

# MIPS Logbook

<b>IOP #</b>	IOP 5
<b>Crew Members</b>	Preston/ Nick P
<b>Arrival Time/Date (UTC)</b>	2023/04/05 1040Z
<b>Latitude</b>	35.799629
<b>Longitude</b>	-91.140336
<b>Heading</b>	93
<b>Elevation (m)</b>	75
<b>Fully Operational Time/Date (UTC)</b> *List any non-operational equipment below*	2023/04/05 1115Z
<b>Departure Time/Date (UTC)</b>	1845

## Observations, Equipment Issues, Notes, etc.

Time (UTC)	Observations/Notes
1105Z	Sounding Launched
1040Z	At site. Site is an old state road off of the main road. Backed in facing 93 deg. Ground clutter targets surround the site, but confident that the profiler will filter them out.
1141Z	Ground clutter targets up to the first 45 gates in 915 spectra. Wind data look good, though.
1215	Compass on anemometer was corrected. It was oriented ~55 deg off
1218	Sounding laptop swap from sonde2 to sonde5.
1230	Sounding launched.
1238	T: 23.71 RH: 74.9 % Wind Speed: 8.95 m/s Wdir: 144.95

	Press: 999.72
1340	Sc clouds have been present, but sun is breaking through. Warm nose had eroded from 11Z to 1230Z sounding
1402	Sounding launched. Sun still peaking through
1438	T: 23.84 RH: 75.6 % Wspd: 7.07 Wdir: 135.21 Press: 1000.56
15Z	Sounding launched. Sc clouds have thickened
1536	Low-level winds have veered according to 915 and sfc data
1537	Rain started
1541	Tower lowered due to close proximity lightning
1606	Main line over site
1610	Pressure 2.5 mb over last 15 minutes. Pressure dropping again
1626	Now in stratiform
1636	Rain has nearly ceased. T: 17.3 RH: 100% Wspd: 5.85 Wdir: 149.41
1730	Cold pool sounding launched
1752	Rear inflow jet present in 915 data
1818	End of ops has been declared by PERiLS PIs.
1830	End of ops for MAPNet

