

NATIONAL TRANSPORTATION SAFETY BOARD
Office of Research and Engineering
Washington, D.C.

December 18, 2000

Group Chairman's Factual Report - Flight Data Recorder

A. ACCIDENT DCA00MA030

Location: Burbank-Glendale-Pasadena Airport, California
Date: March 5, 2000
Time: 1811 Local Time (PST)
Aircraft: Southwest Airlines Co. Flight 1455, a Boeing
 737-300, N668SW

B. GROUP IDENTIFICATION

Chairman : Thomas R. Jacky, NTSB
Member : Prewitt Reaves, Southwest Airlines
Member : Craig Heinrichson, Southwest Airlines Pilots Association

C. SUMMARY

On Sunday, March 5, 2000, at 6:11 PST, a Southwest Airlines Boeing 737-300, N668SW, operating as flight 1455 from Las Vegas, Nevada, overran the departure end of runway 08 following a landing at Burbank-Glendale-Pasadena Airport, Burbank, California. The airplane traveled through a fence at the end of the runway and came to rest on a highway outside the airport perimeter. There were no fatalities to the 137 passengers and 5 crewmembers aboard. The flight was on an IFR flight plan and was cleared for a visual approach to land. VFR weather conditions prevailed at the time.

The flight data recorder (FDR), an Allied Signal Aerospace solid-state Flight Data Recorder (SSFDR) model SSFDR 980-4700-001, serial number 792, was removed from N668SW after the accident. The FDR was hand-carried by a representative of the airline to the Vehicle Recorder Division's laboratory in Washington, D.C. for readout and evaluation.

Readout of the FDR was accomplished using the laboratory's playback hardware. Readout was accomplished without significant data loss throughout download of the accident

flight. Plots and tabular listings of pertinent data were then prepared for inclusion in this report.

The FDR data for the accident flight indicate the following:

- 1) During the final five minutes of data prior to airplane touchdown at the Burbank-Glendale-Pasadena Airport, the FDR recorded airspeed values consistently above 200 knots until about 10 seconds prior to touchdown. The airplane's recorded acceleration data indicate that initial airplane touchdown occurred at 37,946 seconds FDR Elapsed Time¹. At the time of touchdown, the airplane's airspeed was recorded as 182 knots.
- 2) During the final five minutes of FDR data prior to airplane touchdown, the maximum wind speed value recorded was 27.5 knots, at 37,838 seconds. After 37,838 seconds, the wind speed values generally decreased, until the value at touchdown of 2.5 knots, and were recorded from 60° to 70° left of the airplane's nose.
- 3) At about 37,750 seconds, the N1 values for both the left and right engines decreased, from 61.35% and 60.48% to approximately 32% and 28%, respectively. The N1 values remained constant for approximately three minutes, until increasing at 37,950 seconds, coincident with the deployment of the airplane's thrust reversers.
- 4) The first indication of trailing edge flap movement, from zero flaps, occurred at 37,860 seconds. The trailing edge flap positions increased to values of about 30 degrees by 37,921 seconds. The values remained constant until time 37,953 seconds (following airplane touchdown), then increased to approximately 40 degrees at 37,956 seconds.
- 5) Observation of the acceleration data indicates that first impact with the airport retaining fence occurred at time 37,966, 20 seconds after touchdown. During the 20 seconds from touchdown to impact, longitudinal acceleration decreased to a local minimum value of -0.572 G's at time 37,959 seconds.
- 6) After touchdown, lateral acceleration remained approximately zero until 37,962 seconds, when lateral acceleration increased coincident with the airplane's right heading change. After the airplane impacted the airport retaining fence, lateral acceleration then decreased and returned to approximately zero.

In the same manner, longitudinal acceleration increased after touchdown to a maximum value of -0.572 G's at 37,959 seconds. The values then decreased, coincident with the change of heading.

¹ All times are FDR Elapsed Time, unless otherwise noted.

- 7) The last valid recorded subframe of data was at 37,986 seconds.

Southwest Airlines also provided the FDR from the airplane that preceded the accident airplane into Burbank. The airline identified the airplane as Flight 1713, a Boeing 737-300, tail number N335SW. The airline removed the FDR from N335SW on Monday, March 6, 2000, the day following the accident. The FDR was hand-carried to the NTSB FDR Laboratory on March 10, 2000. The contents of N335SW's FDR were downloaded and, using the flight history of the airplane supplied by Southwest Airlines, the airplane's approach and landing, as Flight 1713, into Burbank Airport, were identified and plotted. In addition, the entire contents of the FDR were downloaded and the previous approaches and landings of the accident airplane observed. During the 25-hours of data, 20 landings were recorded in addition to Flight 1713's landing at Burbank.

D. DETAILS OF INVESTIGATION

1. Southwest Airlines Flight 1455, N668SW

A. Description of Recorded Data

This model FDR records airplane flight information in a digital format using solid-state Flash Memory as the recording medium. The FDR records 64 words of digital information every second, with each word 12 bits in length. Each grouping of 64 words (each second) is called a subframe. Each subframe has a unique 12-bit synchronization (sync) word identifying it as either subframe 1, 2, 3, or 4. The sync word is the first word in each subframe. Each grouping of consecutive 1, 2, 3, and 4 subframes comprise a frame (i.e., four seconds of data). The data stream is "in sync" when successive sync words appear at the proper 64-word intervals. Each data parameter (e.g. altitude, heading, airspeed) has a specifically assigned word number within the subframe.

If the data stream is interrupted, the sync words will not appear at the proper interval or sequence and sync will be lost along with the surrounding data. An interruption of electrical power to the recorder will also interrupt the serial data stream and cause a loss of sync.

The airplane manufacturer provided a document with information for converting the recorded information from binary to engineering units. A listing of the FDR parameters described by the document is included in Attachment 1.

The FDR's recording medium is required to retain the airplane's most recent 25 hours of operation. Erasing the oldest data and replacing it with the newest accomplishes this.

B. Examination and Readout

The FDR removed from N668SW was sent to the Vehicle Recorder Division's laboratory in Washington, D.C. following the accident. Upon receipt, the recorder was examined for damage. The FDR's dust cover and internal electronic components exhibited no indication of damage or excessive wear.

The FDR was connected to a desktop computer to download data from the FDR into computer memory. Using software provided by the recorder manufacturer, the entire contents of the FDR were downloaded into an NTSB computer. The resultant raw data file was then formatted into a file structure compatible with the Safety Board's Recovery, Analysis, and Presentation System (RAPS) software. The file was then transferred to the RAPS workstation.

The downloaded data were converted from the recorded binary values (0's and 1's) to decimal counts (0 to 4,095) and finally to engineering units (e.g., feet, knots, degrees, etc.) using conversion formulas obtained from the airplane manufacturer. FDR elapsed time, or subframe reference number, from the beginning of the data transcription was used as the time base for data output. The FDR also recorded an independent time source (e.g., Frame Counter) to provide additional timing information.

The entire contents of the accident FDR (i.e., 25 hours) were transcribed to a computer file. Eleven landings and eleven takeoffs were recorded during the previous 25 hours of operation.

C. Data Printout and Graphs

Tabular printouts of selected parameters for the final 5 minutes of recorded data, from 37,690 to 37,986 seconds, are included in Attachment 2.

Six plots of selected parameters during the accident sequence are included in Attachment 3. The plots cover the time period from 37,690 to 37,990 seconds.

2. Southwest Airlines Flight 1713, N335SW

A. Description of Recorded Data

Southwest Airlines identified the aircraft that immediately preceded the accident airplane into Burbank as Southwest Flight 1713 and tail number N335SW. The airplane's FDR, an Allied Signal Solid-State Universal Flight Data Recorder (SSUFDR), part number 980-4120-KXUS, serial number 509, was removed from N335SW and sent to the Vehicle Recorder Laboratory in Washington, D.C., for readout and evaluation.

This model FDR records airplane flight information in a digital format using solid-state Flash Memory as the recording medium. The FDR records 64 words of digital information every second, with each word 12 bits in length. Each grouping of 64 words (each second) is called a subframe. Each subframe has a unique 12-bit synchronization (sync) word identifying it as either subframe 1, 2, 3, or 4. The sync word is the first word in each subframe. Each grouping of consecutive 1, 2, 3, and 4 subframes comprise a frame (i.e., four seconds of data). The data stream is "in sync" when successive sync words appear at the proper 64-word intervals. Each data parameter (e.g. altitude, heading, airspeed) has a specifically assigned word number within the subframe.

If the data stream is interrupted, the sync words will not appear at the proper interval or sequence and sync will be lost along with the surrounding data. An interruption of electrical power to the recorder will also interrupt the serial data stream and cause a loss of sync.

The FDR's recording medium is required to retain the airplane's most recent 25 hours of operation. Erasing the oldest data and replacing it with the newest accomplishes this.

N335SW's FDR recorded the same parameters as N668SW, the accident airplane. The airplane manufacturer provided a document with information for converting the recorded information from binary to engineering units. A listing of the FDR parameters described by the document is included in Attachment 1.

B. Examination and Readout

The FDR removed from N335SW was hand-carried to the Vehicle Recorder Division's laboratory in Washington, D.C. following the accident. Upon receipt, the recorder was examined for damage. The FDR's dust cover and internal electronic components exhibited no indication of damage or excessive wear.

The FDR was connected to a desktop computer to download data from the FDR into computer memory. Using software provided by the recorder manufacturer, the entire contents of the FDR were downloaded into an NTSB computer. The resultant raw data file was then formatted into a file structure compatible with the Safety Board's Recovery, Analysis, and Presentation System (RAPS) software. The file was then transferred to the RAPS workstation.


The downloaded data were converted from the recorded binary values (0's and 1's) to decimal counts (0 to 4,095) and finally to engineering units (e.g., feet, knots, degrees, etc.) using conversion formulas obtained from the airplane manufacturer. FDR elapsed time, or subframe reference number, from the beginning of the data transcription was used as the time base for data output. The FDR also recorded an independent time source (e.g., Frame Counter) to provide additional timing information.

The entire contents of the accident FDR (i.e., 25 hours) were transcribed to a computer file. Eleven landings and eleven takeoffs were recorded during the previous 25 hours of operation.

C. Data Printout and Graphs

A tabular printout of selected parameters for the final approach and landing, from 70,780 to 70,839 seconds, are included in Attachment 4.

Six plots of selected parameters during the accident sequence are included in Attachment 5. The plots cover the time period from 70,640 to 70,900 seconds.


Tom Jacky
Aerospace Engineer

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Attachments

1. N668SW and N335SW FDR Parameter List
2. Tabular Listings of Southwest Airlines Flight 1455 FDR Data
3. Plots of Southwest Airlines Flight 1455 FDR Data
4. Tabular Listings of Southwest Airlines Flight 1713 FDR Data
5. Plots of Southwest Airlines Flight 1713 FDR Data

ATTACHMENT 1

N668SW and N335SW FDR Parameter List

N668SW and N713SW Parameter Lists

| | | |
|-----------------------------|---------------------------|-----------------------|
| Acceleration - Lateral | Local Limited Master | TO/GA |
| Acceleration - Longitudinal | Longitude | Total Air Temperature |
| Acceleration - Vertical | Magnetic Heading | V/S Mode |
| ALT Acquire | MCP Speed | VHF KEYING CENTER |
| ALT Hold | N1 - Engine 1 | VHF KEYING LEFT |
| Altitude - Coarse | N1 - Engine 2 | VHF KEYING RIGHT |
| Altitude - Fine | Pitch Attitude | VNAV Mode |
| Approach | Pitch Trim Position | VOR/LOC |
| Autopilot ON/OFF | Roll Attitude | VOR/LOC |
| CMD A | Rudder Pedal Position | Wind Direction |
| CMD B | Rudder Position | Wind Speed |
| Computed Airspeed | Single Channel | |
| Control Column Position | Slat 1 Full Extend | |
| Control Wheel Position | Slat 1 Intransit | |
| CWS A | Slat 1 Mid Extend | |
| CWS B | Slat 2 Full Extend | |
| CWS Pitch | Slat 2 Intransit | |
| CWS Roll | Slat 2 Mid Extend | |
| Drift Angle | Slat 3 Full Extend | |
| Elevator Position | Slat 3 Intransit | |
| F/D A On | Slat 3 Mid Extend | |
| F/D B On | Slat 4 Full Extend | |
| Flap 1 Extend | Slat 4 Intransit | |
| Flap 1 Intransit | Slat 4 Mid Extend | |
| Flap 2 Extend | Slat 5 Full Extend | |
| Flap 2 Intransit | Slat 5 Intransit | |
| Flap 3 Extend | Slat 5 Mid Extend | |
| Flap 3 Intransit | Slat 6 Full Extend | |
| Flap 4 Extend | Slat 6 Intransit | |
| Flap 4 Intransit | Slat 6 Mid Extend | |
| Flare Engage | Static Air Temperature | |
| Frame Counter | Static Pressure | |
| G/S Engage | T/R Deploy Left INBOARD | |
| Greenwich Mean Time | T/R Deploy Left OUTBOARD | |
| Groundspeed | T/R Deploy Right INBOARD | |
| HDG Select | T/R Deploy Right OUTBOARD | |
| Impact Pressure | T/R Unlock Left INBOARD | |
| Latitude | T/R Unlock Left OUTBOARD | |
| Left Aileron Position | T/R Unlock Right INBOARD | |
| Left Elevator Position | T/R Unlock Right OUTBOARD | |
| Level Change | TE Flap Position Left | |
| LNAV Mode | TE Flap Position Right | |

