19890903HL_DROPS

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.

FORM E-6

PAGE ____ OF ____

AOML / HRD
OMEGA-DROPWINDSONDE SCIENTIST LOG

FLIGHT: ____________________

STORM: ____________________

ODW SCIENTISTS ____________________

____

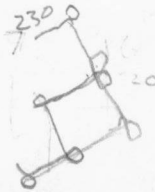
____

OPERATOR ____________________

DROP #	SONDE ID #	TIME GMT	LAT (°)	LON (°)	WIND (M/S) (WD/WS)	HEIGHT (GA)	TEMP (TA)	DEW PT. (TD)	PRESSURE (PS)	REMARKS

_____ 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.



FORM E-6

PAGE 1 OF ____

AOML/HRD
OMEGA-DROPWINDSONDE SCIENTIST LOG

FLIGHT: 890903H

STORM: GABRIELLE

ODW SCIENTISTS WILLOUGHBY

OPERATOR

DROP #	SONDE ID #	TIME GMT	LAT (°)	LON (°)	WIND (M/S) (WD/WS)	HEIGHT (GA)	TEMP (TA)	DEW PT. (TD)	PRESSURE (PS)	REMARKS
1	10832	1957	16.6	50.8		3434	14.5	10.2	662.8	STREAMER, CENTER
2	10762	2025	17.8	50.8	100/86	3002	10.5	10.1	698.3	GOOD NE QUIZNER
3	10831	2049	16.7	51.0	332/35	3089	13.5	11.3	665.9	EYEWALL
4	10829	2115	15.6	50.9	246/28	3035	11.0	6.9	696.7	
5	10828	2136	16.7	49.8	169/33	3061	9.9	9.4	695.6	
6	10833	2205	16.7	51.3	109/78	3039	13.0	11.2	660.7	EYE
7	10421	2210	16.8	51.5	054/04	2985	14.4	11.2	664.0	JAMMED IN TUBE
8	20644	2324	16.3	52.5		5096	0	-3.8	540.1	DROP 8 GOOD NOT CODED
										SLAVE PRINTER FAILED
	10394									