

## U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF1

|                       |                    |                                   |
|-----------------------|--------------------|-----------------------------------|
| Flt ID: 020208N       | From: PANC         | To: PANC                          |
| Flt No: 02-27         | Blk In: 0251Z      | ATA: 0247Z                        |
| ETD: 20Z              | Blk Out: 1946Z     | ATD: 1953Z                        |
| ETE: 03Z              | Blk Time: 7:05 7.1 | Flt Time:                         |
| Sponsor Org: NOAA/NWS | Program: WS 2002   | Purpose: MISSION #7<br>TRACK 2002 |

## AOC Personnel

|                              |                          |
|------------------------------|--------------------------|
| AC: MLCANN, B ✓              | Sys Eng: HORN BROOK, C ✓ |
| CP: YATES, G ✓ / POSTON, R ✓ | Data Sys: LIWO, D -      |
| Nav:                         | Radar:                   |
| FE: KITSON, G / ROTTEVEEL, G | GPS/BT: MCNAMARA, R ✓    |
| FD: CZYZYK, S ✓              | Cld Phys:                |
| Avionics:                    | PM: PARRISH, J ✓         |

## Participating Scientists / Visitors / AOC

| Name (Last, First) | Activity on Aircraft | Affiliation |
|--------------------|----------------------|-------------|
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
|                    |                      |             |
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|                    |                      |             |
|                    |                      |             |

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

## U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF2

|                     |                |                                       |            |                   |         |
|---------------------|----------------|---------------------------------------|------------|-------------------|---------|
| Flt ID:             | 020208N        | Time Off:                             | 1953Z      | Time On:          | 0247Z   |
|                     | A/C (Take Off) | Wx Station (Take Off)                 | A/C (Land) | Wx Station (Land) |         |
| Pressure            | 1007.3         | 29.84                                 | 1009.5     | 29.89             |         |
|                     | Number         | Data Disposition / Date / Quality     |            |                   |         |
| Flt Lvl Tapes       | 1              |                                       |            |                   |         |
| Radar Tapes         |                |                                       |            |                   |         |
| Cloud Physics Tapes |                |                                       |            |                   |         |
| Video Tapes         |                |                                       |            |                   |         |
| CD                  | 1              |                                       |            |                   |         |
|                     |                |                                       |            |                   |         |
|                     |                |                                       |            |                   |         |
| AXBT                |                |                                       |            |                   |         |
| AXCP                |                |                                       |            |                   |         |
| AXCTD               |                |                                       |            |                   |         |
| Dropsondes          | 30             | 26XMIT 2NO WIND / 1NO TEMP / 1INT WND |            |                   |         |
|                     |                |                                       |            |                   |         |
| Video               |                |                                       |            |                   |         |
|                     | Forward        | Left Side                             | Right Side | Down              | Remarks |
| Time On             |                |                                       |            |                   |         |
| Time Off            |                |                                       |            |                   |         |
| Rate                |                |                                       |            |                   |         |
| Remarks             |                |                                       |            |                   |         |



Flight ID:

020208N

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Form 413-50

| TIME   | LAT  | Lon   | TK   | HO TA | TD    | WD    | WS  | PA   | GA    | PS    | QC    | REMARKS             |
|--------|------|-------|------|-------|-------|-------|-----|------|-------|-------|-------|---------------------|
| 2002   |      |       |      |       |       |       |     |      |       |       |       | LT TURN 20K↑        |
| 200520 |      |       |      |       |       |       |     |      |       |       |       | CLOUD TOP 26K       |
| 201720 | 5915 | 15015 | 182  | 184   | -49.4 | -64.7 | 214 | 21.0 | 11752 | 11099 | 200.6 | DROP #1 INT WIND    |
| 201929 | 5900 | 15018 | 184  | 186   | -49.6 | -64.1 | 215 | 19.2 | 11886 | 11253 | 196.3 | 84.6 DROP #1A       |
| 203245 | 5730 | 15030 | 179  | 180   | -49.0 | -64.7 | 208 | 23.0 | 11892 | 11293 | 196.1 | 95.1 DROP #2        |
| 204750 | 5545 | 15015 | 176  | 178   | -49.0 | -67.0 | 217 | 23.5 | 11901 | 11321 | 195.8 | 95.8 DROP #3        |
| 204922 | 5534 | 15013 |      |       |       |       |     |      |       |       |       | DROP #3A            |
| 210326 | 5400 | 15000 | 178  | 181   | -49.4 | -67.8 | 213 | 28.3 | 11904 | 11389 | 195.7 | 96.3 DROP #4        |
| 212118 | 5200 | 15000 | 180  | 182   | -51.1 | -67.2 | 207 | 32.8 | 11907 | 11447 | 195.6 | 95.9 DROP #5        |
| 213925 | 5000 | 15000 | 177  | 180   | -51.4 | -67.1 | 207 | 30.7 | 11905 | 11480 | 195.7 | 96.4 DROP #6        |
| 215507 | 4815 | 14945 | 174  | 177   | -48.7 | -66.6 | 208 | 30.8 | 11904 | 11526 | 195.7 | 95.8 DROP #7        |
| 215630 | 4806 | 14944 | 173  | 176   | -49.6 | -66.4 | 204 | 30.0 | 11907 | 11535 | 195.6 | 97.4 DROP #7A       |
| 220848 | 4645 | 14830 |      |       |       |       |     |      |       |       |       | DROP #8 NO TEMP     |
| 221018 | 4634 | 14927 | 170  | 172   | -48.7 | -65.8 | 199 | 28.4 | 11905 | 11563 | 195.7 | 96.3 DROP #8A       |
| 222439 | 4500 | 14900 | 167  | 170   | -46.0 | -64.8 | 199 | 31.3 | 11907 | 11606 | 195.1 | 95.9 DROP #9        |
| 223819 | 4330 | 14830 | 166  | 169   | -44.7 | -63.3 | 197 | 34.0 | 11908 | 11645 | 195.6 | 96.2 DROP #10       |
| 225208 | 4200 | 14757 | -    | -     | -42.0 | -61.9 | 201 | 31.6 | 11909 | 11684 | 195.5 | 95.8 DROP #11       |
| 230634 | 4115 | 14545 | 113  | 120   | -44.7 | -61.9 | 213 | 39.2 | 11911 | 11762 | 195.5 | 98.6 DROP #12       |
| 232234 | 4030 | 14315 | 105  | 115   | -48.3 | -64.3 | 216 | 46.6 |       |       |       | DROP #13            |
| 233548 | 4004 | 14059 | 65   | -     | -51.0 | -65.6 | 223 | 46.7 | 11911 | 11944 | 195.5 | 98.6 DROP #14 999   |
| 234824 | 4140 | 13940 | 83.1 | 28.7  | -52   | -68   | 229 | 48   | 11906 | 11935 | 195.6 | 95.9 Drop 15        |
| 000121 | 4315 | 13815 | 29   | 23    | -54   | -71   | 234 | 44.6 | 11908 | 11915 | 195.6 | 96.0 Drop 16 1004.1 |
| 001446 | 4500 | 13701 | ~    | ~     | -61   | -73   | 229 | 44.5 | 11908 | 11892 | 195.6 | 96.5 Drop 17        |
| 0019   | ↑ 40 | 43K   |      |       |       |       |     |      |       |       |       |                     |
| 0029   | 4645 | 13800 | 336  | 324   | -50   | -68   | 239 | 45   | 13059 | 13038 | 161   | 79 Drop 18          |
| 004251 | 4815 | 13900 | 338  | 328   | -51   | -67   | 239 | 35   | 13054 | 12986 | 161   | 79 Drop 19 1003.4   |
| 005730 | 5000 | 14000 | 338  | 327   | -53   | -68   | 237 | 38   | 13060 | 12928 | 162   | 79 Drop 20          |
| 011018 | 5130 | 14100 | 338  | 329   | -52.0 | -68.9 | 235 | 37.0 | 13058 | 12876 | 161.7 | 79.6 DROP 21        |
| 012314 | 5300 | 14200 | 338  | 330   | -53.0 | -69.3 | 238 | 30.3 | 13058 | 12811 | 161.8 | 78.0 DROP 22        |
| 013552 | 5430 | 14300 | 340  | 332   | -52.2 | -69.1 | 241 | 30.1 | 13060 | 12751 | 161.7 | 78.8 DROP #23       |
| 015023 | 5615 | 14400 | 339  | 330   | -52.1 | -68.9 | 240 | 29.9 | 13058 | 12689 | 161.8 | 78.6 DROP #24       |
| 020323 | 5745 | 14515 | 338  | 332   | -50.1 | -67.6 | 235 | 23.1 | 13061 | 12632 | 161.6 | 73.7 DROP #25       |
| 020550 | 5915 | 14615 | 327  | 321   | -48.3 | -67.0 | 237 | 19.0 | 13060 | 12588 | 161.7 | 79.6 DROP #26       |



