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Technical Implementation Notice 14-48  
National Weather Service Headquarters Washington DC  
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To:           Subscribers  
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From:         Terrance J. Clark  
              Acting Director, Radar Operations Center

Subject:    WSR-88D MESO-SAILS Field Test beginning May 2015

The Radar Operations Center is planning a field test of the Multiple Elevation Scan Option for SAILS (MESO-SAILS) function beginning in May 2015. The field test would continue for one year but could conclude early upon mutual agreement of the test sites and the Radar Operations Center. Less than 15 radar sites will be involved in the field test. Test sites will be announced at a later date.

The Supplemental Adaptive Intra-Volume Low-Level Scan (SAILS) function was deployed in Build 14.0 and allows for one additional low-level scan per volume (available in VCP 12 and 212 only). MESO-SAILS enables the operator to select either 1, 2 or 3 supplemental low-level, split-cut scans per volume (VCP 12 and 212 only). When the MESO-SAILS 3-scan option is active, 0.5 degree updates will be available, on average, every 75 to 90 seconds, depending on the Automated Volume Scan Evaluation and Termination (AVSET) angle.

More information on MESO-SAILS and sample datasets are available:

[www.roc.noaa.gov/WSR88D/NewRadarTechnology/NewTechDefault.aspx](http://www.roc.noaa.gov/WSR88D/NewRadarTechnology/NewTechDefault.aspx)

For questions or comments, please contact:

Jessica Schultz  
NWS Radar Focal Point  
Radar Operations Center  
[Jessica.A.Schultz@noaa.gov](mailto:Jessica.A.Schultz@noaa.gov)

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