

RaDAPS Logbook

IOP #	5
Crew Members	Joshua, Mike, Clara
Arrival Time/Date (UTC)	2023/04/05 1039
Latitude	35.77341
Longitude	-90.34875
Heading	270
Elevation (m)	70
Fully Operational Time/Date (UTC) <small>*List any non-operational equipment below*</small>	2023/04/05 1111
Departure Time/Date (UTC)	

Observations, Equipment Issues, Notes, etc.

Time (UTC)	Notes
1039	Radaps and 99 van arrive on-site
1107	<u>Sounding Launched (1)</u>
1111	Radaps fully operational
1115	Hodograph updated per SPC TOR watch - 220 deg at 40 kts
1145	Sunrise at dippy daps
1200	Sfc: 73.2F, winds 9 m/s at 170 deg
1203	16.6 m/s wind gust reported
1224	Sustaining gusts of 25-30 mph

1230	<u>Sounding launched (2)</u>
1250	17.5 m/s wind gust recorded
1311	Steady gusts between 12-15 m/s
1317	Sfc: 75 F, winds 10 m/s at 195 deg
1330	Hodograph updated per SMV from SharpPy: 238 deg at 25 kts
1335	99 van sfc station down. Will be switching to daps for subsequent soundings. Mike is troubleshooting
1355	18.0 m/s gust recorded
1400	<u>Sounding Launched (3)</u>
1430	Sfc: 76.1F, winds 11 m/s at 200
1439	Hodograph updated per SVR north of LIT: 252 deg at 44 kts
1501	<u>Sounding Launched (4)</u>
1544	Hodograph updated per latest SPC tornado watch update: 240 deg at 35 kts
1550	1.7 mb increase in sfc pressure in one hour
1558	2 dead sondes direct out the package
1601	<u>Sounding Launched (5)</u>
1639	Hodograph updated per SVR warning for Daps location: 266 deg at 41 kts
1655	Sfc temp to 24.9C (76.8F), winds 10 m/s at 205 deg
1701	<u>Sounding Launched (6) ahead of convection</u>
1711	Tower lowered as line arrived
1714	17.6 m/s wind gust recorded with tower down as precip started
1722	Precip interval of 49.1 mm/hr recorded
1727	Lightning <4 miles from daps site
1737	Lightning within 2 mi
1739	Multiple CG strikes within 0.5 mi to the N/W

1830

End of Ops Declared. Teardown initiated.