# N49RF AVAPS DropSonde Log

N49RF Project: US 2002

Flight ID 020208N

Mission: Track 20

Flight #: RFO7

System Status: O.K.

| Drop # | Sonde Serial Number | Chn. # | Time (Zulu) | Press. offset | Winds time | Operator Initials | Comments / Drop Status / Failure Reason | GOOD <input checked="" type="checkbox"/> |
|--------|---------------------|--------|-------------|---------------|------------|-------------------|-----------------------------------------|------------------------------------------|
| 1      | 011 245 481         | 1      | 2017        | 0             | 15         | ph                | INT. Winds                              |                                          |
| 2      | 011 245 477         | 3      | 2019        | 0             | 14         | um                |                                         | ✓                                        |
| 3      | 011 335 067         | 2      | 2032        | .8            | 13         | um                |                                         | ✓                                        |
| 4      | 011 335 131         | 1      | 2047        | 0             |            | ph                | No winds / late wind                    |                                          |
| 5      | 990 935 057         | 3      | 2049        | .4            | 31         | ph                |                                         | ✓                                        |
| 6      | 011 335 123         | 2      | 2103        | 0             | 21         | ph                |                                         | ✓                                        |
| 7      | 011 335 112         | 1      | 2121        | 0             | 48         | ph                | Lost wind / Come back AT about 700mb    |                                          |
| 8      | 011 345 038         | 2      | 2139        | .4            | 16         | ph                |                                         | ✓                                        |
| 9      | 003 115 295         | 3      | 2155        | 0             |            | um                | No winds No SATS                        |                                          |
| 10     | 011 245 479         | 4      | 2146        | 0             | 10         | ph                |                                         | ✓                                        |
| 11     | 011 335 083         | 2      | 2208        | 0             | 39         | ph                | No Temp No Alt. Wins O.K.               |                                          |
| 12     | 012 225 013         | 1      | 2210        | .5            | 35         | ph                |                                         | ✓                                        |
| 13     | 012 225 122         | 3      | 2224        | .5            | 20         | CH                |                                         | ✓                                        |
| 14     | 003 115 393         | 2      | 2238        | .4            | 19         | ph                |                                         | ✓                                        |
| 15     | 011 245 244         | 1      | 2252        | 0             | 42         | ph                |                                         | ✓                                        |
| 16     | 011 345 034         | 2      | 2306        | 0             | 28         | ph                |                                         | ✓                                        |
| 17     | 013 035 251         | 1      | 2322        | 0.6           | 15         | ph                | Lost telemetry at 81mb                  | ✓                                        |
| 18     | 011 245 248         | 2      | 2335        | 0             | 17         | ph                |                                         | ✓                                        |
| 19     | 011 245 201         | 3      | 2348        | 0             | 25         | ph                | Launched Early (oops)                   | ✓                                        |
| 20     | 011 245 478         | 2      | 0001        | 0.4           | 30         | ph                |                                         | ✓                                        |
| 21     | 003 135 161         | 3      | 0014        | 0.4           | 10         | ph                |                                         | ✓                                        |
| 22     | 985 035 156         | 2      | 0029        | 0.4           | 17         | ph                |                                         | ✓                                        |
| 23     | 011 335 134         | 3      | 0042        | 0.1           | 28         | RJM               |                                         | ✓                                        |
| 24     | 011 245 245         | 2      | 0057        | 0.3           | 12         | RJM               |                                         | ✓                                        |
| 25     | 003 115 390         | 3      | 0110        | 0.3           | 19         | RJM               |                                         | ✓                                        |
| 26     | 011 245 257         | 2      | 0123        | 0             | 36         | RJM               | INT WINDS                               | ✓                                        |
| 27     | 011 245 246         | 3      | 0135        | 0.5           | 38         | RJM               |                                         | ✓                                        |
| 28     | 993 948 047         | 2      | 0150        | -0.2          | 49         | RJM               | Lost WINDS                              |                                          |
| 29     | 011 245 483         | 3      | 0203        | 0.1           | 18         | RJM               |                                         | ✓                                        |
| 30     | 990 435 493         | 2      | 0215        | 0.2           | 23         | RJM               | Lost WIND                               |                                          |
| 31     |                     |        |             |               |            |                   |                                         |                                          |
| 32     |                     |        |             |               |            |                   |                                         |                                          |
| 33     |                     |        |             |               |            |                   |                                         |                                          |



