

RaDAPS Logbook

IOP #	IOP2
Crew Members	Joshua Huggins, Clara Hochmuth, Katie Cassano
Arrival Time/Date (UTC)	2023-03-03 0010Z
Latitude	34.21916
Longitude	-90.95392
Heading	253
Elevation (m)	49
Fully Operational Time/Date (UTC) <small>*List any non-operational equipment below*</small>	2023-03-03 0040Z
Departure Time/Date (UTC)	2023-03-03 1215Z

Observations, Equipment Issues, Notes, etc.

Time (UTC)	Notes
0010	Radaps and 99 van arrive onsite and began setup
0040	Radaps fully operational - 99 van prepping sounding. SASSI on
0052	Sfc: 65.6 F, Winds 2.7 m/s at 170, high clouds, light precip
0109	<u>Sounding Launched (1)</u>
0144	Radiometer operational after identifying loose cable
0157	Sfc: 66.0 F, Winds 4 m/s at 170 deg
0210	Sfc tower lowered and adjusted due to erroneous North
0211	Sfc tower re-raised

0213	Birch temporarily stopped to adjust for erroneous heading
0215	Birch restarted for 915 data
0222	Balloon being prepped for 0230Z launch
0238	<u>Balloon Sounding ended in powerlines due to failure to watch time</u>
0245	Birch re-plotting 915 wind data
0248	<u>Sounding Launched (3)</u>
0301	Sounding terminated due to sonde still in the powerline. Switching to 402 for subsequent soundings and holding launch until 04Z
0333	Sfc: 66.7 F, winds ~7 m/s at 121 deg
0358	<u>Sounding Launched (4) - sfc winds ~6 m/s</u>
0436	Access to the church regranted
0503	<u>Sounding Launched (5)</u>
0515	Sfc: 66.9 F, winds ~9 m/s at 130
0558	<u>Sounding Launched (6)</u>
0622	Power dip - alarm reset
0640	Sfc: 67.4 F, winds ~8 m/s at 140
0700	<u>Sounding Launched (7)</u>
0813	<u>Sounding Launched (8) slightly delayed due to bad sonde</u>
0819	Sfc tower lowered due to presence of lightning
0822	Power dip and alarm turned off but chords untouched due to presence of convection
0910	<u>Sounding Launched (9) in moderate stratiform but lost shortly after. No relaunch</u>
1009	Sfc: 66.5 F, winds 2 m/s at 200 deg
1058	End of Ops. Beginning Teardown
1215	Departure from site to the hotel
1319	Arrival to Hotel in Helena-West Helena

