DC-8 Mission Director Log

Mission Name: AFWEX
Flight Number: 010108
Day : 342
Date: Dec 07, 2000

23:12:37 | Pilot for Today's flight is Gordon Fullerton, Co - Ed
| Lewis, FE - Doug Baker, Nav - Kevin Hall

23:13:02 | Mission Director - Chris Miller, AMD - Mike Kapitzke,
| MDT - Josh Bloom

23:15:57 | Mission will be first for AeroSAPIENT. We will do
| some S-turns while they try to transfer data and stay
| locked on the satellite. We will then follow those
| maneuvers with AFWEX bowties/dogbones over the CART
| sight along with spirals up and down.

23:21:22 | GPS-2 has been selected for EU conversions.

23:36:28 | All instruments are Go before taxi

00:06:17 | Brake Release at 00:04:21

00:06:26 | Take Off at 00:04:52

00:06:37 | Power Checks are good

00:06:43 | Climbing to 15000ft

00:12:07 | climbing to fl370

00:14:42 | Waypoint #2
|
| Next waypoint: ? NMS: 1
| Pressure alt: 23386 Latitude: +35 47.0
| Radar alt: 22632 Longitude: -097 59.3

00:16:53 | cleared to fl390

00:18:50 | Cargo Temps 70/70/75/75/79/88
|

00:25:19 | >>>> Start of run: 1 hour orbit
|
| Next waypoint: ? NMS: 1
| Pressure alt: 35104 Latitude: +36 11.2
| Radar alt: 33937 Longitude: -099 09.8

00:33:35 | Level off at fl390

00:34:44 | Cargo Temps at altitude 74/70/73/70/75/80

00:39:04 | NO Check Complete

00:51:17 | All instruments and Mission Science is Go

01:02:28 | Slight haze layer below the airplane at fl390

01:10:56 | One circle complete continuing to comple
|
| Next waypoint: ? NMS: 1
| Pressure alt: 38946 Latitude: +36 11.5

