1989090341_ DROPS

follows:

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	Prefli	ght
H	_ 1.	Determine the status of equipment and report results to the on-board LPS.
C.\	_ 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-Fli	ght
M	_ 1.	Operate the system as specified in the operator's manual.
4	_ 2.	Obtain drop release approval (for each drop) from the OAO/Flight Director or Navigator for each specific time and location of drop.
THE M	_ 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	Postfl	ight
	_ 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

- 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	F-6

PAGE ____ OF ____

AOML/HRD
OMEGA-DROPWINDSONDE SCIENTIST LOG

FLIGHT:	ODW SCIENTISTS				
STORM:					
	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).
 - Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.

AOML/HRD

FORM E-6
PAGE _ OF ___

OMEGA-DROPWINDSONDE SCIENTIST LOG

FLIGHT: 890903 H

STORM: GABRIELLE.

	2201	7
300	164	620,45
300	36	16
19.21		50

ODW SCIENTISTS VILLOUGHIST

OPERATOR _____

SONDE ID#	TIME GMT	LAT (°)	LON (°)	WIND (M/S) (WD/WS)	HEIGHT (GA)	TEMP (TA)	DEW PT. (TD)	PRESSURE (PS)	REMARKS
10832	1957	16.6	50.8		3434	14.5	10.2	662.8	STREAMER, CEMER
10762	2025	17.8	50.8	100/86	3002	10-5	10.1	698.3	GOOD NE COIZNEZ
10831	2049	16.7	50.0	332/35	3089	13.5	11.3	665-9	EYEWALL
10829	2115	15.6	50.9	246/28	3035	11.0	6.9	696.7	
10828	2136	16.7	49.8	169/33	3061	9.9	9.4	695.6	
10833	2205	16.7	51.3	109/78	3039	13.0	11,2	660.7	EYE
15421	2210	16.8	51.5	654/04	2985	14,4	11,2	664.0	JAMMED IN TUBE
20644	2324	16.3	52.5		5096	0	-3.8	540-1	DROP & GOOD NOT COPED SLAVE PRINTER FAILED
10394									
	10# 10832 10762 10831 10829 10828 10833 10421 20644	10# GMT 10832 1957 10762 2025 10831 2049 10829 2115 10828 2136 10833 2205 10421 2210 20644 2324	10# GMT (°) 10832 1957 16.6 10762 2025 17.8 10831 2049 16.7 10829 2115 15.6 10828 2136 16.7 10833 2205 16.7 10421 2210 16.8 20644 2324 16.3	ID# GMT (°) (°) 10832 1957 16.6 50.8 10762 2025 17.8 50.8 10831 2049 16.7 54.0 10829 2115 15.6 50.9 10828 2136 16.7 49.8 10833 2205 16.7 51.3 10421 2210 16.8 51.5 20644 2324 16.3 52.5	10 # GMT (°) (°) (WD/WS) 10832 1957 16.6 50.8 10762 2025 17.8 50.8 100/86 10831 2049 16.7 51.0 332/35 10829 2115 15.6 50.9 246/28 10828 2136 16.7 49.8 169/33 10833 2205 16.7 51.3 109/38 10421 2210 16.8 51.5 654/04 20644 2324 16.3 52.5	ID # GMT (°) (°) (WD/WS) (GA) 10832 1957 16.6 50.8 3434 10762 2025 17.8 50.8 100/66 3002 10831 2049 16.7 51.0 332/35 3089 10829 2115 15.6 50.9 246/28 3035 10828 2136 16.7 49.8 169/33 3061 10833 2205 16.7 51.3 109/38 3039 10421 2210 16.8 51.5 654/04 2985 20644 2324 16.3 52.5 5096	ID # GMT (°) (°) (WD/WS) (GA) (TA) 10832 1957 16.6 50.8 3434 14.5 10762 2025 17.8 50.8 100/86 3002 10.5 10831 2049 16.7 51.0 332/35 3089 13.5 10829 2115 15.6 50.9 246/28 3035 11.0 10828 2136 16.7 49.8 169/33 2061 9.9 10833 2205 16.7 51.3 109/18 3039 13.0 10421 2210 16.8 51.5 654/04 2985 14.4 20644 2324 16.3 52.5 5096 0	ID # GMT (°) (°) (WD/WS) (GA) (TA) (TD) 10832 1957 16.6 50.8 3434 14.5 10.2 10762 2025 17.8 50.8 100/66 3002 10.5 10.1 10831 2049 16.7 51.0 332/35 3089 13.5 11.3 10829 2115 15.6 50.9 246/28 3035 11.0 6.9 10828 2136 16.7 49.8 169/33 3061 9.9 9.4 10833 2205 16.7 51.3 109/38 3039 13.0 11.2 10421 2210 16.8 51.5 654/04 2985 14.4 11.2 20644 2324 16.3 52.5 5096 0 -3.8	ID # GMT (°) (°) (WD/WS) (GA) (TA) (TD) (PS) 10832 1957 16.6 50.8 50.8 100/86 3434 14.5 10.2 662.8 10762 2025 17.8 50.8 100/86 3002 10.5 10.1 698.3 10831 2049 16.7 51.0 332/35 3089 13.5 11.3 665.9 10829 2115 15.6 50.9 246/28 3035 11.0 6.9 696.7 10828 2136 16.7 49.8 169/23 8061 9.9 9.4 695.6 10833 2205 16.7 51.3 109/18 3039 13.0 11.2 660.7 10421 2210 16.8 51.5 654/04 2985 14.4 11.2 664.0 20644 2324 16.3 52.5 5096 0 -3.8 540.1