

Water Vapor Sensing System, Version Two (WVSS-II)

Technical Publication References

February 22, 2012

The below listed technical publications provide an easy reference to the current body of externally published work regarding the Water Vapor Sensing System version two, WVSS-II, revision 3. Hyperlinks to the external location of the published work are provided for convenience; however these sites are not associated with or maintained by SpectraSensors.

If you would like to submit additional articles for this list or if any links fail to properly connect to the referenced publications, please notify Bryce Ford by e-mail, bford@spectrasensors.com.

WMO AMDAR Panel Website and Newsletter

<https://sites.google.com/a/wmo.int/amdar-news-and-events/>

WVSS-II Technical Publication References

2011

Baker, R.; Curtis, R.; Helms, D.; Homans, A.; Ford, B., 2011: [Studies of the Effectiveness of the Water Vapor Sensing System, WVSS-II, in Supporting Airline Operations and Improving Air Traffic Capacity](#); Second Aviation, Range and Aerospace Meteorology Special Symposium on Weather- Air Traffic Management Integration, AMS Annual Meeting, Jan 2011, Seattle, WA, USA.

Petersen, R., Crouce, L., Feltz, W., Olson, E., and Helms, D., 2011: [Validation studies of WVSS-II moisture observations](#); 15th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans and Land Surface (IOAS-AOLS), AMS Annual Meeting, Jan 2011, Seattle, WA, USA.

S. Kaufmann, C. Voigt, C. Mallaun, M. Wirth, A. Minikin, A. Friedrich, D. Schäuble, K. Gierens, H. Schlager, and U. Schumann, 2011: [Water vapour ANALyzer \(WARAN\): compact airborne hygrometer for the upper troposphere](#); Mar 2011, Dresden, Germany

2010

Petersen, R., Crouce, L., Feltz, W., Olson, E., and Helms, D., 2010; [WVSS-II MOISTURE OBSERVATIONS: A tool for validating and monitoring satellite moisture data](#), 2010 EUMETSAT Meteorological Satellite Conference, Sept 2010, Cordoba, Spain.

Helms, D., Hoff, A., Smit, H., Taylor, S. and Carlberg, S., 2010: [Advancements in the AMDAR Humidity Sensing](#), WMO Technical Conference on Meteorological and Environmental Instruments and Methods of Observations, TECO-2010 Session 2, Aug 2010, Helsinki, Finland.

Baker, R., 2010; [A Case of the Vapors: Reducing Fog Risk using Aircraft Water Sensors](#), Meteorological Technology International, June 2010.

2009

Hoff, A., 2009: [WVSS-II Assessment at the DWD](#), Deutscher Wetterdienst, Sept 2009.

Hoff, A., 2009: [The E-AMDAR Humidity Trial](#), Deutscher Wetterdienst, Oct 2009.

NOAA Sterling Test Facility: [Retest and Evaluation for the SpectraSensors Water Vapor Sensing System II \(WVSS-II\) Report](#), Oct 2009.