

BHOONIDHI

ISRO EO Data Hub

UZAIR MUJEEB

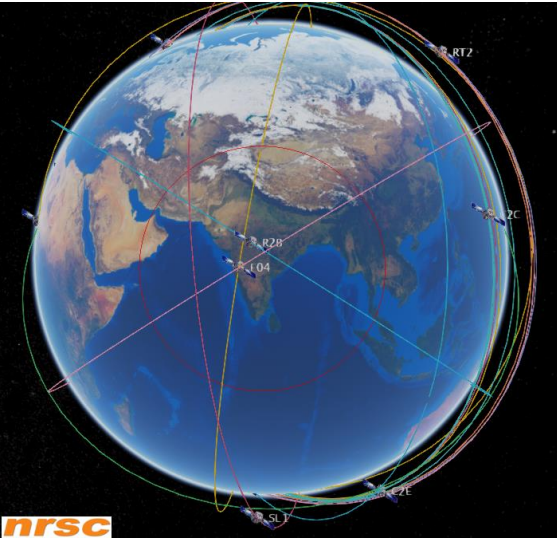
BHOONIDHI TEAM

<https://bhoonidhi.nrsc.gov.in>

Points Covered

- IMGEOs Processing Network
- Bhoonidhi – ISRO EO Data Hub
- Data Access Services
- Data Diversity
- Features
- Data Archive
- Data Access- Free and Priced
- Dissemination Mechanisms

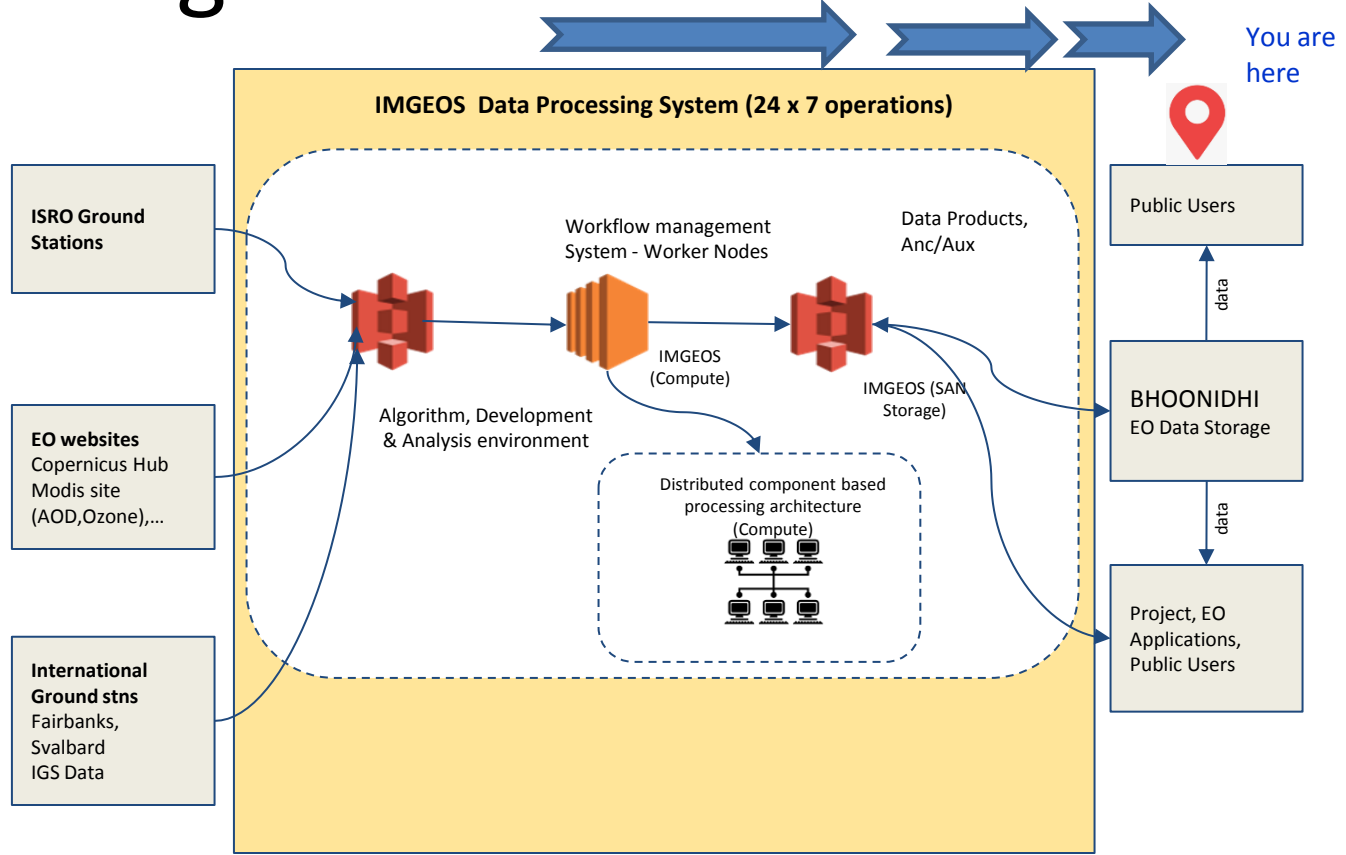
IMGEOS Processing Network- How Data gets Generated



nrsc



Bhoonidhi Workshop#1



Bhoonidhi

Bhoonidhi enables access to our extensive archive of Remote Sensing data from 46 satellites, including Indian and Foreign Remote Sensing sensors acquired over 33 years.

