

Doppler Wind Lidar Scientist

Flight ID 20180821H1

Storm MHLane (C. Pac)

DWL Scientist Kelly

Start Time	Stop Time	Pattern or Az/EI	Notes
1004	1042	DNZ UP1	pulled up microwave: looks like some meats have appeared → we will target those w/ downwind legs!
			testing diff elevations for signal
		} elev. angle } string signal } any return?	-90 -85 -80 -75 -70 -65 -60 -55
			Y Y Y N N N N N Y Y Y Y N N N N
1149		DN20 nadir 5°	10 min to IP
1214			in some heavier rain now
1254			meat region between band 1 (not eye wall) and band 2 (along downwind leg)
103			turn to stay in meat
114			2 nd pass
122			stratiform rain here
151			down wind; spotty cells

- 220 ^{SW} error, see picture
- 229 ————— stop recording for SFMR circles
- 251 back into eye → drifted a bit
- 301 center
- 301 start gravity wave module - outbound
- 320 inbound
- 342 outbound out to 160 nmi
- 420 end gravity wave mod

420 - stop recording

* NOTE : NOAA is unable to receive files
because gateway is down.

430 stop recording ; sorry no more lidar today

↓

082755 UTC : vibration is here again!
we are investigating ; possible issue with
propeller speed