

1992082241-LPS

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight

- _____ 1. Participate in general mission briefing.
- _____ 2. Determine specific mission and flight requirements for assigned aircraft.
- _____ 3. Determine from CARCAH or field program director whether aircraft has operational fix responsibility and discuss with AOC flight director/meteorologist and CARCAH unless briefed otherwise by field program director.
- _____ 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Arrange ground transportation schedule when deployed.
 - c. Determine equipment status.
- _____ 5. Meet with AOC flight crew at least 90 minutes before takeoff, provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.
- _____ 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami or FGOC at remote recovery location).

E.2.2 In-Flight

- _____ 1. Confirm from AOC flight director that satellite data link is operative (information).
- _____ 2. Confirm camera mode of operation.
- _____ 3. Confirm data recording rate.
- _____ 4. Complete Form E-2.

E.2.3 Postflight

- _____ 1. Debrief scientific crew.
- _____ 2. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to the appropriate HRD operations center (MGOC or FGOC).
- _____ 3. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
- _____ 4. Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
- _____ 5. Determine next mission status, if any, and brief crews as necessary.
- _____ 6. Notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted and arrange for any further coordination required.

D. Equipment Status

<u>Equipment</u>	<u>Pre-Flight</u>	<u>In-Flight</u>	<u>Post-Flight</u>
Aircraft	✓	✓	✓
Radar/LF	✓	OK until 2137Z	✓
Radar/TA (Doppler)	✓	not working properly	✓
Cloud physics	✓	✓	✓
Data system	✓	see below	✓
Omegasondes	✓	✓	✓
AXBT/AXCP	NA	NA	NA
Workstation	✓	✓	✓
Photography	✓	✓	✓

First flight with new data system

REMARKS: Data system crash 2137Z
 Flight-level system down until 2140Z
 Radar data system down until 2137Z - never successfully restarted 214100Z

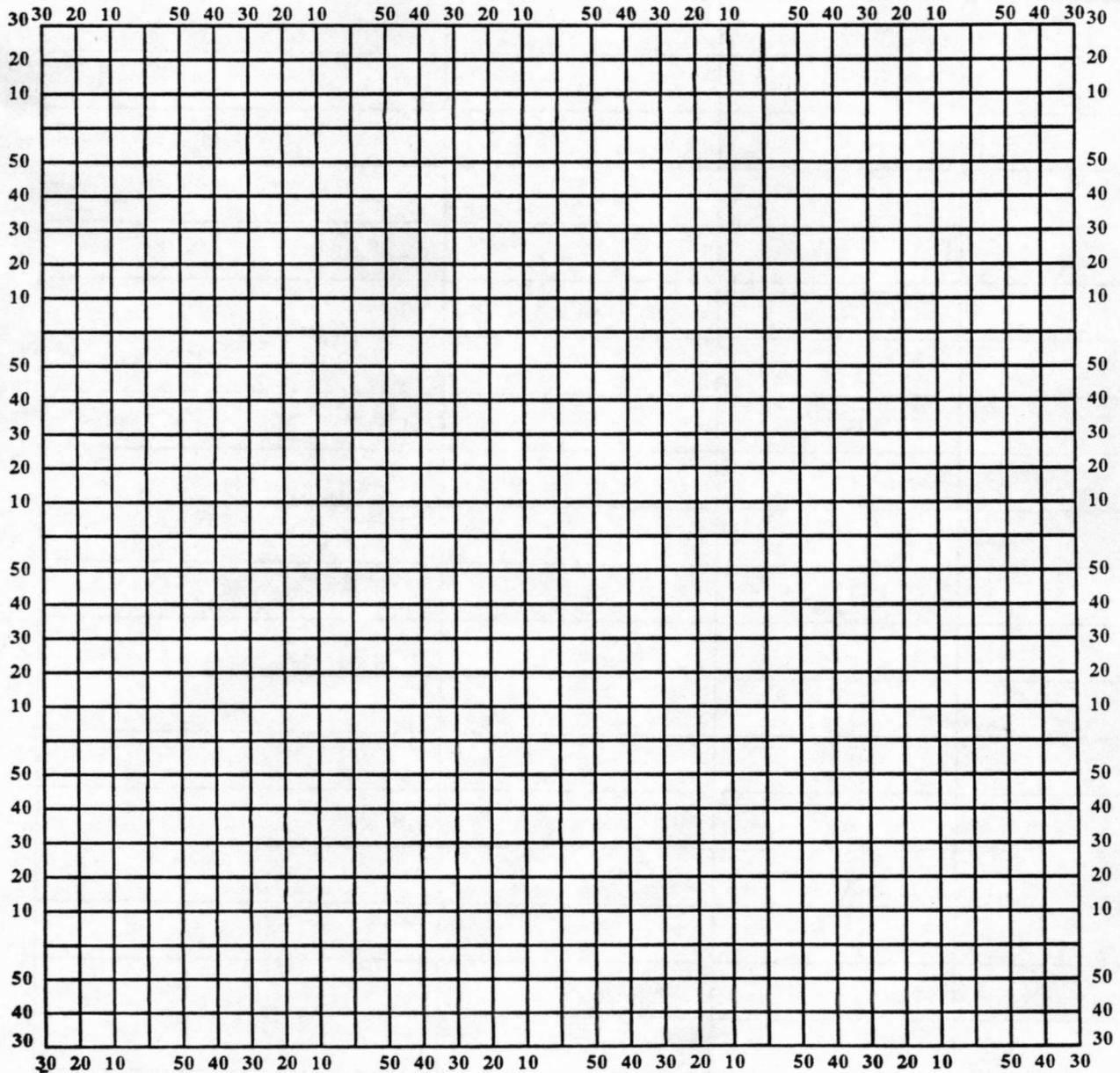
E. I. Proposed Flight Pattern (sketch or designate by number)

