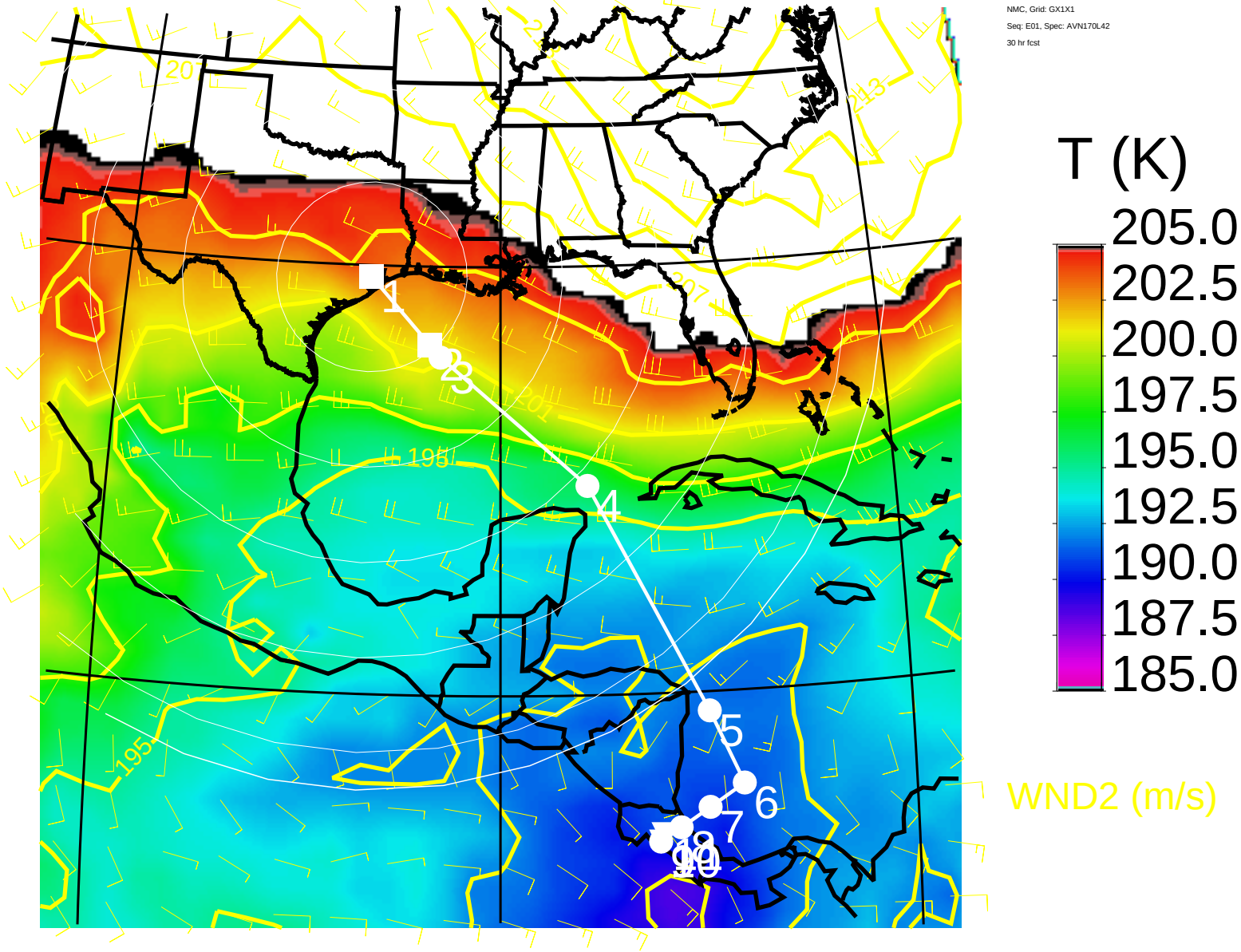
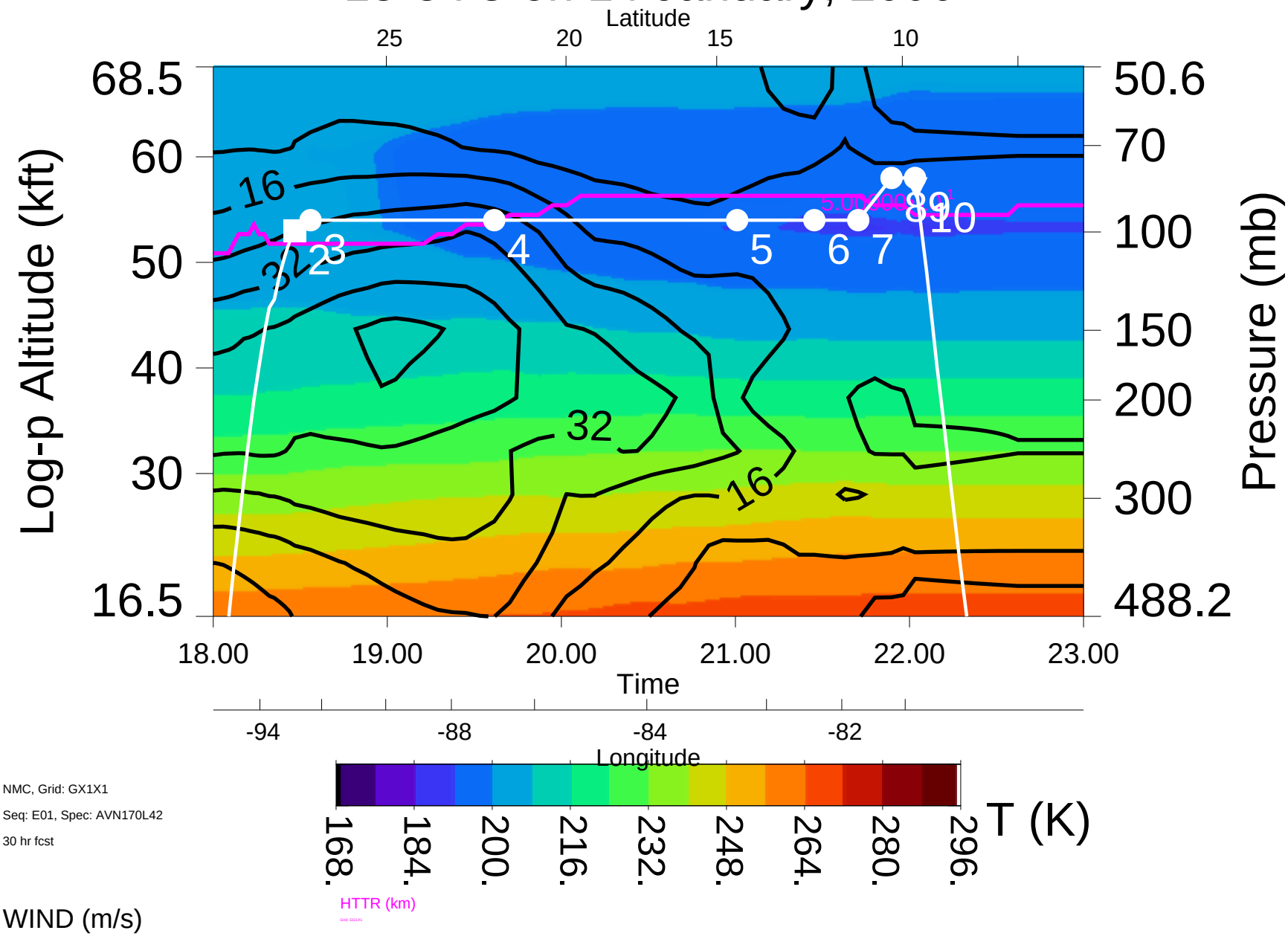
# 18 UTC on 14 January, 2006 at 100.0 mb




