

# RaDAPS Logbook

<b>IOP #</b>	PERiLS IOP-2
<b>Crew Members</b>	Preston, Nick, Clara, Sydney
<b>Arrival Time/Date (UTC)</b>	1430
<b>Latitude</b>	33.595558
<b>Longitude</b>	-88.987904
<b>Heading</b>	155
<b>Elevation (m)</b>	87
<b>Fully Operational Time/Date (UTC)</b> *List any non-operational equipment below*	1514
<b>Departure Time/Date (UTC)</b>	0214

## Observations, Equipment Issues, Notes, etc.

Time (UTC)	Observations/Notes
1430	RaDAPS & 99 Van on site
1455	RaDAPS Operational (sans MRR & disdrometer until precip)
1500	99 Van anemometer cable issue
1503	RaDAPS iMet #1 @ 403 MHz
1514	Began saving 915 AMom files - now fully operational
1517	99 Van sfc operational
1520	iMet #1 terminated @ 700mb. Changed iMet software to NOT automatically terminate
1609	RaDAPS iMet #2 launched
1642	915 went into standby mode for an unknown reason at 1600. Resumption of ops at 1637

1700	RaDAPS iMet #3 launched
1717	Temp: 76.6 F RH: 54.3% Wind Speed: 1.2 m/s Wind direction: 174 deg Press: 995.1hPa Sky: mostly cloudy
1745	iMet antenna moved away from van & generator Large improvement in data decoding ability
1800	RaDAPS iMet #4 launched
1904	RaDAPS iMet #5 launched
1906	Rain began, parsivel started
1914	Rain end
1915	Temp: 76.6 F RH: 54.8 Wind Speed: 1.7 m/s Wind dir: 170 dg Pressure: 991.1 mb Sky: cloudy0
2015	RaDAPS iMet #6 launched
2105	RaDAPS iMet #7 launched
2201	RaDAPS iMet #8 launched
2205	FFD observed
2240	Thunder heard
2243	pre-qlcs stratiform precip observed
2247	RaDAPS iMet #9 launched in between stratiform and main convection
2249	MRR powered on
2255	Switched to vert only mode
2313	Approx time of convection arrival
2345	Convection passed, sitting in trailing stratiform

2346	915 back to 7 beam
2348	Birch stopped
2359	Birch restarted, <b>hpa has short in pwr cable</b>
0133	End of ops, tearing down
0214	Departed