19890918I1_DROPS

FORM E-6

PAGE 1 OF ____

AOML / HRD
OMEGA-DROPWINDSONDE SCIENTIST LOG

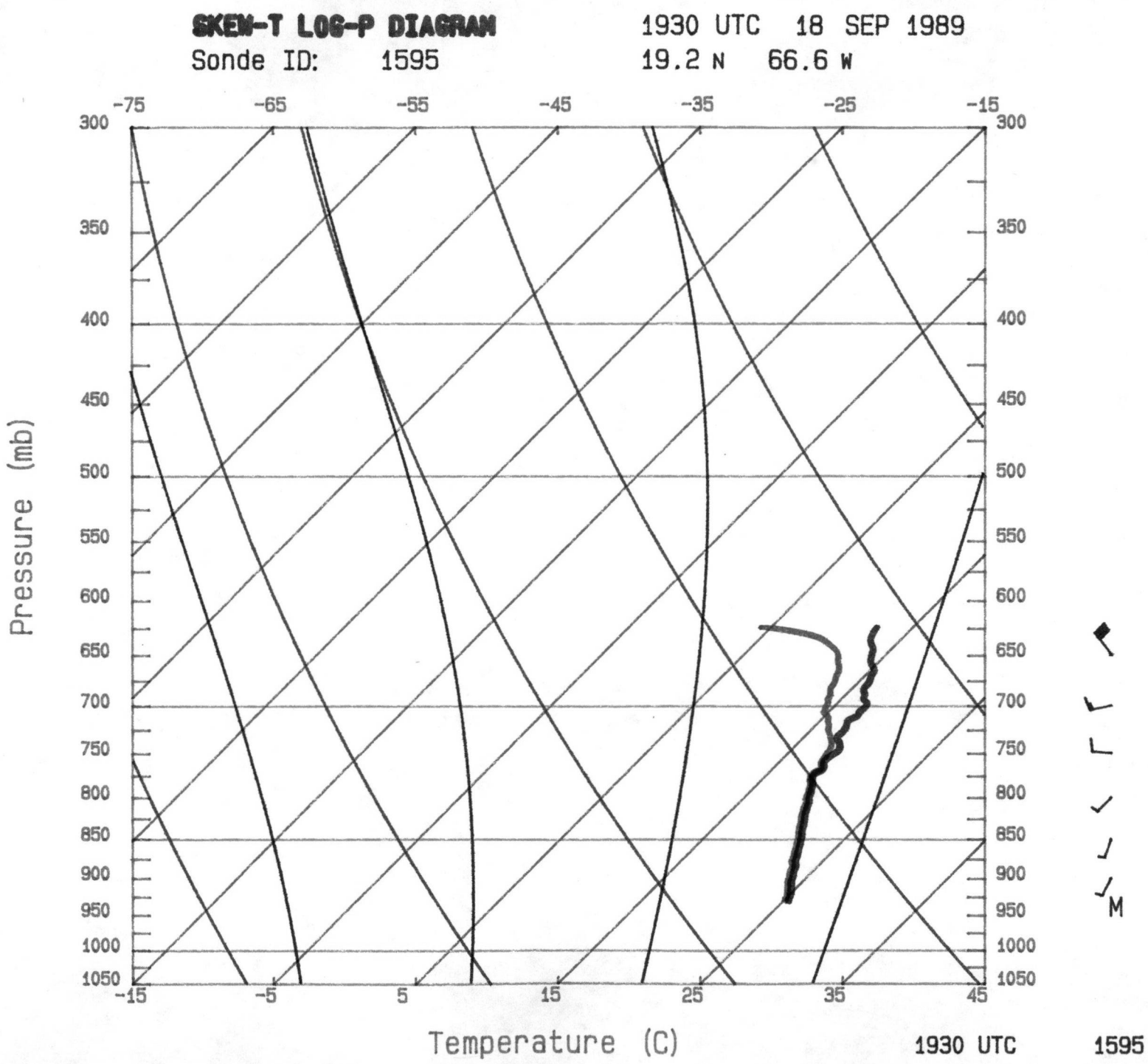
FLIGHT: 890918I

STORM: Hugo

ODW SCIENTISTS Marks

OPERATOR S. Leyva

DROP #	SONDE ID #	TIME GMT	LAT (°)	LON (°)	WIND (M/S) (WD/WS)	HEIGHT (GA)	TEMP (TA)	DEW PT. (TD)	PRESSURE (PS)	REMARKS
1	01595	1929	19.2	66.5	270/08	3814	11.8	9.1	617.9	


SKEW-T LOG-P DIAGRAM
1930 UTC 18 SEP 1989
Sonde ID: 1595
19.2 N 66.6 W
-75 -65 -55 -45 -35 -25 -15
300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050
Pressure (mb)
-15 -5 5 15 25 35 45
Temperature (C)
M
1930 UTC 1595

FORM E-6

AOML / HRD
OMEGA-DROPWINDSONDE SCIENTIST LOG

PAGE 1 OF ____

FLIGHT: 890918I

STORM: Hugo

ODW SCIENTISTS Marks

OPERATOR S. Leyva

DROP #	SONDE ID #	TIME GMT	LAT (°)	LON (°)	WIND (M/S) (WD/WS)	HEIGHT (GA)	TEMP (TA)	DEW PT. (TD)	PRESSURE (PS)	REMARKS
1	01595	1929	19.2	66.5	270/08	3814	11.8	9.1	617.9	

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

JM 1. Operate the system as specified in the operator's manual.

JM 2. Obtain drop release approval (for each drop) from the OAO/Flight Director or Navigator for each specific time and location of drop.

JM 3. Report to the LPS as soon as it is determined that the sonde is or is not transmitting a good signal.

JM 4. Report completion of each drop and readiness for the next drop.

JM 5. Complete Form E-6.

E.6.3 Postflight

JM 1. Complete the summary form for dropwindsondes.

JM 2. Brief the on-board LPS on equipment status and turn in reports and completed forms to the LPS.

JM 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.