# G-IV Dropsonde Transmission Log

Proj. Name: WS2002

Mission ID: 020208N TRACK20CC

| Launch Time | Transmit Time | Serial #  | Surf. Pres. | OB #      |
|-------------|---------------|-----------|-------------|-----------|
| 201722      |               | 011245481 |             | INT. WIND |
| 201930      | 2041Z         | 011245477 | 1010.7      | 1         |
| 203248      | 2101Z         | 011335067 | 1005.5      | 2         |
| 204753      |               | 011335131 |             | NO WIND   |
| 204925      | 2117Z         | 990935057 | 1004.1      | 3         |
| 210330      | 2135Z         | 011335123 | 1005.4      | 4         |
| 212120      | 2145Z         | 011335112 | 1006.7      | 5         |
| 213929      | 2204Z         | 011345038 | 1004.7      | 6         |
| 215512      |               | 003115295 |             | NO WIND   |
| 215630      | 2230Z         | 011245479 | 1000.5      | 7         |
| 220850      |               | 011335083 |             | NO TEMP   |
| 221020      | 2242Z         | 012225013 | E 991.7     | 8         |
| 222441      | 2304Z         | 012225122 | 985.8       | 9         |
| 223820      | 2317Z         | 003115393 | 977.2       | 10        |
| 225210      | 2332Z         | 011245244 | E 973.6     | 11        |
| 230637      | 2359Z         | 011345034 | 979.8       | 12        |
| 232235      | 2359Z         | 013635251 | E 991.6     | 13        |
| 233550      | 0011Z         | 011245248 | 999.6       | 14        |
| 000121      | 0033Z         | 011245478 | 1006.4      | 15        |
| 001446      | 0108Z         | 003135161 | 1010.3      | 17        |
| 002939      | 0108Z         | 985035156 | 1005.3      | 18        |
| 234813      | 0055Z         | 011245201 | 1002.6      | 16        |
| 004244      | 0120Z         | 011335134 | 1004.2      | 19        |
| 005730      | 0132Z         | 011245245 | 1006.7      | 20        |
| 011020      | 0145Z         | 003115390 | 1009.1      | 21        |
| 012311      | 0154Z         | 011245257 | 1011.3      | 22        |



## G-IV Dropsonde Transmission Log

Proj. Name: WS2002

Mission ID: 020208N

TRACK 20CC

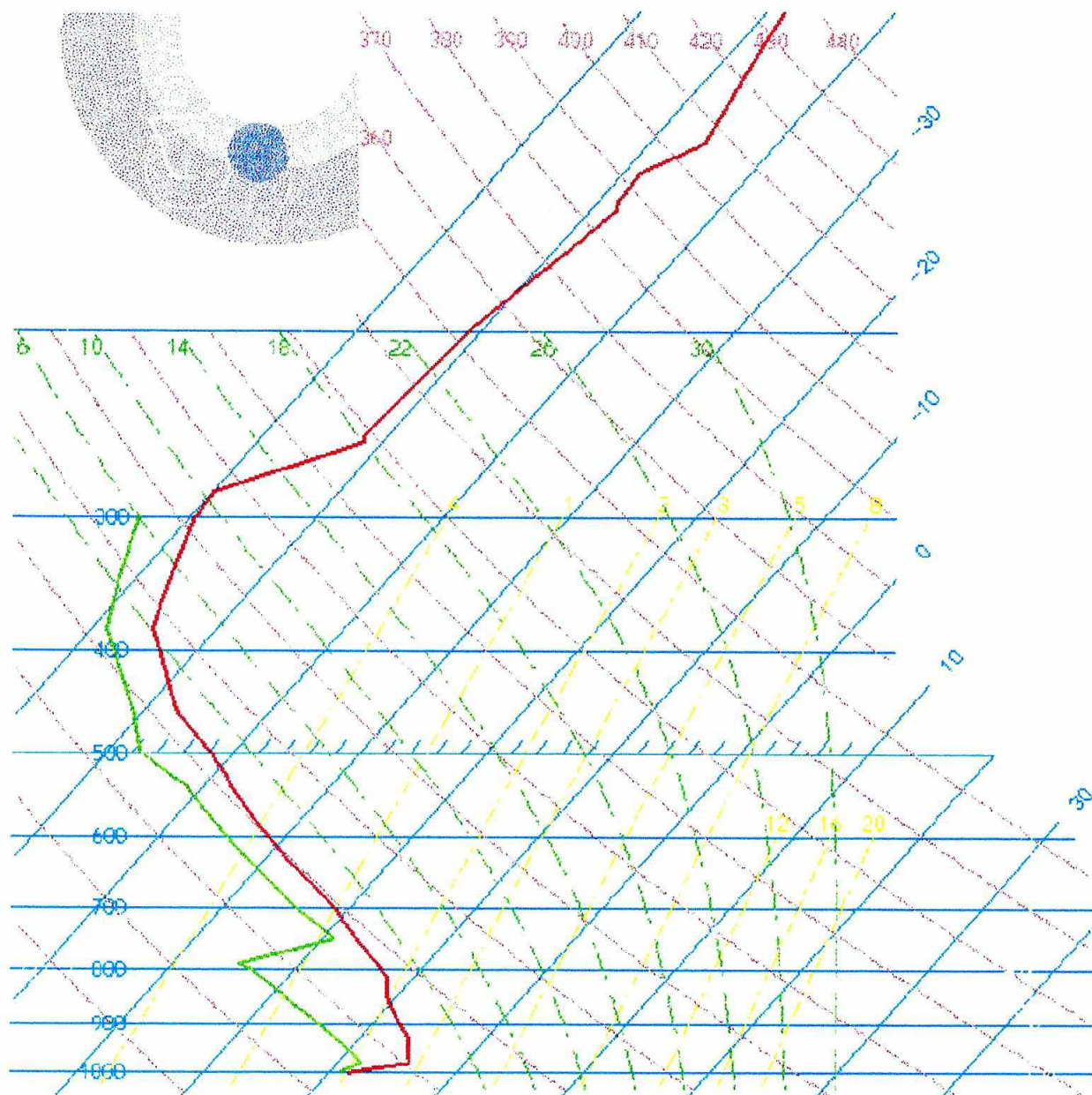
[illegible]