ATTACHMENT 2

Tabular Listings of Southwest Airlines Flight 1455 FDR Data

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37690 | 241.5 | -0.01 | 1.41 | -0.35 | 5456 | 160.66 | -0.004 | 0.987 | 23.5 | -87.19 | -5.19 | 262 |
| | | -0.01 | | | | | 0.004 | 1.005 | | | | |
| | | -0.012 | | | | | -0.002 | 1.005 | | | | |
| | | -0.012 | | | | | -0.006 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37691 | 241.5 | -0.014 | 1.41 | -0.7 | 5428 | 160.66 | -0.002 | 0.987 | 24 | -88.94 | -5.27 | 262 |
| | | -0.014 | | | | | 0.002 | 0.978 | | | | |
| | | -0.014 | | | | | 0 | 0.969 | | | | |
| | | -0.01 | | | | | -0.004 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37692 | 241.5 | -0.008 | 1.76 | -0.35 | 5404 | 160.66 | -0.004 | 1.024 | 24 | -88.59 | -5.27 | 262 |
| | | -0.006 | | | | | 0.004 | 1.024 | | | | |
| | | -0.006 | | | | | 0.004 | 1.033 | | | | |
| | | -0.006 | | | | | 0.004 | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37693 | 241 | -0.006 | 2.11 | -0.35 | 5380 | 160.66 | 0.006 | 1.051 | 23.5 | -87.19 | -5.19 | 262 |
| | | -0.006 | | | | | 0.006 | 1.051 | | | | |
| | | -0.008 | | | | | 0.008 | 1.042 | | | | |
| | | -0.008 | | | | | 0 | 1.033 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37694 | 240.5 | -0.008 | 2.29 | 0.35 | 5360 | 160.31 | 0.004 | 1.015 | 23 | -84.73 | -5.01 | 262 |
| | | -0.01 | | | | | -0.008 | 1.024 | | | | |
| | | 0 | | | | | -0.004 | 1.024 | | | | |
| | | -0.004 | | | | | 0 | 1.024 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37695 | 240.5 | -0.004 | 2.64 | -0.35 | 5340 | 160.31 | -0.01 | 1.051 | 23 | -83.32 | -5.01 | 261.5 |
| | | 0 | | | | | -0.01 | 1.051 | | | | |
| | | 0 | | | | | -0.008 | 1.051 | | | | |
| | | 0 | | | | | -0.008 | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| 37696 | 241 | 0.002 | 2.99 | -0.7 | 5320 | 160.31 | -0.004 | 1.051 | 23 | -86.48 | -5.1 | 261.5 |
| | | 0.002 | | | | | -0.004 | 1.051 | | | | |
| | | 0.002 | | | | | 0 | 1.051 | | | | |
| | | 0.002 | | | | | 0.002 | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37697 | 240.5 | 0.002 | 3.52 | -0.7 | 5300 | 160.31 | 0 | 1.051 | 23.5 | -86.13 | -5.19 | 261 |
| | | 0.002 | | | | | -0.002 | 1.06 | | | | |
| | | 0.002 | | | | | 0.002 | 1.06 | | | | |
| | | 0.006 | | | | | 0.01 | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37698 | 239 | 0 | 3.87 | -0.35 | 5284 | 160.31 | -0.004 | 1.079 | 23 | -82.62 | -5.1 | 261 |
| | | 0.002 | | | | | 0.006 | 1.051 | | | | |
| | | 0.002 | | | | | 0.01 | 1.042 | | | | |
| | | 0.002 | | | | | -0.014 | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37699 | 239 | 0.002 | 4.04 | 0.7 | 5272 | 159.96 | -0.016 | 1.07 | 22.5 | -82.62 | -4.92 | 260 |
| | | 0.002 | | | | | -0.004 | 1.06 | | | | |
| | | 0.002 | | | | | -0.01 | 1.051 | | | | |
| | | 0.002 | | | | | -0.006 | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| 37700 | 239 | 0.004 | 4.22 | 0 | 5260 | 159.96 | -0.006 | 1.06 | 22.5 | -84.73 | -5.01 | 259.5 |
| | | 0.002 | | | | | -0.006 | 1.051 | | | | |
| | | 0 | | | | | -0.008 | 1.051 | | | | |
| | | 0 | | | | | -0.006 | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37701 | 238 | 0 | 4.39 | -0.7 | 5248 | 160.31 | -0.002 | 1.024 | 23 | -84.37 | -5.1 | 259 |
| | | 0.002 | | | | | -0.004 | 1.024 | | | | |
| | | 0.002 | | | | | -0.006 | 1.024 | | | | |
| | | 0.002 | | | | | -0.004 | 1.033 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37702 | 238.5 | 0.002 | 4.92 | -0.35 | 5240 | 160.31 | 0 | 1.051 | 23.5 | -87.54 | -5.19 | 258 |
| | | 0 | | | | | -0.006 | 1.051 | | | | |
| | | 0.002 | | | | | -0.008 | 1.051 | | | | |
| | | 0 | | | | | -0.01 | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| 37703 | 238.5 | 0.002 | 5.1 | -0.35 | 5232 | 160.31 | -0.012 | 1.051 | 24 | -88.94 | -5.36 | 257 |
| | | 0.004 | | | | | -0.008 | 1.051 | | | | |
| | | 0.002 | | | | | -0.008 | 1.06 | | | | |
| | | 0.002 | | | | | -0.008 | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37704 | 237.5 | 0.004 | 5.45 | -0.7 | 5224 | 160.31 | -0.002 | 1.051 | 25.5 | -88.94 | -5.63 | 256 |
| | | 0.004 | | | | | -0.004 | 1.051 | | | | |
| | | 0.006 | | | | | -0.004 | 1.051 | | | | |
| | | 0.006 | | | | | -0.006 | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| 37705 | 237 | 0.008 | 5.62 | -0.7 | 5220 | 160.66 | -0.006 | 1.06 | 26 | -89.3 | -5.89 | 255 |
| | | 0.01 | | | | | -0.002 | 1.051 | | | | |
| | | 0.012 | | | | | -0.002 | 1.051 | | | | |
| | | 0.012 | | | | | 0.002 | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37706 | 236 | 0.014 | 5.98 | -0.7 | 5220 | 160.66 | 0 | 1.051 | 26.5 | -89.3 | -6.06 | 254 |
| | | 0.016 | | | | | 0.002 | 1.042 | | | | |
| | | 0.02 | | | | | 0.006 | 1.042 | | | | |
| | | 0.022 | | | | | 0.004 | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37707 | 235 | 0.024 | 6.15 | 0 | 5220 | 160.66 | 0.002 | 1.051 | 26.5 | -88.94 | -6.06 | 253.5 |
| | | 0.028 | | | | | 0.008 | 1.051 | | | | |
| | | 0.031 | | | | | 0.004 | 1.051 | | | | |
| | | 0.035 | | | | | 0.006 | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37708 | 234.5 | 0.037 | 6.33 | 0 | 5220 | 160.66 | 0.004 | 1.051 | 26.5 | -89.3 | -6.06 | 252.5 |
| | | 0.039 | | | | | 0 | 1.06 | | | | |
| | | 0.039 | | | | | 0 | 1.06 | | | | |
| | | 0.041 | | | | | 0.004 | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| 37709 | 234 | 0.041 | 6.33 | 0 | 5224 | 160.66 | 0.006 | 1.033 | 26 | -89.65 | -5.98 | 252 |
| | | 0.043 | | | | | 0.004 | 1.024 | | | | |
| | | 0.043 | | | | | -0.002 | 1.015 | | | | |
| | | 0.045 | | | | | 0 | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.033 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37710 | 233.5 | 0.045 | 6.33 | 0 | 5228 | 160.66 | 0.002 | 1.033 | 26 | -88.59 | -5.98 | 251.5 |
| | | 0.045 | | | | | 0 | 1.033 | | | | |
| | | 0.047 | | | | | 0.004 | 1.033 | | | | |
| | | 0.049 | | | | | 0.004 | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37711 | 232.5 | 0.049 | 6.33 | 0 | 5232 | 160.66 | 0.002 | 1.005 | 25.5 | -87.54 | -5.89 | 251 |
| | | 0.053 | | | | | 0 | 1.005 | | | | |
| | | 0.053 | | | | | 0 | 1.005 | | | | |
| | | 0.055 | | | | | 0 | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37712 | 232.5 | 0.055 | 6.15 | 0 | 5236 | 160.31 | 0 | 0.996 | 25 | -87.54 | -5.8 | 251 |
| | | 0.057 | | | | | -0.002 | 0.987 | | | | |
| | | 0.059 | | | | | -0.002 | 0.987 | | | | |
| | | 0.057 | | | | | 0 | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37713 | 232.5 | 0.059 | 6.15 | 0 | 5240 | 160.31 | 0.002 | 0.996 | 24.5 | -88.59 | -5.71 | 250.5 |
| | | 0.057 | | | | | 0.002 | 0.996 | | | | |
| | | 0.059 | | | | | 0.002 | 0.996 | | | | |
| | | 0.059 | | | | | 0.004 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37714 | 232.5 | 0.061 | 6.15 | 0.35 | 5244 | 160.31 | 0 | 0.996 | 24 | -88.59 | -5.63 | 250.5 |
| | | 0.059 | | | | | 0.002 | 1.005 | | | | |
| | | 0.061 | | | | | -0.006 | 1.015 | | | | |
| | | 0.057 | | | | | -0.002 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37715 | 232.5 | 0.057 | 5.98 | 0.35 | 5248 | 159.96 | -0.002 | 0.969 | 23.5 | -88.59 | -5.54 | 250.5 |
| | | 0.055 | | | | | -0.002 | 0.969 | | | | |
| | | 0.057 | | | | | -0.002 | 0.96 | | | | |
| | | 0.057 | | | | | -0.006 | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37716 | 232.5 | 0.055 | 5.98 | 0 | 5252 | 159.96 | -0.002 | 0.996 | 23.5 | -88.94 | -5.45 | 250 |
| | | 0.055 | | | | | -0.006 | 0.996 | | | | |
| | | 0.055 | | | | | -0.006 | 0.996 | | | | |
| | | 0.053 | | | | | 0 | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37717 | 232 | 0.053 | 5.62 | 0 | 5256 | 159.96 | -0.002 | 0.96 | 23.5 | -88.24 | -5.45 | 250 |
| | | 0.049 | | | | | -0.004 | 0.951 | | | | |
| | | 0.049 | | | | | -0.006 | 0.96 | | | | |
| | | 0.051 | | | | | -0.008 | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37718 | 231.5 | 0.053 | 5.62 | 0 | 5256 | 159.96 | -0.004 | 0.969 | 23.5 | -87.19 | -5.45 | 250 |
| | | 0.056 | | | | | 0 | 0.978 | | | | |
| | | 0.055 | | | | | 0.004 | 0.987 | | | | |
| | | 0.053 | | | | | -0.004 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37719 | 232 | 0.053 | 5.45 | 0.35 | 5260 | 159.96 | -0.006 | 0.996 | 23 | -88.94 | -5.36 | 250 |
| | | 0.051 | | | | | -0.004 | 0.987 | | | | |
| | | 0.051 | | | | | -0.006 | 0.987 | | | | |
| | | 0.051 | | | | | -0.008 | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37720 | 231.5 | 0.051 | 5.45 | 0.35 | 5260 | 159.96 | -0.008 | 0.969 | 23.5 | -87.89 | -5.36 | 250 |
| | | 0.051 | | | | | -0.008 | 0.969 | | | | |
| | | 0.051 | | | | | -0.008 | 0.969 | | | | |
| | | 0.051 | | | | | -0.004 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37721 | 231 | 0.051 | 5.45 | 0 | 5264 | 159.96 | -0.002 | 0.978 | 23.5 | -87.54 | -5.45 | 250 |
| | | 0.051 | | | | | -0.004 | 0.987 | | | | |
| | | 0.051 | | | | | -0.002 | 0.978 | | | | |
| | | 0.053 | | | | | -0.002 | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37722 | 230.5 | 0.051 | 5.27 | 0 | 5264 | 159.96 | 0 | 0.978 | 23.5 | -85.43 | -5.36 | 250 |
| | | 0.051 | | | | | -0.002 | 0.969 | | | | |
| | | 0.051 | | | | | -0.002 | 0.969 | | | | |
| | | 0.053 | | | | | -0.002 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| 37723 | 229 | 0.053 | 5.27 | 0.35 | 5264 | 159.96 | -0.004 | 0.969 | 23 | -81.56 | -5.27 | 250 |
| | | 0.051 | | | | | -0.004 | 0.969 | | | | |
| | | 0.053 | | | | | -0.004 | 0.969 | | | | |
| | | 0.053 | | | | | -0.002 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| 37724 | 229 | 0.053 | 5.1 | 0.7 | 5260 | 159.61 | -0.004 | 0.969 | 23 | -80.86 | -5.19 | 250 |
| | | 0.053 | | | | | -0.002 | 0.969 | | | | |
| | | 0.053 | | | | | -0.002 | 0.969 | | | | |
| | | 0.053 | | | | | -0.004 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37725 | 229.5 | 0.053 | 5.27 | 0.7 | 5260 | 159.61 | -0.006 | 0.978 | 22.5 | -81.91 | -5.1 | 250 |
| | | 0.056 | | | | | -0.006 | 0.978 | | | | |
| | | 0.057 | | | | | -0.004 | 0.978 | | | | |
| | | 0.057 | | | | | -0.002 | 0.967 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37726 | 230.5 | 0.057 | 5.1 | 0.7 | 5256 | 159.61 | -0.004 | 0.996 | 21.5 | -83.67 | -5.01 | 250 |
| | | 0.059 | | | | | -0.002 | 0.996 | | | | |
| | | 0.057 | | | | | -0.004 | 0.996 | | | | |
| | | 0.057 | | | | | -0.012 | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37727 | 231 | 0.059 | 5.27 | 0.35 | 5256 | 159.61 | -0.006 | 0.978 | 21.5 | -83.67 | -4.92 | 250.5 |
| | | 0.063 | | | | | 0 | 0.987 | | | | |
| | | 0.063 | | | | | -0.002 | 1.005 | | | | |
| | | 0.061 | | | | | -0.006 | 1.033 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37728 | 231 | 0.057 | 5.27 | 0.35 | 5252 | 159.61 | -0.012 | 1.024 | 21.5 | -83.67 | -4.92 | 250.5 |
| | | 0.055 | | | | | -0.01 | 1.015 | | | | |
| | | 0.053 | | | | | -0.02 | 0.987 | | | | |
| | | 0.059 | | | | | -0.018 | 1.005 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37729 | 230 | 0.061 | 5.45 | -0.35 | 5252 | 159.61 | -0.018 | 0.996 | 22.5 | -81.56 | -5.01 | 250.5 |
| | | 0.059 | | | | | -0.014 | 1.015 | | | | |
| | | 0.061 | | | | | -0.008 | 1.015 | | | | |
| | | 0.061 | | | | | -0.012 | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37730 | 230.5 | 0.061 | 5.45 | -1.05 | 5252 | 159.96 | 0.01 | 1.024 | 23.5 | -82.97 | -5.36 | 250.5 |
| | | 0.059 | | | | | 0.006 | 1.005 | | | | |
| | | 0.055 | | | | | -0.014 | 1.005 | | | | |
| | | 0.057 | | | | | 0.002 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37731 | 231.5 | 0.059 | 5.45 | -0.35 | 5248 | 159.96 | -0.006 | 1.024 | 23.5 | -86.13 | -5.36 | 251 |
| | | 0.059 | | | | | 0.002 | 1.015 | | | | |
| | | 0.055 | | | | | 0 | 1.033 | | | | |
| | | 0.053 | | | | | 0.002 | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37732 | 231.5 | 0.055 | 5.45 | 0.35 | 5248 | 159.96 | -0.002 | 0.978 | 23 | -86.48 | -5.27 | 250.5 |
| | | 0.055 | | | | | -0.004 | 0.978 | | | | |
| | | 0.055 | | | | | -0.008 | 0.987 | | | | |
| | | 0.059 | | | | | -0.01 | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37733 | 231 | 0.059 | 5.62 | 0.7 | 5248 | 159.96 | -0.002 | 1.024 | 23 | -84.37 | -5.27 | 250.5 |
| | | 0.061 | | | | | -0.002 | 1.042 | | | | |
| | | 0.059 | | | | | -0.002 | 1.024 | | | | |
| | | 0.057 | | | | | -0.01 | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | TRUE | | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37734 | 231.5 | 0.059 | 5.45 | 0.7 | 5248 | 159.96 | -0.004 | 1.015 | 23 | -84.73 | -5.27 | 250.5 |
| | | 0.057 | | | | | -0.008 | 1.024 | | | | |
| | | 0.057 | | | | | -0.008 | 1.024 | | | | |
| | | 0.057 | | | | | -0.008 | 1.015 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37735 | 230 | 0.055 | 5.45 | 0.35 | 5252 | 159.96 | -0.008 | 0.978 | 23 | -82.62 | -5.27 | 250.5 |
| | | 0.057 | | | | | 0 | 0.978 | | | | |
| | | 0.059 | | | | | -0.002 | 0.969 | | | | |
| | | 0.061 | | | | | -0.002 | 0.978 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.033 | | | | |
| 37736 | 230.5 | 0.059 | 5.45 | 0.35 | 5252 | 159.96 | -0.004 | 1.051 | 23 | -83.67 | -5.19 | 251 |
| | | 0.059 | | | | | -0.012 | 1.033 | | | | |
| | | 0.059 | | | | | -0.004 | 1.015 | | | | |
| | | 0.059 | | | | | -0.004 | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37737 | 230 | 0.057 | 5.45 | -0.35 | 5252 | 159.96 | -0.006 | 1.015 | 23.5 | -82.27 | -5.27 | 251 |
| | | 0.059 | | | | | -0.006 | 1.015 | | | | |
| | | 0.059 | | | | | -0.004 | 0.996 | | | | |
| | | 0.057 | | | | | -0.01 | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37738 | 230.5 | 0.057 | 5.27 | -0.35 | 5256 | 159.96 | 0 | 0.996 | 23.5 | -82.97 | -5.36 | 251 |
| | | 0.057 | | | | | 0.006 | 1.005 | | | | |
| | | 0.057 | | | | | 0.002 | 0.996 | | | | |
| | | 0.057 | | | | | 0.006 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37739 | 231.5 | 0.057 | 5.27 | 0.35 | 5256 | 159.96 | 0.002 | 1.024 | 22.5 | -85.43 | -5.27 | 251 |
| | | 0.057 | | | | | 0 | 1.015 | | | | |
| | | 0.053 | | | | | -0.006 | 1.005 | | | | |
| | | 0.053 | | | | | -0.004 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37740 | 232 | 0.053 | 5.27 | 0.7 | 5260 | 159.61 | -0.004 | 0.978 | 22.5 | -86.13 | -5.1 | 251 |
| | | 0.053 | | | | | -0.004 | 0.978 | | | | |
| | | 0.053 | | | | | -0.014 | 0.987 | | | | |
| | | 0.053 | | | | | -0.012 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37741 | 231.5 | 0.055 | 5.27 | 0.35 | 5260 | 159.96 | -0.008 | 0.996 | 22.5 | -85.43 | -5.19 | 251 |
| | | 0.057 | | | | | -0.004 | 0.996 | | | | |
| | | 0.057 | | | | | -0.004 | 0.996 | | | | |
| | | 0.057 | | | | | -0.006 | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37742 | 231.5 | 0.057 | 5.1 | 0.35 | 5264 | 159.96 | -0.002 | 0.996 | 22.5 | -84.37 | -5.19 | 251 |
| | | 0.055 | | | | | -0.004 | 0.996 | | | | |
| | | 0.053 | | | | | -0.004 | 0.987 | | | | |
| | | 0.055 | | | | | -0.004 | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37743 | 231.5 | 0.055 | 4.92 | 0.35 | 5264 | 159.96 | -0.004 | 0.978 | 22.5 | -84.37 | -5.19 | 251.5 |
| | | 0.055 | | | | | -0.004 | 0.978 | | | | |
| | | 0.055 | | | | | -0.002 | 0.978 | | | | |
| | | 0.055 | | | | | -0.002 | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37744 | 231 | 0.053 | 4.92 | 0.35 | 5264 | 159.61 | -0.006 | 0.978 | 22.5 | -83.32 | -5.1 | 251.5 |
| | | 0.053 | | | | | -0.004 | 0.978 | | | | |
| | | 0.053 | | | | | -0.006 | 0.978 | | | | |
| | | 0.053 | | | | | -0.006 | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37745 | 231.5 | 0.053 | 4.92 | 0.35 | 5268 | 159.61 | -0.002 | 0.969 | 22 | -83.32 | -5.01 | 251.5 |
| | | 0.053 | | | | | -0.004 | 0.969 | | | | |
| | | 0.051 | | | | | -0.004 | 0.969 | | | | |
| | | 0.051 | | | | | -0.002 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37746 | 232 | 0.051 | 4.92 | 0.35 | 5268 | 159.61 | -0.004 | 0.969 | 22 | -84.02 | -5.01 | 252 |
| | | 0.051 | | | | | -0.002 | 0.969 | | | | |
| | | 0.051 | | | | | -0.002 | 0.969 | | | | |
| | | 0.051 | | | | | -0.006 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37747 | 232 | 0.051 | 4.92 | 0.35 | 5264 | 159.61 | -0.008 | 0.969 | 22 | -84.37 | -4.92 | 252 |
| | | 0.051 | | | | | -0.008 | 0.969 | | | | |
| | | 0.051 | | | | | -0.008 | 0.969 | | | | |
| | | 0.053 | | | | | -0.01 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37748 | 231 | 0.053 | 4.92 | 0.35 | 5264 | 159.61 | -0.006 | 0.978 | 22.5 | -81.21 | -5.01 | 252 |
| | | 0.053 | | | | | -0.006 | 0.978 | | | | |
| | | 0.053 | | | | | -0.006 | 0.978 | | | | |
| | | 0.053 | | | | | 0.002 | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37749 | 232 | 0.053 | 4.75 | 0.35 | 5260 | 159.61 | 0 | 0.987 | 22 | -82.97 | -5.01 | 252.5 |
| | | 0.053 | | | | | 0 | 0.987 | | | | |
| | | 0.051 | | | | | 0 | 0.978 | | | | |
| | | 0.051 | | | | | -0.004 | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37750 | 231.5 | 0.051 | 4.92 | 1.05 | 5260 | 159.61 | 0 | 0.969 | 22 | -81.91 | -4.92 | 252.5 |
| | | 0.049 | | | | | 0 | 0.978 | | | | |
| | | 0.053 | | | | | 0 | 0.978 | | | | |
| | | 0.051 | | | | | -0.002 | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37751 | 232.5 | 0.049 | 4.92 | 1.41 | 5256 | 159.61 | -0.014 | 0.996 | 22 | -84.02 | -4.83 | 252.5 |
| | | 0.049 | | | | | -0.024 | 1.015 | | | | |
| | | 0.053 | | | | | -0.006 | 0.987 | | | | |
| | | 0.053 | | | | | 0.002 | 0.978 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37752 | 232 | 0.049 | 5.1 | 0.35 | 5252 | 159.96 | 0.002 | 1.015 | 22.5 | -82.97 | -5.01 | 252.5 |
| | | 0.049 | | | | | 0.012 | 1.005 | | | | |
| | | 0.047 | | | | | 0.008 | 0.996 | | | | |
| | | 0.045 | | | | | -0.002 | 0.969 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37753 | 232 | 0.043 | 5.1 | 0.7 | 5248 | 159.96 | -0.004 | 0.978 | 22 | -82.62 | -5.01 | 252.5 |
| | | 0.041 | | | | | 0.002 | 0.987 | | | | |
| | | 0.039 | | | | | 0.004 | 0.987 | | | | |
| | | 0.037 | | | | | 0.002 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37754 | 230.5 | 0.035 | 5.1 | 1.76 | 5244 | 159.96 | -0.006 | 1.005 | 21.5 | -79.1 | -4.83 | 252 |
| | | 0.035 | | | | | -0.002 | 1.015 | | | | |
| | | 0.031 | | | | | -0.008 | 1.015 | | | | |
| | | 0.026 | | | | | -0.008 | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37755 | 231.5 | 0.022 | 4.92 | 1.05 | 5240 | 159.96 | -0.02 | 0.969 | 21.5 | -82.27 | -4.75 | 251.5 |
| | | 0.018 | | | | | -0.02 | 0.969 | | | | |
| | | 0.018 | | | | | -0.012 | 0.969 | | | | |
| | | 0.018 | | | | | 0.004 | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37756 | 230.5 | 0.016 | 5.1 | 0 | 5236 | 159.96 | 0.006 | 0.978 | 21.5 | -81.91 | -4.83 | 251 |
| | | 0.016 | | | | | -0.004 | 0.969 | | | | |
| | | 0.016 | | | | | -0.01 | 0.969 | | | | |
| | | 0.018 | | | | | -0.004 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37757 | 229 | 0.016 | 5.27 | 0.35 | 5228 | 159.96 | -0.004 | 0.996 | 21.5 | -78.75 | -4.75 | 250 |
| | | 0.014 | | | | | -0.006 | 0.987 | | | | |
| | | 0.014 | | | | | 0.002 | 0.987 | | | | |
| | | 0.01 | | | | | -0.012 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.969 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs) | (degs) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37758 | 229.5 | 0.01 | 5.1 | 0 | 5224 | 159.96 | -0.004 | 0.969 | 21 | -81.21 | -4.83 | 249.5 |
| | | 0.012 | | | | | 0.012 | 0.969 | | | | |
| | | 0.008 | | | | | 0.01 | 0.969 | | | | |
| | | 0.006 | | | | | -0.002 | 0.96 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37759 | 228 | 0.008 | 5.27 | 0.7 | 5220 | 159.61 | 0.006 | 0.996 | 20.5 | -79.45 | -4.66 | 248.5 |
| | | 0.014 | | | | | -0.006 | 0.996 | | | | |
| | | 0.014 | | | | | 0.002 | 1.005 | | | | |
| | | 0.012 | | | | | -0.002 | 1.015 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37760 | 227.5 | 0.008 | 5.1 | 1.41 | 5216 | 159.61 | -0.012 | 1.033 | 20 | -79.45 | -4.57 | 247.5 |
| | | 0.006 | | | | | -0.016 | 1.024 | | | | |
| | | 0.004 | | | | | -0.01 | 1.015 | | | | |
| | | 0.002 | | | | | -0.002 | 1.005 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.941 | | | | |
| 37761 | 227 | 0 | 4.39 | 1.41 | 5208 | 159.96 | -0.002 | 0.941 | 20 | -80.16 | -4.57 | 247 |
| | | -0.004 | | | | | -0.006 | 0.941 | | | | |
| | | -0.004 | | | | | -0.012 | 0.932 | | | | |
| | | -0.002 | | | | | -0.004 | 0.923 | | | | |
| | | | | | | | | 0.896 | | | | |
| | | | | | | | | 0.896 | | | | |
| | | | | | | | | 0.896 | | | | |
| | | | | | | | | 0.896 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37762 | 226 | -0.004 | 3.69 | 0.7 | 5200 | 159.96 | -0.002 | 0.866 | 21 | -80.51 | -4.75 | 246.5 |
| | | -0.006 | | | | | -0.006 | 0.868 | | | | |
| | | -0.006 | | | | | -0.002 | 0.859 | | | | |
| | | -0.006 | | | | | -0.004 | 0.868 | | | | |
| | | | | | | | | 0.868 | | | | |
| | | | | | | | | 0.877 | | | | |
| | | | | | | | | 0.868 | | | | |
| | | | | | | | | 0.868 | | | | |
| 37763 | 226 | -0.008 | 3.34 | 0.7 | 5188 | 159.96 | -0.006 | 0.868 | 21.5 | -81.91 | -4.92 | 246 |
| | | -0.008 | | | | | -0.006 | 0.868 | | | | |
| | | -0.006 | | | | | -0.006 | 0.868 | | | | |
| | | -0.004 | | | | | -0.002 | 0.886 | | | | |
| | | | | | | | | 0.896 | | | | |
| | | | | | | | | 0.886 | | | | |
| | | | | | | | | 0.877 | | | | |
| | | | | | | | | 0.896 | | | | |
| 37764 | 224 | 0.002 | 3.34 | 0.7 | 5172 | 160.31 | 0.004 | 0.932 | 22.5 | -79.45 | -5.1 | 245.5 |
| | | 0 | | | | | 0 | 0.951 | | | | |
| | | 0 | | | | | -0.002 | 0.932 | | | | |
| | | 0.002 | | | | | -0.012 | 0.923 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 0.923 | | | | |
| 37765 | 224 | 0.002 | 3.16 | 1.05 | 5152 | 160.31 | -0.002 | 0.932 | 23 | -78.75 | -5.19 | 245.5 |
| | | 0.002 | | | | | -0.008 | 0.923 | | | | |
| | | 0.004 | | | | | -0.01 | 0.923 | | | | |
| | | 0.004 | | | | | -0.006 | 0.932 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37766 | 224 | 0.002 | 3.16 | 0 | 5132 | 160.66 | -0.006 | 0.951 | 24.5 | -79.8 | -5.54 | 245 |
| | | 0.006 | | | | | 0.002 | 0.941 | | | | |
| | | 0.006 | | | | | 0.002 | 0.941 | | | | |
| | | 0.006 | | | | | 0.004 | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37767 | 223.5 | 0.008 | 2.99 | 0.35 | 5112 | 161.01 | 0.002 | 0.978 | 24.5 | -80.51 | -5.63 | 245 |
| | | 0.006 | | | | | 0.004 | 0.978 | | | | |
| | | 0.004 | | | | | 0.008 | 0.987 | | | | |
| | | 0.006 | | | | | 0 | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37768 | 224 | 0.008 | 2.99 | 0.35 | 5092 | 161.01 | 0 | 0.996 | 24.5 | -81.56 | -5.71 | 245 |
| | | 0.008 | | | | | 0 | 0.996 | | | | |
| | | 0.006 | | | | | 0.004 | 0.996 | | | | |
| | | 0.006 | | | | | 0.004 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37769 | 223.5 | 0.006 | 2.81 | 0 | 5068 | 161.01 | 0.004 | 0.978 | 25 | -80.51 | -5.71 | 245 |
| | | 0.004 | | | | | 0 | 0.978 | | | | |
| | | 0.004 | | | | | 0.002 | 0.978 | | | | |
| | | 0.004 | | | | | -0.002 | 0.969 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37770 | 223.5 | 0.002 | 2.46 | -0.35 | 5044 | 161.37 | -0.004 | 0.969 | 25.5 | -81.21 | -5.89 | 245 |
| | | 0.002 | | | | | 0.002 | 0.96 | | | | |
| | | 0.002 | | | | | 0.004 | 0.951 | | | | |
| | | 0.002 | | | | | 0.006 | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.932 | | | | |
| 37771 | 223 | 0.002 | 2.29 | -0.35 | 5020 | 161.37 | 0.006 | 0.932 | 25.5 | -80.16 | -5.89 | 245 |
| | | 0.002 | | | | | 0 | 0.932 | | | | |
| | | 0.004 | | | | | 0.002 | 0.941 | | | | |
| | | 0.004 | | | | | 0.008 | 0.941 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37772 | 223.5 | 0.002 | 1.93 | -0.7 | 4996 | 161.37 | 0.004 | 0.96 | 25.5 | -79.8 | -5.89 | 245 |
| | | -0.002 | | | | | 0.002 | 0.951 | | | | |
| | | -0.002 | | | | | 0.006 | 0.932 | | | | |
| | | 0 | | | | | 0.008 | 0.923 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.923 | | | | |
| 37773 | 223.5 | 0 | 1.93 | -0.7 | 4968 | 161.01 | 0.004 | 0.923 | 25 | -79.45 | -5.8 | 245 |
| | | 0.002 | | | | | 0.004 | 0.932 | | | | |
| | | 0.004 | | | | | 0.004 | 0.951 | | | | |
| | | 0.004 | | | | | 0.002 | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37774 | 223.5 | 0.002 | 1.76 | -0.7 | 4836 | 161.01 | 0 | 0.969 | 25 | -79.1 | -5.71 | 245.5 |
| | | 0.004 | | | | | 0 | 0.969 | | | | |
| | | 0.002 | | | | | 0.006 | 0.969 | | | | |
| | | 0.006 | | | | | 0.012 | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37775 | 224.5 | 0 | 1.58 | -0.35 | 4808 | 161.01 | 0.01 | 0.969 | 24 | -80.16 | -5.63 | 245.5 |
| | | -0.002 | | | | | -0.004 | 0.941 | | | | |
| | | 0.002 | | | | | 0.006 | 0.941 | | | | |
| | | 0.004 | | | | | 0.006 | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37776 | 225 | 0.006 | 1.58 | -0.35 | 4876 | 160.66 | 0.006 | 0.987 | 23.5 | -80.86 | -5.45 | 246 |
| | | 0.002 | | | | | 0.002 | 0.987 | | | | |
| | | 0.004 | | | | | -0.002 | 0.987 | | | | |
| | | 0.004 | | | | | -0.004 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37777 | 225.5 | 0.004 | 1.58 | -0.35 | 4844 | 160.66 | 0 | 0.987 | 23 | -80.51 | -5.36 | 246 |
| | | 0.004 | | | | | 0.006 | 0.987 | | | | |
| | | 0.004 | | | | | 0.006 | 0.987 | | | | |
| | | 0.004 | | | | | 0.002 | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37778 | 226 | 0.004 | 1.58 | -0.35 | 4812 | 160.31 | -0.002 | 0.987 | 22.5 | -80.51 | -5.19 | 246.5 |
| | | 0.002 | | | | | -0.006 | 0.987 | | | | |
| | | 0.002 | | | | | 0 | 0.987 | | | | |
| | | 0.002 | | | | | 0 | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37779 | 226 | 0.002 | 1.58 | -0.35 | 4780 | 160.31 | 0 | 0.978 | 22.5 | -78.4 | -5.1 | 247 |
| | | 0.002 | | | | | -0.004 | 0.978 | | | | |
| | | 0.004 | | | | | 0 | 0.987 | | | | |
| | | 0.006 | | | | | 0 | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37780 | 226 | 0.006 | 1.58 | 0 | 4748 | 160.31 | -0.004 | 1.015 | 22.5 | -78.4 | -5.1 | 247 |
| | | 0.006 | | | | | -0.004 | 1.005 | | | | |
| | | 0.004 | | | | | -0.002 | 1.005 | | | | |
| | | 0.004 | | | | | -0.006 | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37781 | 227 | 0.002 | 1.41 | 0 | 4716 | 160.31 | -0.006 | 0.978 | 22.5 | -79.8 | -5.1 | 247.5 |
| | | 0.004 | | | | | -0.01 | 0.978 | | | | |
| | | 0.004 | | | | | -0.018 | 0.996 | | | | |
| | | 0.004 | | | | | -0.008 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37782 | 228 | 0.006 | 1.41 | -0.35 | 4684 | 160.31 | -0.004 | 1.005 | 23 | -80.86 | -5.19 | 248 |
| | | 0.004 | | | | | -0.004 | 1.005 | | | | |
| | | 0.004 | | | | | -0.006 | 1.005 | | | | |
| | | 0.006 | | | | | -0.002 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37783 | 228.5 | 0.004 | 1.58 | -0.7 | 4652 | 160.31 | 0 | 1.015 | 23.5 | -81.21 | -5.36 | 248.5 |
| | | 0.004 | | | | | -0.004 | 1.015 | | | | |
| | | 0.004 | | | | | -0.004 | 1.005 | | | | |
| | | 0.002 | | | | | -0.004 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37784 | 228.5 | 0.002 | 1.41 | -0.35 | 4620 | 160.66 | -0.002 | 1.005 | 24 | -81.21 | -5.45 | 248.5 |
| | | 0.004 | | | | | 0 | 1.005 | | | | |
| | | 0.002 | | | | | -0.002 | 1.015 | | | | |
| | | 0.004 | | | | | 0.002 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37785 | 228.5 | 0.004 | 1.41 | 0 | 4588 | 160.66 | 0.002 | 0.996 | 24 | -80.51 | -5.45 | 249 |
| | | 0.002 | | | | | -0.002 | 0.996 | | | | |
| | | 0.002 | | | | | -0.002 | 1.005 | | | | |
| | | 0.002 | | | | | 0 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37786 | 228.5 | 0.002 | 1.41 | 0.35 | 4560 | 160.66 | -0.002 | 0.996 | 24 | -79.8 | -5.45 | 249.5 |
| | | 0.002 | | | | | 0 | 0.996 | | | | |
| | | 0.002 | | | | | 0.004 | 1.005 | | | | |
| | | 0.002 | | | | | 0 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37787 | 229 | 0.002 | 1.41 | 0.35 | 4528 | 160.66 | 0.004 | 0.996 | 24 | -80.16 | -5.45 | 249.5 |
| | | 0.002 | | | | | 0.002 | 0.996 | | | | |
| | | 0.002 | | | | | 0 | 0.996 | | | | |
| | | 0.002 | | | | | 0 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37788 | 230 | 0.002 | 1.41 | 0.35 | 4496 | 160.66 | 0 | 1.005 | 24 | -80.51 | -5.45 | 250 |
| | | 0 | | | | | 0.002 | 0.996 | | | | |
| | | 0.002 | | | | | 0.006 | 0.996 | | | | |
| | | 0.002 | | | | | 0.006 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37789 | 230.5 | 0 | 1.41 | 0.35 | 4464 | 160.66 | 0.002 | 1.005 | 23.5 | -81.21 | -5.36 | 250 |
| | | 0 | | | | | 0 | 0.996 | | | | |
| | | 0 | | | | | 0.002 | 0.996 | | | | |
| | | 0 | | | | | 0.008 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37790 | 231.5 | 0 | 1.41 | 0.35 | 4432 | 160.66 | 0.006 | 1.005 | 22.5 | -82.27 | -5.19 | 250.5 |
| | | 0 | | | | | 0.004 | 1.005 | | | | |
| | | 0 | | | | | 0.002 | 1.005 | | | | |
| | | 0 | | | | | 0.002 | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37791 | 232 | 0 | 1.41 | 0.35 | 4404 | 160.31 | 0.004 | 1.005 | 22 | -82.62 | -5.01 | 250.5 |
| | | 0 | | | | | 0.004 | 1.005 | | | | |
| | | -0.002 | | | | | 0.002 | 1.005 | | | | |
| | | 0 | | | | | 0.004 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37792 | 232.5 | -0.002 | 1.41 | 0.7 | 4372 | 160.31 | 0.004 | 0.996 | 21 | -82.27 | -4.83 | 251 |
| | | 0 | | | | | 0.004 | 1.005 | | | | |
| | | -0.002 | | | | | 0.002 | 1.005 | | | | |
| | | -0.002 | | | | | 0.004 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37793 | 233.5 | -0.002 | 1.41 | 0.35 | 4344 | 160.31 | 0.008 | 0.996 | 20.5 | -82.62 | -4.66 | 251 |
| | | 0 | | | | | 0.006 | 0.996 | | | | |
| | | -0.002 | | | | | 0.008 | 1.005 | | | | |
| | | -0.002 | | | | | 0 | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37794 | 233.5 | -0.002 | 1.41 | -0.7 | 4312 | 159.96 | 0 | 1.005 | 19.5 | -81.91 | -4.48 | 251.5 |
| | | -0.002 | | | | | 0.004 | 1.005 | | | | |
| | | -0.002 | | | | | 0.004 | 1.005 | | | | |
| | | -0.002 | | | | | 0.006 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37795 | 233.5 | -0.002 | 1.41 | -2.81 | 4284 | 159.61 | 0.004 | 0.996 | 19 | -79.45 | -4.31 | 252 |
| | | -0.002 | | | | | 0.004 | 1.005 | | | | |
| | | -0.002 | | | | | 0.004 | 1.005 | | | | |
| | | -0.002 | | | | | 0.006 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37796 | 233.5 | -0.002 | 1.41 | -5.27 | 4252 | 159.26 | 0.006 | 0.996 | 18.5 | -78.75 | -4.13 | 252 |
| | | -0.002 | | | | | 0.006 | 0.996 | | | | |
| | | -0.002 | | | | | 0.01 | 0.996 | | | | |
| | | -0.002 | | | | | 0.01 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37797 | 234 | -0.002 | 1.41 | -7.73 | 4220 | 158.55 | 0.01 | 1.015 | 18 | -78.75 | -4.04 | 252.5 |
| | | -0.002 | | | | | 0.012 | 1.015 | | | | |
| | | -0.002 | | | | | 0.012 | 1.015 | | | | |
| | | -0.002 | | | | | 0.016 | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37798 | 234 | -0.002 | 1.41 | -10.2 | 4192 | 157.85 | 0.018 | 1.015 | 17.5 | -76.99 | -3.87 | 253 |
| | | -0.002 | | | | | 0.018 | 1.005 | | | | |
| | | -0.002 | | | | | 0.016 | 1.005 | | | | |
| | | -0.002 | | | | | 0.014 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37799 | 234 | -0.002 | 1.41 | -12.3 | 4164 | 156.8 | 0.012 | 1.005 | 16.5 | -72.77 | -3.43 | 253.5 |
| | | -0.002 | | | | | 0.012 | 1.005 | | | | |
| | | -0.002 | | | | | 0.012 | 1.015 | | | | |
| | | 0 | | | | | 0.012 | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.033 | | | | |
| 37800 | 234.5 | 0.002 | 1.58 | -15.12 | 4132 | 155.39 | 0.008 | 1.033 | 15.5 | -72.07 | -3.25 | 254 |
| | | 0.002 | | | | | 0.01 | 1.033 | | | | |
| | | 0.004 | | | | | 0.012 | 1.042 | | | | |
| | | 0.002 | | | | | 0.014 | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37801 | 235 | 0.002 | 1.41 | -16.87 | 4104 | 153.98 | 0.014 | 1.051 | 15.5 | -72.42 | -3.08 | 255 |
| | | 0.002 | | | | | 0.014 | 1.051 | | | | |
| | | 0.002 | | | | | 0.016 | 1.051 | | | | |
| | | 0.002 | | | | | 0.012 | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37802 | 235 | 0.002 | 1.41 | -17.58 | 4076 | 152.58 | 0.008 | 1.051 | 15 | -69.61 | -2.9 | 255.5 |
| | | 0.002 | | | | | 0.008 | 1.051 | | | | |
| | | 0 | | | | | 0.01 | 1.051 | | | | |
| | | 0.002 | | | | | 0.01 | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37803 | 235.5 | 0.002 | 1.23 | -17.93 | 4048 | 150.82 | 0.006 | 1.042 | 14.5 | -67.15 | -2.64 | 256 |
| | | 0 | | | | | 0.008 | 1.042 | | | | |
| | | 0.002 | | | | | 0.008 | 1.042 | | | | |
| | | 0 | | | | | 0 | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| 37804 | 236.5 | -0.002 | 1.23 | -18.28 | 4020 | 149.41 | -0.006 | 1.051 | 14 | -68.2 | -2.55 | 256.5 |
| | | 0 | | | | | -0.002 | 1.051 | | | | |
| | | 0 | | | | | 0.006 | 1.042 | | | | |
| | | -0.002 | | | | | 0.008 | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37805 | 237 | -0.002 | 1.41 | -18.63 | 3988 | 148.01 | 0 | 1.042 | 14.5 | -70.66 | -2.64 | 257.5 |
| | | -0.002 | | | | | 0.006 | 1.042 | | | | |
| | | -0.002 | | | | | 0.004 | 1.042 | | | | |
| | | 0 | | | | | 0.006 | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37806 | 236 | 0 | 1.41 | -18.63 | 3960 | 146.6 | 0.006 | 1.051 | 15 | -66.8 | -2.55 | 258 |
| | | -0.002 | | | | | 0.006 | 1.051 | | | | |
| | | 0 | | | | | 0.002 | 1.042 | | | | |
| | | -0.002 | | | | | -0.008 | 1.033 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37807 | 236.5 | -0.002 | 1.41 | -19.69 | 3932 | 145.19 | 0.006 | 1.051 | 16 | -68.2 | -2.55 | 258.5 |
| | | -0.002 | | | | | 0.006 | 1.042 | | | | |
| | | 0.002 | | | | | 0.004 | 1.042 | | | | |
| | | 0 | | | | | 0.004 | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| 37808 | 236.5 | 0.002 | 1.58 | -22.5 | 3900 | 143.79 | 0.014 | 1.06 | 16.5 | -67.5 | -2.64 | 259 |
| | | 0.002 | | | | | 0.018 | 1.06 | | | | |
| | | 0.004 | | | | | 0.016 | 1.07 | | | | |
| | | 0.006 | | | | | 0.02 | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| 37809 | 236 | 0.006 | 1.76 | -26.02 | 3868 | 141.68 | 0.028 | 1.07 | 17 | -65.04 | -2.46 | 260 |
| | | 0.004 | | | | | 0.022 | 1.079 | | | | |
| | | 0.006 | | | | | 0.026 | 1.079 | | | | |
| | | 0.01 | | | | | 0.026 | 1.088 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.115 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37810 | 235.5 | 0.014 | 1.58 | -28.12 | 3840 | 139.57 | 0.031 | 1.143 | 17.5 | -60.82 | -2.2 | 261 |
| | | 0.014 | | | | | 0.018 | 1.152 | | | | |
| | | 0.012 | | | | | 0.016 | 1.143 | | | | |
| | | 0.006 | | | | | 0.02 | 1.143 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.079 | | | | |
| 37811 | 236 | 0.01 | 1.41 | -28.48 | 3808 | 137.11 | 0.016 | 1.079 | 17 | -58.36 | -1.85 | 261.5 |
| | | 0.01 | | | | | 0.014 | 1.115 | | | | |
| | | 0.012 | | | | | 0.014 | 1.125 | | | | |
| | | 0.01 | | | | | 0.014 | 1.125 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.134 | | | | |
| 37812 | 235.5 | 0.012 | 1.58 | -28.83 | 3780 | 134.3 | 0.014 | 1.134 | 17.5 | -54.14 | -1.49 | 262.5 |
| | | 0.01 | | | | | 0.012 | 1.143 | | | | |
| | | 0.014 | | | | | 0.01 | 1.152 | | | | |
| | | 0.014 | | | | | 0.01 | 1.134 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.161 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.143 | | | | |
| 37813 | 235.5 | 0.014 | 1.58 | -29.18 | 3752 | 131.83 | 0.01 | 1.134 | 18.5 | -52.03 | -1.23 | 263.5 |
| | | 0.018 | | | | | 0.008 | 1.143 | | | | |
| | | 0.02 | | | | | 0.006 | 1.152 | | | | |
| | | 0.024 | | | | | 0.006 | 1.18 | | | | |
| | | | | | | | | 1.189 | | | | |
| | | | | | | | | 1.198 | | | | |
| | | | | | | | | 1.207 | | | | |
| | | | | | | | | 1.225 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37814 | 235 | 0.024 | 2.11 | -29.53 | 3724 | 129.02 | 0.002 | 1.235 | 19 | -48.52 | -0.88 | 264 |
| | | 0.028 | | | | | 0.008 | 1.225 | | | | |
| | | 0.026 | | | | | 0.014 | 1.225 | | | | |
| | | 0.024 | | | | | 0.014 | 1.244 | | | | |
| | | | | | | | | 1.271 | | | | |
| | | | | | | | | 1.253 | | | | |
| | | | | | | | | 1.225 | | | | |
| | | | | | | | | 1.216 | | | | |
| 37815 | 235 | 0.028 | 2.81 | -29.53 | 3700 | 126.21 | 0.02 | 1.235 | 19.5 | -48.16 | -0.62 | 264.5 |
| | | 0.028 | | | | | 0.006 | 1.244 | | | | |
| | | 0.031 | | | | | 0.004 | 1.253 | | | | |
| | | 0.026 | | | | | 0.004 | 1.262 | | | | |
| | | | | | | | | 1.262 | | | | |
| | | | | | | | | 1.271 | | | | |
| | | | | | | | | 1.271 | | | | |
| | | | | | | | | 1.262 | | | | |
| 37816 | 235 | 0.028 | 3.34 | -29.18 | 3680 | 123.75 | 0.01 | 1.253 | 20 | -48.16 | -0.44 | 265 |
| | | 0.028 | | | | | 0.02 | 1.253 | | | | |
| | | 0.031 | | | | | 0.016 | 1.262 | | | | |
| | | 0.028 | | | | | 0.016 | 1.262 | | | | |
| | | | | | | | | 1.271 | | | | |
| | | | | | | | | 1.262 | | | | |
| | | | | | | | | 1.28 | | | | |
| | | | | | | | | 1.262 | | | | |
| 37817 | 235 | 0.031 | 3.52 | -28.83 | 3660 | 120.94 | 0.018 | 1.262 | 21.5 | -48.52 | -0.26 | 265.5 |
| | | 0.026 | | | | | 0.01 | 1.253 | | | | |
| | | 0.024 | | | | | 0.008 | 1.262 | | | | |
| | | 0.024 | | | | | 0.002 | 1.244 | | | | |
| | | | | | | | | 1.225 | | | | |
| | | | | | | | | 1.235 | | | | |
| | | | | | | | | 1.235 | | | | |
| | | | | | | | | 1.225 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37818 | 235 | 0.02 | 3.69 | -28.83 | 3648 | 118.48 | 0 | 1.235 | 21 | -49.92 | -0.26 | 265.5 |
| | | 0.018 | | | | | 0 | 1.235 | | | | |
| | | 0.02 | | | | | 0.01 | 1.207 | | | | |
| | | 0.022 | | | | | 0.018 | 1.198 | | | | |
| | | | | | | | | 1.18 | | | | |
| | | | | | | | | 1.189 | | | | |
| | | | | | | | | 1.198 | | | | |
| | | | | | | | | 1.198 | | | | |
| 37819 | 235 | 0.02 | 3.87 | -29.18 | 3632 | 116.01 | 0.01 | 1.216 | 21 | -52.73 | -0.26 | 265.5 |
| | | 0.022 | | | | | 0.014 | 1.235 | | | | |
| | | 0.018 | | | | | 0.002 | 1.225 | | | | |
| | | 0.018 | | | | | 0.002 | 1.198 | | | | |
| | | | | | | | | 1.18 | | | | |
| | | | | | | | | 1.18 | | | | |
| | | | | | | | | 1.18 | | | | |
| | | | | | | | | 1.18 | | | | |
| 37820 | 235 | 0.016 | 3.87 | -29.18 | 3624 | 113.91 | -0.002 | 1.17 | 21 | -57.3 | -0.44 | 265.5 |
| | | 0.016 | | | | | 0 | 1.17 | | | | |
| | | 0.012 | | | | | 0.01 | 1.152 | | | | |
| | | 0.012 | | | | | 0.012 | 1.143 | | | | |
| | | | | | | | | 1.161 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.134 | | | | |
| 37821 | 233.5 | 0.01 | 4.04 | -28.83 | 3608 | 111.8 | 0.016 | 1.143 | 23.5 | -60.12 | -0.53 | 260 |
| | | 0.012 | | | | | 0.024 | 1.115 | | | | |
| | | 0.012 | | | | | 0.022 | 1.115 | | | | |
| | | 0.014 | | | | | 0.008 | 1.106 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.115 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37822 | 233 | 0.014 | 4.22 | -28.48 | 3600 | 109.69 | 0.006 | 1.125 | 23 | -60.47 | -0.35 | 265 |
| | | 0.012 | | | | | 0.008 | 1.125 | | | | |
| | | 0.014 | | | | | 0.018 | 1.125 | | | | |
| | | 0.018 | | | | | 0.014 | 1.115 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.125 | | | | |
| | | | | | | | | 1.143 | | | | |
| 37823 | 232.5 | 0.018 | 4.39 | -28.48 | 3588 | 107.23 | 0.018 | 1.161 | 23.5 | -60.12 | -0.09 | 264.5 |
| | | 0.014 | | | | | 0.016 | 1.161 | | | | |
| | | 0.02 | | | | | 0.018 | 1.143 | | | | |
| | | 0.014 | | | | | 0.008 | 1.115 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.143 | | | | |
| 37824 | 230 | 0.02 | 4.57 | -28.48 | 3576 | 104.76 | 0.022 | 1.115 | 26.5 | -59.77 | 0.09 | 264 |
| | | 0.02 | | | | | 0.026 | 1.115 | | | | |
| | | 0.02 | | | | | 0.016 | 1.115 | | | | |
| | | 0.02 | | | | | 0.012 | 1.134 | | | | |
| | | | | | | | | 1.125 | | | | |
| | | | | | | | | 1.125 | | | | |
| | | | | | | | | 1.125 | | | | |
| | | | | | | | | 1.134 | | | | |
| 37825 | 230.5 | 0.02 | 4.39 | -28.12 | 3564 | 102.3 | 0.014 | 1.143 | 25 | -58.01 | 0.53 | 264 |
| | | 0.02 | | | | | 0.022 | 1.143 | | | | |
| | | 0.02 | | | | | 0.022 | 1.134 | | | | |
| | | 0.02 | | | | | 0.031 | 1.143 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.134 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37826 | 229 | 0.022 | 4.22 | -28.12 | 3556 | 99.49 | 0.02 | 1.143 | 26 | -55.9 | 1.05 | 263.5 |
| | | 0.022 | | | | | 0.012 | 1.161 | | | | |
| | | 0.022 | | | | | 0.016 | 1.152 | | | | |
| | | 0.022 | | | | | 0.004 | 1.143 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.17 | | | | |
| 37827 | 230.5 | 0.022 | 4.22 | -28.48 | 3548 | 96.68 | 0.016 | 1.161 | 26 | -53.44 | 1.41 | 263 |
| | | 0.031 | | | | | 0.02 | 1.143 | | | | |
| | | 0.037 | | | | | 0.018 | 1.161 | | | | |
| | | 0.031 | | | | | 0.006 | 1.189 | | | | |
| | | | | | | | | 1.207 | | | | |
| | | | | | | | | 1.225 | | | | |
| | | | | | | | | 1.235 | | | | |
| | | | | | | | | 1.235 | | | | |
| 37828 | 229 | 0.024 | 4.04 | -28.83 | 3540 | 94.22 | -0.002 | 1.207 | 24 | -55.19 | 1.58 | 263 |
| | | 0.024 | | | | | -0.002 | 1.189 | | | | |
| | | 0.024 | | | | | 0.008 | 1.17 | | | | |
| | | 0.022 | | | | | -0.006 | 1.161 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.152 | | | | |
| 37829 | 232 | 0.022 | 3.87 | -29.53 | 3532 | 92.11 | -0.004 | 1.161 | 23.5 | -56.95 | 1.49 | 262.5 |
| | | 0.016 | | | | | 0.02 | 1.152 | | | | |
| | | 0.014 | | | | | 0.006 | 1.143 | | | | |
| | | 0.014 | | | | | 0.006 | 1.134 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.106 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37830 | 229 | 0.014 | 4.04 | -28.83 | 3524 | 90 | 0.018 | 1.106 | 25.5 | -60.47 | 1.41 | 262 |
| | | 0.02 | | | | | 0.016 | 1.097 | | | | |
| | | 0.022 | | | | | -0.002 | 1.088 | | | | |
| | | 0.02 | | | | | 0.004 | 1.088 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.161 | | | | |
| | | | | | | | | 1.161 | | | | |
| 37831 | 229 | 0.018 | 4.04 | -28.48 | 3516 | 87.54 | 0 | 1.143 | 25.5 | -62.23 | 1.49 | 261.5 |
| | | 0.018 | | | | | -0.006 | 1.125 | | | | |
| | | 0.014 | | | | | 0.002 | 1.115 | | | | |
| | | 0.018 | | | | | 0.008 | 1.134 | | | | |
| | | | | | | | | 1.125 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.115 | | | | |
| 37832 | 227.5 | 0.012 | 4.04 | -28.83 | 3508 | 85.43 | 0.002 | 1.106 | 26 | -65.04 | 1.49 | 261 |
| | | 0.016 | | | | | 0.014 | 1.079 | | | | |
| | | 0.016 | | | | | 0.012 | 1.07 | | | | |
| | | 0.016 | | | | | 0.028 | 1.088 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.079 | | | | |
| 37833 | 227 | 0.018 | 4.04 | -28.48 | 3496 | 82.97 | 0.024 | 1.088 | 26.5 | -65.39 | 1.67 | 260.5 |
| | | 0.018 | | | | | 0.016 | 1.097 | | | | |
| | | 0.018 | | | | | 0.016 | 1.115 | | | | |
| | | 0.02 | | | | | 0.016 | 1.125 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.125 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37834 | 229 | 0.018 | 4.04 | -28.12 | 3488 | 80.51 | 0.004 | 1.125 | 25 | -62.93 | 2.02 | 260 |
| | | 0.016 | | | | | 0.004 | 1.134 | | | | |
| | | 0.014 | | | | | 0.016 | 1.134 | | | | |
| | | 0.014 | | | | | 0.012 | 1.115 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.079 | | | | |
| 37835 | 227.5 | 0.02 | 4.22 | -29.18 | 3480 | 78.05 | 0.004 | 1.079 | 25.5 | -63.98 | 2.29 | 259.5 |
| | | 0.028 | | | | | 0.008 | 1.097 | | | | |
| | | 0.026 | | | | | 0.01 | 1.115 | | | | |
| | | 0.026 | | | | | 0.012 | 1.143 | | | | |
| | | | | | | | | 1.17 | | | | |
| | | | | | | | | 1.17 | | | | |
| | | | | | | | | 1.17 | | | | |
| | | | | | | | | 1.189 | | | | |
| 37836 | 228 | 0.026 | 4.22 | -28.83 | 3468 | 75.94 | 0.008 | 1.189 | 25 | -66.44 | 2.2 | 259 |
| | | 0.022 | | | | | 0.01 | 1.18 | | | | |
| | | 0.016 | | | | | 0.006 | 1.189 | | | | |
| | | 0.01 | | | | | 0.008 | 1.17 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| 37837 | 226.5 | 0.014 | 4.04 | -28.48 | 3456 | 73.83 | 0.016 | 1.051 | 26.5 | -69.61 | 2.2 | 258.5 |
| | | 0.016 | | | | | 0.031 | 1.06 | | | | |
| | | 0.018 | | | | | 0.026 | 1.07 | | | | |
| | | 0.02 | | | | | 0.014 | 1.07 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.097 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37838 | 223.5 | 0.018 | 4.22 | -28.12 | 3444 | 71.37 | 0.018 | 1.097 | 27.5 | -69.61 | 2.72 | 257.5 |
| | | 0.016 | | | | | 0.012 | 1.079 | | | | |
| | | 0.022 | | | | | 0.016 | 1.07 | | | | |
| | | 0.026 | | | | | 0.024 | 1.097 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.161 | | | | |
| | | | | | | | | 1.18 | | | | |
| 37839 | 225.5 | 0.035 | 4.22 | -27.07 | 3436 | 68.55 | 0.018 | 1.189 | 26 | -65.74 | 3.08 | 257 |
| | | 0.026 | | | | | 0.002 | 1.216 | | | | |
| | | 0.018 | | | | | 0.008 | 1.235 | | | | |
| | | 0.033 | | | | | -0.004 | 1.207 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.17 | | | | |
| 37840 | 230 | 0.031 | 3.87 | -26.37 | 3428 | 66.44 | -0.014 | 1.225 | 22 | -64.34 | 2.99 | 256.5 |
| | | 0.024 | | | | | -0.006 | 1.253 | | | | |
| | | 0.022 | | | | | 0.01 | 1.216 | | | | |
| | | 0.01 | | | | | 0.022 | 1.198 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37841 | 225.5 | 0.004 | 3.52 | -23.91 | 3420 | 64.69 | 0.008 | 0.987 | 25.5 | -71.37 | 2.72 | 256 |
| | | 0.006 | | | | | 0.002 | 0.987 | | | | |
| | | 0 | | | | | -0.029 | 0.987 | | | | |
| | | 0.006 | | | | | -0.008 | 0.969 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37842 | 224 | 0.01 | 3.69 | -19.69 | 3408 | 63.28 | 0.014 | 1.015 | 27.5 | -73.83 | 2.81 | 255.5 |
| | | 0.004 | | | | | 0.01 | 1.005 | | | | |
| | | 0.004 | | | | | -0.006 | 0.987 | | | | |
| | | 0.004 | | | | | -0.016 | 0.969 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37843 | 223 | 0 | 3.87 | -15.82 | 3392 | 61.87 | -0.002 | 0.96 | 27 | -75.94 | 2.81 | 255 |
| | | 0.01 | | | | | -0.002 | 0.969 | | | | |
| | | 0.014 | | | | | -0.004 | 0.987 | | | | |
| | | 0.016 | | | | | -0.012 | 1.005 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37844 | 223.5 | 0.016 | 4.04 | -14.06 | 3380 | 61.17 | -0.014 | 1.042 | 25 | -79.1 | 2.46 | 254 |
| | | 0.008 | | | | | -0.006 | 1.033 | | | | |
| | | 0.008 | | | | | 0.006 | 1.033 | | | | |
| | | 0.01 | | | | | 0.004 | 1.015 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37845 | 224 | 0.012 | 4.04 | -10.9 | 3364 | 60.47 | -0.002 | 1.015 | 23.5 | -80.86 | 2.29 | 253.5 |
| | | 0.012 | | | | | -0.012 | 1.042 | | | | |
| | | 0.016 | | | | | -0.004 | 1.051 | | | | |
| | | 0.014 | | | | | -0.002 | 1.051 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.033 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37846 | 222 | 0.012 | 4.04 | -8.44 | 3352 | 59.77 | 0.004 | 1.024 | 24 | -85.08 | 2.02 | 253.5 |
| | | 0.012 | | | | | -0.004 | 1.015 | | | | |
| | | 0.01 | | | | | -0.012 | 1.015 | | | | |
| | | 0.01 | | | | | -0.014 | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37847 | 223 | 0.006 | 3.87 | -7.03 | 3336 | 59.41 | -0.01 | 1.015 | 23 | -86.84 | 1.76 | 253 |
| | | 0.01 | | | | | -0.006 | 1.005 | | | | |
| | | 0.012 | | | | | -0.004 | 0.996 | | | | |
| | | 0.012 | | | | | -0.002 | 1.005 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37848 | 223.5 | 0.006 | 3.87 | -5.27 | 3324 | 59.41 | 0.01 | 1.005 | 23 | -90 | 1.41 | 252.5 |
| | | 0.006 | | | | | 0.016 | 0.987 | | | | |
| | | 0.004 | | | | | 0.008 | 0.969 | | | | |
| | | 0.006 | | | | | -0.006 | 0.96 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| 37849 | 220.5 | 0.008 | 4.04 | -4.22 | 3312 | 59.06 | -0.014 | 0.978 | 25 | -92.46 | 1.32 | 252 |
| | | 0.01 | | | | | -0.008 | 0.987 | | | | |
| | | 0.012 | | | | | -0.01 | 0.978 | | | | |
| | | 0.012 | | | | | 0.006 | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37850 | 220 | 0.012 | 4.04 | -2.46 | 3296 | 59.06 | 0.014 | 0.987 | 24.5 | -94.57 | 1.14 | 251.5 |
| | | 0.008 | | | | | 0 | 0.996 | | | | |
| | | 0.01 | | | | | 0.012 | 1.005 | | | | |
| | | 0.014 | | | | | 0.002 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37851 | 221 | 0.014 | 4.04 | -0.7 | 3284 | 59.06 | -0.006 | 1.024 | 23.5 | -92.11 | 1.32 | 251 |
| | | 0.01 | | | | | 0.004 | 1.033 | | | | |
| | | 0.01 | | | | | 0 | 1.024 | | | | |
| | | 0.012 | | | | | -0.002 | 1.005 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37852 | 222.5 | 0.014 | 4.39 | -1.05 | 3272 | 58.71 | -0.004 | 1.024 | 22 | -91.05 | 1.32 | 251 |
| | | 0.012 | | | | | -0.01 | 1.042 | | | | |
| | | 0.014 | | | | | -0.008 | 1.042 | | | | |
| | | 0.016 | | | | | -0.008 | 1.042 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.06 | | | | |
| 37853 | 221 | 0.022 | 4.75 | -1.76 | 3256 | 59.06 | -0.004 | 1.079 | 22.5 | -95.27 | 0.97 | 250.5 |
| | | 0.028 | | | | | -0.008 | 1.097 | | | | |
| | | 0.028 | | | | | -0.008 | 1.097 | | | | |
| | | 0.022 | | | | | -0.01 | 1.097 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.07 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37854 | 221.5 | 0.024 | 4.92 | -1.76 | 3248 | 59.41 | 0 | 1.079 | 22 | -100.19 | 0.53 | 249.5 |
| | | 0.022 | | | | | 0.006 | 1.079 | | | | |
| | | 0.026 | | | | | 0.006 | 1.079 | | | | |
| | | 0.031 | | | | | 0.014 | 1.079 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.106 | | | | |
| 37855 | 219 | 0.02 | 5.1 | -0.7 | 3244 | 59.41 | 0.014 | 1.079 | 23 | -102.66 | 0.26 | 249 |
| | | 0.014 | | | | | 0.016 | 1.06 | | | | |
| | | 0.014 | | | | | 0.018 | 1.033 | | | | |
| | | 0.01 | | | | | 0.022 | 0.978 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37856 | 219 | 0.006 | 5.27 | 0.35 | 3236 | 59.41 | 0 | 0.96 | 21.5 | -98.79 | 0.7 | 248.5 |
| | | 0.012 | | | | | 0 | 0.914 | | | | |
| | | 0.012 | | | | | -0.004 | 0.932 | | | | |
| | | 0.014 | | | | | -0.006 | 0.969 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37857 | 220.5 | 0.02 | 5.98 | 0.35 | 3232 | 59.06 | 0.014 | 1.024 | 21 | -96.33 | 0.88 | 247.5 |
| | | 0.022 | | | | | 0.024 | 1.033 | | | | |
| | | 0.018 | | | | | 0.004 | 1.07 | | | | |
| | | 0.014 | | | | | 0.01 | 1.079 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.024 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|-------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37858 | 220.5 | 0.016 | 6.15 | 0.35 | 3228 | 58.71 | -0.002 | 1.015 | 20 | -92.46 | 1.14 | 246.5 |
| | | 0.02 | | | | | 0.008 | 1.033 | | | | |
| | | 0.022 | | | | | 0.012 | 1.042 | | | | |
| | | 0.022 | | | | | 0.006 | 1.042 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.079 | | | | |
| 37859 | 219.5 | 0.022 | 6.15 | 0 | 3228 | 58.71 | 0 | 1.07 | 19.5 | -91.05 | 1.32 | 245.5 |
| | | 0.02 | | | | | -0.008 | 1.07 | | | | |
| | | 0.018 | | | | | 0.002 | 1.06 | | | | |
| | | 0.02 | | | | | -0.004 | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.088 | | | | |
| 37860 | 223.5 | 0.016 | 6.15 | 0 | 3228 | 58.71 | 0 | 1.106 | 15 | -87.54 | 1.23 | 244.5 |
| | | 0.014 | | | | | 0.002 | 1.097 | | | | |
| | | 0.018 | | | | | 0.006 | 1.06 | | | | |
| | | 0.014 | | | | | 0.006 | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.07 | | | | |
| 37861 | 224.5 | 0.008 | 6.15 | 0.7 | 3232 | 58.71 | -0.02 | 1.088 | 15.5 | -84.37 | 1.14 | 243.5 |
| | | 0.014 | | | | | -0.02 | 1.088 | | | | |
| | | 0.022 | | | | | -0.02 | 1.097 | | | | |
| | | 0.014 | | | | | -0.012 | 1.134 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.161 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.097 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37862 | 218.5 | 0 | 5.98 | 0.35 | 3236 | 59.41 | -0.006 | 1.033 | 18 | -98.44 | 0.53 | 242 |
| | | -0.004 | | | | | -0.018 | 0.987 | | | | |
| | | -0.006 | | | | | -0.002 | 0.951 | | | | |
| | | -0.008 | | | | | -0.004 | 0.941 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |
| 37863 | 215.5 | -0.006 | 6.15 | -0.7 | 3240 | 60.12 | 0.026 | 0.951 | 19.5 | -107.23 | -0.18 | 241 |
| | | -0.004 | | | | | 0.012 | 0.905 | | | | |
| | | 0 | | | | | 0.012 | 0.923 | | | | |
| | | 0.006 | | | | | 0 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37864 | 214 | 0.006 | 5.8 | 0.35 | 3244 | 60.47 | 0.014 | 1.097 | 17 | -108.63 | -0.26 | 239.5 |
| | | 0 | | | | | 0.014 | 1.115 | | | | |
| | | -0.006 | | | | | 0.012 | 1.042 | | | | |
| | | -0.008 | | | | | 0.018 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.941 | | | | |
| 37865 | 213.5 | -0.01 | 5.45 | 1.05 | 3244 | 60.12 | 0 | 0.923 | 17.5 | -106.17 | -0.09 | 238.5 |
| | | -0.01 | | | | | 0.016 | 0.941 | | | | |
| | | -0.008 | | | | | 0.012 | 0.969 | | | | |
| | | -0.008 | | | | | 0.014 | 0.978 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.951 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|-------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37866 | 213.5 | -0.014 | 5.45 | 0.7 | 3248 | 60.12 | 0.012 | 0.941 | 18.5 | -102.3 | 0.18 | 237 |
| | | -0.018 | | | | | 0.024 | 0.941 | | | | |
| | | -0.012 | | | | | 0.012 | 0.951 | | | | |
| | | -0.012 | | | | | 0.01 | 0.978 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| 37867 | 211 | -0.008 | 5.45 | -0.35 | 3252 | 59.41 | -0.002 | 0.969 | 18.5 | -95.98 | 0.79 | 236 |
| | | -0.006 | | | | | 0.002 | 0.969 | | | | |
| | | -0.01 | | | | | 0.004 | 0.978 | | | | |
| | | -0.01 | | | | | -0.002 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.941 | | | | |
| 37868 | 210.5 | -0.01 | 5.27 | -0.35 | 3248 | 59.06 | -0.002 | 0.941 | 19.5 | -92.11 | 1.05 | 234.5 |
| | | -0.012 | | | | | 0 | 0.941 | | | | |
| | | -0.012 | | | | | -0.004 | 0.951 | | | | |
| | | -0.01 | | | | | -0.004 | 0.941 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.932 | | | | |
| 37869 | 209.5 | -0.008 | 5.27 | -0.7 | 3248 | 59.06 | -0.002 | 0.951 | 19.5 | -90.35 | 1.23 | 233.5 |
| | | -0.008 | | | | | -0.004 | 0.969 | | | | |
| | | -0.008 | | | | | -0.012 | 0.969 | | | | |
| | | -0.01 | | | | | -0.02 | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37870 | 206.5 | -0.01 | 5.27 | -1.05 | 3244 | 59.06 | -0.018 | 0.969 | 20.5 | -92.81 | 1.14 | 232.5 |
| | | -0.008 | | | | | 0 | 0.96 | | | | |
| | | -0.004 | | | | | 0.006 | 0.941 | | | | |
| | | -0.002 | | | | | 0.014 | 0.932 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37871 | 205.5 | 0 | 5.45 | -1.41 | 3240 | 59.06 | 0.01 | 0.987 | 20 | -94.92 | 0.97 | 231.5 |
| | | 0 | | | | | 0.01 | 1.005 | | | | |
| | | 0 | | | | | 0.004 | 1.005 | | | | |
| | | 0.002 | | | | | 0.002 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37872 | 205 | 0.004 | 5.45 | -0.7 | 3236 | 58.71 | 0 | 1.033 | 18.5 | -92.81 | 1.14 | 230.5 |
| | | 0.004 | | | | | 0 | 1.042 | | | | |
| | | 0.008 | | | | | 0.002 | 1.051 | | | | |
| | | 0.006 | | | | | -0.004 | 1.024 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.079 | | | | |
| 37873 | 204.5 | 0.004 | 5.62 | -1.05 | 3244 | 58.71 | -0.004 | 1.07 | 18 | -92.81 | 1.14 | 229 |
| | | 0 | | | | | -0.004 | 1.042 | | | | |
| | | -0.006 | | | | | -0.008 | 1.042 | | | | |
| | | -0.012 | | | | | -0.006 | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37874 | 206 | -0.016 | 5.8 | -0.35 | 3244 | 58.71 | -0.004 | 1.051 | 15.5 | -93.87 | 0.88 | 228 |
| | | -0.016 | | | | | 0.002 | 1.07 | | | | |
| | | -0.018 | | | | | 0.018 | 1.051 | | | | |
| | | -0.022 | | | | | -0.002 | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.088 | | | | |
| 37875 | 206 | -0.033 | 5.98 | -0.35 | 3240 | 59.06 | 0 | 1.07 | 16.5 | -95.27 | 0.7 | 226 |
| | | -0.035 | | | | | 0.012 | 1.042 | | | | |
| | | -0.022 | | | | | -0.006 | 1.015 | | | | |
| | | -0.027 | | | | | 0.002 | 1.015 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37876 | 201.5 | -0.029 | 6.33 | 0.35 | 3244 | 59.06 | -0.01 | 1.033 | 16 | -98.09 | 0.62 | 224 |
| | | -0.024 | | | | | -0.018 | 1.042 | | | | |
| | | -0.033 | | | | | -0.014 | 1.07 | | | | |
| | | -0.031 | | | | | -0.004 | 1.051 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37877 | 198 | -0.033 | 5.62 | 1.76 | 3244 | 59.41 | 0.024 | 0.996 | 18 | -100.9 | 0.35 | 222.5 |
| | | -0.035 | | | | | 0.024 | 0.96 | | | | |
| | | -0.039 | | | | | 0.01 | 0.941 | | | | |
| | | -0.041 | | | | | -0.01 | 0.932 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 0.914 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37878 | 196 | -0.043 | 5.1 | 4.22 | 3244 | 59.41 | -0.01 | 0.905 | 19 | -96.33 | 0.79 | 220.5 |
| | | -0.043 | | | | | 0.004 | 0.896 | | | | |
| | | -0.047 | | | | | 0 | 0.886 | | | | |
| | | -0.045 | | | | | -0.004 | 0.868 | | | | |
| | | | | | | | | 0.868 | | | | |
| | | | | | | | | 0.859 | | | | |
| | | | | | | | | 0.841 | | | | |
| | | | | | | | | 0.85 | | | | |
| 37879 | 192.5 | -0.041 | 4.75 | 5.62 | 3240 | 59.41 | -0.002 | 0.859 | 20.5 | -93.87 | 1.14 | 219.5 |
| | | -0.037 | | | | | 0 | 0.868 | | | | |
| | | -0.035 | | | | | -0.006 | 0.877 | | | | |
| | | -0.033 | | | | | -0.016 | 0.886 | | | | |
| | | | | | | | | 0.886 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37880 | 193 | -0.041 | 4.22 | 7.73 | 3232 | 59.77 | -0.031 | 0.96 | 19 | -89.65 | 1.41 | 218 |
| | | -0.047 | | | | | -0.047 | 0.932 | | | | |
| | | -0.051 | | | | | -0.033 | 0.914 | | | | |
| | | -0.051 | | | | | -0.031 | 0.896 | | | | |
| | | | | | | | | 0.886 | | | | |
| | | | | | | | | 0.859 | | | | |
| | | | | | | | | 0.813 | | | | |
| | | | | | | | | 0.786 | | | | |
| 37881 | 191 | -0.045 | 3.16 | 8.79 | 3220 | 60.82 | -0.02 | 0.795 | 19 | -96.68 | 0.7 | 217 |
| | | -0.039 | | | | | -0.002 | 0.804 | | | | |
| | | -0.033 | | | | | -0.004 | 0.822 | | | | |
| | | -0.029 | | | | | -0.008 | 0.831 | | | | |
| | | | | | | | | 0.859 | | | | |
| | | | | | | | | 0.896 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.914 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37882 | 189 | -0.022 | 4.04 | 10.55 | 3208 | 62.23 | -0.002 | 0.978 | 20 | -101.6 | 0.09 | 216 |
| | | -0.016 | | | | | -0.01 | 0.996 | | | | |
| | | -0.018 | | | | | -0.018 | 1.005 | | | | |
| | | -0.024 | | | | | -0.02 | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37883 | 190 | -0.027 | 3.69 | 11.25 | 3188 | 63.28 | -0.024 | 1.005 | 19 | -102.66 | -0.09 | 215 |
| | | -0.031 | | | | | -0.024 | 0.996 | | | | |
| | | -0.035 | | | | | -0.016 | 0.96 | | | | |
| | | -0.033 | | | | | -0.016 | 0.96 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.896 | | | | |
| | | | | | | | | 0.886 | | | | |
| | | | | | | | | 0.896 | | | | |
| 37884 | 188.5 | -0.024 | 2.81 | 12.3 | 3172 | 64.69 | -0.002 | 0.914 | 19.5 | -107.58 | -0.7 | 214.5 |
| | | -0.029 | | | | | -0.008 | 0.941 | | | | |
| | | -0.027 | | | | | -0.012 | 0.941 | | | | |
| | | -0.022 | | | | | 0.006 | 0.923 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37885 | 189.5 | -0.027 | 2.64 | 14.41 | 3148 | 66.09 | -0.004 | 1.005 | 17.5 | -109.34 | -0.88 | 213.5 |
| | | -0.029 | | | | | -0.004 | 1.024 | | | | |
| | | -0.031 | | | | | 0.002 | 1.015 | | | | |
| | | -0.027 | | | | | -0.002 | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37886 | 190 | -0.031 | 2.11 | 15.47 | 3128 | 67.15 | 0.002 | 0.969 | 16.5 | -107.93 | -0.79 | 213 |
| | | -0.031 | | | | | -0.018 | 0.96 | | | | |
| | | -0.031 | | | | | -0.012 | 0.941 | | | | |
