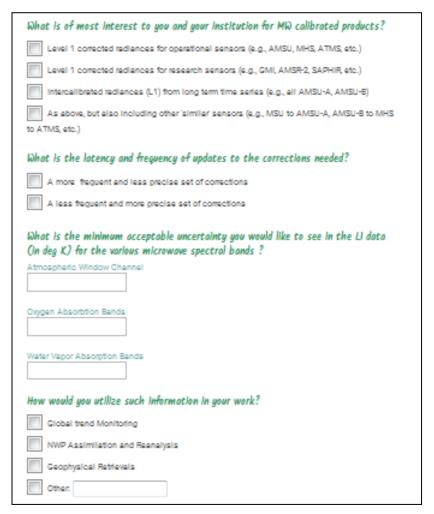


GSICS Microwave Subgroup

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2015 GSICS Microwave Survey



Real time use and/or climate use?

Latency vs. precision?

Different spectrum has different use and requirements

Potential application areas



Survey Summary

- Mapping time series of similar sensors but from vastly different heritage (e.g., SSMT2 to AMSU-B) together is of low priority (Q1)
- More precise, longer latency correction are preferred (Q2)
- It does appear most users would look at time series for global trends (most likely the O₂ & H₂O bands) and use to derive geophysical parameters (most likely window & H₂O bands) (Q3)
- The average desired accuracy of the corrections was on the order of 0.4 K (slightly less for the O₂ bands) (Q4)



MW Focus Topics for 2016 and Link to today's talks from User's

- Defining CLEAR PATH for GSICS MW products and algorithms
 - Methodologies (Zou)
 - SNO, Double difference, etc.
 - Reference Standards (Berg)
 - A particular sensor? Likely to be wavelength dependent (e.g., window, O₂, H₂0); A RTM?
 - LUT/Correction Tables (Forsythe, Huffman)
 - Near real-time and climate; they will be different