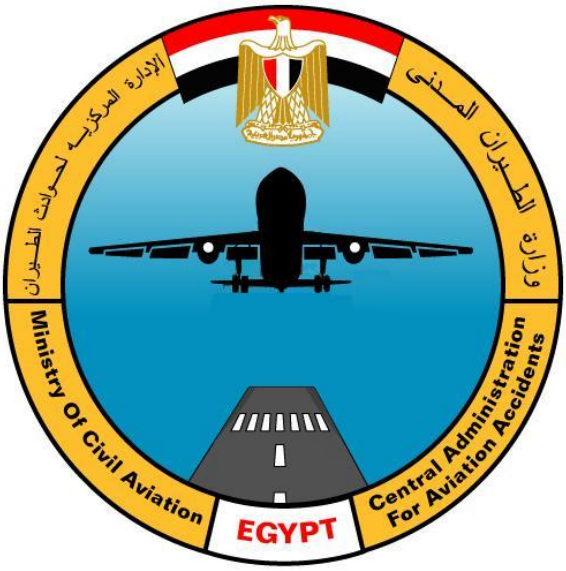
EGYPTIAN MINISTRY OF CIVIL AVIATION



FACTUAL REPORT
OF
INVESTIGATION OF ACCIDENT

Flash Airlines flight 604

January 3, 2004

Boeing 737-300 SU-ZCF

Red Sea off Sharm El-Sheikh, Egypt

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1. Factual Information

1.1. History of Flight

Summary

On January 3, 2004, about 02:45:06 UTC, 04:45:06 Local time, Flash Airlines flight FSH604, a Boeing 737-300, Egyptian registration SU-ZCF, crashed into the Red Sea shortly after takeoff from Sharm el-Sheikh International Airport (SSH) in South Sinai, Egypt. The flight was a passenger charter flight to Charles de Gaulle Airport (CDG), France with a stopover in Cairo international Airport (CAI) for refueling. Flight 604 departed from Sharm el-Sheikh airport with 2 pilots (Captain and First Officer), 1 observer, 4 cabin crew, 6 off-duty crew members and 135 passengers on board. The airplane was destroyed due to impact forces with the Red Sea with no survivals.

The airplane had departed from Sharm el-Sheikh runway 22R and was air born at 02:42:33 UTC, approximately 2½ minutes prior to the crash, and had been cleared for a climbing left turn intercept the 306 radial from the Sharm el-Sheikh VOR station located just north of runway 22R. This climbing turn allows departing flights to gain sufficient altitude before proceeding over higher terrain located along the flight path to Cairo. Flight 604 was operating in Egyptian airspace as a charter flight operating under the provisions of Egyptian Civil Aviation Regulations Part 121

History of Flight

In the following history, comments originally in Arabic are translated in to English and appear in *italics*. A complete transcription of the CVR is contained in Exhibit C, CVR Group Factual Report

- Flash Airlines flight 604 Boeing 737-300 scheduling to depart Sharm El Sheikh at 0230 GMT 0430 local time.
- From Cockpit Voice Recorder information the first officer and observer were in the Cockpit at 02:14:30 the Captain was in the cockpit at 02:18:14.
- Load information and flight information were exchanged between the Flight Deck and Cabin Attendants.
- At 02:18:58 before start check list was requested by the Captain and was read by the F/O and responded by Captain and F/O completed at 02:20:17.
- The Cleared to Start checklist was carried out at 02:32:19, the After Start checklist at 02:35:36, and the Taxi checklist at 02:39:55.
- The ATC clearance was delivered at 02:38:15 and read back by F/O as follows:
  ATC Flash 604 destination Cairo as filed climb initially flight level 140 1673 on the squawk.
  F/O Our clear to destination via flight plan route 140 initially 1673 on the squawk Flash 604 we have total pax135 *God willing.*
- The Take Off checklist was completed at 02:40:05.
- Take off was initiated at 02:41:59 with standard call outs.
- At time 02:42:02 TOGA mode engaged and then disengaged at 02:42:04.
- Aileron movements during T/O roll and lift off were consistent with crosswind.
- At time 02:42:43, as the airplane was climbing through 440 feet the Captain requested Heading Select. The F/O confirmed the command and the FDR records that heading select mode was engaged.
- At time 02:42:48, Captain requested "Level Change"
- At time 02:42:49 the F/O announced "Level Change, MCP speed, N1 armed Sir".
- At time 02:42:59 the F/O announced "one thousand". At the same time, ATC reported the departure time and confirmed left turn clearance. The clearance was acknowledged by the F/O. This was the last ATC transmission from the flight crew. The aircraft rolled to 20˚ left bank and began a climbing turn.
- The turn continued as the magnetic heading approached 140˚ (at an altitude of 3600 ft), at which point the bank angle decreased to approximately 5˚ left bank.
- At time 02:43:19, EgyptAir Flight (MSR 227), a flight from Hurgada inbounds to Sharm el-Sheikh called ATC. Conversations between ATC and MSR 227 continue for approximately 60 seconds.
- At time 02:43:37, the Captain called for the After Takeoff checklist. There was not audible response from the F/O.
- At time 02:43:55, the Captain called "Autopilot". There was no immediate response from the F/O or mode changes recorded on the FDR
- At time 02:43:58, the Captain stated "*Not yet*".

- At time 02:43:59, the FDR recorded the autopilot was engaged, and that the roll mode transition to CWS-R mode. This transition would have resulted in loss of Heading Select Mode
- At time 02:44:00, the F/O stated "Autopilot in command sir".
- At time 02:44:01, the captain stated "EDEELO", (an Arabic exclamation expressing a sharp response of some kind). At the same time, the FDR records momentary aileron surfaces movements. The right aileron deflected to 7.2 degree TEU for one second
- At time 02:44:02, the CVR records the autopilot disconnect warning and the FDR recorded the autopilot disengaged. The aural warning lasted for 2.136 seconds.
- During this time, an increase in pitch and decay in airspeed were observed
- At time 02:44:05, the Captain requested heading select.
- At time 02:44:07, the F/O states "heading select" and the FDR records heading select mode engaging. This mode transition would have resulted in the reappearance of the flight director roll command bar. During this sequence, the aircraft' left-bank continued to decrease at a slow rate until the airplane was briefly wings level.
- Beginning at this time, the FDR records a series of aileron motions that command a right bank and subsequent right turn.
- At time 02:44:18, the captain states "*See what the aircraft did*". At this point the aircraft bank angle was approximately 12° to the right.
- At time 02:44:27, the F/O states "Turning right, sir". Three seconds later, the captain responses "*What*". At the same time, bank angle is 17° to the right and the FDR records the aileron motions to increase the right bank.
- At time 02:44:31, the F/O states "*Aircraft is* turning right". One second later, the captain response "*Ah*"
- At time 02:44:35, the Captain states "Turning right", at this point, the bank angle was 23.6° to the right
- At time 02:44:37, the Captain states – "*how* turning right" , bank angle was 29.7
- At time 02:44:41, the Captain states "OK come out". At this point, the bank angle was slightly more than 40° right bank and the FDR records the ailerons returning to just beyond neutral, the high right roll rate stopped and a momentary left roll rate occurred resulting in a slight decrease in the right bank from 43° to 42° before additional aileron movements command an increase in the right bank.
- At time 02:44:41.5, the F/O states "Overbank". The bank angle at this time was just beyond 50° right bank. The airplane reaches its maximum altitude of just over 5460 feet.
- At time 02:44:41.7, the Captain states "Autopilot". He repeats the statement at 02:44:43.4.
- At time 02:44:44, the F/O states "Autopilot in command". No autopilot engagement was recorded on the FDR. The bank angle was approaching 60° right bank. Pitch angle was zero and altitude was 5390 feet.
- At time 02:44:46, the Captain again states "Autopilot".
- At time 02:44:48, the F/O states "Overbank, Overbank, Overbank". The bank angle was approaching through 70° right bank, pitch angle was 3° nose down

and altitude was 5330 ft. Two seconds later, the Captain responds "OK". The FDR continues to record aileron motions that increase the right bank.

- At time 02:44:52.8, the F/O again states "Overbank". Bank angle was approaching 90°, pitch attitude was 23° nose down, and the altitude was 4860 ft.
- At time 02:44:53.4, the Captain responds "OK, come out". The FDR records aileron motions to increase the right bank.
- At time 02:44:56, the F/O states "*No* autopilot *commander*". Bank angle was 102°, pitch attitude was 37° nose down, and the altitude was 4100 ft.
- At time 02:44:58, the captain states "Autopilot". At the same time, the FDR records a large aileron motion to the left and the airplane begins rolling back towards wings level. The maximum bank angle recorded was 111° right. Pitch attitude at that time was 43° nose down and altitude was 3470 feet.
- At time 02:44:58.8, the observer states "Retard power, retard power, retard power".
- At time 02:45.01.5, the captain states "Retard power", and the FDR records both engine throttles being moved to idle. The bank angle was 51° right bank, pitch attitude was 40° nose down and altitude was 2470 ft.
- At time 02:45:02, the CVR records the sound of the overspeed warning. The FDR records the airspeed as 360 KIAS.
- Recovery from severe Right Bank and nose down pitch continued
- At time 02:45:04.3, the captain states "Come out". Bank angle was 14° right, pitch attitude was 31° nose down, altitude was 760 ft, and airspeed was 407 KIAS.
  At time 02:45:05, the CVR records a sound similar to ground proximity warning.

- A/C impacted the water at 02:45:06 with:

Bank Angle	24.6˚ to the right
Pitch Angle	24˚ Nose down
Vert. G. Load	3.9
Speed	416 Kts

Correlated FDR- CVR Data:

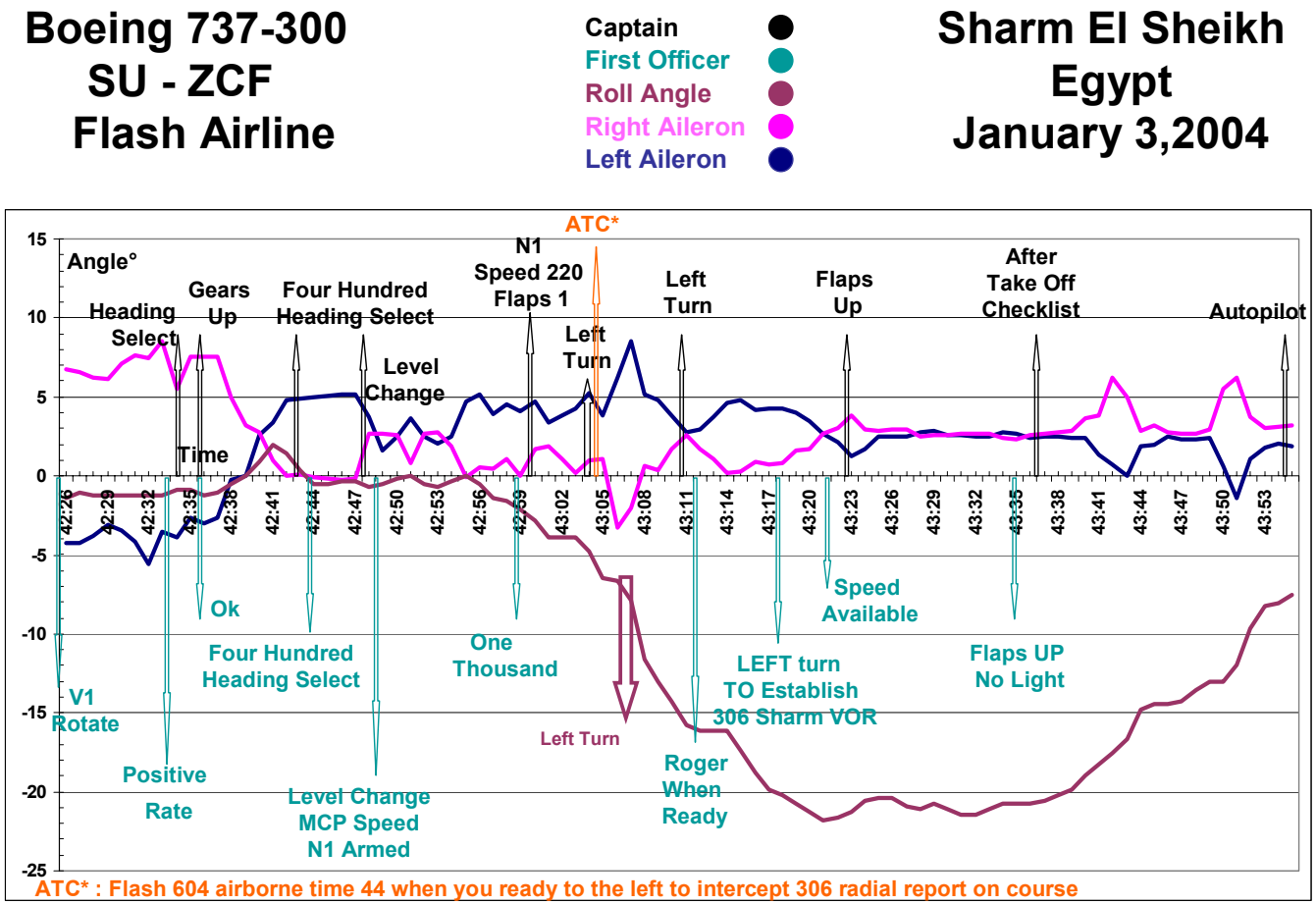
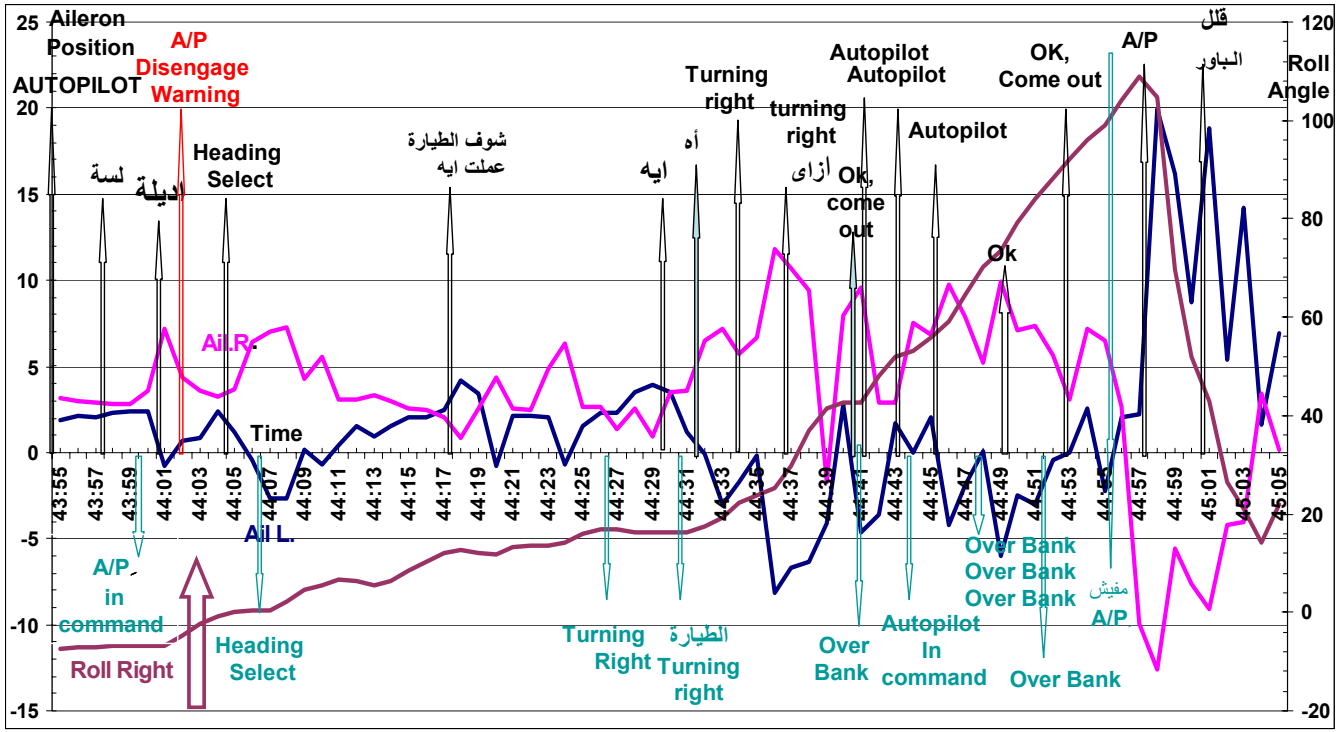


Figure 1.1-1 Correlated FDR- CVR Data

Correlated FDR- CVR Data:


Boeing 737-300
SU - ZCF
Flash Airline
Captain
First Officer
Roll Angle
Right Aileron
Left Aileron
Sharm El Sheikh
Egypt
January 3,2004
Aileron Position
AUTOPILOT
A/P Disengage Warning
Heading Select
Ail.R.
Time
Ail L.
A/P in command
Roll Right
Heading Select
Turning Right
Turning right
Over Bank
Autopilot In command
Over Bank
Over Bank
Over Bank
Over Bank
A/P
Roll Angle
Turning right
turning right
Autopilot
Autopilot
Ok, come out
Ok
OK, Come out
A/P
Ok, come out
Ok
Ok
Ok

1.2. Injuries to Persons

There were no survivors.

Injuries	Flight Crew	Cabin Crew	Passengers	Off-Duty Crew	Total
Fatal	3	4	135	6	148
Serious	0	0	0	0	0
Minor	0	0	0	0	0
None	0	0	0	0	0
Total	3	4	135	6	148

Table 1: Injury chart.

1.3. Damage to Airplane

The airplane was destroyed by impact with the water.

1.4. Other Damage

There was no other damage. Most of the wreckage remains on the floor of the Red Sea at a depth of approximately 1000 meters.

1.5. Personnel Information

Both the Captain and the First Officer were certified under Egyptian Civil Aviation Authority (ECAA).

1.5.1 The Captain

Date of birth: February 26, 1950
Date of hire with Flash Airlines: February 16, 2003
Airline Transport Pilot Egyptian Certificate Number 561(issued December 15, 1984)
Airplane Multi-Engine Land
Airplane Single Engine Land/Commercial Pilot
Limitations: None
Type Ratings: ATR-42, B-737/300/400/500 (issued May 27, 2003), DHC-5 Buffalo, C-130 and Gomhoria
Medical: First Class (issued November 19, 2003)
Limitations: None

Initial Ground School Training:	Written Test April 9, 2003
	Oral Test May 22, 2003
Initial Simulator Training	B-737-300/400/500:
	April 28 - May 12, 2003
Initial Proficiency Check	B-737-300/400/500: May 12, 2003
Last Proficiency Check	B-737-300/400/500: May 12, 2003
Last Line Check:	July 23, 2003
Last Recurrent Training:	December 16, 2003

FLIGHT TIMES:

Total flight time (hrs/min)[1]:	7,443:45
Total flight time on B-737:	474:15
Total flight time PIC:	5,473:35
Military Instructor Flight time:	1,967:55
Total flight time last 24 hours[2]:	7:15
Total flying time last 30 days:	83:51
Total flying Time 90 days:	244:43

[1] Times are calculated for the captain up until December 31, 2003.

[2] Times do not include the accident flight.

1.5.2 The First Officer

Date of birth: January 1, 1979
Date of hire with Flash Airlines: May 22, 2002

Egyptian Commercial Pilot License Number 3284 (issued April 12, 1997)
TYPE RATINGS: CESSNA (ISSUED April, 12, 1997) I
B737-200 (ISSUED July, 22, 1998) II
B737-300/400/500 (ISSUED July, 18, 2002) II
Commercial Pilot License issued by the Federal Aviation Administration (FAA) Certificate Number 2546582 (issued July 31, 1996)
Airplane Multi-Engine Land Instrument Airplane
Private Privileges
Airplane Single Engine Land
Limitations: None
Medical: First Class last check (May 5, 2003)
Limitations: None, valid till May 4, 2004

Initial Ground School Training:	Written Test June 10, 2002 Oral Test May 22, 2002
Initial Simulator Training	B-737-300/400/500: June 22–June 30, 2002
Initial Proficiency Check	B-737-300/400/500: June 30, 2002
Line Check:	July 11, 2002
Last Proficiency Check:	May 15, 2003
Last Recurrent Training:	December 12, 2003

FLIGHT TIMES:

Total flight time (hrs/min)[3]:	788:53
Total flight time B-737:	242:28
Total flying time last 24 hours[4]:	7:15
Total flying time last 30 days:	43:45
Total flying Time 90 days:	61:10

1.5.3 The Observer

The Observer Mahmoud Hanafy was completing his training as a first officer for Flash Airlines. Airline training procedures require a certain amount of observation time prior to serving as an active crew member. The observer was assigned to this flight to observe as a part of that training requirement.

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[3] Times are calculated for the first officer up until December 31, 2003.

[4] Times do not include the accident flight.

1.5.4 Maintenance Engineer

Engineer Mostafa Erfan graduated from the National Civil Aviation Training Institute on September a6th 1972. He worked as a mechanic for the Kuwait Airways for twenty years during which he received the following training courses:

1- B 747-269B Mechanics Familiarization during the period from Feb 17th 1979 to March 3rd 1979. (Kuwait Airways).
2- Airbus Mechanics Familiarization Course during the period from October 6th to October 18th 1984 (Kuwait Airways).
3- B767 Mechanics Familiarization A& C Course during the period between February 7th to February 19th, 1987 (Kuwait Airways).

In 1991 he attended the Cessna 188 course at DEVCO training center, and then he got his Egyptian license without type rating (LWTR) No 1525 on August 1st 1992 which is valid until July 27th, 2004.

He joined Flash Airlines two years ago; during these two years he had the following training and exams:

1- B737-300 type course at EgyptAir approved training center during the period from December 22nd, 2002 to February 27th, 2003.
2- Basic Indoctrination Course during the period from 13-14 June 2003.
3- An On Job Training for 9 months on Flash Airlines B737-300 fleet.
4- An approval authorization exam for the engine on November 2nd, 2003 and for the airframe November 3rd, 2003.

His approval No: 014 Valid until: July 26th, 2004 Issued on: Nov 28th, 2003
LWTR No: 1525 Valid until: July 27th, 2004 issued on: August 1st, 1992

1.6 Airplane Information

1.6.1 Airplane History

The accident airplane was a Boeing model 737-3Q8 airplane, serial number 26283, and was equipped with two CFM56-3 engines. The airplane was delivered on 22 October 1992 to an aircraft lessor. Since that time, it had been leased to several different operators and had carried US, UK, and Egyptian registration marks. The airplane had been operated by Flash Airlines since June 2001. At the time of the accident, the airplane carried Egyptian registration marks SU-ZCF and had accumulated 25603 flight hours and 17976 cycles.

Aircraft Type	: B737-3Q8
Minimum Crew	: 2 (Pilot and Copilot)
Registration Marks	: SU-ZCF
Serial Number	: 26283
Manufacture Date	: October 1992
Line Number	: 2383
Variable No	: PQ294
Interior Configuration	: Total 148 Economy Class
ECAA Minimum Number of Flight Attendant	: 3

1.6.2 Cockpit Instrumentation

The airplane was equipped with an electronic flight instrument system (EFIS) which provides displays for most of the airplane's navigational systems. The major displays provided by the EFIS are: color displays of pitch and roll; navigational maps; weather; radio altitude and decision height; and autopilot and flight path information. The EFIS also provides displays of: airspeed; ADF/VOR bearings; ILS data; and stall warning information. There are two separate display screens for each pilot, the electronic attitude direction indicator (EADI) and the electronic horizontal situation indicator (EHSI). The EADI is mounted just above the EHSI in front of each pilot. In addition to the EADI and EHSI, each pilot's panel includes an airspeed indicator, a radio digital distance magnetic indicator (RDDMI) which displays directions and distance to radio navigation aids, an altimeter, a vertical speed indicator (VSI), and a clock. See Figure 1.6.2-1 for a simulated view of the captain's panel showing these instruments.

Figure 1.6.2-1 Example Captain's Instrument Display

1.6.2.1 Electronic Attitude Direction Indicator (EADI)

The Electronic Attitude Director Indicator (EADI) provides a multicolor display of airplane attitude, airspeed, flight director commands and various other data. The primary display is an artificial horizon which depicts the pitch and roll of the airplane. The artificial horizon line which separates the upper blue portion of the display from the lower brown portion moves up and down as the airplane pitches and tilts. The display is designed such that the artificial horizon line that appears on the display is always parallel with the real horizon. Pitch and roll data for the captain's and first officer's EADI are supplied by separate left and right inertial reference units. In independent standby attitude indicator is installed on the captain's panel inboard of the EADI. In addition to attitude information, the EADI displays a moving airspeed scale along the left side and ground speed in the lower left corner. The upper portion of the EADI is called Flight Mode Annunciator (FMA). This area is used to display the current operating modes of the autoflight system to the crew. The FMA is separated into four separate areas in which are displayed (from left to right), the autothrottle mode, pitch mode, roll mode, and autopilot mode. See section 1.6.4 for further information about the autopilot and flight director.

An example EADI screen is shown in Figure 1.6.2.1-1.

Figure 1.6.2-2 Example EADI Display – In this example, the airplane is pitch is 7.5 degrees above the horizon and the roll angle is 20 degrees to the left, airspeed is 220 knots, ground speed is 238 knots, the autopilot mode is "N1", the pitch mode is "MCP Speed", the roll mode is "heading select", and the autopilot mode is "Flight Director"

1.6.2.2 Electronic Horizontal Situation Indicator (EHSI)

The EHSI provides horizontal navigation information to the flight crew. There are a number of display formats available which can be separately selected by the flight crew. On the accident flight, both the captain and first officer were using the expanded VOR display which is described below

Figure 1.6.2-3 Example EHSI Display – Expanded VOR Mode – Flag notes denote various options

1.6.3 Lateral Flight Control System

Lateral control is provided by an aileron and two flight spoilers on each wing which are controlled by either control wheel in the flight deck. A pair of cables transfers motion of the control wheels to motion of an aft quadrant located near the main landing gear wheel well.

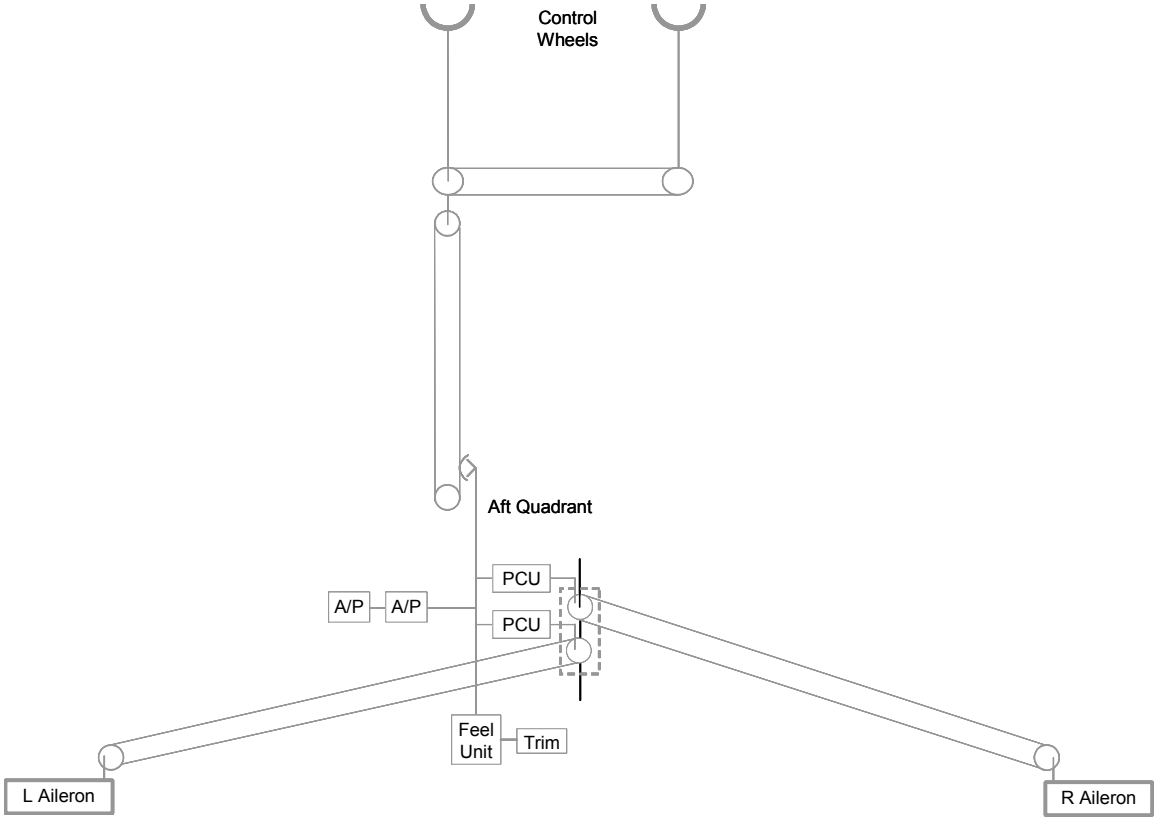

Figure 1.6.3-1 Simplified Lateral Control System Schematic – Additional cable runs, jam protection features, and spoilers not shown

The aft quadrant is connected to the control valves of two independent hydraulic power control units. Either unit alone is capable of providing full-range lateral control. Artificial feel and wheel centering for lateral control is provided by the feel unit which consists of a centering cam, roller, and spring. Aileron trim is accomplished with aileron trim switches on the aft end of the pilots' control stand. The trim switches command an electro-mechanical linear actuator which repositions the feel and centering mechanism.

Two flight spoilers on each wing operate in conjunction with the ailerons through a spoiler mixer mechanism connected to the aft quadrant.

Two autopilot actuators are connected to the aft quadrant. Either or both of the autopilot actuators can move the aft quadrant, resulting in movement of both the control wheels and the ailerons. One feature of the lateral control system is that the position of the ailerons always corresponds to the position of the wheel. Even if aileron trim or the autopilots are in use, the relationship between the position of the control wheels and the position of the aileron is unchanged.

1.6.4 Autoflight System

The digital flight control system consists of a centrally located mode control panel (MCP), two independent flight control computers (FCCs), two aileron autopilot servo actuators, and two elevator autopilot servo actuators. Together, these components provide the functions of the autopilot and flight director. The MCP, located above the pilot's front panels and below the windows, provides a centralized location for all autopilot, flight director and autothrottle control selections. The FCCs receive flight crew requests and airplane sensor inputs which are used to generate flight director displays and, if the autopilot is engaged, command flight control surfaces.

1.6.4.1 Autopilot System

Each of the two FCCs provides an independent autopilot and are designated A and B. Each FCC is connected to one aileron and one elevator servo actuator. The autopilot is engaged by selecting the appropriate push button on the MCP. If certain required conditions are met, the selected autopilot will synchronize the roll channel autopilot servo to the current position of the ailerons. Following synchronization, the autopilot servo will clamp onto the aft quadrant and begin moving the ailerons (and control wheel) in response to the flight path selected by the crew. A similar process occurs in the pitch channel.
During cruise, only a single autopilot is used. If the second autopilot is selected, the first autopilot is disengaged when the second autopilot engages. During approach, both autopilots may be used together for two channel operation.

Engage Switches:

The pushbuttons are normally-open, momentary contact switches which control an engage relay by means of electronic circuitry. Either channel can be engaged in CWS or CMD by pressing the appropriate switch. A light illuminates on the switch to indicate that the autopilot has been engaged, and each switch may be disengaged by pressing the switch again. Loss of power (28v) or ground to the relay will cause it to de-energize and the pushbutton switch light will go out. If CWS or CMD is pressed while either power or ground for the relay is not provided, the relay will not energize and the pushbutton light will not illuminate.

Autopilot Actuators: (Figure 1.6.3-1)

A- Four autopilot actuators are installed, two in the main wheel well area for the aileron axis and two in the aft fuselage for the elevator axis. One set, aileron and elevator, is controlled by the A autopilot system and the other set by the B autopilot system. The units are mechanically linked to aileron and elevator power control units (PCU's) which drive the flight control surface

B- A pressure switch is installed on each actuator. The switch closes when normal hydraulic pressure is applied to the PCU. The engage interlock voltage is wired through the switches.

C- Autopilot system electrical signals operate valves which modulate hydraulic pressure to displace a hydraulic piston and provide a rotary output to the respective PCU. Control and position signals are provided by the following components which re installed on each actuator: engage solenoids, transfer valve, linear variable displacement transducer (LVDT), and pressure regulator.

1- Engage Solenoids

Two engage solenoids are on each autopilot module. Each solenoid is an electrically operated valve (28 volts dc) which, when energized, applies hydraulic pressure within the module. The ACTUATOR solenoid provides hydraulic pressure to the TRANSFER VALVE and to the DETENT SOLENOID. The detent solenoid provides hydraulic pressure to the detent mechanism. Both solenoids are energized at A/P engagement. However, the detent solenoid is delayed slightly from the ACTUATOR solenoid. The solenoids are attached to the module with four bolts. Electrical pins mate with wiring within the module when the units are installed. Hydraulic pressure is powered into the units through ports which align when the solenoids are installed.

2- Linear variable displacement transducer (LVDT)

The linear variable displacement transducer provides positional information for the actuator piston and provides an ac output signal in proportion to piston position.

3- Pressure regulator

The pressure regulator is in line with the hydraulic passages between the detent solenoid and the detent piston (which locks the actuator piston to the output crank). The regulator bypasses hydraulic fluid to limit the output force (autopilot authority) of the actuator when the unit is backdriven or stalled

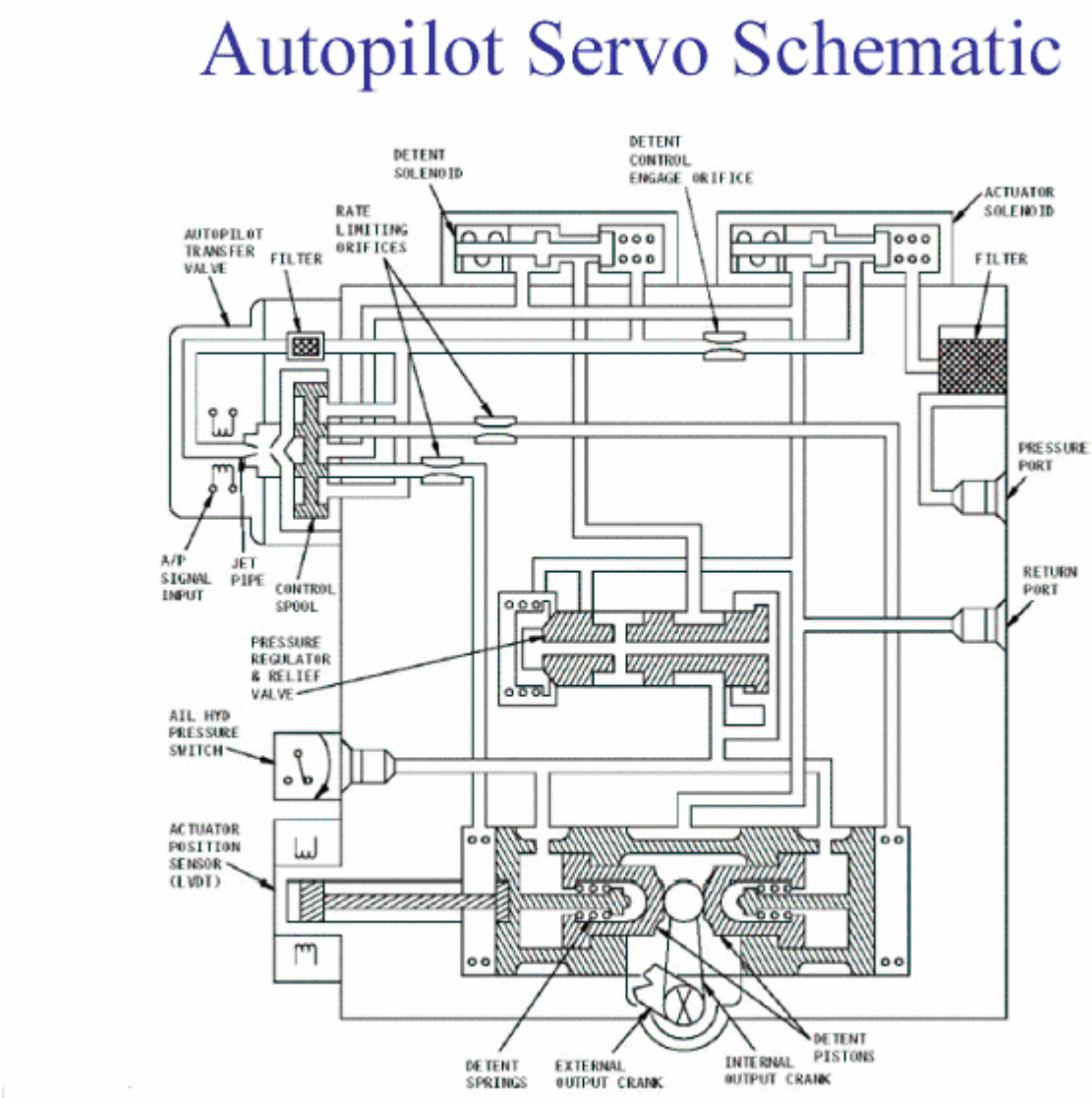

Figure 1.6.4-1 Autopilot Actuator

1.6.4.2 DFCS Modes

Various pitch and roll modes are available and can be manually selected by the flight crew via the MCP. In some cases, automatic mode changes can occur in response to invalid sensor inputs, certain flight conditions, or selection of other compatible modes. During the accident flight, the following modes were used:

Take-Off

Flight director guidance during takeoff is initiated by pressing the take-off/go-around (TOGA) switches located on the throttles. In addition to selecting flight director TOGA mode, these switches also signal the autothrottle to advance the throttles to takeoff power. In TOGA mode, the flight director provides pitch and roll guidance to the crew. If TOGA is engaged, no other modes may be selected until an altitude of 400 ft AGL.

Level Change

Level Change is an autopilot and flight director pitch mode during climb or descent. In this mode, a fixed thrust level is selected and the autopilot will control the angle of climb or descent to hold the airplane's speed to the value selected in the speed window on the MCP. If the airplane is flying faster than the selected speed, the autopilot will command the airplane to pitch nose up to a steeper climb angle, thus lowering the speed. If the airplane's speed is slower that the selected speed, the autopilot will command the airplane to pitch nose down to a shallower climb angle, which will result in a speed increase. When Level Change mode is selected, "MCP SPD" appears in the pitch section of the flight mode annunciator (FMA) on the EADI. As the airplane nears the selected altitude, the autopilot will automatically transition to altitude acquire (“ALT ACQ” on the MCP) and then altitude hold (“ALT HOLD”). Level Change is available for both autopilot and flight director operation.

Heading Select

Heading select is an autopilot and flight director roll mode used to turn to and hold a specific heading. The MCP contains a selected heading window, as well as a bank angle limit selector. The window displays the selected heading, a number from 0 to 359, corresponding to the magnetic heading selected by the crew. The value can be changed by rotating the heading selector knob located immediately below the window. A bank angle limit selector is concentrically located on the same shaft. In Heading Select, the crew can select the bank angle of autopilot turns from 10° to 30° by 5° increments. When heading select mode is engaged, the autopilot will command a turn towards the selected heading. The airplane will bank to the selected bank angle limit and will remain at that limit until the current heading begins to approach the selected heading. As the turn nears completion, the bank angle is reduced until the airplane is flying wings level on the selected heading. The direction of turn is determined to be the shortest turn between the current heading and the selected heading. If the airplane is already in a turn and the selected heading is changed to pass through the reciprocal bearing (greater than 180°), the direction of turn will reverse and the autopilot will seek the shortest turn to reach the selected heading. Heading select is active when "HDG SEL" appears in the roll section of the FMA and is available during both flight director and autopilot operation.

Control Wheel Steering - Roll

Control wheel steering roll (CWS R) is a separate autopilot roll mode designed to reduce crew workload. CWS R mode may be manually selected via the CWS pushbutton on the MCP. In this case, flight director modes may be selected via the mode selection push buttons on the MCP. If certain conditions required for other roll modes are not met or if a certain amount of force is applied to the control wheel, the autopilot mode will automatically change from CMD to CWS R.
In CWS R, the autopilot commands the aileron servo to follow the motions of the control wheel. If the pilot releases the control wheel, the autopilot provides aileron commands to hold the current bank angle and thereby continue the commanded turn. However, if the bank angle when the wheel is released exceeds 30°, the autopilot will command a roll back to a bank angle of 30°. If the bank angle when the wheel is released is less than 6°, the autopilot will command wings level and maintain the current heading. CWS R is active when "CWS R" appears in the autopilot section of the FMA. When the autopilot enters CWS R mode, the roll section of the FMA will be blank and the flight director roll command bar disappears. However, other roll flight director modes may subsequently be engaged.

MCP Speed

MCP speed is a pitch mode of the autopilot that is used when climbing or descending. In this mode, a fixed thrust level is selected and the autopilot will control the angle of climb or descent in order to hold the airplane's speed to the value selected in the speed window on the MCP. If the airplane is flying faster than the selected speed, the autopilot will command the airplane to pitch nose up to a steeper climb angle, thus lowering the speed. If the airplane's speed is slower that the selected speed, the autopilot will command the airplane to pitch nose down to a shallower climb angle, which will result in a speed increase. MCP speed mode is active when "MCP SPD" appears in the pitch section of the flight mode annunciator (FMA) on the EADI.

1.6.4.3 Flight Director

The flight director is provided as an aid to the crew during manual flight and as a way for the crew to monitor the operation of the autopilot. The flight director consists of pitch and roll command bars which appears as horizontal and vertical magenta lines on the EADI respectively. When the airplane is following the flight path selected on the MCP, the flight director bars will be centered on the EADI display. If the airplane is flying below the selected path, the horizontal pitch bar will begin to rise on the display, indicating that a nose up command is required to regain the path. As the airplane regains the selected path, the command bar returns to the centered position. Similarly, if the airplane is following the selected roll path, then the vertical roll command bar will be centered. If the airplane deviates to the right of the selected path, the roll command bar will deviate to the left indicating that a bank to the left is required. It should be noted that the flight director roll command bar indicates the additional bank that is required to fly the selected path. For example, with the bank angle limit set to 20 degrees, if the airplane is in a 20 degree right bank as part of a 90 degree right turn, the flight director bar will be centered on the display because the airplane is on the desired path (in this case a 20 degree bank turn). As the turn continues and the airplane approaches the selected heading, the flight director bar will begin to move to the left indicating that the airplane should begin rolling left, out of the turn, and back towards wings level.

1.6.5 Engines:

General:

The airplane is powered by two CFM56-3C1 engines (Serial numbers are: “engine #1” 857 352, “engine #2” 856 481. The engine is a dual rotor axial flow turbofan. The N1 rotor consists of a fan, a three stage booster section connected by a through shaft to a four stage low pressure turbine. The N2 rotor consists of a high pressure compressor and a high pressure turbine. The N1 and N2 rotors are mechanically independent.

The main engine control (MEC) schedules fuel to provide the thrust called for by the forward lever setting. The fuel flow is further refined electronically by the power management control. Thrust is set by positioning the thrust levers. The thrust levers are positioned automatically by the autothrottle system or manually by the flight crew. The forward thrust levers control forward from forward idle to maximum. The reverse thrust control thrust from reverse idle to maximum reverse
Engine indications are displayed on the center instrument panel by the Engine indication System (EIS). N1, EGT, N2, and FF/FU are the primary indications and are displayed as both digital readouts and round dial/ moving pointer indications. N1, EGT, N2 have operating and caution ranges and limits indicated by green and yellow bands and red dials. Oil Pressure and oil temperature indications are displayed with a round dial/moving pointer. Operating and caution ranges and limits are displayed with green and yellow bands and red dials. The oil quantity indicator displays a digital readout of quantity as a percentage of full

The low pressure spool (fan) rotating speed (N1) of the left engine (position 1) does not appear representative of the high pressure spool (core) rotating speed and fuel flow on the DFDR read out; however, the indicated core speed is working as well as the other parameters, which indicate most probably a data recording or read out problem for N1. (refer to Exhibit B FDR Group Factual Report)

1.6.6 Airplane Maintenance[5]

1.6.6.1 Maintenance Records

1.6.6.1.1 Maintenance Program Summary- Flash Airlines B737-300

Flash Airlines has developed their customized Maintenance Program. The Maintenance Program last revision was issued on January 20, 2003 and approved by the (ECASSA), Airworthiness Central Administration under approval No MOCA/FLASH/737-300/MP/R2/03. This Maintenance Program incorporated guidance from Boeing Maintenance Planning Document (MPD) Revision July 2002.

The Periodic Service Check is accomplished on layover. The check is performed as a walk-around, visual inspection and servicing when necessary.

The Routine Inspection is performed every 250 flight-hours (A Checks). A Routine Inspection Procedures Index is used to assure the check is completed. The Inspection consists of a visual inspection of the aircraft's major components, servicing, operational and functional checks.

1.6.6.1.2 Last Heavy Check

The last "A" check accomplished by Flash Airlines and the last "C" check and Structural inspection carried by Braathens Engineering and Maintenance for the SU-ZCF were as follows:

"8A" Check	:	December 12, 2003	at 25423:50 Flight Hours
"7C" Check	:	From Nov 3 - Dec 21, 2002	at 23531 Flight Hours
Last SI Check	:	From Nov 3 - Dec 21, 2002	at 23531 Flight Hours
Last 15 M Check:		From Nov 3 - Dec 21, 2002	
Last 45 M Check:		From Nov 3 - Dec 21, 2002	

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1.6.6.1.3 Repairs and Alterations

[5] See the Maintenance Records Group Report for full details

1.6.6.1.4 Aircraft Total Hours and Cycles

Total Hours at Time of Accident: 25603 Flight Hours
Total Cycles at Time of Accident: 17976 Flight Cycles

1.6.6.1.5 Weights and Balance Summary

According to the Egyptian Civil Aviation Regulations, ECAR 91 Appendix H attachment 1 the aircraft has to be reweighed every three years. Furthermore, aircraft must be reweighed if the effect of modifications on the mass and balance is not accurately known. Flash Airlines aircraft was weighed last time on December 19, 2002 in Braathens SAFE, Stavangar, Norway and recalculated by Flash Airlines after the reinforced cockpit door modification installation on November 1st, 2003, and the results were as follows.

Empty Weight	:	70794 lbs
Moment	:	45921358.6 lb.in
% AMC	:	17.42%

1.6.6.1.6 Engines: CFM56-3C-1

Engines are maintained in accordance with Flash Airlines Maintenance program and are based on the life cycle limits of the rotating components. CFMI Engine maintenance manual together with the applicable Service Bulletins and engine teardown data determine these limits. Overhauls are performed at the SNECMA MOROCCO Workshop or other authorized Certified Repair Station.

	Engine Position 1 (Left Side)	Engine Position 2 (Right Side)
Serial Number (ESN)	857352	856481
Time Since New (TSN)	25314 hours	26045 hours
Cycles Since New (CSN)	17815 Cycles	17523 Cycles
Date of Installation on SU-ZCF	August 1998	Jan 3, 2003
Time Since Last O/H	8741 Hours	1828 Hours
Cycles Since Last O/H	6188 Cycles	909 Cycles

Engine Disks and First Limiters Status as per attached (refer to exhibit A, Maintenance Records Group Factual Report- attachment 02)

1.6.6.1.7 Engine Monitoring System

Flash Airlines engines are monitored as per the manufacturer (CFMI) engine condition monitoring program (Sage Trend Analysis program). Sage is a set of programs which collectively provide the functionality to perform standard condition

monitoring of CFMI engines. Sage is designed to work in an interactive environment with the major analytical calculations performed at scheduled times throughout the day.

By reviewing the engine condition monitoring trend reports for both engines, they showed no deviation or important shift, the EGT margin is considerable ok. Engine Condition Monitoring cruise trend sheet is attached (refer to exhibit A, Maintenance Records Group Factual Report- attachment 14)

1.6.6.1.8 Flight Data Recorder/ Cockpit Voice Recorder.

Description	P/N	S/N	Test Date	Workshop
Sundstrand FDR Transport Avionic	980-4120-DXUN	10069 O/H	18/11/02	Air
CVR Braathens	93A100-80	57994	Tested 12/11/02	

1.6.6.1.9 Aircraft Status

1.6.6.1.9.1 Minimum Equipment List (MEL)

Flash Airlines Customized Minimum Equipment List CMEL was approved by the ECAA on Feb 23rd, 2002.

1.6.6.1.9.2 Aircraft Condition Report (A/C deferred defects)

No deferred items were recorded in the aircraft deferred snags log Book

1.6.6.1.9.3 Type Certificate Data Sheet

FAA "Type Certificate Data Sheet" number A16WE (revision 28, dated October 29, 1999) for B737-300 series airplanes was reviewed for compliance conditions and limitations. No discrepancies were noted. Type certificate Data Sheet attached (refer to exhibit A, Maintenance Records Group Factual Report- attachment 15).

1.6.6.1.9.4 Supplemental Type Certificates

Supplemental Type Certificates supplied by Flash Airlines were reviewed. One Supplemental Type Certificate was issued to install a Matsushita Audio Entertainment System in accordance with General Aerospace Engineering Order No GA-23-1042. STC attached (refer to exhibit A, Maintenance Records Group Factual Report- attachment 16).

1.6.6.1.9.5 Airworthiness Directives (AD) Summary and Service Bulletins (SB) Summary

The Airworthiness Directives compliance status list dated January 12th, 2004 (attachment 03) submitted by Flash Airlines was reviewed with special concentration on AD's carried out after the aircraft was leased by Flash Airlines.

The previous AD's Status which was forward to Flash Airlines during the aircraft delivery was reviewed with special attention to those AD's which had an open or repetitive status.

All listed Airworthiness Directives and Service Bulletins have been complied with no discrepancies noted.

Service Bulletins compliance status attached ((refer to exhibit A, Maintenance Records Group Factual Report- attachment 17).

1.6.6.1.9.6 Prior Discrepancies/Accidents Involving SU-ZCF

Per Flash Airlines records, no previous accidents were reported for the accident aircraft.

1.6.6.1.9.7 Logbook Forms

- The original aircraft Technical Log Book sheets were reviewed for the last three months from September 27, 2003 through December 2003 for discrepancies, no trends or discrepancies noted.

- Copy of the technical log book sheets listing as well as a list of technical log book entries and relevant corrective actions are attached to "Exhibit A Maintenance Records Group Factual Report"

1.6.6.2 Contracted Repair Station Listing

- EgyptAir Maintenance and Engineering
- Braathens Maintenance and Engineering
- Snecma Morocco Engine Services.

1.6.6.3 Maintenance Performed on the A/C before the accident flight.

A. Maintenance done by Flash Airlines Tech Staff at Cairo Base

The Last Check carried out on the accident aircraft was an 8A check. The check was performed by Flash Airlines Technical staff at Cairo base station. The check work package included visual inspection, servicing, and operational checks. A routine borescope inspection for the HPT nozzles guides vanes and the combustion chamber was performed on both engines by EgyptAir with no findings. The work package was reviewed with no discrepancies.

B. Transient Check carried out for the Flight VCE/SSH

A transient check was carried out in VCE by engineer Motaz Awad on January 2nd, 2004 a copy of the interview with him is attached

C. Last PDC carried out for the Accident Flight

On January 3rd, 2003, aircraft SU-ZCF, a daily check was performed in accordance with the approved checklist as per the company maintenance schedule at SSH station just before the flight. The check was carried out by the accident flight on board engineer.

D. Aircraft refueling before the Accident Flight and investigations done after the accident.

The Refueling was done for the accident aircraft on January 3rd, 2004 between 03:50 and 04:00 local time (UTC +2) for the quantity of 3500Liters by truck no 4432 belonging to Misr Petroleum Company (service invoice is attached) (refer to exhibit A, Maintenance Records Group Factual Report- attachment10)

The same truck had refueled the following airplanes on the same date:

- EgyptAir aircraft A320 SU-GBF at 02:05 LT before the accident aircraft.
- Taroum aircraft YR-GGX at 04:20 LT after the accident aircraft.
- EgyptAir aircraft SU-GCD at 05:10 LT after the accident aircraft.

After the aircraft accident, three fuel samples had been drawn from the Misr Petroleum fuel truck on January 3rd, 2004 at 12:45 local time. One of them was used for a dehydrated Copper Sulfate capsule field inspection for fuel water content, which was satisfactory (attachment 11). The two others samples were sent to the following laboratories for analysis:

- The Egyptian Petroleum Research Institute Nasr City, Cairo (refer to exhibit A, Maintenance Records Group Factual Report- attachment 12)
- Misr Petroleum Company, Ghamra Research Center Laboratory (refer to exhibit A, Maintenance Records Group Factual Report- attachment 13)

The Egyptian Petroleum Research Institute (EPRI) performed the Jet (A-1) fuel analysis, ASTM distillation and ASTM D-86. The results of these analyses show that all the values are within limits except for the water content, ppm, which is 48, and the max is 30.

The Misr Petroleum Co, Ghamra Research Center Laboratory performed the same analyses done by (EPRI), all the results comply with the requirements of DES-STAN 91-91 issue 4 (DERD 2494) and the joint fueling systems "Checklist" specifications for JET A-1 issue 19 Sept, 2002.

1.6.7 Weight and Balance:[6]

The Flash Airlines weight and balance calculations provided to the flight crew contained the following information[7]:

	Weight (kilograms)	
Total Traffic Load	11,450[8]	
Dry Operating Mass	33,200	
Actual Zero Fuel Mass	44,650	
Maximum Zero Fuel Mass	47,627	
Takeoff Fuel	7,000	
Actual Takeoff Mass	51,650	
Maximum Takeoff Mass (Certificate Limi	63,276	
Landing Mass	49,650	
Maximum Landing Mass (Certificate Lim	51,709	

Zero Fuel Mass Center of Gravity (CG)	20.0%	
Zero Fuel Mass CG Limits[9]	8.0% Forward	28.4% Aft
Takeoff Mass CG	18.0%	
Takeoff Mass CG Limits[10]	6.7% Forward	27.9% Aft

Stabilizer Trim settings for takeoff were:

Flaps 1 or 5 4 ¾ Units
Flaps 15 3 ¾ Units

According to the Flash Airlines Flight Operations Manual Chapter 6, Paragraph

6.1.8.3, Passenger and Baggage Masses, the following chart was published:

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[6] See attached Performance Factual Report

[7] See attached Flash Airlines Load and Trim Sheet.

[8] A review of the Load and Trim Sheet indicated a low 100-kilogram error. The total cargo weight plus passenger mass (Total Traffic Load) should be 11,550 kilograms. Correspondingly, the Zero Fuel Mass, Takeoff Mass, and Landing Mass will be low in error by the same 100-kilogram Mass.

[9] Estimated Zero Fuel Mass CG limits were derived from Flash Airlines Load and Trim sheet index chart based upon a Zero Fuel Mass of 44,650 kilograms.

[10] Estimated Takeoff Mass CG limits were derived from Flash Airlines Load and Trim sheet index chart based upon a Takeoff Mass of 51,650 kilograms.

	Male	Female
All flights except	88kg	70kg
Holiday	83kg	69kg
Children	35kg	35kg

A review of the accident Load and Trim Sheet indicated a Passenger Mass of 9,450kg. If 350kg is removed for 10 children (10 x 35kg) the result is 9,100kg. Dividing the 125 adult passengers into the 9,100kg would give an average value of 72.8kg per adult passenger.

Using the table above, and assuming 50% Male and 50% Female adult passengers, the worst-case difference in weight calculation would be the following:

The average weight of male and female for all flights except would be 88kg + 70kg / 2 = 79kg per adult passenger.

79kg x 125 passengers = 9,875kg

The represents an increase in weight of 775kg.

Using this value for Load and Trim calculations provided the following information:

Takeoff CG 18.2%MAC
Zero Fuel Mass CG 20% MAC
Takeoff Trim (flaps 5) 4 ¾ Units

These worst-case differences in values for passenger weight still fall within structural and calculated limitations for the airplane.

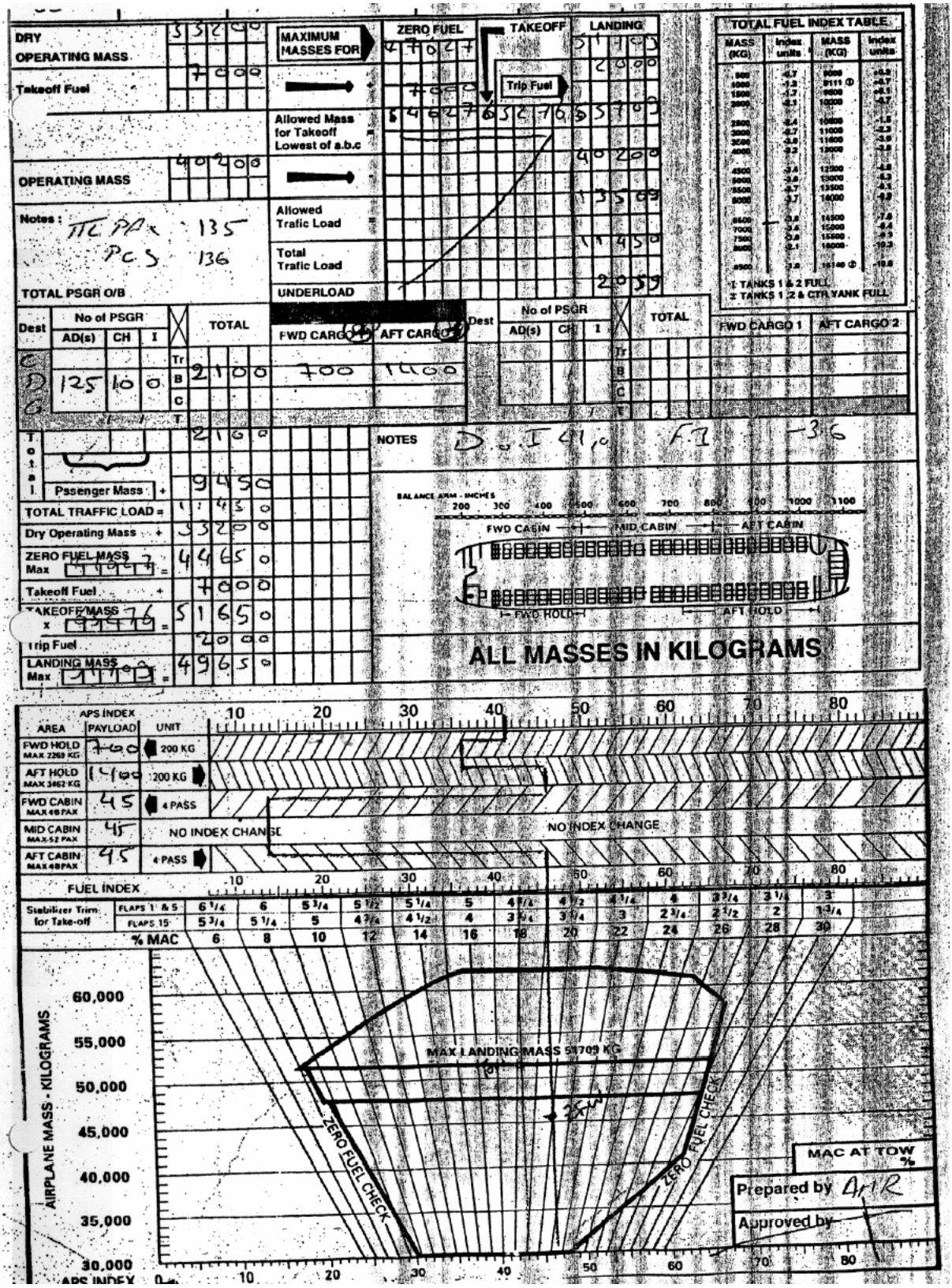

Fig 1.6.5-1 Copy of the Accident Flight Load Sheet

1.7 **Meteorological Information:** [11]

Sharm El Sheikh does not provide Automatic Terminal Information Service (ATIS).

The SSH weather at 0200Z was reported as:

270 degrees at 06 knots, ceiling and visibility OK (CAVOK)[12], temperature 17 degrees Celsius, dew point minus 6 degree Celsius, altimeter 1011 HectoPascals (hPa), No significant change (NOSIG)[13].

The SSH weather at 0300Z was reported as:

280 degrees at 08 knots, ceiling and visibility OK (CAVOK) temperature 17 degrees Celsius, dew point minus 6 degree Celsius, altimeter 1011 HectoPascals (hPa), No significant change (NOSIG).

[11] Refer to exhibit D, Airplane performance Group Factual Report

[12] CAVOK, this terminology means ceiling above 5000 ft and visibility above 10 kilometers.

[13] NOSIG, this terminology means no significant change expected

1.8 Aids to Navigation:

1.8.1 Maps, charts, etc.

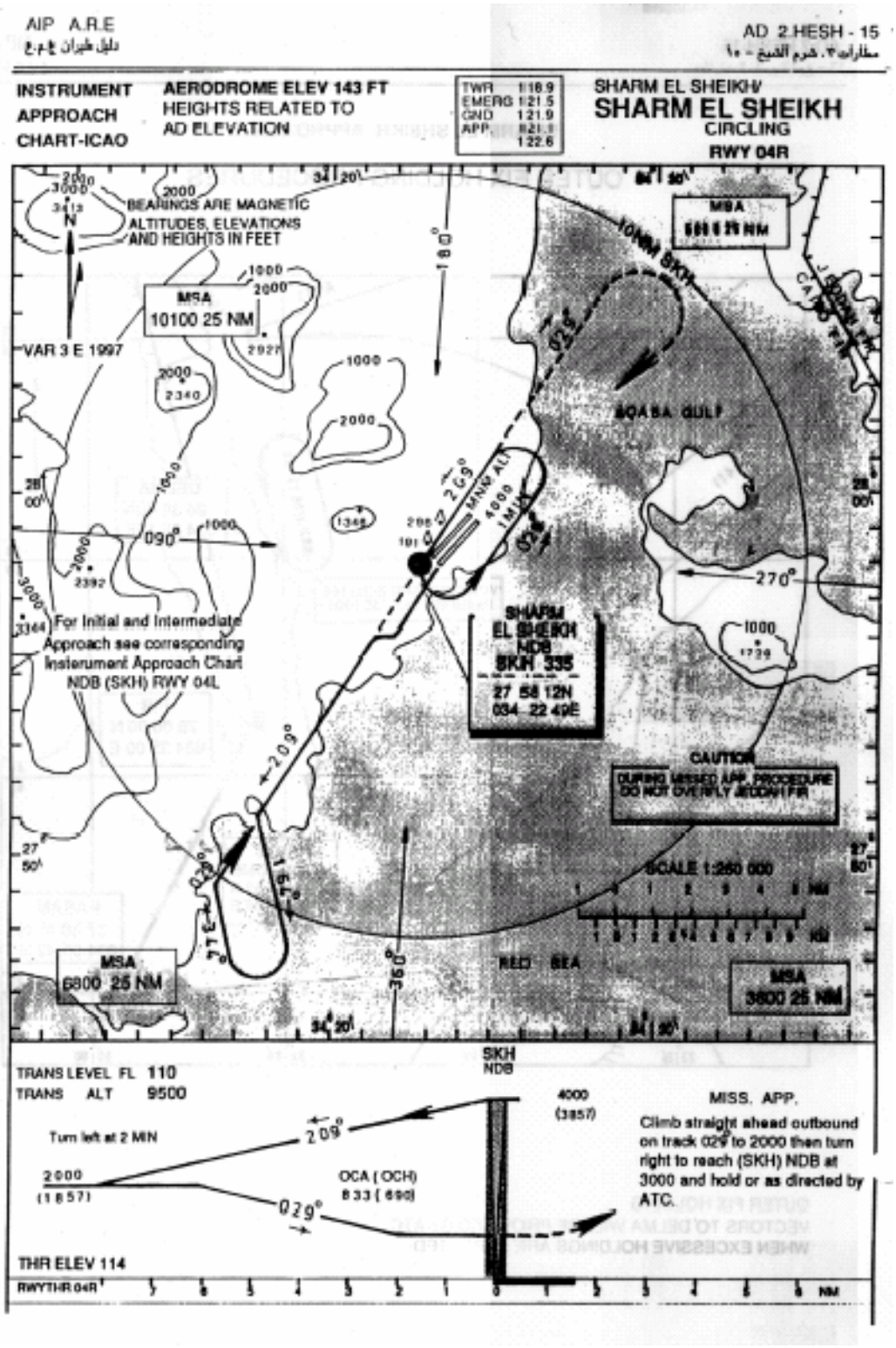

Fig. 1.8.1-1

SHARM EL SHEIKH

Minimum Radar Vectoring Altitude Chart

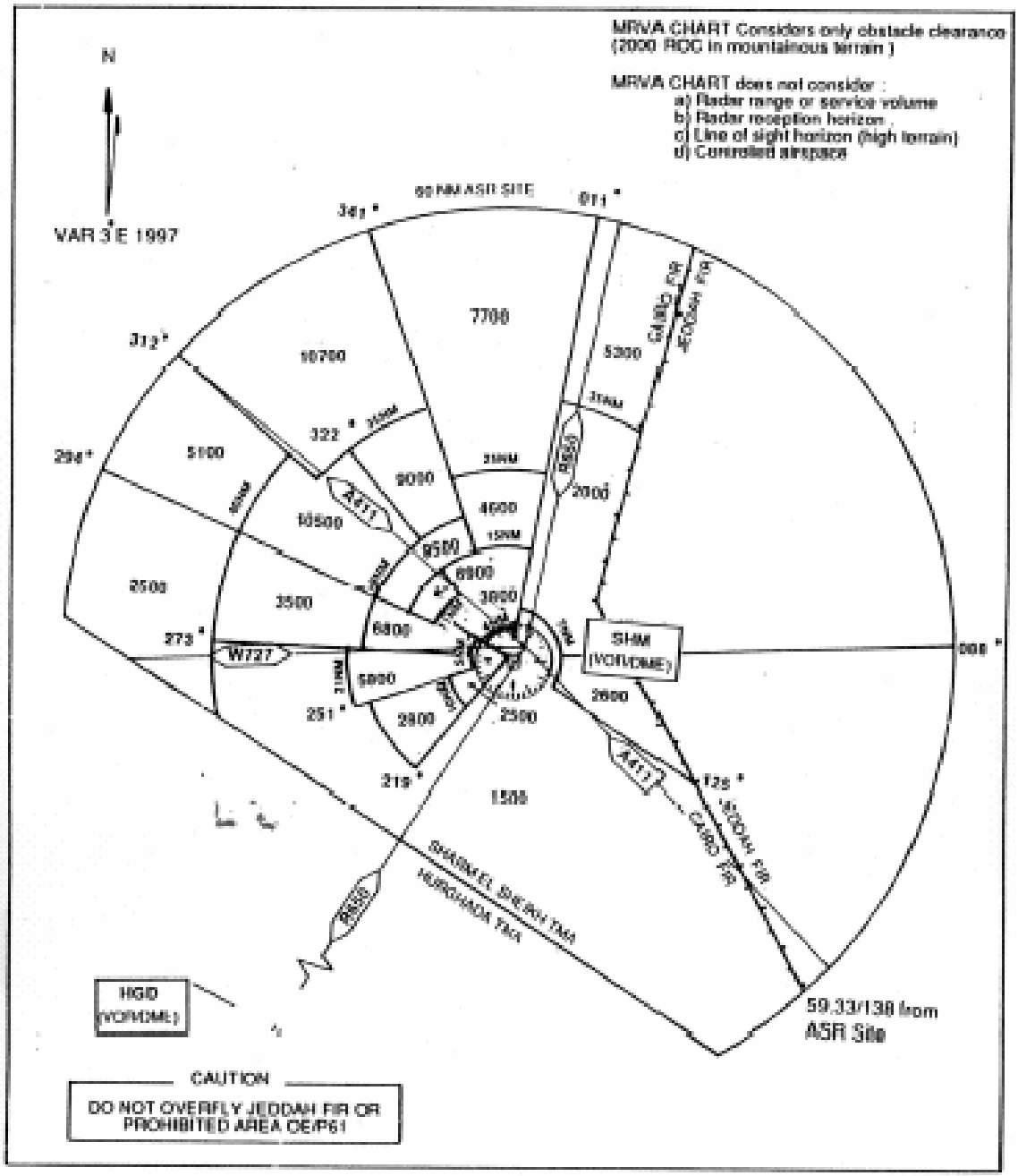

Fig. 1.8.1-2

1.8.2 Sharm el-Sheikh Radar[14]

1.8.2.1 General Specifications:

ASR 12 Radar (Aircraft Surveillance Radar)
Secondary 250 nm
Primary 60 nm
15 revolution per minute approximately (Scan time = 4.13 sec)
Radar site location: 2758.057n/ 03421.985e (Lat. 27.96762 Degree north, Long. 34.36642
Degree east)
Radar Elevation: 299.3 ft

1.8.2.2 Radar data

The radar data from Sharm were reviewed and compared with FDR data to produce flight path

1.8.3 Hurgada Radar

1.8.3.1 General Specifications:

Radar site location: 2711.546N/03346.814E (Lat. 27.19243333 Degree north, Long. 33.78023 Degree east)
Radar Elevation: 176.344 ft

1.8.3.2 Radar data

The radar data from Hurgada were reviewed and compared with FDR to produce flight path

[14] See attached Performance Factual Report

1.9. Communications

1.9.1 ATC communications with FSH604

1-Frequency 118.9

Time	Speaker	Content	CVR/FDR time
02:30:00 FSH604	C >P	FSH604 Sharm el Sheikh	02:28:59
	P > C	Go ahead sir	
	C > P	FSH604 copy Cairo MET condition time 02:22(GMT) S/W 210/10 kt VIS 6 Km W Sky clear D 01 QNH 1013	
		Confirm due point please	
	P > C	D 01	
	C > P	Roger Copied next call when ready ان شاء الله يا كابتن	
02:33:43 FSH604	P > C	Check tower FSH604	02:31:55
	C > P	FSH604 go ahead	
	P > C	Our stand destination Cairo request startup clearance	
	C > P	Startup approved QNH 1011 RWY 22R	
	P > C	Startup approved RWY 22R . FSH604 thank you	
02:38:26 FSH604	P > C	Sharm el sheikh FSH604 ready to taxi out	02:36:39
	C > P	04 taxi right D_A hold short 22R	
	P > C	Roger to the right via D_A to holding point 22R. FSH604	
02:39:50 FSH604	C > P	604 ready to copy	02:38:01
	P > C	Go ahead sir	
	C > P	FSH604 destinations Cairo as filed climb initially FL 140 1673 on the squak	
	P > C	Ok destination Cairo via flight plan rout 140 initially 1673 on the squak FSH604 and we have total pax 135 ان شاء الله	
	C > P	135 and confirm SU-ZCF	
	P > C	I do confirm	
	C > P	ان شاء الله continue taxi via “A” , line up 22R . Advice ready for departure	
	P > C	Roger next call ready ان شاء الله	
02:42:25 FSH604	P > C	604ready to departure	02:42:38
	C > P	FSH604 S/W 280/13 Kts left turn to intercept R306 clear for take off 22R	
	P > C	Clear for take off RWY 22R with left turn to establish 306 Sharm VOR our FSH604 clear for take off	

Time	Speaker	Content	CVR/FDR time
02:43:22 FSH604	P >C	FSH604 confirm to the left to establish 306	02:41:35
	C > P	ان شاء الله	
	P > C	And initially 140	
	C > P	ان شاء الله	
	P > C	شكرا	
02:44:49 FSH604	C > P	FSH604 air born time 44 when ready to the left to intercept 306 radial report on course ان شاء الله	02:43:05
	P > C	Roger when ready ان شاء الله left turn to establish 306 Sharm VOR	
02:45:05 MSR227	P >C	Sharm MSR227 السلام عليكم	02:43:19
	C > P	MSR227 go ahead وعليكم السلام ورحمة الله و بركاته	
	P > C	Maintaining FL 120 43 DME inbound to sharm el sheikh and request descent	
	C > P	MSR227 clear SHM VOR visual approach RWY 22R pilot discretion descent 4000 ft. QNH 1011	
	P > C	دلوقتى اد ايه wind هوه حضرتك الـ	
	C > P	Indicated 280/10 kts	
	P > C	طيب حضرتك ما تشغل RWY 04 يا فندم Right 04	
	C > P	straights ILS approach RWY 04L مافيش مشاكل يا فندم report full establish QNH 1011	
	P > C	Straights approach RWY 04L 1011 next call full establish MSR227	
			End of CVR recording 02:45:06
02:47:45 FSH604	C >	604 position	
02:47:54 FSH604	C >	FSH604 sharm el sheikh	
02:48:06 FSH604	C >	604 sharm el sheikh do you read?	
02:48:17 FSH604	C >	FSH604 sharm el sheikh do you read?	
02:48:28 FSH604	C >	FSH604 sharm el sheikh tower do you read?	
02:48:50 FSH604	C >	FSH604 sharm el sheikh tower do you read?	
02:49:00 FSH604	C >	FSH604 sharm el sheikh tower do you read?	
02:49:08 FSH604	C >	FSH604 sharm el sheikh tower do you read?	
02:50:12 MSR227	C > P	MSR227 could you please to attempt two- way communication with FSH604	
	P >C	حاضر يا فندم	
	C > P	شكرا	

Time	Speaker	Content	CVR/FDR time
	P > P	FSH604 from MSR227	
	P > P	FSH604 from MSR227 how do you read ?	
	P > C	negative contact with FSH604 MSR227حضرتك	
	C > P	شكرا جزيلا	
	P > C	عفوا	
02:50:36	C > P	MSR227 insight S/W 290/10 Kts clear to land RWY 04L	
	P > C	Clear to land RWY 04L MSR227	
02:51:02	C >	FSH604 sharm el sheikh do you read ?	
02:51:20	C >	FSH604 sharm el sheikh do you read ?	
02:51:37	C >	FSH604 sharm el sheikh do you read ?	
02:52:02	C >	FSH604 sharm el sheikh do you read ?	
02:52:30	C >	FSH604 sharm el sheikh do you read ?	
02:52:43	C >	FSH604 sharm el sheikh do you read ?	
02:54:23	C >	FSH604 sharm el sheikh do you read ?	
02:54:30	C >	FSH604 sharm el sheikh do you read ?	
02:54:40	C >	FSH604 sharm el sheikh do you read ?	
02:54:45 MSR227	P > C	الفلاش رايح فين ولا جاى منين يافندم ؟	
	C > P	يا كابتن الطيارة طلعتair born واخذت left turn علشان يكسب ارتفاع فوق الميه المفروض كان هوه داخل over head وداخل على الـroute كنت وقتها حضرتك حوالى 30 ميل او 35 ميل ومن ساعتها مبيرضش عليه	
	P > C	ما تسأل كده نشوف على الرادار باين ولا لأ ؟	
	C > P	مش باين فى الرادار فى القاهرة خالص مفيش اى Communication	
	P > C	دخل left turn على الجبال؟	
	C > P	يا كابتن 22R من Left turn	
	P > C	هو مش باين ومفيش اى حد خالص Ok	
	C > P	ان شاء الله Clear to land	
	P > C	Clear to land MSR227	
02:55:47	C >	FSH604 sharm el sheikh do you read ?	
02:56:37	C >	FSH604 sharm el sheikh do you read ?	
02:56:49	C >	FSH604 sharm el sheikh do you read ?	
02:58:15	C > P	MSR227 on ground time 58 to the left via F-A-E stand number 14 report marcheller insight	
	P > C	TO the left F-A-E next call marcheller insight MSR227	
	P >C	Sharm MSR227	
	C > P	اتفضل يا فندم	
	P > C	احنا سمعنا على 121,5 حد من فلاش بيتكلم يعنى مش عارف 604 ولا فيه طيارة ثانية فلاش	
	C > P	هيه 604 مفيش حاجة غيرها خالص	
	P > C	هوه كان على 121,5 بيتكلم يعنى ok	
	C > P	شكرا جزيلا يا فندم	
	P > C	عفوا	
	C > P	ان شاء الله Ground 121.9 for company information	

Time	Speaker	Content	CVR/FDR time
	P > C	السلام عليكم 121.9	
	C > P	عليكم السلام	

1.10. Aerodrome Information

According to the Aeronautical Information Publication (AIP), Sharm el-Sheikh International Airport is located 23 kilometers northeast of the city. The elevation of the airport is 143 feet mean sea level. The airport had two paved parallel runways; 04L-22R and 04R-22L. Both runways were 3081 meters in length and 45 meters in width. Runways 04R and 04L have CAT 1 Approach Lighting System and runways 22R and 22L had Simple Approach Lighting System. Neither runway had runway centerline lights.

According to the AIP Flight procedures, there was no standard departures and standard arrival routes or any other systematic procedures established within Sharm el-Sheikh approach airspace, heading, flight level, speed and or holding instructions shall be specified in approach control clearances to arriving and departing flights as appropriate to meet the requirements of traffic conditions.

Air Traffic Control Services for Sharm el-Sheikh

An Interview with the Director of Radar Airports, National Air Navigation Service Company indicated that at SSH, the local controller and the departure controller were the same person. The previous last flight departure before the accident flight departed about one hour earlier. An arrival flight landed less than 10 minutes after the accident flight departed. Radar was operating but no radar service was provided to the accident flight.

According to the Director, there were no Standard Instrument Departures (SIDs), or Standard Terminal Arrival Routes (STARs) in Egypt. Clearance was provided to the accident flight crew while on the ground and the departure included a left turn at pilot's discretion and to climb to Flight Level (FL) 140 and to intercept the 306 VOR radial. MEA for this sector is 10500 ft.

According to the Director, the prevailing winds at SSH require the use of runway 04L 70%-80% of the year. On the date of the accident, runway 04L was being used. However, sometime during the day prior to the accident, the runway was changed to 22R.

There was no inspection of the runway after notification of the accident, however, it was stated that the landing airplane after the accident did not report debris on the runway. There is a daily runway inspection performed at SSH.

For AIP information, see attachment

1.11. Flight Recorders

1.11.1. Flight Data Recorder[15]

The accident airplane's flight data recorder (SSFDR), part number 980-4120-DXUN S/N 10069, was retrieved from the Red Sea on January16, 2004 by the French Navy. The FDR was immersed in water and sealed in an ice chest and transported to MCA, accident investigation laboratory at Cairo.

- Readout of the FDR was accomplished using the laboratory's playback hardware, Hand held Down Load unit manufactured by ALLIED SIGNAL Part No. 964-0446-001 and recovery/ analysis/ presentation system (RAPS) software.
- In spite of the damage that had occurred to the external case of SSFDR, the internal solid state memory was in good condition and all the available data was retrieved. RAPS considered the recorded signal and data quality to be very good.

- Data plots and tabular listings of each data parameter for the entire accident flight are included in this report as Appendix "exhibit B, FDR Group Factual Report". The entire 25-hour contents of the FDR were also transcribed,

After the cockpit voice recorder (CVR) timing had been compared to the SSFDR vhf microphone keying and Autopilot disengages warning, a time correlation was developed. (refer to exhibit B, FDR Group Factual Report)

[15] See FDR Group Factual Report

1.11.2 Cockpit Voice Recorder[16]

- The accident airplane's Cockpit Voice data recorder (CVR), Fairchild, Part no. 93-A100 – 80, serial no. 57994 was retrieved from the Red Sea on January17, 2004 by the French Navy. The CVR was immersed in water and sealed in an ice chest and transported to MOCA, accident investigation laboratory at Cairo.

- Readout of the CVR was accomplished using the laboratory's playback hardware and software as follow:

  Download Unit:
  A100 CVR play back Deck - Store 4DS
  Audio Analysis System:
  MPL 1024 , 12 Channel Microphone Mixer – Samson
  Filter : PCAP II (Samson)
  Amplifier : Samson - Servo-550 Studio Amplifier
  Software:
  Vegas 4 – Sound Forge 6 –PCAP II

- The recorder consisted of four channels of audio information.

Channel One:	First officer hot mic.
Channel Two:	Area Mic.
Channel Three:	Observer hot Mic..
Channel Four:	Captain hot Mic..

- After the initial retrieved sound task was completed another effort was undertaken with the assistance of BEA expert as follows:

  - The output signal from the tape deck playback machine was too low compared to the recording on the same conditions in BEA. This problem was solved by increasing the output level when the screw of the adjustable gain control was turned clockwise.

  - The sensitivity of the acquisition audio card of the PC was not good enough to capture correctly the audio signal coming from the tape deck player. This problem was solved by changing the value of the "Variable Signal Levels" on the hardware setting of the audio card, from the manufacture value +4 to -10. The gain was increased and the input signal amplified.

  - The speed of the tape was not correct with an interference of the power (115 V, 400 Hz) measured at 375 Hz. It was not possible to adjust properly the speed of the tape with the device

[16] (refer to exhibit C, CVR Group Factual Report)

installed. This problem is solved by resembling the wave file with a correct ratio (400/375= 1.0665).

- Some high frequencies were missing when doing the spectrum analysis. This problem was solved by using a sampling rate of 32000 kHz instead of 22000 kHz.

- The alignment of the head installed on tape deck player was checked, adjusted and was found satisfactory prior to playback the tape.

A new copy of the CVR was performed. This recorded copy is satisfactory.

1.12. **Wreckage and Impact Information**:[17]

1.12.1 Scope of Site and Wreckage Group Field Notes

The scope of this report is the recovery operations that took place from 3 January 2004 through 5 February 2004 in the Red Sea off Sharm el-Sheikh, Egypt and initial inspection for the recovered parts. Recovery operations initially consisted of the recovery of floating wreckage elements only. Recovery of the underwater wreckage (including FDR and CVR) began when the first ship equipped with a suitable Remote Operated Vehicle (ROV), arrived at the accident scene on 11 January 2004.

This report provides a summary of the recovery operations and documents the wreckage that was identified and recovered.

1.12.2 Recovery Operations

Survival aspects

The initial search for possible survivors and the recovery of bodies were priorities for the rescue and investigation teams. Rescue teams were on site minutes after the accident. They searched for survivors but due to the high energy impact of the aircraft with the sea surface, the depth of the water in this area, their efforts were unsuccessful in recovering any survivors.

Efforts were made to locate human remains by use of deep sea cameras and robots but were also not successful due to the location of the wreckage and the depth of more than 1000 meters.

Floating Wreckage

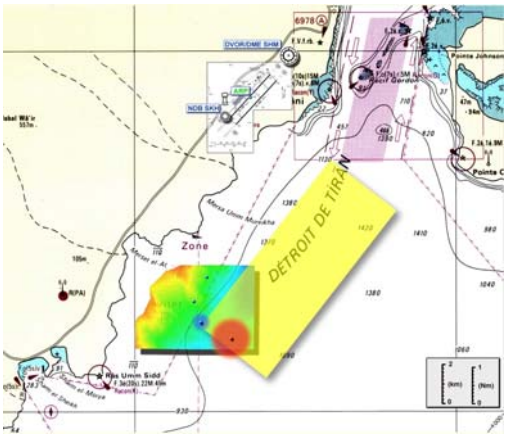

Figure 1.12.4-1 Water depth map

[17] Refer to Exhibit E Site and Wreckage Group Factual Report

The floating wreckage which was recovered shortly after the crash was stored in a hangar in Sharm el-Sheikh airport. On 11 January 2004, the Site and Recovery Group met in the hangar for wreckage inspection. The wreckage was then identified (as much as possible), inspected, segregated (aircraft parts or personal effects). Later, the personal effects were transferred to the Egyptian Legal Authority in Sharm el-Sheikh. A database for the floating wreckage was created (including wreckage pictures).

Underwater Wreckage

Because of the depth of the Red Sea in the area where the accident occurred (approximately 1000 meters), specialized recovery resources were required for the submerged wreckage. The French vessels "Ile de Batz" and "Janus II" were contracted to conduct the underwater wreckage survey and recovery. Both vessels were equipped with deep water recovery capabilities consisting of submersible Remotely Operated Vehicles (ROV). The necessary support equipment to accurately locate and map the airplane wreckage was provided by the French Navy. An oceanographic vessel, the "Beautemps-Beaupré" was sent to the accident site to undertake a bathymetry (depth mapping) of the seabed and a survey of tidal currents.

Figure 1.12.4-2 ROV

FDR / CVR Recovery

The initial focus of the underwater recovery operation was finding and retrieving the protected recorders, the Cockpit Voice Recorder (CVR) and Flight Data Recorder (FDR) and mapping the searched areas. Each recorder is equipped with an acoustic transmitter, called a "pinger" that transmits a detection signal that can be used to locate the box. Based on the initial determination of pinger locations, the ROV from Ile de- Batz, Scorpio, began a visual search using its cameras to find the recorders. To refine the location of the pingers, a network of sonobuoys (GIB, GPS Intelligent Buoys), (see Appendix 5 for detailed description of this operation), was employed in a cooperative effort between the French and Egyptian Navies. This method

produced a new pinger position accurate to within 10 meters and the ROV was moved to the new location. A visual search of a grid created around the new pinger location resulted in discovery of the FDR on 16 January 2004. The FDR was recovered by the ROV and taken onboard the Ile de Batz. Custody of the recorder was transferred to the Investigator in Charge, at the port of Sharm El Sheikh.

The pinger of the second recorder (CVR) was initially identified approximately 800 meters north of the first pinger. However, it was decided to continue the visual search using grids in the area where the first recorder was found. This search was successful and resulted in finding of the CVR on 17 January 2004 (approximately 24 hours after the FDR). It was also taken onboard the Ile de Batz and custody was transferred to the Investigator in Charge at the port of Sharm El Sheikh.

FDR underwater Location: N27 52.3605, E34 22.0165.
CVR underwater Location: N27 52.3467, E34 22.0207.

The recorders were both sent to Cairo for read out and analysis.

The focus of the recovery operation then changed to detailed mapping of the wreckage and recovery of selected airplane equipment. In addition, the recovery operation included recovery of any equipment deemed important to the investigation based on the review of the FDR and CVR in Cairo.

Wreckage Mapping

During the structured search for the recorders, the position (latitude and longitude) and description of surveyed wreckage was recorded. Following recovery of the FDR and CVR, additional grids were defined for ROV operations. These grids were used to systematically survey and document the entire wreckage area. The positions of large pieces, such as the three landing gears and the cores of the two engines were identified.

Data from both ships involved in mapping and recovery were consolidated into a single listing of all surveyed wreckage, which is included herein as Appendix 2.

The distribution of wreckage is included within a rectangle of approximately 275 by 440 meters defined by the following corner point coordinates:

North corner:	N 27°52,559 E 34°21,933
East corner:	N 27°52,410 E 34°22,126
South corner:	N 27°52,294 E 34°22,022
West corner:	N 27°52,450 E 34°21,817

Multiple surveys of the area confirmed the containment of the wreckage within these established boundaries.

Recovered Wreckage

The investigation team developed a strategy for wreckage recovery based on the review of the FDR and CVR undertaken in Cairo. Flight control actuation components and flight deck systems were considered as a priority.

A system was developed for recording the description, external dimensions and the location, in latitude and longitude coordinates, of all recovered wreckage pieces. A database of recovered floating wreckage is included herein as Appendix 3. Another database documenting all wreckage recovered by Ile de Batz and Janus II is included as Appendix 4. Both databases reference digital images of all floating and recovered wreckage.

Recovered wreckage was stored aboard the ships in sea water until taken ashore and loaded onto trucks. All of the recovered wreckage is stored in a hangar at Sharm El Sheikh Airport and is under the control of the investigative authorities.

1.12.3 Partial list of the Recovered Wreckage

- Parts of the horizontal stabilizer central section structure (called "Texas Star"), elements of the elevator structure and components of the elevator control system, including both elevator PCU's (Power Control Unit), both autopilot actuators, the feel and centering unit including the feel actuator.
- Horizontal stabilizer jackscrew and actuator gearbox.
- Vertical stabilizer structure with rudder control system components, including the main rudder PCU and standby rudder PCU, the feel and centering mechanism and with the trim actuator.
- Aileron PCU, spoiler mixer and TBD spoiler actuators.

1.12.4 Initial Observations

- The two engines were found approximately 24 meters apart
- The left and right main landing gear assemblies were found in between the two engines
- The recovered thrust reverser actuator was found retracted
- The recovered leading edge flap actuator was found retracted
- The recovered trailing edge flap jackscrew indicates that flaps were retracted
- The stabilizer jackscrew was measured at 7.5 inches between the flat of the ball nut and the flat of the end stop which corresponds to a stabilizer leading edge position between 2 and 3 degrees down or a trim unit setting between 5 and 6 pilot units.[18]

[18] B737-300 Aircraft Maintenance Manual 27-41-00

1.12.5 Wreckage Data bases and Photos

The full data base and photos of the wreckage are on a CD, which is which is available at the Egyptian Civil Aviation Ministry (MCA). This CD contains:

a. A folder with three Excel files for wreckage complete data base.

   i. Floating Wreckage data base.

   ii. Recovered Wreckage data base.

   iii. Underwater Surveyed Wreckage data base.

b. A folder for photos with four sub-folders

   i. Floating Wreckage Photos: 104 photos.

   ii. Recovered Wreckage Photos: 98 photos.

   iii. Underwater Surveyed Wreckage Photos: 330 photos.

   iv. Wreckage Recovery Process Photos: 25 photos

1.13. Medical and Pathological Information

Egyptian Air Force – Medical Board Report

From : Egyptian Air Force – Medical Board
To : Chairman of Civil Aviation Medical Board
Subject: Medical records of RET. AVM Kheider Abdullah Saad

1. Sequence of medical records

a) Medically fit for all flying duties as from his first medical examination dated 30/05/1970.
b) Amend to be medically fit for all flying duties to be reexamined every sis months as of 14/07/1982.
c) Amend to be medically fit for all flying duties (remove six months restriction) as of 22/04/1985.
d) Medically fit for all flying duties until his last medical examination dated 08/01/1997.

2. Medical History[19]

a) Admitted to hospital on 06/02/1988, diagnosed (cut wound on left hand) sick leave until 20/02/1988, return to normal duty.
b) Admitted to hospital on 26/04/1999, released on the same day, diagnosed (effusion left knee).
c) Examined on 03/11/1999, fit for all flying duties as per last medical exam.

During Service A.F. Pilots are subjected to the following:

a) Tests for Spatial Disorientation as part of his routine periodic physical examination.
b) Sessions of physiologic training which include:

- Sudden Decompression.
- Certificate.
- Spatial Disorientation Training Chair.

No report was found of any medical factors related to Spatial Disorientation.

[19] During the time from 1997 to 1999 the Captain held an administrive post (Chief of Staff of an Airforce base) with no flying duties.

1.14. Fire

N/A

1.15. Survival Aspects

Refer to 1.12 Wreckage and Impact Information

1.16 **Tests and Research**

The FDR records the movements of the pilot's controls (e.g. control column, control wheel position and rudder pedals), the movement of the control surfaces (e.g. elevator, aileron and rudder) as well as motion of the airplane (e.g. pitch and roll attitude and heading angle). The performance evaluation was conducted to determine if the control surfaces were responding normally to the pilot's controls and if the airplane was responding normally to movement of the control surfaces.

In order to accomplish this work, Boeing's 737-300 aerodynamic simulation model was used to recreate the accident flight. The simulation calculates the response of the airplane to movement of the flight control surfaces – for example, it can calculate the roll rate resulting from a 10 degree deflection of the ailerons. The simulation has been verified by comparison against actual flight test data and was used for the design and certification of the 737-300 airplane. In addition, the simulation is the basis for 737-300 crew training simulators used around the world. It should be noted that the 737-300 simulation model is essentially a computer program that represents a nominal airplane with nominal engines. Small differences between the simulation and individual airplane's behavior are common and expected due to differences in control surface rigging, engine wear, and other normal tolerances.

1.16.1 Performance Evaluation

FDR data are recorded at relatively low sample rates and are recorded from different sources, some of which have inherent biases. Because of these issues, a kinematic consistency (KINCON) process was used to supplement the FDR data and calculate additional parameters to be used in the performance analysis. Kinematic consistency analysis is a general practice for processing flight data (either flight test data or FDR data) to ensure consistency of position, speed, and acceleration data.

1.16.2 Baseline Simulation

A baseline simulation recreation of the accident flight was started just as the airplane turned onto the runway and the throttles were advanced, and the simulation was stopped at the end of the FDR data. Because the simulation can calculate the response of the airplane to control inputs, a set of control input time histories (column, wheel, and rudder movements) can be determined that results in the simulation following the same path as the accident airplane. It is important to note that this process does not use the control or surface position data recorded on the FDR, only the path information (e.g. accelerations, attitude and altitude).

Comparisons between the recorded FDR data and the simulation time history data are provided for longitudinal and lateral/directional data in Figures Figure 1.16.2-1 and Figure 1.16.2-2 respectively.

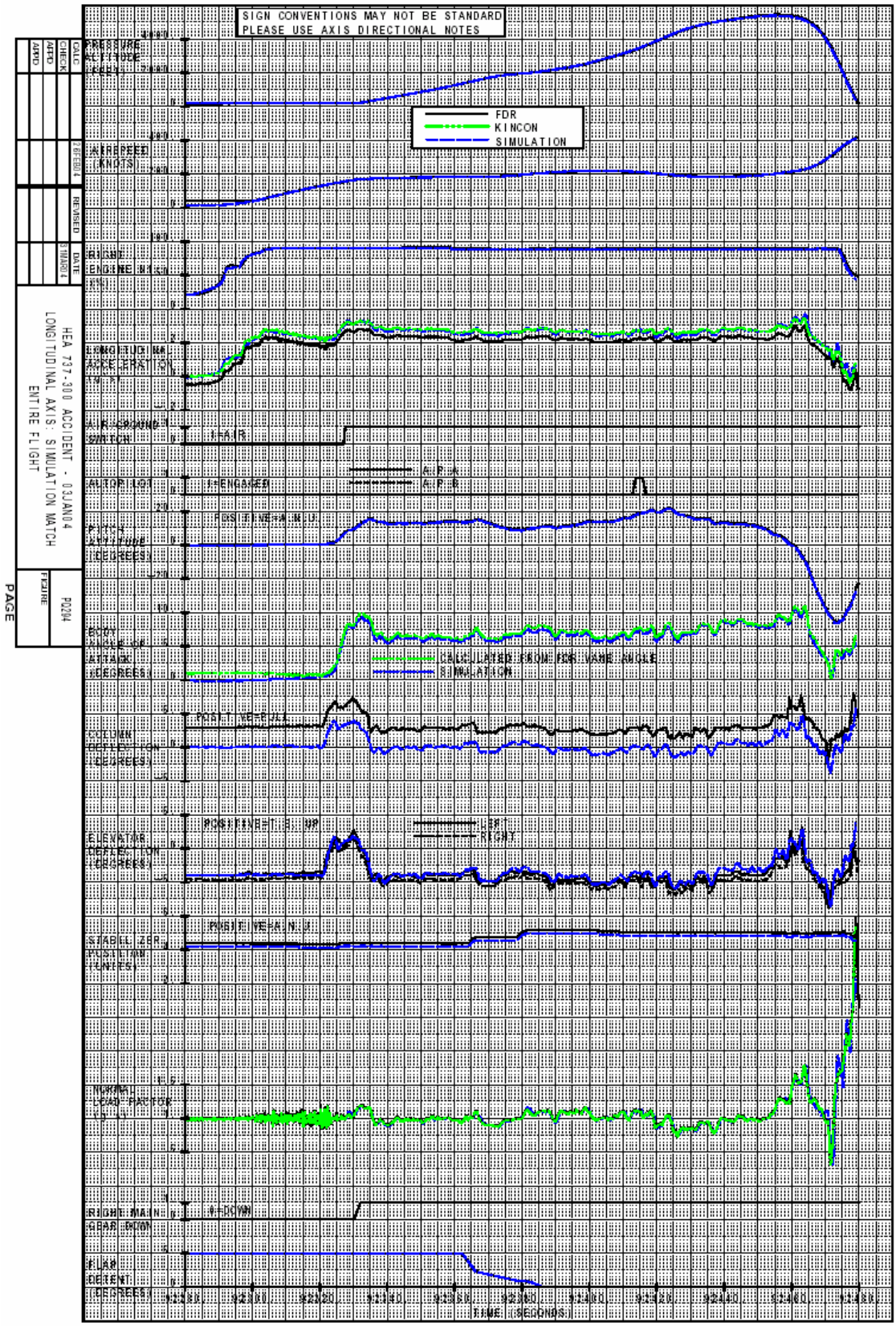

Figure 1.16.2-1 – FDR and Simulation Match Data – Longitudinal Axis

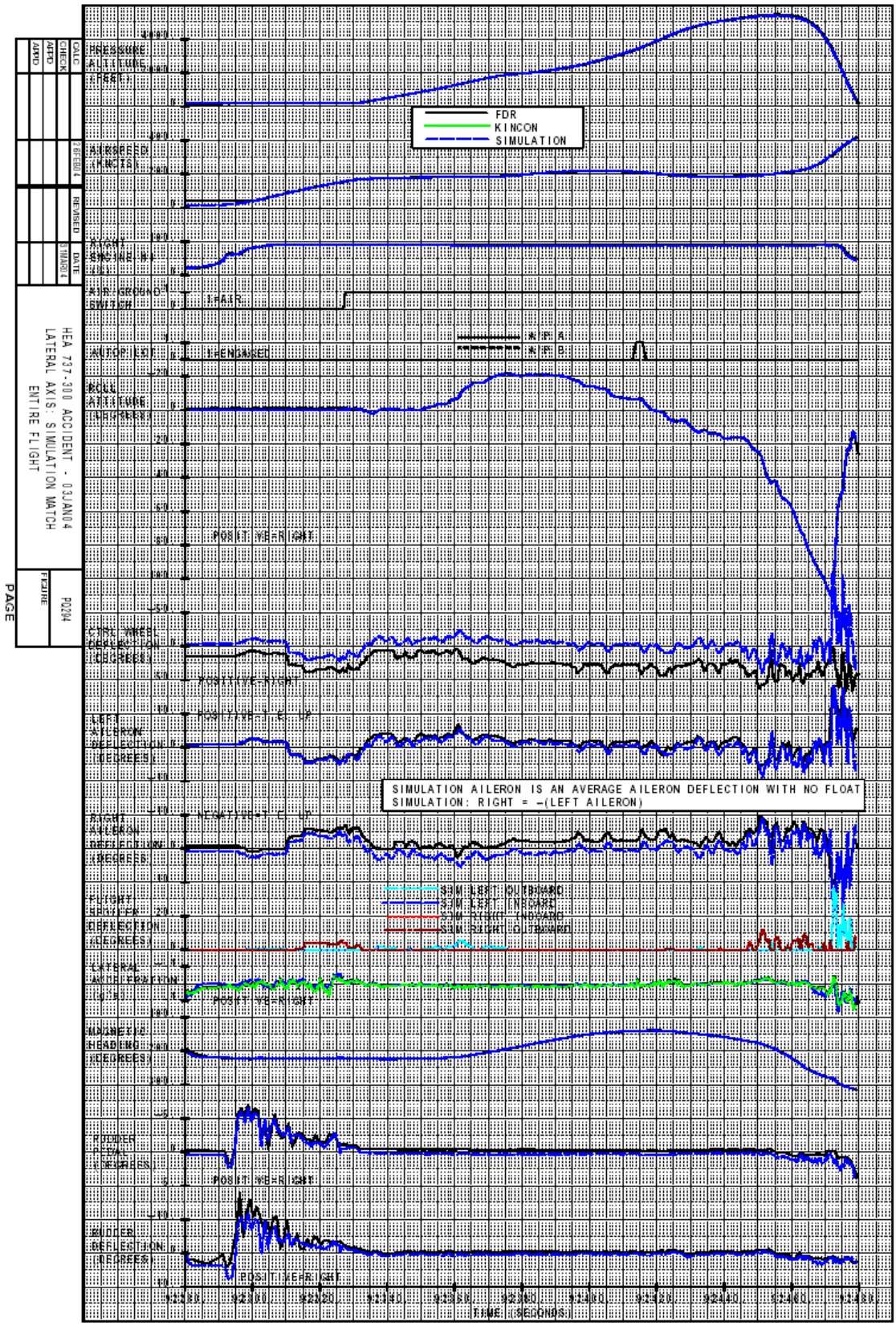

Figure 1.16.2-2 – FDR and Simulation Match Data – Lateral/Directional Axis

An examination of the baseline simulation revealed that the path of the accident airplane is consistent with the recorded motion of the control surfaces.

Specifically, the extreme bank attitude that occurs towards the end of the flight is consistent with recorded motion of the ailerons.

The simulation also revealed that the motion of the control surfaces is consistent with the recorded motion of the control inputs, with the exception of control wheel

1.16.3 Hypothetical Faults resulting in a rolling moment

Several hypothetical airplane system faults were examined to determine if any could have resulted in the right roll behavior recorded on the FDR. These faults included:

- Uncommanded deployment of the #1 slat
- Uncommanded spoiler deflection to full travel (hardover)
- A spoiler disconnected from its actuator (spoiler float)
- Flap asymmetry
- Thrust asymmetry
- Unrecorded rudder motion

The hypothetical faults listed above are similar in that they each create a rolling moment unrelated to the position of the ailerons that will cause the airplane to bank. That is to say, if one of these faults had occurred, the path of the airplane would have differed from that predicted by the recorded position of the ailerons.

1.16.4 Multi-Purpose Engineering Cab Simulator

Additional tests were conducted at Boeing's multi-purpose engineering cab simulator or M-Cab. The M-Cab is similar to a flight crew training simulator in that it consists of a realistic flight deck mounted on a movable base. The M-Cab includes a visual system providing out-the-window views to the flight crew. Because the M-Cab is used to simulate the flight deck of many different Boeing models, actual flight instruments are not used. Instead, a large LCD display is programmed to simulate the flight instrument displays. Examples of the M-Cab's flight instrument displays for the 737-300 are shown in section 1.6.2.

Major differences between the M-Cab and a typical flight crew training simulator are listed below.

- The M-Cab can simulate different model airplanes including 707, 727, 737, 747, 757, 767, and 777.
- The M-Cab can be reprogrammed to simulate a wide variety of hypothetical aircraft system faults.
- The M-Cab can be "backdriven" to reproduce recorded data, such as the simulation match to the accident flight discussed in section 1.16.2. In addition, the backdrive can be interrupted at any point with a transition to normal simulator operation at the current flight conditions. This capability (known as "breakout" allows pilots in the simulator to attempt to recover the airplane from various points in the accident profile.
- The operation of the M-Cab is recorded at a high sample rate

The M-Cab was used to recreate the accident flight as well as to study a number of hypothetical airplane system faults.

1.16.4.1 Tests conducted in the M-Cab

The M-Cab was used to examine some of the faults mentioned in section 1.16.3, as well as a number of other hypothetical faults affecting the lateral control system or the autopilot system. M-Cab tests included:

- Backdrive of FDR data
- Backdrive with breakout at 02:44:44
- Backdrive with breakout at 02:44:56
- Spoiler float
- Uncommanded aileron trim to full authority
- Uncommanded aileron trim to half authority
- Autopilot servo actuator hardover without force limiter engaged
- Autopilot servo actuator hardover with force limiter engaged
- Autopilot servo actuator hardover with pressure regulator and relief valve inoperative

The tests in the M-Cab were conducted with an out-the-window scene equivalent to that available to the accident pilots with the following exceptions:

1) The visibility conditions simulated (ceiling and visibility unlimited at night with no moon) were those reported at the airport at the time of the accident. Actual visibility conditions on the flight deck at the time of the accident are unknown.
2) The ground in the vicinity of Sharm el-Sheikh was depicted through the use of satellite photography taken during daylight hours. It did not represent the nighttime scene of street lights, building lights, etc. against an otherwise dark landscape.

1.17. Organizational and Management Information

1.17.1. Flash Airlines

1.17.1.1. Flash Airlines Air Operator Certificate (AOC)

Flash Airlines was approved as air operator (charter air carrier) under ECAR 121 by the ECAA, and operating under approval no 018.

Flash Airlines has its main office in Cairo, Egypt at 166b El Hegaz St. Heliopolis. Beginning in 2000, Flash Airlines leased the first B737-300 from the International Lease Financial Corporation (ILFC). In June 2001 another B737-300 from ILFC was added to Flash Airlines fleet, which made the company fleet two aircraft the same type. The Operations Specifications was issued to the company in Feb 2000 and the last revision was on October 29th 2003.

1.17.1.2. History

Flash Airlines is also approved under ECAR 145 as a repair station. The approval number is CAI/FLASH?AS/1/2001. The certificate is valid until July 30th, 2004 and was issued on July 31, 2001. The certificate is limited to line maintenance up to the 8A check for the B737-300. Flash Airlines maintenance base is Cairo international Airport.

Flash Airline Organization Chart:

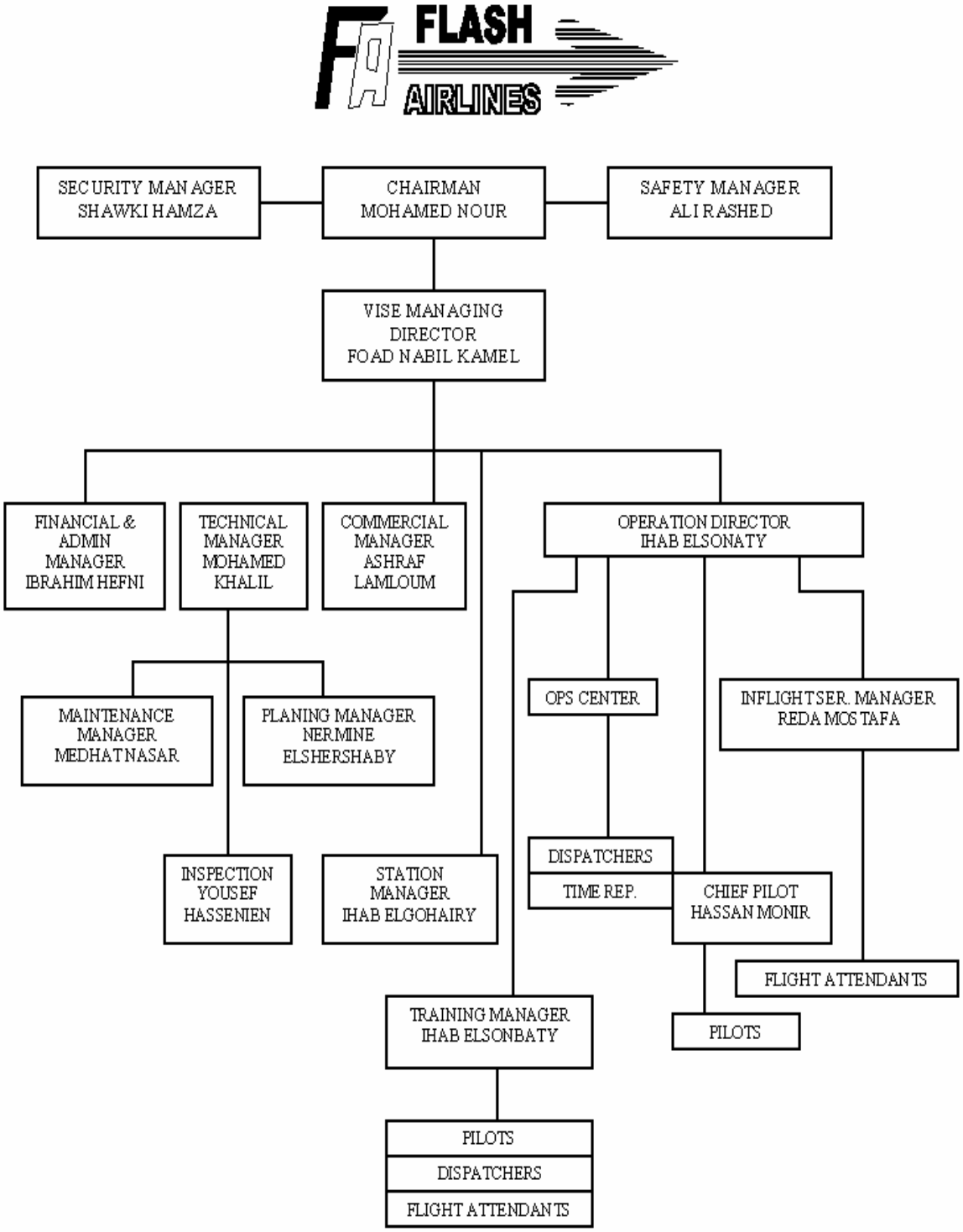

Figure 1.17.1-1 Flash Airlines Organization Chart

Flash Airlines coordinates the maintenance program through its ECAR Part 145 certificate. The Company General Maintenance Manual (GMM) provides guidance related to the Aircraft Maintenance program as the Maintenance Procedures, Maintenance staff Training… etc.

