

19891014I2 - DROPS

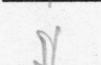
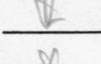
E.6 Omega Dropwindsonde Scientist (On-Board)

The on-board lead project scientist (LPS) on each aircraft is responsible for determining the distribution patterns for 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.)

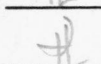
E.6.1 Preflight

-  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 891014I

ODW Scientists WILLOUGHBY

Storm JEIZZY

Operator GONZALES

[illegible]

Flight _____

ODW Scientists _____

Storm _____

Operator _____

[illegible]

SOMDE 00513 LAUNCHED 815MB 16.0C
89/10/15 01:59:32 THDG: 189 GS: 131 TK: 186 WS: 8 WA: 326
TAS: 0 HDG: 147 MAG VAR: 1W STNS: DFBC/G QUAL: 9
LAT: 25 50.5N LNG: 93 24.2W
SND 1 SIG LOSS AT 0

10 815 17.4 100 820
20 823 18.7 100 825
30 828 18.4 100 829
40 834 18.5 100 834
50 839 18.8 100 839
60 844 19.7 100 844
70 849 20.1 100 849
80 853 20.4 100 854
90 859 20.4 100 859
100 865 20.5 100 864
110 871 20.9 100 869
120 878 21.3 100 874
130 884 21.3 100 879
140 890 21.7 100 884
150 895 21.9 100 889
160 901 22.1 100 894
170 907 22.4 100 899
180 913 22.7 100 904
190 918 22.8 100 909
200 924 23.1 100 914
0110 DS 191D 153M/S 0
210 930 23.2 100 919
220 935 23.5 100 924
230 941 23.7 100 929
0140 DS 206D 173M/S 0
240 946 23.9 100 934
250 952 24.2 100 939
260 957 24.6 100 944
0170 DS 207D 132M/S 0
270 962 24.9 100 949
280 966 25.1 100 954
290 971 25.4 100 960
0200 DS 235D 130M/S 0
300 976 25.9 100 965
310 981 26.1 100 970
320 986 26.3 100 975
0230 DS 254D 148M/S 0
330 991 26.8 100 980
340 1036 27.4 100 985
350 1050 3.4 100 991

2

403.5
TIME PR TEMP HUM ESTP
0260 DS 250D 149M/S 0
360 1050 6.9 100 996
370 1050 12.6 100 1002
380 1050 17.8 100
0290 234 226 0

404.5
TIME PR TEMP HUM ESTP

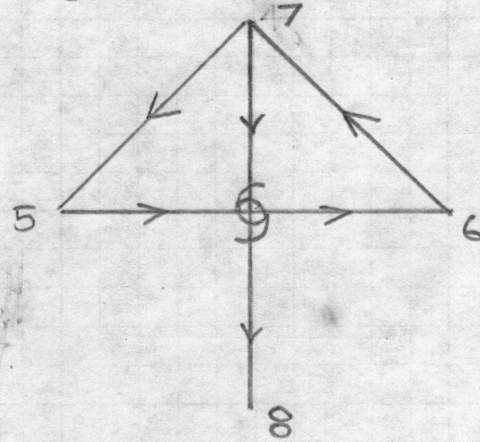
405.5
TIME PR TEMP HUM ESTP

308 980 26.0 100
310 981 26.1 100
312 982 26.2 100
314 983 26.2 100
316 984 26.3 100
318 985 26.3 100
320 986 26.3 100
322 987 26.4 100
324 987 26.5 100
326 989 26.6 100
328 990 26.7 100
330 991 26.8 100
332 992 26.8 100
334 992 27.0 100
336 992 27.4 100
338 992 27.4 100
340 1036 27.4 100
342 1036 27.4 100
344 1050 9.4 100
346 1050 13.7 100
348 1050 7.3 100
350 1050 3.4 100

CH 1 CLEAR

JERRY 1600L T/O

IP: 25 00'N 91° 00'W } ETA ~ 2200Z
 25 00'N 93° 00'W }

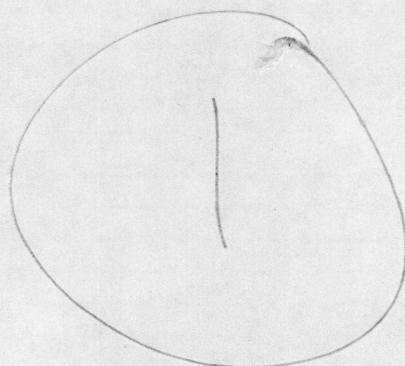


2 DROPS IN 6
@ 5000'

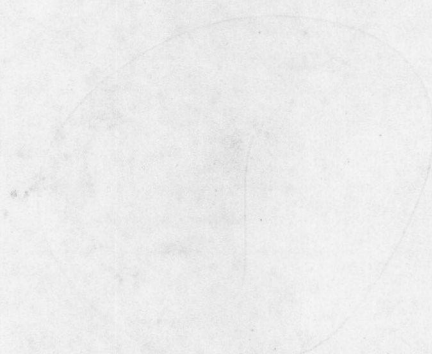
SOVIET ETA 6, 1830 1500 ft → 13000 ft
GUARDING 123.5

