

Doppler Wind Lidar Scientist

17
20

Flight ID 20180820H2

Storm LANE

DWL Scientist Bucci

Start Time	Stop Time	Pattern or Az/EI	Notes
0845	0907	up 20 - 01	Test transmission and signal @ HNL
1025	1035	dn 20 - 01	down scan for take off off: 400m Pulse: 500 block: 7000
1047	1223	dn 20 - 01	Altitude g: 6155m offset: 3000m Pulse: 500 g spd: 331 kts block: 7000 mostly clear
1224	1240	dn 20 - 01	~15 minutes offset too high (descended to release BT) Alt: 2500m offset: 2400m block: 7000
1241	~1447	2dn 20 - 1up 20	- increased convection - several course corrections to - Past IP by 10 minutes hit center
			- lots of stratiform rain inbound - not much signal in the up LOS shots
			- heavy clouds in center → maneuvers to track center 1415 - heavy stratiform
~1447	1630	dn 20 - 01	EI angles 70-80° have no signal
			16:20: 15° circles for SFMR 16:22: 45° circles
1641	1655	dn 20 - 01	Alt: 2900 m g spd: 310 kts
1656	1657	dn 20 - 01	Alt: 5680 m offset: 2000 m
1658	1802	dn 20 - 01	offset: 3000 m reset laptop executable ↳ began transferring