NEXRAD
Radar Operations Center

Staggered PRT Update
for the
NEXRAD Technical Advisory Committee
8-9 March 2011
by
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SPRT Update

• SPRT is being implemented in three phases
  • Phase I: Enable SPRT transmission in the RPV8 and collect data - Complete
  • Phase II: Implement non-operational SPRT without clutter filtering - Complete
  • Phase III: Implement the SACHI clutter filter for SPRT, prepare for operational use (i.e., define VCP, DQ Team approval) - Overcome by dual pol; incomplete
SPRT Update

• New developments impacting SPRT
  • Dual pol Batch Cut processing anomaly
    • One or two initial high PRF pulses must be dropped for good CC values
    • Impacts on SPRT unknown and needs to be investigated
  • NSSL has since developed CLEAN-AP
    • Currently testing performance with SPRT via funding from the DQ MOU
    • Could this be a better option for SPRT?

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SPRT Update

- SPRT is currently targeted for Build 14
- Build 13 had only a few, very important changes
  - Clutter Mitigation Detection merged with dual pol
  - Hybrid Spectrum Width
  - Dual pol support
Thank You

Questions?