

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Ophelia Dropwindsonde Scientists Krystal Valde / Paul Leighton Page 1 of 2
 Flight ID 050917HI Flight Director TOM SHEPARD Takeoff from PEACE AFB at 161102 UTC
 Mission ID WX16A Ophelia AVAPS Operators Kew / Olney Recovery at PEACE AFB at 234714 UTC

	Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
Drop #1	1	011378154	163631	42.93	-68.92	1010.5	356/8 7.5	—	—	(RH heating cycles except as noted) spotty T/RH data to begin, rhswitching delay GPS signal; DLD 5.5	3
	2	011378095	165430	42.08	67.57	1004.1	79/17 46.0	—	RB	rhswitching, wind gap 334 - 353S wind dir change @ 780mb - 825mb	4
drop #2	3	011378098	165548	42.07	67.37	1003.3	95/29 7.3	15.5	"E"	rhswitching, strong SE winds Axi drop 1600mb - 625mb wind dir change	6
	4	011218118	170304	41.71	66.78	1003.3	136/17 7.6	—	—	strong near SE winds	8
	5	011378097	170745	41.45	66.41	1003.1	152/27 4.3	—	—	rhswitching, late winds (2025) 60kts @ 825mb by RMW	9
drop #3	6	011378156	171814	40.95	65.64	1006.4	165/37 7.2	—	—	rhswitching, winds 760kts @ 700mb to near sf, set FH/VI Td missing; spotty GPS	11
drop #4	7	011378152	173012	41.29	64.32	1011.5	161/31 7.4	—	—	Good sonde	12
drop #5	8	011378155	174304	41.82	62.97	1015.1	158/16 7.4	—	—	rhswitching, dry sounding	13
drop #6	9	012225067	180320	42.42	60.78	1018.0	156/10 4.4	—	—	rhswitching, dry sounding - especially b/w 750mb - 650mb	14
drop #7	10	012615750	182338	43.11	58.69	1019.7	182/14 7.3	—	—	RH switching, dry sounding especially b/w 850mb - 775mb	16
drop #8	11	011378094	184383	43.80	56.60	1021.3	139/14 7.0	—	—	RH switching, wind dir. change near sf over Gulf Stream	18
drop #9	12	012025087	190344	44.58	54.57	1023.1	104/6 7.5	—	—	rhswitching, wind direction change near sf - over Gulf Stream	21
drop #10	13	011378096	193256	45.61	56.99	1022.3	101/17 8.2	—	—	rhswitching, wind direct change @ ~900mb; DLD 8.5 S; NO RH below 784mb	22
drop #11	14	011378091	195058	46.99	57.08	1023.1	116/16 7.8	—	—	bad T/RH data until ~360s - some still below for words; wind dir change @ 925mb, no altitude	26
drop #12	15	012025090	201224	46.2	58.82	1020.6	133/12 7.3	—	—	rhswitching, wind gap 26-67s, 67s-128s; spotty winds @ beginning, wind dir change @ ~875mb	27
drop #13	16	011378092	203449	45.41	60.62	1018.1	85/16 6.8	—	—	rhswitching, wind dir change @ 450mb	28
drop #14	17	012615755	205917	44.49	62.36	1014.2	108/12 7.3	—	—	late winds (1992), wind gap 255 - 353S; DLD 3.5	30

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Flight ID 050917H1

Flight Director TOM SHEPARD

Takeoff from PCA at 161102 UTC

Mission ID WX 16 A Ophel

AVAPS Operators Kerr / Diney

Recovery at 101 at 234714 UTC

[illegible]

drop # 15

drop#7

18

drop
#18
drop#
19

drop #20