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         | Radar alt:        37799              Longitude: -099 09.8
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01:21:48 | 2-stage hygrometer has been selected for EU
         | conversions.
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01:25:19 | >>>> End of run: 1 hour orbit
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     39010              Latitude:   +37 21.2
         | Radar alt:        37307              Longitude: -099 48.0
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         |
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01:26:27 | descending to fl370
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01:30:12 | Line start first side of box
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     36975              Latitude:   +37 39.5
         | Radar alt:        35269              Longitude: -099 55.4
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01:37:35 | climbing back to fl390
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01:42:22 | Line stop
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     39035              Latitude:   +38 01.6
         | Radar alt:        37887              Longitude: -098 23.8
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01:44:18 | Line start second side of the box
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     38956              Latitude:   +37 55.6
         | Radar alt:        37934              Longitude: -098 10.8
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01:55:02 | CPA
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     39006              Latitude:   +36 36.9
         | Radar alt:        38633              Longitude: -097 31.2
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02:00:03 | Line stop
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     39016              Latitude:   +35 59.8
         | Radar alt:        38736              Longitude: -097 13.5
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02:06:30 | Line start third box side
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     38996              Latitude:   +35 21.2
         | Radar alt:        38483              Longitude: -097 22.1
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02:21:30 | Line stop
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         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     39026               Latitude:   +34 49.5
         | Radar alt:        38514               Longitude: -099 27.3
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02:23:47 | Line start forth box side
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     38978               Latitude:   +34 55.4
         | Radar alt:        38184               Longitude: -099 41.0
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02:29:07 | climbing to fl410
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02:38:57 | Line stop
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     41036               Latitude:   +36 22.8
         | Radar alt:        39173               Longitude: -100 23.7
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02:43:43 | Line start S-turn legs
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     40962               Latitude:   +36 45.1
         | Radar alt:        39421               Longitude: -100 15.0
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02:49:33 | >>>> Start of run: S-Turn @ Bank 10
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     40992               Latitude:   +36 57.4
         | Radar alt:        40088               Longitude: -099 26.9
--------------
02:50:25 | >>>> End of run: S-Turn @ Bank 10
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     41000               Latitude:   +36 59.8
         | Radar alt:        39804               Longitude: -099 20.2
------------------------------------------------------------------------
         |
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         |
------------------------------------------------------------------------
02:50:35 | >>>> Start of run: S-Turn @ Bank 15
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     40991               Latitude:   +37 00.2
         | Radar alt:        39732               Longitude: -099 18.9
--------------
02:52:26 | >>>> End of run: S-Turn @ Bank 15
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     41048               Latitude:   +37 05.5
         | Radar alt:        40021               Longitude: -099 05.1
------------------------------------------------------------------------
         |
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         |
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02:52:37 | >>>> Start of run: S-Turn @ Bank 20
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         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    40992              Latitude:   +37 05.5
         | Radar alt:       40000              Longitude: -099 03.5
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02:53:55 | >>>> End of run: S-Turn @ Bank 20
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    41012              Latitude:   +37 06.3
         | Radar alt:       40079              Longitude: -098 52.3
-----------------------------------------------------------------------
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02:53:58 | >>>> Start of run: S-Turn @ Bank 25
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    40996              Latitude:   +37 06.2
         | Radar alt:       40103              Longitude: -098 51.9
--------------
02:55:16 | >>>> End of run: S-Turn @ Bank 25
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    41000              Latitude:   +37 06.8
         | Radar alt:       40216              Longitude: -098 40.8
-----------------------------------------------------------------------
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-----------------------------------------------------------------------
02:55:50 | >>>> Start of run: S-Turn @ Bank 30
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    40966              Latitude:   +37 06.1
         | Radar alt:       40219              Longitude: -098 35.8
--------------
02:56:43 | >>>> End of run: S-Turn @ Bank 30
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    40750              Latitude:   +37 06.6
         | Radar alt:       39981              Longitude: -098 28.4
-----------------------------------------------------------------------
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03:00:42 | descending to fl350
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03:02:18 | >>>> Start of run: S-Turn @ Bank 40
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    39041              Latitude:   +37 07.4
         | Radar alt:       38503              Longitude: -097 39.7
--------------
03:03:16 | >>>> End of run: S-Turn @ Bank 40
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    37862              Latitude:   +37 05.2
         | Radar alt:       37397              Longitude: -097 30.8
-----------------------------------------------------------------------
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03:03:28 | >>>> Start of run: S-Turn @ Bank 45
         |
         | Next waypoint:       ?              NMS:              1
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         | Pressure alt:     37382              Latitude:   +37 05.2
         | Radar alt:        36825              Longitude: -097 28.9
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03:04:18 | >>>> End of run: S-Turn @ Bank 45
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     36450              Latitude:   +37 03.6
         | Radar alt:        36018              Longitude: -097 21.2
-------------------------------------------------------------------------
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-------------------------------------------------------------------------
03:09:10 | >>>> Start of run: S-Turn @ Bank 10
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35050              Latitude:   +37 09.2
         | Radar alt:        34485              Longitude: -097 23.5
--------------
03:09:51 | >>>> End of run: S-Turn @ Bank 10
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35183              Latitude:   +37 06.4
         | Radar alt:        34664              Longitude: -097 29.0
-------------------------------------------------------------------------
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-------------------------------------------------------------------------
03:10:01 | >>>> Start of run: S-Turn @ Bank 15
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35201              Latitude:   +37 05.8
         | Radar alt:        34776              Longitude: -097 30.4
--------------
03:10:36 | >>>> End of run: S-Turn @ Bank 15
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35070              Latitude:   +37 03.1
         | Radar alt:        34575              Longitude: -097 35.0
-------------------------------------------------------------------------
