

MoDLS Logbook

IOP #	1
Crew Members	Matthew Starke, Liz Seiler, Brendan Lee
Arrival Time/Date (UTC)	2023 Feb 16 1335Z
Latitude (deg)	32.8334
Longitude (deg)	-88.143
Heading	55
Elevation (m)	26
Fully Operational Time/Date (UTC) *List any non-operational equipment below*	2023 Feb 16 1356Z
Departure Time/Date (UTC)	2023 Feb 17 ~0135Z

Lidar Scan Strategies, Sounding Types & Balloon Launch Times, Observations, Equipment Issues, Notes, etc.

Time (UTC)	Observations/Notes
1350	Surface station was hesitant to connect again, restarted LoggerNet a few minutes later then it worked fine ^MS
1401	Sounding launched ^MS
1409	Lidar VAD frequency changed from 3 minutes to 5 minutes (both built-in and userfile) ^MS
1430	Sounding terminated due to lost signal. Windsond incorrectly recorded initial elevation as ~900 m MSL ^MS
1442	SASSI has been running - however, the menu is not fully visible at low screen resolution. ^MS
1443	88D data doesn't show up in SASSI either ^MS
1520	Just spoke to Dwight Thrasher, Conservation Enforcement Officer ^MS

1552	Preparing sounding ^MS
1553	Lost a balloon before it was tied ^MS
1600	Sounding launched ^MS
1604	Sonde descending ^MS
1615	Sounding terminated due to lost signal caused by descent ^BL
1623	Next coordinated sounding is 1630Z; MoDLS will not be launching. 90-minute frequency was not timely communicated. MoDLS will launch next at 1800. ^MS
1628	Drizzle begins. A lot of small showers from Meridian, MS through Cullman, AL ^MS
1630	Drizzle ends ^MS
1642	Notable breaks in the clouds. Tower T has unsteadily risen 0.5C in the last 10 minutes ^MS
1707	Not as many breaks in the clouds lately ^MS
1755	Preparing sounding ^MS
1800	Sounding launched ^LS
1812	Sonde started descending, sounding terminated ^BL
1839	Light rain begins ^MS
1900	Sounding launched, rain stopped ^MS
1904	Sonde started descending, sounding terminated ^BL
1910	Light rain begins ^MS
1928	Faint thunder heard in distance, rain increased slightly in intensity ^LS
1948	Lightning visible ^MS
1956	Something stuttered and clicked in MoDLS - UPS, I think ^MS
2012	Sounding launched in precip ^BL
2016	Another balloon popped. Uncertain cause - pretty sure it did not bump the van. (post: the balloon ruptured well past the neck, with a circumferential tear. The nozzle probably did not rupture the balloon

	either.) ^MS
2030	Sounding terminated, lost radio link. ^BL
2037	Two erroneous Ts have appeared now ^MS
2039	Primary trackpad acting very poorly now ^MS
2045	Lightning visible - tower lowered ^MS
2053	Moderate rain, some thunder ^MS
2103	Heavy rain, lightning within 0.5 miles ^MS
2107	Moderate rain ^MS
2137	Reconnecting the keyboard to the white box fixed the trackpad issues ^MS
2205	Sounding launched. Lost another full balloon which popped less cleanly - there is a chance it bumped something. ^MS
2224	Sounding terminated. ^BL
2258	Sounding Launched. ^BL
2312	Sounding terminated ^BL
0030	Sounding launched in precip ^LS
0045	Sounding terminated ^LS
0120	Tearing down ^MS