NOAA P-3 GPS Dropwindsonde Scientist Log (MS Word version 2020)

Flight ID_20240702I1__Storm___Beryl_________Dropsonde Scientist__Sellwoodx

The lead project scientist (LPS) on the P3 is responsible for determining the distribution patterns for dropwindsonde releases. Predetermined desired data collection patterns are illustrated on the f ight patterns. Howe er! these patterns often are re"uired to be altered because of clearance problems! etc. #perational procedures are contained in the operator's manual. #n the %&' (the sole H) * person is designated the LPS. The following list contains more general supplementar+ procedures to be followed. (, hec- o . or initial.)

Preflight

/ /0/ / 1. * etermine the status of the 2 (2PS and H 2PS or wor-station.) eport results to the LPS.

/ /0/ / 3. , on4rm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.

/ /0/ / 3. 5 odif+ the f ight pattern or drop locations if re"uested b+ 2 # , to accommodate changes in storm location or closeness to land.

/ /0/ / 6. , omplete the appropriate pre f ight set&up and chec-lists.

In-Flight

/ /0/ / 1. # perate the s+stem as speci4ed in the operator's manual.

/ /0/ / 3. 7nsure the 2 # , f ight director is aware of upcoming drops.

/ /0/ / 3. 7nsure the 2 (2PS operator has determined that the dropsonde is (or is not) transmitting a good signal.) ecommend if a bac-up dropsonde should be launched in case of failure.

/ /0/ / 6.) eport the transmission of each drop and 4ll in the * ropwindsonde Scientist Log.

Post flight

/ /0/ / 1. , omplete * ropwindsonde Scientist Log.

//0// 3. 8rief the LPS on e"uipment status and turn in completed forms! dropwindsonde data tapes! *(*s! or , *s.9**Note**: all data remo ed from the aircraft b+ H) * personnel should be cleared with the 2#, fight director.;

//0///3. ,op+ all raw and processed dropsonde 4les to portable dri e for archi al

//0// 6. *ebrief at the base of operations.

//0// <. *etermine the status of future missions and notif+ 5%#, as to where +ou can be contacted.

Storm _____Beryl___Flight ID_20240702I1_ Dropsonde Scientist__Sellwood___AVAPS Operator__Patel/Santorini_____

Mission ID___0702A_____ Take Off _____0841__STX_____ Landing_ _____

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Lon (°E/W)	Sfc Pressure (mb)	Lowest Wind Dir/Spd (deg/kt)	Lowest Wind Hgt (m)	SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
1	2217303320	0914	16.48	-66.80	1010	085/26	10		IP	1
Comments: IP Saildrone combo with streamsonde										
2	222020987	0930	15.50	-66.92	1004	070/49	10		MP	2
Comments: Midpoint N										
3	222070574	0941	14.90	-67.07	940 (last)	045/86	~60		RMW	3
Comments: RMW N combo with 4 streamsondes set end 227.25 data dropouts then stopped at 60m set height missing winds >100m/s										
4	221730329	0943	14.79	-67.16	933	030/15	10		Center	4
Comments: Center CPA set end 187.00										
5	221730322	0945	1468.	-67.16	950	204/134	~50		RMW	5
Comments: RMW S combo with 4 streamsondes stopped at 50m set height missing removed first 8s of Temp										
6	222030355	0958	13.84	-67.16	1005	235/26	10		MP	6
Comments: Midpoint S										
7	221410189	1012	13.03	-67.14	1008	180/19	10		EP	7
Comments: Endpoint S set end 1 frame up										
8	221530531	1046	14.91	-65.85	1009	125/36	10		IP	8
Comments: IP E set end 1 frame up										
9	332420512	1057	14.93	-66.76	1005	130/45	10		MP	9
Comments: Midpoint E										
10	222030378	1108	14.98	-67.53	942	075/97	10		RMW	10
Comments: RMW E combo with 4 streamsondes										
11	221711271	1110	14.96	-67.70	935	125/13	10		Center	11
Comments: Center set end 153.75										
12	221750521	1114	14.96	-67.94	983	325/61	10		RMW	13
Comments:late RMW W combo with 4 streamsondes										

Storm _____TEST_____Flight ID_____ Dropsonde Scientist_____AVAPS Operator_____

Mission ID_____ Take Off _____ Landing_ _____

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13	222020985	1122	14.97	-68.53	1003	015/31	10		MP	12
Comments: Midpoint W										
14	221810052	1132	14.87	-69.39	1007	005/14	10		EP	15
Comments: EP W										
15	222050556	1149	13.88	-69.34	1008	120/03	10		IP	16
Comments: IP SW set end 2 frames up										
16	221730258	1204	14.53	-68.67	1005	315/13	10		MP	17
Comments: Midpoint SW										
17	222030380	1216	15.02	-68.13	941	N/a	N/a		RMW	18
Comments: RMW SW Fast fall removed wind to be safe set end 119.75										
18	221730488	1219	14.05	-68.08	938	270/04	10		Center	19
Comments: Center										
19	221750634	1223	15.20	-67.99	954	051/59	10		RMW	20
Comments: RMW NE										
20	221730321	1238	15.83	-67.33	1008	100/38	10		MP	21
Comments: late Midpoint										
21	222030374	1249	16.30	-66.84	1010	105/30	10		EP	23
Comments: Endpoint NE										
22	222010834	1326	16.47	-69.81	1011	045/27	10		IP	24
Comments: IP NW set end 236.25										
23	222010192	1346	15.67	-68.98	1002	040/53	10		MP	25
Comments: Midpoint NW.										
24	221730324	1355	15.32	-68.63	955	010/126	10		RMW	26

Comments: RMW NW set end 194.75

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Comments:										