| | | -0.037 | | | | | -0.006 | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.941 | | | | |
| 37887 | 189.5 | -0.043 | 1.76 | 16.17 | 3100 | 68.55 | -0.024 | 0.914 | 18 | -109.34 | -1.05 | 212.5 |
| | | -0.035 | | | | | -0.024 | 0.914 | | | | |
| | | -0.033 | | | | | -0.02 | 0.914 | | | | |
| | | -0.031 | | | | | -0.027 | 0.932 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.951 | | | | |
| 37888 | 189 | -0.024 | 1.41 | 17.23 | 3076 | 70.66 | -0.012 | 0.96 | 17.5 | -112.85 | -1.58 | 212 |
| | | -0.027 | | | | | -0.002 | 0.969 | | | | |
| | | -0.031 | | | | | -0.012 | 0.996 | | | | |
| | | -0.031 | | | | | -0.012 | 1.024 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37889 | 189 | -0.033 | 0.88 | 18.28 | 3044 | 72.42 | -0.004 | 1.033 | 18 | -113.55 | -1.76 | 211.5 |
| | | -0.037 | | | | | -0.004 | 1.015 | | | | |
| | | -0.039 | | | | | -0.012 | 0.996 | | | | |
| | | -0.043 | | | | | -0.01 | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|-------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37890 | 189 | -0.047 | 0.18 | 18.98 | 3016 | 74.18 | -0.012 | 0.996 | 17 | -113.91 | -1.85 | 211 |
| | | -0.053 | | | | | -0.006 | 0.987 | | | | |
| | | -0.051 | | | | | -0.01 | 0.987 | | | | |
| | | -0.051 | | | | | 0.004 | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37891 | 189.5 | -0.055 | -0.35 | 19.34 | 2960 | 75.94 | 0.004 | 1.024 | 16.5 | -114.61 | -2.02 | 210.5 |
| | | -0.061 | | | | | -0.01 | 1.024 | | | | |
| | | -0.063 | | | | | -0.016 | 1.024 | | | | |
| | | -0.065 | | | | | -0.01 | 1.015 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37892 | 187 | -0.063 | -0.35 | 20.04 | 2948 | 77.69 | -0.01 | 0.987 | 18.5 | -112.5 | -2.29 | 210 |
| | | -0.057 | | | | | -0.008 | 1.005 | | | | |
| | | -0.055 | | | | | 0.004 | 1.015 | | | | |
| | | -0.057 | | | | | -0.002 | 1.024 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| 37893 | 187.5 | -0.061 | -0.35 | 18.63 | 2916 | 79.8 | -0.012 | 1.024 | 18.5 | -114.61 | -2.55 | 209.5 |
| | | -0.061 | | | | | -0.012 | 1.015 | | | | |
| | | -0.055 | | | | | -0.004 | 1.015 | | | | |
| | | -0.055 | | | | | -0.002 | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.051 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37894 | 189.5 | -0.057 | -0.35 | 16.52 | 2880 | 81.91 | 0.008 | 1.07 | 16.5 | -120.59 | -2.9 | 209 |
| | | -0.065 | | | | | -0.002 | 1.06 | | | | |
| | | -0.071 | | | | | 0.002 | 1.033 | | | | |
| | | -0.073 | | | | | 0.004 | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37895 | 188.5 | -0.082 | -0.35 | 14.77 | 2844 | 83.67 | 0 | 1.015 | 17.5 | -122.69 | -3.25 | 208 |
| | | -0.082 | | | | | 0 | 1.005 | | | | |
| | | -0.088 | | | | | 0 | 1.033 | | | | |
| | | -0.084 | | | | | 0.002 | 1.033 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37896 | 188 | -0.082 | -1.05 | 14.06 | 2808 | 85.08 | 0.018 | 1.042 | 17 | -120.94 | -3.16 | 207.5 |
| | | -0.088 | | | | | 0.02 | 1.033 | | | | |
| | | -0.09 | | | | | 0.008 | 1.015 | | | | |
| | | -0.094 | | | | | 0.004 | 1.005 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37897 | 186.5 | -0.094 | -1.41 | 14.77 | 2772 | 85.78 | -0.002 | 0.987 | 15 | -112.85 | -2.64 | 206.5 |
| | | -0.096 | | | | | -0.006 | 0.96 | | | | |
| | | -0.088 | | | | | -0.016 | 0.951 | | | | |
| | | -0.09 | | | | | -0.012 | 0.987 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.07 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|--------|--------|----------|-------|--------|-------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs) | (degs) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37898 | 190.5 | -0.086 | -1.23 | 14.06 | 2736 | 86.84 | -0.01 | 1.06 | 13.5 | -120.23 | -2.46 | 206 |
| | | -0.084 | | | | | -0.004 | 1.097 | | | | |
| | | -0.082 | | | | | -0.006 | 1.125 | | | | |
| | | -0.09 | | | | | 0.01 | 1.134 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.079 | | | | |
| 37899 | 187.5 | -0.092 | -1.93 | 10.55 | 2700 | 88.24 | 0.031 | 1.06 | 16 | -113.91 | -2.46 | 205.5 |
| | | -0.094 | | | | | 0.016 | 1.051 | | | | |
| | | -0.09 | | | | | 0.02 | 1.033 | | | | |
| | | -0.1 | | | | | 0.016 | 0.987 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.905 | | | | |
| 37900 | 182.5 | -0.094 | -2.81 | 7.73 | 2668 | 88.59 | 0.008 | 0.886 | 16.5 | -100.55 | -2.2 | 205 |
| | | -0.092 | | | | | 0.014 | 0.886 | | | | |
| | | -0.096 | | | | | 0.014 | 0.923 | | | | |
| | | -0.1 | | | | | 0.004 | 0.96 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.923 | | | | |
| 37901 | 186 | -0.102 | -3.87 | 9.49 | 2632 | 88.94 | -0.01 | 0.914 | 14.5 | -98.44 | -1.58 | 204.5 |
| | | -0.108 | | | | | -0.008 | 0.923 | | | | |
| | | -0.108 | | | | | -0.006 | 0.923 | | | | |
| | | -0.106 | | | | | -0.004 | 0.896 | | | | |
| | | | | | | | | 0.877 | | | | |
| | | | | | | | | 0.877 | | | | |
| | | | | | | | | 0.877 | | | | |
| | | | | | | | | 0.886 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37902 | 186 | -0.108 | -4.75 | 10.2 | 2592 | 89.3 | -0.016 | 0.886 | 16 | -93.87 | -1.32 | 204.5 |
| | | -0.106 | | | | | -0.022 | 0.886 | | | | |
| | | -0.106 | | | | | -0.012 | 0.896 | | | | |
| | | -0.106 | | | | | -0.01 | 0.905 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.886 | | | | |
| | | | | | | | | 0.868 | | | | |
| | | | | | | | | 0.859 | | | | |
| 37903 | 184.5 | -0.112 | -5.27 | 10.55 | 2548 | 90 | -0.018 | 0.822 | 17.5 | -91.76 | -1.32 | 205 |
| | | -0.11 | | | | | -0.01 | 0.795 | | | | |
| | | -0.096 | | | | | -0.016 | 0.822 | | | | |
| | | -0.104 | | | | | -0.047 | 0.841 | | | | |
| | | | | | | | | 0.85 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.941 | | | | |
| 37904 | 185.5 | -0.108 | -4.92 | 8.44 | 2496 | 91.05 | -0.047 | 0.923 | 16.5 | -98.79 | -1.93 | 205 |
| | | -0.104 | | | | | -0.012 | 0.923 | | | | |
| | | -0.108 | | | | | -0.01 | 0.905 | | | | |
| | | -0.11 | | | | | -0.022 | 0.877 | | | | |
| | | | | | | | | 0.886 | | | | |
| | | | | | | | | 0.877 | | | | |
| | | | | | | | | 0.859 | | | | |
| | | | | | | | | 0.886 | | | | |
| 37905 | 187 | -0.112 | -4.92 | 7.38 | 2440 | 92.81 | -0.024 | 0.896 | 18.5 | -110.39 | -2.99 | 205 |
| | | -0.106 | | | | | -0.01 | 0.896 | | | | |
| | | -0.098 | | | | | -0.006 | 0.905 | | | | |
| | | -0.09 | | | | | 0.022 | 0.923 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 1.015 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37906 | 187 | -0.088 | -4.92 | 4.22 | 2384 | 94.22 | 0.041 | 1.042 | 17.5 | -114.61 | -3.69 | 205.5 |
| | | -0.096 | | | | | 0.041 | 1.033 | | | | |
| | | -0.094 | | | | | 0.035 | 1.005 | | | | |
| | | -0.092 | | | | | 0.035 | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| 37907 | 190 | -0.098 | -4.57 | -1.76 | 2332 | 94.22 | 0.031 | 1.033 | 16.5 | -118.48 | -3.34 | 206 |
| | | -0.092 | | | | | 0.016 | 1.033 | | | | |
| | | -0.094 | | | | | 0.01 | 1.051 | | | | |
| | | -0.092 | | | | | 0.006 | 1.088 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.07 | | | | |
| 37908 | 190.5 | -0.098 | -4.75 | -9.14 | 2284 | 93.51 | 0.024 | 1.024 | 15.5 | -114.26 | -3.16 | 206.5 |
| | | -0.102 | | | | | 0.026 | 0.987 | | | | |
| | | -0.1 | | | | | 0.035 | 0.951 | | | | |
| | | -0.098 | | | | | 0.033 | 0.969 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37909 | 190.5 | -0.104 | -4.75 | -14.77 | 2232 | 92.11 | 0.028 | 0.996 | 14.5 | -112.15 | -2.72 | 207.5 |
| | | -0.1 | | | | | 0.039 | 0.987 | | | | |
| | | -0.098 | | | | | 0.033 | 0.987 | | | | |
| | | -0.096 | | | | | 0.037 | 1.005 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.125 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37910 | 189.5 | -0.098 | -4.22 | -17.23 | 2184 | 89.65 | 0.039 | 1.106 | 14.5 | -102.3 | -1.93 | 208 |
| | | -0.1 | | | | | 0.004 | 1.088 | | | | |
| | | -0.1 | | | | | 0.006 | 1.06 | | | | |
| | | -0.108 | | | | | 0.014 | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.015 | | | | |
| 37911 | 194 | -0.11 | -4.92 | -18.98 | 2132 | 87.89 | 0.024 | 0.96 | 10.5 | -106.52 | -1.67 | 208.5 |
| | | -0.108 | | | | | 0.016 | 0.951 | | | | |
| | | -0.106 | | | | | 0.02 | 0.96 | | | | |
| | | -0.102 | | | | | 0.041 | 0.969 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.088 | | | | |
| 37912 | 197.5 | -0.094 | -4.04 | -19.34 | 2084 | 85.43 | 0.024 | 1.115 | 8.5 | -102.3 | -0.79 | 209 |
| | | -0.092 | | | | | 0.033 | 1.161 | | | | |
| | | -0.09 | | | | | 0.024 | 1.216 | | | | |
| | | -0.094 | | | | | 0.014 | 1.235 | | | | |
| | | | | | | | | 1.262 | | | | |
| | | | | | | | | 1.28 | | | | |
| | | | | | | | | 1.271 | | | | |
| | | | | | | | | 1.207 | | | | |
| 37913 | 196 | -0.104 | -4.75 | -19.34 | 2040 | 82.62 | 0.006 | 1.161 | 9.5 | -88.24 | -0.26 | 209.5 |
| | | -0.11 | | | | | 0.004 | 1.125 | | | | |
| | | -0.114 | | | | | -0.008 | 1.097 | | | | |
| | | -0.118 | | | | | -0.018 | 1.042 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37914 | 197.5 | -0.118 | -5.45 | -19.34 | 1992 | 80.51 | -0.02 | 0.996 | 10.5 | -86.48 | -0.09 | 210 |
| | | -0.11 | | | | | 0.002 | 0.996 | | | | |
| | | -0.11 | | | | | 0.004 | 1.024 | | | | |
| | | -0.114 | | | | | 0.02 | 1.06 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37915 | 197 | -0.112 | -5.45 | -18.98 | 1944 | 78.75 | 0.02 | 1.051 | 10 | -86.48 | 0 | 210.5 |
| | | -0.106 | | | | | 0.008 | 1.06 | | | | |
| | | -0.11 | | | | | 0.006 | 1.088 | | | | |
| | | -0.112 | | | | | 0.012 | 1.125 | | | | |
| | | | | | | | | 1.125 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37916 | 196 | -0.112 | -5.27 | -17.58 | 1900 | 76.99 | -0.006 | 1.015 | 12 | -82.97 | 0.35 | 211 |
| | | -0.116 | | | | | -0.022 | 1.024 | | | | |
| | | -0.106 | | | | | -0.014 | 1.042 | | | | |
| | | -0.104 | | | | | 0.01 | 1.06 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.097 | | | | |
| 37917 | 195 | -0.106 | -4.75 | -16.17 | 1856 | 75.23 | 0.035 | 1.079 | 13 | -84.37 | 0.35 | 211 |
| | | -0.108 | | | | | 0.008 | 1.06 | | | | |
| | | -0.112 | | | | | -0.004 | 1.042 | | | | |
| | | -0.112 | | | | | -0.018 | 1.024 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.06 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37918 | 194.5 | -0.114 | -4.39 | -14.06 | 1816 | 73.48 | 0 | 1.06 | 13 | -80.86 | 0.7 | 211 |
| | | -0.114 | | | | | 0.006 | 1.06 | | | | |
| | | -0.116 | | | | | 0 | 1.06 | | | | |
| | | -0.12 | | | | | -0.018 | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.088 | | | | |
| 37919 | 197 | -0.13 | -4.39 | -12.3 | 1772 | 72.07 | -0.02 | 1.143 | 12 | -83.32 | 0.53 | 211 |
| | | -0.128 | | | | | -0.006 | 1.161 | | | | |
| | | -0.122 | | | | | 0.018 | 1.06 | | | | |
| | | -0.132 | | | | | 0.006 | 1.024 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.097 | | | | |
| 37920 | 200 | -0.134 | -4.57 | -9.84 | 1736 | 71.02 | 0.006 | 1.125 | 8 | -81.21 | 0.53 | 210.5 |
| | | -0.149 | | | | | -0.008 | 1.152 | | | | |
| | | -0.155 | | | | | -0.016 | 1.161 | | | | |
| | | -0.165 | | | | | -0.02 | 1.189 | | | | |
| | | | | | | | | 1.216 | | | | |
| | | | | | | | | 1.189 | | | | |
| | | | | | | | | 1.143 | | | | |
| | | | | | | | | 1.115 | | | | |
| 37921 | 197.5 | -0.167 | -5.27 | -8.09 | 1704 | 70.31 | -0.022 | 1.079 | 11 | -90 | 0.18 | 210 |
| | | -0.169 | | | | | -0.014 | 1.06 | | | | |
| | | -0.165 | | | | | -0.037 | 1.051 | | | | |
| | | -0.167 | | | | | -0.012 | 1.005 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.033 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs) | (degs) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37922 | 197.5 | -0.173 | -4.92 | -8.79 | 1668 | 70.31 | -0.022 | 1.015 | 10.5 | -105.82 | -0.53 | 209 |
| | | -0.175 | | | | | -0.027 | 0.969 | | | | |
| | | -0.169 | | | | | 0 | 0.932 | | | | |
| | | -0.161 | | | | | 0.022 | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37923 | 193.5 | -0.155 | -4.57 | -6.33 | 1632 | 69.96 | 0.018 | 1.042 | 12.5 | -111.09 | -0.97 | 208.5 |
| | | -0.161 | | | | | 0.026 | 1.088 | | | | |
| | | -0.161 | | | | | 0.033 | 1.079 | | | | |
| | | -0.169 | | | | | 0.018 | 1.033 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37924 | 197 | -0.171 | -5.45 | -2.81 | 1600 | 69.26 | 0.012 | 0.969 | 8.5 | -103.01 | -0.35 | 208 |
| | | -0.169 | | | | | -0.006 | 0.941 | | | | |
| | | -0.173 | | | | | -0.006 | 0.96 | | | | |
| | | -0.181 | | | | | -0.006 | 0.941 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 0.868 | | | | |
| 37925 | 197 | -0.167 | -5.8 | 0 | 1560 | 68.55 | -0.006 | 0.831 | 8.5 | -90.35 | 0.26 | 207 |
| | | -0.167 | | | | | -0.029 | 0.859 | | | | |
| | | -0.165 | | | | | -0.035 | 0.914 | | | | |
| | | -0.157 | | | | | -0.006 | 0.951 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 1.015 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37926 | 197 | -0.159 | -4.92 | 0.35 | 1524 | 68.55 | -0.018 | 1.042 | 6 | -90.35 | 0.18 | 206.5 |
| | | -0.161 | | | | | 0 | 1.07 | | | | |
| | | -0.159 | | | | | -0.002 | 1.07 | | | | |
| | | -0.151 | | | | | 0.002 | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.079 | | | | |
| 37927 | 195.5 | -0.165 | -4.57 | 1.41 | 1488 | 68.55 | -0.012 | 1.106 | 9.5 | -87.54 | 0.26 | 206 |
| | | -0.163 | | | | | -0.006 | 1.106 | | | | |
| | | -0.163 | | | | | 0.004 | 1.051 | | | | |
| | | -0.159 | | | | | -0.008 | 1.015 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| 37928 | 195.5 | -0.163 | -5.62 | 4.57 | 1456 | 68.55 | 0.01 | 0.951 | 9 | -88.24 | 0.26 | 205 |
| | | -0.173 | | | | | -0.01 | 0.941 | | | | |
| | | -0.167 | | | | | -0.02 | 0.914 | | | | |
| | | -0.165 | | | | | -0.02 | 0.886 | | | | |
| | | | | | | | | 0.859 | | | | |
| | | | | | | | | 0.859 | | | | |
| | | | | | | | | 0.859 | | | | |
| | | | | | | | | 0.85 | | | | |
| 37929 | 195 | -0.167 | -5.98 | 7.73 | 1416 | 68.91 | -0.035 | 0.859 | 7.5 | -84.73 | 0.44 | 204.5 |
| | | -0.165 | | | | | -0.024 | 0.877 | | | | |
| | | -0.163 | | | | | -0.029 | 0.886 | | | | |
| | | -0.169 | | | | | -0.022 | 0.914 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.923 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37930 | 197 | -0.167 | -6.15 | 10.2 | 1372 | 69.96 | -0.024 | 0.932 | 5.5 | -85.78 | 0.18 | 204 |
| | | -0.167 | | | | | -0.02 | 0.951 | | | | |
| | | -0.165 | | | | | -0.008 | 0.951 | | | | |
| | | -0.165 | | | | | -0.006 | 0.96 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.941 | | | | |
| 37931 | 197 | -0.163 | -5.98 | 11.95 | 1332 | 71.02 | -0.014 | 0.941 | 5 | -95.27 | -0.09 | 203.5 |
| | | -0.167 | | | | | -0.01 | 0.969 | | | | |
| | | -0.165 | | | | | 0.002 | 0.978 | | | | |
| | | -0.163 | | | | | -0.006 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.005 | | | | |
| 37932 | 197 | -0.161 | -5.1 | 12.66 | 1288 | 72.42 | -0.018 | 1.005 | 5 | -100.9 | -0.26 | 203 |
| | | -0.163 | | | | | -0.02 | 0.996 | | | | |
| | | -0.161 | | | | | -0.029 | 1.024 | | | | |
| | | -0.155 | | | | | -0.027 | 1.042 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.06 | | | | |
| 37933 | 196 | -0.149 | -4.57 | 10.55 | 1244 | 74.18 | -0.006 | 1.07 | 5 | -125.16 | -0.97 | 202.5 |
| | | -0.147 | | | | | 0.012 | 1.097 | | | | |
| | | -0.151 | | | | | 0.008 | 1.125 | | | | |
| | | -0.157 | | | | | 0.006 | 1.152 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.106 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37934 | 199.5 | -0.161 | -4.57 | 6.68 | 1208 | 75.23 | 0.01 | 1.07 | 4.5 | -165.58 | -1.23 | 201.5 |
| | | -0.169 | | | | | 0.002 | 1.06 | | | | |
| | | -0.159 | | | | | -0.006 | 1.042 | | | | |
| | | -0.157 | | | | | -0.004 | 1.024 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.097 | | | | |
| | | | | | | | | 1.088 | | | | |
| 37935 | 197.5 | -0.155 | -4.57 | 3.16 | 1176 | 75.94 | 0 | 1.06 | 6 | -158.2 | -1.67 | 201 |
| | | -0.153 | | | | | 0 | 1.051 | | | | |
| | | -0.159 | | | | | 0.024 | 1.051 | | | | |
| | | -0.163 | | | | | 0.018 | 1.051 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.051 | | | | |
| 37936 | 198 | -0.165 | -4.22 | 5.62 | 1140 | 76.64 | -0.002 | 1.024 | 6 | -168.05 | -1.76 | 200 |
| | | -0.165 | | | | | 0 | 1.005 | | | | |
| | | -0.159 | | | | | -0.002 | 0.996 | | | | |
| | | -0.159 | | | | | -0.006 | 1.015 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| 37937 | 196 | -0.155 | -3.52 | 6.33 | 1112 | 77.34 | -0.002 | 1.06 | 7 | -161.01 | -1.85 | 199 |
| | | -0.149 | | | | | 0.008 | 1.051 | | | | |
| | | -0.151 | | | | | -0.01 | 1.06 | | | | |
| | | -0.151 | | | | | -0.012 | 1.088 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.051 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|-------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37938 | 192 | -0.149 | -2.81 | 5.98 | 1080 | 78.4 | -0.004 | 1.06 | 8 | -148.01 | -2.11 | 198 |
| | | -0.145 | | | | | 0.02 | 1.042 | | | | |
| | | -0.145 | | | | | 0.016 | 1.06 | | | | |
| | | -0.149 | | | | | 0.012 | 1.033 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.07 | | | | |
| 37939 | 193.5 | -0.147 | -2.64 | 5.98 | 1056 | 78.75 | 0.026 | 1.088 | 6.5 | -152.58 | -1.76 | 197 |
| | | -0.151 | | | | | 0.022 | 1.079 | | | | |
| | | -0.147 | | | | | -0.002 | 1.07 | | | | |
| | | -0.145 | | | | | 0.01 | 1.06 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37940 | 191.5 | -0.141 | -2.64 | 2.81 | 1024 | 78.75 | 0.016 | 0.987 | 6 | -139.57 | -1.41 | 196 |
| | | -0.149 | | | | | 0.012 | 0.969 | | | | |
| | | -0.139 | | | | | -0.012 | 0.941 | | | | |
| | | -0.139 | | | | | 0.01 | 0.941 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.088 | | | | |
| 37941 | 189.5 | -0.124 | -0.88 | -0.35 | 996 | 79.1 | 0.055 | 1.115 | 5 | -138.87 | -1.41 | 194.5 |
| | | -0.124 | | | | | 0.033 | 1.161 | | | | |
| | | -0.132 | | | | | 0.031 | 1.189 | | | | |
| | | -0.136 | | | | | 0.008 | 1.207 | | | | |
| | | | | | | | | 1.216 | | | | |
| | | | | | | | | 1.189 | | | | |
| | | | | | | | | 1.17 | | | | |
| | | | | | | | | 1.143 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37942 | 188.5 | -0.139 | -0.7 | -1.76 | 972 | 78.4 | -0.006 | 1.125 | 4 | -132.19 | -0.97 | 193 |
| | | -0.128 | | | | | 0.014 | 1.097 | | | | |
| | | -0.122 | | | | | 0.022 | 1.088 | | | | |
| | | -0.12 | | | | | 0.016 | 1.051 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 1.161 | | | | |
| 37943 | 186.5 | -0.114 | 1.23 | -4.57 | 952 | 78.05 | 0.024 | 1.207 | 4.5 | -123.75 | -0.88 | 191.5 |
| | | -0.112 | | | | | 0.026 | 1.271 | | | | |
| | | -0.112 | | | | | 0.02 | 1.262 | | | | |
| | | -0.114 | | | | | 0.022 | 1.244 | | | | |
| | | | | | | | | 1.207 | | | | |
| | | | | | | | | 1.207 | | | | |
| | | | | | | | | 1.207 | | | | |
| | | | | | | | | 1.161 | | | | |
| 37944 | 185.5 | -0.116 | 1.58 | -2.81 | 940 | 77.34 | 0.008 | 1.143 | 4 | -116.01 | -0.62 | 189.5 |
| | | -0.12 | | | | | 0.014 | 1.161 | | | | |
| | | -0.12 | | | | | 0.004 | 1.207 | | | | |
| | | -0.12 | | | | | 0.002 | 1.262 | | | | |
| | | | | | | | | 1.253 | | | | |
| | | | | | | | | 1.198 | | | | |
| | | | | | | | | 1.134 | | | | |
| | | | | | | | | 1.088 | | | | |
| 37945 | 183.5 | -0.126 | 0.7 | -4.22 | 940 | 76.99 | 0.006 | 1.042 | 3.5 | -115.31 | -0.53 | 187.5 |
| | | -0.128 | | | | | 0 | 0.996 | | | | |
| | | -0.128 | | | | | 0.01 | 1.042 | | | | |
| | | -0.13 | | | | | 0.016 | 1.06 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.951 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEE f) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37946 | 182 | -0.13 | 0.53 | -3.52 | 940 | 76.29 | -0.004 | 0.932 | 2.5 | -105.12 | -0.35 | 185 |
| | | -0.159 | | | | | -0.02 | 0.923 | | | | |
| | | -0.145 | | | | | -0.012 | 0.923 | | | | |
| | | -0.21 | | | | | 0.02 | 0.996 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 1.152 | | | | |
| | | | | | | | | 1.29 | | | | |
| | | | | | | | | 1.216 | | | | |
| 37947 | 179.5 | -0.163 | -0.53 | 1.05 | 944 | 76.29 | 0.014 | 1.024 | 2 | -83.32 | 0.09 | 182.5 |
| | | -0.196 | | | | | -0.071 | 0.868 | | | | |
| | | -0.261 | | | | | -0.018 | 0.786 | | | | |
| | | -0.257 | | | | | -0.008 | 0.804 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37948 | 175.5 | -0.289 | 0.18 | 1.05 | 936 | 75.94 | 0 | 1.18 | 2.5 | -89.3 | -0.09 | 177.5 |
| | | -0.312 | | | | | 0.01 | 1.216 | | | | |
| | | -0.326 | | | | | -0.018 | 1.06 | | | | |
| | | -0.344 | | | | | -0.02 | 0.859 | | | | |
| | | | | | | | | 0.868 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 1.125 | | | | |
| 37949 | 169.5 | -0.33 | -0.53 | 0.7 | 940 | 75.94 | -0.031 | 0.987 | 3 | -87.19 | 0 | 172 |
| | | -0.324 | | | | | -0.018 | 0.813 | | | | |
| | | -0.334 | | | | | 0.014 | 0.932 | | | | |
| | | -0.346 | | | | | -0.024 | 1.015 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 1.06 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37950 | 164.5 | -0.332 | -0.53 | 0.7 | 920 | 76.64 | -0.004 | 1.005 | 3.5 | -122.34 | -0.53 | 166 |
| | | -0.381 | | | | | 0.022 | 0.905 | | | | |
| | | -0.391 | | | | | -0.006 | 0.96 | | | | |
| | | -0.403 | | | | | -0.014 | 1.024 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.125 | | | | |
| 37951 | 155.5 | -0.381 | -0.53 | 0.7 | 916 | 76.99 | 0 | 1.005 | 6 | -117.42 | -0.97 | 159.5 |
| | | -0.395 | | | | | -0.012 | 0.886 | | | | |
| | | -0.399 | | | | | -0.004 | 0.914 | | | | |
| | | -0.383 | | | | | -0.006 | 1.005 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 0.932 | | | | |
| 37952 | 149.5 | -0.385 | -0.7 | 0.35 | 908 | 77.34 | 0.018 | 0.886 | 6 | -125.51 | -1.32 | 153 |
| | | -0.387 | | | | | -0.008 | 1.005 | | | | |
| | | -0.399 | | | | | -0.016 | 1.042 | | | | |
| | | -0.401 | | | | | 0.024 | 1.033 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.923 | | | | |
| 37953 | 141 | -0.397 | -1.05 | 0.35 | 904 | 77.69 | 0.045 | 0.96 | 7.5 | -118.83 | -1.41 | 146 |
| | | -0.395 | | | | | 0.055 | 0.868 | | | | |
| | | -0.446 | | | | | 0.024 | 0.795 | | | | |
| | | -0.422 | | | | | -0.004 | 0.886 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.225 | | | | |
| | | | | | | | | 1.024 | | | | |
| | | | | | | | | 0.886 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37954 | 133.5 | -0.422 | -0.7 | 0.35 | 896 | 77.69 | 0.012 | 0.987 | 7 | -108.28 | -1.05 | 139 |
| | | -0.438 | | | | | 0.022 | 0.96 | | | | |
| | | -0.415 | | | | | 0.028 | 1.134 | | | | |
| | | -0.44 | | | | | 0.028 | 1.06 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.831 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 1.042 | | | | |
| 37955 | 128 | -0.44 | -0.88 | 0.35 | 896 | 77.69 | -0.012 | 1.051 | 5.5 | -112.5 | -1.05 | 132 |
| | | -0.43 | | | | | -0.014 | 0.987 | | | | |
| | | -0.44 | | | | | -0.01 | 0.923 | | | | |
| | | -0.434 | | | | | -0.002 | 0.923 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.905 | | | | |
| 37956 | 119 | -0.468 | -0.88 | 0.7 | 896 | 77.69 | 0.012 | 0.951 | 6 | -108.63 | -1.14 | 124 |
| | | -0.487 | | | | | -0.008 | 1.07 | | | | |
| | | -0.489 | | | | | 0.014 | 1.024 | | | | |
| | | -0.495 | | | | | 0.057 | 0.923 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 1.005 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.96 | | | | |
| 37957 | 110 | -0.517 | -0.88 | 0.35 | 900 | 77.69 | 0.033 | 0.969 | 6.5 | -105.12 | -1.05 | 115 |
| | | -0.513 | | | | | 0.012 | 0.996 | | | | |
| | | -0.534 | | | | | -0.01 | 1.024 | | | | |
| | | -0.527 | | | | | 0.018 | 0.923 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.051 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.85 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|-------|--------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37958 | 102 | -0.536 | -0.88 | 0.7 | 904 | 77.69 | 0.026 | 0.996 | 5.5 | -106.17 | -1.05 | 106 |
| | | -0.534 | | | | | -0.004 | 1.079 | | | | |
| | | -0.519 | | | | | -0.053 | 0.96 | | | | |
| | | -0.527 | | | | | -0.027 | 0.978 | | | | |
| | | | | | | | | 0.886 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 1.106 | | | | |
| | | | | | | | | 0.969 | | | | |
| 37959 | 96 | -0.536 | -1.05 | 0.35 | 908 | 77.69 | -0.008 | 0.941 | 3 | -144.49 | -0.88 | 97 |
| | | -0.534 | | | | | 0.012 | 0.978 | | | | |
| | | -0.552 | | | | | 0.006 | 0.978 | | | | |
| | | -0.572 | | | | | 0.012 | 1.015 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37960 | 81.5 | -0.554 | -1.05 | 0.7 | 908 | 78.4 | 0.056 | 0.996 | 12.5 | 105.82 | -1.32 | 87.5 |
| | | -0.568 | | | | | 0.037 | 0.932 | | | | |
| | | -0.56 | | | | | 0.053 | 0.941 | | | | |
| | | -0.556 | | | | | 0.092 | 0.996 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37961 | 71.5 | -0.57 | -1.23 | 0.35 | 908 | 79.45 | 0.041 | 0.85 | 21.5 | 101.6 | -1.85 | 78 |
| | | -0.542 | | | | | 0.022 | 1.005 | | | | |
| | | -0.538 | | | | | 0.037 | 1.015 | | | | |
| | | -0.544 | | | | | 0.049 | 0.886 | | | | |
| | | | | | | | | 0.868 | | | | |
| | | | | | | | | 1.015 | | | | |
| | | | | | | | | 1.088 | | | | |
| | | | | | | | | 0.905 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|--------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37962 | 64 | -0.56 | -1.23 | 0 | 908 | 80.51 | 0.069 | 0.85 | 31 | 99.49 | -1.85 | 68.5 |
| | | -0.562 | | | | | 0.114 | 0.987 | | | | |
| | | -0.521 | | | | | 0.138 | 0.978 | | | | |
| | | -0.542 | | | | | 0.169 | 0.996 | | | | |
| | | | | | | | | 1.07 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.951 | | | | |
| 37963 | 55 | -0.538 | -1.41 | 0 | 912 | 84.73 | 0.226 | 0.932 | 41 | 105.47 | -2.81 | 59 |
| | | -0.542 | | | | | 0.271 | 1.005 | | | | |
| | | -0.527 | | | | | 0.297 | 0.987 | | | | |
| | | -0.473 | | | | | 0.338 | 0.951 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.896 | | | | |
| 37964 | 45 | -0.466 | -1.58 | -1.05 | 908 | 95.27 | 0.377 | 0.951 | 51 | 120.23 | -7.12 | 50 |
| | | -0.434 | | | | | 0.426 | 1.005 | | | | |
| | | -0.409 | | | | | 0.415 | 1.033 | | | | |
| | | -0.385 | | | | | 0.444 | 0.923 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37965 | 45 | -0.366 | -1.58 | -1.76 | 912 | 108.28 | 0.474 | 1.005 | 60 | 135.35 | -12.66 | 41.5 |
| | | -0.358 | | | | | 0.417 | 0.996 | | | | |
| | | -0.332 | | | | | 0.46 | 0.905 | | | | |
| | | -0.365 | | | | | 0.485 | 0.896 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 1.033 | | | | |
| | | | | | | | | 1.06 | | | | |
| | | | | | | | | 0.978 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|--------|--------|-------|-----------|--------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37966 | 45 | -0.379 | -1.05 | -1.76 | 904 | 119.18 | 0.389 | 0.896 | 67.5 | 145.19 | -17.05 | 34.5 |
| | | -0.312 | | | | | 0.332 | 0.923 | | | | |
| | | -0.316 | | | | | 0.438 | 0.932 | | | | |
| | | -0.265 | | | | | 0.387 | 0.841 | | | | |
| | | | | | | | | 1.079 | | | | |
| | | | | | | | | 1.308 | | | | |
| | | | | | | | | 1.161 | | | | |
| | | | | | | | | 0.923 | | | | |
| 37967 | 45 | -0.35 | -0.88 | -1.05 | 920 | 126.56 | 0.265 | 0.776 | 75 | 149.41 | -19.16 | 26 |
| | | -0.67 | | | | | 0.666 | 0.804 | | | | |
| | | -0.589 | | | | | 0.894 | 1.125 | | | | |
| | | -0.145 | | | | | 0.271 | 1.152 | | | | |
| | | | | | | | | 1.115 | | | | |
| | | | | | | | | 1.042 | | | | |
| | | | | | | | | 0.639 | | | | |
| | | | | | | | | 0.538 | | | | |
| 37968 | 45 | -0.358 | -6.33 | -0.35 | 924 | 123.75 | 0.183 | 0.831 | 79 | 139.57 | -8.79 | 20 |
| | | -0.534 | | | | | 0.309 | 1.015 | | | | |
| | | -0.21 | | | | | -0.159 | 1.125 | | | | |
| | | -0.161 | | | | | -0.079 | 1.07 | | | | |
| | | | | | | | | 1.61 | | | | |
| | | | | | | | | -0.223 | | | | |
| | | | | | | | | 0.556 | | | | |
| | | | | | | | | 0.062 | | | | |
| 37969 | 45 | -0.815 | -3.52 | 4.57 | 924 | 123.05 | 0.238 | 1.17 | 85.5 | 137.11 | 7.47 | 13.5 |
| | | -0.385 | | | | | 0.248 | 2.554 | | | | |
| | | -0.509 | | | | | 0.167 | 1.72 | | | | |
| | | -0.23 | | | | | 0.187 | 0.767 | | | | |
| | | | | | | | | 0.346 | | | | |
| | | | | | | | | 0.914 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.676 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37970 | 45 | -0.342 | -5.27 | 3.87 | 924 | 133.94 | 0.114 | 1.235 | 88.5 | 149.41 | 11.78 | 11 |
| | | -0.226 | | | | | 0.195 | 1.317 | | | | |
| | | -0.214 | | | | | 0.163 | 1.079 | | | | |
| | | -0.257 | | | | | 0.14 | 0.877 | | | | |
| | | | | | | | | 0.896 | | | | |
| | | | | | | | | 0.822 | | | | |
| | | | | | | | | 0.786 | | | | |
| | | | | | | | | 1.024 | | | | |
| 37971 | 45 | -0.251 | -5.62 | 2.81 | 924 | 144.14 | 0.204 | 1.042 | 90 | 89.65 | 7.91 | 9 |
| | | -0.21 | | | | | 0.136 | 1.051 | | | | |
| | | -0.253 | | | | | 0.118 | 1.051 | | | | |
| | | -0.212 | | | | | 0.106 | 0.932 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.96 | | | | |
| | | | | | | | | 0.905 | | | | |
| | | | | | | | | 0.905 | | | | |
| 37972 | 511.5 | -0.228 | -5.27 | 1.76 | 924 | 149.41 | 0.132 | 1.024 | 92 | 163.83 | 22.41 | 7 |
| | | -0.257 | | | | | 0.085 | 0.996 | | | | |
| | | -0.238 | | | | | 0.096 | 1.015 | | | | |
| | | -0.269 | | | | | 0.065 | 1.033 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.951 | | | | |
| | | | | | | | | 0.932 | | | | |
| 37973 | 45 | -0.277 | -5.45 | 1.76 | 924 | 150.12 | 0.041 | 1.024 | 95 | 89.65 | -5.19 | 4.5 |
| | | -0.295 | | | | | 0.081 | 1.005 | | | | |
| | | -0.303 | | | | | 0.047 | 0.978 | | | | |
| | | -0.334 | | | | | 0.037 | 0.951 | | | | |
| | | | | | | | | 0.932 | | | | |
| | | | | | | | | 0.923 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37974 | 511.5 | -0.365 | -5.45 | 2.11 | 924 | 148.01 | 0.028 | 0.987 | 99 | 161.72 | 22.41 | 0.5 |
| | | -0.379 | | | | | 0.026 | 0.969 | | | | |
| | | -0.418 | | | | | 0.053 | 0.932 | | | | |
| | | -0.187 | | | | | 0.049 | 0.923 | | | | |
| | | | | | | | | 0.941 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37975 | 45 | -0.104 | -5.45 | 2.11 | 924 | 146.95 | 0.02 | 0.978 | 99 | 89.65 | 44.91 | 0.5 |
| | | -0.153 | | | | | 0.049 | 0.996 | | | | |
| | | -0.143 | | | | | 0.049 | 1.015 | | | | |
| | | -0.145 | | | | | 0.043 | 0.987 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.969 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.996 | | | | |
| 37976 | 511.5 | -0.153 | -5.45 | 2.11 | 924 | 146.95 | 0.026 | 1.005 | 99 | 160.66 | 22.41 | 0.5 |
| | | -0.149 | | | | | 0.026 | 0.987 | | | | |
| | | -0.147 | | | | | 0.047 | 0.978 | | | | |
| | | -0.149 | | | | | 0.039 | 0.987 | | | | |
| | | | | | | | | 0.996 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.978 | | | | |
| | | | | | | | | 0.978 | | | | |
| 37977 | 45 | -0.147 | -5.45 | 2.11 | 924 | 146.95 | 0.037 | 0.987 | 99 | 89.65 | 44.91 | 0.5 |
| | | -0.149 | | | | | 0.033 | 0.996 | | | | |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37978 | 511.5 | -0.149 | -5.45 | 2.11 | 924 | 146.95 | 0.031 | 0.987 | 99 | 160.66 | 22.41 | 0.5 |
| | | -0.147 | | | | | 0.035 | 0.987 | | | | |
| | | -0.147 | | | | | 0.035 | 0.987 | | | | |
| | | -0.147 | | | | | 0.035 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37979 | 45 | -0.147 | -5.45 | 2.11 | 924 | 146.95 | 0.035 | 0.987 | 99 | 89.65 | 44.91 | 0.5 |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.035 | 0.987 | | | | |
| | | -0.149 | | | | | 0.035 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37980 | 511.5 | -0.147 | -5.45 | 2.11 | 924 | 146.95 | 0.039 | 0.987 | 99 | 160.66 | 22.41 | 0.5 |
| | | -0.149 | | | | | 0.035 | 0.987 | | | | |
| | | -0.149 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.035 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37981 | 45 | -0.147 | -5.45 | 2.11 | 924 | 146.95 | 0.037 | 0.987 | 99 | 89.65 | 44.91 | 0.5 |
| | | -0.149 | | | | | 0.039 | 0.987 | | | | |
| | | -0.149 | | | | | 0.035 | 0.987 | | | | |
| | | -0.149 | | | | | 0.037 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | Long. | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37982 | 511.5 | -0.149 | -5.45 | 2.11 | 924 | 146.95 | 0.035 | 0.987 | 99 | 160.66 | 22.41 | 0.5 |
| | | -0.149 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.039 | 0.987 | | | | |
| | | -0.147 | | | | | 0.039 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37983 | 45 | -0.145 | -5.45 | 2.11 | 924 | 146.95 | 0.035 | 0.987 | 99 | 89.65 | 44.91 | 0.5 |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.039 | 0.987 | | | | |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37984 | 511.5 | -0.147 | -5.45 | 2.11 | 924 | 146.95 | 0.037 | 0.987 | 99 | 160.66 | 22.41 | 0.5 |
| | | -0.149 | | | | | 0.037 | 0.987 | | | | |
| | | -0.149 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.039 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| 37985 | 45 | -0.149 | -5.45 | 2.11 | 924 | 146.95 | 0.033 | 0.987 | 99 | 89.65 | 44.91 | 0.5 |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | -0.147 | | | | | 0.035 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | Long | PITCH | ROLL | ALTITUDE | HEAD | LATG | Vert. | Wind | Wind | Drift | Groundspeed |
|---------|---------|--------|---------|---------|----------|--------|-------|--------|-------|-----------|-------|-------------|
| ELAPSED | | Accel | | | | | | Accel. | Speed | Direction | Angle | |
| TIME IN | | | | | | | | | | TRUE | | |
| SECONDS | (knots) | (g) | (degs.) | (degs.) | (FEET) | (DEG) | (g) | (G'S) | (kts) | (DEG) | (DEG) | (knots) |
| 37986 | 511.5 | -0.149 | -5.45 | 2.11 | 924 | 146.95 | 0.037 | 0.987 | 99 | 160.66 | 22.41 | 0.5 |
| | | -0.149 | | | | | 0.035 | 0.987 | | | | |
| | | -0.149 | | | | | 0.035 | 0.987 | | | | |
| | | -0.147 | | | | | 0.037 | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |
| | | | | | | | | 0.987 | | | | |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Aileron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|-------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Pedal | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37690 | 241.5 | 1.41 | 5456 | 0.25 | -1.18 | | 0 | -0.19 | -0.32 | 0.99 | -3.96 | 5.48 |
| 37691 | 241.5 | 1.41 | 5428 | 0.33 | -0.59 | 0 | | -0.19 | -0.32 | | | 5.45 |
| 37692 | 241.5 | 1.76 | 5404 | 0.46 | -0.88 | | 0 | -0.19 | -0.25 | 1.29 | -3.66 | 5.48 |
| 37693 | 241 | 2.11 | 5380 | 0.5 | -2.65 | 0 | | -0.19 | 0 | | | 5.45 |
| 37694 | 240.5 | 2.29 | 5360 | 0.54 | -3.53 | | 0 | -0.19 | 0 | 0.82 | -3.56 | 5.45 |
| 37695 | 240.5 | 2.64 | 5340 | 0.54 | -1.18 | 0 | | -0.19 | -0.38 | | | 5.48 |
| 37696 | 241 | 2.99 | 5320 | 0.63 | -0.59 | | 0 | -0.19 | -0.38 | 0.7 | -3.46 | 5.45 |
| 37697 | 240.5 | 3.52 | 5300 | 0.54 | -0.29 | 0 | | -0.19 | -0.19 | | | 5.48 |
| 37698 | 239 | 3.87 | 5284 | 0.54 | -0.59 | | 0 | -0.19 | -0.13 | 1.99 | -3.56 | 5.48 |
| 37699 | 239 | 4.04 | 5272 | 0.54 | -0.59 | 0 | | -0.19 | -0.38 | | | 5.48 |
| 37700 | 239 | 4.22 | 5260 | 0.59 | -0.59 | | 0 | -0.19 | -0.44 | 0.64 | -3.51 | 5.48 |
| 37701 | 238 | 4.39 | 5248 | 0.59 | 0 | 0 | | -0.19 | -0.32 | | | 5.48 |
| 37702 | 238.5 | 4.92 | 5240 | 0.59 | -0.29 | | 0 | -0.19 | -0.25 | 0.64 | -3.51 | 5.48 |
| 37703 | 238.5 | 5.1 | 5232 | 0.59 | 0 | 0 | | -0.19 | -0.51 | | | 5.48 |
| 37704 | 237.5 | 5.45 | 5224 | 0.63 | 0.59 | | 0 | -0.19 | -0.44 | 0.53 | -3.46 | 5.48 |
| 37705 | 237 | 5.62 | 5220 | 0.63 | 0.29 | 0 | | -0.19 | -0.32 | | | 5.48 |
| 37706 | 236 | 5.98 | 5220 | 0.54 | 0 | | 0 | -0.19 | -0.13 | 1.05 | -3.71 | 5.48 |
| 37707 | 236 | 6.15 | 5220 | 0.42 | -1.77 | 0 | | -0.19 | -0.06 | | | 5.48 |
| 37708 | 234.5 | 6.33 | 5220 | 0.29 | -2.36 | | 0 | -0.19 | 0 | 1.64 | -3.96 | 5.48 |
| 37709 | 234 | 6.33 | 5224 | 0.25 | -3.24 | 0 | | -0.19 | -0.06 | | | 5.48 |
| 37710 | 233.5 | 6.33 | 5228 | 0.08 | -2.06 | | 0 | -0.19 | -0.06 | 1.46 | -4.25 | 5.48 |
| 37711 | 232.5 | 6.33 | 5232 | 0.04 | -2.36 | 0 | | -0.19 | -0.06 | | | 5.48 |
| 37712 | 232.5 | 6.15 | 5236 | 0 | -1.47 | | 0 | -0.19 | -0.13 | 1.23 | -4.35 | 5.51 |
| 37713 | 232.5 | 6.15 | 5240 | 0 | -0.59 | 0 | | -0.19 | -0.06 | | | 5.45 |
| 37714 | 232.5 | 6.15 | 5244 | 0.04 | -1.77 | | 0 | -0.19 | -0.19 | 1.11 | -4.16 | 5.37 |
| 37715 | 232.5 | 5.98 | 5248 | 0.17 | -0.59 | 0 | | -0.19 | -0.32 | | | 5.28 |
| 37716 | 232.5 | 5.98 | 5252 | 0.21 | -0.59 | | 0 | -0.19 | -0.32 | 0.76 | -3.81 | 5.19 |
| 37717 | 232 | 5.62 | 5256 | 0.42 | -0.59 | 0 | | -0.19 | -0.25 | | | 5.13 |
| 37718 | 231.5 | 5.62 | 5256 | 0.33 | -0.59 | | 0 | -0.19 | -0.32 | 0.76 | -3.81 | 5.13 |
| 37719 | 232 | 5.45 | 5260 | 0.46 | -0.59 | 0 | | -0.19 | -0.19 | | | 5.13 |
| 37720 | 231.5 | 5.45 | 5260 | 0.46 | -0.59 | | 0 | -0.19 | -0.32 | 0.53 | -3.66 | 5.13 |
| 37721 | 231 | 5.45 | 5264 | 0.38 | -0.29 | 0 | | -0.19 | -0.25 | | | 5.13 |
| 37722 | 230.5 | 5.27 | 5264 | 0.42 | -0.29 | | 0 | -0.19 | -0.19 | 0.58 | -3.66 | 5.13 |
| 37723 | 229 | 5.27 | 5264 | 0.46 | -0.29 | 0 | | -0.19 | -0.13 | | | 5.13 |
| 37724 | 229 | 5.1 | 5260 | 0.46 | -0.29 | | 0 | -0.19 | -0.25 | 0.76 | -3.56 | 5.13 |
| 37725 | 229.5 | 5.27 | 5260 | 0.5 | -0.29 | 0 | | -0.19 | -0.25 | | | 5.13 |
| 37726 | 230.5 | 5.1 | 5256 | 0.54 | -0.29 | | 0 | -0.19 | -0.19 | 0.7 | -3.46 | 5.13 |
| 37727 | 231 | 5.27 | 5256 | 0.54 | 0 | 0 | | -0.19 | -0.38 | | | 5.13 |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Aileron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|-------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Pedal | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37728 | 231 | 5.27 | 5252 | 0.59 | 0 | | 0 | -0.19 | -0.25 | 0.12 | -3.36 | 5.13 |
| 37729 | 230 | 5.45 | 5252 | 0.5 | 5.01 | 0 | | -0.19 | -0.51 | | | 5.13 |
| 37730 | 230.5 | 5.45 | 5252 | 0.54 | 2.65 | | 0 | -0.19 | -0.38 | 0.12 | -3.41 | 5.13 |
| 37731 | 231.5 | 5.45 | 5248 | 0.59 | 1.47 | 0 | | -0.19 | -0.32 | | | 5.13 |
| 37732 | 231.5 | 5.45 | 5248 | 0.54 | 0.29 | | 0 | -0.19 | -0.06 | 0.64 | -3.51 | 5.13 |
| 37733 | 231 | 5.62 | 5248 | 0.5 | 0 | 0 | | -0.19 | -0.19 | | | 5.13 |
| 37734 | 231.5 | 5.45 | 5248 | 0.5 | 0 | | 0 | -0.19 | -0.25 | 0.7 | -3.51 | 5.13 |
| 37735 | 230 | 5.45 | 5252 | 0.5 | 0 | 0 | | -0.19 | -0.19 | | | 5.13 |
| 37736 | 230.5 | 5.45 | 5252 | 0.46 | -0.29 | | 0 | -0.19 | -0.25 | 0.23 | -3.61 | 5.13 |
| 37737 | 230 | 5.45 | 5252 | 0.5 | 0.88 | 0 | | -0.19 | -0.19 | | | 5.13 |
| 37738 | 230.5 | 5.27 | 5256 | 0.5 | 0.29 | | 0 | -0.19 | -0.25 | 0.53 | -3.61 | 5.13 |
| 37739 | 231.5 | 5.27 | 5256 | 0.5 | 0 | 0 | | -0.19 | 0.06 | | | 5.13 |
| 37740 | 232 | 5.27 | 5260 | 0.42 | -0.29 | | 0 | -0.15 | -0.19 | 0.7 | -3.71 | 5.13 |
| 37741 | 231.5 | 5.27 | 5260 | 0.38 | 0 | 0 | | -0.19 | -0.44 | | | 5.13 |
| 37742 | 231.5 | 5.1 | 5264 | 0.42 | 0 | | 0 | -0.19 | -0.19 | 0.53 | -3.61 | 5.13 |
| 37743 | 231.5 | 4.92 | 5264 | 0.42 | 0 | 0 | | -0.19 | -0.25 | | | 5.13 |
| 37744 | 231 | 4.92 | 5264 | 0.38 | 0 | | 0 | -0.19 | -0.13 | 0.53 | -3.71 | 5.13 |
| 37745 | 231.5 | 4.92 | 5268 | 0.38 | 0 | 0 | | -0.19 | -0.19 | | | 5.13 |
| 37746 | 232 | 4.92 | 5268 | 0.38 | 0 | | 0 | -0.19 | -0.32 | 0.58 | -3.71 | 5.13 |
| 37747 | 232 | 4.92 | 5264 | 0.38 | 0 | 0 | | -0.19 | -0.25 | | | 5.13 |
| 37748 | 231 | 4.92 | 5264 | 0.33 | 0.29 | | 0 | -0.19 | -0.38 | 0.29 | -3.76 | 5.13 |
| 37749 | 232 | 4.75 | 5260 | 0.42 | 0 | 0 | | -0.19 | -0.19 | | | 5.13 |
| 37750 | 231.5 | 4.92 | 5260 | 0.46 | 0 | | 0 | -0.19 | -0.19 | 0.76 | -3.61 | 5.13 |
| 37751 | 232.5 | 4.92 | 5256 | 0.46 | -0.29 | 0 | | -0.19 | -0.32 | | | 5.13 |
| 37752 | 232 | 5.1 | 5252 | 0.46 | 0.29 | | 0 | -0.19 | -0.44 | 0.58 | -3.56 | 5.13 |
| 37753 | 232 | 5.1 | 5248 | 0.5 | -0.29 | 0 | | -0.19 | 0 | | | 5.13 |
| 37754 | 230.5 | 5.1 | 5244 | 0.63 | -3.53 | | 0 | -0.19 | -0.13 | 1.34 | -3.21 | 5.13 |
| 37755 | 231.5 | 4.92 | 5240 | 0.84 | -0.29 | 0 | | -0.19 | -0.32 | | | 5.1 |
| 37756 | 230.5 | 5.1 | 5236 | 0.84 | 0.29 | | 0 | -0.19 | 0 | 0.58 | -3.06 | 5.13 |
| 37757 | 229 | 5.27 | 5228 | 0.84 | 0.59 | 0 | | -0.19 | -0.13 | | | 5.1 |
| 37758 | 229.5 | 5.1 | 5224 | 1 | 0.29 | | 0 | -0.19 | -0.44 | 1.11 | -2.91 | 5.19 |
| 37759 | 228 | 5.27 | 5220 | 0.8 | -0.29 | 0 | | -0.19 | -0.06 | | | 5.28 |
| 37760 | 227.5 | 5.1 | 5216 | 0.59 | -2.36 | | 0 | -0.19 | -0.38 | 1.23 | -3.76 | 5.39 |
| 37761 | 227 | 4.39 | 5208 | 0.21 | -0.59 | 0 | | -0.19 | -0.38 | | | 5.42 |
| 37762 | 226 | 3.69 | 5200 | 0.25 | -0.29 | | 0 | -0.19 | -0.38 | 0.58 | -3.91 | 5.39 |
| 37763 | 226 | 3.34 | 5188 | 0.42 | -0.29 | 0 | | -0.19 | -0.32 | | | 5.39 |
| 37764 | 224 | 3.34 | 5172 | 0.5 | -3.53 | | 0 | -0.19 | -0.13 | 1.93 | -3.51 | 5.39 |
| 37765 | 224 | 3.16 | 5152 | 0.67 | -0.59 | 0 | | -0.19 | -0.38 | | | 5.39 |
| 37766 | 224 | 3.16 | 5132 | 0.8 | -0.59 | | 0 | -0.19 | -0.44 | 1.17 | -3.16 | 5.39 |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Aileron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|-------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Pedal | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37767 | 223.5 | 2.99 | 5112 | 0.84 | -3.83 | 0 | | -0.19 | 0 | | | 5.39 |
| 37768 | 224 | 2.99 | 5092 | 0.8 | -4.71 | | 0 | -0.19 | 0 | 2.16 | -3.41 | 5.45 |
| 37769 | 223.5 | 2.81 | 5068 | 0.59 | -5.01 | 0 | | -0.19 | 0 | | | 5.54 |
| 37770 | 223.5 | 2.46 | 5044 | 0.42 | -4.42 | | 0 | -0.19 | -0.13 | 1.75 | -3.76 | 5.6 |
| 37771 | 223 | 2.29 | 5020 | 0.42 | -5.01 | 0 | | -0.19 | 0.13 | | | 5.6 |
| 37772 | 223.5 | 1.93 | 4996 | 0.42 | -3.83 | | 0 | -0.19 | 0.06 | 2.1 | -3.71 | 5.6 |
| 37773 | 223.5 | 1.93 | 4968 | 0.42 | -5.01 | 0 | | -0.19 | 0.06 | | | 5.6 |
| 37774 | 223.5 | 1.76 | 4936 | 0.54 | -3.53 | | 0 | -0.19 | -0.13 | 1.75 | -3.56 | 5.6 |
| 37775 | 224.5 | 1.58 | 4908 | 0.54 | -5.89 | 0 | | -0.19 | 0.25 | | | 5.6 |
| 37776 | 225 | 1.58 | 4876 | 0.54 | -4.42 | | 0 | -0.19 | 0 | 1.46 | -3.56 | 5.6 |
| 37777 | 225.5 | 1.58 | 4844 | 0.54 | -2.36 | 0 | | -0.19 | -0.32 | | | 5.6 |
| 37778 | 226 | 1.58 | 4812 | 0.54 | -1.77 | | 0 | -0.19 | -0.19 | 0.82 | -3.56 | 5.6 |
| 37779 | 226 | 1.58 | 4780 | 0.54 | -2.36 | 0 | | -0.19 | -0.32 | | | 5.6 |
| 37780 | 226 | 1.58 | 4748 | 0.54 | -0.59 | | 0 | -0.19 | -0.38 | 0.76 | -3.56 | 5.6 |
| 37781 | 227 | 1.41 | 4716 | 0.54 | -0.59 | 0 | | -0.19 | -0.32 | | | 5.6 |
| 37782 | 228 | 1.41 | 4684 | 0.54 | -0.29 | | 0 | -0.19 | -0.57 | 0.64 | -3.56 | 5.6 |
| 37783 | 228.5 | 1.58 | 4652 | 0.5 | -0.29 | 0 | | -0.19 | -0.32 | | | 5.6 |
| 37784 | 228.5 | 1.41 | 4620 | 0.5 | -0.59 | | 0 | -0.19 | -0.32 | 0.99 | -3.66 | 5.6 |
| 37785 | 228.5 | 1.41 | 4588 | 0.5 | -1.77 | 0 | | -0.19 | -0.06 | | | 5.6 |
| 37786 | 228.5 | 1.41 | 4560 | 0.5 | -2.36 | | 0 | -0.19 | -0.25 | 1.46 | -3.66 | 5.6 |
| 37787 | 229 | 1.41 | 4528 | 0.5 | -2.94 | 0 | | -0.19 | -0.13 | | | 5.6 |
| 37788 | 230 | 1.41 | 4496 | 0.46 | -2.94 | | 0 | -0.19 | -0.19 | 1.58 | -3.76 | 5.6 |
| 37789 | 230.5 | 1.41 | 4464 | 0.46 | -3.53 | 0 | | -0.19 | 0 | | | 5.6 |
| 37790 | 231.5 | 1.41 | 4432 | 0.42 | -4.42 | | 0 | -0.19 | 0 | 1.75 | -3.81 | 5.6 |
| 37791 | 232 | 1.41 | 4404 | 0.38 | -4.12 | 0 | | -0.19 | -0.06 | | | 5.6 |
| 37792 | 232.5 | 1.41 | 4372 | 0.38 | -3.83 | | 0 | -0.19 | -0.06 | 1.99 | -3.86 | 5.6 |
| 37793 | 233.5 | 1.41 | 4344 | 0.38 | -9.13 | 0 | | -0.19 | 0 | | | 5.6 |
| 37794 | 233.5 | 1.41 | 4312 | 0.33 | -12.07 | | 0 | -0.19 | -0.13 | 4.32 | -3.91 | 5.6 |
| 37795 | 233.5 | 1.41 | 4284 | 0.33 | -14.13 | 0 | | -0.19 | 0 | | | 5.6 |
| 37796 | 233.5 | 1.41 | 4252 | 0.38 | -14.13 | | 0 | -0.19 | 0 | 4.55 | -3.86 | 5.6 |
| 37797 | 234 | 1.41 | 4220 | 0.38 | -15.61 | 0 | | -0.19 | 0.06 | | | 5.6 |
| 37798 | 234 | 1.41 | 4192 | 0.42 | -17.08 | | 0 | -0.19 | 0.19 | 5.31 | -3.76 | 5.6 |
| 37799 | 234 | 1.41 | 4164 | 0.46 | -17.37 | 0 | | -0.19 | 0.19 | | | 5.6 |
| 37800 | 234.5 | 1.58 | 4132 | 0.46 | -11.48 | | 0 | -0.19 | 0 | 3.21 | -3.66 | 5.6 |
| 37801 | 235 | 1.41 | 4104 | 0.54 | -8.54 | 0 | | -0.19 | -0.06 | | | 5.6 |
| 37802 | 235 | 1.41 | 4076 | 0.54 | -7.36 | | 0 | -0.19 | -0.06 | 2.34 | -3.61 | 5.6 |
| 37803 | 235.5 | 1.23 | 4048 | 0.54 | -4.71 | 0 | | -0.19 | -0.25 | | | 5.6 |
| 37804 | 236.5 | 1.23 | 4020 | 0.5 | -1.18 | | 0 | -0.19 | -0.51 | 0.94 | -3.66 | 5.6 |
| 37805 | 237 | 1.41 | 3988 | 0.46 | -1.47 | 0 | | -0.19 | -0.44 | | | 5.6 |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Aileron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|-------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Peda. | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37806 | 236 | 1.41 | 3960 | 0.46 | -7.36 | | 0 | -0.19 | -0.32 | 3.56 | -3.56 | 5.6 |
| 37807 | 236.5 | 1.41 | 3932 | 0.54 | -14.13 | 0 | | -0.19 | -0.38 | | | 5.6 |
| 37808 | 236.5 | 1.58 | 3900 | 0.71 | -18.26 | | 0 | -0.19 | -0.13 | 5.77 | -3.21 | 5.6 |
| 37809 | 236 | 1.76 | 3868 | 0.8 | -18.26 | 0 | | -0.19 | 0.25 | | | 5.6 |
| 37810 | 235.5 | 1.58 | 3840 | 0.88 | -11.19 | | 0 | -0.19 | 0.38 | 3.1 | -2.96 | 5.6 |
| 37811 | 236 | 1.41 | 3808 | 1.13 | -9.72 | 0 | | -0.19 | 0.06 | | | 5.63 |
| 37812 | 235.5 | 1.58 | 3780 | 0.96 | -6.18 | | 0 | -0.19 | -0.19 | 2.04 | -2.91 | 5.72 |
| 37813 | 235.5 | 1.58 | 3752 | 1.21 | -3.53 | 0 | | -0.19 | -0.25 | | | 5.81 |
| 37814 | 235 | 2.11 | 3724 | 1.26 | -1.77 | | 0 | -0.19 | -0.63 | 0.94 | -2.62 | 5.89 |
| 37815 | 235 | 2.81 | 3700 | 1.17 | -1.77 | 0 | | -0.19 | -0.32 | | | 5.98 |
| 37816 | 235 | 3.34 | 3680 | 0.96 | -2.36 | | 0 | -0.19 | -0.51 | 2.28 | -3.16 | 6.1 |
| 37817 | 235 | 3.52 | 3660 | 0.75 | -5.59 | 0 | | -0.19 | -0.19 | | | 6.18 |
| 37818 | 235 | 3.69 | 3648 | 0.5 | -2.36 | | 0 | -0.19 | -0.57 | 1.11 | -3.91 | 6.24 |
| 37819 | 235 | 3.87 | 3632 | 0.38 | -3.83 | 0 | | -0.19 | -0.38 | | | 6.24 |
| 37820 | 235 | 3.87 | 3624 | 0.25 | -1.47 | | 0 | -0.19 | -0.57 | 1.75 | -4.21 | 6.24 |
| 37821 | 233.5 | 4.04 | 3608 | 0.17 | -4.71 | 0 | | -0.19 | -0.38 | | | 6.24 |
| 37822 | 233 | 4.22 | 3600 | 0.29 | -5.3 | | 0 | -0.19 | -0.13 | 2.57 | -4.06 | 6.27 |
| 37823 | 232.5 | 4.39 | 3588 | 0.33 | -6.48 | 0 | | -0.19 | -0.06 | | | 6.18 |
| 37824 | 230 | 4.57 | 3576 | 0.46 | -6.48 | | 0 | -0.19 | -0.06 | 2.98 | -3.56 | 6.1 |
| 37825 | 230.5 | 4.39 | 3564 | 0.63 | -6.48 | 0 | | -0.19 | -0.06 | | | 6.1 |
| 37826 | 229 | 4.22 | 3556 | 0.67 | -8.83 | | 0 | -0.19 | 0.13 | 2.28 | -3.41 | 6.1 |
| 37827 | 230.5 | 4.22 | 3548 | 0.67 | -4.12 | 0 | | -0.19 | -0.32 | | | 6.1 |
| 37828 | 229 | 4.04 | 3540 | 0.75 | -1.18 | | 0 | -0.19 | -0.38 | 1.11 | -3.36 | 6.07 |
| 37829 | 232 | 3.87 | 3532 | 0.63 | 0 | 0 | | -0.19 | -0.7 | | | 6.07 |
| 37830 | 229 | 4.04 | 3524 | 0.5 | -3.24 | | 0 | -0.19 | -0.38 | 2.57 | -3.76 | 6.07 |
| 37831 | 229 | 4.04 | 3516 | 0.59 | -2.65 | 0 | | -0.19 | -0.25 | | | 6.1 |
| 37832 | 227.5 | 4.04 | 3508 | 0.59 | -5.01 | | 0 | -0.19 | -0.32 | 1.87 | -3.68 | 6.07 |
| 37833 | 227 | 4.04 | 3496 | 0.59 | -8.83 | 0 | | -0.19 | 0 | | | 6.1 |
| 37834 | 229 | 4.04 | 3488 | 0.63 | -7.36 | | 0 | -0.19 | -0.13 | 1.34 | -3.46 | 6.1 |
| 37835 | 227.5 | 4.22 | 3480 | 0.63 | -0.88 | 0 | | -0.19 | -0.38 | | | 6.1 |
| 37836 | 228 | 4.22 | 3468 | 0.63 | -4.42 | | 0 | -0.19 | -0.32 | 1.29 | -3.46 | 6.07 |
| 37837 | 226.5 | 4.04 | 3456 | 0.67 | -4.42 | 0 | | -0.19 | -0.25 | | | 6.07 |
| 37838 | 223.5 | 4.22 | 3444 | 0.67 | -10.6 | | 0 | -0.19 | 0.13 | 3.44 | -3.46 | 6.1 |
| 37839 | 225.5 | 4.22 | 3436 | 0.63 | -5.59 | 0 | | -0.19 | 0 | | | 6.1 |
| 37840 | 230 | 3.87 | 3428 | 0.42 | 7.36 | | 0 | -0.19 | -0.76 | -3.62 | -3.86 | 6.1 |
| 37841 | 225.5 | 3.52 | 3420 | 0.33 | 14.13 | 0 | | -0.19 | -0.44 | | | 6.07 |
| 37842 | 224 | 3.69 | 3408 | -0.04 | 16.78 | | 0 | -0.19 | -1.02 | -2.98 | -4.25 | 6.1 |
| 37843 | 223 | 3.87 | 3392 | 0.17 | 10.6 | 0 | | -0.19 | -0.82 | | | 6.1 |
| 37844 | 223.5 | 4.04 | 3380 | 0.17 | 17.96 | | 0 | -0.19 | -0.76 | -3.15 | -4.06 | 6.07 |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Aileron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|-------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Pedal | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37845 | 224 | 4.04 | 3364 | 0.21 | 9.72 | 0 | | -0.19 | -0.32 | | | 6.01 |
| 37846 | 222 | 4.04 | 3352 | 0.38 | 6.48 | | 0 | -0.19 | -0.44 | -1.46 | -3.76 | 5.89 |
| 37847 | 223 | 3.87 | 3336 | 0.46 | 7.36 | 0 | | -0.19 | -0.63 | | | 5.83 |
| 37848 | 223.5 | 3.87 | 3324 | 0.46 | 2.94 | | 0 | -0.19 | -0.25 | -1.05 | -3.76 | 5.83 |
| 37849 | 220.5 | 4.04 | 3312 | 0.38 | 4.42 | 0 | | -0.19 | -0.19 | | | 5.83 |
| 37850 | 220 | 4.04 | 3296 | 0.5 | -5.3 | | 0 | -0.19 | 0.19 | 1.23 | -3.61 | 5.83 |
| 37851 | 221 | 4.04 | 3284 | 0.59 | -6.48 | 0 | | -0.19 | 0 | | | 5.83 |
| 37852 | 222.5 | 4.39 | 3272 | 0.75 | -1.18 | | 0 | -0.19 | -0.13 | 0.58 | -3.21 | 5.83 |
| 37853 | 221 | 4.75 | 3256 | 0.8 | 4.12 | 0 | | -0.19 | -0.25 | | | 5.83 |
| 37854 | 221.5 | 4.92 | 3248 | 0.96 | 2.06 | | 0 | -0.19 | -0.32 | 0.64 | -3.01 | 5.83 |
| 37855 | 219 | 5.1 | 3244 | 0.92 | -5.59 | 0 | | -0.19 | 0.44 | | | 5.81 |
| 37856 | 219 | 5.27 | 3236 | 0.88 | -0.59 | | 0 | -0.19 | 0.51 | 2.22 | -3.61 | 5.89 |
| 37857 | 220.5 | 5.98 | 3232 | 0.63 | -9.72 | 0 | | -0.19 | -0.06 | | | 5.92 |
| 37858 | 220.5 | 6.15 | 3228 | 0.67 | -2.94 | | 0 | -0.19 | -0.06 | 2.75 | -3.51 | 5.95 |
| 37859 | 219.5 | 6.15 | 3228 | 0.63 | -4.71 | 0 | | -0.19 | -0.19 | | | 5.92 |
| 37860 | 223.5 | 6.15 | 3228 | 0.67 | -8.25 | | 0.18 | -0.19 | -0.25 | 3.68 | -3.46 | 5.92 |
| 37861 | 224.5 | 6.15 | 3232 | 0.59 | -9.13 | 0.35 | | -0.19 | -0.19 | | | 5.92 |
| 37862 | 218.5 | 5.98 | 3236 | 0.67 | -2.36 | | 0.88 | -0.19 | -0.44 | 1.64 | -3.66 | 5.89 |
| 37863 | 215.5 | 6.15 | 3240 | 0.33 | -0.59 | 0.97 | | -0.19 | -0.06 | | | 5.89 |
| 37864 | 214 | 5.8 | 3244 | 0.38 | -12.66 | | 0.97 | -0.19 | 0.19 | 3.04 | -3.16 | 5.86 |
| 37865 | 213.5 | 5.45 | 3244 | 0.71 | -13.25 | 0.97 | | -0.19 | 0.25 | | | 5.89 |
| 37866 | 213.5 | 5.45 | 3248 | 0.67 | -12.96 | | 0.97 | -0.19 | 0.63 | 1.87 | -3.46 | 5.86 |
| 37867 | 211 | 5.45 | 3252 | 0.67 | -2.65 | 1.05 | | -0.19 | 0.13 | | | 5.89 |
| 37868 | 210.5 | 5.27 | 3248 | 0.71 | -7.36 | | 1.23 | -0.19 | -0.25 | 1.4 | -3.36 | 5.86 |
| 37869 | 209.5 | 5.27 | 3248 | 0.75 | -5.01 | 1.23 | | -0.19 | -0.25 | | | 5.86 |
| 37870 | 206.5 | 5.27 | 3244 | 0.88 | 1.18 | | 1.41 | -0.19 | -0.76 | 0.06 | -3.11 | 5.86 |
| 37871 | 205.5 | 5.45 | 3240 | 0.88 | -2.65 | 1.41 | | -0.19 | 0 | | | 5.86 |
| 37872 | 205 | 5.45 | 3236 | 1 | -0.59 | | 1.58 | -0.19 | -0.13 | 0.82 | -2.86 | 5.86 |
| 37873 | 204.5 | 5.62 | 3244 | 1.05 | 0.88 | 1.67 | | -0.19 | -0.32 | | | 5.92 |
| 37874 | 206 | 5.8 | 3244 | 0.59 | 0.29 | | 1.85 | -0.19 | -0.51 | 0.23 | -4.11 | 6.1 |
| 37875 | 206 | 5.98 | 3240 | 0.08 | -0.88 | 1.85 | | -0.19 | -0.06 | | | 6.16 |
| 37876 | 201.5 | 6.33 | 3244 | -0.29 | 10.01 | | 1.93 | -0.19 | -0.44 | -1.87 | -4.7 | 6.16 |
| 37877 | 198 | 5.62 | 3244 | -0.25 | 10.9 | 1.93 | | -0.19 | -0.13 | | | 6.13 |
| 37878 | 196 | 5.1 | 3244 | -0.33 | 11.78 | | 1.93 | -0.19 | -0.13 | -2.1 | -4.55 | 6.13 |
| 37879 | 192.5 | 4.75 | 3240 | -0.5 | 12.66 | 2.02 | | -0.19 | -0.25 | | | 6.16 |
| 37880 | 193 | 4.22 | 3232 | -0.8 | 16.2 | | 3.16 | -0.19 | -0.63 | -3.44 | -4.9 | 6.16 |
| 37881 | 191 | 3.16 | 3220 | 0.75 | 14.72 | 3.78 | | -0.19 | -1.46 | | | 6.1 |
| 37882 | 189 | 4.04 | 3208 | 0.46 | 7.95 | | 4.92 | -0.19 | -0.19 | -1.52 | -4.75 | 6.13 |
| 37883 | 190 | 3.69 | 3188 | 0.54 | 9.13 | 4.92 | | -0.19 | -0.57 | | | 6.13 |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Alleron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|-------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Pedal | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37884 | 188.5 | 2.81 | 3172 | 0.5 | 9.13 | | 4.92 | -0.19 | -0.38 | -1.4 | -3.46 | 6.13 |
| 37885 | 189.5 | 2.64 | 3148 | -0.04 | 2.06 | 4.92 | | -0.17 | 0.19 | | | 6.13 |
| 37886 | 190 | 2.11 | 3128 | 0.42 | -0.88 | | 6.59 | -0.19 | 0 | 1.11 | -3.56 | 6.1 |
| 37887 | 189.5 | 1.76 | 3100 | 0.38 | -2.65 | 7.47 | | -0.17 | -0.32 | | | 6.1 |
| 37888 | 189 | 1.41 | 3076 | 0.38 | -2.65 | | 9.32 | -0.17 | -0.44 | 1.93 | -3.61 | 6.13 |
| 37889 | 189 | 0.88 | 3044 | 0.38 | -5.3 | 9.93 | | -0.17 | 0.06 | | | 6.1 |
| 37890 | 189 | 0.18 | 3016 | 0.04 | -6.48 | | 10.63 | -0.14 | -0.25 | 3.39 | -3.81 | 6.07 |
| 37891 | 189.5 | -0.35 | 2980 | 0.17 | -7.07 | 14.94 | | -0.14 | 0.25 | | | 6.07 |
| 37892 | 187 | -0.35 | 2948 | 0.17 | -11.19 | | 14.94 | -0.11 | -0.13 | 3.44 | -3.86 | 6.07 |
| 37893 | 187.5 | -0.35 | 2916 | 0.13 | -8.54 | 14.94 | | -0.11 | 0.13 | | | 6.07 |
| 37894 | 189.5 | -0.35 | 2880 | -0.08 | -5.89 | | 14.94 | -0.08 | 0.32 | 1.52 | -4.4 | 6.1 |
| 37895 | 188.5 | -0.35 | 2844 | -1.59 | -1.77 | 16 | | -0.02 | 0.19 | | | 6.1 |
| 37896 | 188 | -1.05 | 2808 | -1 | -1.47 | | 24.96 | -0.08 | 0.63 | 1.11 | -5.04 | 6.1 |
| 37897 | 186.5 | -1.41 | 2772 | -0.8 | -1.77 | 24.96 | | -0.08 | 0.63 | | | 6.13 |
| 37898 | 190.5 | -1.23 | 2736 | -1.13 | -1.77 | | 24.96 | -0.06 | -0.44 | 1.11 | -5.49 | 6.1 |
| 37899 | 187.5 | -1.93 | 2700 | -1.21 | -0.88 | 24.96 | | -0.06 | 0.38 | | | 6.04 |
| 37900 | 182.5 | -2.81 | 2668 | -1.63 | 7.66 | | 24.96 | -0.06 | 0.63 | -0.35 | -6.13 | 6.07 |
| 37901 | 186 | -3.87 | 2632 | -1.59 | 5.3 | 24.96 | | -0.06 | 0.19 | | | 6.04 |
| 37902 | 186 | -4.75 | 2592 | -1.63 | 3.24 | | 24.96 | -0.08 | -0.25 | 0.06 | -6.03 | 6.04 |
| 37903 | 184.5 | -5.27 | 2548 | -0.67 | 2.36 | 24.96 | | -0.14 | -0.51 | | | 6.01 |
| 37904 | 185.5 | -4.92 | 2496 | -1.34 | -0.29 | | 24.96 | -0.14 | -1.4 | 1.64 | -5.49 | 6.04 |
| 37905 | 187 | -4.92 | 2440 | -1.05 | -9.72 | 24.96 | | -0.17 | -0.82 | | | 6.04 |
| 37906 | 187 | -4.92 | 2384 | -0.59 | -18.55 | | 24.96 | -0.17 | 0.76 | 5.13 | -4.7 | 6.01 |
| 37907 | 190 | -4.57 | 2332 | -0.84 | -17.96 | 24.96 | | -0.19 | 1.65 | | | 6.04 |
| 37908 | 190.5 | -4.75 | 2284 | -1.26 | -11.78 | | 24.96 | -0.19 | 0.89 | 3.27 | -5 | 6.04 |
| 37909 | 190.5 | -4.75 | 2232 | 0.59 | -4.12 | 24.96 | | -0.22 | 1.27 | | | 6.01 |
| 37910 | 189.5 | -4.22 | 2184 | -1.38 | -3.83 | | 24.96 | -0.22 | 1.08 | 1.46 | -5.44 | 6.04 |
| 37911 | 194 | -4.92 | 2132 | -0.42 | -0.88 | 24.96 | | -0.22 | -0.06 | | | 5.98 |
| 37912 | 197.5 | -4.04 | 2084 | 0.08 | 2.06 | | 24.96 | -0.22 | 0.25 | 0.12 | -5.98 | 6.04 |
| 37913 | 196 | -4.75 | 2040 | -1.13 | 4.12 | 24.96 | | -0.22 | -0.19 | | | 6.01 |
| 37914 | 197.5 | -5.45 | 1992 | -0.67 | 5.89 | | 24.96 | -0.22 | -1.52 | -0.41 | -5.14 | 6.01 |
| 37915 | 197 | -5.45 | 1944 | -1.17 | 5.59 | 24.96 | | -0.22 | -0.82 | | | 6.01 |
| 37916 | 196 | -5.27 | 1900 | -0.54 | 4.12 | | 24.96 | -0.22 | -1.02 | -0.23 | -5.24 | 6.01 |
| 37917 | 195 | -4.75 | 1856 | -0.25 | 5.3 | 24.96 | | -0.22 | -0.7 | | | 5.98 |
| 37918 | 194.5 | -4.39 | 1816 | -1.09 | 7.07 | | 24.96 | -0.22 | -1.14 | -0.82 | -5.39 | 6.01 |
| 37919 | 197 | -4.39 | 1772 | -1.21 | 8.54 | 25.22 | | -0.25 | -1.52 | | | 5.98 |
| 37920 | 200 | -4.57 | 1736 | -1.17 | 7.95 | | 29.27 | -0.25 | -0.32 | -0.76 | -6.47 | 5.95 |
| 37921 | 197.5 | -5.27 | 1704 | -1.21 | 7.07 | 29.97 | | -0.25 | -1.46 | | | 5.92 |
| 37922 | 197.5 | -4.92 | 1668 | -1.88 | 10.01 | | 29.97 | -0.25 | -1.52 | -1.17 | -7.1 | 5.92 |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Aileron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|-------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Pedal | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37923 | 193.5 | -4.57 | 1632 | -2.59 | 4.42 | 29.97 | | -0.25 | -0.25 | | -6.81 | 5.98 |
| 37924 | 197 | -5.45 | 1600 | -2.43 | 7.66 | | 29.97 | -0.25 | 0.7 | -0.53 | | 5.95 |
| 37925 | 197 | -5.8 | 1560 | -2.26 | 6.18 | 29.97 | | -0.22 | -0.38 | | | 5.95 |
| 37926 | 197 | -4.92 | 1524 | -2.22 | 8.54 | | 29.97 | -0.22 | -1.33 | -0.94 | -4.55 | 5.98 |
| 37927 | 195.5 | -4.57 | 1488 | -3.06 | 16.2 | 29.97 | | -0.22 | -0.89 | | | 6.01 |
| 37928 | 195.5 | -5.62 | 1456 | -2.43 | 7.36 | | 29.97 | -0.22 | -0.63 | -0.88 | -7 | 5.95 |
| 37929 | 195 | -5.98 | 1416 | -2.09 | 7.95 | 29.97 | | -0.22 | -1.08 | | | 5.95 |
| 37930 | 197 | -6.15 | 1372 | -2.22 | 7.95 | | 29.97 | -0.22 | -1.21 | -0.58 | -6.03 | 5.95 |
| 37931 | 197 | -5.98 | 1332 | -1.63 | 0.29 | 29.97 | | -0.22 | -0.44 | | | 5.95 |
| 37932 | 197 | -5.1 | 1288 | -1.13 | -2.65 | | 29.97 | -0.22 | -0.32 | 1.11 | -5.73 | 5.95 |
| 37933 | 196 | -4.57 | 1244 | -1.63 | -9.72 | 29.97 | | -0.22 | -0.7 | | | 5.98 |
| 37934 | 199.5 | -4.57 | 1208 | -1.76 | -2.06 | | 29.97 | -0.22 | 0.51 | 0.64 | -6.03 | 5.95 |
| 37935 | 197.5 | -4.57 | 1176 | -1.51 | 11.78 | 29.97 | | -0.22 | 0.13 | | | 5.95 |
| 37936 | 198 | -4.22 | 1140 | -1.42 | -0.59 | | 29.97 | -0.22 | 0.57 | 2.22 | -5.44 | 5.92 |
| 37937 | 196 | -3.52 | 1112 | -1.21 | 2.06 | 29.97 | | -0.25 | -0.06 | | | 5.95 |
| 37938 | 192 | -2.81 | 1080 | -1.26 | -2.06 | | 29.97 | -0.25 | -0.25 | 2.04 | -6.66 | 5.95 |
| 37939 | 193.5 | -2.64 | 1056 | -1.55 | -8.25 | 29.97 | | -0.25 | 1.08 | | | 5.95 |
| 37940 | 191.5 | -2.64 | 1024 | -0.21 | -8.54 | | 29.97 | -0.25 | 0.63 | 0.99 | -4.01 | 5.95 |
| 37941 | 189.5 | -0.88 | 996 | -0.5 | -10.6 | 29.97 | | 0.33 | 0.89 | | | 6.01 |
| 37942 | 188.5 | -0.7 | 972 | -0.67 | -8.83 | | 29.97 | -0.22 | 1.33 | 1.29 | -0.31 | 5.92 |
| 37943 | 186.5 | 1.23 | 952 | -1.42 | 8.83 | 29.97 | | -0.3 | 0.44 | | | 6.01 |
| 37944 | 185.5 | 1.58 | 940 | 0.46 | -10.01 | | 29.97 | -0.33 | 0.82 | -1.58 | -4.95 | 6.1 |
| 37945 | 183.5 | 0.7 | 940 | -1.09 | 13.55 | 29.97 | | -0.28 | -0.44 | | | 6.01 |
| 37946 | 182 | 0.53 | 940 | 0.59 | 27.09 | | 29.97 | -0.19 | -0.19 | 3.1 | -4.9 | 5.98 |
| 37947 | 179.5 | -0.53 | 944 | 0.29 | 1.18 | 29.97 | | -0.25 | 0.25 | | | 5.92 |
| 37948 | 175.5 | 0.18 | 936 | -0.88 | 14.13 | | 29.97 | -0.44 | -1.65 | -3.68 | -5.54 | 5.98 |
| 37949 | 169.5 | -0.53 | 940 | -1.55 | 19.43 | 29.97 | | -0.17 | -0.06 | | | 6.04 |
| 37950 | 164.5 | -0.53 | 920 | -1.72 | 15.61 | | 29.97 | -0.3 | -2.09 | -3.27 | -6.08 | 6.04 |
| 37951 | 155.5 | -0.53 | 916 | -0.42 | 7.07 | 29.97 | | -0.36 | -0.7 | | | 6.01 |
| 37952 | 149.5 | -0.7 | 908 | 0.59 | 0 | | 29.97 | -0.6 | -0.7 | -0.12 | -3.46 | 6.01 |
| 37953 | 141 | -1.05 | 904 | 0.63 | 0 | 30.32 | | -0.85 | -0.44 | | | 5.98 |
| 37954 | 133.5 | -0.7 | 896 | 0.63 | 0 | | 35.51 | -0.91 | -1.21 | -0.35 | -3.56 | 5.98 |
| 37955 | 128 | -0.88 | 896 | 0.59 | 0 | 38.5 | | -1.02 | -1.27 | | | 6.07 |
| 37956 | 119 | -0.88 | 896 | 0.59 | 0 | | 39.99 | -1.29 | -1.27 | -0.18 | -3.46 | 6.01 |
| 37957 | 110 | -0.88 | 900 | 0.63 | 0 | 39.99 | | -1.25 | -2.03 | | | 6.07 |
| 37958 | 102 | -0.88 | 904 | 0.63 | 0 | | 39.99 | -1.32 | -1.59 | -0.18 | -3.31 | 6.04 |
| 37959 | 96 | -1.05 | 908 | 0.67 | 0 | 39.99 | | -1.59 | -2.92 | | | 6.1 |
| 37960 | 81.5 | -1.05 | 908 | 0.63 | 0 | | 39.99 | -1.7 | -3.87 | -0.41 | -3.71 | 6.13 |
| 37961 | 71.5 | -1.23 | 908 | 0.63 | 0 | 39.99 | | -1.84 | -4.38 | | | 6.13 |

