

Order VI & GVF data from CLASS

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VI & GVF data archived on NOAA CLASS

1. Click “Register” to create an account if you don’t have one

- Comprehensive Large Array-data Stewardship System (CLASS) is a web-based data archive and distribution system for NOAA’s environmental data (https://www.avl.class.noaa.gov/saa/products/search?sub_id=0&datatype_family=JPSS_NGRN&submit.x=28&submit.y=8)

2. Click “Login” before ordering data. Then enter user name and password

The screenshot shows the NOAA CLASS website interface. At the top, there is a navigation bar with links for NOAA HOME, WEATHER, OCEANS, FISHERIES, CHARTING, SATELLITES, CLIMATE, RESEARCH, COASTS, and CAREERS. The main header features the NOAA logo and the text "COMPREHENSIVE LARGE ARRAY-DATA STEWARDSHIP SYSTEM (CLASS) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". Below the header, there is a navigation menu with links for CLASS Home, Login, Register, Help, About CLASS, and RSS. A search bar is present with the text "JPSS VIIIRS Products (Non-Granule) (JPSS_NGRN)" and a "GO" button. The main content area displays "Search - JPSS_NGRN" and a "Data Description" section. The data description text reads: "JPSS VIIIRS Products (Non-Granule) (JPSS_NGRN) - Visible Infrared Imaging Radiometer Suite (VIIRS) sensor data records and intermediate products from the Joint Polar Satellite System (JPSS) have been used to generate these VIIRS Level 3 non-granule products. The products were developed by the NOAA/NESDIS Center for Satellite Application and Research (STAR) and were produced within a near real-time environment at the NOAA/NESDIS Office of Satellite and Product Operations (OSPO). The VIIRS Polar Winds cover the Arctic and Antarctic from 65 degrees latitude poleward. Tropospheric winds are measured by tracking the motion of cloud features in the overlapping region of three successive orbits. A triplet of images is used to facilitate consistency checking and quality control. Wind products include wind speed, direction, and height at high latitudes. The VIIRS Green Vegetation Fraction (GVF) dataset is used as an input to land surface models to provide a better characterization of the earth surface. NESDIS will evaluate the vegetation environmental data records, compare VIIRS composites to the legacy baseline for consistency, implement algorithm enhancements, and tailor the products for use by NWP models and continuity requirements. The VIIRS Vegetation Health Products (VHP) algorithm provides weekly estimates of the Vegetation Condition Index (VCI), Temperature Condition Index (TCI) and Vegetation Health Index (VHI). These indices are designed to characterize moisture (VCI), thermal (TCI) and total vegetation health (VHI) conditions in response to weather impacts. The VHP algorithm requires a smoothed Normalized Difference Vegetation Index (NDVI) and Brightness Temperature (BT) from VIIRS. A 15-week time series smoothing technique is used. Data in the middle of the time series present the best result, and so the data of the 7th week (prior) is the final product. VIIRS-based products provide mission continuity from the AVHRR on NOAA and MetOp series satellites. These archived products are distributed in the netCDF-4 file format with metadata attributes included. Please expand "Details - Metadata, Documentation" section below for more details. Individual product (Datatype) description, documentation, and possible bulk access options are available under the "Product Details" link.

Search and order VI and GVF on NOAA CLASS

Website of CLASS for ordering JPSS VIIRS products (Non-Granule)

https://www.avl.class.noaa.gov/saa/products/search?sub_id=0&datatype_family=JPSS_NGRN&submit.x=28&submit.y=8

Temporal
(maximum range is 366 days)

Start Date
(format: YYYY-MM-DD) 2019-07-07

End Date
(format: YYYY-MM-DD) 2019-07-08

Start Time (UTC)
(format: HH:MM:SS) 00:00:00

End Time (UTC)
(format: HH:MM:SS) 23:59:59

Specify the range of the times for: Each Day Or The Entire Range Of Days

Advanced Search

Datatype

- VIIRS Global Green Vegetation Fraction
- VIIRS Polar Winds Daily Level 3 Northern Hemisphere
- VIIRS Polar Winds Daily Level 3 Southern Hemisphere
- VIIRS Vegetation Health and Drought Products (VHDP) at 1 km
- VIIRS Smoothed Normalized Difference Vegetation Index
- VIIRS Vegetation Health and Drought Products (VHDP) at 4 km
- VIIRS Global Vegetation Indices (Bi-Weekly) EDR
- VIIRS Global Vegetation Indices (Daily) EDR
- VIIRS Global Vegetation Indices (Weekly) EDR
- VIIRS Regional Vegetation Indices (Bi-Weekly) EDR
- VIIRS Regional Vegetation Indices (Daily) EDR
- VIIRS Regional Vegetation Indices (Weekly) EDR
- VIIRS Regional Green Vegetation Fraction

Satellite

NOAA-20
S-NPP

Quick Search & Order
to place large order without reviewing inventory or granule (file) metadata.

Search
to place small order after reviewing inventory and granule metadata, including browse images when available.

Step 1:
Specify the date

Step 2:
Select satellite

Step 3:
Select date type

Step 4:
Click on "Search"

Select the data

» CLASS Home » Logout » Help » About CLASS » **RSS** CLASS Help All NOAA » SEARCH

JPSS VIIRS Products (Non-Granule) (JPSS_NGRN) » GO

Data Product Search Results - JPSS_NGRN

(click here for a printable listing)

Recently Searched Data Sets: JPSS_NGRN » GO

Displaying page 1 of approximately 37 page(s).
There are an estimated 362 hit(s).