SONDE 21453 LAUNCHED 812MB 14.00

403.5				404.5				405.5			
TIME	PR	TEMP	HUM ESTP	TIME	PR	TEMP	HUM ESTP	TIME	PR	TEMP	HUM ESTP
89/10/14	23:47:06	THDG: 357	GS: 122	TK: 354	WS: 10	WA: 97					
TAS:	0	HDG: 147	MAG VAR: 1W	STNS: DFBC/G	QUAL: 9						
LAT: 25 45.6N		LNG: 93 15.9W									



10	826	20.8	86	817
20	835	21.0	83	822
30	839	21.2	83	826
40	844	21.3	84	831
50	848	21.2	93	836
60	853	20.9	99	841
70	858	21.0	100	846
80	862	21.1	100	851
90	867	21.3	100	856
100	872	21.3	100	860
110	876	21.5	100	865
120	881	21.8	100	870
130	886	21.8	100	875
140	890	22.0	100	880
150	895	22.2	100	885
160	899	22.2	100	890
170	905	22.4	100	895
180	910	22.8	100	900
190	915	23.1	100	905
200	919	23.1	100	910
210	924	23.3	100	915
220	929	23.5	100	920
0110	DS 059D	3M/S	9	
230	933	23.6	100	925
240	938	23.7	100	931
250	943	24.0	100	936
0140	DS 041D	3M/S	9	
260	947	24.3	100	941
270	952	24.6	100	946
280	957	24.9	100	951
0170	DS 027D	3M/S	9	
290	962	25.2	100	956
300	968	25.6	100	961
310	973	26.0	100	966
0200	DS 011D	2M/S	9	
320	978	26.3	100	972
330	983	26.6	100	977
340	988	26.8	100	982
0230	DS 346D	4M/S	9	
350	993	27.1	100	987
360	997	27.4	100	992
370	997	12.5	100	998
0260	DS 348D	2M/S	9	
380	1055	-3.0	100	1003
390	1055	7.4	100	1009
338	987	26.8	100	
340	988	26.8	100	
342	990	26.9	100	
344	990	26.9	100	
346	991	27.0	100	
348	992	27.0	100	
350	993	27.1	100	
352	994	27.2	100	
354	995	27.2	100	
356	996	27.3	100	



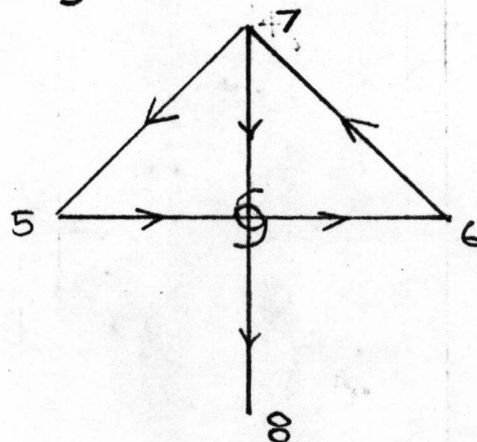
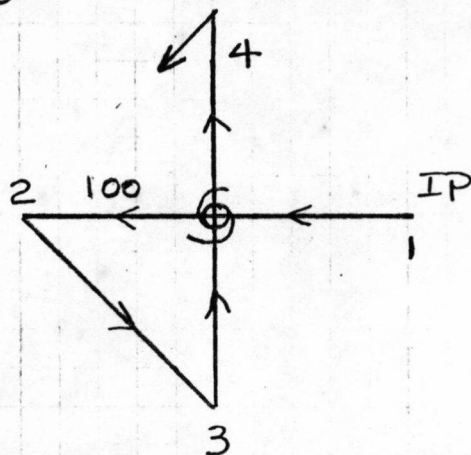
403.5				404.5				405.5			
TIME	PR	TEMP	HUM ESTP	TIME	PR	TEMP	HUM ESTP	TIME	PR	TEMP	HUM ESTP
358	997	27.4	100								
360	997	27.4	100								
362	997	27.4	100								
364	997	27.4	100								
366	997	29.5	100								
368	997	29.5	100								
370	997	12.5	100								
372	1055	-0.5	100								
374	1055	4.0	100								
376	1055	6.8	100								
378	1055	4.9	100								
380	1055	-3.0	100								
CH 3 CLEAR											

N 43 RF

891014H2

JERZY 1600L T/O

IP: 25 100' N 91° 00' W } ETA ~ 2200Z
 25 00' N 93° 00' W }



2 DROPS IN 6

@ 6000'

SOVIET ETA 6, 1830
 GUARDING 123.5

1500 FT → 13000 FT