| FDR | CAS | PITCH | ALTITUDE | CCP | CWP | TE | TE | Rud | Rudder | Aileron | ELEV | Pitch |
|---------|---------|---------|----------|-----------|-----------|-------|-------|--------|-----------|---------|--------|---------|
| ELAPSED | | | | | | Flap | Flap | Pedal | | Posn - | POS L | Trim |
| TIME IN | | | | | | Posn | Posn | | | Left | | Posn |
| SECONDS | (knots) | (degs.) | (FEET) | (degrees) | (degrees) | (deg) | (deg) | (deg) | (degrees) | (degs.) | (degs) | (Units) |
| 37962 | 64 | -1.23 | 908 | 0.67 | 0 | | 39.99 | -1.48 | -4.76 | -0.41 | -3.46 | 6.13 |
| 37963 | 55 | -1.41 | 912 | 0.67 | 0 | 39.99 | | -2.17 | -5.58 | | | 6.13 |
| 37964 | 45 | -1.58 | 908 | 0.67 | 0 | | 39.99 | -2.03 | -6.53 | -0.41 | -3.56 | 6.18 |
| 37965 | 45 | -1.58 | 912 | 0.67 | 0 | 39.99 | | -0.91 | -6.22 | | | 6.16 |
| 37966 | 45 | -1.05 | 904 | 0.63 | 0 | | 39.99 | -2.53 | -5.84 | -0.41 | -3.41 | 6.16 |
| 37967 | 45 | -0.88 | 920 | 0.71 | 1.77 | 39.99 | | -3.22 | -4.19 | | | 6.01 |
| 37968 | 45 | -6.33 | 924 | 0.33 | 1.47 | | 39.99 | 0 | -1.78 | 0 | -3.96 | 6.16 |
| 37969 | 45 | -3.52 | 924 | 0.71 | -7.36 | 39.99 | | -4.92 | -8.88 | | | 6.16 |
| 37970 | 45 | -5.27 | 924 | 0.5 | -0.59 | | 39.99 | -6.79 | -4.82 | -0.47 | -3.41 | 6.18 |
| 37971 | 45 | -5.62 | 924 | 0.59 | -0.59 | 39.99 | | -12.78 | -22.65 | | | 6.16 |
| 37972 | 511.5 | -5.27 | 924 | 0.54 | -0.59 | | 39.99 | -13.25 | -25.63 | -0.47 | -3.26 | 6.16 |
| 37973 | 45 | -5.45 | 924 | 0.59 | -0.59 | 39.99 | | -13.25 | -25.25 | | | 6.18 |
| 37974 | 511.5 | -5.45 | 924 | 0.59 | -0.59 | | 39.99 | -13.25 | -25.25 | -0.41 | -3.01 | 6.18 |
| 37975 | 45 | -5.45 | 924 | 0.54 | -0.59 | 39.99 | | -9.32 | -25.25 | | | 6.18 |
| 37976 | 511.5 | -5.45 | 924 | 0.59 | -0.59 | | 39.99 | -6.68 | -15.16 | -0.47 | -3.06 | 6.18 |
| 37977 | 45 | -5.45 | 924 | 0.59 | -0.59 | 39.99 | | -5.19 | -12.5 | | | 6.18 |
| 37978 | 511.5 | -5.45 | 924 | 0.63 | -0.59 | | 39.99 | -4.86 | -9.64 | -0.47 | -3.26 | 6.18 |
| 37979 | 45 | -5.45 | 924 | 0.59 | -0.59 | 39.99 | | -4.59 | -9.52 | | | 6.18 |
| 37980 | 511.5 | -5.45 | 924 | 0.59 | -0.59 | | 39.99 | -3.57 | -8.88 | -0.47 | -3.11 | 6.18 |
| 37981 | 45 | -5.45 | 924 | 0.59 | -0.59 | 39.99 | | -2.91 | -6.28 | | | 6.18 |
| 37982 | 511.5 | -5.45 | 924 | 0.54 | -0.59 | | 39.99 | -2.86 | -5.46 | -0.47 | -3.16 | 6.18 |
| 37983 | 45 | -5.45 | 924 | 0.59 | -0.59 | 39.99 | | -1.95 | -3.68 | | | 6.18 |
| 37984 | 511.5 | -5.45 | 924 | 0.59 | -0.59 | | -0.09 | -1.92 | -3.43 | -0.47 | -3.16 | 6.18 |
| 37985 | 45 | -5.45 | 924 | 0.59 | -0.59 | -0.09 | | -1.87 | -3.36 | | | 6.18 |
| 37986 | 511.5 | -5.45 | 924 | 0.59 | -0.59 | | -0.09 | -1.84 | -3.3 | -0.47 | -3.21 | 6.18 |

