September 20, 2004

Takeoff from Dryden, land at Elmendorf.

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Mission:Alaska deployment  Flt Date:   9/20/04   Takeoff:   16:15   Land:
==============================================================================
     Hubbard     | T-El F-Alt Spd Trk   Len   Look  Mode   BW  PL   PRFR  DigDly
      320-2      | 2000 30.0  420 320 10.+9.0  60  XTI2P   20  10   1.00    84
------------------------------------------------------------------------------
      PI       |  Run Start     CPA       Run End     Target    |HDDR Tape# Drift
  C. Lingle    |  59  40.31   60  34.2    61  21.84   60  30.0  |  04052   |11.0
               |-137  33.15 -139   1.8  -140  25.76 -139  12.0  |_________________
   Aug 2004    20:29:20  _________________20:48:15_____ ___________ <--GMT
    hn3.rdf    1000 ___________ 251700 ___________ <--IDR (A/B)
               1239000 ___________ 1336000 ___________ <--Frame Count
Comments:  Site is Hubbard Glacier, Alaska/Yukon.  Craig Lingle
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QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

Cloudy, a bit bumpy. High drift, up to 12.2, bumpy towards end of line.
200000 IDR near glacier.

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==============================================================================
     Hubbard     | T-El F-Alt Spd Trk   Len   Look  Mode   BW  PL   PRFR  DigDly
      140-2      | 2000 30.0  420 140 9.6+8.6  60  XTI2P   20  10   1.00    84
------------------------------------------------------------------------------
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     PI      |  Run Start     CPA       Run End     Target    |HDDR Tape# Drift
  C. Lingle  |  61  16.61   60  25.8    59  39.40   60  30.0  | 04052 |-13.8
             |-141  30.09 -140   0.6  -138  44.32 -139  50.4  |_________________
   Aug 2004   20:57:22 ___________ 21:15:38 ___________ <--GMT
    hn4.rdf   251700 ___________ 493200 ___________ <--IDR (A/B)
              1376000 ___________ 14680000 ___________ <--Frame Count
Comments:  Site is Hubbard Glacier, Alaska/Yukon.  Craig Lingle
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QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

Cloudy. Slow at start, sped up during first 30sec. Drift decreased to –12.6 by end of run.
Idr 280000 glacier

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==============================================================================
     Hubbard     | T-El F-Alt Spd Trk   Len   Look  Mode   BW  PL   PRFR  DigDly
      320-1      | 2000 30.0  420 320 10.+9.0  60  XTI2P   20  10   1.00    84
------------------------------------------------------------------------------
     PI      |  Run Start     CPA       Run End     Target    |HDDR Tape# Drift
  C. Lingle  |  59  40.31   60  34.2    61  21.84   60  30.0  | 04053  |12.3
             |-137  53.55 -139  22.2  -140  46.16 -139  32.4  |_________________
   Aug 2004   21:23:11 ___________ 21:42:15 ___________ <--GMT
    hn1.rdf   1000 ___________ 251400 ___________ <--IDR (A/B)
```

1508000 _____ 1603000 _____ <--Frame Count
Comments: Site is Hubbard Glacier, Alaska/Yukon. Craig Lingle

QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

Cloudy. Relatively smooth. Yaw increases to 13.3 in middle of line. Yaw increases to 14.6 at end of run.
Decoder crashed towards end of run.
182000 idr glacier – transfer for quicklook.

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==============================================================================
     Hubbard     | T-El F-Alt Spd Trk   Len   Look  Mode   BW  PL   PRFR  DigDly
      140-1      | 2000 30.0  420 140 9.6+8.6  60  XTI2P   20  10   1.00    84
------------------------------------------------------------------------------
      PI       |  Run Start     CPA       Run End     Target    |HDDR Tape# Drift
  C. Lingle    |  61  16.61   60  25.8    59  39.40   60  30.0  |04053 |-10.7
               |-141  51.09 -140  21.6  -139   5.32 -140  11.4  |_________________
   Aug 2004    21:52:45 _____________ 22:11:00 _____________ <--GMT
    hn2.rdf    251400 _____________ 492000 _____________ <--IDR (A/B)
               1650000 _____________ 1742000 _____________ <--Frame Count
Comments:  Site is Hubbard Glacier, Alaska/Yukon.  Craig Lingle
```

QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

Cloudy. Bumpy towards beginning of run. Yaw increases to –13.3 at mid-line.
330,000 IDR glacier.

