

RaDAPS Logbook

IOP #	4
Crew Members	Joshua, Emily, Caleb
Arrival Time/Date (UTC)	2023/03/31 1807Z
Latitude	35.17621
Longitude	-87.04821
Heading	105
Elevation (m)	201
Fully Operational Time/Date (UTC) <small>*List any non-operational equipment below*</small>	2023/03/31 1839Z
Departure Time/Date (UTC)	

Observations, Equipment Issues, Notes, etc.

Time (UTC)	Notes
1706	RaDaps and 99 van depart SWIRLL
1807	RaDAPS arrive on site (35.17621, -87.04821). PI ~330 meters at 195 deg. Set-up in middle of parking lot due to power line over part of the lot
1839	RaDAPS fully operational - no issues regarding set-up
1843	Sfc: 68.3 F, winds 6 m/s at 210 degrees
1910	Gust to 10.8 m/s
2000	<u>Sounding Launched (1)</u>
2018	Sfc: Temp up to 71.2 F - clearing over radaps site
2032	Gust to 12.8 m/s

2102	Sfc: 72.1F winds 5 m/s at 190 deg
2129	<u>Sounding Launched (2)</u>
2227	Clearing toward the west, temps steady at 72.1, winds out of S to SSW
2300	<u>Sounding Launched (3)</u>
2344	Sfc: 70.1 F, winds 6 m/s at 180 deg. Clouds returning over site
0000	<u>Sounding Launched (4)</u> . Slight clearing - moon spotted
0048	Sfc: 70.5 F, winds 4 m/s at 200 deg. Humidity up to 63%
0100	<u>Sounding Launched (5)</u> .
0102	Power dip - alarm shut off
0150	Sfc: 71 deg, winds 4 m/s at 200
0200	<u>Sounding Launched (6)</u>
0210	Gust to 12.2 m/s
0247	Gust to 13.5 m/s
0300	<u>Sounding Launched (7)</u>
0300	915 going haywire 😞 and was rebooted
0355	Power dip again 😞
0400	<u>Sounding Launched (8)</u> with launch tube. 915 still being dumb
0450	915 appears to be working fine, just not a great site. Power is fine to the system but still battling unidirectional flow
0451	Sfc: 71.7F, winds 8 m/s at 200
0500	<u>Sounding Launched (9)</u>
0505	Power dip reset
0537	Temp 71.7F, winds 8 m/s at 195. Humidity to 63.7%. Pressure at 985.1 mb
0558	<u>Sounding launched (10)</u>
0625	Tower lowered due to onset of convection

0630	Onset off breakaway cell immediately ahead of line. Gust to 11.6 m/s with tower down
0651	Sfc: 70.8F, winds 3 m/s at 220 (tower down) and humidity to 72.2%
0700	<u>Sounding Launched (11) right ahead of convection</u>
0723	Wind shift to the WNW as line reached Daps
0730	Line has cleared Daps. What a wild 7 minutes (he says sarcastically)
0800	Teardown initiated as end of ops declared