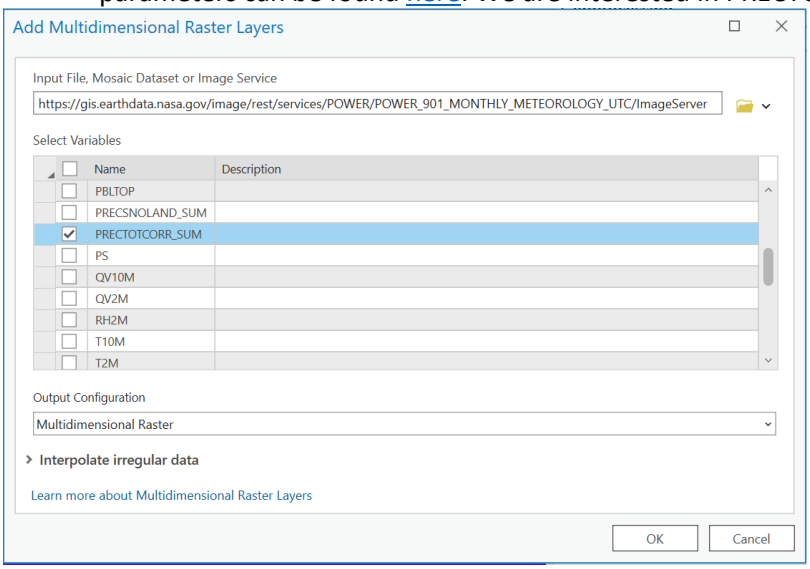
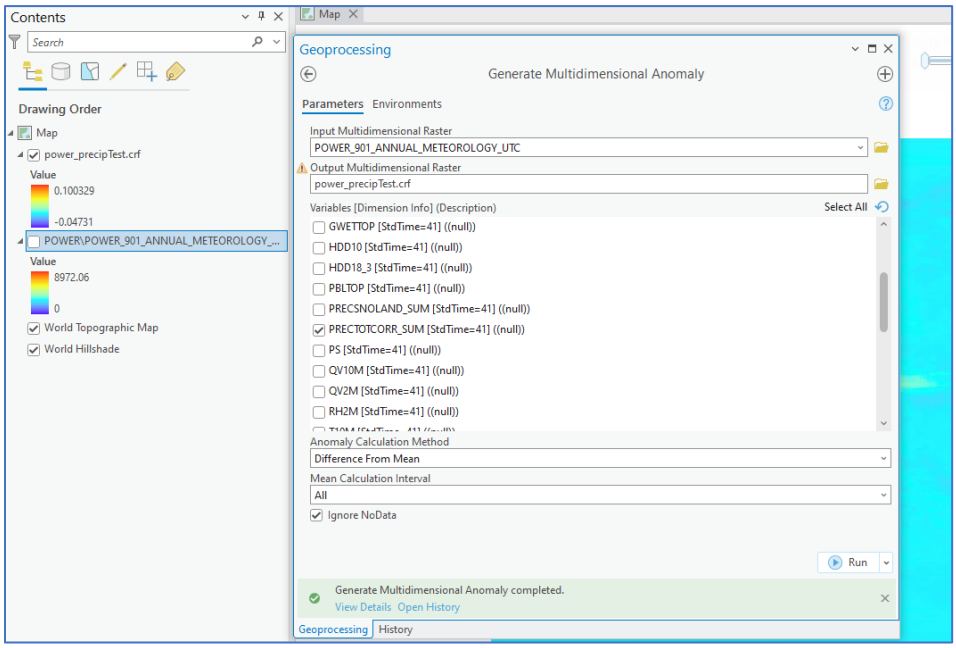
While we cannot provide support with this specific product, we can recommend similar NASA products that should be usable for your purposes:
1) POWER Monthly Meteorology: includes a monthly precipitation parameter at ½° x ⅝° latitude/longitude grid, (image service, data download)
2) GPM IMERG: Higher spatial and temporal granularity, data at 0.1° x 0.1° from 6/1/2000 at up to 30-minute intervals (image service, data download) Note, this is not multidimensional so traditional anomaly analysis recommended with precomputed values.

We were able to successfully generate multidimensional anomalies for the data following the workflow below:

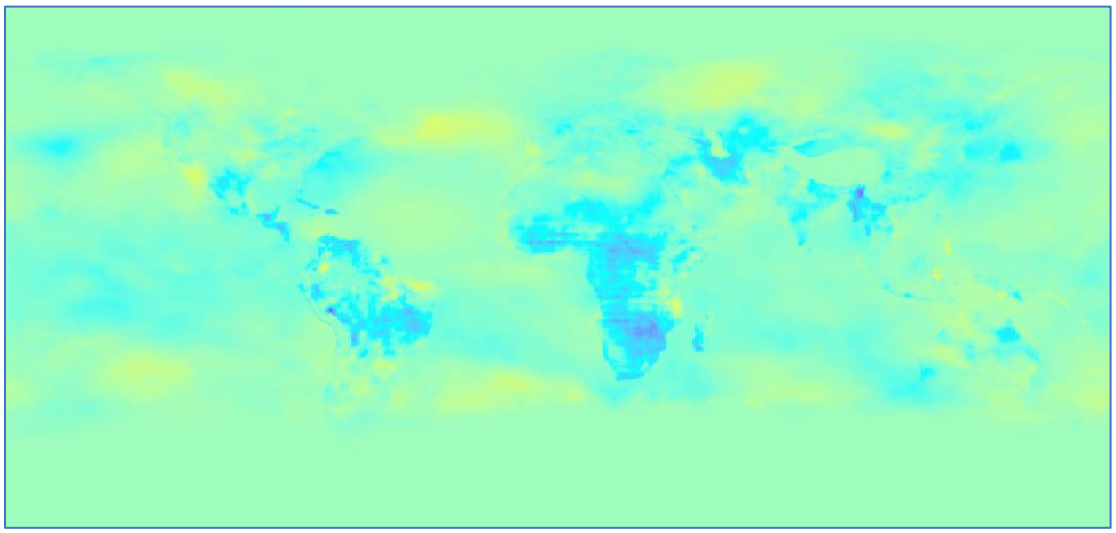
1) Map tab -> Add Data -> Add Data from Path **or** Map tab -> Add Data -> Add Multidimensional Raster Layer
    a. Use this URL to the service referenced previously (monthly Meteorology). Information on included parameters can be found here. We are interested in PRECTOTCORR_SUM.



2) You can now launch the *Generate Multidimensional Anomaly* geoprocessing tool and input arguments as follows:



3) The output raster should be functional and generally what is being looked for finding precipitation multidimensional anomalies.



We were unable to validate usability with the trend raster function due to this being a separate extension we currently do not have access to.