The standard REXIS data products are generated under kinsei:/opt/rexis/data/ directory. The pipeline software allows the reproduction of the REXIS data products in the user defined directory. The standard data product is bundled in hd5 format, which includes CCD event files, SXM data, and HK data. Here the file naming scheme for other data products is described. The rexis files are named according to the following conventions.

rex_[Instrument module][YYDOY]_[data type][level]_[supplementary description]_v[revision #].[suffix]

[Instrument module] fm = flight module, fs = flight spare, em=engineering module

[YYDOY] YY= last two digit of the year, DOY: day of year
[data type] evt=event file, sxm=sxm file, hk=housekeeping data, par=parameter setting, cal=calibration file, spe=spectrum
[level] 0 - 4
[supplementary description] optional
[revision #] 3 digits
   In the case of calibration, response files, and matching L1 CCD event files:
      v001: linear gain and offset calibration using Si-K (all the regions of each node), Mn-Ka, and Mn-Kb (the perim   source region), separate fits for grade 0 and grade 2-5
      v002: linear gain and offset calibration using Mn-Ka, and Mn-Kb (the perim source region of each node),   simultaneous fits for grade 0 and grade 2-5
      v003: temporal dependence is corrected: being tested
      v004: regional dependence is corrected: not implemented
      v005: non-linearity is planned: under consideration, depends on the Crab observation
[suffix]

Some files such as response files are generated for each node and/or each grade type, and suffix indicates the data type.

rex_[instrument module][YYDOY]_ccd[ccd_id, node_id]_grade[grade range]_[description]_v[revision #].[suffix]

Event files

./flight/rex_2018286/L0/rex_fm18286_evt0_v001.fits.gz : level 0 event fits file

./flight/rex_2018286/L1/rex_fm18286_evt1_v001.fits.gz : level 1 event fits file

Calibration files for L1 CCD event files

./aux/cal/rex_fm18286_cal_v002.fits.gz: calibration file for 2018 day 286 in fits format

./aux/cal/rex_fm18286_cal_v002.json: the same in json format

Response files
./aux/rmf/rex_fm18286_ccd02_grade00_v001.rmf.gz: rmf file for 2018 day 286 CCD02 grade 0 event files
./aux/arf/rex_fm18286_ccd02_grade00_v001.arf.gz: arf file for 2018 day 286 CCD02 grade 0 event files

The response files can be generated for L0 and L1 but the defaults are designed for L1 event products.