

19870925HI-DROPS

FORM E-6

AOML/HRD

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## OMEGA-DROPWINDSONDE SCIENTIST LOG

FLIGHT: 870925HI (42)

ODW SCIENTISTS M. Black

STORM: CLEAR-AIR

Gamache, Dorst

DROPSONDE - INTERCOMP.

W. Houghby

SATELLITE

KNOTS

⑤ ① ③ ④ ② OPERATOR Schricker

| DROP # | SONDE ID # | TIME GMT | LAT (°) | LON (°) | WIND (M/VS)<br>(WD/WS) | HEIGHT (GA) | TEMP (TA) | DEW PT. (TD) | PRESSURE (PS) | REMARKS            |
|--------|------------|----------|---------|---------|------------------------|-------------|-----------|--------------|---------------|--------------------|
| 1      | 10468      | 1941     | 28.5    | 76.0    | 264/16                 | 6095        | -8.3      | -36.3        | 485.6         |                    |
| 2      | 20674      | 1956     | 28.6    | 74.5    | 261/17                 | 6092        | -8.4      | -19.5        | 485.7         |                    |
| 3      | 00463      | 2012     | 28.6    | 73.0    | 283/22                 | 6101        | -9.0      | -10.6        | 484.6         |                    |
| 4      | 10473      | 2027     | 28.6    | 71.5    | 270/34                 | 6100        | -8.2      | -20.1        | 485.1         |                    |
| 5      | 20659      | 2042     | 28.6    | 70.0    | 259/31                 | 6099        | -8.5      | -9.6         | 485.3         | BAD PTH            |
| 6      | 00460      | 2057     | 28.6    | 68.5    | 240/27                 | 6111        | -8.3      | -9.2         | 484.9         |                    |
| 7      | 10466      | 2112     | 28.6    | 66.9    | 239/30                 | 6115        | -8.3      | -8.5         | 485.2         |                    |
| 8      | 20610      | 2132     | 28.5    | 64.9    | 237/32                 | 6125        | -8.1      | -9.7         | 485.5         |                    |
| 9      | 00449      | 2147     | 27.6    | 64.0    | 227/29                 | 6136        | -7.9      | -14.1        | 485.7         | BAD PTH            |
| 10     | 10471      | 2159     | 26.9    | 63.3    | 221/22                 | 6140        | -7.4      | -22.1        | 486.2         |                    |
| 11     | 20675      | 2218     | 25.3    | 63.3    | 205/17                 | 6141        | -7.9      | -19.4        | 486.2         |                    |
| 12     | 00466      | 2229     | 24.7    | 64.0    | 200/15                 | 6141        | -8.6      | -12.6        | 486.3         | PTH BAD WINDS ONLY |
| 13     | 10469      | 2242     | 23.7    | 64.6    | 216/14                 | 6139        | -8.5      | -13.6        | 486.2         | PTH BAD NO WINDS   |
| 14     | 00479      | 2255     | 23.1    | 65.1    | 181/8                  | 6830        | -12.0     | -26.6        | 444.4         |                    |
| 15     | 20672      | 2315     | 23.1    | 66.9    | 199/9                  | 6775        | -11.4     | -32.3        | 447.4         |                    |
| 16     | 10467      | 2330     | 24.5    | 66.9    | 222/16                 | 6769        | -11.7     | -33.9        | 447.5         |                    |
| 17     | 20622      | 2346     | 26.0    | 67.1    | 218/18                 | 6799        | -12.2     | -28.0        | 445.3         |                    |
| 18     | 00480      | 0006     | 26.0    | 68.8    | 232/26                 | 7106        | -14.9     | -22.8        | 427.2         |                    |
| 19     | 20606      | 0026     | 26.0    | 70.3    | 211/18                 | 7100        | -11.6     | -13.4        | 427.3         | No winds, lost CH3 |
| 20     | 00481      | 0036     | 25.2    | 70.3    | 244/27                 | 7105        | -16.2     | -18.4        | 427.1         |                    |

- \_\_\_\_\_ 4. Debrief at the appropriate operations center (FGOC or MGOC).
- \_\_\_\_\_ 5. Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.

