C3VP 2007 IOP3 Case Summary

M/D	UTC	EVENT	AC OPS	AMSU-B OP	SONDE UTC	AMFR	KING RADAR
01/15	1230-1700	Synoptic	No	N15-1214; N17-1514, 1654	1130,1430,1700	PPI/RHI/VPT.	Yes
Rimed aggregates on site; freezing rain near King Radar							
01/19	1640-1830	Strong Band	No	N17-1522,1639	1200,1815	PPI/RHI/BRL	Yes
Large Aggregates; Stellars, branched crystals; dendrites; graupel-like snow							
01/19-20	2300-0130	Lake-Effect Bands	Yes	No	2217,0134	No	Yes (RHI @350° to cover AC)
Good AC microphysics in strong snow band that should be very similar to sampling at 1640-1830							
01/22	0200-0800	Synoptic	Yes	N17-0338;N18-0642,0823	0403, 0830	PPI/RHI/TS/VPT	Yes (CARERHI, Chandra TS)
Convair over CARE (spiral descent/ascent; radial stacked leg along King C-band RHI 331°). Stellar dendrites and aggregates of dendrites							
01/23	1830-2300	Pre-Frontal	No	N16-1952;N18-1800	2116	PPI/RHI	Yes (CARERHI)
Light snowfall, dendrites and aggregates							
01/24	1830-1930	Clouds	Yes	N16-1941; N18-1932	1745	PPI/RHI	Yes (CARERHI)
Few clouds, Convair flew but not over CARE							
01/26	0345-0430	Lake-Effect Bands	No	N17-0207,0347	None	PPI/RHI	Yes (CARERHI)
Ku wouldn't work due to cold. Scanned with Ka only. Very small ice crystals in snow. AMFR saw very little.							
01/26	2105-0000	Synoptic bands	Yes	N15-2234; N17-0144	2120, 2350	PPI/RHI	Yes (CARERHI)
Convair did spiral descent over CARE and stacked 251° radials; Ku worked but then dropped out just prior to AC arrival.							
01/27	2130-2345	Synoptic Low	No	N15-2210; N16-2047; N17-0301	2240, 0120	PPI/RHI	Yes (CARERHI)
AMFR computers died 2345, nice long snow band off Lake Huron hit site afterward							

Analysis Priority: Red- High ; Green- Moderate; Black- Lower