T (K)

# 18 UTC on 14 January, 2006



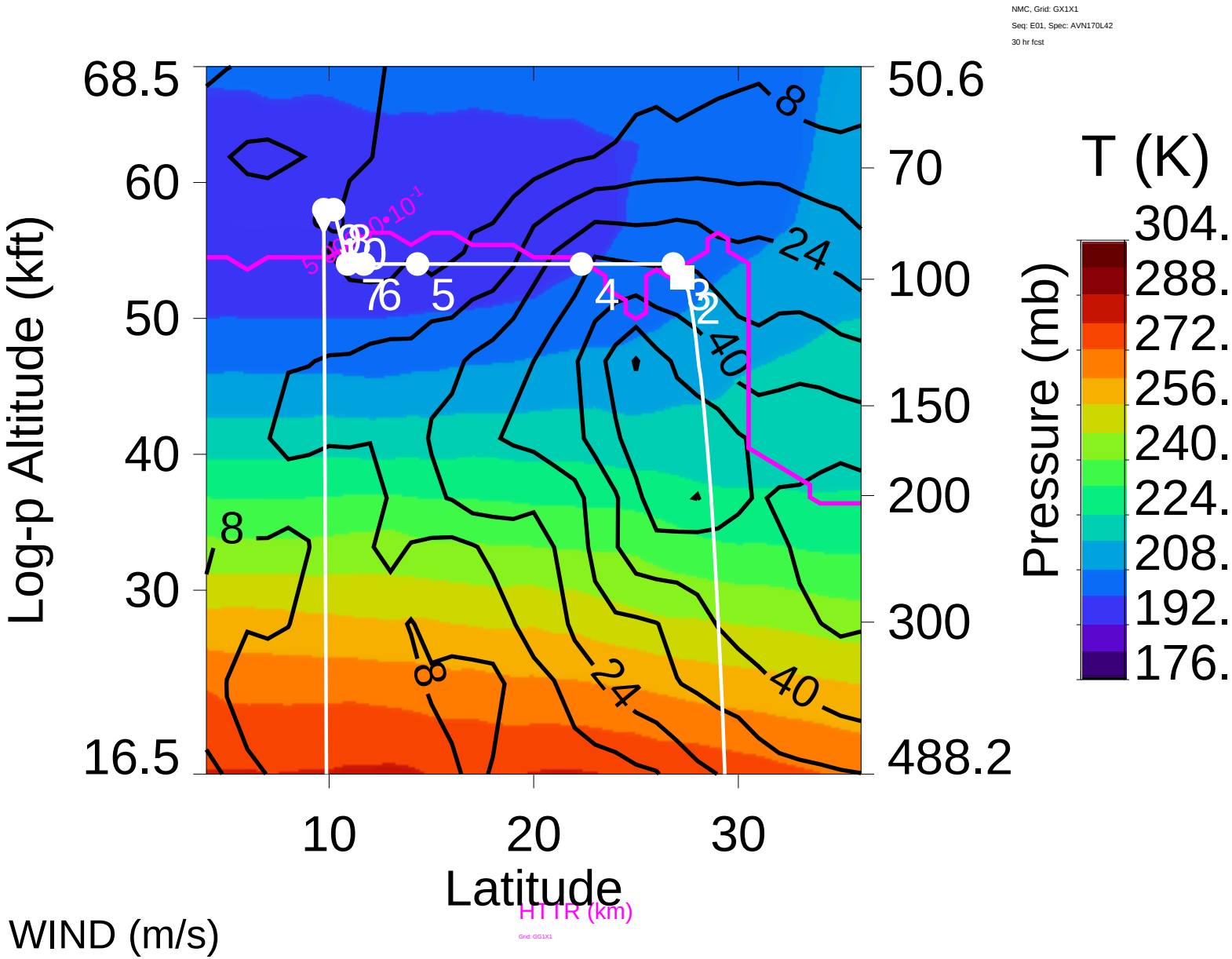

NMC, Grid: GX1X1

Seq: E01, Spec: AVN170L42

30 hr fcst

WIND (m/s)

