

***Evaluation of IASI and AIRS spectral radiances using
Simultaneous Nadir Overpasses***

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We present direct comparisons of high spectral resolution radiance observations from today's two advanced infrared sounders. Observations collected by the Atmospheric Infrared Sounder on the NASA Aqua platform and by the Infrared Atmospheric Sounding Interferometer on the METOP-A platform for Simultaneous Nadir Overpasses (SNOs) are intercompared and, with knowledge of the different characteristics of each sensor, are evaluated to assess the spectral and radiometric accuracy of each set of observations. Preliminary results show no significant trend in the results versus time and mean channel by channel differences typically less than 0.2K.

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