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-------------------------------------------------------------------------
03:10:42 | >>>> Start of run: S-Turn @ Bank 20
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35076              Latitude:   +37 02.7
         | Radar alt:        34545              Longitude: -097 36.0
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03:11:26 | >>>> End of run: S-Turn @ Bank 20
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35028              Latitude:   +36 59.4
         | Radar alt:        34525              Longitude: -097 41.8
-------------------------------------------------------------------------
         |
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-------------------------------------------------------------------------
03:11:32 | >>>> Start of run: S-Turn @ Bank 25
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35057              Latitude:   +36 59.0
         | Radar alt:        34555              Longitude: -097 42.6
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03:12:17 | >>>> End of run: S-Turn @ Bank 25
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         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     35032               Latitude:   +36 55.4
         | Radar alt:        34593               Longitude: -097 48.5
-------------------------------------------------------------------------
         |
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         |
-------------------------------------------------------------------------
03:12:23 | >>>> Start of run: S-Turn @ Bank 30
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     34971               Latitude:   +36 55.0
         | Radar alt:        34535               Longitude: -097 49.3
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03:13:08 | >>>> End of run: S-Turn @ Bank 30
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     35034               Latitude:   +36 51.0
         | Radar alt:        34632               Longitude: -097 54.6
-------------------------------------------------------------------------
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03:13:16 | >>>> Start of run: S-Turn @ Bank 35
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     34970               Latitude:   +36 50.3
         | Radar alt:        34552               Longitude: -097 55.7
--------------
03:14:04 | >>>> End of run: S-Turn @ Bank 35
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     34972               Latitude:   +36 45.5
         | Radar alt:        34546               Longitude: -098 00.8
-------------------------------------------------------------------------
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-------------------------------------------------------------------------
03:14:16 | >>>> Start of run: S-Turn @ Bank 40
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     34924               Latitude:   +36 44.6
         | Radar alt:        34632               Longitude: -098 02.4
--------------
03:14:58 | >>>> End of run: S-Turn @ Bank 40
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     34837               Latitude:   +36 40.7
         | Radar alt:        34409               Longitude: -098 07.0
-------------------------------------------------------------------------
         |
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-------------------------------------------------------------------------
03:15:04 | >>>> Start of run: S-Turn @ Bank 45
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     34829               Latitude:   +36 40.3
         | Radar alt:        34502               Longitude: -098 07.8
--------------
03:15:56 | >>>> End of run: S-Turn @ Bank 45
         |
         | Next waypoint:        ?               NMS:               1
         | Pressure alt:     34688               Latitude:   +36 35.2
         | Radar alt:        34033               Longitude: -098 13.3
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03:17:47 | >>>> Start of run: S-Turn @ Bank 50
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     35272              Latitude:   +36 28.2
         | Radar alt:        34812              Longitude: -098 28.6
--------------
03:18:32 | >>>> End of run: S-Turn @ Bank 50
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     34850              Latitude:   +36 22.8
         | Radar alt:        34382              Longitude: -098 30.0
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03:24:00 | climbing to fl370
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03:24:35 | beginning the AFWEX portion and lining up on the cart
         | sight'
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03:27:01 | climbing to fl410 under proteus
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03:31:39 | level at fl410
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03:31:56 | turning to line up on the cart sight and begin the
         | first overpass
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---------------------------------------------------------------------
03:33:30 | >>>> Start of run: FL410 #1
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     40878              Latitude:   +36 15.7
         | Radar alt:        40366              Longitude: -098 10.1
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03:33:53 | disregard will restart
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         |
---------------------------------------------------------------------
03:34:31 | >>>> Start of run: FL410 #1
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     40884              Latitude:   +36 19.4
         | Radar alt:        40440              Longitude: -098 02.6
--------------
03:39:19 | CPA
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     41059              Latitude:   +36 37.1
         | Radar alt:        40686              Longitude: -097 30.1
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03:44:19 | >>>> End of run: FL410 #1
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     41041              Latitude:   +36 54.9
         | Radar alt:        40600              Longitude: -096 56.7
---------------------------------------------------------------------
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03:44:59 | Cargo Temps 50/50/54/53/53/64
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03:52:22 | >>>> Start of run: Spiral Down to fl250
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     41022             Latitude:   +36 36.6
         | Radar alt:        40677             Longitude: -097 38.9
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03:52:32 | spirals at 7.5mile radius
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03:52:41 | cleared to fl350
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03:54:01 | cleared to fl250
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03:54:55 | Power checks are good
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04:08:34 | >>>> End of run: Spiral Down to fl250
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     25080             Latitude:   +36 36.2
         | Radar alt:        24436             Longitude: -097 23.1
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04:08:51 | Setting up for the first level dogbone which will be
         | upwind
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04:09:37 | First leg will be downwind, not upwind
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         |
-------------------------------------------------------------------------
04:19:41 | >>>> Start of run: FL250 #1
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     25018             Latitude:   +37 03.8
         | Radar alt:        24335             Longitude: -097 39.6
--------------
04:24:25 | CPA
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     25049             Latitude:   +36 36.6
         | Radar alt:        24513             Longitude: -097 27.7
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04:29:41 | >>>> End of run: FL250 #1
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     25052             Latitude:   +36 03.7
         | Radar alt:        24545             Longitude: -097 18.2
-------------------------------------------------------------------------
         |
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04:32:58 | Level-off
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     28032             Latitude:   +35 58.2
         | Radar alt:        27852             Longitude: -097 06.2
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         |
-------------------------------------------------------------------------
04:35:00 | >>>> Start of run: FL280 #1
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     28030             Latitude:   +36 08.2
         | Radar alt:        27649             Longitude: -097 12.2
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04:40:26 | CPA
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    28022              Latitude:   +36 36.9
         | Radar alt:       27656              Longitude: -097 30.0
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04:45:00 | >>>> End of run: FL280 #1
