

Table 1. Scan strategies of the research radars.

Radar	Type Scan	# Sweeps	Elevation Angles (deg.)	Az Covered	Sampling Interval	# Gates	Gate Size	Gate Spacing	Range
Mt Lema	PPI	20	-0.3,1.5, 3.5, 5.5, 7.5, 9.5, 13.0, 18.3, 25.3, 34.5, 0.5, 2.5, 4.5, 6.5, 8.5, 11.0, 15.5, 21.6, 29.6, 40.0	0-360°	5 min	230 (130)	1000m	1000 m	230 (130) km
RONSARD	A	20	0.62, 1.23, 1.85, 2.46, 3.08, 3.69, 4.31, 4.92, 5.54, 6.15, 6.77, 7.38, 8.35, 9.67, 11.43, 13.89, 17.75, 24.35, 37.71, 69.43	0-360°	9 min	512	100 m	100 m	51.2 km
	B	20	Same as A	21.5°-201.5° (clockwise)	5 min	512	100 m	100 m	51.2 km
	C	20	Same as A	201.5°-21.5° (clockwise)	5 min	512	100 m	100 m	51.2 km
	*highest priority	D	Same as A	0-360°	9 min	512	100 m	200 m	102.4 km
		E	Same as A	21.5°-201.5° (clockwise)	5 min	512	100 m	200 m	102.4 km
		F	Same as A	201.5°-21.5° (clockwise)	5 min	512	100 m	200 m	102.4 km
		G	Same as A	0-360°	9 min	512	200 m	200 m	102.4 km
	H	20	Same as A	21.5°-201.5° (clockwise)	5 min	512	200 m	200 m	102.4 km
	I	20	Same as A	201.5°-21.5° (clockwise)	5 min	512	200 m	200 m	102.4 km
	J	4	0.62, 1.23, 1.85, 2.46	0-360°	2 min	512	200 m	400 m	204.8 km
	K	4	Same as J	21.5°-201.5° (clockwise)	1 min	512	200 m	400 m	204.8 km
	L	4	Same as J	201.5°-21.5° (clockwise)	1 min	512	200 m	400 m	204.8 km

Table 1. continued.

Radar	Scan Type	# Sweeps	Elevation Angles (deg.)	Az Covered	Sampling Interval	# Gates	Gate Size	Dates In Field	Range
SPOL	Surv (nothing of interest in W lobe)	12 (PPI)	0.6, 1.4, 2.2, 3.0, 3.8, 4.6, 5.4, 6.2, 7.0, 7.8, 8.6, 9.4	0-360°	10 min	1000	150 m	7 Sept - 8 Nov	0-150 km
	Interesting activity in W. lobe; echo tops < 8 km	15 (PPI)	0.6, 1.4, 2.2, 3.0, 3.8, 4.6, 5.4, 6.2, 7.1, 8.1, 9.3, 10.6, 12.1, 13.9, 15.8	120° (western lobe)	5 min	1000	150 m		0-150 km
		50 (RHI)	RHI's spaced ~ 2.5° apart	Same as above	5 min	1000	150 m		0-150 km
	Interesting activity in W. lobe; echo tops 8-10 km	17 (PPI)	0.6, 1.5, 2.4, 3.2, 4.1, 5.0, 5.8, 6.7, 7.6, 8.5, 9.6, 10.8, 12.1, 13.6, 15.3, 17.1, 19.3	120° (western lobe)	5 min	1000	150 m		0-150 km
		50 (RHI)	RHI's spaced ~ 2.5° apart	Same as above	5 min	1000	150 m		0-150 km
	Interesting activity in W. lobe; echo tops 10-12 km	19 (PPI)	0.6, 1.6, 2.6, 3.5, 4.5, 5.5, 6.5, 7.5, 8.4, 9.4, 10.5, 11.7, 13.0, 14.5, 16.2, 18.1, 20.1, 22.4, 24.0	120° (western lobe)	5 min	1000	150 m		0-150 km
		50 (RHI)	RHI's spaced ~ 2.5° apart	Same as above	5 min	1000	150 m		0-150 km
DOW		22 (PPI)	0.5, 1.5, 2.5, 4.0, 5.5, 7.0, 9.0, 11.0, 13.0, 15.5, 18.0, 21.0, 24.0, 28.0, 32.0, 37.0, 42.0, 48.0, 55.0, 63.0, 72.0, 82.0	0-360°	9 min.	250	30-150 m	7 Sept - 15 Nov	7.5-37.5 km
		≤20 (RHI)		0-360°	6 min.	250	30-150 m		7.5-37.5 km
ETH	Vert. Pt.	N/A	90°	N/A	30-60 s	150-300	50 m		7.5-15 km
KMRR	Vert. Pt.	N/A	90°	N/A					
OPRA	Vert. Pt.	N/A	90°	N/A				7 Sept - 8 Nov	