Personnel working on Flash Airlines Fleet at the various maintenance facilities must be familiar with the policies and procedures spelled out in the company GMM. The Quality Control Manager puts the newly hired employees through a twelve-hour Indoctrination Course. The Indoctrination course includes Flash Airlines policy/ procedures, and training practices. It is accomplished before maintenance engineer begins to work at the Flash Airlines facility. The training is documented on a maintenance training attendance record, recorded on the employee's training file.

1.17.1.3. Personnels Training and Authorization

1.17.1.3.1. Maintenance Engineers

According to ECAR 65 the requirements for granting authorization for ground engineer are as follow:

1- Graduation from Faculty of Engineering or an approved training institute.
2- Passing the approved Basic training Course at approved Training Center or institute.
3- On Job Training for 18 months.
4- Passing written, practical and oral exams by the authority for License without Type Rating (LWTR).
5- Passing an approved training course for a specific type airframe and engine.
6- On Job Training (OJT) on the type airframe and engine for 9 months.
7- Attendance of training course for the company exposition procedure manual.
8- Passing oral and practical examination in front of the Company Examination Board (approved by the authority)
9- Getting the company approval.

Flash Airlines maintains its training program in compliance with Egyptian Civil Aviation Regulation requirements. The Maintenance Director and the Quality Control Manager have joint responsibility for assuring all required training is performed and recorded.

Indoctrination training proceeds an employee's start date. The employee is given a 4-hour introduction course that trains one on Flash Airlines maintenance policies and procedures. The training will be documented on a maintenance training attendance record and maintained in the employee's training file.

The aircraft systems training for the A & C Engineers is accomplished through formal systems training and On-the-Job Training (OJT) Worksheets.

Engineer Mustafa Erfan carried out the last pre- flight release.

1.17.1.3.2. Cockpit Crews

Refer to Exhibit F Operation Group Factual Report, Attachment 1

1.17.2. Review of oversight by ECAA on 2003

1.17.2.1 Safety oversight carried out on Flash Airline during the period from 2 Jan, 2003 to 16 Jan 2003 before AOC renewal
The oversight findings and the relevant actions taken by the airline are shown in the table below

A- Operation Findings

	Findings	Actions Taken
1	There is no Training Program	Training Program is submitted and approved
2	There is no Internal Evaluation Program (IEP)	IEP is submitted and approved
3	There is no Line check Training for Captains	Line Check Training is performed
4	No ECAR Training Course was performed recently	Training course has started and it will take some time to cover all the operation personnel
5	There is no approved Training Class	Training Class is Approved.
6	There are no DRM &CRM Training course performed for cockpit crews ,dispatchers and cabin crews	The Airline has introduced a training plan starting on Sep 2003 to be done in PAS Airline
7	No of cockpit crews are not fulfilling the minimum requirement of ECAA	The cockpit crews are sufficient for required operation and the airline will recruit more cockpit crews to fulfill the future operation requirements
8	By reviewing the A/C log book sheets found that ,some sheets not filled out and other some have missed data	The airline issued circular for all cockpit crews and maintenance staff to strictly comply with log book sheets filling out instructions
9	By reviewing the airline TM,GOM and Dispatch Manual some findings were discovered	All findings are covered
10	The submitted station manual not fulfilling ECAA requirements	The Station Manual was updated to fulfill the ECAA requirements
11	The Safety Manual which was submitted by the airline does not meet ECAA requirements	New manual revision is in progress
12	Cabin Crew does not use safety and	A circular was issued for the cabin crew

	emergency check lists	to strictly comply with the written instruction for using the check lists
13	There is no security program for Aircraft	The program is submitted and approved
14	Load sheet calculations for some flights not accurate	Load sheet calculations training course is planned to be done for all flight dispatchers

B-Airworthiness Findings

	Findings	**Actions Taken**
1	There is shortage of some maintenance equipment and tools	The unavailable equipment and tools will be loaned from EgyptAir when required
2	Personnel files are not updated	Files are updated
3	GMM is not Updated	GMM is updated
4	There is no AMM in the library	AMM is Available now in the library
5	MPD, AFM, CMEL, and FOM are not Updated	All manuals are updated
6	There is no Training Program for Recurrent Course	The recurrent training program was submitted and approved
7	Authorization Board does not include electric engineer	The electric engineer authorization will be issued by ECAA
8	The airline has not submitted SOC 121	SOC 121 was submitted and Accepted
9	Some parts are not calibrated	The parts required to be calibrated were sent to EgyptAir for calibration
10	Safety wire of fire bottles do not meet the standards	Safety wire corrected to meet the standards
11	Spare parts in the store are not sufficient	The required spare parts will be loaned from EgyptAir when required
12	A/C tires storage is not according to the storage requirement	Storage requirement familiarization course is performed for the storage keepers
13	The storage keepers are not familiar With GMM	GMM training course is planned to be performed
14	There is no safety requirement program	The program is submitted and approved
15	By reviewing the TLB Sheets ,found that , some sheets not including PDC Maintenance Release and ECM data	An inspection Circular is issued for the maintenance personnel sign PDC Release after PDC performing

1.17.2.2 Safety oversight carried out on Flash Airline on 16 Jul 2003 before AMO Certificate renewal

The oversight findings and the relevant actions taken by the airline are shown in the table below

	Findings	Action Taken
1	There is no W&B Program	The program is submitted and approved
2	Human factors training program for the engineers not yet submitted to ECAA for approval	Human factors training program for engineers is submitted to ECAA and approved

1.18. Additional Information

Flash Airlines Flight 604 Investigation
Crew Behavior Subcommittee

Minutes of a Meeting Held at the Offices of the Ministry of Civil Aviation

Cairo, Egypt
August 23-26, 2004

Materials Provided by MCA

1. Paragraph interview summaries
2. One page summary of medical records provided to MCA by Egyptian Air Force after the retirement of the accident captain
3. Ops group chairman's factual report
4. Capt's flight time summary & schedule for previous 30 days
5. FO's flight time summary & schedule for previous 30 days
6. Capt's MCA pilot certification file
7. Capt's CV (1-page summary of qualifications and type certificates)
8. Captain's meteorology training course certificate from Egyptian Air Force (taken by Capt in 1984 and provided to MCA when he became civil pilot)
9. Capt's Proficiency Check Form from May 12, 2003 and transition training form from May 13, 2003
10. Capt's recurrent training form from Dec 16, 2003
11. Capt's Line Check form from July 23, 2003
12. Capt's Oral Exam form from May 12, 2003
13. Capt's ICE training form from May 28, 2003
14. Capt's Fixed Base Sim training record from April 28, 2003
15. Capt's Full Flight Sim training record from May 3-12, 2003
16. Capt's flight time records from the Air Force, Dec 14, 1999
17. FO's MCA pilot certification file
18. FO's transition training record from June, 2002
19. Flash Air Ground syllabus for 737 -300 course
20. FO's Proficiency Check Form from June 30, 2002
21. page #2 of previous
22. FO's Proficiency Check Form from July 11,2002 (difficult to read)
23. FO's ICE training form from Aug 12, 2002
24. page #2 and #3 of previous
25. FO's Competency Check (ground school on emergency operations- training conducted at Egypt Air) from May 22, 2002
26. FO's Proficiency Check form from May 15-16, 2003
27. FO's Recurrent Training form from Dec 11, 2003
28. FO's Flash Air special course on emergency procedures, HAZMA T, first aid (practical test tied to handling dangerous goods)
29. FO's MCA test performance and systems certification oral exam
30. FO's basic indoctrination course form (from MCA at Egypt Air facility)
31. FO's ICE form

32-39 -FO's full flight simulator training form from June 22-July 7, 2002

40. MCA CVR-FDR overlay plots (3 pages)

Materials made available for review during the meeting:

- MCA medical certification records of the captain
- Flash Air general operations manual
- Flash Air training manual

Definition of spatial disorientation

Spatial disorientation is an incorrect perception of attitude, altitude or motion of one's own aircraft relative to the position of the Earth.

Type I spatial disorientation:

Unrecognized spatial disorientation. No conscious perception of SD. Distractions are often antecedents to the accident. Crash with no distress or concern expressed. No mayday or other than routine communications. Unusual or inappropriate aircraft attitude, but pilot does not make any appropriate corrective action. Pilot is apparently oblivious to the situation.

Type II recognized:

Conscious manifestation of a problem. Pilots often incorrectly refer to this experience as vertigo. Pilot recognizes conflict between perceived and intended or expected attitude. Can assume that the instruments are operating incorrectly. Might not properly react because of difficulty accepting indicated correct control input or might just be puzzled about the situation. Confusion might persist after recovery and lead to compounding of SD problem.

{Veronneau, S.J.H. & Evans, R.. (2004). Spatial disorientation mishap classification, data and investigation. Previc, F.H. & Ercoline, W.R. (Eds) Spatial disorientation in aviation. American institute of Aeronautics and Astronautics.}

Conditions for establishing spatial disorientation

1. Presence of inaccurate or misleading vestibular cues.
2. Absence of visual cues or presence of misleading visual cues.
3. Presence of a distraction capable of drawing attention away from attitude displays.

Closing Comments

This is a preliminary report. More work is needed to comprehensively address all human factors issues relevant to this accident, as needed.
Complete minutes of CBS meeting will be made available to the sub committee for further work and analysis

Interviews regarding Captain Kheider Abdullah

[redacted]

Worked together in the Egyptian Air Force and later in Civil Aviation.

A religious man, accurate in his work, does not recall medical complaints or use of any significant medication, was aware of maintaining his health, had self respect in all dealing with others.

- [redacted] **wife of Captain Kheider**

  Spoke very highly of him; he never created any problem for her all through their married life – chose to cure any minor health problem by using natural components such as herbs – played soccer until five years ago – never complained of headaches, dizziness or unbalance, did not mention any work related problems to her or his children.

- **Meeting with Captain Khedr's wife 24/10/2004**

  All his life Captain Khedr motivation for flight was very high he used to care of his health and eat organic foods and much salad. When he is expecting a journey he used to close his room to have a good sleep while taking off the telephone. He was married since 30 years; he has 3 children and one grand child. Two children are living with him.

  No accidents either aeroplane or crush car was reported. He was much praised at work. In the year 1999 he was awarded a prize when he landed in a difficult weather in Sarayevo.

- **First Officer** [redacted]

  Important note: [redacted] flew with Captain Kheider 48 hours prior to the crash.

  Had good relations with everybody regardless of position or rank. The last flight was the F/O birthday and the Captain celebrated the event on the A/C by sharing a cake with all the crew, this gesture left a very positive impression on everybody.

- **First Officer** [redacted]

  Says Captain Kheider was calm and balanced person and in spite of his long experience he always took time to read and prepare well before any flight, he was well disciplined and did not smoke.

- **First Officer** [redacted]

  Flew frequently with Captain Kheider, learnt a lot from him and his long experience, was of good character, calm during flights and he did not observe anything about his behavior that was not normal.

- **First Officer** [redacted]

  Flew frequently with Captain Kheider, she says that he was intelligent, observant and highly concentrated on his work during flights, balanced, calm and disciplined.

- **Meeting with traffic officer Mr.** [redacted]
(Sharm El Sheikh Station Manager)
[redacted] met the 3 crew members and he know them well during the months proceeding the accident. Crew members:
  1) Captain Khedr.
  2) F/O Amr El Shafy.
  3) Engineer Mostafa Askar.

  He used to see them in the office during work and a lot during rest periods in Sharm El Sheikh City. Either staying in a hotel or taking supper together in a restaurant in the City.

  He noticed they were pleasant and within normal behavior. No special incidents or accidents or quarries occurred during that period.

  Captain Khedr was specially accurate and meticulous in his work and famous for his punctuality. He likes his work very much and talks about it with pride and satisfaction. He used to smile and talk nicely to all crew members specially before flights. Between journeys he used to stay at hotel taking complete rest. I used to see Captain Khedr daily in between trips.

  On the 3rd day before accident nothing specially was observed with normal relationship with a crew.

- **On the day of the accident**

  Due to pressures of reservation in hotels, Captain Khedr and F/O were in Fantasia hotel and the rest of the crew was in Coral Beach Hotel. The bus brought the crew first then the Captain and first officer from the 2nd hotel with a difference of 15 min. the aeroplane arrived and I gave them the documents and Captain Khedr requested the usual questions (like the № of passengers).

  Captain Khedr was joking with me and told me I can take you with me now to Cairo (on aeroplane) this happened while the first officer is busy checking, the different systems of aeroplane and entering the computerized route plan he is usual a calm person with little but pleasant talking.

1.19. New Investigation Techniques

Exhibits

Exhibit A

Aircraft Maintenance Records
Group Factual Report

Ministry of Civil Aviation
Accident Investigation Central Administration
Accident Investigation Team
Cairo, January 26,2004

AIRCRAFT MAINTENANCE RECORDS GROUP FACTUAL REPORT

A. ACCIDENT

Location:	Sharm El Sheikh Airport, South Sinai
Date:	January 3, 2004
Time:	0246 UTC, 0446 Local Time
Aircraft:	Flash Airlines, Flight FSH 604,B737-3Q8, SU-ZCF.

B. AIRCRAFT MAINTENANCE RECORDS GROUP

C. SUMMARY

On January 3, 2004, about 0246 UTC, Flash Airlines flight FSH604, a B737-3Q8, SU-ZCF plunged into the Red Sea shortly after takeoff from Sharm El Sheikh International Airport (SSH) in South Sinai, Egypt. The flight was a passenger charter flight to Charles de Gaulle Airport (CDG), France with a stopover in Cairo international Airport (CAI) for refueling. Two cockpit crewmembers (Pilot and Co-pilot), three cabin attendants and 143 passengers (135 French and 8 Egyptian) onboard were killed. The airplane was destroyed due to impact forces with the red sea.

On January 11, 2004, the Aircraft Maintenance and Records Group convened at Flash Airlines Headquarter in 166b El Hegaz St, Heliopolis, Cairo Egypt in order to meet and interview Flash Airlines Technical Director and his staff. They collected all documents and records available for the subject aircraft. The rest of the aircraft records were delivered to the Accident Investigation Team on January 14, 2004. The Aircraft Maintenance and Records Group examined Flash Airlines maintenance program and the airplane records of SU-ZCF. The Aircraft Maintenance and Records Group completed the field review and examination on January 26, 2004.

The Aircraft Maintenance and Records Group performed a review of airworthiness directives, maintenance program , weight and balance report, supplemental type certificates, maintenance discrepancies, and contracts. Results of these reviews are summarized in this report.

All Interviews are attached to Appendix A of this report.

D. DETAILS OF THE INVESTIGATION

1.0 Flash Airlines Air Operator Certificate (AOC)

Flash Airlines is approved as air operator (charter air carrier) under ECAR 121 by the ECAA, and operating under approval no 018.

Flash Airlines has its main office in Cairo, Egypt at 166b El Hegaz St. Heliopolis . Beginning in 2000, Flash Airlines leased the first B737-300 from the International Lease Financial Cooperation ILFC. In June 2001 another B737-300 from ILFC was added to Flash Airlines fleet which made the company fleet two aircraft the same type. The Operations Specifications was issued to the company in Feb 2000 and last revision was on October 29th 2003.

2.0 Aircraft History

Per Egyptian Civil Aviation Safety and Security Authority (ECASSA), civil aviation aircraft registration records , the International Lease Financial Cooperation (ILFC) leased the accident aircraft, serial number 26283, to Flash Airlines on May 14, 2001. It was registered in Egypt on June 17, 2001 under tail number SU-ZCF to be operated by Flash Airlines. The subject aircraft basic information as following:

Aircraft Type	: B737-3Q8
Minimum Crew	: 2 (Pilot and Copilot)
Registration Mark	: SU-ZCF
Serial Number	: 26283
Manufacture Date	: October 1992
Line Number	: 2383
Variable No	: PQ294

Interior Configuration : Total 148 Economy Class

ECAA Minimum Number of Flight Attendant : 3

3.0 Aircraft Maintenance

3.1 Maintenance Program Summary- Flash Airlines B737-300

Flash Airlines has developed their customized Maintenance Program . The Maintenance Program last revision was issued on January 20, 2003 and approved by the Egyptian Civil Aviation Safety and Security Authority (ECASSA), Airworthiness Central Administration under approval No MOCA/FLASH/737-300/MP/R2/03. This Maintenance Program was incorporated guidance from Boeing Maintenance Planning Document (MPD) Revision July 2002.

The Periodic Service Check is accomplished on layover. The check is performed as a walk-around, visual inspection and servicing when necessary.

The Routine Inspection is performed every 250 flight-hours (A Checks). A Routine Inspection Procedures Index is used to assure the check is completed. The Inspection consists of a visual inspection of the aircraft's major components, servicing, operational and functional checks.

The Maintenance Program contains subparts related to:

1- Line Maintenance Checks: Transient, Daily and Weekly Checks.
2- "A" Checks which should be carried out at 250 Flight Hours Interval and its multiples. The following chart will show how are the "A" checks cycled:

"A" Check Cycle (250 Flight Hours Intervals per Cycle – 16 "C" Check)																
Check	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2A		x		x		x		x		x		x		x		x
4A				x				x				x				x
8A								x								x

3- "C" Check which should be carried out every 4000 flight hours and its multiples. The following chart will show how are the "C" checks cycled.

"C" Check Cycle (4000 Flight Hours Intervals per Cycle)								
Checks	1	2	3	4	5	6	7	8
1C	x	x	x	x	x	x	x	x
2C		x		x		x		x
4C				x				x
6C						x		
8C								x

4- Components: This section contains general information on selected airframe and engine components. They are Condition Monitoring, On Condition or Hard Time.
5- Structure Inspection which should be carried out every 24000 Flight Hours. Structural inspections are performed in accordance with guidelines set down by the manufacturer Boeing MPD.
6- Corrosion Prevention Control Program (CPCP)
7- Pylon Inspections (ATA 54) the 15 Months and 45 Months Checks

The checks and inspection times can not be exceeded except by using the short term escalation as authorized per the Operations Specifications D95 issued by ECASSA to Flash Airlines and considered as a part of the air operator certificate AOC No 18.

The last "A" check accomplished by Flash Airlines and the last "C" check and Structural inspection carried by Braathens Engineering and Maintenance for the SU-ZCF were as follows:

"8A" Check	:	December 12, 2003	at 25423:50 Flight Hours
"7C" Check	:	From Nov 3 - Dec 21, 2002	at 23531 Flight Hours
Last SI Check	:	From Nov 3 - Dec 21, 2002	at 23531 Flight Hours
Last 15 M Chk	:	From Nov 3 - Dec 21, 2002	
Last 45 M Chk	:	From Nov 3 - Dec 21, 2002	

Copy of the checks done on the aircraft is attached (attachment 01)

3.2 Maintenance Time Limitations

Scheduled maintenance checks are approved by ECASSA (Flash Airlines Operations Specifications D88), and are in accordance with the Boeing 737-300 Maintenance Planning Documents MPD[1].

[1] The Boeing 737-300 Maintenance Planning Data (MPD) document provides maintenance planning information necessary for each 737 operator to develop a customized scheduled maintenance program

Transient Check:	Before each flight
Daily Check:	Every 24 hours that the airplane is in service.
7 days check:	Every 7 Calendar days.
Check “A” Systems and multiples:	Every 250 Flying hours and multiples.
Check “C” Systems and multiples:	Every 4000 Flying hours.
Structural Inspections:	Every 24000 Flying hours

3.3 Aircraft Summary

Total Hours at Time of Accident: 25603 Flight Hours
Total Cycles at Time of Accident: 17976 Flight Cycles

3.4 Weights and Balance Summary

According to the Egyptian Civil Aviation Regulations, ECAR 91 Appendix H attachment 1 the aircraft has to be reweighed every three years . Furthermore, aircraft must be reweighed if the effect of modifications on the mass and balance is not accuratly known. Flash Airlines aircraft was weighed last time on December 19, 2002 in Braathens SAFE, Stavangar, Norway. and recalculated by Flash Airlines after the reenforced cockpit door modification installation on November 1st, 2003, and the results were as follows.

Empty Weight	:	70794 lbs
Moment	:	45921358.6 lb.in
% AMC	:	17.42%

3.5 Engines: CFM56-3C-1

Engines are maintained in accordance with Flash Airlines Maintenance program and are based on the life cycle limits of the rotating components. CFMI Engine maintenance manual together with the applicable Service Bulletins and engine teardown data determine these limits. Overhauls are performed at the SNECMA MOROCCO Workshop or other authorized Certified Repair Station.

	Engine Position 1 (Left Side)	Engine Position 2 (Right Side)
Serial Number (ESN)	857352	856481
Time Since New (TSN)	25314 hours	26045 hours

Cycles Since New (CSN)	17815 Cycles	17523 Cycles
Date of Installation on SU-ZCF	August 1998	Jan 3, 2003
Time Since Last O/H	8741 Hours	1828 Hours
Cycles Since Last O/H	6188 Cycles	909 Cycles

Engine Disks and First Limiters Status as per attached (attachment 02)

3.6 Engine Monitoring System

Flash Airlines engines are monitored as per the manufacturer (CFMI) engine condition monitoring program (Sage Trend Analysis program). Sage is a set of programs which collectively provide the functionality to perform standard condition monitoring of CFMI engines. Sage is designed to work in an interactive environment with the major analytical calculations performed at scheduled times throughout the day.
By reviewing the engine condition monitoring trend reports for both engines, they showed no deviation or important shift, the EGT margin is considerable ok. Engine Condition Monitoring cruise trend sheet is attached (attachment 14)

3.7 Flight Data Recorder/ Cockpit Voice Recorder.

Description	P/N	S/N	Test Date	Workshop
Sundstrand FDR	980-4120-DXUN	10069	O/H 18/11/02	Air Transport Avionic
CVR	93A100-80	57994	Tested 12/11/02	Braathens

3.8 Aircraft Status

3.8.1 Minimum Equipment List (MEL)

Flash Airlines Customized Minimum Equipment List CMEL was approved by the ECASSA on Feb 23rd, 2002 under approval number ECASSA/FLASH/MEL/737-300/02/02 according to MMEL[2] R40, meanwhile another revision according to the last Master Minimum Equipment List (MMEL) revision 45 is currently under approval by the ECAA.

[2] The Master Minimum Equipment List (MMEL) is a FAA approved document, with participation by the aviation industry, intended to assist airline operations and maintenance organizations in developing the procedures required to operate the aircraft in various nonstandard configurations. It is also intended to permit operation with inoperative items of equipment for a period until repair can be accomplished. In order to maintain an acceptable level of safety and reliability, the MMEL establishes limitations on the duration of and conditions for operation with inoperative equipment. It is the basis for development of individual operator MEL that take into consideration the operator's equipment configuration and operational conditions.

3.8.2 Aircraft Condition Report (A/C deferred defects)

No deferred items were recorded in the aircraft deferred snags log Book

3.8.3 Type Certificate Data Sheet

FAA "Type Certificate Data Sheet" number A16WE (revision 28, dated October 29, 1999) for B737-300 series airplanes was reviewed for compliance conditions and limitations. No discrepancies were noted. Type certificate Data Sheet attached (attachment 15)

3.8.4 Supplemental Type Certificates

Supplemental Type Certificates supplied by Flash Airlines were reviewed.
One Supplemental Type Certificate was issued to install a Matsushita Audio Entertainment System in accordance with General Aerospace Engineering Order No GA-23-1042. STC attached (attachment 16)

3.8.5 Airworthiness Directives (AD) Summary and Service Bulletins (SB) Summary

The Airworthiness Directives compliance status list dated January 12th, 2004 (attachment 03) submitted by Flash Airlines was reviewed with special concentration on AD's carried out after the aircraft was leased by Flash Airlines.
The previous AD's Status which was forward to Flash Airlines during the aircraft delivery was reviewed with special attention to those AD's which had an open or repetitive status.
All listed Airworthiness Directives and Service Bulletins have been complied with no discrepancies noted.
Service Bulletins compliance status attached (attachment 17).

3.8.6 Time Controlled Components

Time Controlled items listed on the Boeing 737-300 Maintenance Program, including task card number, part/serial numbers, and the time interval, were reviewed. The listing by task card noted categories (inspections, functional check, restoration, or scrap). Flash Airlines has no exceedance for the MPD recommendations. No discrepancies were noted. Components list replaced by Flash Airlines attached (attachment 04)

3.8.7 Prior Discrepancies/Accidents Involving SU-ZCF

Per Flash Airlines records, no previous accidents were reported for the accident aircraft.

3.8.8 Logbook Forms

The original aircraft Technical Log Book sheets were reviewed for the last three months from September 27, 2003 through December 2003 for discrepancies, no trends or discrepancies noted. The list of the reviewed Technical Log Book sheets is attached:

Few number of pilot reports are recorded. Some corrective actions recorded by the maintenance staff without pilot reports. Copy of the Tech Log Book entry listing is attached (attachment 05)

Copies of the Technical Log Book sheets following the original copies (from Dec 27, to Dec 31, 2003) were reviewed also. The following are the review results:

- The Line Maintenance checks (transient, PDC and Daily) are properly carried out and recorded by the certified staff.
- All Pilots acceptance are recorded.
- Pilots reports are very limited, however many corrective actions are recorded by the maintenance staff.
- Some Technical Log Book sheets are missed From serial no 1998 up to the accident flight. (Shown as per attached schedule)

4.0 Maintenance Participants

Prior to the accident, the most recent scheduled maintenance performed on the accident aircraft was (8A check) done by Flash Airlines, Cairo base on December 11, 2003. Also, the PDC check was carried out by Flash Airlines Engineer at SSH station just before the accident. Due to the unavailability of the missed technical log book sheets, an interview, and document review were conducted to obtain information about the maintenance performed at this station before the accident flight.
The on board ground engineer said that there weren't any abnormal problem with the aircraft during the flight to SSH from VCE. And nothing was reported from the pilot. Interview attached (attachment 06)

4.1 Flash Airlines Approved Maintenance Organization (AMO)

Flash Airlines is also approved under ECAR 145 as a repair station . The approval number is CAI/FLASH?AS/1/2001. The certificate is valid until July 30th, 2004 and was issued on July 31, 2001. The certificate is limited to line maintenance up to the 8A check for the B737-300. Flash Airlines maintenance base is Cairo international Airport.

Flash Airlines coordinates the maintenance program through its ECAR Part 145 certificate. The Company General Maintenance Manual (GMM) provide guidance related to the Aircraft Maintenance program as the Maintenance Procedures, Maintenance staff Training… etc.

Personnel working on Flash Airlines Fleet at the various maintenance facilities must be familiar with the policies and procedures spelled out in the company GMM. The Quality Control Manager puts the newly hired employees through a twelve-hour Indoctrination Course. The Indoctrination course Flash Airlines policy and procedures, and training practices. It is accomplished before maintenance engineer begins to work at the Flash Airlines facility. The training is documented on a maintenance training attendance record, recorded on the employee's training file.

4.2 Contracted Repair Station Listing

- EgyptAir Maintenance and Engineering
- Braathens Maintenance and Engineering
- Snecma Morroco Engine Services.

5.0 Personnel Training and Authorization

According to ECAR 65 the requirements for granting authorization for ground engineer are as follow:

1- Graduation from Faculty of Engineering or an approved training institute.
2- Passing the approved Basic training Course at approved Training Center or institute.
3- On Job Training for 18 months.
4- Passing written, practical and oral exams by the authority for License without Type Rating (LWTR).
5- Passing an approved training course for a specific type airframe and engine.
6- On Job Training (OJT) on the type airframe and engine for 9 months.
7- Attendance of training course for the company exposition procedure manual.
8- Passing oral and practical examination in front of the Company Examination Board (approved by the authority)
9- Getting the company approval.

Flash Airlines maintains its training program in compliance with Egyptian Civil Aviation Regulation requirements. The Maintenance Director and the Quality Control Manager have joint responsibility for assuring all required training is performed and recorded. Indoctrination training proceeds an employee's start date. The employee is given a 4-hour introduction course that trains one on Flash Airlines maintenance policies and procedures. The training will be documented on a maintenance training attendance record and maintained in the employee's training file.

The aircraft systems training for the A & C Engineers is accomplished through formal systems training and On-the-Job Training (OJT) Worksheets.

Engineer Mostafa Erfan Askr does the last flight release.

Engineer Mostafa was graduated from the National Civil Aviation Training Organization on September a6th 1972. He worked as a mechanic for the Kuwait Airways for twenty years during which he received the following training courses:

1- B 747-269B Mechanics Familiarization during the period between Feb 17th 1979 to March 3rd 1979. (Kuwait Airways).
2- Airbus Mechanics Familiarization Course during the period between October 6th to October 18th 1984 (Kuwait Airways).
3- B767 Mechanics Familiarization A&C Course during the period between February 7th to February 19th, 1987 (Kuwait Airways).

In 1991 he took the Cessna 188 course at DEVCO training center, then he got his Egyptian license without type rating (LWTR) No 1525 on August 1st 1992 which is valid until July 27th, 2004.

He joined Flash Airlines two years ago, during this two years he had the following training and exams:

1- B737-300 type course at EgyptAir approved training center during the period between December 22nd, 2002 to February 27th, 2003.
2- Basic Indoctrination Course during the period between 13-14 June 2003.
3- An on Job Training for 9 months on Flash Airlines B737-300 fleet.
4- An approval authorization exam for the engine on November 2nd, 2003 and for the airframe November 3rd, 2003.

His approval No: 014 Valid until: July 26th, 2004 Issued on: Nov 28th, 2003
LWTR No: 1525 Valid until: July 27th, 2004 issued on: August 1st, 1992

6.0 Contracts

6.1 Flash Airlines and EgyptAir Approved Maintenance Organization Contract

The contract between Flash Airlines and EgyptAir Maintenance and Engineering Approved Maintenance Organization (attachment 07) was signed January , 2000. There are 15 agreement statements throughout the contract identifying conditions in which the two companies will work together.
Per the contract, EgyptAir will perform maintenance routine checks (A check and its multiples and C Checks and its multiples) and any requested AD's accomplishment on the B7373-300 operated by Flash Airlines.
Flash Airlines provides the work package for the required routine check including the routine task cards, engineering orders weather for Airworthiness Directives, Service Bulletins, or modifications as well as other non-routine task cards that may be required to be accomplished concurrently with the routine check, in addition to any rectified defects by EgyptAir during the check.

EgyptAir is an approved maintenance organization as per ECAR 145 under approval No CAI/EGYPTAIR/AS/01/98 issued by ECASSA

6.2 Flash Airlines and Braathens Maintenance and Engineering Contract.

The contract between Flash airlines and Braathens Maintenance and Engineering in Stavangar, Norway (attachment 08). It became effective on November 3rd, 2002. There are thirty statements of understanding and two Appendices that explain the conditions of the Agreement.

Flash Airlines provides the required work scope as per their approved maintenance program. Braathens Maintenance and Engineering supplies the necessary consumables, routable parts, and equipment.

Braathens Maintenance and Engineering is approved as Per ECAR 145 approved maintenance organization under approval CAI/BRAATHENS/AS/1/2002.

6.3 Flash Airlines and SNECMA MOROCCO ENGINE SERVICES.

The contract between Flash Airlines and SNECMA MORROCO ENGINE SERVICES (attachment 09) was signed on November 7th, 2002. There are 22 agreement statements throughout the contract identifying conditions in which the two companies will work together.

Per the contract, Flash Airlines and Snecma MORROCO ENGINE SERVICES have entered into this agreement to stipulate and regulate terms and conditions for repair/overhaul of Flash Airlines CFM56-3C-1 Engines rated 22 klbs.
According to the agreed workscope, it includes repair, engine performance restoration, and application of any applicable AD's.

SNECMA MOROCCO ENGINE SERVICES is approved as Per ECAR 145 approved maintenance organization under approval CAI/SNECMA MOROCCO/AS/1/2002

7.0 Maintenance Performed on the A/C before the accident flight.

7.1 Maintenance done by Flash Airlines Tech Staff at Cairo Base

The Last Check carried out on the accident aircraft was an 8A check. The check was performed by Flash Airlines Technical staff at Cairo base station. The check workpackage included visual inspection, servicing, and operational checks. A routine borescope inspection for the HPT nozzles guide vanes and the combustion chamber was performed on both engines by EgyptAir with no findings. The workpackage was reviewed with no discrepancies.

7.2 Transient Check carried out for the Flight VCE/SSH

A transient check was carried out in VCE by engineer Motaz Awad on January 2nd, 2004 a copy of the interview with him is attached (attachment 06)

7.3 Last PDC Carried out for the Accident Flight

On January 3rd, 2003, aircraft SU-ZCF, a daily check was performed in accordance with the approved checklist as per the company maintenance schedule at SSH station just before the flight. The check was carried out by the accident flight, on board engineer (Eng Mostafa Askar).

7.4 Aircraft Refueling before the Accident Flight and investigations done after the accident.

The Refueling was done for the accident aircraft on January 3rd, 2004 between 03:50 and 04:00 local time (UTC +2) for the quantity of 3500Liters by truck no 4432 belonging to Misr Petroleum Company (service invoice is attached) attachment 10.

The same truck had refueled the following airplanes on the same date:

- EgyptAir aircraft A320 SU-GBF at 02:05 LT before the accident aircraft.
- Taroum aircraft YR-GGX at 04:20 LT after the accident aircraft.
- EgyptAir aircraft SU-GCD at 05:10 LT after the accident aircraft.

After the aircraft accident, Three fuel samples had been drawn from the Misr Petroleum fuel truck on January 3rd, 2004 at 12:45 local time. One of them was used for a dehydrated Copper Sulfate capsule field inspection for fuel water content, which was satisfactory (attachment 11). The two others samples were sent to the following laboratories for analysis:

- The Egyptian Petroleum Research Institute Nasr City, Cairo (attachment 12).
- Misr Petroleum Company, Ghamra Research Center Laboratory (attachment 13).

The Egyptian Petroleum Research Institute (EPRI) performed the Jet (A-1) fuel analysis, ASTM distillation and ASTM D-86. The results of these analyses show that all the values are within limits except for the water content, ppm, which is 48, and the max is 30.

The Misr Petroleum Co, Ghamra Research Center Laboratory performed the same analyses done by (EPRI), all the results comply with the requirements of DES-STAN 91-91 issue 4 (DERD 2494) and the joint fueling systems “Checklist” specifications for JET A-1 issue 19 Sept, 2002.

Appendix A

Attachment Listing

Attachment 01: List of Checks done on the accident aircraft.

Attachment 02: Engine Disks and first limiters status

Attachment 03: Airworthiness compliance status.

Attachment 04: Components list replaced by Flash Airlines.

Attachment 05: Copy of the Tech Log Book Entry Listing.

Attachment 06: Eng [redacted] Interview.

Attachment 07: EgyptAir Contract

Attachment 08: Braathens Engineering and Maintenance Contract.

Attachment 09: Snecma Morocco Contract

Attachment 10: Fuel Service Invoice.

Attachment 11: On spot fuel field inspection.

Attachment 12: Egyptian Petroleum Research Institute Analyses Report.

Attachment 13: Misr Petroleum Co, Ghamra Laboratory analyses report.

Attachment 14: Engine Condition Monitoring Cruise Trend Sheets.

Attachment 15: Type Certificate Data Sheet.

Attachment 16: Supplemental Type Certificate, STC.

Attachment 17: Service Bulletins compliance list

S	Dates
1551-1575	From 27-9-03 to 4-10-03
1576-1600	From 3-10-03 to 9-10-03
1601-1625	From 10-10-03 to 18-10-03
1626-1650	From 18-10-03 to 22-10-03
1651-1675	From 23-10-03 to 27-10-03
1676-1700	From 27-10-03 to 1-11-03
1701-1725	From 1-11-03 to 7-11-03
1726-1750	From 7-11-03 to 12-11-03
1751-1775	From 12-11-03 to 17-11-03
1776- 1800	From 17-11-03 to 23-11-03
1801-1825	From 23-11-03 to 30-11-03
1826- 1850	From 30-11-03 to 11-12-03
1851- 1875	From 12-12-03 to 22-12-03
1876- 1900	From 22-12-o3 to 27-12-03

Exhibit B

Flight Data Recorder (FDR)
Group Factual Report

Ministry of civil aviation

Accidents Department
Egypt, Cairo

October14, 2004

Group Chairman's Factual Report - Flight Data Recorder

ACCIDENT

Location:	Red Sea off Sharm el-Sheikh
Date:	January3, 2004
Time:	2:45:06 GMT
Operator:	Flash Airlines – Flight 604

The group convened at MCA headquarters in Cairo from January16, 2004 for readout of the FDR. The readout included transcription of the accident flight data. In addition, a transcription of the entire 25-hour contents of the FDR was accomplished.

SUMMARY

On January 3, 2004, about 02:45:06 UTC, 04:45:06 Local time, Flash Airlines flight FSH604, a Boeing 737-300, Egyptian registration SU-ZCF, operated by Flash Airlines, crashed into the Red Sea shortly after takeoff from Sharm el-Sheikh International Airport (SSH) in South Sinai, Egypt. The flight was a passenger charter flight to Charles de Gaulle Airport (CDG), France with a stopover in Cairo international Airport (CAI) for refueling. Flight 604 departed from Sharm el-Sheikh airport with 2 pilots (Captain and First Officer), 1 observer, 4 cabin crew, 6 off-duty crew members and 135 passengers on board. The airplane was destroyed due to impact forces with the red sea with no survivals.

Details of Investigation

- The accident airplane's flight data recorder (SSFDR), part number 980-4120-DXUN S/N 10069, was retrieved from the Red Sea on January16, 2004 by the French Navy. The FDR was immersed in water and sealed in an ice chest and transported to MOCA, accident investigation laboratory at Cairo.

- Readout of the FDR was accomplished using the laboratory's playback hardware, Hand held Down Load unit manufactured by ALLIED SIGNAL Part No. 964-0446-001 and recovery/ analysis/ presentation system (RAPS) software.
- Inspite of the damage that had occurred to the external case of SSFDR, the internal solid state memory was in good condition and all the available data was retrieved. RAPS considered the recorded signal and data quality to be very good.

- Data plots and tabular listings of each data parameter for the entire accident flight are included in this report. The entire 25-hour contents of the FDR were also transcribed, and the data provided to the parties to the investigation.

After the cockpit voice recorder (CVR) timing had been compared to the SSFDR vhf microphone keying and Autopilot disengages warning, a time correlation was developed.

Unreliable parameters

- **Control Wheel Position**

The position of the control wheel is sensed by a position transmitter mounted under the flight deck floor. The transmitter measures the rotation of a shaft that is connected to the lateral control system with a cable and pulley arrangement. The body of the transmitter is cylindrical and is held in place by a clamp. The output may be adjusted by rotating the body of transmitter within clamp which is then tightened. The recorded position of the control wheel tended to follow the recorded position of the ailerons, and therefore appears to have the correct profile. However there was an offset or bias between the recorded position and the expected position. The value of the bias changed at irregular intervals, often when large control wheel inputs were made, and also every time that a control wheel freedom-of-motion check was conducted prior to takeoff. The shifting bias was evident in all 25 hours of FDR data.

- **Left Engine N1**

The fan speed of the left engine appears to behave normally during the first 17 hours of recorded data. During the last 8 hours (including the accident flight), the parameter recording fan speed alternates between two fixed values. All other engine parameters

for both the left and right engine are operating normally. The aerodynamic performance and simulation match discussed in section 1.16 indicates that the left engine was operating normally.

- **Slat #1 Mid Extend Discrete**

Slats position is recorded by three discrete parameters as follows:

- "Slats full extended"
- "Slats in transit"
- "Slats mid extended"

. Normally, during cruise, the slats are up, during takeoff, the slats are in the mid-extend position to provide increased low-speed lift capability. During landing, the slats are normally in the fully extended position to further increase low-speed lift capability. The position of each slat is indicated by discrete parameters on the FDR. With the exception of the "LE Slat 1 Mid Extend" parameter, all of the slat indications recorded on the FDR change in a consistent manner

Comments

1) The transition of the Air/Ground discrete parameter from “Ground” to “Air” had occurred at 2:42:33 GMT, the last recovered data was recorded at 2:45:5 GMT.

2) TOGA mode had been engaged at 2:42:02 GMT for two seconds, and then disengaged. While checking the TOGA mode operation all over the FDR 25 Hr. Data, We notice that every time the mode engaged, one second or two seconds later disengage.

3) During takeoff with the aircraft magnetic heading constant, the right aileron indication was up and the left aileron indication was down.

4) Heading Select and Level Change modes had been selected as Flight director modes.

5) The FDR data indicates that the airplane was turning to the left after takeoff, and rolling back towards wings level before the autopilot engagement.

6) The autopilot had been engaged at 2:43:59 GMT and disengaged at 2:44:02GMT. At 2:44:03 GMT, the autopilot disengage warning was recorded.

7) At autopilot engagement, the Heading Select Mode was disengaged and reverted to CWS R Mode.

8) Between the time of the autopilot engagement and disengagement, the FDR records momentary aileron surfaces movements. The right aileron deflected to 7.2 degree TEU for one second.

9) After autopilot disengagement, the aircraft had turned to the right and on the other hand the ailerons repetitively moved between the neutral and the roll right direction.

10) At 2:44:58GMT, the aircraft roll angel reached 111.094˚to the right, next second both ailerons reversed their directions and initiated aircraft recovery.

11) Hydraulic pressure, Engine Oil Quantity, Speed Brake Handle Position, Selected Heading and Selected Course no.1 Parameters were retrieved according to Boeing Document "Enclosure B-H200-17884-ASI"

Attachments:

A- Attachment 1, Tabular data of the accident flight.

B- Attachment 2, FDR Plots

C- Attachment 3, Five plots represent FDR and CVR correlation.

Note: Soft Copy for all 25 hours FDR data is available at MCA upon request

Attachment 1, Tabular data of the accident flight.

 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 20 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
91864	2	34	50	216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.988558					
91865				216	45	309.375	0.988558	-0.00097	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91866				216	45	309.375	0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91867				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91868	2	34	54	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91869				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558					
							0.990848					
91870				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91871				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00097	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91872	2	34	58	216	45	309.375	0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00097	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91873				216	45	309.375	0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.988558					
							0.990848					
							0.988558					
							0.990848					
91874				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.988558					
91875				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91876	2	35	2	216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
91877				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91878				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.988558					
							0.990848					
91879				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00097	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.990848					
91880	2	35	6	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00504	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.0437		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91881				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.993137	-0.00504	-0.0437	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91882				216	45	309.375	0.988558	-0.00097	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.990848					
91883				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91884	2	35	10	216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91885				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91886				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91887				216	45	309.375	0.990848	-0.00504	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91888	2	35	14	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00097	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.988558					
91889				216	45	309.375	0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00097	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91890				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.988558					
91891				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91892	2	35	18	216	45	309.375	0.990848	-0.00097	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91893				216	45	309.375	0.990848	-0.00097	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91894				216	45	309.375	0.990848	-0.00097	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00504	-0.04777		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91895				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.988558					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558					
							0.988558					
91896	2	35	22	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848	-0.00504	-0.04777		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.988558					
91897				216	45	309.375	0.988558	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00097	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04777		0.175781	
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91898				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04777	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.988558					
							0.993137					
							0.990848					
							0.988558					
91899				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91900	2	35	26	216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.04777		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.993137					
91901				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04777		0.175781	
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91902				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.0437		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91903				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.990848					
91904	2	35	30	216	45	309.375	0.993137	-0.00301	-0.04777	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91905				216	45	309.375	0.993137	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91906				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00097	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91907				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.993137	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91908	2	35	34	216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.988558					
91909				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91910				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91911				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91912	2	35	38	216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91913				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91914				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91915				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91916	2	35	42	216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91917				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91918				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.988558					
							0.990848					
91919				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.988558					
							0.990848					
91920	2	35	46	216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.988558					
91921				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.990848					
91922				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91923				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91924	2	35	50	216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
91925				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91926				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91927				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91928	2	35	54	216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848	-0.00301	-0.0437		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91929				216	45	309.375	0.988558	-0.00301	-0.04777	1.05469	0.175781	0
							0.986269	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04777		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91930				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.988558					
							0.990848					
91931				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91932	2	35	58	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91933				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91934				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.988558					
91935				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91936	2	36	2	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91937				216	45	309.375	0.988558	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.988558					
91938				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91939				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91940	2	36	6	216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91941				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.988558					
91942				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.983979	-0.00301	-0.0437		0.175781	
							0.993137					
							0.995426					
							0.993137					
							0.990848					
91943				216	45	309.375	0.993137	-0.00301	-0.04574	1.05469	0.175781	0
							0.995426	-0.00301	-0.0437	1.05469	0.175781	0
							0.993137	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.993137					
							0.993137					
91944	2	36	10	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
91945				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91946				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.993137					
							0.990848					
							0.988558					
91947				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.990848					
91948	2	36	14	216	45	309.375	0.990848	-0.00504	-0.0437	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91949				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91950				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
91951				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.990848					
91952	2	36	18	216	45	309.375	0.993137	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91953				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91954				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.993137	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91955				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.993137	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.990848					
91956	2	36	22	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91957				216	45	309.375	0.990848	-0.00301	-0.0437	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91958				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91959				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91960	2	36	26	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.990848					
91961				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91962				216	45	309.375	0.990848	-0.00301	-0.0437	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.990848					
91963				216	45	309.375	0.990848	-0.00097	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.0437		0.175781	
							0.993137					
							0.988558					
							0.988558					
							0.990848					
91964	2	36	30	216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.988558					
91965				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.0437		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91966				216	45	309.375	0.988558	-0.00504	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.990848					
							0.990848					
91967				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00504	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.990848					
91968	2	36	34	216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.988558					
91969				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91970				216	45	309.375	0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91971				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
91972	2	36	38	216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.988558	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.988558					
							0.990848					
91973				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558					
							0.988558					
91974				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91975				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.05794		0.175781	
							0.990848	-0.00301	-0.05387		0.175781	
							0.990848					
							0.977111					
							0.98169					
							0.98169					
91976	2	36	42	216	45	309.375	0.98169	-0.00301	-0.05387	1.05469	0.175781	0
							0.979401	-0.00301	-0.05387	1.05469	0.175781	0
							0.979401	-0.00301	-0.05387		0.175781	
							0.98169	-0.00301	-0.05387		0.175781	
							0.98169					
							0.98169					
							0.98169					
							0.98169					
91977				216	45	309.375	0.98169	-0.00504	-0.05387	1.05469	0.175781	0
							0.98169	-0.00301	-0.05387	1.05469	0.175781	0
							0.98169	-0.00301	-0.05387		0.175781	
							0.98169	-0.00301	-0.05387		0.175781	
							0.98169					
							0.98169					
							0.98169					
							0.98169					
91978				216	45	309.375	0.993137	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91979				216	45	309.375	0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91980	2	36	46	216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00504	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
91981				216	45	309.375	0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.988558					
							0.993137					
							0.990848					
91982				216	45	309.375	0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04777	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.993137	-0.00301	-0.0437		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
91983				216	45	309.375	0.988558	-0.00097	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91984	2	36	50	216	45	309.375	0.990848	-0.00097	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.988558					
91985				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00097	-0.0437	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
91986				216	45	309.375	0.990848	-0.00504	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558					
							0.988558					
91987				216	45	309.375	0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91988	2	36	54	216	45	309.375	0.990848	-0.00504	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91989				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.05794		0.175781	
							0.990848	-0.00301	-0.05387		0.175781	
							0.988558					
							0.979401					
							0.98169					
							0.98169					
91990				216	45	309.375	0.98169	-0.00301	-0.05387	1.23047	0.175781	0
							0.98169	-0.00504	-0.05387	1.05469	0.175781	0
							0.98169	-0.00301	-0.05387		0.175781	
							0.98169	-0.00301	-0.05387		0.175781	
							0.98169					
							0.979401					
							0.98169					
							0.98169					
91991				216	45	309.375	0.98169	-0.00301	-0.05387	1.23047	0.175781	0
							0.98169	-0.00301	-0.05387	1.05469	0.175781	0
							0.979401	-0.00301	-0.05387		0.175781	
							0.98169	-0.00504	-0.05591		0.175781	
							0.98169					
							0.98169					
							0.98169					
							0.98169					
91992	2	36	58	216	45	309.375	0.98169	-0.00301	-0.05387	1.23047	0.175781	0
							0.98169	-0.00301	-0.05387	1.05469	0.175781	0
							0.979401	-0.00301	-0.05387		0.175781	
							0.98169	-0.00504	-0.05387		0.175781	
							0.98169					
							0.98169					
							0.98169					
							0.979401					
91993				216	45	309.375	0.983979	-0.00301	-0.05387	1.23047	0.175781	0
							0.98169	-0.00301	-0.05387	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.98169	-0.00301	-0.05387		0.175781	
							0.979401	-0.00504	-0.05387		0.175781	
							0.98169					
							0.98169					
							0.98169					
							0.98169					
91994				216	45	309.375	0.98169	-0.00301	-0.05387	1.23047	0.175781	0
							0.98169	-0.00301	-0.05387	1.23047	0.175781	0
							0.98169	-0.00301	-0.05387		0.175781	
							0.979401	-0.00301	-0.0437		0.175781	
							0.98169					
							0.98169					
							0.98169					
							0.988558					
91995				216	45	309.375	0.990848	-0.00504	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
91996	2	37	2	216	45	309.375	0.990848	-0.00504	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91997				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00504	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
91998				216	45	309.375	0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.988558	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
91999				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558					
							0.988558					
92000	2	37	6	216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
92001				216	45	309.375	0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
92002				216	45	309.375	0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
92003				216	45	309.375	0.990848	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
92004	2	37	10	216	45	309.375	0.993137	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04777	1.23047	0.175781	0
							0.988558	-0.00301	-0.04777		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.988558					
92005				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.988558	-0.00301	-0.04574		0.175781	
							0.988558					
							0.990848					
							0.990848					
							0.990848					
92006				216	45	309.375	0.990848	-0.00504	-0.04574	1.23047	0.175781	0
							0.988558	-0.00301	-0.04574	1.05469	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
92007				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.988558					
							0.990848					
92008	2	37	14	216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.988558					
							0.990848					
							0.990848					
92009				216	45	309.375	0.988558	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
92010				216	45	309.375	0.990848	-0.00301	-0.0437	1.23047	0.175781	0
							0.988558	-0.00301	-0.0437	1.05469	0.175781	0
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848	-0.00301	-0.04574		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
92011				216	45	309.375	0.990848	-0.00301	-0.04574	1.23047	0.175781	0
							0.990848	-0.00301	-0.04574	1.05469	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					
							0.990848					
							0.990848					
92012	2	37	18	216	45	309.375	0.990848	-0.00301	-0.0437	1.23047	0.175781	0
							0.990848	-0.00301	-0.0437	1.23047	0.175781	0
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848	-0.00301	-0.0437		0.175781	
							0.990848					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.988558					
92013				216	45	309.375	0.995426	-0.00301	-0.0437	1.05469	0.175781	0
							0.993137	-0.00301	-0.0437	1.23047	0.175781	0
							0.993137	-0.00301	-0.04167		0.175781	
							0.993137	-0.00301	-0.04167		0.175781	
							0.995426					
							0.993137					
							0.993137					
							0.993137					
92014				216	45	309.375	0.995426	-0.00301	-0.04167	1.05469	0.175781	0
							0.995426	-0.00301	-0.04167	1.05469	0.175781	0
							0.993137	-0.00301	-0.04167		0.175781	
							0.993137	-0.00301	-0.03963		0.175781	
							0.993137					
							0.995426					
							0.993137					
							0.993137					
92015				216	45	309.375	0.993137	-0.00301	-0.03963	1.23047	0.175781	0
							0.993137	-0.00301	-0.0376	1.05469	0.175781	0
							0.995426	-0.00097	-0.03556		0.175781	
							0.993137	-0.00301	-0.03353		0.175781	
							0.993137					
							0.993137					
							0.995426					
							0.993137					
92016	2	37	22	216	45	309.375	0.995426	-0.00301	-0.02946	1.23047	0.175781	0
							0.995426	-0.00504	-0.02743	1.05469	0.175781	0
							0.993137	-0.00504	-0.02743		0.175781	
							0.997715	-0.00301	-0.02539		0.175781	
							0.995426					
							0.995426					
							0.997715					
							0.995426					
92017				216	45	309.375	0.993137	-0.00301	-0.02539	1.05469	0.175781	0
							0.993137	-0.00301	-0.02336	1.05469	0.175781	0
							0.995426	-0.00097	-0.01929		0.175781	
							0.997715	-0.00097	-0.01725		0.175781	
							0.997715					
							0.993137					
							0.997715					
							0.995426					
92018				216	45	309.375	0.995426	0.001057	-0.01318	1.05469	0.175781	0
							0.995426	-0.00301	-0.00911	1.05469	0.175781	0
							0.995426	-0.00504	-0.00505		0.175781	
							0.995426	-0.00301	0.001058		0.175781	
							0.995426					
							0.997715					
							0.997715					
							0.993137					
92019				216	45	309.375	0.995426	-0.00504	0.003092	1.05469	0.175781	0
							0.997715	0.003092	0.003092	1.23047	0.175781	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715	-0.00097	0.007161		0.175781	
							0.997715	-0.00504	0.007161		0.175781	
							0.997715					
							0.997715					
							0.995426					
							1.00001					
92020	2	37	26	216	45	309.375	1.00001	-0.00301	-0.00098	1.05469	0.175781	0
							1.00001	0.001057	-0.01929	1.23047	0.175781	0
							1.01603	-0.00097	-0.00098		0.175781	
							1.00001	0.003092	-0.01115		0.175781	
							0.963375					
							0.967954					
							1.00001					
							1.02061					
92021				216	45	309.727	1.00001	-0.00504	-0.00911	1.05469	0.175781	0
							0.977111	-0.01114	-0.01725	1.05469	0.175781	0
							0.995426	-0.00097	-0.01318		0.175781	
							1.01374	0.001057	-0.01725		0.175781	
							1.00458					
							0.979401					
							0.977111					
							1.00229					
92022				216	45	309.727	1.02977	0.001057	-0.02743	1.05469	0.175781	0
							1.00458	-0.00504	-0.02946	1.05469	0.175781	0
							0.967954	-0.00301	-0.02743		0.175781	
							0.986269	0.003092	-0.02336		0.175781	
							1.01603					
							1.00001					
							0.967954					
							0.983979					
92023				216	45	310.078	1.01832	0.001057	-0.01929	1.05469	0.175781	0
							1.00916	-0.01114	-0.03353	1.23047	0.175781	0
							0.979401	-0.00301	-0.02743		0.175781	
							0.997715	0.005126	-0.02946		0.175781	
							1.02519					
							0.997715					
							0.961086					
							0.988558					
92024	2	37	30	216	45	311.133	1.02519	-0.00301	-0.03149	1.23047	0.175781	0
							1.00916	-0.00097	-0.02132	1.23047	0.175781	0
							0.963375	0.003092	-0.03963		0.175781	
							0.977111	0.015299	-0.02743		0.175781	
							1.00458					
							1.02977					
							1.00458					
							0.970243					
92025				216	45	312.188	0.98169	0.007161	-0.03353	1.23047	0.175781	0
							1.01603	-0.00301	-0.02946	1.23047	0.175781	0
							1.01145	0.007161	-0.0376		0	
							0.979401	0.013264	-0.02336		0	
							0.977111					
							1.00916					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.01832					
							0.979401					
92026				216	45	314.648	0.956507	0.005126	-0.03149	1.23047	0	0
							1.00229	0.009195	-0.03556	1.05469	0	0
							1.03663	0.017333	-0.03556		0	
							1.00229	0.009195	-0.0376		0	
							0.965664					
							0.983979					
							1.0229					
							1.00229					
92027				216	45	317.109	0.965664	0.013264	-0.02743	1.05469	0	0
							0.970243	0.01123	-0.0376	1.23047	0	0
							1.00001	0.019368	-0.0376		0	
							1.02061	0.003092	-0.03963		0	
							1.01145					
							0.98169					
							0.986269					
							1.00001					
92028	2	37	34	216	45	321.328	1.00229	0.01123	-0.0498	1.05469	0	0
							1.01374	0.019368	-0.03963	1.05469	0.175781	0
							0.993137	0.021403	-0.05387		0	
							0.970243	0.02954	-0.0437		0	
							0.967954					
							1.00916					
							1.02977					
							0.970243					
92029				216	45	325.195	0.972533	0.037679	-0.05184	1.23047	-0.17578	-0.35156
							1.00916	0.02954	-0.04167	1.05469	-0.17578	-0.35156
							1.01145	0.021403	-0.05387		-0.17578	
							0.988558	0.045817	-0.04574		-0.17578	
							0.979401					
							1.00229					
							1.01374					
							0.979401					
92030				216	45	331.523	0.983979	0.039713	-0.05184	1.23047	-0.17578	-0.35156
							1.01374	0.027506	-0.04777	1.23047	-0.17578	-0.35156
							0.995426	0.041747	-0.0498		-0.35156	
							0.977111	0.035644	-0.04777		-0.35156	
							0.997715					
							1.00229					
							0.986269					
							0.986269					
92031				216	45	337.5	1.00001	0.023437	-0.05387	1.23047	-0.35156	0
							1.02519	0.027506	-0.0498	1.05469	-0.35156	0
							1.00001	0.049886	-0.05998		-0.35156	
							0.970243	0.043782	-0.04167		-0.35156	
							0.974822					
							1.00687					
							1.01374					
							0.965664					
92032	2	37	38	216	45	345.234	0.967954	0.031575	-0.04777	1.05469	-0.35156	0
							1.01374	0.031575	-0.04167	1.05469	-0.35156	-0.35156

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.01832	0.035644	-0.0437		-0.35156	
							0.983979	0.049886	-0.04574		-0.17578	
							0.974822					
							1.00458					
							1.01145					
							0.995426					
92033				216	45	351.211	0.977111	0.045817	-0.04574	1.05469	-0.17578	-0.70312
							0.974822	0.053955	-0.04167	1.05469	-0.17578	-0.70312
							1.00001	0.058024	-0.0376		-0.17578	
							0.997715	0.023437	-0.04777		-0.17578	
							0.979401					
							1.00001					
							1.02519					
							1.02061					
92034				216	45	358.945	0.967954	0.027506	-0.0376	1.05469	-0.17578	-0.35156
							0.958796	0.049886	-0.0376	1.05469	-0.17578	-0.35156
							1.00229	0.041747	-0.0437		0	
							1.02061	0.037679	-0.0498		0	
							1.00916					
							0.990848					
							0.990848					
							1.01374					
92035				216	45	4.92188	1.00001	0.035644	-0.04777	1.05469	0	0
							0.986269	0.025471	-0.03963	1.05469	0	-0.35156
							0.983979	0.045817	-0.03963		0	
							0.986269	0.053955	-0.0376		0	
							0.988558					
							0.993137					
							1.00229					
							1.00001					
92036	2	37	42	216	45	12.3047	1.00001	0.039713	-0.0437	1.05469	0	0
							0.993137	0.037679	-0.03963	1.05469	0	0
							0.979401	0.02954	-0.0437		0	
							0.986269	0.02954	-0.03353		0	
							1.00229					
							1.01145					
							0.986269					
							0.972533					
92037				216	45	17.9297	1.00687	0.031575	-0.0437	1.05469	0	0
							1.02748	0.02954	-0.03556	1.05469	0	0.351562
							0.995426	0.025471	-0.0437		0	
							0.965664	0.017333	-0.04167		0	
							0.98169					
							1.02519					
							1.01603					
							0.977111					
92038				216	45	23.5547	0.98169	0.02954	-0.0437	1.05469	0	0.351562
							1.00687	0.023437	-0.04574	1.05469	0	0.703124
							1.00687	0.017333	-0.04167		0	
							0.988558	0.019368	-0.0437		0	
							0.979401					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00687					
							1.00687					
92039				216	45	28.4766	0.988558	0.007161	-0.0437	1.05469	0	0.703124
							0.983979	0.015299	-0.0437	1.05469	0	1.05469
							0.997715	0.013264	-0.03963		0	
							1.00229	0.001057	-0.03963		-0.17578	
							0.995426					
							0.988558					
							0.997715					
							1.00687					
92040	2	37	46	216	45	34.1016	0.993137	0.009195	-0.0376	1.05469	-0.17578	1.05469
							0.98169	0.01123	-0.04167	1.05469	-0.17578	1.05469
							1.00229	0.013264	-0.04574		-0.17578	
							1.00001	0.009195	-0.0437		-0.17578	
							0.98169					
							0.997715					
							1.00687					
							0.990848					
92041				216	45	38.3203	0.990848	0.01123	-0.04777	1.05469	-0.17578	1.05469
							0.997715	0.015299	-0.05591	1.05469	-0.35156	1.05469
							0.983979	0.017333	-0.0498		-0.35156	
							0.997715	0.015299	-0.05591		-0.35156	
							1.00458					
							0.986269					
							0.990848					
							1.00916					
92042				216	45	43.5938	0.995426	0.013264	-0.05184	1.05469	-0.35156	1.05469
							0.98169	0.021403	-0.05387	1.05469	-0.35156	0.703124
							0.997715	0.025471	-0.05387		-0.52734	
							1.00458	0.027506	-0.05387		-0.52734	
							0.986269					
							0.986269					
							0.993137					
							1.00458					
92043				216	45	50.625	1.00001	0.031575	-0.05184	1.05469	-0.52734	0.703124
							0.988558	0.02954	-0.05184	1.05469	-0.52734	0.703124
							0.995426	0.035644	-0.05184		-0.52734	
							0.993137	0.037679	-0.05591		-0.52734	
							0.995426					
							0.997715					
							0.983979					
							1.00229					
92044	2	37	50	216	45	56.9531	1.01145	0.039713	-0.04574	1.23047	-0.52734	0.703124
							0.979401	0.041747	-0.04777	1.05469	-0.52734	0.351562
							0.986269	0.043782	-0.05184		-0.52734	
							1.00229	0.049886	-0.0498		-0.52734	
							0.990848					
							0.995426					
							1.00001					
							0.995426					
92045				216	45	65.7422	0.990848	0.047851	-0.04777	1.23047	-0.52734	0.351562
							0.993137	0.047851	-0.0437	1.23047	-0.52734	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715	0.055989	-0.0437		-0.35156	
							0.993137	0.049886	-0.04167		-0.35156	
							0.988558					
							1.00001					
							1.00001					
							0.993137					
92046				216	45	73.125	0.997715	0.055989	-0.04777	1.23047	-0.35156	0
							0.995426	0.070231	-0.05184	1.23047	-0.35156	-0.35156
							1.00001	0.066162	-0.0498		-0.35156	
							1.00229	0.058024	-0.0498		-0.35156	
							1.00229					
							0.995426					
							0.997715					
							0.993137					
92047				216	45	82.9688	0.98169	0.064127	-0.04574	1.23047	-0.52734	-0.35156
							0.983979	0.0743	-0.04574	1.23047	-0.52734	-0.35156
							0.977111	0.058024	-0.05184		-0.52734	
							1.00001	0.055989	-0.05184		-0.52734	
							1.01603					
							1.01145					
							0.98169					
							0.967954					
92048	2	37	54	216	45	90	1.01603	0.064127	-0.05998	1.23047	-0.52734	-0.35156
							1.02977	0.066162	-0.0498	1.23047	-0.52734	-0.35156
							0.98169	0.060058	-0.05184		-0.52734	
							0.958796	0.062093	-0.05184		-0.52734	
							0.965664					
							1.01374					
							1.05266					
							1.00916					
92049				216	45	99.4922	0.935903	0.058024	-0.04167	1.23047	-0.52734	-0.35156
							0.940481	0.068196	-0.04777	1.23047	-0.52734	-0.70312
							1.01374	0.084472	-0.0437		-0.52734	
							1.02977	0.066162	-0.04167		-0.52734	
							0.970243					
							0.967954					
							1.00458					
							1.01832					
92050				216	45	106.523	1.01374	0.055989	-0.04167	1.23047	-0.52734	-0.35156
							0.983979	0.060058	-0.0437	1.23047	-0.52734	-0.35156
							0.988558	0.05192	-0.04574		-0.52734	
							1.00916	0.060058	-0.03963		-0.52734	
							0.993137					
							0.986269					
							0.997715					
							0.995426					
92051				216	45	115.312	1.00001	0.062093	-0.0437	1.23047	-0.52734	-0.35156
							1.00229	0.045817	-0.04167	1.23047	-0.52734	-0.35156
							0.997715	0.058024	-0.04574		-0.52734	
							0.979401	0.058024	-0.0437		-0.52734	
							0.979401					
							1.01374					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.02061					
							0.988558					
92052	2	37	58	216	45	121.641	0.967954	0.047851	-0.04167	1.23047	-0.52734	-0.35156
							0.986269	0.060058	-0.04167	1.23047	-0.52734	-0.35156
							1.00916	0.041747	-0.03963		-0.52734	
							1.00916	0.035644	-0.03556		-0.52734	
							1.00458					
							0.983979					
							0.977111					
							0.995426					
92053				216	45	127.969	1.01374	0.039713	-0.03963	1.23047	-0.52734	-0.35156
							1.01145	0.031575	-0.0376	1.23047	-0.52734	-0.35156
							0.986269	0.037679	-0.04574		-0.52734	
							0.972533	0.03361	-0.03963		-0.52734	
							0.995426					
							1.02061					
							1.00916					
							0.963375					
92054				216	45	131.133	0.965664	0.019368	-0.0437	1.23047	-0.52734	-0.35156
							1.00916	0.017333	-0.04777	1.23047	-0.70312	0
							1.03892	0.009195	-0.04574		-0.70312	
							1.00916	0.013264	-0.05387		-0.70312	
							0.94735					
							0.970243					
							1.00916					
							1.03206					
92055				216	45	133.594	1.01374	0.017333	-0.03963	1.23047	-0.52734	0
							0.958796	0.01123	-0.0437	1.23047	-0.52734	0
							0.970243	0.009195	-0.04167		-0.52734	
							1.00458	0.001057	-0.04167		-0.35156	
							1.03892					
							0.997715					
							0.961086					
							0.990848					
92056	2	38	2	216	45	134.648	1.0229	-0.00301	-0.04574	1.23047	-0.35156	0
							1.02061	0.005126	-0.03353	1.23047	0	0
							0.990848	0.009195	-0.04574		0	
							0.954217	0.005126	-0.03353		0.175781	
							0.977111					
							1.0435					
							1.04121					
							0.965664					
92057				216	45	135.703	0.940481	0.001057	-0.03963	1.23047	0.175781	-0.35156
							1.00229	0.01123	-0.0376	1.23047	0.175781	-0.35156
							1.05724	0.007161	-0.03556		0	
							1.00916	0.007161	-0.06201		0	
							0.940481					
							0.956507					
							1.00229					
							1.08471					
92058				216	45	135.703	1.05953	0.005126	-0.05184	1.23047	0	-0.35156
							0.956507	-0.00097	-0.05794	1.23047	0	-0.35156

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.956507	0.001057	-0.05591		-0.17578	
							1.00687	-0.00301	-0.0498		-0.35156	
							1.0435					
							0.995426					
							0.915298					
							0.933613					
92059				216	45	135.352	1.02748	0.003092	-0.04777	1.23047	-0.35156	-0.70312
							1.03663	-0.00097	-0.03963	1.23047	-0.35156	-0.35156
							0.954217	-0.00301	-0.06201		-0.52734	
							0.935903	0.017333	-0.05591		-0.52734	
							1.00916					
							1.07327					
							1.00916					
							0.935903					
92060	2	38	6	216	45	135.352	0.933613	0.007161	-0.06405	1.23047	-0.52734	-0.35156
							1.00458	0.005126	-0.05591	1.23047	-0.52734	-0.35156
							1.05495	0.001057	-0.04167		-0.52734	
							0.983979	0.005126	-0.05184		-0.52734	
							0.929034					
							0.949639					
							1.03892					
							1.05724					
92061				216	45	135.703	0.98169	0.005126	-0.03963	1.23047	-0.52734	-0.35156
							0.933613	-0.00301	-0.05184	1.23047	-0.52734	-0.35156
							0.993137	0.005126	-0.0437		-0.52734	
							1.04808	0.015299	-0.05184		-0.35156	
							1.01145					
							0.958796					
							0.94506					
							1.02061					
92062				212	45	136.055	1.05953	0.01123	-0.04574	1.23047	-0.52734	-0.35156
							0.98169	0.007161	-0.04777	1.23047	-0.52734	0
							0.94277	0.003092	-0.04777		-0.52734	
							0.995426	-0.00301	-0.0498		-0.52734	
							1.02977					
							1.01145					
							0.979401					
							0.979401					
92063				216	45	136.406	1.00458	0.01123	-0.0437	1.23047	-0.52734	-0.35156
							1.00229	0.001057	-0.04574	1.23047	-0.52734	-0.35156
							0.983979	0.001057	-0.0498		-0.52734	
							0.988558	0.007161	-0.03556		-0.52734	
							1.0229					
							1.02061					
							0.94735					
							0.935903					
92064	2	38	10	212	45	137.109	1.02519	-0.00708	-0.05387	1.23047	-0.52734	0
							1.0664	0.001057	-0.04167	1.23047	-0.52734	0
							1.00687	-0.00301	-0.05591		-0.52734	
							0.94735	-0.00301	-0.04574		-0.70312	
							0.956507					
							1.03206					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.04579					
							0.963375					
92065				212	45	137.109	0.922166	-0.00097	-0.05184	1.23047	-0.8789	0
							0.990848	-0.01318	-0.05794	1.23047	-0.8789	0
							1.05953	-0.00097	-0.0437		-0.8789	
							1.02977	-0.00708	-0.05998		-0.8789	
							0.949639					
							0.935903					
							1.00458					
							1.05953					
92066				212	45	136.406	1.00916	-0.00911	-0.04777	1.23047	-0.8789	0
							0.956507	-0.01114	-0.04574	1.23047	-0.8789	0
							0.94506	-0.01521	-0.05184		-0.8789	
							0.988558	-0.00708	-0.04167		-1.05469	
							1.04808					
							1.0229					
							0.94735					
							0.940481					
92067				212	45	134.297	0.990848	-0.00708	-0.05794	1.23047	-1.05469	-0.35156
							1.04579	-0.00504	-0.03963	1.23047	-0.8789	0
							1.03435	-0.01521	-0.05591		-0.8789	
							0.954217	-0.02335	-0.04777		-1.05469	
							0.956507					
							1.0435					
							1.0664					
							0.979401					
92068	2	38	14	212	45	132.891	0.892404	-0.00708	-0.03963	1.23047	-1.05469	-0.35156
							0.931324	-0.00504	-0.05387	1.23047	-0.8789	-0.35156
							1.0435	-0.02132	-0.04574		-0.8789	
							1.09158	-0.01521	-0.05794		-0.8789	
							1.02061					
							0.94277					
							0.935903					
							1.01603					
92069				212	45	131.133	1.05495	-0.00301	-0.04574	1.23047	-0.8789	-0.35156
							0.995426	-0.02335	-0.0498	1.23047	-1.05469	-0.35156
							0.94277	-0.01521	-0.05591		-1.05469	
							0.958796	0.007161	-0.05184		-1.05469	
							1.02519					
							1.03435					
							1.00229					
							0.993137					
92070				212	45	129.727	0.995426	-0.00911	-0.05794	1.23047	-1.05469	-0.35156
							0.997715	-0.01318	-0.04777	1.23047	-1.05469	-0.35156
							0.974822	0.007161	-0.04777		-1.05469	
							0.961086	-0.00911	-0.06201		-1.05469	
							0.990848					
							0.970243					
							0.990848					
							1.02519					
92071				212	45	129.375	1.00229	-0.00911	-0.06201	1.23047	-1.05469	0
							0.963375	-0.01521	-0.07829	1.23047	-1.05469	-0.35156

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.935903	-0.00301	-0.08439		-1.05469	
							1.01145	0.001057	-0.07422		-1.05469	
							1.08929					
							1.00229					
							0.899272					
							0.90843					
92072	2	38	18	212	45	129.023	1.01832	-0.01114	-0.0966	1.23047	-1.23047	-0.35156
							1.04808	-0.00911	-0.08846	1.23047	-1.23047	-0.35156
							0.990848	-0.00504	-0.09863		-1.05469	
							0.94735	-0.00301	-0.08439		-1.23047	
							0.972533					
							1.03435					
							1.01374					
							0.938192					
92073				212	45	128.32	0.90843	0.003092	-0.09456	1.23047	-1.23047	-0.35156
							0.988558	-0.00097	-0.08846	1.23047	-1.05469	-0.35156
							1.05724	-0.00708	-0.09863		-1.05469	
							0.995426	-0.00911	-0.0966		-1.05469	
							0.926745					
							0.988558					
							1.04121					
							0.995426					
92074				212	45	127.266	0.913009	-0.01114	-0.08643	1.23047	-1.05469	-0.35156
							0.94735	-0.00504	-0.09456	1.23047	-1.05469	-0.35156
							1.05953	-0.01114	-0.08236		-1.05469	
							1.07555	-0.00708	-0.0966		-1.05469	
							0.94735					
							0.899272					
							0.974822					
							1.05495					
92075				212	45	126.211	1.01603	-0.01114	-0.06812	1.23047	-1.05469	-0.35156
							0.94735	-0.02945	-0.07625	1.23047	-1.05469	0
							0.922166	-0.03759	-0.07829		-1.23047	
							1.00458	-0.01114	-0.05794		-1.05469	
							1.07327					
							1.00229					
							0.949639					
							0.94735					
92076	2	38	22	212	45	124.102	1.01145	-0.01725	-0.07218	1.23047	-1.05469	-0.35156
							1.08013	-0.03556	-0.07015	1.23047	-1.05469	-0.35156
							1.02519	-0.04166	-0.05998		-1.05469	
							0.958796	-0.02335	-0.04777		-1.05469	
							0.974822					
							0.958796					
							0.954217					
							0.990848					
92077				208	45	121.992	1.03663	-0.03963	-0.05184	1.23047	-1.05469	-0.35156
							0.997715	-0.04573	-0.05184	1.23047	-1.05469	0
							1.00687	-0.0559	-0.04777		-0.8789	
							1.01374	-0.0498	-0.04777		-0.8789	
							0.990848					
							0.983979					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.997715					
92078				208	45	117.422	1.00229	-0.05183	-0.04777	1.23047	-1.05469	0
							0.995426	-0.06201	-0.05184	1.23047	-1.05469	0
							0.983979	-0.06811	-0.0498		-0.8789	
							1.00229	-0.07014	-0.05184		-1.05469	
							1.01374					
							0.988558					
							0.972533					
							1.00687					
92079				208	45	111.797	1.00229	-0.08032	-0.0498	1.23047	-1.05469	0
							0.979401	-0.08439	-0.05387	1.23047	-1.05469	0.351562
							0.977111	-0.08439	-0.04574		-1.05469	
							1.00458	-0.09456	-0.05591		-1.05469	
							1.01603					
							0.967954					
							0.974822					
							1.01832					
92080	2	38	26	208	45	104.062	1.02519	-0.09863	-0.05184	1.23047	-1.05469	0.351562
							0.990848	-0.1027	-0.05184	1.23047	-1.23047	0.703124
							0.965664	-0.10473	-0.05387		-1.23047	
							0.98169	-0.11084	-0.0498		-1.05469	
							0.995426					
							1.00916					
							0.997715					
							0.98169					
92081				208	45	97.0312	0.951928	-0.12101	-0.05387	1.23047	-1.05469	0.703124
							0.995426	-0.12101	-0.04167	1.23047	-1.05469	0.703124
							1.05495	-0.12915	-0.0437		-1.05469	
							0.990848	-0.1149	-0.0498		-0.8789	
							0.94506					
							0.98169					
							1.02519					
							1.02748					
92082				208	45	87.1875	0.983979	-0.12101	-0.04777	1.23047	-0.8789	0.703124
							0.977111	-0.12915	-0.05591	1.23047	-0.8789	0.351562
							1.01145	-0.12101	-0.03963		-0.8789	
							1.03663	-0.1149	-0.05387		-0.8789	
							0.988558					
							0.917587					
							0.974822					
							1.05266					
92083				208	45	79.4531	1.04808	-0.11694	-0.05184	1.23047	-0.8789	0.703124
							0.986269	-0.11897	-0.0437	1.23047	-0.8789	0.703124
							0.940481	-0.11897	-0.0498		-0.8789	
							0.963375	-0.12508	-0.04574		-0.70312	
							1.00458					
							1.02748					
							1.00687					
							0.974822					
92084	2	38	30	208	45	69.9609	0.993137	-0.12915	-0.04777	1.23047	-0.70312	1.05469
							1.00916	-0.1149	-0.04574	1.23047	-0.70312	1.05469

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.98169	-0.1149	-0.0498		-0.70312	
							0.979401	-0.12915	-0.0498		-0.70312	
							1.00229					
							1.01832					
							1.00916					
							0.98169					
92085				208	45	62.9297	0.98169	-0.11694	-0.04574	1.23047	-0.52734	0.703124
							0.990848	-0.10677	-0.04574	1.23047	-0.70312	0.703124
							0.997715	-0.11084	-0.05184		-0.70312	
							0.993137	-0.10677	-0.04777		-0.52734	
							0.972533					
							1.00916					
							1.0229					
							0.990848					
92086				208	45	54.4922	0.977111	-0.11084	-0.0498	1.23047	-0.52734	0.703124
							0.986269	-0.10473	-0.04777	1.23047	-0.52734	0.703124
							1.00229	-0.09863	-0.0498		-0.52734	
							0.997715	-0.09659	-0.0498		-0.52734	
							0.995426					
							0.990848					
							0.990848					
							1.00001					
92087				208	45	48.8672	0.995426	-0.09252	-0.04777	1.23047	-0.52734	0.703124
							0.974822	-0.08846	-0.0498	1.23047	-0.52734	1.05469
							0.988558	-0.09049	-0.0498		-0.35156	
							1.01603	-0.08439	-0.0498		-0.35156	
							1.00458					
							0.979401					
							0.977111					
							1.00229					
92088	2	38	34	208	45	43.2422	1.01832	-0.07625	-0.0498	1.23047	-0.35156	1.05469
							0.995426	-0.07421	-0.05184	1.23047	-0.35156	1.05469
							0.974822	-0.06201	-0.05184		-0.35156	
							0.993137	-0.05794	-0.05184		-0.35156	
							1.00458					
							0.988558					
							0.983979					
							1.00001					
92089				208	45	40.0781	1.01145	-0.05387	-0.04777	1.23047	-0.35156	1.05469
							0.98169	-0.05183	-0.05591	1.23047	-0.35156	1.05469
							0.983979	-0.05183	-0.05184		-0.35156	
							1.01832	-0.04166	-0.05184		-0.35156	
							1.00229					
							0.983979					
							0.995426					
							0.997715					
92090				208	45	38.3203	0.993137	-0.03352	-0.05387	1.23047	-0.35156	0.703124
							0.990848	-0.02539	-0.05794	1.23047	-0.35156	0.703124
							0.995426	-0.01928	-0.0498		-0.35156	
							0.990848	-0.02335	-0.0437		-0.35156	
							0.993137					
							0.990848					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.970243					
							0.979401					
92091				208	45	37.2656	1.01374	-0.02539	-0.04777	1.23047	-0.35156	0.703124
							1.00916	-0.01725	-0.04574	1.23047	-0.35156	0.703124
							0.979401	-0.00911	-0.0498		-0.35156	
							0.993137	-0.02132	-0.0498		-0.35156	
							1.01145					
							1.00458					
							1.00687					
							0.995426					
92092	2	38	38	208	45	37.2656	0.986269	-0.02132	-0.0498	1.23047	-0.35156	1.05469
							0.993137	-0.01318	-0.04574	1.23047	-0.35156	1.05469
							1.00001	-0.01521	-0.04777		-0.35156	
							0.979401	-0.02335	-0.04574		-0.35156	
							0.995426					
							1.00916					
							0.979401					
							0.986269					
92093				208	45	37.6172	1.00229	-0.01521	-0.04777	1.23047	-0.35156	1.05469
							1.00458	-0.01521	-0.05184	1.23047	-0.35156	1.05469
							1.00229	-0.02742	-0.0498		-0.35156	
							1.00229	-0.02335	-0.0498		-0.35156	
							0.993137					
							0.983979					
							0.990848					
							0.997715					
92094				208	45	37.6172	0.986269	-0.02335	-0.04777	1.23047	-0.35156	1.05469
							0.997715	-0.02539	-0.04574	1.23047	-0.35156	1.05469
							1.00229	-0.02132	-0.04777		-0.35156	
							0.983979	-0.02132	-0.0498		-0.35156	
							0.988558					
							1.00458					
							0.995426					
							0.995426					
92095				208	45	37.2656	1.00001	-0.02132	-0.04777	1.23047	-0.35156	0.703124
							0.993137	-0.01928	-0.04777	1.23047	-0.35156	0.703124
							0.988558	-0.01928	-0.0498		-0.35156	
							0.993137	-0.02539	-0.04777		-0.35156	
							1.00229					
							0.997715					
							0.997715					
							0.988558					
92096	2	38	42	208	45	37.2656	0.993137	-0.02335	-0.0498	1.23047	-0.35156	0.703124
							1.00229	-0.01521	-0.0498	1.23047	-0.35156	0.703124
							0.995426	-0.01725	-0.0498		-0.35156	
							0.986269	-0.01725	-0.05184		-0.35156	
							0.995426					
							1.00229					
							0.990848					
							0.993137					
92097				208	45	36.9141	1.00229	-0.01318	-0.05184	1.23047	-0.35156	0.703124
							0.995426	-0.00708	-0.05387	1.23047	-0.35156	0.351562

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.00708	-0.0498		-0.35156	
							0.993137	-0.00911	-0.0498		-0.35156	
							0.990848					
							0.993137					
							0.997715					
							0.990848					
92098				208	45	37.2656	0.997715	-0.00301	-0.0498	1.23047	-0.35156	0.703124
							0.997715	-0.00097	-0.0498	1.23047	-0.35156	0.703124
							0.979401	-0.00708	-0.04574		-0.35156	
							0.988558	-0.00911	-0.04574		-0.35156	
							1.00916					
							1.00229					
							0.98169					
							0.993137					
92099				208	45	38.3203	1.00229	-0.00708	-0.0498	1.23047	-0.35156	0.703124
							0.997715	-0.01114	-0.04777	1.23047	-0.35156	0.703124
							0.990848	-0.01318	-0.05184		-0.35156	
							0.993137	-0.00708	-0.0498		-0.35156	
							0.997715					
							1.00001					
							0.995426					
							0.993137					
92100	2	38	46	208	45	38.3203	0.988558	-0.00911	-0.0498	1.23047	-0.35156	0.703124
							0.993137	-0.00708	-0.0498	1.23047	-0.35156	0.351562
							0.993137	-0.00911	-0.0498		-0.35156	
							0.997715	-0.00911	-0.0498		-0.35156	
							1.00001					
							0.995426					
							0.997715					
							0.986269					
92101				208	45	38.6719	0.974822	-0.00708	-0.0498	1.23047	-0.35156	0.351562
							0.997715	-0.00708	-0.04777	1.23047	-0.35156	0.703124
							1.01374	-0.00301	-0.0498		-0.35156	
							0.990848	-0.01114	-0.0498		-0.35156	
							0.983979					
							1.00229					
							1.00229					
							0.993137					
92102				208	45	39.0234	0.995426	-0.01114	-0.0498	1.23047	-0.35156	0.703124
							0.993137	-0.00301	-0.0498	1.23047	-0.35156	0.703124
							0.997715	-0.00708	-0.04777		-0.35156	
							0.997715	-0.01114	-0.04777		-0.35156	
							0.979401					
							0.995426					
							1.00458					
							0.983979					
92103				204	45	39.375	0.997715	-0.00504	-0.04777	1.23047	-0.35156	0.703124
							1.00916	-0.00911	-0.0498	1.23047	-0.35156	0.703124
							0.983979	-0.00911	-0.04777		-0.35156	
							0.993137	-0.00301	-0.04574		-0.35156	
							0.993137					
							0.98169					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00001					
							1.00458					
92104	2	38	50	204	45	39.7266	0.983979	-0.00911	-0.04777	1.23047	-0.35156	0.703124
							1.00458	-0.01725	-0.04777	1.23047	-0.35156	0.703124
							1.01374	-0.01521	-0.04574		-0.35156	
							0.993137	-0.01725	-0.0498		-0.35156	
							0.993137					
							0.995426					
							0.990848					
							1.00229					
92105				204	45	40.0781	0.995426	-0.01725	-0.04574	1.23047	-0.35156	0.703124
							0.979401	-0.01521	-0.04777	1.23047	-0.35156	0.703124
							0.995426	-0.01725	-0.04777		-0.35156	
							1.00687	-0.01725	-0.05184		-0.35156	
							0.988558					
							0.983979					
							1.00229					
							1.00916					
92106				204	45	39.7266	0.997715	-0.01928	-0.0498	1.23047	-0.35156	0.703124
							0.993137	-0.02335	-0.04777	1.23047	-0.35156	0.703124
							0.986269	-0.01114	-0.0498		-0.35156	
							0.977111	-0.01521	-0.04777		-0.35156	
							0.986269					
							1.00458					
							1.00229					
							0.988558					
92107				204	45	39.7266	1.00001	-0.02132	-0.0498	1.23047	-0.35156	0.703124
							0.995426	-0.01114	-0.0498	1.23047	-0.35156	0.703124
							0.986269	-0.01725	-0.04777		-0.35156	
							0.997715	-0.02132	-0.04777		-0.35156	
							0.995426					
							0.986269					
							1.00458					
							0.997715					
92108	2	38	54	204	45	39.375	0.983979	-0.01928	-0.0498	1.23047	-0.35156	1.05469
							1.00687	-0.02742	-0.04777	1.23047	-0.35156	1.05469
							1.00687	-0.02132	-0.0437		-0.35156	
							0.98169	-0.02539	-0.05184		-0.52734	
							0.997715					
							0.993137					
							0.977111					
							1.01145					
92109				204	45	39.0234	1.01374	-0.02945	-0.0498	1.23047	-0.52734	1.05469
							0.977111	-0.02945	-0.0498	1.23047	-0.52734	0.703124
							0.974822	-0.01725	-0.04574		-0.52734	
							1.00458	-0.01521	-0.04777		-0.52734	
							1.00687					
							0.990848					
							0.986269					
							1.00687					
92110				208	45	39.0234	1.00687	-0.02335	-0.04574	1.23047	-0.52734	0.703124
							0.977111	-0.01928	-0.0498	1.23047	-0.35156	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.993137	-0.01318	-0.04777		-0.35156	
							1.00458	-0.02335	-0.0498		-0.52734	
							0.995426					
							0.995426					
							0.993137					
							0.997715					
92111				204	45	39.0234	1.00229	-0.02132	-0.04574	1.23047	-0.35156	0.703124
							0.990848	-0.02132	-0.04777	1.23047	-0.35156	0.703124
							0.995426	-0.01725	-0.04777		-0.52734	
							0.997715	-0.02132	-0.0498		-0.52734	
							0.988558					
							0.997715					
							1.00001					
							0.988558					
92112	2	38	58	204	45	38.6719	1.00001	-0.01928	-0.0498	1.23047	-0.52734	0.703124
							1.00001	-0.01928	-0.04777	1.23047	-0.52734	0.703124
							0.983979	-0.02335	-0.0498		-0.52734	
							0.98169	-0.02335	-0.04574		-0.35156	
							0.997715					
							1.01145					
							1.00001					
							0.988558					
92113				204	45	38.6719	0.995426	-0.02539	-0.04574	1.23047	-0.35156	0.703124
							0.995426	-0.01928	-0.04777	1.23047	-0.35156	0.703124
							0.990848	-0.02132	-0.04777		-0.35156	
							1.00001	-0.02335	-0.0498		-0.35156	
							1.00001					
							0.986269					
							0.997715					
							1.00458					
92114				204	45	38.3203	1.00001	-0.02132	-0.0498	1.23047	-0.35156	0.703124
							0.983979	-0.01928	-0.05184	1.23047	-0.52734	0.703124
							0.986269	-0.01928	-0.0498		-0.52734	
							1.00458	-0.02132	-0.0498		-0.52734	
							0.997715					
							0.983979					
							0.988558					
							0.995426					
92115				204	45	37.9688	0.995426	-0.01725	-0.0498	1.23047	-0.52734	0.703124
							0.995426	-0.02132	-0.0498	1.23047	-0.52734	1.05469
							0.993137	-0.02539	-0.0498		-0.52734	
							1.00687	-0.02132	-0.0498		-0.52734	
							0.995426					
							0.986269					
							0.983979					
							0.995426					
92116	2	39	2	204	45	37.9688	1.00687	-0.01521	-0.0498	1.23047	-0.52734	0.703124
							1.00229	-0.01318	-0.0498	1.23047	-0.52734	0.703124
							0.986269	-0.01318	-0.04777		-0.52734	
							0.990848	-0.01114	-0.0498		-0.52734	
							0.995426					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715					
							1.00001					
92117				204	45	38.3203	0.993137	-0.01521	-0.04777	1.23047	-0.52734	1.05469
							0.990848	-0.01318	-0.04777	1.23047	-0.52734	1.05469
							0.990848	-0.01521	-0.04777		-0.52734	
							1.00001	-0.01928	-0.04574		-0.52734	
							1.00229					
							0.997715					
							0.986269					
							0.983979					
92118				204	45	38.6719	0.993137	-0.01521	-0.04574	1.23047	-0.52734	1.05469
							0.997715	-0.01928	-0.04777	1.23047	-0.52734	0.703124
							1.00001	-0.01521	-0.0498		-0.52734	
							1.00001	-0.01725	-0.04777		-0.52734	
							0.997715					
							0.990848					
							0.990848					
							0.997715					
92119				204	45	38.6719	0.997715	-0.02335	-0.0498	1.23047	-0.52734	0.703124
							1.00001	-0.01725	-0.0498	1.23047	-0.52734	0.703124
							0.995426	-0.01318	-0.05184		-0.52734	
							0.990848	-0.01725	-0.04777		-0.52734	
							0.988558					
							1.00001					
							0.997715					
							0.979401					
92120	2	39	6	204	45	38.6719	0.98169	-0.01521	-0.04777	1.23047	-0.52734	0.703124
							0.997715	-0.00911	-0.04777	1.23047	-0.52734	0.703124
							1.00458	-0.01114	-0.05387		-0.52734	
							0.990848	-0.01318	-0.04777		-0.52734	
							0.988558					
							1.01374					
							0.997715					
							0.974822					
92121				204	45	39.0234	0.983979	-0.00708	-0.0498	1.23047	-0.52734	0.703124
							1.00916	-0.01114	-0.0498	1.23047	-0.52734	0.703124
							1.00458	-0.00708	-0.04777		-0.52734	
							0.988558	-0.01114	-0.04777		-0.52734	
							0.988558					
							0.988558					
							0.993137					
							1.00687					
92122				204	45	39.375	1.00458	-0.01928	-0.0498	1.23047	-0.52734	1.05469
							1.00001	-0.01928	-0.04777	1.23047	-0.52734	0.703124
							0.979401	-0.01114	-0.0498		-0.52734	
							0.977111	-0.01318	-0.04777		-0.52734	
							1.01374					
							1.01832					
							0.98169					
							0.967954					
92123				204	45	39.375	0.997715	-0.01318	-0.05184	1.23047	-0.52734	0.703124
							1.01603	-0.01318	-0.04574	1.23047	-0.52734	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848	-0.01521	-0.0498		-0.52734	
							0.974822	-0.01725	-0.04574		-0.52734	
							0.993137					
							1.01374					
							1.00229					
							0.979401					
92124	2	39	10	204	45	39.375	0.990848	-0.01318	-0.05184	1.23047	-0.52734	0.703124
							1.01374	-0.01725	-0.04574	1.23047	-0.52734	0.703124
							1.00687	-0.02132	-0.0498		-0.52734	
							0.98169	-0.01725	-0.04777		-0.52734	
							0.979401					
							1.00229					
							1.00001					
							0.988558					
92125				204	45	39.7266	0.993137	-0.01928	-0.0498	1.23047	-0.52734	1.05469
							1.00229	-0.01928	-0.0498	1.23047	-0.52734	1.05469
							1.00687	-0.01725	-0.0498		-0.52734	
							0.983979	-0.01725	-0.05184		-0.52734	
							0.983979					
							1.00458					
							1.00229					
							0.995426					
92126				204	45	39.7266	0.979401	-0.01725	-0.0498	1.23047	-0.52734	0.703124
							0.986269	-0.01318	-0.0498	1.23047	-0.52734	0.703124
							1.00001	-0.01318	-0.04777		-0.52734	
							0.995426	-0.01318	-0.04574		-0.52734	
							0.995426					
							0.995426					
							0.995426					
							0.983979					
92127				204	45	39.7266	0.993137	-0.01521	-0.0498	1.23047	-0.52734	0.703124
							1.00687	-0.01725	-0.04574	1.23047	-0.52734	0.703124
							0.990848	-0.02132	-0.0498		-0.52734	
							0.98169	-0.02539	-0.04574		-0.52734	
							1.00229					
							1.00916					
							0.988558					
							0.974822					
92128	2	39	14	204	45	39.7266	1.00229	-0.01725	-0.05387	1.23047	-0.52734	1.05469
							1.02748	-0.02132	-0.04777	1.23047	-0.52734	1.05469
							1.01145	-0.02945	-0.05387		-0.70312	
							0.970243	-0.01928	-0.0498		-0.70312	
							0.956507					
							0.997715					
							1.01832					
							0.997715					
92129				204	45	39.375	0.970243	-0.02335	-0.04777	1.23047	-0.70312	1.05469
							0.98169	-0.02742	-0.04777	1.23047	-0.70312	1.05469
							1.00916	-0.02539	-0.04777		-0.52734	
							1.00229	-0.01928	-0.0498		-0.52734	
							0.979401					
							0.983979					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.01374					
							1.01145					
92130				200	45	39.375	1.00001	-0.02335	-0.04777	1.23047	-0.52734	1.05469
							0.988558	-0.03149	-0.0498	1.23047	-0.52734	0.703124
							0.983979	-0.02539	-0.04777		-0.52734	
							0.997715	-0.02335	-0.0498		-0.52734	
							0.988558					
							0.988558					
							0.997715					
							1.00458					
92131				204	45	39.0234	0.997715	-0.02335	-0.04777	1.23047	-0.52734	1.05469
							0.979401	-0.02132	-0.05184	1.23047	-0.52734	1.05469
							0.995426	-0.02539	-0.04574		-0.52734	
							1.01145	-0.02539	-0.05387		-0.52734	
							0.995426					
							0.972533					
							0.990848					
							1.02061					
92132	2	39	18	200	45	38.6719	1.00229	-0.02742	-0.04777	1.23047	-0.52734	1.05469
							0.974822	-0.02742	-0.05184	1.23047	-0.52734	0.703124
							0.977111	-0.02335	-0.0498		-0.70312	
							1.00916	-0.02132	-0.05184		-0.70312	
							1.00458					
							0.98169					
							0.986269					
							1.00458					
92133				200	45	38.3203	1.00229	-0.02335	-0.04777	1.23047	-0.70312	0.703124
							0.979401	-0.01928	-0.05184	1.23047	-0.70312	0.703124
							0.98169	-0.01928	-0.04777		-0.70312	
							1.00687	-0.02132	-0.04777		-0.70312	
							1.01145					
							0.979401					
							0.970243					
							1.00229					
92134				200	45	38.3203	1.01374	-0.02132	-0.0498	1.23047	-0.70312	1.05469
							1.00458	-0.02132	-0.0498	1.23047	-0.70312	1.05469
							0.983979	-0.01928	-0.05387		-0.70312	
							0.990848	-0.02132	-0.0498		-0.70312	
							1.00916					
							1.00916					
							0.986269					
							0.979401					
92135				200	45	38.3203	0.986269	-0.01928	-0.05184	1.23047	-0.70312	0.703124
							0.997715	-0.01725	-0.0498	1.23047	-0.70312	0.703124
							1.00916	-0.01928	-0.05184		-0.70312	
							0.993137	-0.02132	-0.05184		-0.70312	
							0.983979					
							1.00001					
							1.00229					
							0.988558					
92136	2	39	22	200	45	38.3203	0.988558	-0.01725	-0.05387	1.23047	-0.70312	0.703124
							0.997715	-0.01928	-0.05184	1.23047	-0.70312	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00229	-0.02132	-0.05387		-0.70312	
							0.983979	-0.01928	-0.05184		-0.70312	
							0.98169					
							1.00001					
							1.01374					
							0.995426					
92137				200	45	37.9688	0.986269	-0.02132	-0.05184	1.23047	-0.70312	0.703124
							0.986269	-0.01725	-0.05387	1.23047	-0.70312	1.05469
							0.997715	-0.02132	-0.05184		-0.70312	
							1.00687	-0.02132	-0.05387		-0.70312	
							0.995426					
							0.986269					
							0.986269					
							0.990848					
92138				200	45	37.9688	1.00458	-0.01114	-0.05387	1.23047	-0.70312	0.703124
							1.00001	-0.00911	-0.05387	1.23047	-0.70312	0.703124
							0.979401	-0.01521	-0.05387		-0.70312	
							0.986269	-0.00911	-0.05387		-0.70312	
							0.995426					
							0.993137					
							0.995426					
							0.993137					
92139				200	45	38.3203	0.993137	-0.01318	-0.05387	1.23047	-0.70312	1.05469
							0.993137	-0.01318	-0.05184	1.23047	-0.70312	1.05469
							0.990848	-0.01318	-0.05184		-0.70312	
							0.993137	-0.02335	-0.05184		-0.70312	
							1.00229					
							1.00229					
							1.00458					
							0.993137					
92140	2	39	26	200	45	38.6719	0.979401	-0.02335	-0.0498	1.23047	-0.70312	1.05469
							0.983979	-0.01725	-0.05387	1.23047	-0.70312	1.40625
							1.00916	-0.02539	-0.0498		-0.70312	
							1.01832	-0.02742	-0.05184		-0.70312	
							0.993137					
							0.974822					
							0.98169					
							1.00458					
92141				200	45	38.6719	1.00687	-0.01725	-0.0498	1.23047	-0.70312	1.05469
							0.995426	-0.02945	-0.05184	1.23047	-0.70312	1.05469
							0.986269	-0.02945	-0.05387		-0.70312	
							0.990848	-0.02539	-0.05387		-0.70312	
							1.00458					
							1.00229					
							0.993137					
							1.00001					
92142				200	45	37.9688	1.00458	-0.02539	-0.05591	1.23047	-0.70312	1.05469
							0.993137	-0.02539	-0.05184	1.23047	-0.70312	0.703124
							0.972533	-0.01725	-0.05387		-0.70312	
							0.965664	-0.02335	-0.05184		-0.70312	
							0.993137					
							1.01145					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00458					
							0.983979					
92143				196	45	37.9688	0.990848	-0.03149	-0.05184	1.23047	-0.70312	1.05469
							1.00001	-0.02335	-0.0498	1.23047	-0.70312	1.05469
							1.00001	-0.02335	-0.05184		-0.70312	
							0.993137	-0.02539	-0.05387		-0.70312	
							0.986269					
							0.995426					
							1.00687					
							1.00001					
92144	2	39	30	196	45	37.9688	0.993137	-0.01928	-0.05387	1.23047	-0.70312	0.703124
							0.993137	-0.01725	-0.05184	1.23047	-0.70312	0.703124
							1.00001	-0.01521	-0.05184		-0.70312	
							0.997715	-0.01521	-0.05387		-0.70312	
							0.983979					
							0.977111					
							0.993137					
							1.00687					
92145				196	45	37.9688	0.997715	-0.00911	-0.05184	1.23047	-0.70312	0.703124
							0.988558	-0.01318	-0.05387	1.23047	-0.70312	0.703124
							0.988558	-0.01725	-0.05184		-0.70312	
							1.00687	-0.02132	-0.05387		-0.70312	
							1.00229					
							0.990848					
							0.993137					
							0.990848					
92146				196	45	37.9688	0.990848	-0.01928	-0.05184	1.23047	-0.70312	0.703124
							0.993137	-0.01521	-0.05184	1.23047	-0.70312	0.703124
							0.986269	-0.01725	-0.05184		-0.8789	
							0.990848	-0.02335	-0.05184		-0.70312	
							1.00458					
							0.993137					
							0.974822					
							0.986269					
92147				196	45	37.9688	1.01603	-0.02132	-0.05184	1.23047	-0.8789	0.703124
							1.01603	-0.02742	-0.0498	1.23047	-0.70312	0.703124
							0.98169	-0.02945	-0.05387		-0.70312	
							0.98169	-0.02335	-0.0498		-0.70312	
							1.00916					
							1.00687					
							0.977111					
							0.979401					
92148	2	39	34	196	45	37.2656	1.00458	-0.02335	-0.05387	1.23047	-0.70312	0.703124
							1.01374	-0.02945	-0.05184	1.23047	-0.70312	0.703124
							1.00001	-0.02539	-0.05184		-0.70312	
							0.979401	-0.02335	-0.05184		-0.70312	
							0.983979					
							1.00001					
							1.00687					
							0.993137					
92149				196	45	37.2656	0.974822	-0.02132	-0.04777	1.23047	-0.70312	1.05469
							0.983979	-0.02335	-0.05387	1.23047	-0.70312	1.05469