| FDR | ALTITUDE | CAS | Ground-speed | N1 Eng 1 | N1 Eng 2 | T/R Unlock R | T/R Dep R OUTBRD | T/R Unlock R | T/R Dep R | T/R Unlock L | T/R Dep L | T/R Unlock L | T/R Dep L OUTBRD |
|---------|----------|---------|--------------|----------|----------|--------------|------------------|--------------|-----------|--------------|-----------|--------------|------------------|
| ELAPSED | TIME IN | SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | OUTBD | INBRD | INBOARD | INBD | INBOARD | OUTBD |
| 37690 | 5456 | 241.5 | 262 | 32.2 | 28.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37691 | 5428 | 241.5 | 262 | 32.2 | 28.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37692 | 5404 | 241.5 | 262 | 32.2 | 28.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37693 | 5380 | 241 | 262 | 32.2 | 28.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37694 | 5360 | 240.5 | 262 | 32.2 | 28.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37695 | 5340 | 240.5 | 261.5 | 32.2 | 29.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37696 | 5320 | 241 | 261.5 | 33.58 | 32.58 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37697 | 5300 | 240.5 | 261 | 37.33 | 34.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37698 | 5284 | 239 | 261 | 36.83 | 34.33 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37699 | 5272 | 239 | 260 | 36.2 | 33.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37700 | 5260 | 239 | 259.5 | 35.95 | 33.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37701 | 5248 | 238 | 259 | 35.95 | 33.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37702 | 5240 | 238.5 | 258 | 35.83 | 33.33 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37703 | 5232 | 238.5 | 257 | 35.83 | 33.33 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37704 | 5224 | 237.5 | 256 | 35.7 | 34.33 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37705 | 5220 | 237 | 255 | 36.58 | 36.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37706 | 5220 | 236 | 254 | 39.83 | 40.21 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37707 | 5220 | 235 | 253.5 | 45.71 | 45.46 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37708 | 5220 | 234.5 | 252.5 | 51.59 | 50.34 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37709 | 5224 | 234 | 252 | 55.72 | 53.35 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37710 | 5228 | 233.5 | 251.5 | 57.98 | 55.1 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37711 | 5232 | 232.5 | 251 | 59.35 | 57.73 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37712 | 5236 | 232.5 | 251 | 61.6 | 59.85 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37713 | 5240 | 232.5 | 250.5 | 63.23 | 60.6 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37714 | 5244 | 232.5 | 250.5 | 63.98 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37715 | 5248 | 232.5 | 250.5 | 64.11 | 61.6 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37716 | 5252 | 232.5 | 250 | 63.86 | 60.73 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37717 | 5256 | 232 | 250 | 62.6 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37718 | 5256 | 231.5 | 250 | 61.6 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37719 | 5260 | 232 | 250 | 61.1 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37720 | 5260 | 231.5 | 250 | 60.85 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37721 | 5264 | 231 | 250 | 60.85 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37722 | 5264 | 230.5 | 250 | 60.85 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37723 | 5264 | 229 | 250 | 60.73 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37724 | 5260 | 229 | 250 | 60.73 | 60.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37725 | 5260 | 229.5 | 250 | 60.73 | 60.35 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37726 | 5256 | 230.5 | 250 | 60.85 | 61.6 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37727 | 5256 | 231 | 250.5 | 61.35 | 61.85 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |

| FDR | ALTITUDE | CAS | Ground-speed | N1 Eng 1 | N1 Eng 2 | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep | | |
|---------|----------|---------|--------------|----------|----------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ELAPSED | TIME IN | SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | Unlock R | R OUTBRD | Unlock R | R | Unlock L | L | Unlock L | L OUTBRD |
| | | | | | | | | OUTBD | | INBRD | INBOARD | INBD | INBOARD | OUTBD | |
| 37728 | 5252 | 231 | 250.5 | 61.35 | 61.85 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37729 | 5252 | 230 | 250.5 | 61.35 | 61.73 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37730 | 5252 | 230.5 | 250.5 | 61.35 | 61.6 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37731 | 5248 | 231.5 | 251 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37732 | 5248 | 231.5 | 250.5 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37733 | 5248 | 231 | 250.5 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37734 | 5248 | 231.5 | 250.5 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37735 | 5252 | 230 | 250.5 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37736 | 5252 | 230.5 | 251 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37737 | 5252 | 230 | 251 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37738 | 5256 | 230.5 | 251 | 61.35 | 61.48 | Locked | Not Depl | Lockeo | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37739 | 5256 | 231.5 | 251 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37740 | 5260 | 232 | 251 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37741 | 5260 | 231.5 | 251 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37742 | 5264 | 231.5 | 251 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37743 | 5264 | 231.5 | 251.5 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37744 | 5264 | 231 | 251.5 | 61.35 | 61.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37745 | 5268 | 231.5 | 251.5 | 61.35 | 60.98 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37746 | 5268 | 232 | 252 | 61.35 | 60.35 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37747 | 5264 | 232 | 252 | 61.35 | 60.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37748 | 5264 | 231 | 252 | 61.35 | 60.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37749 | 5260 | 232 | 252.5 | 61.35 | 60.48 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37750 | 5260 | 231.5 | 252.5 | 61.35 | 59.85 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37751 | 5256 | 232.5 | 252.5 | 61.23 | 59.23 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37752 | 5252 | 232 | 252.5 | 60.98 | 58.73 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37753 | 5248 | 232 | 252.5 | 60.1 | 56.47 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37754 | 5244 | 230.5 | 252 | 55.85 | 52.6 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37755 | 5240 | 231.5 | 251.5 | 49.72 | 50.34 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37756 | 5236 | 230.5 | 251 | 44.71 | 47.72 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37757 | 5228 | 229 | 250 | 41.21 | 44.21 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37758 | 5224 | 229.5 | 249.5 | 38.71 | 40.08 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37759 | 5220 | 228 | 248.5 | 36.58 | 36.83 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37760 | 5216 | 227.5 | 247.5 | 34.95 | 34.33 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37761 | 5208 | 227 | 247 | 33.83 | 32.33 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37762 | 5200 | 226 | 246.5 | 32.95 | 30.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37763 | 5188 | 226 | 246 | 32.2 | 29.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37764 | 5172 | 224 | 245.5 | 31.57 | 29.2 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37765 | 5152 | 224 | 245.5 | 31.57 | 28.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37766 | 5132 | 224 | 245 | 31.7 | 27.82 | Locked | Not Depl | LockeJ | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |

| FDR | ALTITUDE | CAS | Ground-speed | N1 Eng 1 | N1 Eng 2 | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep | | |
|---------|----------|---------|--------------|----------|----------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ELAPSED | TIME IN | SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | Unlock R | R OUTBRD | Unlock R | R | Unlock L | L | Unlock L | L OUTBRD |
| | | | | | | | | OUTBD | INBRD | INBOARD | INBD | INBOARD | OUTBD | | |
| 37767 | 5112 | 223.5 | 245 | 31.7 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37768 | 5092 | 224 | 245 | 31.7 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37769 | 5068 | 223.5 | 245 | 31.7 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37770 | 5044 | 223.5 | 245 | 31.7 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37771 | 5020 | 223 | 245 | 31.7 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37772 | 4996 | 223.5 | 245 | 31.7 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37773 | 4968 | 223.5 | 245 | 31.7 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37774 | 4936 | 223.5 | 245.5 | 31.7 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37775 | 4908 | 224.5 | 245.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37776 | 4876 | 225 | 246 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37777 | 4844 | 225.5 | 246 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37778 | 4812 | 226 | 246.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37779 | 4780 | 226 | 247 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37780 | 4748 | 226 | 247 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37781 | 4716 | 227 | 247.5 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37782 | 4684 | 228 | 248 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37783 | 4652 | 228.5 | 248.5 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37784 | 4620 | 228.5 | 248.5 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37785 | 4588 | 228.5 | 249 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37786 | 4560 | 228.5 | 249.5 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37787 | 4528 | 229 | 249.5 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37788 | 4496 | 230 | 250 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37789 | 4464 | 230.5 | 250 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37790 | 4432 | 231.5 | 250.5 | 31.82 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37791 | 4404 | 232 | 250.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37792 | 4372 | 232.5 | 251 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37793 | 4344 | 233.5 | 251 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37794 | 4312 | 233.5 | 251.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37795 | 4284 | 233.5 | 252 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37796 | 4252 | 233.5 | 252 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37797 | 4220 | 234 | 252.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37798 | 4192 | 234 | 253 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37799 | 4164 | 234 | 253.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37800 | 4132 | 234.5 | 254 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37801 | 4104 | 235 | 255 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37802 | 4076 | 235 | 255.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37803 | 4048 | 235.5 | 256 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37804 | 4020 | 236.5 | 256.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37805 | 3988 | 237 | 257.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |

| FDR | ALTITUDE | CAS | Ground- speed | N1 Eng 1 | N1 Eng 2 | T/R Unlock R | T/R Dep R OUTBRD | T/R Unlock R | T/R Dep R | T/R Unlock L | T/R Dep L | T/R Unlock L | T/R Dep L OUTBRD |
|---------|----------|---------|------------------|-------------|-------------|-----------------|---------------------|-----------------|--------------|-----------------|--------------|-----------------|---------------------|
| ELAPSED | TIME IN | SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | OUTBD | INBRD | INBOARD | INBD | INBOARD | OUTBD |
| 37806 | 3960 | 236 | 258 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37807 | 3932 | 236.5 | 258.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37808 | 3900 | 236.5 | 259 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37809 | 3868 | 236 | 260 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37810 | 3840 | 235.5 | 261 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37811 | 3808 | 236 | 261.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37812 | 3780 | 235.5 | 262.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37813 | 3752 | 235.5 | 263.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37814 | 3724 | 235 | 264 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37815 | 3700 | 235 | 264.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37816 | 3680 | 235 | 265 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37817 | 3660 | 235 | 265.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37818 | 3648 | 235 | 265.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37819 | 3632 | 235 | 265.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37820 | 3624 | 235 | 265.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37821 | 3608 | 233.5 | 265 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37822 | 3600 | 233 | 265 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37823 | 3588 | 232.5 | 264.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37824 | 3576 | 230 | 264 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37825 | 3564 | 230.5 | 264 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37826 | 3556 | 229 | 263.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37827 | 3548 | 230.5 | 263 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37828 | 3540 | 229 | 263 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37829 | 3532 | 232 | 262.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37830 | 3524 | 229 | 262 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37831 | 3516 | 229 | 261.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37832 | 3508 | 227.5 | 261 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37833 | 3496 | 227 | 260.5 | 31.82 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37834 | 3488 | 229 | 260 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37835 | 3480 | 227.5 | 259.5 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37836 | 3468 | 228 | 259 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37837 | 3456 | 226.5 | 258.5 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37838 | 3444 | 223.5 | 257.5 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37839 | 3436 | 225.5 | 257 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37840 | 3428 | 230 | 256.5 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37841 | 3420 | 225.5 | 256 | 31.7 | 27.95 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37842 | 3408 | 224 | 255.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37843 | 3392 | 223 | 255 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37844 | 3380 | 223.5 | 254 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |

| FDR | ALTITUDE | CAS | Ground-speed | N1 Eng 1 | N1 Eng 2 | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep | | |
|---------|----------|---------|--------------|----------|----------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ELAPSED | TIME IN | SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | Unlock R | R OUTBRD | Unlock R | R | Unlock L | L | Unlock L | L OUTBRD |
| | | | | | | | | OUTBD | | INBRD | INBOARD | INBD | INBOARD | OUTBD | |
| 37845 | 3364 | 224 | 253.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37846 | 3352 | 222 | 253.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37847 | 3336 | 223 | 253 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37848 | 3324 | 223.5 | 252.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37849 | 3312 | 220.5 | 252 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37850 | 3296 | 220 | 251.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37851 | 3284 | 221 | 251 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37852 | 3272 | 222.5 | 251 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37853 | 3256 | 221 | 250.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37854 | 3248 | 221.5 | 249.5 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37855 | 3244 | 219 | 249 | 31.7 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37856 | 3236 | 219 | 248.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37857 | 3232 | 220.5 | 247.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37858 | 3228 | 220.5 | 246.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37859 | 3228 | 219.5 | 245.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37860 | 3228 | 223.5 | 244.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37861 | 3232 | 224.5 | 243.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37862 | 3236 | 218.5 | 242 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37863 | 3240 | 215.5 | 241 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37864 | 3244 | 214 | 239.5 | 31.57 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37865 | 3244 | 213.5 | 238.5 | 31.57 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37866 | 3248 | 213.5 | 237 | 31.57 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37867 | 3252 | 211 | 236 | 31.57 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37868 | 3248 | 210.5 | 234.5 | 31.57 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37869 | 3248 | 209.5 | 233.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37870 | 3244 | 206.5 | 232.5 | 31.57 | 27.82 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37871 | 3240 | 205.5 | 231.5 | 31.57 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37872 | 3236 | 205 | 230.5 | 31.57 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37873 | 3244 | 204.5 | 229 | 31.45 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37874 | 3244 | 206 | 228 | 31.45 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37875 | 3240 | 206 | 226 | 31.45 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37876 | 3244 | 201.5 | 224 | 31.45 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37877 | 3244 | 198 | 222.5 | 31.45 | 27.7 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37878 | 3244 | 196 | 220.5 | 31.45 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37879 | 3240 | 192.5 | 219.5 | 31.45 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37880 | 3232 | 193 | 218 | 31.45 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37881 | 3220 | 191 | 217 | 31.45 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37882 | 3208 | 189 | 216 | 31.32 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37883 | 3188 | 190 | 215 | 31.32 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |

| FDR | ALTITUDE | CAS | Ground- | N1 Eng | N1 Eng | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep | T/R | T/R Dep |
|---------|----------|---------|---------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| ELAPSED | | | speed | 1 | 2 | Unlock R | R OUTBRD | Unlock R | R | Unlock L | L | Unlock L | L OUTBRD |
| TIME IN | | | | | | OUTBD | | INBRD | INBOARD | INBD | INBOARD | OUTBD | |
| SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | | | | | | | | |
| 37884 | 3172 | 188.5 | 214.5 | 31.32 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37885 | 3148 | 189.5 | 213.5 | 31.32 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37886 | 3128 | 190 | 213 | 31.32 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37887 | 3100 | 189.5 | 212.5 | 31.32 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37888 | 3076 | 189 | 212 | 31.32 | 27.57 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37889 | 3044 | 189 | 211.5 | 31.32 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37890 | 3016 | 189 | 211 | 31.2 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37891 | 2980 | 189.5 | 210.5 | 31.2 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37892 | 2948 | 187 | 210 | 31.32 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37893 | 2916 | 187.5 | 209.5 | 31.2 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37894 | 2880 | 189.5 | 209 | 31.2 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37895 | 2844 | 188.5 | 208 | 31.2 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37896 | 2808 | 188 | 207.5 | 31.2 | 27.45 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37897 | 2772 | 186.5 | 206.5 | 31.2 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37898 | 2736 | 190.5 | 206 | 31.2 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37899 | 2700 | 187.5 | 205.5 | 31.2 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37900 | 2668 | 182.5 | 205 | 31.2 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37901 | 2632 | 186 | 204.5 | 31.2 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37902 | 2592 | 186 | 204.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37903 | 2548 | 184.5 | 205 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37904 | 2496 | 185.5 | 205 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37905 | 2440 | 187 | 205 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37906 | 2384 | 187 | 205.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37907 | 2332 | 190 | 206 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37908 | 2284 | 190.5 | 206.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37909 | 2232 | 190.5 | 207.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37910 | 2184 | 189.5 | 208 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37911 | 2132 | 194 | 208.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37912 | 2084 | 197.5 | 209 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37913 | 2040 | 196 | 209.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37914 | 1992 | 197.5 | 210 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37915 | 1944 | 197 | 210.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37916 | 1900 | 196 | 211 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37917 | 1856 | 195 | 211 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37918 | 1816 | 194.5 | 211 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37919 | 1772 | 197 | 211 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37920 | 1736 | 200 | 210.5 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37921 | 1704 | 197.5 | 210 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37922 | 1668 | 197.5 | 209 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |

| FDR | ALTITUDE | CAS | Ground-speed | N1 Eng 1 | N1 Eng 2 | T/R Unlock R | T/R Dep R OUTBRD | T/R Unlock R | T/R Dep R | T/R Unlock L | T/R Dep L | T/R Unlock L | T/R Dep L OUTBRD |
|---------|----------|---------|--------------|----------|----------|--------------|------------------|--------------|-----------|--------------|-----------|--------------|------------------|
| ELAPSED | TIME IN | SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | OUTBD | INBRD | INBOARD | INBD | INBOARD | OUTBD |
| 37923 | 1632 | 193.5 | 208.5 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37924 | 1600 | 197 | 208 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37925 | 1560 | 197 | 207 | 31.07 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37926 | 1524 | 197 | 206.5 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37927 | 1488 | 195.5 | 206 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37928 | 1456 | 195.5 | 205 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37929 | 1416 | 195 | 204.5 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37930 | 1372 | 197 | 204 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37931 | 1332 | 197 | 203.5 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37932 | 1288 | 197 | 203 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37933 | 1244 | 196 | 202.5 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37934 | 1208 | 199.5 | 201.5 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37935 | 1176 | 197.5 | 201 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37936 | 1140 | 198 | 200 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37937 | 1112 | 196 | 199 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37938 | 1080 | 192 | 196 | 30.95 | 27.32 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37939 | 1056 | 193.5 | 197 | 30.95 | 27.2 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37940 | 1024 | 191.5 | 196 | 30.95 | 27.2 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37941 | 996 | 189.5 | 194.5 | 30.95 | 27.2 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37942 | 972 | 188.5 | 193 | 30.82 | 27.2 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37943 | 952 | 186.5 | 191.5 | 30.82 | 27.2 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37944 | 940 | 185.5 | 189.5 | 30.82 | 27.2 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37945 | 940 | 183.5 | 187.5 | 30.82 | 27.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37946 | 940 | 182 | 185 | 30.82 | 27.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37947 | 944 | 179.5 | 182.5 | 30.7 | 27.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37948 | 936 | 175.5 | 177.5 | 30.7 | 27.07 | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl | Locked | Not Depl |
| 37949 | 940 | 169.5 | 172 | 30.7 | 27.2 | Unlock | Not Depl | Unlock | Not Depl | Unlock | Not Depl | Locked | Not Depl |
| 37950 | 920 | 164.5 | 166 | 33.08 | 30.07 | Unlock | Deployed | Unlock | Not Depl | Unlock | Deployed | Unlock | Not Depl |
| 37951 | 916 | 155.5 | 159.5 | 37.83 | 32.95 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37952 | 908 | 149.5 | 153 | 47.59 | 37.71 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37953 | 904 | 141 | 146 | 64.11 | 52.6 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37954 | 896 | 133.5 | 139 | 78.25 | 69.11 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37955 | 896 | 128 | 132 | 87.13 | 80.37 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37956 | 896 | 119 | 124 | 89.26 | 82.87 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37957 | 900 | 110 | 115 | 87.88 | 82.87 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37958 | 904 | 102 | 106 | 86.88 | 82.87 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37959 | 908 | 96 | 97 | 86.5 | 82.87 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37960 | 908 | 81.5 | 87.5 | 86.5 | 82.87 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37961 | 908 | 71.5 | 78 | 86.5 | 82.87 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |

