Plotting and Display Update

ARM Data Quality Office

2011 Atmospheric System Research
Science Team Meeting
March 29, 2011

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Generic Time Series Plotter

- In the past, the Data Quality (DQ) Office put forth a lot of time and effort towards writing code to produce plots for data analysis
- Generic plotting tools were developed to increase efficiency of plot generation
- Generic Plotters
  - Time Series
  - 2-Dimension Profiles
  - Planned Position Indicator(PPI) and Range Height Indicator (RHI)

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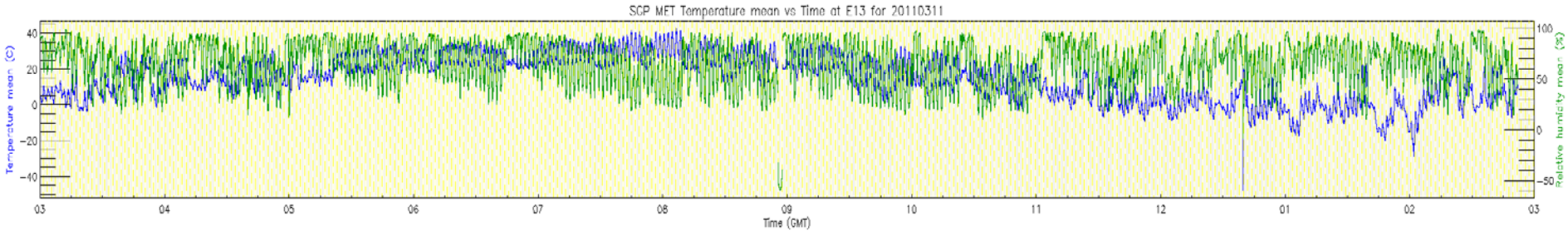
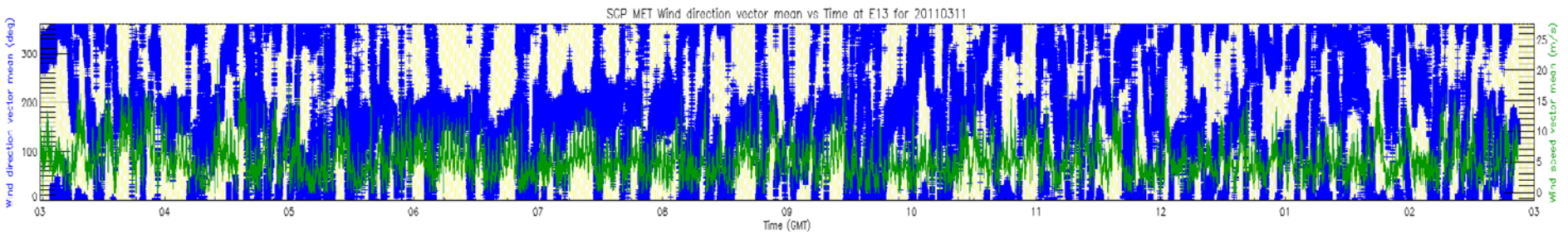
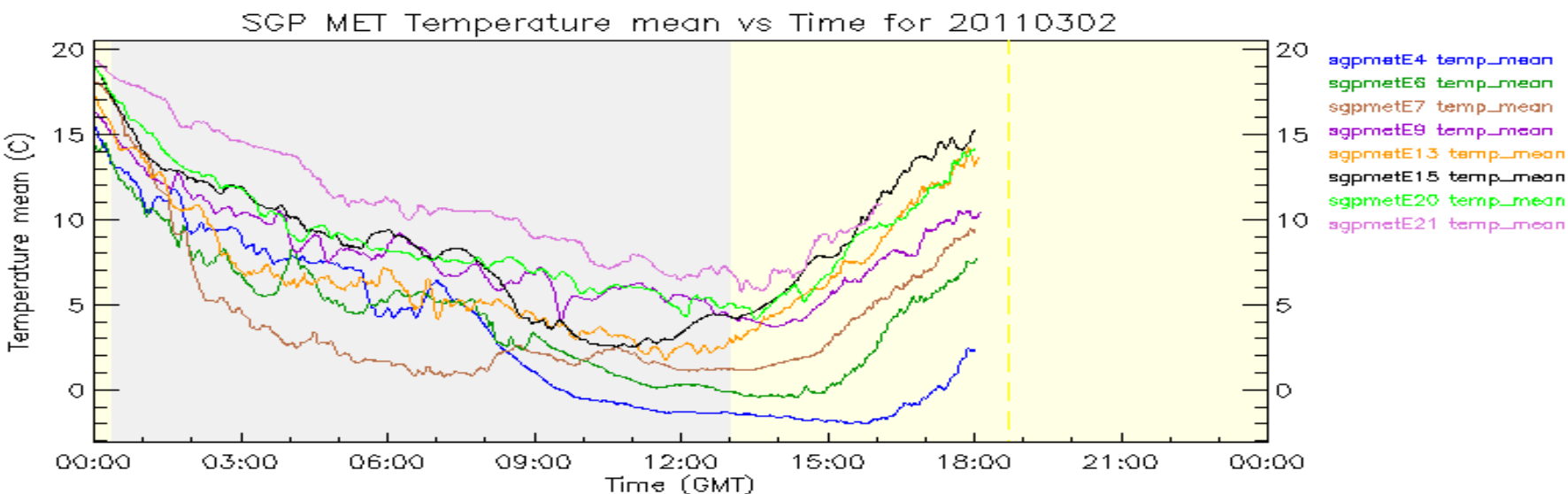
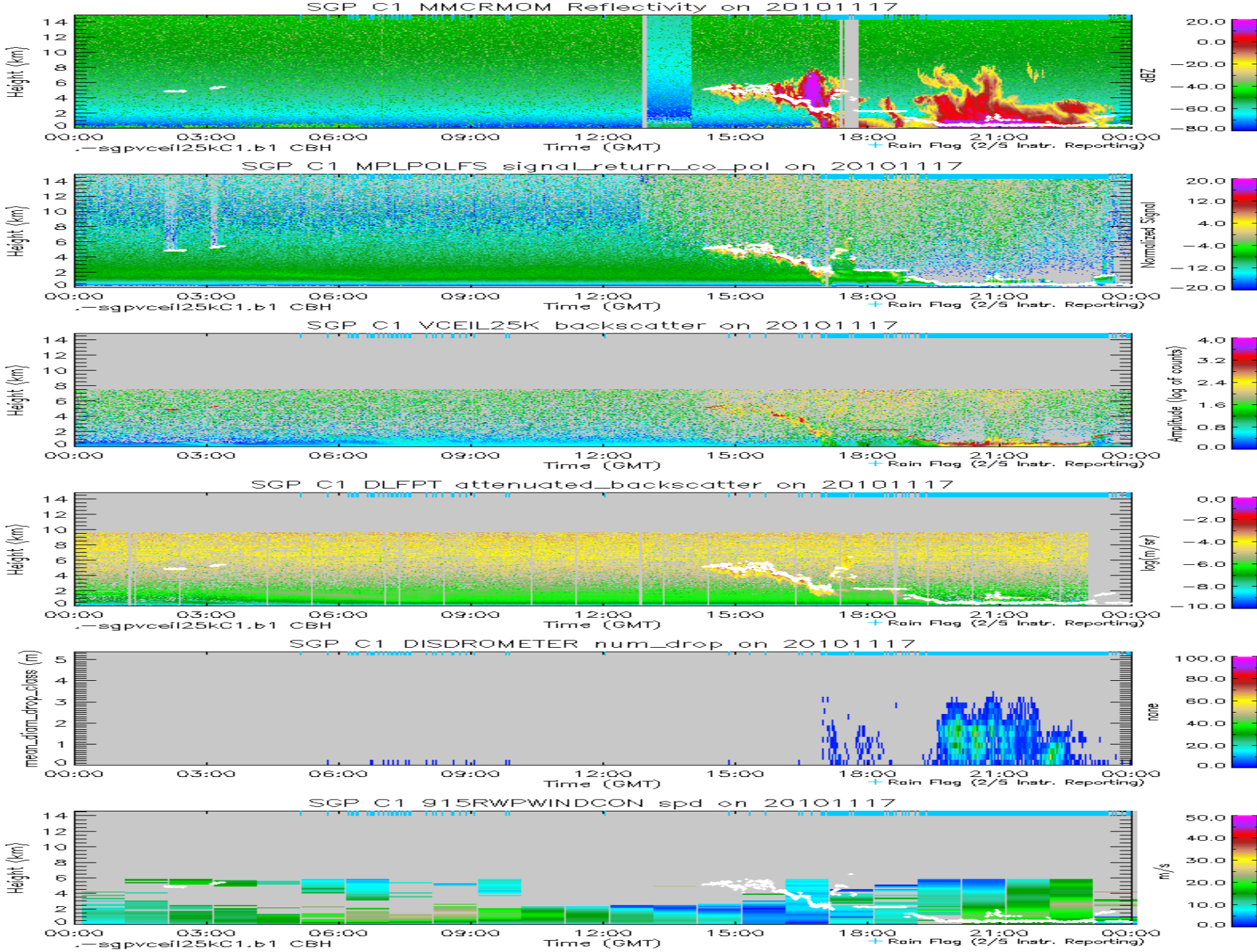
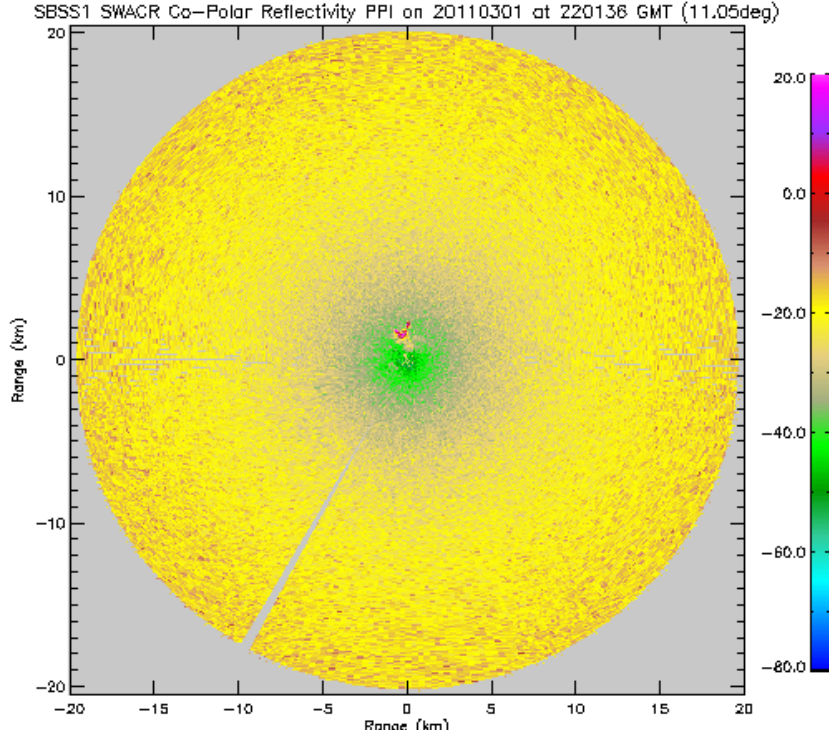
Generic Time Series Examples

