Nov. 1, 2020

JPSS-2 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-2 ATMS.

For each channel grouping in the total of 22 channels, the data consists of the raw data as measured by the instrument contractor (Northup Grumman Corporation, Azusa CA), a readme file that covers the format of the raw data. The 4 channels groupings are channels 1 and 2 (direct-detect), 3-15 which consists of 3-9 (single sideband) and 10-15 (double sideband), 16 (single sideband), 17 and 18-22 (double sideband). Note that Channel 6 has two pass bands in the lower sideband, with respect to the Local Oscillator (LO) frequency. There are four passbands for Channels 12-15.

The data may be obtained from the NOAA JPSS website as a single zip file, containing 1 folder for each of the channel groupings.

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