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.02061	-0.02335	-0.05184		-0.70312	
							1.01832	-0.01318	-0.05387		-0.52734	
							0.990848					
							0.974822					
							0.995426					
							1.01603					
92150				196	45	37.2656	1.00001	-0.01521	-0.05184	1.23047	-0.52734	1.05469
							0.983979	-0.01928	-0.05591	1.23047	-0.52734	1.05469
							1.00001	-0.01318	-0.05387		-0.52734	
							1.00916	-0.00911	-0.05387		-0.70312	
							0.993137					
							0.983979					
							0.993137					
							0.990848					
92151				196	45	37.6172	0.98169	-0.00097	-0.05184	1.23047	-0.70312	0.703124
							0.979401	0.001057	-0.0498	1.23047	-0.70312	0.703124
							0.993137	0.001057	-0.05387		-0.70312	
							0.995426	-0.00504	-0.05184		-0.52734	
							1.00229					
							1.01145					
							1.00001					
							0.983979					
92152	2	39	38	196	45	38.6719	0.997715	-0.00301	-0.05387	1.23047	-0.52734	0.703124
							1.00458	-0.00097	-0.0498	1.23047	-0.52734	0.703124
							0.986269	-0.00097	-0.05184		-0.52734	
							0.979401	-0.00708	-0.0498		-0.52734	
							0.995426					
							1.00001					
							1.00229					
							0.997715					
92153				196	45	39.375	0.997715	-0.00911	-0.04777	1.23047	-0.52734	0.703124
							0.986269	-0.00911	-0.05184	1.23047	-0.52734	0.703124
							0.979401	-0.01114	-0.05184		-0.52734	
							1.00687	-0.01521	-0.05387		-0.52734	
							1.01832					
							0.990848					
							0.98169					
							1.00001					
92154				196	45	39.375	1.00916	-0.01725	-0.0498	1.23047	-0.52734	0.703124
							0.986269	-0.01521	-0.0498	1.23047	-0.52734	0.703124
							0.974822	-0.02335	-0.05387		-0.35156	
							0.995426	-0.01725	-0.05184		-0.35156	
							1.01374					
							1.00458					
							0.983979					
							0.983979					
92155				192	45	39.375	1.00458	-0.01114	-0.05184	1.23047	-0.35156	0.703124
							1.00687	-0.01725	-0.05184	1.23047	-0.35156	0.703124
							0.995426	-0.01114	-0.05184		-0.35156	
							0.977111	-0.01114	-0.0498		-0.52734	
							0.988558					
							1.00001					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.993137					
							0.983979					
92156	2	39	42	192	45	39.7266	0.993137	-0.01928	-0.05184	1.23047	-0.52734	0.703124
							0.997715	-0.01521	-0.05184	1.23047	-0.52734	0.703124
							0.997715	-0.01318	-0.05387		-0.35156	
							0.990848	-0.01725	-0.0498		-0.35156	
							0.997715					
							1.00458					
							0.997715					
							0.974822					
92157				196	45	39.7266	0.983979	-0.01318	-0.05184	1.23047	-0.52734	0.703124
							1.00229	-0.01521	-0.05184	1.23047	-0.52734	0.703124
							1.01145	-0.01521	-0.0498		-0.35156	
							1.00458	-0.01725	-0.05184		-0.35156	
							0.979401					
							0.988558					
							1.02061					
							1.00687					
92158				192	45	39.7266	0.970243	-0.01725	-0.05184	1.23047	-0.35156	0.703124
							0.979401	-0.01318	-0.05387	1.23047	-0.35156	0.703124
							1.00916	-0.01725	-0.05184		-0.35156	
							1.01603	-0.01521	-0.05387		-0.35156	
							0.98169					
							0.979401					
							1.00458					
							1.00458					
92159				192	45	39.7266	0.988558	-0.01521	-0.05387	1.23047	-0.35156	0.703124
							0.990848	-0.01928	-0.05387	1.05469	-0.35156	0.703124
							1.00001	-0.01521	-0.05387		-0.35156	
							0.995426	-0.02132	-0.05387		-0.52734	
							0.977111					
							0.995426					
							1.00458					
							0.988558					
92160	2	39	46	192	45	39.7266	0.977111	-0.02132	-0.05591	1.05469	-0.35156	0.703124
							0.990848	-0.01725	-0.05591	1.23047	-0.35156	1.05469
							1.01374	-0.02742	-0.05387		-0.35156	
							1.01832	-0.02945	-0.05794		-0.35156	
							0.993137					
							0.979401					
							0.986269					
							1.00458					
92161				192	45	39.375	1.00001	-0.02335	-0.05591	1.05469	-0.35156	1.05469
							0.98169	-0.03149	-0.05998	1.23047	-0.52734	1.05469
							0.995426	-0.02539	-0.06201		-0.52734	
							0.997715	-0.02335	-0.06201		-0.35156	
							0.993137					
							0.995426					
							0.990848					
							0.988558					
92162				192	45	39.375	0.995426	-0.01928	-0.06405	1.23047	-0.35156	1.05469
							0.990848	-0.01725	-0.06608	1.23047	-0.35156	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.01318	-0.06608		-0.35156	
							0.990848	-0.01114	-0.06405		-0.35156	
							0.995426					
							1.00001					
							1.00001					
							0.995426					
92163				192	45	39.7266	0.983979	-0.01521	-0.06405	1.23047	-0.52734	1.05469
							0.986269	-0.01521	-0.06405	1.05469	-0.35156	1.05469
							0.997715	-0.01521	-0.05794		-0.35156	
							1.00458	-0.01928	-0.05794		-0.35156	
							0.990848					
							0.98169					
							1.00687					
							1.00687					
92164	2	39	50	192	45	39.7266	0.988558	-0.02132	-0.05998	1.23047	-0.35156	1.05469
							0.98169	-0.01928	-0.05998	1.05469	-0.35156	1.05469
							0.995426	-0.02132	-0.05591		-0.35156	
							1.00001	-0.02132	-0.05998		-0.52734	
							0.988558					
							0.979401					
							1.00458					
							1.01603					
92165				192	45	39.375	0.995426	-0.02539	-0.05591	1.05469	-0.52734	1.05469
							0.965664	-0.02539	-0.05998	1.23047	-0.52734	1.05469
							0.972533	-0.01725	-0.06201		-0.52734	
							0.997715	-0.02132	-0.06405		-0.52734	
							1.01374					
							1.00687					
							0.98169					
							0.986269					
92166				192	45	39.375	1.00458	-0.02742	-0.06812	1.05469	-0.35156	1.05469
							1.00458	-0.02132	-0.07015	1.23047	-0.52734	1.05469
							1.00001	-0.01725	-0.06608		-0.52734	
							0.997715	-0.01928	-0.06608		-0.52734	
							0.986269					
							0.979401					
							0.995426					
							1.00229					
92167				192	45	39.375	0.986269	-0.01928	-0.06608	1.23047	-0.52734	1.05469
							0.98169	-0.01928	-0.06608	1.05469	-0.52734	0.703124
							0.997715	-0.02335	-0.06608		-0.52734	
							1.00001	-0.01928	-0.06608		-0.35156	
							1.00916					
							0.993137					
							0.977111					
							0.98169					
92168	2	39	54	192	45	39.375	1.01145	-0.00504	-0.07218	1.05469	-0.35156	0.703124
							1.02061	-0.01114	-0.06812	1.23047	-0.35156	0.703124
							1.00001	-0.01114	-0.07218		-0.35156	
							0.967954	-0.01521	-0.07015		-0.35156	
							0.972533					
							1.01145					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.02977					
							0.995426					
92169				192	45	39.375	0.961086	-0.02539	-0.07015	1.23047	-0.35156	1.05469
							0.977111	-0.01521	-0.06812	1.05469	-0.35156	0.703124
							1.00916	-0.01725	-0.06812		-0.35156	
							1.00687	-0.01928	-0.06405		-0.35156	
							0.98169					
							0.986269					
							1.01603					
							0.990848					
92170				192	45	39.7266	0.967954	-0.01725	-0.05998	1.05469	-0.35156	0.703124
							1.00001	-0.01725	-0.05387	1.05469	-0.35156	0.703124
							1.02061	-0.02335	-0.05591		-0.35156	
							0.997715	-0.02742	-0.05794		-0.35156	
							0.983979					
							0.986269					
							0.997715					
							1.00229					
92171				192	45	39.375	1.00458	-0.02539	-0.05998	1.23047	-0.35156	0.703124
							0.993137	-0.02132	-0.05794	1.05469	-0.35156	1.05469
							0.990848	-0.02539	-0.05387		-0.35156	
							0.986269	-0.03556	-0.05998		-0.35156	
							0.977111					
							0.972533					
							1.00229					
							1.01832					
92172	2	39	58	192	45	39.0234	1.00001	-0.03759	-0.05998	1.23047	-0.17578	0.703124
							0.979401	-0.03149	-0.07015	1.05469	-0.17578	0.703124
							0.990848	-0.02335	-0.07625		-0.17578	
							1.02519	-0.02335	-0.07218		-0.35156	
							1.0229					
							0.997715					
							0.98169					
							0.970243					
92173				192	45	38.3203	0.983979	-0.02945	-0.06608	1.23047	-0.35156	1.05469
							0.979401	-0.02539	-0.06608	1.23047	-0.35156	0.703124
							0.979401	-0.01318	-0.06608		-0.35156	
							1.00001	-0.01521	-0.06405		-0.17578	
							1.00916					
							1.00229					
							0.990848					
							0.988558					
92174				192	45	38.3203	0.997715	-0.02132	-0.06812	1.23047	-0.35156	1.05469
							1.00458	-0.02132	-0.06812	1.05469	-0.35156	1.05469
							0.983979	-0.02539	-0.07218		-0.35156	
							0.977111	-0.02945	-0.06608		-0.52734	
							1.00001					
							1.00687					
							0.993137					
							0.965664					
92175				192	45	38.3203	0.979401	-0.02742	-0.07015	1.23047	-0.52734	1.05469
							1.00916	-0.02132	-0.07015	1.05469	-0.52734	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00458	-0.01318	-0.07218		-0.52734	
							0.988558	-0.00911	-0.07422		-0.52734	
							0.979401					
							0.993137					
							1.00458					
							0.986269					
92176	2	40	2	192	45	38.3203	0.979401	-0.00911	-0.07422	1.05469	-0.52734	0.703124
							0.990848	-0.00911	-0.07422	1.23047	-0.52734	0.703124
							1.01832	-0.00911	-0.07422		-0.52734	
							1.00001	-0.00504	-0.07218		-0.52734	
							0.977111					
							0.98169					
							1.00001					
							1.00458					
92177				192	45	39.0234	0.98169	-0.01725	-0.07218	1.23047	-0.52734	0.703124
							0.990848	-0.01928	-0.07422	1.05469	-0.35156	0.703124
							1.00916	-0.01725	-0.07218		-0.35156	
							1.00916	-0.01521	-0.07422		-0.35156	
							0.986269					
							0.977111					
							0.993137					
							1.00687					
92178				192	45	39.0234	1.00458	-0.01521	-0.07218	1.05469	-0.35156	0.703124
							0.990848	-0.02539	-0.07422	1.23047	-0.35156	0.703124
							0.995426	-0.02132	-0.07422		-0.35156	
							0.995426	-0.01725	-0.07625		-0.35156	
							0.990848					
							0.986269					
							1.00229					
							1.01374					
92179				192	45	38.6719	0.986269	-0.02742	-0.06812	1.05469	-0.35156	0.703124
							0.963375	-0.02335	-0.07015	1.23047	-0.52734	0.351562
							0.974822	-0.01114	-0.07422		-0.52734	
							0.995426	-0.01318	-0.07015		-0.35156	
							0.993137					
							0.997715					
							1.00001					
							0.98169					
92180	2	40	6	192	45	38.3203	0.979401	-0.01318	-0.07015	1.05469	-0.52734	0.351562
							0.997715	-0.01928	-0.07625	1.23047	-0.52734	0.703124
							1.01603	-0.02335	-0.07625		-0.52734	
							1.00458	-0.00708	-0.07422		-0.35156	
							0.977111					
							0.974822					
							1.01603					
							1.00458					
92181				188	45	38.3203	0.972533	-0.02132	-0.07422	1.23047	-0.52734	1.05469
							0.983979	-0.02945	-0.07625	1.05469	-0.35156	0.703124
							1.00458	-0.01725	-0.07625		-0.35156	
							1.01145	-0.02132	-0.07218		-0.35156	
							0.983979					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.01145					
							1.01374					
92182				192	45	38.3203	0.995426	-0.02335	-0.06405	1.05469	-0.35156	0.703124
							0.972533	-0.00911	-0.06405	1.23047	-0.35156	0.351562
							0.988558	-0.00301	-0.05794		-0.52734	
							1.01145	-0.00504	-0.05794		-0.52734	
							1.00001					
							0.974822					
							0.972533					
							0.997715					
92183				192	45	38.6719	0.993137	-0.00504	-0.05591	1.23047	-0.52734	0.351562
							0.990848	-0.01318	-0.05387	1.05469	-0.52734	0.703124
							0.997715	-0.01521	-0.05591		-0.52734	
							0.995426	-0.00911	-0.05387		-0.52734	
							0.995426					
							0.995426					
							0.993137					
							0.986269					
92184	2	40	10	192	45	38.6719	0.995426	-0.00504	-0.05794	1.23047	-0.52734	0.351562
							0.997715	-0.01114	-0.05794	1.05469	-0.52734	0.703124
							1.00001	-0.02132	-0.05387		-0.52734	
							1.00458	-0.02335	-0.05184		-0.52734	
							0.995426					
							0.988558					
							0.979401					
							0.995426					
92185				188	45	38.6719	1.00458	-0.01725	-0.05387	1.05469	-0.52734	0.703124
							0.995426	-0.01725	-0.0498	1.23047	-0.52734	0.703124
							0.997715	-0.01521	-0.05591		-0.35156	
							0.993137	-0.01521	-0.0498		-0.35156	
							0.990848					
							1.00001					
							1.00916					
							1.00229					
92186				192	45	38.3203	0.98169	-0.01928	-0.05387	1.05469	-0.35156	0.703124
							0.997715	-0.01318	-0.05184	1.23047	-0.35156	0.703124
							1.00458	-0.00911	-0.05184		-0.35156	
							0.990848	-0.01114	-0.0498		-0.35156	
							0.983979					
							0.995426					
							1.00458					
							0.988558					
92187				192	45	38.6719	0.986269	-0.00911	-0.0498	1.23047	-0.35156	0.703124
							0.993137	-0.00708	-0.05184	1.23047	-0.35156	0.703124
							0.997715	-0.01725	-0.05184		-0.35156	
							1.00458	-0.01928	-0.05184		-0.35156	
							1.00001					
							0.997715					
							0.990848					
							0.993137					
92188	2	40	14	188	45	38.6719	0.995426	-0.01521	-0.05387	1.23047	-0.35156	0.703124
							0.997715	-0.01521	-0.0498	1.23047	-0.35156	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	-0.01114	-0.05184		-0.35156	
							0.979401	-0.01114	-0.0498		-0.35156	
							0.993137					
							1.00001					
							1.00001					
							0.990848					
92189				192	45	39.0234	0.993137	-0.01928	-0.0498	1.05469	-0.35156	1.05469
							1.00687	-0.01928	-0.05387	1.23047	-0.35156	0.703124
							1.00001	-0.01521	-0.05184		-0.35156	
							0.997715	-0.01114	-0.05184		-0.35156	
							0.995426					
							0.993137					
							0.990848					
							0.986269					
92190				188	45	39.0234	0.988558	-0.00911	-0.05184	1.23047	-0.52734	0.703124
							0.995426	-0.00911	-0.05387	1.05469	-0.52734	0.703124
							1.00229	-0.01318	-0.0498		-0.52734	
							0.995426	-0.01521	-0.05184		-0.52734	
							0.98169					
							0.983979					
							0.995426					
							0.997715					
92191				188	45	39.375	0.986269	-0.02132	-0.0498	1.05469	-0.52734	0.703124
							0.990848	-0.01928	-0.05184	1.23047	-0.52734	0.703124
							1.00229	-0.01521	-0.05387		-0.52734	
							1.00229	-0.02132	-0.0498		-0.52734	
							0.988558					
							0.997715					
							1.01374					
							0.995426					
92192	2	40	18	188	45	39.0234	0.979401	-0.02132	-0.0498	1.05469	-0.52734	0.703124
							0.990848	-0.01521	-0.0498	1.23047	-0.35156	0.703124
							1.00687	-0.01521	-0.04777		-0.35156	
							0.997715	-0.01318	-0.05184		-0.35156	
							0.98169					
							0.986269					
							1.00229					
							1.01832					
92193				188	45	39.375	1.01145	-0.01318	-0.05184	1.23047	-0.35156	0.703124
							0.995426	-0.01928	-0.05184	1.23047	-0.17578	0.703124
							0.983979	-0.01521	-0.05184		-0.17578	
							0.986269	-0.00708	-0.05387		-0.35156	
							1.00001					
							1.00001					
							0.993137					
							0.990848					
92194				188	45	39.375	0.997715	-0.01521	-0.05184	1.05469	-0.35156	0.703124
							0.993137	-0.01521	-0.05184	1.23047	-0.35156	0.703124
							0.983979	-0.01114	-0.05184		-0.52734	
							0.988558	-0.01114	-0.05184		-0.52734	
							0.995426					
							0.993137					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.979401					
							0.986269					
92195				188	45	39.7266	1.00687	-0.00911	-0.05387	1.23047	-0.35156	0.703124
							1.00458	-0.00911	-0.05794	1.23047	-0.35156	0.703124
							0.98169	-0.00911	-0.06405		-0.35156	
							0.98169	-0.00911	-0.07015		-0.52734	
							1.00229					
							1.01603					
							1.00229					
							0.990848					
92196	2	40	22	188	45	40.0781	1.00687	-0.01521	-0.07015	1.23047	-0.52734	0.703124
							1.00229	-0.01725	-0.06405	1.23047	-0.52734	0.703124
							0.974822	-0.01521	-0.06812		-0.52734	
							0.963375	-0.01521	-0.06812		-0.52734	
							0.977111					
							1.00687					
							1.01145					
							1.00001					
92197				188	45	40.0781	0.990848	-0.01725	-0.07218	1.23047	-0.52734	0.703124
							0.995426	-0.01318	-0.07625	1.23047	-0.52734	0.703124
							0.990848	-0.00911	-0.07625		-0.52734	
							0.990848	-0.01114	-0.07218		-0.52734	
							0.997715					
							0.986269					
							0.983979					
							0.993137					
92198				188	45	40.0781	0.995426	-0.01114	-0.07015	1.23047	-0.52734	0.703124
							1.00001	-0.01928	-0.06608	1.23047	-0.52734	0.703124
							1.00687	-0.02539	-0.07015		-0.52734	
							1.00001	-0.02132	-0.07625		-0.52734	
							0.972533					
							0.986269					
							1.01374					
							1.00458					
92199				188	45	40.0781	0.967954	-0.01318	-0.07625	1.23047	-0.52734	0.351562
							0.977111	-0.01725	-0.07829	1.23047	-0.52734	0.351562
							1.01145	-0.01114	-0.07625		-0.52734	
							1.00229	-0.01521	-0.08032		-0.52734	
							0.983979					
							0.986269					
							1.00001					
							1.00458					
92200	2	40	26	188	45	39.7266	0.983979	-0.00911	-0.08439	1.23047	-0.52734	0.351562
							0.98169	-0.01114	-0.09456	1.05469	-0.52734	0.351562
							1.00229	-0.01725	-0.0966		-0.52734	
							1.00687	-0.01928	-0.09456		-0.52734	
							0.995426					
							0.986269					
							0.990848					
							0.993137					
92201				188	45	39.375	0.990848	-0.01521	-0.09456	1.23047	-0.35156	0.703124
							1.00001	-0.02132	-0.09253	1.23047	-0.35156	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.993137	-0.02335	-0.0966		-0.35156	
							0.990848	-0.02132	-0.09863		-0.52734	
							0.995426					
							0.995426					
							0.997715					
							0.990848					
92202				188	45	39.0234	0.98169	-0.01725	-0.09863	1.23047	-0.52734	0.703124
							0.983979	-0.01318	-0.10474	1.23047	-0.52734	0.703124
							0.988558	-0.01928	-0.10677		-0.52734	
							1.00001	-0.01928	-0.10677		-0.52734	
							1.00001					
							0.995426					
							0.972533					
							0.98169					
92203				188	45	39.0234	1.00458	-0.01114	-0.10474	1.23047	-0.70312	0.703124
							0.995426	-0.01725	-0.10677	1.23047	-0.52734	0.703124
							0.98169	-0.02132	-0.1027		-0.52734	
							0.988558	-0.01725	-0.1027		-0.52734	
							1.00229					
							0.983979					
							0.986269					
							1.00001					
92204	2	40	30	188	45	39.0234	1.00458	-0.01725	-0.10067	1.23047	-0.52734	0.703124
							0.990848	-0.01725	-0.09049	1.23047	-0.52734	0.703124
							0.979401	-0.01521	-0.07422		-0.52734	
							0.995426	-0.02132	-0.07015		-0.52734	
							1.00687					
							0.997715					
							0.990848					
							0.997715					
92205				188	45	39.0234	1.00001	-0.02539	-0.06812	1.23047	-0.52734	1.05469
							0.986269	-0.02335	-0.06812	1.23047	-0.52734	0.703124
							0.977111	-0.01114	-0.07015		-0.52734	
							0.993137	-0.01928	-0.07422		-0.52734	
							1.00458					
							0.993137					
							0.988558					
							0.995426					
92206				188	45	39.0234	0.995426	-0.02132	-0.07829	1.23047	-0.52734	0.703124
							0.983979	-0.01521	-0.07625	1.23047	-0.52734	0.703124
							0.986269	-0.01725	-0.07625		-0.52734	
							0.995426	-0.02132	-0.07625		-0.52734	
							1.00229					
							0.993137					
							0.986269					
							0.993137					
92207				188	45	39.375	1.00916	-0.01725	-0.06405	1.23047	-0.52734	0.703124
							0.995426	-0.01521	-0.05591	1.23047	-0.52734	0.703124
							0.986269	-0.01725	-0.05794		-0.52734	
							0.988558	-0.02132	-0.05794		-0.52734	
							0.995426					
							1.00001					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715					
							0.988558					
92208	2	40	34	188	45	39.0234	0.993137	-0.02132	-0.06201	1.23047	-0.52734	0.703124
							1.00687	-0.02132	-0.06201	1.23047	-0.52734	0.703124
							0.997715	-0.02132	-0.06608		-0.52734	
							0.979401	-0.01521	-0.06608		-0.52734	
							0.98169					
							1.00001					
							1.00229					
							0.990848					
92209				188	45	38.6719	0.988558	-0.02132	-0.07015	1.23047	-0.52734	0.703124
							1.00001	-0.02132	-0.06608	1.23047	-0.52734	0.703124
							0.997715	-0.01725	-0.06812		-0.52734	
							0.986269	-0.01928	-0.06608		-0.35156	
							0.988558					
							1.00001					
							1.00458					
							0.988558					
92210				188	45	38.3203	0.98169	-0.01928	-0.06608	1.23047	-0.35156	0.703124
							0.997715	-0.02335	-0.06405	1.23047	-0.35156	1.05469
							0.997715	-0.02335	-0.06608		-0.35156	
							0.988558	-0.02742	-0.07015		-0.35156	
							0.993137					
							0.997715					
							0.997715					
							0.993137					
92211				188	45	38.3203	0.988558	-0.02132	-0.07422	1.23047	-0.35156	0.703124
							0.993137	-0.01725	-0.07218	1.23047	-0.52734	0.703124
							0.993137	-0.01725	-0.07218		-0.52734	
							0.997715	-0.02132	-0.06812		-0.52734	
							1.00229					
							1.00229					
							0.988558					
							0.979401					
92212	2	40	38	188	45	37.9688	0.990848	-0.01521	-0.06812	1.23047	-0.52734	0.703124
							0.997715	-0.01114	-0.06608	1.23047	-0.52734	0.703124
							0.983979	-0.02335	-0.07218		-0.70312	
							0.986269	-0.02335	-0.06812		-0.70312	
							1.00001					
							1.00001					
							0.986269					
							0.974822					
92213				188	45	37.9688	0.986269	-0.01521	-0.07218	1.23047	-0.70312	0.703124
							1.00687	-0.01928	-0.07218	1.23047	-0.70312	0.703124
							1.00229	-0.01928	-0.06812		-0.52734	
							0.990848	-0.01521	-0.06812		-0.52734	
							0.979401					
							0.993137					
							1.00916					
							0.993137					
92214				188	45	37.9688	0.98169	-0.01928	-0.06608	1.23047	-0.52734	0.703124
							0.988558	-0.01928	-0.06608	1.23047	-0.52734	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715	-0.01521	-0.07218		-0.35156	
							0.997715	-0.01725	-0.07422		-0.35156	
							0.990848					
							1.00687					
							1.00001					
							0.995426					
92215				184	45	37.9688	0.983979	-0.01725	-0.07829	1.23047	-0.35156	0.703124
							0.993137	-0.02132	-0.08032	1.23047	-0.35156	0.703124
							1.00229	-0.01521	-0.08236		-0.35156	
							1.00001	-0.01725	-0.08032		-0.35156	
							0.983979					
							0.988558					
							1.01145					
							1.00001					
92216	2	40	42	188	45	37.9688	0.993137	-0.02539	-0.07829	1.23047	-0.17578	1.05469
							0.990848	-0.01725	-0.07829	1.23047	-0.35156	1.05469
							0.986269	-0.01725	-0.08236		-0.35156	
							0.986269	-0.01725	-0.07829		-0.35156	
							0.988558					
							1.00687					
							1.00001					
							0.98169					
92217				188	45	37.9688	0.979401	-0.02132	-0.08236	1.23047	-0.35156	1.05469
							1.00687	-0.01725	-0.07829	1.23047	-0.35156	0.703124
							1.00687	-0.01725	-0.08846		-0.35156	
							0.974822	-0.02335	-0.08439		-0.35156	
							0.972533					
							1.02061					
							1.01832					
							0.98169					
92218				188	45	38.3203	0.970243	-0.00911	-0.07829	1.23047	-0.35156	0.703124
							0.983979	-0.00911	-0.07422	1.23047	-0.52734	1.05469
							1.00458	-0.02945	-0.07422		-0.52734	
							0.995426	-0.02132	-0.07218		-0.52734	
							0.990848					
							0.990848					
							0.990848					
							0.983979					
92219				188	45	38.3203	0.988558	-0.01521	-0.07625	1.23047	-0.52734	0.703124
							1.00229	-0.01928	-0.07829	1.23047	-0.52734	0.703124
							1.00229	-0.01725	-0.08643		-0.52734	
							0.98169	-0.01318	-0.09049		-0.52734	
							0.98169					
							0.993137					
							1.00229					
							0.993137					
92220	2	40	46	188	45	38.3203	0.990848	-0.01725	-0.09049	1.23047	-0.52734	0.703124
							0.993137	-0.01725	-0.08846	1.23047	-0.52734	0.703124
							1.00001	-0.01521	-0.08643		-0.52734	
							0.990848	-0.01114	-0.08643		-0.52734	
							0.983979					
							0.995426					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00229					
							0.995426					
92221				188	45	38.3203	0.979401	-0.01521	-0.08439	1.23047	-0.52734	0.703124
							0.990848	-0.01725	-0.08439	1.23047	-0.52734	0.703124
							1.00687	-0.01928	-0.08236		-0.52734	
							0.997715	-0.01725	-0.08236		-0.52734	
							0.98169					
							0.983979					
							1.00458					
							1.00458					
92222				184	45	38.6719	0.98169	-0.02132	-0.08032	1.23047	-0.52734	0.703124
							0.979401	-0.01928	-0.08236	1.05469	-0.52734	0.703124
							1.00001	-0.01928	-0.08032		-0.52734	
							1.00458	-0.01521	-0.07829		-0.35156	
							0.990848					
							0.988558					
							0.993137					
							1.00458					
92223				188	45	38.6719	0.997715	-0.01928	-0.07625	1.23047	-0.35156	1.05469
							0.986269	-0.02335	-0.07422	1.23047	-0.35156	0.703124
							0.990848	-0.01725	-0.07422		-0.35156	
							0.997715	-0.02335	-0.07218		-0.35156	
							0.997715					
							0.993137					
							0.986269					
							0.993137					
92224	2	40	50	188	45	38.6719	0.993137	-0.01521	-0.07218	1.23047	-0.35156	0.703124
							0.993137	-0.01114	-0.07218	1.23047	-0.35156	0.703124
							0.990848	-0.01521	-0.06812		-0.35156	
							0.993137	-0.01521	-0.06812		-0.35156	
							1.00001					
							0.988558					
							0.997715					
							1.00001					
92225				184	45	38.6719	0.988558	-0.02132	-0.06812	1.23047	-0.35156	0.703124
							0.995426	-0.02335	-0.07015	1.23047	-0.35156	0.703124
							0.993137	-0.01928	-0.07218		-0.52734	
							0.995426	-0.01725	-0.07625		-0.52734	
							0.995426					
							0.988558					
							0.993137					
							0.995426					
92226				184	45	38.6719	0.997715	-0.01521	-0.07422	1.23047	-0.52734	0.703124
							0.990848	-0.01725	-0.07218	1.23047	-0.52734	0.703124
							0.983979	-0.01114	-0.06812		-0.52734	
							0.995426	-0.00504	-0.07218		-0.52734	
							0.995426					
							0.986269					
							0.993137					
							0.997715					
92227				184	45	39.0234	0.990848	-0.00911	-0.07422	1.23047	-0.52734	0.703124
							0.988558	-0.00708	-0.08032	1.23047	-0.52734	0.703124

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.993137	-0.00504	-0.07625		-0.35156	
							1.00229	-0.00708	-0.07422		-0.35156	
							0.995426					
							0.983979					
							0.993137					
							0.995426					
92228	2	40	54	184	45	40.0781	0.997715	-0.00504	-0.07015	1.23047	-0.35156	0.703124
							0.997715	-0.00708	-0.06405	1.23047	-0.35156	0.703124
							0.988558	-0.00301	-0.05998		-0.35156	
							0.986269	-0.00504	-0.06201		-0.35156	
							0.995426					
							0.995426					
							1.00229					
							0.997715					
92229				184	45	41.4844	0.983979	-0.00708	-0.06405	1.23047	-0.35156	0.703124
							0.990848	-0.00097	-0.06608	1.23047	-0.35156	0.703124
							0.995426	-0.00097	-0.06812		-0.35156	
							0.997715	-0.00097	-0.07218		-0.35156	
							1.00001					
							0.990848					
							0.988558					
							0.993137					
92230				184	45	42.8906	0.995426	0.003092	-0.06812	1.23047	-0.52734	0.351562
							0.993137	0.003092	-0.06608	1.23047	-0.52734	0.351562
							0.990848	0.003092	-0.05591		-0.52734	
							0.997715	0.005126	-0.05387		-0.52734	
							0.993137					
							0.986269					
							0.995426					
							1.00001					
92231				184	45	45	0.997715	0.003092	-0.05387	1.23047	-0.52734	0.351562
							0.990848	0.001057	-0.05387	1.23047	-0.52734	0.351562
							0.990848	0.003092	-0.05387		-0.52734	
							0.997715	0.003092	-0.05591		-0.52734	
							0.993137					
							0.995426					
							1.00229					
							0.997715					
92232	2	40	58	184	45	47.1094	0.986269	0.001057	-0.05387	1.23047	-0.52734	0.351562
							0.986269	0.003092	-0.05387	1.05469	-0.52734	0.351562
							0.990848	0.007161	-0.05387		-0.52734	
							0.997715	0.005126	-0.05387		-0.52734	
							1.00458					
							0.995426					
							0.986269					
							0.988558					
92233				184	45	49.2188	0.995426	0.009195	-0.05184	1.23047	-0.52734	0.351562
							0.993137	0.009195	-0.05591	1.23047	-0.52734	0.351562
							0.993137	0.007161	-0.0498		-0.52734	
							1.00229	0.015299	-0.05387		-0.52734	
							0.988558					
							0.98169					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715					
							1.00687					
92234				184	45	52.0312	0.993137	0.013264	-0.05184	1.23047	-0.52734	0.351562
							0.979401	0.013264	-0.05387	1.23047	-0.35156	0.351562
							0.990848	0.013264	-0.05387		-0.52734	
							1.00458	0.017333	-0.05591		-0.52734	
							1.00229					
							0.990848					
							0.993137					
							1.00229					
92235				184	45	54.8438	0.995426	0.015299	-0.05387	1.23047	-0.52734	0.351562
							0.983979	0.019368	-0.05591	1.23047	-0.52734	0.351562
							0.993137	0.019368	-0.05387		-0.52734	
							1.00458	0.019368	-0.05387		-0.52734	
							0.997715					
							0.983979					
							0.988558					
							0.995426					
92236	2	41	2	184	45	59.7656	1.00229	0.015299	-0.05387	1.23047	-0.52734	0.351562
							0.995426	0.017333	-0.05184	1.23047	-0.52734	0.351562
							0.986269	0.019368	-0.05387		-0.70312	
							0.98169	0.017333	-0.05184		-0.70312	
							0.997715					
							1.00229					
							0.993137					
							0.990848					
92237				184	45	63.9844	1.00458	0.019368	-0.05591	1.23047	-0.70312	0.351562
							1.00001	0.019368	-0.05184	1.23047	-0.8789	0.351562
							0.986269	0.023437	-0.05794		-0.8789	
							0.98169	0.023437	-0.0498		-0.8789	
							0.995426					
							1.01374					
							0.990848					
							0.970243					
92238				184	45	69.2578	0.988558	0.02954	-0.05387	1.23047	-0.8789	0.351562
							1.01145	0.03361	-0.05184	1.23047	-0.8789	0.703124
							1.00916	0.023437	-0.0498		-0.70312	
							0.986269	0.025471	-0.04777		-0.70312	
							0.990848					
							0.997715					
							0.979401					
							0.990848					
92239				184	45	74.1797	1.01145	0.02954	-0.04777	1.23047	-0.70312	0.703124
							1.00687	0.019368	-0.04574	1.23047	-0.70312	0.351562
							0.988558	0.02954	-0.04777		-0.52734	
							0.983979	0.043782	-0.0437		-0.52734	
							1.01145					
							1.00458					
							0.988558					
							0.986269					
92240	2	41	6	184	45	80.1562	0.995426	0.043782	-0.04574	1.23047	-0.52734	0
							1.00001	0.045817	-0.04574	1.23047	-0.35156	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.98169	0.041747	-0.04574		-0.35156	
							1.00229	0.043782	-0.04777		-0.35156	
							1.02519					
							0.993137					
							0.970243					
							0.995426					
92241				184	45	85.0781	1.02519	0.049886	-0.05387	1.05469	-0.35156	0
							1.01374	0.045817	-0.05794	1.23047	-0.35156	-0.35156
							0.986269	0.043782	-0.06608		-0.35156	
							0.986269	0.058024	-0.06812		-0.52734	
							0.990848					
							0.986269					
							1.00458					
							1.00916					
92242				184	45	91.7578	0.990848	0.045817	-0.06201	1.23047	-0.52734	-0.35156
							0.974822	0.045817	-0.05998	1.23047	-0.52734	-0.35156
							0.986269	0.058024	-0.05794		-0.70312	
							1.00229	0.05192	-0.05998		-0.70312	
							0.986269					
							0.979401					
							0.995426					
							1.00458					
92243				184	45	96.6797	1.00001	0.05192	-0.05794	1.23047	-0.70312	-0.35156
							0.986269	0.043782	-0.05794	1.23047	-0.70312	-0.35156
							0.988558	0.039713	-0.05591		-0.70312	
							0.990848	0.047851	-0.05794		-0.70312	
							0.988558					
							0.993137					
							0.990848					
							0.997715					
92244	2	41	10	184	45	102.656	0.983979	0.047851	-0.05591	1.23047	-0.70312	-0.70312
							0.979401	0.053955	-0.05794	1.23047	-0.70312	-0.35156
							1.00001	0.047851	-0.05794		-0.70312	
							1.00687	0.035644	-0.05794		-0.70312	
							1.00001					
							0.993137					
							0.990848					
							0.988558					
92245				184	45	106.875	0.993137	0.045817	-0.05794	1.23047	-0.70312	-0.35156
							0.990848	0.045817	-0.06201	1.23047	-0.70312	-0.35156
							1.00229	0.041747	-0.06201		-0.70312	
							1.00458	0.05192	-0.05998		-0.70312	
							0.983979					
							0.977111					
							0.993137					
							1.01374					
92246				184	45	112.5	1.00687	0.041747	-0.04574	1.23047	-0.70312	-0.35156
							0.967954	0.02954	-0.05591	1.23047	-0.70312	-0.35156
							0.990848	0.045817	-0.04777		-0.70312	
							1.01603	0.043782	-0.05184		-0.70312	
							0.990848					
							0.979401					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							1.00916					
92247				184	45	116.719	1.00001	0.035644	-0.0498	1.05469	-0.70312	-0.35156
							0.979401	0.041747	-0.05184	1.23047	-0.70312	-0.35156
							1.00001	0.043782	-0.0498		-0.70312	
							1.00916	0.037679	-0.0498		-0.70312	
							0.988558					
							0.979401					
							0.995426					
							1.00687					
92248	2	41	14	184	45	121.641	0.995426	0.03361	-0.04777	1.23047	-0.70312	-0.35156
							0.98169	0.039713	-0.05184	1.23047	-0.70312	-0.35156
							1.00001	0.035644	-0.0437		-0.70312	
							1.01145	0.02954	-0.04777		-0.70312	
							1.00001					
							0.974822					
							0.977111					
							1.00916					
92249				184	45	124.805	1.01832	0.02954	-0.0437	1.23047	-0.52734	-0.35156
							0.995426	0.015299	-0.04574	1.23047	-0.52734	-0.35156
							0.979401	0.017333	-0.04777		-0.52734	
							0.993137	0.019368	-0.04777		-0.52734	
							1.00458					
							0.995426					
							0.988558					
							0.988558					
92250				184	45	127.266	1.00229	0.013264	-0.0498	1.23047	-0.52734	-0.35156
							1.00001	0.013264	-0.0498	1.23047	-0.52734	-0.35156
							0.986269	0.01123	-0.0498		-0.52734	
							0.993137	0.009195	-0.0498		-0.52734	
							1.00001					
							0.993137					
							0.993137					
							0.993137					
92251				184	45	128.672	0.995426	0.007161	-0.0498	1.23047	-0.52734	-0.35156
							1.00001	0.009195	-0.0498	1.23047	-0.52734	-0.35156
							0.988558	0.01123	-0.0498		-0.52734	
							0.995426	0.013264	-0.0498		-0.52734	
							1.00229					
							0.995426					
							0.990848					
							0.990848					
92252	2	41	18	184	45	129.375	1.00687	0.013264	-0.0498	1.23047	-0.52734	-0.35156
							0.995426	0.01123	-0.04777	1.23047	-0.52734	-0.35156
							0.979401	0.003092	-0.05184		-0.70312	
							0.997715	0.009195	-0.0498		-0.70312	
							1.00916					
							1.00001					
							0.98169					
							0.98169					
92253				184	45	130.43	0.997715	0.017333	-0.0498	1.23047	-0.70312	-0.35156
							1.01145	0.009195	-0.0498	1.23047	-0.70312	-0.35156

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715	0.01123	-0.05387		-0.70312	
							0.979401	0.01123	-0.0498		-0.70312	
							0.988558					
							1.01145					
							1.00229					
							0.979401					
92254				184	45	131.133	0.986269	0.01123	-0.05184	1.23047	-0.70312	-0.35156
							1.00229	0.01123	-0.04777	1.23047	-0.70312	-0.35156
							1.00458	0.01123	-0.0498		-0.52734	
							0.988558	0.007161	-0.0498		-0.70312	
							0.986269					
							1.00001					
							1.00229					
							0.986269					
92255				184	45	131.836	0.983979	0.013264	-0.04777	1.23047	-0.70312	-0.70312
							0.997715	0.013264	-0.0498	1.23047	-0.52734	-0.35156
							1.00687	0.009195	-0.0498		-0.52734	
							0.997715	0.01123	-0.05184		-0.52734	
							0.983979					
							0.988558					
							1.00458					
							1.00229					
92256	2	41	22	184	45	132.539	0.993137	0.01123	-0.04574	1.23047	-0.52734	-0.70312
							0.979401	0.013264	-0.0498	1.23047	-0.52734	-0.70312
							0.995426	0.013264	-0.04777		-0.52734	
							1.00687	0.01123	-0.05184		-0.52734	
							1.00229					
							0.986269					
							0.990848					
							1.00687					
92257				184	45	133.242	1.00001	0.01123	-0.04777	1.23047	-0.52734	-0.70312
							0.983979	0.015299	-0.0498	1.23047	-0.52734	-0.70312
							0.98169	0.013264	-0.04777		-0.52734	
							1.00001	0.013264	-0.05184		-0.52734	
							1.00687					
							0.990848					
							0.98169					
							1.00001					
92258				184	45	133.594	1.00458	0.01123	-0.05184	1.23047	-0.52734	-0.70312
							0.990848	0.01123	-0.04777	1.23047	-0.52734	-0.70312
							0.988558	0.01123	-0.05184		-0.52734	
							0.988558	0.009195	-0.04777		-0.52734	
							1.00229					
							1.00687					
							0.988558					
							0.983979					
92259				180	45	134.297	0.993137	0.009195	-0.05184	1.23047	-0.52734	-0.70312
							1.00229	0.01123	-0.04777	1.23047	-0.52734	-0.70312
							0.995426	0.013264	-0.05184		-0.52734	
							0.979401	0.01123	-0.0498		-0.52734	
							0.990848					
							1.00687					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MAGNETIC HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUDINAL ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00001					
							0.983979					
92260	2	41	26	180	45	134.648	0.993137	0.013264	-0.0498	1.05469	-0.52734	-0.70312
							1.00458	0.009195	-0.04574	1.23047	-0.52734	-0.70312
							1.00687	0.013264	-0.05184		-0.52734	
							0.983979	0.01123	-0.04777		-0.52734	
							0.977111					
							1.00687					
							1.01374					
							0.988558					
92261				180	45	135	0.972533	0.01123	-0.0498	1.23047	-0.52734	-0.70312
							1.00001	0.007161	-0.04574	1.23047	-0.52734	-0.70312
							1.01603	0.005126	-0.04777		-0.52734	
							0.988558	0.007161	-0.04574		-0.52734	
							0.979401					
							-0.26602					
							1.00458					
							0.988558					
92262				180	45	135	0.98169	0.013264	-0.04777	1.23047	-0.52734	-0.70312
							1.00001	0.005126	-0.0498	1.05469	-0.52734	-0.70312
							1.00458	0.003092	-0.05184		-0.52734	
							1.00001	0.001057	-0.0498		-0.52734	
							0.993137					
							0.995426					
							0.995426					
							0.990848					
92263				180	45	134.648	0.986269	0.009195	-0.05184	1.23047	-0.52734	-0.70312
							0.997715	0.005126	-0.0498	1.23047	-0.52734	-0.70312
							1.00687	0.003092	-0.05184		-0.52734	
							0.995426	0.003092	-0.05184		-0.52734	
							0.986269					
							0.995426					
							1.00458					
							0.995426					
92264	2	41	30	180	45	134.297	0.98169	0.003092	-0.0498	1.05469	-0.52734	-0.70312
							0.98169	0.005126	-0.05591	1.05469	-0.52734	-0.70312
							1.00229	0.007161	-0.05998		-0.52734	
							1.00229	0.003092	-0.07015		-0.52734	
							0.988558					
							0.990848					
							1.00001					
							0.993137					
92265				180	45	133.945	0.986269	0.01123	-0.07625	1.23047	-0.52734	-0.70312
							0.990848	0.007161	-0.08439	1.23047	-0.52734	-0.35156
							1.00001	0.009195	-0.08846		-0.52734	
							1.00001	0.01123	-0.09049		-0.52734	
							0.98169					
							0.988558					
							0.995426					
							1.00001					
92266				180	45	134.297	0.988558	0.009195	-0.09049	1.23047	-0.52734	-0.35156
							0.983979	0.009195	-0.09253	1.05469	-0.52734	-0.35156

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.995426	0.01123	-0.0966		-0.52734	
							1.00001	0.007161	-0.09253		-0.52734	
							0.98169					
							0.993137					
							1.00229					
							0.993137					
92267				180	45	135	0.98169	0.01123	-0.09253	1.05469	-0.52734	-0.35156
							0.990848	0.009195	-0.08846	1.23047	-0.52734	-0.35156
							1.00458	0.01123	-0.08846		-0.52734	
							0.993137	0.007161	-0.08846		-0.52734	
							0.977111					
							0.993137					
							1.00916					
							0.995426					
92268	2	41	34	180	45	135.352	0.98169	0.01123	-0.08032	1.23047	-0.52734	-0.35156
							0.988558	0.009195	-0.07625	1.23047	-0.52734	-0.35156
							0.997715	0.009195	-0.07015		-0.52734	
							0.995426	0.017333	-0.06608		-0.52734	
							0.993137					
							0.988558					
							0.993137					
							1.00001					
92269				180	45	136.406	0.995426	0.009195	-0.06608	1.23047	-0.52734	-0.35156
							0.988558	0.01123	-0.06608	1.23047	-0.52734	-0.35156
							0.983979	0.01123	-0.06812		-0.52734	
							0.997715	0.017333	-0.06812		-0.52734	
							1.00229					
							0.997715					
							0.986269					
							0.990848					
92270				180	45	137.109	0.997715	0.015299	-0.07422	1.23047	-0.52734	-0.35156
							1.00229	0.021403	-0.07422	1.23047	-0.70312	-0.35156
							0.997715	0.021403	-0.07422		-0.70312	
							0.983979	0.019368	-0.07218		-0.8789	
							0.995426					
							0.993137					
							0.986269					
							0.993137					
92271				180	45	138.867	1.00229	0.027506	-0.07218	1.23047	-0.8789	-0.35156
							0.995426	0.025471	-0.07625	1.23047	-0.8789	-0.70312
							0.983979	0.035644	-0.07015		-0.8789	
							0.986269	0.031575	-0.07218		-0.8789	
							1.00687					
							1.00001					
							0.958796					
							0.983979					
92272	2	41	38	180	45	141.328	1.01145	0.03361	-0.06812	1.23047	-0.8789	-0.70312
							0.993137	0.045817	-0.06405	1.23047	-0.8789	-0.70312
							0.977111	0.041747	-0.06201		-0.70312	
							0.988558	0.060058	-0.05591		-0.70312	
							1.00001					
							0.993137					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.979401					
							0.98169					
92273				180	45	146.602	0.993137	0.066162	-0.05794	1.23047	-0.52734	-1.05469
							1.02061	0.060058	-0.05591	1.23047	-0.35156	-1.05469
							1.00229	0.078369	-0.05794		-0.17578	
							0.977111	0.080403	-0.06201		-0.17578	
							0.988558					
							1.00001					
							1.02748					
							1.01374					
92274				180	45	152.227	0.979401	0.053955	-0.06405	1.23047	0	-0.70312
							0.988558	0.064127	-0.06201	1.23047	0	-0.70312
							1.01145	0.080403	-0.06608		0	
							0.993137	0.0743	-0.06608		0	
							0.977111					
							1.00458					
							1.01374					
							0.986269					
92275				180	45	160.664	0.98169	0.078369	-0.06812	1.23047	0	-0.70312
							1.00001	0.082438	-0.06812	1.23047	0	-0.35156
							1.00916	0.066162	-0.07015		0	
							1.00001	0.055989	-0.05591		-0.17578	
							0.993137					
							1.00687					
							1.00001					
							0.98169					
92276	2	41	42	180	45	167.695	0.983979	0.060058	-0.05184	1.23047	-0.17578	-0.35156
							0.997715	0.064127	-0.04574	1.23047	-0.17578	-0.70312
							0.990848	0.070231	-0.0498		-0.17578	
							0.977111	0.0743	-0.0498		-0.17578	
							0.988558					
							1.00687					
							0.995426					
							0.983979					
92277				180	45	175.078	0.988558	0.068196	-0.0498	1.23047	-0.17578	-0.70312
							0.997715	0.068196	-0.04574	1.23047	-0.17578	-0.70312
							0.995426	0.062093	-0.04777		-0.17578	
							0.990848	0.053955	-0.04777		-0.17578	
							0.993137					
							1.00916					
							1.00229					
							0.983979					
92278				180	45	182.109	0.983979	0.066162	-0.0498	1.23047	-0.17578	-0.70312
							1.00229	0.066162	-0.05184	1.05469	-0.17578	-0.70312
							1.00458	0.053955	-0.0498		-0.17578	
							0.993137	0.058024	-0.04574		-0.17578	
							0.986269					
							0.986269					
							1.00229					
							1.00001					
92279				180	45	188.438	0.993137	0.045817	-0.04777	1.23047	-0.17578	-0.70312
							0.993137	0.049886	-0.04777	1.23047	-0.17578	-0.70312

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.988558	0.064127	-0.0498		-0.17578	
							0.995426	0.05192	-0.05184		-0.17578	
							0.993137					
							1.00001					
							1.00687					
							0.993137					
92280	2	41	46	180	45	193.711	0.972533	0.045817	-0.04777	1.23047	-0.17578	-0.70312
							0.98169	0.049886	-0.05184	1.23047	-0.17578	-0.70312
							1.01374	0.043782	-0.04574		-0.17578	
							1.01832	0.05192	-0.05387		-0.17578	
							0.986269					
							0.965664					
							0.986269					
							1.01603					
92281				180	45	199.336	1.00458	0.058024	-0.04777	1.23047	-0.17578	-1.05469
							0.974822	0.05192	-0.0498	1.23047	-0.17578	-1.05469
							0.979401	0.055989	-0.04574		-0.17578	
							1.00229	0.05192	-0.05184		-0.17578	
							1.01145					
							0.988558					
							0.979401					
							1.00458					
92282				180	45	203.906	1.00458	0.053955	-0.04574	1.23047	-0.17578	-1.05469
							0.98169	0.05192	-0.05184	1.23047	-0.17578	-1.05469
							0.98169	0.047851	-0.0498		-0.17578	
							1.01145	0.049886	-0.05184		-0.17578	
							1.01374					
							0.98169					
							0.972533					
							1.00229					
92283				180	45	208.828	1.01374	0.047851	-0.04777	1.23047	-0.17578	-1.05469
							0.988558	0.043782	-0.04777	1.23047	-0.17578	-0.70312
							0.977111	0.043782	-0.04777		-0.17578	
							0.990848	0.039713	-0.0437		-0.17578	
							1.00916					
							1.00229					
							0.979401					
							0.986269					
92284	2	41	50	180	45	212.344	1.00916	0.02954	-0.03963	1.23047	0	-0.70312
							1.00001	0.031575	-0.03963	1.23047	0	-0.70312
							0.979401	0.031575	-0.04167		0	
							0.997715	0.027506	-0.0437		0	
							1.01374					
							1.00001					
							0.979401					
							0.988558					
92285				180	45	215.156	1.01145	0.031575	-0.0437	1.23047	0	-0.70312
							1.00458	0.023437	-0.0437	1.23047	0	-1.05469
							0.983979	0.025471	-0.04574		0	
							0.983979	0.025471	-0.0437		0	
							1.00458					
							1.00458					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.990848					
							0.990848					
92286				180	45	216.562	1.00001	0.021403	-0.0437	1.23047	0	-1.05469
							1.00001	0.025471	-0.04574	1.23047	0	-1.05469
							0.995426	0.025471	-0.03963		0	
							0.995426	0.021403	-0.0437		0	
							0.990848					
							0.983979					
							0.995426					
							1.00458					
92287				180	45	217.969	1.00001	0.025471	-0.04167	1.23047	0	-1.05469
							0.993137	0.021403	-0.04167	1.23047	0	-1.05469
							0.993137	0.023437	-0.04167		0	
							0.993137	0.02954	-0.03963		0	
							0.988558					
							0.997715					
							1.00001					
							0.997715					
92288	2	41	54	180	45	219.023	0.990848	0.021403	-0.03556	1.23047	0	-1.40625
							0.983979	0.025471	-0.03556	1.23047	0	-1.40625
							0.98169	0.027506	-0.03353		0	
							1.00687	0.021403	-0.03353		0	
							1.01374					
							0.986269					
							0.979401					
							0.997715					
92289				180	45	219.727	1.00916	0.025471	-0.03149	1.23047	0	-1.40625
							0.993137	0.021403	-0.02946	1.05469	0	-1.40625
							0.986269	0.019368	-0.02743		0	
							0.995426	0.023437	-0.02539		0	
							0.997715					
							1.00001					
							0.990848					
							0.993137					
92290				180	45	220.078	1.00229	0.013264	-0.02336	1.05469	0	-1.05469
							1.00229	0.019368	-0.02132	1.23047	0	-1.05469
							0.993137	0.015299	-0.01725		0	
							0.988558	0.017333	-0.01115		0	
							1.00458					
							1.00458					
							0.997715					
							0.993137					
92291				184	45	220.43	0.995426	0.021403	-0.00708	1.23047	0	-1.05469
							1.00229	0.015299	0.005127	1.23047	0	-1.05469
							1.01145	0.015299	0.017334		0	
							0.988558	0.017333	0.027507		0	
							0.98169					
							1.00001					
							1.00687					
							1.00001					
92292	2	41	58	180	45	220.781	0.988558	0.015299	0.029541	1.23047	0	-1.05469
							0.995426	0.017333	0.029541	1.23047	0	-1.05469

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00916	0.015299	0.029541		0	
							1.00229	0.01123	0.029541		0	
							0.997715					
							0.993137					
							1.00458					
							1.00916					
92293				184	45	220.781	0.993137	0.01123	0.035644	1.23047	0	-1.05469
							0.993137	0.003092	0.043783	1.23047	0	-1.05469
							1.00458	0.013264	0.049886		0	
							1.00458	0.017333	0.05599		0	
							0.986269					
							0.986269					
							1.01145					
							1.00458					
92294				184	45	221.133	0.990848	0.021403	0.060059	1.23047	0	-1.40625
							1.00687	0.017333	0.070231	1.23047	0	-1.05469
							1.01145	0.023437	0.0743		0	
							1.00229	0.027506	0.076335		0	
							0.997715					
							1.00229					
							0.995426					
							0.995426					
92295				184	45	221.836	1.01145	0.025471	0.076335	1.23047	0	-1.40625
							1.01145	0.027506	0.076335	1.23047	0.175781	-1.40625
							0.995426	0.031575	0.078369		0.175781	
							0.988558	0.03361	0.080404		0.175781	
							1.00916					
							1.00687					
							0.98169					
							0.983979					
92296	2	42	2	188	45	223.242	1.00229	0.035644	0.080404	1.23047	0.175781	-1.40625
							1.00687	0.027506	0.076335	1.23047	0.351562	-1.05469
							1.02061	0.019368	0.082438		0.351562	
							1.02061	0.017333	0.094645		0.351562	
							1.01145					
							1.00001					
							0.997715					
							1.00687					
92297				188	45	223.594	1.00916	0.005126	0.112956	1.23047	0.175781	-0.70312
							0.997715	0.003092	0.127197	1.23047	0.175781	-0.70312
							0.995426	0.003092	0.151611		0.175781	
							1.00229	-0.00301	0.159749		0.175781	
							1.01145					
							0.986269					
							0.993137					
							1.00916					
92298				188	45	223.594	1.02061	-0.00504	0.171956	1.23047	0.175781	-0.70312
							1.00229	0.01123	0.167887	1.23047	0.175781	-1.05469
							1.00001	0.009195	0.169922		0.175781	
							1.0229	0.001057	0.163818		0.175781	
							1.0229					
							0.986269					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.972533					
							1.00687					
92299				188	45	223.945	1.01603	0.01123	0.163818	1.23047	0.175781	-1.05469
							1.01832	0.009195	0.171956	1.05469	0.175781	-1.05469
							1.00229	0.001057	0.180094		0.175781	
							0.997715	0.013264	0.184163		0.175781	
							1.01145					
							1.00458					
							1.00001					
							1.01374					
92300	2	42	6	192	45	223.594	1.0229	0.007161	0.17806	1.23047	0.351562	-1.05469
							1.0435	-0.00504	0.180094	1.23047	0.351562	-1.75781
							1.00687	0.001057	0.182129		0.351562	
							0.983979	0.027506	0.188232		0.175781	
							1.00458					
							1.01374					
							1.00458					
							0.977111					
92301				192	45.5	223.594	0.951928	0.009195	0.182129	1.23047	0.175781	-1.05469
							1.00916	-0.00708	0.180094	1.23047	0.175781	-1.40625
							1.07098	-0.00708	0.184163		0.175781	
							1.02748	-0.00911	0.182129		0.175781	
							0.972533					
							0.970243					
							1.00916					
							1.03206					
92302				192	49.5	222.891	1.00458	-0.01318	0.192301	1.23047	0.175781	-1.05469
							0.997715	-0.01318	0.200439	1.23047	0.175781	-1.05469
							1.05266	-0.01521	0.216715		0.351562	
							1.02977	-0.01521	0.206543		0.175781	
							0.979401					
							0.94277					
							0.986269					
							1.06411					
92303				196	56	222.188	1.05266	-0.01114	0.222819	1.23047	0.175781	-1.05469
							0.986269	-0.00911	0.222819	1.05469	0.175781	-1.05469
							0.974822	-0.00301	0.228922		0.351562	
							1.02519	-0.00097	0.23706		0.351562	
							1.07555					
							1.02748					
							0.951928					
							0.94506					
92304	2	42	10	196	61	222.188	1.00687	0.005126	0.226888	1.05469	0.175781	-1.40625
							1.03892	0.003092	0.228922	1.23047	0.175781	-1.05469
							0.993137	0.001057	0.21875		0	
							0.990848	0.007161	0.228922		0.175781	
							1.05495					
							1.04808					
							1.00001					
							0.98169					
92305				196	65	222.188	0.972533	0.003092	0.224853	1.05469	0.351562	-1.40625
							1.01603	0.007161	0.228922	1.05469	0.351562	-1.40625

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.03206	0.025471	0.226888		0.175781	
							1.01603	0.031575	0.228922		0.351562	
							1.0435					
							1.01603					
							1.04579					
							0.967954					
92306				196	70	222.891	0.883247	0.02954	0.226888	1.23047	0.351562	-1.40625
							0.94277	0.02954	0.220784	1.23047	0.351562	-1.40625
							1.11676	0.02954	0.230957		0.351562	
							1.12134	0.027506	0.228922		0.351562	
							1.01374					
							0.967954					
							0.931324					
							1.00916					
92307				200	75.5	222.891	1.0664	0.009195	0.224853	1.05469	0.351562	-1.40625
							1.03892	0.003092	0.230957	1.05469	0.351562	-1.40625
							0.986269	0.003092	0.210612		0.351562	
							0.913009	0.003092	0.212646		0.175781	
							0.995426					
							1.04808					
							1.04121					
							1.03663					
92308	2	42	14	200	78.5	222.188	1.02061	-0.01114	0.222819	0.878905	0.175781	-1.05469
							0.965664	-0.02945	0.216715	0.878905	0.175781	-1.40625
							0.954217	-0.01928	0.210612		0.351562	
							1.00458	-0.00301	0.222819		0.351562	
							1.05953					
							1.08471					
							1.01603					
							0.94735					
92309				200	83.5	222.188	0.979401	0.001057	0.214681	0.878905	0.351562	-1.05469
							0.974822	0.009195	0.212646	0.878905	0.351562	-1.40625
							0.986269	0.023437	0.214681		0.175781	
							1.01145	0.023437	0.212646		0.175781	
							1.05953					
							1.05266					
							0.94506					
							0.997715					
92310				200	89	222.539	1.09158	0.019368	0.216715	0.703124	0.351562	-1.05469
							1.02748	0.017333	0.212646	1.05469	0.351562	-1.40625
							0.929034	0.02954	0.202474		0.351562	
							0.940481	0.01123	0.206543		0.351562	
							1.00687					
							1.08013					
							1.02061					
							0.993137					
92311				200	93	222.188	0.965664	-0.01928	0.206543	0.878905	0.175781	-1.05469
							1.00458	-0.01928	0.204508	0.703124	0.175781	-1.05469
							1.06411	-0.01318	0.202474		0.351562	
							1.03892	-0.01318	0.200439		0.351562	
							0.972533					
							0.986269					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.00229					
							1.01603					
92312	2	42	18	200	97.5	221.836	1.02748	-0.02539	0.208577	0.527343	0.351562	-1.05469
							0.949639	-0.01928	0.198405	0.878905	0.351562	-1.05469
							0.94506	-0.00911	0.202474		0.175781	
							1.05266	-0.01318	0.204508		0.175781	
							1.05953					
							1.06182					
							0.979401					
							0.979401					
92313				204	101	221.836	0.979401	-0.00708	0.206543	0.527343	0.351562	-1.05469
							0.983979	0.013264	0.190267	0.878905	0.351562	-1.40625
							1.00001	0.023437	0.200439		0.351562	
							1.087	-0.00911	0.198405		0.351562	
							1.05266					
							1.00229					
							0.938192					
							0.977111					
92314				204	106.5	221.836	1.06869	-0.00504	0.190267	0.703124	0.351562	-1.05469
							1.0664	0.007161	0.194336	0.703124	0.351562	-1.40625
							0.933613	-0.00708	0.200439		0.351562	
							0.972533	-0.01318	0.194336		0.351562	
							0.997715					
							1.02061					
							1.13508					
							1.07555					
92315				204	109.5	221.484	0.885536	-0.00504	0.198405	0.351562	0.351562	-1.40625
							0.890115	-0.00301	0.186198	0.878905	0.351562	-1.40625
							0.949639	-0.01521	0.190267		0.351562	
							1.03663	0.009195	0.19637		0.351562	
							1.10761					
							1.07555					
							0.993137					
							0.967954					
92316	2	42	22	204	115.5	221.836	0.926745	0.009195	0.190267	0.703124	0.351562	-1.05469
							1.00001	0.013264	0.184163	0.878905	0.351562	-1.05469
							1.03206	0.021403	0.186198		0.351562	
							1.04121	0.015299	0.188232		0.351562	
							1.04808					
							0.98169					
							0.917587					
							1.01145					
92317				204	119.5	221.836	1.08013	-0.00301	0.17806	0.703124	0.351562	-1.05469
							1.07098	0.005126	0.184163	1.05469	0.351562	-1.40625
							0.988558	0.021403	0.17806		0.351562	
							0.876379	0.023437	0.184163		0.351562	
							0.98169					
							1.06869					
							1.0664					
							1.05266					
92318				204	123.5	222.188	0.983979	0.037679	0.190267	0.351562	0.351562	-1.05469
							0.94277	0.041747	0.180094	0.878905	0.351562	-1.05469

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.926745	0.035644	0.182129		0.527343	
							1.0435	0.045817	0.190267		0.527343	
							1.1099					
							1.0435					
							1.00916					
							0.954217					
92319				208	127.5	222.539	0.910719	0.02954	0.184163	0.703124	0.527343	-1.05469
							0.993137	0.015299	0.17806	0.878905	0.527343	-1.05469
							1.05495	0.035644	0.186198		0.527343	
							1.03892	0.003092	0.180094		0.527343	
							1.06869					
							0.974822					
							0.901562					
							0.972533					
92320	2	42	26	208	131.5	222.188	0.94735	-0.03149	0.163818	0.703124	0.527343	-1.40625
							1.08242	-0.01928	0.17806	0.527343	0.527343	-1.40625
							1.20376	-0.01521	0.180094		0.527343	
							1.02519	0.003092	0.173991		0.351562	
							0.844327					
							0.890115					
							1.03892					
							1.06411					
92321				208	135.5	222.539	1.08471	0.023437	0.180094	0.878905	0.527343	-1.05469
							0.961086	0.027506	0.157715	0.878905	0.527343	-1.05469
							0.874089	0.045817	0.169922		0.527343	
							1.06182	0.043782	0.188232		0.527343	
							1.16713					
							1.06411					
							0.977111					
							0.858064					
92322				208	139	222.891	0.848906	0.039713	0.169922	1.05469	0.527343	-1.05469
							1.08013	0.041747	0.17806	0.878905	0.703124	-1.40625
							1.18316	0.05192	0.194336		0.878905	
							1.09387	0.068196	0.186198		0.878905	
							0.963375					
							0.890115					
							0.963375					
							1.05266					
92323				204	142.5	222.891	1.08013	0.05192	0.17806	1.40625	1.23047	-1.05469
							1.06869	0.009195	0.188232	1.75781	1.40625	-1.40625
							0.954217	0.005126	0.188232		1.58203	
							0.915298	-0.00708	0.188232		1.58203	
							0.995426					
							1.00687					
							1.01145					
							1.00916					
92324	2	42	30	204	146	222.188	0.983979	-0.03759	0.184163	2.28515	1.75781	-1.05469
							0.995426	-0.05183	0.190267	2.46093	1.93359	-1.40625
							1.02748	-0.03963	0.19637		1.93359	
							1.00001	-0.03352	0.198405		2.10937	
							0.993137					
							0.970243					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715					
							1.02977					
92325				196	150	221.133	1.07784	-0.02945	0.210612	2.98828	2.63671	-1.40625
							0.988558	-0.02742	0.212646	4.04296	2.8125	-1.05469
							0.970243	-0.0437	0.216715		3.33984	
							1.00229	-0.03963	0.226888		3.86718	
							0.98169					
							0.986269					
							0.979401					
							0.970243					
92326				192	152	220.781	1.01145	-0.02335	0.23706	5.62499	4.21874	-1.40625
							1.00687	-0.01725	0.245198	6.85546	5.09765	-1.05469
							0.993137	-0.02742	0.249267		5.27343	
							1.03892	-0.02539	0.255371		6.32812	
							1.05037					
							0.990848					
							0.993137					
							1.01145					
92327				192	155.5	221.133	1.00458	-0.01318	0.261474	8.43749	6.67968	-1.05469
							0.997715	-0.01318	0.263509	9.84374	7.03124	-1.40625
							1.02748	-0.00504	0.269613		7.73436	
							1.01603	-0.00911	0.273682		7.91014	
							0.977111					
							1.00458					
							1.02061					
							1.03435					
92328	2	42	34	196	159	221.133	1.03892	-0.01318	0.273682	10.7226	8.26171	-1.05469
							1.0435	-0.00708	0.273682	10.8984	8.61327	-0.70312
							1.04579	-0.00301	0.273682		8.78905	
							1.05037	-0.01318	0.269613		8.96483	
							1.06411					
							1.06182					
							1.05495					
							1.05724					
92329				208	162	220.781	1.04579	-0.01521	0.265544	10.7226	8.96483	-0.70312
							1.03663	-0.01725	0.263509	10.1953	8.96483	-1.05469
							1.02977	-0.01928	0.263509		8.96483	
							1.01832	-0.01928	0.261474		8.96483	
							1.01374					
							1.01145					
							1.01603					
							1.0229					
92330				220	165.5	220.781	1.03435	-0.01318	0.261474	10.3711	9.14061	-1.05469
							1.05037	-0.01114	0.265544	10.7226	9.49217	-1.40625
							1.0664	-0.01114	0.269613		9.84374	
							1.07784	-0.01725	0.273682		10.5469	
							1.08929					
							1.1099					
							1.12134					
							1.13508					
92331				240	167.5	220.781	1.14195	-0.02539	0.275716	11.6015	10.8984	-1.05469
							1.15568	-0.01725	0.277751	11.9531	11.0742	-1.05469

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.15797	-0.00708	0.277751		11.9531	
							1.16713	-0.00911	0.279785		12.3047	
							1.16484					
							1.16942					
							1.174					
							1.18316					
92332	2	42	38	268	169.5	221.133	1.18773	-0.00708	0.28182	12.3047	12.832	-0.70312
							1.1946	-0.00708	0.277751	12.3047	13.0078	-0.35156
							1.19002	-0.00911	0.277751		13.3594	
							1.1946	-0.00097	0.275716		13.7109	
							1.19231					
							1.19231					
							1.19231					
							1.18544					
92333				300	171.5	221.836	1.174	-0.00301	0.271647	11.9531	13.8867	0
							1.16713	-0.00097	0.271647	11.4258	14.0625	0
							1.16255	0.003092	0.269613		14.414	
							1.16255	0.01123	0.273682		14.5898	
							1.15339					
							1.14653					
							1.1511					
							1.15568					
92334				328	172	222.188	1.15568	0.009195	0.277751	11.4258	14.7656	0.703124
							1.15568	0.009195	0.279785	11.25	15.1172	1.05469
							1.16484	0.007161	0.275716		15.2929	
							1.16942	0.003092	0.271647		15.6445	
							1.16484					
							1.17171					
							1.16026					
							1.1511					
92335				364	173	222.539	1.14424	0.001057	0.267578	10.8984	15.6445	1.75781
							1.12821	-0.00097	0.25944	9.66795	15.6445	2.10937
							1.09845	0.001057	0.257406		15.2929	
							1.07098	-0.00504	0.249267		15.1172	
							1.04121					
							1.02061					
							0.993137					
							0.979401					
92336	2	42	42	400	174	222.891	0.963375	0.001057	0.243164	8.26171	14.5898	1.75781
							0.951928	0.003092	0.24113	7.3828	14.414	1.05469
							0.933613	0.005126	0.24113		14.2383	
							0.931324	0.003092	0.24113		13.8867	
							0.919877					
							0.90843					
							0.917587					
							0.926745					
92337				440	174.5	223.594	0.926745	0.005126	0.24113	7.55858	13.8867	0.703124
							0.935903	0.007161	0.243164	7.91014	13.8867	0
							0.940481	0.005126	0.245198		13.8867	
							0.94735	0.01123	0.245198		13.8867	
							0.958796					
							0.965664					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECOND	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.979401					
							0.993137					
92338				480	176	223.945	0.997715	0.015299	0.245198	8.08593	13.8867	-0.35156
							0.995426	0.015299	0.243164	7.73436	13.8867	-0.70312
							0.988558	0.015299	0.239095		13.8867	
							0.98169	0.013264	0.23706		13.7109	
							0.974822					
							0.965664					
							0.956507					
							0.940481					
92339				512	176.5	223.945	0.929034	0.013264	0.235026	7.20702	13.7109	-0.70312
							0.924456	0.015299	0.235026	6.85546	13.3594	-0.35156
							0.924456	0.01123	0.230957		13.1836	
							0.919877	0.009195	0.230957		13.0078	
							0.922166					
							0.917587					
							0.915298					
							0.90614					
92340	2	42	46	548	177	223.945	0.901562	0.007161	0.230957	6.5039	12.832	-0.35156
							0.90614	0.01123	0.230957	6.5039	12.6562	-0.35156
							0.901562	0.01123	0.230957		12.6562	
							0.903851	0.01123	0.232991		12.6562	
							0.90843					
							0.90614					
							0.913009					
							0.919877					
92341				584	178	223.945	0.926745	0.013264	0.232991	6.67968	12.6562	-0.35156
							0.935903	0.01123	0.232991	6.85546	12.6562	-0.35156
							0.938192	0.009195	0.235026		12.6562	
							0.94506	0.013264	0.23706		12.832	
							0.94735					
							0.949639					
							0.958796					
							0.961086					
92342				616	178.5	223.945	0.967954	0.01123	0.23706	7.20702	12.832	-0.70312
							0.972533	0.009195	0.239095	7.55858	13.0078	-0.70312
							0.974822	0.009195	0.24113		13.0078	
							0.986269	0.009195	0.243164		13.1836	
							0.993137					
							1.00229					
							1.01145					
							1.01603					
92343				652	179	223.594	1.01832	0.007161	0.24113	7.91014	13.1836	-0.70312
							1.01832	0.005126	0.24113	7.73436	13.1836	-0.35156
							1.00916	0.009195	0.239095		13.1836	
							1.00458	0.007161	0.235026		13.1836	
							1.00001					
							0.995426					
							0.986269					
							0.972533					
92344	2	42	50	688	178.5	223.594	0.958796	0.007161	0.235026	7.20702	13.1836	-0.35156
							0.954217	0.005126	0.235026	7.20702	13.0078	0

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.958796	0.003092	0.235026		13.0078	
							0.965664	0.003092	0.235026		13.0078	
							0.967954					
							0.972533					
							0.970243					
							0.963375					
92345				720	179.5	223.242	0.970243	0.003092	0.235026	7.20702	13.0078	0
							0.98169	0.003092	0.235026	7.3828	13.0078	0
							0.986269	0.003092	0.23706		13.0078	
							0.990848	0.003092	0.235026		13.0078	
							0.993137					
							0.997715					
							0.995426					
							0.990848					
92346				756	179.5	223.242	0.979401	0.005126	0.23706	7.3828	13.0078	-0.35156
							0.979401	0.009195	0.239095	7.20702	13.0078	-0.70312
							0.993137	0.01123	0.23706		13.1836	
							0.986269	0.01123	0.239095		13.1836	
							0.98169					
							0.983979					
							0.993137					
							1.00458					
92347				792	180	223.242	0.997715	0.009195	0.235026	7.20702	13.1836	-0.70312
							0.983979	0.001057	0.235026	7.3828	13.1836	-0.70312
							0.972533	0.003092	0.235026		13.1836	
							0.972533	0.009195	0.235026		13.1836	
							0.98169					
							0.986269					
							0.988558					
							0.990848					
92348	2	42	54	832	180	222.891	1.00001	0.01123	0.235026	7.3828	13.1836	-0.35156
							0.988558	0.007161	0.235026	7.20702	13.1836	-0.35156
							0.983979	0.009195	0.235026		13.3594	
							0.986269	0.01123	0.235026		13.3594	
							0.988558					
							0.983979					
							0.983979					
							0.988558					
92349				868	181	222.891	0.983979	0.007161	0.230957	7.20702	13.3594	0
							0.98169	0.003092	0.232991	7.20702	13.1836	0
							0.972533	-0.00301	0.232991		13.1836	
							0.970243	0.003092	0.230957		13.1836	
							0.98169					
							0.983979					
							0.979401					
							0.979401					
92350				904	180.5	222.539	0.967954	-0.00301	0.228922	6.85546	13.0078	-0.35156
							0.965664	0.005126	0.228922	6.5039	13.0078	-0.70312
							0.956507	0.007161	0.228922		12.832	
							0.94277	0.009195	0.230957		12.832	
							0.933613					
							0.938192					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.940481					
							0.951928					
92351				940	181.5	222.539	0.951928	0.013264	0.228922	6.85546	12.832	-1.40625
							0.958796	0.009195	0.232991	7.03124	12.832	-1.40625
							0.954217	0.01123	0.232991		13.0078	
							0.974822	0.01123	0.235026		13.1836	
							0.997715					
							0.993137					
							0.988558					
							1.00458					
92352	2	42	58	976	181	222.539	1.00001	0.013264	0.23706	7.20702	13.1836	-1.40625
							0.990848	0.01123	0.232991	7.20702	13.3594	-1.75781
							0.995426	0.007161	0.232991		13.3594	
							0.986269	0.009195	0.23706		13.5351	
							0.988558					
							0.990848					
							0.990848					
							1.00458					
92353				1016	181.5	222.188	1.0229	0.009195	0.239095	7.73436	13.5351	-2.10937
							1.03435	0.007161	0.232991	7.55858	13.7109	-2.10937
							1.02977	0.007161	0.235026		13.7109	
							1.0229	0.01123	0.235026		13.7109	
							1.0229					
							1.02977					
							1.03892					
							1.01145					
92354				1052	181.5	221.836	0.993137	0.01123	0.232991	7.03124	13.7109	-2.46093
							0.997715	0.007161	0.235026	7.20702	13.7109	-3.16406
							0.995426	0.003092	0.232991		13.7109	
							0.993137	0.007161	0.232991		13.7109	
							0.997715					
							0.997715					
							1.01145					
							1.02519					
92355				1096	183	221.484	1.02061	0.009195	0.235026	7.3828	13.8867	-3.86718
							1.01374	0.013264	0.232991	7.20702	13.8867	-3.86718
							1.01374	0.009195	0.230957		13.8867	
							1.00916	0.013264	0.232991		13.8867	
							0.997715					
							1.00687					
							1.00458					
							1.00001					
92356	2	43	2	1136	183	221.133	0.997715	0.015299	0.230957	7.03124	13.8867	-3.86718
							1.00001	0.015299	0.230957	7.03124	13.8867	-3.86718
							0.995426	0.007161	0.230957		14.0625	
							1.00229	0.005126	0.230957		14.0625	
							1.00916					
							1.00001					
							1.00687					
							1.01374					
92357				1180	184	220.43	1.00687	0.007161	0.230957	7.03124	14.0625	-3.86718
							1.01145	0.01123	0.230957	7.03124	14.0625	-3.86718

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.01374	0.007161	0.228922		14.0625	
							1.01145	0.001057	0.228922		14.2383	
							1.01374					
							1.01374					
							1.00916					
							1.00687					
92358				1220	184	220.078	1.00916	0.005126	0.228922	7.03124	14.2383	-4.21874
							1.01374	0.005126	0.226888	7.03124	14.2383	-5.27343
							1.01603	0.005126	0.220784		14.2383	
							1.00916	0.007161	0.21875		14.2383	
							1.00916					
							1.00458					
							1.00001					
							0.990848					
92359				1268	184	219.375	0.972533	0.01123	0.216715	6.67968	14.0625	-6.32812
							0.979401	0.015299	0.214681	6.85546	14.0625	-6.67968
							0.972533	0.025471	0.214681		14.0625	
							0.972533	0.021403	0.214681		14.0625	
							0.986269					
							0.98169					
							0.974822					
							0.977111					
92360	2	43	6	1312	184	219.023	0.977111	0.023437	0.212646	6.67968	14.0625	-6.67968
							0.974822	0.017333	0.210612	6.85546	14.0625	-6.67968
							0.979401	0.017333	0.210612		14.0625	
							0.988558	0.015299	0.210612		14.0625	
							0.988558					
							0.986269					
							0.988558					
							0.995426					
92361				1352	183	218.32	0.970243	0.01123	0.210612	6.67968	14.0625	-7.3828
							0.974822	0.009195	0.210612	6.5039	13.8867	-8.43749
							0.967954	0.009195	0.208577		13.8867	
							0.961086	0.017333	0.208577		13.8867	
							0.949639					
							0.94735					
							0.94506					
							0.94506					
92362				1396	184	216.914	0.935903	0.019368	0.210612	6.32812	13.8867	-10.8984
							0.940481	0.015299	0.210612	6.5039	13.7109	-12.3047
							0.954217	0.019368	0.212646		13.7109	
							0.967954	0.027506	0.216715		13.8867	
							0.967954					
							0.970243					
							0.977111					
							0.997715					
92363				1440	184	215.859	1.01145	0.021403	0.216715	7.20702	13.8867	-12.6562
							1.0229	0.01123	0.216715	7.20702	13.8867	-13.3594
							1.02748	0.015299	0.21875		14.0625	
							1.0435	0.015299	0.214681		14.0625	
							1.03206					
							1.01145					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.993137					
							0.983979					
92364	2	43	10	1484	183.5	213.75	0.990848	0.015299	0.216715	7.03124	14.0625	-13.7109
							1.00001	0.015299	0.21875	7.55858	14.0625	-14.7656
							1.00687	0.007161	0.220784		14.2383	
							1.01374	0.009195	0.220784		14.2383	
							1.01832					
							1.02519					
							1.02519					
							1.02061					
92365				1528	183	212.344	1.01145	0.017333	0.224853	7.55858	14.414	-15.4687
							1.01145	0.013264	0.222819	7.55858	14.414	-16.1719
							1.02061	0.013264	0.224853		14.5898	
							1.01603	0.01123	0.230957		14.7656	
							1.01832					
							1.03206					
							1.06182					
							1.08471					
92366				1576	183.5	210.234	1.09387	0.013264	0.232991	8.43749	14.9414	-16.1719
							1.09387	0.015299	0.235026	8.96483	15.2929	-16.1719
							1.1099	0.007161	0.232991		15.4687	
							1.10761	0.007161	0.222819		15.4687	
							1.11676					
							1.11447					
							1.08929					
							1.0664					
92367				1624	183	208.477	1.04808	0.013264	0.224853	8.26171	15.4687	-16.1719
							1.02519	0.019368	0.222819	7.91014	15.4687	-16.1719
							1.00687	0.019368	0.220784		15.2929	
							0.993137	0.017333	0.216715		14.9414	
							0.988558					
							0.977111					
							0.970243					
							0.956507					
92368	2	43	14	1668	182.5	207.07	0.949639	0.013264	0.214681	7.3828	14.7656	-16.1719
							0.94277	0.009195	0.212646	7.03124	14.414	-16.1719
							0.933613	0.009195	0.210612		14.2383	
							0.929034	0.009195	0.210612		14.0625	
							0.924456					
							0.919877					
							0.917587					
							0.915298					
92369				1708	183	205.312	0.910719	0.007161	0.210612	6.85546	13.8867	-16.875
							0.90614	0.009195	0.210612	6.67968	13.7109	-17.9297
							0.903851	0.01123	0.210612		13.5351	
							0.903851	0.013264	0.210612		13.3594	
							0.903851					
							0.901562					
							0.903851					
							0.903851					
92370				1748	183.5	203.906	0.901562	0.013264	0.210612	6.67968	13.3594	-18.2812
							0.903851	0.013264	0.210612	6.67968	13.0078	-19.3359

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.901562	0.015299	0.210612		13.0078	
							0.90614	0.017333	0.210612		12.832	
							0.903851					
							0.901562					
							0.903851					
							0.901562					
92371				1784	184.5	202.148	0.903851	0.017333	0.210612	6.67968	12.6562	-19.6875
							0.901562	0.017333	0.210612	6.67968	12.4805	-20.039
							0.901562	0.017333	0.210612		12.3047	
							0.899272	0.017333	0.208577		12.1289	
							0.899272					
							0.899272					
							0.896983					
							0.899272					
92372	2	43	18	1816	185.5	200.742	0.892404	0.019368	0.208577	6.5039	11.9531	-20.039
							0.890115	0.019368	0.208577	6.5039	11.7773	-20.3906
							0.890115	0.015299	0.206543		11.4258	
							0.890115	0.017333	0.208577		11.4258	
							0.892404					
							0.890115					
							0.887825					
							0.883247					
92373				1844	186.5	198.984	0.885536	0.015299	0.206543	6.32812	11.0742	-20.7422
							0.887825	0.015299	0.208577	6.5039	10.8984	-20.7422
							0.890115	0.013264	0.210612		10.7226	
							0.896983	0.009195	0.210612		10.7226	
							0.903851					
							0.913009					
							0.926745					
							0.935903					
92374				1868	187.5	196.875	0.940481	0.013264	0.212646	6.85546	10.5469	-21.0937
							0.94506	0.013264	0.212646	7.20702	10.5469	-21.4453
							0.949639	0.013264	0.214681		10.3711	
							0.954217	0.013264	0.216715		10.3711	
							0.958796					
							0.965664					
							0.972533					
							0.977111					
92375				1892	188.5	194.766	0.979401	0.015299	0.216715	7.3828	10.3711	-21.7968
							0.974822	0.015299	0.216715	7.3828	10.1953	-21.7968
							0.977111	0.015299	0.216715		10.1953	
							0.98169	0.015299	0.214681		10.0195	
							0.979401					
							0.979401					
							0.977111					
							0.977111					
92376	2	43	22	1912	190	193.008	0.972533	0.015299	0.216715	7.3828	9.84374	-21.7968
							0.977111	0.015299	0.216715	7.3828	9.84374	-21.4453
							0.979401	0.013264	0.216715		9.66795	
							0.979401	0.013264	0.216715		9.66795	
							0.986269					
							0.988558					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.986269					
							0.983979					
92377				1932	191.5	190.898	0.979401	0.015299	0.214681	7.3828	9.49217	-21.4453
							0.98169	0.013264	0.216715	7.3828	9.49217	-21.0937
							0.986269	0.01123	0.216715		9.49217	
							0.983979	0.01123	0.216715		9.49217	
							0.990848					
							0.993137					
							0.995426					
							0.997715					
92378				1948	193	189.141	1.00001	0.01123	0.216715	7.55858	9.31639	-20.7422
							1.00229	0.01123	0.216715	7.3828	9.31639	-20.3906
							1.00001	0.01123	0.216715		9.31639	
							1.00001	0.01123	0.216715		9.14061	
							0.997715					
							0.995426					
							1.00001					
							1.00001					
92379				1964	194.5	187.031	1.00229	0.009195	0.214681	7.3828	9.14061	-20.3906
							1.00001	0.009195	0.214681	7.3828	9.14061	-20.3906
							0.997715	0.009195	0.216715		8.96483	
							0.995426	0.01123	0.216715		8.96483	
							0.993137					
							0.995426					
							1.00001					
							1.00687					
92380	2	43	26	1980	196.5	185.273	1.01374	0.01123	0.220784	7.55858	8.96483	-20.3906
							1.02061	0.01123	0.220784	7.91014	9.14061	-20.3906
							1.02748	0.01123	0.224853		9.14061	
							1.04121	0.009195	0.228922		9.49217	
							1.05266					
							1.06869					
							1.08471					
							1.09387					
92381				2000	198.5	183.164	1.10532	0.01123	0.230957	8.43749	9.66795	-20.7422
							1.11447	0.015299	0.232991	8.96483	9.84374	-21.0937
							1.11905	0.017333	0.235026		10.0195	
							1.12821	0.017333	0.232991		10.1953	
							1.1305					
							1.13279					
							1.12592					
							1.11676					
92382				2020	200.5	181.406	1.11218	0.019368	0.232991	8.78905	10.1953	-21.0937
							1.10303	0.017333	0.230957	8.61327	10.1953	-21.0937
							1.10074	0.017333	0.228922		10.1953	
							1.08929	0.017333	0.228922		10.1953	
							1.08242					
							1.07784					
							1.07098					
							1.06411					
92383				2040	202	179.297	1.06182	0.017333	0.226888	8.43749	10.1953	-20.7422
							1.05724	0.015299	0.226888	8.43749	10.1953	-20.7422

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.05495	0.01123	0.228922		10.1953	
							1.05724	0.007161	0.230957		10.1953	
							1.05724					
							1.05037					
							1.05037					
							1.05495					
92384	2	43	30	2064	203.5	177.539	1.05953	0.007161	0.230957	8.43749	10.1953	-21.0937
							1.06411	0.015299	0.232991	8.61327	10.3711	-21.0937
							1.07327	0.013264	0.235026		10.3711	
							1.08242	0.015299	0.23706		10.7226	
							1.08242					
							1.08471					
							1.09387					
							1.10074					
92385				2084	205	175.43	1.10532	0.013264	0.23706	8.96483	10.7226	-21.4453
							1.1099	0.013264	0.23706	8.96483	10.7226	-21.4453
							1.11218	0.015299	0.23706		10.8984	
							1.11218	0.015299	0.23706		11.0742	
							1.11218					
							1.11218					
							1.11218					
							1.11676					
92386				2112	206	173.672	1.11447	0.013264	0.23706	8.96483	11.0742	-21.4453
							1.11676	0.013264	0.23706	8.78905	11.0742	-21.4453
							1.11676	0.015299	0.23706		11.25	
							1.11676	0.017333	0.235026		11.25	
							1.11676					
							1.11447					
							1.11447					
							1.11218					
92387				2136	207.5	171.562	1.11218	0.015299	0.235026	8.61327	11.25	-21.0937
							1.11447	0.015299	0.23706	8.61327	11.4258	-21.0937
							1.11447	0.015299	0.235026		11.4258	
							1.11676	0.015299	0.232991		11.4258	
							1.12134					
							1.12134					
							1.12134					
							1.11676					
92388	2	43	34	2168	208.5	169.805	1.1099	0.015299	0.230957	8.61327	11.6015	-20.7422
							1.09845	0.015299	0.228922	8.26171	11.4258	-20.7422
							1.08929	0.013264	0.224853		11.4258	
							1.08242	0.01123	0.220784		11.0742	
							1.07784					
							1.06869					
							1.05495					
							1.03663					
92389				2196	209	168.047	1.01603	0.01123	0.216715	7.55858	10.8984	-20.7422
							1.00001	0.01123	0.214681	7.03124	10.8984	-20.7422
							0.983979	0.01123	0.214681		10.5469	
							0.977111	0.009195	0.212646		10.3711	
							0.967954					
							0.967954					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.972533					
							0.965664					
92390				2224	210.5	166.992	0.963375	0.01123	0.214681	6.67968	10.1953	-20.7422
							0.974822	0.015299	0.216715	7.03124	10.1953	-20.7422
							0.990848	0.015299	0.21875		10.3711	
							1.01145	0.015299	0.220784		10.5469	
							1.02748					
							1.04121					
							1.05495					
							1.06869					
92391				2252	212	164.883	1.08242	0.015299	0.222819	7.55858	10.7226	-20.7422
							1.08929	0.015299	0.226888	7.91014	10.7226	-20.3906
							1.09616	0.015299	0.226888		11.0742	
							1.10074	0.017333	0.226888		11.0742	
							1.1099					
							1.11447					
							1.11447					
							1.1099					
92392	2	43	38	2284	213.5	163.125	1.1099	0.017333	0.224853	7.91014	11.25	-20.3906
							1.1099	0.017333	0.224853	7.73436	11.25	-20.039
							1.10532	0.017333	0.222819		11.25	
							1.10532	0.015299	0.220784		11.25	
							1.10074					
							1.09845					
							1.08929					
							1.08242					
92393				2320	214.5	161.367	1.08013	0.017333	0.220784	7.55858	11.25	-20.039
							1.08929	0.015299	0.220784	7.20702	11.4258	-19.6875
							1.08929	0.017333	0.21875		11.4258	
							1.08471	0.021403	0.21875		11.4258	
							1.07555					
							1.0664					
							1.07098					
							1.07784					
92394				2352	215.5	159.609	1.08471	0.013264	0.21875	7.3828	11.4258	-19.3359
							1.09158	0.009195	0.21875	7.55858	11.6015	-18.6328
							1.10532	0.01123	0.220784		11.6015	
							1.11218	0.01123	0.21875		11.7773	
							1.11218					
							1.09845					
							1.09158					
							1.08471					
92395				2392	215.5	157.5	1.08471	0.013264	0.21875	7.3828	11.7773	-18.6328
							1.09158	0.015299	0.21875	7.3828	11.9531	-17.9297
							1.09387	0.013264	0.220784		11.9531	
							1.08929	0.007161	0.220784		12.1289	
							1.08471					
							1.09616					
							1.12134					
							1.13737					
92396	2	43	42	2432	216	155.742	1.12821	0.001057	0.220784	7.73436	12.3047	-17.5781
							1.12363	0.003092	0.220784	7.55858	12.3047	-17.5781

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.12363	0.003092	0.220784		12.4805	
							1.11447	0.003092	0.21875		12.4805	
							1.1099					
							1.10761					
							1.10303					
							1.09845					
92397				2472	216.5	154.336	1.09387	0.005126	0.216715	7.3828	12.6562	-17.2265
							1.09387	0.013264	0.216715	7.20702	12.832	-16.1719
							1.08929	0.017333	0.216715		12.832	
							1.08471	0.013264	0.21875		12.832	
							1.07555					
							1.07784					
							1.09158					
							1.10303					
92398				2520	216.5	152.93	1.10761	0.005126	0.21875	7.3828	13.1836	-15.1172
							1.12134	0.005126	0.222819	7.91014	13.3594	-14.414
							1.1305	0.005126	0.222819		13.5351	
							1.14195	0.003092	0.222819		13.7109	
							1.15797					
							1.15797					
							1.16484					
							1.16713					
92399				2572	217	151.523	1.16026	0.003092	0.222819	8.08593	13.8867	-14.414
							1.14195	0.009195	0.21875	7.73436	14.0625	-14.414
							1.1305	0.007161	0.216715		14.0625	
							1.12134	0.007161	0.214681		14.0625	
							1.10303					
							1.10303					
							1.09616					
							1.087					
92400	2	43	46	2624	216.5	150.469	1.10074	0.015299	0.214681	7.55858	14.2383	-14.414
							1.10303	0.009195	0.212646	7.03124	14.2383	-14.414
							1.08929	0.01123	0.210612		14.2383	
							1.06182	0.01123	0.206543		14.0625	
							1.05037					
							1.0435					
							1.03663					
							1.02748					
92401				2676	216.5	149.766	1.01145	0.01123	0.204508	6.5039	14.0625	-14.414
							0.993137	0.017333	0.204508	6.5039	13.8867	-14.0625
							0.993137	0.015299	0.204508		13.8867	
							0.997715	0.017333	0.204508		13.8867	
							1.00458					
							1.00687					
							0.995426					
							0.98169					
92402				2728	216	148.711	0.98169	0.017333	0.202474	6.15233	13.8867	-13.7109
							0.983979	0.015299	0.202474	6.32812	13.8867	-13.3594
							0.983979	0.013264	0.204508		13.8867	
							0.988558	0.01123	0.204508		13.8867	
							0.995426					
							1.00001					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.997715					
							0.997715					
92403				2784	216.5	147.656	1.00001	0.009195	0.202474	6.32812	13.8867	-13.0078
							1.00001	0.005126	0.204508	6.32812	13.8867	-13.0078
							0.997715	0.003092	0.204508		13.8867	
							0.997715	0.005126	0.204508		13.8867	
							1.00687					
							1.01145					
							1.01145					
							1.00687					
92404	2	43	50	2840	217	146.602	1.01145	0.007161	0.204508	6.5039	14.0625	-13.0078
							1.01603	0.009195	0.204508	6.67968	14.0625	-13.0078
							1.01832	0.01123	0.204508		14.0625	
							1.01374	0.009195	0.204508		14.0625	
							1.01603					
							1.01832					
							1.01832					
							1.02061					
92405				2892	217	145.547	1.01832	0.007161	0.204508	6.67968	14.0625	-12.3047
							1.01374	0.003092	0.202474	6.32812	14.0625	-11.6015
							1.00916	0.005126	0.202474		14.0625	
							1.00458	0.007161	0.200439		13.8867	
							1.00001					
							0.98169					
							0.977111					
							0.983979					
92406				2948	216.5	144.844	0.98169	0.005126	0.202474	6.15233	13.8867	-10.1953
							0.990848	0.007161	0.202474	6.32812	13.8867	-9.14061
							1.00458	0.005126	0.202474		14.0625	
							1.00916	0.003092	0.202474		14.0625	
							1.00687					
							1.00229					
							0.997715					
							0.997715					
92407				3004	216.5	144.141	1.00916	0.003092	0.204508	6.32812	14.2383	-8.43749
							1.01832	0.007161	0.206543	6.85546	14.414	-8.08593
							1.02519	0.005126	0.208577		14.414	
							1.03435	0.003092	0.208577		14.5898	
							1.05037					
							1.05724					
							1.05266					
							1.05266					
92408	2	43	54	3064	216	143.438	1.04579	0.005126	0.208577	6.85546	14.7656	-8.08593
							1.04121	0.005126	0.208577	6.85546	14.7656	-8.08593
							1.02977	0.007161	0.210612		14.9414	
							1.03206	0.013264	0.212646		15.1172	
							1.03892					
							1.05266					
							1.06869					
							1.07555					
92409				3124	216	142.734	1.07784	0.01123	0.212646	7.20702	15.2929	-7.73436
							1.087	0.009195	0.214681	7.3828	15.6445	-7.3828

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.09387	0.007161	0.216715		15.8203	
							1.09845	0.009195	0.216715		15.9961	
							1.09616					
							1.10303					
							1.10303					
							1.09616					
92410				3188	214.5	142.383	1.10074	0.009195	0.214681	7.55858	16.1719	-7.3828
							1.10761	0.009195	0.214681	7.55858	16.1719	-7.03124
							1.09158	0.009195	0.210612		16.3476	
							1.087	0.01123	0.206543		16.3476	
							1.08471					
							1.0664					
							1.03892					
							1.02519					
92411				3252	214	141.68	1.01603	0.009195	0.206543	6.85546	16.1719	-7.03124
							1.00687	0.009195	0.206543	6.5039	16.1719	-7.03124
							0.997715	0.007161	0.204508		16.1719	
							0.986269	0.005126	0.204508		16.1719	
							0.98169					
							0.98169					
							0.98169					
							0.993137					
92412	2	43	58	3320	213.5	141.328	1.00458	0.007161	0.208577	6.67968	16.3476	-6.67968
							1.01832	0.007161	0.210612	7.20702	16.3476	-6.67968
							1.04121	-0.00301	0.214681		16.875	
							1.05495	0.001057	0.21875		17.2265	
							1.0664					
							1.07555					
							1.09616					
							1.10761					
92413				3392	212	140.625	1.11218	0.005126	0.222819	7.91014	17.5781	-6.67968
							1.11905	0.013264	0.224853	8.26171	17.7539	-6.67968
							1.12363	0.017333	0.224853		17.9297	
							1.12592	0.013264	0.222819		18.2812	
							1.12821					
							1.12821					
							1.1099					
							1.10303					
92414				3468	209.5	140.273	1.1099	0.001057	0.21875	7.91014	18.457	-6.67968
							1.11676	-0.02742	0.220784	8.43749	18.6328	-6.67968
							1.10303	-0.00097	0.224853		18.8086	
							1.09616	0.007161	0.228922		18.9843	
							1.11447					
							1.11676					
							1.09158					
							1.1099					
92415				3544	209.5	139.922	1.12592	0.003092	0.226888	8.78905	19.1601	-7.03124
							1.12134	0.019368	0.226888	8.26171	19.3359	-6.67968
							1.1099	0.009195	0.21875		19.3359	
							1.10074	0.003092	0.220784		19.3359	
							1.07784					
							1.05266					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUI ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.04121					
							1.04121					
92416	2	44	2	3624	207	139.922	1.00687	0.013264	0.216715	7.91014	19.3359	-5.62499
							1.0229	0.005126	0.216715	8.08593	19.1601	-3.86718
							1.04121	0.003092	0.224853		19.3359	
							1.03435	0.009195	0.222819		19.5117	
							1.05037					
							1.06869					
							1.06411					
							1.06182					
92417				3712	206	139.57	1.05724	0.01123	0.222819	7.91014	19.6875	-2.8125
							1.05266	0.013264	0.224853	8.26171	20.039	-1.75781
							1.05495	0.01123	0.228922		20.2148	
							1.05266	0.017333	0.228922		20.5664	
							1.0664					
							1.08013					
							1.08929					
							1.10303					
92418				3796	204.5	139.57	1.10761	0.01123	0.232991	8.96483	20.7422	-1.05469
							1.11447	0.009195	0.230957	8.96483	20.9179	-0.35156
							1.12134	0.001057	0.226888		20.9179	
							1.09616	0.005126	0.222819		20.9179	
							1.09158					
							1.08242					
							1.06182					
							1.03892					
92419				3880	203	139.57	1.00916	-0.00301	0.214681	8.26171	20.5664	0
							0.977111	-0.01114	0.202474	6.67968	20.3906	0.351562
							0.933613	-0.00504	0.202474		20.039	
							0.899272	0.001057	0.204508		19.6875	
							0.864932					
							0.853485					
							0.862642					
							0.860353					
92420	2	44	6	3964	201	139.57	0.874089	0.003092	0.206543	6.5039	19.5117	0.351562
							0.896983	-0.00097	0.208577	7.20702	19.5117	0.351562
							0.90614	-0.00911	0.208577		19.5117	
							0.90614	-0.01725	0.210612		19.6875	
							0.915298					
							0.922166					
							0.90614					
							0.90843					
92421				4056	199	139.57	0.913009	-0.01521	0.210612	7.03124	19.8633	0.351562
							0.922166	-0.00504	0.214681	7.03124	20.039	0.703124
							0.929034	0.007161	0.214681		20.2148	
							0.933613	0.015299	0.222819		20.3906	
							0.924456					
							0.90843					
							0.917587					
							0.94506					
92422				4136	196.5	140.273	0.963375	0.009195	0.224853	7.91014	20.5664	1.40625
							0.974822	-0.00301	0.226888	8.78905	21.0937	2.8125

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							0.974822	-0.00911	0.230957		21.2695	
							0.993137	-0.00301	0.235026		21.6211	
							1.02061					
							1.03435					
							1.03663					
							1.03892					
92423				4220	194.5	140.625	1.05266	0.001057	0.23706	9.49217	21.7968	3.86718
							1.05495	-0.00911	0.235026	9.66795	21.9726	5.27343
							1.05266	-0.01521	0.232991		22.1484	
							1.0435	-0.02132	0.226888		22.1484	
							1.05724					
							1.05495					
							1.02977					
							1.00458					
92424	2	44	10	4308	195	141.328	0.995426	-0.01521	0.220784	9.14061	21.9726	5.62499
							0.977111	-0.00708	0.224853	8.43749	21.4453	5.27343
							0.967954	-0.01725	0.216715		21.0937	
							0.963375	-0.01521	0.208577		20.9179	
							0.94735					
							0.880957					
							0.823723					
							0.79625					
92425				4388	192	142.383	0.814565	-0.01928	0.208577	7.55858	20.2148	6.32812
							0.842038	-0.02742	0.206543	6.85546	19.8633	7.03124
							0.83517	-0.01521	0.200439		19.5117	
							0.837459	-0.00504	0.204508		19.1601	
							0.821434					
							0.79854					
							0.757331					
							0.743595					
92426				4460	190	143.438	0.732148	0.013264	0.208577	6.32812	18.9843	6.67968
							0.734437	-0.01318	0.202474	6.85546	18.457	6.32812
							0.752752	-0.02132	0.204508		18.2812	
							0.791671	-0.01114	0.210612		18.2812	
							0.800829					
							0.803118					
							0.826012					
							0.821434					
92427				4532	190	144.844	0.821434	-0.00708	0.212646	7.3828	18.1054	5.62499
							0.858064	-0.00097	0.212646	7.55858	18.1054	5.62499
							0.858064	0.009195	0.212646		18.1054	
							0.846617	0.017333	0.214681		18.1054	
							0.851195					
							0.869511					
							0.8718					
							0.864932					
92428	2	44	14	4600	188.5	146.25	0.864932	0.015299	0.216715	7.73436	18.1054	5.62499
							0.855774	0.013264	0.214681	7.73436	17.7539	7.03124
							0.842038	0.009195	0.212646		17.4023	
							0.839748	0.009195	0.212646		17.4023	
							0.83517					
							0.837459					

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							0.837459					
							0.839748					
92429				4660	188	146.953	0.848906	0.009195	0.214681	7.73436	17.0508	8.08593
							0.858064	0.009195	0.214681	7.73436	17.0508	9.14061
							0.853485	0.009195	0.212646		16.875	
							0.844327	0.009195	0.214681		16.6992	
							0.848906					
							0.853485					
							0.855774					
							0.855774					
92430				4720	187.5	148.008	0.846617	0.009195	0.214681	7.73436	16.6992	9.84374
							0.846617	0.005126	0.214681	7.91014	16.5234	10.8984
							0.858064	0.005126	0.214681		16.3476	
							0.864932	0.003092	0.214681		16.1719	
							0.864932					
							0.855774					
							0.848906					
							0.844327					
92431				4772	187	148.711	0.837459	-0.00097	0.214681	7.73436	15.8203	11.9531
							0.83288	-0.00097	0.214681	7.73436	15.6445	12.3047
							0.83517	-0.00097	0.214681		15.4687	
							0.83288	-0.00301	0.216715		15.4687	
							0.837459					
							0.848906					
							0.853485					
							0.862642					
92432	2	44	18	4824	186.5	149.414	0.878668	-0.00301	0.21875	8.08593	15.4687	12.6562
							0.890115	-0.00097	0.222819	8.96483	15.6445	12.6562
							0.901562	-0.00097	0.228922		15.6445	
							0.917587	0.001057	0.228922		15.8203	
							0.929034					
							0.94277					
							0.956507					
							0.956507					
92433				4876	186	150.82	0.951928	0.003092	0.228922	9.14061	15.9961	12.3047
							0.94506	0.005126	0.230957	9.49217	15.9961	11.9531
							0.949639	0.001057	0.230957		15.9961	
							0.951928	0.001057	0.230957		15.9961	
							0.94506					
							0.94277					
							0.940481					
							0.935903					
92434				4920	185.5	151.875	0.935903	0.003092	0.228922	9.31639	15.8203	11.6015
							0.933613	0.009195	0.230957	9.31639	15.8203	11.9531
							0.926745	0.003092	0.230957		15.8203	
							0.931324	-0.00097	0.228922		15.8203	
							0.938192					
							0.94277					
							0.94735					
							0.956507					
92435				4968	185.5	152.93	0.956507	-0.00301	0.228922	9.49217	15.8203	13.0078
							0.956507	-0.00097	0.226888	9.31639	15.6445	13.7109

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							0.958796	-0.00301	0.222819		15.4687	
							0.94735	-0.00504	0.21875		15.1172	
							0.933613					
							0.917587					
							0.903851					
							0.876379					
92436	2	44	22	5008	185	153.633	0.858064	-0.00504	0.214681	8.61327	14.9414	13.7109
							0.846617	0.001057	0.214681	7.91014	14.414	13.7109
							0.83517	-0.00301	0.212646		14.0625	
							0.823723	-0.00301	0.210612		13.3594	
							0.816854					
							0.805408					
							0.800829					
							0.79854					
92437				5044	184.5	154.688	0.793961	-0.00504	0.210612	7.55858	13.1836	13.7109
							0.793961	-0.00708	0.212646	7.55858	13.0078	13.7109
							0.79854	-0.00504	0.214681		13.0078	
							0.807697	-0.00301	0.220784		13.0078	
							0.814565					
							0.826012					
							0.844327					
							0.869511					
92438				5076	185.5	155.742	0.890115	-0.00301	0.224853	8.61327	13.0078	14.0625
							0.90843	-0.00708	0.226888	9.31639	13.1836	14.414
							0.924456	-0.00301	0.232991		13.3594	
							0.938192	-0.00097	0.23706		13.5351	
							0.951928					
							0.967954					
							0.983979					
							0.993137					
92439				5112	186	157.5	1.00687	-0.00301	0.23706	10.0195	13.7109	15.4687
							1.00687	-0.00708	0.239095	10.1953	13.7109	16.5234
							1.00687	-0.00504	0.239095		13.7109	
							1.01374	-0.00708	0.239095		13.7109	
							1.01145					
							1.00687					
							1.00916					
							1.01145					
92440	2	44	26	5144	186.5	158.906	1.00687	-0.00708	0.23706	10.3711	13.7109	16.875
							1.00229	-0.00504	0.235026	10.0195	13.7109	16.875
							1.00001	-0.00708	0.235026		13.7109	
							1.00001	-0.00911	0.232991		13.5351	
							0.990848					
							0.988558					
							0.98169					
							0.970243					
92441				5172	186	160.664	0.963375	-0.01114	0.230957	9.84374	13.3594	16.875
							0.967954	-0.00504	0.232991	9.84374	13.3594	16.875
							0.965664	-0.00301	0.232991		13.1836	
							0.972533	-0.00097	0.232991		13.0078	
							0.977111					
							0.974822					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							0.970243					
							0.970243					
92442				5204	186.5	162.422	0.972533	-0.00097	0.230957	9.66795	13.0078	16.5234
							0.961086	-0.00504	0.228922	9.31639	12.832	16.1719
							0.954217	-0.00504	0.228922		12.832	
							0.94506	-0.00301	0.230957		12.6562	
							0.940481					
							0.94735					
							0.951928					
							0.961086					
92443				5232	187	164.18	0.963375	0.001057	0.232991	9.66795	12.6562	16.1719
							0.967954	0.007161	0.232991	10.0195	12.6562	16.1719
							0.98169	0.005126	0.23706		12.6562	
							0.986269	0.005126	0.239095		12.832	
							0.986269					
							1.00916					
							1.0229					
							1.02061					
92444	2	44	30	5260	187.5	165.938	1.02748	-0.00097	0.24113	10.3711	13.0078	16.1719
							1.0435	-0.00097	0.239095	10.3711	13.0078	16.1719
							1.05037	-0.00301	0.24113		13.1836	
							1.03892	-0.00911	0.239095		13.1836	
							1.03663					
							1.04121					
							1.03663					
							1.03435					
92445				5288	188.5	167.695	1.02977	-0.00097	0.23706	10.3711	13.1836	16.1719
							1.03206	0.007161	0.239095	10.3711	13.1836	16.5234
							1.03663	0.007161	0.239095		13.0078	
							1.03435	-0.00301	0.232991		13.0078	
							1.03663					
							1.02519					
							1.01603					
							1.01145					
92446				5320	189	169.102	0.990848	-0.00708	0.228922	9.84374	12.832	17.2265
							0.993137	-0.00504	0.230957	9.66795	12.6562	17.9297
							0.988558	-0.00301	0.228922		12.6562	
							0.979401	-0.00504	0.226888		12.4805	
							0.988558					
							0.979401					
							0.970243					
							0.970243					
92447				5344	189.5	170.859	0.972533	-0.00708	0.228922	9.31639	12.4805	18.2812
							0.979401	-0.00708	0.228922	9.49217	12.3047	20.039
							0.988558	-0.00708	0.228922		12.3047	
							0.995426	-0.00708	0.226888		12.1289	
							0.993137					
							0.995426					
							0.993137					
							0.993137					
92448	2	44	34	5372	191	172.266	1.00001	-0.00911	0.228922	9.49217	12.1289	21.4453
							1.00229	-0.00911	0.226888	9.14061	12.1289	22.8515

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES	GMT SECONDS (SECONDS	ALTITUDE (29 92) (FEET)	COMPUTE AIRSPD (KNOTS)	MAGNETI HEADING EFIS (DEG)	VERT ACCEL (G's)	LATERAL ACCEL (G's)	LONGITUD ACCEL (G's)	AOA (DEG)	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)
							1.01145	-0.01725	0.224853		11.9531	
							0.993137	-0.01521	0.224853		11.9531	
							0.979401					
							0.988558					
							0.990848					
							0.983979					
92449				5396	192	174.727	0.990848	-0.01521	0.224853	9.31639	11.7773	23.5547
							0.988558	-0.01521	0.224853	9.31639	11.6015	24.2578
							0.993137	-0.01928	0.224853		11.6015	
							0.997715	-0.01725	0.222819		11.4258	
							0.993137					
							0.988558					
							0.993137					
							0.988558					
92450				5420	193.5	176.484	0.974822	-0.01521	0.220784	9.14061	11.25	24.6093
							0.963375	-0.02132	0.220784	8.96483	11.0742	26.0156
							0.963375	-0.01928	0.220784		11.0742	
							0.963375	-0.01928	0.220784		10.8984	
							0.958796					
							0.963375					
							0.972533					
							0.974822					
92451				5436	195	179.648	0.979401	-0.02335	0.220784	8.96483	10.7226	27.7734
							0.98169	-0.02539	0.220784	8.96483	10.3711	31.6406
							0.988558	-0.02539	0.220784		10.1953	
							1.00001	-0.02945	0.220784		10.1953	
							0.997715					
							0.995426					
							1.00229					
							1.00229					
92452	2	44	38	5452	196.5	182.812	1.00001	-0.03149	0.21875	8.96483	9.84374	35.1562
							0.997715	-0.03352	0.21875	8.78905	9.66795	38.6718
							0.997715	-0.03556	0.21875		9.49217	
							1.00001	-0.03556	0.21875		9.14061	
							1.00001					
							1.00001					
							1.00229					
							1.00916					
92453				5460	198.5	186.328	1.00687	-0.03352	0.21875	8.78905	8.78905	40.0781
							1.00916	-0.03352	0.21875	8.96483	8.26171	42.539
							1.01374	-0.02742	0.222819		8.08593	
							1.0229	-0.01928	0.220784		7.91014	
							1.04121					
							1.06411					
							1.07098					
							1.06411					
92454				5464	200.5	190.547	1.06411	-0.02335	0.222819	8.96483	7.3828	43.2421
							1.0664	-0.01928	0.226888	9.14061	7.03124	42.1874
							1.05953	-0.01114	0.228922		6.85546	
							1.06411	-0.00911	0.232991		6.67968	
							1.08013					
							1.08929					

