

OU-PRIME SCANNING FOR MC3E

	SCAN 1	SCAN 2
	ISOLATED PRECIP, A/C	WIDESPREAD PRECIP, AC
Mode	Sector PPI	RHI Series
Azimuthal scan rate	6° / sec	6° / sec
Azimuthal spacing	0.5°	0.5°-elevation stepping
Integrating pulses	32	32
PRF	1180 Hz	1180 Hz
Max height of Interest (km)	15 km	
Sector Size	90°	~ 60 tilts
Minimum range for topping (km)	30 km	
“Back Wall” range (km)	75 km	
Vertical resolution at “back wall”	1.0 km	
Number of Angles	28	3 azimuths
Highest Elevation angle	25.4°	30°
Time	~8:20	~2:50 minutes
Notes	0.5 1.3 2.0 2.8 3.5 4.3 5.1 5.8 6.6 7.4 8.1 8.9 9.6 10.4 11.1 11.9 12.7 13.5 14.4 15.3 16.3 17.4 18.6 19.8 21.1 22.4 23.9 25.4	Follow aircraft radial. Center azimuth on aircraft radial, then 1° azimuth CW and CCW from that central azimuth
	Repeat every 10 minutes with additional RHIs (preferably over KFFL, 2DVD, or aircraft location) as time allows	MC3E Mission scientists and aircraft coordinate with OU-PRIME operator to determine the azimuths.