Mapped out final product

V2.1 – organized by flashes and associated data with uncertainties

Guide

Underlined words indicate a group.

Not-underlined words indicate data.

The position within the sub lists indicates the organization of the groups.

Green highlighted data indicates it is of the type GeoTraj (has coordinates).

Pink highlighted data indicates it is of the Geo2D type (has coordinates).

Yellow highlighted data indicate it is of the 1D type.

Blue highlighted data indicate it is of the 2D type.

Without being highlighted indicates the type showed a - . This seems to be a scalar, a chart or unknown (looks like a description). Assume a scalar unless otherwise noted.

Re-sized refers to being sized to 500 m X 500 m square pixels.

Data relationships

* Fire Address – fire record number of re-sized pixels
* Flash Address – flash record number of re-sized pixels
* Power Outage Address – power outage data record number of re-sized pixels
* NO2 Address – NO2 data record number of re-sized pixels
* Associated Fire Pixels – record numbers of the fire addresses associated with a flash
* Associated Power Outage Pixels – record numbers of the power outage addresses associated with a flash
* Associated NO2 Pixels – record numbers of the NO2 addresses associated with a flash

LIS Flashes

* Cluster index - pixel density metric; higher numbers indicate flash is less likely to be noise
* Footprint - unique flash extent
* Location
* Radiance - sum of event radiances composing this flash
* TAI93 time - TAI93 time of 1st event in flash
* UL Corner
* UR Corner
* LL Corner
* LR Corner

MODIS Fires

* Aqua
  + Fire mask
  + FP confidence – detection confidence
  + FP land – land pixel flag
  + FP latitude – latitude of fire pixel
  + FP line – line of fire pixel
  + FP longitude – longitude of fire pixel
  + FP NumValid – number of valid background pixels
  + FP power – fire radiative power
  + Time – TAI when the sensor went by
  + UL Corner
  + UR Corner
  + LL Corner
  + LR Corner
* Terra
  + Fire mask
  + FP confidence – detection confidence
  + FP land – land pixel flag
  + FP latitude – latitude of fire pixel
  + FP line – line of fire pixel
  + FP longitude – longitude of fire pixel
  + FP NumValid – number of valid background pixels
  + FP power – fire radiative power
  + Time – TAI when the sensor went by
  + UL Corner
  + UR Corner
  + LL Corner
  + LR Corner

NTL Power Outages

* Gap Filled DNB BRDF Corrected NTL – Gap filled BRDF corrected DNB radiance
* QF Cloud Mask – Cloud mask status
* Mandatory Quality Flag – mandatory quality flag of BRDF corrected DNB radiance
* Time – TAI when the sensor went by
* UL Corner
* UR Corner
* LL Corner
* LR Corner

OMI/Aura NO2

* ColumnAmountNO2Trop – NO2 Tropospheric column density
* ColumnAmountNO2TropStd – precision
* Latitude
* Longitude
* Time – TAI93 at Start of Observation
* UL Corner
* UR Corner
* LL Corner
* LR Corner