E. II. Actual Flight Pattern

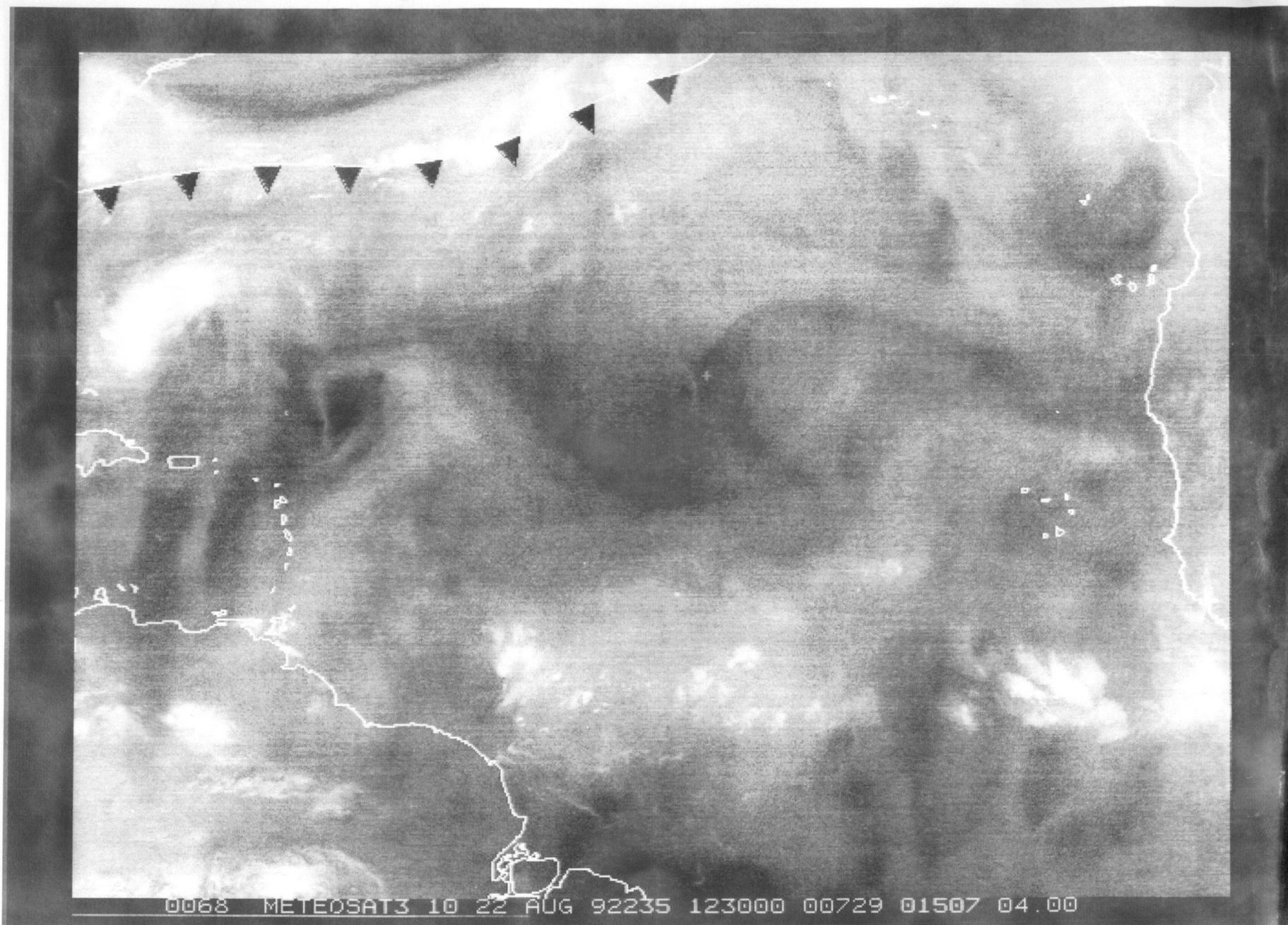
Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes

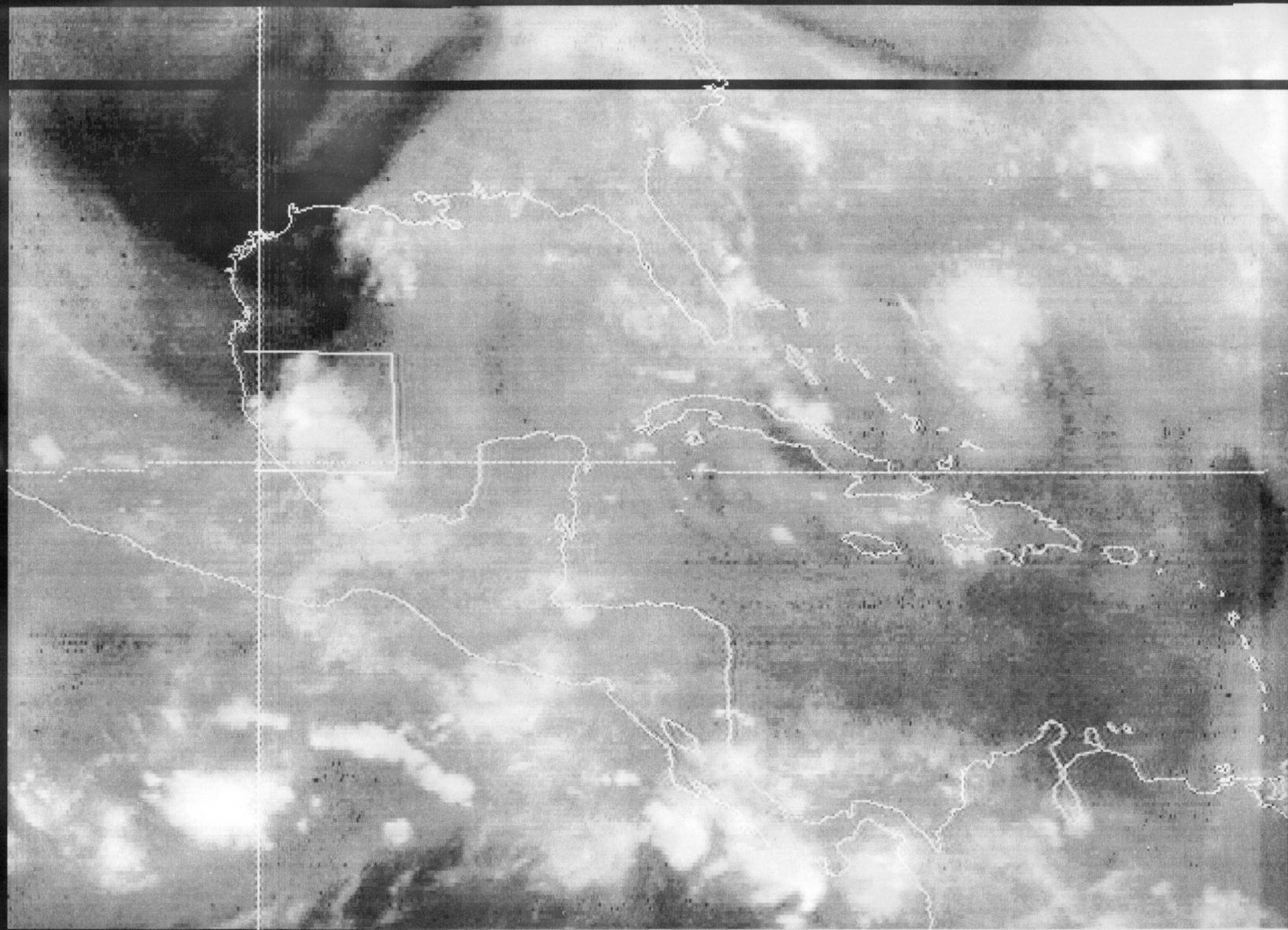
Date _____ Aircraft _____ Observer _____