290945-11425 P07891

# OMEGA-DROPWINDSONDE SCIENTIST LOG

ODW SCIENTISTS Mr. Black, J. Garmache  
N. Dorst, H. Willoughby

STORM: Clear-Air

## ODW vs VAS Comparison AFS

② OPERATOR Schricker

[illegible]

## E.6 Omega Dropwindsonde Scientist (On-board)

The on-board Lead Project Scientist (LPS) on each aircraft is responsible for determining the distribution patterns for sonde releases. Predetermined desired data collection patterns are illustrated on the flight patterns. However, these patterns often are required to be altered because of clearance problems, etc. Operational procedures are contained in the operator's manual. The following list contains more general supplementary procedures to be followed. (Check off and initial.)

### E.6.1 Preflight

- \_\_\_\_\_ 1. Determine the status of equipment and report results to the on-board LPS.
- \_\_\_\_\_ 2. Confirm the mission and pattern selection from the LPS and assure that the proper number and distribution (frequency) of sondes are on board the aircraft.
- \_\_\_\_\_ 3. Complete the appropriate preflight calibrations and checklists.

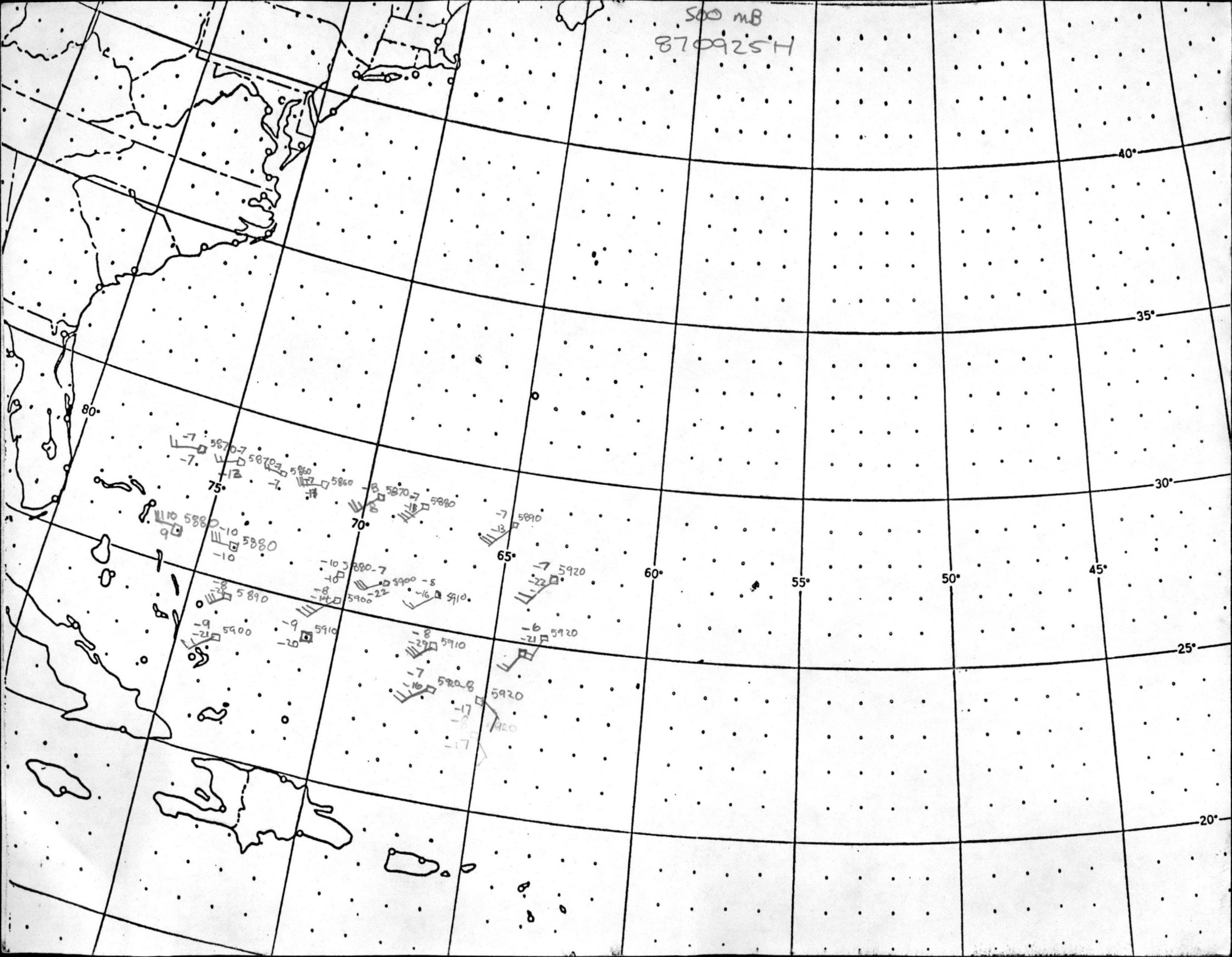
### E.6.2 In-Flight

- \_\_\_\_\_ 1. Operate the system as specified in the operator's manual.
- \_\_\_\_\_ 2. Obtain drop release approval (for each drop) from the OAO/Flight Director or Navigator for each specific time and location of drop.
- \_\_\_\_\_ 3. Report to the LPS as soon as it is determined that the sonde is or is not transmitting a good signal.
- \_\_\_\_\_ 4. Report completion of each drop and readiness for the next drop.
- \_\_\_\_\_ 5. Complete Form E-6.