February 8, 2002  
WSR Track 20 CC (Counter Clockwise)

|         |          |                                                |
|---------|----------|------------------------------------------------|
| PANC    | 61 10.5N | 149 59.8W                                      |
| Drop 1  | 59 15N   | 150 15W <del>1008</del> Turn Point, First Drop |
| Drop 2  | 57 30N   | 150 30W <del>1004</del> Turn Point             |
| Drop 3  | 55 45N   | 150 15W <del>1004</del>                        |
| Drop 4  | 54 00N   | 150 00W <del>1005</del> Turn Point             |
| Drop 5  | 52 00N   | 150 00W <del>1004</del>                        |
| Drop 6  | 50 00N   | 150 00W <del>1002</del>                        |
| Drop 7  | 48 15N   | 149 45W <del>998</del> Turn Point              |
| Drop 8  | 46 45N   | 149 30W <del>995</del>                         |
| Drop 9  | 45 00N   | 149 00W <del>989</del>                         |
| Drop 10 | 43 30N   | 148 30W <del>984</del>                         |
| Drop 11 | 42 00N   | 148 00W <del>984</del> Turn Point              |
| Drop 12 | 41 15N   | 145 45W <del>984</del> <del>5</del>            |
| Drop 13 | 40 30N   | 143 15W <del>982</del>                         |
| Drop 14 | 40 00N   | 141 00W <del>1000</del> Turn Point             |
| Drop 15 | 41 45N   | 139 30W <del>1000</del>                        |
| Drop 16 | 43 15N   | 138 15W <del>1008</del>                        |
| Drop 17 | 45 00N   | 137 00W <del>1004</del> Turn Point             |
| Drop 18 | 46 45N   | 138 00W <del>1002</del>                        |
| Drop 19 | 48 15N   | 139 00W <del>1002</del>                        |
| Drop 20 | 50 00N   | 140 00W <del>1008</del>                        |
| Drop 21 | 51 30N   | 141 00W <del>1010</del>                        |
| Drop 22 | 53 00N   | 142 00W <del>1018</del>                        |
| Drop 23 | 54 30N   | 143 00W <del>1014</del>                        |
| Drop 24 | 56 15N   | 144 00W <del>1014</del> Turn Point             |
| Drop 25 | 57 45N   | 145 15W <del>1014</del>                        |
| Drop 26 | 59 15N   | 146 15W <del>1014</del> Turn Point, Last Drop  |
| PANC    | 61 10.5N | 149 59.8W                                      |