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							1.09845					
							1.12134					
92455				5468	202.5	194.766	1.13508	-0.01318	0.239095	9.66795	6.5039	41.8359
							1.15339	-0.00504	0.243164	10.3711	6.32812	43.5937
							1.17629	-0.00097	0.249267		6.32812	
							1.1946	-0.00301	0.253337		6.15233	
							1.21521					
							1.23352					
							1.25413					
							1.26557					
92456	2	44	42	5460	205.5	200.742	1.2816	-0.00301	0.255371	10.8984	5.97655	46.4062
							1.29305	-0.00911	0.253337	10.8984	5.80077	49.5702
							1.29534	-0.00911	0.253337		5.62499	
							1.3022	-0.01114	0.249267		5.44921	
							1.31594					
							1.31594					
							1.3022					
							1.29534					
92457				5452	207.5	205.312	1.27931	-0.01318	0.245198	10.5469	5.09765	51.6796
							1.27015	-0.01521	0.243164	10.3711	4.57031	52.3827
							1.27473	-0.01114	0.245198		4.39453	
							1.27702	-0.00911	0.24113		4.21874	
							1.27702					
							1.28847					
							1.27931					
							1.26328					
92458				5432	209.5	210.586	1.25184	-0.00911	0.239095	10.1953	3.51562	53.0859
							1.24497	-0.00708	0.23706	9.66795	3.16406	53.4374
							1.24955	-0.00911	0.235026		2.63671	
							1.24497	-0.00097	0.23706		2.28515	
							1.23352					
							1.2381					
							1.25184					
							1.26099					
92459				5408	212	215.156	1.26099	0.001057	0.23706	9.66795	1.75781	55.1952
							1.26328	0.001057	0.239095	9.49217	1.05469	56.2499
							1.25413	-0.00301	0.245198		0.878905	
							1.23352	-0.00097	0.255371		0.527343	
							1.2175					
							1.27015					
							1.34799					
							1.40751					
92460	2	44	46	5380	215	222.188	1.46017	-0.00301	0.269613	10.7226	0.527343	58.0077
							1.48306	-0.01114	0.277751	11.9531	0.351562	60.1171
							1.50367	-0.00301	0.289958		0	
							1.52656	0.001057	0.296061		-0.17578	
							1.54488					
							1.55861					
							1.58609					
							1.60898					
92461				5332	218.5	229.219	1.64332	-0.00097	0.298096	12.4805	-0.52734	63.6327
							1.65706	-0.00708	0.291992	12.4805	-1.05469	65.3905

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							1.65935	-0.00708	0.283854		-1.58203	
							1.63874	-0.00301	0.271647		-2.8125	
							1.60669					
							1.58838					
							1.56548					
							1.5403					
92462				5276	222	235.898	1.53114	-0.00301	0.269613	11.4258	-3.51562	68.9062
							1.52885	0.009195	0.269613	11.0742	-4.04296	71.3671
							1.53343	0.001057	0.265544		-5.09765	
							1.54488	-0.00911	0.269613		-5.62499	
							1.52198					
							1.51283					
							1.52656					
							1.54946					
92463				5204	225.5	242.578	1.57922	-0.00504	0.279785	10.8984	-6.15233	73.1249
							1.6044	-0.01318	0.289958	12.1289	-6.85546	74.1796
							1.6479	-0.01318	0.298096		-7.3828	
							1.70284	-0.01114	0.296061		-8.61327	
							1.74405					
							1.7761					
							1.78984					
							1.77839					
92464	2	44	50	5096	230.5	251.367	1.76237	-0.00911	0.28182	12.3047	-9.49217	77.6952
							1.73261	-0.00911	0.25944	10.7226	-9.84374	80.5077
							1.68224	-0.00504	0.239095		-11.7773	
							1.63187	-0.00301	0.222819		-12.6562	
							1.58151					
							1.52198					
							1.46246					
							1.40751					
92465				4972	236.5	255.586	1.36402	-0.00097	0.208577	8.43749	-13.7109	83.3202
							1.31594	0.003092	0.198405	6.5039	-15.2929	84.7264
							1.27931	0.009195	0.192301		-16.3476	
							1.25871	0.013264	0.190267		-18.457	
							1.24726					
							1.24039					
							1.24039					
							1.24726					
92466				4816	244.5	260.508	1.25184	0.015299	0.188232	6.15233	-19.3359	87.1874
							1.25871	0.017333	0.188232	5.80077	-20.7422	89.2967
							1.26328	0.017333	0.184163		-22.6757	
							1.27473	0.021403	0.180094		-23.7304	
							1.28618					
							1.29534					
							1.29762					
							1.27931					
92467				4628	254	265.078	1.27702	0.025471	0.17806	5.44921	-25.1367	91.4061
							1.27473	0.017333	0.173991	4.57031	-26.0156	92.8124
							1.26099	0.025471	0.165853		-27.0703	
							1.24726	0.02954	0.161784		-28.8281	
							1.22894					
							1.22665					

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							1.20605					
							1.18544					
92468	2	44	54	4388	264.5	270	1.174	0.03361	0.157715	3.86718	-29.707	95.2733
							1.14424	0.027506	0.151611	3.33984	-30.2343	96.6796
							1.14653	0.021403	0.145508		-31.1132	
							1.14881	0.021403	0.141439		-31.8164	
							1.14195					
							1.1511					
							1.15339					
							1.14195					
92469				4124	275.5	273.516	1.12821	0.019368	0.13737	2.98828	-33.0468	98.0858
							1.11676	0.019368	0.133301	2.10937	-33.9257	99.8436
							1.08929	0.025471	0.129232		-34.8046	
							1.06182	0.031575	0.127197		-36.5624	
							1.04121					
							1.01145					
							0.990848					
							0.979401					
92470				3820	289.5	277.031	0.965664	0.039713	0.123128	1.23047	-36.914	103.008
							0.958796	0.041747	0.119059	0.703124	-37.7929	105.469
							0.94735	0.047851	0.112956		-39.5507	
							0.954217	0.062093	0.104818		-40.2538	
							0.967954					
							0.983979					
							0.972533					
							0.915298					
92471				3508	306.5	279.844	0.826012	0.047851	0.104818	0	-41.3085	107.578
							0.718411	0.041747	0.112956	-2.63671	-41.6601	110.039
							0.560444	0.027506	0.108887		-42.0117	
							0.445975	0.047851	0.094645		-43.0663	
							0.365847					
							0.31777					
							0.352111					
							0.372715					
92472	2	44	58	3068	317.5	281.602	0.489473	0.009195	0.060059	-2.28515	-43.2421	111.094
							0.633704	-0.02742	0.053955	0.527343	-43.9452	98.0858
							0.752752	-0.0437	0.060059		-45.1757	
							0.855774	-0.03149	0.086507		-45.5273	
							0.997715					
							1.14195					
							1.2816					
							1.39607					
92473				2640	334	290.391	1.50596	-0.02335	0.100749	2.98828	-45.7031	78.7499
							1.52656	0.025471	0.092611	3.16406	-45.8788	60.4687
							1.54259	0.062093	0.102783		-45.8788	
							1.57006	0.098714	0.104818		-45.8788	
							1.58609					
							1.61585					
							1.65706					
							1.67079					
92474				2216	352	298.477	1.67079	0.121094	0.094645	2.8125	-45.7031	54.1405
							1.64561	0.123128	0.072266	2.28515	-45.3515	49.5702

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							1.67766	0.117025	0.045817		-44.9999	
							1.72116	0.100749	0.021403		-44.6484	
							1.68682					
							1.70056					
							1.68911					
							1.68911					
92475				1748	368.5	302.695	1.74176	0.098714	-0.00911	2.28515	-44.121	48.164
							1.79213	0.0743	-0.02132	3.33984	-43.4179	37.9687
							1.82189	0.055989	-0.03149		-42.7148	
							1.89057	0.049886	-0.02336		-41.4843	
							1.93178					
							1.94552					
							1.9501					
							1.97757					
92476	2	45	2	1320	382.5	306.914	2.08059	0.064127	-0.02336	3.51562	-40.6054	30.2343
							2.16759	0.094645	-0.03556	3.33984	-39.0234	22.8515
							2.25687	0.108887	-0.0498		-38.3203	
							2.25916	0.09261	-0.06608		-37.9687	
							2.23398					
							2.21338					
							2.14698					
							2.11722					
92477				904	395	309.023	2.09891	0.070231	-0.08236	2.63671	-36.914	23.9062
							2.07372	0.03361	-0.08032	3.51562	-36.2109	18.2812
							2.09662	0.049886	-0.06201		-35.332	
							2.21338	0.080403	-0.06405		-33.75	
							2.30953					
							2.41942					
							2.45605					
							2.43316					
92478				524	410	311.133	2.54534	0.106852	-0.0498	3.51562	-32.6953	14.0625
							2.60257	0.147542	-0.02336	4.92187	-30.5859	14.414
							2.72849	0.149577	0.017334		-29.8828	
							2.99405	0.131266	0.031575		-29.0039	
							3.30312					
							3.48169					
							3.69232					
							3.81594					
92479				180	416	315.703	3.96246	0.131266	0.023437	6.85546	-25.4882	19.3359
							3.8892	0.082438	-0.01929	5.44921	-24.4336	24.6093
							3.70147	0.076334	-0.05794		-23.7304	
							3.51832	0.117025	-0.07625		-23.2031	
							3.28023					
							3.05358					
							2.93224					
							2.76741					
92480												

Flash Air B737-300 Accident
Preliminary Data Created: January 20 2004
MCA

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMPUTED AIRSPD	ALT FLAPS	LE FLAP 1 EXTEND	LE FLAP 1 INTRANSIT	LE FLAP 2 EXTEND	LE FLAP 2 INTRANSIT	LE FLAP 3 EXTEND	LE FLAP 3 INTRANSIT	LE FLAP 4 EXTEND	LE FLAP 4 INTRANSIT	TE FLAP POSN FCC L L	TE FLAP POSN FCC R	TOO LOW FLAP	GEAR DN R	L GEAR DN	NOSE GEAR DN	LE SLAT 1 FULL EXTEND	LE SLAT 1 INTRANSIT	LE SLAT 1 MID EXTEND	LE SLAT 2 FULL EXTEND	LE SLAT 2 INTRANSIT	LE SLAT 2 MID EXTEND	LE SLAT 3 FULL EXTEND	LE SLAT 3 INTRANSIT	LE SLAT 3 MID EXTEND	LE SLAT 4 FULL EXTEND	LE SLAT 4 INTRANSIT	LE SLAT 4 MID EXTEND	LE SLAT 5 FULL EXTEND	LE SLAT 5 INTRANSIT	LE SLAT 5 MID EXTEND	LE SLAT 6 FULL EXTEND	LE SLAT 6 INTRANSIT	LE SLAT 6 MID EXTEND
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(1-ARMED)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(DEG)	(DEG)	(1-TRUE)	(0-DOWN)	(0-DOWN)	(0-DOWN)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)
91864	2	34	50	216	45											0		DOWN					MIDEXT															
91865				216	45														DOWN	DOWN																		
91866				216	45										0			DOWN					MIDEXT															
91867				216	45														DOWN	DOWN																		
91868	2	34	54	216	45											0		DOWN					MIDEXT															
91869				216	45														DOWN	DOWN																		
91870				216	45										0			DOWN					MIDEXT															
91871				216	45														DOWN	DOWN																		
91872	2	34	58	216	45											0		DOWN					MIDEXT															
91873				216	45														DOWN	DOWN																		
91874				216	45										0			DOWN					MIDEXT															
91875				216	45														DOWN	DOWN																		
91876	2	35	2	216	45											0		DOWN					MIDEXT															
91877				216	45														DOWN	DOWN																		
91878				216	45										0			DOWN					MIDEXT															
91879				216	45														DOWN	DOWN																		
91880	2	35	6	216	45											0		DOWN					MIDEXT															
91881				216	45														DOWN	DOWN																		
91882				216	45										0			DOWN					MIDEXT															
91883				216	45														DOWN	DOWN																		
91884	2	35	10	216	45											0		DOWN					MIDEXT															
91885				216	45														DOWN	DOWN																		
91886				216	45										0			DOWN					MIDEXT															
91887				216	45														DOWN	DOWN																		
91888	2	35	14	216	45											0		DOWN					MIDEXT															
91889				216	45														DOWN	DOWN																		
91890				216	45										0			DOWN					MIDEXT															
91891				216	45														DOWN	DOWN																		
91892	2	35	18	216	45											0		DOWN					MIDEXT															
91893				216	45														DOWN	DOWN																		
91894				216	45										0			DOWN					MIDEXT															
91895				216	45														DOWN	DOWN																		
91896	2	35	22	216	45											0		DOWN					MIDEXT															
91897				216	45														DOWN	DOWN																		
91898				216	45										0			DOWN					MIDEXT															
91899				216	45														DOWN	DOWN																		
91900	2	35	26	216	45											0		DOWN					MIDEXT															
91901				216	45														DOWN	DOWN																		
91902				216	45										0			DOWN					MIDEXT															
91903				216	45														DOWN	DOWN																		
91904	2	35	30	216	45											0		DOWN					MIDEXT															
91905				216	45														DOWN	DOWN																		
91906				216	45										0			DOWN					MIDEXT															
91907				216	45														DOWN	DOWN																		
91908	2	35	34	216	45											0		DOWN					MIDEXT															
91909				216	45														DOWN	DOWN																		
91910				216	45										0			DOWN					MIDEXT															
91911				216	45														DOWN	DOWN																		
91912	2	35	38	216	45											0		DOWN					MIDEXT															
91913				216	45														DOWN	DOWN																		
91914				216	45										0			DOWN					MIDEXT															
91915				216	45														DOWN	DOWN																		
91916	2	35	42	216	45											0		DOWN					MIDEXT															
91917				216	45														DOWN	DOWN																		
91918				216	45										0			DOWN					MIDEXT															
91919				216	45														DOWN	DOWN																		
91920	2	35	46	216	45											0		DOWN					MIDEXT															
91921				216	45														DOWN	DOWN																		
91922				216	45										0			DOWN					MIDEXT															
91923				216	45														DOWN	DOWN																		
91924	2	35	50	216	45											0		DOWN					MIDEXT															
91925				216	45														DOWN	DOWN																		
91926				216	45										0			DOWN					MIDEXT															
91927				216	45														DOWN	DOWN																		
91928	2	35	54	216	45											0		DOWN					MIDEXT															
91929				216	45														DOWN	DOWN																		
91930				216	45										0			DOWN					MIDEXT															
91931				216	45														DOWN	DOWN																		
91932	2	35	58	216	45											0		DOWN					MIDEXT															
91933				216	45														DOWN	DOWN																		
91934				216	45										0			DOWN					MIDEXT															
91935				216	45														DOWN	DOWN																		
91936	2	36	2	216	45											0		DOWN					MIDEXT															
91937				216	45														DOWN	DOWN																		
91938				216	45										0			DOWN					MIDEXT															
91939				216	45														DOWN	DOWN																		
91940	2	36	6	216	45											0		DOWN					MIDEXT															
91941				216	45														DOWN	DOWN																		
91942				216	45										0			DOWN					MIDEXT															
91943				216	45														DOWN	DOWN																		
91944	2	36	10	216	45											0		DOWN					MIDEXT															
91945				216	45														DOWN	DOWN																		
91946				216	45										0			DOWN					MIDEXT															
91947				216	45														DOWN	DOWN																		
91948	2	36	14	216	45											0		DOWN					MIDEXT															
91949				216	45														DOWN	DOWN																		
91950				216	45										0			DOWN					MIDEXT															
91951				216	45														DOWN	DOWN																		
91952	2	36	18	216	45											0		DOWN					MIDEXT															
91953				216	45														DOWN	DOWN																		
91954				216	45										0			DOWN					MIDEXT															
91955				216	45														DOWN	DOWN																		
91956	2	36	22	216	45											0		DOWN					MIDEXT															
91957				216	45														DOWN	DOWN																		
91958				216	45										0			DOWN					MIDEXT															
91959				216	45														DOWN	DOWN																		
91960	2	36	26	216	45											0		DOWN					MIDEXT															
91961				216	45														DOWN	DOWN																		
91962				216	45										0			DOWN					MIDEXT															
91963				216	45														DOWN	DOWN																		
91964	2	36	30	216	45											0		DOWN					MIDEXT															
91965				216	45														DOWN	DOWN																		
91966				216	45										0			DOWN					MIDEXT															
91967				216	45														DOWN	DOWN																		
91968	2	36	34	216	45											0		DOWN					MIDEXT															
91969				216	45														DOWN	DOWN																		
91970				216	45										0			DOWN					MIDEXT															
91971				216	45														DOWN	DOWN																		
91972	2	36	38	216	45											0		DOWN					MIDEXT															
91973				216	45														DOWN	DOWN																		
91974				216	45										0			DOWN					MIDEXT															
91975				216	45														DOWN	DOWN																		
91976	2	36	42	216	45											0		DOWN					MIDEXT															
91977				216	45														DOWN	DOWN																		
91978				216	45										0			DOWN					MIDEXT															
91979				216	45														DOWN	DOWN																		
91980	2	36	46	216	45											0		DOWN					MIDEXT															
91981				216	45														DOWN	DOWN																		
91982				216	45										0			DOWN					MIDEXT															
91983				216	45														DOWN	DOWN																		
91984	2	36	50	216	45											0		DOWN					MIDEXT															
91985				216	45														DOWN	DOWN																		
91986				216	45										0			DOWN					MIDEXT															
91987				216	45														DOWN	DOWN																		
91988	2	36	54	216	45											0		DOWN					MIDEXT															
91989				216	45														DOWN	DOWN																		
91990				216	45										0			DOWN					MIDEXT															
91991				216	45														DOWN	DOWN																		
91992	2	36	58	216	45											0		DOWN					MIDEXT															
91993				216	45														DOWN	DOWN																		
91994				216	45										0			DOWN					MIDEXT															
91995				216	45														DOWN	DOWN																		
91996	2	37	2	216	45											0		DOWN					MIDEXT															
91997				216	45														DOWN	DOWN																		
91998				216	45										0			DOWN					MIDEXT															
91999				216	45														DOWN	DOWN																		
92000	2	37	6	216	45											0		DOWN					MIDEXT															
92001				216	45														DOWN	DOWN																		
92002				216	45										0			DOWN					MIDEXT															
92003				216	45														DOWN	DOWN																		
92004	2	37	10	216	45											0		DOWN					MIDEXT															
92005				216	45														DOWN	DOWN																		
92006				216	45										0			DOWN					MIDEXT															
92007				216	45														DOWN	DOWN																		
92008	2	37	14	216	45											0		DOWN					MIDEXT															

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMPUTED AIRSPD	ALT FLAPS	LE FLAP 1 EXTEND	LE FLAP 1 INTRANSIT	LE FLAP 2 EXTEND	LE FLAP 2 INTRANSIT	LE FLAP 3 EXTEND	LE FLAP 3 INTRANSIT	LE FLAP 4 EXTEND	LE FLAP 4 INTRANSIT	TE FLAP POSN FCC L	TE FLAP POSN FCC R	TOO LOW FLAP	GEAR DN R	L GEAR DN	NOSE GEAR DN	LE SLAT 1 FULL EXTEND	LE SLAT 1 INTRANSIT	LE SLAT 1 MID EXTEND	LE SLAT 2 FULL EXTEND	LE SLAT 2 MID INTRANSIT	LE SLAT 2 MID EXTEND	LE SLAT 3 FULL EXTEND	LE SLAT 3 INTRANSIT	LE SLAT 3 MID EXTEND	LE SLAT 4 FULL EXTEND	LE SLAT 4 INTRANSIT	LE SLAT 4 MID EXTEND	LE SLAT 5 FULL EXTEND	LE SLAT 5 INTRANSIT	LE SLAT 5 MID EXTEND	LE SLAT 6 FULL EXTEND	LE SLAT 6 INTRANSIT	LE SLAT 6 MID EXTEND
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(1-ARMED)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(DEG)		(1-TRUE)	(0-DOWN)	(0-DOWN)	(0-DOWN)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)
92009				216	45														DOWN	DOWN				MIDEXT																
92010				216	45										0			DOWN						MIDEXT																
92011				216	45														DOWN	DOWN				MIDEXT																
92012	2	37	18	216	45											0		DOWN						MIDEXT																
92013				216	45														DOWN	DOWN				MIDEXT																
92014				216	45										0			DOWN						MIDEXT																
92015				216	45														DOWN	DOWN				MIDEXT																
92016	2	37	22	216	45											0		DOWN						MIDEXT																
92017				216	45														DOWN	DOWN				MIDEXT																
92018				216	45										0			DOWN						MIDEXT																
92019				216	45														DOWN	DOWN				MIDEXT																
92020	2	37	26	216	45											0		DOWN						MIDEXT																
92021				216	45														DOWN	DOWN				MIDEXT																
92022				216	45										0			DOWN						MIDEXT																
92023				216	45														DOWN	DOWN				MIDEXT																
92024	2	37	30	216	45											0		DOWN						MIDEXT																
92025				216	45														DOWN	DOWN				MIDEXT																
92026				216	45										0.263672			DOWN						MIDEXT																
92027				216	45														DOWN	DOWN				MIDEXT																
92028	2	37	34	216	45			INTRNS		INTRNS				INTRNS		0.966797		DOWN						MIDEXT		INTRNS			INTRNS			INTRNS								
92029				216	45			INTRNS		INTRNS		INTRNS		INTRNS					DOWN	DOWN		INTRNS		MIDEXT		INTRNS			INTRNS			INTRNS							INTRNS	
92030				216	45			INTRNS		INTRNS		INTRNS		INTRNS	0.966797			DOWN				INTRNS		MIDEXT		INTRNS			INTRNS			INTRNS							INTRNS	
92031				216	45		EXTEND			INTRNS	EXTEND		EXTEND						DOWN	DOWN			INTRNS	MIDEXT		INTRNS			INTRNS			INTRNS							INTRNS	
92032	2	37	38	216	45		EXTEND		EXTEND		EXTEND		EXTEND			1.05469			DOWN					MIDEXT		INTRNS							MIDEXT							MIDEXT
92033				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92034				216	45		EXTEND		EXTEND		EXTEND		EXTEND		1.31836			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92035				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92036	2	37	42	216	45		EXTEND		EXTEND		EXTEND		EXTEND			1.49414		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92037				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92038				216	45		EXTEND		EXTEND		EXTEND		EXTEND		1.75781			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92039				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92040	2	37	46	216	45		EXTEND		EXTEND		EXTEND		EXTEND			1.93359		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92041				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92042				216	45		EXTEND		EXTEND		EXTEND		EXTEND		1.93359			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92043				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92044	2	37	50	216	45		EXTEND		EXTEND		EXTEND		EXTEND			2.90039		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92045				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92046				216	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92047				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92048	2	37	54	216	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92049				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92050				216	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92051				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92052	2	37	58	216	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92053				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92054				216	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92055				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92056	2	38	2	216	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92057				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92058				216	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92059				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92060	2	38	6	216	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92061				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92062				212	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92063				216	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92064	2	38	10	212	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92065				212	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92066				212	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92067				212	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92068	2	38	14	212	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92069				212	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92070				212	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92071				212	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92072	2	38	18	212	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92073				212	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92074				212	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92075				212	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92076	2	38	22	212	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92077				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92078				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92079				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92080	2	38	26	208	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92081				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92082				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92083				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92084	2	38	30	208	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92085				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92086				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92087				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92088	2	38	34	208	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92089				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92090				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92091				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92092	2	38	38	208	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92093				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92094				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92095				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92096	2	38	42	208	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92097				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92098				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92099				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92100	2	38	46	208	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92101				208	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92102				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92103				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92104	2	38	50	204	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92105				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92106				204	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92107				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92108	2	38	54	204	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92109				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92110				208	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92111				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92112	2	38	58	204	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92113				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92114				204	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92115				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92116	2	39	2	204	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92117				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92118				204	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92119				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92120	2	39	6	204	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92121				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92122				204	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92123				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92124	2	39	10	204	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92125				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92126				204	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92127				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92128	2	39	14	204	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92129				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92130				200	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92131				204	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92132	2	39	18	200	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92133				200	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92134				200	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92135				200	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92136	2	39	22	200	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92137				200	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92138				200	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92139				200	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92140	2	39	26	200	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92141				200	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92142				200	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92143				196	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92144	2	39	30	196	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92145				196	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92146				196	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92147				196	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92148	2	39	34	196	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92149				196	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92150				196	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92151				196	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT						MIDEXT							MIDEXT
92152	2	39	38	196	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN						MIDEXT			MIDEXT						MIDEXT							MIDEXT
92153				196	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT	

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMPUTED AIRSPD	ALT FLAPS	LE FLAP 1 EXTEND	LE FLAP 1 INTRANSIT	LE FLAP 2 EXTEND	LE FLAP 2 INTRANSIT	LE FLAP 3 EXTEND	LE FLAP 3 INTRANSIT	LE FLAP 4 EXTEND	LE FLAP 4 INTRANSIT	TE FLAP POSN FCC L	TE FLAP POSN FCC R	TOO LOW FLAP	GEAR DN R	L GEAR DN	NOSE GEAR DN	LE SLAT 1 FULL EXTEND	LE SLAT 1 INTRANSIT	LE SLAT 1 MID EXTEND	LE SLAT 2 FULL EXTEND	LE SLAT 2 INTRANSIT	LE SLAT 2 MID EXTEND	LE SLAT 3 FULL EXTEND	LE SLAT 3 INTRANSIT	LE SLAT 3 MID EXTEND	LE SLAT 4 FULL EXTEND	LE SLAT 4 INTRANSIT	LE SLAT 4 MID EXTEND	LE SLAT 5 FULL EXTEND	LE SLAT 5 INTRANSIT	LE SLAT 5 MID EXTEND	LE SLAT 6 FULL EXTEND	LE SLAT 6 INTRANSIT	LE SLAT 6 MID EXTEND
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(1-ARMED)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(DEG)	(DEG)	(1-TRUE)	(0-DOWN)	(0-DOWN)	(0-DOWN)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)
92160	2	39	46	192	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92161				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92162				192	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92163				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92164	2	39	50	192	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92165				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92166				192	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92167				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92168	2	39	54	192	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92169				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92170				192	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92171				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92172	2	39	58	192	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92173				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92174				192	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92175				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92176	2	40	2	192	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92177				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92178				192	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92179				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92180	2	40	6	192	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92181				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92182				192	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92183				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92184	2	40	10	192	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92185				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92186				192	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92187				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92188	2	40	14	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92189				192	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92190				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92191				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92192	2	40	18	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92193				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92194				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92195				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92196	2	40	22	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92197				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92198				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92199				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92200	2	40	26	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92201				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92202				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92203				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92204	2	40	30	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92205				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92206				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92207				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92208	2	40	34	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92209				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92210				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92211				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92212	2	40	38	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92213				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92214				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92215				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92216	2	40	42	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92217				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92218				188	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92219				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92220	2	40	46	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92221				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92222				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92223				188	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92224	2	40	50	188	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92225				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92226				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92227				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92228	2	40	54	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92229				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92230				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92231				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92232	2	40	58	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92233				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92234				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92235				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92236	2	41	2	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92237				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92238				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92239				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92240	2	41	6	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92241				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92242				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92243				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92244	2	41	10	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92245				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92246				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92247				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92248	2	41	14	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92249				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92250				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92251				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92252	2	41	18	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92253				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92254				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92255				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92256	2	41	22	184	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92257				184	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92258				184	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92259				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92260	2	41	26	180	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92261				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92262				180	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92263				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92264	2	41	30	180	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92265				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92266				180	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92267				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92268	2	41	34	180	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92269				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92270				180	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92271				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92272	2	41	38	180	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92273				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92274				180	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92275				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92276	2	41	42	180	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92277				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92278				180	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92279				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92280	2	41	46	180	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92281				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92282				180	45		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92283				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92284	2	41	50	180	45		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT
92285				180	45		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT	

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMPUTED AIRSPD	ALT FLAPS	LE FLAP 1 EXTEND	LE FLAP 1 INTRANSIT	LE FLAP 2 EXTEND	LE FLAP 2 INTRANSIT	LE FLAP 3 EXTEND	LE FLAP 3 INTRANSIT	LE FLAP 4 EXTEND	LE FLAP 4 INTRANSIT	TE FLAP POSN FCC L L	TE FLAP POSN FCC R	TOO LOW FLAP	GEAR DN R	L GEAR DN	NOSE GEAR DN	LE SLAT 1 FULL EXTEND	LE SLAT 1 INTRANSIT	LE SLAT 1 MID EXTEND	LE SLAT 2 FULL EXTEND	LE SLAT 2 INTRANSIT	LE SLAT 2 MID EXTEND	LE SLAT 3 FULL EXTEND	LE SLAT 3 INTRANSIT	LE SLAT 3 MID EXTEND	LE SLAT 4 FULL EXTEND	LE SLAT 4 INTRANSIT	LE SLAT 4 MID EXTEND	LE SLAT 5 FULL EXTEND	LE SLAT 5 INTRANSIT	LE SLAT 5 MID EXTEND	LE SLAT 6 FULL EXTEND	LE SLAT 6 INTRANSIT	LE SLAT 6 MID EXTEND
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(1-ARMED)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(0-EXTEND)	(0-INTRNS)	(DEG)	(DEG)	(1-TRUE)	(0-DOWN)	(0-DOWN)	(0-DOWN)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)	(0-FULLEXT)	(0-INTRNS)	(0-MIDEXT)
92311				200	93		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92312	2	42	18	200	97.5		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92313				204	101		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92314				204	106.5		EXTEND		EXTEND		EXTEND		EXTEND		4.92187								MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92315				204	109.5		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92316	2	42	22	204	115.5		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92317				204	119.5		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92318				204	123.5		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92319				208	127.5		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92320	2	42	26	208	131.5		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92321				208	135.5		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92322				208	139		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92323				204	142.5		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92324	2	42	30	204	146		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92325				196	150		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92326				192	152		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92327				192	155.5		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92328	2	42	34	196	159		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92329				208	162		EXTEND		EXTEND		EXTEND		EXTEND						DOWN	DOWN				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92330				220	165.5		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			DOWN					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92331				240	167.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92332	2	42	38	268	169.5		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92333				300	171.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92334				328	172		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92335				364	173		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92336	2	42	42	400	174		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92337				440	174.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92338				480	176		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92339				512	176.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92340	2	42	46	548	177		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92341				584	178		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92342				616	178.5		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92343				652	179		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92344	2	42	50	688	178.5		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92345				720	179.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92346				756	179.5		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92347				792	180		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92348	2	42	54	832	180		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92349				868	181		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92350				904	180.5		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92351				940	181.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92352	2	42	58	976	181		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92353				1016	181.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92354				1052	181.5		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92355				1096	183		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92356	2	43	2	1136	183		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92357				1180	184		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92358				1220	184		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92359				1268	184		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92360	2	43	6	1312	184		EXTEND		EXTEND		EXTEND		EXTEND			4.92187		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92361				1352	183		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92362				1396	184		EXTEND		EXTEND		EXTEND		EXTEND		4.92187			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92363				1440	184		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92364	2	43	10	1484	183.5		EXTEND		EXTEND		EXTEND		EXTEND			4.04297		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92365				1528	183		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92366				1576	183.5		EXTEND		EXTEND		EXTEND		EXTEND		2.28516			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92367				1624	183		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92368	2	43	14	1668	182.5		EXTEND		EXTEND		EXTEND		EXTEND			1.93359		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92369				1708	183		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92370				1748	183.5		EXTEND		EXTEND		EXTEND		EXTEND		1.8457			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92371				1784	184.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92372	2	43	18	1816	185.5		EXTEND		EXTEND		EXTEND		EXTEND			1.58203		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92373				1844	186.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92374				1868	187.5		EXTEND		EXTEND		EXTEND		EXTEND		1.40625			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92375				1892	188.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92376	2	43	22	1912	190		EXTEND		EXTEND		EXTEND		EXTEND			1.14258		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92377				1932	191.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92378				1948	193		EXTEND		EXTEND		EXTEND		EXTEND		0.966797			UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92379				1964	194.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92380	2	43	26	1980	196.5		EXTEND		EXTEND		EXTEND		EXTEND			0.966797		UP					MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92381				2000	198.5		EXTEND		EXTEND		EXTEND		EXTEND						UP	UP				MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92382				2020	200.5				EXTEND		EXTEND		EXTEND		0.791015			UP					MIDEXT		INTRNS			MIDEXT			MIDEXT			MIDEXT			MIDEXT		
92383				2040	202			INTRNS		INTRNS		INTRNS		INTRNS					UP	UP		INTRNS	MIDEXT		INTRNS		MIDEXT		INTRNS		INTRNS			INTRNS			INTRNS		
92384	2	43	30	2064	203.5			INTRNS		INTRNS		INTRNS		INTRNS		0.08789			UP			INTRNS	MIDEXT		INTRNS				INTRNS			INTRNS			INTRNS			INTRNS		
92385				2084	205			INTRNS		INTRNS		INTRNS		INTRNS					UP	UP		INTRNS	MIDEXT		INTRNS				INTRNS			INTRNS			INTRNS			INTRNS		
92386				2112	206			INTRNS		INTRNS				INTRNS		0			UP				MIDEXT																	
92387				2136	207.5														UP	UP			MIDEXT																	
92388	2	43	34	2168	208.5											0			UP				MIDEXT																	
92389				2196	209														UP	UP			MIDEXT																	
92390				2224	210.5										0				UP				MIDEXT																	
92391				2252	212														UP	UP			MIDEXT																	
92392	2	43	38	2284	213.5											0			UP				MIDEXT																	
92393				2320	214.5														UP	UP			MIDEXT																	
92394				2352	215.5										0				UP				MIDEXT																	
92395				2392	215.5														UP	UP			MIDEXT																	
92396	2	43	42	2432	216											0			UP				MIDEXT																	
92397				2472	216.5														UP	UP			MIDEXT																	
92398				2520	216.5										0				UP				MIDEXT																	
92399				2572	217														UP	UP			MIDEXT																	
92400	2	43	46	2624	216.5											0			UP				MIDEXT																	
92401				2676	216.5														UP	UP			MIDEXT																	
92402				2728	216										0				UP				MIDEXT																	
92403				2784	216.5														UP	UP			MIDEXT																	
92404	2	43	50	2840	217											0			UP				MIDEXT																	
92405				2892	217														UP	UP			MIDEXT																	
92406				2948	216.5										0				UP				MIDEXT																	
92407				3004	216.5														UP	UP			MIDEXT																	
92408	2	43	54	3064	216											0			UP				MIDEXT																	
92409				3124	216														UP	UP			MIDEXT																	
92410				3188	214.5										0				UP				MIDEXT																	
92411				3252	214														UP	UP			MIDEXT																	
92412	2	43	58	3320	213.5											0			UP				MIDEXT																	
92413				3392	212														UP	UP			MIDEXT																	
92414				3468	209.5										0				UP				MIDEXT																	
92415				3544	209.5														UP	UP			MIDEXT																	
92416	2	44	2	3624	207											0			UP				MIDEXT																	
92417				3712	206														UP	UP			MIDEXT																	
92418				3796	204.5										0				UP				MIDEXT																	
92419				3880	203														UP	UP			MIDEXT																	
92420	2	44	6	3964	201											0			UP				MIDEXT																	
92421				4056	199														UP	UP			MIDEXT																	
92422				4136	196.5										0				UP				MIDEXT																	
92423				4220	194.5														UP	UP			MIDEXT																	
92424	2	44	10	4308	195											0			UP				MIDEXT																	
92425				4388	192														UP	UP			MIDEXT																	
92426				4460	190										0				UP				MIDEXT																	
92427				4532	190														UP	UP			MIDEXT																	
92428	2	44	14	4600	188.5											0			UP				MIDEXT																	
92429				4660	188														UP	UP			MIDEXT																	
92430				4720	187.5										0				UP				MIDEXT																	
92431				4772	187														UP	UP			MIDEXT																	
92432	2	44	18	4824	186.5											0			UP				MIDEXT																	
92433				4876	186														UP	UP			MIDEXT																	
92434				4920	185.5										0				UP				MIDEXT																	
92435				4968	185.5														UP	UP			MIDEXT																	
92436	2	44	22	5008	185											0			UP				MIDEXT																	
92437				5044	184.5														UP	UP			MIDEXT																	
92438				5076	185.5										0				UP				MIDEXT																	
92439				5112	186														UP	UP			MIDEXT																	
92440	2	44	26	5144	186.5											0			UP				MIDEXT																	
92441				5172	186														UP	UP			MIDEXT																	
92442				5204	186.5										0				UP				MIDEXT																	
92443				5232	187														UP	UP			MIDEXT																	
92444	2	44	30	5260	187.5											0			UP				MIDEXT																	
92445				5288	188.5														UP	UP			MIDEXT																	
92446				5320	189										0				UP				MIDEXT																	
92447				5344	189.5														UP	UP			MIDEXT																	
92448	2	44	34	5372	191											0			UP				MIDEXT																	
92449				5396	192														UP	UP			MIDEXT																	
92450				5420	193.5										0				UP				MIDEXT																	
92451				5436	195														UP	UP			MIDEXT																	
92452	2	44	38	5452	196.5											0			UP				MIDEXT																	
92453				5460	198.5														UP	UP			MIDEXT																	
92454				5464	200.5										0				UP				MIDEXT																	
92455				5468	202.5														UP	UP			MIDEXT																	
92456	2	44	42	5460	205.5											0			UP				MIDEXT																	
92457				5452	207.5														UP	UP			MIDEXT																	
92458				5432	209.5										0				UP				MIDEXT																	
92459				5408	212														UP	UP			MIDEXT																	
92460	2	44	46	5380	215											0			UP				MIDEXT																	
92461				5332	218.5														UP	UP			MIDEXT																	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ALT FLAPS (1-ARMED)	LE FLAP 1 EXTEND (0-EXTEND)	LE FLAP 1 INTRANSIT (0-INTRNS)	LE FLAP 2 EXTEND (0-EXTEND)	LE FLAP 2 INTRANSIT (0-INTRNS)	LE FLAP 3 EXTEND (0-EXTEND)	LE FLAP 3 INTRANSIT (0-INTRNS)	LE FLAP 4 EXTEND (0-EXTEND)	LE FLAP 4 INTRANSIT (0-INTRNS)	TE FLAP POSN FCC L L (DEG)	TE FLAP POSN FCC R (DEG)	TOO LOW FLAP (1-TRUE)	GEAR DN R (0-DOWN)	L GEAR DN (0-DOWN)	NOSE GEAR DN (0-DOWN)	LE SLAT 1 FULL EXTEND (0-FULEXT)	LE SLAT 1 INTRANSIT (0-INTRNS)	LE SLAT 1 MID EXTEND (0-MIDEXT)	LE SLAT 2 FULL EXTEND (0-FULEXT)	LE SLAT 2 INTRANSIT (0-INTRNS)	LE SLAT 2 MID EXTEND (0-MIDEXT)	LE SLAT 3 FULL EXTEND (0-FULEXT)	LE SLAT 3 INTRANSIT (0-INTRNS)	LE SLAT 3 MID EXTEND (0-MIDEXT)	LE SLAT 4 FULL EXTEND (0-FULLEXT)	LE SLAT 4 INTRANSIT (0-INTRNS)	LE SLAT 4 MID EXTEND (0-MIDEXT)	LE SLAT 5 FULL EXTEND (0-FULLEXT)	LE SLAT 5 INTRANSIT (0-INTRNS)	LE SLAT 5 MID EXTEND (0-MIDEXT)	LE SLAT 6 FULL EXTEND (0-FULLEXT)	LE SLAT 6 INTRANSIT (0-INTRNS)	LE SLAT 6 MID EXTEND (0-MIDEXT)
92462				5276	222										0			UP					MIDEXT															
92463				5204	225.5														UP	UP			MIDEXT															
92464	2	44	50	5096	230.5											0		UP					MIDEXT															
92465				4972	236.5														UP	UP			MIDEXT															
92466				4816	244.5										0			UP					MIDEXT															
92467				4628	254														UP	UP			MIDEXT															
92468	2	44	54	4388	264.5											0		UP					MIDEXT															
92469				4124	275.5														UP	UP			MIDEXT															
92470				3820	289.5										0			UP					MIDEXT															
92471				3508	306.5														UP	UP			MIDEXT															
92472	2	44	58	3068	317.5											0		UP					MIDEXT															
92473				2640	334														UP	UP			MIDEXT															
92474				2216	352										0			UP					MIDEXT															
92475				1748	368.5														UP	UP			MIDEXT															
92476	2	45	2	1320	382.5											0		UP					MIDEXT															
92477				904	395														UP	UP			MIDEXT															
92478				524	410										0			UP					MIDEXT															
92479				180	416														UP	UP			MIDEXT															
92480																																							

 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 20 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	OIL PRES L (PSI)	OIL PRES R (PSI)	HYD OIL PRES A (PSI)	HYD OIL PRES B (PSI)	EVENT MARKER (RESV) (0-EVENT 1-.)	RADIO HEIGHT EFIS (FEET)	SINK RATE (0-. 1-TRUE)	DONT SINK (0-. 1-TRUE)	PULL UP (0-. 1-TRUE)	TERRAIN PULL UP (0-FALSE 1-TRUE)	TERRAIN (0-. 1-TRUE)	TOO LOW TERRAIN (0-. 1-TRUE)	TOO LOW GEAR (0-. 1-TRUE)	TOO LOW FLAP (0-. 1-TRUE)	G/S DEV EFIS (DDM)	G/S ENGA FCC (0-. 1-ENGA)	G/S GPWS (0-. 1-TRUE)	MINIMUMS (0-. 1-TRUE)	WINDSHEAR (0-FALSE 1-TRUE)	WINDSHEAR CAUTN (0-FALSE 1-TRUE)
91864	2	34	50	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91865				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91866				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91867				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91868	2	34	54	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91869				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91870				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91871				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91872	2	34	58	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91873				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91874				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91875				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91876	2	35	2	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91877				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91878				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91879				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91880	2	35	6	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91881				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91882				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91883				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91884	2	35	10	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91885				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91886				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91887				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91888	2	35	14	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91889				216	45		2	3272			-2				FALSE					-0.24218				FALSE	FALSE
91890				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91891				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91892	2	35	18	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91893				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91894				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91895				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91896	2	35	22	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91897				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91898				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91899				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91900	2	35	26	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91901				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91902				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91903				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91904	2	35	30	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91905				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91906				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91907				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91908	2	35	34	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91909				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91910				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91911				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91912	2	35	38	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91913				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91914				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91915				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91916	2	35	42	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91917				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91918				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91919				216	45	2			3272		-2				FALSE					-0.24218				FALSE	FALSE
91920	2	35	46	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91921				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91922				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91923				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91924	2	35	50	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91925				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91926				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91927				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91928	2	35	54	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91929				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91930				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91931				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91932	2	35	58	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91933				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91934				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91935				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91936	2	36	2	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91937				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91938				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91939				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
91940	2	36	6	216	45						-2				FALSE					-0.24218				FALSE	FALSE
91941				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
91942				216	45						-2				FALSE					-0.24218				FALSE	FALSE
91943				216	45	2					-5				FALSE					-0.21171				FALSE	FALSE
91944	2	36	10	216	45						-4				FALSE					-0.24062				FALSE	FALSE
91945				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91946				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91947				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91948	2	36	14	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91949				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91950				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91951				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91952	2	36	18	216	45						-4				FALSE					-0.24218				FALSE	FALSE

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	OIL PRES L (PSI)	OIL PRES R (PSI)	HYD OIL PRES A (PSI)	HYD OIL PRES B (PSI)	EVENT MARKER (RESV) (0-EVENT 1-.)	RADIO HEIGHT EFIS (FEET)	SINK RATE (0-. 1-TRUE)	DONT SINK (0-. 1-TRUE)	PULL UP (0-. 1-TRUE)	TERRAIN PULL UP (0-FALSE 1-TRUE)	TERRAIN (0-. 1-TRUE)	TOO LOW TERRAIN (0-. 1-TRUE)	TOO LOW GEAR (0-. 1-TRUE)	TOO LOW FLAP (0-. 1-TRUE)	G/S DEV EFIS (DDM)	G/S ENGA FCC (0-. 1-ENGA)	G/S GPWS (0-. 1-TRUE)	MINIMUMS (0-. 1-TRUE)	WINDSHEAR (0-FALSE 1-TRUE)	WINDSHEAR CAUTN (0-FALSE 1-TRUE)
91953				216	45		2	3272			-4				FALSE					-0.24218				FALSE	FALSE
91954				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91955				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91956	2	36	22	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91957				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91958				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91959				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91960	2	36	26	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91961				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91962				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91963				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91964	2	36	30	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91965				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91966				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91967				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91968	2	36	34	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91969				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91970				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91971				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91972	2	36	38	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91973				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91974				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91975				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91976	2	36	42	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91977				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91978				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91979				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91980	2	36	46	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91981				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91982				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91983				216	45	2			3272		-4				FALSE					-0.24218				FALSE	FALSE
91984	2	36	50	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91985				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91986				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91987				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91988	2	36	54	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91989				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91990				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91991				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91992	2	36	58	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91993				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91994				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91995				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
91996	2	37	2	216	45						-4				FALSE					-0.24218				FALSE	FALSE
91997				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
91998				216	45						-4				FALSE					-0.24218				FALSE	FALSE
91999				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92000	2	37	6	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92001				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
92002				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92003				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92004	2	37	10	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92005				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
92006				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92007				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92008	2	37	14	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92009				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
92010				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92011				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92012	2	37	18	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92013				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
92014				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92015				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92016	2	37	22	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92017				216	45		2	3272			-4				FALSE					-0.24218				FALSE	FALSE
92018				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92019				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92020	2	37	26	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92021				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
92022				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92023				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92024	2	37	30	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92025				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
92026				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92027				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92028	2	37	34	216	45						-4				FALSE					-0.24218				FALSE	FALSE
92029				216	45		2				-4				FALSE					-0.24218				FALSE	FALSE
92030				216	45						-4				FALSE					-0.24218				FALSE	FALSE
92031				216	45	2					-4				FALSE					-0.24218				FALSE	FALSE
92032	2	37	38	216	45						-3				FALSE					-0.24218				FALSE	FALSE
92033				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92034				216	45						-2				FALSE					-0.24218				FALSE	FALSE
92035				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92036	2	37	42	216	45						-2				FALSE					-0.24218				FALSE	FALSE
92037				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92038				216	45						-2				FALSE					-0.24218				FALSE	FALSE
92039				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92040	2	37	46	216	45						-2				FALSE					-0.24218				FALSE	FALSE
92041				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92042				216	45						-2				FALSE					-0.24218				FALSE	FALSE
92043				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92044	2	37	50	216	45						-2				FALSE					-0.24218				FALSE	FALSE
92045				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92046				216	45						-2				FALSE					-0.24218				FALSE	FALSE
92047				216	45	2			3124		-2				FALSE					-0.24218				FALSE	FALSE

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	OIL PRES L (PSI)	OIL PRES R (PSI)	HYD OIL PRES A (PSI)	HYD OIL PRES B (PSI)	EVENT MARKER (RESV) (0-EVENT 1-.)	RADIO HEIGHT EFIS (FEET)	SINK RATE (0-. 1-TRUE)	DONT SINK (0-. 1-TRUE)	PULL UP (0-. 1-TRUE)	TERRAIN PULL UP (0-FALSE 1-TRUE)	TERRAIN (0-. 1-TRUE)	TOO LOW TERRAIN (0-. 1-TRUE)	TOO LOW GEAR (0-. 1-TRUE)	TOO LOW FLAP (0-. 1-TRUE)	G/S DEV EFIS (DDM)	G/S ENGA FCC (0-. 1-ENGA)	G/S GPWS (0-. 1-TRUE)	MINIMUMS (0-. 1-TRUE)	WINDSHEAR (0-FALSE 1-TRUE)	WINDSHEAR CAUTN (0-FALSE 1-TRUE)
92048	2	37	54	216	45						-2				FALSE					-0.24218				FALSE	FALSE
92049				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92050				216	45						-2				FALSE					-0.24218				FALSE	FALSE
92051				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92052	2	37	58	216	45						-2				FALSE					-0.24218				FALSE	FALSE
92053				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92054				216	45						-2				FALSE					-0.24218				FALSE	FALSE
92055				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92056	2	38	2	216	45						-2				FALSE					-0.24218				FALSE	FALSE
92057				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92058				216	45						-2				FALSE					-0.24218				FALSE	FALSE
92059				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92060	2	38	6	216	45						-2				FALSE					-0.24218				FALSE	FALSE
92061				216	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92062				212	45						-2				FALSE					-0.24218				FALSE	FALSE
92063				216	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92064	2	38	10	212	45						-2				FALSE					-0.24218				FALSE	FALSE
92065				212	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92066				212	45						-2				FALSE					-0.24218				FALSE	FALSE
92067				212	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92068	2	38	14	212	45						-2				FALSE					-0.24218				FALSE	FALSE
92069				212	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92070				212	45						-2				FALSE					-0.24218				FALSE	FALSE
92071				212	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92072	2	38	18	212	45						-2				FALSE					-0.24218				FALSE	FALSE
92073				212	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92074				212	45						-2				FALSE					-0.24218				FALSE	FALSE
92075				212	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92076	2	38	22	212	45						-2				FALSE					-0.24218				FALSE	FALSE
92077				208	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92078				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92079				208	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92080	2	38	26	208	45						-2				FALSE					-0.24218				FALSE	FALSE
92081				208	45		2	3272			-2				FALSE					-0.24218				FALSE	FALSE
92082				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92083				208	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92084	2	38	30	208	45						-2				FALSE					-0.24218				FALSE	FALSE
92085				208	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92086				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92087				208	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92088	2	38	34	208	45						-2				FALSE					-0.24218				FALSE	FALSE
92089				208	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92090				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92091				208	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92092	2	38	38	208	45						-2				FALSE					-0.24218				FALSE	FALSE
92093				208	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92094				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92095				208	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92096	2	38	42	208	45						-2				FALSE					-0.24218				FALSE	FALSE
92097				208	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92098				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92099				208	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92100	2	38	46	208	45						-2				FALSE					-0.24218				FALSE	FALSE
92101				208	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92102				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92103				204	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92104	2	38	50	204	45						-2				FALSE					-0.24218				FALSE	FALSE
92105				204	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92106				204	45						-2				FALSE					-0.24218				FALSE	FALSE
92107				204	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92108	2	38	54	204	45						-2				FALSE					-0.24218				FALSE	FALSE
92109				204	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92110				208	45						-2				FALSE					-0.24218				FALSE	FALSE
92111				204	45	2			3248		-2				FALSE					-0.24218				FALSE	FALSE
92112	2	38	58	204	45						-2				FALSE					-0.24218				FALSE	FALSE
92113				204	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92114				204	45						-2				FALSE					-0.24218				FALSE	FALSE
92115				204	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92116	2	39	2	204	45						-2				FALSE					-0.24218				FALSE	FALSE
92117				204	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92118				204	45						-2				FALSE					-0.24218				FALSE	FALSE
92119				204	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92120	2	39	6	204	45						-2				FALSE					-0.24218				FALSE	FALSE
92121				204	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92122				204	45						-2				FALSE					-0.24218				FALSE	FALSE
92123				204	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92124	2	39	10	204	45						-2				FALSE					-0.24218				FALSE	FALSE
92125				204	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92126				204	45						-2				FALSE					-0.24218				FALSE	FALSE
92127				204	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92128	2	39	14	204	45						-2				FALSE					-0.24218				FALSE	FALSE
92129				204	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92130				200	45						-2				FALSE					-0.24218				FALSE	FALSE
92131				204	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92132	2	39	18	200	45						-2				FALSE					-0.24218				FALSE	FALSE
92133				200	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92134				200	45						-2				FALSE					-0.24218				FALSE	FALSE
92135				200	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92136	2	39	22	200	45						-2				FALSE					-0.24218				FALSE	FALSE
92137				200	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92138				200	45						-2				FALSE					-0.24218				FALSE	FALSE
92139				200	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92140	2	39	26	200	45						-2				FALSE					-0.24218				FALSE	FALSE
92141				200	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92142				200	45						-2				FALSE										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	OIL PRES L (PSI)	OIL PRES R (PSI)	HYD OIL PRES A (PSI)	HYD OIL PRES B (PSI)	EVENT MARKER (RESV) (0-EVENT 1-.)	RADIO HEIGHT EFIS (FEET)	SINK RATE (0-. 1-TRUE)	DONT SINK (0-. 1-TRUE)	PULL UP (0-. 1-TRUE)	TERRAIN PULL UP (0-FALSE 1-TRUE)	TERRAIN (0-. 1-TRUE)	TOO LOW TERRAIN (0-. 1-TRUE)	TOO LOW GEAR (0-. 1-TRUE)	TOO LOW FLAP (0-. 1-TRUE)	G/S DEV EFIS (DDM)	G/S ENGA FCC (0-. 1-ENGA)	G/S GPWS (0-. 1-TRUE)	MINIMUMS (0-. 1-TRUE)	WINDSHEAR (0-FALSE 1-TRUE)	WINDSHEAR CAUTN (0-FALSE 1-TRUE)
92143				196	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92144	2	39	30	196	45						-2				FALSE					-0.24218				FALSE	FALSE
92145				196	45		2	3272			-2				FALSE					-0.24218				FALSE	FALSE
92146				196	45						-2				FALSE					-0.24218				FALSE	FALSE
92147				196	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92148	2	39	34	196	45						-2				FALSE					-0.24218				FALSE	FALSE
92149				196	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92150				196	45						-2				FALSE					-0.24218				FALSE	FALSE
92151				196	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92152	2	39	38	196	45						-2				FALSE					-0.24218				FALSE	FALSE
92153				196	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92154				196	45						-2				FALSE					-0.24218				FALSE	FALSE
92155				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92156	2	39	42	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92157				196	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92158				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92159				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92160	2	39	46	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92161				192	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92162				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92163				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92164	2	39	50	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92165				192	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92166				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92167				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92168	2	39	54	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92169				192	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92170				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92171				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92172	2	39	58	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92173				192	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92174				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92175				192	45	2			3248		-2				FALSE					-0.24218				FALSE	FALSE
92176	2	40	2	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92177				192	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92178				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92179				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92180	2	40	6	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92181				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92182				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92183				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92184	2	40	10	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92185				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92186				192	45						-2				FALSE					-0.24218				FALSE	FALSE
92187				192	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92188	2	40	14	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92189				192	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92190				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92191				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92192	2	40	18	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92193				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92194				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92195				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92196	2	40	22	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92197				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92198				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92199				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92200	2	40	26	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92201				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92202				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92203				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92204	2	40	30	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92205				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92206				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92207				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92208	2	40	34	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92209				188	45		2	3272			-2				FALSE					-0.24218				FALSE	FALSE
92210				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92211				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92212	2	40	38	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92213				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92214				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92215				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92216	2	40	42	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92217				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92218				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92219				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92220	2	40	46	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92221				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92222				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92223				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92224	2	40	50	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92225				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92226				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92227				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92228	2	40	54	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92229				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92230				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92231				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92232	2	40	58	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92233				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92234				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92235				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92236	2	41	2	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92237				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	OIL PRES L (PSI)	OIL PRES R (PSI)	HYD OIL PRES A (PSI)	HYD OIL PRES B (PSI)	EVENT MARKER (RESV) (0-EVENT 1-.)	RADIO HEIGHT EFIS (FEET)	SINK RATE (0-. 1-TRUE)	DONT SINK (0-. 1-TRUE)	PULL UP (0-. 1-TRUE)	TERRAIN PULL UP (0-FALSE 1-TRUE)	TERRAIN (0-. 1-TRUE)	TOO LOW TERRAIN (0-. 1-TRUE)	TOO LOW GEAR (0-. 1-TRUE)	TOO LOW FLAP (0-. 1-TRUE)	G/S DEV EFIS (DDM)	G/S ENGA FCC (0-. 1-ENGA)	G/S GPWS (0-. 1-TRUE)	MINIMUMS (0-. 1-TRUE)	WINDSHEAR (0-FALSE 1-TRUE)	WINDSHEAR CAUTN (0-FALSE 1-TRUE)
92238				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92239				184	45	2			3248		-2				FALSE					-0.24218				FALSE	FALSE
92240	2	41	6	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92241				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92242				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92243				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92244	2	41	10	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92245				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92246				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92247				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92248	2	41	14	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92249				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92250				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92251				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92252	2	41	18	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92253				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92254				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92255				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92256	2	41	22	184	45						-2				FALSE					-0.24218				FALSE	FALSE
92257				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92258				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92259				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92260	2	41	26	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92261				180	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92262				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92263				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92264	2	41	30	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92265				180	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92266				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92267				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92268	2	41	34	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92269				180	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92270				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92271				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92272	2	41	38	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92273				180	45		2	3272			-2				FALSE					-0.24218				FALSE	FALSE
92274				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92275				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92276	2	41	42	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92277				180	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92278				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92279				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92280	2	41	46	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92281				180	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92282				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92283				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92284	2	41	50	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92285				180	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92286				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92287				180	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92288	2	41	54	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92289				180	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92290				180	45						-2				FALSE					-0.24218				FALSE	FALSE
92291				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92292	2	41	58	180	45						-2				FALSE					-0.24218				FALSE	FALSE
92293				184	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92294				184	45						-2				FALSE					-0.24218				FALSE	FALSE
92295				184	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92296	2	42	2	188	45						-2				FALSE					-0.24218				FALSE	FALSE
92297				188	45		2				-2				FALSE					-0.24218				FALSE	FALSE
92298				188	45						-2				FALSE					-0.24218				FALSE	FALSE
92299				188	45	2					-2				FALSE					-0.24218				FALSE	FALSE
92300	2	42	6	192	45						-2				FALSE					-0.24218				FALSE	FALSE
92301				192	45.5		2				-2				FALSE					-0.24218				FALSE	FALSE
92302				192	49.5						-2				FALSE					-0.24218				FALSE	FALSE
92303				196	56	2			3248		-2				FALSE					-0.24218				FALSE	FALSE
92304	2	42	10	196	61						-2				FALSE					-0.24218				FALSE	FALSE
92305				196	65		2				-2				FALSE					-0.24218				FALSE	FALSE
92306				196	70						-2				FALSE					-0.24218				FALSE	FALSE
92307				200	75.5	2					-2				FALSE					-0.24218				FALSE	FALSE
92308	2	42	14	200	78.5						-2				FALSE					-0.24218				FALSE	FALSE
92309				200	83.5		2				-2				FALSE					-0.24218				FALSE	FALSE
92310				200	89						-2				FALSE					-0.24218				FALSE	FALSE
92311				200	93	2					-2				FALSE					-0.24218				FALSE	FALSE
92312	2	42	18	200	97.5						-2				FALSE					-0.24218				FALSE	FALSE
92313				204	101		2				-2				FALSE					-0.24218				FALSE	FALSE
92314				204	106.5						-2				FALSE					-0.24218				FALSE	FALSE
92315				204	109.5	2					-2				FALSE					-0.24218				FALSE	FALSE
92316	2	42	22	204	115.5						-2				FALSE					-0.24218				FALSE	FALSE
92317				204	119.5		2				-2				FALSE					-0.24218				FALSE	FALSE
92318				204	123.5						-2				FALSE					-0.24218				FALSE	FALSE
92319				208	127.5	2					-2				FALSE					-0.24218				FALSE	FALSE
92320	2	42	26	208	131.5						-2				FALSE					-0.24218				FALSE	FALSE
92321				208	135.5		2				-2				FALSE					-0.24218				FALSE	FALSE
92322				208	139						-2				FALSE					-0.24218				FALSE	FALSE
92323				204	142.5	2					-2				FALSE					-0.24218				FALSE	FALSE
92324	2	42	30	204	146						-2				FALSE					-0.24218				FALSE	FALSE
92325				196	150		2				-2				FALSE					-0.24218				FALSE	FALSE
92326				192	152						0				FALSE					-0.24218				FALSE	FALSE
92327				192	155.5	2					0				FALSE					-0.24218				FALSE	FALSE
92328	2	42	34	196	159						4				FALSE					-0.24218				FALSE	FALSE
92329				208	162		2				8				FALSE					-0.24218				FALSE	FALSE
92330				220	165.5						15				FALSE					-0.24218				FALSE	FALSE
92331				240	167.5	2					24				FALSE					-0.24218				FALSE	FALSE
92332	2	42	38	268	169.5						42				FALSE					-0.24218				FALSE	FALSE

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMPUTED AIRSPD	OIL PRES L	OIL PRES R	HYD OIL PRES A	HYD OIL PRES B	EVENT MARKER (RESV)	RADIO HEIGHT EFIS	SINK RATE	DONT SINK	PULL UP	TERRAIN PULL UP	TERRAIN	TOO LOW TERRAIN	TOO LOW GEAR	TOO LOW FLAP	G/S DEV EFIS	G/S ENGA FCC	G/S GPWS	MINIMUMS	WINDSHEAR	WINDSHEAR CAUTN
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(PSI)	(PSI)	(PSI)	(PSI)	(0-EVENT 1-.)	(FEET)	(0-. 1-TRUE)	(0-. 1-TRUE)	(0-. 1-TRUE)	(0-FALSE 1-TRUE)	(0-. 1-TRUE)	(0-. 1-TRUE)	(0-. 1-TRUE)	(0-. 1-TRUE)	(DDM)	(0-. 1-ENGA)	(0-. 1-TRUE)	(0-. 1-TRUE)	(0-FALSE 1-TRUE)	(0-FALSE 1-TRUE)
92333				300	171.5		2				64				FALSE					-0.24218				FALSE	FALSE
92334				328	172						97				FALSE					-0.24218				FALSE	FALSE
92335				364	173	2					138				FALSE					-0.24218				FALSE	FALSE
92336	2	42	42	400	174						175				FALSE					-0.24218				FALSE	FALSE
92337				440	174.5		2	3248			218				FALSE					-0.24218				FALSE	FALSE
92338				480	176						255				FALSE					-0.24218				FALSE	FALSE
92339				512	176.5	2					298				FALSE					-0.24218				FALSE	FALSE
92340	2	42	46	548	177						333				FALSE					-0.24218				FALSE	FALSE
92341				584	178		2				371				FALSE					-0.24218				FALSE	FALSE
92342				616	178.5						403				FALSE					-0.24218				FALSE	FALSE
92343				652	179	2					443				FALSE					-0.24218				FALSE	FALSE
92344	2	42	50	688	178.5						473				FALSE					-0.24218				FALSE	FALSE
92345				720	179.5		2				515				FALSE					-0.24218				FALSE	FALSE
92346				756	179.5						552				FALSE					-0.24218				FALSE	FALSE
92347				792	180	2					594				FALSE					-0.24218				FALSE	FALSE
92348	2	42	54	832	180						632				FALSE					-0.24218				FALSE	FALSE
92349				868	181		2				677				FALSE					-0.24218				FALSE	FALSE
92350				904	180.5						719				FALSE					-0.24218				FALSE	FALSE
92351				940	181.5	2					757				FALSE					-0.24218				FALSE	FALSE
92352	2	42	58	976	181						790				FALSE					-0.24218				FALSE	FALSE
92353				1016	181.5		2				838				FALSE					-0.24218				FALSE	FALSE
92354				1052	181.5						877				FALSE					-0.24218				FALSE	FALSE
92355				1096	183	2					933				FALSE					-0.24218				FALSE	FALSE
92356	2	43	2	1136	183						974				FALSE					-0.24218				FALSE	FALSE
92357				1180	184		2				1027				FALSE					-0.24218				FALSE	FALSE
92358				1220	184						1058				FALSE					-0.24218				FALSE	FALSE
92359				1268	184	2					1102				FALSE					-0.24218				FALSE	FALSE
92360	2	43	6	1312	184						1150				FALSE					-0.24218				FALSE	FALSE
92361				1352	183		2				1209				FALSE					-0.24218				FALSE	FALSE
92362				1396	184						1275				FALSE					-0.24218				FALSE	FALSE
92363				1440	184	2					1308				FALSE					-0.24218				FALSE	FALSE
92364	2	43	10	1484	183.5						1359				FALSE					-0.24218				FALSE	FALSE
92365				1528	183		2				1406				FALSE					-0.24218				FALSE	FALSE
92366				1576	183.5						1466				FALSE					-0.24218				FALSE	FALSE
92367				1624	183	2			3200		1522				FALSE					-0.24218				FALSE	FALSE
92368	2	43	14	1668	182.5						1556				FALSE					-0.24218				FALSE	FALSE
92369				1708	183		2				1615				FALSE					-0.24218				FALSE	FALSE
92370				1748	183.5						1648				FALSE					-0.24218				FALSE	FALSE
92371				1784	184.5	2					1694				FALSE					-0.24218				FALSE	FALSE
92372	2	43	18	1816	185.5						1701				FALSE					-0.24218				FALSE	FALSE
92373				1844	186.5		2				1709				FALSE					-0.24218				FALSE	FALSE
92374				1868	187.5						1751				FALSE					-0.24218				FALSE	FALSE
92375				1892	188.5	2					1776				FALSE					-0.24218				FALSE	FALSE
92376	2	43	22	1912	190						1841				FALSE					-0.24218				FALSE	FALSE
92377				1932	191.5		2				1838				FALSE					-0.24218				FALSE	FALSE
92378				1948	193						1866				FALSE					-0.24218				FALSE	FALSE
92379				1964	194.5	2					1880				FALSE					-0.24218				FALSE	FALSE
92380	2	43	26	1980	196.5						1902				FALSE					-0.24218				FALSE	FALSE
92381				2000	198.5		2				1930				FALSE					-0.24218				FALSE	FALSE
92382				2020	200.5						1940				FALSE					-0.24218				FALSE	FALSE
92383				2040	202	2					1960				FALSE					-0.24218				FALSE	FALSE
92384	2	43	30	2064	203.5						1966				FALSE					-0.24218				FALSE	FALSE
92385				2084	205		2				1987				FALSE					-0.24218				FALSE	FALSE
92386				2112	206						2004				FALSE					-0.24218				FALSE	FALSE
92387				2136	207.5	2					2045				FALSE					-0.24218				FALSE	FALSE
92388	2	43	34	2168	208.5						2088				FALSE					-0.24218				FALSE	FALSE
92389				2196	209		2				2133				FALSE					-0.24218				FALSE	FALSE
92390				2224	210.5						2132				FALSE					-0.24218				FALSE	FALSE
92391				2252	212	2					2205				FALSE					-0.24218				FALSE	FALSE
92392	2	43	38	2284	213.5						2259				FALSE					-0.24218				FALSE	FALSE
92393				2320	214.5		2				2322				FALSE					-0.24218				FALSE	FALSE
92394				2352	215.5						2378				FALSE					-0.24218				FALSE	FALSE
92395				2392	215.5	2					2419				FALSE					-0.24218				FALSE	FALSE
92396	2	43	42	2432	216						2432				FALSE					-0.24218				FALSE	FALSE
92397				2472	216.5		2				2480				FALSE					-0.24218				FALSE	FALSE
92398				2520	216.5						2508				FALSE					-0.24218				FALSE	FALSE
92399				2572	217	2					2561				FALSE					-0.24218				FALSE	FALSE
92400	2	43	46	2624	216.5						2590				FALSE					-0.24218				FALSE	FALSE
92401				2676	216.5		2	3300			2628				FALSE					-0.24218				FALSE	FALSE
92402				2728	216						2629				FALSE					-0.24218				FALSE	FALSE
92403				2784	216.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92404	2	43	50	2840	217						2630				FALSE					-0.24218				FALSE	FALSE
92405				2892	217		2				2630				FALSE					-0.24218				FALSE	FALSE
92406				2948	216.5						2630				FALSE					-0.24218				FALSE	FALSE
92407				3004	216.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92408	2	43	54	3064	216						2630				FALSE					-0.24218				FALSE	FALSE
92409				3124	216		2				2630				FALSE					-0.24218				FALSE	FALSE
92410				3188	214.5						2630				FALSE					-0.24218				FALSE	FALSE
92411				3252	214	2					2630				FALSE					-0.24218				FALSE	FALSE
92412	2	43	58	3320	213.5						2630				FALSE					-0.24218				FALSE	FALSE
92413				3392	212		2				2630				FALSE					-0.24218				FALSE	FALSE
92414				3468	209.5						2630				FALSE					-0.24218				FALSE	FALSE
92415				3544	209.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92416	2	44	2	3624	207						2630				FALSE					-0.24218				FALSE	FALSE
92417				3712	206		2				2630				FALSE					-0.24218				FALSE	FALSE
92418				3796	204.5						2630				FALSE					-0.24218				FALSE	FALSE
92419				3880	203	2					2630				FALSE					-0.24218				FALSE	FALSE
92420	2	44	6	3964	201						2630				FALSE					-0.24218				FALSE	FALSE
92421				4056	199		2				2630				FALSE					-0.24218				FALSE	FALSE
92422				4136	196.5						2630				FALSE					-0.24218				FALSE	FALSE
92423				4220	194.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92424	2	44	10	4308	195						2630				FALSE					-0.24218				FALSE	FALSE
92425				4388	192		2				2630				FALSE					-0.24218				FALSE	FALSE
92426				4460	190						2630				FALSE					-0.24218				FALSE	FALSE
92427				4532	190	2					2630				FALSE					-0.24218				FALSE	FALSE

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	OIL PRES L (PSI)	OIL PRES R (PSI)	HYD OIL PRES A (PSI)	HYD OIL PRES B (PSI)	EVENT MARKER (RESV) (0-EVENT 1-.)	RADIO HEIGHT EFIS (FEET)	SINK RATE (0-. 1-TRUE)	DONT SINK (0-. 1-TRUE)	PULL UP (0-. 1-TRUE)	TERRAIN PULL UP (0-FALSE 1-TRUE)	TERRAIN (0-. 1-TRUE)	TOO LOW TERRAIN (0-. 1-TRUE)	TOO LOW GEAR (0-. 1-TRUE)	TOO LOW FLAP (0-. 1-TRUE)	G/S DEV EFIS (DDM)	G/S ENGA FCC (0-. 1-ENGA)	G/S GPWS (0-. 1-TRUE)	MINIMUMS (0-. 1-TRUE)	WINDSHEAR (0-FALSE 1-TRUE)	WINDSHEAR CAUTN (0-FALSE 1-TRUE)
92428	2	44	14	4600	188.5						2630				FALSE					-0.24218				FALSE	FALSE
92429				4660	188		2				2630				FALSE					-0.24218				FALSE	FALSE
92430				4720	187.5						2630				FALSE					-0.24218				FALSE	FALSE
92431				4772	187	2			3248		2630				FALSE					-0.24218				FALSE	FALSE
92432	2	44	18	4824	186.5						2630				FALSE					-0.24218				FALSE	FALSE
92433				4876	186		2				2630				FALSE					-0.24218				FALSE	FALSE
92434				4920	185.5						2630				FALSE					-0.24218				FALSE	FALSE
92435				4968	185.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92436	2	44	22	5008	185						2630				FALSE					-0.24218				FALSE	FALSE
92437				5044	184.5		2				2630				FALSE					-0.24218				FALSE	FALSE
92438				5076	185.5						2630				FALSE					-0.24218				FALSE	FALSE
92439				5112	186	2					2630				FALSE					-0.24218				FALSE	FALSE
92440	2	44	26	5144	186.5						2630				FALSE					-0.24218				FALSE	FALSE
92441				5172	186		2				2630				FALSE					-0.24218				FALSE	FALSE
92442				5204	186.5						2630				FALSE					-0.24218				FALSE	FALSE
92443				5232	187	2					2630				FALSE					-0.24218				FALSE	FALSE
92444	2	44	30	5260	187.5						2630				FALSE					-0.24218				FALSE	FALSE
92445				5288	188.5		2				2630				FALSE					-0.24218				FALSE	FALSE
92446				5320	189						2630				FALSE					-0.24218				FALSE	FALSE
92447				5344	189.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92448	2	44	34	5372	191						2630				FALSE					-0.24218				FALSE	FALSE
92449				5396	192		2				2630				FALSE					-0.24218				FALSE	FALSE
92450				5420	193.5						2630				FALSE					-0.24218				FALSE	FALSE
92451				5436	195	2					2630				FALSE					-0.24218				FALSE	FALSE
92452	2	44	38	5452	196.5						2630				FALSE					-0.24218				FALSE	FALSE
92453				5460	198.5		2				2630				FALSE					-0.24218				FALSE	FALSE
92454				5464	200.5						2630				FALSE					-0.24218				FALSE	FALSE
92455				5468	202.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92456	2	44	42	5460	205.5						2630				FALSE					-0.24218				FALSE	FALSE
92457				5452	207.5		2				2630				FALSE					-0.24218				FALSE	FALSE
92458				5432	209.5						2630				FALSE					-0.24218				FALSE	FALSE
92459				5408	212	2					2630				FALSE					-0.24218				FALSE	FALSE
92460	2	44	46	5380	215						2630				FALSE					-0.24218				FALSE	FALSE
92461				5332	218.5		2				2630				FALSE					-0.24218				FALSE	FALSE
92462				5276	222						2630				FALSE					-0.24218				FALSE	FALSE
92463				5204	225.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92464	2	44	50	5096	230.5						2630				FALSE					-0.24218				FALSE	FALSE
92465				4972	236.5		2	3300			2630				FALSE					-0.24218				FALSE	FALSE
92466				4816	244.5						2630				FALSE					-0.24218				FALSE	FALSE
92467				4628	254	2					2630				FALSE					-0.24218				FALSE	FALSE
92468	2	44	54	4388	264.5						2630				FALSE					-0.24218				FALSE	FALSE
92469				4124	275.5		2				2630				FALSE					-0.24218				FALSE	FALSE
92470				3820	289.5						2630				FALSE					-0.24218				FALSE	FALSE
92471				3508	306.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92472	2	44	58	3068	317.5						2630				FALSE					-0.24218				FALSE	FALSE
92473				2640	334		2				2630				FALSE					-0.24218				FALSE	FALSE
92474				2216	352						2630				FALSE					-0.24218				FALSE	FALSE
92475				1748	368.5	2					2630				FALSE					-0.24218				FALSE	FALSE
92476	2	45	2	1320	382.5						1530				FALSE					-0.24218				FALSE	FALSE
92477				904	395		2				1234				FALSE					-0.24218				FALSE	FALSE
92478				524	410						791				FALSE					-0.24218				FALSE	FALSE
92479				180	416	2					421				FALSE					-0.24218				FALSE	FALSE

 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 20 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	N1 L (%RPM)	N1 R (%RPM)	N2 L (%RPM)	N2 R (%RPM)	FUEL FLOW L (PPH)	FUEL FLOW R (PPH)	ENG 1 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 FIRE (0-. 1-FIRE)	ENG 2 FIRE (0-. 1-FIRE)	APU FIRE (0-. 1-FIRE)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)	ENG OIL QUANT L (PINTS)	ENG OIL QUANT R (PINTS)	OIL PRES L (PSI)	OIL PRES R (PSI)
91864	2	34	50	216	45	0	13.625		44.5																1.23047				
91865				216	45	15.875	14.125				752													2.63671					2
91866				216	45	0	14.75	0																	1.23047				
91867				216	45	15.875	15.5			0														2.63671				2	
91868	2	34	54	216	45	0	16.125		49.125																1.23047				
91869				216	45	15.875	16.875				832													2.63671					2
91870				216	45	0	17.625	0																	1.23047				
91871				216	45	15.875	18.25			0														2.63671				2	
91872	2	34	58	216	45	0	18.875		54.25																1.23047				
91873				216	45	15.875	19.5				912													2.63671					2
91874				216	45	0	20.5	0																	1.23047				
91875				216	45	15.875	21.375			0														2.63671				2	
91876	2	35	2	216	45	0	22		59.875																1.23047				
91877				216	45	15.875	21.625				768													2.63671					2
91878				216	45	0	21.25	0																	1.23047				
91879				216	45	15.875	21.375			0														2.63671				2	
91880	2	35	6	216	45	0	21.375		59.5																1.23047				
91881				216	45	15.875	21.25				736													2.63671		28.75			2
91882				216	45	0	21.25	0																	1.23047				
91883				216	45	15.875	21.25			0														2.63671				2	
91884	2	35	10	216	45	0	21.25		59.5																1.23047				
91885				216	45	15.875	21.25				736													2.63671			24.5		2
91886				216	45	0	21.125	0																	1.23047				
91887				216	45	15.875	21			0														2.63671				2	
91888	2	35	14	216	45	0	21		59.375																1.23047				
91889				216	45	15.875	21				736													2.63671					2
91890				216	45	0	21	7.375																	1.23047				
91891				216	45	15.875	21.125			0														2.63671				2	
91892	2	35	18	216	45	0	21.125		59.375																1.23047				
91893				216	45	15.875	21.125				736													2.63671					2
91894				216	45	0	21.125	13.25																	1.23047				
91895				216	45	15.875	21.125			0														2.63671				2	
91896	2	35	22	216	45	0	21.125		59.375																1.23047				
91897				216	45	15.875	21				736													2.63671					2
91898				216	45	0	21.125	17.75																	1.23047				
91899				216	45	15.875	21.125			0														2.63671				2	
91900	2	35	26	216	45	0	21.125		59.375																1.23047				
91901				216	45	15.875	21.125				736													2.63671					2
91902				216	45	0	21.125	20.75																	1.23047				
91903				216	45	15.875	21			0														2.63671				2	
91904	2	35	30	216	45	0	21		59.375																1.23047				
91905				216	45	15.875	21				736													2.63671					2
91906				216	45	0	21	22.875																	1.23047				
91907				216	45	15.875	21			48														2.63671				2	
91908	2	35	34	216	45	0	21		59.375																1.23047				
91909				216	45	15.875	21				720													2.63671					2
91910				216	45	0	21	27.875																	1.23047				
91911				216	45	15.875	21			448														2.63671				2	
91912	2	35	38	216	45	0	21		59.375																1.23047				
91913				216	45	15.875	21				720													2.63671					2
91914				216	45	0	20.875	33																	1.23047				
91915				216	45	15.875	20.875			560														2.63671				2	
91916	2	35	42	216	45	0	20.875		59.375																1.23047				
91917				216	45	15.875	21				736													2.63671					2
91918				216	45	0	21	37.875																	1.23047				
91919				216	45	15.875	21			640														2.63671				2	
91920	2	35	46	216	45	0	21		59.25																1.23047				
91921				216	45	15.875	21				720													2.63671					2
91922				216	45	0	21	42.625																	1.23047				
91923				216	45	15.875	21			704														2.63671				2	
91924	2	35	50	216	45	0	21.125		59.25																1.23047				
91925				216	45	15.875	21				720													2.46093					2
91926				216	45	0	21	46.875																	1.23047				
91927				216	45	15.875	21			768														2.46093				2	
91928	2	35	54	216	45	0	21		59.25																1.23047				
91929				216	45	15.875	21				720													2.46093					2
91930				216	45	0	21	50.875																	1.23047				
91931				216	45	15.875	21			832														2.46093				2	
91932	2	35	58	216	45	0	21		59.25																1.23047				
91933				216	45	15.875	21				720													2.46093					2
91934				216	45	0	21	55.25																	1.23047				
91935				216	45	15.875	21.125			896														2.46093				2	
91936	2	36	2	216	45	0	21.125		59.25																1.23047				
91937				216	45	15.875	21.125				720													2.46093					2
91938				216	45	0	21.25	60.375																	1.23047				
91939				216	45	15.875	21.25			832														2.46093				2	
91940	2	36	6	216	45	0	21.125		59.25																1.23047				
91941				216	45	15.875	21.125				720													2.46093					2
91942				216	45	0	21.125	60.125																	1.23047				
91943				216	45	15.875	21.125			768														2.28515				2	
91944	2	36	10	216	45	0	21.125		59.25																1.23047				
91945				216	45	15.875	21.125				752													2.46093		24.75			2
91946				216	45	0	20.875	60																	1.23047				
91947				216	45	15.875	20.875			832														2.46093				2	
91948	2	36	14	216	45	0	20.75		59.25																1.23047				
91949				216	45	15.875	20.75				816													2.46093			24.25		2
91950				216	45	0	20.875	59.875																	1.23047				
91951				216	45	15.875	20.875			832														2.46093				2	
91952	2	36	18	216	45	0	20.875		59.25																1.23047				
91953				216	45	15.875	20.875				816													2.46093					2
91954				216	45	0	20.75	60																	1.23047				
91955				216	45	15.875	20.875			800														2.46093				2	
91956	2	36	22	216	45	0	20.875		59.25																1.23047				
91957				216	45	15.875	20.875				816													2.46093					2
91958				216	45	0	20.875	59.875																	1.23047				
91959				216	45	15.875	20.875			848														2.46093				2	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	N1 L (%RPM)	N1 R (%RPM)	N2 L (%RPM)	N2 R (%RPM)	FUEL FLOW L (PPH)	FUEL FLOW R (PPH)	ENG 1 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 FIRE (0-. 1-FIRE)	ENG 2 FIRE (0-. 1-FIRE)	APU FIRE (0-. 1-FIRE)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)	ENG OIL QUANT L (PINTS)	ENG OIL QUANT R (PINTS)	OIL PRES L (PSI)	OIL PRES R (PSI)
91960	2	36	26	216	45	0	21		59.25															1.23047				
91961				216	45	15.875	20.875				800													2.46093					2
91962				216	45	0	20.875	59.875																	1.23047				
91963				216	45	15.875	20.875			816														2.46093				2	
91964	2	36	30	216	45	0	21		59.25																1.23047				
91965				216	45	15.875	20.875				800													2.46093					2
91966				216	45	0	20.875	59.875																	1.23047				
91967				216	45	15.875	20.875			800														2.46093				2	
91968	2	36	34	216	45	0	20.875		59.25																1.23047				
91969				216	45	15.875	20.875				816													2.46093					2
91970				216	45	0	20.875	59.875																	1.23047				
91971				216	45	15.875	20.875			816														2.46093				2	
91972	2	36	38	216	45	0	20.875		59.25																1.23047				
91973				216	45	15.875	20.75				800													2.46093					2
91974				216	45	0	20.875	59.875																	1.23047				
91975				216	45	15.875	20.875			816														2.46093				2	
91976	2	36	42	216	45	0	20.875		59.25																1.23047				
91977				216	45	15.875	20.875				800													2.46093					2
91978				216	45	0	20.875	59.875																	1.23047				
91979				216	45	15.875	20.875			832														2.46093				2	
91980	2	36	46	216	45	0	20.875		59.25																1.23047				
91981				216	45	15.875	20.875				800													2.46093					2
91982				216	45	0	20.875	59.75																	1.23047				
91983				216	45	15.875	20.875			832														2.46093				2	
91984	2	36	50	216	45	0	20.875		59.25																1.23047				
91985				216	45	15.875	20.875				800													2.46093					2
91986				216	45	0	20.875	59.875																	1.23047				
91987				216	45	15.875	20.875			816														2.46093				2	
91988	2	36	54	216	45	0	20.75		59.25																1.23047				
91989				216	45	15.875	20.875				800													2.46093					2
91990				216	45	0	20.875	59.875																	1.23047				
91991				216	45	15.875	20.75			816														2.46093				2	
91992	2	36	58	216	45	0	20.875		59.125																1.23047				
91993				216	45	15.875	20.875				800													2.46093					2
91994				216	45	0	20.875	59.875																	1.23047				
91995				216	45	15.875	20.875			816														2.46093				2	
91996	2	37	2	216	45	0	20.875		59.125																1.23047				
91997				216	45	15.875	20.875				800													2.46093					2
91998				216	45	0	20.875	59.875																	1.23047				
91999				216	45	15.875	20.875			816														2.46093				2	
92000	2	37	6	216	45	0	20.875		59.25																1.23047				
92001				216	45	15.875	20.875				800													2.46093					2
92002				216	45	0	20.875	59.875																	1.23047				
92003				216	45	15.875	20.875			816														2.46093				2	
92004	2	37	10	216	45	0	20.875		59.25																1.23047				
92005				216	45	15.875	21.5				976													5.97655					2
92006				216	45	0	22.5	61.375																	5.44921				
92007				216	45	15.875	22.125			880														5.97655				2	
92008	2	37	14	216	45	0	21.875		60.75																5.44921				
92009				216	45	15.875	22				864													6.15233		24.5			2
92010				216	45	0	22.625	62.125																	7.73436				
92011				216	45	15.875	23.875			1088														10.3711				2	
92012	2	37	18	216	45	0	25.5		65.75																8.78905				
92013				216	45	15.875	28				1424													11.9531			24.25		2
92014				216	45	0	31.5	69.375																	9.84374				
92015				216	45	15.875	34.5			1488														14.414				2	
92016	2	37	22	216	45	0	39.125		79.625																12.4805				
92017				216	45	15.875	40.375				1744													15.2929					2
92018				216	45	0	40	81.375																	12.4805				
92019				216	45	15.875	39.875			2464														15.4687				2	
92020	2	37	26	216	45	0	38.375		78.875																11.25				
92021				216	45	15.875	34.875				1136													12.3047					2
92022				216	45	0	31.875	80.375																	8.96483				
92023				216	45	15.875	29.875			1712														12.1289				2	
92024	2	37	30	216	45	0	30.375		71.25																8.96483				
92025				216	45	15.875	30.625				1120													12.1289					2
92026				216	45	0	30.5	80																	8.96483				
92027				216	45	15.875	28.75			1312														10.1953				2	
92028	2	37	34	216	45	0	26.75		66.875																7.20702				
92029				216	45	15.875	25.25				832													10.0195					2
92030				216	45	0	25	74.125																	6.5039				
92031				216	45	15.875	23.625			928														8.61327				2	
92032	2	37	38	216	45	0	22.375		61.5																5.80077				
92033				216	45	15.875	22.25				816													8.43749					2
92034				216	45	0	22.75	69.875																	5.80077				
92035				216	45	15.875	22.625			1056														8.43749				2	
92036	2	37	42	216	45	0	22.375		61.625																5.80077				
92037				216	45	15.875	22.5				864													8.43749					2
92038				216	45	0	22.5	69.875																	5.80077				
92039				216	45	15.875	22.5			1072														8.43749				2	
92040	2	37	46	216	45	0	22.625		61.75																5.80077				
92041				216	45	15.875	22.625				864													8.43749					2
92042				216	45	0	22.5	68.875																	5.80077				
92043				216	45	15.875	22.5			896														7.91014				2	
92044	2	37	50	216	45	0	22.75		61.75																5.80077				
92045				216	45	15.875	22.75				864													7.3828					2
92046				216	45	0	22.75	66.375																	5.80077				
92047				216	45	15.875	22.75			928														7.3828				2	
92048	2	37	54	216	45	0	22.625		61.75																5.80077				
92049				216	45	15.875	22.5				848													7.3828					2
92050				216	45	0	22.625	66.125																	5.80077				
92051				216	45	15.875	22.5			944														7.3828				2	
92052	2	37	58	216	45	0	22.5		61.75																5.80077				
92053				216	45	15.875	22.5				848													7.3828					2
92054				216	45	0	22.375	66.25																	5.80077				
92055				216	45	15.875	22.375			944														7.3828				2	
92056	2	38	2	216	45	0	22.375		61.75																5.80077				
92057				216	45	15.875	22.375				864													7.3828					2
92058				216	45	0	22.375	66.125																	5.80077				
92059				216	45	15.875	22.25			928														7.3828				2	
92060	2	38	6	216	45	0	22.25		61.625																5.62499				

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	N1 L (%RPM)	N1 R (%RPM)	N2 L (%RPM)	N2 R (%RPM)	FUEL FLOW L (PPH)	FUEL FLOW R (PPH)	ENG 1 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 FIRE (0-. 1-FIRE)	ENG 2 FIRE (0-. 1-FIRE)	APU FIRE (0-. 1-FIRE)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)	ENG OIL QUANT L (PINTS)	ENG OIL QUANT R (PINTS)	OIL PRES L (PSI)	OIL PRES R (PSI)
92061				216	45	15.875	22.25				832												7.03124					2
92062				212	45	0	22.25	65																5.62499					
92063				216	45	15.875	22.25			912													7.03124				2	
92064	2	38	10	212	45	0	22.25		61.5															5.62499					
92065				212	45	15.875	22.25				848												7.03124					2
92066				212	45	0	22.25	64.875																5.62499					
92067				212	45	15.875	22.25			928													7.03124				2	
92068	2	38	14	212	45	0	22.25		61.5															5.62499					
92069				212	45	15.875	22.25				848												7.03124					2
92070				212	45	0	22.25	64.875																5.62499					
92071				212	45	15.875	22.25			912													7.03124				2	
92072	2	38	18	212	45	0	22.25		61.375															5.62499					
92073				212	45	15.875	22.375				848												7.03124		23.5			2
92074				212	45	0	22.25	64.875																5.62499					
92075				212	45	15.875	22.375			928													7.03124				2	
92076	2	38	22	212	45	0	22.375		61.375															5.62499					
92077				208	45	15.875	22.375				864												7.03124			23.75		2
92078				208	45	0	22.375	64.875																5.62499					
92079				208	45	15.875	22.25			928													7.03124				2	
92080	2	38	26	208	45	0	22.25		61.375															5.62499					
92081				208	45	15.875	22.25				848												7.03124					2
92082				208	45	0	22.25	64.875																5.62499					
92083				208	45	15.875	22.25			928													7.03124				2	
92084	2	38	30	208	45	0	22.125		61.5															5.62499					
92085				208	45	15.875	22				848												7.03124					2
92086				208	45	0	22	64.875																5.62499					
92087				208	45	15.875	22			928													7.03124				2	
92088	2	38	34	208	45	0	22		61.375															5.62499					
92089				208	45	15.875	22				848												7.03124					2
92090				208	45	0	22	64.875																5.62499					
92091				208	45	15.875	22.125			928													7.03124				2	
92092	2	38	38	208	45	0	22.25		61.375															5.62499					
92093				208	45	15.875	22.25				848												7.03124					2
92094				208	45	0	22.25	64.875																5.62499					
92095				208	45	15.875	22.25			928													7.03124				2	
92096	2	38	42	208	45	0	22.25		61.375															5.62499					
92097				208	45	15.875	22.25				848												7.03124					2
92098				208	45	0	22.25	64.875																5.62499					
92099				208	45	15.875	22.25			912													7.03124				2	
92100	2	38	46	208	45	0	22.25		61.375															5.62499					
92101				208	45	15.875	22.25				848												7.03124					2
92102				208	45	0	22.375	64.875																5.62499					
92103				204	45	15.875	22.375			928													7.03124				2	
92104	2	38	50	204	45	0	22.375		61.375															5.62499					
92105				204	45	15.875	22.375				848												7.03124					2
92106				204	45	0	22.375	64.875																5.62499					
92107				204	45	15.875	22.375			928													7.03124				2	
92108	2	38	54	204	45	0	22.375		61.375															5.62499					
92109				204	45	15.875	22.375				848												7.03124					2
92110				208	45	0	22.375	64.875																5.62499					
92111				204	45	15.875	22.375			928													7.03124				2	
92112	2	38	58	204	45	0	22.375		61.375															5.62499					
92113				204	45	15.875	22.25				848												7.03124					2
92114				204	45	0	22.125	64.875																5.62499					
92115				204	45	15.875	22.25			928													7.03124				2	
92116	2	39	2	204	45	0	22.25		61.375															5.62499					
92117				204	45	15.875	22.25				848												7.03124					2
92118				204	45	0	22.25	64.875																5.62499					
92119				204	45	15.875	22.25			928													7.03124				2	
92120	2	39	6	204	45	0	22.375		61.375															5.62499					
92121				204	45	15.875	22.25				848												7.03124					2
92122				204	45	0	22.25	64.875																5.62499					
92123				204	45	15.875	22.25			928													7.03124				2	
92124	2	39	10	204	45	0	22.25		61.375															5.62499					
92125				204	45	15.875	22.25				848												7.03124					2
92126				204	45	0	22.375	64.875																5.62499					
92127				204	45	15.875	22.375			928													7.03124				2	
92128	2	39	14	204	45	0	22.25		61.25															5.62499					
92129				204	45	15.875	22.25				848												7.03124					2
92130				200	45	0	22.25	64.875																5.62499					
92131				204	45	15.875	22.25			928													7.03124				2	
92132	2	39	18	200	45	0	22.375		61.375															5.62499					
92133				200	45	15.875	22.25				848												7.03124					2
92134				200	45	0	22.25	64.625																5.44921					
92135				200	45	15.875	21.125			704													3.51562				2	
92136	2	39	22	200	45	0	20.625		58.5															1.40625					
92137				200	45	15.875	21				832												2.8125		24.25			2
92138				200	45	0	21.25	59.25																1.23047					
92139				200	45	15.875	21			832													2.8125				2	
92140	2	39	26	200	45	0	21		58.875															1.23047					
92141				200	45	15.875	21				800												2.8125			24		2
92142				200	45	0	21	59.625																1.23047					
92143				196	45	15.875	21			800													2.8125				2	
92144	2	39	30	196	45	0	21		59															1.23047					
92145				196	45	15.875	21				800												2.8125					2
92146				196	45	0	21	59.625																1.23047					
92147				196	45	15.875	21			800													2.8125				2	
92148	2	39	34	196	45	0	21		58.875															1.23047					
92149				196	45	15.875	21				800												2.8125					2
92150				196	45	0	21	59.625																1.23047					
92151				196	45	15.875	21			816													2.8125				2	
92152	2	39	38	196	45	0	21		58.875															1.23047					
92153				196	45	15.875	21				800												2.8125					2
92154				196	45	0	21	59.5																1.23047					
92155				192	45	15.875	21			816													2.8125				2	
92156	2	39	42	192	45	0	21		58.875															1.23047					
92157				196	45	15.875	21				800												2.8125					2
92158				192	45	0	21	59.5																1.23047					
92159				192	45	15.875	21			816													2.8125				2	
92160	2	39	46	192	45	0	21		58.875															1.23047					
92161				192	45	15.875	21				800												2.8125					2

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	N1 L (%RPM)	N1 R (%RPM)	N2 L (%RPM)	N2 R (%RPM)	FUEL FLOW L (PPH)	FUEL FLOW R (PPH)	ENG 1 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 FIRE (0-. 1-FIRE)	ENG 2 FIRE (0-. 1-FIRE)	APU FIRE (0-. 1-FIRE)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)	ENG OIL QUANT L (PINTS)	ENG OIL QUANT R (PINTS)	OIL PRES L (PSI)	OIL PRES R (PSI)
92162				192	45	0	21	59.5																1.23047				
92163				192	45	15.875	21			816														2.8125				2	
92164	2	39	50	192	45	0	21		58.875															1.23047					
92165				192	45	15.875	21				800													2.8125					2
92166				192	45	0	21	59.5																1.23047					
92167				192	45	15.875	21			816														2.8125				2	
92168	2	39	54	192	45	0	21		58.875															1.23047					
92169				192	45	15.875	21				800													2.8125					2
92170				192	45	0	21	59.5																1.23047					
92171				192	45	15.875	21			816														2.8125				2	
92172	2	39	58	192	45	0	21		58.875															1.23047					
92173				192	45	15.875	21				800													2.8125					2
92174				192	45	0	21	59.5																1.23047					
92175				192	45	15.875	21			816														2.8125				2	
92176	2	40	2	192	45	0	21		58.875															1.23047					
92177				192	45	15.875	21				800													2.8125					2
92178				192	45	0	21	59.5																1.23047					
92179				192	45	15.875	21			800														2.8125				2	
92180	2	40	6	192	45	0	21		58.875															1.23047					
92181				188	45	15.875	21				800													2.8125					2
92182				192	45	0	21	59.5																1.23047					
92183				192	45	15.875	21			816														2.8125				2	
92184	2	40	10	192	45	0	21		58.875															1.23047					
92185				188	45	15.875	21				800													2.8125					2
92186				192	45	0	21	59.5																1.23047					
92187				192	45	15.875	21			816														2.8125				2	
92188	2	40	14	188	45	0	21		58.875															1.23047					
92189				192	45	15.875	21				800													2.8125					2
92190				188	45	0	21	59.5																1.23047					
92191				188	45	15.875	21			816														2.8125				2	
92192	2	40	18	188	45	0	21		58.875															1.23047					
92193				188	45	15.875	21				800													2.8125					2
92194				188	45	0	21	59.5																1.23047					
92195				188	45	15.875	21			816														2.8125				2	
92196	2	40	22	188	45	0	21		58.875															1.23047					
92197				188	45	15.875	21				800													2.8125					2
92198				188	45	0	21	59.5																1.23047					
92199				188	45	15.875	21			816														2.8125				2	
92200	2	40	26	188	45	0	21		58.875															1.23047					
92201				188	45	15.875	21				800													2.8125		24.25			2
92202				188	45	0	21	59.5																1.23047					
92203				188	45	15.875	21			816														2.8125				2	
92204	2	40	30	188	45	0	20.875		58.875															1.23047					
92205				188	45	15.875	21				800													2.8125			24		2
92206				188	45	0	21	59.5																1.23047					
92207				188	45	15.875	21			816														2.8125				2	
92208	2	40	34	188	45	0	21		58.875															1.23047					
92209				188	45	15.875	21				800													2.8125					2
92210				188	45	0	21	59.375																1.23047					
92211				188	45	15.875	21			816														2.8125				2	
92212	2	40	38	188	45	0	21		58.875															1.23047					
92213				188	45	15.875	21				800													2.8125					2
92214				188	45	0	21	59.375																1.23047					
92215				184	45	15.875	21			816														2.8125				2	
92216	2	40	42	188	45	0	21		58.875															1.23047					
92217				188	45	15.875	20.875				816													2.8125					2
92218				188	45	0	20.875	59.5																1.23047					
92219				188	45	15.875	20.875			816														2.8125				2	
92220	2	40	46	188	45	0	20.875		59															1.23047					
92221				188	45	15.875	20.875				800													2.8125					2
92222				184	45	0	20.875	59.5																1.23047					
92223				188	45	15.875	21			816														2.8125				2	
92224	2	40	50	188	45	0	21		59															1.23047					
92225				184	45	15.875	20.875				800													2.8125					2
92226				184	45	0	20.875	59.5																1.23047					
92227				184	45	15.875	20.875			816														2.8125				2	
92228	2	40	54	184	45	0	20.875		58.875															1.23047					
92229				184	45	15.875	21				800													2.8125					2
92230				184	45	0	21	59.5																1.23047					
92231				184	45	15.875	21			816														2.8125				2	
92232	2	40	58	184	45	0	20.875		58.875															1.23047					
92233				184	45	15.875	20.875				800													2.8125					2
92234				184	45	0	20.875	59.5																1.23047					
92235				184	45	15.875	21			816														2.8125				2	
92236	2	41	2	184	45	0	21		58.875															1.23047					
92237				184	45	15.875	21				800													2.8125					2
92238				184	45	0	21	59.5																1.23047					
92239				184	45	15.875	21.125			816														2.8125				2	
92240	2	41	6	184	45	0	21.125		58.875															1.23047					
92241				184	45	15.875	21.125				800													2.8125					2
92242				184	45	0	21	59.5																1.23047					
92243				184	45	15.875	21			800														2.8125				2	
92244	2	41	10	184	45	0	21		58.875															1.23047					
92245				184	45	15.875	21				800													2.8125					2
92246				184	45	0	21	59.5																1.23047					
92247				184	45	15.875	21			816														2.8125				2	
92248	2	41	14	184	45	0	21		58.875															1.23047					
92249				184	45	15.875	20.875				800													2.8125					2
92250				184	45	0	20.875	59.375																1.23047					
92251				184	45	15.875	20.875			816														2.8125				2	
92252	2	41	18	184	45	0	20.875		58.875															1.23047					
92253				184	45	15.875	20.875				800													2.8125					2
92254				184	45	0	20.875	59.5																1.23047					
92255				184	45	15.875	20.875			816														2.8125				2	
92256	2	41	22	184	45	0	20.875		58.875															1.75781					
92257				184	45	15.875	20.875				800													2.98828					2
92258				184	45	0	20.875	59.5																2.10937					
92259				180	45	15.875	20.875			816														2.98828				2	
92260	2	41	26	180	45	0	20.875		58.875															3.6914					
92261				180	45	15.875	20.875				800													5.44921					2
92262				180	45	0	20.875	59.625																3.86718					

