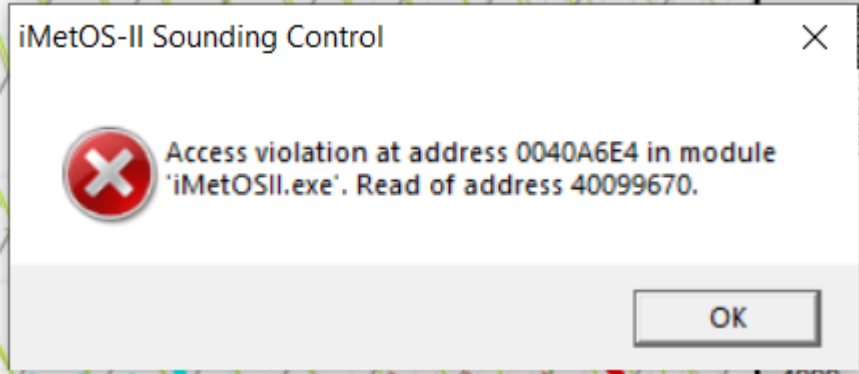


RaDAPS Logbook

IOP #	4
Crew Members	Matthew Starke, Preston Pangle, Nick Perlaky
Arrival Time/Date (UTC)	2022 Apr 13 1430Z
Latitude	36.403747020668064
Longitude	-90.116078102094
Heading	270
Elevation (m)	86
Fully Operational Time/Date (UTC) *List any non-operational equipment below*	2022 Apr 13 1445Z
Departure Time/Date (UTC)	2022 Apr 13 2145Z

Observations, Equipment Issues, Notes, etc.

Time (UTC)	Observations/Notes
1409	RaDAPS on initial site
1422	RaDAPS on new site after searching
1441	RaDAPS Operational (w/o Parsivel and MRR)
1501	RaDAPS 915 turned off
1503	iMet #1 Launched
1506	RaDAPS 915 back on
1525	Parsivel started
	SFC: 69.4F 72.6% 995.5mb 6.5m/s 196deg
1542	SASSI operational
1559	iMet #2 launched

1617	<p style="text-align: center;">iMet crash</p> <p>Upon trying to go from Graphs to Data, this error appeared - display did not actually switch to Data tab</p> <p>Happened each time switching between the two, although Data never appeared</p> <p>The final crash happened when going from Winds to Skew-T - freeze with no error</p> 
1700	iMet #3 launched (Nick dropped this sonde on the ground and it was not extreme) (well <i>somebody</i> zip tied the parachute line and tangled the dereeler :/)
~1720	iMet crash again - memory access violation again, but different (I think) from the one at 1617Z. Forgot to post the error before restarting.
1730	Restart sonde3
1755	99 Van p sensor not looking good - 5 mb too high compared to sonde and RaDAPS
1800	iMet #4 launched (extreme)
1803	SFC: 69.8F 68.9% 994.5mb 5.5m/s 189deg
1824	OVC with cirrus, some mid level Cu bands
1835	TOR watch issued for Piggott
1853	Thunder heard
1854	Surface wind way down bc of approaching line. Very dark in distance
1857	iMet #5 Launched
1858	CG observed
1906	Lost contact with sonde / sonde dead?

1909	Rain begins, lightning at ~4 flashes/min
1910	MRR started
1917	Heavy rain, vis ~1 mi
1920	More cells on the way, including a secondary linear structure now near Jonesboro
1925	KMEG SVR #64 (70mph / quarter) issued ~20 km to SE
1931	Second linear feature moving over now
1940	Jonesboro linear feature is beginning to bow. KMEG SVR #65 just issued for it (70 mph / quarter). Multiple distinct shear zones. SVR does not include Piggott.
1943	KMEG TOR #31 issued for center of that feature.
1948	Sounding terminated
1951	KMEG TOR #32 issued for south end of LEWP (1940Z feature)
1955	Far northern end of LEWP about to close in on Piggott
2002	Heavy rain - LEWP passing
2005	KPAH SVR #42 (60 mph / quarter) issued 12.4 km east of Piggott
2007	KMEG TOR #33 issued for center of LEWP, directly targeting Hyati
2008	KPAH TOR #14 issued coinciding with much of SVR #42
2009	Restarted SASSI (appeared to be functional immediately)
2015	This LEWP appears to be the main event
2016	Wind picking back up - gusts to 12 m/s from 99 van
2017	This gust front is actually broken in reflectivity at RaDAPS
2023	Heavy rain, wind shift to NW?
2057	iMet #6 launched
2112	Lost contact / sonde dead
2125	RaDAPS beginning shutdown (Thanks, RaDAPS crew!)
2127	Sounding terminated

2134	99 van sfc down
~2145	Depart