

NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)

Storm DORIAN
Mission ID 2205A

Flight ID 190831H1
(exp. 0213A)

Dropsonde Scientist B. Dahl
Dropsonde Scientist G. Alaka

AVAPS Operator J. Greene
AVAPS Operator

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Drop #	Sonde ID	Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind closest to		SST (°C)	Eye/Eyewall, Rainband, etc.	Obs #
						Dir/Spd (deg/kt)	Hgt (m)			
B ✓ 1		1008	25.49	75.99	1013	025/16		—	—	1
Comments ferry flag launch RH										
B ✓ 2		1030	25.04	74.07	1010	315/23		—	—	2
Comments 1P flag launch wind										
B ✓ 3		1050	25.79	72.75	944	135/05		—	CENTER	3
Comments ctr flag launch wind										
B ✓ 4		1052	25.83	72.63	952	055/118		—	EYEWALL	5
Comments rmw flag RH \pm 378.5 s, keep winds 376.25-378.25										
G ✓ 5		1101	"	"				—	—	6
Comments mid flagged data \pm 305.75s sat dropout, launch RH										
B ✓ 6		1112	26.51	71.34	1012	145/30		—	—	7
Comments end, flagged launch RH, winds										
B ✓ 7		1133	27.24	72.91	1012	075/35		—	—	8
Comments end good										
G ✓ 8		1143						—	—	9
Comments mid										
B ✓ 9		1153	25.97	72.88	960	030/114		—	EYEWALL	10
Comments rmw flag launch TH										
10	ctr	1156								
Comments BAD										

\pm = VDM

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						Dir/Spd (deg/kt)	Hgt (m)			
B ✓ 11 ₃		115650	25.80	72.91	947	20.6/12.8 m/s	27	-	CENTER	11
Comments	ctr end at t=195.50s									
B ✓ 12 ₄		1158	25.71	72.91	962	180/92		-	EYEWALL	13
Comments	RMW turbulent. 180 S									
B ✓ 13 ₅		1207			1005	230/25		-	-	12
Comments	mid									
B ✓ 14		1220	24.38	72.94	1012	225/25		-	-	14
Comments	end flagged launch wind									
B ✓ 15		1241	25.11	71.69	1012	190/30		-	-	15
Comments	end initial spike in dz/dt - flagged launch wind, winds in that layer already flagged SE Flagged launch RH, too.									
B ✓ 16		1250						-	-	16
Comments	mid									
B ✓ 17		1305	25.83	72.99	958	105/86		-	EYEWALL	18
Comments	RMW SE. Flag launch TH. 135 SE (inner edge)									
B ✓ 18		1307			946	085/10		-	CENTER	17
Comments	ctr Flagged launch winds. + t=10.00, 16.75, 25.25 sprinkled among a bunch of We's									
B ✓ 19		1309	29.95	73.24	962	330/118		-	EYEWALL	19
Comments	RMW NW Flag launch TH NW									
B ✓ 20		1319			1008	025/33		-	-	20
Comments	mid									

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						Dir/Spd (deg/kt)	Hgt (m)			
B ✓ 21		1327	26.66	74.48	1010	040/34		—	—	21
Comments	end end at t=248.75 s									
✓ 22		1357	26.02	73.38	967	350/96		—	EYEWALL NW	23
Comments	mmw. Flagged launch TH.									
✓ 23		1358	26.00	73.34	955	345/89		—	"	24
Comments	mmw Flagged launch TH.									
✓ 24		1359	25.93	73.25	946	090/13		—	CENTER	22
Comments	center end at t=189.75. flag launch mhd									
✓ 25		1401	26.03	73.20	954	050/132		—	EYEWALL NE	25
Comments	mmw end at t=243.00.									
✓ 26		1402	26.08	73.18	962	065/118		—	EYEWALL NE	26
Comments	mmw flagged launch RH.									
✓ 27		1425	26.17	73.32	984	040/02		—	EYEWALL N	27
Comments	mmw flag launch RH.									
✓ 28		1427	26.06	73.32	955	025/108		—	EYEWALL N	28
Comments	mmw flag launch RH. keep winds t=205.75 - 207.75									
✓ 29		1432	25.97	73.50	964	315/111		—	EYEWALL SW	29
Comments	flag launch RH.									
G 30		1508						—	—	31
Comments	ferry high-alt.									