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	N1 L (%RPM)	N1 R (%RPM)	N2 L (%RPM)	N2 R (%RPM)	FUEL FLOW L (PPH)	FUEL FLOW R (PPH)	ENG 1 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 FIRE (0-. 1-FIRE)	ENG 2 FIRE (0-. 1-FIRE)	APU FIRE (0-. 1-FIRE)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)	ENG OIL QUANT L (PINTS)	ENG OIL QUANT R (PINTS)	OIL PRES L (PSI)	OIL PRES R (PSI)
92263				180	45	15.875	20.875			816													5.44921				2	
92264	2	41	30	180	45	0	20.875		58.875															3.86718					
92265				180	45	15.875	20.875				800												5.44921		24.25			2
92266				180	45	0	20.875	59.625																3.86718					
92267				180	45	15.875	20.875			816													5.44921				2	
92268	2	41	34	180	45	0	20.875		58.875															3.86718					
92269				180	45	15.875	20.875				800												5.44921			24		2
92270				180	45	0	20.75	59.625																3.86718					
92271				180	45	15.875	20.75			816													5.44921				2	
92272	2	41	38	180	45	0	20.75		58.875															3.86718					
92273				180	45	15.875	20.75				800												5.44921					2
92274				180	45	0	20.75	59.75																3.86718					
92275				180	45	15.875	20.75			816													5.44921				2	
92276	2	41	42	180	45	0	20.875		58.875															3.86718					
92277				180	45	15.875	20.875				800												5.44921					2
92278				180	45	0	21	59.75																3.86718					
92279				180	45	15.875	21			816													5.44921				2	
92280	2	41	46	180	45	0	20.875		59															3.86718					
92281				180	45	15.875	20.875				800												5.44921					2
92282				180	45	0	20.875	59.875																3.86718					
92283				180	45	15.875	21.375			944													8.26171				2	
92284	2	41	50	180	45	0	22.5		61															14.7656					
92285				180	45	15.875	23.625				1184												20.9179					2
92286				180	45	0	25.25	64.625																20.3906					
92287				180	45	15.875	27.75			1200													22.8515				2	
92288	2	41	54	180	45	0	31.25		72															20.3906					
92289				180	45	15.875	34.625				1824												24.7851					2
92290				180	45	0	39.875	73																22.1484					
92291				184	45	15.875	51			1664													24.7851				2	
92292	2	41	58	180	45	0	63.625		86.625															22.1484					
92293				184	45	15.875	65				3440												24.7851					2
92294				184	45	0	63.875	86.125																22.1484					
92295				184	45	15.875	63.75			3664													24.7851				2	
92296	2	42	2	188	45	0	63.875		87.5															22.1484					
92297				188	45	15.875	70.875				4064												30.7617					2
92298				188	45	0	78.875	93.375																32.6953					
92299				188	45	15.875	79.5			6192													37.4414				2	
92300	2	42	6	192	45	0	82.75		93.625															37.2656					
92301				192	45.5	15.875	83.75				6336												40.4296					2
92302				192	49.5	0	84.625	95.125																39.1992					
92303				196	56	15.875	87.25			7696													45.1757				2	
92304	2	42	10	196	61	0	89.5		96.625															44.2968					
92305				196	65	15.875	89.875				7936												46.4062					2
92306				196	70	0	90	97																45.1757					
92307				200	75.5	15.875	90.5			8272													46.4062				2	
92308	2	42	14	200	78.5	0	90.625		97.25															45.7031					
92309				200	83.5	15.875	90.5				8192												46.4062					2
92310				200	89	0	90.375	96.75																45.7031					
92311				200	93	15.875	90.375			8144													46.2304				2	
92312	2	42	18	200	97.5	0	90.375		97.125															45.7031					
92313				204	101	15.875	90.5				8160												46.2304					2
92314				204	106.5	0	90.5	96.75																45.7031					
92315				204	109.5	15.875	90.375			8144													46.2304				2	
92316	2	42	22	204	115.5	0	90.375		96.875															45.7031					
92317				204	119.5	15.875	90.25				8112												46.2304					2
92318				204	123.5	0	90.375	96.75																45.7031					
92319				208	127.5	15.875	90.5			8112													46.2304				2	
92320	2	42	26	208	131.5	0	90.5		97															45.7031					
92321				208	135.5	15.875	90.375				8128												46.2304					2
92322				208	139	0	90.25	96.75																45.7031					
92323				204	142.5	15.875	90.375			8160													46.2304				2	
92324	2	42	30	204	146	0	90.375		97															45.7031					
92325				196	150	15.875	90.375				8144												46.2304					2
92326				192	152	0	90.25	96.875																45.7031					
92327				192	155.5	15.875	90.375			8160													46.2304				2	
92328	2	42	34	196	159	0	90.375		97															45.7031					
92329				208	162	15.875	90.375				8176												46.2304		23			2
92330				220	165.5	0	90.375	96.875																45.7031					
92331				240	167.5	15.875	90.375			8192													46.2304				2	
92332	2	42	38	268	169.5	0	90.375		97.125															45.7031					
92333				300	171.5	15.875	90.5				8160												46.2304			19.75		2
92334				328	172	0	90.5	97																45.7031					
92335				364	173	15.875	90.5			8192													46.2304				2	
92336	2	42	42	400	174	0	90.625		97.25															45.7031					
92337				440	174.5	15.875	90.75				8160												46.2304					2
92338				480	176	0	90.625	97.125																45.7031					
92339				512	176.5	15.875	90.75			8208													46.2304				2	
92340	2	42	46	548	177	0	90.75		97.375															45.7031					
92341				584	178	15.875	90.75				8160												46.2304					2
92342				616	178.5	0	90.75	97.25																45.7031					
92343				652	179	15.875	90.75			8192													46.2304				2	
92344	2	42	50	688	178.5	0	90.875		97.375															45.7031					
92345				720	179.5	15.875	90.875				8128												46.2304					2
92346				756	179.5	0	90.875	97.25																45.7031					
92347				792	180	15.875	90.875			8176													46.2304				2	
92348	2	42	54	832	180	0	90.875		97.5															45.7031					
92349				868	181	15.875	90.875				8128												46.2304					2
92350				904	180.5	0	91	97.375																45.7031					
92351				940	181.5	15.875	90.875			8160													46.2304				2	
92352	2	42	58	976	181	0	91		97.5															45.7031					
92353				1016	181.5	15.875	91				8096												46.2304					2
92354				1052	181.5	0	91	97.375																45.7031					
92355				1096	183	15.875	91			8128													46.2304				2	
92356	2	43	2	1136	183	0	91		97.5															45.7031					
92357				1180	184	15.875	91				8064												46.2304					2
92358				1220	184	0	91	97.25																45.5273					
92359				1268	184	15.875	90			7888													44.8242				2	
92360	2	43	6	1312	184	0	89.125		96.875															43.7695					
92361				1352	183	15.875	89.125				7568												44.2968					2
92362				1396	184	0	89.125	96.5																43.5937					
92363				1440	184	15.875	89.125			7568													44.121				2	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	N1 L (%RPM)	N1 R (%RPM)	N2 L (%RPM)	N2 R (%RPM)	FUEL FLOW L (PPH)	FUEL FLOW R (PPH)	ENG 1 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 FIRE (0-. 1-FIRE)	ENG 2 FIRE (0-. 1-FIRE)	APU FIRE (0-. 1-FIRE)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)	ENG OIL QUANT L (PINTS)	ENG OIL QUANT R (PINTS)	OIL PRES L (PSI)	OIL PRES R (PSI)
92364	2	43	10	1484	183.5	0	89.125		96.75															43.5937				
92365				1528	183	15.875	89.25				7504													43.9452					2
92366				1576	183.5	0	89.125	96.375																	43.5937				
92367				1624	183	15.875	89.25			7472														43.9452				2	
92368	2	43	14	1668	182.5	0	89.125		96.75																43.4179				
92369				1708	183	15.875	89.125				7456													43.9452					2
92370				1748	183.5	0	89.125	96.375																	43.4179				
92371				1784	184.5	15.875	89			7440														43.9452				2	
92372	2	43	18	1816	185.5	0	89		96.75																43.4179				
92373				1844	186.5	15.875	89				7376													43.9452					2
92374				1868	187.5	0	89	96.5																	43.2421				
92375				1892	188.5	15.875	89			7424														43.9452				2	
92376	2	43	22	1912	190	0	89		96.75																43.2421				
92377				1932	191.5	15.875	89				7360													43.9452					2
92378				1948	193	0	89	96.5																	43.2421				
92379				1964	194.5	15.875	89			7392														43.9452				2	
92380	2	43	26	1980	196.5	0	89		96.75																43.4179				
92381				2000	198.5	15.875	89				7376													43.9452					2
92382				2020	200.5	0	89.125	96.5																	43.4179				
92383				2040	202	15.875	89.125			7392														43.9452				2	
92384	2	43	30	2064	203.5	0	89.125		96.75																43.4179				
92385				2084	205	15.875	89.125				7376													43.9452					2
92386				2112	206	0	89.125	96.5																	43.5937				
92387				2136	207.5	15.875	89			7408														43.9452				2	
92388	2	43	34	2168	208.5	0	89.125		96.75																43.5937				
92389				2196	209	15.875	89.125				7360													43.9452					2
92390				2224	210.5	0	89.125	96.375																	43.5937				
92391				2252	212	15.875	89.125			7392														43.9452				2	
92392	2	43	38	2284	213.5	0	89.125		96.75																43.5937				
92393				2320	214.5	15.875	89.125				7360													43.9452		23			2
92394				2352	215.5	0	89.125	96.375																	43.4179				
92395				2392	215.5	15.875	89.25			7360														43.9452				2	
92396	2	43	42	2432	216	0	89.125		96.75																43.4179				
92397				2472	216.5	15.875	89.125				7296													43.9452			20.25		2
92398				2520	216.5	0	89.125	96.375																	43.2421				
92399				2572	217	15.875	89.125			7328														43.9452				2	
92400	2	43	46	2624	216.5	0	89		96.625																43.2421				
92401				2676	216.5	15.875	89				7248													43.9452					2
92402				2728	216	0	89.125	96.375																	43.2421				
92403				2784	216.5	15.875	89.125			7264														43.7695				2	
92404	2	43	50	2840	217	0	89.125		96.625																43.2421				
92405				2892	217	15.875	89.125				7184													43.7695					2
92406				2948	216.5	0	89.125	96.25																	43.2421				
92407				3004	216.5	15.875	89.125			7216														43.5937				2	
92408	2	43	54	3064	216	0	89.125		96.625																43.2421				
92409				3124	216	15.875	89.125				7168													43.5937					2
92410				3188	214.5	0	89.125	96.25																	43.2421				
92411				3252	214	15.875	89.125			7168														43.5937				2	
92412	2	43	58	3320	213.5	0	89.25		96.625																43.2421				
92413				3392	212	15.875	89.125				7120													43.5937					2
92414				3468	209.5	0	89.125	96.25																	43.2421				
92415				3544	209.5	15.875	89.25			7136														43.5937				2	
92416	2	44	2	3624	207	0	89.25		96.75																43.2421				
92417				3712	206	15.875	89.375				7088													43.5937					2
92418				3796	204.5	0	89.375	96.375																	43.2421				
92419				3880	203	15.875	89.375			7072														43.5937				2	
92420	2	44	6	3964	201	0	89.375		96.625																43.2421				
92421				4056	199	15.875	89.25				7008													43.5937					2
92422				4136	196.5	0	89.25	96.375																	43.2421				
92423				4220	194.5	15.875	89.375			7040														43.5937				2	
92424	2	44	10	4308	195	0	89.5		96.75																43.0663				
92425				4388	192	15.875	89.25				6928													43.4179					2
92426				4460	190	0	89.375	96.25																	43.0663				
92427				4532	190	15.875	89.375			6912														43.4179				2	
92428	2	44	14	4600	188.5	0	89.25		96.625																43.0663				
92429				4660	188	15.875	89.375				6864													43.4179					2
92430				4720	187.5	0	89.375	96.375																	42.8906				
92431				4772	187	15.875	89.375			6896														43.4179				2	
92432	2	44	18	4824	186.5	0	89.375		96.625																42.8906				
92433				4876	186	15.875	89.375				6816													43.4179					2
92434				4920	185.5	0	89.375	96.375																	42.8906				
92435				4968	185.5	15.875	89.25			6896														43.5937				2	
92436	2	44	22	5008	185	0	89.375		96.625																42.7148				
92437				5044	184.5	15.875	89.375				6768													43.5937					2
92438				5076	185.5	0	89.375	96.25																	42.7148				
92439				5112	186	15.875	89.375			6880														43.5937				2	
92440	2	44	26	5144	186.5	0	89.375		96.625																42.7148				
92441				5172	186	15.875	89.375				6736													43.5937					2
92442				5204	186.5	0	89.375	96.25																	42.7148				
92443				5232	187	15.875	89.375			6848														43.5937				2	
92444	2	44	30	5260	187.5	0	89.375		96.625																42.7148				
92445				5288	188.5	15.875	89.375				6720													43.4179					2
92446				5320	189	0	89.375	96.125																	42.7148				
92447				5344	189.5	15.875	89.375			6848														43.4179				2	
92448	2	44	34	5372	191	0	89.5		96.5																42.7148				
92449				5396	192	15.875	89.5				6752													43.4179					2
92450				5420	193.5	0	89.375	96.125																	42.7148				
92451				5436	195	15.875	89.375			6816														43.4179				2	
92452	2	44	38	5452	196.5	0	89.375		96.375																42.7148				
92453				5460	198.5	15.875	89.375				6736													43.4179					2
92454				5464	200.5	0	89.375	96																	42.7148				
92455				5468	202.5	15.875	89.375			6848														43.4179				2	
92456	2	44	42	5460	205.5	0	89.375		96.375																42.7148				
92457				5452	207.5	15.875	89.375				6752													43.4179		22.75			2
92458				5432	209.5	0	89.375	96																	42.7148				
92459				5408	212	15.875	89.25			6848														43.4179				2	
92460	2	44	46	5380	215	0	89.25		96.25																42.7148				
92461				5332	218.5	15.875	89.25				6784													43.4179			21.75		2
92462				5276	222	0	89.125	96																	42.7148				
92463				5204	225.5	15.875	89.125			6912														43.4179				2	
92464	2	44	50	5096	230.5	0	89.125		96.25																42.7148				

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	N1 L (%RPM)	N1 R (%RPM)	N2 L (%RPM)	N2 R (%RPM)	FUEL FLOW L (PPH)	FUEL FLOW R (PPH)	ENG 1 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 1 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R L SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R L SLV NOT STWD (0-UNLOCK 1-.)	ENG 2 T/R R SLV DEPLOYED (0-DEPLOY 1-.)	ENG 2 T/R R SLV NOT STWD (0-UNLOCK 1-.)	ENG 1 FIRE (0-. 1-FIRE)	ENG 2 FIRE (0-. 1-FIRE)	APU FIRE (0-. 1-FIRE)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)	ENG OIL QUANT L (PINTS)	ENG OIL QUANT R (PINTS)	OIL PRES L (PSI)	OIL PRES R (PSI)
92465				4972	236.5	15.875	89				6816	.	.	.	.	.	.	.	.	.	.	.	43.5937					2
92466				4816	244.5	0	89	96				.	.	.	.	.	.	.	.	.	.	.		42.7148				
92467				4628	254	15.875	89.625			7040		.	.	.	.	.	.	.	.	.	.	.	43.7695				2	
92468	2	44	54	4388	264.5	0	89.875		96.75			.	.	.	.	.	.	.	.	.	.	.		44.121				
92469				4124	275.5	15.875	90				7200	.	.	.	.	.	.	.	.	.	.	.	43.9452					2
92470				3820	289.5	0	89.875	96.125				.	.	.	.	.	.	.	.	.	.	.		44.121				
92471				3508	306.5	15.875	89.875			7280		.	.	.	.	.	.	.	.	.	.	.	44.2968				2	
92472	2	44	58	3068	317.5	0	89.625		96.75			.	.	.	.	.	.	.	.	.	.	.		43.9452				
92473				2640	334	15.875	89.125				7456	.	.	.	.	.	.	.	.	.	.	.	44.6484					2
92474				2216	352	0	87.5	95.875				.	.	.	.	.	.	.	.	.	.	.		43.9452				
92475				1748	368.5	15.875	77.125			6160		.	.	.	.	.	.	.	.	.	.	.	31.289				2	
92476	2	45	2	1320	382.5	0	63.375		90.5			.	.	.	.	.	.	.	.	.	.	.		19.3359				
92477				904	395	15.875	55.75				3168	.	.	.	.	.	.	.	.	.	.	.	2.28515					2
92478				524	410	0	51.5	86.25				.	.	.	.	.	.	.	.	.	.	.		2.98828				
92479				180	416	15.875	48.375			2128		.	.	.	.	.	.	.	.	.	.	.	5.27343				2	

 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 23 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
91864	2	34	50	216	45	.	.	.	.	.	.
91865				216	45	.	.	.	.	.	.
91866				216	45	.	.	.	.	.	.
91867				216	45	.	.	.	.	.	.
91868	2	34	54	216	45	.	.	.	.	.	.
91869				216	45	.	.	.	.	.	.
91870				216	45	.	.	.	.	.	.
91871				216	45	.	.	.	.	.	.
91872	2	34	58	216	45	.	.	.	.	.	.
91873				216	45	.	.	.	.	.	.
91874				216	45	.	.	.	.	.	.
91875				216	45	.	.	.	.	.	.
91876	2	35	2	216	45	.	.	.	.	.	.
91877				216	45	.	.	.	.	.	.
91878				216	45	.	.	.	.	.	.
91879				216	45	.	.	.	.	.	.
91880	2	35	6	216	45	.	.	.	.	.	.
91881				216	45	.	.	.	.	.	.
91882				216	45	.	.	.	.	.	.
91883				216	45	.	.	.	.	.	.
91884	2	35	10	216	45	.	.	.	.	.	.
91885				216	45	.	.	.	.	.	.
91886				216	45	.	.	.	.	.	.
91887				216	45	.	.	.	.	.	.
91888	2	35	14	216	45	.	.	.	.	.	.
91889				216	45	.	.	.	.	.	.
91890				216	45	.	.	.	.	.	.
91891				216	45	.	.	.	.	.	.
91892	2	35	18	216	45	.	.	.	.	.	.
91893				216	45	.	.	.	.	.	.
91894				216	45	.	.	.	.	.	.
91895				216	45	.	.	.	.	.	.
91896	2	35	22	216	45	.	.	.	.	.	.
91897				216	45	.	.	.	.	.	.
91898				216	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
91899				216	45	.	.	.	.	.	.
91900	2	35	26	216	45	.	.	.	.	.	.
91901				216	45	.	.	.	.	.	.
91902				216	45	.	.	.	.	.	.
91903				216	45	.	.	.	.	.	.
91904	2	35	30	216	45	.	.	.	.	.	.
91905				216	45	.	.	.	.	.	.
91906				216	45	.	.	.	.	.	.
91907				216	45	.	.	.	.	.	.
91908	2	35	34	216	45	.	.	.	.	.	.
91909				216	45	.	.	.	.	.	.
91910				216	45	.	.	.	.	.	.
91911				216	45	.	.	.	.	.	.
91912	2	35	38	216	45	.	.	.	.	.	.
91913				216	45	.	.	.	.	.	.
91914				216	45	.	.	.	.	.	.
91915				216	45	.	.	.	.	.	.
91916	2	35	42	216	45	.	.	.	.	.	.
91917				216	45	.	.	.	.	.	.
91918				216	45	.	.	.	.	.	.
91919				216	45	.	.	.	.	.	.
91920	2	35	46	216	45	.	.	.	.	.	.
91921				216	45	.	.	.	.	.	.
91922				216	45	.	.	.	.	.	.
91923				216	45	.	.	.	.	.	.
91924	2	35	50	216	45	.	.	.	.	.	.
91925				216	45	.	.	.	.	.	.
91926				216	45	.	.	.	.	.	.
91927				216	45	.	.	.	.	.	.
91928	2	35	54	216	45	.	.	.	.	.	.
91929				216	45	.	.	.	.	.	.
91930				216	45	.	.	.	.	.	.
91931				216	45	.	.	.	.	.	.
91932	2	35	58	216	45	.	.	.	.	.	.
91933				216	45	.	.	.	.	.	.
91934				216	45	.	.	.	.	.	.
91935				216	45	.	.	.	.	.	.
91936	2	36	2	216	45	.	.	.	.	.	.
91937				216	45	.	.	.	.	.	.
91938				216	45	.	.	.	.	.	.
91939				216	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
91940	2	36	6	216	45	.	.	.	.	.	.
91941				216	45	.	.	.	.	.	.
91942				216	45	.	.	.	.	.	.
91943				216	45	.	.	.	.	.	.
91944	2	36	10	216	45	.	.	.	.	.	.
91945				216	45	.	.	.	.	.	.
91946				216	45	.	.	.	.	.	.
91947				216	45	.	.	.	.	.	.
91948	2	36	14	216	45	.	.	.	.	.	.
91949				216	45	.	.	.	.	.	.
91950				216	45	.	.	.	.	.	.
91951				216	45	.	.	.	.	.	.
91952	2	36	18	216	45	.	.	.	.	.	.
91953				216	45	.	.	.	.	.	.
91954				216	45	.	.	.	.	.	.
91955				216	45	.	.	.	.	.	.
91956	2	36	22	216	45	.	.	.	.	.	.
91957				216	45	.	.	.	.	.	.
91958				216	45	.	.	.	.	.	.
91959				216	45	.	.	.	.	.	.
91960	2	36	26	216	45	.	.	.	.	.	.
91961				216	45	.	.	.	.	.	.
91962				216	45	.	.	.	.	.	.
91963				216	45	.	.	.	.	.	.
91964	2	36	30	216	45	.	.	.	.	.	.
91965				216	45	.	.	.	.	.	.
91966				216	45	.	.	.	.	.	.
91967				216	45	.	.	.	.	.	.
91968	2	36	34	216	45	.	.	.	.	.	.
91969				216	45	.	.	.	.	.	.
91970				216	45	.	.	.	.	.	.
91971				216	45	.	.	.	.	.	.
91972	2	36	38	216	45	.	.	.	.	.	.
91973				216	45	.	.	.	.	.	.
91974				216	45	.	.	.	.	.	.
91975				216	45	.	.	.	.	.	.
91976	2	36	42	216	45	.	.	.	KEYED	.	.
91977				216	45	.	.	.	KEYED	.	.
91978				216	45	.	.	.	.	.	.
91979				216	45	.	.	.	.	.	.
91980	2	36	46	216	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
91981				216	45	.	.	.	.	.	.
91982				216	45	.	.	.	.	.	.
91983				216	45	.	.	.	.	.	.
91984	2	36	50	216	45	.	.	.	.	.	.
91985				216	45	.	.	.	.	.	.
91986				216	45	.	.	.	.	.	.
91987				216	45	.	.	.	.	.	.
91988	2	36	54	216	45	.	.	.	.	.	.
91989				216	45	.	.	.	.	.	.
91990				216	45	.	.	.	KEYED	.	.
91991				216	45	.	.	.	KEYED	.	.
91992	2	36	58	216	45	.	.	.	KEYED	.	.
91993				216	45	.	.	.	KEYED	.	.
91994				216	45	.	.	.	KEYED	.	.
91995				216	45	.	.	.	.	.	.
91996	2	37	2	216	45	.	.	.	.	.	.
91997				216	45	.	.	.	.	.	.
91998				216	45	.	.	.	.	.	.
91999				216	45	.	.	.	.	.	.
92000	2	37	6	216	45	.	.	.	.	.	.
92001				216	45	.	.	.	.	.	.
92002				216	45	.	.	.	.	.	.
92003				216	45	.	.	.	.	.	.
92004	2	37	10	216	45	.	.	.	.	.	.
92005				216	45	.	.	.	.	.	.
92006				216	45	.	.	.	.	.	.
92007				216	45	.	.	.	.	.	.
92008	2	37	14	216	45	.	.	.	.	.	.
92009				216	45	.	.	.	.	.	.
92010				216	45	.	.	.	.	.	.
92011				216	45	.	.	.	.	.	.
92012	2	37	18	216	45	.	.	.	.	.	.
92013				216	45	.	.	.	.	.	.
92014				216	45	.	.	.	.	.	.
92015				216	45	.	.	.	.	.	.
92016	2	37	22	216	45	.	.	.	.	.	.
92017				216	45	.	.	.	.	.	.
92018				216	45	.	.	.	.	.	.
92019				216	45	.	.	.	.	.	.
92020	2	37	26	216	45	.	.	.	.	.	.
92021				216	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92022				216	45	.	.	.	.	.	.
92023				216	45	.	.	.	.	.	.
92024	2	37	30	216	45	.	.	.	.	.	.
92025				216	45	.	.	.	.	.	.
92026				216	45	.	.	.	.	.	.
92027				216	45	.	.	.	.	.	.
92028	2	37	34	216	45	.	.	.	.	.	.
92029				216	45	.	.	.	.	.	.
92030				216	45	.	.	.	.	.	.
92031				216	45	.	.	.	.	.	.
92032	2	37	38	216	45	.	.	.	.	.	.
92033				216	45	.	.	.	.	.	.
92034				216	45	.	.	.	.	.	.
92035				216	45	.	.	.	.	.	.
92036	2	37	42	216	45	.	.	.	.	.	.
92037				216	45	.	.	.	.	.	.
92038				216	45	.	.	.	.	.	.
92039				216	45	.	.	.	.	.	.
92040	2	37	46	216	45	.	.	.	.	.	.
92041				216	45	.	.	.	.	.	.
92042				216	45	.	.	.	.	.	.
92043				216	45	.	.	.	.	.	.
92044	2	37	50	216	45	.	.	.	.	.	.
92045				216	45	.	.	.	.	.	.
92046				216	45	.	.	.	.	.	.
92047				216	45	.	.	.	.	.	.
92048	2	37	54	216	45	.	.	.	.	.	.
92049				216	45	.	.	.	.	.	.
92050				216	45	.	.	.	.	.	.
92051				216	45	.	.	.	.	.	.
92052	2	37	58	216	45	.	.	.	.	.	.
92053				216	45	.	.	.	.	.	.
92054				216	45	.	.	.	.	.	.
92055				216	45	.	.	.	.	.	.
92056	2	38	2	216	45	.	.	.	.	.	.
92057				216	45	.	.	.	.	.	.
92058				216	45	.	.	.	.	.	.
92059				216	45	.	.	.	.	.	.
92060	2	38	6	216	45	.	.	.	KEYED	.	.
92061				216	45	.	.	.	.	.	.
92062				212	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92063				216	45	.	.	.	.	.	.
92064	2	38	10	212	45	.	.	.	.	.	.
92065				212	45	.	.	.	.	.	.
92066				212	45	.	.	.	.	.	.
92067				212	45	.	.	.	.	.	.
92068	2	38	14	212	45	.	.	.	.	.	.
92069				212	45	.	.	.	.	.	.
92070				212	45	.	.	.	.	.	.
92071				212	45	.	.	.	KEYED	.	.
92072	2	38	18	212	45	.	.	.	KEYED	.	.
92073				212	45	.	.	.	KEYED	.	.
92074				212	45	.	.	.	KEYED	.	.
92075				212	45	.	.	.	KEYED	.	.
92076	2	38	22	212	45	.	.	.	KEYED	.	.
92077				208	45	.	.	.	KEYED	.	.
92078				208	45	.	.	.	KEYED	.	.
92079				208	45	.	.	.	KEYED	.	.
92080	2	38	26	208	45	.	.	.	.	.	.
92081				208	45	.	.	.	.	.	.
92082				208	45	.	.	.	.	.	.
92083				208	45	.	.	.	.	.	.
92084	2	38	30	208	45	.	.	.	.	.	.
92085				208	45	.	.	.	KEYED	.	.
92086				208	45	.	.	.	.	.	.
92087				208	45	.	.	.	.	.	.
92088	2	38	34	208	45	.	.	.	.	.	.
92089				208	45	.	.	.	.	.	.
92090				208	45	.	.	.	KEYED	.	.
92091				208	45	.	.	.	KEYED	.	.
92092	2	38	38	208	45	.	.	.	.	.	.
92093				208	45	.	.	.	.	.	.
92094				208	45	.	.	.	.	.	.
92095				208	45	.	.	.	.	.	.
92096	2	38	42	208	45	.	.	.	.	.	.
92097				208	45	.	.	.	.	.	.
92098				208	45	.	.	.	.	.	.
92099				208	45	.	.	.	.	.	.
92100	2	38	46	208	45	.	.	.	.	.	.
92101				208	45	.	.	.	.	.	.
92102				208	45	.	.	.	.	.	.
92103				204	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92104	2	38	50	204	45	.	.	.	.	.	.
92105				204	45	.	.	.	.	.	.
92106				204	45	.	.	.	.	.	.
92107				204	45	.	.	.	.	.	.
92108	2	38	54	204	45	.	.	.	.	.	.
92109				204	45	.	.	.	.	.	.
92110				208	45	.	.	.	.	.	.
92111				204	45	.	.	.	.	.	.
92112	2	38	58	204	45	.	.	.	.	.	.
92113				204	45	.	.	.	.	.	.
92114				204	45	.	.	.	.	.	.
92115				204	45	.	.	.	.	.	.
92116	2	39	2	204	45	.	.	.	.	.	.
92117				204	45	.	.	.	.	.	.
92118				204	45	.	.	.	.	.	.
92119				204	45	.	.	.	.	.	.
92120	2	39	6	204	45	.	.	.	.	.	.
92121				204	45	.	.	.	.	.	.
92122				204	45	.	.	.	.	.	.
92123				204	45	.	.	.	.	.	.
92124	2	39	10	204	45	.	.	.	.	.	.
92125				204	45	.	.	.	.	.	.
92126				204	45	.	.	.	.	.	.
92127				204	45	.	.	.	.	.	.
92128	2	39	14	204	45	.	.	.	.	.	.
92129				204	45	.	.	.	.	.	.
92130				200	45	.	.	.	.	.	.
92131				204	45	.	.	.	.	.	.
92132	2	39	18	200	45	.	.	.	.	.	.
92133				200	45	.	.	.	.	.	.
92134				200	45	.	.	.	.	.	.
92135				200	45	.	.	.	.	.	.
92136	2	39	22	200	45	.	.	.	.	.	.
92137				200	45	.	.	.	.	.	.
92138				200	45	.	.	.	.	.	.
92139				200	45	.	.	.	.	.	.
92140	2	39	26	200	45	.	.	.	.	.	.
92141				200	45	.	.	.	.	.	.
92142				200	45	.	.	.	.	.	.
92143				196	45	.	.	.	.	.	.
92144	2	39	30	196	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92145				196	45	.	.	.	.	.	.
92146				196	45	.	.	.	.	.	.
92147				196	45	.	.	.	.	.	.
92148	2	39	34	196	45	.	.	.	.	.	.
92149				196	45	.	.	.	.	.	.
92150				196	45	.	.	.	.	.	.
92151				196	45	.	.	.	.	.	.
92152	2	39	38	196	45	.	.	.	.	.	.
92153				196	45	.	.	.	.	.	.
92154				196	45	.	.	.	.	.	.
92155				192	45	.	.	.	.	.	.
92156	2	39	42	192	45	.	.	.	.	.	.
92157				196	45	.	.	.	.	.	.
92158				192	45	.	.	.	.	.	.
92159				192	45	.	.	.	.	.	.
92160	2	39	46	192	45	.	.	.	.	.	.
92161				192	45	.	.	.	.	.	.
92162				192	45	.	.	.	.	.	.
92163				192	45	.	.	.	.	.	.
92164	2	39	50	192	45	.	.	.	.	.	.
92165				192	45	.	.	.	.	.	.
92166				192	45	.	.	.	.	.	.
92167				192	45	.	.	.	.	.	.
92168	2	39	54	192	45	.	.	.	.	.	.
92169				192	45	.	.	.	.	.	.
92170				192	45	.	.	.	.	.	.
92171				192	45	.	.	.	.	.	.
92172	2	39	58	192	45	.	.	.	.	.	.
92173				192	45	.	.	.	.	.	.
92174				192	45	.	.	.	.	.	.
92175				192	45	.	.	.	.	.	.
92176	2	40	2	192	45	.	.	.	.	.	.
92177				192	45	.	.	.	.	.	.
92178				192	45	.	.	.	.	.	.
92179				192	45	.	.	.	.	.	.
92180	2	40	6	192	45	.	.	.	.	.	.
92181				188	45	.	.	.	.	.	.
92182				192	45	.	.	.	.	.	.
92183				192	45	.	.	.	.	.	.
92184	2	40	10	192	45	.	.	.	.	.	.
92185				188	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92186				192	45	.	.	.	.	.	.
92187				192	45	.	.	.	.	.	.
92188	2	40	14	188	45	.	.	.	.	.	.
92189				192	45	.	.	.	.	.	.
92190				188	45	.	.	.	.	.	.
92191				188	45	.	.	.	.	.	.
92192	2	40	18	188	45	.	.	.	.	.	.
92193				188	45	.	.	.	.	.	.
92194				188	45	.	.	.	.	.	.
92195				188	45	.	.	.	.	.	.
92196	2	40	22	188	45	.	.	.	.	.	.
92197				188	45	.	.	.	.	.	.
92198				188	45	.	.	.	.	.	.
92199				188	45	.	.	.	.	.	.
92200	2	40	26	188	45	.	.	.	.	.	.
92201				188	45	.	.	.	.	.	.
92202				188	45	.	.	.	.	.	.
92203				188	45	.	.	.	.	.	.
92204	2	40	30	188	45	.	.	.	.	.	.
92205				188	45	.	.	.	.	.	.
92206				188	45	.	.	.	.	.	.
92207				188	45	.	.	.	.	.	.
92208	2	40	34	188	45	.	.	.	.	.	.
92209				188	45	.	.	.	.	.	.
92210				188	45	.	.	.	.	.	.
92211				188	45	.	.	.	.	.	.
92212	2	40	38	188	45	.	.	.	.	.	.
92213				188	45	.	.	.	.	.	.
92214				188	45	.	.	.	KEYED	.	.
92215				184	45	.	.	.	KEYED	.	.
92216	2	40	42	188	45	.	.	.	.	.	.
92217				188	45	.	.	.	.	.	.
92218				188	45	.	.	.	.	.	.
92219				188	45	.	.	.	.	.	.
92220	2	40	46	188	45	.	.	.	.	.	.
92221				188	45	.	.	.	.	.	.
92222				184	45	.	.	.	.	.	.
92223				188	45	.	.	.	.	.	.
92224	2	40	50	188	45	.	.	.	.	.	.
92225				184	45	.	.	.	.	.	.
92226				184	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92227				184	45	.	.	.	.	.	.
92228	2	40	54	184	45	.	.	.	.	.	.
92229				184	45	.	.	.	.	.	.
92230				184	45	.	.	.	KEYED	.	.
92231				184	45	.	.	.	KEYED	.	.
92232	2	40	58	184	45	.	.	.	KEYED	.	.
92233				184	45	.	.	.	KEYED	.	.
92234				184	45	.	.	.	KEYED	.	.
92235				184	45	.	.	.	KEYED	.	.
92236	2	41	2	184	45	.	.	.	.	.	.
92237				184	45	.	.	.	.	.	.
92238				184	45	.	.	.	.	.	.
92239				184	45	.	.	.	.	.	.
92240	2	41	6	184	45	.	.	.	.	.	.
92241				184	45	.	.	.	.	.	.
92242				184	45	.	.	.	.	.	.
92243				184	45	.	.	.	.	.	.
92244	2	41	10	184	45	.	.	.	.	.	.
92245				184	45	.	.	.	.	.	.
92246				184	45	.	.	.	.	.	.
92247				184	45	.	.	.	.	.	.
92248	2	41	14	184	45	.	.	.	.	.	.
92249				184	45	.	.	.	.	.	.
92250				184	45	.	.	.	.	.	.
92251				184	45	.	.	.	.	.	.
92252	2	41	18	184	45	.	.	.	.	.	.
92253				184	45	.	.	.	.	.	.
92254				184	45	.	.	.	.	.	.
92255				184	45	.	.	.	.	.	.
92256	2	41	22	184	45	.	.	.	.	.	.
92257				184	45	.	.	.	.	.	.
92258				184	45	.	.	.	.	.	.
92259				180	45	.	.	.	.	.	.
92260	2	41	26	180	45	.	.	.	.	.	.
92261				180	45	.	.	.	.	.	.
92262				180	45	.	.	.	.	.	.
92263				180	45	.	.	.	.	.	.
92264	2	41	30	180	45	.	.	.	.	.	.
92265				180	45	.	.	.	.	.	.
92266				180	45	.	.	.	.	.	.
92267				180	45	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92268	2	41	34	180	45	.	.	.	.	.	.
92269				180	45	.	.	.	.	.	.
92270				180	45	.	.	.	.	.	.
92271				180	45	.	.	.	KEYED	.	.
92272	2	41	38	180	45	.	.	.	KEYED	.	.
92273				180	45	.	.	.	KEYED	.	.
92274				180	45	.	.	.	KEYED	.	.
92275				180	45	.	.	.	.	.	.
92276	2	41	42	180	45	.	.	.	.	.	.
92277				180	45	.	.	.	.	.	.
92278				180	45	.	.	.	.	.	.
92279				180	45	.	.	.	KEYED	.	.
92280	2	41	46	180	45	.	.	.	KEYED	.	.
92281				180	45	.	.	.	.	.	.
92282				180	45	.	.	.	.	.	.
92283				180	45	.	.	.	.	.	.
92284	2	41	50	180	45	.	.	.	.	.	.
92285				180	45	.	.	.	.	.	.
92286				180	45	.	.	.	.	.	.
92287				180	45	.	.	.	.	.	.
92288	2	41	54	180	45	.	.	.	.	.	.
92289				180	45	.	.	.	.	.	.
92290				180	45	.	.	.	.	.	.
92291				184	45	.	.	.	.	.	.
92292	2	41	58	180	45	.	.	.	.	.	.
92293				184	45	.	.	.	.	.	.
92294				184	45	.	.	.	.	.	.
92295				184	45	.	.	.	.	.	.
92296	2	42	2	188	45	.	.	.	.	.	.
92297				188	45	.	.	.	.	.	.
92298				188	45	.	.	.	.	.	.
92299				188	45	.	.	.	.	.	.
92300	2	42	6	192	45	.	.	.	.	.	.
92301				192	45.5	.	.	.	.	.	.
92302				192	49.5	.	.	.	.	.	.
92303				196	56	.	.	.	.	.	.
92304	2	42	10	196	61	.	.	.	.	.	.
92305				196	65	.	.	.	.	.	.
92306				196	70	.	.	.	.	.	.
92307				200	75.5	.	.	.	.	.	.
92308	2	42	14	200	78.5	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92309				200	83.5	.	.	.	.	.	.
92310				200	89	.	.	.	.	.	.
92311				200	93	.	.	.	.	.	.
92312	2	42	18	200	97.5	.	.	.	.	.	.
92313				204	101	.	.	.	.	.	.
92314				204	106.5	.	.	.	.	.	.
92315				204	109.5	.	.	.	.	.	.
92316	2	42	22	204	115.5	.	.	.	.	.	.
92317				204	119.5	.	.	.	.	.	.
92318				204	123.5	.	.	.	.	.	.
92319				208	127.5	.	.	.	.	.	.
92320	2	42	26	208	131.5	.	.	.	.	.	.
92321				208	135.5	.	.	.	.	.	.
92322				208	139	.	.	.	.	.	.
92323				204	142.5	.	.	.	.	.	.
92324	2	42	30	204	146	.	.	.	.	.	.
92325				196	150	.	.	.	.	.	.
92326				192	152	.	.	.	.	.	.
92327				192	155.5	.	.	.	.	.	.
92328	2	42	34	196	159	.	.	.	.	.	.
92329				208	162	.	.	.	.	.	.
92330				220	165.5	.	.	.	.	.	.
92331				240	167.5	.	.	.	.	.	.
92332	2	42	38	268	169.5	.	.	.	.	.	.
92333				300	171.5	.	.	.	.	.	.
92334				328	172	.	.	.	.	.	.
92335				364	173	.	.	.	.	.	.
92336	2	42	42	400	174	.	.	.	.	.	.
92337				440	174.5	.	.	.	.	.	.
92338				480	176	.	.	.	.	.	.
92339				512	176.5	.	.	.	.	.	.
92340	2	42	46	548	177	.	.	.	.	.	.
92341				584	178	.	.	.	.	.	.
92342				616	178.5	.	.	.	.	.	.
92343				652	179	.	.	.	.	.	.
92344	2	42	50	688	178.5	.	.	.	.	.	.
92345				720	179.5	.	.	.	.	.	.
92346				756	179.5	.	.	.	.	.	.
92347				792	180	.	.	.	.	.	.
92348	2	42	54	832	180	.	.	.	.	.	.
92349				868	181	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92350				904	180.5	.	.	.	.	.	.
92351				940	181.5	.	.	.	.	.	.
92352	2	42	58	976	181	.	.	.	.	.	.
92353				1016	181.5	.	.	.	.	.	.
92354				1052	181.5	.	.	.	.	.	.
92355				1096	183	.	.	.	.	.	.
92356	2	43	2	1136	183	.	.	.	.	.	.
92357				1180	184	.	.	.	.	.	.
92358				1220	184	.	.	.	.	.	.
92359				1268	184	.	.	.	.	.	.
92360	2	43	6	1312	184	.	.	.	.	.	.
92361				1352	183	.	.	.	.	.	.
92362				1396	184	.	.	.	.	.	.
92363				1440	184	.	.	.	.	.	.
92364	2	43	10	1484	183.5	.	.	.	.	.	.
92365				1528	183	.	.	.	.	.	.
92366				1576	183.5	.	.	.	.	.	.
92367				1624	183	.	.	.	KEYED	.	.
92368	2	43	14	1668	182.5	.	.	.	KEYED	.	.
92369				1708	183	.	.	.	KEYED	.	.
92370				1748	183.5	.	.	.	KEYED	.	.
92371				1784	184.5	.	.	.	KEYED	.	.
92372	2	43	18	1816	185.5	.	.	.	KEYED	.	.
92373				1844	186.5	.	.	.	.	.	.
92374				1868	187.5	.	.	.	.	.	.
92375				1892	188.5	.	.	.	.	.	.
92376	2	43	22	1912	190	.	.	.	.	.	.
92377				1932	191.5	.	.	.	.	.	.
92378				1948	193	.	.	.	.	.	.
92379				1964	194.5	.	.	.	.	.	.
92380	2	43	26	1980	196.5	.	.	.	.	.	.
92381				2000	198.5	.	.	.	.	.	.
92382				2020	200.5	.	.	.	.	.	.
92383				2040	202	.	.	.	.	.	.
92384	2	43	30	2064	203.5	.	.	.	.	.	.
92385				2084	205	.	.	.	.	.	.
92386				2112	206	.	.	.	.	.	.
92387				2136	207.5	.	.	.	.	.	.
92388	2	43	34	2168	208.5	.	.	.	.	.	.
92389				2196	209	.	.	.	.	.	.
92390				2224	210.5	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92391				2252	212	.	.	.	.	.	.
92392	2	43	38	2284	213.5	.	.	.	.	.	.
92393				2320	214.5	.	.	.	.	.	.
92394				2352	215.5	.	.	.	.	.	.
92395				2392	215.5	.	.	.	.	.	.
92396	2	43	42	2432	216	.	.	.	.	.	.
92397				2472	216.5	.	.	.	.	.	.
92398				2520	216.5	.	.	.	.	.	.
92399				2572	217	.	.	.	.	.	.
92400	2	43	46	2624	216.5	.	.	.	.	.	.
92401				2676	216.5	.	.	.	.	.	.
92402				2728	216	.	.	.	.	.	.
92403				2784	216.5	.	.	.	.	.	.
92404	2	43	50	2840	217	.	.	.	.	.	.
92405				2892	217	.	.	.	.	.	.
92406				2948	216.5	.	.	.	.	.	.
92407				3004	216.5	.	.	.	.	.	.
92408	2	43	54	3064	216	.	.	.	.	.	.
92409				3124	216	.	.	.	.	.	.
92410				3188	214.5	.	.	.	.	.	.
92411				3252	214	.	.	.	.	.	.
92412	2	43	58	3320	213.5	.	.	.	.	.	.
92413				3392	212	.	.	.	.	.	.
92414				3468	209.5	.	.	.	.	.	.
92415				3544	209.5	.	.	.	.	.	.
92416	2	44	2	3624	207	.	.	.	.	.	.
92417				3712	206	.	.	.	.	.	WARN
92418				3796	204.5	.	.	.	.	.	.
92419				3880	203	.	.	.	.	.	.
92420	2	44	6	3964	201	.	.	.	.	.	.
92421				4056	199	.	.	.	.	.	.
92422				4136	196.5	.	.	.	.	.	.
92423				4220	194.5	.	.	.	.	.	.
92424	2	44	10	4308	195	.	.	.	.	.	.
92425				4388	192	.	.	.	.	.	.
92426				4460	190	.	.	.	.	.	.
92427				4532	190	.	.	.	.	.	.
92428	2	44	14	4600	188.5	.	.	.	.	.	.
92429				4660	188	.	.	.	.	.	.
92430				4720	187.5	.	.	.	.	.	.
92431				4772	187	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92432	2	44	18	4824	186.5	.	.	.	.	.	.
92433				4876	186	.	.	.	.	.	.
92434				4920	185.5	.	.	.	.	.	.
92435				4968	185.5	.	.	.	.	.	.
92436	2	44	22	5008	185	.	.	.	.	.	.
92437				5044	184.5	.	.	.	.	.	.
92438				5076	185.5	.	.	.	.	.	.
92439				5112	186	.	.	.	.	.	.
92440	2	44	26	5144	186.5	.	.	.	.	.	.
92441				5172	186	.	.	.	.	.	.
92442				5204	186.5	.	.	.	.	.	.
92443				5232	187	.	.	.	.	.	.
92444	2	44	30	5260	187.5	.	.	.	.	.	.
92445				5288	188.5	.	.	.	.	.	.
92446				5320	189	.	.	.	.	.	.
92447				5344	189.5	.	.	.	.	.	.
92448	2	44	34	5372	191	.	.	.	.	.	.
92449				5396	192	.	.	.	.	.	.
92450				5420	193.5	.	.	.	.	.	.
92451				5436	195	.	.	.	.	.	.
92452	2	44	38	5452	196.5	.	.	.	.	.	.
92453				5460	198.5	.	.	.	.	.	.
92454				5464	200.5	.	.	.	.	.	.
92455				5468	202.5	.	.	.	.	.	.
92456	2	44	42	5460	205.5	.	.	.	.	.	.
92457				5452	207.5	.	.	.	.	.	.
92458				5432	209.5	.	.	.	.	.	.
92459				5408	212	.	.	.	.	.	.
92460	2	44	46	5380	215	.	.	.	.	.	.
92461				5332	218.5	.	.	.	.	.	.
92462				5276	222	.	.	.	.	.	.
92463				5204	225.5	.	.	.	.	.	.
92464	2	44	50	5096	230.5	.	.	.	.	.	.
92465				4972	236.5	.	.	.	.	.	.
92466				4816	244.5	.	.	.	.	.	.
92467				4628	254	.	.	.	.	.	.
92468	2	44	54	4388	264.5	.	.	.	.	.	.
92469				4124	275.5	.	.	.	.	.	.
92470				3820	289.5	.	.	.	.	.	.
92471				3508	306.5	.	.	.	.	.	.
92472	2	44	58	3068	317.5	.	.	.	.	.	.

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	HF L KEYING (0-KEYED 1-.)	HF R KEYING (0-KEYED 1-.)	VHF C KEYING (0-KEYED 1-.)	VHF L KEYING (0-KEYED 1-.)	VHF R KEYING (0-KEYED 1-.)	A/P WARN (0-WARN 1-.)
92473				2640	334	.	.	.	.	.	.
92474				2216	352	.	.	.	.	.	.
92475				1748	368.5	.	.	.	.	.	.
92476	2	45	2	1320	382.5	.	.	.	.	.	.
92477				904	395	.	.	.	.	.	.
92478				524	410	.	.	.	.	.	.
92479				180	416	.	.	.	.	.	.
92480											

 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 20 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
91864	2	34	50	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	13.625	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
91865				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	14.125	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91866				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	14.75	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91867				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	15.5	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91868	2	34	54	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	16.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91869				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	16.875	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91870				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	17.625	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91871				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	18.25	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91872	2	34	58	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	18.875	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91873				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	19.5	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91874				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.5	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91875				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.375	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91876	2	35	2	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	22	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91877				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.625	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
91878				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.25	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91879				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.375	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91880	2	35	6	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.375	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91881				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.25	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91882				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.25	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91883				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.25	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91884	2	35	10	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.25	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91885				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.25	1.7	-0.32326	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91886				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91887				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	21	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91888	2	35	14	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91889				216	45	-3.82096	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91890				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91891				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91892	2	35	18	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.24244	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91893				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											0.17578										
											0.17578										
91894				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91895				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91896	2	35	22	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.59122	34.9172
											0.17578										
											0.17578										
91897				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91898				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91899				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91900	2	35	26	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91901				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91902				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91903				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91904	2	35	30	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91905				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91906				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91907				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91908	2	35	34	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
91909				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91910				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91911				216	45	-3.82096	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91912	2	35	38	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91913				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91914				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91915				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91916	2	35	42	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91917				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91918				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91919				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91920	2	35	46	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91921				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91922				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91923				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91924	2	35	50	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											0.17578										
											0.17578										
91925				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91926				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	21	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91927				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91928	2	35	54	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91929				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91930				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91931				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91932	2	35	58	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91933				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91934				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91935				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.59122	34.9172
											0.17578										
											0.17578										
91936	2	36	2	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91937				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91938				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.25	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91939				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.25	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
91940	2	36	6	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91941				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91942				216	45	-3.88063	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91943				216	45	-3.88063	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91944	2	36	10	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21.125	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.59122	34.9172
											0.17578										
											0.17578										
91945				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	21.125	1.7	-0.24244	-0.27985	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.59122	34.9172
											0.17578										
											0.17578										
91946				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91947				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91948	2	36	14	216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.75	1.7	-0.24244	-0.24489	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.59122	34.9172
											0.17578										
											0.17578										
91949				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.75	1.7	-0.16164	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91950				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.03499	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
91951				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.64084	34.7073
											0.17578										
											0.17578										
91952	2	36	18	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91953				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.23047						-3.59122	34.7073
											0.17578										
											0.17578										
91954				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.75	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.23047						-3.59122	34.7073
											0.17578										
											0.17578										
91955				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											0.17578										
											0.17578										
91956	2	36	22	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91957				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91958				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91959				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91960	2	36	26	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91961				216	45	-3.88063	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91962				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.23047						-3.59122	34.7073
											0.17578										
											0.17578										
91963				216	45	-3.82096	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91964	2	36	30	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	21	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91965				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.32326	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91966				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91967				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91968	2	36	34	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91969				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91970				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
91971				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91972	2	36	38	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91973				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.75	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91974				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.59122	34.7073
											0.17578										
											0.17578										
91975				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.59122	34.7073
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91976	2	36	42	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91977				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	35.1254
											0.17578										
											0.17578										
91978				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91979				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91980	2	36	46	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91981				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91982				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
91983				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91984	2	36	50	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	-0.24244	-0.27985	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
91985				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.24244	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.59122	34.9172
											0.17578										
											0.17578										
91986				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											0.17578										
											0.17578										
91987				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91988	2	36	54	216	45	-3.82096	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.75	1.7	-0.32326	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
91989				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	20.875	1.7	-0.32326	-0.31481	-3.59122	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	35.1254
											0.17578										
											0.17578										
91990				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.32326	-0.27985	-3.59122	35.1254
										9.54769	0.17578	0		1.05469						-3.64084	35.1254
											0.17578										
											0.17578										
91991				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	20.75	1.7	-0.32326	-0.27985	-3.64084	35.1254
										9.54769	0.17578	0		1.05469						-3.64084	35.1254
											0.17578										
											0.17578										
91992	2	36	58	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.32326	-0.27985	-3.64084	35.1254
										9.54769	0.17578	0		1.05469						-3.64084	35.1254
											0.17578										
											0.17578										
91993				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	20.875	1.7	-0.32326	-0.27985	-3.64084	35.1254
										9.54769	0.17578	0		1.05469						-3.64084	35.1254
											0.17578										
											0.17578										
91994				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.32326	-0.27985	-3.59122	35.1254
										9.54769	0.17578	0		1.23047						-3.64084	35.1254
											0.17578										
											0.17578										
91995				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	20.875	1.7	-0.32326	-0.27985	-3.64084	35.1254
										9.54769	0.17578	0		1.23047						-3.59122	34.9172
											0.17578										
											0.17578										
91996	2	37	2	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.32326	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
91997				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.32326	-0.34976	-3.59122	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
91998				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	20.875	1.7	0	-0.17494	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
91999				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	20.875	1.7	-0.24244	-0.20992	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92000	2	37	6	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.24244	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92001				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	20.875	1.7	-0.32326	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92002				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.40409	-0.31481	-3.69037	34.9172
										9.54769	0.17578	0		1.05469						-3.69037	34.9172
											0.17578										
											0.17578										
92003				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	20.875	1.7	-0.40409	-0.41961	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92004	2	37	10	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	20.875	1.7	-0.48489	-0.34976	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92005				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	21.5	1.7	-0.40409	-0.34976	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92006				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	22.5	1.7	-0.40409	-0.34976	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92007				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	22.125	1.7	-0.40409	-0.34976	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92008	2	37	14	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	21.875	1.7	-0.40409	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92009				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	22	1.7	-0.32326	-0.31481	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92010				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	22.625	1.7	-0.32326	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92011				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	23.875	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92012	2	37	18	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	25.5	1.7	-0.32326	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92013				216	45	-3.82096	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	28	1.7	-0.32326	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92014				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	31.5	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92015				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	15.875	34.5	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92016	2	37	22	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.23047	0	39.125	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92017				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	40.375	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											0.17578										
											0.17578										
92018				216	45	-3.82096	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	40	1.7	-0.24244	-0.27985	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92019				216	45	-3.76128	-4.75997	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	15.875	39.875	1.7	-0.40409	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92020	2	37	26	216	45	-3.82096	-4.82328	0.969642	0.969645	9.54769	0.17578	0	309.375	1.05469	0	38.375	1.7	-0.48489	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92021				216	45	-3.76128	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.727	1.05469	15.875	34.875	1.7	-0.24244	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92022				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	309.727	1.05469	0	31.875	1.7	-0.56571	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0.17578										
											0.17578										
92023				216	45	-3.94032	-4.69666	0.969642	0.969645	9.54769	0.17578	0	310.078	1.05469	15.875	29.875	1.7	-1.5349	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92024	2	37	30	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	311.133	1.23047	0	30.375	1.7	-1.93828	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0.17578										
											0.17578										
92025				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0.17578	0	312.188	1.23047	15.875	30.625	1.7	-2.34132	-0.24489	-3.64084	34.9172
										9.54769	0.17578	0		1.23047						-3.64084	34.9172
											0										
											0										
92026				216	45	-3.88063	-4.63334	0.969642	0.969645	9.54769	0	0	314.648	1.23047	0	30.5	1.7	-3.3066	1.92954	-3.64084	34.9172
										9.54769	0	0		1.05469						-3.64084	34.9172
											0										
											0										
92027				216	45	-3.82096	-4.63334	0.969642	0.969645	9.54769	0	0	317.109	1.05469	15.875	28.75	1.7	19.7637	12.9665	-3.64084	34.9172
										9.54769	0	0		1.23047						-3.64084	34.9172
											0										
											0										
92028	2	37	34	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	0	0	321.328	1.05469	0	26.75	1.7	25.8946	0.767971	-3.64084	34.9172
										9.54769	0.17578	0		1.05469						-3.64084	34.9172
											0										
											0										
92029				216	45	-3.88063	-4.75997	0.969642	0.969645	9.54769	-0.17578	-0.35156	325.195	1.23047	15.875	25.25	1.7	-6.17691	-4.01553	-3.64084	34.9172
										9.54769	-0.17578	-0.35156		1.05469						-3.64084	34.9172
											-0.17578										
											-0.17578										
92030				216	45	-3.94032	-4.63334	0.969642	0.969645	9.54769	-0.17578	-0.35156	331.523	1.23047	0	25	1.7	-26.5765	-12.4389	-3.64084	34.9172
										9.54769	-0.17578	-0.35156		1.23047						-3.64084	34.9172
											-0.35156										
											-0.35156										
92031				216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	-0.35156	0	337.5	1.23047	15.875	23.625	1.7	-16.3136	-0.24489	-3.64084	34.9172
										9.54769	-0.35156	0		1.05469						-3.64084	34.9172
											-0.35156										
											-0.35156										
92032	2	37	38	216	45	-3.88063	-4.69666	0.969642	0.969645	9.54769	-0.35156	0	345.234	1.05469	0	22.375	1.7	-2.90476	-0.17494	-3.64084	34.9172
										9.54769	-0.35156	-0.35156		1.05469						-3.64084	56.5421
											-0.35156										
											-0.17578										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92033				216	45	-3.52258	-4.5067	-17.9471	18.4694	3.21902	-0.17578	-0.70312	351.211	1.05469	15.875	22.25	1.7	-2.18013	-0.20992	-3.78912	64.3333
										9.54769	-0.17578	-0.70312		1.05469						-3.64084	1.87282
											-0.17578										
											-0.17578										
92034				216	45	-3.88063	-5.70867	10.9874	-21.2343	5.34222	-0.17578	-0.35156	358.945	1.05469	0	22.75	1.7	-1.21196	-0.24489	-3.03913	-1.1254
										10.5907	-0.17578	-0.35156		1.05469						-3.29145	-0.37574
											0										
											0										
92035				216	45	-4.06334	-0.78898	4.30866	1.19328	10.5907	0	0	4.92188	1.05469	15.875	22.625	1.8	-0.08082	-0.24489	-3.69037	19.1577
										10.5907	0	-0.35156		1.05469						-10.9023	17.2165
											0										
											0										
92036	2	37	42	216	45	18.5069	10.7375	0.969642	0.969645	10.5907	0	0	12.3047	1.05469	0	22.375	1.8	0.969673	-0.24489	-14.807	17.8705
										10.5907	0	0		1.05469						1.11645	17.5444
											0										
											0										
92037				216	45	-21.3483	-22.6033	0.969642	0.969645	10.5907	0	0	17.9297	1.05469	15.875	22.5	1.7	1.37345	-0.20992	11.0127	17.5444
										10.5907	0	0.351562		1.05469						-1.27508	17.2165
											0										
											0										
92038				216	45	-1.91434	-4.94987	0.969642	0.969645	10.5907	0	0.351562	23.5547	1.05469	0	22.5	1.7	2.6634	-0.24489	-3.59122	17.2165
										10.5907	0	0.703124		1.05469						-3.59122	17.5444
											0										
											0										
92039				216	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	0	0.703124	28.4766	1.05469	15.875	22.5	1.7	2.26073	-0.20992	-3.59122	17.5444
										10.5907	0	1.05469		1.05469						-3.59122	17.5444
											0										
											-0.17578										
92040	2	37	46	216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.17578	1.05469	34.1016	1.05469	0	22.625	1.7	3.7078	-0.10497	-3.59122	17.5444
										10.5907	-0.17578	1.05469		1.05469						-3.59122	17.5444
											-0.17578										
											-0.17578										
92041				216	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.17578	1.05469	38.3203	1.05469	15.875	22.625	1.7	2.50239	-0.10497	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.05469						-3.59122	17.5444
											-0.35156										
											-0.35156										
92042				216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	43.5938	1.05469	0	22.5	1.7	-1.45419	-0.06998	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.05469						-3.59122	17.5444
											-0.52734										
											-0.52734										
92043				216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	50.625	1.05469	15.875	22.5	1.7	-3.38689	-0.06998	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.05469						-3.59122	17.5444
											-0.52734										
											-0.52734										
92044	2	37	50	216	45	-4	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	56.9531	1.23047	0	22.75	1.7	-3.14593	-0.06998	-3.59122	17.5444
										10.5907	-0.52734	0.351562		1.05469						-3.59122	17.5444
											-0.52734										
											-0.52734										
92045				216	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	65.7422	1.23047	15.875	22.75	1.7	-3.3066	-0.06998	-3.59122	17.5444
										10.5907	-0.52734	0		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92046				216	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.35156	0	73.125	1.23047	0	22.75	1.7	-2.42185	-0.06998	-3.64084	17.5444
										10.5907	-0.35156	-0.35156		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92047				216	45	-3.88063	-4.75997	0.969642	0.969645	10.5907	-0.52734	-0.35156	82.9688	1.23047	15.875	22.75	1.7	-0.80809	-0.10497	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92048	2	37	54	216	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	90	1.23047	0	22.625	1.7	0	-0.13996	-3.64084	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-0.52734										
											-0.52734										
92049				216	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.52734	-0.35156	99.4922	1.23047	15.875	22.5	1.7	0.484903	-0.13996	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92050				216	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	106.523	1.23047	0	22.625	1.7	1.29271	-0.13996	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92051				216	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	115.312	1.23047	15.875	22.5	1.7	2.74388	-0.17494	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92052	2	37	58	216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	121.641	1.23047	0	22.5	1.7	3.7078	-0.13996	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92053				216	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	127.969	1.23047	15.875	22.5	1.7	3.78796	-0.10497	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92054				216	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	-0.35156	131.133	1.23047	0	22.375	1.7	3.78796	-0.13996	-3.59122	17.5444
										10.5907	-0.70312	0		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92055				216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0	133.594	1.23047	15.875	22.375	1.7	3.78796	-0.20992	-3.59122	17.5444
										10.5907	-0.52734	0		1.23047						-3.59122	17.5444
											-0.52734										
											-0.35156										
92056	2	38	2	216	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.35156	0	134.648	1.23047	0	22.375	1.7	3.46716	-0.27985	-3.59122	17.5444
										10.5907	0	0		1.23047						-3.59122	17.5444
											0										
											0.17578										
92057				216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0.17578	-0.35156	135.703	1.23047	15.875	22.375	1.7	3.46716	-0.31481	-3.59122	17.5444
										10.5907	0.17578	-0.35156		1.23047						-3.59122	17.5444
											0										
											0										
92058				216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0	-0.35156	135.703	1.23047	0	22.375	1.7	3.46716	-0.31481	-3.59122	17.5444
										10.5907	0	-0.35156		1.23047						-3.59122	17.5444
											-0.17578										
											-0.35156										
92059				216	45	-3.88063	-4.75997	0.969642	0.969645	10.5907	-0.35156	-0.70312	135.352	1.23047	15.875	22.25	1.8	3.38689	-0.34976	-3.59122	17.5444
										10.5907	-0.35156	-0.35156		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92060	2	38	6	216	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	135.352	1.23047	0	22.25	1.7	1.05045	-0.34976	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92061				216	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	135.703	1.23047	15.875	22.25	1.7	-0.24244	-0.38469	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.64084	17.5444
											-0.52734										
											-0.35156										
92062				212	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	136.055	1.23047	0	22.25	1.7	-0.72731	0.244894	-3.59122	17.5444
										10.5907	-0.52734	0		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92063				216	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	136.406	1.23047	15.875	22.25	1.7	-1.21196	-0.34976	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92064	2	38	10	212	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0	137.109	1.23047	0	22.25	1.7	-0.32326	-0.31481	-3.59122	17.5444
										10.5907	-0.52734	0		1.23047						-3.64084	17.8705
											-0.52734										
											-0.70312										
92065				212	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.8789	0	137.109	1.23047	15.875	22.25	1.7	1.37345	-0.31481	-3.59122	17.8705
										10.5907	-0.8789	0		1.23047						-3.59122	17.8705
											-0.8789										
											-0.8789										
92066				212	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.8789	0	136.406	1.23047	0	22.25	1.7	2.3413	-0.31481	-3.64084	17.8705
										10.5907	-0.8789	0		1.23047						-3.59122	17.5444
											-0.8789										
											-1.05469										
92067				212	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-1.05469	-0.35156	134.297	1.23047	15.875	22.25	1.8	1.6156	-0.41961	-3.59122	17.5444
										10.5907	-0.8789	0		1.23047						-3.59122	17.5444
											-0.8789										
											-1.05469										
92068	2	38	14	212	45	-3.76128	-4.69666	0.969642	0.969645	10.5907	-1.05469	-0.35156	132.891	1.23047	0	22.25	1.7	0.565711	0.66366	-3.59122	17.5444
										10.5907	-0.8789	-0.35156		1.23047						-3.59122	17.5444
											-0.8789										
											-0.8789										
92069				212	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.8789	-0.35156	131.133	1.23047	15.875	22.25	1.7	-0.72731	-0.38469	-3.59122	17.5444
										10.5907	-1.05469	-0.35156		1.23047						-3.64084	17.5444
											-1.05469										
											-1.05469										
92070				212	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-1.05469	-0.35156	129.727	1.23047	0	22.25	1.7	-2.09953	-0.34976	-3.64084	17.5444
										10.5907	-1.05469	-0.35156		1.23047						-3.59122	18.195
											-1.05469										
											-1.05469										
92071				212	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-1.05469	0	129.375	1.23047	15.875	22.25	1.7	-2.5829	-0.34976	-3.59122	18.195
										10.5907	-1.05469	-0.35156		1.23047						-3.59122	18.195
											-1.05469										
											-1.05469										
92072	2	38	18	212	45	-3.82096	-4.69666	0.969642	1.04419	10.5907	-1.23047	-0.35156	129.023	1.23047	0	22.25	1.7	-2.34132	-0.31481	-3.59122	18.195
										10.5907	-1.23047	-0.35156		1.23047						-3.59122	18.195
											-1.05469										
											-1.23047										
92073				212	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-1.23047	-0.35156	128.32	1.23047	15.875	22.375	1.7	-0.32326	-0.27985	-3.59122	18.195
										10.5907	-1.05469	-0.35156		1.23047						-3.64084	18.195
											-1.05469										
											-1.05469										
92074				212	45	-3.82096	-4.69666	0.969642	1.04419	10.5907	-1.05469	-0.35156	127.266	1.23047	0	22.25	1.7	-0.48489	-0.24489	-3.64084	18.195
										10.5907	-1.05469	-0.35156		1.23047						-3.64084	18.195
											-1.05469										
											-1.05469										
92075				212	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-1.05469	-0.35156	126.211	1.23047	15.875	22.375	1.7	0.484903	-0.24489	-3.59122	18.195
										10.5907	-1.05469	0		1.23047						-3.64084	18.195
											-1.23047										
											-1.05469										
92076	2	38	22	212	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-1.05469	-0.35156	124.102	1.23047	0	22.375	1.7	1.77697	-0.24489	-3.64084	18.195
										10.5907	-1.05469	-0.35156		1.23047						-3.64084	18.195
											-1.05469										
											-1.05469										
92077				208	45	-3.94032	-4.57003	0.969642	0.969645	10.5907	-1.05469	-0.35156	121.992	1.23047	15.875	22.375	1.7	3.5474	-0.20992	-3.59122	18.195
										10.5907	-1.05469	0		1.23047						-3.59122	18.195
											-0.8789										
											-0.8789										
92078				208	45	-3.7016	-4.69666	0.969642	0.969645	10.5907	-1.05469	0	117.422	1.23047	0	22.375	1.7	3.5474	-0.24489	-3.59122	18.195
										10.5907	-1.05469	0		1.23047						-3.59122	18.195
											-0.8789										
											-1.05469										
92079				208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-1.05469	0	111.797	1.23047	15.875	22.25	1.7	3.5474	-0.24489	-3.59122	18.195
										10.5907	-1.05469	0.351562		1.23047						-3.59122	17.5444

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-1.05469										
											-1.05469										
92080	2	38	26	208	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-1.05469	0.351562	104.062	1.23047	0	22.25	1.7	3.5474	-0.20992	-3.59122	17.5444
										10.5907	-1.23047	0.703124		1.23047						-3.59122	17.5444
											-1.23047										
											-1.05469										
92081				208	45	-3.76128	-4.69666	0.969642	1.04419	10.5907	-1.05469	0.703124	97.0312	1.23047	15.875	22.25	1.7	3.5474	-0.20992	-3.59122	17.5444
										10.5907	-1.05469	0.703124		1.23047						-3.59122	17.5444
											-1.05469										
											-0.8789										
92082				208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.8789	0.703124	87.1875	1.23047	0	22.25	1.7	3.5474	-0.24489	-3.59122	17.5444
										10.5907	-0.8789	0.351562		1.23047						-3.59122	17.5444
											-0.8789										
											-0.8789										
92083				208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.8789	0.703124	79.4531	1.23047	15.875	22.25	1.8	3.06557	-0.20992	-3.64084	17.5444
										10.5907	-0.8789	0.703124		1.23047						-3.64084	17.5444
											-0.8789										
											-0.70312										
92084	2	38	30	208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	69.9609	1.23047	0	22.125	1.8	-0.48489	-0.20992	-3.64084	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.64084	17.8705
											-0.70312										
											-0.70312										
92085				208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	62.9297	1.23047	15.875	22	1.8	-0.96967	-0.20992	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.52734										
92086				208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	54.4922	1.23047	0	22	1.8	-3.3066	-0.20992	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92087				208	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	48.8672	1.23047	15.875	22	1.7	-3.9482	-0.20992	-3.59122	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92088	2	38	34	208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	1.05469	43.2422	1.23047	0	22	1.7	-3.9482	-0.20992	-3.59122	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92089				208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	1.05469	40.0781	1.23047	15.875	22	1.7	-3.86808	-0.13996	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92090				208	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.23047	0	22	1.7	-3.86808	-0.17494	-3.64084	17.8705
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.8705
											-0.35156										
											-0.35156										
92091				208	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	37.2656	1.23047	15.875	22.125	1.7	-3.86808	-0.13996	-3.64084	17.8705
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92092	2	38	38	208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	1.05469	37.2656	1.23047	0	22.25	1.7	-3.86808	-0.27985	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92093				208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	1.05469	37.6172	1.23047	15.875	22.25	1.7	-4.10832	-0.27985	-3.59122	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92094				208	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	37.6172	1.23047	0	22.25	1.7	-2.42185	-0.27985	-3.59122	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92095				208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	37.2656	1.23047	15.875	22.25	1.7	-1.45419	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92096	2	38	42	208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	37.2656	1.23047	0	22.25	1.7	-0.72731	-0.27985	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92097				208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	36.9141	1.23047	15.875	22.25	1.7	-1.45419	-0.20992	-3.59122	17.5444
										10.5907	-0.35156	0.351562		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92098				208	45	-3.88063	-4.75997	0.969642	0.969645	10.5907	-0.35156	0.703124	37.2656	1.23047	0	22.25	1.7	-2.18013	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92099				208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.23047	15.875	22.25	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92100	2	38	46	208	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.23047	0	22.25	1.7	0	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.351562		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92101				208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.351562	38.6719	1.23047	15.875	22.25	1.7	0.24246	-0.20992	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92102				208	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.0234	1.23047	0	22.375	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92103				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.375	1.23047	15.875	22.375	1.7	0.323277	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92104	2	38	50	204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.23047	0	22.375	1.7	0.404091	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92105				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	40.0781	1.23047	15.875	22.375	1.7	1.37345	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92106				204	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.23047	0	22.375	1.7	1.05045	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92107				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.23047	15.875	22.375	1.7	0.161641	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92108	2	38	54	204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	39.375	1.23047	0	22.375	1.7	0.646514	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.59122	17.5444
											-0.35156										
											-0.52734										
92109				204	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	1.05469	39.0234	1.23047	15.875	22.375	1.7	0.161641	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92110				208	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	0	22.375	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-0.35156										
											-0.52734										
92111				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.0234	1.23047	15.875	22.375	1.7	0.24246	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92112	2	38	58	204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.6719	1.23047	0	22.375	1.7	0	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.35156										
92113				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.6719	1.23047	15.875	22.25	1.7	-0.16164	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92114				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.23047	0	22.125	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92115				204	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	37.9688	1.23047	15.875	22.25	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92116	2	39	2	204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	37.9688	1.23047	0	22.25	1.7	-0.80809	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92117				204	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	38.3203	1.23047	15.875	22.25	1.7	-1.13121	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92118				204	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	1.05469	38.6719	1.23047	0	22.25	1.7	0	-0.27985	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92119				204	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	38.6719	1.23047	15.875	22.25	1.7	-0.08082	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92120	2	39	6	204	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.6719	1.23047	0	22.375	1.7	-0.32326	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92121				204	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	15.875	22.25	1.8	-0.96967	-0.27985	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92122				204	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.52734	1.05469	39.375	1.23047	0	22.25	1.7	0	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92123				204	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	39.375	1.23047	15.875	22.25	1.7	0.484903	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92124	2	39	10	204	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	39.375	1.23047	0	22.25	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92125				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	39.7266	1.23047	15.875	22.25	1.7	0.323277	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92126				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.7266	1.23047	0	22.375	1.7	-0.40409	-0.27985	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92127				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.7266	1.23047	15.875	22.375	1.7	0.161641	0.104976	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92128	2	39	14	204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	39.7266	1.23047	0	22.25	1.7	2.74388	0.594018	-3.59122	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92129				204	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.70312	1.05469	39.375	1.23047	15.875	22.25	1.8	0.969673	0.104976	-3.59122	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92130				200	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	39.375	1.23047	0	22.25	1.7	0.646514	0.139963	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92131				204	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	39.0234	1.23047	15.875	22.25	1.7	0.161641	-0.20992	-3.59122	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92132	2	39	18	200	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	38.6719	1.23047	0	22.375	1.7	0.08082	-0.20992	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92133				200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	38.3203	1.23047	15.875	22.25	1.7	-0.56571	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92134				200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	38.3203	1.23047	0	22.25	1.7	-0.48489	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92135				200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	38.3203	1.23047	15.875	21.125	1.7	-0.56571	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92136	2	39	22	200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	38.3203	1.23047	0	20.625	1.7	-0.16164	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92137				200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	37.9688	1.23047	15.875	21	1.7	-0.40409	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92138				200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	37.9688	1.23047	0	21.25	1.7	-0.72731	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92139				200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	38.3203	1.23047	15.875	21	1.7	-0.96967	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92140	2	39	26	200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	38.6719	1.23047	0	21	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	1.40625		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92141				200	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	38.6719	1.23047	15.875	21	1.7	0.646514	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.59122	17.5444

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-0.70312										
											-0.70312										
92142				200	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	37.9688	1.23047	0	21	1.7	0	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92143				196	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	37.9688	1.23047	15.875	21	1.7	-0.24244	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92144	2	39	30	196	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	37.9688	1.23047	0	21	1.7	-0.32326	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92145				196	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	37.9688	1.23047	15.875	21	1.7	-0.56571	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92146				196	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	37.9688	1.23047	0	21	1.7	-0.16164	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.8789										
											-0.70312										
92147				196	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.8789	0.703124	37.9688	1.23047	15.875	21	1.7	0.323277	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92148	2	39	34	196	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	0.703124	37.2656	1.23047	0	21	1.7	0.161641	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92149				196	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	1.05469	37.2656	1.23047	15.875	21	1.7	-0.56571	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	1.05469		1.23047						-3.59122	17.5444
											-0.70312										
											-0.52734										
92150				196	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	1.05469	37.2656	1.23047	0	21	1.7	-1.61561	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.59122	17.5444
											-0.52734										
											-0.70312										
92151				196	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	0.703124	37.6172	1.23047	15.875	21	1.8	-2.01891	-0.24489	-3.59122	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.59122	17.5444
											-0.70312										
											-0.52734										
92152	2	39	38	196	45	-3.88063	-4.63334	0.969642	1.04419	10.5907	-0.52734	0.703124	38.6719	1.23047	0	21	1.7	-1.13121	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92153				196	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	39.375	1.23047	15.875	21	1.7	0.565711	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92154				196	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	39.375	1.23047	0	21	1.7	0.565711	-0.20992	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										
92155				192	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.375	1.23047	15.875	21	1.7	0	-0.38469	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.52734										
92156	2	39	42	192	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	39.7266	1.23047	0	21	1.7	0.08082	-0.41961	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92157				196	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.7266	1.23047	15.875	21	1.7	-0.40409	-0.34976	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92158				192	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.23047	0	21	1.7	0.323277	-0.34976	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92159				192	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.23047	15.875	21	1.7	-0.32326	-0.34976	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.05469						-3.64084	17.5444
											-0.35156										
											-0.52734										
92160	2	39	46	192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.05469	0	21	1.7	0	-0.27985	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92161				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	39.375	1.05469	15.875	21	1.7	0.161641	-0.27985	-3.64084	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.64084	17.5444
											-0.52734										
											-0.35156										
92162				192	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	39.375	1.23047	0	21	1.7	-0.96967	-0.27985	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92163				192	45	-3.88063	-4.69666	0.969642	1.04419	10.5907	-0.52734	1.05469	39.7266	1.23047	15.875	21	1.7	-0.72731	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.05469						-3.64084	17.5444
											-0.35156										
											-0.35156										
92164	2	39	50	192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	39.7266	1.23047	0	21	1.7	0	-0.27985	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.05469						-3.64084	17.5444
											-0.35156										
											-0.52734										
92165				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	39.375	1.05469	15.875	21	1.7	-0.08082	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92166				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	39.375	1.05469	0	21	1.7	-0.56571	-0.27985	-3.64084	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92167				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	39.375	1.23047	15.875	21	1.7	-0.24244	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.05469						-3.64084	17.5444
											-0.52734										
											-0.35156										
92168	2	39	54	192	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.375	1.05469	0	21	1.7	-0.24244	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92169				192	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	1.05469	39.375	1.23047	15.875	21	1.8	-0.32326	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.05469						-3.64084	17.5444
											-0.35156										
											-0.35156										
92170				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.05469	0	21	1.7	-0.08082	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.05469						-3.64084	17.5444
											-0.35156										
											-0.35156										
92171				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.375	1.23047	15.875	21	1.7	0.565711	-0.24489	-3.59122	17.5444
										10.5907	-0.35156	1.05469		1.05469						-3.64084	17.5444
											-0.35156										
											-0.35156										
92172	2	39	58	192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.17578	0.703124	39.0234	1.23047	0	21	1.7	0.404091	-0.20992	-3.64084	17.5444
										10.5907	-0.17578	0.703124		1.05469						-3.64084	17.5444

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-0.17578										
											-0.35156										
92173				192	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	38.3203	1.23047	15.875	21	1.7	-1.13121	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.17578										
92174				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	38.3203	1.23047	0	21	1.7	-0.24244	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.05469						-3.64084	17.5444
											-0.35156										
											-0.52734										
92175				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	38.3203	1.23047	15.875	21	1.7	-0.88889	-0.17494	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.05469						-3.64084	17.5444
											-0.52734										
											-0.52734										
92176	2	40	2	192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.3203	1.05469	0	21	1.7	-1.5349	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92177				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	15.875	21	1.7	-0.16164	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.05469						-3.64084	17.5444
											-0.35156										
											-0.35156										
92178				192	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.0234	1.05469	0	21	1.7	0.404091	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92179				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.6719	1.05469	15.875	21	1.7	0.323277	-0.13996	-3.64084	17.5444
										10.5907	-0.52734	0.351562		1.23047						-3.64084	17.5444
											-0.52734										
											-0.35156										
92180	2	40	6	192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.351562	38.3203	1.05469	0	21	1.7	0.08082	-0.10497	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.35156										
92181				188	45	-3.76128	-4.63334	0.969642	0.969645	10.5907	-0.52734	1.05469	38.3203	1.23047	15.875	21	1.7	0	-0.13996	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.05469						-3.64084	17.5444
											-0.35156										
											-0.35156										
92182				192	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.05469	0	21	1.7	-1.13121	-0.17494	-3.64084	17.5444
										10.5907	-0.35156	0.351562		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92183				192	45	-3.76128	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.351562	38.6719	1.23047	15.875	21	1.8	-0.48489	-0.17494	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.05469						-3.64084	17.5444
											-0.52734										
											-0.52734										
92184	2	40	10	192	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	38.6719	1.23047	0	21	1.7	0.404091	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.05469						-3.64084	17.5444
											-0.52734										
											-0.52734										
92185				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.6719	1.05469	15.875	21	1.7	0.323277	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92186				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.05469	0	21	1.8	-0.72731	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92187				192	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.6719	1.23047	15.875	21	1.7	-0.32326	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.59122	17.5444
											-0.35156										
											-0.35156										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92188	2	40	14	188	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	38.6719	1.23047	0	21	1.8	-0.16164	-0.20992	-3.59122	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92189				192	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	39.0234	1.05469	15.875	21	1.7	-0.24244	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92190				188	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	0	21	1.7	-0.48489	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.05469						-3.59122	17.5444
											-0.52734										
											-0.52734										
92191				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.375	1.05469	15.875	21	1.7	0.323277	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92192	2	40	18	188	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.05469	0	21	1.7	-0.16164	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92193				188	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.375	1.23047	15.875	21	1.7	-0.24244	-0.24489	-3.64084	17.5444
										10.5907	-0.17578	0.703124		1.23047						-3.64084	17.5444
											-0.17578										
											-0.35156										
92194				188	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.375	1.05469	0	21	1.8	-0.48489	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92195				188	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	39.7266	1.23047	15.875	21	1.8	-0.72731	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.52734										
92196	2	40	22	188	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	40.0781	1.23047	0	21	1.8	-0.16164	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92197				188	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	40.0781	1.23047	15.875	21	1.7	0.565711	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92198				188	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	40.0781	1.23047	0	21	1.7	-0.32326	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92199				188	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	40.0781	1.23047	15.875	21	1.7	1.21197	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.351562		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92200	2	40	26	188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.351562	39.7266	1.23047	0	21	1.8	-0.24244	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.351562		1.05469						-3.64084	17.5444
											-0.52734										
											-0.52734										
92201				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	39.375	1.23047	15.875	21	1.7	-0.16164	-0.24489	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.52734										
92202				188	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	0	21	1.7	-0.40409	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92203				188	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.70312	0.703124	39.0234	1.23047	15.875	21	1.7	-0.72731	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-0.52734										
											-0.52734										
92204	2	40	30	188	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	0	20.875	1.8	-0.24244	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92205				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	1.05469	39.0234	1.23047	15.875	21	1.7	-0.64651	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92206				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	0	21	1.7	-0.32326	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92207				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.375	1.23047	15.875	21	1.8	-0.24244	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92208	2	40	34	188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	0	21	1.7	0.646514	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92209				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.6719	1.23047	15.875	21	1.7	-0.08082	-0.24489	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.35156										
92210				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.23047	0	21	1.7	-0.24244	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92211				188	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.23047	15.875	21	1.7	-0.48489	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92212	2	40	38	188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	37.9688	1.23047	0	21	1.7	-0.40409	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92213				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	0.703124	37.9688	1.23047	15.875	21	1.7	-0.08082	-0.17494	-3.64084	17.5444
										10.5907	-0.70312	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92214				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	37.9688	1.23047	0	21	1.7	-0.32326	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92215				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	37.9688	1.23047	15.875	21	1.8	-0.48489	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92216	2	40	42	188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.17578	1.05469	37.9688	1.23047	0	21	1.8	-0.64651	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	1.05469		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92217				188	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	37.9688	1.23047	15.875	20.875	1.8	-0.48489	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92218				188	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.3203	1.23047	0	20.875	1.8	-0.32326	-0.20992	-3.64084	17.5444
										10.5907	-0.52734	1.05469		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92219				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.3203	1.23047	15.875	20.875	1.8	-0.16164	-0.17494	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92220	2	40	46	188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.3203	1.23047	0	20.875	1.7	-0.24244	-0.17494	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92221				188	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.703124	38.3203	1.23047	15.875	20.875	1.8	-0.24244	-0.17494	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92222				184	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.703124	38.6719	1.23047	0	20.875	1.7	-0.16164	-0.17494	-3.64084	17.5444
										10.5907	-0.52734	0.703124		1.05469						-3.64084	17.5444
											-0.52734										
											-0.35156										
92223				188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	1.05469	38.6719	1.23047	15.875	21	1.8	0	-0.17494	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92224	2	40	50	188	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.6719	1.23047	0	21	1.7	-0.08082	-0.20992	-3.64084	17.5444
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92225				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.35156	0.703124	38.6719	1.23047	15.875	20.875	1.8	0.08082	-0.17494	-3.64084	17.8705
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.8705
											-0.52734										
											-0.52734										
92226				184	45	-3.88063	-4.57003	0.969642	0.969645	10.5907	-0.52734	0.703124	38.6719	1.23047	0	20.875	1.8	-0.96967	-0.17494	-3.64084	17.8705
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.8705
											-0.52734										
											-0.52734										
92227				184	45	-3.82096	-4.57003	0.969642	0.969645	10.5907	-0.52734	0.703124	39.0234	1.23047	15.875	20.875	1.8	-1.77697	-0.17494	-3.64084	17.8705
										10.5907	-0.52734	0.703124		1.23047						-3.64084	17.8705
											-0.35156										
											-0.35156										
92228	2	40	54	184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	40.0781	1.23047	0	20.875	1.7	-1.45419	-0.20992	-3.64084	17.8705
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.8705
											-0.35156										
											-0.35156										
92229				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.35156	0.703124	41.4844	1.23047	15.875	21	1.7	-1.5349	-0.20992	-3.64084	17.8705
										10.5907	-0.35156	0.703124		1.23047						-3.64084	17.8705
											-0.35156										
											-0.35156										
92230				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	42.8906	1.23047	0	21	1.7	-2.01891	-0.20992	-3.64084	17.8705
										10.5907	-0.52734	0.351562		1.23047						-3.64084	17.8705
											-0.52734										
											-0.52734										
92231				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	45	1.23047	15.875	21	1.8	-1.29272	-0.24489	-3.64084	17.8705
										10.5907	-0.52734	0.351562		1.23047						-3.64084	17.8705
											-0.52734										
											-0.52734										
92232	2	40	58	184	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	47.1094	1.23047	0	20.875	1.8	-0.80809	-0.24489	-3.64084	17.8705
										10.5907	-0.52734	0.351562		1.05469						-3.64084	17.8705
											-0.52734										
											-0.52734										
92233				184	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	49.2188	1.23047	15.875	20.875	1.8	-0.88889	-0.24489	-3.64084	17.8705
										10.5907	-0.52734	0.351562		1.23047						-3.64084	17.8705
											-0.52734										
											-0.52734										
92234				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.52734	0.351562	52.0312	1.23047	0	20.875	1.7	-2.18013	-0.27985	-3.64084	17.8705
										10.5907	-0.35156	0.351562		1.23047						-3.64084	17.8705

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-0.52734										
											-0.52734										
92235				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.351562	54.8438	1.23047	15.875	21	1.8	-3.22628	-0.27985	-3.64084	17.8705
										10.5907	-0.52734	0.351562		1.23047						-3.64084	17.8705
											-0.52734										
											-0.52734										
92236	2	41	2	184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0.351562	59.7656	1.23047	0	21	1.8	-3.3066	-0.27985	-3.64084	17.8705
										10.5907	-0.52734	0.351562		1.23047						-3.64084	17.8705
											-0.70312										
											-0.70312										
92237				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	0.351562	63.9844	1.23047	15.875	21	1.8	-2.74389	-0.27985	-3.64084	17.5444
										10.5907	-0.8789	0.351562		1.23047						-3.64084	17.8705
											-0.8789										
											-0.8789										
92238				184	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.8789	0.351562	69.2578	1.23047	0	21	1.8	-2.26074	-0.27985	-3.64084	17.5444
										10.5907	-0.8789	0.703124		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92239				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	0.703124	74.1797	1.23047	15.875	21.125	1.8	-1.61561	-0.31481	-3.64084	17.5444
										10.5907	-0.70312	0.351562		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92240	2	41	6	184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	0	80.1562	1.23047	0	21.125	1.8	-1.61561	-0.27985	-3.64084	17.5444
										10.5907	-0.35156	0		1.23047						-3.64084	17.5444
											-0.35156										
											-0.35156										
92241				184	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	-0.35156	0	85.0781	1.05469	15.875	21.125	1.7	-1.29272	-0.27985	-3.64084	17.5444
										10.5907	-0.35156	-0.35156		1.23047						-3.64084	17.5444
											-0.35156										
											-0.52734										
92242				184	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	-0.35156	91.7578	1.23047	0	21	1.8	-0.56571	-0.27985	-3.64084	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92243				184	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.70312	-0.35156	96.6797	1.23047	15.875	21	1.8	0.888893	-0.27985	-3.64084	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92244	2	41	10	184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	-0.70312	102.656	1.23047	0	21	1.8	1.29271	-0.27985	-3.64084	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92245				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	-0.35156	106.875	1.23047	15.875	21	1.8	1.37345	-0.27985	-3.64084	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92246				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	-0.35156	112.5	1.23047	0	21	1.7	1.37345	-0.27985	-3.64084	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92247				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	-0.35156	116.719	1.05469	15.875	21	1.7	1.69629	-0.27985	-3.64084	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.64084	17.5444
											-0.70312										
											-0.70312										
92248	2	41	14	184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	-0.35156	121.641	1.23047	0	21	1.7	2.01892	-0.27985	-3.64084	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92249				184	45	-3.94032	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	124.805	1.23047	15.875	20.875	1.8	3.46716	-0.27985	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92250				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	127.266	1.23047	0	20.875	1.8	3.46716	-0.27985	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92251				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	128.672	1.23047	15.875	20.875	1.7	3.46716	-0.31481	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92252	2	41	18	184	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	129.375	1.23047	0	20.875	1.8	2.98518	-0.31481	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92253				184	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.70312	-0.35156	130.43	1.23047	15.875	20.875	1.7	1.93828	-0.27985	-3.59122	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.59122	17.5444
											-0.70312										
											-0.70312										
92254				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.70312	-0.35156	131.133	1.23047	0	20.875	1.8	1.13121	-0.20992	-3.59122	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.70312										
92255				184	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.70312	-0.70312	131.836	1.23047	15.875	20.875	1.8	0.808106	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92256	2	41	22	184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	132.539	1.23047	0	20.875	1.8	0.323277	-0.24489	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92257				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	133.242	1.23047	15.875	20.875	1.8	-0.24244	-0.34976	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92258				184	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	133.594	1.23047	0	20.875	1.8	-0.40409	-0.38469	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92259				180	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.52734	-0.70312	134.297	1.23047	15.875	20.875	1.8	-0.56571	-0.38469	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92260	2	41	26	180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	134.648	1.05469	0	20.875	1.8	-0.80809	-0.38469	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92261				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	135	1.23047	15.875	20.875	1.8	-0.80809	-0.38469	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92262				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	135	1.23047	0	20.875	1.8	0.727313	-0.34976	-3.59122	17.5444
										10.5907	-0.52734	-0.70312		1.05469						-3.64084	17.5444
											-0.52734										
											-0.52734										
92263				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	134.648	1.23047	15.875	20.875	1.8	-0.16164	-0.34976	-3.64084	17.5444
										10.5907	-0.52734	-0.70312		1.23047						-3.64084	17.5444
											-0.52734										
											-0.52734										
92264	2	41	30	180	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	134.297	1.05469	0	20.875	1.8	-0.80809	-0.34976	-3.64084	17.5444
										10.5907	-0.52734	-0.70312		1.05469						-3.64084	17.5444
											-0.52734										
											-0.52734										
92265				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.70312	133.945	1.23047	15.875	20.875	1.8	-2.09953	-0.34976	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.64084	17.5444

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											-0.52734										
											-0.52734										
92266				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	134.297	1.23047	0	20.875	1.8	-2.01891	-0.31481	-3.64084	17.5444
										10.5907	-0.52734	-0.35156		1.05469						-3.59122	17.5444
											-0.52734										
											-0.52734										
92267				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	135	1.05469	15.875	20.875	1.8	-1.85764	-0.31481	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92268	2	41	34	180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	135.352	1.23047	0	20.875	1.8	-1.69628	-0.31481	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92269				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	136.406	1.23047	15.875	20.875	1.8	-1.85764	-0.27985	-3.59122	17.5444
										10.5907	-0.52734	-0.35156		1.23047						-3.59122	17.5444
											-0.52734										
											-0.52734										
92270				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-0.35156	137.109	1.23047	0	20.75	1.8	-2.09953	-0.27985	-3.64084	17.5444
										10.5907	-0.70312	-0.35156		1.23047						-3.64084	17.5444
											-0.70312										
											-0.8789										
92271				180	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.8789	-0.35156	138.867	1.23047	15.875	20.75	1.8	-3.86808	-0.27985	-3.64084	17.5444
										10.5907	-0.8789	-0.70312		1.23047						-3.64084	17.8705
											-0.8789										
											-0.8789										
92272	2	41	38	180	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.8789	-0.70312	141.328	1.23047	0	20.75	1.8	-4.10832	-0.27985	-3.64084	17.8705
										10.5907	-0.8789	-0.70312		1.23047						-3.64084	17.8705
											-0.70312										
											-0.70312										
92273				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.52734	-1.05469	146.602	1.23047	15.875	20.75	1.8	-4.10832	-0.27985	-3.64084	17.8705
										10.5907	-0.35156	-1.05469		1.23047						-3.64084	17.8705
											-0.17578										
											-0.17578										
92274				180	45	-3.94032	-4.63334	0.969642	0.969645	10.5907	0	-0.70312	152.227	1.23047	0	20.75	1.8	-4.10832	-0.27985	-3.64084	17.5444
										10.5907	0	-0.70312		1.23047						-3.64084	17.8705
											0										
											0										
92275				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0	-0.70312	160.664	1.23047	15.875	20.75	1.8	-4.10832	-0.27985	-3.64084	17.5444
										10.5907	0	-0.35156		1.23047						-3.64084	17.8705
											0										
											-0.17578										
92276	2	41	42	180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.17578	-0.35156	167.695	1.23047	0	20.875	1.8	-4.10832	-0.27985	-3.64084	17.8705
										10.5907	-0.17578	-0.70312		1.23047						-3.64084	17.8705
											-0.17578										
											-0.17578										
92277				180	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.17578	-0.70312	175.078	1.23047	15.875	20.875	1.8	-1.77697	-0.27985	-3.64084	17.8705
										10.5907	-0.17578	-0.70312		1.23047						-3.64084	17.8705
											-0.17578										
											-0.17578										
92278				180	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	-0.17578	-0.70312	182.109	1.23047	0	21	1.8	0.404091	-0.27985	-3.64084	17.8705
										10.5907	-0.17578	-0.70312		1.05469						-3.64084	17.8705
											-0.17578										
											-0.17578										
92279				180	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	-0.17578	-0.70312	188.438	1.23047	15.875	21	1.8	1.6156	-0.27985	-3.64084	18.195
										10.5907	-0.17578	-0.70312		1.23047						-3.64084	18.195
											-0.17578										
											-0.17578										
92280	2	41	46	180	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.17578	-0.70312	193.711	1.23047	0	20.875	1.8	3.06557	-0.27985	-3.64084	17.8705
										10.5907	-0.17578	-0.70312		1.23047						-3.64084	17.8705
											-0.17578										
											-0.17578										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92281				180	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.17578	-1.05469	199.336	1.23047	15.875	20.875	1.8	2.3413	-0.27985	-3.64084	17.8705
										10.5907	-0.17578	-1.05469		1.23047						-3.64084	17.8705
											-0.17578										
											-0.17578										
92282				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	-0.17578	-1.05469	203.906	1.23047	0	20.875	1.8	2.3413	-0.27985	-3.64084	17.8705
										10.5907	-0.17578	-1.05469		1.23047						-3.64084	17.8705
											-0.17578										
											-0.17578										
92283				180	45	-3.88063	-4.63334	0.969642	0.969645	10.5907	-0.17578	-1.05469	208.828	1.23047	15.875	21.375	1.8	2.6634	-0.27985	-3.64084	17.8705
										10.5907	-0.17578	-0.70312		1.23047						-3.64084	17.8705
											-0.17578										
											-0.17578										
92284	2	41	50	180	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	0	-0.70312	212.344	1.23047	0	22.5	1.8	3.38689	-0.27985	-3.59122	17.8705
										10.5907	0	-0.70312		1.23047						-3.64084	17.5444
											0										
											0										
92285				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0	-0.70312	215.156	1.23047	15.875	23.625	1.8	3.46716	-0.27985	-3.64084	17.5444
										10.5907	0	-1.05469		1.23047						-3.64084	17.5444
											0										
											0										
92286				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0	-1.05469	216.562	1.23047	0	25.25	1.8	3.8681	-0.27985	-3.59122	17.5444
										10.5907	0	-1.05469		1.23047						-3.64084	17.5444
											0										
											0										
92287				180	45	-3.82096	-4.63334	0.969642	0.969645	10.5907	0	-1.05469	217.969	1.23047	15.875	27.75	1.8	3.62762	-0.24489	-3.64084	17.5444
										10.5907	0	-1.05469		1.23047						-3.64084	17.5444
											0										
											0										
92288	2	41	54	180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0	-1.40625	219.023	1.23047	0	31.25	1.8	2.74388	-0.24489	-3.64084	17.5444
										10.5907	0	-1.40625		1.23047						-3.64084	17.5444
											0										
											0										
92289				180	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0	-1.40625	219.727	1.23047	15.875	34.625	1.8	2.26073	-0.24489	-3.59122	17.5444
										10.5907	0	-1.40625		1.05469						-3.64084	17.5444
											0										
											0										
92290				180	45	-3.82096	-4.69666	0.969642	0.969645	10.5907	0	-1.05469	220.078	1.05469	0	39.875	1.8	1.53489	-0.20992	-3.59122	17.5444
										10.5907	0	-1.05469		1.23047						-3.64084	17.5444
											0										
											0										
92291				184	45	-3.88063	-4.69666	0.969642	0.969645	10.5907	0	-1.05469	220.43	1.23047	15.875	51	1.8	0.08082	-0.20992	-3.59122	17.5444
										10.5907	0	-1.05469		1.23047						-3.59122	17.5444
											0										
											0										
92292	2	41	58	180	45	-3.82096	-4.57003	0.969642	0.969645	10.5907	0	-1.05469	220.781	1.23047	0	63.625	1.8	5.06625	2.02953	-3.59122	17.5444
										10.5907	0	-1.05469		1.23047						-3.59122	17.5444
											0										
											0										
92293				184	45	-3.88063	-4.88658	0.969642	0.969645	10.5907	0	-1.05469	220.781	1.23047	15.875	65	1.8	4.02827	1.92954	-3.59122	17.5444
										10.5907	0	-1.05469		1.23047						-3.64084	17.5444
											0										
											0										
92294				184	45	-4.06334	-4.57003	0.969642	0.969645	10.5907	0	-1.40625	221.133	1.23047	0	63.875	1.8	-1.69628	-0.76797	-3.64084	17.5444
										10.5907	0	-1.05469		1.23047						-3.64084	17.5444
											0										
											0										
92295				184	45	-3.76128	-4.94987	0.969642	0.969645	10.5907	0	-1.40625	221.836	1.23047	15.875	63.75	1.7	-8.83442	-6.12378	-3.69037	16.887
										10.5907	0.17578	-1.40625		1.23047						-3.7398	16.2229
											0.17578										
											0.17578										
92296	2	42	2	188	45	-3.94032	-4.69666	1.19327	0.373006	10.5907	0.17578	-1.40625	223.242	1.23047	0	63.875	1.8	-20.8946	-6.7058	-3.78912	14.1923
										10.5907	0.35156	-1.05469		1.23047						-3.69037	14.1923

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											0.35156										
											0.35156										
92297				188	45	-3.76128	-4.75997	1.64028	0.298401	10.5907	0.17578	-0.70312	223.594	1.23047	15.875	70.875	1.7	-6.25592	-5.54503	-3.69037	14.1923
										10.5907	0.17578	-0.70312		1.23047						-3.7398	12.4588
											0.17578										
											0.17578										
92298				188	45	-3.64193	-4.38003	2.38422	-1.11874	10.5907	0.17578	-0.70312	223.594	1.23047	0	78.875	1.8	-14.5619	-7.07086	-3.83835	9.61627
										10.5907	0.17578	-1.05469		1.23047						-3.83835	9.25566
											0.17578										
											0.17578										
92299				188	45	-3.16465	-4.5067	3.12636	-1.19327	10.5907	0.17578	-1.05469	223.945	1.23047	15.875	79.5	1.7	-18.7308	-5.56834	-3.83835	8.894
										10.5907	0.17578	-1.05469		1.05469						-3.69037	9.61627
											0.17578										
											0.17578										
92300	2	42	6	192	45	-3.88063	-4.57003	3.20046	-1.19327	10.5907	0.35156	-1.05469	223.594	1.23047	0	82.75	1.7	-13.3384	-6.64858	-3.78912	8.894
										10.5907	0.35156	-1.75781		1.23047						-3.83835	8.894
											0.35156										
											0.17578										
92301				192	45.5	-3.58224	-4.82328	3.20046	-1.19327	10.5907	0.17578	-1.05469	223.594	1.23047	15.875	83.75	1.7	-16.4512	-6.27028	-3.78912	9.25566
										10.5907	0.17578	-1.40625		1.23047						-3.7398	9.61627
											0.17578										
											0.17578										
92302				192	49.5	-3.82096	-4.63334	3.12636	-0.373	10.5907	0.17578	-1.05469	222.891	1.23047	0	84.625	1.7	-13.4836	-2.84137	-3.64084	11.4022
										10.5907	0.17578	-1.05469		1.23047						-3.7398	12.8083
											0.35156										
											0.17578										
92303				196	56	-3.82096	-4.88658	2.3099	-0.2984	10.5907	0.17578	-1.05469	222.188	1.23047	15.875	87.25	1.7	-9.21957	-4.35142	-3.69037	13.1564
										10.5907	0.17578	-1.05469		1.05469						-3.69037	13.1564
											0.35156										
											0.35156										
92304	2	42	10	196	61	-3.52258	-4.5067	2.3099	-0.1492	10.5907	0.17578	-1.40625	222.188	1.05469	0	89.5	1.7	-11.5695	-0.69845	-3.69037	13.5032
										10.5907	0.17578	-1.05469		1.23047						-3.69037	13.8484
											0										
											0.17578										
92305				196	65	-3.7016	-4.44337	2.08683	-0.0746	10.5907	0.35156	-1.40625	222.188	1.05469	15.875	89.875	1.7	-7.90374	-4.46056	-3.78912	13.5032
										10.5907	0.35156	-1.40625		1.05469						-3.83835	13.1564
											0.17578										
											0.35156										
92306				196	70	-3.64193	-4.3167	2.1612	-0.2238	10.5907	0.35156	-1.40625	222.891	1.23047	0	90	1.7	-12.9738	-6.0167	-3.88747	12.1079
										10.5907	0.35156	-1.40625		1.23047						-3.88747	12.4588
											0.35156										
											0.35156										
92307				200	75.5	-3.88063	-4.57003	2.45853	-0.1492	10.5907	0.35156	-1.40625	222.891	1.05469	15.875	90.5	1.7	-13.3384	-3.51894	-3.83835	13.1564
										10.5907	0.35156	-1.40625		1.05469						-3.78912	13.1564
											0.35156										
											0.17578										
92308	2	42	14	200	78.5	-3.7016	-4.44337	2.3099	-0.0746	10.5907	0.17578	-1.05469	222.188	0.878905	0	90.625	1.7	-1.85764	-2.48924	-3.78912	13.5032
										10.5907	0.17578	-1.40625		0.878905						-3.78912	13.5032
											0.35156										
											0.35156										
92309				200	83.5	-3.58224	-4.38003	2.23556	-0.0746	10.5907	0.35156	-1.05469	222.188	0.878905	15.875	90.5	1.7	-4.5879	-3.30745	-3.78912	13.5032
										10.5907	0.35156	-1.40625		0.878905						-3.88747	13.8484
											0.17578										
											0.17578										
92310				200	89	-3.64193	-4.3167	1.86362	3.7923	10.5907	0.35156	-1.05469	222.539	0.703124	0	90.375	1.7	-12.1643	-4.80545	-3.93649	21.9487
										10.5907	0.35156	-1.40625		1.05469						-3.88747	30.1527
											0.35156										
											0.35156										
92311				200	93	-3.46291	-4.38003	-2.38422	4.52948	10.5907	0.17578	-1.05469	222.188	0.878905	15.875	90.375	1.7	-3.9482	-1.11405	-3.88747	29.9064
										10.5907	0.17578	-1.05469		0.703124						-3.83835	29.9064
											0.35156										
											0.35156										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92312	2	42	18	200	97.5	-3.52258	-4.44337	-2.38422	4.67653	10.5907	0.35156	-1.05469	221.836	0.527343	0	90.375	1.7	-3.3066	-2.22803	-3.83835	30.1527
										10.5907	0.35156	-1.05469		0.878905						-3.83835	30.8807
											0.17578										
											0.17578										
92313				204	101	-3.7016	-4.3167	-2.53282	4.89685	10.5907	0.35156	-1.05469	221.836	0.527343	15.875	90.5	1.7	-7.35702	-3.51894	-3.88747	31.1198
										10.5907	0.35156	-1.40625		0.878905						-3.98541	31.357
											0.35156										
											0.35156										
92314				204	106.5	-3.46291	-4.12669	-2.60708	4.97021	10.5907	0.35156	-1.05469	221.836	0.703124	0	90.5	1.7	-1.5349	-3.18483	-3.98541	31.357
										10.5907	0.35156	-1.40625		0.703124						-3.98541	32.0582
											0.35156										
											0.35156										
92315				204	109.5	-3.28394	-4.44337	-4.30865	7.23613	10.5907	0.35156	-1.40625	221.484	0.351562	15.875	90.375	1.7	-1.93828	-2.42432	-3.83835	37.5022
										10.5907	0.35156	-1.40625		0.878905						-3.93649	37.5022
											0.35156										
											0.35156										
92316	2	42	22	204	115.5	-3.40326	-4.38003	-5.18517	7.37611	10.5907	0.35156	-1.05469	221.836	0.703124	0	90.375	1.7	-5.30492	-2.42432	-3.93649	37.6904
										10.5907	0.35156	-1.05469		0.878905						-3.88747	37.6904
											0.35156										
											0.35156										
92317				204	119.5	-3.40326	-4.44337	-5.11381	7.37611	10.5907	0.35156	-1.05469	221.836	0.703124	15.875	90.25	1.7	-2.34132	-1.79549	-3.83835	37.5022
										10.5907	0.35156	-1.40625		1.05469						-3.88747	37.3125
											0.35156										
											0.35156										
92318				204	123.5	-3.58224	-4.19001	-5.11381	6.88525	10.5907	0.35156	-1.05469	222.188	0.351562	0	90.375	1.7	-6.3349	-3.09203	-4.03422	36.9287
										10.5907	0.35156	-1.05469		0.878905						-4.08292	35.9425
											0.52734										
											0.52734										
92319				208	127.5	-3.22428	-4.12669	-4.30865	6.74458	10.5907	0.52734	-1.05469	222.539	0.703124	15.875	90.5	1.6	-5.54325	-1.86262	-4.08292	35.3321
										10.5907	0.52734	-1.05469		0.878905						-3.83835	35.7406
											0.52734										
											0.52734										
92320	2	42	26	208	131.5	-3.28394	-4.44337	-4.23499	6.74458	10.5907	0.52734	-1.40625	222.188	0.703124	0	90.5	1.7	-3.14593	-1.79549	-3.78912	35.5372
										10.5907	0.52734	-1.40625		0.527343						-3.88747	35.5372
											0.52734										
											0.35156										
92321				208	135.5	-3.40326	-3.16464	-4.23499	6.60368	10.5907	0.52734	-1.05469	222.539	0.878905	15.875	90.375	1.6	-4.90694	-1.86262	-4.46862	35.1254
										10.5907	0.52734	-1.05469		0.878905						-5.30933	34.7073
											0.52734										
											0.52734										
92322				208	139	-0.37641	-0.31757	-3.7923	6.17992	10.5907	0.52734	-1.05469	222.891	1.05469	0	90.25	1.6	-4.98661	-3.12304	-6.45169	33.6331
										10.5907	0.70312	-1.40625		0.878905						-6.66115	33.4133
											0.87891										
											0.87891										
92323				204	142.5	1.27182	0.589495	-3.12636	6.10914	10.5907	1.23047	-1.05469	222.891	1.40625	15.875	90.375	1.6	-4.26831	-3.12304	-6.90805	33.1917
										10.5907	1.40625	-1.40625		1.75781						-7.34809	33.8513
											1.58203										
											1.58203										
92324	2	42	30	204	146	2.69003	2.08482	-3.42259	7.09592	10.5907	1.75781	-1.05469	222.188	2.28515	0	90.375	1.6	-3.62762	-2.74618	-7.65785	35.7406
										10.5907	1.93359	-1.40625		2.46093						-7.6196	36.3416
											1.93359										
											2.10937										
92325				196	150	3.15783	0.384021	-4.16128	7.65547	10.5907	2.63671	-1.40625	221.133	2.98828	15.875	90.375	1.7	-4.18833	-0.97593	-6.94873	36.9287
										10.5907	2.8125	-1.05469		4.04296						-6.94873	39.4382
											3.33984										
											3.86718										
92326				192	152	2.15227	0.657908	-5.61247	7.44602	10.5907	4.21874	-1.40625	220.781	5.62499	0	90.25	1.8	-4.26831	-1.49096	-6.98928	36.5388
										10.5907	5.09765	-1.05469		6.85546						-6.78521	34.4958
											5.27343										
											6.32812										
92327				192	155.5	1.40778	1.13568	-3.57054	8.4883	10.5907	6.67968	-1.05469	221.133	8.43749	15.875	90.375	1.8	-3.06559	-1.38863	-7.06996	38.0682
										10.5907	7.03124	-1.40625		9.84374						-7.18997	37.8786

