

Product Name: 2019 VIIRS Global Surface Type Classification Map for EMC Modeling

File lists:

- VIIRS_GST_20types_2019_30arcsec: data file, u8 (unsigned char) binary
- VIIRS_GST_20types_2019_30arcsec.hdr: text header file providing information on data type, dimension, projection and coordinate system, type names and a predefined color table. It can be used to load the data in ENVI or ARCMAP

Format: ENVI generic binary, 1 band u8, 20 classes (17 IGBP types + 3 tundra classes).

Class values and names (also see .hdr file):

- 1 - Evergreen Needleleaf Forests
- 2 - Evergreen Broadleaf Forests
- 3 - Deciduous Needleleaf Forests
- 4 - Deciduous Broadleaf Forest
- 5 - Mixed Forests
- 6 - Closed Shrublands
- 7 - Open Shrublands
- 8 - Woody Savannas
- 9 - Savannas
- 10- Grasslands
- 11- Permanent Wetlands
- 12- Croplands
- 13- Urban and Built-up Lands
- 14- Cropland/Natural Vegetation Mosaics
- 15- Snow and Ice
- 16- Barren
- 17- Water Bodies
- 18- Wooded Tundra
- 19- Mixed Tundra
- 20- Bare Ground Tundra
- 31- Nodata

Dimension: row: 21600, column: 43200.

Projection: Lat/lon, 0.0083333 degree (30 arcsec). See .hdr file for more details.

Data source: JPSS S-NPP and NOAA-20 VIIRS data acquired in 2019.

Production and delivery: September, 2020.

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