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 ODW 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	Prefligh	t
	_ 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 ODW's are on board the aircraft.
	_ 3.	Complete the appropriate preflight calibrations and check lists.
E.6.2	In-Fligh	t
	_ 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 ODW 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	Postflig	ht
	1.	Complete the summary form for ODW's.
	2.	Brief the on-board LPS on equipment status and turn in reports and completed forms to the LPS.
	3.	Hand-carry all ODW 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.
	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

HRD Omega-Dropwindsonde Scientist Log

Flight	ODW Scientists	-
Storm		-
	Operator	

	(°)	(WD/WS)	Height (GA)	Temp. (TA)	Dew Pt. (TD)	Pressure (PS)	Remarks
		3					0

HRD Omega-Dropwindsonde Scientist Log

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Flight	930928II	

ODW Scientists Kaplan

Storm _____

Operator TRNY Which

			SPAR Metrillos						
Sonde ID #	Time	Lat.	Long.	Wind (m/s) (WD/WS)	Height (GA)	Temp. (TA)	Dew Pt. (TD)	Pressure (PS)	Remarks
4644	174015	27381	839'	293 7 KTS	4512	-0.2	-9,8	585.1	Fairly clear Below plants
2002	1742 40	2737	83 30	286 9KIS	4511	0.0	-10.8	594,9	
2-3053	183242	2759	83 10	214 6 kg	4502	0,9	-13.5	595.4	
2002	182330	283	83 10	3023	4502	0.6	4513	595.4	
							1-2-2-		
9									No. of the second
	1D# 4644 2002 23053	1D # GMT 46 44 174015 2002 174240 23053 182242	1D # GMT (°) 46 44 174015 27381 2002 174240 2737 23053 182242 2759	ID # GMT (°) (°) 46 44 174015 2738' 839' 2002 174240 2737 82 20 23053 182242 2759 83 10	ID # GMT (°) (°) (WD/WS) Y6 44 174015 2738 839 293 7kTS TODA 1742402737 82 20 286 9KTS 23053 182242 2759 83 10 2014 6 KTS	ID # GMT (°) (°) (WD/WS) (GA) Y6 44 174015 2738 839 293 7kT5 4512 TODA 1742402737 82 20 286 9kT5 4511 23053 182242 2759 83 10 2014 6kt5 4502	ID # GMT (°) (°) (WD/WS) (GA) (TA) 46 44 174015 2738 839 293 7kT5 4512 -0.2 TODA 1742 40 2737 82 20 286 9kT5 4511 0.0 23053 182242 2759 83 10 204 6 kt5 4502 0.9	ID # GMT (°) (°) (WD/WS) (GA) (TA) (TD) 46 44 174015 2738 839 293 7kTS 4512 -0.2 -9.8 TODA 1742 40 2737 82 20 286 9kTS 4511 0.0 -10.8 23053 182242 2759 83 10 2014 6kts 4502 0.9 -13.5	ID # GMT (°) (°) (WD/WS) (GA) (TA) (TD) (PS) 46 44 174015 2738 839 293 7kTS 4512 -0.2 -9.8 595.1 TODA 1742402737 82 20 286 9kTS 4511 0.0 -10.8 594.9 23053 182242 2759 83 10 2014 6kts 4502 0.9 -13.5 595.4