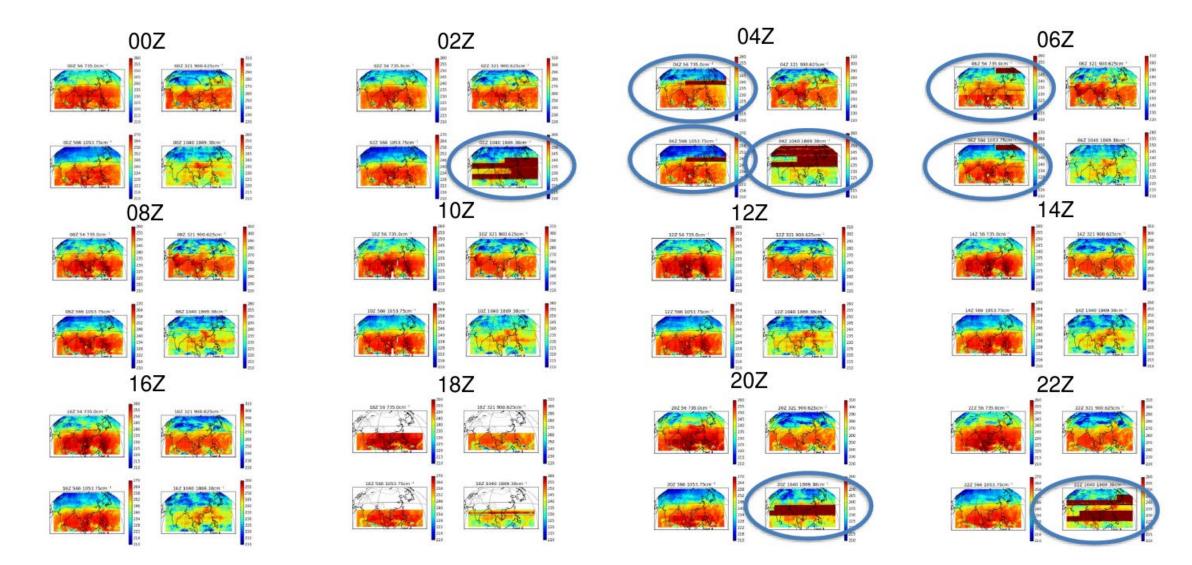
Using the ECMWF model + IASI to evaluate FY-4A GIIRS

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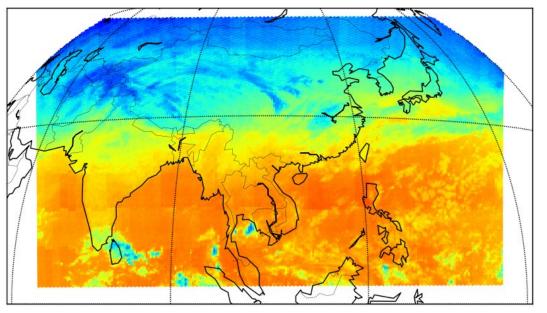


FY-4A Some very serious data problems...mostly extreme variations between dwells

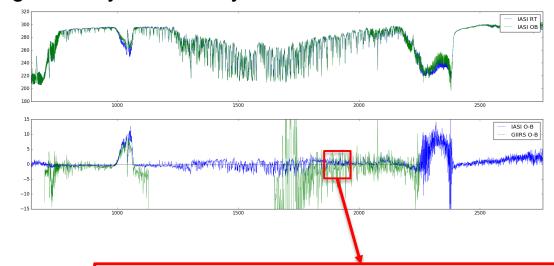


Using the ECMWF model + IASI to evaluate FY-4A

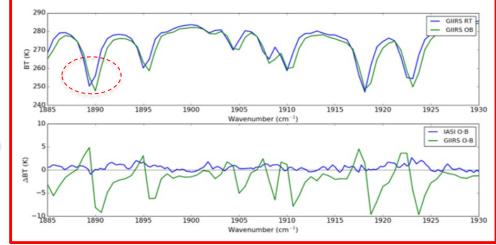




Initial evaluations suggested the GIIRS radiances were significantly more noisy than similar IASI channels

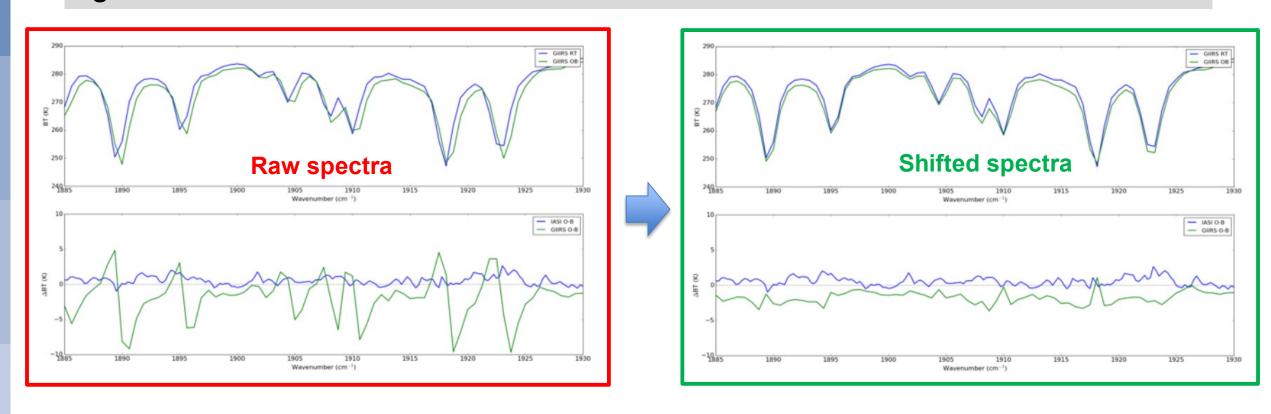


Cross checking with model simulations and IASI suggests much of the noise can be explained (and removed) with a spectral shift



Using the ECMWF model + IASI to correct FY-4A

Applying a diagnosed and constant shift of 0.325 cm⁻¹ across the entire GIRS spectrum **removes much of the additional noise** and significantly improves agreement with ECMWF model simulations and IASI observations.



FY-4A assimilation experiments to follow...