0309A IDA

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

Flight ID 20210827I1 Storm Ida Dropsonde Scientist Hazelton

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. On the G-IV the sole HRD person is designated the LPS. The following list contains more general supplementary procedures to be followed. (Check off or initial.)

Preflight

✓ 1. Determine the status of the AVAPS and HAPS or workstation. Report results to the LPS.

✓ 2. Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.

✓ 3. Modify the flight pattern or drop locations if requested by AOC to accommodate changes in storm location or closeness to land.

✓ 4. Complete the appropriate preflight set-up and checklists.

In-Flight

✓ 1. Operate the system as specified in the operator's manual.

✓ 2. Ensure the AOC flight director is aware of upcoming drops.

✓ 3. Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal. Recommend if a backup dropsonde should be launched in case of failure.

✓ 4. Report the transmission of each drop and fill in the Dropwindsonde Scientist Log.

Post flight

_____ 1. Complete Dropwindsonde Scientist Log.

_____ 2. Brief the LPS on equipment status and turn in completed forms, dropwindsonde data tapes, DVDs, or CDs.
[**Note**: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]

_____ 4. Debrief at the base of operations.

_____ 5. Determine the status of future missions and notify MGOC as to where you can be contacted.

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

Storm IDA Flight ID 20210827I Dropsonde Scientist Hazelton AVAPS Operator

Mission ID 0309A (ex. 0101A) Take Off 0747 UTC 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	20381027G	0941	20.67	83.19 W	1007.0	050/19	10	29.62	—	01
Comments	Good				End NW					
2		0952	20.16	82.61W	1005.7	080/22	10	—	—	02
Comments	Good				Mid NW					
4	20252087	1007	19.94	81.59W	997.9	090/20	12	—	Center	03
Comments	Good						Center			
3	20381026	0958	20.03	82.15	1004.7	035/34	10	—		04
Comments	Good						Qtr NW			
5	20363023	1014	19.57	81.14	1001.4	140/37	10	—	—	05
Comments	Good						Qtr SE			
6	20263026	1026	19.29	80-84	1004.1	140/30	10	—	—	07
Comments	Some Post Splash Not Detected						Mid SE			
7	20263042	1031	18.79	80.18	1006.5	140/26	10	29.2	—	08
Comments	Some Post Splash Not Detected						End SE			
8	20381026	1110	21.09	81.20	1006.0	045/45	10	—	—	09
Comments							End NE			
9	20335029	1113	20.89	81.37	1007.8	065/41	10	—	—	10
Comments	Post Splash Data						Mid SE			
10	20263048	1119	20.52	81.60	1000.9	055/40	10	—	—	11
Comments	Late Launch Detect, Hard to Fix Some Data									Qtr NE

NWS Sondes: 11 11 ONR Sondes: 11 11 ONR BTs: 11

ONR BT 29.62

29.22

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

Storm _____ Flight ID _____ Dropsonde Scientist _____ AVAPS Operator _____

Mission ID _____ (ex. 0101A) 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 #	
11	[redacted]	1137	19.67	81.98	1002.0	310/20	10	—	—	12	
Comments	Good Sonde				Qtr [redacted] SW						
12	20210827I1	1141	19.78	82.18	1007.3	305/13	10	—	—	13	
Comments					Mid [redacted] SW						
13	20351030 3	1154	18.07	82.82	1006.4	325/07	10	—	—	14	
Comments						[redacted]	End SW				
14	20363181 7	1210	18.74	81.73	1007.0	225/14	10	29.02	—	15	Combo
Comments	Good Sonde						[redacted]		End S		
15	20[redacted]23	1221	19.55	81.73	1004.6	240/21				16	
Comments							[redacted]		Mid S		
10	20335053 2	1228	20.05	81.79	—	—	—	—		17	
Comments	No surface (Close)								Qtr S		
17	20335040	1232	20.33	81.75	997.7	0/13	12	—	center	18	
Comments	Good								Center		
18	20354169	1242	20.90	81.98	1003.6	005/44	10	—		19	
Comments	Good								Qtr N		
19	20[redacted]3 7	1247	21.23	81.98	1006.9	065/47	0	—		20	
Comments	Good								Mid N		
20	20335025	[redacted] 1259	21.03	82.04	1008.9	080/33		29.03		21	Combo
Comments	Good		1257	no launch					End N		C-S

ONR: IIII

NWS: IIII IIII IIII

BTs: III

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

Storm _____ Flight ID _____ Dropsonde Scientist Hazelton AVAPS Operator _____

Mission ID _____ (ex. 0101A) 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 #
21	20610685	[illegible]	20.52	83.82	1007.5	055/14	10	—	—	22
Comments					Back BT			End W		
22	20610686	1347	20.52	82.92	1006.8	025/23	20	—	—	23
Comments								Mid W		
23	[illegible] 20610687	1353	20.53	82.45	1004.9	015/31	12		—	24
Comments								Ctr W		
24	20452419	1400	20.70	81.95	999.5	315/24	10	28.9°C	Eye Center	25
Comments	post-splash data							Center		
25	20453016	1407	20.70	81.40	1001.0	150/49	10	—	—	26
Comments								Ctr E		
26	20342026	1413	20.66	81.00	1005.7	145/47	10	—	—	27
Comments					1007.0			Mid E		
27	20353070	1420	20.50	80.50	[illegible]	130/42	0	—	—	28
Comments	Little bit of splash data							End E		
[illegible]										
Comments										
Comments										
Comments										

NWS 𝍸 𝍸 𝍸 𝍸

ONR 𝍸 ||