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netcdf TIRS00_KNES_261903_PAF {
dimensions:
    x = 904 ;
    y = 506 ;
    nmeas = 2 ;
    dmw_band = 1 ;
variables:
    short x(x) ;
        x:long_name = "GOES fixed grid projection x-coordinate" ;
        x:standard_name = "projection_x_coordinate" ;
        x:axis = "X" ;
        x:units = "rad" ;
        x:add_offset = -0.151844 ;
        x:scale_factor = 5.6e-05 ;
    short y(y) ;
        y:long_name = "GOES fixed grid projection y-coordinate" ;
        y:standard_name = "projection_y_coordinate" ;
        y:axis = "Y" ;
        y:units = "rad" ;
        y:add_offset = 0.151844 ;
        y:scale_factor = -5.6e-05 ;
    short Flash_extent_density(y, x) ;
        Flash_extent_density:_FillValue = 0s ;
        Flash_extent_density:standard_name = "Flash Extent Density" ;
        Flash_extent_density:long_name = "GLM Flash Extent Density" ;
        Flash_extent_density:grid_mapping = "goes_imager_projection" ;
        Flash_extent_density:_Unsigned = "true" ;
        Flash_extent_density:valid_min = 0s ;
        Flash_extent_density:valid_max = 50s ;
    short Total_Optical_energy(y, x) ;
        Total_Optical_energy:_FillValue = 0s ;
        Total_Optical_energy:standard_name = "Total Optical Energy" ;
        Total_Optical_energy:long_name = "GLM Total Optical Energy" ;
        Total_Optical_energy:grid_mapping = "goes_imager_projection" ;
        Total_Optical_energy:_Unsigned = "true" ;

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Total_Optical_energy:add_offset = 0. ;
Total_Optical_energy:scale_factor = 1.52597e-06 ;
Total_Optical_energy:units = "nJ" ;
short Minimum_flash_area(y, x) ;
    Minimum_flash_area:_FillValue = 0s ;
    Minimum_flash_area:standard_name = "Minimum Flash Area" ;
    Minimum_flash_area:long_name = "GLM Minimum Flash Area" ;
    Minimum_flash_area:grid_mapping = "goes_imager_projection" ;
    Minimum_flash_area:_Unsigned = "true" ;
    Minimum_flash_area:add_offset = 0. ;
    Minimum_flash_area:scale_factor = 10. ;
    Minimum_flash_area:units = "km^2" ;
byte DQF(y, x) ;
    DQF:_FillValue = -1b ;
    DQF:grid_mapping = "goes_imager_projection" ;
    DQF:number_of_qf_values = 6LL ;
    DQF:units = "1" ;
    DQF:_Unsigned = "true" ;
    DQF:standard_name = "status_flag" ;
    DQF:long_name = "GLM data quality flags" ;
    DQF:flag_values = 0LL, 1LL ;
    DQF:flag_meanings = "valid, invalid" ;
int goes_imager_projection ;
    goes_imager_projection:long_name = "GOES-R ABI fixed grid
    projection" ;
    goes_imager_projection:grid_mapping_name = "geostationary" ;
    goes_imager_projection:latitude_of_projection_origin = 0. ;
    goes_imager_projection:longitude_of_projection_origin = -75. ;
    goes_imager_projection:semi_major_axis = 6378137LL ;
    goes_imager_projection:semi_minor_axis = 6356752.31414 ;
    goes_imager_projection:perspective_point_height = 35786023. ;
    goes_imager_projection:inverse_flattening = 298.2572221 ;
    goes_imager_projection:sweep_angle_axis = "x" ;
double flash_lat(nmeas) ;
    flash_lat:standard_name = "flash point latitude" ;

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    flash_lat:units = "degrees_north" ;
double flash_lon(nmeas) ;
    flash_lon:standard_name = "flash point longitude" ;
    flash_lon:units = "degrees_east" ;
float flash_area(nmeas) ;
    flash_area:standard_name = "flash point area" ;
    flash_area:units = "km*km" ;
float flash_energy(nmeas) ;
    flash_energy:standard_name = "flash point energy" ;
    flash_energy:units = "J" ;
byte flash_DQF(nmeas) ;
    flash_DQF:standard_name = "flash DQF" ;
    flash_DQF:units = "1" ;
uint64 flash_time(nmeas) ;
    flash_time:standard_name = "flash time" ;
    flash_time:units = "s" ;
double flash_duration(nmeas) ;
    flash_duration:standard_name = "flash duration" ;
    flash_duration:units = "s" ;
byte band_id(dmw_band) ;
    band_id:standard_name = "band id" ;
    band_id:units = "1" ;
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// global attributes:
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:cdm_data_type = "Image" ;
:Conventions = "CF-1.7" ;
:dataset_name =
"OR_GLMFD-020-B16-M0C00-T005_G16_s2022299190300_c20
22299190440.nc" ;
:id = "93cb84a3-31ef-4823-89f5-c09d88fc89e8" ;
:institution = "DOC/NOAA/NESDIS > U.S. Department of
Commerce, National Oceanic and Atmospheric Administration,
National Environmental Satellite, Data, and Information Services"
;
:instrument_ID = "GLM-1" ;
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:instrument_type = "GOES R Series Geostationary Lightning Mapper" ;
:iso_series_metadata_id =
"f5816f53-fd6d-11e3-a3ac-0800200c9a66" ;
:keywords = "ATMOSPHERE > ATMOSPHERIC ELECTRICITY > LIGHTNING, ATMOSPHERE > ATMOSPHERIC PHENOMENA > LIGHTNING" ;
:keywords_vocabulary = "NASA Global Change Master Directory (GCMD) Earth Science Keywords, Version 7.0.0.0.0" ;
:license = "Unclassified data. Access is restricted to approved users only." ;
:Metadata_Conventions = "Unidata Dataset Discovery v1.0" ;
:naming_authority = "gov.nesdis.noaa" ;
:orbital_slot = "GOES-East" ;
:platform_ID = "G16" ;
:processing_level = "National Aeronautics and Space Administration (NASA) L2" ;
:production_data_source = "Realtime" ;
:production_environment = "OE" ;
:production_site = "WCDAS" ;
:project = "GOES" ;
:scene_id = "Full Disk" ;
:spatial_resolution = "2km at nadir" ;
:standard_name_vocabulary = "CF Standard Name Table (v25, 05 July 2013)" ;
:summary = "The Lightning Detection Gridded product generates fields starting from the GLM Lightning Detection Events, Groups, Groups, Flashes product. It consists of flash extent density, event density, average flash area, average group area, total energy, flash centroid density, and group centroid density." ;
:time_coverage_end = "2022-10-26T19:04:00Z" ;
:time_coverage_start = "2022-10-26T19:03:00Z" ;
:timeline_id = "ABI Mode 6" ;
:title = "GLM L2 Lightning Detection Gridded Product" ;
:mission_name = "GLM_plot" ;

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:tile_row_offset = 404 ;  
:tile_column_offset = 904 ;
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}
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