

# RaDAPS Logbook

|   |                                  |
|---|----------------------------------|
| <b>IOP #</b>  | 3                                |
| <b>Crew Members</b>   | Joshua, Meredith, Sydney         |
| <b>Arrival Time/Date (UTC)</b>  | 2023/03/24 1635                  |
| <b>Latitude</b>   | 33.29846                         |
| <b>Longitude</b>  | 90.904305                        |
| <b>Heading</b>  | 358                              |
| <b>Elevation (m)</b>  | 36                               |
| <b>Fully Operational Time/Date (UTC)</b><br><small>*List any non-operational equipment below*</small> | 2023/03/24 1714                  |
| <b>Departure Time/Date (UTC)</b>  | <b>Estimated</b> 2023/03/25 0245 |

## Observations, Equipment Issues, Notes, etc.

| Time (UTC)  | Notes   |
|-------------|---|
| <b>1635</b> | RaDAPS and 99 van arrived on site   |
| <b>1707</b> | <u>Sounding Launched (1)</u>  |
| <b>1714</b> | RaDAPS fully operational (Replace battery alert on UPS). Gravel road looks well   |
| <b>1808</b> | Sfc: 80.6 F, winds 11 m/s at 195  |
| <b>1823</b> | <u>Sounding Launched (2). Winds gusting to near 15 m/s</u>  |
| <b>2005</b> | <u>Sounding Launched (3)</u>  |
| <b>2032</b> | Sfc: T 79.3 F, winds 10 m/s at 184  |
| <b>2112</b> | <u>Sounding Launched (4). Delayed due to antenna issue (sudden disconnection). Td 2C too low. Switching to radaps tower</u> |

|             |  |
|-------------|--|
| <b>2119</b> | Sfc: 81.6 F, winds 14 m/s at 170   |
| <b>2205</b> | <u>Sounding Launched (5). Delayed due to antenna issue. Tower measurements used from daps</u>  |
| <b>2210</b> | SMV added to hodograph plots. 230 deg at 35 kts  |
| <b>2217</b> | Sfc: 80.9 F, winds 8 m/s at 170  |
| <b>2300</b> | <u>Sounding Launched (6). Helium tank switched over</u>  |
| <b>2306</b> | Sfc: 80.2 F - onset of clouds and raindrops  |
| <b>2313</b> | SMV updated per SPC: 230 deg at 50 kts   |
| <b>2329</b> | Sfc T of 77.5 and RH increase to 58% from 48%  |
| <b>2333</b> | Lightning visible, tower lowered   |
| <b>0000</b> | Sounding aborted due to issues with the antenna. Will attempt a relaunch in between convection |
| <b>0009</b> | 19 m/s wind gust observed with tower down  |
| <b>0033</b> | <u>Sounding Launched (7) between convection</u>  |
| <b>0100</b> | Sfc: 74.4 F with precip and overcast skies. Winds 10 m/s sustained 200 degrees                 |
| <b>0105</b> | Wind shift from ESE to WSW (170 to 195 deg)  |
| <b>0115</b> | Gust to 19.6 m/s with tower down   |
| <b>0135</b> | <u>Sounding launched (8) in between convective lines</u>                                       |
| <b>0151</b> | <u>Onset of final line approaching Daps site. Winds shifted to near 230 deg</u>                |
| <b>0217</b> | <u>RaDAPS teardown initiated: Est departure will be 0245 following convection</u>              |