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											7.73436										
											7.91014										
92328	2	42	34	196	159	2.3543	1.81456	-3.86615	5.47019	10.5907	8.26171	-1.05469	221.133	10.7226	0	90.375	1.8	-2.42185	-1.35444	-7.5427	30.3972
										10.5907	8.61327	-0.70312		10.8984						-7.65785	32.0582
											8.78905										
											8.96483										
92329				208	162	3.42392	3.15781	-2.60708	7.58571	10.5907	8.96483	-0.70312	220.781	10.7226	15.875	90.375	1.8	-1.93828	-1.25164	-7.84708	35.3321
										10.5907	8.96483	-1.05469		10.1953						-8.17929	35.5372
											8.96483										
											8.96483										
92330				220	165.5	4.54443	2.62298	-2.97811	7.5159	10.5907	9.14061	-1.05469	220.781	10.3711	0	90.375	1.8	-2.42185	-1.2173	-7.84708	35.1254
										10.5907	9.49217	-1.40625		10.7226						-7.6196	34.7073
											9.84374										
											10.5469										
92331				240	167.5	3.22443	0.726283	-2.68131	7.5159	10.5907	10.8984	-1.05469	220.781	11.6015	15.875	90.375	1.8	-1.29272	-0.55916	-7.34809	35.5372
										10.5907	11.0742	-1.05469		11.9531						-6.90805	31.357
											11.9531										
											12.3047										
92332	2	42	38	268	169.5	1.47568	-0.67097	-0.2984	4.97021	10.5907	12.832	-0.70312	221.133	12.3047	0	90.375	1.8	-1.5349	-0.55916	-6.28172	26.8063
										10.5907	13.0078	-0.35156		12.3047						-6.32441	28.39
											13.3594										
											13.7109										
92333				300	171.5	0.246849	-0.90708	0	3.20046	10.5907	13.8867	0	221.836	11.9531	15.875	90.5	1.8	-1.05045	-0.55916	-6.19593	25.1545
										10.5907	14.0625	0		11.4258						-6.06626	18.8386
											14.414										
											14.5898										
92334				328	172	-0.55307	-4.06334	2.60708	2.75555	10.5907	14.7656	0.703124	222.188	11.4258	0	90.5	1.8	-0.56571	-0.55916	-5.49076	18.195
										10.5907	15.1172	1.05469		11.25						-3.59122	16.887
											15.2929										
											15.6445										
92335				364	173	-4.44337	-5.07644	3.34857	0.969645	10.5907	15.6445	1.75781	222.539	10.8984	15.875	90.5	1.8	-0.48489	-0.55916	-2.88671	11.7557
										10.5907	15.6445	2.10937		9.66795						-3.54149	8.894
											15.2929										
											15.1172										
92336	2	42	42	400	174	-3.82096	-4.5067	4.82345	0	10.5907	14.5898	1.75781	222.891	8.26171	0	90.625	1.8	-0.64651	-0.55916	-3.7398	8.5313
										10.5907	14.414	1.05469		7.3828						-3.93649	8.894
											14.2383										
											13.8867										
92337				440	174.5	-3.64193	-4.69666	4.89685	0.074605	10.5907	13.8867	0.703124	223.594	7.55858	15.875	90.75	1.8	-0.64651	-0.55916	-3.54149	8.16762
										10.5907	13.8867	0		7.91014						-3.03913	8.5313
											13.8867										
											13.8867										
92338				480	176	-4.63335	-5.96125	4.97022	-0.0746	10.5907	13.8867	-0.35156	223.945	8.08593	0	90.625	1.8	-0.08082	-0.55916	-2.68234	8.16762
										10.5907	13.8867	-0.70312		7.73436						-2.9376	7.80299
											13.8867										
											13.7109										
92339				512	176.5	-4.75998	-5.77184	5.04242	-0.1492	10.5907	13.7109	-0.70312	223.945	7.20702	15.875	90.75	1.8	0.08082	-0.55916	-2.73355	7.80299
										10.5907	13.3594	-0.35156		6.85546						-3.08977	7.43745
											13.1836										
											13.0078										
92340	2	42	46	548	177	-4.06334	-5.01316	5.1138	-0.2238	10.5907	12.832	-0.35156	223.945	6.5039	0	90.75	1.8	0	-0.55916	-3.29145	7.43745
										10.5907	12.6562	-0.35156		6.5039						-3.49167	7.43745
											12.6562										
											12.6562										
92341				584	178	-4	-4.69666	5.1138	-0.1492	10.5907	12.6562	-0.35156	223.945	6.67968	15.875	90.75	1.8	0	-0.5243	-3.54149	7.43745
										10.5907	12.6562	-0.35156		6.85546						-3.59122	9.61627
											12.6562										
											12.832										
92342				616	178.5	-3.82096	-4.69666	3.7184	2.68131	10.5907	12.832	-0.70312	223.945	7.20702	0	90.75	1.8	-0.08082	-0.5243	-3.59122	18.5176
										10.5907	13.0078	-0.70312		7.55858						-3.19079	22.8457
											13.0078										
											13.1836										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92343				652	179	-4.25337	-5.13971	1.64028	2.68131	10.5907	13.1836	-0.70312	223.594	7.91014	15.875	90.75	1.8	-0.40409	-0.48942	-3.14032	18.8386
										10.5907	13.1836	-0.35156		7.73436						-3.19079	19.1577
											13.1836										
											13.1836										
92344	2	42	50	688	178.5	-4.19003	-4.69666	2.45853	2.60708	10.5907	13.1836	-0.35156	223.594	7.20702	0	90.875	1.8	-0.48489	-0.48942	-3.59122	18.5176
										10.5907	13.0078	0		7.20702						-3.49167	16.2229
											13.0078										
											13.0078										
92345				720	179.5	-3.82096	-4.75997	3.64449	0.820516	10.5907	13.0078	0	223.242	7.20702	15.875	90.875	1.8	-0.64651	-0.48942	-3.44176	10.6914
										10.5907	13.0078	0		7.3828						-3.49167	18.5176
											13.0078										
											13.0078										
92346				756	179.5	-3.82096	-4.69666	2.53281	2.68131	10.5907	13.0078	-0.35156	223.242	7.3828	0	90.875	1.8	-0.88889	-0.48942	-3.49167	19.1577
										10.5907	13.0078	-0.70312		7.20702						-3.39175	20.7266
											13.1836										
											13.1836										
92347				792	180	-3.94032	-4.75997	2.08683	2.75555	10.5907	13.1836	-0.70312	223.242	7.20702	15.875	90.875	1.8	-0.48489	-0.48942	-3.49167	20.4165
										10.5907	13.1836	-0.70312		7.3828						-3.49167	18.5176
											13.1836										
											13.1836										
92348	2	42	54	832	180	-4	-4.88658	2.53281	1.86361	10.5907	13.1836	-0.35156	222.891	7.3828	0	90.875	1.8	-0.56571	-0.48942	-3.34164	17.2165
										10.5907	13.1836	-0.35156		7.20702						-3.03913	10.6914
											13.3594										
											13.3594										
92349				868	181	-4.44337	-5.32945	4.75001	-0.0746	10.5907	13.3594	0	222.891	7.20702	15.875	90.875	1.8	-0.32326	-0.5243	-3.08977	7.80299
										10.5907	13.1836	0		7.20702						-3.14032	7.80299
											13.1836										
											13.1836										
92350				904	180.5	-4.25337	-4.82328	5.1138	0.522196	10.5907	13.0078	-0.35156	222.539	6.85546	0	91	1.8	-0.88889	-0.48942	-3.29145	8.5313
										10.5907	13.0078	-0.70312		6.5039						-3.69037	12.8083
											12.832										
											12.832										
92351				940	181.5	-3.7016	-4.57003	3.93997	0.447591	10.5907	12.832	-1.40625	222.539	6.85546	15.875	90.875	1.8	-0.56571	-0.5243	-3.83835	11.7557
										10.5907	12.832	-1.40625		7.03124						-3.59122	10.3342
											13.0078										
											13.1836										
92352	2	42	58	976	181	-3.76128	-4.57003	4.52949	1.11873	10.5907	13.1836	-1.40625	222.539	7.20702	0	91	1.8	-0.24244	-0.48942	-3.59122	11.0474
										10.5907	13.3594	-1.75781		7.20702						-3.64084	12.8083
											13.3594										
											13.5351										
92353				1016	181.5	-3.76128	-4.63334	4.08754	0	10.5907	13.5351	-2.10937	222.188	7.73436	15.875	91	1.8	-0.48489	-0.5243	-3.59122	8.5313
										10.5907	13.7109	-2.10937		7.55858						-3.69037	8.16762
											13.7109										
											13.7109										
92354				1052	181.5	-3.76128	-4.69666	4.67654	1.71474	10.5907	13.7109	-2.46093	221.836	7.03124	0	91	1.8	-0.32326	-0.48942	-3.69037	12.4588
										10.5907	13.7109	-3.16406		7.20702						-3.69037	15.2146
											13.7109										
											13.7109										
92355				1096	183	-3.7016	-4.63334	3.34857	1.86361	10.5907	13.8867	-3.86718	221.484	7.3828	15.875	91	1.8	-0.64651	-0.48942	-3.59122	14.8754
										10.5907	13.8867	-3.86718		7.20702						-3.59122	13.8484
											13.8867										
											13.8867										
92356	2	43	2	1136	183	-3.88063	-4.69666	3.86615	1.04419	10.5907	13.8867	-3.86718	221.133	7.03124	0	91	1.7	-0.32326	-0.48942	-3.54149	11.7557
										10.5907	13.8867	-3.86718		7.03124						-3.49167	11.7557
											14.0625										
											14.0625										
92357				1180	184	-3.82096	-4.82328	4.23498	0.14921	10.5907	14.0625	-3.86718	220.43	7.03124	15.875	91	1.7	-0.56571	-0.5243	-3.39175	9.61627
										10.5907	14.0625	-3.86718		7.03124						-3.49167	8.16762
											14.0625										
											14.2383										
92358				1220	184	-3.82096	-4.69666	5.25647	0.969645	10.5907	14.2383	-4.21874	220.078	7.03124	0	91	1.7	-0.56571	-0.48942	-3.54149	9.25566
										10.5907	14.2383	-5.27343		7.03124						-3.54149	13.1564

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											14.2383										
											14.2383										
92359				1268	184	-3.88063	-4.63334	3.86615	1.04419	10.5907	14.0625	-6.32812	219.375	6.67968	15.875	90	1.7	-0.72731	-0.48942	-3.59122	12.8083
										10.5907	14.0625	-6.67968		6.85546						-3.49167	7.07103
											14.0625										
											14.0625										
92360	2	43	6	1312	184	-3.94032	-4.69666	6.25067	-3.27453	10.5907	14.0625	-6.67968	219.023	6.67968	0	89.125	1.7	-0.24244	-0.5243	-3.49167	6.33574
										10.5907	14.0625	-6.67968		6.85546						-3.44176	6.33574
											14.0625										
											14.0625										
92361				1352	183	-3.88063	-4.57003	8.48829	-2.01244	10.5907	14.0625	-7.3828	218.32	6.67968	15.875	89.125	1.8	-0.08082	-0.5243	-3.59122	11.0474
										10.5907	13.8867	-8.43749		6.5039						-3.78912	16.887
											13.8867										
											13.8867										
92362				1396	184	-3.52258	-3.94032	5.1138	0.671366	10.5907	13.8867	-10.8984	216.914	6.32812	0	89.125	1.7	-0.56571	-0.5243	-4.18001	22.8457
										10.5907	13.7109	-12.3047		6.5039						-4.08292	21.646
											13.7109										
											13.8867										
92363				1440	184	-3.22428	-3.94032	4.82345	0.373006	10.5907	13.8867	-12.6562	215.859	7.20702	15.875	89.125	1.8	-0.40409	-0.5243	-4.13152	21.646
										10.5907	13.8867	-13.3594		7.20702						-4.13152	22.5486
											14.0625										
											14.0625										
92364	2	43	10	1484	183.5	-3.16465	-3.76127	3.86615	1.71474	10.5907	14.0625	-13.7109	213.75	7.03124	0	89.125	1.8	-0.48489	-0.48942	-4.32482	25.7127
										10.5907	14.0625	-14.7656		7.55858						-4.32482	26.8063
											14.2383										
											14.2383										
92365				1528	183	-2.86654	-3.58224	2.75555	2.60708	10.5907	14.414	-15.4687	212.344	7.55858	15.875	89.25	2.1	-0.56571	-0.45452	-4.51633	28.6474
										10.5907	14.414	-16.1719		7.55858						-4.27666	28.39
											14.5898										
											14.7656										
92366				1576	183.5	-3.28394	-5.07644	2.97811	1.71474	10.5907	14.9414	-16.1719	210.234	8.43749	0	89.125	2.2	-0.64651	-0.48942	-3.64084	25.989
										10.5907	15.2929	-16.1719		8.96483						-2.57969	25.4345
											15.4687										
											15.4687										
92367				1624	183	-5.32946	-5.77184	3.7184	1.04419	10.5907	15.4687	-16.1719	208.477	8.26171	15.875	89.25	2.2	-0.80809	-0.45452	-2.78468	23.7257
										10.5907	15.4687	-16.1719		7.91014						-2.73355	21.9487
											15.2929										
											14.9414										
92368	2	43	14	1668	182.5	-5.07643	-5.89811	4.60303	0.14921	10.5907	14.7656	-16.1719	207.07	7.3828	0	89.125	2.2	-0.48489	-0.45452	-2.68234	21.0349
										10.5907	14.414	-16.1719		7.03124						-2.78468	21.0349
											14.2383										
											14.0625										
92369				1708	183	-5.07643	-5.89811	4.82345	0.298401	10.5907	13.8867	-16.875	205.312	6.85546	15.875	89.125	2.2	-0.64651	-0.45452	-2.73355	21.3414
										10.5907	13.7109	-17.9297		6.67968						-2.78468	22.5486
											13.5351										
											13.3594										
92370				1748	183.5	-5.07643	-5.89811	4.16128	0.895081	10.5907	13.3594	-18.2812	203.906	6.67968	0	89.125	2.2	-0.56571	-0.45452	-2.78468	23.4343
										10.5907	13.0078	-19.3359		6.67968						-2.78468	23.1409
											13.0078										
											12.832										
92371				1784	184.5	-5.07643	-5.83499	4.23498	0.745931	10.5907	12.6562	-19.6875	202.148	6.67968	15.875	89	2.2	-0.48489	-0.45452	-2.73355	22.8457
										10.5907	12.4805	-20.039		6.67968						-2.73355	23.1409
											12.3047										
											12.1289										
92372	2	43	18	1816	185.5	-5.26621	-5.77184	4.23498	0.820516	10.5907	11.9531	-20.039	200.742	6.5039	0	89	2.2	-0.40409	-0.45452	-2.68234	23.1409
										10.5907	11.7773	-20.3906		6.5039						-3.24116	23.7257
											11.4258										
											11.4258										
92373				1844	186.5	-4.3167	-4.82328	4.01377	1.5658	10.5907	11.0742	-20.7422	198.984	6.32812	15.875	89	2.2	-0.40409	-0.45452	-3.44176	24.8725
										10.5907	10.8984	-20.7422		6.5039						-3.54149	25.7127
											10.7226										
											10.7226										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92374				1868	187.5	-3.94032	-4.82328	3.49658	1.71474	10.5907	10.5469	-21.0937	196.875	6.85546	0	89	2.2	-0.56571	-0.45452	-3.54149	25.7127
										10.5907	10.5469	-21.4453		7.20702						-3.59122	27.075
											10.3711										
											10.3711										
92375				1892	188.5	-3.88063	-4.57003	2.68133	2.68131	10.5907	10.3711	-21.7968	194.766	7.3828	15.875	89	2.2	-0.64651	-0.45452	-3.78912	28.9029
										10.5907	10.1953	-21.7968		7.3828						-4.03422	30.1527
											10.1953										
											10.0195										
92376	2	43	22	1912	190	-3.34359	-4.19001	2.1612	3.05225	10.5907	9.84374	-21.7968	193.008	7.3828	0	89	2.2	-0.56571	-0.48942	-4.08292	30.6399
										10.5907	9.84374	-21.4453		7.3828						-4.18001	32.5168
											9.66795										
											9.66795										
92377				1932	191.5	-3.10501	-4.25336	1.2678	3.7923	10.5907	9.49217	-21.4453	190.898	7.3828	15.875	89	2.2	-0.56571	-0.45452	-3.98541	32.5168
										10.5907	9.49217	-21.0937		7.3828						-4.08292	32.5168
											9.49217										
											9.49217										
92378				1948	193	-3.40326	-4	1.71474	2.90393	10.5907	9.31639	-20.7422	189.141	7.55858	0	89	2.2	-0.72731	-0.48942	-4.22839	30.1527
										10.5907	9.31639	-20.3906		7.3828						-4.03422	29.6583
											9.31639										
											9.14061										
92379				1964	194.5	-3.40326	-4.25336	2.45853	2.82977	10.5907	9.14061	-20.3906	187.031	7.3828	15.875	89	2.4	-0.72731	-0.48942	-4.03422	29.6583
										10.5907	9.14061	-20.3906		7.3828						-4.08292	29.4084
											8.96483										
											8.96483										
92380	2	43	26	1980	196.5	-3.16465	-3.70159	2.53281	2.90393	10.5907	8.96483	-20.3906	185.273	7.55858	0	89	2.6	-0.72731	-0.48942	-4.46862	29.4084
										10.5907	9.14061	-20.3906		7.91014						-4.32482	29.6583
											9.14061										
											9.49217										
92381				2000	198.5	-3.22428	-4.44337	2.53281	2.90393	10.5907	9.66795	-20.7422	183.164	8.43749	15.875	89	2.7	-0.80809	-0.48942	-3.98541	29.6583
										10.5907	9.84374	-21.0937		8.96483						-3.83835	29.1565
											10.0195										
											10.1953										
92382				2020	200.5	-3.76128	-4.5067	2.75555	2.53282	10.5907	10.1953	-21.0937	181.406	8.78905	0	89.125	2.7	-0.56571	-0.48942	-3.83835	27.8696
										10.5907	10.1953	-21.0937		8.61327						-3.83835	27.8696
											10.1953										
											10.1953										
92383				2040	202	-3.76128	-4.38003	2.82976	2.60708	10.5907	10.1953	-20.7422	179.297	8.43749	15.875	89.125	2.7	-0.56571	-0.48942	-3.83835	27.8696
										10.5907	10.1953	-20.7422		8.43749						-4.22839	28.6474
											10.1953										
											10.1953										
92384	2	43	30	2064	203.5	-3.22428	-4.57003	2.60708	2.60708	10.5907	10.1953	-21.0937	177.539	8.43749	0	89.125	2.7	-0.64651	-0.45452	-3.83835	28.6474
										10.5907	10.3711	-21.0937		8.61327						-3.83835	28.6474
											10.3711										
											10.7226										
92385				2084	205	-3.82096	-4.57003	2.60708	2.68131	10.5907	10.7226	-21.4453	175.43	8.96483	15.875	89.125	2.7	-0.56571	-0.45452	-3.78912	28.9029
										10.5907	10.7226	-21.4453		8.96483						-3.64084	28.9029
											10.8984										
											11.0742										
92386				2112	206	-3.94032	-4.75997	2.53281	2.68131	10.5907	11.0742	-21.4453	173.672	8.96483	0	89.125	2.7	-0.64651	-0.45452	-3.59122	28.9029
										10.5907	11.0742	-21.4453		8.78905						-3.49167	28.9029
											11.25										
											11.25										
92387				2136	207.5	-4.12669	-5.58231	2.53281	2.68131	10.5907	11.25	-21.0937	171.562	8.61327	15.875	89	2.7	-0.56571	-0.45452	-3.24116	28.6474
										10.5907	11.4258	-21.0937		8.61327						-2.73355	28.39
											11.4258										
											11.4258										
92388	2	43	34	2168	208.5	-5.32946	-6.84313	2.75555	2.38422	10.5907	11.6015	-20.7422	169.805	8.61327	0	89.125	2.7	-0.56571	-0.45452	-2.42516	27.8696
										10.5907	11.4258	-20.7422		8.26171						-2.27	27.8696
											11.4258										
											11.0742										
92389				2196	209	-5.96124	-5.83499	2.68133	2.30992	10.5907	10.8984	-20.7422	168.047	7.55858	15.875	89.125	2.7	-0.64651	-0.45452	-2.63105	27.8696
										10.5907	10.8984	-20.7422		7.03124						-3.19079	28.9029

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											10.5469										
											10.3711										
92390				2224	210.5	-4.5067	-5.39269	2.38422	2.60708	10.5907	10.1953	-20.7422	166.992	6.67968	0	89.125	2.7	-0.64651	-0.45452	-3.14032	29.1565
										10.5907	10.1953	-20.7422		7.03124						-3.08977	29.1565
											10.3711										
											10.5469										
92391				2252	212	-4.69666	-5.45591	2.45853	2.68131	10.5907	10.7226	-20.7422	164.883	7.55858	15.875	89.125	2.7	-0.48489	-0.45452	-3.08977	29.1565
										10.5907	10.7226	-20.3906		7.91014						-2.98841	29.1565
											11.0742										
											11.0742										
92392	2	43	38	2284	213.5	-4.94987	-5.51912	2.45853	2.75555	10.5907	11.25	-20.3906	163.125	7.91014	0	89.125	2.7	-0.48489	-0.45452	-3.03913	29.6583
										10.5907	11.25	-20.039		7.73436						-3.08977	29.9064
											11.25										
											11.25										
92393				2320	214.5	-4.69666	-5.45591	2.38422	2.82977	10.5907	11.25	-20.039	161.367	7.55858	15.875	89.125	2.7	-0.40409	-0.41961	-3.08977	29.9064
										10.5907	11.4258	-19.6875		7.20702						-3.08977	29.9064
											11.4258										
											11.4258										
92394				2352	215.5	-4.69666	-5.51912	2.38422	3.64449	10.5907	11.4258	-19.3359	159.609	7.3828	0	89.125	2.7	-0.48489	-0.41961	-3.08977	31.1198
										10.5907	11.6015	-18.6328		7.55858						-3.08977	32.9685
											11.6015										
											11.7773										
92395				2392	215.5	-4.69666	-5.45591	1.34232	3.7923	10.5907	11.7773	-18.6328	157.5	7.3828	15.875	89.25	2.7	-0.56571	-0.41961	-3.14032	32.9685
										10.5907	11.9531	-17.9297		7.3828						-3.14032	33.1917
											11.9531										
											12.1289										
92396	2	43	42	2432	216	-4.63335	-5.51912	0.745944	6.25067	10.5907	12.3047	-17.5781	155.742	7.73436	0	89.125	2.7	-0.72731	-0.41961	-3.08977	39.4382
										10.5907	12.3047	-17.5781		7.55858						-3.14032	37.1213
											12.4805										
											12.4805										
92397				2472	216.5	-4.5067	-5.13971	0	4.97021	10.5907	12.6562	-17.2265	154.336	7.3828	15.875	89.125	2.7	-0.88889	-0.41961	-3.29145	35.9425
										10.5907	12.832	-16.1719		7.20702						-3.39175	34.4958
											12.832										
											12.832										
92398				2520	216.5	-4.25337	-5.51912	1.86362	2.82977	10.5907	13.1836	-15.1172	152.93	7.3828	0	89.125	2.7	-0.56571	-0.41961	-3.14032	29.1565
										10.5907	13.3594	-14.414		7.91014						-2.98841	30.3972
											13.5351										
											13.7109										
92399				2572	217	-4.75998	-5.83499	1.93804	3.20046	10.5907	13.8867	-14.414	151.523	8.08593	15.875	89.125	2.7	-0.88889	-0.45452	-2.88671	31.1198
										10.5907	14.0625	-14.414		7.73436						-2.63105	29.4084
											14.0625										
											14.0625										
92400	2	43	46	2624	216.5	-5.51912	-6.59153	2.45853	2.75555	10.5907	14.2383	-14.414	150.469	7.55858	0	89	2.7	-0.64651	-0.45452	-2.52825	29.4084
										10.5907	14.2383	-14.414		7.03124						-2.42516	29.4084
											14.2383										
											14.0625										
92401				2676	216.5	-5.70868	-6.27659	2.3099	2.68131	10.5907	14.0625	-14.414	149.766	6.5039	15.875	89	2.7	-0.48489	-0.45452	-2.52825	29.4084
										10.5907	13.8867	-14.0625		6.5039						-2.37351	29.4084
											13.8867										
											13.8867										
92402				2728	216	-6.02434	-6.65446	2.3099	2.68131	10.5907	13.8867	-13.7109	148.711	6.15233	0	89.125	2.7	-0.32326	-0.45452	-2.32178	29.4084
										10.5907	13.8867	-13.3594		6.32812						-2.37351	29.6583
											13.8867										
											13.8867										
92403				2784	216.5	-5.70868	-6.4656	2.38422	2.90393	10.5907	13.8867	-13.0078	147.656	6.32812	15.875	89.125	2.6	-0.48489	-0.45452	-2.63105	29.6583
										10.5907	13.8867	-13.0078		6.32812						-2.32178	33.4133
											13.8867										
											13.8867										
92404	2	43	50	2840	217	-5.70868	-6.21355	0.596783	5.47019	10.5907	14.0625	-13.0078	146.602	6.5039	0	89.125	2.6	-0.56571	-0.41961	-2.57969	36.5388
										10.5907	14.0625	-13.0078		6.67968						-2.27	38.6462
											14.0625										
											14.0625										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92405				2892	217	-5.83498	-6.52858	-1.41683	6.17992	10.5907	14.0625	-12.3047	145.547	6.67968	15.875	89.125	2.6	-0.56571	-0.45452	-2.47674	39.4382
										10.5907	14.0625	-11.6015		6.32812						-2.63105	36.5388
											14.0625										
											13.8867										
92406				2948	216.5	-5.20296	-6.1505	1.11874	3.7184	10.5907	13.8867	-10.1953	144.844	6.15233	0	89.125	2.6	-0.48489	-0.45452	-2.63105	32.5168
										10.5907	13.8867	-9.14061		6.32812						-2.63105	32.2883
											14.0625										
											14.0625										
92407				3004	216.5	-5.26621	-6.1505	1.78918	3.05225	10.5907	14.2383	-8.43749	144.141	6.32812	15.875	89.125	2.6	-0.56571	-0.41961	-2.73355	30.6399
										10.5907	14.414	-8.08593		6.85546						-2.88671	30.6399
											14.414										
											14.5898										
92408	2	43	54	3064	216	-4.69666	-5.32945	2.01244	3.12636	10.5907	14.7656	-8.08593	143.438	6.85546	0	89.125	2.6	-0.64651	-0.41961	-3.14032	30.6399
										10.5907	14.7656	-8.08593		6.85546						-3.14032	31.357
											14.9414										
											15.1172										
92409				3124	216	-4.63335	-5.20297	1.86362	3.20046	10.5907	15.2929	-7.73436	142.734	7.20702	15.875	89.125	2.5	-0.48489	-0.41961	-3.29145	30.8807
										10.5907	15.6445	-7.3828		7.3828						-3.19079	30.6399
											15.8203										
											15.9961										
92410				3188	214.5	-5.39269	-6.08744	2.1612	2.97811	10.5907	16.1719	-7.3828	142.383	7.55858	0	89.125	2.5	-0.48489	-0.41961	-2.63105	30.3972
										10.5907	16.1719	-7.03124		7.55858						-2.73355	30.1527
											16.3476										
											16.3476										
92411				3252	214	-5.20296	-5.01316	2.08683	2.90393	10.5907	16.1719	-7.03124	141.68	6.85546	15.875	89.125	2.5	-0.48489	-0.41961	-3.19079	30.1527
										10.5907	16.1719	-7.03124		6.5039						-3.54149	29.9064
											16.1719										
											16.1719										
92412	2	43	58	3320	213.5	-3.94032	-4.82328	2.3099	2.82977	10.5907	16.3476	-6.67968	141.328	6.67968	0	89.25	2.5	-0.56571	-0.41961	-3.64084	29.6583
										10.5907	16.3476	-6.67968		7.20702						-3.64084	29.6583
											16.875										
											17.2265										
92413				3392	212	-4	-4.82328	2.38422	2.82977	10.5907	17.5781	-6.67968	140.625	7.91014	15.875	89.125	2.5	-0.80809	-0.41961	-3.59122	29.6583
										10.5907	17.7539	-6.67968		8.26171						-3.59122	29.6583
											17.9297										
											18.2812										
92414				3468	209.5	-4	-4.63334	2.38422	3.57054	10.5907	18.457	-6.67968	140.273	7.91014	0	89.125	2.5	-0.08082	-0.38469	-3.7398	29.9064
										10.5907	18.6328	-6.67968		8.43749						-3.49167	36.3416
											18.8086										
											18.9843										
92415				3544	209.5	-4.94987	-6.21355	-0.82051	7.16603	10.5907	19.1601	-7.03124	139.922	8.78905	15.875	89.25	2.5	-0.72731	-0.20992	-3.19079	40.4635
										10.5907	19.3359	-6.67968		8.26171						-3.93649	37.6904
											19.3359										
											19.3359										
92416	2	44	2	3624	207	-3.46291	-4.57003	0.671366	4.3823	10.5907	19.3359	-5.62499	139.922	7.91014	0	89.25	2.5	-0.32326	-0.24489	-3.78912	34.0678
										10.5907	19.1601	-3.86718		8.08593						-3.98541	33.8513
											19.3359										
											19.5117										
92417				3712	206	-3.64193	-4.69666	0.820516	3.57054	10.5907	19.6875	-2.8125	139.57	7.91014	15.875	89.375	2.5	-0.32326	-0.27985	-3.78912	33.6331
										10.5907	20.039	-1.75781		8.26171						-2.98841	29.1565
											20.2148										
											20.5664										
92418				3796	204.5	-5.45591	-6.40264	2.38422	3.27454	10.5907	20.7422	-1.05469	139.57	8.96483	0	89.375	2.5	-0.24244	-0.27985	-2.63105	29.9064
										10.5907	20.9179	-0.35156		8.96483						-2.0622	32.7435
											20.9179										
											20.9179										
92419				3880	203	-6.1505	-5.89811	1.19327	3.64449	10.5907	20.5664	0	139.57	8.26171	15.875	89.375	2.5	-0.40409	-0.27985	-2.42516	32.7435
										10.5907	20.3906	0.351562		6.67968						-2.63105	34.4958
											20.039										
											19.6875										
92420	2	44	6	3964	201	-5.26621	-5.39269	-0.44759	6.39202	10.5907	19.5117	0.351562	139.57	6.5039	0	89.375	2.5	-0.56571	-0.24489	-3.24116	37.6904
										10.5907	19.5117	0.351562		7.20702						-3.24116	41.7476

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											19.5117										
											19.6875										
92421				4056	199	-4.38004	-5.07644	-2.68131	7.02575	10.5907	19.8633	0.351562	139.57	7.03124	15.875	89.25	2.5	-1.29272	-0.24489	-3.34164	41.7476
										10.5907	20.039	0.703124		7.03124						-3.54149	41.7476
											20.2148										
											20.3906										
92422				4136	196.5	-4	-4.82328	-2.68131	7.23613	10.5907	20.5664	1.40625	140.273	7.91014	0	89.25	2.5	-0.24244	-0.24489	-3.64084	41.9675
										10.5907	21.0937	2.8125		8.78905						-3.59122	39.4382
											21.2695										
											21.6211										
92423				4220	194.5	-4.44337	-7.37929	0.149207	4.23499	10.5907	21.7968	3.86718	140.625	9.49217	15.875	89.375	2.5	-0.96967	-0.31481	-2.11424	34.7073
										10.5907	21.9726	5.27343		9.66795						-1.74871	33.8513
											22.1484										
											22.1484										
92424	2	44	10	4308	195	-6.40263	-7.02937	-0.67136	5.54135	10.5907	21.9726	5.62499	141.328	9.14061	0	89.5	2.5	-1.21196	-0.34976	-2.32178	39.2379
										10.5907	21.4453	5.27343		8.43749						-1.59124	34.4958
											21.0937										
											20.9179										
92425				4388	192	-6.65446	-7.6121	0.447603	3.05225	10.5907	20.2148	6.32812	142.383	7.55858	15.875	89.25	2.5	-1.13121	-0.34976	-1.69627	33.1917
										10.5907	19.8633	7.03124		6.85546						-2.01009	31.1198
											19.5117										
											19.1601										
92426				4460	190	-5.83498	-6.65446	1.49132	3.05225	10.5907	18.9843	6.67968	143.438	6.32812	0	89.375	2.5	-0.80809	-0.38469	-2.42516	31.1198
										10.5907	18.457	6.32812		6.85546						-2.78468	32.0582
											18.2812										
											18.2812										
92427				4532	190	-5.07643	-7.43754	0.969642	3.34857	10.5907	18.1054	5.62499	144.844	7.3828	15.875	89.375	2.5	-0.80809	-0.41961	-2.21814	32.5168
										10.5907	18.1054	5.62499		7.55858						-1.69627	31.357
											18.1054										
											18.1054										
92428	2	44	14	4600	188.5	-6.33962	-6.33962	1.49132	2.97811	10.5907	18.1054	5.62499	146.25	7.73436	0	89.25	2.5	0.08082	-0.41961	-2.57969	31.357
										10.5907	17.7539	7.03124		7.73436						-2.42516	29.1565
											17.4023										
											17.4023										
92429				4660	188	-5.45591	-6.40264	2.08683	2.53282	10.5907	17.0508	8.08593	146.953	7.73436	15.875	89.375	2.5	0.404091	-0.41961	-2.63105	29.4084
										10.5907	17.0508	9.14061		7.73436						-2.0622	29.1565
											16.875										
											16.6992										
92430				4720	187.5	-6.33962	-6.84313	2.08683	2.45854	10.5907	16.6992	9.84374	148.008	7.73436	0	89.375	2.5	0.24246	-0.41961	-2.01009	28.9029
										10.5907	16.5234	10.8984		7.91014						-2.42516	27.8696
											16.3476										
											16.1719										
92431				4772	187	-5.07643	-5.20297	2.45853	2.08683	10.5907	15.8203	11.9531	148.711	7.73436	15.875	89.375	2.5	0	-0.41961	-3.59122	27.6066
										10.5907	15.6445	12.3047		7.73436						-3.29145	24.0153
											15.4687										
											15.4687										
92432	2	44	18	4824	186.5	-4.19003	-5.13971	4.16128	0.820516	10.5907	15.4687	12.6562	149.414	8.08593	0	89.375	2.5	-0.32326	-0.45452	-3.49167	22.8457
										10.5907	15.6445	12.6562		8.96483						-2.88671	24.0153
											15.6445										
											15.8203										
92433				4876	186	-5.01316	-5.32945	3.42259	2.53282	10.5907	15.9961	12.3047	150.82	9.14061	15.875	89.375	2.5	-0.48489	-0.38469	-3.03913	28.1307
										10.5907	15.9961	11.9531		9.49217						-3.34164	36.7345
											15.9961										
											15.9961										
92434				4920	185.5	-3.94032	-5.01316	-0.82051	4.3823	10.5907	15.8203	11.6015	151.875	9.31639	0	89.375	2.5	-0.40409	-0.38469	-3.44176	36.9287
										10.5907	15.8203	11.9531		9.31639						-2.57969	31.8262
											15.8203										
											15.8203										
92435				4968	185.5	-6.02434	-7.32104	2.1612	2.53282	10.5907	15.8203	13.0078	152.93	9.49217	15.875	89.25	2.5	-0.40409	-0.48942	-1.69627	29.1565
										10.5907	15.6445	13.7109		9.31639						-2.21814	29.1565
											15.4687										
											15.1172										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92436	2	44	22	5008	185	-5.96124	-6.59153	2.1612	2.45854	10.5907	14.9414	13.7109	153.633	8.61327	0	89.375	2.5	-0.72731	-0.5243	-2.37351	29.1565
										10.5907	14.414	13.7109		7.91014						-2.9376	29.4084
											14.0625										
											13.3594										
92437				5044	184.5	-4.57003	-4.75997	2.08683	4.89685	10.5907	13.1836	13.7109	154.688	7.55858	15.875	89.375	2.5	-0.64651	-0.48942	-3.54149	33.6331
										10.5907	13.0078	13.7109		7.55858						-3.69037	36.5388
											13.0078										
											13.0078										
92438				5076	185.5	-3.82096	-4.82328	-0.67136	6.32137	10.5907	13.0078	14.0625	155.742	8.61327	0	89.375	2.5	-0.56571	-0.48942	-3.64084	39.4382
										10.5907	13.1836	14.414		9.31639						-3.54149	35.1254
											13.3594										
											13.5351										
92439				5112	186	-3.82096	-4.69666	1.49132	2.60708	10.5907	13.7109	15.4687	157.5	10.0195	15.875	89.375	2.5	-0.64651	-0.48942	-3.54149	28.6474
										10.5907	13.7109	16.5234		10.1953						-3.69037	29.4084
											13.7109										
											13.7109										
92440	2	44	26	5144	186.5	-3.76128	-4.94987	2.3099	2.60708	10.5907	13.7109	16.875	158.906	10.3711	0	89.375	2.5	-0.64651	-0.45452	-3.39175	29.4084
										10.5907	13.7109	16.875		10.0195						-3.54149	29.1565
											13.7109										
											13.5351										
92441				5172	186	-3.88063	-5.01316	2.3099	1.34233	10.5907	13.3594	16.875	160.664	9.84374	15.875	89.375	2.5	-0.80809	-0.5243	-3.08977	28.1307
										10.5907	13.3594	16.875		9.84374						-3.69037	21.3414
											13.1836										
											13.0078										
92442				5204	186.5	-3.76128	-4.63334	3.49658	2.53282	10.5907	13.0078	16.5234	162.422	9.66795	0	89.375	2.5	-0.56571	-0.48942	-3.78912	28.9029
										10.5907	12.832	16.1719		9.31639						-3.88747	27.3417
											12.832										
											12.6562										
92443				5232	187	-3.16465	-4	3.93997	0.969645	10.5907	12.6562	16.1719	164.18	9.66795	15.875	89.375	2.5	-0.48489	-0.5243	-4.13152	23.4343
										10.5907	12.6562	16.1719		10.0195						-4.08292	23.1409
											12.6562										
											12.832										
92444	2	44	30	5260	187.5	-3.16465	-4.5067	3.49658	3.49658	10.5907	13.0078	16.1719	165.938	10.3711	0	89.375	2.5	-0.24244	-0.45452	-4.08292	29.9064
										10.5907	13.0078	16.1719		10.3711						-3.7398	32.7435
											13.1836										
											13.1836										
92445				5288	188.5	-3.76128	-4.69666	1.19327	3.57054	10.5907	13.1836	16.1719	167.695	10.3711	15.875	89.375	2.5	-0.56571	-0.48942	-3.49167	31.8262
										10.5907	13.1836	16.5234		10.3711						-3.64084	33.1917
											13.0078										
											13.0078										
92446				5320	189	-3.76128	-4.69666	-0.0746	6.46262	10.5907	12.832	17.2265	169.102	9.84374	0	89.375	2.5	-0.56571	-0.48942	-3.69037	38.0682
										10.5907	12.6562	17.9297		9.66795						-3.69037	42.6372
											12.6562										
											12.4805										
92447				5344	189.5	-3.7016	-4.82328	-2.97811	7.16603	10.5907	12.4805	18.2812	170.859	9.31639	15.875	89.375	2.5	-0.64651	-0.48942	-3.64084	41.9675
										10.5907	12.3047	20.039		9.49217						-3.59122	39.8436
											12.3047										
											12.1289										
92448	2	44	34	5372	191	-3.88063	-4.82328	-1.71474	5.75458	10.5907	12.1289	21.4453	172.266	9.49217	0	89.5	2.5	-0.64651	-0.48942	-3.59122	39.0391
										10.5907	12.1289	22.8515		9.14061						-3.49167	36.5388
											11.9531										
											11.9531										
92449				5396	192	-3.94032	-5.01316	-0.14921	6.67415	10.5907	11.7773	23.5547	174.727	9.31639	15.875	89.5	2.5	-0.96967	-0.45452	-3.49167	36.3416
										10.5907	11.6015	24.2578		9.31639						-3.64084	53.1311
											11.6015										
											11.4258										
92450				5420	193.5	-3.88063	-4.94987	-8.14226	11.7716	10.5907	11.25	24.6093	176.484	9.14061	0	89.375	2.5	-1.13121	-0.45452	-3.64084	60.1661
										10.5907	11.0742	26.0156		8.96483						-3.64084	54.3458
											11.0742										
											10.8984										
92451				5436	195	-3.88063	-4.82328	-6.67415	10.7237	10.5907	10.7226	27.7734	179.648	8.96483	15.875	89.375	2.5	-1.21196	-0.45452	-3.69037	53.432
										10.5907	10.3711	31.6406		8.96483						-3.83835	52.8322

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
											10.1953										
											10.1953										
92452	2	44	38	5452	196.5	-3.58224	-4.63334	-6.32137	9.44921	10.5907	9.84374	35.1562	182.812	8.96483	0	89.375	2.5	-1.29272	-0.48942	-3.88747	51.3654
										10.5907	9.66795	38.6718		8.78905						-4.03422	46.2242
											9.49217										
											9.14061										
92453				5460	198.5	-2.92614	-4.25336	-4.16128	-1.71474	10.5907	8.78905	40.0781	186.328	8.78905	15.875	89.375	2.5	-1.45419	-0.59401	-4.18001	32.9685
										10.5907	8.26171	42.539		8.96483						-4.32482	10.3342
											8.08593										
											7.91014										
92454				5464	200.5	-2.03317	-2.44957	2.82976	7.93397	10.5907	7.3828	43.2421	190.547	8.96483	0	89.375	2.5	-0.88889	-0.17494	-5.26365	39.4382
										10.5907	7.03124	42.1874		9.14061						-5.62551	48.5744
											6.85546										
											6.67968										
92455				5468	202.5	-0.84801	-1.85494	-4.67653	9.58546	10.5907	6.5039	41.8359	194.766	9.66795	15.875	89.375	2.5	0.24246	0.174945	-5.58072	48.3058
										10.5907	6.32812	43.5937		10.3711						-5.5358	48.039
											6.32812										
											6.15233										
92456	2	44	42	5460	205.5	-0.90708	-2.50911	-3.64449	2.90393	10.5907	5.97655	46.4062	200.742	10.8984	0	89.375	2.5	0.484903	-0.03499	-5.26365	29.9064
										10.5907	5.80077	49.5702		10.8984						-5.80337	29.6583
											5.62499										
											5.44921										
92457				5452	207.5	-0.55307	-2.50911	1.71474	2.90393	10.5907	5.09765	51.6796	205.312	10.5469	15.875	89.375	2.5	0.404091	-0.03499	-5.4003	31.5925
										10.5907	4.57031	52.3827		10.3711						-5.4003	31.1198
											4.39453										
											4.21874										
92458				5432	209.5	-1.26193	-2.33054	0	7.5159	10.5907	3.51562	53.0859	210.586	10.1953	0	89.375	2.5	0.323277	0.314812	-5.44559	41.5294
										10.5907	3.16406	53.4374		9.66795						-5.21786	37.8786
											2.63671										
											2.28515										
92459				5408	212	-1.43963	4.41352	2.01244	6.81492	10.5907	1.75781	55.1952	215.156	9.66795	15.875	89.25	2.4	0.646514	0.489422	-8.17929	36.9287
										10.5907	1.05469	56.2499		9.49217						-6.70263	41.9675
											0.87891										
											0.52734										
92460	2	44	46	5380	215	1.54354	1.74687	-4.23499	9.72149	10.5907	0.52734	58.0077	222.188	10.7226	0	89.25	2.5	2.3413	0.802696	-7.1101	48.845
										10.5907	0.35156	60.1171		11.9531						-7.02969	41.9675
											0										
											-0.17578										
92461				5332	218.5	-0.31757	0.384021	-1.86361	7.86443	10.5907	-0.52734	63.6327	229.219	12.4805	15.875	89.25	2.5	1.6156	0.802696	-6.53587	41.7476
										10.5907	-1.05469	65.3905		12.4805						-6.98928	40.4635
											-1.58203										
											-2.8125										
92462				5276	222	1.61137	3.15781	0.074603	5.25647	10.5907	-3.51562	68.9062	235.898	11.4258	0	89.125	2.5	-0.24244	0.069985	-7.06996	29.1565
										10.5907	-4.04296	71.3671		11.0742						-8.43026	49.3918
											-5.09765										
											-5.62499										
92463				5204	225.5	5.00058	-1.43963	-5.96745	9.92502	10.5907	-6.15233	73.1249	242.578	10.8984	15.875	89.125	2.4	1.53489	0.594018	-7.42634	51.9464
										10.5907	-6.85546	74.1796		12.1289						-5.67017	44.9835
											-7.3828										
											-8.61327										
92464	2	44	50	5096	230.5	-1.08441	-2.80694	-2.45854	7.09592	10.5907	-9.49217	77.6952	251.367	12.3047	0	89.125	2.5	1.05045	0.524303	-5.03343	40.4635
										10.5907	-9.84374	80.5077		10.7226						-5.12589	40.4635
											-11.7773										
											-12.6562										
92465				4972	236.5	-1.73618	-2.98576	-2.97811	7.37611	10.5907	-13.7109	83.3202	255.586	8.43749	15.875	89	2.4	1.21197	0.524303	-5.21786	43.0924
										10.5907	-15.2929	84.7264		6.5039						-4.80016	38.6462
											-16.3476										
											-18.457										
92466				4816	244.5	-2.50911	-4.25336	-0.44759	5.61247	10.5907	-19.3359	87.1874	260.508	6.15233	0	89	2.5	1.77697	0.489422	-4.56393	37.5022
										10.5907	-20.7422	89.2967		5.80077						-3.59122	36.5388
											-22.6757										
											-23.7304										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	ELEVATOR POSN L ()	ELEVATOR POSN R ()	AILERON POSN L ()	AILERON POSN R ()	SPD BRAKE HANDLE ()	PITCH ANGLE EFIS (DEG)	ROLL ANGLE EFIS (DEG)	MAGNETI HEADING EFIS (DEG)	AOA (DEG)	N1 L (%RPM)	N1 R (%RPM)	PITCH TRIM POSITION ()	RUDDER POSN ()	RUDDER PEDAL POSN ()	CONTROL COLUMN POSN ()	CONTROL WHEEL POSN ()
92467				4628	254	-3.94032	-5.45591	0	3.05225	10.5907	-25.1367	91.4061	265.078	5.44921	15.875	89.625	2.5	2.09954	0.349758	-3.64084	35.5372
										10.5907	-26.0156	92.8124		4.57031						-3.19079	25.7127
											-27.0703										
											-28.8281										
92468	2	44	54	4388	264.5	-4	-6.08744	2.53281	7.16603	10.5907	-29.707	95.2733	270	3.86718	0	89.875	2.5	1.85763	0.419615	-3.14032	36.1428
										10.5907	-30.2343	96.6796		3.33984						-1.90571	41.7476
											-31.1132										
											-31.8164										
92469				4124	275.5	-6.1505	-7.02937	-2.23555	6.46262	10.5907	-33.0468	98.0858	273.516	2.98828	15.875	90	2.5	2.26073	0.66366	-1.53866	41.7476
										10.5907	-33.9257	99.8436		2.10937						-1.38063	33.1917
											-34.8046										
											-36.5624										
92470				3820	289.5	-6.33962	-9.11425	2.01244	2.68131	10.5907	-36.914	103.008	277.031	1.23047	0	89.875	2.5	1.93828	-0.20992	-0.90449	29.6583
										10.5907	-37.7929	105.469		0.703124						2.32179	27.6066
											-39.5507										
											-40.2538										
92471				3508	306.5	-9.8567	-8.30798	2.23556	-9.92503	10.5907	-41.3085	107.578	279.844	0	15.875	89.875	2.5	1.53489	-0.24489	0.957521	11.7557
										7.45171	-41.6601	110.039		-2.63671						-1.69627	2.621
											-42.0117										
											-43.0663										
92472	2	44	58	3068	317.5	-5.45591	-6.21355	19.9852	-12.609	8.50137	-43.2421	111.094	281.602	-2.28515	0	89.625	2.5	1.21197	-0.20992	-1.48603	3.74078
										9.54769	-43.9452	98.0858		0.527343						-1.59124	31.357
											-45.1757										
											-45.5273										
92473				2640	334	-5.07643	-5.77184	16.2187	-5.61246	10.5907	-45.7031	78.7499	290.391	2.98828	15.875	89.125	2.5	1.77697	1.11405	-2.47674	38.6462
										10.5907	-45.8788	60.4687		3.16406						-1.95793	57.5102
											-45.8788										
											-45.8788										
92474				2216	352	-5.07643	-5.32945	8.6952	-7.65547	10.5907	-45.7031	54.1405	298.477	2.8125	0	87.5	2.5	2.3413	1.01051	-2.01009	54.3458
										9.54769	-45.3515	49.5702		2.28515						-2.98841	14.8754
											-44.9999										
											-44.6484										
92475				1748	368.5	-4.44337	-5.45591	18.83	-9.1074	9.54769	-44.121	48.164	302.695	2.28515	15.875	77.125	2.6	2.98518	1.01051	-2.27	12.8083
										10.5907	-43.4179	37.9687		3.33984						-3.59122	65.7645
											-42.7148										
											-41.4843										
92476	2	45	2	1320	382.5	-3.34359	-4.75997	5.39898	-4.23498	10.5907	-40.6054	30.2343	306.914	3.51562	0	63.375	2.4	1.37345	1.07957	-2.98841	59.1578
										10.5907	-39.0234	22.8515		3.33984						-3.19079	28.9029
											-38.3203										
											-37.9687										
92477				904	395	-2.80693	-3.64192	14.1822	-4.01377	10.5907	-36.914	23.9062	309.023	2.63671	15.875	55.75	2.4	2.18014	1.86262	-3.98541	31.1198
										10.5907	-36.2109	18.2812		3.51562						-6.4094	63.6251
											-35.332										
											-33.75										
92478				524	410	0.999374	2.15226	1.64028	3.42259	10.5907	-32.6953	14.0625	311.133	3.51562	0	51.5	2.2	3.46716	3.33793	-8.81175	57.1858
										10.5907	-30.5859	14.414		4.92187						-7.88453	41.0981
											-29.8828										
											-29.0039										
92479				180	416	-0.67098	-3.28393	6.95553	0.14921	10.5907	-25.4882	19.3359	315.703	6.85546	15.875	48.375	2.4	3.3066	4.48769	-5.89152	41.5294
										10.5907	-24.4336	24.6093		5.44921						-5.35487	40.0486
											-23.7304										
											-23.2031										
92480																					

 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 20 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
91864	2	34	50	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91865				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91866				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91867				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91868	2	34	54	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91869				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91870				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91871				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91872	2	34	58	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91873				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91874				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91875				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91876	2	35	2	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91877				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91878				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91879				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91880	2	35	6	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91881				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91882				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91883				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91884	2	35	10	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91885				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91886				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91887				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91888	2	35	14	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91889				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91890				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91891				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91892	2	35	18	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91893				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91894				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91895				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91896	2	35	22	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91897				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91898				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91899				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91900	2	35	26	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91901				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91902				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91903				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91904	2	35	30	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91905				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91906				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91907				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91908	2	35	34	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91909				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91910				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91911				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91912	2	35	38	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91913				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91914				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91915				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91916	2	35	42	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91917				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91918				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91919				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91920	2	35	46	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91921				216	45			.	.	.	.	.	.	.	.	.	.		2.63671	
91922				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91923				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.63671	
91924	2	35	50	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91925				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91926				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91927				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91928	2	35	54	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91929				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91930				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91931				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91932	2	35	58	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91933				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91934				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91935				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91936	2	36	2	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91937				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91938				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91939				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91940	2	36	6	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91941				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91942				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91943				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.28515	
91944	2	36	10	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91945				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91946				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91947				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91948	2	36	14	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91949				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91950				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91951				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91952	2	36	18	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91953				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91954				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91955				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91956	2	36	22	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91957				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91958				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91959				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91960	2	36	26	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91961				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91962				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91963				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91964	2	36	30	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91965				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91966				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91967				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91968	2	36	34	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91969				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91970				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91971				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91972	2	36	38	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91973				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	
91974				216	45			.	.	.	.	.	.	.	.	.	.			1.23047
91975				216	45		LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91976	2	36	42	216	45			.	.	.	.	.	.	.	.	.	.	T/O		1.23047
91977				216	45			.	.	.	.	.	.	.	.	.	.		2.46093	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
91978				216	45	.		.	.	.	.	.	.	.	.	.	.			1.23047
91979				216	45	.	LEFT	.	.	.	.	.	.	.	.	.	.		2.46093	
91980	2	36	46	216	45	.		.	.	.	.	.	.	.	.	.	.	T/O	.	1.23047
91981				216	45	.		.	.	.	.	.	.	.	.	.	.		2.46093	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
91982				216	45															1.23047
91983				216	45		LEFT												2.46093	
91984	2	36	50	216	45													T/O		1.23047
91985				216	45														2.46093	
91986				216	45															1.23047
91987				216	45		LEFT												2.46093	
91988	2	36	54	216	45													T/O		1.23047
91989				216	45														2.46093	
91990				216	45															1.23047
91991				216	45		LEFT												2.46093	
91992	2	36	58	216	45													T/O		1.23047
91993				216	45														2.46093	
91994				216	45															1.23047
91995				216	45		LEFT												2.46093	
91996	2	37	2	216	45													T/O		1.23047
91997				216	45														2.46093	
91998				216	45															1.23047
91999				216	45		LEFT												2.46093	
92000	2	37	6	216	45													T/O		1.23047
92001				216	45														2.46093	
92002				216	45															1.23047
92003				216	45		LEFT												2.46093	
92004	2	37	10	216	45													T/O		1.23047
92005				216	45														5.97655	
92006				216	45															5.44921
92007				216	45		LEFT												5.97655	
92008	2	37	14	216	45													T/O		5.44921
92009				216	45														6.15233	
92010				216	45															7.73436
92011				216	45		LEFT												10.3711	
92012	2	37	18	216	45													T/O		8.78905
92013				216	45														11.9531	
92014				216	45															9.84374
92015				216	45		LEFT												14.414	
92016	2	37	22	216	45													T/O		12.4805
92017				216	45														15.2929	
92018				216	45															12.4805
92019				216	45		LEFT												15.4687	
92020	2	37	26	216	45													T/O		11.25
92021				216	45														12.3047	
92022				216	45															8.96483
92023				216	45		LEFT												12.1289	
92024	2	37	30	216	45													T/O		8.96483
92025				216	45														12.1289	
92026				216	45															8.96483
92027				216	45	WARN	LEFT												10.1953	
92028	2	37	34	216	45	WARN												T/O		7.20702
92029				216	45														10.0195	
92030				216	45															6.5039
92031				216	45		LEFT												8.61327	
92032	2	37	38	216	45													T/O		5.80077
92033				216	45														8.43749	
92034				216	45															5.80077
92035				216	45		LEFT												8.43749	
92036	2	37	42	216	45													T/O		5.80077
92037				216	45														8.43749	
92038				216	45															5.80077
92039				216	45		LEFT												8.43749	
92040	2	37	46	216	45													T/O		5.80077
92041				216	45														8.43749	
92042				216	45															5.80077
92043				216	45		LEFT												7.91014	
92044	2	37	50	216	45													T/O		5.80077
92045				216	45														7.3828	
92046				216	45															5.80077
92047				216	45		LEFT												7.3828	
92048	2	37	54	216	45													T/O		5.80077
92049				216	45														7.3828	
92050				216	45															5.80077
92051				216	45		LEFT												7.3828	
92052	2	37	58	216	45													T/O		5.80077
92053				216	45														7.3828	
92054				216	45															5.80077
92055				216	45		LEFT												7.3828	
92056	2	38	2	216	45													T/O		5.80077
92057				216	45														7.3828	
92058				216	45															5.80077
92059				216	45		LEFT												7.3828	
92060	2	38	6	216	45													T/O		5.62499
92061				216	45														7.03124	
92062				212	45															5.62499
92063				216	45		LEFT												7.03124	
92064	2	38	10	212	45													T/O		5.62499
92065				212	45														7.03124	
92066				212	45															5.62499
92067				212	45		LEFT												7.03124	
92068	2	38	14	212	45													T/O		5.62499
92069				212	45														7.03124	
92070				212	45															5.62499
92071				212	45		LEFT												7.03124	
92072	2	38	18	212	45													T/O		5.62499
92073				212	45														7.03124	
92074				212	45															5.62499
92075				212	45		LEFT												7.03124	
92076	2	38	22	212	45													T/O		5.62499
92077				208	45														7.03124	
92078				208	45															5.62499
92079				208	45		LEFT												7.03124	
92080	2	38	26	208	45													T/O		5.62499
92081				208	45														7.03124	
92082				208	45															5.62499
92083				208	45		LEFT												7.03124	
92084	2	38	30	208	45													T/O		5.62499
92085				208	45														7.03124	
92086				208	45															5.62499
92087				208	45		LEFT												7.03124	
92088	2	38	34	208	45													T/O		5.62499
92089				208	45														7.03124	
92090				208	45															5.62499
92091				208	45		LEFT												7.03124	
92092	2	38	38	208	45													T/O		5.62499
92093				208	45														7.03124	
92094				208	45															5.62499
92095				208	45		LEFT												7.03124	
92096	2	38	42	208	45													T/O		5.62499
92097				208	45														7.03124	
92098				208	45															5.62499
92099				208	45		LEFT												7.03124	
92100	2	38	46	208	45													T/O		5.62499
92101				208	45														7.03124	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92102				208	45	.		.	.	.	.	.	.	.	.	.	.			5.62499
92103				204	45	.	LEFT	.	.	.	.	.	.	.	.	.	.		7.03124	
92104	2	38	50	204	45	.		.	.	.	.	.	.	.	.	.	.	T/O	.	5.62499
92105				204	45	.		.	.	.	.	.	.	.	.	.	.		7.03124	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92106				204	45															5.62499
92107				204	45		LEFT												7.03124	
92108	2	38	54	204	45													T/O		5.62499
92109				204	45														7.03124	
92110				208	45															5.62499
92111				204	45		LEFT												7.03124	
92112	2	38	58	204	45													T/O		5.62499
92113				204	45														7.03124	
92114				204	45															5.62499
92115				204	45		LEFT												7.03124	
92116	2	39	2	204	45													T/O		5.62499
92117				204	45														7.03124	
92118				204	45															5.62499
92119				204	45		LEFT												7.03124	
92120	2	39	6	204	45													T/O		5.62499
92121				204	45														7.03124	
92122				204	45															5.62499
92123				204	45		LEFT												7.03124	
92124	2	39	10	204	45													T/O		5.62499
92125				204	45														7.03124	
92126				204	45															5.62499
92127				204	45		LEFT												7.03124	
92128	2	39	14	204	45													T/O		5.62499
92129				204	45														7.03124	
92130				200	45															5.62499
92131				204	45		LEFT												7.03124	
92132	2	39	18	200	45													T/O		5.62499
92133				200	45														7.03124	
92134				200	45															5.44921
92135				200	45		LEFT												3.51562	
92136	2	39	22	200	45													T/O		1.40625
92137				200	45														2.8125	
92138				200	45															1.23047
92139				200	45		LEFT												2.8125	
92140	2	39	26	200	45													T/O		1.23047
92141				200	45														2.8125	
92142				200	45															1.23047
92143				196	45		LEFT												2.8125	
92144	2	39	30	196	45													T/O		1.23047
92145				196	45														2.8125	
92146				196	45															1.23047
92147				196	45		LEFT												2.8125	
92148	2	39	34	196	45													T/O		1.23047
92149				196	45														2.8125	
92150				196	45															1.23047
92151				196	45		LEFT												2.8125	
92152	2	39	38	196	45													T/O		1.23047
92153				196	45														2.8125	
92154				196	45															1.23047
92155				192	45		LEFT												2.8125	
92156	2	39	42	192	45													T/O		1.23047
92157				196	45														2.8125	
92158				192	45															1.23047
92159				192	45		LEFT												2.8125	
92160	2	39	46	192	45													T/O		1.23047
92161				192	45														2.8125	
92162				192	45															1.23047
92163				192	45		LEFT												2.8125	
92164	2	39	50	192	45													T/O		1.23047
92165				192	45														2.8125	
92166				192	45															1.23047
92167				192	45		LEFT												2.8125	
92168	2	39	54	192	45				ENGA									T/O		1.23047
92169				192	45				ENGA										2.8125	
92170				192	45				ENGA											1.23047
92171				192	45		LEFT		ENGA										2.8125	
92172	2	39	58	192	45				ENGA									T/O		1.23047
92173				192	45				ENGA										2.8125	
92174				192	45				ENGA											1.23047
92175				192	45		LEFT		ENGA										2.8125	
92176	2	40	2	192	45				ENGA									T/O		1.23047
92177				192	45				ENGA										2.8125	
92178				192	45				ENGA											1.23047
92179				192	45		LEFT		ENGA										2.8125	
92180	2	40	6	192	45				ENGA									T/O		1.23047
92181				188	45				ENGA										2.8125	
92182				192	45				ENGA											1.23047
92183				192	45		LEFT		ENGA										2.8125	
92184	2	40	10	192	45				ENGA									T/O		1.23047
92185				188	45				ENGA										2.8125	
92186				192	45				ENGA											1.23047
92187				192	45		LEFT		ENGA										2.8125	
92188	2	40	14	188	45				ENGA									T/O		1.23047
92189				192	45				ENGA										2.8125	
92190				188	45				ENGA											1.23047
92191				188	45		LEFT		ENGA										2.8125	
92192	2	40	18	188	45				ENGA									T/O		1.23047
92193				188	45				ENGA										2.8125	
92194				188	45				ENGA											1.23047
92195				188	45		LEFT		ENGA										2.8125	
92196	2	40	22	188	45				ENGA									T/O		1.23047
92197				188	45				ENGA										2.8125	
92198				188	45				ENGA											1.23047
92199				188	45		LEFT		ENGA										2.8125	
92200	2	40	26	188	45				ENGA									T/O		1.23047
92201				188	45				ENGA										2.8125	
92202				188	45				ENGA											1.23047
92203				188	45		LEFT		ENGA										2.8125	
92204	2	40	30	188	45				ENGA									T/O		1.23047
92205				188	45				ENGA										2.8125	
92206				188	45				ENGA											1.23047
92207				188	45		LEFT		ENGA										2.8125	
92208	2	40	34	188	45				ENGA									T/O		1.23047
92209				188	45				ENGA										2.8125	
92210				188	45				ENGA											1.23047
92211				188	45		LEFT		ENGA										2.8125	
92212	2	40	38	188	45				ENGA									T/O		1.23047
92213				188	45				ENGA										2.8125	
92214				188	45				ENGA											1.23047
92215				184	45		LEFT		ENGA										2.8125	
92216	2	40	42	188	45				ENGA									T/O		1.23047
92217				188	45				ENGA										2.8125	
92218				188	45				ENGA											1.23047
92219				188	45		LEFT		ENGA										2.8125	
92220	2	40	46	188	45				ENGA									T/O		1.23047
92221				188	45				ENGA										2.8125	
92222				184	45				ENGA											1.23047
92223				188	45		LEFT		ENGA										2.8125	
92224	2	40	50	188	45				ENGA									T/O		1.23047
92225				184	45				ENGA										2.8125	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92226				184	45	.		.	ENGA	.	.	.	.	.	.	.	.			1.23047
92227				184	45	.	LEFT	.	ENGA	.	.	.	.	.	.	.	.		2.8125	
92228	2	40	54	184	45	.		.	ENGA	.	.	.	.	.	.	.	.	T/O		1.23047
92229				184	45	.		.	ENGA	.	.	.	.	.	.	.	.		2.8125	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92230				184	45				ENGA											1.23047
92231				184	45		LEFT		ENGA										2.8125	
92232	2	40	58	184	45				ENGA									T/O		1.23047
92233				184	45				ENGA										2.8125	
92234				184	45				ENGA											1.23047
92235				184	45		LEFT		ENGA										2.8125	
92236	2	41	2	184	45				ENGA									T/O		1.23047
92237				184	45				ENGA										2.8125	
92238				184	45				ENGA											1.23047
92239				184	45		LEFT		ENGA										2.8125	
92240	2	41	6	184	45				ENGA									T/O		1.23047
92241				184	45				ENGA										2.8125	
92242				184	45				ENGA											1.23047
92243				184	45		LEFT		ENGA										2.8125	
92244	2	41	10	184	45				ENGA									T/O		1.23047
92245				184	45				ENGA										2.8125	
92246				184	45				ENGA											1.23047
92247				184	45		LEFT		ENGA										2.8125	
92248	2	41	14	184	45				ENGA									T/O		1.23047
92249				184	45				ENGA										2.8125	
92250				184	45				ENGA											1.23047
92251				184	45		LEFT		ENGA										2.8125	
92252	2	41	18	184	45				ENGA									T/O		1.23047
92253				184	45				ENGA										2.8125	
92254				184	45				ENGA											1.23047
92255				184	45		LEFT		ENGA										2.8125	
92256	2	41	22	184	45				ENGA									T/O		1.75781
92257				184	45				ENGA										2.98828	
92258				184	45				ENGA											2.10937
92259				180	45		LEFT		ENGA										2.98828	
92260	2	41	26	180	45				ENGA									T/O		3.6914
92261				180	45				ENGA										5.44921	
92262				180	45				ENGA											3.86718
92263				180	45		LEFT		ENGA										5.44921	
92264	2	41	30	180	45				ENGA									T/O		3.86718
92265				180	45				ENGA										5.44921	
92266				180	45				ENGA											3.86718
92267				180	45		LEFT		ENGA										5.44921	
92268	2	41	34	180	45				ENGA									T/O		3.86718
92269				180	45				ENGA										5.44921	
92270				180	45				ENGA											3.86718
92271				180	45		LEFT		ENGA										5.44921	
92272	2	41	38	180	45				ENGA									T/O		3.86718
92273				180	45				ENGA										5.44921	
92274				180	45				ENGA											3.86718
92275				180	45		LEFT		ENGA										5.44921	
92276	2	41	42	180	45				ENGA									T/O		3.86718
92277				180	45				ENGA										5.44921	
92278				180	45				ENGA											3.86718
92279				180	45		LEFT		ENGA										5.44921	
92280	2	41	46	180	45				ENGA									T/O		3.86718
92281				180	45				ENGA										5.44921	
92282				180	45				ENGA											3.86718
92283				180	45		LEFT		ENGA										8.26171	
92284	2	41	50	180	45				ENGA									T/O		14.7656
92285				180	45				ENGA										20.9179	
92286				180	45				ENGA											20.3906
92287				180	45		LEFT		ENGA										22.8515	
92288	2	41	54	180	45				ENGA									T/O		20.3906
92289				180	45				ENGA										24.7851	
92290				180	45				ENGA											22.1484
92291				184	45		LEFT		ENGA										24.7851	
92292	2	41	58	180	45				ENGA									T/O		22.1484
92293				184	45				ENGA										24.7851	
92294				184	45				ENGA											22.1484
92295				184	45		LEFT		ENGA										24.7851	
92296	2	42	2	188	45				ENGA							ENGA		T/O		22.1484
92297				188	45				ENGA							ENGA			30.7617	
92298				188	45				ENGA							ENGA				32.6953
92299				188	45		LEFT		ENGA							ENGA			37.4414	
92300	2	42	6	192	45				ENGA							ENGA		T/O		37.2656
92301				192	45.5				ENGA							ENGA			40.4296	
92302				192	49.5				ENGA							ENGA				39.1992
92303				196	56		LEFT		ENGA							ENGA			45.1757	
92304	2	42	10	196	61				ENGA							ENGA		T/O		44.2968
92305				196	65				ENGA							ENGA			46.4062	
92306				196	70				ENGA							ENGA				45.1757
92307				200	75.5		LEFT		ENGA							ENGA			46.4062	
92308	2	42	14	200	78.5				ENGA							ENGA		T/O		45.7031
92309				200	83.5				ENGA										46.4062	
92310				200	89				ENGA											45.7031
92311				200	93		LEFT		ENGA										46.2304	
92312	2	42	18	200	97.5				ENGA									T/O		45.7031
92313				204	101				ENGA										46.2304	
92314				204	106.5				ENGA											45.7031
92315				204	109.5		LEFT		ENGA										46.2304	
92316	2	42	22	204	115.5				ENGA									T/O		45.7031
92317				204	119.5				ENGA										46.2304	
92318				204	123.5				ENGA											45.7031
92319				208	127.5		LEFT		ENGA										46.2304	
92320	2	42	26	208	131.5				ENGA									T/O		45.7031
92321				208	135.5				ENGA										46.2304	
92322				208	139				ENGA											45.7031
92323				204	142.5		LEFT		ENGA										46.2304	
92324	2	42	30	204	146				ENGA									T/O		45.7031
92325				196	150				ENGA										46.2304	
92326				192	152				ENGA											45.7031
92327				192	155.5		LEFT		ENGA										46.2304	
92328	2	42	34	196	159				ENGA									T/O		45.7031
92329				208	162				ENGA										46.2304	
92330				220	165.5				ENGA											45.7031
92331				240	167.5		LEFT		ENGA										46.2304	
92332	2	42	38	268	169.5				ENGA									T/O		45.7031
92333				300	171.5				ENGA										46.2304	
92334				328	172				ENGA											45.7031
92335				364	173		LEFT		ENGA										46.2304	
92336	2	42	42	400	174				ENGA									T/O		45.7031
92337				440	174.5				ENGA										46.2304	
92338				480	176				ENGA											45.7031
92339				512	176.5		LEFT		ENGA										46.2304	
92340	2	42	46	548	177				ENGA									T/O		45.7031
92341				584	178				ENGA										46.2304	
92342				616	178.5				ENGA											45.7031
92343				652	179		LEFT		ENGA										46.2304	
92344	2	42	50	688	178.5				ENGA									T/O		45.7031
92345				720	179.5				ENGA										46.2304	
92346				756	179.5				ENGA											45.7031
92347				792	180		LEFT		ENGA										46.2304	
92348	2	42	54	832	180				ENGA									T/O		45.7031
92349				868	181				ENGA										46.2304	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92350				904	180.5	.		.	ENGA	.	.	.	.	.	.	.	.			45.7031
92351				940	181.5	.	LEFT	.	ENGA	.	.	.	.	.	.	.	.		46.2304	
92352	2	42	58	976	181	.		.	ENGA	.	.	.	.	.	.	.	.	T/O	.	45.7031
92353				1016	181.5	.		.	ENGA	.	.	.	.	.	.	.	.		46.2304	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92354				1052	181.5				ENGA											45.7031
92355				1096	183		LEFT		ENGA										46.2304	
92356	2	43	2	1136	183				ENGA						ENGA			T/O		45.7031
92357				1180	184				ENGA						ENGA				46.2304	
92358				1220	184				ENGA						ENGA					45.5273
92359				1268	184		LEFT		ENGA						ENGA				44.8242	
92360	2	43	6	1312	184				ENGA						ENGA			CLB		43.7695
92361				1352	183				ENGA						ENGA				44.2968	
92362				1396	184				ENGA						ENGA					43.5937
92363				1440	184		LEFT		ENGA						ENGA				44.121	
92364	2	43	10	1484	183.5				ENGA						ENGA			CLB		43.5937
92365				1528	183				ENGA						ENGA				43.9452	
92366				1576	183.5				ENGA						ENGA					43.5937
92367				1624	183		LEFT		ENGA						ENGA				43.9452	
92368	2	43	14	1668	182.5				ENGA						ENGA			CLB		43.4179
92369				1708	183				ENGA						ENGA				43.9452	
92370				1748	183.5				ENGA						ENGA					43.4179
92371				1784	184.5		LEFT		ENGA						ENGA				43.9452	
92372	2	43	18	1816	185.5				ENGA						ENGA			CLB		43.4179
92373				1844	186.5				ENGA						ENGA				43.9452	
92374				1868	187.5				ENGA						ENGA					43.2421
92375				1892	188.5		LEFT		ENGA						ENGA				43.9452	
92376	2	43	22	1912	190				ENGA						ENGA			CLB		43.2421
92377				1932	191.5				ENGA						ENGA				43.9452	
92378				1948	193				ENGA						ENGA					43.2421
92379				1964	194.5		LEFT		ENGA						ENGA				43.9452	
92380	2	43	26	1980	196.5				ENGA						ENGA			CLB		43.4179
92381				2000	198.5				ENGA						ENGA				43.9452	
92382				2020	200.5				ENGA						ENGA					43.4179
92383				2040	202		LEFT		ENGA						ENGA				43.9452	
92384	2	43	30	2064	203.5				ENGA						ENGA			CLB		43.4179
92385				2084	205				ENGA						ENGA				43.9452	
92386				2112	206				ENGA						ENGA					43.5937
92387				2136	207.5		LEFT		ENGA						ENGA				43.9452	
92388	2	43	34	2168	208.5				ENGA						ENGA			CLB		43.5937
92389				2196	209				ENGA						ENGA				43.9452	
92390				2224	210.5				ENGA						ENGA					43.5937
92391				2252	212		LEFT		ENGA						ENGA				43.9452	
92392	2	43	38	2284	213.5				ENGA						ENGA			CLB		43.5937
92393				2320	214.5				ENGA						ENGA				43.9452	
92394				2352	215.5				ENGA						ENGA					43.4179
92395				2392	215.5		LEFT		ENGA						ENGA				43.9452	
92396	2	43	42	2432	216				ENGA						ENGA			CLB		43.4179
92397				2472	216.5				ENGA						ENGA				43.9452	
92398				2520	216.5				ENGA						ENGA					43.2421
92399				2572	217		LEFT		ENGA						ENGA				43.9452	
92400	2	43	46	2624	216.5				ENGA						ENGA			CLB		43.2421
92401				2676	216.5				ENGA						ENGA				43.9452	
92402				2728	216				ENGA						ENGA					43.2421
92403				2784	216.5		LEFT		ENGA						ENGA				43.7695	
92404	2	43	50	2840	217				ENGA						ENGA			CLB		43.2421
92405				2892	217				ENGA						ENGA				43.7695	
92406				2948	216.5				ENGA						ENGA					43.2421
92407				3004	216.5		LEFT		ENGA						ENGA				43.5937	
92408	2	43	54	3064	216				ENGA						ENGA			CLB		43.2421
92409				3124	216				ENGA						ENGA				43.5937	
92410				3188	214.5				ENGA						ENGA					43.2421
92411				3252	214		LEFT		ENGA						ENGA				43.5937	
92412	2	43	58	3320	213.5				ENGA						ENGA			CLB		43.2421
92413				3392	212				ENGA						ENGA				43.5937	
92414				3468	209.5				ENGA						ENGA					43.2421
92415				3544	209.5		LEFT		ENGA						ENGA				43.5937	
92416	2	44	2	3624	207				ENGA						ENGA			CLB		43.2421
92417				3712	206				ENGA						ENGA				43.5937	
92418				3796	204.5				ENGA						ENGA					43.2421
92419				3880	203		LEFT		ENGA						ENGA				43.5937	
92420	2	44	6	3964	201				ENGA						ENGA			CLB		43.2421
92421				4056	199				ENGA						ENGA				43.5937	
92422				4136	196.5				ENGA						ENGA					43.2421
92423				4220	194.5		LEFT		ENGA						ENGA				43.5937	
92424	2	44	10	4308	195				ENGA						ENGA			CLB		43.0663
92425				4388	192				ENGA						ENGA				43.4179	
92426				4460	190				ENGA						ENGA					43.0663
92427				4532	190		LEFT		ENGA						ENGA				43.4179	
92428	2	44	14	4600	188.5				ENGA						ENGA			CLB		43.0663
92429				4660	188				ENGA						ENGA				43.4179	
92430				4720	187.5				ENGA						ENGA					42.8906
92431				4772	187		LEFT		ENGA						ENGA				43.4179	
92432	2	44	18	4824	186.5				ENGA						ENGA			CLB		42.8906
92433				4876	186				ENGA						ENGA				43.4179	
92434				4920	185.5				ENGA						ENGA					42.8906
92435				4968	185.5		LEFT		ENGA						ENGA				43.5937	
92436	2	44	22	5008	185				ENGA						ENGA			CLB		42.7148
92437				5044	184.5				ENGA						ENGA				43.5937	
92438				5076	185.5				ENGA						ENGA					42.7148
92439				5112	186		LEFT		ENGA						ENGA				43.5937	
92440	2	44	26	5144	186.5				ENGA						ENGA			CLB		42.7148
92441				5172	186				ENGA						ENGA				43.5937	
92442				5204	186.5				ENGA						ENGA					42.7148
92443				5232	187		LEFT		ENGA						ENGA				43.5937	
92444	2	44	30	5260	187.5				ENGA						ENGA			CLB		42.7148
92445				5288	188.5				ENGA						ENGA				43.4179	
92446				5320	189				ENGA						ENGA					42.7148
92447				5344	189.5		LEFT		ENGA						ENGA				43.4179	
92448	2	44	34	5372	191				ENGA						ENGA			CLB		42.7148
92449				5396	192				ENGA						ENGA				43.4179	
92450				5420	193.5				ENGA						ENGA					42.7148
92451				5436	195		LEFT		ENGA						ENGA				43.4179	
92452	2	44	38	5452	196.5				ENGA						ENGA			CLB		42.7148
92453				5460	198.5				ENGA						ENGA				43.4179	
92454				5464	200.5				ENGA						ENGA					42.7148
92455				5468	202.5		LEFT		ENGA						ENGA				43.4179	
92456	2	44	42	5460	205.5				ENGA						ENGA			CLB		42.7148
92457				5452	207.5				ENGA						ENGA				43.4179	
92458				5432	209.5				ENGA						ENGA					42.7148
92459				5408	212		LEFT		ENGA						ENGA				43.4179	
92460	2	44	46	5380	215				ENGA						ENGA			CLB		42.7148
92461				5332	218.5				ENGA						ENGA				43.4179	
92462				5276	222				ENGA						ENGA					42.7148
92463				5204	225.5		LEFT		ENGA						ENGA				43.4179	
92464	2	44	50	5096	230.5				ENGA						ENGA			CLB		42.7148
92465				4972	236.5	WARN			ENGA						ENGA				43.5937	
92466				4816	244.5				ENGA						ENGA					42.7148
92467				4628	254		LEFT		ENGA						ENGA				43.7695	
92468	2	44	54	4388	264.5				ENGA						ENGA			CLB		44.121
92469				4124	275.5				ENGA						ENGA				43.9452	
92470				3820	289.5				ENGA						ENGA					44.121
92471				3508	306.5		LEFT		ENGA						ENGA				44.2968	
92472	2	44	58	3068	317.5				ENGA						ENGA			CLB		43.9452
92473				2640	334				ENGA						ENGA				44.6484	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92474				2216	352	.		.	ENGA	.	.	.	.	.	ENGA	.	.			43.9452
92475				1748	368.5	.	LEFT	.	ENGA	.	.	.	.	.	ENGA	.	.		31.289	
92476	2	45	2	1320	382.5	.		.	ENGA	.	.	.	.	.	ENGA	.	.	CLB	.	19.3359
92477				904	395	.		.	ENGA	.	.	.	.	.	ENGA	.	.		2.28515	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	MASTER CAUTION (0-WARN 1-.)	EFIS SEL SW CAPT (0-LEFT 1-RIGHT)	V/S MODE FCC (0-. 1-ENGA)	A/T ENGA (0-. 1-ENGA)	A/T GA (0-. 1-ENGA)	A/T LIMIT (0-. 1-LIMIT)	A/T MAN DISC (0-DISC 1-.)	A/T MCP SPEED (0-. 1-ENGA)	A/T MIN SPEED (0-. 1-ENGA)	A/T N1 (0-. 1-ENGA)	A/T RETARD (0-. 1-ENGA)	A/T WARN (0-WARN 1-.)	N1 LIMIT MODE A/T (0-NOCODE 1-CODED)	THR LEVER ANGLE L (DEG)	THR LEVER ANGLE R (DEG)
92478				524	410	.		.	ENGA	.	.	.	.	.	ENGA	.	.			2.98828
92479				180	416	.	LEFT	.	ENGA	.	.	.	.	.	ENGA	.	.		5.27343	
92480																				

 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 20 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMP. AIRSPD (KNOTS)	MASTER CAUTION (0-WARN)	TO/GA FCC (0-. 1-ENGA)	L NAV ENGA FCC (1-ENGA)	NAV MODE SEL CAPT (1-SEL)	NAV MODE SEL F/O (1-SEL)	ALT HOLD FCC (1-ENGA)	A/T MIN SPEED (1-ENGA)	HDG SEFCC L (1-ENGA)	CMD A FCC (1-ENGA)	CMD B FCC (1-ENGA)	CWS A FCC (1-ENGA)	CWS B FCC (1-ENGA)	CWS ROLFCC L (1-ENGA)	SEL COURSE 1 (DEG)	SEL COURSE 2 (DEG)	SEL ALT FCC L (FEET)	SEL AIRSPD FCC L (KNOTS)	SEL MACH FCC L (MACH)	SEL HEADING FCC L (DEG)	A/P OFF FCC (1-OFF)	A/P WARN (0-WARN)	TRIM DN A/P (1-TRIM)
91864	2	34	50	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91865				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91866				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91867				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91868	2	34	54	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91869				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91870				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91871				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12992	.	.	OFF	.	.
91872	2	34	58	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91873				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91874				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91875				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	219.814	OFF	.	.
91876	2	35	2	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91877				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91878				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91879				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	306.035	.	.	.	.	OFF	.	.
91880	2	35	6	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91881				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91882				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91883				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91884	2	35	10	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91885				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91886				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91887				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	306.123	.	.	.	OFF	.	.
91888	2	35	14	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91889				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91890				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91891				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.21	OFF	.	.
91892	2	35	18	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91893				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91894				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91895				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91896	2	35	22	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91897				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91898				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91899				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91900	2	35	26	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91901				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91902				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91903				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91904	2	35	30	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91905				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91906				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91907				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91908	2	35	34	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91909				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91910				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91911				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91912	2	35	38	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91913				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91914				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91915				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91916	2	35	42	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91917				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91918				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91919				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91920	2	35	46	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91921				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91922				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91923				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91924	2	35	50	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91925				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91926				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91927				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	140	.	OFF	.	.
91928	2	35	54	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91929				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91930				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91931				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91932	2	35	58	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91933				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91934				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91935				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12992	.	.	OFF	.	.
91936	2	36	2	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91937				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91938				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91939				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	359.912	OFF	.	.
91940	2	36	6	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91941				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91942				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91943				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	359.912	.	.	.	.	OFF	.	.
91944	2	36	10	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91945				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91946				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91947				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91948	2	36	14	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91949				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91950				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
91951				216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	306.123	.	.	.	OFF	.	.
91952	2	36	18	216	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMP. AIRSPD	MASTER CAUTION	TO/GA FCC	L NAV ENGA FCC	NAV MODE SEL CAPT	NAV MODE SEL F/O	ALT HOLD FCC	A/T MIN SPEED	HDG SEFCC L	CMD A FCC	CMD B FCC	CWS A FCC	CWS B FCC	CWS ROLFCC L	SEL COURSE 1	SEL COURSE 2	SEL ALT FCC L	SEL AIRSPD FCC L	SEL MACH FCC L	SEL HEADING FCC L	A/P OFF FCC	A/P WARN	TRIM DN A/P
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(0-WARN)	(0-. 1-ENGA)	(1-ENGA)	(1-SEL)	(1-SEL)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(DEG)	(DEG)	(FEET)	(KNOTS)	(MACH)	(DEG)	(1-OFF)	(0-WARN)	(1-TRIM)
91953				216	45																				OFF		
91954				216	45																				OFF		
91955				216	45																		0.21		OFF		
91956	2	36	22	216	45																				OFF		
91957				216	45																				OFF		
91958				216	45																				OFF		
91959				216	45																				OFF		
91960	2	36	26	216	45																				OFF		
91961				216	45																				OFF		
91962				216	45																				OFF		
91963				216	45																				OFF		
91964	2	36	30	216	45																				OFF		
91965				216	45																				OFF		
91966				216	45																				OFF		
91967				216	45																				OFF		
91968	2	36	34	216	45																				OFF		
91969				216	45																				OFF		
91970				216	45																				OFF		
91971				216	45																				OFF		
91972	2	36	38	216	45																				OFF		
91973				216	45																				OFF		
91974				216	45																				OFF		
91975				216	45																				OFF		
91976	2	36	42	216	45																				OFF		
91977				216	45																				OFF		
91978				216	45																				OFF		
91979				216	45																				OFF		
91980	2	36	46	216	45																				OFF		
91981				216	45																				OFF		
91982				216	45																				OFF		
91983				216	45																				OFF		
91984	2	36	50	216	45																				OFF		
91985				216	45																				OFF		
91986				216	45																				OFF		
91987				216	45																				OFF		
91988	2	36	54	216	45																				OFF		
91989				216	45																				OFF		
91990				216	45																				OFF		
91991				216	45																	140			OFF		
91992	2	36	58	216	45																				OFF		
91993				216	45																				OFF		
91994				216	45																				OFF		
91995				216	45																				OFF		
91996	2	37	2	216	45																				OFF		
91997				216	45																				OFF		
91998				216	45																				OFF		
91999				216	45																12992				OFF		
92000	2	37	6	216	45																				OFF		
92001				216	45																				OFF		
92002				216	45																				OFF		
92003				216	45																			219.814	OFF		
92004	2	37	10	216	45																				OFF		
92005				216	45																				OFF		
92006				216	45																				OFF		
92007				216	45														306.035						OFF		
92008	2	37	14	216	45																				OFF		
92009				216	45																				OFF		
92010				216	45																				OFF		
92011				216	45																				OFF		
92012	2	37	18	216	45																				OFF		
92013				216	45																				OFF		
92014				216	45																				OFF		
92015				216	45															306.123					OFF		
92016	2	37	22	216	45																				OFF		
92017				216	45																				OFF		
92018				216	45																				OFF		
92019				216	45																		0.21		OFF		
92020	2	37	26	216	45																				OFF		
92021				216	45																				OFF		
92022				216	45																				OFF		
92023				216	45																				OFF		
92024	2	37	30	216	45																				OFF		
92025				216	45																				OFF		
92026				216	45																				OFF		
92027				216	45	WARN																			OFF		
92028	2	37	34	216	45	WARN																			OFF		
92029				216	45																				OFF		
92030				216	45																				OFF		
92031				216	45																				OFF		
92032	2	37	38	216	45																				OFF		
92033				216	45																				OFF		
92034				216	45																				OFF		
92035				216	45																				OFF		
92036	2	37	42	216	45																				OFF		
92037				216	45																				OFF		
92038				216	45																				OFF		
92039				216	45																				OFF		
92040	2	37	46	216	45																				OFF		
92041				216	45																				OFF		
92042				216	45																				OFF		
92043				216	45																				OFF		
92044	2	37	50	216	45																				OFF		
92045				216	45																				OFF		
92046				216	45																				OFF		
92047				216	45																				OFF		

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMP. AIRSPD (KNOTS)	MASTER CAUTION (0-WARN)	TO/GA FCC (0-. 1-ENGA)	L NAV ENGA FCC (1-ENGA)	NAV MODE SEL CAPT (1-SEL)	NAV MODE SEL F/O (1-SEL)	ALT HOLD FCC (1-ENGA)	A/T MIN SPEED (1-ENGA)	HDG SEFCC L (1-ENGA)	CMD A FCC (1-ENGA)	CMD B FCC (1-ENGA)	CWS A FCC (1-ENGA)	CWS B FCC (1-ENGA)	CWS ROLFCC L (1-ENGA)	SEL COURSE 1 (DEG)	SEL COURSE 2 (DEG)	SEL ALT FCC L (FEET)	SEL AIRSPD FCC L (KNOTS)	SEL MACH FCC L (MACH)	SEL HEADING FCC L (DEG)	A/P OFF FCC (1-OFF)	A/P WARN (0-WARN)	TRIM DN A/P (1-TRIM)
92048	2	37	54	216	45																				OFF		
92049				216	45																				OFF		
92050				216	45																				OFF		
92051				216	45																				OFF		
92052	2	37	58	216	45																				OFF		
92053				216	45																				OFF		
92054				216	45																				OFF		
92055				216	45																		140		OFF		
92056	2	38	2	216	45																				OFF		
92057				216	45																				OFF		
92058				216	45																				OFF		
92059				216	45																				OFF		
92060	2	38	6	216	45																				OFF		
92061				216	45																				OFF		
92062				212	45																				OFF		
92063				216	45																	12992			OFF		
92064	2	38	10	212	45																				OFF		
92065				212	45																				OFF		
92066				212	45																				OFF		
92067				212	45																				359.912	OFF		
92068	2	38	14	212	45																				OFF		
92069				212	45																				OFF		
92070				212	45																				OFF		
92071				212	45															359.912					OFF		
92072	2	38	18	212	45																				OFF		
92073				212	45																				OFF		
92074				212	45																				OFF		
92075				212	45																				OFF		
92076	2	38	22	212	45																				OFF		
92077				208	45																				OFF		
92078				208	45																				OFF		
92079				208	45																306.123				OFF		
92080	2	38	26	208	45																				OFF		
92081				208	45																				OFF		
92082				208	45																				OFF		
92083				208	45																			0.21		OFF		
92084	2	38	30	208	45																				OFF		
92085				208	45																				OFF		
92086				208	45																				OFF		
92087				208	45																				OFF		
92088	2	38	34	208	45																				OFF		
92089				208	45																				OFF		
92090				208	45																				OFF		
92091				208	45																				OFF		
92092	2	38	38	208	45																				OFF		
92093				208	45																				OFF		
92094				208	45																				OFF		
92095				208	45																				OFF		
92096	2	38	42	208	45																				OFF		
92097				208	45																				OFF		
92098				208	45																				OFF		
92099				208	45																				OFF		
92100	2	38	46	208	45																				OFF		
92101				208	45																				OFF		
92102				208	45																				OFF		
92103				204	45																				OFF		
92104	2	38	50	204	45																				OFF		
92105				204	45																				OFF		
92106				204	45																				OFF		
92107				204	45																				OFF		
92108	2	38	54	204	45																				OFF		
92109				204	45																				OFF		
92110				208	45																				OFF		
92111				204	45																				OFF		
92112	2	38	58	204	45																				OFF		
92113				204	45																				OFF		
92114				204	45																				OFF		
92115				204	45																				OFF		
92116	2	39	2	204	45																				OFF		
92117				204	45																				OFF		
92118				204	45																				OFF		
92119				204	45																		140		OFF		
92120	2	39	6	204	45																				OFF		
92121				204	45																				OFF		
92122				204	45																				OFF		
92123				204	45																				OFF		
92124	2	39	10	204	45																				OFF		
92125				204	45																				OFF		
92126				204	45																				OFF		
92127				204	45																	14000			OFF		
92128	2	39	14	204	45																				OFF		
92129				204	45																				OFF		
92130				200	45																				OFF		
92131				204	45																				219.814	OFF		
92132	2	39	18	200	45																				OFF		
92133				200	45																				OFF		
92134				200	45																				OFF		
92135				200	45															306.035					OFF		
92136	2	39	22	200	45																				OFF		
92137				200	45																				OFF		
92138				200	45																				OFF		
92139				200	45																				OFF		
92140	2	39	26	200	45																				OFF		
92141				200	45																				OFF		
92142				200	45																				OFF		

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMP. AIRSPD	MASTER CAUTION	TO/GA FCC	L NAV ENGA FCC	NAV MODE SEL CAPT	NAV MODE SEL F/O	ALT HOLD FCC	A/T MIN SPEED	HDG SEFCC L	CMD A FCC	CMD B FCC	CWS A FCC	CWS B FCC	CWS ROLFCC L	SEL COURSE 1	SEL COURSE 2	SEL ALT FCC L	SEL AIRSPD FCC L	SEL MACH FCC L	SEL HEADING FCC L	A/P OFF FCC	A/P WARN	TRIM DN A/P
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(0-WARN)	(0-. 1-ENGA)	(1-ENGA)	(1-SEL)	(1-SEL)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(DEG)	(DEG)	(FEET)	(KNOTS)	(MACH)	(DEG)	(1-OFF)	(0-WARN)	(1-TRIM)
92143				196	45															306.123					OFF		
92144	2	39	30	196	45																				OFF		
92145				196	45																				OFF		
92146				196	45																				OFF		
92147				196	45																		0.21		OFF		
92148	2	39	34	196	45																				OFF		
92149				196	45																				OFF		
92150				196	45																				OFF		
92151				196	45																				OFF		
92152	2	39	38	196	45																				OFF		
92153				196	45																				OFF		
92154				196	45																				OFF		
92155				192	45																				OFF		
92156	2	39	42	192	45																				OFF		
92157				196	45																				OFF		
92158				192	45																				OFF		
92159				192	45																				OFF		
92160	2	39	46	192	45																				OFF		
92161				192	45																				OFF		
92162				192	45																				OFF		
92163				192	45																				OFF		
92164	2	39	50	192	45																				OFF		
92165				192	45																				OFF		
92166				192	45																				OFF		
92167				192	45																				OFF		
92168	2	39	54	192	45																				OFF		
92169				192	45																				OFF		
92170				192	45																				OFF		
92171				192	45																				OFF		
92172	2	39	58	192	45																				OFF		
92173				192	45																				OFF		
92174				192	45																				OFF		
92175				192	45																				OFF		
92176	2	40	2	192	45																				OFF		
92177				192	45																				OFF		
92178				192	45																				OFF		
92179				192	45																				OFF		
92180	2	40	6	192	45																				OFF		
92181				188	45																				OFF		
92182				192	45																				OFF		
92183				192	45																	140			OFF		
92184	2	40	10	192	45																				OFF		
92185				188	45																				OFF		
92186				192	45																				OFF		
92187				192	45																				OFF		
92188	2	40	14	188	45																				OFF		
92189				192	45																				OFF		
92190				188	45																				OFF		
92191				188	45																14000				OFF		
92192	2	40	18	188	45																				OFF		
92193				188	45																				OFF		
92194				188	45																				OFF		
92195				188	45																			359.912	OFF		
92196	2	40	22	188	45																				OFF		
92197				188	45																				OFF		
92198				188	45																				OFF		
92199				188	45														359.912						OFF		
92200	2	40	26	188	45																				OFF		
92201				188	45																				OFF		
92202				188	45																				OFF		
92203				188	45																				OFF		
92204	2	40	30	188	45																				OFF		
92205				188	45																				OFF		
92206				188	45																				OFF		
92207				188	45															306.123					OFF		
92208	2	40	34	188	45																				OFF		
92209				188	45																				OFF		
92210				188	45																				OFF		
92211				188	45																		0.21		OFF		
92212	2	40	38	188	45																				OFF		
92213				188	45																				OFF		
92214				188	45																				OFF		
92215				184	45																				OFF		
92216	2	40	42	188	45																				OFF		
92217				188	45																				OFF		
92218				188	45																				OFF		
92219				188	45																				OFF		
92220	2	40	46	188	45																				OFF		
92221				188	45																				OFF		
92222				184	45																				OFF		
92223				188	45																				OFF		
92224	2	40	50	188	45																				OFF		
92225				184	45																				OFF		
92226				184	45																				OFF		
92227				184	45																				OFF		
92228	2	40	54	184	45																				OFF		
92229				184	45																				OFF		
92230				184	45																				OFF		
92231				184	45																				OFF		
92232	2	40	58	184	45																				OFF		
92233				184	45																				OFF		
92234				184	45																				OFF		
92235				184	45																				OFF		
92236	2	41	2	184	45																				OFF		
92237				184	45																				OFF		

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMP. AIRSPD	MASTER CAUTION	TO/GA FCC	L NAV ENGA FCC	NAV MODE SEL CAPT	NAV MODE SEL F/O	ALT HOLD FCC	A/T MIN SPEED	HDG SEFCC L	CMD A FCC	CMD B FCC	CWS A FCC	CWS B FCC	CWS ROLFCC L	SEL COURSE 1	SEL COURSE 2	SEL ALT FCC L	SEL AIRSPD FCC L	SEL MACH FCC L	SEL HEADING FCC L	A/P OFF FCC	A/P WARN	TRIM DN A/P
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(0-WARN)	(0-. 1-ENGA)	(1-ENGA)	(1-SEL)	(1-SEL)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(DEG)	(DEG)	(FEET)	(KNOTS)	(MACH)	(DEG)	(1-OFF)	(0-WARN)	(1-TRIM)
92238				184	45																				OFF		
92239				184	45																				OFF		
92240	2	41	6	184	45																				OFF		
92241				184	45																				OFF		
92242				184	45																				OFF		
92243				184	45																				OFF		
92244	2	41	10	184	45																				OFF		
92245				184	45																				OFF		
92246				184	45																				OFF		
92247				184	45																	140			OFF		
92248	2	41	14	184	45																				OFF		
92249				184	45																				OFF		
92250				184	45																				OFF		
92251				184	45																				OFF		
92252	2	41	18	184	45																				OFF		
92253				184	45																				OFF		
92254				184	45																				OFF		
92255				184	45																14000				OFF		
92256	2	41	22	184	45																				OFF		
92257				184	45																				OFF		
92258				184	45																				OFF		
92259				180	45																			219.814	OFF		
92260	2	41	26	180	45																				OFF		
92261				180	45																				OFF		
92262				180	45																				OFF		
92263				180	45														306.035						OFF		
92264	2	41	30	180	45																				OFF		
92265				180	45																				OFF		
92266				180	45																				OFF		
92267				180	45																				OFF		
92268	2	41	34	180	45																				OFF		
92269				180	45																				OFF		
92270				180	45																				OFF		
92271				180	45															306.123					OFF		
92272	2	41	38	180	45																				OFF		
92273				180	45																				OFF		
92274				180	45																				OFF		
92275				180	45																		0.21		OFF		
92276	2	41	42	180	45																				OFF		
92277				180	45																				OFF		
92278				180	45																				OFF		
92279				180	45																				OFF		
92280	2	41	46	180	45																				OFF		
92281				180	45																				OFF		
92282				180	45																				OFF		
92283				180	45																				OFF		
92284	2	41	50	180	45																				OFF		
92285				180	45																				OFF		
92286				180	45																				OFF		
92287				180	45																				OFF		
92288	2	41	54	180	45																				OFF		
92289				180	45																				OFF		
92290				180	45																				OFF		
92291				184	45																				OFF		
92292	2	41	58	180	45																				OFF		
92293				184	45																				OFF		
92294				184	45																				OFF		
92295				184	45																				OFF		
92296	2	42	2	188	45		ENGA																		OFF		
92297				188	45		ENGA																		OFF		
92298				188	45																				OFF		
92299				188	45																				OFF		
92300	2	42	6	192	45																				OFF		
92301				192	45.5																				OFF		
92302				192	49.5																				OFF		
92303				196	56																				OFF		
92304	2	42	10	196	61																				OFF		
92305				196	65																				OFF		
92306				196	70																				OFF		
92307				200	75.5																				OFF		
92308	2	42	14	200	78.5																				OFF		
92309				200	83.5																				OFF		
92310				200	89																				OFF		
92311				200	93																	140			OFF		
92312	2	42	18	200	97.5																				OFF		
92313				204	101																				OFF		
92314				204	106.5																				OFF		
92315				204	109.5																				OFF		
92316	2	42	22	204	115.5																				OFF		
92317				204	119.5																				OFF		
92318				204	123.5																				OFF		
92319				208	127.5																14000				OFF		
92320	2	42	26	208	131.5																				OFF		
92321				208	135.5																				OFF		
92322				208	139																				OFF		
92323				204	142.5																			359.912	OFF		
92324	2	42	30	204	146																				OFF		
92325				196	150																				OFF		
92326				192	152																				OFF		
92327				192	155.5														359.912						OFF		
92328	2	42	34	196	159																				OFF		
92329				208	162																				OFF		
92330				220	165.5																				OFF		
92331				240	167.5																				OFF		
92332	2	42	38	268	169.5																				OFF		

Time	GMT HOURS	GMT MINUTES	GMT SECONDS	ALTITUDE (29 92)	COMP. AIRSPD	MASTER CAUTION	TO/GA FCC	L NAV ENGA FCC	NAV MODE SEL CAPT	NAV MODE SEL F/O	ALT HOLD FCC	A/T MIN SPEED	HDG SEFCC L	CMD A FCC	CMD B FCC	CWS A FCC	CWS B FCC	CWS ROLFCC L	SEL COURSE 1	SEL COURSE 2	SEL ALT FCC L	SEL AIRSPD FCC L	SEL MACH FCC L	SEL HEADING FCC L	A/P OFF FCC	A/P WARN	TRIM DN A/P
(seconds)	(HOURS)	(MINUTES)	(SECONDS)	(FEET)	(KNOTS)	(0-WARN)	(0-. 1-ENGA)	(1-ENGA)	(1-SEL)	(1-SEL)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(1-ENGA)	(DEG)	(DEG)	(FEET)	(KNOTS)	(MACH)	(DEG)	(1-OFF)	(0-WARN)	(1-TRIM)
92333				300	171.5																				OFF		
92334				328	172																				OFF		
92335				364	173															306.123					OFF		
92336	2	42	42	400	174																				OFF		
92337				440	174.5																				OFF		
92338				480	176																				OFF		
92339				512	176.5																		0.21		OFF		
92340	2	42	46	548	177																				OFF		
92341				584	178								ENGA												OFF		
92342				616	178.5								ENGA												OFF		
92343				652	179								ENGA												OFF		
92344	2	42	50	688	178.5								ENGA												OFF		
92345				720	179.5								ENGA												OFF		
92346				756	179.5								ENGA												OFF		
92347				792	180								ENGA												OFF		
92348	2	42	54	832	180								ENGA												OFF		
92349				868	181								ENGA												OFF		
92350				904	180.5								ENGA												OFF		
92351				940	181.5								ENGA												OFF		
92352	2	42	58	976	181								ENGA												OFF		
92353				1016	181.5								ENGA												OFF		
92354				1052	181.5								ENGA												OFF		
92355				1096	183								ENGA												OFF		
92356	2	43	2	1136	183								ENGA												OFF		
92357				1180	184								ENGA												OFF		
92358				1220	184								ENGA												OFF		
92359				1268	184								ENGA												OFF		
92360	2	43	6	1312	184								ENGA												OFF		
92361				1352	183								ENGA												OFF		
92362				1396	184								ENGA												OFF		
92363				1440	184								ENGA												OFF		
92364	2	43	10	1484	183.5								ENGA												OFF		
92365				1528	183								ENGA												OFF		
92366				1576	183.5								ENGA												OFF		
92367				1624	183								ENGA												OFF		
92368	2	43	14	1668	182.5								ENGA												OFF		
92369				1708	183								ENGA												OFF		
92370				1748	183.5								ENGA												OFF		
92371				1784	184.5								ENGA												OFF		
92372	2	43	18	1816	185.5								ENGA												OFF		
92373				1844	186.5								ENGA												OFF		
92374				1868	187.5								ENGA												OFF		
92375				1892	188.5								ENGA									219			OFF		
92376	2	43	22	1912	190								ENGA												OFF		
92377				1932	191.5								ENGA												OFF		
92378				1948	193								ENGA												OFF		
92379				1964	194.5								ENGA												OFF		
92380	2	43	26	1980	196.5								ENGA												OFF		
92381				2000	198.5								ENGA												OFF		
92382				2020	200.5								ENGA												OFF		
92383				2040	202								ENGA								14000				OFF		
92384	2	43	30	2064	203.5								ENGA												OFF		
92385				2084	205								ENGA												OFF		
92386				2112	206								ENGA												OFF		
92387				2136	207.5								ENGA											106.875	OFF		
92388	2	43	34	2168	208.5								ENGA												OFF		
92389				2196	209								ENGA												OFF		
92390				2224	210.5								ENGA												OFF		
92391				2252	212								ENGA						306.035						OFF		
92392	2	43	38	2284	213.5								ENGA												OFF		
92393				2320	214.5								ENGA												OFF		
92394				2352	215.5								ENGA												OFF		
92395				2392	215.5								ENGA												OFF		
92396	2	43	42	2432	216								ENGA												OFF		
92397				2472	216.5								ENGA												OFF		
92398				2520	216.5								ENGA												OFF		
92399				2572	217								ENGA							306.123					OFF		
92400	2	43	46	2624	216.5								ENGA												OFF		
92401				2676	216.5								ENGA												OFF		
92402				2728	216								ENGA												OFF		
92403				2784	216.5								ENGA										0.35		OFF		
92404	2	43	50	2840	217								ENGA												OFF		
92405				2892	217								ENGA												OFF		
92406				2948	216.5								ENGA												OFF		
92407				3004	216.5								ENGA												OFF		
92408	2	43	54	3064	216								ENGA												OFF		
92409				3124	216								ENGA												OFF		
92410				3188	214.5								ENGA												OFF		
92411				3252	214								ENGA												OFF		
92412	2	43	58	3320	213.5								ENGA												OFF		
92413				3392	212								ENGA	ENGA				ENGA							ON		
92414				3468	209.5									ENGA				ENGA							ON		
92415				3544	209.5									ENGA				ENGA							ON		
92416	2	44	2	3624	207																				OFF		
92417				3712	206																				OFF	WARN	
92418				3796	204.5																				OFF		
92419				3880	203																				OFF		
92420	2	44	6	3964	201																				OFF		
92421				4056	199																				OFF		
92422				4136	196.5								ENGA												OFF		
92423				4220	194.5								ENGA												OFF		
92424	2	44	10	4308	195								ENGA												OFF		
92425				4388	192								ENGA												OFF		
92426				4460	190								ENGA												OFF		
92427				4532	190								ENGA												OFF		

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMP. AIRSPD (KNOTS)	MASTER CAUTION (0-WARN)	TO/GA FCC (0-. 1-ENGA)	L NAV ENGA FCC (1-ENGA)	NAV MODE SEL CAPT (1-SEL)	NAV MODE SEL F/O (1-SEL)	ALT HOLD FCC (1-ENGA)	A/T MIN SPEED (1-ENGA)	HDG SEFCC L (1-ENGA)	CMD A FCC (1-ENGA)	CMD B FCC (1-ENGA)	CWS A FCC (1-ENGA)	CWS B FCC (1-ENGA)	CWS ROLFCC L (1-ENGA)	SEL COURSE 1 (DEG)	SEL COURSE 2 (DEG)	SEL ALT FCC L (FEET)	SEL AIRSPD FCC L (KNOTS)	SEL MACH FCC L (MACH)	SEL HEADING FCC L (DEG)	A/P OFF FCC (1-OFF)	A/P WARN (0-WARN)	TRIM DN A/P (1-TRIM)
92428	2	44	14	4600	188.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92429				4660	188	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92430				4720	187.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92431				4772	187	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92432	2	44	18	4824	186.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92433				4876	186	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92434				4920	185.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92435				4968	185.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92436	2	44	22	5008	185	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92437				5044	184.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92438				5076	185.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92439				5112	186	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	220	.	OFF	.	.
92440	2	44	26	5144	186.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92441				5172	186	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92442				5204	186.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92443				5232	187	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92444	2	44	30	5260	187.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92445				5288	188.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92446				5320	189	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92447				5344	189.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	14000	.	.	OFF	.	.
92448	2	44	34	5372	191	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92449				5396	192	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92450				5420	193.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92451				5436	195	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	84.9023	OFF	.	.
92452	2	44	38	5452	196.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92453				5460	198.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92454				5464	200.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92455				5468	202.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	306.035	.	.	.	.	OFF	.	.
92456	2	44	42	5460	205.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92457				5452	207.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92458				5432	209.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92459				5408	212	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92460	2	44	46	5380	215	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92461				5332	218.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92462				5276	222	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92463				5204	225.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	306.123	.	.	.	OFF	.	.
92464	2	44	50	5096	230.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92465				4972	236.5	WARN	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92466				4816	244.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92467				4628	254	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	0.36	OFF	.	.
92468	2	44	54	4388	264.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92469				4124	275.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92470				3820	289.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92471				3508	306.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92472	2	44	58	3068	317.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92473				2640	334	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92474				2216	352	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92475				1748	368.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92476	2	45	2	1320	382.5	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92477				904	395	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92478				524	410	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.
92479				180	416	.	.	.	.	.	.	.	ENGA	.	.	.	.	.	.	.	.	.	.	.	OFF	.	.