| FDR | ALTITUDE | CAS | Ground- speed | N1 Eng 1 | N1 Eng 2 | T/R Unlock R | T/R Dep R OUTBRD | T/R Unlock R | T/R Dep R | T/R Unlock L | T/R Dep L | T/R Unlock L | T/R Dep L OUTBRD |
|-------------------------------|----------|---------|------------------|-------------|-------------|-----------------|---------------------|-----------------|--------------|-----------------|--------------|-----------------|---------------------|
| ELAPSED TIME IN SECONDS | (FEET) | (knots) | (knots) | (%) | (%) | OUTBD | | INBRD | INBOARD | INBD | INBOARD | OUTBD | |
| 37962 | 908 | 64 | 68.5 | 86.38 | 83 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37963 | 912 | 55 | 59 | 86.75 | 83.88 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37964 | 908 | 45 | 50 | 87.13 | 84.25 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37965 | 912 | 45 | 41.5 | 87.13 | 84.38 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37966 | 904 | 45 | 34.5 | 87.13 | 84.38 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37967 | 920 | 45 | 26 | 87.38 | 84.38 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37968 | 924 | 45 | 20 | 85.13 | 77.37 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37969 | 924 | 45 | 13.5 | 35.45 | 62.6 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37970 | 924 | 45 | 11 | 74.99 | 59.98 | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37971 | 924 | 45 | 9 | 62.35 | 53.72 | Unlock | Not Depl | Unlock | Deployed | Unlock | Deployed | Unlock | Deployed |
| 37972 | 924 | 511.5 | 7 | 58.98 | 48.59 | Unlock | Not Depl | Unlock | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37973 | 924 | 45 | 4.5 | 54.35 | 44.21 | Unlock | Not Depl | Unlock | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37974 | 924 | 511.5 | 0.5 | 47.09 | 40.96 | Unlock | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37975 | 924 | 45 | 0.5 | 41.83 | 38.71 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37976 | 924 | 511.5 | 0.5 | 38.21 | 36.95 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37977 | 924 | 45 | 0.5 | 35.7 | 35.58 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37978 | 924 | 511.5 | 0.5 | 34.45 | 34.2 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37979 | 924 | 45 | 0.5 | 33.08 | 32.58 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37980 | 924 | 511.5 | 0.5 | 31.57 | 30.95 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37981 | 924 | 45 | 0.5 | 29.95 | 29.45 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37982 | 924 | 511.5 | 0.5 | 28.45 | 28.2 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37983 | 924 | 45 | 0.5 | 27.07 | 26.07 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37984 | 924 | 511.5 | 0.5 | 24.19 | 23.32 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37985 | 924 | 45 | 0.5 | 21.56 | 20.81 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |
| 37986 | 924 | 511.5 | 0.5 | 19.31 | 18.94 | Locked | Not Depl | Locked | Not Depl | Unlock | Not Depl | Unlock | Not Depl |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | Left | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd:mm:ss) | (dd:mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37690 | 5456 | 241.5 | N34°19'46.32" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37691 | 5428 | 241.5 | N34°19'46.32" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | 2 | 6 | 48 | |
| 37692 | 5404 | 241.5 | N34°19'36.43" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37693 | 5380 | 241 | N34°19'36.43" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | | | | 2281 |
| 37694 | 5380 | 240.5 | N34°19'26.54" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37695 | 5340 | 240.5 | N34°19'26.54" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | 2 | 6 | 52 | |
| 37696 | 5320 | 241 | N34°19'16.66" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37697 | 5300 | 240.5 | N34°19'16.66" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | | | | 2282 |
| 37698 | 5284 | 239 | N34°19'16.66" | W118°35'40.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37699 | 5272 | 239 | N34°19'06.77" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | 2 | 6 | 56 | |
| 37700 | 5260 | 239 | N34°19'06.77" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37701 | 5248 | 238 | N34°18'56.88" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | | | | 2283 |
| 37702 | 5240 | 238.5 | N34°18'56.88" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37703 | 5232 | 238.5 | N34°18'46.99" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 0 | |
| 37704 | 5224 | 237.5 | N34°18'46.99" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37705 | 5220 | 237 | N34°18'46.99" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | | | | 2284 |
| 37706 | 5220 | 236 | N34°18'37.10" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37707 | 5220 | 235 | N34°18'37.10" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 4 | |
| 37708 | 5220 | 234.5 | N34°18'27.22" | W118°35'30.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37709 | 5224 | 234 | N34°18'27.22" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | 2285 |
| 37710 | 5228 | 233.5 | N34°18'17.33" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37711 | 5232 | 232.5 | N34°18'17.33" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 8 | |
| 37712 | 5236 | 232.5 | N34°18'17.33" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37713 | 5240 | 232.5 | N34°18'07.44" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | 2286 |
| 37714 | 5244 | 232.5 | N34°18'07.44" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37715 | 5248 | 232.5 | N34°17'57.55" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 12 | |
| 37716 | 5252 | 232.5 | N34°17'57.55" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37717 | 5256 | 232 | N34°17'57.55" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | 2287 |
| 37718 | 5256 | 231.5 | N34°17'47.66" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37719 | 5260 | 232 | N34°17'47.66" | W118°35'20.91" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 16 | |
| 37720 | 5260 | 231.5 | N34°17'37.78" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37721 | 5264 | 231 | N34°17'37.78" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | 2288 |
| 37722 | 5264 | 230.5 | N34°17'27.89" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37723 | 5264 | 229 | N34°17'27.89" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 20 | |
| 37724 | 5280 | 229 | N34°17'27.89" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37725 | 5260 | 229.5 | N34°17'18.00" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | 2289 |
| 37726 | 5256 | 230.5 | N34°17'18.00" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37727 | 5256 | 231 | N34°17'08.12" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 24 | |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | Left | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd.mm:ss) | (dd.mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37728 | 5252 | 231 | N34°17'08.12" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37729 | 5252 | 230 | N34°17'08.12" | W118°35'11.03" | Not Keyed | Not Keyed | Not Keyed | | | | 2290 |
| 37730 | 5252 | 230.5 | N34°16'58.23" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37731 | 5248 | 231.5 | N34°16'58.23" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 28 | |
| 37732 | 5248 | 231.5 | N34°16'48.34" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37733 | 5248 | 231 | N34°16'48.34" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | | | | 2291 |
| 37734 | 5248 | 231.5 | N34°16'38.45" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37735 | 5252 | 230 | N34°16'38.45" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 32 | |
| 37736 | 5252 | 230.5 | N34°16'38.45" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37737 | 5252 | 230 | N34°16'28.56" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | | | | 2292 |
| 37738 | 5256 | 230.5 | N34°16'28.56" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37739 | 5256 | 231.5 | N34°16'18.68" | W118°35'01.12" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 36 | |
| 37740 | 5260 | 232 | N34°16'18.68" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37741 | 5260 | 231.5 | N34°16'18.68" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | 2293 |
| 37742 | 5264 | 231.5 | N34°16'08.79" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37743 | 5264 | 231.5 | N34°16'08.79" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 40 | |
| 37744 | 5264 | 231 | N34°15'58.90" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37745 | 5268 | 231.5 | N34°15'58.90" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | 2294 |
| 37746 | 5268 | 232 | N34°15'49.02" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37747 | 5264 | 232 | N34°15'49.02" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 44 | |
| 37748 | 5264 | 231 | N34°15'49.02" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37749 | 5260 | 232 | N34°15'39.12" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | 2295 |
| 37750 | 5260 | 231.5 | N34°15'39.12" | W118°34'51.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37751 | 5256 | 232.5 | N34°15'29.23" | W118°34'41.38" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 48 | |
| 37752 | 5252 | 232 | N34°15'29.23" | W118°34'41.38" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37753 | 5248 | 232 | N34°15'29.23" | W118°34'41.38" | Not Keyed | Not Keyed | Not Keyed | | | | 2296 |
| 37754 | 5244 | 230.5 | N34°15'19.35" | W118°34'41.38" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37755 | 5240 | 231.5 | N34°15'19.35" | W118°34'41.38" | Not Keyed | Not Keyed | Not Keyed | 2 | 7 | 52 | |
| 37756 | 5236 | 230.5 | N34°15'09.46" | W118°34'41.38" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37757 | 5228 | 229 | N34°15'09.46" | W118°34'41.38" | Keyed | Not Keyed | Not Keyed | | | | 2297 |
| 37758 | 5224 | 229.5 | N34°14'59.58" | W118°34'41.38" | Keyed | Not Keyed | Not Keyed | | | | |
| 37759 | 5220 | 228 | N34°14'59.58" | W118°34'41.38" | Keyed | Not Keyed | Not Keyed | 2 | 7 | 56 | |
| 37760 | 5216 | 227.5 | N34°14'59.58" | W118°34'41.38" | Keyed | Not Keyed | Not Keyed | | | | |
| 37761 | 5208 | 227 | N34°14'49.69" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | 2298 |
| 37762 | 5200 | 226 | N34°14'49.69" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37763 | 5188 | 226 | N34°14'39.80" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 0 | |
| 37764 | 5172 | 224 | N34°14'39.80" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37765 | 5152 | 224 | N34°14'39.80" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | 2299 |
| 37766 | 5132 | 224 | N34°14'29.91" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | L-ft | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd:mm:ss) | (dd:mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37767 | 5112 | 223.5 | N34°14'29.91" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 4 | |
| 37768 | 5092 | 224 | N34°14'20.02" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37769 | 5068 | 223.5 | N34°14'20.02" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | 2300 |
| 37770 | 5044 | 223.5 | N34°14'20.02" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37771 | 5020 | 223 | N34°14'10.13" | W118°34'31.47" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 8 | |
| 37772 | 4996 | 223.5 | N34°14'10.13" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37773 | 4968 | 223.5 | N34°14'00.25" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | 2301 |
| 37774 | 4936 | 223.5 | N34°14'00.25" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37775 | 4908 | 224.5 | N34°13'50.36" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 12 | |
| 37776 | 4876 | 225 | N34°13'50.36" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37777 | 4844 | 225.5 | N34°13'50.36" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | 2302 |
| 37778 | 4812 | 226 | N34°13'40.48" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37779 | 4780 | 226 | N34°13'40.48" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 16 | |
| 37780 | 4748 | 226 | N34°13'30.59" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37781 | 4716 | 227 | N34°13'30.59" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | 2303 |
| 37782 | 4684 | 228 | N34°13'30.59" | W118°34'21.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37783 | 4652 | 228.5 | N34°13'20.70" | W118°34'11.69" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 20 | |
| 37784 | 4620 | 228.5 | N34°13'20.70" | W118°34'11.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37785 | 4588 | 228.5 | N34°13'10.81" | W118°34'11.69" | Not Keyed | Not Keyed | Not Keyed | | | | 2304 |
| 37786 | 4560 | 228.5 | N34°13'10.81" | W118°34'11.69" | Keyed | Not Keyed | Not Keyed | | | | |
| 37787 | 4528 | 229 | N34°13'10.81" | W118°34'11.69" | Keyed | Not Keyed | Not Keyed | 2 | 8 | 24 | |
| 37788 | 4496 | 230 | N34°13'00.92" | W118°34'11.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37789 | 4464 | 230.5 | N34°13'00.92" | W118°34'11.69" | Not Keyed | Not Keyed | Not Keyed | | | | 2305 |
| 37790 | 4432 | 231.5 | N34°12'51.03" | W118°34'11.69" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37791 | 4404 | 232 | N34°12'51.03" | W118°34'11.69" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 28 | |
| 37792 | 4372 | 232.5 | N34°12'41.15" | W118°34'11.69" | Keyed | Not Keyed | Not Keyed | | | | |
| 37793 | 4344 | 233.5 | N34°12'41.15" | W118°34'11.69" | Keyed | Not Keyed | Not Keyed | | | | 2306 |
| 37794 | 4312 | 233.5 | N34°12'41.15" | W118°34'01.81" | Keyed | Not Keyed | Not Keyed | | | | |
| 37795 | 4284 | 233.5 | N34°12'31.26" | W118°34'01.81" | Keyed | Not Keyed | Not Keyed | 2 | 8 | 32 | |
| 37796 | 4252 | 233.5 | N34°12'31.26" | W118°34'01.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37797 | 4220 | 234 | N34°12'21.38" | W118°34'01.81" | Not Keyed | Not Keyed | Not Keyed | | | | 2307 |
| 37798 | 4192 | 234 | N34°12'21.38" | W118°34'01.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37799 | 4164 | 234 | N34°12'21.38" | W118°34'01.81" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 36 | |
| 37800 | 4132 | 234.5 | N34°12'11.48" | W118°34'01.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37801 | 4104 | 235 | N34°12'11.48" | W118°34'01.81" | Not Keyed | Not Keyed | Not Keyed | | | | 2308 |
| 37802 | 4076 | 235 | N34°12'01.59" | W118°34'01.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37803 | 4048 | 235.5 | N34°12'01.59" | W118°33'51.91" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 40 | |
| 37804 | 4020 | 236.5 | N34°11'51.71" | W118°33'51.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37805 | 3988 | 237 | N34°11'51.71" | W118°33'51.91" | Not Keyed | Not Keyed | Not Keyed | | | | 2309 |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | Left | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd:mm:ss) | (dd:mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37806 | 3960 | 236 | N34°11'51.71" | W118°33'51.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37807 | 3932 | 236.5 | N34°11'41.82" | W118°33'51.91" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 44 | |
| 37808 | 3900 | 236.5 | N34°11'41.82" | W118°33'51.91" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37809 | 3868 | 236 | N34°11'31.93" | W118°33'42.03" | Not Keyed | Not Keyed | Not Keyed | | | | 2310 |
| 37810 | 3840 | 235.5 | N34°11'31.93" | W118°33'42.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37811 | 3808 | 236 | N34°11'31.93" | W118°33'42.03" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 48 | |
| 37812 | 3780 | 235.5 | N34°11'22.05" | W118°33'42.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37813 | 3752 | 235.5 | N34°11'22.05" | W118°33'32.16" | Not Keyed | Not Keyed | Not Keyed | | | | 2311 |
| 37814 | 3724 | 235 | N34°11'22.05" | W118°33'32.16" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37815 | 3700 | 235 | N34°11'12.16" | W118°33'32.16" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 52 | |
| 37816 | 3680 | 235 | N34°11'12.16" | W118°33'22.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37817 | 3660 | 235 | N34°11'12.16" | W118°33'22.25" | Not Keyed | Not Keyed | Not Keyed | | | | 2312 |
| 37818 | 3648 | 235 | N34°11'02.27" | W118°33'22.25" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37819 | 3632 | 235 | N34°11'02.27" | W118°33'12.38" | Not Keyed | Not Keyed | Not Keyed | 2 | 8 | 56 | |
| 37820 | 3624 | 235 | N34°11'02.27" | W118°33'12.38" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37821 | 3608 | 233.5 | N34°10'52.38" | W118°33'02.47" | Not Keyed | Not Keyed | Not Keyed | | | | 2313 |
| 37822 | 3600 | 233 | N34°10'52.38" | W118°33'02.47" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37823 | 3588 | 232.5 | N34°10'52.38" | W118°32'52.59" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 0 | |
| 37824 | 3576 | 230 | N34°10'52.38" | W118°32'52.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37825 | 3564 | 230.5 | N34°10'42.49" | W118°32'52.59" | Not Keyed | Not Keyed | Not Keyed | | | | 2314 |
| 37826 | 3556 | 229 | N34°10'42.49" | W118°32'42.72" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37827 | 3548 | 230.5 | N34°10'42.49" | W118°32'42.72" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 4 | |
| 37828 | 3540 | 229 | N34°10'42.49" | W118°32'32.81" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37829 | 3532 | 232 | N34°10'42.49" | W118°32'32.81" | Not Keyed | Not Keyed | Not Keyed | | | | 2315 |
| 37830 | 3524 | 229 | N34°10'42.49" | W118°32'22.94" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37831 | 3516 | 229 | N34°10'32.61" | W118°32'22.94" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 8 | |
| 37832 | 3508 | 227.5 | N34°10'32.61" | W118°32'13.03" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37833 | 3496 | 227 | N34°10'32.61" | W118°32'13.03" | Not Keyed | Not Keyed | Not Keyed | | | | 2316 |
| 37834 | 3488 | 229 | N34°10'32.61" | W118°32'03.16" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37835 | 3480 | 227.5 | N34°10'32.61" | W118°31'53.28" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 12 | |
| 37836 | 3468 | 228 | N34°10'32.61" | W118°31'53.28" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37837 | 3456 | 226.5 | N34°10'32.61" | W118°31'43.38" | Not Keyed | Not Keyed | Not Keyed | | | | 2317 |
| 37838 | 3444 | 223.5 | N34°10'32.61" | W118°31'43.38" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37839 | 3436 | 225.5 | N34°10'32.61" | W118°31'33.50" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 16 | |
| 37840 | 3428 | 230 | N34°10'32.61" | W118°31'33.50" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37841 | 3420 | 225.5 | N34°10'32.61" | W118°31'23.59" | Not Keyed | Not Keyed | Not Keyed | | | | 2318 |
| 37842 | 3408 | 224 | N34°10'32.61" | W118°31'23.59" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37843 | 3392 | 223 | N34°10'32.61" | W118°31'13.72" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 20 | |
| 37844 | 3380 | 223.5 | N34°10'32.61" | W118°31'13.72" | Not Keyed | Not Keyed | Not Keyed | | | | |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | Left | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd:mm:ss) | (dd:mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37845 | 3364 | 224 | N34°10'32.61" | W118°31'03.84" | Not Keyed | Not Keyed | Not Keyed | | | | 2319 |
| 37846 | 3352 | 222 | N34°10'42.49" | W118°31'03.84" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37847 | 3336 | 223 | N34°10'42.49" | W118°30'53.94" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 24 | |
| 37848 | 3324 | 223.5 | N34°10'42.49" | W118°30'53.94" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37849 | 3312 | 220.5 | N34°10'42.49" | W118°30'44.06" | Not Keyed | Not Keyed | Not Keyed | | | | 2320 |
| 37850 | 3296 | 220 | N34°10'42.49" | W118°30'44.06" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37851 | 3284 | 221 | N34°10'42.49" | W118°30'34.16" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 28 | |
| 37852 | 3272 | 222.5 | N34°10'42.49" | W118°30'34.16" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37853 | 3256 | 221 | N34°10'42.49" | W118°30'24.28" | Not Keyed | Not Keyed | Not Keyed | | | | 2321 |
| 37854 | 3248 | 221.5 | N34°10'42.49" | W118°30'24.28" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37855 | 3244 | 219 | N34°10'52.38" | W118°30'14.41" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 32 | |
| 37856 | 3236 | 219 | N34°10'52.38" | W118°30'14.41" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37857 | 3232 | 220.5 | N34°10'52.38" | W118°30'04.50" | Not Keyed | Not Keyed | Not Keyed | | | | 2322 |
| 37858 | 3228 | 220.5 | N34°10'52.38" | W118°30'04.50" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37859 | 3228 | 219.5 | N34°10'52.38" | W118°29'54.62" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 36 | |
| 37860 | 3228 | 223.5 | N34°10'52.38" | W118°29'54.62" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37861 | 3232 | 224.5 | N34°10'52.38" | W118°29'44.72" | Not Keyed | Not Keyed | Not Keyed | | | | 2323 |
| 37862 | 3236 | 218.5 | N34°10'52.38" | W118°29'44.72" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37863 | 3240 | 215.5 | N34°10'52.38" | W118°29'34.84" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 40 | |
| 37864 | 3244 | 214 | N34°11'02.27" | W118°29'34.84" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37865 | 3244 | 213.5 | N34°11'02.27" | W118°29'34.84" | Not Keyed | Not Keyed | Not Keyed | | | | 2324 |
| 37866 | 3248 | 213.5 | N34°11'02.27" | W118°29'24.97" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37867 | 3252 | 211 | N34°11'02.27" | W118°29'24.97" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 44 | |
| 37868 | 3248 | 210.5 | N34°11'02.27" | W118°29'15.06" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37869 | 3248 | 209.5 | N34°11'02.27" | W118°29'15.06" | Keyed | Not Keyed | Not Keyed | | | | 2325 |
| 37870 | 3244 | 206.5 | N34°11'02.27" | W118°29'05.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37871 | 3240 | 205.5 | N34°11'02.27" | W118°29'05.19" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 48 | |
| 37872 | 3236 | 205 | N34°11'02.27" | W118°28'55.28" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37873 | 3244 | 204.5 | N34°11'02.27" | W118°28'55.28" | Not Keyed | Not Keyed | Not Keyed | | | | 2326 |
| 37874 | 3244 | 206 | N34°11'12.16" | W118°28'45.41" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37875 | 3240 | 206 | N34°11'12.16" | W118°28'45.41" | Not Keyed | Not Keyed | Not Keyed | 2 | 9 | 52 | |
| 37876 | 3244 | 201.5 | N34°11'12.16" | W118°28'35.50" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37877 | 3244 | 198 | N34°11'12.16" | W118°28'35.50" | Not Keyed | Not Keyed | Not Keyed | | | | 2327 |
| 37878 | 3244 | 196 | N34°11'12.16" | W118°28'35.50" | Keyed | Not Keyed | Not Keyed | | | | |
| 37879 | 3240 | 192.5 | N34°11'12.16" | W118°28'25.62" | Keyed | Not Keyed | Not Keyed | 2 | 9 | 56 | |
| 37880 | 3232 | 193 | N34°11'12.16" | W118°28'25.62" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37881 | 3220 | 191 | N34°11'12.16" | W118°28'15.75" | Not Keyed | Not Keyed | Not Keyed | | | | 2328 |
| 37882 | 3208 | 189 | N34°11'12.16" | W118°28'15.75" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37883 | 3188 | 190 | N34°11'12.16" | W118°28'05.84" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 0 | |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | Left | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd:mm:ss) | (dd:mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37884 | 3172 | 188.5 | N34°11'22.05" | W118°28'05.84" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37885 | 3148 | 189.5 | N34°11'22.05" | W118°28'05.84" | Not Keyed | Not Keyed | Not Keyed | | | | 2329 |
| 37886 | 3128 | 190 | N34°11'22.05" | W118°27'55.97" | Keyed | Not Keyed | Not Keyed | | | | |
| 37887 | 3100 | 189.5 | N34°11'22.05" | W118°27'55.97" | Keyed | Not Keyed | Not Keyed | 2 | 10 | 4 | |
| 37888 | 3076 | 189 | N34°11'22.05" | W118°27'46.06" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37889 | 3044 | 189 | N34°11'22.05" | W118°27'46.06" | Not Keyed | Not Keyed | Not Keyed | | | | 2330 |
| 37890 | 3016 | 189 | N34°11'22.05" | W118°27'36.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37891 | 2990 | 189.5 | N34°11'22.05" | W118°27'36.19" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 8 | |
| 37892 | 2948 | 187 | N34°11'22.05" | W118°27'36.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37893 | 2916 | 187.5 | N34°11'22.05" | W118°27'26.31" | Not Keyed | Not Keyed | Not Keyed | | | | 2331 |
| 37894 | 2880 | 189.5 | N34°11'22.05" | W118°27'26.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37895 | 2844 | 188.5 | N34°11'22.05" | W118°27'16.41" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 12 | |
| 37896 | 2808 | 188 | N34°11'22.05" | W118°27'16.41" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37897 | 2772 | 186.5 | N34°11'22.05" | W118°27'06.50" | Not Keyed | Not Keyed | Not Keyed | | | | 2332 |
| 37898 | 2736 | 190.5 | N34°11'22.05" | W118°27'06.50" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37899 | 2700 | 187.5 | N34°11'22.05" | W118°27'06.50" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 16 | |
| 37900 | 2668 | 182.5 | N34°11'22.05" | W118°26'56.62" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37901 | 2632 | 186 | N34°11'22.05" | W118°26'56.62" | Not Keyed | Not Keyed | Not Keyed | | | | 2333 |
| 37902 | 2592 | 186 | N34°11'12.16" | W118°26'46.72" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37903 | 2548 | 184.5 | N34°11'12.16" | W118°26'46.72" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 20 | |
| 37904 | 2496 | 185.5 | N34°11'12.16" | W118°26'46.72" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37905 | 2440 | 187 | N34°11'12.16" | W118°26'36.84" | Not Keyed | Not Keyed | Not Keyed | | | | 2334 |
| 37906 | 2384 | 187 | N34°11'12.16" | W118°26'36.84" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37907 | 2332 | 190 | N34°11'12.16" | W118°26'26.94" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 24 | |
| 37908 | 2284 | 190.5 | N34°11'12.16" | W118°26'26.94" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37909 | 2232 | 190.5 | N34°11'12.16" | W118°26'26.94" | Not Keyed | Not Keyed | Not Keyed | | | | 2335 |
| 37910 | 2184 | 189.5 | N34°11'12.16" | W118°26'17.06" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37911 | 2132 | 194 | N34°11'12.16" | W118°26'17.06" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 28 | |
| 37912 | 2084 | 197.5 | N34°11'12.16" | W118°26'07.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37913 | 2040 | 196 | N34°11'12.16" | W118°26'07.19" | Not Keyed | Not Keyed | Not Keyed | | | | 2336 |
| 37914 | 1992 | 197.5 | N34°11'12.16" | W118°25'57.28" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37915 | 1944 | 197 | N34°11'12.16" | W118°25'57.28" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 32 | |
| 37916 | 1900 | 196 | N34°11'12.16" | W118°25'57.28" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37917 | 1856 | 195 | N34°11'12.16" | W118°25'47.41" | Not Keyed | Not Keyed | Not Keyed | | | | 2337 |
| 37918 | 1816 | 194.5 | N34°11'12.16" | W118°25'47.41" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37919 | 1772 | 197 | N34°11'12.16" | W118°25'37.50" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 36 | |
| 37920 | 1736 | 200 | N34°11'12.16" | W118°25'37.50" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37921 | 1704 | 197.5 | N34°11'12.16" | W118°25'27.62" | Not Keyed | Not Keyed | Not Keyed | | | | 2338 |
| 37922 | 1668 | 197.5 | N34°11'12.16" | W118°25'27.62" | Not Keyed | Not Keyed | Not Keyed | | | | |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | Left | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd:mm:ss) | (dd:mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37923 | 1632 | 193.5 | N34°11'12.16" | W118°25'27.62" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 40 | |
| 37924 | 1600 | 197 | N34°11'12.16" | W118°25'17.72" | Keyed | Not Keyed | Not Keyed | | | | |
| 37925 | 1560 | 197 | N34°11'12.16" | W118°25'17.72" | Keyed | Not Keyed | Not Keyed | | | | 2339 |
| 37926 | 1524 | 197 | N34°11'12.16" | W118°25'07.84" | Keyed | Not Keyed | Not Keyed | | | | |
| 37927 | 1488 | 195.5 | N34°11'12.16" | W118°25'07.84" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 44 | |
| 37928 | 1456 | 195.5 | N34°11'12.16" | W118°25'07.84" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37929 | 1416 | 195 | N34°11'12.16" | W118°24'57.97" | Not Keyed | Not Keyed | Not Keyed | | | | 2340 |
| 37930 | 1372 | 197 | N34°11'12.16" | W118°24'57.97" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37931 | 1332 | 197 | N34°11'12.16" | W118°24'48.06" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 48 | |
| 37932 | 1288 | 197 | N34°11'12.16" | W118°24'48.06" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37933 | 1244 | 196 | N34°11'12.16" | W118°24'38.19" | Not Keyed | Not Keyed | Not Keyed | | | | 2341 |
| 37934 | 1208 | 199.5 | N34°11'12.16" | W118°24'38.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37935 | 1176 | 197.5 | N34°11'12.16" | W118°24'38.19" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 52 | |
| 37936 | 1140 | 198 | N34°11'12.16" | W118°24'28.28" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37937 | 1112 | 196 | N34°11'12.16" | W118°24'28.28" | Not Keyed | Not Keyed | Not Keyed | | | | 2342 |
| 37938 | 1080 | 192 | N34°11'12.16" | W118°24'18.41" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37939 | 1056 | 193.5 | N34°11'12.16" | W118°24'18.41" | Not Keyed | Not Keyed | Not Keyed | 2 | 10 | 56 | |
| 37940 | 1024 | 191.5 | N34°11'12.16" | W118°24'18.41" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37941 | 996 | 189.5 | N34°11'12.16" | W118°24'08.53" | Not Keyed | Not Keyed | Not Keyed | | | | 2343 |
| 37942 | 972 | 188.5 | N34°11'12.16" | W118°24'08.53" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37943 | 952 | 186.5 | N34°11'12.16" | W118°23'58.62" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 0 | |
| 37944 | 940 | 185.5 | N34°11'12.16" | W118°23'58.62" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37945 | 940 | 183.5 | N34°11'12.16" | W118°23'58.62" | Not Keyed | Not Keyed | Not Keyed | | | | 2344 |
| 37946 | 940 | 182 | N34°11'12.16" | W118°23'48.75" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37947 | 944 | 179.5 | N34°11'12.16" | W118°23'48.75" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 4 | |
| 37948 | 936 | 175.5 | N34°11'12.16" | W118°23'48.75" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37949 | 940 | 169.5 | N34°11'12.16" | W118°23'38.84" | Not Keyed | Not Keyed | Not Keyed | | | | 2345 |
| 37950 | 920 | 164.5 | N34°11'12.16" | W118°23'38.84" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37951 | 916 | 155.5 | N34°11'12.16" | W118°23'28.97" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 8 | |
| 37952 | 908 | 149.5 | N34°11'12.16" | W118°23'28.97" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37953 | 904 | 141 | N34°11'12.16" | W118°23'28.97" | Not Keyed | Not Keyed | Not Keyed | | | | 2346 |
| 37954 | 896 | 133.5 | N34°11'12.16" | W118°23'19.09" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37955 | 896 | 128 | N34°11'12.16" | W118°23'19.09" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 12 | |
| 37956 | 896 | 119 | N34°11'12.16" | W118°23'19.09" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37957 | 900 | 110 | N34°11'12.16" | W118°23'19.09" | Not Keyed | Not Keyed | Not Keyed | | | | 2347 |
| 37958 | 904 | 102 | N34°11'12.16" | W118°23'09.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37959 | 908 | 96 | N34°11'12.16" | W118°23'09.19" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 16 | |
| 37960 | 908 | 81.5 | N34°11'12.16" | W118°23'09.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37961 | 908 | 71.5 | N34°11'12.16" | W118°23'09.19" | Not Keyed | Not Keyed | Not Keyed | | | | 2348 |

| FDR | ALTITUDE | CAS | Latitude | Longitude | VHF | VHF | VHF | GMT | GMT | GMT | Frame |
|---------|----------|---------|---------------|----------------|-----------|-----------|-----------|-------|---------|---------|----------|
| ELAPSED | | | | | Keying | Keying | Keying | Hours | Minutes | Seconds | Counter |
| TIME IN | | | | | Left | Center | Right | | | | |
| SECONDS | (FEET) | (knots) | (dd.mm:ss) | (dd.mm:ss) | | | | (hrs) | (min) | (sec) | (counts) |
| 37962 | 908 | 64 | N34°11'12.16" | W118°23'09.19" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37963 | 912 | 55 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 20 | |
| 37964 | 908 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | 2349 |
| 37965 | 912 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37966 | 904 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37967 | 920 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 24 | |
| 37968 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | 2350 |
| 37969 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37970 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37971 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 28 | |
| 37972 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | 2351 |
| 37973 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37974 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37975 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 32 | |
| 37976 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | 2352 |
| 37977 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37978 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37979 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 36 | |
| 37980 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | 2353 |
| 37981 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37982 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | | | | |
| 37983 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Not Keyed | Not Keyed | Not Keyed | 2 | 11 | 40 | |
| 37984 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Keyed | Not Keyed | Not Keyed | | | | 2354 |
| 37985 | 924 | 45 | N34°11'12.16" | W118°22'59.31" | Keyed | Not Keyed | Not Keyed | | | | |
| 37986 | 924 | 511.5 | N34°11'12.16" | W118°22'59.31" | Keyed | Not Keyed | Not Keyed | | | | |

| FDR | LNAV | ALT | MCP | A/P | HDG | Flare | VNAV | Lcl | CWS A | CWS B | CMD A | CMD B | CWS | CWS | V/S | ALT | Level | Single |
|---------|------|---------|-------|-----|--------|--------|------|-------|-------|-------|--------|-------|-------|------|--------|--------|--------|--------|
| Elapsed | Mode | Acquire | Speed | Off | Select | Engage | Mode | Lmtd | | | | | Pitch | Roll | Mode | Hold | Change | Chnrl |
| Time in | Op | | 2 | | | | Op | Mstr | | | | | | | | | | |
| Seconds | | | | | | | | | | | | | | | | | | |
| 37690 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37691 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37692 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37693 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37694 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37695 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37696 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37697 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37698 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37699 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37700 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37701 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37702 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37703 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37704 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37705 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37706 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37707 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37708 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37709 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37710 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37711 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37712 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37713 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37714 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37715 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37716 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37717 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37718 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37719 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37720 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37721 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37722 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37723 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37724 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37725 | Not | Not | Not | On | Engage | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |

| FDR | LNAV | ALT | MCP | A/P | HDG | Flare | VNAV | Lcl | CWS A | CWS B | CMD A | CMD B | CWS | CWS | V/S | ALT | Level | Single |
|---------|------|---------|-------|-----|--------|--------|------|-------|-------|-------|--------|-------|-------|------|--------|--------|--------|--------|
| Elapsed | Mode | Acquire | Speed | Off | Select | Engage | Mode | Lmtd | | | | | Pitch | Roll | Mode | Hold | Change | Chnrl |
| Time in | Op | | 2 | | | | Op | Mstr | | | | | | | | | | |
| Seconds | | | | | | | | | | | | | | | | | | |
| 37840 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37841 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37842 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37843 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37844 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37845 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37846 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37847 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37848 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37849 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Engage | Not | No Lvl | Not |
| 37850 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37851 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37852 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37853 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37854 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37855 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37856 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Not | No Lvl | Not |
| 37857 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37858 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37859 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37860 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37861 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37862 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37863 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37864 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37865 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37866 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37867 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37868 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37869 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37870 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37871 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37872 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37873 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37874 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Engage | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37875 | Not | Not | Not | On | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37876 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37877 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |

