

N423RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Genesis / IFEX Dropwindsonde Scientist: KRYSTAL VADE Page 1 of 2
 Flight ID 050723I Flight Director: ~~DAVID~~ Martin Mayeaus Takeoff from MACALL AFB at 000305 UTC
 Mission ID WXWATRAV AVAPS Operators: only / Sansouci Recovery at MACALL AFB at 081917 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (m/s)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	034113029	015051	21°45.1	8°55.6	1015.0	74°/5.7	7		RH heating cycles, avaps applied press dry sounding, baseline correct	15
2	033048015	020222	20°59.6	8°11.0	1015.2	109°/8.5	4		RH heating cycles, no fct Td/RH	24
3	034618048	021727	19°59.5	8°31.0	1014.7	123°/11.8	4		dry Humidity bias applied, above 730mb	20
4	034325021	023245	18°58.7	8°49.4	1013.6	111°/11.9	7		avaps applied Press baseline correct	26
5	034355028	024412	18°11.4	87°0.7	1014.0	—	—		dry humidity bias applied, now winds from 90mb, saturated b/w 700-800mb	27
6	034355024	025004	17°23.5	87°13.2	1013.5	123°/14.2	4		dry humidity bias applied	29
7	034618057	031005	17°53.9	86°25.1	1013.2	133°/13.9	7		—	31
8	034323170	032429	18°30.8	85°41.7	1014.8	153°/9.9	7		weak tendency, saturated near FTHV, flying b/w storm eye cell, no FTHV Td	34
9	034323173	033935	19°30.3	86°19.0	1015.0	—	—		Spotty wind data, nose winds	37
9a	034113082	034305	19°45.6	86°21.3	1015.3	—	—		"backup sends" → nose wind	38
10	034323180	035258	20°30.7	86°14.3	1016.3	—	—		set FTHV Td a musting	39
11	034113087	041142	21°33.8	86°06.2	1015.6	110°/5.6	4		—	40
12	043625011	042243	21°53.3	87°01.3	1016.4	100°/5.1	4		—	41
13	034618044	043432	21°33.4	88°00.6	1014.6	103°/5.4	7		RH heating cycles	42
14	034113020	044635	21°33.3	89°00.6	1015.7	98°/5.0	4		RH heating cycles	43
15	034323186	045833	21°52.6	90°01.1	1015.0	99°/9.5	7		RH heating cycles, saturated @ 780mb, 975mb	48
16	035735092	050102	21°49.5	91°00.3	1014.9	—	—		RH heating cycles, no fct Td/RH	49

AVAPS Appl Ind
 → Press. Baseline correct

NOTE: AVAPS applied a Press baseline correction for sondes: 1-2, 4-6, 8-11, 14-15

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Flight ID 050721

Flight Director Martin Mayhew

Takeoff from MACDILL AFB at 000305 UTC

Mission ID WXXATRAIN AVAPS Operators DNLEY / SAN SEUC

Recovery at Macmillan at 081817 UTC

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