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    27997              Latitude:   +37 00.6
         | Radar alt:       27437              Longitude: -097 44.9
-------------------------------------------------------------------------
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04:45:24 | climbing to FL310
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04:48:43 | level at FL310
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-------------------------------------------------------------------------
04:50:20 | >>>> Start of run: FL310 #1
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    30925              Latitude:   +36 60.0
         | Radar alt:       30374              Longitude: -097 56.5
--------------
04:54:44 | CPA
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    30990              Latitude:   +36 37.0
         | Radar alt:       30737              Longitude: -097 29.9
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05:00:20 | >>>> End of run: FL310 #1
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    31005              Latitude:   +36 08.6
         | Radar alt:       30747              Longitude: -096 58.0
-------------------------------------------------------------------------
         |
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05:00:30 | climbing to FL350
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05:04:46 | level at FL350
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         |
-------------------------------------------------------------------------
05:07:55 | >>>> Start of run: FL350 #1
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    35021              Latitude:   +36 11.7
         | Radar alt:       34777              Longitude: -097 01.8
--------------
05:12:50 | CPA
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    34988              Latitude:   +36 36.8
         | Radar alt:       34825              Longitude: -097 29.9
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05:17:55 | >>>> End of run: FL350 #1
         |
         | Next waypoint:       ?              NMS:              1
         | Pressure alt:    34956              Latitude:   +37 00.7
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         | Radar alt:       34446              Longitude: -097 57.3
-------------------------------------------------------------------------
         |
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05:18:12 | climbing to FL410
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05:19:53 | waiting for traffic before climb to FL410
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05:20:05 | climbing to FL410
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05:23:25 | pausing at FL390 for traffic
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05:24:52 | resuming climb to FL410
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05:26:47 | level at FL410
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         |
-------------------------------------------------------------------------
05:27:41 | >>>> Start of run: FL410 #2
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:    41077              Latitude:   +37 12.5
         | Radar alt:       40670              Longitude: -097 39.0
--------------
05:32:05 | CPA
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:    41004              Latitude:   +36 37.1
         | Radar alt:       40780              Longitude: -097 30.0
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05:37:41 | >>>> End of run: FL410 #2
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:    40998              Latitude:   +35 53.2
         | Radar alt:       40603              Longitude: -097 19.0
-------------------------------------------------------------------------
         |
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05:38:18 | maneuvering for crosswind legs at FL410
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-------------------------------------------------------------------------
05:52:00 | >>>> Start of run: FL410 #3 crosswind
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:    40962              Latitude:   +36 47.3
         | Radar alt:       40659              Longitude: -096 49.1
--------------
05:56:58 | CPA
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:    41021              Latitude:   +36 36.9
         | Radar alt:       40800              Longitude: -097 29.9
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06:02:00 | >>>> End of run: FL410 #3 crosswind
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:    41050              Latitude:   +36 25.7
         | Radar alt:       40461              Longitude: -098 12.4
-------------------------------------------------------------------------
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06:02:26 | descending to FL350
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06:05:53 | level at FL350
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06:06:10 | >>>> Start of run: FL350 #3 crosswind
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     34782              Latitude:   +36 35.6
         | Radar alt:        34322              Longitude: -098 20.7
--------------
06:11:55 | CPA
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     34980              Latitude:   +36 37.1
         | Radar alt:        34710              Longitude: -097 30.1
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06:16:10 | >>>> End of run: FL350 #3 crosswind
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     34986              Latitude:   +36 37.9
         | Radar alt:        34651              Longitude: -096 54.8
-------------------------------------------------------------------
         |
--------------
06:16:42 | descending to FL310
--------------
06:20:04 | level at FL310
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         |
-------------------------------------------------------------------
06:20:50 | >>>> Start of run: FL310 #3 crosswind
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     30980              Latitude:   +36 49.8
         | Radar alt:        30455              Longitude: -096 51.3
--------------
06:27:07 | CPA
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     31003              Latitude:   +36 36.9
         | Radar alt:        30732              Longitude: -097 29.9
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06:30:50 | >>>> End of run: FL310 #3 crosswind
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     31010              Latitude:   +36 29.3
         | Radar alt:        30494              Longitude: -097 52.6
-------------------------------------------------------------------
         |
--------------
06:31:18 | descending to fl250
--------------
06:34:16 | level at fl250
--------------
         |
-------------------------------------------------------------------
06:34:33 | >>>> Start of run: FL250 #3
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     24992              Latitude:   +36 20.7
         | Radar alt:        24344              Longitude: -097 50.1
--------------
06:38:52 | CPA
         |
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         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     25042             Latitude:   +36 37.1
         | Radar alt:        24512             Longitude: -097 30.0
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06:44:33 | >>>> End of run: FL250 #3
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     25040             Latitude:   +36 57.9
         | Radar alt:        24304             Longitude: -097 04.3
-------------------------------------------------------------------------
         |
--------------
06:45:07 | climbing to FL280
--------------
06:47:30 | level at FL280
--------------
         |
-------------------------------------------------------------------------
06:48:02 | >>>> Start of run: FL280 #4
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     28030             Latitude:   +36 52.5
         | Radar alt:        27466             Longitude: -096 54.2
--------------
06:54:00 | CPA
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     28043             Latitude:   +36 36.9
         | Radar alt:        27680             Longitude: -097 30.0
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06:58:02 | >>>> End of run: FL280 #4
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     28048             Latitude:   +36 26.0
         | Radar alt:        27389             Longitude: -097 54.8
-------------------------------------------------------------------------
         |
--------------
06:58:37 | climbing to FL410
--------------
07:07:40 | level at FL410
--------------
         |
-------------------------------------------------------------------------
07:07:50 | >>>> Start of run: FL410 #4
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     41086             Latitude:   +36 30.9
         | Radar alt:        40520             Longitude: -098 17.2
--------------
07:13:17 | CPA
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     40996             Latitude:   +36 37.1
         | Radar alt:        40773             Longitude: -097 30.0
--------------