| FDR | LNAV | ALT | MCP | A/P | HDG | Flare | VNAV | Lcl | CWS A | CWS B | CMD A | CMD B | CWS | CWS | V/S | ALT | Level | Single |
|-----------------|------|---------|-------|-----|--------|--------|------|-------|-------|-------|-------|-------|-------|------|------|--------|--------|--------|
| Elapsed | Mode | Acquire | Speed | Off | Select | Engage | Mode | Lmtd | | | | | Pitch | Roll | Mode | Hold | Change | Chnml |
| Time in Seconds | Op | | 2 | | | | Op | Mstr | | | | | | | | | | |
| 37954 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37955 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37956 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37957 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37958 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37959 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37960 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37961 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37962 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37963 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37964 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37965 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37966 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37967 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37968 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37969 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37970 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37971 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37972 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37973 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37974 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37975 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37976 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37977 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37978 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37979 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37980 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37981 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37982 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37983 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37984 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37985 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |
| 37986 | Not | Not | Not | Off | Not | Not | Not | FCC R | Not | Not | Not | Not | Not | Not | Not | Engage | No Lvl | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time in | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (In Hg) | (mb) | (degs. C) | | | | | | |
| 37690 | 5456 | | | | 7.25 | NOT | Not | Not | On | Off | Not |
| 37691 | 5428 | | | | 7.5 | NOT | Not | Not | On | Off | Not |
| 37692 | 5404 | | | | 7.5 | NOT | Not | Not | On | Off | Not |
| 37693 | 5380 | | | | 7.5 | NOT | Not | Not | On | Off | Not |
| 37694 | 5360 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37695 | 5340 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37696 | 5320 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37697 | 5300 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37698 | 5284 | | | | 8 | NOT | Not | Not | On | Off | Not |
| 37699 | 5272 | | | | 8 | NOT | Not | Not | On | Off | Not |
| 37700 | 5260 | | | | 8 | NOT | Not | Not | On | Off | Not |
| 37701 | 5248 | | | | 8 | NOT | Not | Not | On | Off | Not |
| 37702 | 5240 | | | | 8 | NOT | Not | Not | On | Off | Not |
| 37703 | 5232 | | | | 8 | NOT | Not | Not | On | Off | Not |
| 37704 | 5224 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37705 | 5220 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37706 | 5220 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37707 | 5220 | | | | 7.5 | NOT | Not | Not | On | Off | Not |
| 37708 | 5220 | | | | 7.5 | NOT | Not | Not | On | Off | Not |
| 37709 | 5224 | | | | 7.25 | NOT | Not | Not | On | Off | Not |
| 37710 | 5228 | | | | 7.25 | NOT | Not | Not | On | Off | Not |
| 37711 | 5232 | | | | 7 | NOT | Not | Not | On | Off | Not |
| 37712 | 5236 | | | | 7 | NOT | Not | Not | On | Off | Not |
| 37713 | 5240 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37714 | 5244 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37715 | 5248 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37716 | 5252 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37717 | 5256 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37718 | 5256 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37719 | 5260 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37720 | 5260 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37721 | 5264 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37722 | 5264 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37723 | 5264 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37724 | 5260 | | | | 6.25 | NOT | Not | Not | On | Off | Not |
| 37725 | 5260 | | | | 6.25 | NOT | Not | Not | On | Off | Not |
| 37726 | 5256 | | | | 6.25 | NOT | Not | Not | On | Off | Not |
| 37727 | 5256 | | | | 6.25 | NOT | Not | Not | On | Off | Not |
| 37728 | 5252 | | | | 6.25 | NOT | Not | Not | On | Off | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time in | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (in Hg) | (mb) | (degs C) | | | | | | |
| 37729 | 5252 | | | | 6.25 | NOT | Not | Not | On | Off | Not |
| 37730 | 5252 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37731 | 5248 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37732 | 5248 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37733 | 5248 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37734 | 5248 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37735 | 5252 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37736 | 5252 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37737 | 5252 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37738 | 5256 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37739 | 5256 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37740 | 5260 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37741 | 5260 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37742 | 5264 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37743 | 5264 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37744 | 5264 | | | 89.625 | 6.5 | NOT | Not | Not | On | Off | Not |
| 37745 | 5268 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37746 | 5268 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37747 | 5264 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37748 | 5264 | -1.5 | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37749 | 5260 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37750 | 5260 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37751 | 5256 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37752 | 5252 | | 24.656 | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37753 | 5248 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37754 | 5244 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37755 | 5240 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37756 | 5236 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37757 | 5228 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37758 | 5224 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37759 | 5220 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37760 | 5216 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37761 | 5208 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37762 | 5200 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37763 | 5188 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37764 | 5172 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37765 | 5152 | | | | 6.25 | NOT | Not | Not | On | Off | Not |
| 37766 | 5132 | | | | 6.5 | NOT | Not | Not | On | Off | Not |
| 37767 | 5112 | | | | 6.5 | NOT | Not | Not | On | Off | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time in | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (in Hg) | (mb) | (degs. C) | | | | | | |
| 37768 | 5092 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37769 | 5068 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37770 | 5044 | | | | 6.75 | NOT | Not | Not | On | Off | Not |
| 37771 | 5020 | | | | 7 | NOT | Not | Not | On | Off | Not |
| 37772 | 4996 | | | | 7 | NOT | Not | Not | On | Off | Not |
| 37773 | 4968 | | | | 7 | NOT | Not | Not | On | Off | Not |
| 37774 | 4936 | | | | 7 | NOT | Not | Not | On | Off | Not |
| 37775 | 4908 | | | | 7.25 | NOT | Not | Not | On | Off | Not |
| 37776 | 4876 | | | | 7.25 | NOT | Not | Not | On | Off | Not |
| 37777 | 4844 | | | | 7.5 | NOT | Not | Not | On | Off | Not |
| 37778 | 4812 | | | | 7.5 | NOT | Not | Not | On | Off | Not |
| 37779 | 4780 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37780 | 4748 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37781 | 4716 | | | | 7.75 | NOT | Not | Not | On | Off | Not |
| 37782 | 4684 | | | | 8 | NOT | Not | Not | On | Off | Not |
| 37783 | 4652 | | | | 8.25 | NOT | Not | Not | On | Off | Not |
| 37784 | 4620 | | | | 8.25 | NOT | Not | Not | On | Off | Not |
| 37785 | 4588 | | | | 8.5 | NOT | Not | Not | On | Off | Not |
| 37786 | 4560 | | | | 8.5 | NOT | Not | Not | On | Off | Not |
| 37787 | 4528 | | | | 8.75 | NOT | Not | Not | On | Off | Not |
| 37788 | 4496 | | | | 8.75 | NOT | Not | Not | On | Off | Not |
| 37789 | 4464 | | | | 8.75 | NOT | Not | Not | On | Off | Not |
| 37790 | 4432 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37791 | 4404 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37792 | 4372 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37793 | 4344 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37794 | 4312 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37795 | 4284 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37796 | 4252 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37797 | 4220 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37798 | 4192 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37799 | 4164 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37800 | 4132 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37801 | 4104 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37802 | 4076 | | | | 9 | NOT | Not | Not | On | Off | Not |
| 37803 | 4048 | | | | 9.25 | NOT | Not | Not | On | Off | Not |
| 37804 | 4020 | | | | 9.25 | NOT | Not | Not | On | Off | Not |
| 37805 | 3988 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37806 | 3960 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time in | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (in Hg) | (mb) | (degs. C) | | | | | | |
| 37807 | 3932 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37808 | 3900 | | | 93.625 | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37809 | 3868 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37810 | 3840 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37811 | 3808 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37812 | 3780 | 1.5 | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37813 | 3752 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37814 | 3724 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37815 | 3700 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37816 | 3680 | | 26.144 | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37817 | 3660 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37818 | 3648 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37819 | 3632 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37820 | 3624 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37821 | 3608 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37822 | 3600 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37823 | 3588 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37824 | 3576 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37825 | 3564 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37826 | 3556 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37827 | 3548 | | | | 10 | NOT | Engage | Not | On | Off | Not |
| 37828 | 3540 | | | | 10 | NOT | Engage | Not | On | Off | Not |
| 37829 | 3532 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37830 | 3524 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37831 | 3516 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37832 | 3508 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37833 | 3496 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37834 | 3488 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37835 | 3480 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37836 | 3468 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37837 | 3456 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37838 | 3444 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37839 | 3436 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37840 | 3428 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37841 | 3420 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37842 | 3408 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37843 | 3392 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37844 | 3380 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37845 | 3364 | | | | 9 | NOT | Engage | Not | On | Off | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time In | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (In Hg) | (mb) | (degs. C) | | | | | | |
| 37846 | 3352 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37847 | 3336 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37848 | 3324 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37849 | 3312 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37850 | 3296 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37851 | 3284 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37852 | 3272 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37853 | 3256 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37854 | 3248 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37855 | 3244 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37856 | 3236 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37857 | 3232 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37858 | 3228 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37859 | 3228 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37860 | 3228 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37861 | 3232 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37862 | 3236 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37863 | 3240 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37864 | 3244 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37865 | 3244 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37866 | 3248 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37867 | 3252 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37868 | 3248 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37869 | 3248 | | | | 8.75 | NOT | Engage | Not | On | Off | Not |
| 37870 | 3244 | | | | 8.75 | NOT | Engage | Not | On | Off | Not |
| 37871 | 3240 | | | | 8.75 | NOT | Engage | Not | On | Off | Not |
| 37872 | 3236 | | | 70.125 | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37873 | 3244 | | | | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37874 | 3244 | | | | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37875 | 3240 | | | | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37876 | 3244 | 2.75 | | | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37877 | 3244 | | | | 8.25 | NOT | Engage | Not | On | Off | Not |
| 37878 | 3244 | | | | 8.25 | NOT | Engage | Not | On | Off | Not |
| 37879 | 3240 | | | | 8 | NOT | Engage | Not | On | Off | Not |
| 37880 | 3232 | | 26.576 | | 8 | NOT | Engage | Not | On | Off | Not |
| 37881 | 3220 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37882 | 3208 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37883 | 3188 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37884 | 3172 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time in | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (in Hg) | (mb) | (degs C) | | | | | | |
| 37885 | 3148 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37886 | 3128 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37887 | 3100 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37888 | 3076 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37889 | 3044 | | | | 7.75 | NOT | Engage | Not | On | Off | Not |
| 37890 | 3016 | | | | 8 | NOT | Engage | Not | On | Off | Not |
| 37891 | 2980 | | | | 8 | NOT | Engage | Not | On | Off | Not |
| 37892 | 2948 | | | | 8 | NOT | Engage | Not | On | Off | Not |
| 37893 | 2916 | | | | 8 | NOT | Engage | Not | On | Off | Not |
| 37894 | 2880 | | | | 8.25 | NOT | Engage | Not | On | Off | Not |
| 37895 | 2844 | | | | 8.25 | NOT | Engage | Not | On | Off | Not |
| 37896 | 2808 | | | | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37897 | 2772 | | | | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37898 | 2736 | | | | 8.5 | NOT | Engage | Not | On | Off | Not |
| 37899 | 2700 | | | | 8.75 | NOT | Engage | Not | On | Off | Not |
| 37900 | 2668 | | | | 8.75 | NOT | Engage | Not | On | Off | Not |
| 37901 | 2632 | | | | 8.75 | NOT | Engage | Not | On | Off | Not |
| 37902 | 2592 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37903 | 2548 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37904 | 2496 | | | | 9 | NOT | Engage | Not | On | Off | Not |
| 37905 | 2440 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37906 | 2384 | | | | 9.25 | NOT | Engage | Not | On | Off | Not |
| 37907 | 2332 | | | | 9.5 | NOT | Engage | Not | On | Off | Not |
| 37908 | 2284 | | | | 9.75 | NOT | Engage | Not | On | Off | Not |
| 37909 | 2232 | | | | 10 | NOT | Engage | Not | On | Off | Not |
| 37910 | 2184 | | | | 10.25 | NOT | Engage | Not | On | Off | Not |
| 37911 | 2132 | | | | 10.25 | NOT | Engage | Not | On | Off | Not |
| 37912 | 2084 | | | | 10.5 | NOT | Engage | Not | On | Off | Not |
| 37913 | 2040 | | | | 10.75 | NOT | Engage | Not | On | Off | Not |
| 37914 | 1992 | | | | 11 | NOT | Engage | Not | On | Off | Not |
| 37915 | 1944 | | | | 11.25 | NOT | Engage | Not | On | Off | Not |
| 37916 | 1900 | | | | 11.25 | NOT | Engage | Not | On | Off | Not |
| 37917 | 1856 | | | | 11.5 | NOT | Engage | Not | On | Off | Not |
| 37918 | 1816 | | | | 11.5 | NOT | Engage | Not | On | Off | Not |
| 37919 | 1772 | | | | 11.75 | NOT | Engage | Not | On | Off | Not |
| 37920 | 1736 | | | | 11.75 | NOT | Engage | Not | On | Off | Not |
| 37921 | 1704 | | | | 12 | NOT | Engage | Not | On | Off | Not |
| 37922 | 1668 | | | | 12.25 | NOT | Engage | Not | On | Off | Not |
| 37923 | 1632 | | | | 12.25 | NOT | Engage | Not | On | Off | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time in | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (in Hg) | (mb) | (degs. C) | | | | | | |
| 37924 | 1600 | | | | 12.25 | NOT | Engage | Not | On | Off | Not |
| 37925 | 1560 | | | | 12.5 | NOT | Engage | Not | On | Off | Not |
| 37926 | 1524 | | | | 12.5 | NOT | Engage | Not | On | Off | Not |
| 37927 | 1488 | | | | 12.75 | NOT | Engage | Not | On | Off | Not |
| 37928 | 1456 | | | | 12.75 | NOT | Engage | Not | On | Off | Not |
| 37929 | 1416 | | | | 12.75 | NOT | Engage | Not | On | Off | Not |
| 37930 | 1372 | | | | 13 | NOT | Engage | Not | On | Off | Not |
| 37931 | 1332 | | | | 13 | NOT | Engage | Not | On | Off | Not |
| 37932 | 1288 | | | | 13.25 | NOT | Engage | Not | On | Off | Not |
| 37933 | 1244 | | | | 13.25 | NOT | Engage | Not | On | Off | Not |
| 37934 | 1208 | | | | 13.5 | NOT | Engage | Not | On | Off | Not |
| 37935 | 1176 | | | | 13.5 | NOT | Engage | Not | On | Off | Not |
| 37936 | 1140 | | | 63.75 | 13.75 | NOT | Engage | Not | On | Off | Not |
| 37937 | 1112 | | | | 13.75 | NOT | Engage | Not | On | Off | Not |
| 37938 | 1080 | | | | 13.75 | NOT | Engage | Not | On | Off | Not |
| 37939 | 1056 | | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37940 | 1024 | 9 | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37941 | 996 | | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37942 | 972 | | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37943 | 952 | | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37944 | 940 | | 28.912 | | 14 | NOT | Engage | Not | On | Off | Not |
| 37945 | 940 | | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37946 | 940 | | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37947 | 944 | | | | 14 | NOT | Engage | Not | On | Off | Not |
| 37948 | 936 | | | | 13.75 | NOT | Engage | Not | On | Off | Not |
| 37949 | 940 | | | | 13.75 | NOT | Engage | Not | On | Off | Not |
| 37950 | 920 | | | | 13.5 | NOT | Engage | Not | On | Off | Not |
| 37951 | 916 | | | | 13.25 | NOT | Engage | Not | On | Off | Not |
| 37952 | 908 | | | | 13 | NOT | Engage | Not | On | Off | Not |
| 37953 | 904 | | | | 12.75 | NOT | Engage | Not | On | Off | Not |
| 37954 | 896 | | | | 12.5 | NOT | Engage | Not | On | Off | Not |
| 37955 | 896 | | | | 12.5 | NOT | Engage | Not | On | Off | Not |
| 37956 | 896 | | | | 12.25 | NOT | Engage | Not | On | Off | Not |
| 37957 | 900 | | | | 12 | NOT | Engage | Not | On | Off | Not |
| 37958 | 904 | | | | 11.75 | NOT | Engage | Not | On | Off | Not |
| 37959 | 908 | | | | 11.5 | NOT | Engage | Not | On | Off | Not |
| 37960 | 908 | | | | 11.5 | NOT | Engage | Not | On | Off | Not |
| 37961 | 908 | | | | 11.25 | NOT | Engage | Not | On | Off | Not |
| 37962 | 908 | | | | 11.5 | NOT | Engage | Not | On | Off | Not |

| FDR | ALTITUDE | Static | Static | Impact | Total Air | TO/GA | VOR/LOC | G/S | F/D | F/D | Approach |
|---------|----------|----------|----------|----------|-----------|-------|---------|--------|------|------|----------|
| Elapsed | | Air Temp | Pressure | Pressure | Temp | | | Engage | A On | B On | |
| Time in | | | | | | | | | | | |
| Seconds | (FT) | (degs C) | (in Hg) | (mb) | (degs. C) | | | | | | |
| 37963 | 912 | | | | 11.5 | NOT | Engage | Not | On | Off | Not |
| 37964 | 908 | | | | 11 | NOT | Engage | Not | On | Off | Not |
| 37965 | 912 | | | | 11 | NOT | Engage | Not | On | Off | Not |
| 37966 | 904 | | | | 10.75 | NOT | Engage | Not | On | Off | Not |
| 37967 | 920 | | | | 10.75 | NOT | Engage | Not | On | Off | Not |
| 37968 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37969 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37970 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37971 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37972 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37973 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37974 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37975 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37976 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37977 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37978 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37979 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37980 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37981 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37982 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37983 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37984 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |
| 37985 | 924 | | | | -64.25 | NOT | Engage | Not | On | Off | Not |
| 37986 | 924 | | | | 82 | NOT | Engage | Not | On | Off | Not |

| FDR | Flap 1 | Flap 1 | Flap 2 | Flap 2 | Flap 3 | Flap 3 | Flap 4 | Flap 4 |
|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Elapsed | Ext. | In | Ext. | In | Ext. | In | Ext. | In |
| Time in | | Transit | | Transit | | Transit | | Transit |
| Seconds | | | | | | | | |
| 37690 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37691 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37692 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37693 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37694 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37695 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37696 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37697 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37698 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37699 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37700 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37701 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37702 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37703 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37704 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37705 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37706 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37707 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37708 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37709 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37710 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37711 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37712 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37713 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37714 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37715 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37716 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37717 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37718 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37719 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37720 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37721 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37722 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37723 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37724 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37725 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37726 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37727 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37728 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37729 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37730 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37731 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37732 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37733 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37734 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37735 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37736 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37737 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37738 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37739 | Not | Not | Not | Not | Not | Not | Not | Not |

| FDR | Flap 1 | Flap 1 | Flap 2 | Flap 2 | Flap 3 | Flap 3 | Flap 4 | Flap 4 |
|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Elapsed | Ext. | In | Ext. | In | Ext. | In | Ext. | In |
| Time in | | Transit | | Transit | | Transit | | Transit |
| Seconds | | | | | | | | |
| 37740 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37741 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37742 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37743 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37744 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37745 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37746 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37747 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37748 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37749 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37750 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37751 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37752 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37753 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37754 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37755 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37756 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37757 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37758 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37759 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37760 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37761 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37762 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37763 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37764 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37765 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37766 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37767 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37768 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37769 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37770 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37771 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37772 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37773 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37774 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37775 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37776 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37777 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37778 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37779 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37780 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37781 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37782 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37783 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37784 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37785 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37786 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37787 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37788 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37789 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37790 | Not | Not | Not | Not | Not | Not | Not | Not |

| FDR | Flap 1 | Flap 1 | Flap 2 | Flap 2 | Flap 3 | Flap 3 | Flap 4 | Flap 4 |
|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Elapsed | Ext. | In | Ext. | In | Ext. | In | Ext. | In |
| Time in | | Transit | | Transit | | Transit | | Transit |
| Seconds | | | | | | | | |
| 37791 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37792 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37793 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37794 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37795 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37796 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37797 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37798 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37799 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37800 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37801 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37802 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37803 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37804 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37805 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37806 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37807 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37808 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37809 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37810 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37811 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37812 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37813 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37814 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37815 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37816 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37817 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37818 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37819 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37820 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37821 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37822 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37823 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37824 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37825 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37826 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37827 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37828 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37829 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37830 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37831 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37832 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37833 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37834 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37835 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37836 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37837 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37838 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37839 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37840 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37841 | Not | Not | Not | Not | Not | Not | Not | Not |

| FDR | Flap 1 | Flap 1 | Flap 2 | Flap 2 | Flap 3 | Flap 3 | Flap 4 | Flap 4 |
|---------|--------|---------|--------|----------|--------|----------|--------|----------|
| Elapsed | Ext. | In | Ext. | In | Ext. | In | Ext. | In |
| Time in | | Transit | | Transit | | Transit | | Transit |
| Seconds | | | | | | | | |
| 37842 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37843 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37844 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37845 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37846 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37847 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37848 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37849 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37850 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37851 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37852 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37853 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37854 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37855 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37856 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37857 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37858 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37859 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37860 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37861 | Not | Not | Not | Not | Not | Not | Not | Not |
| 37862 | Not | Intrans | Not | Intransi | Not | Intransi | Not | Intransi |
| 37863 | Not | Intrans | Not | Intransi | Not | Intransi | Not | Intransi |
| 37864 | Not | Intrans | Not | Intransi | Not | Intransi | Not | Intransi |
| 37865 | Not | Intrans | Not | Intransi | Not | Intransi | Extend | Not |
| 37866 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37867 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37868 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37869 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37870 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37871 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37872 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37873 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37874 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37875 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37876 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37877 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37878 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37879 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37880 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37881 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37882 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37883 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37884 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37885 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37886 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37887 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37888 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37889 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37890 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37891 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37892 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |

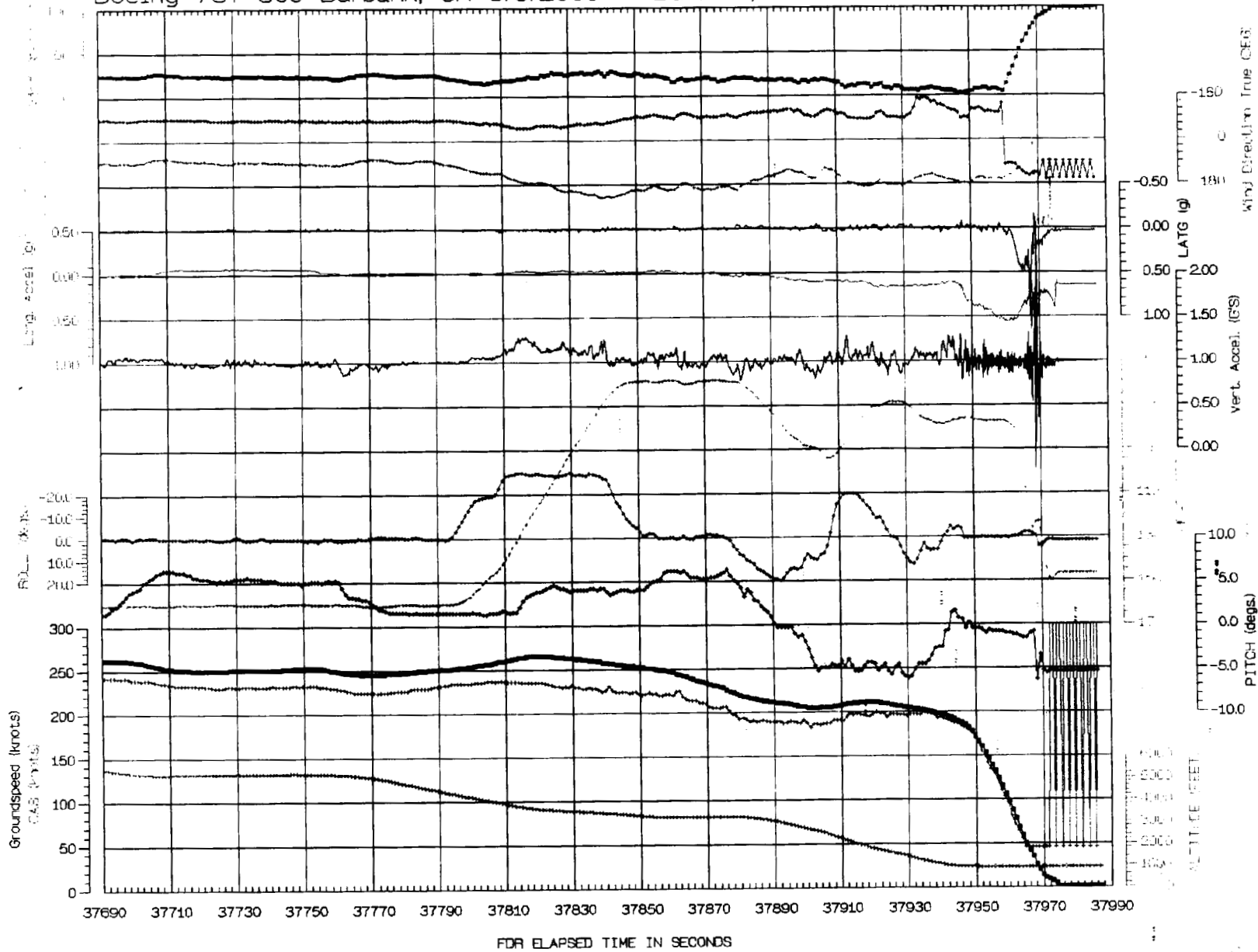
| FDR | Flap 1 | Flap 1 | Flap 2 | Flap 2 | Flap 3 | Flap 3 | Flap 4 | Flap 4 |
|---------|--------|---------|--------|----------|--------|---------|--------|---------|
| Elapsed | Ext. | In | Ext. | In | Ext. | In | Ext. | In |
| Time in | | Transit | | Transit | | Transit | | Transit |
| Seconds | | | | | | | | |
| 37944 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37945 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37946 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37947 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37948 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37949 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37950 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37951 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37952 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37953 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37954 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37955 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37956 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37957 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37958 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37959 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37960 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37961 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37962 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37963 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37964 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37965 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37966 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37967 | Extend | Not | Extend | Not | Extend | Not | Extend | Not |
| 37968 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37969 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37970 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37971 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37972 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37973 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37974 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37975 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37976 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37977 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37978 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37979 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37980 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37981 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37982 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37983 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37984 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37985 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |
| 37986 | Extend | Not | Not | Intransi | Extend | Not | Extend | Not |

ATTACHMENT 3

Plots of Southwest Airlines Flight 1455 FDR Data

Southwest Flight 1455

Boeing 737-300 Burbank, CA 3/5/2000 Burbank, California March 5, 2000



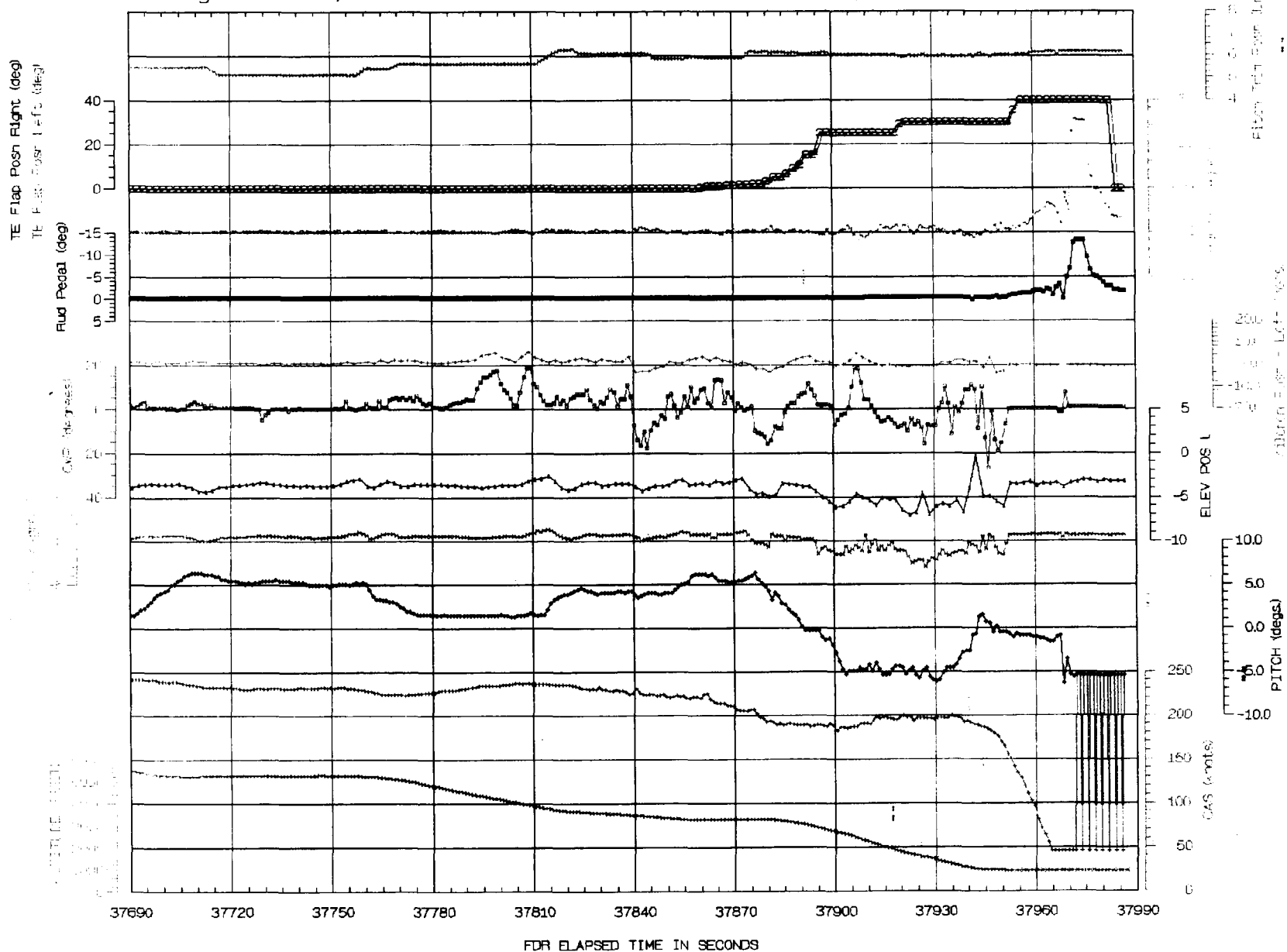
Finalized Data - AC_Perf_5min
 Revised: December 19, 2000

National Transportation Safety Board

Southwest Flight 1455

Boeing 737-300, N668SW

Burbank, California 3/5/2000



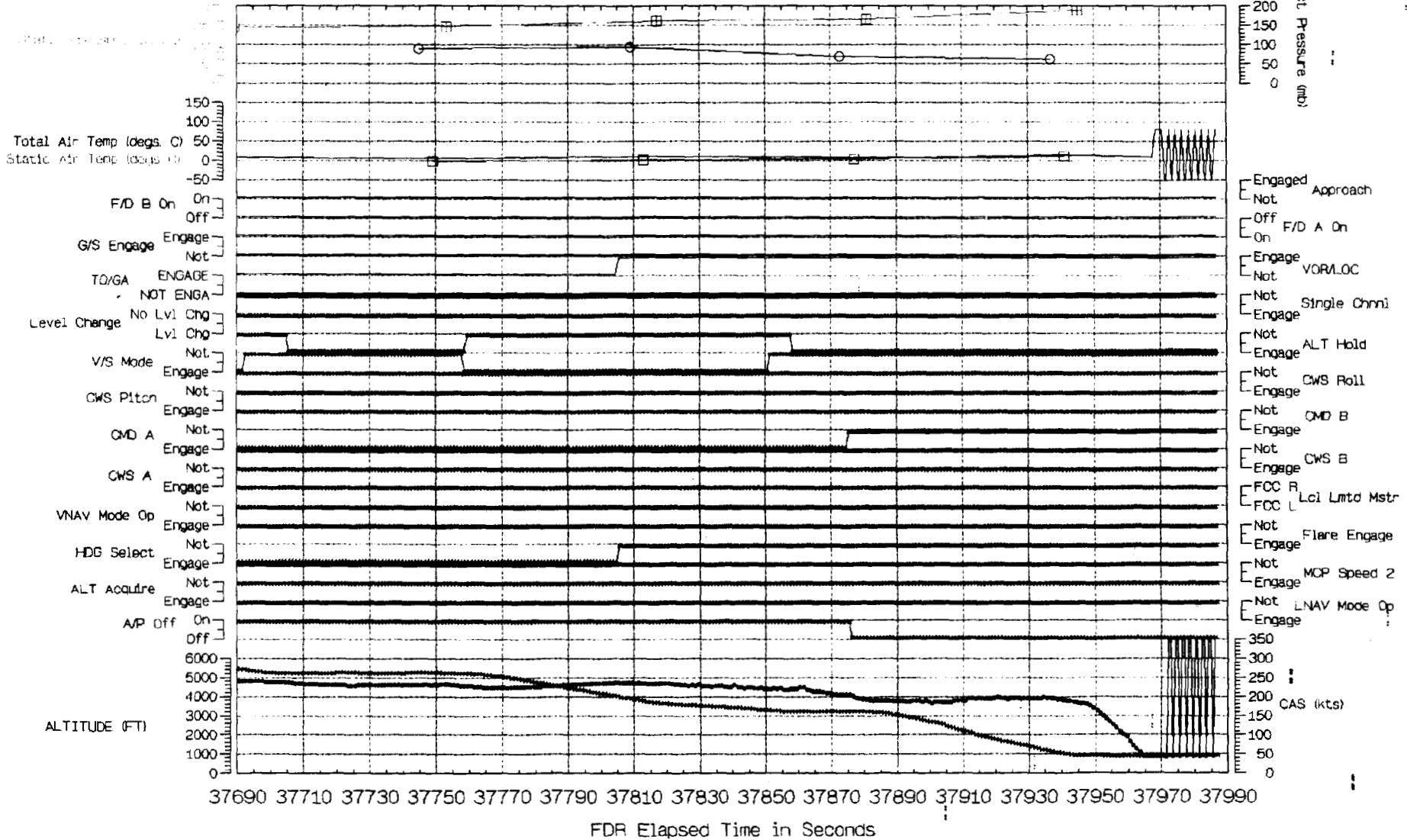
Finalized Data - Controls 5 Min.
Revised: December 19, 2000

National Transportation Safety Board

Southwest Flight 1455

Boeing 737-300, N668SW

Burbank, California, March 5, 2000



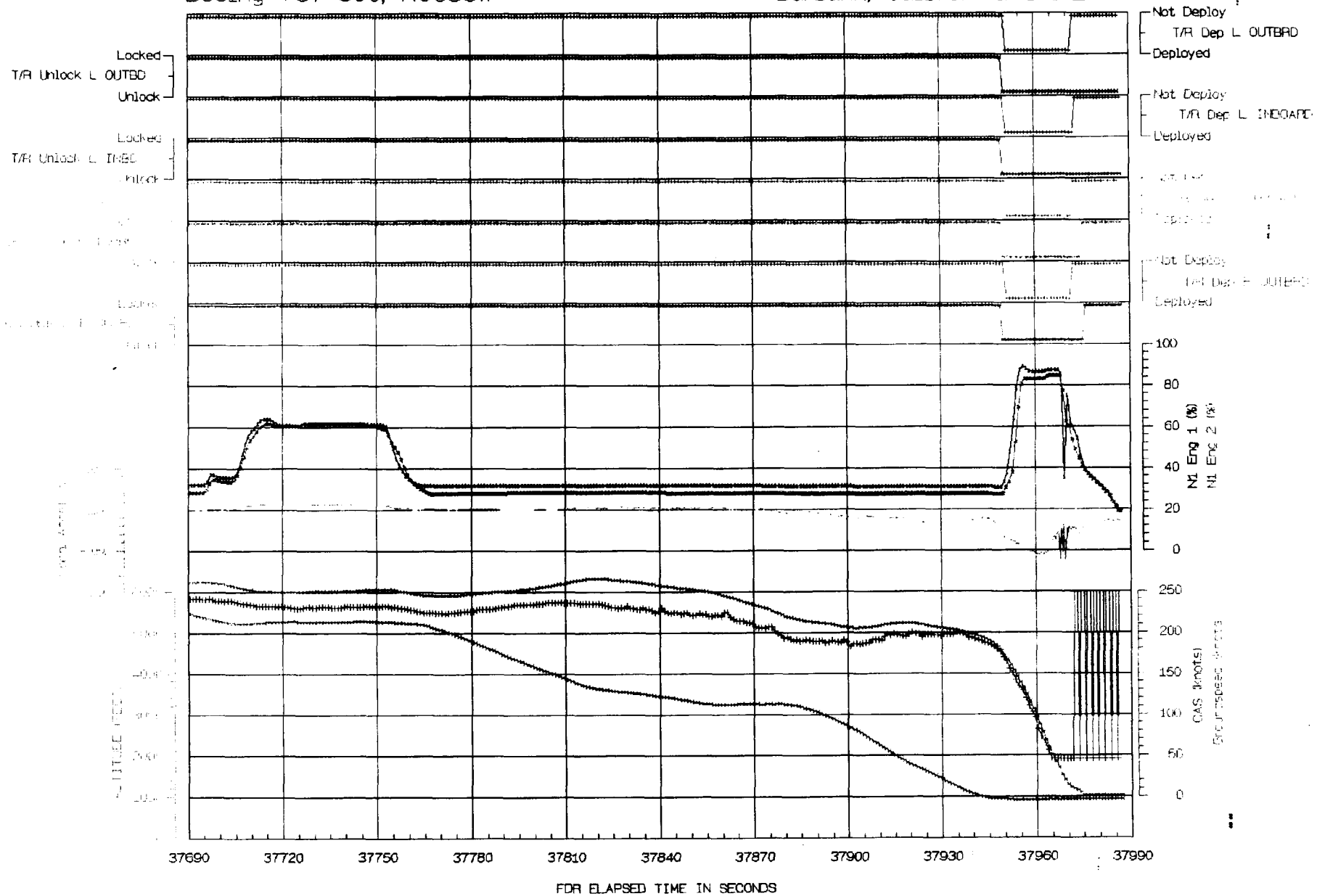
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 Revised: December 19, 2000

National Transportation Safety Board

Southwest Flight 1455

Boeing 737-300, N668SW

Burbank, California 3/5/2000



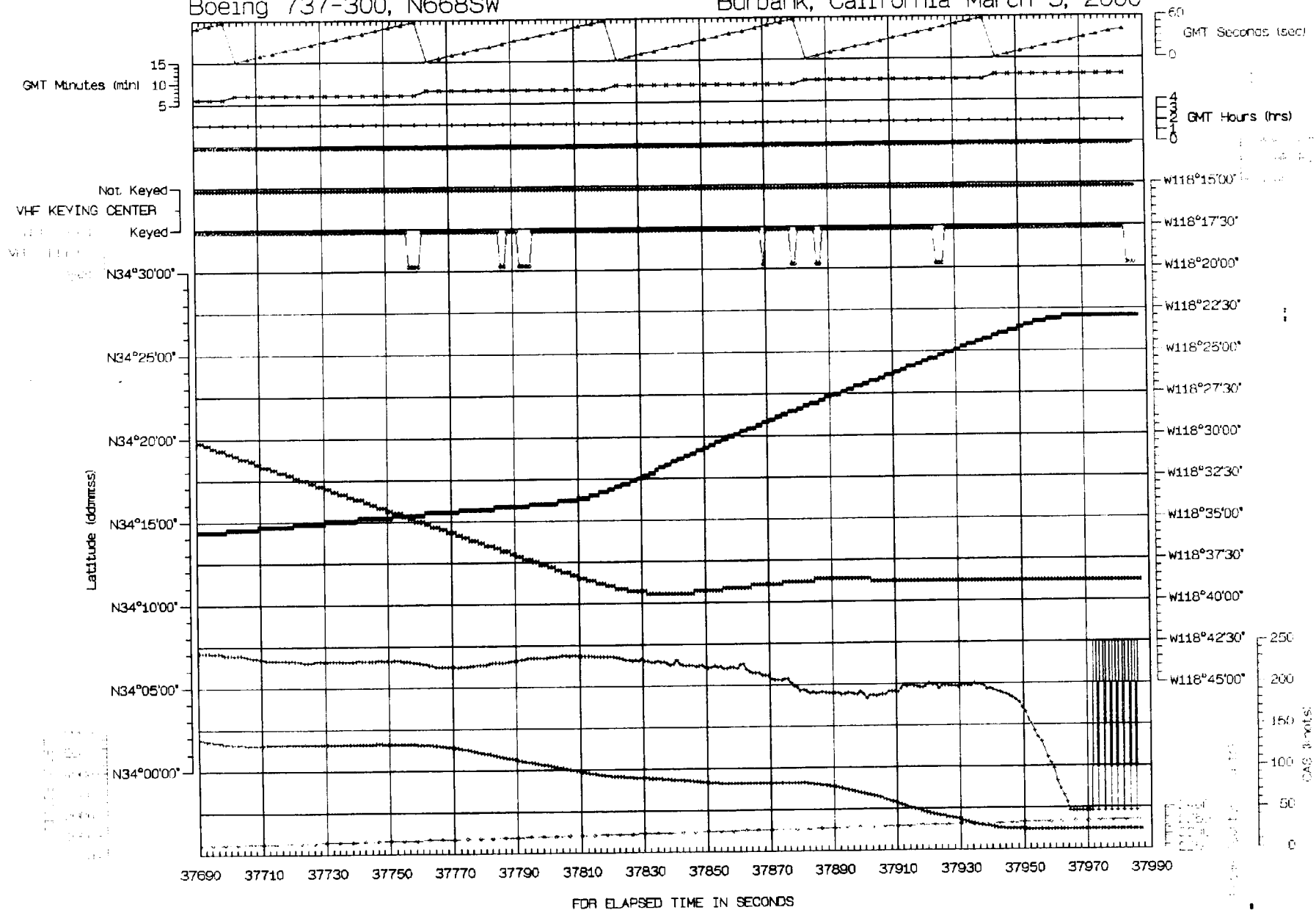
Finalized Data - Engines 5 Minutes
 Revised: December 19, 2000

National Transportation Safety Board

Southwest Flight 1455

Boeing 737-300, N668SW

Burbank, California March 5, 2000



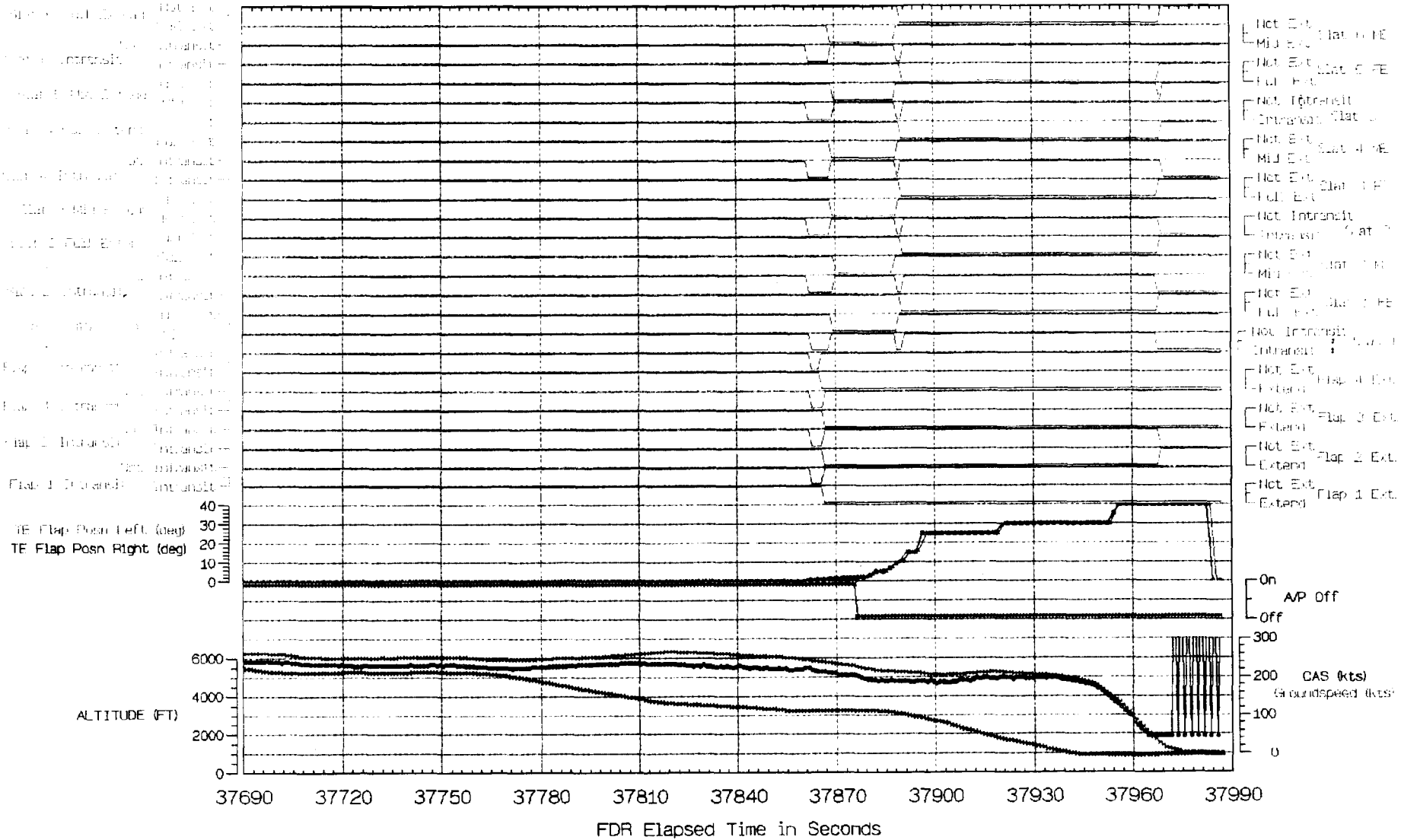
Finalized Data - Lat_Lng 5 Minutes
 Revised: December 19, 2000