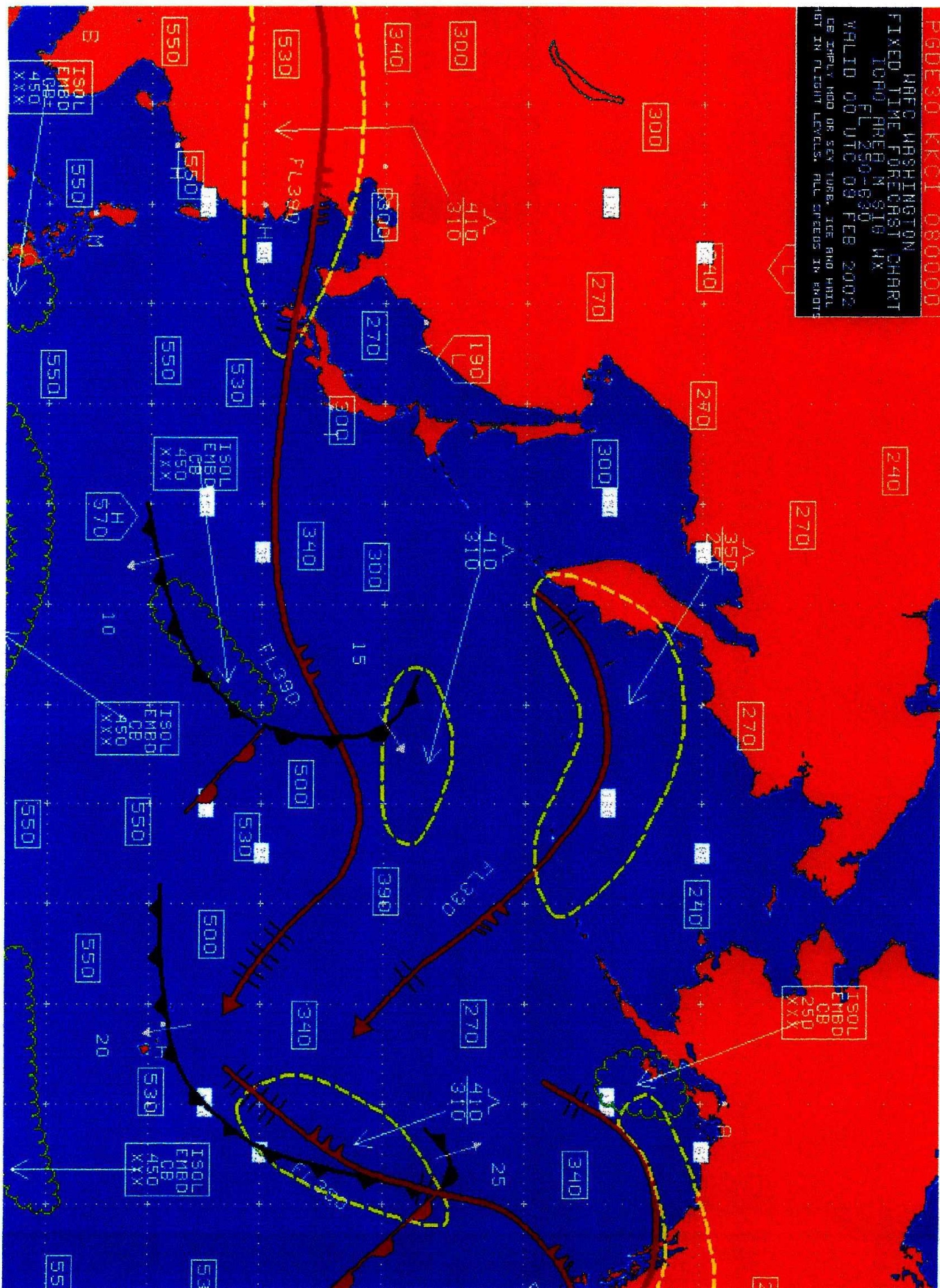




PGDE30 KKCI 080000

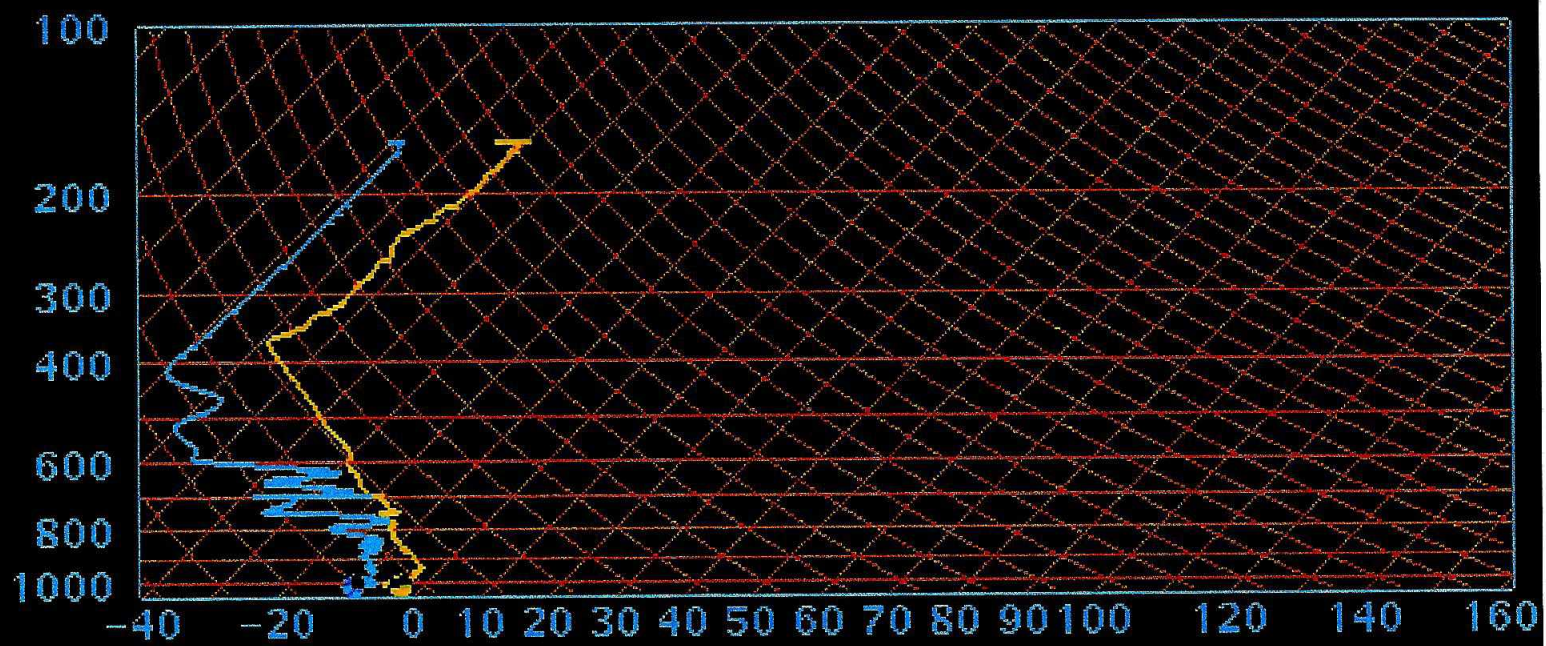
NRFC WASHINGTON  
FIXED TIME FORECAST CHART  
ICHO AREA M 816 MX  
FL 250-630

VALID 00 UTC 09 FEB 2002  
CE EMPLOYED OR SEV TURE, ICE RWD HAIL  