There are 711 (JPSS_NGRN) items in your shopping cart. The shopping cart limit is 500.

Shopping Cart: Goto Cart Update Select Page Unselect All Prev Page Next Page Jump to... ▾

Select datasets... ▾
Select datasets...
1-362

View Details	Shopping Cart	Inventory ID	Datatype	Orbit	Orbit	Start Time	End Time	Satellite	Dataset Name
1	<input checked="" type="checkbox"/>	898901794	VIIRS Global Green Vegetation Fraction (GRNVEGFrac)	10962	11047	2019-12-31 00:00:00.000	2020-01-06 00:00:00.000	J01	GVF-WKL-GLB_v2r3_j01_s20191231_e20200106_c202001070936370.nc
2	<input checked="" type="checkbox"/>	899212244	VIIRS Global Green Vegetation Fraction (GRNVEGFrac)	10976	11061	2020-01-01 00:00:00.000	2020-01-07 00:00:00.000	J01	GVF-WKL-GLB_v2r3_j01_s20200101_e20200107_c202001080942320.nc
3	<input checked="" type="checkbox"/>	899338224	VIIRS Global Green Vegetation Fraction (GRNVEGFrac)	10990	11075	2020-01-02 00:00:00.000	2020-01-08 00:00:00.000	J01	GVF-WKL-GLB_v2r3_j01_s20200102_e20200108_c202001090949080.nc
4	<input checked="" type="checkbox"/>	899403844	VIIRS Global Green Vegetation Fraction (GRNVEGFrac)	11004	11089	2020-01-03 00:00:00.000	2020-01-09 00:00:00.000	J01	GVF-WKL-GLB_v2r3_j01_s20200103_e20200109_c202001100935580.nc
5	<input checked="" type="checkbox"/>	758819185	VIIRS Global Green Vegetation Fraction (GRNVEGFrac)	11019	11104	2020-01-04 00:00:00.000	2020-01-10 00:00:00.000	J01	GVF-WKL-GLB_v2r3_j01_s20200104_e20200110_c202001110931400.nc
—	—	—	VIIRS Global Green	—	—	—	—	—	GVF-WKL-GLB_v2r3_j01

Step 5:
Click on “select datasets”
and select “1-362” to select
all datasets

Step 6:
Click on “Goto Cart”

Place order of data

- Around CLASS
- » Home
- » Subscriptions
- » Search for Data
- » Upload Search
- » Search Results
- » Shopping Cart
- » Order Status
- » Help
- User Account
- » User Profile
- » User Preferences
- Advanced Options
- » Download Keys
- » FTPS Instructions
- Release Info
- » Version 8.3.3
- February 15, 2023

JPSS VIIRS Products (Non-Granule) (JPSS_NGRN) >>GO

Shopping Cart

Total size of selected data sets: 6,809,272,485 Bytes You will be notified at: zhangyan.jiang@noaa.gov
Number of data sets: 711 Order Comment:

+ Advanced Options

PlaceOrder Commit Changes Remove All Reset

Step 7:
Click on "PlaceOrder"

JPSS_NGRN

JPSS_NGRN Results JPSS_NGRN Search Page

Order	Dataset Name	Include Digital Signature
<input checked="" type="checkbox"/>	Click on a dataset name to see the dataset details	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GRNVEGFRAC GVF-WKL-GLB_v2r3_j01_s20200104_e20200110_c202001110931400.nc	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GRNVEGFRAC GVF-WKL-GLB_v2r3_j01_s20200105_e20200111_c202001120944540.nc	<input type="checkbox"/>

Subscription of VI & GVF data

Users can subscribe VIIRS VI and GVF data on CLASS

The screenshot displays the NOAA CLASS (Comprehensive Large Array-Data Stewardship System) interface. At the top, there is a navigation bar with links for NOAA HOME, WEATHER, OCEANS, FISHERIES, CHARTING, SATELLITES, CLIMATE, RESEARCH, COASTS, and CAREERS. Below this is the NOAA logo and the text "COMPREHENSIVE LARGE ARRAY-DATA STEWARDSHIP SYSTEM (CLASS) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". A secondary navigation bar includes links for CLASS Home, Logout, Help, About CLASS, and RSS, along with buttons for CLASS Help and All NOAA.

The main content area is titled "Subscription Search Criteria - JPSS_NGRN". On the left, a vertical menu titled "Around CLASS" lists various options, with "Subscriptions" highlighted by a red box. The main content area shows a form for "JPSS_NGRN Subscription" with a checked "Subscription Enabled" option. Below this is an "Advanced Search" section with a list of data products and their subscription status:

- VIIRS Global Green Vegetation Fraction
- VIIRS Polar Winds Daily Level 3 Northern Hemisphere
- VIIRS Polar Winds Daily Level 3 Southern Hemisphere
- VIIRS Vegetation Health and Drought Products (VHDP) at 1 km
- VIIRS Smoothed Normalized Difference Vegetation Index
- VIIRS Vegetation Health and Drought Products (VHDP) at 4 km
- VIIRS Global Vegetation Indices (Bi-Weekly) EDR
- VIIRS Global Vegetation Indices (Daily) EDR
- VIIRS Global Vegetation Indices (Weekly) EDR
- VIIRS Regional Vegetation Indices (Bi-Weekly) EDR
- VIIRS Regional Vegetation Indices (Daily) EDR
- VIIRS Regional Vegetation Indices (Weekly) EDR
- VIIRS Regional Green Vegetation Fraction

At the bottom of the form, there are buttons for "Cancel", "Printable Listing", "Delivery Options >>", and "Reset".