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PNSWSH

Technical Implementation Notice 11-38 Amended
National Weather Service Headquarters Washington DC
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From: Richard J. Vogt, Director
 WSR-88D Radar Operations Center

Subject: Amended: NWS Field Test Using New WSR-88D in Grays Harbor County,
WA

Amended to extend the 1-year test of an additional scan angle less than
0.5 degree elevation angle on the WSR-88D in Grays Harbor County, WA,
(KLGX) for another year.

The NWS is planning to continue, for another year, the field test of an
additional scan angle less than 0.5 degree elevation (0.176 degree) on the
Weather Surveillance Radar-1988 Doppler (WSR-88D) in Grays Harbor County,
WA (KLGX). The purposes of extending the test are to continue to
determine the operational benefit(s) of having a lower scan angle and the
effectiveness of the Clutter Mitigation Decision (CMD) algorithm to
identify ground clutter. The test will begin November 1, 2012 (i.e., no
lapse in use of the lower scan angle). The software containing the new
CMD algorithm is scheduled to be loaded on KLGX between late January and
early February 2013.

Level III products will not include data from the lower scan angle. Thus,
the product formats and contents will not change during the field test.
Users will notice volume coverage pattern (VCP) durations increase by 30
to 150 seconds when the experimental additional lower scanning angle is in
use.

To support the real-time and post-analysis of the impacts of the lower
scan angle data, the Level II data stream will include the data from the
lower scan angle when in use. The Seattle Weather Forecast Office will be
able to turn the lower elevation scan on and off at their discretion.
Changes in Level II data when the additional test scan angle is being used
are as follows:

- Experimental VCP numbers will increase by two, i.e., VCP11 will be VCP13
- Lower scan data will be the first data in a Level II file
- Lower scan will be a Split Cut

If you have questions or comments, please contact:

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