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

Flight ID__20240706H1_____Storm_____Beryl___Dropsonde Scientist__Sellwood_____

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 flight 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 H2PS 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. 5odif+ the flight pattern or drop locations if re"uested b+ 2#, to accommodate changes in storm location or closeness to land.

//0/// 6. ,omplete the appropriate preflight 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#, flight 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.

//l/// 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#, flight 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_20240706H1__ Dropsonde Scientist_Sellwood_____AVAPS Operator_____Patel/Santoni_____
Mission ID__2402A_____ (ex. 0101A) Take Off _____0819_____KLAL_____ 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	221740652	1011	23.88	-90.74	1007	090/35	10		IP	1
Comments IP NE-SW leg										
2	221740665	1024	23.08	-91.16	1003	095/39	10		MP	2
Comments Midpoint NE										
3	230610056	1038	22.52	-91.73	999	075/10	10		Center	3[1]
Comments Center										
4	230650044	1045	22.13	-92.01	1002	305/37	10		QP/RMW	4
Comments Quiarterpoint SW– no clear RMW removed first 8s T and RH										
5	230650116	1055	21.48	-92.38	1005	310/23	10		MP	7
Comments Midpoint SW removed first 8s T and RH										
6	230710641	1102	20.97	-92.56	1008	330/23	10		EP	5
Comments Endpoint SW set end 243.00 removed first 8s T and RH										
7	230351480	1124	21.17	-91.04	1007	240/18	10		IP	8
Comments IP SE										
8	230340060	1136	21.91	-91.50	1004	240/25	12		IP	9
Comments Midpoint SE										
9	23090040	1142	22.30	-91.74	1000	255/05	10		QP	10

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Comments Quarterpoint SE removed 3s RH 5s T at top										
10	230940077	1145	22.49	-91.81	999	295/08	10		Center	13
Comments Center removed first 6s T 3s RH set end 1 frame up										

11	230530842	1154	23.05	-92.15	1003	025/35	10		QP	11
Comments: Quarterpoint NW removed all RH data 120%										

12	230421367	1201	23.46	-92.40	1006	005/43	10		MP	12
Comments Midpoint NW										

13	230650170	1213	24.18	-92.86	1009	040/31	10		EP	14
Comments End point NW										

18	230740553	1323	23.09	-89.92	1009	135/33	10		EP	19
Comments Endpoint E Last Report removed first 8s T 5s RH set end 1 frame up										

19										
Comments										

Comments										

Comments										

Comments										

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