# 18 UTC on 14 January, 2006 at -88.0 Longitude



Flight Plan 2006-01-14i

INFORMATION ABOUT THE PROPOSED WAY POINTS ON THIS FLIGHT:

| PT # | LAT | LON | GMT TIME | SZA | ALT (kft) | DIST (nmi) |
|---|---|---|---|---|---|---|
| Takeoff | | | | | | |
| 1 | 29o 36’N | 95o 10’W | 18:00 | 51.5 | 0.0 | 0.00 |
| 2 | 27o 16’N | 92o 47’W | 18:28 | 48.7 | 53.0 | 188.71 |
| 3 | 26o 49’N | 92o 20’W | 18:34 | 48.3 | 54.0 | 35.33 |
| 4 | 22o 20’N | 86o 43’W | 19:37 | 50.1 | 54.0 | 408.04 |
| 5 | 14o 19’N | 82o 27’W | 21:01 | 61.0 | 54.0 | 538.47 |
| 6 | 11o 42’N | 81o 16’W | 21:27 | 66.0 | 54.0 | 171.65 |
| 7 | 10o 54’N | 82o 31’W | 21:42 | 67.8 | 54.0 | 87.82 |
| 8 | 10o 13’N | 83o 34’W | 21:54 | 69.0 | 58.0 | 74.16 |
| 9 | 9o 44’N | 84o 19’W | 22:02 | 69.9 | 58.0 | 52.36 |
| Spiral down at 2000 ft/min | | | | | | |
| 10 | 9o 44’N | 84o 19’W | 22:02 | 70.0 | 57.0 | 0.00 |
| Land | | | | | | |
| 11 | 10o 00’N | 84o 13’W | 22:37 | 78.0 | 0.0 | 16.48 |

COMMENTS ABOUT THIS FLIGHT:

1 box maneuver(s) during this flight

* Denotes a marked point

Flight Plan 2006-01-14i

Meteorological Data: Date: 2006-01-14 Hour: 18 Source: NMC Sequence: E01 Special: AVN170L42 (30-hr forecast)

| | Date | Time (GMT) | Lat (deg) | Lon (deg) | Location |
|---|---|---|---|---|---|
| Takeoff: | 2006-01-14 | 18:00 | 29o 36’N | 95o 10’W | NASA Johnson |
| Landing: | 2006-01-14 | 22:38 | 10o 00’N | 84o 13’W | Juan Santamaria |

