

The SHARP time series data are contained in the files SHARP_B_flare_data_300.hdf5 and SHARP_MX_flare_data_300.hdf5, which contain the following variables: 'ABSNJZH', 'HARPNUM', 'LAT_FWT', 'LON_FWT', 'MEANALP', 'MEANGAM', 'MEANGBH', 'MEANGBT', 'MEANGBZ', 'MEANJZD', 'MEANJZH', 'MEANPOT', 'MEANSHR', 'NACR', 'NOAA_AR', 'NPIX', 'SAVNCPP', 'SEGS', 'SHRGT45', 'SIZE', 'SIZE_ACR', 'TOTPOT', 'TOTUSJH', 'TOTUSJZ', 'USFLUX'

While we only use 20 of them in our calculations: ['ABSNJZH', 'MEANALP', 'MEANGAM', 'MEANGBH', 'MEANGBT', 'MEANGBZ', 'MEANJZD', 'MEANJZH', 'MEANPOT', 'MEANSHR', 'NACR', 'NPIX', 'SAVNCPP', 'SHRGT45', 'SIZE', 'SIZE_ACR', 'TOTPOT', 'TOTUSJH', 'TOTUSJZ', 'USFLUX']

There are 760 videos in MX flare data and 1194 videos in B flare data. All the data are 1 hour cadence.