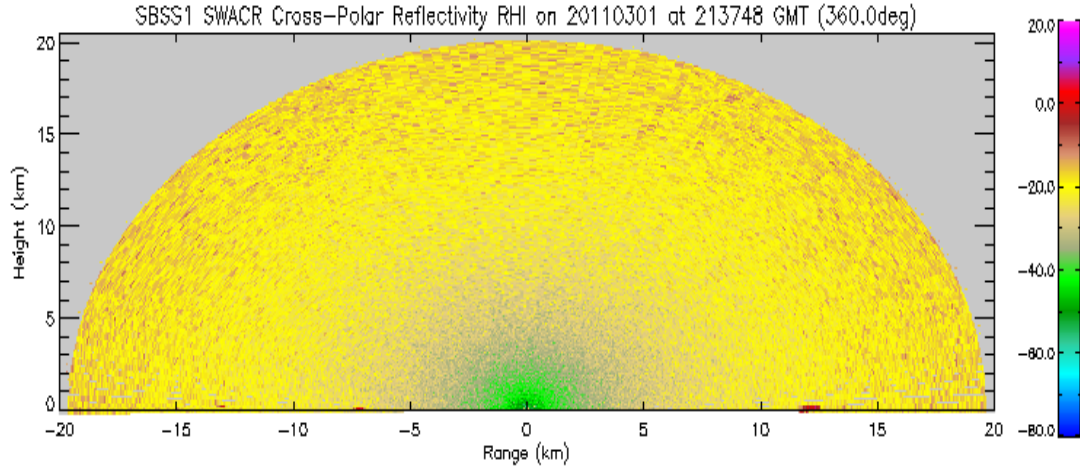


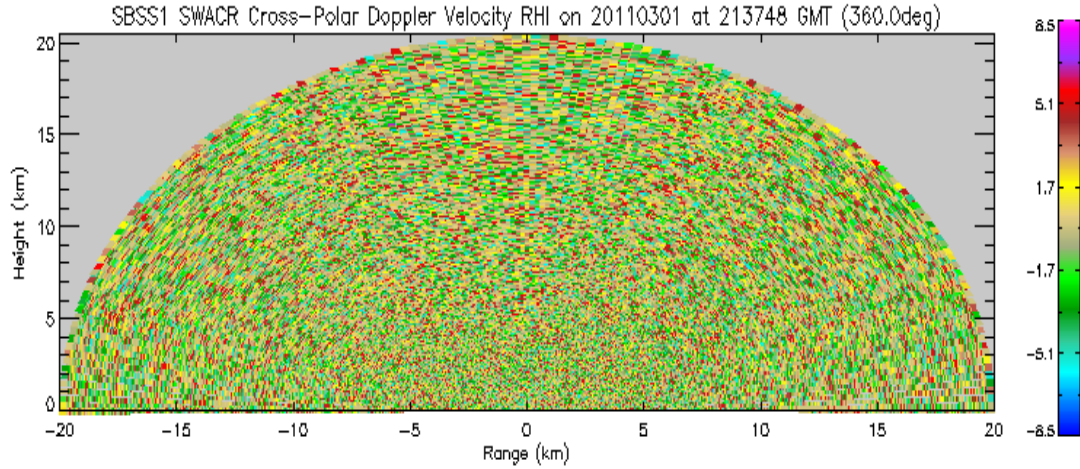


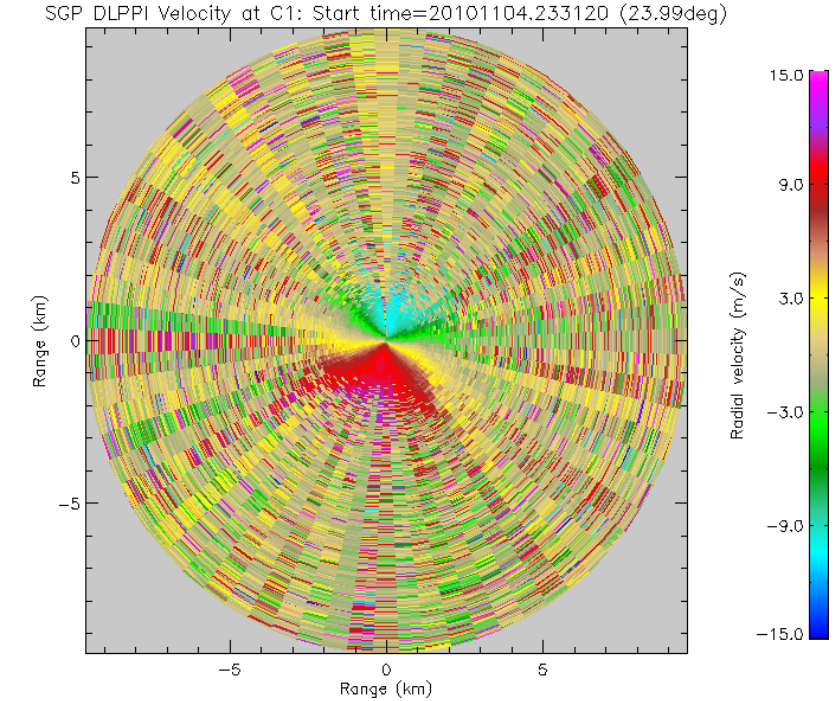


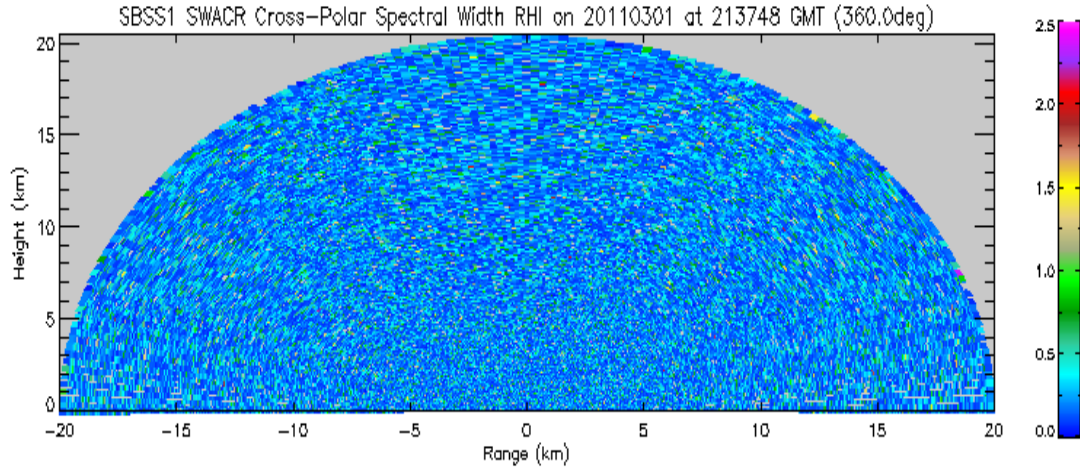

SGP C1 MMCRMOM Reflectivity on 20101117
Height (km)
dBZ
SGP C1 MPLPOLFS signal_return_co_pol on 20101117
Normalized Signal
SGP C1 VCEIL25K backscatter on 20101117
Amplitude (log of counts)
SGP C1 DLFPT attenuated_backscatter on 20101117
log(m/sr)
SGP C1 DISDROMETER num_drop on 20101117
mean_diam_drop_class (m)
none
SGP C1 915RWPWINDCON spd on 20101117
m/s
00:00 03:00 06:00 09:00 12:00 15:00 18:00 21:00 00:00
Time (GMT)
sgpvceil25kC1.b1 CBH
Rain Flag (2/5 Instr. Reporting)


SBSS1 SWACR Co-Polar Reflectivity PPI on 20110301 at 220136 GMT (11.05deg)
Range (km)
Range (km)


SBSS1 SWACR Cross-Polar Reflectivity RHI on 20110301 at 213748 GMT (360.0deg)
Height (km)
Range (km)


SBSS1 SWACR Cross-Polar Doppler Velocity RHI on 20110301 at 213748 GMT (360.0deg)
Height (km)
Range (km)


SGP DLPPI Velocity at C1: Start time=20101104.233120 (23.99deg)
Range (km)
Range (km)
Radial velocity (m/s)


SBSS1 SWACR Cross-Polar Spectral Width RHI on 20110301 at 213748 GMT (360.0deg)
Height (km)
Range (km)

Questions?

Any suggestions can be sent to

atheisen@ou.edu

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