NOT IN FLIGHT LEVELS, ALL SPEEDS IN KNOTS





01:19:44 to 02:48:49



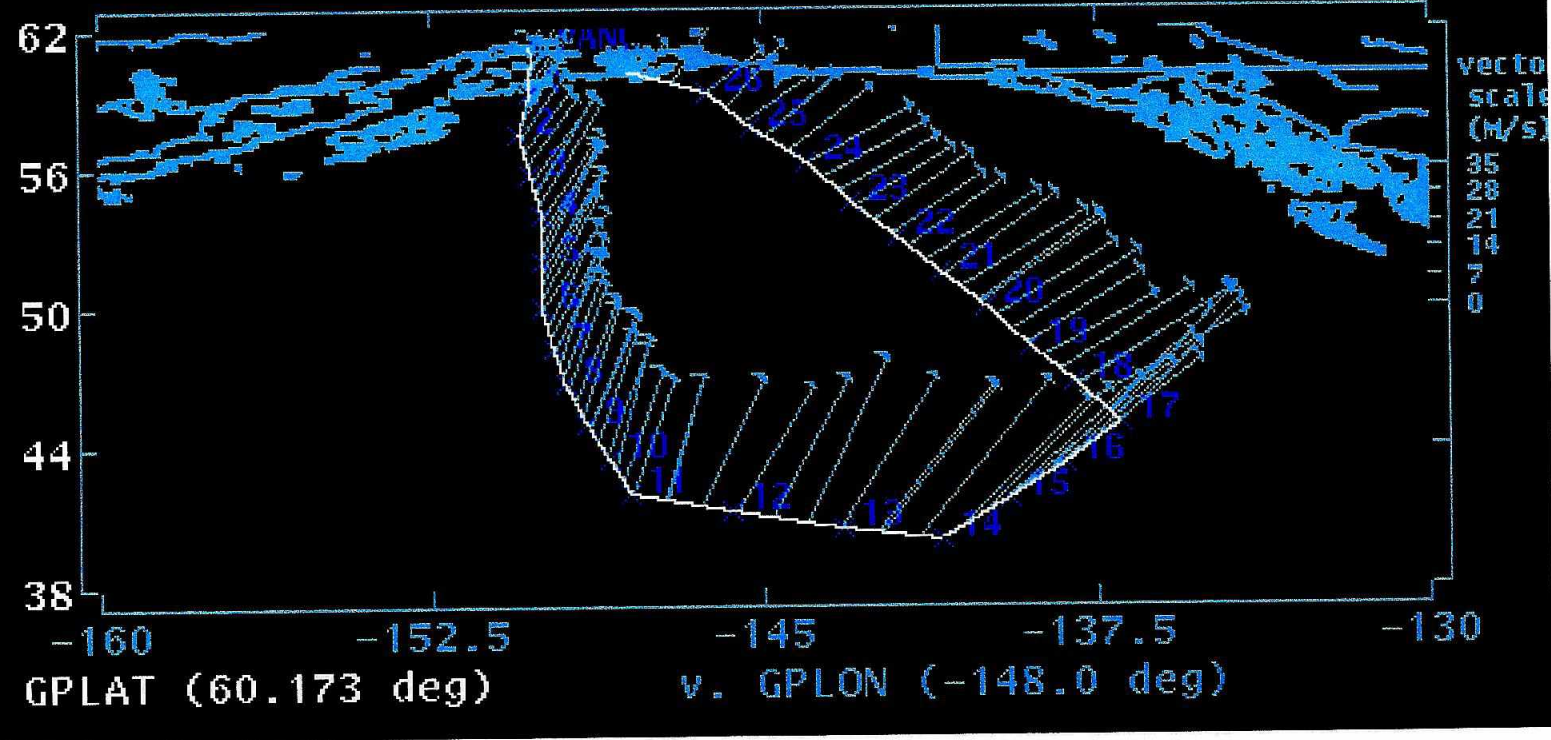
ATX (-3.215 C)

v. PSX (1009.6 mbar)

DPXC (-9.926 C)

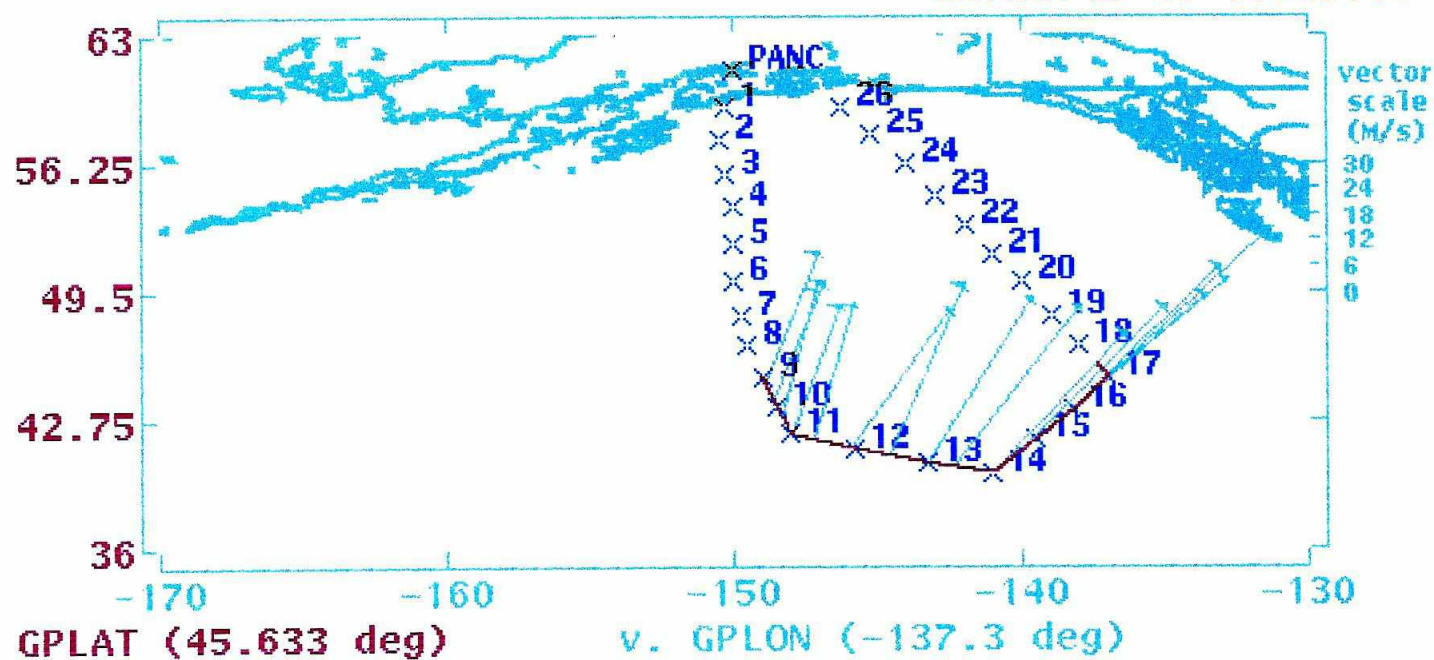
v. PSX (1009.6 mbar)

