

January 16, 2018

ITOVs JPSS-1 ATMS SRF Public Release Announcement

The Instrument Science Team at NASA Goddard Space Flight Center (GSFC) for the Joint Polar Satellite System (JPSS) Advanced Technology Microwave Sounder (ATMS) is pleased to announce the public release of the spectral response function (SRF) data for the JPSS-1 ATMS.

For each channel grouping in the total of 22 channels, the data consists of the raw data as measured by the instrument contractor (Northrup Grumman Aerospace Systems, Azusa CA), a readme file that covers the format of the raw data and how the ATMS science team transformed this data into radio frequency (RF) SRFs, and the sample GSFC-generated RF SRFs for each channel. The channels groupings are channels 1 and 2 (direct detect), 3 through 9 (single sideband), 10-15 (double sideband), 16 (single sideband), 17 (double sideband), and 18-22 (double sideband).

The data may be obtained from the NASA website <https://jointmission.gsfc.nasa.gov/atms.html>, as a single zip file, containing 1 folder for each of the channel groupings. There are no restrictions on its release or how the data may be shared.

Comments and question should be sent to the ATMS Instrument Scientist, Edward Kim, at edward.j.kim@nasa.gov.