| Latitude (degrees) | Longitude (degrees) | Time (GMT) | Wind Corrected Time | Altitude (feet) | Distance to Next Pt (nmi) | True Bearing (degrees) | Temperature (celsius) | Wind Speed (knots) | Wind Direction (degrees) | Wnd Corr Angle (degrees) | SZA (degrees) | Sun Azim. Rel A/C (degrees) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * 29o 36’N | 95o 10’W | 18:00 | 18:00 | 0 000 | 188.71 | 137.43 | 7.54 | 14 | 59 ENE | 999 L | 51.5 | 33.7 |
| * 27o 16’N | 92o 47’W | 18:28 | 18:30 | 53 000 | 35.33 | 138.57 | -72.65 | 45 | 287 WNW | 2 R | 48.7 | 43.9 |
| * 26o 49’N | 92o 20’W | 18:34 | 18:35 | 54 000 | 94.16 | 130.10 | -72.91 | 45 | 288 WNW | 3 R | 48.3 | 54.6 |
| 25o 48’N | 91o 00’W | 18:48 | 18:48 | 54 000 | 94.16 | 130.69 | -73.61 | 49 | 288 WNW | 2 R | 47.9 | 60.4 |
| 24o 46’N | 89o 42’W | 19:03 | 19:01 | 54 000 | 94.16 | 131.25 | -74.65 | 51 | 284 WNW | 2 R | 48.0 | 66.1 |
| 23o 44’N | 88o 24’W | 19:17 | 19:14 | 54 000 | 94.16 | 131.78 | -76.58 | 54 | 283 WNW | 3 R | 48.6 | 71.6 |
| 22o 41’N | 87o 08’W | 19:32 | 19:27 | 54 000 | 31.39 | 132.28 | -77.74 | 53 | 284 WNW | 3 R | 49.7 | 77.0 |
| * 22o 20’N | 86o 43’W | 19:37 | 19:31 | 54 000 | 63.35 | 152.46 | -78.21 | 50 | 284 WNW | 3 R | 50.1 | 58.7 |
| 21o 24’N | 86o 12’W | 19:47 | 19:41 | 54 000 | 95.02 | 152.65 | -79.54 | 42 | 291 WNW | 4 R | 50.9 | 62.0 |
| 19o 59’N | 85o 25’W | 20:02 | 19:55 | 54 000 | 95.02 | 152.92 | -80.61 | 29 | 298 WNW | 2 R | 52.3 | 66.7 |
| 18o 34’N | 84o 40’W | 20:16 | 20:09 | 54 000 | 95.02 | 153.18 | -81.44 | 24 | 248 WSW | 3 R | 54.0 | 70.9 |
| 17o 09’N | 83o 55’W | 20:31 | 20:23 | 54 000 | 95.02 | 153.41 | -81.57 | 20 | 257 WSW | 3 R | 56.1 | 74.8 |
| 15o 44’N | 83o 11’W | 20:46 | 20:38 | 54 000 | 95.02 | 153.61 | -82.20 | 17 | 227 SW | 2 R | 58.4 | 78.3 |
| * 14o 19’N | 82o 27’W | 21:01 | 20:53 | 54 000 | 102.99 | 156.17 | -82.26 | 20 | 183 S | 2 R | 61.0 | 79.1 |
| 12o 45’N | 81o 44’W | 21:17 | 21:10 | 54 000 | 68.66 | 156.34 | -82.56 | 19 | 160 SSE | 0 R | 63.9 | 82.0 |
| * 11o 42’N | 81o 16’W | 21:27 | 21:21 | 54 000 | 29.27 | -123.01 | -82.72 | 20 | 153 SSE | 0 R | 66.0 | 3.2 |
| 11o 26’N | 81o 41’W | 21:33 | 21:27 | 54 000 | 58.54 | -123.09 | -82.73 | 21 | 147 SSE | 2 L | 66.8 | 3.8 |
| * 10o 54’N | 82o 31’W | 21:42 | 21:36 | 54 000 | 37.08 | -123.28 | -81.67 | 20 | 104 ESE | 2 L | 67.8 | 4.8 |
| 10o 34’N | 83o 03’W | 21:48 | 21:42 | 56 000 | 37.08 | -123.38 | -79.98 | 17 | 86 E | 1 L | 68.4 | 5.3 |
| * 10o 13’N | 83o 34’W | 21:54 | 21:47 | 58 000 | 52.36 | -123.31 | -79.97 | 17 | 89 E | 1 L | 69.0 | 5.7 |
| * 9o 44’N | 84o 19’W | 22:02 | 21:55 | 58 000 | 0.00 | 0.00 | -80.75 | 19 | 90 E | 1 L | 69.9 | -117.0 |
| * 9o 44’N | 84o 19’W | 22:02 | 21:55 | 57 000 | 16.48 | 18.82 | -82.52 | 25 | 138 SE | 155 R | 70.0 | -135.8 |
| * 10o 00’N | 84o 13’W | 22:37 | 22:39 | 0 000 | N/A | N/A | 28.70 | 7 | 39 NE | 33 R | 78.0 | N/A |

* Denotes a way point