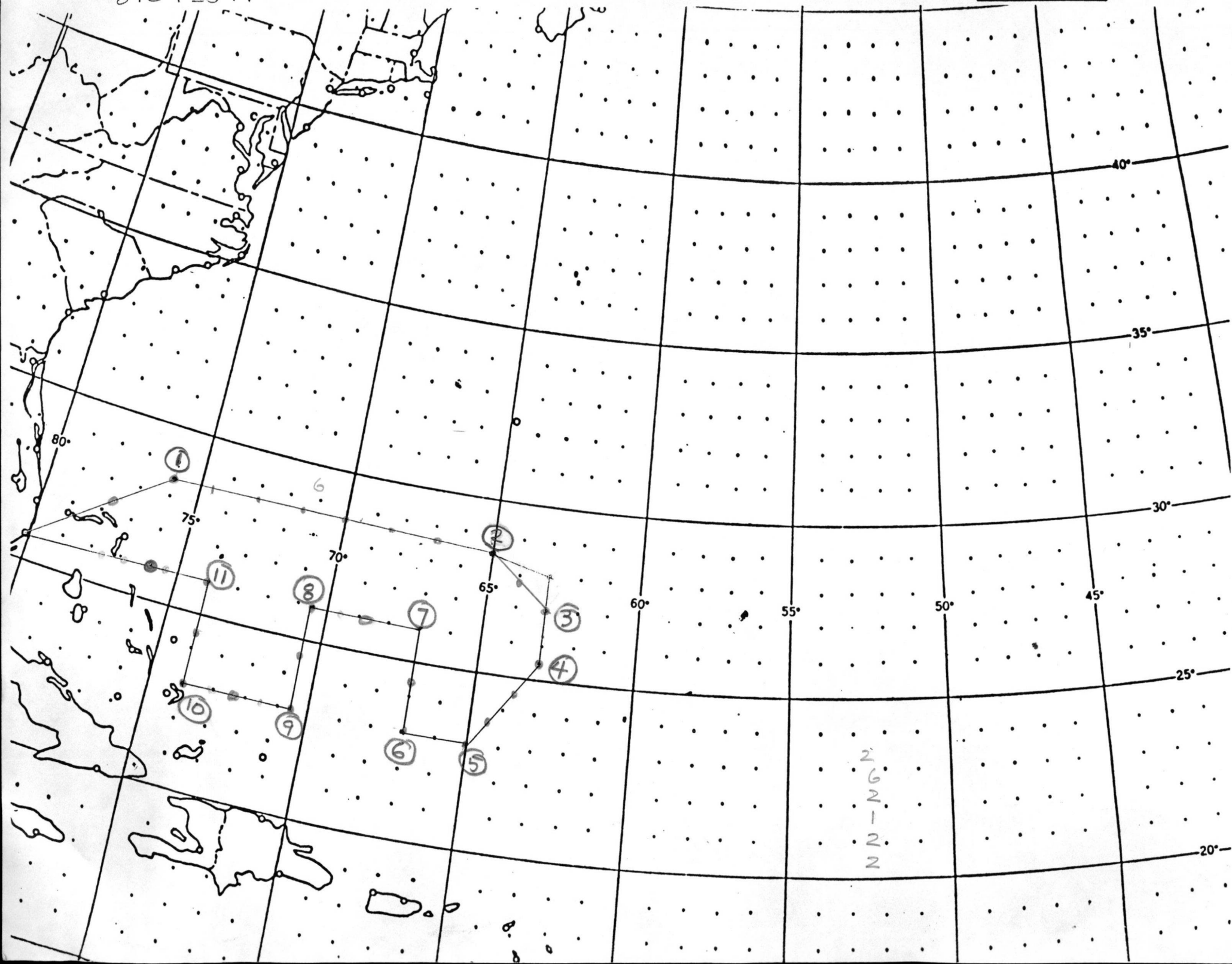
### E.6.3 Postflight

- \_\_\_\_\_ 1. Complete the summary form for dropwindsondes.
- \_\_\_\_\_ 2. Brief the on-board LPS on equipment status and turn in reports and completed forms to the LPS.
- \_\_\_\_\_ 3. Hand-carry all dropwindsonde data tapes and printouts and inform the OAO/Flight Director that you are arranging delivery as follows:
  - a. Outside of Miami - to the HRD operations center (FGOC).
  - b. In Miami - to AOML/HRD (temporarily), either directly or via MGOC, for conversion to 9-track magnetic tapes.