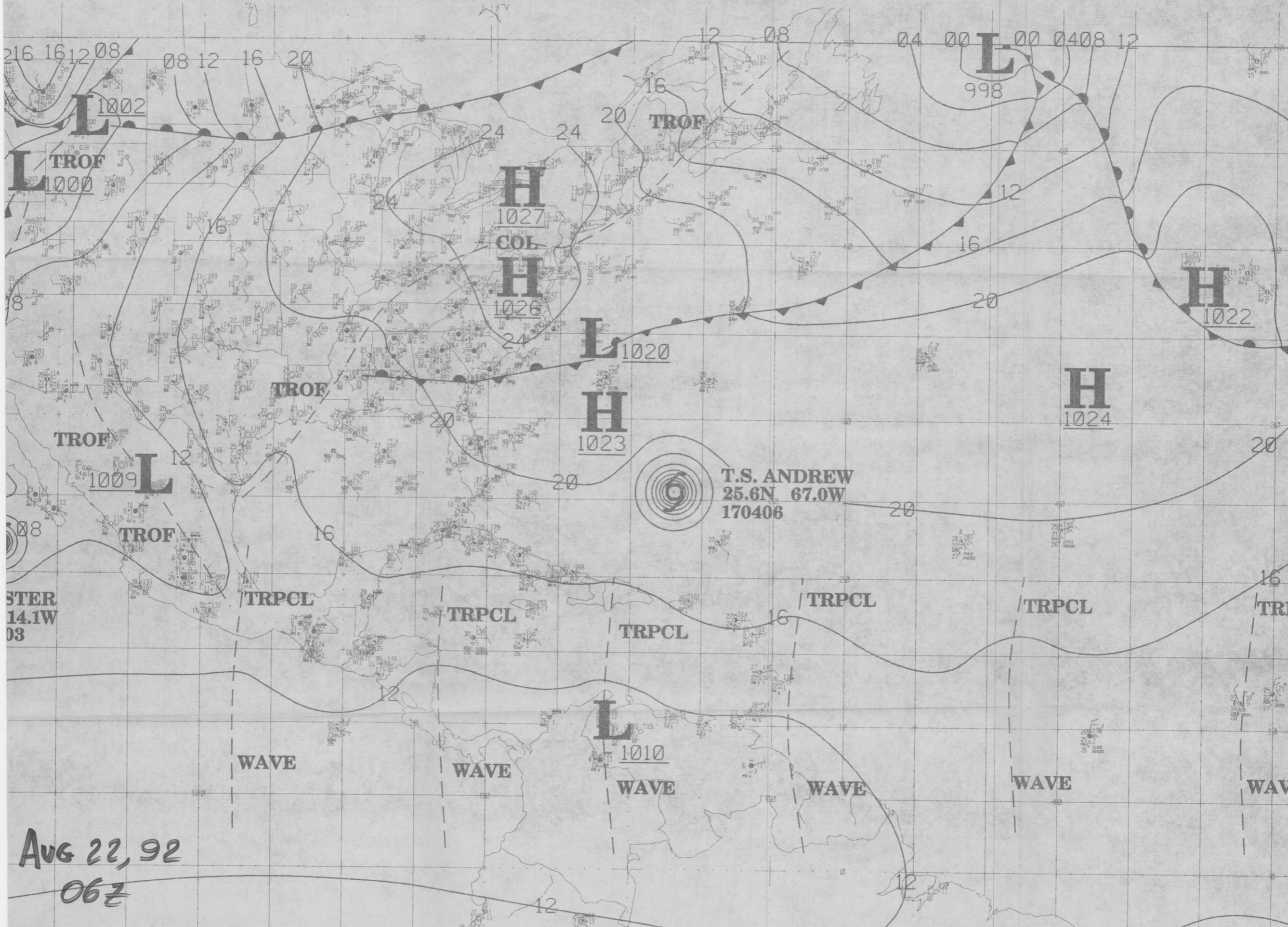
Note: Label full degrees according to location of flight area.



0068 METEOSAT3 10 22 AUG 92235 123000 00729 01507 04.00



7 0013 GOES-7 IR 10 22 AUG 92235 140100 02551 08594 08.00



Aug 22, 92
06Z

T.S. ANDREW
25.6N 67.0W
170406

STER
14.1W
03

WAVE

WAVE

WAVE

WAVE

WAVE

WAVE

