



GOES-R ABI Weighting Function Lab

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And Others

GOES-R O-CONUS
PG meeting
30-July-2010



STAR Center for Satellite
Applications and Research
formerly ORA — Office of Research and Applications

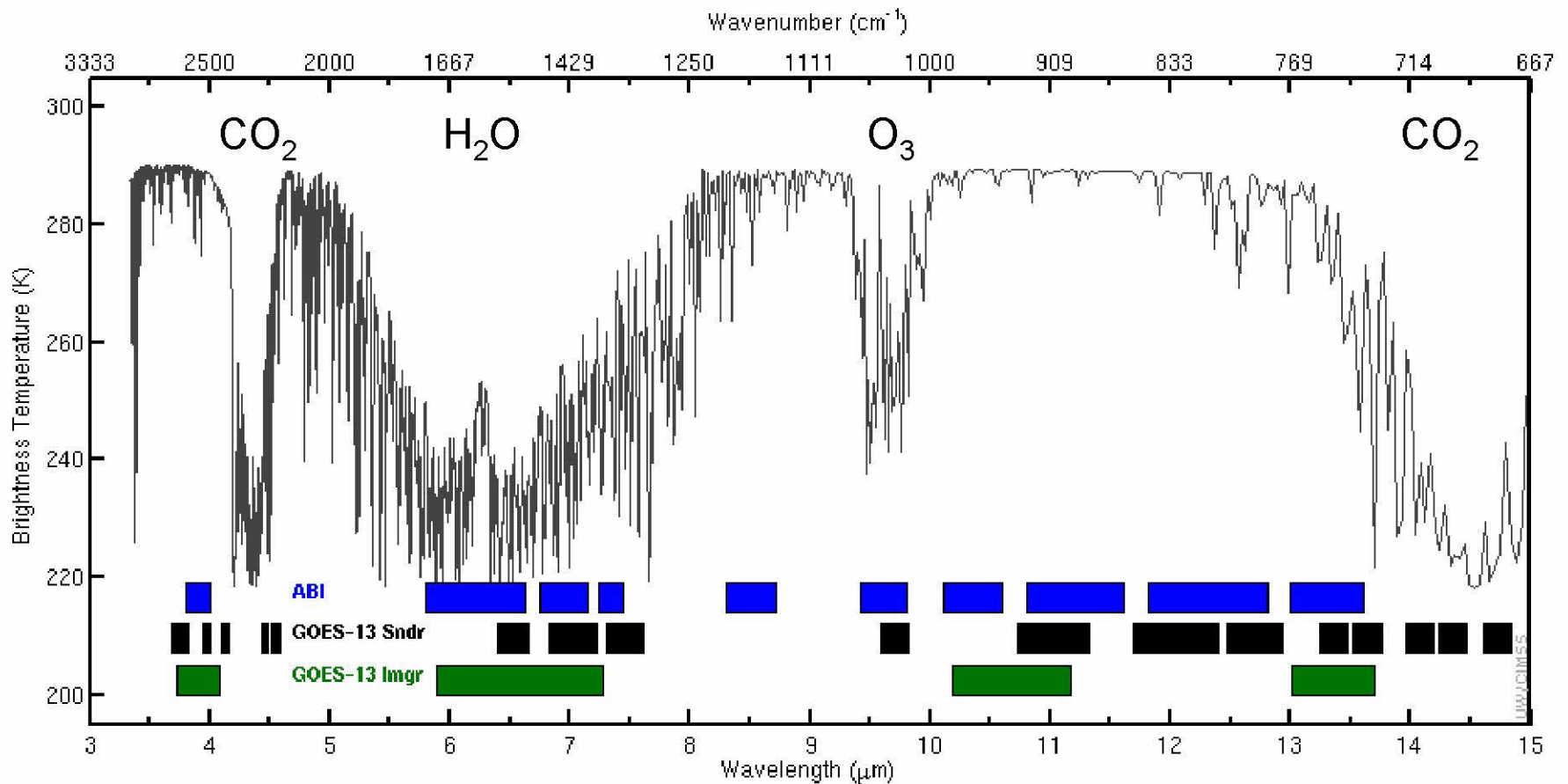


UW-Madison



ABI IR Bands

7	3.80–4.00	3.90	2	Surface and cloud, fog at night, fire, winds
8	5.77–6.6	6.19	2	High-level atmospheric water vapor, winds, rainfall
9	6.75–7.15	6.95	2	Midlevel atmospheric water vapor, winds, rainfall
10	7.24–7.44	7.34	2	Lower-level water vapor, winds, and SO ₂
11	8.3–8.7	8.5	2	Total water for stability, cloud phase, dust, SO ₂ rainfall
12	9.42–9.8	9.61	2	Total ozone, turbulence, and winds
13	10.1–10.6	10.35	2	Surface and cloud
14	10.8–11.6	11.2	2	Imagery, SST, clouds, rainfall
15	11.8–12.8	12.3	2	Total water, ash, and SST
16	13.0–13.6	13.3	2	Air temperature, cloud heights and amounts



ABI, GOES Sounder and GOES Imager spectral locations for the infrared bands, compared to a high-resolution earth emitted spectra.