500 mb  
870925H

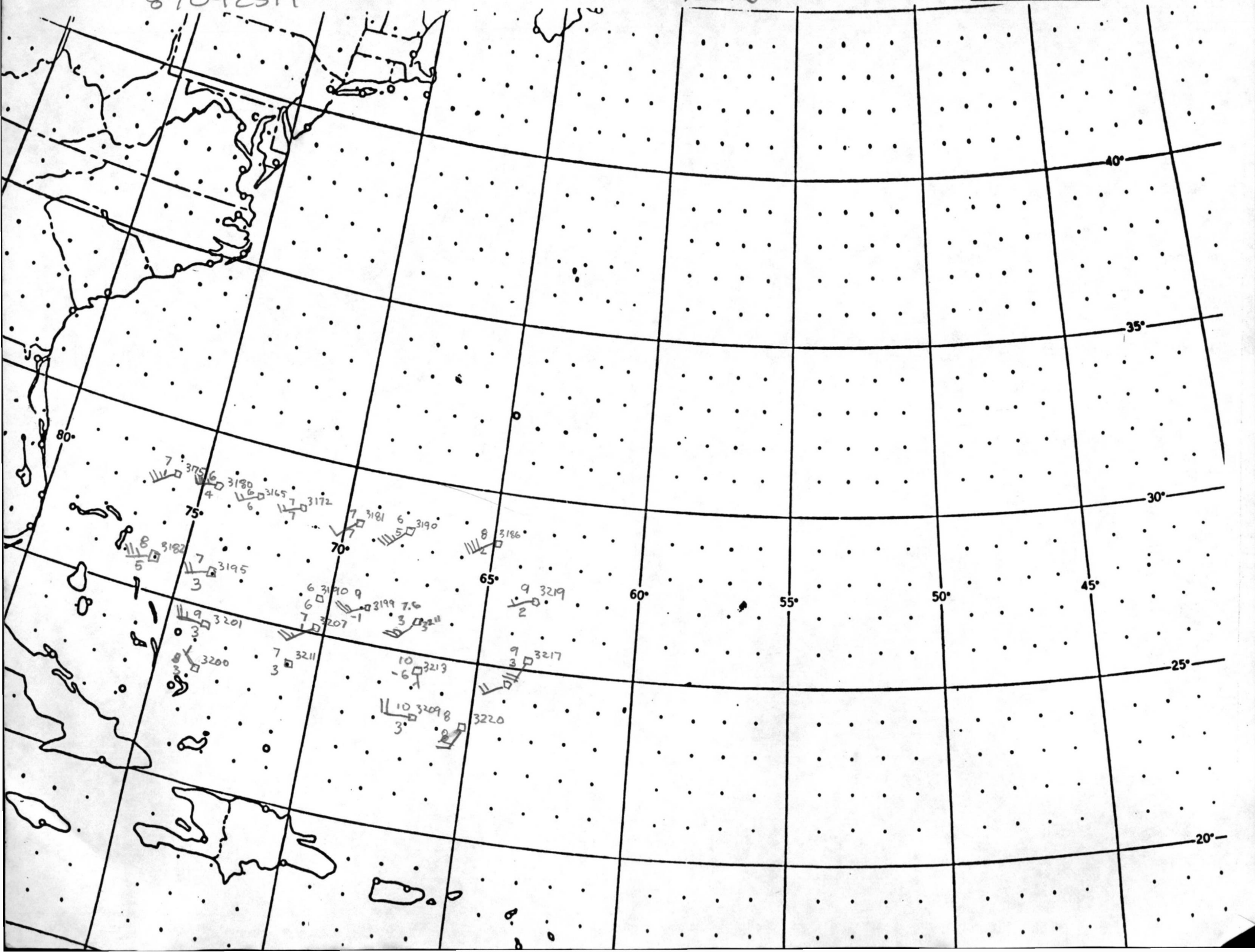


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