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==============================================================================
     Bering      | T-El F-Alt Spd Trk   Len   Look  Mode   BW  PL   PRFR  DigDly
      54-1       | 1000 30.0  420  54 7.3+6.3  45  XTI2P   40  10   1.00    91
------------------------------------------------------------------------------
      PI       |  Run Start     CPA       Run End     Target    |HDDR Tape# Drift
   R. Bruhn    |  59  43.77   60  14.1    60  39.55   60  17.6  | 04054  |-5.6
               |-144  23.11 -143   2.0  -141  50.02 -143   7.1  |________________
   Aug 2004     22:42:41 ___________ 22:52:02 ___________ <--GMT
    b3c.rdf     1000 ___________ 157600 ___________ <--IDR (A/B)
                18820000 ___________ 19460000 ___________ <--Frame Count
Comments:  Site is Bering Glacier, Alaska.  Bruhn
```

GPS altitude: 29600, 29585 towards middle of line, 29670 towards end of line. roll in the middle of run.

QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

Cloudy. pitch is over 3 deg. Speed is 430.

Idr 130000 glacier.

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================================================================================
     Stellar     | T-El F-Alt Spd Trk   Len   Look  Mode   BW  PL   PRFR  DigDly
      232-1      | 1000 30.0  420 232 5.7+4.7  45  XTI2P   40  10   1.00    91
--------------------------------------------------------------------------------
      PI      |  Run Start     CPA       Run End     Target    |HDDR Tape# Drift
   R. Bruhn   |  60  57.06   60  32.6    60  12.08   60  29.2  | 04054 |3.0
              |-142  30.84 -143  35.8  -144  28.23 -143  30.4  |_________________
   Aug 2004    23:00:00 ___________ 23:10:40 ___________ <--GMT
    ste.rdf    157600 ___________ 297900 ___________ <--IDR (A/B)
               1979000 ___________ 20320000 ___________ <--Frame Count
Comments:  Site is Stellar Glacier, Alaska.  Bruhn
```

QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

Mostly cloudy.
GPS altitude:29680, dipped to 29640 towards mid line, 29550., 29500 at end of line.

Glacier 179000 idr

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==============================================================================
    Columbia     | T-El F-Alt Spd Trk   Len   Look  Mode   BW  PL   PRFR  DigDly
      335-1      | 1000 30.0  420 335 6.5+5.5  45  XTI2P   40  10   1.00    91
------------------------------------------------------------------------------
      PI       |  Run Start     CPA       Run End     Target    |HDDR Tape# Drift
   R. Bruhn    |  60  41.76   61  23.1    61  57.89   61  21.2  | 04054 | 9.2
               |-146  27.57 -147   6.8  -147  41.34 -147  15.0  |_________________
   Aug 2004     23:21 ___________ 23:33 ___________ <--GMT
    col.rdf     297900 ___________ 457000 ___________ <--IDR (A/B)
                20830000 ___________ 21440000 ___________ <--Frame Count
Comments:  Site is Columbia-Matanuska Glacier, Alaska.  Bruhn
cloudy. relatively smooth.  Drift dropped to 7 by end of run.
GPS Altitude: 29215., 29185, 29270
Glacier 420000idr.
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Redeployment to Alaska following an accident on September 22 ,2004 at Elmendorf. The DC-8 was repaired, and the deployment resumed from Dryden on November 29, 2004.