19:26:26 to 02:26:21

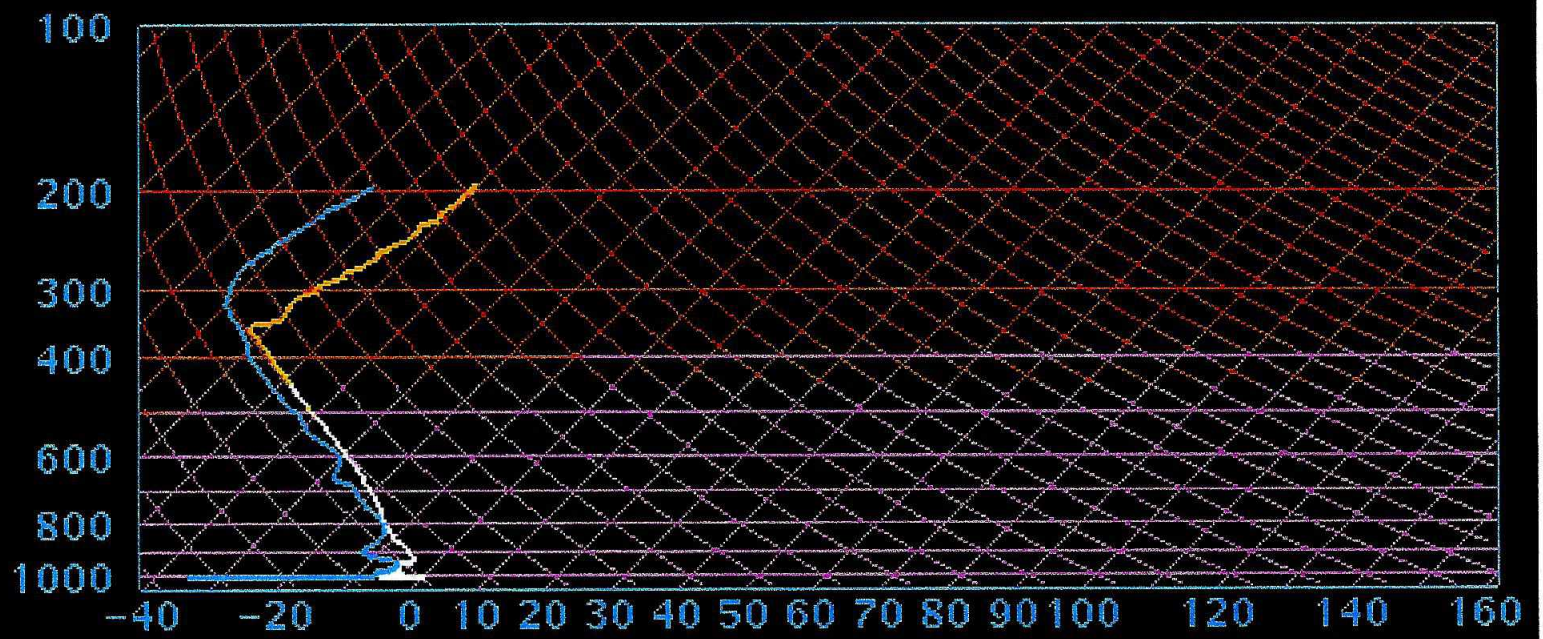




'map' (ads@R3) Proj. 201 Flt rf07 Feb-10-102 00:20:00  
22:23:43 to 00:19:59



19:38:31 to 20:20:19



ATX (-50.00 C)

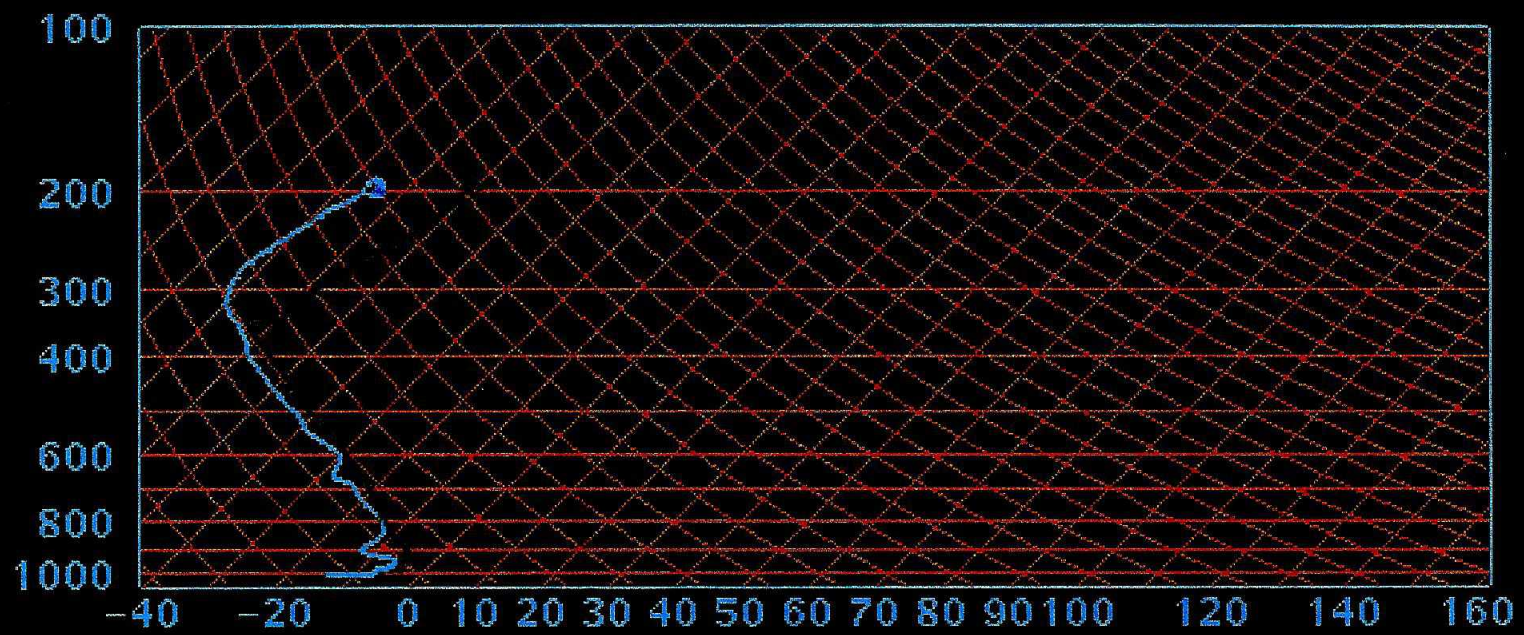
v. PSX (196.32 mbar)

DPXC (-64.10 C)

v. PSX (196.32 mbar)



19:49:37 to 20:19:59



DPXC (-64.06 C)

v. PSXC (196.27 mbar)

DPXC (-64.06 C)

v. PSXC (196.27 mbar)

## NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: WS2002 Project No. 201 Flight No. RF07 Flight ID: 020208NSED Crew: HORNBROOK LINDA M<sup>rs</sup> NAMARA Mission: WSR TRACK 20Pre-Flight: 1919 Z Take-Off: 1953Z Z Landing: 0247Z Z

| SYSTEM                          |                                                           |                                                  | Pre-Flight Check                                                                         | In-Flight                                              | Post-Flight Check                                      |
|---------------------------------|-----------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| N<br>A<br>V                     | IRS #1                                                    |                                                  | RJM                                                                                      |                                                        |                                                        |
|                                 | IRS #2                                                    |                                                  |                                                                                          |                                                        |                                                        |
|                                 | GPS Honeywell #1                                          |                                                  |                                                                                          |                                                        |                                                        |
|                                 | GPS Honeywell #2                                          |                                                  |                                                                                          |                                                        |                                                        |
|                                 | GPS Collins                                               |                                                  |                                                                                          |                                                        | Off? <input checked="" type="checkbox"/>               |
|                                 | Nose Radar - Collins                                      |                                                  |                                                                                          |                                                        | Off? <input checked="" type="checkbox"/>               |
| T<br>E<br>M<br>P<br>/<br>D<br>P |                                                           | Time                                             | Temp °C                                                                                  |                                                        |                                                        |
|                                 | Temp #1                                                   | 1929                                             | 0.19                                                                                     |                                                        |                                                        |
|                                 | Temp #2                                                   |                                                  | -0.24                                                                                    |                                                        |                                                        |
|                                 | Temp #3                                                   |                                                  | -0.26                                                                                    |                                                        |                                                        |
|                                 | Temp #4                                                   |                                                  | -0.44                                                                                    |                                                        |                                                        |
|                                 | DP Left                                                   |                                                  | -20.58                                                                                   |                                                        | Cal. Time:                                             |
|                                 | DP Right                                                  |                                                  | -25.10                                                                                   |                                                        | Cal. Time:                                             |
|                                 | CRYO                                                      | N/I                                              |                                                                                          |                                                        |                                                        |
| P<br>R<br>E<br>S<br>S           | Attack Angle (ADCAOA)                                     |                                                  | RJM                                                                                      |                                                        |                                                        |
|                                 | Angle of Attack (APx, DAPx)                               |                                                  |                                                                                          |                                                        |                                                        |
|                                 | Sideslip (BPx, DBPx)                                      |                                                  |                                                                                          |                                                        |                                                        |
|                                 | Static Pressure (PS1M, PS2M)                              |                                                  |                                                                                          |                                                        |                                                        |
|                                 | Dynamic Pressure (QCxM)                                   |                                                  |                                                                                          |                                                        |                                                        |
|                                 | Radome Press. Lines                                       |                                                  | Checked? <input type="checkbox"/> Date:                                                  |                                                        |                                                        |
| S<br>Y<br>S<br>T<br>E<br>M<br>S | SATCOM (Flight Phone) <input checked="" type="checkbox"/> |                                                  | CH                                                                                       |                                                        | Off CB? <input checked="" type="checkbox"/>            |
|                                 | Call COMSAT? <input type="checkbox"/> (*292#)             |                                                  | CB's Checked? <input checked="" type="checkbox"/> CH                                     |                                                        |                                                        |
|                                 | Iridium Phone                                             |                                                  | ON? <input checked="" type="checkbox"/> CH                                               |                                                        | OFF? <input checked="" type="checkbox"/>               |
|                                 | FCU/UPS/CB                                                |                                                  | RJM                                                                                      |                                                        | UPS off? <input type="checkbox"/>                      |
|                                 | MADS (WINDS/DISCWIN)                                      |                                                  | DTL                                                                                      |                                                        | # DATs: 1                                              |
|                                 | Printer 1 (lp1)                                           |                                                  | Power? <input checked="" type="checkbox"/> Paper? <input checked="" type="checkbox"/> CH |                                                        | Printer Power off? <input checked="" type="checkbox"/> |
|                                 | MADS Cal. Date:                                           |                                                  | QC time: 1936Z                                                                           |                                                        | QC time: 0250Z                                         |
|                                 | HAPS System                                               |                                                  | Time set? <input type="checkbox"/>                                                       |                                                        | # Msg.: # Fail:                                        |
|                                 | AVAPS System                                              |                                                  | DTL                                                                                      |                                                        |                                                        |
|                                 | Exterior Walk Around <input checked="" type="checkbox"/>  |                                                  | CH                                                                                       |                                                        |                                                        |
|                                 | Inspect Drop Sonde Chute Bolts                            |                                                  | DTL                                                                                      |                                                        |                                                        |
| M<br>I<br>S<br>C                | Down Port Door (Ozone Inst.)                              |                                                  | Cover OFF? <input checked="" type="checkbox"/> CH                                        |                                                        | Cover ON? <input checked="" type="checkbox"/>          |
|                                 | AVAPS Sondes                                              |                                                  | # On Board: 68                                                                           | # Dropped: 30                                          | # Good: 23                                             |
|                                 | Sci. Power Monitor                                        |                                                  | CH                                                                                       |                                                        |                                                        |
|                                 | APN-232 Altimeter                                         |                                                  | RJM                                                                                      |                                                        |                                                        |
|                                 | Modem                                                     |                                                  | Power On? <input checked="" type="checkbox"/> CH                                         |                                                        |                                                        |
|                                 | Additional Instrumentation:                               |                                                  | L1 60Hz IP CB ON? <input checked="" type="checkbox"/>                                    | After Take Off                                         | L1 60Hz IP CB OFF? <input checked="" type="checkbox"/> |
|                                 | AL Ozone Data System                                      |                                                  | L1 400Hz CB ON? <input checked="" type="checkbox"/>                                      | L1 Pump Switch ON? <input checked="" type="checkbox"/> | L1 400Hz CB OFF? <input checked="" type="checkbox"/>   |
|                                 |                                                           | Computer ON? <input checked="" type="checkbox"/> |                                                                                          | Computer OFF? <input checked="" type="checkbox"/>      |                                                        |
|                                 | Crew Responsibilities Assigned                            |                                                  | RJM                                                                                      |                                                        |                                                        |

|   |             |           |           |            |
|---|-------------|-----------|-----------|------------|
| 1 | DAT Tape #1 | On: 1940Z | Type: 60m | Off: 0251Z |
|   | Comments:   |           |           |            |
|   |             |           |           |            |
|   |             |           |           |            |
|   |             |           |           |            |



[illegible]