

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 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 ODW's are on board the aircraft.
- _____ 3. Complete the appropriate preflight calibrations and check lists.

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 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 Postflight

- _____ 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.

Flight _____

ODW Scientists _____

Storm _____

Operator _____

[illegible]

Flight 901010I1

ODW Scientists FRANKLIN

Storm MARCO

Operator GONZALEZ

[illegible]

XXAA 60225 99270 70852 ///// 99000 27200 /////
00/// ///// ///// 85413 17200 02033 70056 09405
34522 50578 04976 34526 88999 77999
XXBB 6022/ 99270 70852 ///// 00000 27200 11891
19200 22689 08401 33658 08041 44640 07462 55619
04859 66561 00065 77557 00564 88550 01907 99546
02100 11534 02776 22531 02778 33466 08166
21212 00000 ///// 11947 33529 22872 02035 33676
34025 44602 36017 55546 34023 66466 35033

OB #19

XXAA	60225	99279	70847	/////	99999	25600	/////
00///	/////	/////	85409	17000	02517	70052	11242
03504	50578	05560	32025	88999	77999		
XXBB	6022/	99279	70847	/////	00999	25600	11850
17000	22753	12400	33696	11043	44581	01441	55545
02900	66515	03763	77466	08760			
21212	00999	/////	11956	34525	22888	02516	33739
04511	44642	09002	55557	01005	66530	32014	77466
32531							

LAST OOW

OB # 19 → Drop 2
OB # 22 → Drop 3
OB # 24 → Drop 1

OB # 24

XXAA	60225	99258	70857	/////	99///	/////	/////
00///	/////	/////	85///	17044	33031	70///	09872
34019	50///	04774	32523	88999	77999		
XXBB	6022/	99258	70857	/////	00///	/////	11985
25642	22930	20601	33895	19660	44890	19260	55875
17808	66860	17656	77826	15846	88798	15061	99784
14058	11765	13876	22747	12467	33727	11880	44712
10468	55698	09670	66689	08450	77684	08450	88675
08471	99666	08080	11595	01871	22530	02180	33466
07367							
21212	00///	/////	11955	33531	22900	33534	33717
34021	44627	31025	55466	32017			

OB

#

22