MAX Logbook

IOP #	2
Crew Members	Zeb and Melissa
Arrival Time/Date (UTC)	2345 UTC on 02-03-2023
Latitude	34.62544
Longitude	-90.90049
Heading	270 deg
Cab Blanking	n/a
Elevation (m)	58 meters
Fully Operational Time/Date (UTC) *List any non-operational equipment below*	0025 UTC on 03-03-2023
Departure Time/Date (UTC)	1200 UTC 03-03-2023

Scan Strategies, Observations, Equipment Issues, Notes, etc.

Time (UTC)	Observations/Notes
2345	MAX Arrived on Site
0025	MAX Fully Operational
0026	Adjusting scan strategies for Clear-Air/BL scans
0102	Temp: 18.3 C; DP: 16.9 C; WS: 5.0 m/s; WD: 125 deg
	Cloud Cover: OVC
0123	Scan Strategy Information: CLEAR AIR BL STRATEGY **conduct until significant deep convection is within 60 km**
	Set scan speed=20 deg/sec Actual scan speed = 18 deg/sec Pulse length = 0.8 microseconds Total time: 2:53 minutes (goal was 3 minutes but good enough)

	MoDLS RHI: 144 deg (true north) MIPS RHI: 265 deg (true north)
0200	Temp: 18.0 C; DP: 16.8 C; WS: 5.0 m/s; WD: 90 deg
	Cloud Cover: Cloudy
0300	Temp: 18.3 C; DP: 16.7 C; WS: 5.6 m/s; WD: 115 deg
	Cloud Cover: Cloudy
0343	Mod/Heavy precip begins
	Temp dropped to 17.8 C Td: 16.8 C
0410	Temp: 18.5 C; DP: 16.8 C; WS: 8.9 m/s; WD: 140 deg
	Cloud Cover: OVC
0502	Temp: 18.8 C; DP: 16.4 C; WS: 7.5 m/s; WD: 140 deg
	Cloud Cover: OVC
0513	Winds picked up to around 9 m/s
0544	Winds up to 11 m/s
0600	Temp: 19.0 C; DP: 16.5 C; WS: 7.0 m/s; WD: 140 deg
	Cloud Cover: OVC
0606	Wind gust of 13 m/s
0700	Temp: 19.6 C; DP: 17.1 C; WS: 10 m/s; WD: 150 deg
	Cloud Cover: OVC
0719	Wind shift \rightarrow 170 deg Winds gusting to 14 m/s
0735	Began rapid cycle scans Pulse length: 0.4 microseconds Shallow: 0.7, 1.5, 2.6 3.8, 5 Deep: 0.7, 1.5, 2.6, 6, 9

	Shallow Deep
0741	Lowering of tower. Lightning ahead of main line. Taking precaution.
0751	Began scanning again
0800	**TOWER LOWERED* Temp: 19.7 C; DP: 17.3 C; WS: 7 m/s; WD: 165 deg
	Cloud Cover: OVC, rainy, lighting/thunder Convection approaching; tornado warnings off to our west and southwest
0836	Heavy rain begins
0900	**TOWER LOWERED** Temp: 19.2 C; DP: 17.8 C; WS: 6.0 m/s; WD: 165 deg
	Cloud Cover: OVC, heavy rain, thunder/lightning
0903	Very heavy rain, wind
1000	**TOWER LOWERED** Temp: 18.8 C; DP: 18.2 C; WS: 3.0 m/s; WD: 230 deg
	Cloud Cover: OVC, rainy, windy
1103	End of operations
1145	MAX Tearing Down
1200	MAX Departing Site