--------------
07:17:50 | >>>> End of run: FL410 #4
         |
         | Next waypoint:       ?              NMS:               1
         | Pressure alt:     41040             Latitude:   +36 42.0
         | Radar alt:        40674             Longitude: -096 50.5
-------------------------------------------------------------------------
```

```
         |
--------------
         |
-------------------------------------------------------------------------
07:21:06 | >>>> Start of run: Spiral Down to 5000ft. shallow bank
         |
         | Next waypoint:        ?              NMS:               1
         | Pressure alt:     40924              Latitude:   +36 29.4
         | Radar alt:        40619              Longitude: -096 46.5
--------------
07:25:37 | beginning descent
--------------
07:42:30 | pause at FL250
--------------
07:43:58 | resuming descent to 5000ft.
--------------
07:47:29 | Instrument Status/Debrief
--------------
07:50:12 | AeroSAPIENT - Good Flight under 1 hour post flight
--------------
07:50:33 | COAST - Good Flight, no post flight time
--------------
07:50:58 | LASE - Very Good flight, thin cirrus, 45 min post
         | flight
--------------
07:51:12 | SHIS - Flawless flight, 40 min post flight
--------------
07:51:27 | DLH - Good flight, few minutes post
--------------
07:51:42 | DADS - Great flight, less than 1 hour
--------------
07:52:05 | Science - Great flight, wants more.
--------------
08:04:14 | Level at 5000ft and RTB
--------------

Touchdown time was 342 08:27:08 Z.

DADS data systems on-line before takeoff and off-line after landing.
```