National Transportation Safety Board

Southwest Flight 1455

Boeing 737-300, N668SW

Burbank, California, March 5, 2000



National Transportation Safety Board

ATTACHMENT 4

Tabular Listings of Southwest Airlines Flight 1713 FDR Data

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| 70780 | 1876 | 135.5 | 78.4 | -2.46 | 1.05 | 78.4 | 0.996 | 17.5 | -116 | -3.2 | 154 | 28.45 | 30.45 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| 70781 | 1848 | 135.5 | 78.4 | -2.11 | -0.7 | 78.4 | 1.005 | 18 | -116.7 | -3.4 | 154 | 28.45 | 30.57 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| 70782 | 1824 | 134.5 | 79.1 | -1.76 | -1.41 | 79.1 | 0.969 | 19.5 | -119.5 | -4 | 153 | 28.45 | 30.45 |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| 70783 | 1800 | 133.5 | 79.45 | -1.23 | 0 | 79.5 | 1.005 | 19.5 | -121.6 | -4.3 | 153 | 28.45 | 31.82 |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| 70784 | 1776 | 134.5 | 79.1 | -1.23 | 1.41 | 79.1 | 1.07 | 17.5 | -119.2 | -3.7 | 152 | 31.7 | 34.45 |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.951 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| 70785 | 1752 | 135.5 | 78.4 | -1.58 | 0 | 78.4 | 0.932 | 16.5 | -114.6 | -2.9 | 152 | 35.2 | 37.58 |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| 70786 | 1728 | 135 | 77.69 | -1.23 | -0.35 | 77.7 | 0.96 | 15.5 | -111.1 | -2.5 | 152 | 41.71 | 44.84 |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| 70787 | 1704 | 133 | 78.05 | -0.53 | 1.05 | 78 | 0.996 | 19.5 | -110.7 | -2.6 | 152 | 48.47 | 52.34 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| 70788 | 1684 | 132.5 | 78.05 | 0.88 | 1.41 | 78 | 1.051 | 18 | -107.9 | -2.4 | 152 | 49.09 | 53.35 |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| 70789 | 1660 | 131.5 | 77.69 | 1.05 | -0.7 | 77.7 | 1.042 | 19.5 | -104.1 | -2 | 152 | 48.72 | 53.1 |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.96 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time in | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| 70790 | 1636 | 131 | 77.69 | 1.05 | -1.41 | 77.7 | 0.987 | 18 | -103.7 | -2 | 152 | 48.59 | 53.1 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.088 | | | | | | |
| 70791 | 1620 | 133.5 | 77.69 | 1.41 | -2.11 | 77.7 | 1.07 | 17 | -110 | -2.6 | 152 | 50.72 | 53.1 |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| 70792 | 1600 | 132 | 78.05 | 0.7 | -0.35 | 78 | 1.042 | 19 | -112.9 | -3.1 | 152 | 52.6 | 52.97 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| 70793 | 1580 | 131.5 | 78.4 | 0.18 | 0.7 | 78.4 | 0.987 | 19.5 | -111.8 | -2.9 | 152 | 52.6 | 52.85 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| 70794 | 1568 | 131 | 78.05 | 0.88 | -0.7 | 78 | 1.042 | 19.5 | -108.3 | -2.5 | 152 | 52.09 | 52.85 |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.033 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| 70795 | 1548 | 132 | 77.69 | 0.7 | -1.76 | 77.7 | 1.051 | 18 | -108.3 | -2.6 | 152 | 51.84 | 52.72 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| 70796 | 1528 | 131.5 | 77.69 | 0.18 | -0.35 | 77.7 | 0.96 | 175 | -108.3 | -2.5 | 151 | 51.72 | 52.72 |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| 70797 | 1516 | 131.5 | 77.34 | 1.05 | 0.35 | 77.3 | 0.996 | 18.5 | -106.2 | -2.2 | 151 | 51.72 | 52.6 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| 70798 | 1496 | 133 | 76.99 | 1.76 | 2.46 | 77 | 0.987 | 16.5 | -102 | -1.6 | 150 | 51.59 | 53.72 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.088 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| 70799 | 1484 | 132.5 | 77.34 | 1.58 | 2.11 | 77.3 | 1.024 | 16 | -102.7 | -1.6 | 150 | 52.97 | 56.47 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.033 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| 70800 | 1468 | 132.5 | 77.69 | 1.76 | 2.11 | 77.7 | 0.996 | 17 | -102.3 | -1.5 | 150 | 57.47 | 61.23 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| 70801 | 1456 | 131 | 78.05 | 2.11 | -0.7 | 78 | 1.015 | 19 | -104.4 | -2 | 150 | 60.48 | 61.73 |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.088 | | | | | | |
| | | | | | | | 1.088 | | | | | | |
| 70802 | 1448 | 132.5 | 78.4 | 2.29 | -1.76 | 78.4 | 1.097 | 18 | -110.7 | -2.8 | 151 | 60.73 | 61.73 |
| | | | | | | | 1.088 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| 70803 | 1432 | 132 | 79.1 | 1.93 | 0 | 79.1 | 1.024 | 18.5 | -111.4 | -3.2 | 151 | 61.6 | 61.73 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| 70804 | 1424 | 133.5 | 78.75 | 1.41 | -2.46 | 78.7 | 0.914 | 16 | -113.2 | -2.9 | 151 | 61.48 | 61.85 |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.932 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| 70805 | 1412 | 134 | 78.4 | 1.41 | -2.11 | 78.4 | 0.996 | 16.5 | -114.6 | -2.9 | 151 | 61.48 | 61.98 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| 70806 | 1400 | 135 | 78.05 | 1.23 | 1.05 | 78 | 1.051 | 15 | -112.5 | -2.4 | 151 | 61.6 | 62.1 |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| 70807 | 1388 | 133 | 77.69 | 0.53 | -0.7 | 77.7 | 0.932 | 16.5 | -107.9 | -2.1 | 151 | 61.85 | 62.1 |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.886 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| 70808 | 1376 | 135 | 77.69 | 0.7 | -0.35 | 77.7 | 0.951 | 13.5 | -108.3 | -2.1 | 151 | 61.73 | 62.1 |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| 70809 | 1364 | 136 | 77.69 | 1.23 | -0.35 | 77.7 | 1.005 | 14.5 | -110.4 | -2 | 150 | 61.6 | 60.23 |
| | | | | | | | 0.996 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| 70810 | 1348 | 136 | 77.69 | 1.05 | 0.35 | 77.7 | 1.024 | 13 | -110.4 | -2 | 150 | 57.1 | 56.6 |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| 70811 | 1340 | 140.5 | 77.34 | -0.7 | -0.7 | 77.3 | 0.969 | 9.5 | -116 | -1.8 | 150 | 54.47 | 55.6 |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| 70812 | 1324 | 138.5 | 77.69 | -1.76 | -1.41 | 77.7 | 0.923 | 11.5 | -120.9 | -2.3 | 150 | 54.47 | 54.72 |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| 70813 | 1308 | 137.5 | 78.05 | -1.93 | -2.81 | 78 | 0.914 | 12 | -120.6 | -2.7 | 150 | 51.34 | 52.47 |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| 70814 | 1292 | 137 | 77.69 | -1.93 | -2.46 | 77.7 | 0.923 | 12 | -119.2 | -2.6 | 150 | 49.09 | 51.59 |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|--------|--------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs) | (degs) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.896 | | | | | | |
| 70815 | 1272 | 136 | 77.34 | -1.23 | -2.46 | 77.3 | 0.896 | 13 | -117.4 | -2.5 | 150 | 48.59 | 51.47 |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.896 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| 70816 | 1252 | 139.5 | 76.99 | -0.18 | 0.35 | 77 | 1.06 | 8.5 | -119.2 | -1.9 | 150 | 48.09 | 51.47 |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.088 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| 70817 | 1236 | 139 | 76.29 | 0 | 0.35 | 76.3 | 1.07 | 8.5 | -115 | -1.6 | 148 | 47.72 | 51.47 |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| 70818 | 1220 | 138.5 | 76.29 | -0.7 | 2.46 | 76.3 | 0.996 | 7.5 | -107.6 | -1.2 | 148 | 47.72 | 51.47 |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 1.005 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| 70819 | 1204 | 139.5 | 76.64 | -1.05 | 1.05 | 76.6 | 1.005 | 7.5 | -114.3 | -1.4 | 148 | 47.84 | 51.47 |
| | | | | | | | 0.967 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.967 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| 70820 | 1188 | 138.5 | 76.64 | -0.88 | -0.35 | 76.6 | 1.024 | 9 | -116 | -1.6 | 148 | 47.84 | 50.97 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.967 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| 70821 | 1172 | 136.5 | 77.34 | -1.41 | -0.35 | 77.3 | 0.914 | 10.5 | -120.2 | -2.4 | 148 | 46.46 | 49.09 |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| 70822 | 1160 | 136.5 | 77.69 | -0.35 | 0.35 | 77.7 | 0.987 | 10.5 | -124.5 | -2.5 | 147 | 44.84 | 48.47 |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.088 | | | | | | |
| 70823 | 1144 | 136 | 77.69 | 0.35 | 1.41 | 77.7 | 1.079 | 10.5 | -121.3 | -2.3 | 146 | 44.59 | 48.34 |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 0.967 | | | | | | |
| | | | | | | | 0.969 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| 70824 | 1128 | 135 | 77.69 | -0.18 | -0.7 | 77.7 | 0.969 | 12 | -128 | -2.8 | 146 | 44.71 | 48.34 |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.932 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| 70825 | 1112 | 134.5 | 78.75 | 0.7 | -0.35 | 78.7 | 1.005 | 13.5 | -133.9 | -3.7 | 145 | 44.84 | 49.22 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| 70826 | 1100 | 134 | 79.1 | 1.23 | -0.35 | 79.1 | 1.005 | 12.5 | -130.4 | -3.7 | 145 | 49.34 | 56.22 |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| 70827 | 1084 | 136.5 | 78.4 | 1.05 | 0.35 | 78.4 | 1.042 | 9.5 | -133.9 | -3.1 | 144 | 54.97 | 57.98 |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| 70828 | 1068 | 138 | 77.69 | 0.18 | -1.76 | 77.7 | 1.005 | 7.5 | -134.3 | -2.3 | 144 | 55.35 | 58.35 |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.905 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| 70829 | 1056 | 137.5 | 77.34 | -0.35 | 2.11 | 77.3 | 1.015 | 7.5 | -127.3 | -1.9 | 144 | 55.85 | 58.73 |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| 70830 | 1040 | 136 | 76.64 | -0.7 | -0.7 | 76.6 | 0.932 | 7 | -113.6 | -1.4 | 144 | 56.1 | 58.1 |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.914 | | | | | | |
| | | | | | | | 0.923 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| 70831 | 1024 | 136.5 | 76.99 | 0 | 0 | 77 | 1.015 | 6.5 | -119.9 | -1.6 | 144 | 51.47 | 54.6 |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.042 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| 70832 | 1004 | 137 | 76.64 | 0 | 0.7 | 76.6 | 1.024 | 6 | -114.3 | -1.1 | 144 | 48.22 | 53.72 |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.033 | | | | | | |
| 70833 | 988 | 135.5 | 76.64 | 0.7 | -1.05 | 76.6 | 1.015 | 7.5 | -111.8 | -1.2 | 144 | 48.09 | 53.6 |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 1.024 | | | | | | |
| | | | | | | | 1.06 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|-------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 1.06 | | | | | | |
| | | | | | | | 1.07 | | | | | | |
| | | | | | | | 1.088 | | | | | | |
| 70834 | 972 | 136 | 76.99 | 3.16 | -1.41 | 77 | 1.125 | 8 | -126.9 | -2 | 142 | 48.72 | 52.34 |
| | | | | | | | 1.161 | | | | | | |
| | | | | | | | 1.17 | | | | | | |
| | | | | | | | 1.189 | | | | | | |
| | | | | | | | 1.216 | | | | | | |
| | | | | | | | 1.216 | | | | | | |
| | | | | | | | 1.216 | | | | | | |
| | | | | | | | 1.207 | | | | | | |
| 70835 | 964 | 135 | 77.69 | 3.52 | -1.41 | 77.7 | 1.18 | 9 | -135.4 | -2.6 | 142 | 45.34 | 43.09 |
| | | | | | | | 1.161 | | | | | | |
| | | | | | | | 1.134 | | | | | | |
| | | | | | | | 1.097 | | | | | | |
| | | | | | | | 1.051 | | | | | | |
| | | | | | | | 1.015 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| 70836 | 960 | 132.5 | 78.4 | 1.93 | -0.7 | 78.4 | 0.951 | 10 | -138.2 | -3.3 | 140 | 38.46 | 36.33 |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.96 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.978 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| 70837 | 956 | 132 | 77.69 | 1.93 | 0.35 | 77.7 | 0.996 | 9 | -131.8 | -2.5 | 139 | 33.95 | 32.08 |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 0.996 | | | | | | |
| | | | | | | | 0.969 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| | | | | | | | 0.941 | | | | | | |
| | | | | | | | 0.951 | | | | | | |
| 70838 | 956 | 128.5 | 76.99 | 1.58 | 0 | 77 | 1.225 | 8.5 | -120.2 | -1.8 | 136 | 30.82 | 29.87 |
| | | | | | | | 1.317 | | | | | | |
| | | | | | | | 1.29 | | | | | | |
| | | | | | | | 1.262 | | | | | | |

| FDR | Altitude | CAS | HEAD | PITCH | ROLL | HEAD | Vert. | Wind | Wind | Drift | Ground | N1 Eng | N1 Eng |
|---------|----------|-------|-------|---------|---------|-------|--------|-------|-----------|-------|--------|---------|---------|
| Elapsed | | | | | | | Accel. | Speed | Direction | Angle | speed | 1 | 2 |
| Time In | | | | | | | | | TRUE | | | | |
| Seconds | (FEET) | (kts) | (DEG) | (degs.) | (degs.) | (DEG) | (G'S) | (kts) | (DEG) | (DEG) | (kts) | (% rpm) | (% rpm) |
| | | | | | | | 1.033 | | | | | | |
| | | | | | | | 0.905 | | | | | | |
| | | | | | | | 0.85 | | | | | | |
| | | | | | | | 0.795 | | | | | | |
| | | | | | | | 0.795 | 9 | -126.6 | -2.1 | 134 | 29.07 | 29.57 |
| 70839 | 948 | 126 | 76.99 | 0.18 | -1.05 | 77 | 0.896 | | | | | | |
| | | | | | | | 0.987 | | | | | | |
| | | | | | | | 1.161 | | | | | | |
| | | | | | | | 1.216 | | | | | | |
| | | | | | | | 1.079 | | | | | | |
| | | | | | | | 1.005 | | | | | | |
| | | | | | | | 0.905 | | | | | | |

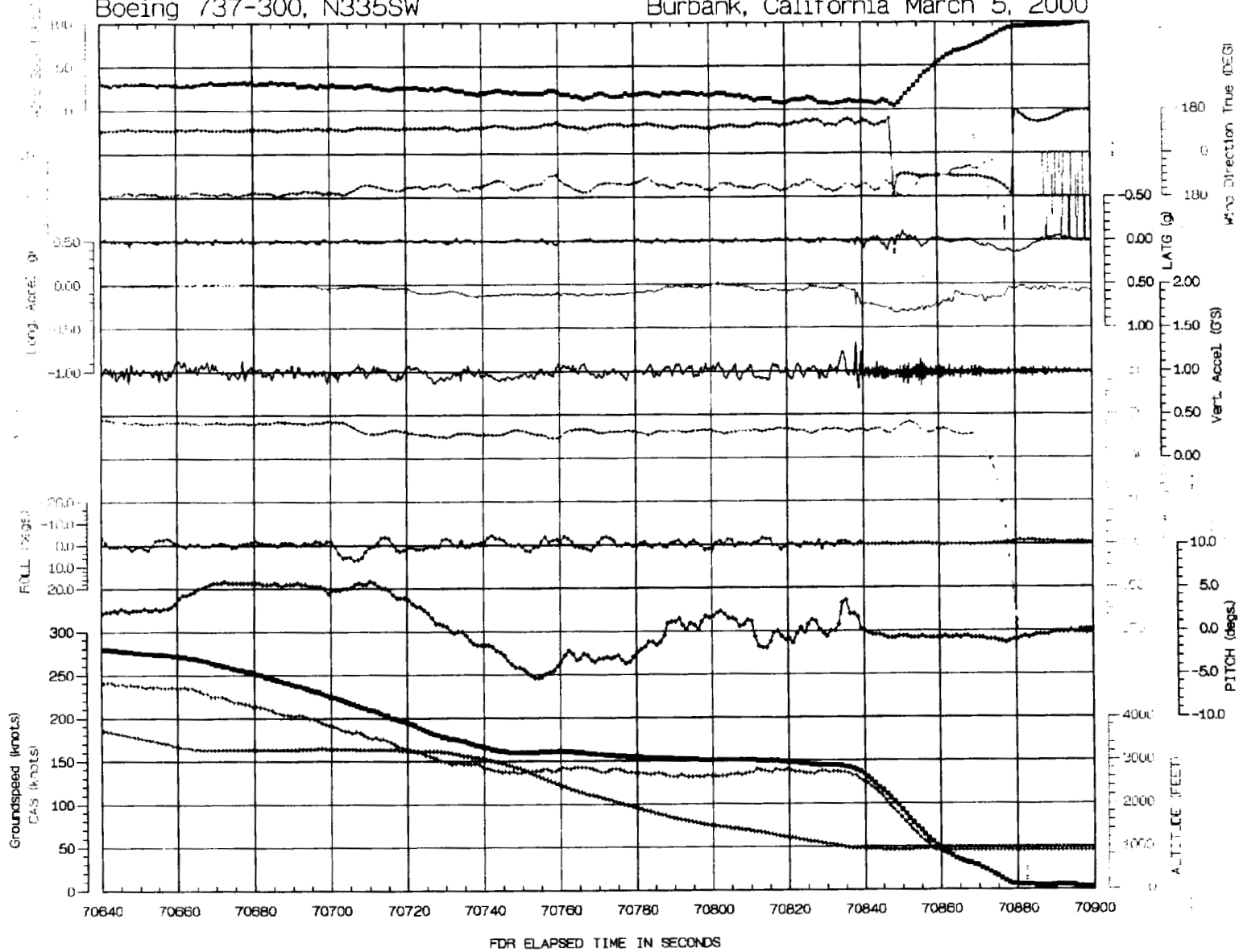
ATTACHMENT 5

Plots of Southwest Airlines Flight 1713 FDR Data

Southwest Flight 1713

Boeing 737-300, N335SW

Burbank, California March 5, 2000



Finalized - Approach - Aircraft Performance

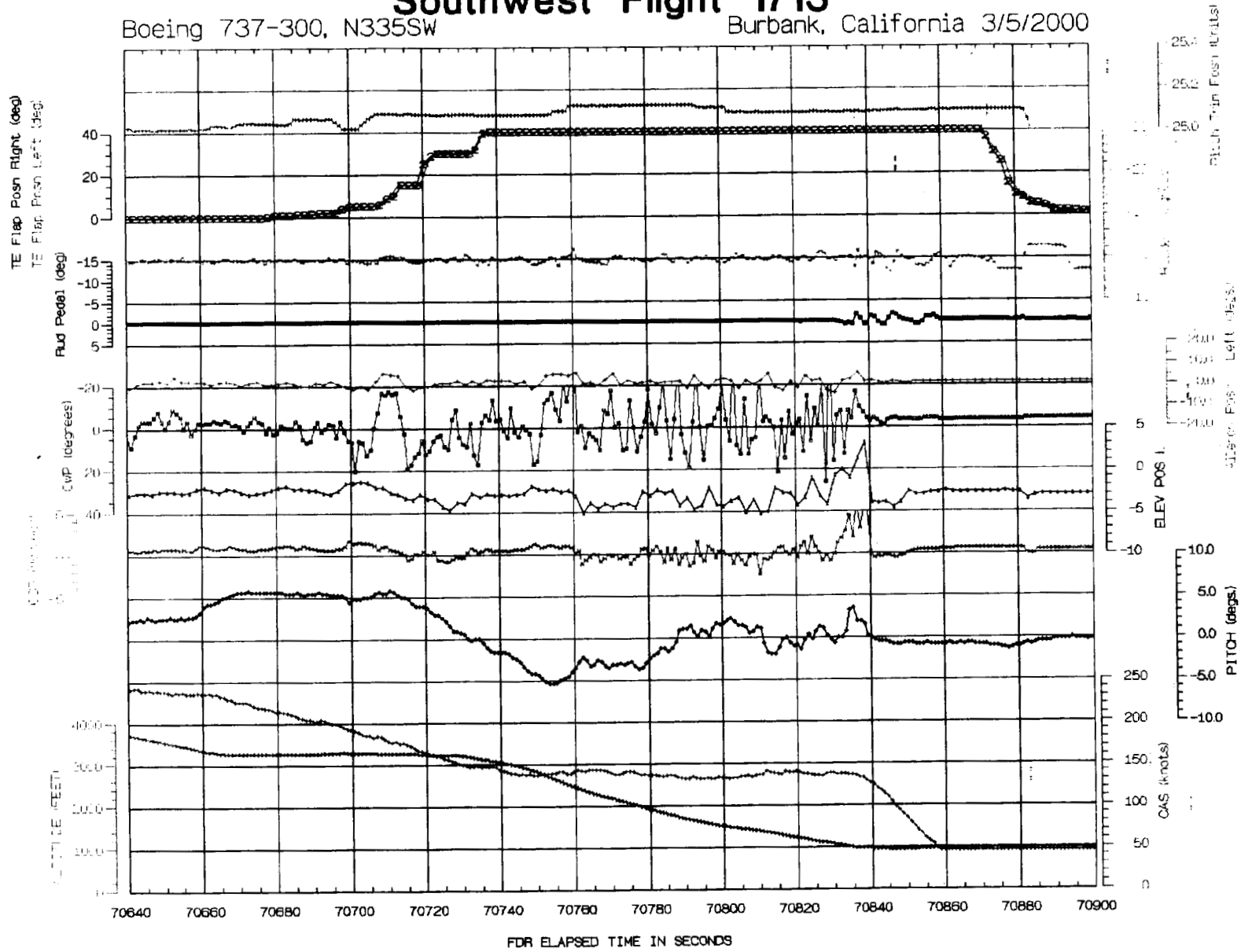
Revised: October 19, 2000

National Transportation Safety Board

Southwest Flight 1713

Boeing 737-300, N335SW

Burbank, California 3/5/2000



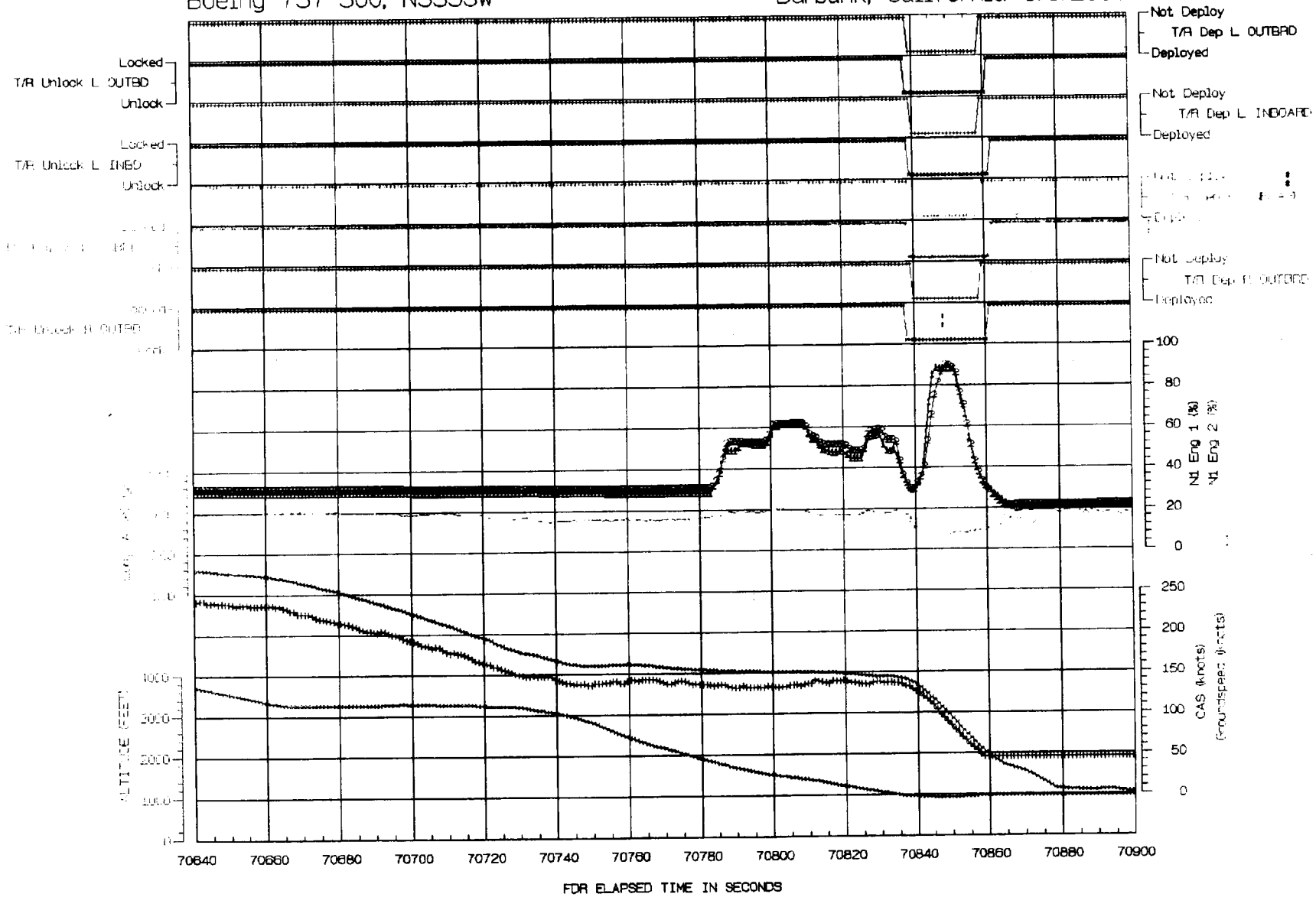
Finalized - Approach - Control Positions
Revised: October 19, 2000

National Transportation Safety Board

Southwest Flight 1713

Boeing 737-300, N335SW

Burbank, California 3/5/2000



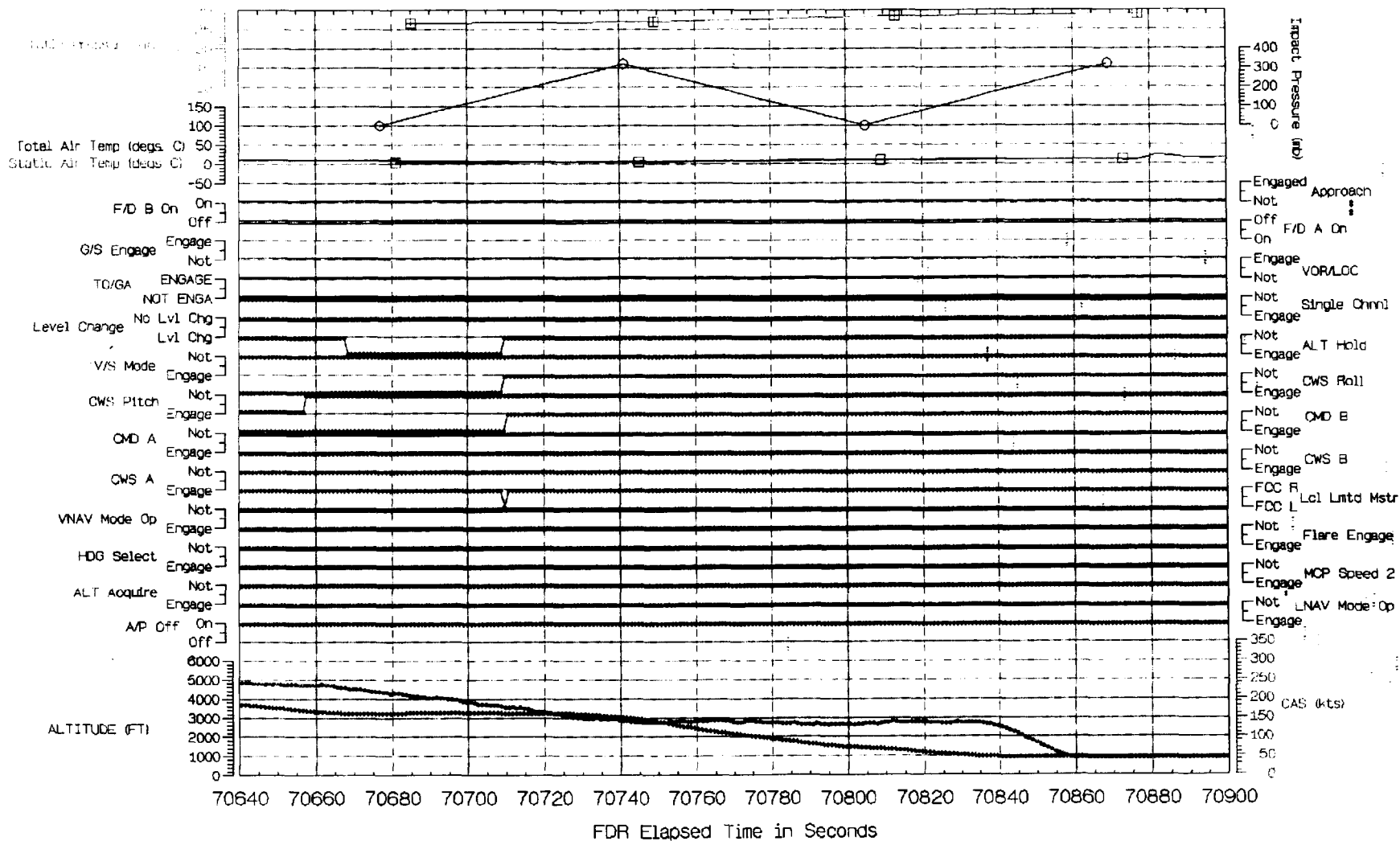
Finalized - Approach - Engine Parameters
 Revised: October 19, 2000

National Transportation Safety Board

Southwest Flight 1713

Boeing 737-300, N335SW

Burbank, California, March 5, 2000



Finalized - Approach - Autopilot Discrettes

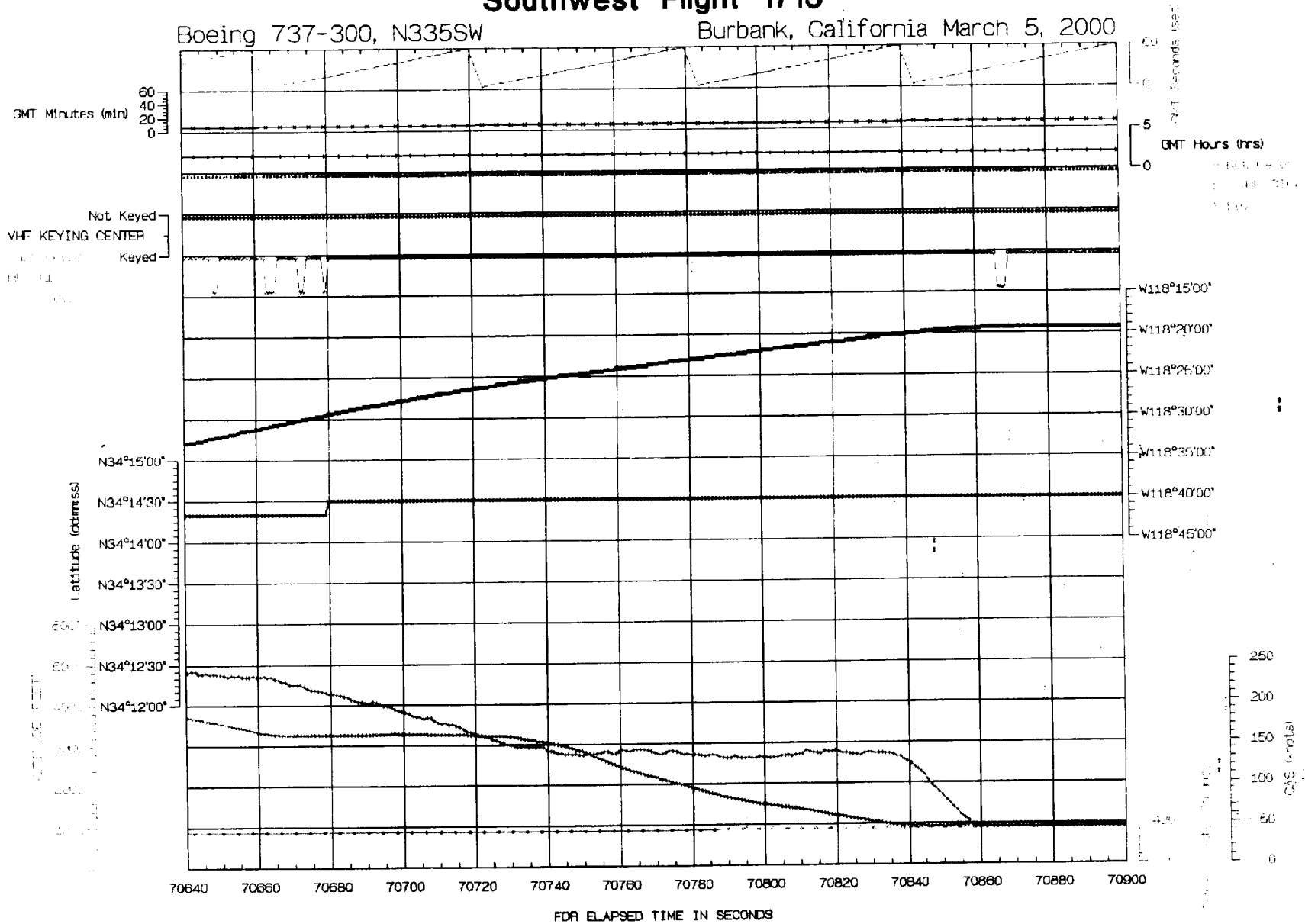
Revised: October 20, 2000

National Transportation Safety Board

Southwest Flight 1713

Boeing 737-300, N335SW

Burbank, California March 5, 2000



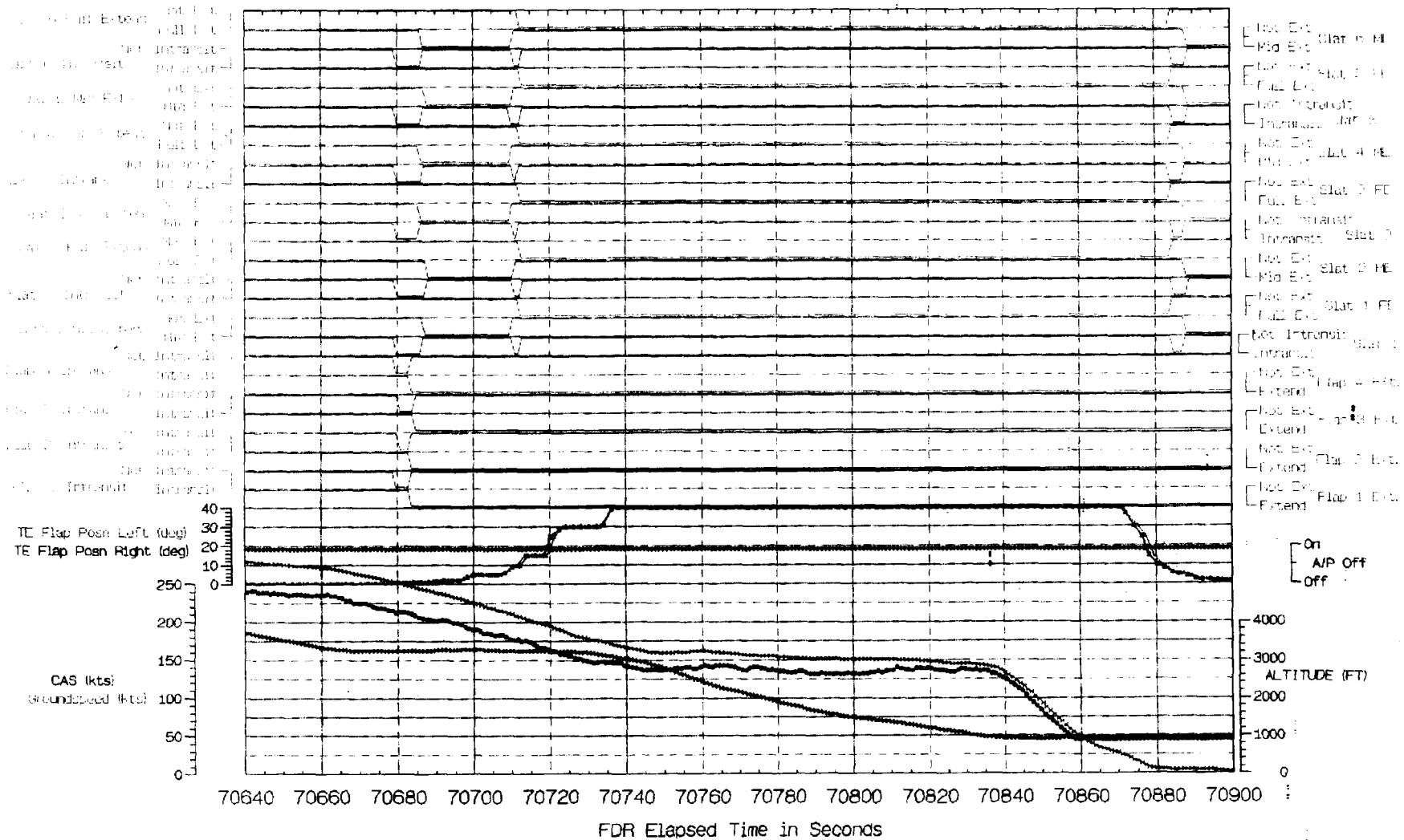
Finalized Data - Approach
 Revised: December 21, 2000

National Transportation Safety Board

Southwest Flight 1713

Boeing 737-300, N335SW

Burbank, California, March 5, 2000



Finalized - Approach - Flaps and Slats

Revised: October 19, 2000

National Transportation Safety Board