

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

Flight ID 20240701I1 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. However, these patterns often are required to be altered because of clearance problems, etc. Operational procedures are contained in the operator's manual. The person (the sole H) designated the LPS. The following list contains more general supplemental procedures to be followed. (, hec- o. or initial.)

**Preflight**

- //0// 1. Determine the status of the 2 (2PS and H2PS or workstation.) report results to the LPS.
- //0// 3. Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.
- //0// 3.5 Modify the flight pattern or drop locations if requested by 2# , to accommodate changes in storm location or closeness to land.
- //0// 6. Complete the appropriate preflight setup and check-lists.

**In-Flight**

- //0// 1. Operate the system as specified in the operator's manual.
- //0// 3. Ensure the 2# , flight director is aware of upcoming drops.
- //0// 3. Ensure the 2 (2PS operator has determined that the dropsonde is (or is not) transmitting a good signal. Recommend if a back-up dropsonde should be launched in case of failure.
- //0// 6. Report the transmission of each drop and fill in the \*ropwindsonde Scientist Log.

**Post flight**

- //0// 1. Complete \*ropwindsonde Scientist Log.

//0// 3. Brief the LPS on equipment status and turn in completed forms! dropwindsonde data tapes! \* ( \*s! or , \*s.9 **Note:** all data removed from the aircraft b+  
H) \* personnel should be cleared with the 2# , flight director.;

//0//3. ,op+ all raw and processed dropsonde files to portable drive for archival

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

//0// <. \*etermine the status of future missions and notify 5%# , as to where you can be contacted.

Storm Beryl Flight ID 2024070111 Dropsonde Scientist Sellwood AVAPS Operator Patel/Santorini

Mission ID \_\_\_\_\_ Take Off 0759 Landing \_\_\_\_\_

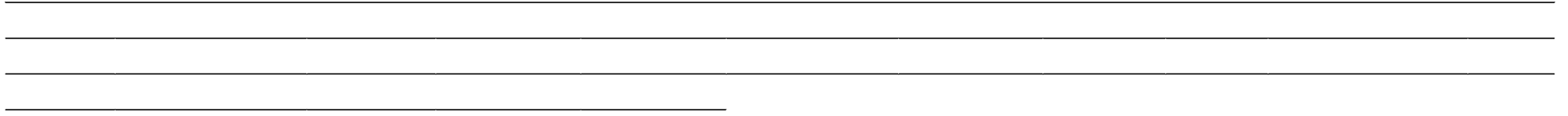
Drop #	Sonde ID	Time UTC	Lat (°N/S)	Lon (°E/W)	Sfc Pressure (mb)	Lowest Wind Dir/Spd (deg/kt)	Lowest Wind Hgt (m)	SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
1	221750221	0914	12.84	-61.68	1007	005/17	10		IP	1
<b>Comments:</b>										
2	222520308	932	12.27	-60.68	1003	050/40	10		MP	2
<b>Comments: Midpoint inbound NW</b>										
3	222070568	942	11.93	-60.13	976	335/70	10		RMW	3
<b>Comments: RMW NW set end 267.25</b>										
4	222520373	945	11.79	-59.95	961	140/24	10		CENTER	4
<b>Comments: Center</b>										
5	221711294	948	11.65	-59.85	977	160/99	10		RMW	5
<b>Comments: EYEWALL SE satellite dropouts near surface</b>										
6	221730323	1000	11.21	-59.16	1007	175/37	10		MP	6
<b>Comments: Midpoint SE</b>										
7	221730487	1012	10.92	-58.48	1009	160/32	10		EP	7
<b>Comments: Endpoint SE set end 2 frames up</b>										
8	222350054	1038	12.72	-58.77	1009	115/39	10		IP	8
<b>Comments: IP NE</b>										
9	221730319	1050	12.29	-59.52	1006	120/51	10		MP	9
<b>Comments: Midpoint NE removed first 8s Temp</b>										
10	222350120	1100	11.99	-60.07	977	105/104	10		RMW	10
<b>Comments: RMW NE</b>										
11	222020993	1104	J11.90	-60.32	960	22/008	10		Eye	11
<b>Comments: Center streamsonde combo</b>										
12	221410029	1106	11.81	-60.45	972	260/10	10		RMW	

Comments: RMW SW

Storm \_\_\_\_\_ TEST \_\_\_\_\_ Flight ID \_\_\_\_\_ Dropsonde Scientist \_\_\_\_\_ AVAPS Operator \_\_\_\_\_

Mission ID \_\_\_\_\_ Take Off \_\_\_\_\_ 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 #
13	221739330	1119	11.37	-61.20	1006	285/20	10		MP	13
<b>Comments: Midpoint SW set end 204.25</b>										
14	222020520	1124	11.22	-61.48	1007	300/18	10		EP	15
<b>Comments: Endpoint SW early due to land/hips set end 2 frames up</b>										
15	221350573	1150	10.47	-60.68	1009	230/25	10		IP	16
<b>Comments: IP S late due to land/ships set end 2 frames up removed first 8s Temp</b>										
16	221430468	1157	10.98	-60.68	1006	220/24	10		MP	17
<b>Comments: Midpoint S</b>										
17	221711270	1211	11.94	-60.65	966	245/79	10		RMW	18
<b>Comments: RMW Set end 212.75</b>										
18	2214	1213	12.06	-60.63	958	080/10	10		Center	19
<b>Comments: Center no flight level PTH recorded</b>										
19	221750194	1216	12.26	-60.63	969	035/132	10		RMW	20
<b>Comments: RMW N</b>										
20	221640554	1226	12.9	-60.63	1005	095/54	10		MP	21
<b>Comments: Midpoint N</b>										
21	222350118	1236	13.61	-60.61	1009	075/31	10		EP	22



<b>Comments:</b>										
<b>Comments:</b>										
<b>Comments:</b>										
<b>Comments:</b>										