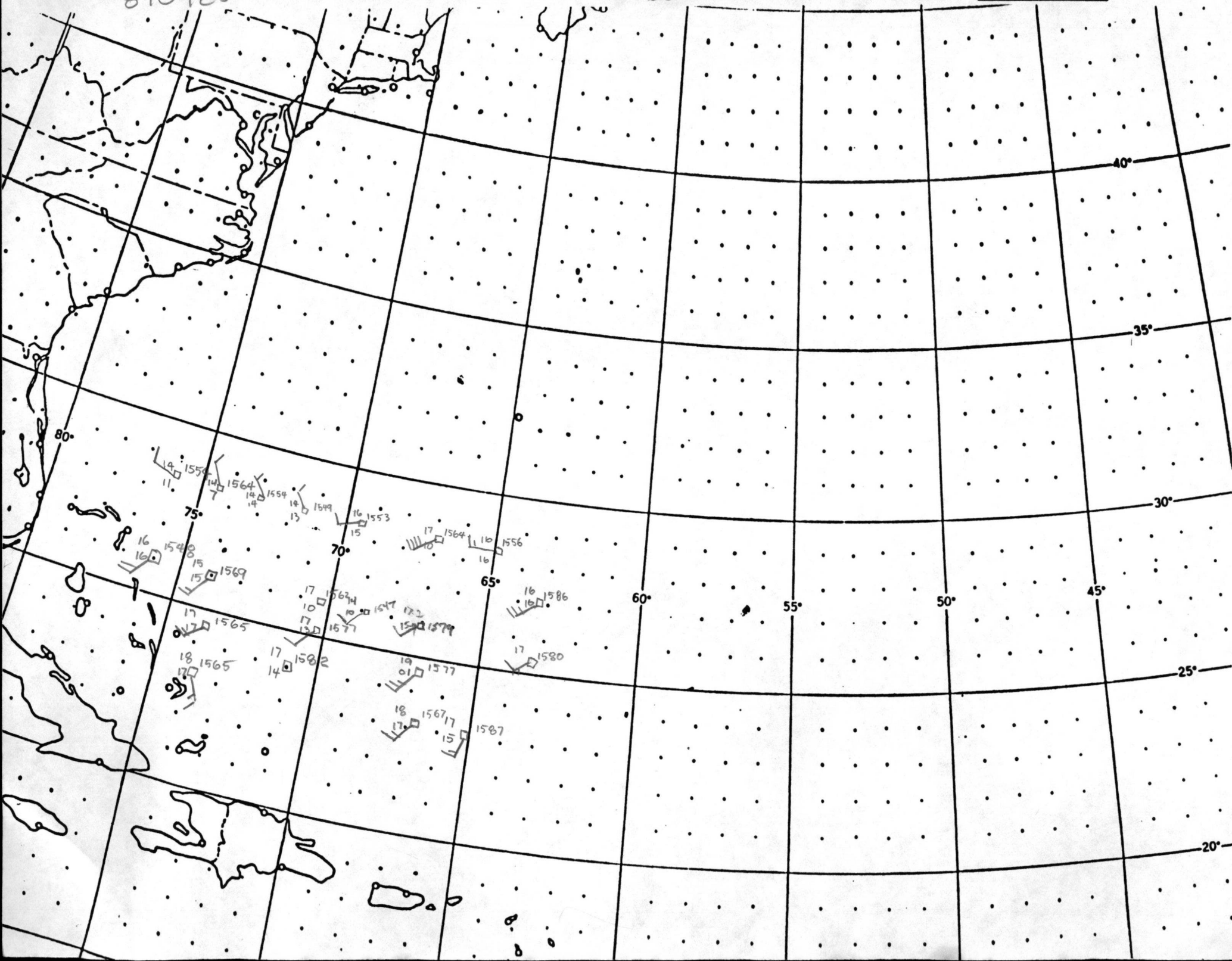
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WINDS