 # Flash A
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Time (seconds)	TRIM UP A/P (1-TRIM)
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Time (seconds)	TRIM UP A/P (1-TRIM)
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Time (seconds)	TRIM UP A/P (1-TRIM)
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Time (seconds)	TRIM UP A/P (1-TRIM)
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Time (seconds)	TRIM UP A/P (1-TRIM)
92238	.
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Time (seconds)	TRIM UP A/P (1-TRIM)
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Time (seconds)	TRIM UP A/P (1-TRIM)
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 # Flash Air B737-300 Accident
 # Preliminary Data Created: January 20 2004
 # MCA

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
91864	2	34	50	216	45										
91865				216	45										
91866				216	45										
91867				216	45										
91868	2	34	54	216	45			0							
91869				216	45										
91870				216	45										
91871				216	45										
91872	2	34	58	216	45					0					
91873				216	45										
91874				216	45										
91875				216	45										
91876	2	35	2	216	45										
91877				216	45										
91878				216	45										
91879				216	45										
91880	2	35	6	216	45		0.26								
91881				216	45										
91882				216	45										
91883				216	45										
91884	2	35	10	216	45				0.44						
91885				216	45										
91886				216	45										
91887				216	45										
91888	2	35	14	216	45						0.12				
91889				216	45										
91890				216	45										
91891				216	45										
91892	2	35	18	216	45										
91893				216	45										
91894				216	45										
91895				216	45										
91896	2	35	22	216	45							0			
91897				216	45										
91898				216	45										
91899				216	45										
91900	2	35	26	216	45									0	
91901				216	45										
91902				216	45										
91903				216	45										
91904	2	35	30	216	45								0		

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
91905				216	45										
91906				216	45										
91907				216	45										
91908	2	35	34	216	45										2
91909				216	45										
91910				216	45										
91911				216	45										
91912	2	35	38	216	45										
91913				216	45										
91914				216	45										
91915				216	45										
91916	2	35	42	216	45										
91917				216	45										
91918				216	45										
91919				216	45										
91920	2	35	46	216	45										
91921				216	45										
91922				216	45										
91923				216	45										
91924	2	35	50	216	45										
91925				216	45										
91926				216	45										
91927				216	45										
91928	2	35	54	216	45	0.36									
91929				216	45										
91930				216	45										
91931				216	45										
91932	2	35	58	216	45			3.2							
91933				216	45										
91934				216	45										
91935				216	45										
91936	2	36	2	216	45					0.74					
91937				216	45										
91938				216	45										
91939				216	45										
91940	2	36	6	216	45										
91941				216	45										
91942				216	45										
91943				216	45										
91944	2	36	10	216	45		0.3								
91945				216	45										
91946				216	45										
91947				216	45										
91948	2	36	14	216	45				0.22						
91949				216	45										
91950				216	45										
91951				216	45										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
91952	2	36	18	216	45						0.08				
91953				216	45										
91954				216	45										
91955				216	45										
91956	2	36	22	216	45										
91957				216	45										
91958				216	45										
91959				216	45										
91960	2	36	26	216	45							0			
91961				216	45										
91962				216	45										
91963				216	45										
91964	2	36	30	216	45									0	
91965				216	45										
91966				216	45										
91967				216	45										
91968	2	36	34	216	45								0		
91969				216	45										
91970				216	45										
91971				216	45										
91972	2	36	38	216	45										2
91973				216	45										
91974				216	45										
91975				216	45										
91976	2	36	42	216	45										
91977				216	45										
91978				216	45										
91979				216	45										
91980	2	36	46	216	45										
91981				216	45										
91982				216	45										
91983				216	45										
91984	2	36	50	216	45										
91985				216	45										
91986				216	45										
91987				216	45										
91988	2	36	54	216	45										
91989				216	45										
91990				216	45										
91991				216	45										
91992	2	36	58	216	45	0.06									
91993				216	45										
91994				216	45										
91995				216	45										
91996	2	37	2	216	45			0.3							
91997				216	45										
91998				216	45										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
91999				216	45										
92000	2	37	6	216	45					0.1					
92001				216	45										
92002				216	45										
92003				216	45										
92004	2	37	10	216	45										
92005				216	45										
92006				216	45										
92007				216	45										
92008	2	37	14	216	45		0.32								
92009				216	45										
92010				216	45										
92011				216	45										
92012	2	37	18	216	45				0.38						
92013				216	45										
92014				216	45										
92015				216	45										
92016	2	37	22	216	45						0.1				
92017				216	45										
92018				216	45										
92019				216	45										
92020	2	37	26	216	45										
92021				216	45										
92022				216	45										
92023				216	45										
92024	2	37	30	216	45							100			
92025				216	45										
92026				216	45										
92027				216	45										
92028	2	37	34	216	45									0	
92029				216	45										
92030				216	45										
92031				216	45										
92032	2	37	38	216	45								0		
92033				216	45										
92034				216	45										
92035				216	45										
92036	2	37	42	216	45										2
92037				216	45										
92038				216	45										
92039				216	45										
92040	2	37	46	216	45										
92041				216	45										
92042				216	45										
92043				216	45										
92044	2	37	50	216	45										
92045				216	45										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92046				216	45										
92047				216	45										
92048	2	37	54	216	45										
92049				216	45										
92050				216	45										
92051				216	45										
92052	2	37	58	216	45										
92053				216	45										
92054				216	45										
92055				216	45										
92056	2	38	2	216	45	0.04									
92057				216	45										
92058				216	45										
92059				216	45										
92060	2	38	6	216	45			0.12							
92061				216	45										
92062				212	45										
92063				216	45										
92064	2	38	10	212	45					0.04					
92065				212	45										
92066				212	45										
92067				212	45										
92068	2	38	14	212	45										
92069				212	45										
92070				212	45										
92071				212	45										
92072	2	38	18	212	45		0.38								
92073				212	45										
92074				212	45										
92075				212	45										
92076	2	38	22	212	45				0.24						
92077				208	45										
92078				208	45										
92079				208	45										
92080	2	38	26	208	45						0.14				
92081				208	45										
92082				208	45										
92083				208	45										
92084	2	38	30	208	45										
92085				208	45										
92086				208	45										
92087				208	45										
92088	2	38	34	208	45							0			
92089				208	45										
92090				208	45										
92091				208	45										
92092	2	38	38	208	45									0	

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92093				208	45										
92094				208	45										
92095				208	45										
92096	2	38	42	208	45								0		
92097				208	45										
92098				208	45										
92099				208	45										
92100	2	38	46	208	45										2
92101				208	45										
92102				208	45										
92103				204	45										
92104	2	38	50	204	45										
92105				204	45										
92106				204	45										
92107				204	45										
92108	2	38	54	204	45										
92109				204	45										
92110				208	45										
92111				204	45										
92112	2	38	58	204	45										
92113				204	45										
92114				204	45										
92115				204	45										
92116	2	39	2	204	45										
92117				204	45										
92118				204	45										
92119				204	45										
92120	2	39	6	204	45	0.06									
92121				204	45										
92122				204	45										
92123				204	45										
92124	2	39	10	204	45			0.12							
92125				204	45										
92126				204	45										
92127				204	45										
92128	2	39	14	204	45					0.06					
92129				204	45										
92130				200	45										
92131				204	45										
92132	2	39	18	200	45										
92133				200	45										
92134				200	45										
92135				200	45										
92136	2	39	22	200	45		0.32								
92137				200	45										
92138				200	45										
92139				200	45										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92140	2	39	26	200	45				0.16						
92141				200	45										
92142				200	45										
92143				196	45										
92144	2	39	30	196	45						0.1				
92145				196	45										
92146				196	45										
92147				196	45										
92148	2	39	34	196	45										
92149				196	45										
92150				196	45										
92151				196	45										
92152	2	39	38	196	45							0			
92153				196	45										
92154				196	45										
92155				192	45										
92156	2	39	42	192	45									0	
92157				196	45										
92158				192	45										
92159				192	45										
92160	2	39	46	192	45								0		
92161				192	45										
92162				192	45										
92163				192	45										
92164	2	39	50	192	45										2
92165				192	45										
92166				192	45										
92167				192	45										
92168	2	39	54	192	45										
92169				192	45										
92170				192	45										
92171				192	45										
92172	2	39	58	192	45										
92173				192	45										
92174				192	45										
92175				192	45										
92176	2	40	2	192	45										
92177				192	45										
92178				192	45										
92179				192	45										
92180	2	40	6	192	45										
92181				188	45										
92182				192	45										
92183				192	45										
92184	2	40	10	192	45	0.04									
92185				188	45										
92186				192	45										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92187				192	45										
92188	2	40	14	188	45			0.14							
92189				192	45										
92190				188	45										
92191				188	45										
92192	2	40	18	188	45					0.1					
92193				188	45										
92194				188	45										
92195				188	45										
92196	2	40	22	188	45										
92197				188	45										
92198				188	45										
92199				188	45										
92200	2	40	26	188	45		0.24								
92201				188	45										
92202				188	45										
92203				188	45										
92204	2	40	30	188	45				0.28						
92205				188	45										
92206				188	45										
92207				188	45										
92208	2	40	34	188	45						0.1				
92209				188	45										
92210				188	45										
92211				188	45										
92212	2	40	38	188	45										
92213				188	45										
92214				188	45										
92215				184	45										
92216	2	40	42	188	45							0			
92217				188	45										
92218				188	45										
92219				188	45										
92220	2	40	46	188	45									0	
92221				188	45										
92222				184	45										
92223				188	45										
92224	2	40	50	188	45								0		
92225				184	45										
92226				184	45										
92227				184	45										
92228	2	40	54	184	45										0
92229				184	45										
92230				184	45										
92231				184	45										
92232	2	40	58	184	45										
92233				184	45										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92234				184	45										
92235				184	45										
92236	2	41	2	184	45										
92237				184	45										
92238				184	45										
92239				184	45										
92240	2	41	6	184	45										
92241				184	45										
92242				184	45										
92243				184	45										
92244	2	41	10	184	45										
92245				184	45										
92246				184	45										
92247				184	45										
92248	2	41	14	184	45	0.04									
92249				184	45										
92250				184	45										
92251				184	45										
92252	2	41	18	184	45			0.12							
92253				184	45										
92254				184	45										
92255				184	45										
92256	2	41	22	184	45					0.1					
92257				184	45										
92258				184	45										
92259				180	45										
92260	2	41	26	180	45										
92261				180	45										
92262				180	45										
92263				180	45										
92264	2	41	30	180	45		0.24								
92265				180	45										
92266				180	45										
92267				180	45										
92268	2	41	34	180	45				0.16						
92269				180	45										
92270				180	45										
92271				180	45										
92272	2	41	38	180	45						0.1				
92273				180	45										
92274				180	45										
92275				180	45										
92276	2	41	42	180	45										
92277				180	45										
92278				180	45										
92279				180	45										
92280	2	41	46	180	45							0			

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92281				180	45										
92282				180	45										
92283				180	45										
92284	2	41	50	180	45									0	
92285				180	45										
92286				180	45										
92287				180	45										
92288	2	41	54	180	45								0		
92289				180	45										
92290				180	45										
92291				184	45										
92292	2	41	58	180	45										0
92293				184	45										
92294				184	45										
92295				184	45										
92296	2	42	2	188	45										
92297				188	45										
92298				188	45										
92299				188	45										
92300	2	42	6	192	45										
92301				192	45.5										
92302				192	49.5										
92303				196	56										
92304	2	42	10	196	61										
92305				196	65										
92306				196	70										
92307				200	75.5										
92308	2	42	14	200	78.5										
92309				200	83.5										
92310				200	89										
92311				200	93										
92312	2	42	18	200	97.5	0.18									
92313				204	101										
92314				204	106.5										
92315				204	109.5										
92316	2	42	22	204	115.5			1.16							
92317				204	119.5										
92318				204	123.5										
92319				208	127.5										
92320	2	42	26	208	131.5					0.42					
92321				208	135.5										
92322				208	139										
92323				204	142.5										
92324	2	42	30	204	146										
92325				196	150										
92326				192	152										
92327				192	155.5										

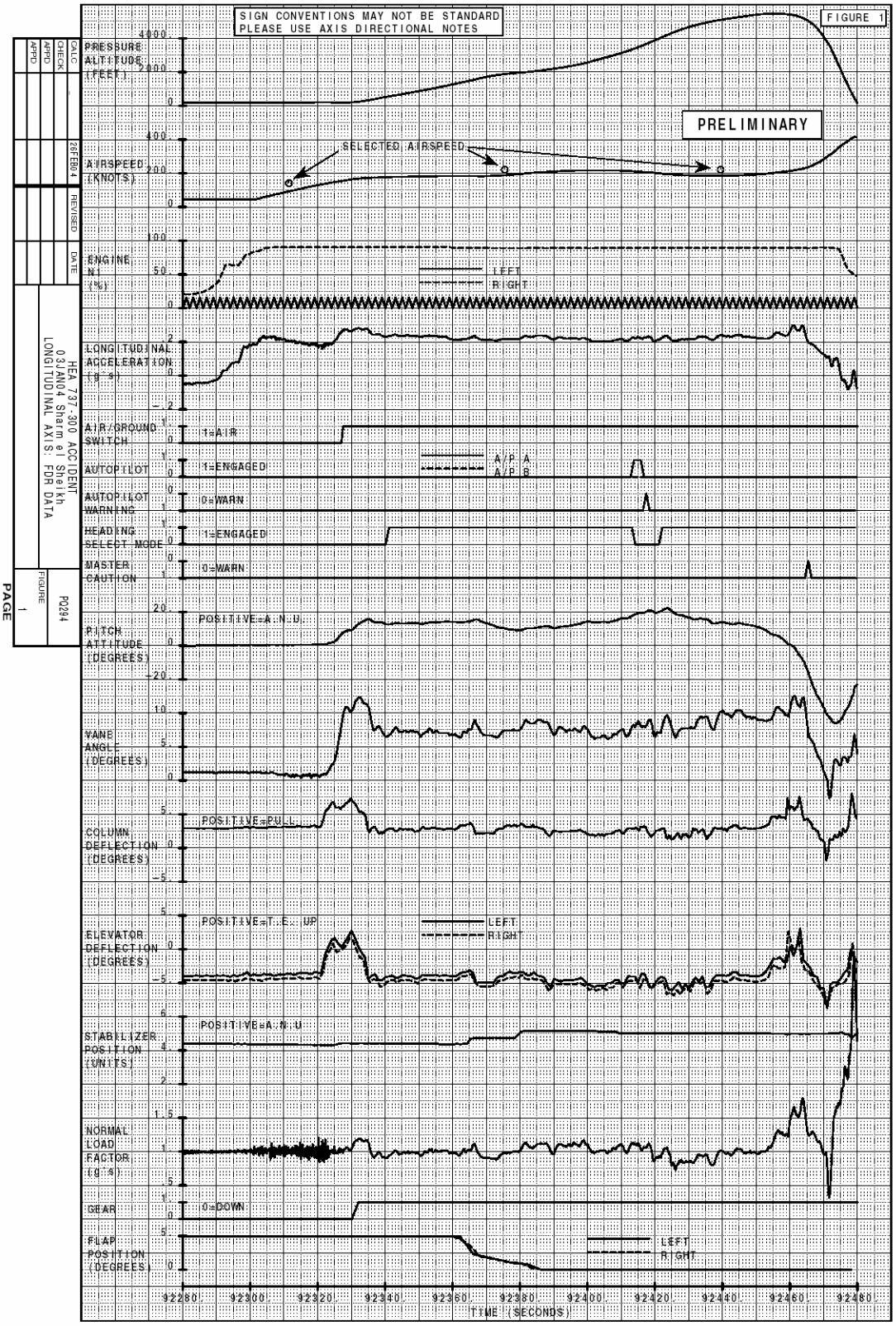
Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92328	2	42	34	196	159		0.44								
92329				208	162										
92330				220	165.5										
92331				240	167.5										
92332	2	42	38	268	169.5				0.96						
92333				300	171.5										
92334				328	172										
92335				364	173										
92336	2	42	42	400	174						0.68				
92337				440	174.5										
92338				480	176										
92339				512	176.5										
92340	2	42	46	548	177										
92341				584	178										
92342				616	178.5										
92343				652	179										
92344	2	42	50	688	178.5							84			
92345				720	179.5										
92346				756	179.5										
92347				792	180										
92348	2	42	54	832	180									318	
92349				868	181										
92350				904	180.5										
92351				940	181.5										
92352	2	42	58	976	181								266		
92353				1016	181.5										
92354				1052	181.5										
92355				1096	183										
92356	2	43	2	1136	183										4
92357				1180	184										
92358				1220	184										
92359				1268	184										
92360	2	43	6	1312	184										
92361				1352	183										
92362				1396	184										
92363				1440	184										
92364	2	43	10	1484	183.5										
92365				1528	183										
92366				1576	183.5										
92367				1624	183										
92368	2	43	14	1668	182.5										
92369				1708	183										
92370				1748	183.5										
92371				1784	184.5										
92372	2	43	18	1816	185.5										
92373				1844	186.5										
92374				1868	187.5										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92375				1892	188.5										
92376	2	43	22	1912	190	0.18									
92377				1932	191.5										
92378				1948	193										
92379				1964	194.5										
92380	2	43	26	1980	196.5			0.24							
92381				2000	198.5										
92382				2020	200.5										
92383				2040	202										
92384	2	43	30	2064	203.5					0.5					
92385				2084	205										
92386				2112	206										
92387				2136	207.5										
92388	2	43	34	2168	208.5										
92389				2196	209										
92390				2224	210.5										
92391				2252	212										
92392	2	43	38	2284	213.5		0.64								
92393				2320	214.5										
92394				2352	215.5										
92395				2392	215.5										
92396	2	43	42	2432	216				1						
92397				2472	216.5										
92398				2520	216.5										
92399				2572	217										
92400	2	43	46	2624	216.5						0.58				
92401				2676	216.5										
92402				2728	216										
92403				2784	216.5										
92404	2	43	50	2840	217										
92405				2892	217										
92406				2948	216.5										
92407				3004	216.5										
92408	2	43	54	3064	216							42			
92409				3124	216										
92410				3188	214.5										
92411				3252	214										
92412	2	43	58	3320	213.5									306	
92413				3392	212										
92414				3468	209.5										
92415				3544	209.5										
92416	2	44	2	3624	207								274		
92417				3712	206										
92418				3796	204.5										
92419				3880	203										
92420	2	44	6	3964	201										10
92421				4056	199										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92422				4136	196.5										
92423				4220	194.5										
92424	2	44	10	4308	195										
92425				4388	192										
92426				4460	190										
92427				4532	190										
92428	2	44	14	4600	188.5										
92429				4660	188										
92430				4720	187.5										
92431				4772	187										
92432	2	44	18	4824	186.5										
92433				4876	186										
92434				4920	185.5										
92435				4968	185.5										
92436	2	44	22	5008	185										
92437				5044	184.5										
92438				5076	185.5										
92439				5112	186										
92440	2	44	26	5144	186.5	0.24									
92441				5172	186										
92442				5204	186.5										
92443				5232	187										
92444	2	44	30	5260	187.5			0.62							
92445				5288	188.5										
92446				5320	189										
92447				5344	189.5										
92448	2	44	34	5372	191					0.9					
92449				5396	192										
92450				5420	193.5										
92451				5436	195										
92452	2	44	38	5452	196.5										
92453				5460	198.5										
92454				5464	200.5										
92455				5468	202.5										
92456	2	44	42	5460	205.5		0.7								
92457				5452	207.5										
92458				5432	209.5										
92459				5408	212										
92460	2	44	46	5380	215				0.92						
92461				5332	218.5										
92462				5276	222										
92463				5204	225.5										
92464	2	44	50	5096	230.5						0.58				
92465				4972	236.5										
92466				4816	244.5										
92467				4628	254										
92468	2	44	54	4388	264.5										

Time (seconds)	GMT HOURS (HOURS)	GMT MINUTES (MINUTES)	GMT SECONDS (SECONDS)	ALTITUDE (29 92) (FEET)	COMPUTED AIRSPD (KNOTS)	CN1 TRACKED VIB L (SCALAR)	CN1 TRACKED VIB R (SCALAR)	CN2 TRACKED VIB L (SCALAR)	CN2 TRACKED VIB R (SCALAR)	TN1 TRACKED VIB L (SCALAR)	TN1 TRACKED VIB R (SCALAR)	FAN IMB ANGLE L (DEG)	FAN IMB ANGLE R (DEG)	LPT IMB ANGLE L (DEG)	LPT IMB ANGLE R (DEG)
92469				4124	275.5										
92470				3820	289.5										
92471				3508	306.5										
92472	2	44	58	3068	317.5							166			
92473				2640	334										
92474				2216	352										
92475				1748	368.5										
92476	2	45	2	1320	382.5									334	
92477				904	395										
92478				524	410										
92479				180	416										
92480															

Attachment 2, FDR Plots

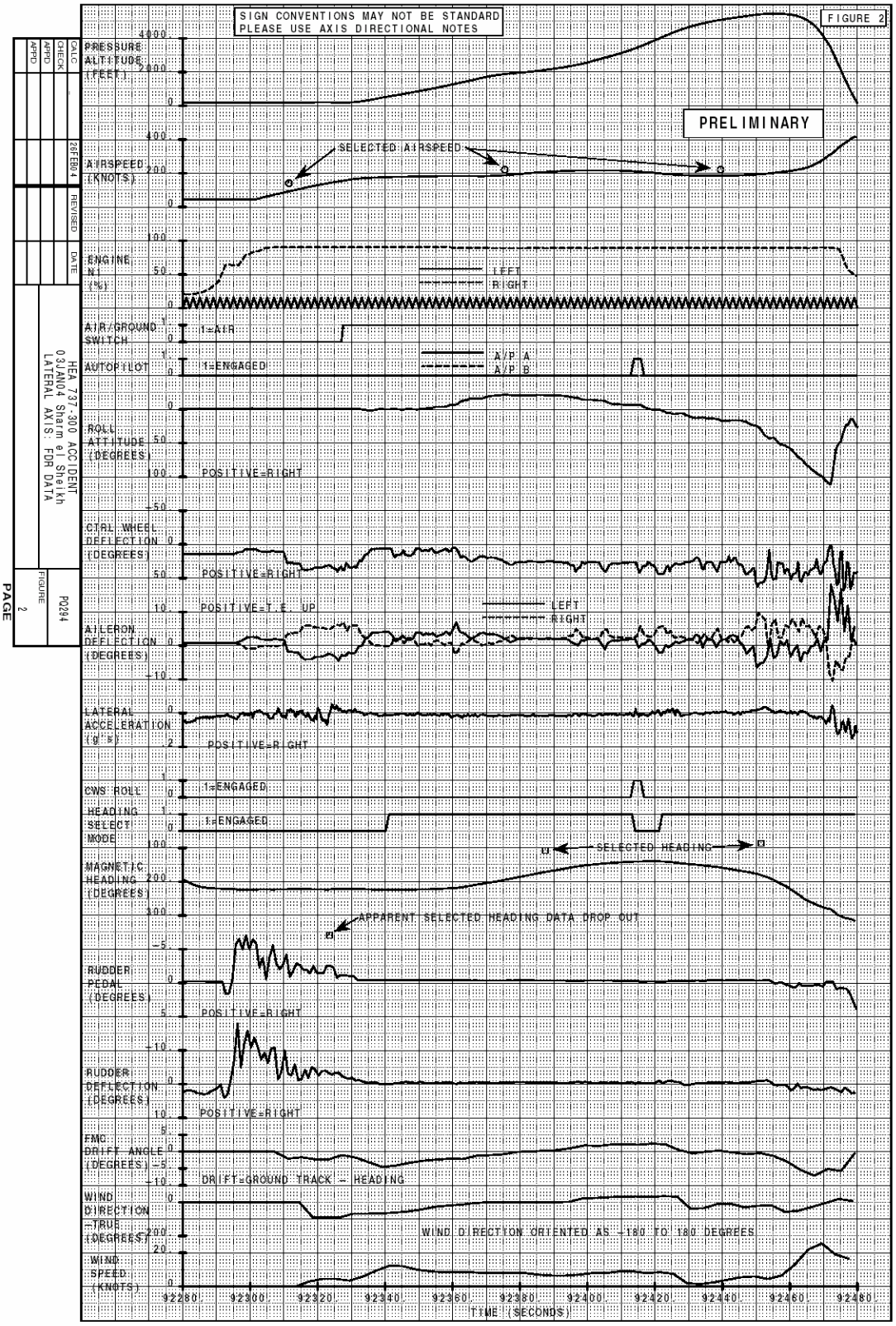


CALC			
CHECK			
APPD			
APPD			
26FEB04			
REVISED			
DATE			

HEA 737-300 ACCIDENT
03JAN04 Sharm el Sheikh
LONGITUDINAL AXIS - FDR DATA

FIGURE 1 — P0284

PAGE 1



CALC			
CHECK			
APPD			
APPD			
26FEB04			
REVISED			
DATE			

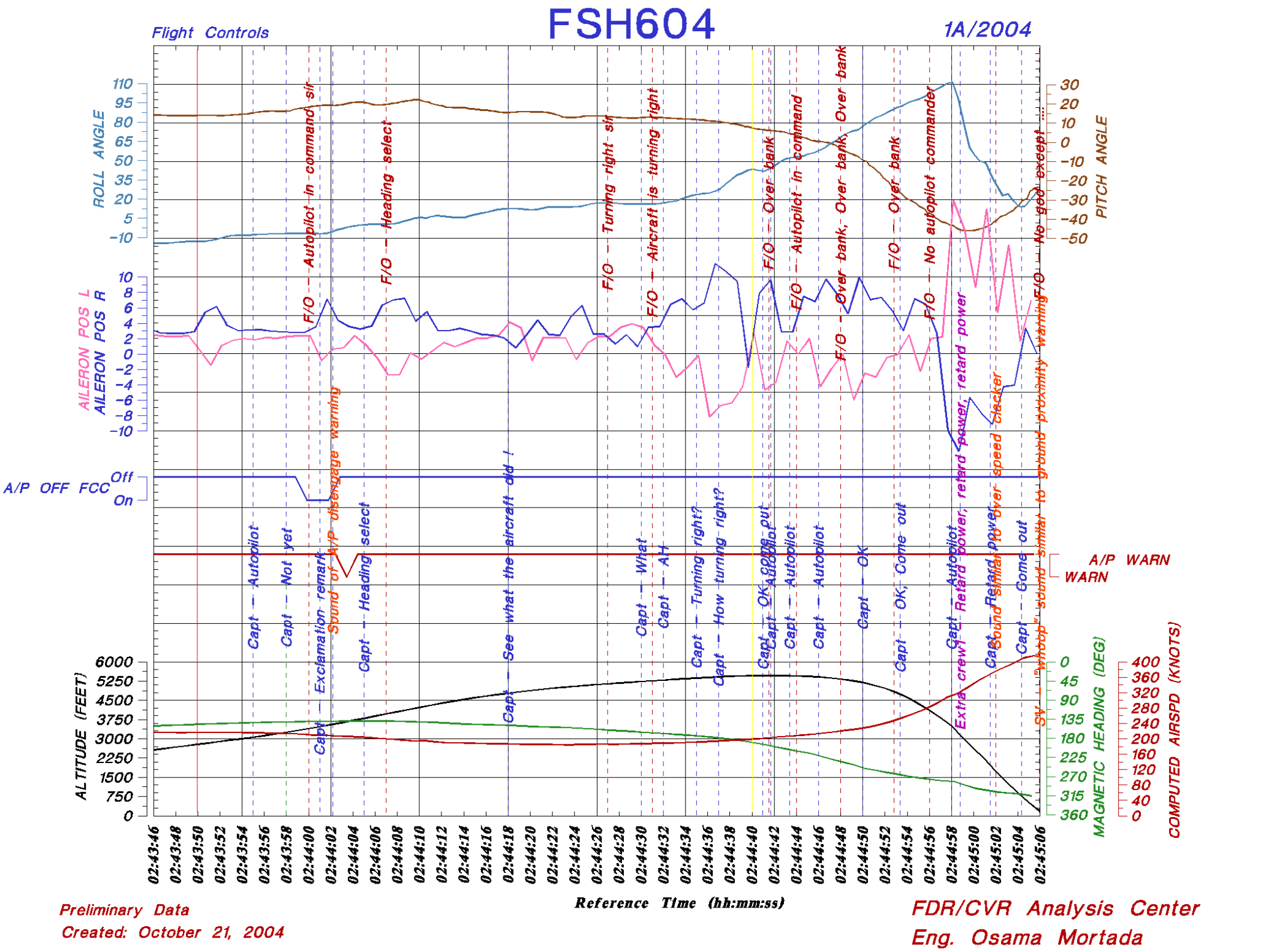
HEA 737-300 ACCIDENT
03JAN04 Sharm el Sheikh
LATERAL AXIS: FDR DATA

FIGURE 2

PO284

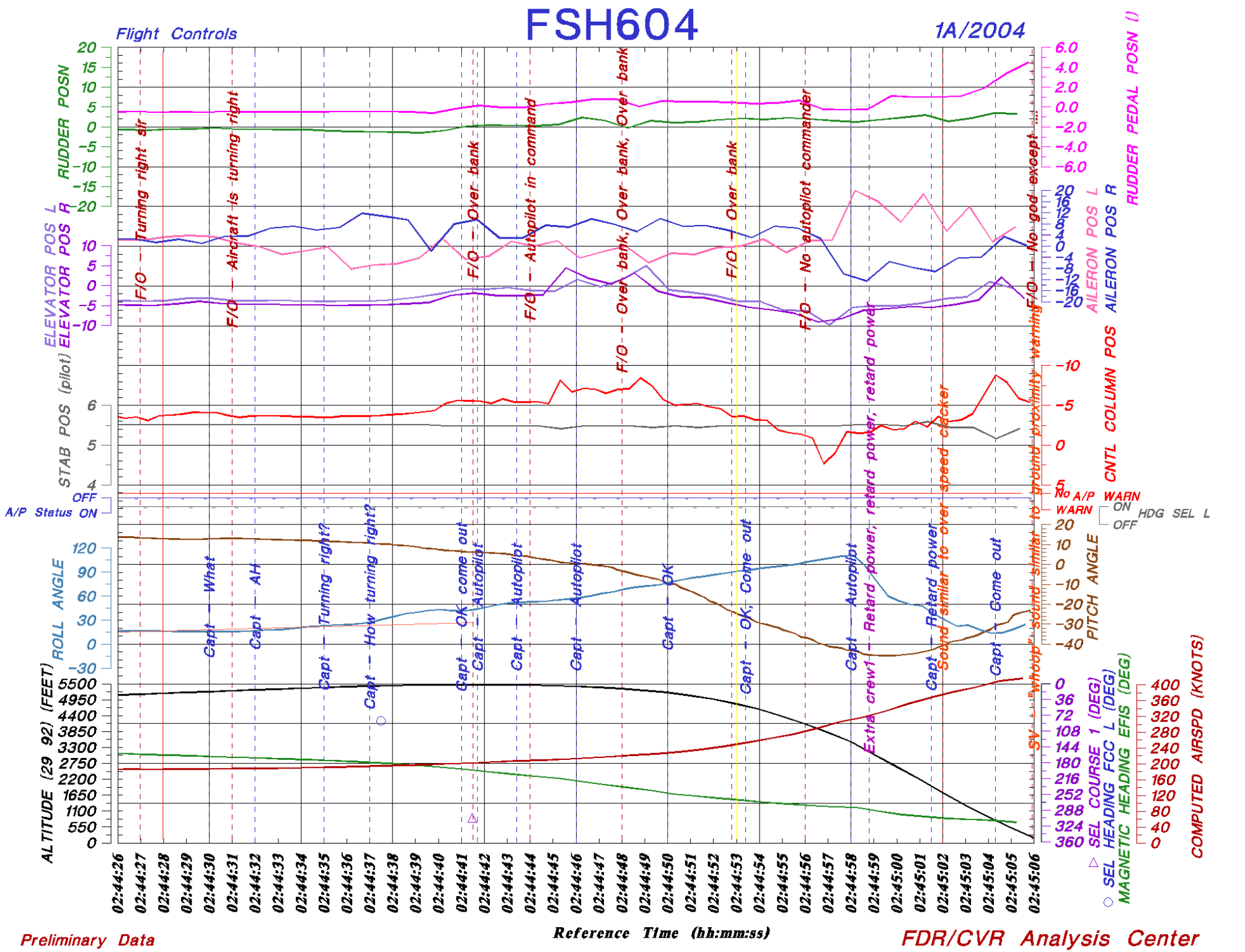
PAGE

Attachment 3, five plots represent FDR and CVR correlation



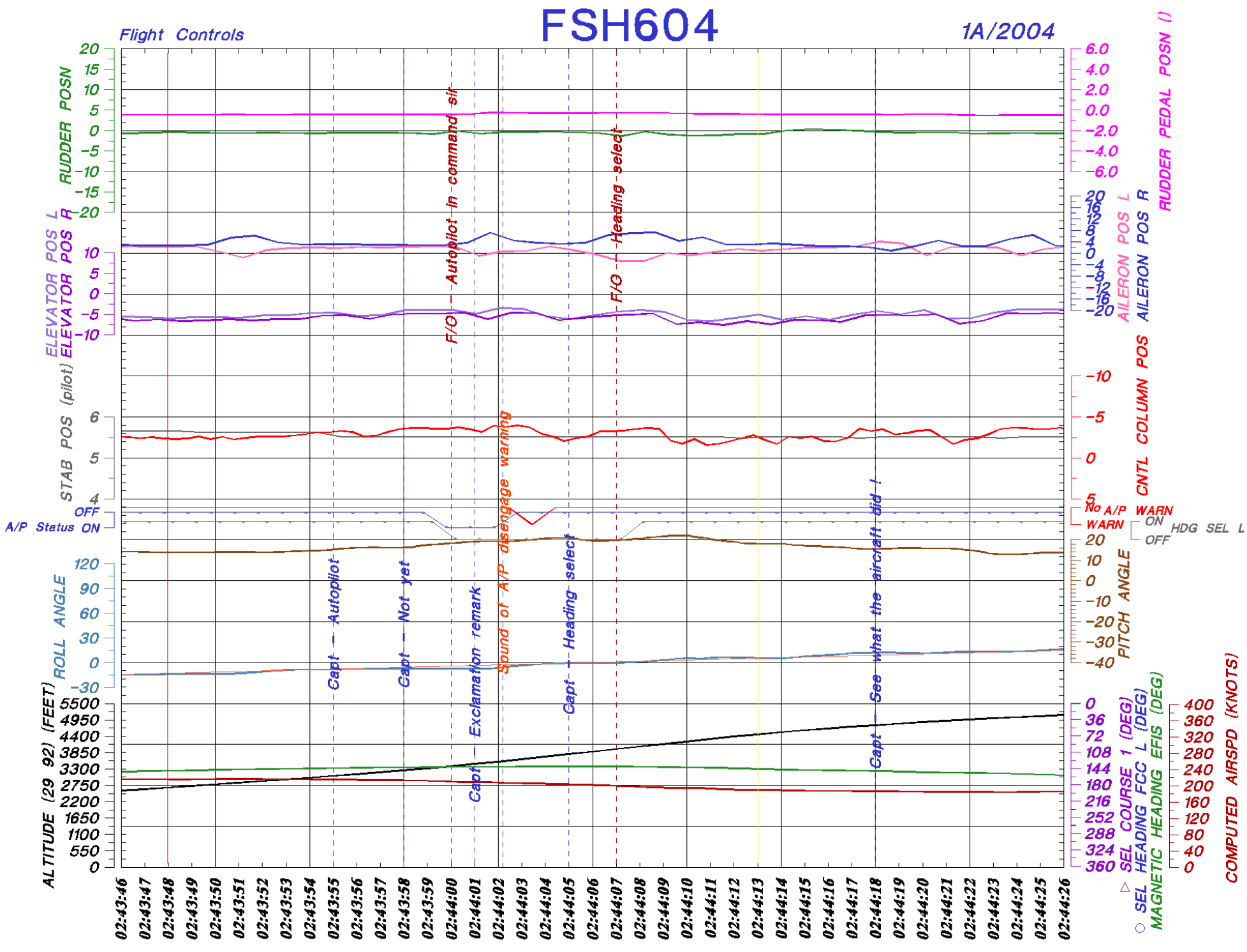
Preliminary Data
Created: October 21, 2004

FDR/CVR Analysis Center
Eng. Osama Mortada



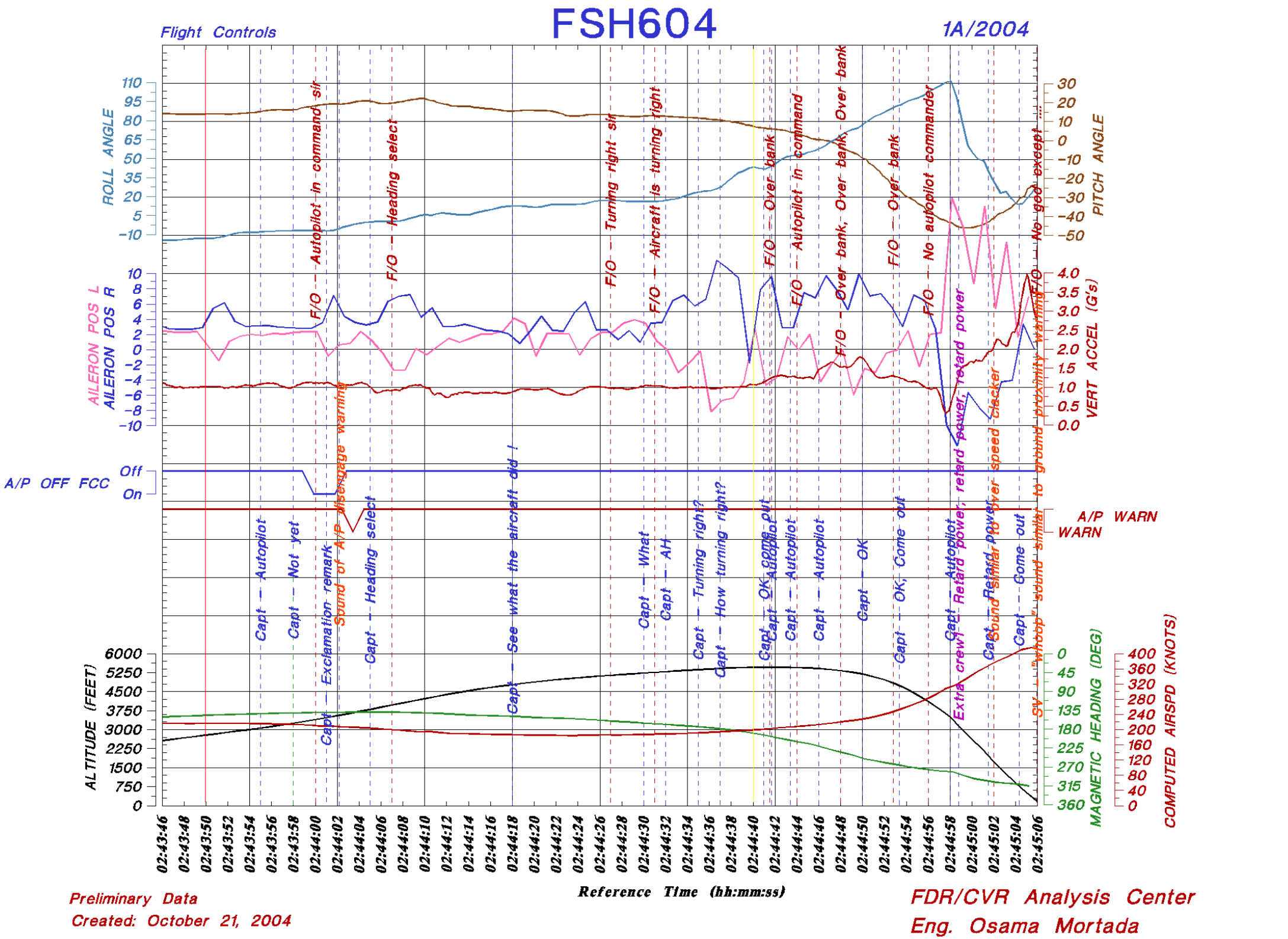
Preliminary Data
Created: October 21, 2004

FDR/CVR Analysis Center
Eng. Osama Mortada



Preliminary Data
Created: October 21, 2004

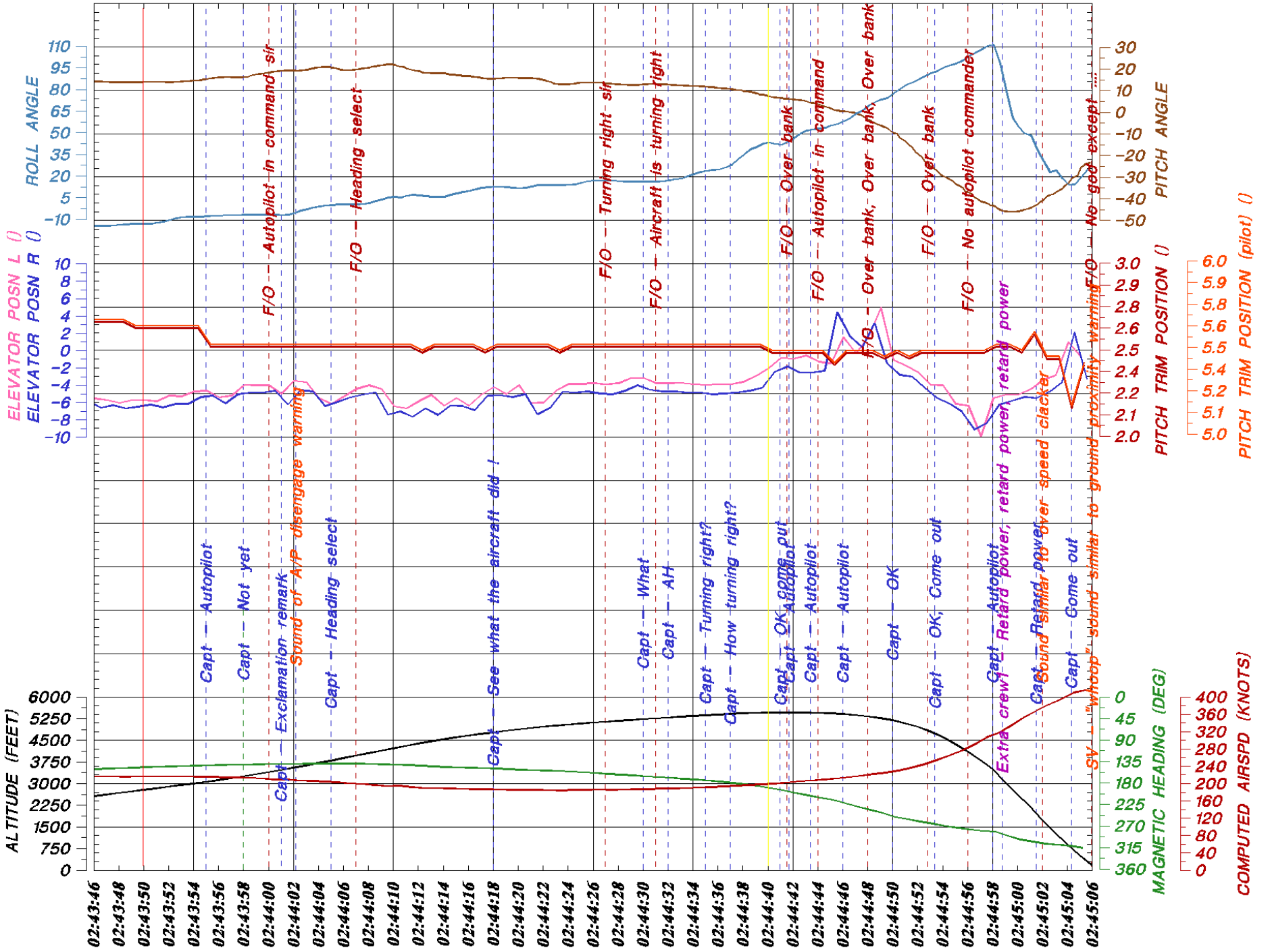
FDR/CVR Analysis Center
Eng. Osama Mortada


FSH604
Flight Controls
1A/2004
ROLL ANGLE
PITCH ANGLE
AILERON POS L
AILERON POS R
VERT ACCEL (G's)
A/P OFF FCC
A/P WARN
ALTITUDE (FEET)
MAGNETIC HEADING (DEG)
COMPUTED AIRSPD (KNOTS)
Reference Time (hh:mm:ss)
F/O — Autopilot in command, sir
F/O — Heading select
F/O — Turning right sir
F/O — Aircraft is turning right
F/O — Over bank
F/O — Autopilot in command
F/O — Over bank, Over bank, Over bank
F/O — Over bank
F/O — No autopilot commander
F/O — No good except ...
Capt — Autopilot
Capt — Not yet
Capt — Exclamation remark
Sound of A/P disengage warning
Capt — Heading select
Capt — See what the aircraft did !
Capt — What
Capt — AH
Capt — Turning right?
Capt — How turning right?
Capt — OK, Come out
Capt — Autopilot
Capt — OK
Capt — OK, Come out
Capt — Autopilot
Extra crew — Retard power, retard power, retard power
Capt — Retard power
Sound similar to over speed clacker
Capt — Come out
SV — "whoop" sound similar to ground proximity warning
Preliminary Data
Created: October 21, 2004
FDR/CVR Analysis Center
Eng. Osama Mortada

FSH604

Flight Controls

1A/2004



Preliminary Data

Created: October 21, 2004

FDR/CVR Analysis Center

Eng. Osama Mortada

Exhibit C

Cockpit Voice Recorder (CVR)
Group Factual Report

Ministry of civil aviation
Accidents Department
Egypt, Cairo

October14, 2004

Group Chairman's Factual Report – Cockpit Voice Recorder

ACCIDENT

Location:	Red Sea off Sharm el-Sheikh
Date:	January3, 2004
Time:	2:45:06 GMT
Operator:	Flash Airlines – Flight 604

The group convened at CVR/FDR laboratory at MCA headquarters - Cairo for retrieval of CVR conversation and aural sounds.

SUMMARY

On January 3, 2004, about 02:45:06 UTC, 04:45:06 Local time, Flash Airlines flight FSH604, a Boeing 737-300, Egyptian registration SU-ZCF, operated by Flash Airlines, crashed into the Red Sea shortly after takeoff from Sharm el-Sheikh International Airport (SSH) in South Sinai, Egypt. The flight was a passenger charter flight to Charles de Gaulle Airport (CDG), France with a stopover in Cairo international Airport (CAI) for refueling. Flight 604 departed from Sharm el-Sheikh airport with 2 pilots (Captain and First Officer), 1 observer, 4 cabin crew, 6 off-duty crew members and 135 passengers on board. The airplane was destroyed due to impact forces with the red sea with no survivals.

Details of Investigation

- The accident airplane's Cockpit Voice data recorder (CVR), Fairchild, Part no. 93-A100 – 80, serial no. 57994 was retrieved from the Red Sea on January17, 2004 by the French Navy. The CVR was immersed in water and sealed in an ice chest and transported to MCA, accident investigation laboratory at Cairo.

- Readout of the CVR was accomplished using the laboratory's playback hardware and software as follow:

Download Unit:
A100 CVR play back Deck - Store 4DS
Audio Analysis System:
MPL 1024 , 12 Channel Microphone Mixer – Samson
Filter : PCAP II (Samson)
Amplifier : Samson - Servo-550 Studio Amplifier
Software:
Vegas 4 – Sound Forge 6 –PCAP II

- The recorder consisted of four channels of audio information.

Channel One:	First officir hot mic.
Channel Two:	Area Mic.
Channel Three:	Observer hot Mic.
Channel Four:	Captain hot Mic.

- After the initial retrieved sound task was completed another effort was undertaken with the assistance of BEA expert as follows:

    - The output signal from the tape deck playback machine was too low compared to the recording on the same conditions in BEA. This problem was solved by increasing the output level when the screw of the adjustable gain control was turned clockwise.

    - The sensitivity of the acquisition audio card of the PC was not good enough to capture correctly the audio signal coming from the tape deck player. This problem was solved by changing the value of the "Variable Signal Levels" on the hardware setting of the audio card, from the manufacture value +4 to -10. The gain was increased and the input signal amplified.

    - The speed of the tape was not correct with an interference of the power (115 V, 400 Hz) measured at 375 Hz. It was not possible to adjust properly the speed of the tape with the device installed. This problem is solved by resembling the wave file with a correct ratio (400/375= 1.0665).

    - Some high frequencies were missing when doing the spectrum analysis. This problem was solved by using a sampling rate of 32000 kHz instead of 22000 kHz.

    - The alignment of the head installed on tape deck player was checked, adjusted and was found satisfactory prior to playback the tape.

A new copy of the CVR was performed. This recorded copy is satisfactory.

- Due to the effect of aircraft power (115 V, 400 Hz) on the tape speed, the data had been retrieved at a sample rate 34128 HZ. Recording time of the Subject CVR measured found 31 min. and 13.7 sec. and the frequency was 402 HZ

Comments

- Before start check list, below the line, Engine start, after start check list, and before Takeoff check list down to strobe lights are carried out.

- During flight control check at 02:37:40, two consecutive sounds had occurred, following at 02:37:41 the Captain had announced "turning to the right".

- Before the engine started, sound similar to Cockpit door operation was heard and no body other than the Captain, the First officer and the Extra crew1 was in the cockpit till the end of the CVR tape.

- At 02:42:43, the Captain requested for "Four Hundred Heading Select". One second later the First Officer acknowledged "Four Hundred Heading Select"

- At 02:42:484, the Captain had asked for "Level Change". One second later the First Officer repeated "Level Change".

- At 02:43:04 and at 02:43:11, the captain had announced "Left Turn". One second later the First Officer repeated " Left turn to establish Three Zero Six Sharm VOR"

- At 02:43:55, the Captain had asked for "Autopilot". At 02:44:00, The First officer announced "Autopilot in command" and at 02:44:02, the sound of autopilot disengages warning was heard.

- At 02:44:05, the Captain had asked for "Heading Select". At 02:44:07, the First Officer repeated "Heading Select"

- AT 02:44:27, the First Officer had announced "Turning right Sir" and again at 02:44:31, he confirmed "Aircraft is turning right".

- At time 2:44:35 Captain said "turning Right?"

- At time 2:44:37 Captain said "how turning right"

- At 02:44:41.7 and at 02:44:43.4, the Captain had asked for "Autopilot", and at 02:44:44 the First Officer replied "Autopilot in command"

- At 02:44:46, the Captain had asked for "Autopilot", and at 02:44:56, the First officer replied "No autopilot Commander" but again the Captain in command asked for "Autopilot".

- The phrase "Come out" was repeated three times by the captain at 02:44:41, 02:44:53.4 and 02: 45:04.3

- Extra crew 1 did not interfere during flight progress except at 02:44:58.8 when he had been announced "Retard Power, Retard Power, Retard Power"

Transcript of a Fairchild A-100 cockpit voice recorder (CVR), serial no. 57994 installed on a B-737-500, SU-GZF, which was involved in a descent and collision into the Read Sea near Sharm on Jan, 2004

UTC hh:mm:ss	Speaker	Content
02:13:53	ATC	Communication with Blue Panorama B757 (●●●) for 31 seconds
02:14:27	Extra crew1	طردوه ياعم مش عايزينه يقعد طول الليل هنا *They don't want him to stay here all night*
02:14:30	First officer	ممكن حضرتك علشان بيودوهم عند الهناجر *May be because they move them next to the hanger*
02:14:32	Extra crew1	لأ قالوه حيبعتوه للغردقة * *They told him they will send him to Hurgada*
02:14:43	First officer	بص خلاص علشان انا شايف يعنى الترافك بدأ يقل فى اليومين دول *The traffic started to decrease*
02:14:47	Extra crew1	والله *Really*
02:14:48	First officer	آه مش *yes*
02:14:49	Extra crew1	انا افتكرته عالى جداً *I thought it was still high*
02:14:50	First officer	لأ احنا نازلين حاضرتك امبارح مثلاً الساعة خمسة ومن خمسة لغاية ستة المطار زى كدة بالضبط *No we are decreasing*
02:14:59	Extra crew1	ياه *Really*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:15:02	First officer	ده بالعكس كله دلوقتى بيبتدى بقى يسافر خلاص كله قضّى رأس السنة و الكريسماس *Every body is going back after Christmas & new year*
02:15:07	Extra crew1	آه *yes*
02:15:21	Extra crew1	بوينج سبعة وخمسين *Boeing seven five seven*
02:16:02	First officer	بقول لحضرتك كابتن عصام يعنى استاذى يعنى *I am telling you sir captain Essam is my teacher*
02:16:10	Extra crew1	والله !!! *Really*
02:16:13	First officer	حضرتك كان مسمينى حتى" مازو" على اسم ابنه الصغير لو حضرتك تعرفه على اساس كنت ابتديت الطيران صغير *He even calls me like his youngest son*
02:16:24	Extra crew1	ابتديت ازاى *How did you start*
02:16:26	First officer	انا ابتديت حضرتك خلصت تمنتاشر طبعا كوميرشيال وقعدت حوالى سنة ونصف ابتديت قبل العشرين كده *I started by finishing commercial at eighteen and stayed for a year and half and started before twenty*
02:16:35	Extra crew1	آه *yes*
02:16:43	First officer	احسن حاجة فادتنى طبعا ان انا ابتديت على الميتين يعنىالميتين ده مدرسة *The best benefit was my starting on the two hundred*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:16:46	Extra crew1	آه دراسة يعنى مش حظ *Yes studying not luck*
02:16:47	First officer	الحمد لله يعنى *Thank god*
02:16:52	Extra crew1	انا عايش بره *I live abroad*
02:16:54	First officer	* حضرتك *you sir*
02:16:55	Extra crew1	ياه ماعندناش النظام ده خالص لازم تعمل ألفين ساعة قبل ما حد يبصلك يعنى *You must have two thousand hours before anyone looks at you*
02:17:04	First officer	فين حضرتك *where sir*
02:17:05	Extra crew1	اشتغل مدرب شوية اشتغل رش شوية اشتغل bush pilot *Work as instructor a bit and a bit as* bush pilot
02:17:10	First officer	بس كلها إكسبيرينس عالية *But it is all high experience level*
02:17:12	Extra crew1	اكسبيرينس بس بتشتغل على طيارات صغيرة وسنجل إنجين ، ما بتخدش الإكسبيرينس اللى هو يعنى تقعد انت خمس سنين كده بتضيعهم أونطة يعنى بس انا زيك انا كنت دفعة تسعة وثمانين حتى كان عندى تمنتاشر سنة حتى كان عندى يعنى كان لازم اجيب موافقة من بابا ومش عارف إيه *It is all experience but it is a waste of time*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	content
02:17:39	First officer	آه ما هوه بالضبط حصل معايا نفس الموضوع *Yes I passed through the same thing*
02:17:43		عدة اصوات منها فتح باب الكابينة Sound like cockpit door operation
02:18:10		صوت نقر على باب كابينة القيادة Knocking on cockpit door
02:18:11		أصوات sounds
02:18:13	Attendant	كابتن الركاب جت *Captain the passengers arrived*
02:18:14	Captain	اتفضلوا *let them in*
02:18:20	Extra crew2	السلام عليكم *Greeting*
02:18:21	Captain + extra crew1	وعليكم السلام ورحمة الله وبركاته *Response*
02:18:23	Extra crew2	انا حياتى جوه فى اوديت الفيران هنا *My life is in this rat room*
02:18:24		صوت ضحك عالى* Laughter

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:18:25	Captain	امشى اطلع بره *Go outside*
02:18:25		صوت ضحك laughter
02:18:26	First officer	انت طالع معانا *Are you coming with us*
02:18:27		(●●●) joking for 31 seconds
02:18:58	Captain	Before start check list
02:18:59	First officer	Flight deck preparation
02:19:00	Captain	Completed
02:19:01	First officer	light test
02:19:02	Captain	Checked
02:19:03	First officer	Oxygen
02:19:04	Captain	Push * hundred percent (sound similar to oxygen mask test)
02:19:05	First officer	Yaw damper
02:19:06	Captain	On
02:19:07	First officer	Instrument transfer switches
02:19:08	Captain	Ok normal , I R S was *
02:19:12	First officer	Fuel

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:19:14	Captain	On
02:19:16	First officer	Galley power
02:19:17	Captain	On
02:19:18	First officer	Emergency Exit light
02:19:19	Captain	Armed
02:19:20	First officer	Passenger signs
02:19:21	Captain	set
02:19:22	First officer	Window heat
02:19:23	Captain	On
02:19:24	First officer	Hydraulics
02:19:26	Captain	Normal
02:19:28	First officer	Air condition & Pressurization
02:19:30	Captain	Packs on , bleeds on , set at Cairo
02:19:33	First officer	Auto pilot
02:19:34	Captain	Disengaged
02:19:35	First officer	Instruments
02:19:36	Captain	Cross Checked
02:19:37	First officer	Anti-skid
02:19:38	Captain	On

(●●●) IRRELEVANT CONVERSATION * WORDS NOT CLEAR
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:19:39	First officer	Auto brake
02:19:40	Captain	RTO
02:19:40	First officer	Speed brake
02:19:41	Captain	Down
02:19:42	First officer	Parking brake
02:19:43	Captain	Set
02:19:45	First officer	Stabilizer trim cut out switches
02:19:46	Captain	Normal
02:19:47	First officer	Wheel well fire warning
02:19:48	Captain	Checked
02:19:49	First officer	Radio radar and transponder
02:19:50	Captain	Set
02:19:51	First officer	Rudder and aileron trim
02:19:52	Captain	Neutral
02:19:53	First officer	Gear pins
02:19:55	Captain	Removed
02:19:56	First officer	Briefing for emergencies
02:19:58	Captain	*
02:19:59	First officer	Papers

UTC hh:mm:ss	Speaker	Content
02:20:01	Captain	Aboard
02:20:02	First officer	F M C / C D U
02:20:03	Captain	0ne three four , 0ne three four , one four zero
02:20:06	First officer	N one and I A S ‘ bugs
02:20:07	Captain	None , ninety four set my sides
02:20:12	First officer	Flight director
02:20:13	Captain	Ok *
02:20:17	First officer	Before start check list complete down to the line
02:20:25	Extra crew1	طبعا انتو منزلتوش من الاوتيل خالص *Of course you didn’t leave the hotel*
02:20:27	Extra crew2	آه *yes*
02:20:29	Extra crew2	لا هانروح فين عريانين *No where can we go without clothes*
02:20:33	Extra crew1	لا دول علشان شوناطهوم ضاعت *No that’s because their bags are lost*
02:20:35	Captain	امبارح كنا جايين ساعة الغسق شمس و two two *Yesterday we were coming at dusk and the sun was* two two
02:20:43	Extra crew2	اه *yes*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
O2:20:46	Captain	ايه in sight قولتله in sight هو بيقول شايف الممر بالعافية already حسيت انه انا *I felt I could hardly see the runway and he was* already *saying* in sight ….. *what* in sight
02:20:53	Extra crew1	سن بأه يا كابتن *Age sir*
02:20:55	Captain + extra crew2	خالص in sight مش ده داخل عليه انتا اللى فى in sight اوعى تقول بالنسبة لك in sight دا مش * احنا *This is not* in sight *never say* in sight *when you are entering like this*
02:20:59	Extra crew2	مش هو ده مش هو ده *This is not it*
02:21:00	Captain	مش باين لحد short انا يعنى انا بجيب الـ * اللى انا هو ده *It is not clear to the* short
02:21:05	First officer	haze ضارب مع الشمس مع sunset ماهو الـ *It is the* sunset *and the* haze
02:21:07	Captain	مش ممكن haze الشمس عمله *The sun is making* haze
02:21:07	First officer	فظيع يعنى haze عمله *It is making terrible* haze
02:21:10	Captain	* in sight لا عارف ارفع عنيا برة وبيقولى *I am unable to raise my eyes and he says* in sight
02:21:12		* صوت ضحك Laughter

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:21:13	Captain	فين in sight ده بيقولى اهو ياكابتن كابتن فى عينك *where* in sight ……
02:21:19	Captain	بقوله اذا كنت انا شايفه بالعافية ومحدده بالعافية تقولى in sight ازاى مستحيل تكون انتى شايفه *If I can hardly see it and he says* in sight *how ?*
02:21:26		*
02:21:27		ضحك Laughter
02:21:30	Captain	انتا عارف اصل ايه ال maneuver تبين الـ in sight وخاصة فى الجزء بتاع ال short final *You know the* maneuver *shows* in sight *specially on* short final
02:21:34	First officer	بالذات ال correction بتاع ال heading *Specially* heading correction
02:21:37	Captain	* بالضبط *Exactly*
02:21:40	Captain	ده انا قولتله اناشايفه بالعافية انا اقعدت ادور عليه علشان انزل عليه بالعافية ازاى يبقى in sight بالنسبة لك *I told him I searched for it to see it how* in sight *?*
02:21:52	Extra crew2	in sight وخلاص يا كومندان مادققشى على الحاجات الصغيرة *Simply* in sight
02:21:52	Captain	صوت ضحك وانزل على الممر الثانى Laughter ….. *Then land on the other runway*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:21:52		(●●●) conversation about the lost bags of the crew for 83 seconds
02:23:40		صوت مماثل لحركة باب غرفة القيادة sound similar to cockpit door operation
O2:23:48	Captain	كام واحد كام راكب *How many Passengers?*
02:23:49	Station manager	ميه خمسة وتلاتين رأس One three five *heads*
02:23:51		(●●●) Joking + conversation of blue panorama eight three three amend their flight plan (For 150 seconds)
02:26:22	First officer	Sharm El Sheikh Flash Six Zero Four
02:26:29	ATC	Six Zero Four go ahead
02:26:31	First officer	weather Cairo أستأذن حضرتك لو فيه امكانية *Please* weather Cairo
02:26:34	ATC	ثوانى *seconds*
02:27:35	First officer	option ده *This is* option
02:27:36	Extra crew1	هه *what*
02:27:37	First officer	option فى *There i*s option

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
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UTC hh:mm:ss	Speaker	Content
02:27:40		*
02:28:05	First officer	عالى ليه level حضرتك طلبت *Sir why did you request a high* level*?*
02:28:08	Captain	بتاعنا consumption كده هنفذه لانه هيقلل من نسبة الـ System *For less* consumption
02:28:50	Extra crew1	شغال center tank عداد الـ *Is the* center tank *gauge operating?*
02:28:53	Captain	اه بس مشكوك فيه *Yes but not reliable*
02:28:57	Extra crew1	فعلا zero شغال يعنى هو *So it is* zero
02:28:58	Captain	أه *yes*
02:28:59	ATC	Flash Six Zero Four Sharm El Sheikh
02:29:02	First officer	Go ahead sir
02:29:03	ATC	Six Zero Four copy Cairo met condition time Zero Two double zero , Surface wind Two One Zero One Zero knots Visibility Six kilometers Clouds and Sky clear Temperature One Two ,dew point Zero One , QNH one zero one three
02:29:23	Captain	Clouds
02:29:24	First officer	And confirm dew point, Please

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
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UTC hh:mm:ss	Speaker	Content
02:29:26	Captain	sky clear ماقلوش *They didn't say* sky clear
02:29:27	ATC	Dew point Zero One
02:29:30	First officer	Roger, copied next call when ready إنشاء الله يافندم *God willing*
02:29:33	Captain	قالوه clouds و sky clear ازاى يعنى الاثنين عكس بعض *They said* clouds *and* sky clear *how , the two are opposite*
02:29:34	Extra crew1	اسأله عن ceiling كده *Ask him about* ceiling*?*
02:29:35	First officer	ازاى يعنى *How?*
02:29:37	First officer	شوف بيقولك sky clear و cloud ازاى مش فاهم *See how* sky clear *and* clouds *I don't understand*
02:29:37	First officer	ماهو لخبطنى فيها علشان كده ماعرفتش اكتب اللى بعده *He mixed me up I didn't know how to write it*
02:29:41	Extra crew1	مادكاش ceiling فعلا *He didn't give* ceiling
02:29:42	Captain	One Zero One Three
02:29:43	First officer	One zero one

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:29:44	Captain	هه
02:29:45	First officer	One zero one three
02:29:46	Captain	runway يبقى الـ knots أه و المتين وعشرة وعشرة *And two hundred and ten and ten* knots *and* runway *is*
02:29:50	First officer	Runway two three
02:29:53	Extra crew1	(ceiling) ماداش *He didn't give ceiling*
02:29:54	First officer	clouds و sky clear و الـ ceiling لا مافيش *No* ceiling *and* ….. clouds *and* sky clear
02:30:01	Extra crew1	مثلا scattered ممكن تبقى *Maybe it is* scattered
02:30:02	First officer	scattered ممكن يقصد *Maybe he means* scattered
02:30:06		صوت خبط sound of knock
02:30:11	Extra crew1	ceiling بس برده لازم يبقى فيه *There should be* ceiling
02:30:14	First officer	اكيد *Definitely*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
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UTC hh:mm:ss	Speaker	content
02:30:14	Extra crew1	نعرف هنخرج منه إمتى *How can we know when will we clear it*
02:30:16	First officer	أه *yes*
02:30:16	Ground engineer	ياصباح الجمال *Good morning*
02:30:18	Captain	يا صباح الهنا يا باشمهندس *Good morning engineer*
02:30:21	Captain	شوفت ده *Did you see it ?*
02:30:22	Ground engineer	أه انا كان فى امكانى اعمل بس لأ مش عاوز امد ايدى على حاجة دى *Yes I could do something but I don't want to touch this*
02:30:24	Captain	تخصصات كهربا *Electrical specially*
02:30:27	Ground engineer	أه *yes*
02:30:29	Captain	زى ماكان بيحصل *Like what used to happen*
02:30:30	Ground engineer	أه *yes*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
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UTC hh:mm:ss	Speaker	Content
02:30:30	Captain	فى الطيارات إياها التانية *In the other aircraft*
02:30:31	Ground engineer	ده صح *This is right*
02:30:32	Captain	بس هز Socket *Move* socket
02:30:33	Ground engineer	ايوه *yes*
02:30:36	Extra crew1	heavy landing لازم عمرو عمل *Probably Amr made a* heavy landing
02:30:37	Ground engineer	صوت ضحك laughter
02:30:39	Captain	راجل زى الفل *Good man*
02:30:41	Extra crew1	والله ما شاء الله *God's will*
02:30:48	Captain	لو نركز فى السن ده *If we concentrate at this age*
02:30:53	First officer + Extra crew1	عالطول ان شاء الله *Always god willing*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:30:54	Captain	يافندم منتحرمش تحب تيجى معانا *Thank you would you like to come with us?*
02:30:56	Station manager	مين *Who?*
02:30:56	Ground engineer	نخطفه نخطفه يا كابتن النهارده *Lets steal him*
02:30:57	Station manager	ازاى بس اجى معاكم عندنا وارسو وعندنا * وعندنا * *How we have Warsaw and * and**
02:31:01	Captain	بلا وارسو بلا حاجة *Forget Warsaw*
02:31:03	Station manager	لأ النهاردة بالذات مش هاجى *No today I will not go with you*
02:31:05		صوت ضحك laughter
02:31:07	Station manager	مش قابل اجى يعنى عارف مش جاية مش قابلة *I can't make it , it can't be done*
02:31:10	Extra crew1	انتى نمت امبارح *Did you sleep last night*
02:31:11	Station manager	مين *Who?*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	content
02:31:11	Extra crew1	انتى *you*
02:31:12	Station manager	انا منمتش امبارح خالص انا هاخدها نوم انا لازم انام *I didn't sleep at all I must sleep*
02:31:16	Captain	طيب اتوكل على الله ، اسحبولنا الحاجة *Ok rely on god pull equipment away*
02:31:21		صوت sound similar to cockpit door operation
02:31:26	Attendant	one three five كابتن *captain one three five*
02:31:28	Captain	One three five إنشاء الله , تمانية و عشرين و بقولك ايه خمسين دقيقة ولا اقل *Twenty eight and lets say fifty minutes , god willing* One three five
02:31:34	First officer	خمسين *fifty*
02:31:36	Captain	شكراً *thank you*
02:31:37	First officer	* طب هو فين *Ok where is he ?*
02:31:39	Captain	من هنا خمسين من هنا ستة و خمسين لكن إنشاء الله اقل إنشاء الله *From here fifty and from there fifty six but god willing less*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:31:44	Attendant	أه أقفل الباب؟ *Yes close the door*
02:31:48	Attendant	بسرعة بسرعة علشان الكابتن بيقولى اقفل *Quickly the captain says close*
02:31:51		صوت قفل الباب Sound of door closing
02:31:52	First officer	ياكمومندان Startup Startup *commander*
02:31:53	Captain	اتفضل يا حبيبى *Please*
02:31:55	First officer	Sharm El Sheikh Tower Flash Six Zero four
02:32:00	ATC	Flash Six Zero Four Go ahead
02:32:02	First officer	On our stand, destination Cairo request startup clearance
02:32:05	ATC	Startup approved QNH One Zero One One , Runway Two Two Right
02:32:09	First officer	Startup approved for runway Two Two Right , Flash Six Zero Four thank you
02:32:13	First officer	Startup approved
02:32:19	Captain	Below the line
02:32:21	First officer	Doors
02:32:22	Captain	لسه *Not yet*
02:32:23	First officer	Air condition packs

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:32:24	Captain	Off
02:32:28	First officer	Start pressure
02:32:29	Captain	Sufficient
02:32:30	First officer	Anti collision light
02:32:31	Captain	On
02:32:31	First officer	Before start check list completed down to the after start
02:32:58	Extra crew3	يلا يا جماعة اتكلوا على الله *Come on fellows*
02:33:00	Attendant	Close two L Please
02:33:07		صوت خبطة (thump)
02:33:16	Captain	توكلنا على الله والحمد لله بسم الله الرحمن الرحيم *We rely on god , thank god , in the name of god*
02:33:20		اصوات خبطات Sounds
02:33:25	Attendant	Attention Cabin Crew doors in armed position and crosscheck
02:33:30		اصوات خبطات Sounds For 47 seconds (may be cockpit door , jump seat and unknown ratcheting sounds)
02:34:08	Captain	أيه ده بقى *What is this*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	content
02:34:09	First officer	بسم الله وتوكلنا على الله *In the name of god , we rely on god*
02:34:11	First officer	Duct pressure decrease start valve open
02:34:14	Captain	N two
02:34:25	Attendant	Ladies and Gentlemen, good morning on behalf of Captain Kheder and his crew members welcome you onboard Flash airlines, Boeing seven three seven three hundred Proceeding to Cairo, During our flight to Cairo we shall cover the distance at fifty minutes and altitude twenty seven thousand feet , you are kindly requested to fasten your seat belts and put the back of your seats in full up right position, and observe the no smoking sign during all the flight, thank you.
02:34:31	First officer	Oil pressure
02:34:48	First officer	Approaching forty six
02:34:50	First officer	Duct pressure normal start valve closed
02:34:51	Attendant	Cabin crew stand bye for demo.
02:35:06	Captain	number one توكلنا على الله *We rely on god*
02:35:08	First officer	Duct pressure decrease start valve open
02:35:10	Captain	N two
02:35:16	Captain	تلاتاشر تسعتاشر كده لما دوّر تانى E G T E G T *thirteen, nineteen when it starts again*
02:35:21	First officer	Approach *
02:35:22	Captain	N one E G T ok Normal

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
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UTC hh:mm:ss	Speaker	Content
02:35:27	First officer	Maximum motoring
02:35:30	First officer	Oil pressure
02:35:48	Captain	Approach forty six start cut out pressure normal Start valve closed start cut out
02:36:04	Captain	Stabilized
02:36:13	Captain	To the line
02:36:14	First officer	Electrical
02:36:16	Captain	On bus
02:36:17	First officer	Pitot heat
02:36:17	Captain	on
02:36:18	First officer	Anti-ice
02:36:19	Captain	on
02:36:19	First officer	Air condition and pressurization
02:36:21	Captain	Packs on , flight
02:36:23	First officer	Isolation valve
02:36:24	Captain	Auto
02:36:25	First officer	A P U
02:36:29	Captain	ندوره هناك فى الجو مش مشكلة ربنا يسهل *Start there in flight no problem with god's help*
02:36:30	First officer	Start levers

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:36:32		*
02:36:33	Captain	Idle detent
02:36:34	First officer	Ground equipment
02:36:36	Captain	Clear
02:35:36	First officer	After start check list completed
02:35:37	Captain	Taxiing
02:36:39	First officer	Sharm El Sheikh Flash six zero four Ready to taxi out
02:36:48	ATC	Six Zero Four Taxi right Delta Alpha Hold short Two Two Right
02:36:53	First officer	Roger to the right via Delta Alpha to holding point runway Two Two Right flash Six Zero Four
02:36:59	First officer	To the right ان شاء الله Delta Alpha يا كومندار *Commander* Delta Alpha *god willing* to the right
02:37:02	Captain	ان شاء الله *God willing*
02:37:03	First officer	Holding point runway two two right and right side is clear
02:37:06		صوت sound
02:37:07	Captain	توكلنا على الله *We rely on god*
02:37:08	First officer	Shocks off zero two three *

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:37:09		صوت sound
02:37:09	Captain	هو ده مش شغال عادى *Is this not operating normally*
02:37:10		صوت sound
02:37:11		sound maybe parking brake release صوت ربما يكون الـ
02:37:14	First officer	One minute past for A P U
02:37:16	Captain	Off
02:37:18	First officer	A P U off sir
02:37:18		(six clicks) عدد ست اصوات متماثلين
02:37:23		(engine acceleration sound) صوت المحركات
02:37:26	Captain	Flaps five
02:37:28		Three sounds similar to flap handle صوت عدد ثلاث خبطات ربما تكون صوت حركة الـ
02:37:30	Captain	Rudder right neutral left
02:37:34		(high thump) صوت
02:37:35	Captain	Neutral
02:37:37	First officer	Flight control checked
02:37:40		Two consecutive sounds مجموعة أصوات متتالية

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:37:41	Captain	Turning to the right
02:37:43	First officer	إن شاء الله via Delta يا كمندار *God willing* via Delta *commander*
02:37:44	Captain	Delta مش هيه دى *Is this* Delta
02:37:45	First officer	ان شاء الله *God willing*
02:37:49	First officer	Straight ahead
02:37:52		صوت خبطة ربما تكون landing light Sound maybe landing light
02:38:01	ATC	Flash Six Zero Four Ready to copy
02:38:03	First officer	Go ahead Sir
02:38:05	ATC	Flash Six Zero Four Destination Cairo as filed, climb initially flight level One Four Zero , One Six Seven Three on the Squawk
02:38:15	First officer	Our clear to destination Cairo via flight plan route One Four Zero initially, One Six Seven Three on the Squawk , Flash Six Zero Four and we have total Passengers One Three Five , *god willing* إن شاء الله
02:38:25	ATC	One Three Five and confirm Sierra Uniform Zulu Charlie Foxtrot
02:38:28	First officer	I do confirm
02:38:30	ATC	Continue taxi via Alpha line up Two Two Right advice ready for departure
02:38:34	First officer	Roger, next call ready *god willing* إنشاء الله

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:38:37	First officer	One four zero initially , one six seven three
02:38:44	Captain	Before takeoff
02:38:45	First officer	Recall
02:38:46	Captain	Checked
02:38:46	First officer	Flight Controls
02:38:47	Captain	Checked
02:38:48	First officer	Flaps
02:38:49	Captain	Five Green light
02:38:49	First officer	Stabilizer trim
02:38:51	Captain	Five units
02:38:52	First officer	Cockpit doors
02:38:54	Captain	Ok closed علشان الباب ده بيفتح Ok closed *because this door opens*
02:38:57	Extra crew1	عاوز ايه *what do you want*
02:38:57	Captain	أه علشان * ادى ليه * *Yes because * give why **
02:38:58	Captain	لأ والله *No really*

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:39:01	First officer	Take off briefing
02:39:03	Captain	Standard briefing *god willing* انشاء الله
02:39:04	First officer	Before Check list completed down to the line *god willing* انشاء الله
O2:39:12		(series of sounds)صوت خبطات
02:39:55	Captain	To the line
02:40:01	First officer	Engine start switches
02:40:02	Captain	On
02:40:02	First officer	Transponder
02:40:04	Captain	On
02:40:05	First officer	Before take off check list completed down to strobe lights
02:40:07	Captain	Completed *god willing* إن شاء الله *
02:40:36	Captain	Ready for departure كده تسعين ونص take off حطها لى على الـ *Set it on* take off *ninety and half* ….ready for departure
02:40:38	First officer	Flash Six Zero Four Ready for departure
02:40:46	ATC	Flash Six Zero Four Surface wind Two Eight Zero One Three knots left turn to intercept Radial Three Zero Six, clear for takeoff Two Two Right
02:40:55	First officer	Clear for takeoff runway Two Two Right with left turn to establish Three Zero Six Sharm VOR our Flash Six Zero Four clear for takeoff

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:41:01		One Thump (door knock)
02:41:02	Captain	افتح لهم الباب left turn مش كده *It is* left turn…..*open the door*
02:41:04	First officer	ان شاء الله *God willing*
02:41:09	Attendant	Cabin is Clear: المضيفة
02:41:12	Captain	شكراً *Thank you*
02:41:12	First officer	Final is clear
02:41:13		One thump
02:41:15		Four similar thumps may be landing lights
02:41:19	First officer	Left turn to establish radial Three Zero Six
02:41:29	Captain	Initially One Four Zero ?
02:41:30	First officer	إن شاء الله *God willing*
02:41:34	Captain	confirm initially One Four Zero
02:41:35	First officer	And Flash Six Zero Four Confirm to the left to establish Three Zero Six
02:41:40	Captain	Initial One Four Zero

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:41:43	ATC	إن شاء الله *God willing*
02:41:44	First officer	And initially One Four Zero
02:41:46	ATC	إن شاء الله *God willing*
02:41:48	Captain	توكلنا على الله *We rely on god*
02:41:59		Sound similar to increase of engine r.p.m
02:42:00	First officer	Stabilized sir N one
02:42:10	First officer	Takeoff power set speed building up, eighty knots, throttle hold
02:42:11	Captain	Eighty knots (one thump sound)
02:42:26	First officer	V one rotate
02:42:33		One thump sound similar to gear retraction
02:42:33.8	First officer	** Positive rate
02:42:34.6	Captain	Heading select
02:42:36	Captain	Gears up
02:42:36	First officer	Ok
02:42:43	Captain	Four Hundred Heading select
02:42:44	First officer	Four Hundred Heading select sir

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:42:48	Captain	Level Change
02:42:49	First officer	Level Change, MCP speed, N1 Armed sir
02:42:59	First officer	One Thousand
02:43:00	Captain	N one Speed Two twenty Flaps one
02:43:04	Captain	Left turn
02:43:05	ATC	Flash Six Zero Four airborne time Four Four when you ready to the left to intercept Three Zero Six radial report on course إن شاء الله *God willing*
02:43:11	Captain	Left turn
02:43:12	First officer	Roger when ready *god willing* إن شاء الله
02:43:18	First officer	Left turn to establish Three Zero Six Sharm V O R
02:43:19	MSR227	Sharm Egypt air two two seven *greeting* السلام عليكم
02:43:22	First officer	Speed available
02:43:23	Captain	Flaps up
02:43:23	ATC	Egypt air two two seven go ahead *greeting* وعليكم السلام ورحمة الله
02:43:26	MSR227	Maintaing flight level one two zero four three D M E in-bound to Sharm el Sheikh and request descent
02:43:34	ATC	Egypt air double two seven clear Sierra Hotel Mike V O R , visual approach runway two two right pilot discretion descend four thousand feet QNH one zero one one

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:43:35	First officer	Flaps up no light
02:43:37	Captain	After take off checklist
02:43:45	MSR227	هو حضرتك دلوقت الـ wind أد إيه *How much is the* wind *sir*
02:43:48	ATC	Indicated two eight zero one zero knots
02:43:53	MSR227	يا فندم runway zero four طب حضرتك ما نشتغل *Can we use* runway zero four *sir*
02:43:55	Captain	Autopilot
02:43:56	MSR227	Right zero four
02:43:58	Captain	لسه *Not yet*
02:43:59	ATC	مفيش مشاكل Straight in ILS approach runway zero four left ان شاء الله report full establish QNH one zero one one *There is no problem* Straight in ILS approach runway zero four left *god willing* report full establish QNH one zero one one
02:44:00	First officer	Autopilot in command sir
02:44:01	Captain	اديله *Exclamation remark*
02:44:02		Sound of A/P disengage warning
02:44:05	Captain	Heading select
02:44:05	MSR227	Straight in approach runway zero four left, one zero one one , next call full establish Egypt air two two seven

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:44:07	First officer	Heading select
02:44:18	Captain	شوف الطياره عملت ايه *See what the aircraft did !*
02:44:27	First officer	Turning Right *sir* حضرتك
02:44:30	Captain	ايه *what*
02:44:31	First officer	Turning right الطياره *Aircraft is* turning right
02:44:32	Captain	أه *AH*
02:44:35	Captain	Turning right ?
02:44:37	Captain	Turning right ازاى *How* turning right
02:44:41	Captain	Ok come out
02:44:41.5	First officer	Over bank
02:44:41.7	Captain	Autopilot
02:44:43.4	Captain	Autopilot
02:44:44	First officer	Autopilot in command
02:44:46	Captain	Autopilot

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

UTC hh:mm:ss	Speaker	Content
02:44:48	First officer	Over bank, Over bank, Over bank
02:44:50	Captain	OK
02:44:52.8	First officer	Over bank
02:44:53.4	Captain	OK, Come out
02:44:56	First officer	Autopilot مافيش يا كوماندا *No* autopilot *commander*
02:44:58	Captain	Autopilot
02:44:58.8	Extra crew1	قلل باور ، قلل باور ، قلل باور *Retard power , retard power , retard power*
02:45:01.5	Captain	*Retard power* قلل باور
02:45:02		Sound similar to over speed clacker
02:45:04.3	Captain	Come out
02:45:05.9	First officer	لا إله إلا…… *No god except ….*
02:45:05	SV	"whoop" sound similar to ground proximity warning
02:45:06		End Of Recording

(●●●) IRRELEVANT CONVERSATION *** WORDS NOT CLEAR**
ITALIC FONT : TRANSLATED FROM ARABIC

Exhibit D

Airplane Performance Group
Factual Report

Ministry of civil aviation
Accidents Department
Egypt, Cairo

October14, 2004

Group Chairman's Factual Report - Performance

A. ACCIDENT

Location: Red Sea off Sharm el-Sheikh
Date: January3, 2004
Time: 2:45:06 GMT
Operator: Flash Airlines – Flight 604

The group convened at MCA headquarters in Cairo from January15, 2004 for performance Factual Data collection

B. SUMMARY

On January 3, 2004, about 02:45:06 UTC, 04:45:06 Local time, Flash Airlines flight FSH604, a Boeing 737-300, Egyptian registration SU-ZCF, crashed into the Red Sea shortly after takeoff from Sharm el-Sheikh International Airport (SSH) in South Sinai, Egypt. The flight was a passenger charter flight to Charles de Gaulle Airport (CDG), France with a stopover in Cairo international Airport (CAI) for refueling. Flight 604 departed from Sharm el-Sheikh airport with 2 pilots (Captain and First Officer), 1 observer, 4 cabin crew, 6 off-duty crew members and 135 passengers on board. The airplane was destroyed due to impact forces with the Red Sea with no survivals.
The airplane had departed from Sharm el-Sheikh runway 22R and was air born at 02:42:33 UTC, approximately 2½ minutes prior to the crash, and had been cleared for a climbing left turn intercept the 306 radial from the Sharm el-Sheikh VOR station located just north of runway 22R. This climbing turn allows departing flights to gain sufficient altitude before proceeding over higher terrain located along the flight path to Cairo. Flight 604 was operating in Egyptian airspace as a charter flight operating under the provisions of Egyptian Civil Aviation Regulations Part 121

C. DETAILS OF THE INVESTIGATION

The purpose of the Aircraft Performance Group (ACPG) is to collect the factual information to determine and analyze the motion of the aircraft and the physical forces that produce that motion. In particular, the Group attempts to define the aircraft position and orientation throughout the flight, and determine its response to control inputs, system failures, external disturbances, or other factors that could affect its trajectory. The data the ACPG uses to obtain this information includes but is not limited to the following:

- Wreckage location and condition.
- Aircraft Surveillance Radar (ASR 12) Radar Data.
- Digital Flight Data Recorder (DFDR) data.
- Cockpit Voice Recorder (CVR) information.
- Weather information.
- Weight and Balance Data.
- Tests and Researches

C.1 Wreckage Location and Condition:

Refer to the Wreckage and Impact Factual Information

C.2 Radar Data

Sharm el-Sheikh Radar

- General Specifications:

ASR 12 Radar (Aircraft Surveillance Radar)
Secondary 250 nm
Primary 60 nm
15 Revolution Per minutes approximately (Scan time = 4.13 sec)
Radar site location: 2758.057n/ 03421.985e (Lat. 27.96762 Degree north, Long. 34.36642 Degree east)
Radar Elevation: 299.3 ft

- Radar data of accident flight

Ref Time 0 seconds at 02-44-00	Time	Flight Level	Target	Code	Target lat. Degree North	Target long. Degree East
27	02-44-27		275831n0342325e		27.971833	34.3875
29	02-44-29		275828n0342322e		27.971333	34.387
33	02-44-33		275816n0342306e		27.969333	34.384333
37	02-44-37		275808n0342257e		27.968	34.376167
41	02-44-41		275751n0342256e	airborn	27.9585	34.376
45	02-44-45	6	275751n0342256e	a	27.9585	34.376
49	02-44-49	10	275731n0342238e	a	27.955167	34.373
53	02-44-53	10	275721n0342231e	a	27.9535	34.371833
57	02-44-57	11	275711n0342221e	a	27.951833	34.370167
61	02-45-01	13	275700n0342209e	a	27.95	34.368167
65	02-45-05	15	275646n0342203e	a	27.941	34.367167
69	02-45-09	17	275621n0342208e	a	27.936833	34.368
73	02-45-13	17	275623n0342150e	a	27.937167	34.358333

77	02-45-17	18	275613n0342154e	a	27.9355	34.359
81	02-45-21	18	275605n0342154e	a	27.934167	34.359
85	02-45-25	20	275537n0342157e	a	27.922833	34.3595
89	02-45-29	21	275556n0342203e	a	27.926	34.367167
93	02-45-33	23	275509n0342211e	a	27.918167	34.3685
97	02-45-37	25	275501n0342219e	a	27.916833	34.369833
101	02-45-41	27	275442n0342220e	a	27.907	34.37
105	02-45-45	30	275431n0342237e	a	27.905167	34.372833
109	02-45-49	36	275412n0342243e	a	27.902	34.373833
113	02-45-53	36	275414n0342256e	a	27.902333	34.376
117	02-45-57	39	275353n0342307e	a	27.892167	34.3845
121	02-46-01	42	275340n0342315e	a	27.89	34.385833
125	02-46-05	44	275330n0342320e	a	27.888333	34.386667
129	02-46-09	47	275325n0342329e	a	27.8875	34.388167
133	02-46-13	50	275309n0342337e	a	27.884833	34.3895
137	02-46-17	50	275254n0342341e	a	27.875667	34.390167
141	02-46-21	51	275252n0342340e	a	27.875333	34.39
145	02-46-25	51	275228n0342346e	a	27.871333	34.391
149	02-46-29	53	275220n0342345e	a	27.87	34.390833
153	02-46-33	52	275202n0342336e	a	27.867	34.389333
157	02-46-37	51	275144n0342317e	a	27.857333	34.386167
159	02-46-39	46	275156n0342325e	a	27.859333	34.3875
161	02-46-41	46	275139n0342320e	a	27.8565	34.386667
165	02-46-45	46	275141n0342248e	a	27.856833	34.374667
167	02-46-47	46	275159n0342236e	n	27.859833	34.372667
169	02-46-49	46	275201n0342227e	n	27.866833	34.371167
173	02-46-53	46	275208n0342207e	n	27.868	34.367833
177	02-46-57	46	275222n0342153e	n	27.870333	34.358833
181	02-47-01	46	275231n0342143e	n	27.871833	34.357167
185	02-47-05	46	275242n0342115e	n	27.873667	34.3525
189	02-47-09	46	275255n0342100e	n ---- missing SSR code	27.875833	34.35
191	02-47-13		275307n0342037e	missing beacon	27.8845	34.3395
207	02-47-27		275319n0342032e	Disappearance	27.8865	34.338667

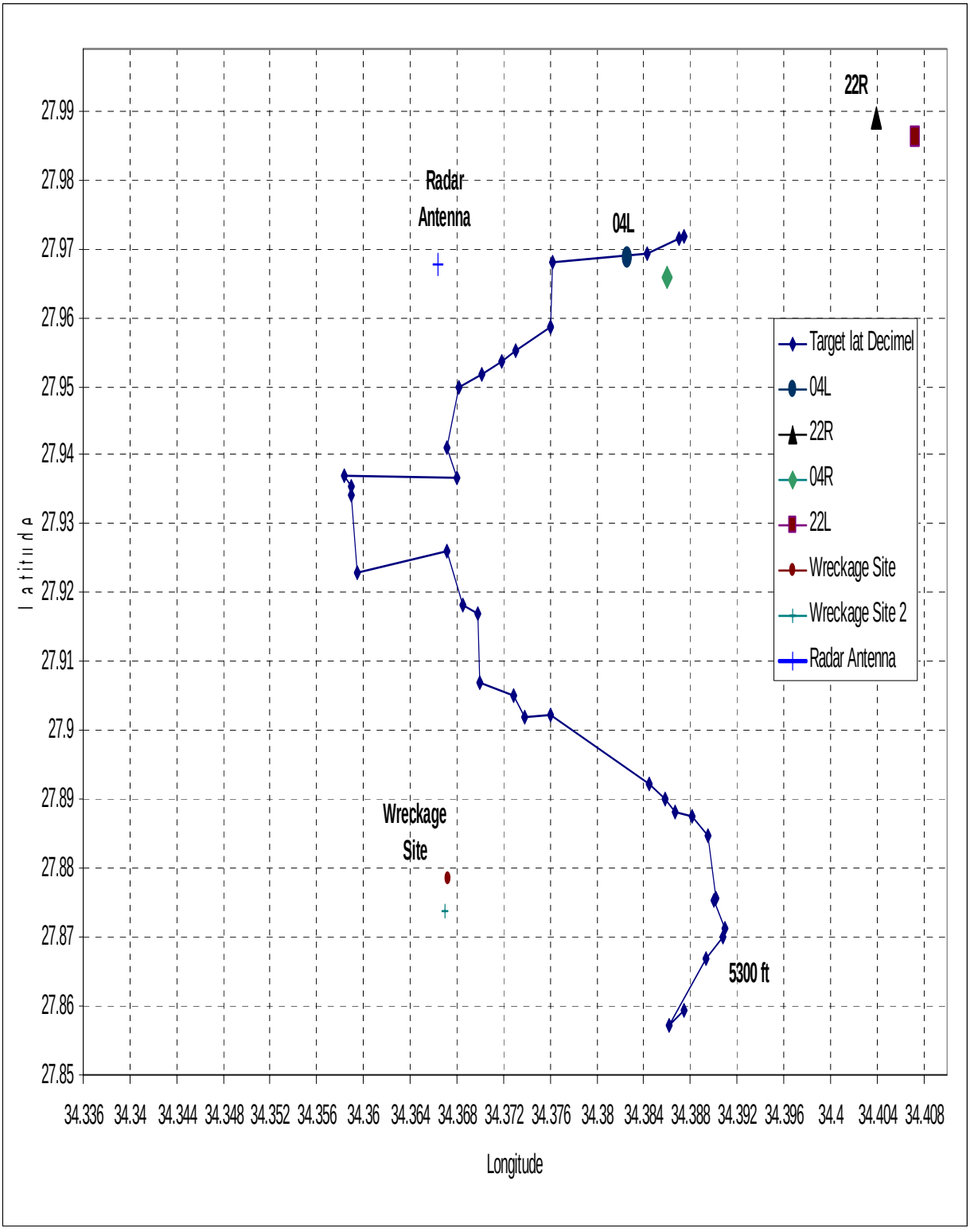


Figure C.2-1 Radar Data Plot, Sharm El Sheik Radar

Hurgada Radar

- General Specifications:

Radar site location: 2711.546N/03346.814E (Lat. 27.19243333 Degree north, Long. 33.78023 Degree east)

Radar Elevation: 176.344 ft

- Radar data of accident flight:

Ref Time 0 seconds at 02-44-00	Time	Events & Altitude	Coordinates	Code	Target lat. Degree North	Target long. Degree East
51	02 44 51	Initial Detection	275723N0342239E		34.37316667	27.95383333
53	02 44 53		275721N0342241E		34.3735	27.9535
57	02 44 57		275722N0342239E		34.37316667	27.95366667
61	02 45 01		275722N0342237E		34.37283333	27.95366667
65	02 45 05		275723N0342238E		34.373	27.95383333
69	02 45 09		275640N0342206E		34.36766667	27.94
72	02 45 12	1900ft	275616N0342159E	c	34.35983333	27.936
73	02 45 13	2000ft	275613N0342157E	c	34.3595	27.9355
77	02 45 17	2000ft	275605N0342150E	c	34.35833333	27.93416667
81	02 45 21	2100ft	275546N0342153E	c	34.35883333	27.92433333
85	02 45 25	2200ft	275538N0342159E	c	34.35983333	27.923
89	02 45 29	2300ft	275517N0342211E	c	34.3685	27.9195
93	02 45 33	2500ft	275506N0342213E	c	34.36883333	27.91766667
97	02 45 37	2700ft	275447N0342225E	c	34.37083333	27.90783333
101	02 45 41	2900ft	275434N0342231E	c	34.37183333	27.90566667
105	02 45 45	3200ft	275425N0342239E	c	34.37316667	27.90416667
109	02 45 49	3500ft	275407N0342246E	c	34.37433333	27.90116667
113	02 45 53	3800ft	275357N0342254E	c	34.37566667	27.89283333
117	02 45 57	4100ft	275345N0342304E	c	34.384	27.89083333
121	02 46 01	4300ft	275330N0342315E	a	34.38583333	27.88833333
125	02 46 05	4600ft	275328N0342318E	a	34.38633333	27.888
129	02 46 09	4900ft	275311N0342333E	a	34.38883333	27.88516667
133	02 46 13	5000ft	275257N0342341E	a	34.39016667	27.87616667
137	02 46 17	5100ft	275249N0342342E	a	34.39033333	27.87483333
141	02 46 21	5300ft	275232N0342353E	a	34.39216667	27.872
145	02 46 25	5300ft	275223N0342403E	a	34.4005	27.8705
148	02 46 28	Max. Alt.	275205N0342345E	a	34.39083333	27.8675

		5400ft				
149	02 46 29	5400ft	275206N0342357E	a	34.39283333	27.86766667
153	02 46 33	5300ft	275149N0342334E	a	34.389	27.85816667
157	02 46 37	5100ft	275143N0342317E	a	34.38616667	27.85716667
161	02 46 41	Descending 4600ft	275129N0342307E	a	34.3845	27.85483333
165	02 46 45	Still 4600ft	275136N0342254E	a	34.37566667	27.856
168	02 46 48	Still 4600ft	275123N0342234E	n	34.37233333	27.85383333
169	02 46 49	Still 4600ft	275125N0342235E	n	34.3725	27.85416667
173	02 46 53	Still 4600ft	275203N0342214E	n	34.369	27.86716667
177	02 46 57	Still 4600ft	275206N0342153E	n	34.35883333	27.86766667
181	02 47 01	Still 4600ft	275208N0342143E	n	34.35716667	27.868
185	02 47 05	Still 4600ft	275212N0342119E	n	34.35316667	27.86866667
188	02 47 08	Missing SSR&Still 4600ft	275213N0342105E	n	34.35083333	27.86883333

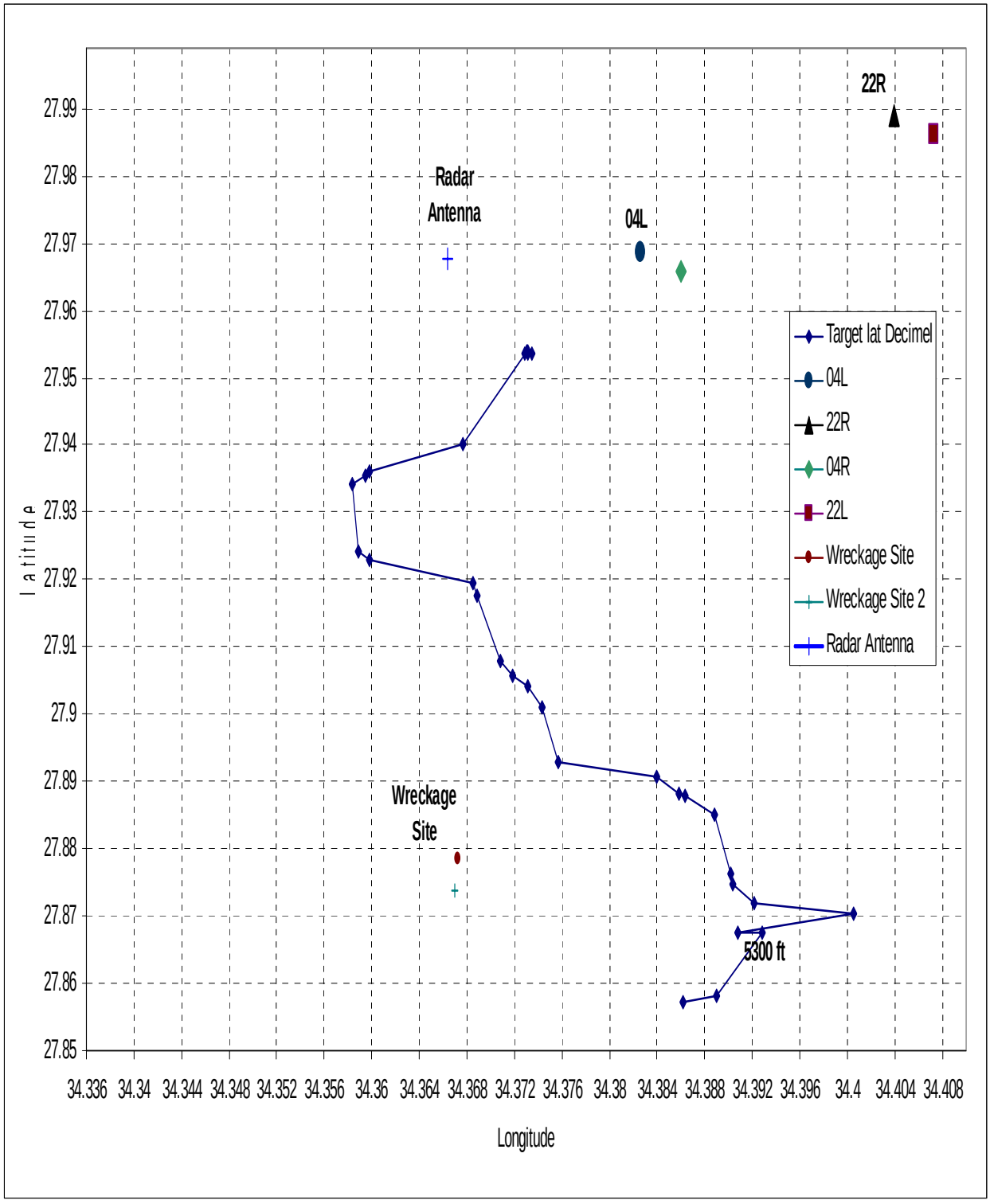


Figure C.2-2 Radar Data Plot, Sharm El Sheik Radar

C3. Digital Flight Data Recorder (DFDR) data.

Refer to FDR Factual Report

C4. Cockpit Voice Recorder (CVR) information.

Refer to FDR Factual Report

C5. Weather Information

Sharm El Sheikh does not provide Automatic Terminal Information Service (ATIS).

The SSH weather at 0200Z was reported as:
270 degrees at 06 knots, ceiling and visibility OK (CAVOK), temperature 17 degrees Celsius, dew point minus 6 degree Celsius, altimeter 1011 HectoPascals (hPa), No significant change (NOSIG).

The SSH weather at 0300Z was reported as:
280 degrees at 08 knots, ceiling and visibility OK (CAVOK), temperature 17 degrees Celsius, dew point minus 6 degree Celsius, altimeter 1011 HectoPascals (hPa), No significant change (NOSIG).

C6. Weight and Balance Data.

According to the Egyptian Civil Aviation Regulations, ECAR 91 Appendix H attachment 1 the aircraft has to be reweighed every three years. Furthermore, aircraft must be reweighed if the effect of modifications on the mass and balance is not accurately known. Flash Airlines aircraft was weighed last time on December 19, 2002 in Braathens SAFE, Stavangar, Norway and recalculated by Flash Airlines after the reinforced cockpit door modification installation on November 1st, 2003, and the results were as follows.

Empty Weight	:	70794 lbs
Moment	:	45921358.6 lb.in
% AMC	:	17.42%

The Flash Airlines weight and balance calculations provided to the flight crew contained the following information[1]:

	Weight (kilograms)	
Total Traffic Load	11,450[2]	
Dry Operating Mass	33,200	
Actual Zero Fuel Mass	44,650	
Maximum Zero Fuel Mass	47,627	
Takeoff Fuel	7,000	
Actual Takeoff Mass	51,650	
Maximum Takeoff Mass (Certificate Limi	63,276	
Landing Mass	49,650	
Maximum Landing Mass (Certificate Lim	51,709	

Zero Fuel Mass Center of Gravity (CG)	20.0%	
Zero Fuel Mass CG Limits[3]	8.0% Forward	28.4% Aft
Takeoff Mass CG	18.0%	
Takeoff Mass CG Limits[4]	6.7% Forward	27.9% Aft

[1] See attached Flash Airlines Load and Trim Sheet.

[2] A review of the Load and Trim Sheet indicated a low 100-kilogram error. The total cargo weight plus passenger mass (Total Traffic Load) should be 11,550 kilograms. Correspondingly, the Zero Fuel Mass, Takeoff Mass, and Landing Mass will be low in error by the same 100-kilogram Mass.

[3] Estimated Zero Fuel Mass CG limits were derived from Flash Airlines Load and Trim sheet index chart based upon a Zero Fuel Mass of 44,650 kilograms.

Stabilizer Trim settings for takeoff were:

Flaps 1 or 5 4 ¾ Units
Flaps 15 3 ¾ Units

According to the Flash Airlines Flight Operations Manual Chapter 6, Paragraph 6.1.8.3, Passenger and Baggage Masses, the following chart was published:

	Male	Female
All flights except	88kg	70kg
Holiday	83kg	69kg
Children	35kg	35kg

A review of the accident Load and Trim Sheet indicated a Passenger Mass of 9,450kg. If 350kg is removed for 10 children (10 x 35kg) the result is 9,100kg. Dividing the 125 adult passengers into the 9,100kg would give an average value of 72.8kg per adult passenger.

Using the table above, and assuming 50% Male and 50% Female adult passengers, the worst-case difference in weight calculation would be the following:

The average weight of male and female for all flights except would be 88kg + 70kg / 2 = 79kg per adult passenger.

79kg x 125 passengers = 9,875kg

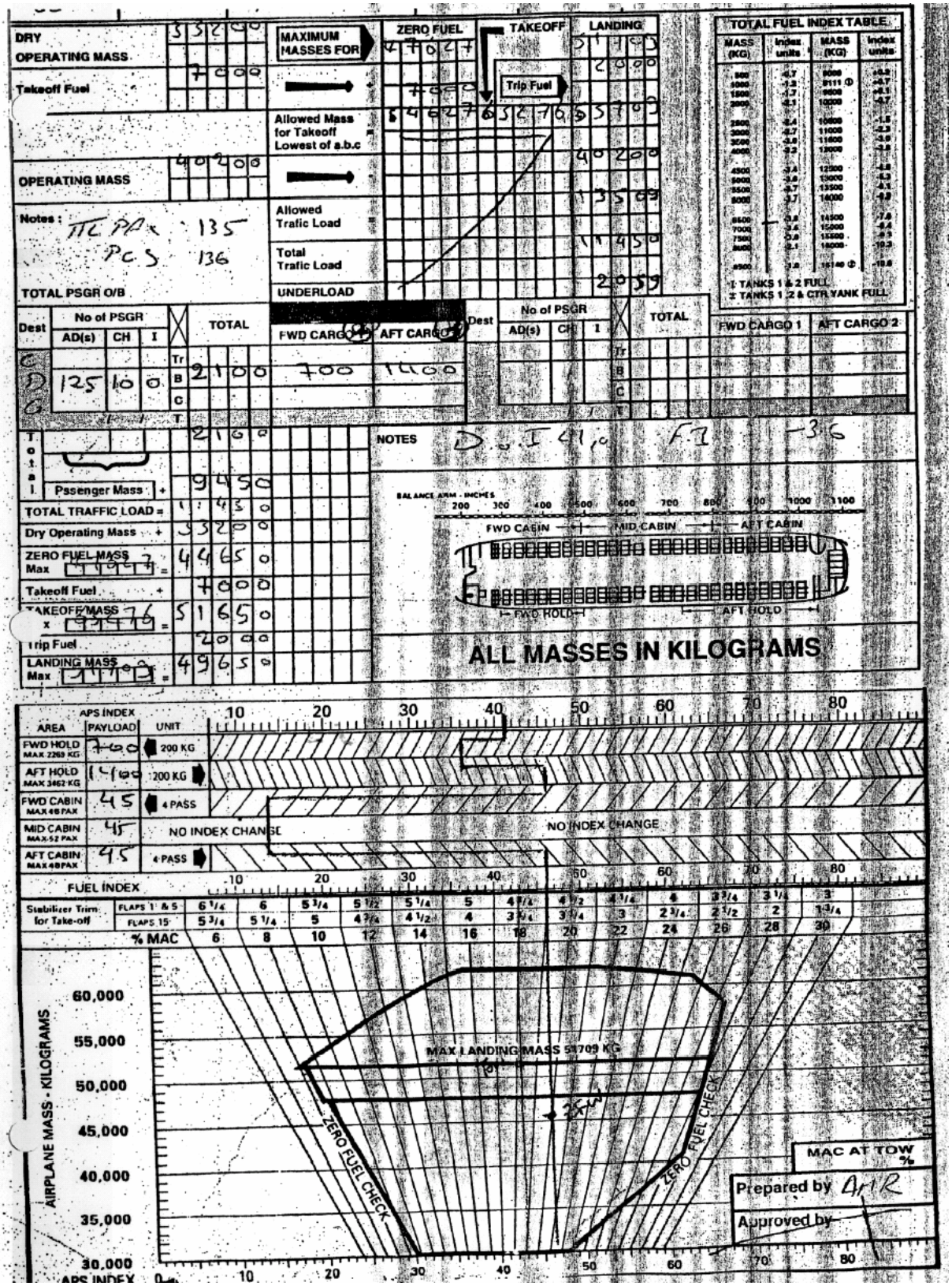
The represents an increase in weight of 775kg.

Using this value for Load and Trim calculations provided the following information:

Takeoff CG 18.2%MAC
Zero Fuel Mass CG 20% MAC
Takeoff Trim (flaps 5) 4 ¾ Units

These worst-case differences in values for passenger weight still fall within structural and calculated limitations for the airplane.

[4] Estimated Takeoff Mass CG limits were derived from Flash Airlines Load and Trim sheet index chart based upon a Takeoff Mass of 51,650 kilograms.


DRY OPERATING MASS
Takeoff Fuel
OPERATING MASS
Notes: TTL PAX 135
PCS 136
TOTAL PSGR O/B
MAXIMUM MASSES FOR
Allowed Mass for Takeoff Lowest of a.b.c
Allowed Trafic Load
Total Trafic Load
UNDERLOAD
ZERO FUEL
TAKEOFF
LANDING
Trip Fuel
TOTAL FUEL INDEX TABLE
MASS (KG)
Index units
Dest
No of PSGR
AD(s)
CH
I
TOTAL
FWD CARGO
AFT CARGO
FWD CARGO 1
AFT CARGO 2
NOTES
Total
Pssenger Mass
TOTAL TRAFFIC LOAD
Dry Operating Mass
ZERO FUEL MASS Max
Takeoff Fuel
TAKEOFF MASS Max
Trip Fuel
LANDING MASS Max
BALANCE ARM - INCHES
FWD CABIN
MID CABIN
AFT CABIN
FWD HOLD
AFT HOLD
ALL MASSES IN KILOGRAMS
APS INDEX
AREA
PAYLOAD
UNIT
FWD HOLD MAX 2269 KG
AFT HOLD MAX 3462 KG
FWD CABIN MAX 48 PAX
MID CABIN MAX 52 PAX
AFT CABIN MAX 48 PAX
200 KG
4 PASS
NO INDEX CHANGE
FUEL INDEX
Stabilizer Trim for Take-off
FLAPS 1 & 5
FLAPS 15
% MAC
AIRPLANE MASS - KILOGRAMS
60,000
55,000
50,000
45,000
40,000
35,000
30,000
MAX LANDING MASS 51709 KG
ZERO FUEL CHECK
MAC AT TOW %
Prepared by
Approved by

C7. Tests and Research

The FDR records the movements of the pilot's controls (e.g. control column, control wheel position and rudder pedals), the movement of the control surfaces (e.g. elevator, aileron and rudder) as well as motion of the airplane (e.g. pitch and roll attitude and heading angle). The performance evaluation was conducted to determine if the control surfaces were responding normally to the pilot's controls and if the airplane was responding normally to movement of the control surfaces.

In order to accomplish this work, Boeing's 737-300 aerodynamic simulation model was used to recreate the accident flight. The simulation calculates the response of the airplane to movement of the flight control surfaces – for example, it can calculate the roll rate resulting from a 10 degree deflection of the ailerons. The simulation has been verified by comparison against actual flight test data and was used for the design and certification of the 737-300 airplane. In addition, the simulation is the basis for 737-300 crew training simulators used around the world. It should be noted that the 737-300 simulation model is essentially a computer program that represents a nominal airplane with nominal engines. Small differences between the simulation and individual airplane's behavior are common and expected due to differences in control surface rigging, engine wear, and other normal tolerances.

Performance Evaluation
FDR data are recorded at relatively low sample rates and are recorded from different sources, some of which have inherent biases. Because of these issues, a kinematic consistency (KINCON) process was used to supplement the FDR data and calculate additional parameters to be used in the performance analysis. Kinematic consistency analysis is a general practice for processing flight data (either flight test data or FDR data) to ensure consistency of position, speed, and acceleration data.

C7.1 Baseline Simulation
A baseline simulation recreation of the accident flight was started just as the airplane turned onto the runway and the throttles were advanced, and the simulation was stopped at the end of the FDR data. Because the simulation can calculate the response of the airplane to control inputs, a set of control input time histories (column, wheel, and rudder movements) can be determined that results in the simulation following the same path as the accident airplane. It is important to note that this process does not use the control or surface position data recorded on the FDR, only the path information (e.g. accelerations, attitude and altitude).

Comparisons between the recorded FDR data and the simulation time history data are provided for longitudinal and lateral/directional data in Figures Figure C7-1 and Figure C7-2 respectively.

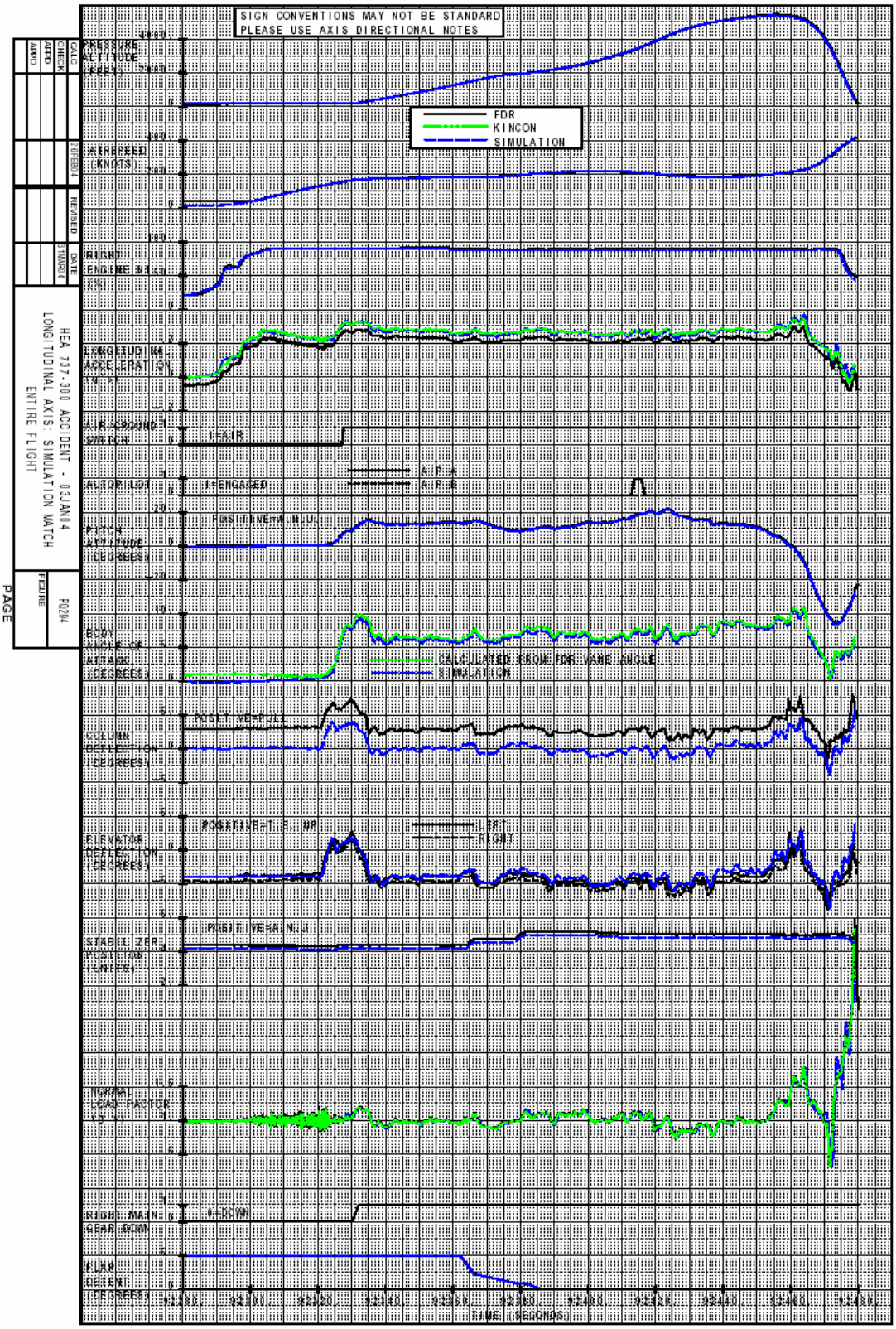


Figure C7-1 – FDR and Simulation Match Data – Longitudinal Axis

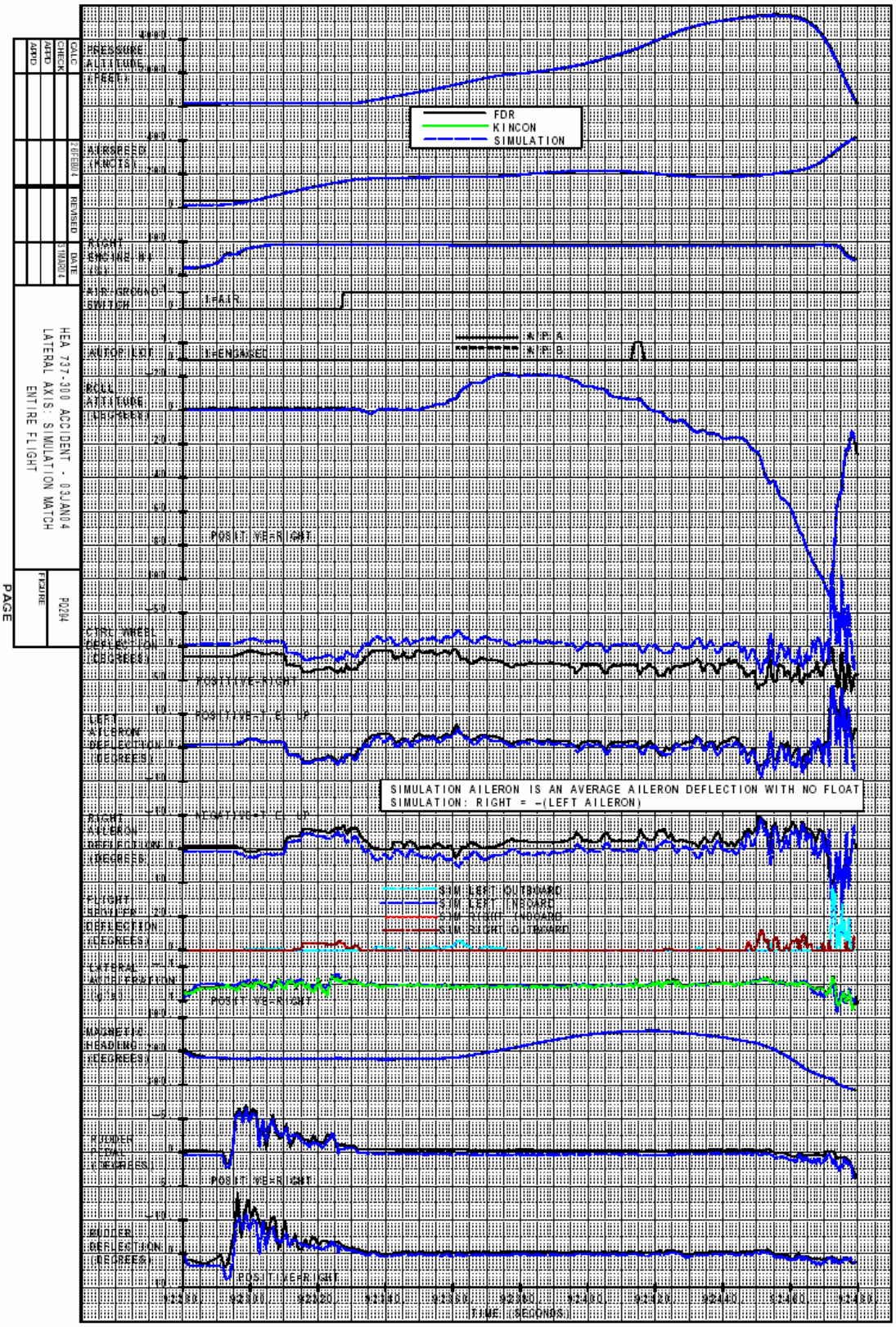


Figure C7-2 – FDR and Simulation Match Data – Lateral/Directional Axis

An examination of the baseline simulation revealed that the path of the accident airplane is consistent with the recorded motion of the control surfaces. Specifically, the extreme bank attitude that occurs towards the end of the flight is consistent with recorded motion of the ailerons.

The simulation also revealed that the motion of the control surfaces is consistent with the recorded motion of the control inputs, with the exception of control wheel

C7.2 Hypothetical Faults resulting in a rolling moment

Several hypothetical airplane system faults were examined to determine if any could have resulted in the right roll behavior recorded on the FDR. These faults included:

- Uncommanded deployment of the #1 slat
- Uncommanded spoiler deflection to full travel (hardover)
- A spoiler disconnected from its actuator (spoiler float)
- Flap asymmetry
- Thrust asymmetry
- Unrecorded rudder motion

The hypothetical faults listed above are similar in that they each create a rolling moment unrelated to the position of the ailerons that will cause the airplane to bank. That is to say, if one of these faults had occurred, the path of the airplane would have differed from that predicted by the recorded position of the ailerons.

Multi-Purpose Engineering Cab Simulator

Additional tests were conducted at Boeing's multi-purpose engineering cab simulator or M-Cab. The M-Cab is similar to a flight crew training simulator in that it consists of a realistic flight deck mounted on a movable base. The M-Cab includes a visual system providing out-the-window views to the flight crew. Because the M-Cab is used to simulate the flight deck of many different Boeing models, actual flight instruments are not used. Instead, a large LCD display is programmed to simulate the flight instrument displays. Examples of the M-Cab's flight instrument displays for the 737-300 are shown in section 1.6.2.

Major differences between the M-Cab and a typical flight crew training simulator are listed below.

- The M-Cab can simulate different model airplanes including 707, 727, 737, 747, 757, 767, and 777.
- The M-Cab can be reprogrammed to simulate a wide variety of hypothetical aircraft system faults.
- The M-Cab can be "backdriven" to reproduce recorded data, such as the simulation match to the accident flight discussed in section 1.16.2. In addition, the backdrive can be interrupted at any point with a transition to normal simulator operation at the current flight conditions. This capability (known as "breakout" allows pilots in the simulator to attempt to recover the airplane from various points in the accident profile.
- The operation of the M-Cab is recorded at a high sample rate

The M-Cab was used to recreate the accident flight as well as to study a number of hypothetical airplane system faults.

Tests conducted in the M-Cab

The M-Cab was used to examine some of the faults mentioned in section 1.16.3, as well as a number of other hypothetical faults affecting the lateral control system or the autopilot system. M-Cab tests included:

- Backdrive of FDR data
- Backdrive with breakout at 02:44:44
- Backdrive with breakout at 02:44:56
- Spoiler float
- Uncommanded aileron trim to full authority
- Uncommanded aileron trim to half authority
- Autopilot servo actuator hardover without force limiter engaged
- Autopilot servo actuator hardover with force limiter engaged
- Autopilot servo actuator hardover with pressure regulator and relief valve inoperative

The tests in the M-Cab were conducted with an out-the-window scene equivalent to that available to the accident pilots with the following exceptions:

1) The visibility conditions simulated (ceiling and visibility unlimited at night with no moon) were those reported at the airport at the time of the accident. Actual visibility conditions on the flight deck at the time of the accident are unknown.
2) The ground in the vicinity of Sharm el-Sheikh was depicted through the use of satellite photography taken during daylight hours. It did not represent the nighttime scene of street lights, building lights, etc. against an otherwise dark landscape.

Exhibit E

Site and Wreckage Group Factual Report

Site and Wreckage Group Report

1. Summary of the Accident

On 3 January 2004, Flash Airlines flight FSH604, a Boeing 737-300 registered as SU-ZCF, operating as a chartered flight from Sharm el-Sheikh, Egypt to Paris, France, via Cairo departed from Sharm el-Sheikh airport (SSH) at approximately 02:40 UTC. The airplane crashed into the Red Sea approximately 6 nautical miles southwest of the airport at approximately 02:44 UTC.

2. Scope of Site and Wreckage Group Field Notes

The scope of this report is the recovery operations that took place from 3 January 2004 through 28 January 2004 in the Red Sea off Sharm el-Sheikh, Egypt and initial inspection for the recovered parts. Recovery operations initially consisted of the recovery of floating wreckage elements only. Recovery of the underwater wreckage (including FDR and CVR) began when the first ship equipped with a suitable Remote Operated Vehicle (ROV), arrived at the accident scene on 11 January 2004.

This report provides a summary of the recovery operations and documents the wreckage that was identified and recovered.

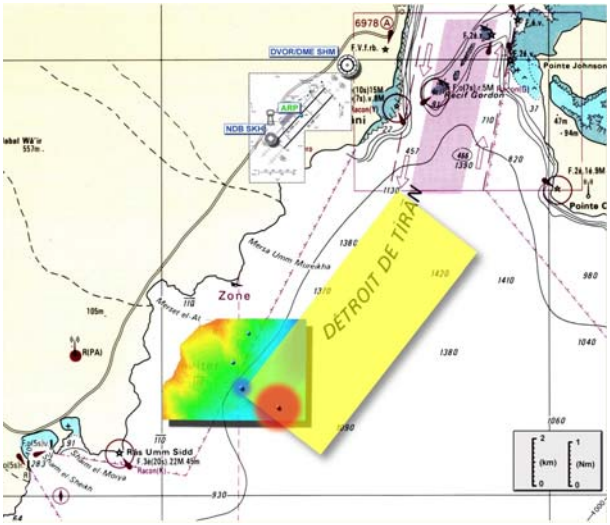
3. Recovery Operations

3.1 Survival aspects

The initial search for possible survivors and the recovery of bodies were priorities for the rescue and investigation teams. Rescue teams were on site minutes after the accident. They searched for survivors but due to the high energy impact of the aircraft with the sea surface, the depth of the water in this area, their efforts were unsuccessful in recovering any survivors.

Efforts were made to locate human remains by use of deep sea cameras and robots but were also not successful due to the location of the wreckage and the depth of more than 1000 meters.

3.2 Floating Wreckage



The floating wreckage which was recovered shortly after the crash was stored in a hangar in Sharm el-Sheikh airport. On 11 January 2004, the Site and Recovery Group met in the hangar for wreckage inspection. The wreckage was then identified (as much as possible), inspected, segregated (aircraft parts or personal effects). Later, the personal effects were transferred to the Egyptian Legal Authority in Sharm el-Sheikh. A database for the floating wreckage was created (including wreckage pictures).

3.3 Underwater Wreckage

Because of the depth of the Red Sea in the area where the accident occurred (approximately 1000 meters), specialized recovery resources were required for the submerged wreckage. The French vessels “Ile de Batz” and “Janus II” were contracted to conduct the underwater wreckage survey and recovery. Both vessels were equipped with deep water recovery capabilities consisting of submersible Remotely Operated Vehicles (ROV). The necessary support equipment to accurately locate and map the airplane wreckage was provided by the French Navy. An oceanographic vessel, the “Beautemps-Beaupré” was sent to the accident site to undertake a bathymetry (depth mapping) of the seabed and a survey of tidal currents.

3.4 FDR / CVR Recovery

The initial focus of the underwater recovery operation was finding and retrieving the protected recorders, the Cockpit Voice Recorder (CVR) and Flight Data Recorder (FDR) and mapping the searched areas. Each recorder is equipped with an acoustic transmitter, called a “pinger” that transmits a detection signal that can be used to locate the box. Based on the initial determination of pinger locations, the ROV from Ile de- Batz, Scorpio, began a visual search using its cameras to find the recorders. To refine the location of the pingers, a network of sonobuoys (GIB, GPS Intelligent Buoys), (see Exhibit E Attachment 4 for detailed description of this operation), was employed in a cooperative effort between the French and Egyptian Navies. This method produced a new pinger position accurate to within 10 meters and the ROV was moved to the new location. A visual search of a grid created around the new pinger location resulted in discovery of the FDR on 16 January 2004. The FDR was recovered by the ROV and taken onboard the Ile de Batz. Custody of the recorder was transferred to the Investigator in Charge (IIC) at the port of Sharm El Sheikh.

The pinger of the second recorder (CVR) was initially identified approximately 800 meters north of the first pinger. However, it was decided to continue the visual search using grids in the area where the first recorder was found. This search was successful and resulted in finding of the CVR on 17 January 2004 (approximately 24 hours after the FDR). It was also taken onboard the Ile de Batz and custody was transferred to the Investigator in Charge (IIC) at the port of Sharm El Sheikh.

FDR underwater Location: N27 52.3605, E34 22.0165.
CVR underwater Location: N27 52.3467, E34 22.0207.

The recorders were both sent to Cairo for read out and analysis.

The focus of the recovery operation then changed to detailed mapping of the wreckage and recovery of selected airplane equipment. In addition, the recovery operation included recovery of any equipment deemed important to the investigation based on the review of the FDR and CVR in Cairo.

3.5 Wreckage Mapping

During the structured search for the recorders, the position (latitude and longitude) and description of surveyed wreckage was recorded. Following recovery of the FDR and CVR, additional grids were defined for ROV operations. These grids were used to systematically survey and document the entire wreckage area. The positions of large pieces, such as the three landing gears and the cores of the two engines were identified.

Data from both ships involved in mapping and recovery were consolidated into a single listing of all surveyed wreckage, which is included herein as Exhibit E Attachment 5.

The distribution of wreckage is included within a rectangle of approximately 275 by 440 meters defined by the following corner point coordinates:

North corner:	N 27°52,559 E 34°21,933
East corner:	N 27°52,410 E 34°22,126
South corner:	N 27°52,294 E 34°22,022
West corner:	N 27°52,450 E 34°21,817

Multiple surveys of the area confirmed the containment of the wreckage within these established boundaries.

3.6 Recovered Wreckage

The investigation team developed a strategy for wreckage recovery based on the review of the FDR and CVR undertaken in Cairo. Flight control actuation components and flight deck systems were considered as a priority.

A system was developed for recording the description, external dimensions and the location, in latitude and longitude coordinates, of all recovered wreckage pieces. A database of recovered floating wreckage is included herein as Exhibit E Attachment 5. Another database documenting all wreckage recovered by Ile de Batz and Janus II is included as Exhibit E Attachment 5. Both databases reference digital images of all floating and recovered wreckage.

Recovered wreckage was stored aboard the ships in sea water until taken ashore and loaded onto trucks. All of the recovered wreckage is stored in a hangar at Sharm El Sheikh Airport and is under the control of the investigative authorities.

4. Partial list of the Recovered Wreckage

- Parts of the horizontal stabilizer central section structure (called “Texas Star”), elements of the elevator structure and components of the elevator control system, including both elevator PCU's (Power Control Unit), both autopilot actuators, the feel and centering unit including the feel actuator.
- Horizontal stabilizer jackscrew and actuator gearbox.

- Vertical stabilizer structure with rudder control system components, including the main rudder PCU and standby rudder PCU, the feel and centering mechanism and with the trim actuator.
- Aileron PCU, spoiler mixer and TBD spoiler actuators.

5. Initial observations

- The two engines were found approximately 24 meters apart
- The left and right main landing gear assemblies were found in between the two engines
- The recovered thrust reverser actuator was found retracted
- The recovered leading edge flap actuator was found retracted
- The recovered trailing edge flap jackscrew indicates that flaps were retracted
- The stabilizer jackscrew was measured at 7.5 inches between the flat of the ball nut and the flat of the end stop which corresponds to a stabilizer leading edge position between 2 and 3 degrees down or a trim unit setting between 5 and 6 pilot units.[1]

6. Wreckage Data bases and Photos

The full data base and photos of the wreckage are on a CD, which is available at the Egyptian Civil Aviation Ministry (MCA). This CD contains:

a. A folder with three Excel files for wreckage complete data base.
   i. Floating Wreckage data base.
   ii. Recovered Wreckage data base.
   iii. Underwater Surveyed Wreckage data base.

b. A folder for photos with four sub-folders
   i. Floating Wreckage Photos: 104 photos.
   ii. Recovered Wreckage Photos: 98 photos.
   iii. Underwater Surveyed Wreckage Photos: 330 photos.
   iv. Wreckage Recovery Process Photos: 25 photos

[1] B737-300 Aircraft Maintenance Manual 27-41-00

Exhibit E
Attachment 1

Water Depth at Sharm el-Sheikh

Water Depth at Sharm el-Sheikh

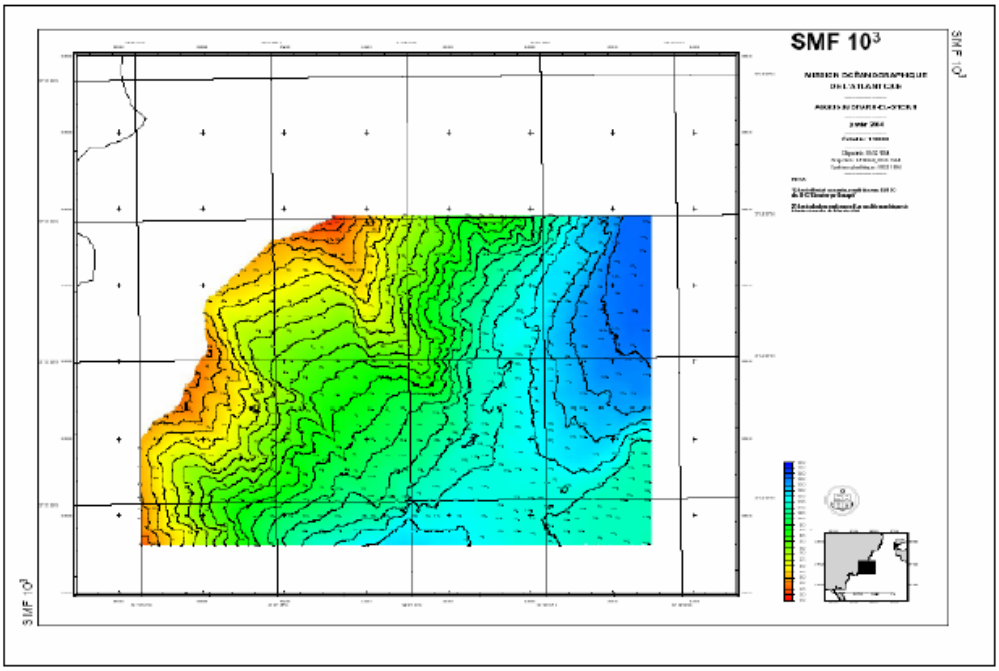
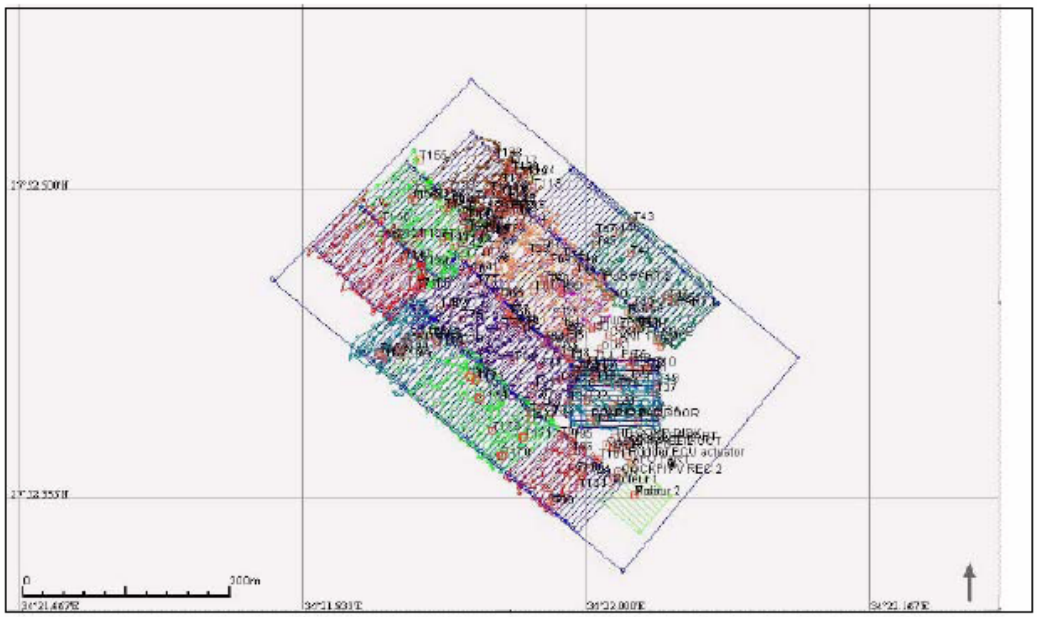


Exhibit E
Attachment 2

Search Areas

Search Areas



Total Search Areas with ROV Search Lines

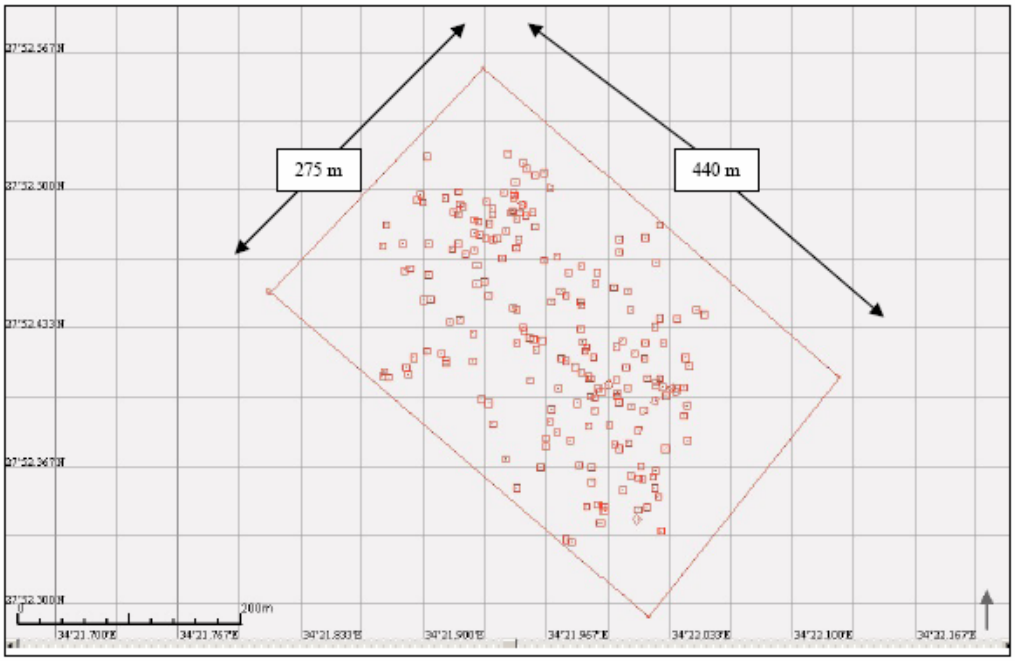


Exhibit E
Attachment 3

FDR and CVR Locations

FDR and CVR Locations

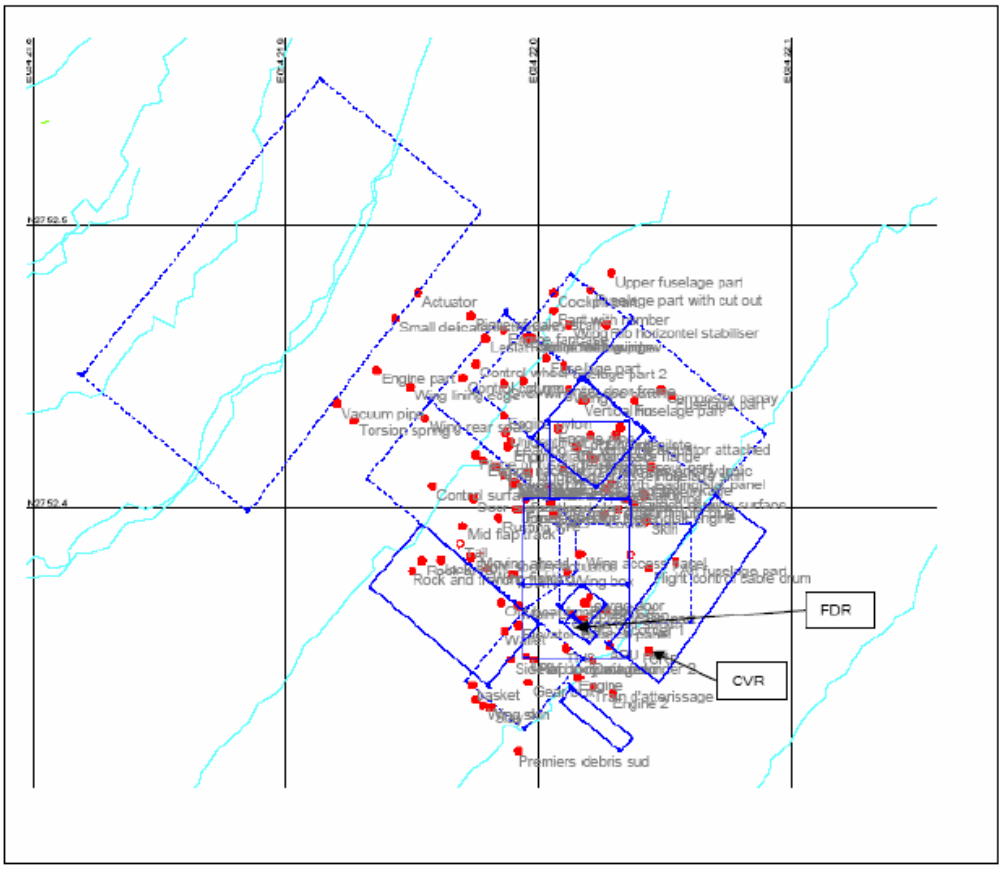


Exhibit E
Attachment 4

Use of a GIB System For Recorders Recovery

Use Of A GIB System For Recorders Recovery

A flight recorder immersed under water can be located by the signals (1 bip/second with 37,5 kHz (±1 kHz)) transmitted by the ULB beacon (pinger) attached to the recorder. This pinger starts as soon as it is in contact with water and is designed to transmit this signal for at least thirty days.

The French Navy used an acoustic detector assembled on a pole called "Helle" which tracks signals on frequencies ranging from 7 to 50 kHz. This detector has two reception antennae, one omni-directional and the other directional. It was connected to an audio system that controlled the frequencies and was coupled with a GPS positioning system.

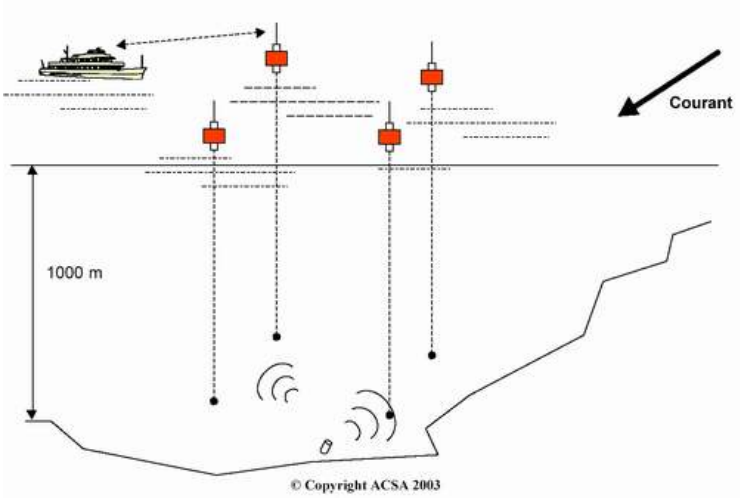
The first stage in the search consisted of checking signal transmissions and defining an general area using the omni-directional antenna. The seafloor being uncharted at that time, locating the beacons was complicated by possible reflections from the transmitted sound waves and possible secondary echoes. The next stage consisted of taking successive bearings using the directional antenna so to get a more precise fix.

This acoustic search determined two possible positions for the beacons: one to the south with a position considered as nominal since it could be picked up from all bearings, but which was transmitting more weakly than the one identified further north. The measurements and calculations performed gave an estimated depth of around one thousand meters.

To confirm these results, the USBL (ultra short base line - acoustic positioning) of the *Ile de Batz* (the first recovery ship on site) was later temporarily modified (in coordination with its manufacturer Sonardyne) and adapted to the reception of the signals transmitted by the southern pinger. These results confirmed the presence of a transmission source beneath the *Ile de Batz* which had been positioned directly above the estimated position.

To narrow the search area, the French Navy contracted ACSA to supply a GIB system (GPS Intelligent Buoys). They adapted a network of four acoustic receivers, combined with GPS information, to conduct a search at a depth of around one thousand meters .

The hydrophones, immersed 450 meters down around the initial identified position, drifted with the current while permanently transmitting information on their position and any signals received. An algorithm integrated all data to determine the recorder’s fixed position.



The ROV started searching for the recorders using its cameras based on an initial determination of the position of its beacon. This position was then refined by the ACSA system. That produced a theoretical position with a precision of plus or minus ten meters over one hundred meters.

Squares of twenty by twenty meters were systematically searched by the ROV.

The FDR was discovered on 16th January 2004 approximately twelve meters from the computed position.

On the basis of the initial analysis of wreckage distribution, it was decided to define a zone to the south of the position of the FDR. The CVR was found on 17th January 2004 in a nearby traced square.

Exhibit E
Attachment 5

Wreckage Database
(Floating, Recovered, Surveyed)

Ident. Tag No.	Item Description				ATA 2 digit	L/C/R	Length (in)	Width (in)	Description
	Exam Date	Nomenclature	Part No. "_"=unreadable "?"=uncertain digit	Serial No.					
FW1	10-Jan-04	Inboard Spoiler Panel	65-46452-62A	MA4836	27		48	20	
FW2	10-Jan-04	Fuselage Frame Segment	65C27018-1		53		28	20	Fuselage frame segment that includes ground stud GD03004D
FW3	10-Jan-04	Fuselage Frame Segment	69-35352-14		53		10	20	Fuselage frame segment with handwritten notation "400"
FW4	10-Jan-04	Spoiler Panel Fragment	65-46451-70A	MA15971	27		52	11	
FW5	10-Jan-04	Outbd Foreflap Section			27		39	11	Leading edge crushed
FW6	10-Jan-04	Aft flap segment	65-4_870-132		27		22	10	
FW7	10-Jan-04	TE Lower panel	65C25559-1?6		57		40	30	Rib P/N 65-52126-26
FW8	10-Jan-04	Outbd Spoiler	65-46451-70A	MA15970	27		26	21	
FW9	10-Jan-04	Inbd Spoiler			27		58	19	Bulb Seal P/N __-60754-23_
FW10	10-Jan-04	Aft flap segment	65-47870-15? Or -16?		27		33	16	
FW11	10-Jan-04	Aft outbd flap segment	65-46435-281	18__	27		35	14	
FW12	10-Jan-04	Aft flap segment	65-46435-282	1890	27		24	15	
FW13	10-Jan-04	Inbd flap segment	__-47870-154		27		30	17	
FW14	10-Jan-04	Outbd foreflap segment			27		20	8	
FW15	10-Jan-04	Spoiler panel segment			27	L?			Bulb seal P/N 10__0754-23?8 or -28?8 Actuator rod end shows signs of corrosion on a portion of the fracture surface
FW16	10-Jan-04	#3 Spoiler	65-46451-708	MA15952	27	L			Spoiler position determined by position transmitter fitting on inbd leading edge lower surface
FW17	10-Jan-04	Inbd foreflap segment	65-46430-134 (rib)		27				
FW18	10-Jan-04	Aft flap segment			27		39	17	
FW19	10-Jan-04	Aft flap segment			27				Possibly outboard
FW20	10-Jan-04	Outbd aft flap segment			27				
FW21	10-Jan-04	Spoiler			27				
FW22	10-Jan-04	Inbd spoiler segment			27				

Ident. Tag No.	Item Description				ATA 2 digit	L/C/R	Length (in)	Width (in)	Description
	Exam Date	Nomenclature	Part No. "_"=unreadable "?"=uncertain digit	Serial No.					
FW23	10-Jan-04	#6 spoiler segment			27				Segment of wing web stuck in spoiler direction of travel of wing piece forward and up relateive to spoiler
FW24	10-Jan-04	Spoiler fragment	65-46451-708	MA15973	27				
FW25	10-Jan-04	RH lower fin fairing	65-48249-24		55	R			
FW26	10-Jan-04	Outbd aft flap			27	L	84	18	
FW27	10-Jan-04	Elevator or aileron fragment with trim tab			27		31	22	
FW28	10-Jan-04	Aft flap fragment	_____7870-90 (LE rib)		27		32	15	
FW29	10-Jan-04	Foreflap			27		36	12	
FW30	10-Jan-04	LH elevator upper surface	65C25746-147		27	L	20	14	
FW31	10-Jan-04	Inbd aft flap segment			27		24	12	
FW32	10-Jan-04	Trim tab segment	65C25797-18	135__	27		17	6	
FW33	10-Jan-04	Graphite trim tab			27		20	6	
FW34	10-Jan-04	Fixed TE wing upper panel			57		22	9	
FW35	10-Jan-04	Trailing edge structure			57		18	14	
FW36	10-Jan-04	Elevator segment			27		40	20	
FW37	10-Jan-04	Access Panel #910BL			57		28	14	
FW38	10-Jan-04	RH elevator trim tab	65C26384-26A	402347D	27		30	6	
FW39	10-Jan-04	Elevator TE segment			27		33	18	
FW40	10-Jan-04	Rudder fragment			27		33	17	
FW41	10-Jan-04	Elevator or aileron TE segment			27		29	25	
FW42	10-Jan-04	Elevator or aileron TE segment			27		24	19	
FW43	10-Jan-04	Wing LE lower access panel	65C26278-21		57		11	14	
FW44	10-Jan-04	Elevator TE panel			27		22	16	

Ident. Tag No.	Item Description				ATA 2 digit	L/C/R	Length (in)	Width (in)	Description
	Exam Date	Nomenclature	Part No. "_"=unreadable "?"=uncertain digit	Serial No.					
FW45	10-Jan-04	Rudder Fragments (many)			27				This item number describes a collection of many fragments, most about 12'x12' or less
FW46	10-Jan-04	TE Panel?	65C27482-44		57				
FW47	10-Jan-04	Wing body fairing fragment			53		22	21	
FW48	10-Jan-04	Slide bottle	64236-3 (Air Cruisers)		25				"ALT 749 855"
FW49	10-Jan-04	Slide bottle	D17851-31 (Air Cruisers)		25				
FW50	10-Jan-04	Slide bottle	630120 (BF Goodrich)		25				Structural Composites P/N 1270274
FW51	10-Jan-04	Slide bottle	D17977-3 (Air Cruisers)		25				"ALT 210A-6011" Structural Composites P/N 1270274
FW52	10-Jan-04	Oxy Bottle	_801307 and _0B50087		25				
FW53	10-Jan-04	Escape Slide (fwd)	10-61323-478	2206	25				Air Cruisers P/N D31591-478 Serial No. 2206
FW54	10-Jan-04	Life Vests (qty 13)			25				3 crew unfired squib 5 pax unfired squib 1 pax one squib fired, one unfired 4 pax without squib
FW55	10-Jan-04	Escape Slide (aft)	10-61323-?	726A	25				Air Cruisers P/N 61621-46

Ident. Tag No.	Item Description						
	Nomenclature	**Part No.** "xx"=unreadable or uncertain digit(s)	**Serial No.**	**Length** (in)	**Width** (in)	**Height** (in)	**Description**
RW1	Horizontal Stabilizer Jackscrew Actuator Gearbox	Forging 65-49964-6		28	10.5	9.5	Screw endstop spline exposed Ballscrew fractured at 0.75 in. from spline shoulder. Safety rod failed at 1.5 in. from spline shoulder.
RW2	Thrust Reverser Actuator	DR MO6118, WO9013550, 81205, 315A808-x, 315A1810-3		28.5	10	5	Ports with "RET" and "EXT"
RW3	Structure			8	5	2	
RW4	Flap Transmission	69-73301-1	8592	30.5	6.5	4.5	Dimension from nut flat to end stop of screw is 21 7/8 in. Dimension from end stop flat to end of part is 2 in.
RW5	Cable Quadrant with Cable	4308xx	0748	6.5	6	3.5	Attached cable is 1/8 inch diameter is 24 inches long
RW6	Scavenge Pump Filter Module			9	3.5	6	Port text: "REAR SCAV IN", "FRONT SCAV IN", "TGB AGB SCAV IN"
RW7	Thrust Reverser Cowl Opening Actuator	1FA1401221		21	5	2	Dimension from shoulder of actuator to end of rod is 11.5 in. "Locked" text on rod
RW8	Hydraulic Component			7	6	6	ball bearing for shaft
RW9	Structure			15	8.5	2.5	
RW10	Hydraulic Component	65C26859x	SC144x	7	2	3	
RW11	Electric Part			4	3	3	
RW12	Hydraulic Actuator			16	5	5	Hydraulic ports with "Extend" and "Retract"
RW13	Hydraulic Actuator			11.5	6	4	
RW14	Engine Start Pad with Gear	104471-0	27494	8.5	8.5	7	
RW15	Horizontal Stabilizer center section rear beam			195	93	48	

Ident. Tag No.	Item Description			Length (in)	Width (in)	Height (in)	Description
	Nomenclature	Part No. "xx"=unreadable or uncertain digit(s)	Serial No.				
RW15	Left Elevator PCU	65-44761	10759A				
RW15	Right Elevator PCU	65-44761-21	0765A				
RW15	Elevator Feel Unit	65-44503-xx	771				
RW15	A/P Actuator - Lower	158300-101	5190				
RW15	A/P Actuator - Upper	158300-101	5173				
RW15	Elevator PCU Input Rod	65-455147-1					
RW15	Left Elevator Position Trasmitter	69-73373-2, Boeing: S250N104-5	87887				
RW15	Right Elevator Position Trasmitter	Boeing: S250N104-4	23315				
RW15	Mach Trim Actuator	81205 / 10-61369-7	A1163				
RW15	Mach Trim Trasducer	xxxxxxx	xxxxxx				
RW15	Elevator Balance Panels	65-C-26393-5					
RW16	Tube			32	12	5	
RW17	Electric Motor			5	5	5	Simmond Precision 400Hz Phase 3 High Speed Amps 12 Duty Cycle Intermittxx
RW18	Aileron PCU	65-44828-4 E4	8920	12	9	5	1.75 in. from sleeve endface to rod end flange face. PCU rod at other end sheared in endcap
RW19	Hydarulic Actuator	65-44552-4	952	14	4	4	End gland flat to far side of jam nut is 0.5 inch

Ident. Tag No.	Item Description						
	Nomenclature	**Part No.** "xx"=unreadable or uncertain digit(s)	**Serial No.**	**Length** (in)	**Width** (in)	**Height** (in)	**Description**
RW20	Spoiler Mixer	65-50856, 65-46358-1, 69-40296-4, 65-50xx6, 65-46369-4, 65-51633-6, 65-46359-14		14	16	5	
RW21	Fuel system part	66503-4034-33, 66503-4034-352, 66503 4455-056, 66503-4414-022	5624, 4294	11	6.5	4.5	
RW22	Flap Angle Gearbox	65-50585-15 Rev x		9	14	4	
RW23	Torque Tube with Splines			23	4	4.5	
RW24	Hydraulic Actuator Rod End With attached structure	69-73485-108, 65C26796-16revA, 65C36641-30revE		10	4	5	
RW25	Horizontal Stabilizer Jackscrew	Assy 65-51524-16		32.5	19	7	Dimension from the flat of the ball nut to the flat of the endstop is 7.5 inches.
RW26	Structure			15.5	8	7	
RW27	Force Transducer - Autopilot	10-61072-7 M	3284	4	2.5	2.5	
RW28	Flap transmission	xx27501-3	10902A	3.5	4	3.5	
RW29	Speedbrake Mechanism		80477	9	6	3.5	
RW30	Hydraulic Transfer Valve			10	2.5	2.5	
RW31	Elecrical component	311 13646 01	9212	5	3	2	
RW32	Fuel Timer	074327119M71607	GOS20184	7.5	6.5	3	3 tubes attached, the longest of which is 41 inch.
RW33	Spoiler Valve Manifold	65-44565-5	Wx9027307	7.5	7.5	3.5	
RW34	Section of vertical stabilizer With components			93	40	45	
RW34	Main Rudder PCU	65C37053-9	892x				Includes Jetpipe servo valve 75130-A3099 S/N 411171

Ident. Tag No.	Item Description						
	Nomenclature	**Part No.** "xx"=unreadable or uncertain digit(s)	**Serial No.**	**Length** (in)	**Width** (in)	**Height** (in)	**Description**
RW34	Rudder Pressure Reducer	Teijin Seiki 1704600-x	10xx				SCD No. 10-62255-xx, Includes Eaton Hydraulic Pressure Transducer Boeing PN 10-62254-1 Ser.No. 146451 Date of MFG 01/99. Includes Parker Solenoid valve P/N 881600-001 S/N 30708 SCD BAC 10-60811-13.
RW34	Feel and Centering Unit	Assy 65-51251-5					Assy date: MAY 11 1992, Bracket P/N 65C25410-5, Control Rod from F&C unit to input rod: Assy 69-37285-8 02/18/91
RW34	Actuator, rudder trim	10-62025-3 revU	C1412				MPC Products Corp. MFR 19710/U26B 81205 D/C 9218 FT 04-29-92
RW34	Standby Rudder PCU	Assy 1150	6005x				
RW35	Blade seal	65-48248-5, 1060754-770		29	15	4	42 in. long seal folded on itself
RW36	Flap Leading Edge	65-46430-129	1650	30	18	7	Flap leading edge with tube and roller assembly
RW37	Column cable quadrant	65-52995-11, 65-53592 4, Assy 6x-5359xx, 65C31007-xx		19	12	6	
RW38	First Officer's control wheel			12	8	3	
RW39	A4 Power Amplifier	641-8592-001		9	7	3	
RW40	Recognition Light	30-0906104MOD	601	9	7	6	
RW41	APU Turbine Disc			15	14	3	
RW42	Bellcrank with rod and flex cable	315A1897-5		26	10	5	
RW43	Control Surface with broken actuator	65C26633-27		21	13	9	

Ident. Tag No.	Item Description			Length (in)	Width (in)	Height (in)	Description
	Nomenclature	Part No. "xx"=unreadable or uncertain digit(s)	Serial No.				
RW44	Crank Assembly	69-20427-1, 69-20235-2, 65-25844-7, 65-25820-9		18.5	6	4	
RW45	Spoiler Actuator	65-44561-x	7048	23	24	8	
RW46	Drum	65-44065		9	7.5	1	
RW47	OUTBD Gnd Spoiler	65C26864-3	E-0376	23	19	8	
RW48	Spoiler Actuator Valve	65-44645		8	8	4	
RW49	Spoiler Actuator	65-44561-15	10275	43	10.5	14	
RW50	VOR / DME Indicator	N/A	N/A	4	3.5	4	
RW51	Cockpit Temprature Selector	N/A	N/A	5	2	2	
RW52	Frist Aid Kit	N/A	N/A	10	10	2.5	
RW53	Portable cylinder Pressure indicator.	N/A	N/A	2	1.5	1.75	
RW54	Clamp	2703-300.A	N/A	4.5	4	0.75	
RW55	Passenger Oxygen Mask	250054	N/A	5.5	5	4	
RW56	Wing Piece of Structure	N/A	N/A	55.5	14.5	10	

FSH604 Surveyed Wreckage Database
(Janus II)

T#	Lattitude	Longitude	Description	Janus II photo reference	Recovered Wreckage No.
n/a	52.4270	21.9890	Pile of electrical wires beside T54	2004-01-19-200844.JPG	
n/a	52.4160	21.9390	not ident.	2004-01-20-120103.JPG	
T1	52.4090	21.9915	Mid flap		
T2	52.4090	21.9900	MLG door mecanisme		
T3	52.4100	21.9900	Passager seat frame		
T4	52.4150	22.0440	Fuselage skin		
T5	52.4090	22.0280	Seat frame		
T6	52.4041	22.0103	Fuselage skin		
T7	52.4055	22.0258	Fuselage skin		
T8	52.4047	22.0293	Mechanism		
T9	52.4040	22.0369	Safety, life jacket and fuselage	2004-01-19-073927.JPG	
T10	52.4047	22.0409	Piece of wing surface		
T11	52.4025	22.0367	Aluminium with blue paint		
T12	52.4043	22.0343	Piece of wing		
T13	52.4070	22.0260	Piece of wing		
T14	52.4084	22.0044	Frame		
T15	52.4060	21.9998	Piece of passanger seat		
T16	52.4040	21.9951	Fuselage skin / windows		
T17	52.4022	22.0050	Windows frame		
T18	52.3975	22.0057	PSU		
T19	52.3960	22.0425	Skin		
T20	52.3983	22.0253	Lower skin		
T21	52.4002	22.0045	Fuselage skin		
T22	52.4025	21.9963	Seat frame		
T23	52.3997	21.9934	Fuselage Skin		
T24	52.4004	22.0312	Metal Disk (engine)		
T25	52.3954	22.0124	Composite piece. Belt and tissue		
T26	52.3937	22.0193	Metal Piece		
T27	52.3910	22.0410	Fuselage and windows		
T28	52.3936	21.9933	spoiler actuator attached to portion of the wing spar	2004-01-19-094158.JPG, 2004-01-20-170624.JPG, 2004-01-20-170615.JPG	
T29	52.3840	22.0161	Wing access panel		
T30	52.3750	22.0060	Composity panel		
T31	52.3861	21.9899	Rear part of fuselage		
T32	52.3865	22.0006	Pylon		
T33	52.3750	22.0310	Lower body skin		
T34	52.3788	22.0431	flt. cont. cable drum	2004-01-19-112045.JPG	
T35	52.4380	22.0280	Fuselage skin		
T36	52.4400	22.0520	Fuselage skin with "Cut here" indicated		
T37	52.4420	22.0480	Pile of debris	2004-01-19-132940.JPG, 2004-01-19-133012.JPG	
T38	52.4260	22.0300	Composite panel fixed te		
T39	52.4190	22.0420	skin with letters		
T40	52.4420	22.0120	Wing	2004-01-19-160043.JPG, 2004-01-19-155924.JPG	
T41	52.4650	22.0260	RIB horizontal stabilizer		
T42	52.4530	22.0030	Fuselage section with "FLASH" text	2004-01-19-162335.JPG, 2004-01-19-163724.JPG, 2004-01-19-163717.JPG	

FSH604 Surveyed Wreckage Database
(Janus II)

T#	Lattitude	Longitude	Description	Janus II photo reference	Recovered Wreckage No.
T43	52.4830	22.0280	Upper fuselage part		
T44	52.4550	21.9940	Forward entry door frame - 1L		
T45	52.4700	22.0060	Part with number		
T46	52.4770	22.0200	Fuselage part with a door cutout		
T47	52.4760	22.0060	Fuselage part "Brew handle must be in down position during taxi, take off,		
T48	52.4600	21.9950	Leading edge slat with part of wing	2004-01-19-193417.JPG	
T49	52.4120	21.9860	Lower wing scan with leading slat panel		
T50	52.4244	22.0042	Skin		
T51	52.4191	21.9929	Skin		
T52	52.4240	21.9890	Leading edge slat with one actuator attached	2004-01-19-195521.JPG	
T53	52.4146	21.9826	Nose landing gear assembly		
T54	52.4266	21.9869	Main Equipment Center skin door	2004-01-19-201051.JPG, 2004-01-19-201214.JPG	
T55	52.4220	21.9884	Engine diagonal brace		
T56	52.4329	21.9858	Engine pylon		
T57	52.4440	21.9860	Over wing escape hatch		
T58	52.4280	21.9600	Passenger seat recline actuator		
T59	52.4490	21.9780	No identify		
T60	52.4459	21.9856	not ident.	2004-01-19-230150.JPG, 2004-01-19-230124.JPG	
T61	52.4460	21.9700	control column	2004-01-19-232047.JPG	
T62	52.4510	21.9750	control wheel	2004-01-19-233054.JPG	
T63	52.4630	21.9860	Engin fancase		
T64	52.4600	21.9790	leading edge slat and portion of wing	2004-01-20-000743.JPG, 2004-01-20-000254.JPG	
T65	52.4420	21.9510	Engine fan case		
T66	52.4320	21.9550	Wing rear spar		
T67	52.4680	21.9730	passenger seat frame with spring	2004-01-20-010121.JPG, 2004-01-20-010033.JPG, 2004-01-20-010020.JPG, 2004-01-20-010020.JPG, 2004-01-20-005839.JPG, 2004-01-20-005834.JPG, 2004-01-20-005723.JPG, 2004-01-20-005721.JPG	
T68	52.4660	21.9660	Wing spar piece		
T69	52.4760	21.9520	spoiler actuator	2004-01-20-023738.JPG, 2004-01-20-023718.JPG, 2004-01-20-023627.JPG, 2004-01-20-023611.JPG, 2004-01-20-023523.JPG, 2004-01-20-023601.JPG	
T70	52.4545	21.9292	Eng VSV HPC		
T71	52.4673	21.9429	Small delicate instrument		
T72	52.4373	21.9200	Flap angle gearbox?		
T73	52.4468	21.9006	Wing center section structure		
T74	52.4490	21.9360	Engine part ?		
T75	52.4307	21.9273	Torsion spring		
T76	52.4432	21.9490	Wing leading edge Flap FSS394		

FSH604 Surveyed Wreckage Database
(Janus II)

T#	Lattitude	Longitude	Description	Janus II photo reference	Recovered Wreckage No.
T77	52.4337	21.9544	Wing rear spar station 286 and linkage		
T78	52.4173	21.9272	Cable drum and support	2004-01-20-114025.JPG, 2004-01-20-113958.JPG	
T79	52.4260	21.9510	Internal handle Passenger / service		
T80	52.4286	21.9579	Structural and skin		
T81	52.4273	21.9644	wires and some panel	2004-01-20-121606.JPG, 2004-01-20-121514.JPG	
T82	52.4229	21.9614	Outside passenger door - Left		
T83	52.4188	21.9751	Pieces of fuselage skin with cockpit window cutout		
T84	52.4080	21.9580	control surface with broken actuator	2004-01-20-131900.JPG	
T85	52.4175	21.9780	Engine Nacelle with pneumatic and hydraulic		
T86	52.4041	21.9738	Door support and skin 2x2m		
T87	52.3880	21.9690	Horizontal stabilizer center section with part of the left stab, elev. & tab	2004-01-20-141831.JPG, 2004-01-20-141650.JPG, 2004-01-20-141859.JPG, 2004-01-20-141908.JPG, 2004-01-20-143558.JPG, 2004-01-20-144151.JPG, 2004-01-20-142138.JPG, 2004-01-20-142144.JPG, 2004-01-20-142035.JPG, 2004-01-20-142301.JPG, 2004-01-20-143410.JPG, 2004-01-20-142215.JPG, 2004-01-20-141924.JPG	RW15
	52.3880	21.9690	Hydraulic tube ~1m (Raised with RW15)		RW16
T88	52.4100	21.9900	trailing edge flap control linkage	2004-01-20-155813.JPG, 2004-01-20-161009.JPG	
T89	52.3970	21.9840	Brusting Tyre		
T90	52.4000	21.9910	Uper Fuselage skin		
T91	52.3940	21.9700	Mid Flap Track		
T92	52.3830	21.9730	Flight spoiler actuator valve	2004-01-20-171655.JPG	
T93	52.3790	21.9800	Wing fitting		
T94	52.3670	21.9850	Outboard Mid Flap		
T95	52.3660	21.9920	Main LG Support Beam		
T96	52.3590	21.9920	Elevator balance panel	2004-01-20-184651.JPG	
T97	52.3470	21.9890	Side of body Wing skin		
T98	52.3310	21.9780	Wing skin		
T99	52.3300	21.9810	slide (?) + ??	2004-01-20-193955.JPG	
T100	52.3480	21.9950	Lug		
T101	52.3551	22.0078	No identify		
T102	52.3450	21.9980	Hydraulic		
T103	52.3390	21.9960	Gear box		
T104	52.3470	21.9980	Flap Torque Tube		
T105	52.4877	21.9560	Floor pannel with structure		
T106	52.4890	21.9477	ELEC WIRING		
T107	52.4899	21.9487	PERSO EFFECT		

FSH604 Surveyed Wreckage Database
(Janus II)

T#	Lattitude	Longitude	Description	Janus II photo reference	Recovered Wreckage No.
T108	52.4861	21.9510	Human remain		
T109	52.4766	21.9402			
T110	52.4758	21.9382	small electronic box		
T111	52.4803	21.9452	unknow small part		
T112	52.4890	21.9530	wiring and insulation		
T113	52.5008	21.9692	Valve		
T114	52.4820	21.9610	Stil ring		
T115	52.4892	21.9597	control wheel stering force sensor (recovered)		RW27
T116	52.4985	21.9495			
T117	52.4965	21.9492	Engine insulation		
T118	52.4974	21.9497	Electric Motor		
T119	52.4928	21.9538	Engine case		
T120	52.4785	21.9309	floor panel with structure		
T121	52.4769	21.9339	elec motor		
T122	52.4838	21.9362	Bracket		
T123	52.4930	21.9540	belly skin and stucture		
T124	52.5083	21.9658	personal effect		
T125	52.4879	21.9380	miscelaneous structure		
T126	52.4910	21.9378	side of body structure with wiring		
T127	52.5036	21.9503	personal effect		
T128	52.5102	21.9564	Crank arm		
T129	52.5070	21.9610	sit & personal effect		
T130	52.4987	21.9439	electric motor		
T131	52.4845	21.9300	wing structure		
T132	52.5131	21.9545	bleed air duct		
T133	52.4943	21.9346	unknow electrical part		
T134	52.4856	21.9281	unknow linkage		
T135	52.4790	21.9281	miscellanious metal structure		
T136	52.4932	21.9200	oxygen bottle		
T137	52.4993	21.9191	hydraulic activator		
T138	52.5176	21.9464	hydraulic tube		
T139	52.4977	21.8986	oxygen bottle		
T140	52.4635	21.9294	part of wheel mecanism (recovered)		RW28
T141	52.4557	21.9332	control command base		
T142	52.4688	21.9230	personal effect		
T143	52.4710	21.9280	Speed bracke lever		RW29
T144	52.4713	21.9157	T/R cowl opening actuator		
T145	52.4740	21.9190	engine part fuel pump		
T146	52.4880	21.9190	Engine part Link		
T147	52.4620	21.8930	Engine part oil pressure switch		
T148	52.4920	21.9220	Oxygen bottle		
T149	52.4895	21.9166	Engine part gear box		
T150	52.4960	21.9120	Engine part Gear box		
T151	52.4740	21.8890	Engine part Compressor Disk		
T152	52.4730	21.8780	Toilet system AC motor		
T153	52.4950	21.8970	Transfer valve		RW30
T154	52.4940	21.9000	Landing gear component		
T155	52.5160	21.9020	? Electronic		RW31
T156	52.4830	22.0250	Engine part Fuel Timer		RW32
T157	52.4740	21.9030	Engine part		
T158	52.4610	21.8900	Engine part pressure switch (T147)		

FSH604 Surveyed Wreckage Database
(Janus II)

T#	Lattitude	Longitude	Description	Janus II photo reference	Recovered Wreckage No.
T159	52.4590	21.9030	Engine part TIR Cowl hold open actuator		
T160	52.4470	21.9040	Landing gear support		
T161	52.4290	21.8930	Debris structure		
T162	52.4090	21.8810	Hydraulic component		
T163	52.4110	21.8930	Hydraulic component		
T164	52.4370	21.9160	Structure		
T165	52.4100	21.8930	Structure		
T166	52.4200	21.9030	Coupler		
T167	52.4200	21.9040	Spoiler valve manifold		RW33
T168	52.4170	21.9130	Flight spoiler		
T169	52.4180	21.9100	Hydraulic fuse		
T170	52.3560	21.9510	Engine part Disk		
T171	52.3660	21.9640	Electric wires		
T172	52.3800	21.9670	Electronic Box		RW39
T173	52.3700	21.9450	Engine part		
T174	52.3870	21.9380	Engine part		
T175	52.3970	21.9360	Unidentified		
T176	52.3990	21.9320	LV Cover		
T177	52.3760	21.9670	Push Pull cable		RW42
T178	52.4480	21.9940	Electronic Box		RW40

FSH604 Surveyed Wreckage Database
(Ile de Batz)

T#	Time	Lattitude	Longitude	Description	Date	Recovered Wreckage No.
	9:54:02	52.4192	22.0207	Skin	12-Jan-04	
	10:00:04	52.4165	22.0190	white skin 1.5x1m	12-Jan-04	
	10:02:21	52.4185	22.0182	STA600 left side escape hatch 4.5m skin	12-Jan-04	
	10:30:08	52.4205	22.0172	skin	12-Jan-04	
	10:41:50	52.4205	22.0183	skin, maybe lap splice, no paint	12-Jan-04	
	10:45:57	52.4214	22.0190	stringers & skin	12-Jan-04	
	11:01:17	52.4249	22.0285	skin section	12-Jan-04	
	11:05:23	52.4185	22.0215	engine case with stator vane	12-Jan-04	
	11:12:42			window frame	12-Jan-04	
	11:13:40	52.4085	22.0108	Possible wing skin 6in.x3ft.	12-Jan-04	
	11:49:58	52.4361	22.0348	fuselage piece 1x2m	12-Jan-04	
	11:56:30	52.4237	22.0233	Fuselage skin 3x4m	12-Jan-04	
	12:35:05	52.4410	22.0462	belly skin 1x1m, dark paint	12-Jan-04	
	13:04:04	52.4086	22.0011	buttt splice	12-Jan-04	
	13:52:20	52.4142	22.0096	fuselage skin with 1.5 window frames	12-Jan-04	
	14:25:00	52.4212	22.0100	two pieces of skin, 1x1m, 1x2m	12-Jan-04	
	14:31:36	52.4187	22.0126	737 Airplane Flight Manual (AFM)	12-Jan-04	
	15:20:25	52.4217	22.0149	ring/strip of cap sealed fasteners with adjacent wing?	12-Jan-04	
	15:40:38	52.4384	22.0369	fuselage sking 4x2m, white	12-Jan-04	
	15:49:40	52.4444	22.0364	Instrument panel?	12-Jan-04	
	15:53:12	52.4388	22.0309	fuselage skin, 7 stringers x 2 frames @ lap, no structure attached, dark & light paint	12-Jan-04	
	16:03:49	52.4306	22.0189	fuselage sking 4x2m, possibly part of logo arrow above windows	12-Jan-04	
	16:05:19	52.4259	22.0152	ballscrew	12-Jan-04	
	16:25:23	52.4175	22.0063	ball of loose tangled wires	12-Jan-04	
	16:35:40	52.4305	22.0197	skin fragment, sect 43, ~STA 460	12-Jan-04	
	16:50:50	52.4429	22.0312	skin 2x1m	12-Jan-04	
	17:11:32	52.4067	21.9965	portion of floor beam & seat track	12-Jan-04	
	17:13:00	52.4104	21.9967	wing lower surface	12-Jan-04	
	13:40:07	xxx	xxx	fuselage skin fragment, 1 or 2 windows with possible door cutout	13-Jan-04	
	5:57:00	xxx	xxx	magnetic tape(?)	14-Jan-04	
	6:18:00	xxx	xxx	skin	14-Jan-04	
	10:04:00	xxx	xxx	VHF antenna	14-Jan-04	
	10:23:00	xxx	xxx	fuselage skin	14-Jan-04	
	11:10:00	xxx	xxx	compressor part	14-Jan-04	
	12:54:00	xxx	xxx	white box	14-Jan-04	
	15:20:46	xxx	xxx	compressor flange	14-Jan-04	
	15:42:39	xxx	xxx	fuselage part	14-Jan-04	
	17:13:14	52.4129	21.9963	wing lower skin, 4 access panels, 3mx1m, +front spar +leading edge, reg.mark "SU-Z", ~STA600	14-Jan-04	
	17:40:50	52.4416	22.0194	front spar of vertical stabilizer skin, 2-3m long spar, ref SRM 55-30-10	14-Jan-04	
	17:55:12	52.4726	22.0062	skin 0.5mx20cm	14-Jan-04	
	17:58:15	52.4247	22.0048	Metal duct, 1mx10cm	14-Jan-04	
	18:07:20	52.4157	21.9993	Frame and skin, 1m	14-Jan-04	

FSH604 Surveyed Wreckage Database
(Ile de Batz)

T#	Time	Lattitude	Longitude	Description	Date	Recovered Wreckage No.
	18:16:05	52.4161	21.9972	skin, 1x2m composite	14-Jan-04	
	18:19:20	52.4204	21.9962	skin, white, 1mx30cm	14-Jan-04	
	19:20:38	52.4321	22.0352	skin and stringers, 1x4m, white paint	14-Jan-04	
	19:53:01	52.4516	22.0116	skin with three windows, external paint scheme identifies this as ~STA500, 3x3m	14-Jan-04	
	20:06:08	52.4419	22.0128	concrete block with cable through center, used by French Navy for depth measurement	14-Jan-04	
	20:26:36	52.4324	22.0322	skin, 1.5x1.5m, window frame, white paint	14-Jan-04	
	20:30:39	52.4292	22.0363	skin, no paint, 0.5x0.5m with light insulation	14-Jan-04	
	20:53:50	52.4332	22.0250	skin, 1x0.5m, partial blue letter?	14-Jan-04	
	20:56:15	52.4379	22.0194	spar with eliptical holes, vertical stab skin	14-Jan-04	
	21:22:14	52.4476	21.9976	skin, 2x3m, doublers, chem mill waffle pattern	14-Jan-04	
	21:31:55	52.4411	22.0143	concrete block, French Navy Bathymetry device	14-Jan-04	
	22:02:21	52.4233	22.0360	Emergency light battery tray	14-Jan-04	
	22:41:02	52.4241	22.0306	possible LRU handle 4x1.5in., black	14-Jan-04	
	23:23:16	52.4248	22.0221	possible LRU handle	14-Jan-04	
	23:29:07	52.4200	22.0304	white exterior 2x1m	14-Jan-04	
	23:54:09	52.4207	22.0215	fuselage skin 1x2m	14-Jan-04	
	3:23:00	52.3645	22.0266	Fan case fragment	16-Jan-04	
	3:39:00	52.3664	22.0179	HP compressor disk	16-Jan-04	
	3:46:00	52.3664	22.0179	Front engine mount	16-Jan-04	
	4:03:00	52.3782	22.0105	Wing Box Fragment	16-Jan-04	
	16:50:30	52.3585	22.0230	Fuselage Skin White/Blue	16-Jan-04	
	16:54:32	52.3600	22.0186	Flight Data Recorder (FDR)	16-Jan-04	FDR
	5:48:00	52.3621	22.0121	Box Structure w/Blue skin	17-Jan-04	
	5:53:10	52.3650	22.0080	Fuselage Skin, 1x1m	17-Jan-04	
	5:57:41	52.3660	22.0150	Floor Section, 2x3m	17-Jan-04	
	6:26:13	52.3590	22.0200	Cargo Door Section, >1x2m	17-Jan-04	
	6:57:10	52.3590	22.0170	Floor Frames, Side of Body Center Section, 2x0.5m	17-Jan-04	
	7:19:20	52.3700	22.0220	Nose tire	17-Jan-04	
	7:22:29	52.3710	22.0226	Fuselage skin, 1x1.5m	17-Jan-04	
	7:30:12	52.3670	22.0290	Section of entry door, "Automatic Slide Armed", 1x0.5m	17-Jan-04	
	7:34:34	52.3610	22.0290	Nose wheel hub	17-Jan-04	
	7:42:20	52.3690	22.0250	Flat bulkhead/pressure deck, 1x1.5m	17-Jan-04	
	7:55:50	52.3545	22.0150	Part of fin/torque tube, possible rudder mechanism attached, 2x0.5m	17-Jan-04	
	8:12:45	52.3612	22.0149	Vertical fin trailing edge beam lower structure(?), >1x1m	17-Jan-04	
	8:22:29	52.3522	22.0289	Empennage/APU firewall section, 1x1.5m	17-Jan-04	
	8:44:57	52.3524	22.0167	Skin APU/Floor Beam, wing spar side of body	17-Jan-04	

FSH604 Surveyed Wreckage Database
(Ile de Batz)

T#	Time	Lattitude	Longitude	Description	Date	Recovered Wreckage No.
	9:08:08	52.3585	22.0194	Galley parts, cargo liner, floor beam, blue skin (large pile mixed debris), 2X2m	17-Jan-04	
	9:28:28	52.3577	22.0121	Vertical, right side lower by logo, access door 9529 (Standby Rudder PCU door), 1x2m	17-Jan-04	
	10:03:00	52.3587	21.9861	Elevator control surface with balance panel, graphite, "65C26393-5" & "69-41307-20"	17-Jan-04	
	10:19:04	52.3649	21.9909	Main Landing Gear Beam - Right	17-Jan-04	
	11:41:36	52.3638	21.9930	Wing skin, 1x2ft.	17-Jan-04	
	12:22:39	52.3526	22.0263	Skin with vortex generators and APU firewall	17-Jan-04	
	13:07:44	52.3659	22.0181	Thrust reverser cascade vanes	17-Jan-04	
	13:56:35	52.3644	22.0224	APU oil fill access door, P/N 65-76712-509, 1x1m	17-Jan-04	
	14:17:10	52.3639	22.0236	Panel, honecomb w/ white paint & blade seal, 1x3m	17-Jan-04	
	14:43:39	52.3759	22.0158	Section of tire, MLG(?)	17-Jan-04	
	15:04:08	52.3734	22.0262	Tailcone with strobe position light, 1x1m	17-Jan-04	
	15:04:08	52.3734	22.0262	Skin with text "sta… do not plug", static port @ STA 420	17-Jan-04	
	15:57:34	52.3510	22.0268	APU fragment	17-Jan-04	
	16:09:58	52.3507	22.0256	Thrust reverser cowl fragment, 0.25x0.1m	17-Jan-04	
	16:23:30	52.3557	22.0128	Thrust reverser block door	17-Jan-04	
	16:54:30	52.3618	22.0102	Aft flap actuating mechanism pull cable	17-Jan-04	
	16:58:33	52.3608	22.0123	Engine Starter Casing	17-Jan-04	
	17:05:10	52.3608	22.0169	Flap carriage spindle (?)	17-Jan-04	
	17:26:10	52.3571	22.0135	Wing spar 1.5x0.3m	17-Jan-04	
	18:28:09	52.3454	22.0160	Cockpit Voice Recorder (CVR)	17-Jan-04	CVR
	18:28:09	52.3454	22.0160	Nose landing gear retract actuator, extended (corresponding to gear-up)	17-Jan-04	
	18:28:09	52.3454	22.0160	Toothed gear and support, gear diameter ~6in.	17-Jan-04	
	16:06:47	52.3369	22.0153	Engine Core, combustion chamber to exhaust, engine axis vertical with fuel nozzles at bottom and crushed exhaust at the top	18-Jan-04	
	17:32:00	52.3403	22.0222	Left and Right main landing gear assemblies	18-Jan-04	
	17:52:54	52.3342	22.0176	Flap support w/ transmission	18-Jan-04	
	18:38:36	52.3340	22.0279	Engine Core, combustion chamber to exhaust, engine axis vertical with fuel nozzles at bottom and exhaust at the top	18-Jan-04	
	18:38:36	52.3340	22.0279	two wheels (MLG?…viewed from engine)	18-Jan-04	

FSH604 Surveyed Wreckage Database
(Ile de Batz)

T#	Time	Lattitude	Longitude	Description	Date	Recovered Wreckage No.
	18:38:36	52.3340	22.0279	Main Engine Control (beside engine) P/N 66503-6063-215, S/N WYG80008	18-Jan-04	
	19:17:34	52.3377	22.0298	Main Landing Gear beam	18-Jan-04	
	23:00:00	52.4185	21.9335	Fuselage upper skin just above entry door	20-Jan-04	
	5:10:00	52.4600	21.9970	Fuselage skin at least 5 passenger windows and the "FLASH" logo	21-Jan-04	
	5:43:00	51.8541	25.5599	skin panel	21-Jan-04	
	6:32:00	52.4436	22.0179	Low pressure compressor case	21-Jan-04	
	0:11:46	52.3814	22.0543	skin, aft crown w/ blue lettering from "FLASH AIRLINES", 1x4m	22-Jan-04	
	5:18:00	52.3616	22.0444	Tire	22-Jan-04	
	6:30:00	52.3483	22.0271	Wing panels	22-Jan-04	
	6:38:00	52.3519	22.0266	APU shroud	22-Jan-04	
	9:13:20	52.3505	22.0192	Hydraulic Actuator	22-Jan-04	RW13
	9:22:53	52.3403	22.0227	Flap track with transmission	22-Jan-04	
	9:22:53	52.3403	22.0227	hydraulic endcap	22-Jan-04	RW
	9:22:53	52.3403	22.0227	hydraulic valve	22-Jan-04	RW8
	9:22:53	52.3403	22.0227	flap track and flap ball screw with transmission	22-Jan-04	
	9:22:53	52.3403	22.0227	flap ballscrew without transmission	22-Jan-04	
	9:22:53	52.3403	22.0227	Thrust reverser actuator	22-Jan-04	RW2
	9:22:53	52.3403	22.0227	Engine start pad with gear	22-Jan-04	RW14
	10:16:16	52.3387	22.0246	Outboard mid flap carriage	22-Jan-04	
	16:14:05	52.3517	22.0109	Horizontal stabilizer trim motor	22-Jan-04	RW1
	19:21:00	52.3603	22.0019	Outboard flap jackscrew	22-Jan-04	RW4
	20:05:08	52.3529	22.0090	MLG tire, Inbd flap track, Engine Pylon, MLG uplock hook, inbd flap track cam roller, & other MLG wheel well components	22-Jan-04	
	20:51:51	52.3725	21.9828	Outboard mid flap (same as T94?)	22-Jan-04	
	21:15:12	52.3838	21.9678	Hydraulic component - unknown	22-Jan-04	
	21:42:46	52.3958	21.9157	MLG brake hydraulic actuator	22-Jan-04	RW10
	21:58:40	52.3941	21.9494	Hyd valve - motor	22-Jan-04	RW11
	22:45:30	52.3709	21.9895	MLG support beam and some flap structure	22-Jan-04	
	23:01:00	52.3669	21.9943	Hydraulic Actuator with Ext/Ret labeling	22-Jan-04	RW12
	23:25:30	52.3600	21.9905	Fire wall (APU or Engine)	22-Jan-04	
	23:28:50	52.3540	21.9924	Pylon attach fitting & engine firewall	22-Jan-04	
	23:32:26	52.3554	21.9963	Engine gearbox (hyd or fuel) & wing skin	22-Jan-04	
	23:40:21	52.3554	22.0016	Quadrant with cable attached	22-Jan-04	RW5
	23:58:20	52.3646	21.9870	Wing skin, structure, & engine fire wall	22-Jan-04	
	0:02:00	52.3644	21.9875	Balance panel (elev & stab structure?)	23-Jan-04	
	0:08:10	52.3694	21.9840	MLG beam & inbd flap spindle	23-Jan-04	

FSH604 Surveyed Wreckage Database
(Ile de Batz)

T#	Time	Lattitude	Longitude	Description	Date	Recovered Wreckage No.
	0:14:00	52.3732	21.9777	Hose - unknown	23-Jan-04	
	0:35:00	52.3730	21.9770	Landing gear lock actuator	23-Jan-04	
	3:40:00	52.3522	221.9859	Plug door - small	23-Jan-04	
	4:36:11	52.3804	21.9704	Wing skin, 2mx10cm.	23-Jan-04	
	6:30:00	52.3538	21.9770	Thrust reverser blocker door	23-Jan-04	
	8:58:00	52.3623	21.9514	Engine disk	23-Jan-04	
	9:21:40	52.3383	21.9811	Fuselage skin & escape slide	23-Jan-04	
	10:30:00	xxx	xxx	unintentional recovery	23-Jan-04	RW3
	10:30:00	xxx	xxx	unintentional recovery	23-Jan-04	RW9
	12:00:00	xxx	xxx	Engine T/R cown opening actuator	23-Jan-04	RW6
	12:00:00	xxx	xxx	Enigne oil lubricating unit with MCD intact	23-Jan-04	RW7
	6:00:00	52.3580	22.0163	Vertical stabilizer section, Aft spar with lugs still attached to fuselage frame to just above standby PCU. Aft spar with structure to rudder hinge, including front spar of rudder surface.	24-Jan-04	RW34
	6:00:00	52.3580	22.0163	Blade seal ~42 inch (Raised with RW34)		RW35
	6:00:00	52.3580	22.0163	Flap leading edge with tube (Raised with RW34)		RW36
	6:37:20	52.3538	22.0257	Structure (2m) and hydraulic component with spline shaft input	24-Jan-04	
	14:40:00	52.3461	22.0233	Parts of an engine gearbox	24-Jan-04	
	14:47:00	52.3435	22.0220	Actuator electric motor	24-Jan-04	RW17
	17:06:00	52.4098	22.0097	Pile of cabin interior parts (O2 masks, reading lights, etc.)	24-Jan-04	
	18:15:00	52.4088	22.0418	Structural element, possibly palance panel or balance weights.	24-Jan-04	
	19:04:40	52.3682	22.0006	Hydraulic actuator with separate control valve attached.	24-Jan-04	
	19:16:40	52.3635	22.0210	Side of body & cargo floor structure	24-Jan-04	
	19:21:04	52.3662	22.0279	Flap actuator with spindle attached	24-Jan-04	
	19:21:04	52.3662	22.0279	Passenger seat & dense debris	24-Jan-04	
	20:00:03	52.3653	22.0164	Large fuselage section, including belly skin and cargo compartment	24-Jan-04	
	20:05:45	52.3605	22.0207	Door with door lock actuator (P/N 65C255442-5)	24-Jan-04	
	20:30:00	52.3564	21.9926	Leading edge flap actuator with valve module attached.	24-Jan-04	RW19
	20:35:45	52.3579	21.9930	Flap attach structure	24-Jan-04	
	20:53:54	52.3617	22.0140	Spoiler mixer	24-Jan-04	RW20
	20:53:54	52.3617	22.0140	lateral override mechanism	24-Jan-04	
	20:53:54	52.3617	22.0140	Aileron PCU	24-Jan-04	RW18
	22:00:00	52.3525	22.0185	Landing gear brake and wheel tire assembly	24-Jan-04	
	22:04:20	52.3522	22.0115	Landing gear brake components and landing gear actuator (nose wheel steering?)	24-Jan-04	
	22:42:20	52.3585	22.0215	Significant structural element (?)	24-Jan-04	
	22:48:40	52.3660	22.0287	Structural fitting	24-Jan-04	

FSH604 Surveyed Wreckage Database
(Ile de Batz)

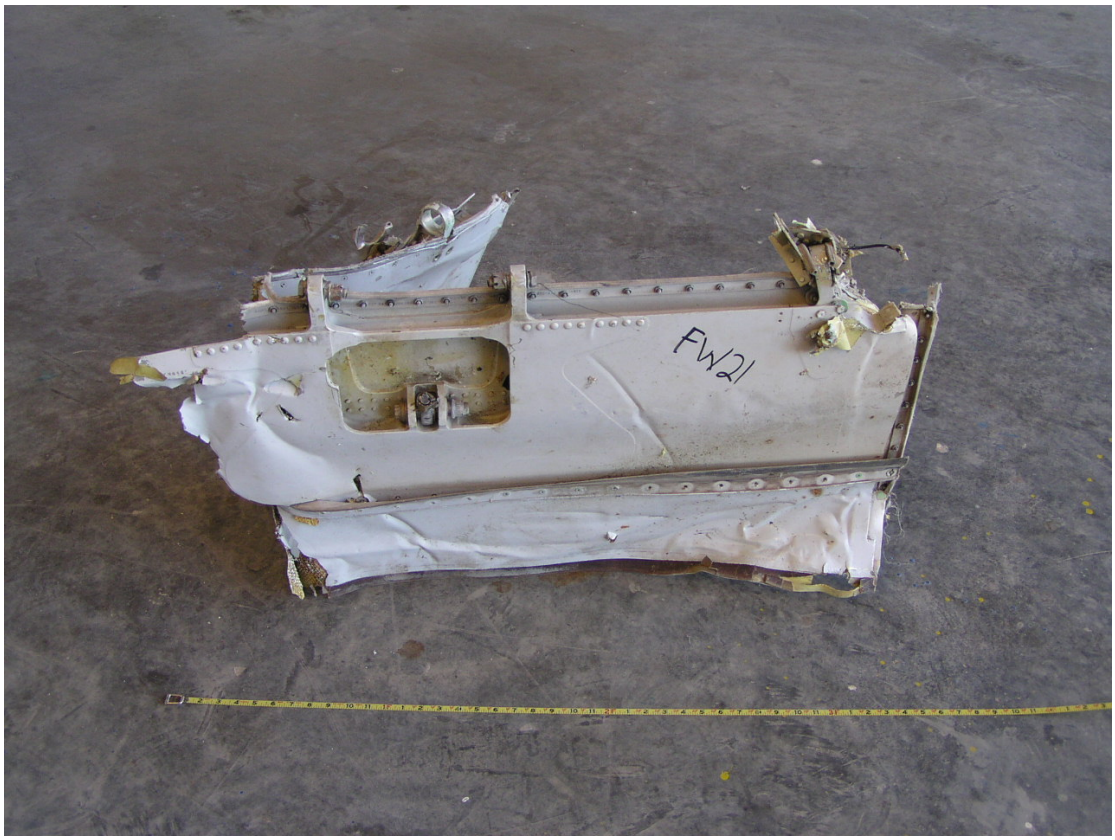
T#	Time	Lattitude	Longitude	Description	Date	Recovered Wreckage No.
	23:15:30	52.3548	22.0165	Landing gear actuator	24-Jan-04	
	23:18:50	52.3554	22.0148	Part of engine fuel system	24-Jan-04	RW21
	0:57:30	52.3544	22.0076	Flap angle gearbox	25-Jan-04	RW22
	1:15:30	52.3545	22.0155	White drive shaft	25-Jan-04	RW23
	1:43:10	52.3519	22.0227	Fractured actuator rod attached to structure	25-Jan-04	RW24
	1:49:20	52.3526	22.0179	Jackscrew of horizontal stabilizer	25-Jan-04	RW25
	20:53:54	52.3617	22.0140	Center section structural joint recovered with RW20	25-Jan-04	RW26

Exhibit E
Attachment 6

Selected Wreckage Photos

Floating Wreckage

FW18


FW21

FW24

FW36

FW45

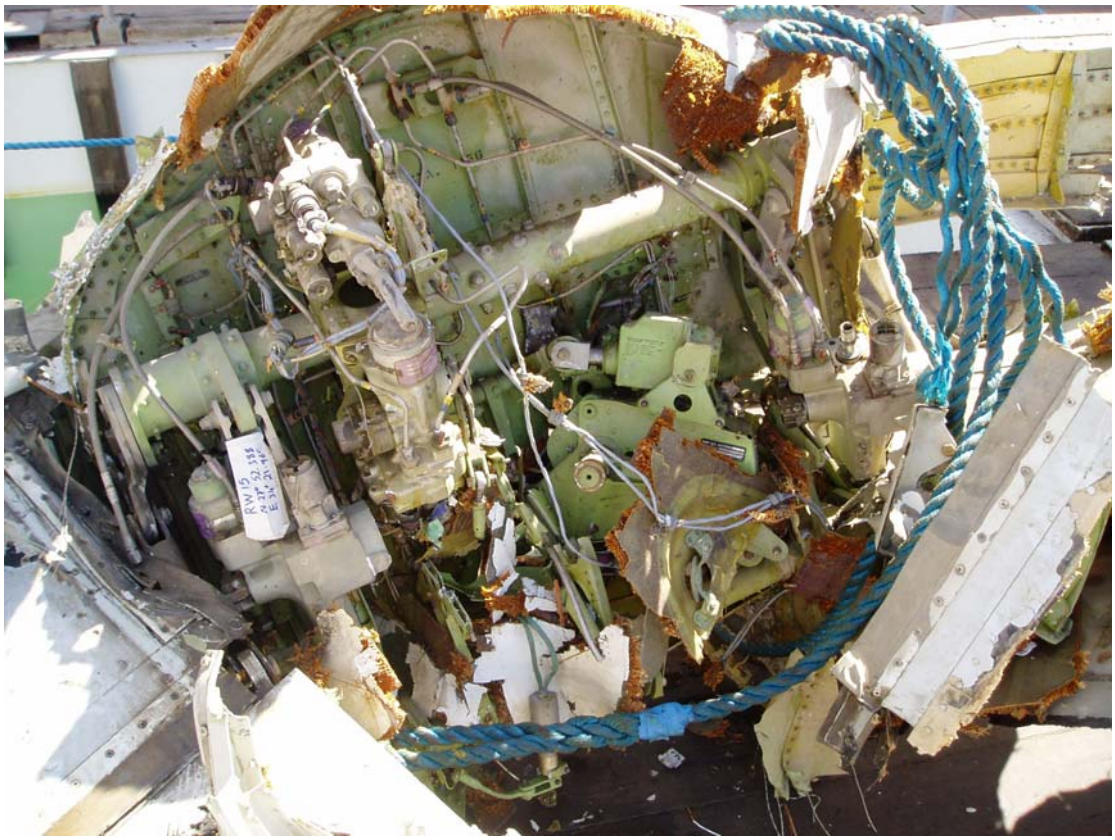
FW45
FW45
FW45
FW45

Underwater Recovered Wreckage

RW2
N 39 52.3403
E 31 22.0229

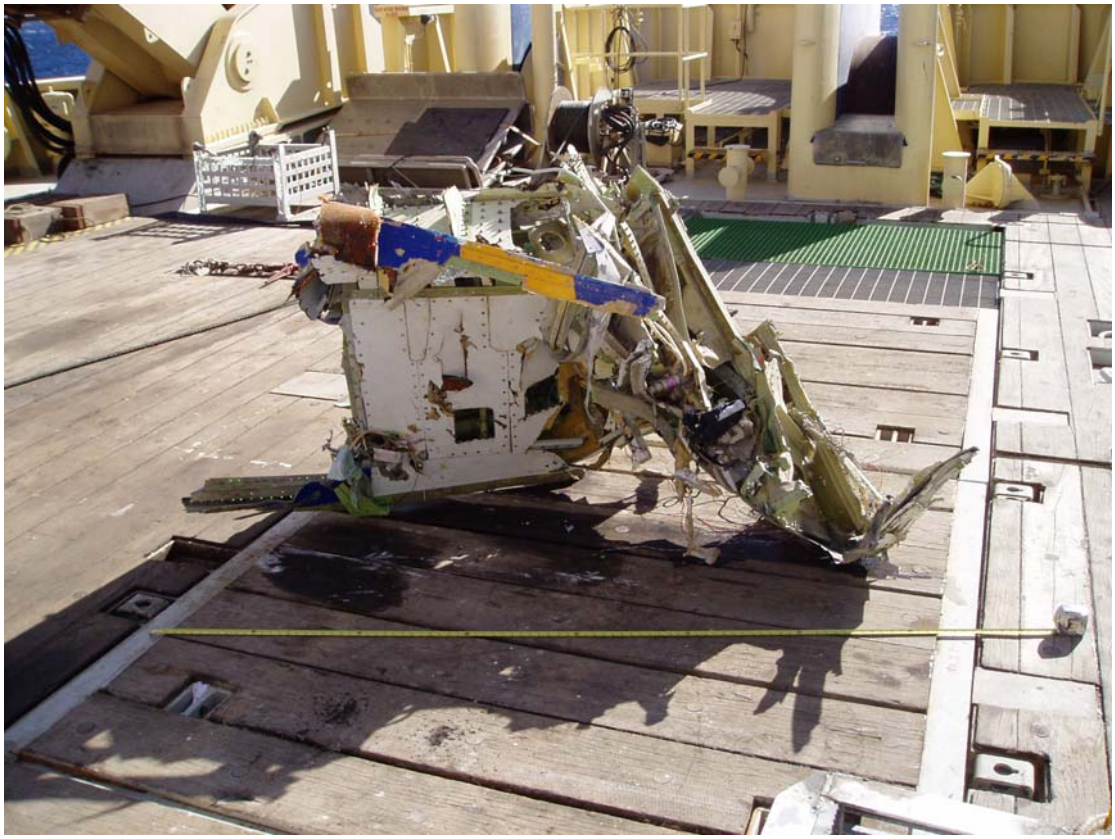
RW 13
N 39 52.3505
L2.0192

RW15


RW15

RW18
N 27 52.3682
E 34 22.0004
RW18

RW19
N 27 52.5579
E 34 21.9930



RW 27
N 27 52.483
E 34 21.96

RW38

AUTO
NORMAL
WARM
OFF
MANUAL
COOL
COOL
RW51
RW51

RW36

Exhibit F

Operations Group Field Report

January 22, 2004

Group Chairman's Field Report

OPERATIONS

1. ACCIDENT

Operator:	Flash Airlines
Location:	Sharm-El-Sheikh, Egypt
Date:	January 3. 2004
Time:	0246 UTC[1]
Airplane:	Boeing B-737-300, SU-ZCF, Serial Number 26283

2. SUMMARY

On January 3, 2004, about 02:45:06 UTC, 04:45:06 Local time, Flash Airlines flight FSH604, a Boeing 737-300, Egyptian registration SU-ZCF, crashed into the Red Sea shortly after takeoff from Sharm el-Sheikh International Airport (SSH) in South Sinai, Egypt. The flight was a passenger charter flight to Charles de Gaulle Airport (CDG), France with a stopover in Cairo international Airport (CAI) for refueling. Flight 604 departed from Sharm el-Sheikh airport with 2 pilots (Captain and First Officer), 1 observer, 4 cabin crew, 6 off-duty crew members and 135 passengers on board. The airplane was destroyed due to impact forces with the Red Sea with no survivals.

The airplane had departed from Sharm el-Sheikh runway 22R and was air born at 02:42:33 UTC, approximately 2½ minutes prior to the crash, and had been cleared for a climbing left turn intercept the 306 radial from the Sharm el-Sheikh VOR station located just north of runway 22R. This climbing turn allows departing flights to gain sufficient altitude before proceeding over higher terrain located along the flight path to Cairo. Flight 604 was operating in Egyptian airspace as a charter flight operating under the provisions of Egyptian Civil Aviation Regulations Part 121

3. DETAILS OF THE INVESTIGATION

The Operations group convened at 1100 on January 14, 2004 at the offices of the Ministry of Civil Aviation. An interview was conducted with the Chief Pilot of Flash Airlines regarding the pilot and co-pilot qualifications. Pilot training records were reviewed and information was collected to include medical and flying licenses and total flying time. A member of the operations group participated in the interview of the ground engineer that flew

[1] All times are Universal Coordinated Time based on a 24-hour clock, unless otherwise noted. Actual time of accident is approximate, to be determined by the correlation of the Flight Data Recorder (FDR) and Air Traffic Control (ATC) transcripts.

on the airplane prior to the accident flight. A review of the weight and balance of the flight was conducted. Activities were concluded on January 22, 2003.

3.1 AIRPORT INFORMATION

According to the Aeronautical Information Publication (AIP), Sharm El Sheikh International Airport was located 23 kilometers northeast of the city. The elevation of the airport was 143 feet mean sea level. The airport had two paved parallel runways; 04L-22R and 04R-22L. Both runways were 3081 meters in length and 45 meters in width. Runways 04R and 04L had CAT 1 Approach Lighting System and runways 22R and 22L had Simple Approach Lighting System. Neither runway had runway centerline lights.

According the AIP Flight procedures, there was no standard departures and standard arrival routes or any other systematic procedures established within. Sharm El Sheikh approach airspace, heading, flight level, speed and or holding instructions shall be specified in approach control clearances to arriving and departing flights as appropriate to meet the requirements of traffic conditions.

3.2 FLIGHT CREW INFORMATION

Both flight crewmembers were certificated under Egyptian Civil Aviation Supervisory Sector Authority (ECASSA).

3.2.1 Captain Khedr Abdalla Saad Said

- Date of birth: February 26, 1950
- Date of hire with Flash Airlines: February 16, 2003
- Airline Transport Pilot Egyptian Certificate Number 561 (issued December 15, 1984)
    - Airplane Multiengine Land
    - Airplane Single Engine Land/Commercial Pilot
    - Limitations: None
- Type Ratings:ATR-42, B-737/300/400/500 (issued May 27, 2003), DHC-5 Buffalo, C-130, Gomhorya.
    - Medical: First Class (issued November 19, 2003)
    - Limitations: None
    - Initial Ground School Training:
        - Written Test: April 9, 2003
        - Oral Test: May 22, 2003
    - Initial Simulator Training B-737-300/400/500: April 28 - May 12, 2003
    - Initial Proficiency Check B-737-300/400/500: May 12, 2003
    - Last Proficiency Check B-737-300/400/500: May 12, 2003
    - Last Line Check: July 23, 2003
    - Last Recurrent Training: December 16, 2003

- FLIGHT TIMES:

Total flight time (hrs/min)[2]:	7,443:45
Total flight time on B-737:	474:15
Total flight time PIC:	5,473:35
Military Instructor Flight time:	1,967:55
Total flight time last 24 hours[3]:	7:15
Total flying time last 30 days:	83:51
Total flying Time 90 days:	244:43

3.2.2 First Officer Amr Mahmoud Shafie

- Date of birth: January 1, 1979
- Date of hire with Flash Airlines: May 22, 2002
- Egyptian Commercial Pilot License Number 3284 (issued April 12, 1997), Commercial Pilot License issued by the Federal Aviation Administration (FAA) Certificate Number 2546582 (issued July 31, 1996)
    - Airplane Multiengine Land
    - Airplane Single Engine Land/Commercial Pilot
    - Instrument Airplane
    - Private Privileges
- Limitations: None
- Type Ratings: CESSNA (ISSUED April, 12, 1997) I, B737-200 (ISSUED July, 22,1998) II, B737-300/400/500 (ISSUED July, 18, 2002) II
    - Medical: First Class (issued May 5, 2003)
    - Limitations: None
    - Initial Ground School Training:
        - Written Test: June 10, 2002
        - Oral Test: May 22, 2002
    - Initial Simulator Training B-737-300/400/500: June 22 – June 30, 2002
    - Initial Proficiency Check B-737-300/400/500: June 30, 2002
    - Last Proficiency Check B-737-300/400/500: May 15, 2003
    - Last Line Check: July 11, 2002

[2] Times are calculated for the captain up until December 31, 2003.
[3] Times do not include the accident flight.

- Last Recurrent Training: December 12, 2003
- FLIGHT TIMES:

Total flight time (hrs/min)[4]:	788:53
Total flight time B-737:	242:28
Total flying time last 24 hours[5]:	7:15
Total flying time last 30 days:	43:45
Total flying Time 90 days:	61:10

3.3 WEIGHT AND BALANCE

The Flash Airlines weight and balance calculations provided to the flight crew contained the following information[6]:

	Weight (kilograms)
Total Traffic Load	11,450[7]
Dry Operating Mass	33,200
Actual Zero Fuel Mass	44,650
Maximum Zero Fuel Mass	47,627
Takeoff Fuel	7,000
Actual Takeoff Mass	51,650
Maximum Takeoff Mass (Certificate Limit)	63,276
Landing Mass	49,650
Maximum Landing Mass (Certificate Limit)	51,709

Zero Fuel Mass Center of Gravity (CG)	20.0%	
Zero Fuel Mass CG Limits[8]	8.0% Forward	28.4% Aft
Takeoff Mass CG	18.0%	
Takeoff Mass CG Limits[9]	6.7% Forward	27.9% Aft

[4] Times are calculated for the first officer up until December 31, 2003.
[5] Times do not include the accident flight.
[6] See attached Flash Airlines Load and Trim Sheet.
[7] A review of the Load and Trim Sheet indicated a low 100-kilogram error. The total cargo weight plus passenger mass (Total Traffic Load) should be 11,550 kilograms. Correspondingly, the Zero Fuel Mass, Takeoff Mass, and Landing Mass will be low in error by the same 100-kilogram Mass.
[8] Estimated Zero Fuel Mass CG limits were derived from Flash Airlines Load and Trim sheet index chart based upon a Zero Fuel Mass of 44,650 kilograms.
[9] Estimated Takeoff Mass CG limits were derived from Flash Airlines Load and Trim sheet index chart based upon a Takeoff Mass of 51,650 kilograms.

- Stabilizer Trim settings for takeoff were:
  Flaps 1 or 5 4 ¾ Units
  Flaps 15 3 ¾ Units

- According to the Flash Airlines Flight Operations Manual Chapter 6, Paragraph 6.1.8.3, Passenger and Baggage Masses, the following chart was published:

	Male	Female
All flights except	88kg	70kg
Holiday	83kg	69kg
Children	35kg	35kg

- A review of the accident aircraft Load and Trim Sheet indicated a Passenger Mass of 9,450kg. If 350kg is removed for 10 children (10 x 35kg) the result is 9,100kg. Dividing the 125 adult passengers into the 9,100kg would give an average value of 72.8kg per adult passenger.

- Using the table above, and assuming 50% Male and 50% Female adult passengers, the worst-case difference in weight calculation would be the following:
  - The average weight of male and female for all flights except would be 88kg + 70kg / 2 = 79kg per adult passenger.
  - 79kg x 125 passengers = 9,875kg
  - The represents an increase in weight of 775kg.
  - Using this value for Load and Trim calculations provided the following information:

- Takeoff CG 18.2%MAC
- Zero Fuel Mass CG 20% MAC
- Takeoff Trim (flaps 5) 4 ¾ Units

- These worst-case differences in values for passenger weight still fall within structural and calculated limitations for the airplane.

3.4 AIR TRAFFIC CONTROL

An Interview with the Director of Radar Airports, National Air Navigation Service Company indicated that at SSH, the local controller and the departure controller were the same person. The previous last flight departure before the accident flight departed about one hour earlier. An arrival flight landed less than 10 minutes after the accident flight departed. Radar was operating but no radar service was provided to the accident flight.

According to the Director, there were no Standard Instrument Departures (SIDs), or Standard Terminal Arrival Routes (STARs) in Egypt. Clearance was provided to the accident flight crew while on the ground and the departure included a left turn at pilot's discretion and to climb to Flight Level (FL) 140 overhead the SSH VOR/DME and to intercept the airway A411[10]. The minimum crossing altitude for ATC purposes was 4,000 feet, however, pilots prefer to cross at or above 10,000 feet.

[10] See attached ATC transcript for exact wording.

According to the Director, the prevailing winds at SSH require the use of runway 04L 70%-80% of the year. On the date of the accident, runway 04L was being used. However, sometime during the day prior to the accident, the runway was changed to 22R.

There was not an inspection of the runway after notification of the accident, however, it was stated that the landing airplane after the accident did not report debris on the runway. There is a daily runway inspection performed at SSH.

3.5 METEROLOGY

Sharm El-Sheikh does not provide Automatic Terminal Information Service (ATIS).

The SSH weather at 0200Z was reported as:

270 degrees at 06 knots, Ceiling and visibility OK (CAVOK) temperature 17 degrees Celsius, dewpoint minus 6 degree Celsius, altimeter 1011 hectoPascals (hPa), No significant change (NOSIG).[11]

The SSH weather at 0300Z was reported as:

280 degrees at 08 knots, Ceiling and visibility OK (CAVOK) temperature 17 degrees Celsius, dewpoint minus 6 degree Celsius, altimeter 1011 hectoPascals (hPa), No significant change (NOSIG).

[11] See attached weather reports for SSH.

Exhibit F
Attachment 1

CHAPTER 10 FORMS AND RECORDS

10.1 Company Oral Test
10.2 Certification Oral
10.3 Under Supervision Form
10.4 IOE/USV Form
10.5 Line Training Form
10.6 Line Check Form
10.7 Route Training
10.8 Area, Route and Airport Qualificaton Form
10.9 Dangerous Goods Training Form
10.10 Base Flight Training
10.11 Proficiency Check Form
10.12 Pilot Recurrent Training Form
10.13 Instructor RHS Training Form
10.14 Instructor Evaluation
10.15 RHS Qualifications for Line Captains
10.16 Designated Examiner Certificate
10.17 Test Report
10.18 Confidential Report Form
10.19 Flight Crew Training Record
10.20 Flight Instructor Training Record
10.21 Flight Dispatchers Training Form
10.22 Flight Dispatchers Training Record
10.23 Flight Attendant Training Record
10.24 In flight Competeny Check
10.25 Competency Check & A/C Ground Training

CHAPTER 7 FLIGHT DISPATCHERS TRAINING

7.0 General
7.1 Basic Indoctrination
7.2Flight Dispatchers Recurrent Training

CHAPTER 8 SIMULATOR EVALUATION POLICY

8.1Introduction
8.2Testes required for simulator evaluation
8.3Comparison of Simulator Levels by Different Regularity Authorities
8.4FLASH AIRLINES Simulator Test Requirements to Approve a Flight Simulator
8.5Egyptian CAA Requirements to Approve Flight Simulator

CHAPTER 9 FLIGHT ATTENDANT BASIC INDOCTRINATION TRAINING

9.0 General
9.1 Initial new hire training
9.2 General Emergency Training
9.3 Aircraft Ground Training
9.4 Differences
9.5 Transition Training
9.6 Qualification
9.7 Recurrent Training
9.8 24 month recurrent training program .
9.9 Re-qualification Training
9.10 General Policy
9.11 Briefing Scenario Program
9.12 Flight Attendant Instructor

4.5 Flight Instructor/ Check Airman initial Training
4.6 Check Airman recurrent Training
4.7 Command Conversion Training
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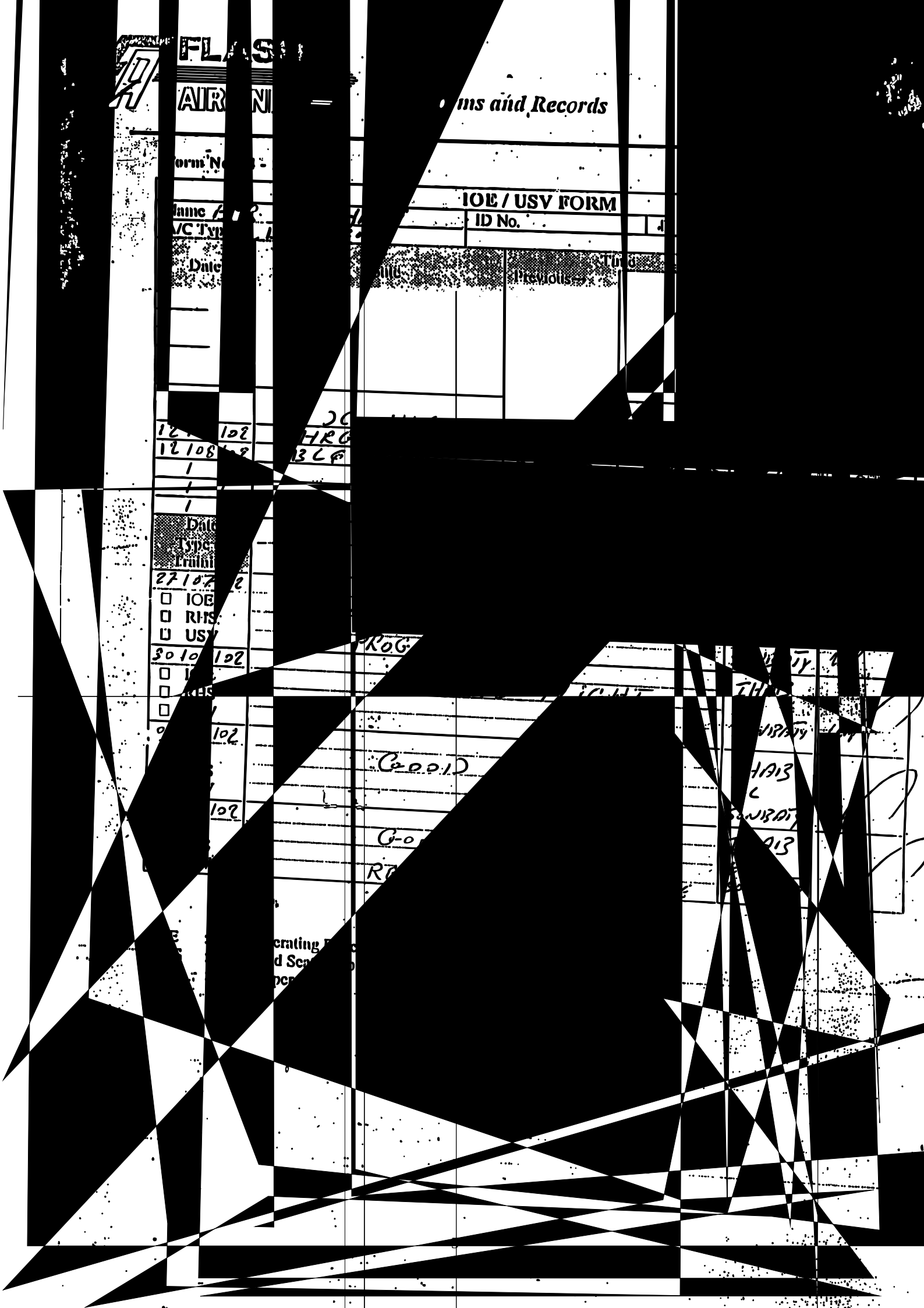

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IOE / USV FORM (Cont'd)

EVALUATION

KNOWLEDGE	US	S
FLIGHT OPERATION MANUAL (FOM)and Relevant ECARs	?	✓
A/C Systems, Limitations and Performance	?	✓
Normal, Non-Normal Procedures*	?	✓
LUXOR AIR Operations Specifications	?	✓
FLYING SKILLS	**US**	**S**
Compliance with SOP (Flight operations Manual & FCOM)	?	✓
Attitude flying and correct trim technique	?	✓
Use of FMC, PMS, FMGS, etc...	?	✓
Aeroplane configuration, Attitude & Speed control	?	✓
Flying accuracy & Smoothness	?	✓
MANAGMENT	**US**	**S**
Compliance with FLIGHT OPERATION MANUAL (FOM)	?	✓
Planning ahead and use of FMC, PMS, FMGS, etc...	?	✓
Crew co-ordination and use of available resources	?	✓
Adherence to clearances and safe heights	?	✓
Situational awareness	?	✓
Cabin crew safety briefing	?	✓

Remarks

HE HAS PASSED WITH GOOD KNOWLEDG AND GOOD PERFORMANCE

Date	ID No.	Signature
12-08-02	1003	[signature]

This is to certify that all applicable Flight Training and Discussion items on this form have been complied and trainee is Ready For final line check and company oral

✓ IP Name	Signature	Date
IHABEL SONBATY	[signature]	12-08-02
1003	Trainee's Signature	[signature]

Training Manager [signature]

*Normal procedures : are Abnormal, Additional, Alternate and Emergency Procedures.