We also facilitate the Regional distribution of Sentinel and LandSat-8/9 data in India.



VISTA
Viewer of 1st Session

Bhoonidhi
STATS

Bhoonidhi
Browse & Order

Bhoonidhi
API

UPAGRAH
Orbit Viewer

APPLICATIONS



Products @Bhoonidhi

- Surface reflectance product
- Cartosat-1 Stereo products
- Cartosat-1 CartoDEM products
- Gsatat-1, NPP-Gpomi, JPSS1 - Open data products

Features @Bhoonidhi

- Image un-publish
- GST details Integration
- Order Cancellation
- Upgraded location database

NEW RELEASE!

Bhoonidhi Data Access- How you get

Bhoonidhi



Browse & Order

Search, View and
Download ,

Paid CART Interface,

Proforma (PI) ,

Place workorder

https..
SFTP..

FREE&OPEN

PRICED

bhoonidhi.nrsc.gov.in/bhoonidhi/index.html

Data

VISTA

Visualize at Full Resolution

Visualize the NRT
daily acquired data
and temporal cycle
based mosaic,

Quick animation of a
point AOI

For
Online
Analysis

bhoonidhi.nrsc.gov.in/vista/index.html

UPAGRAH

Orbit Viewer

Orbit Viewer - Live
satellite/orbit tracking

Quick View of all
satellites at predicted
UTC time.

For
Online
Analysis

bhoonidhi.nrsc.gov.in/upagrah

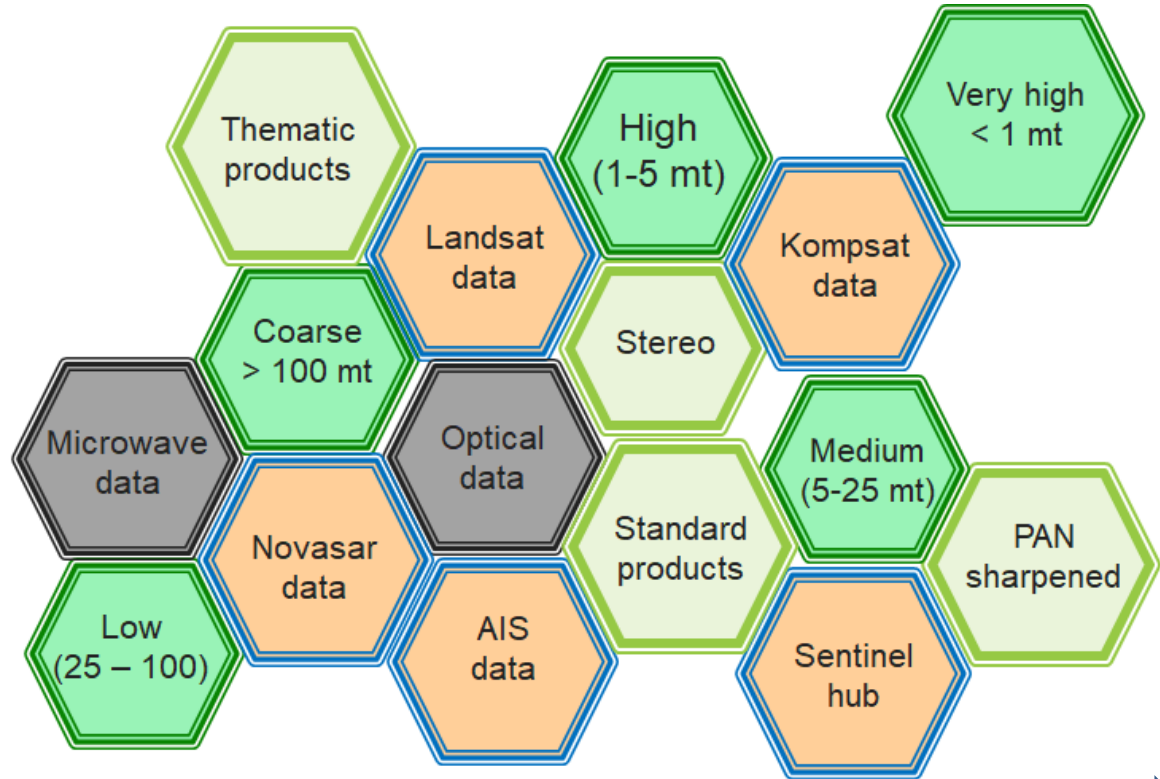


Data Diversity at Bhoonidhi

- Product types
- Foreign missions
- Resolutions
- Bands

NEW RELEASE!

- EOS-04 (C-SAR) data products
- Landsat-8 collection 2
- Landsat-9
- Ortho products from IRS 1A/1B/1C/1D Liss sensor
- Scatsat-1, NPP-Suomi, JPSS-1: Open data products



OLDEST (33 years) to till today

Unique Features

- ✓ User friendly search options to ease target area identification:
- ✓ Multiple satellite and sensors, resolutions, date range
- ✓ Event-based input specifications
- ✓ Natural language text based search options
- ✓ AOI specification using free draw on map, shapefile, polygon, points, pre-defined locations.
- ✓ Additional filtering based on cloud, polarisation, sub-scene, path, row.
- ✓ ePayment through Non-Tax Receipt Portal (NTRP) (<https://bharatkosh.gov.in.>) – **Enabled @Bhoonidhi**



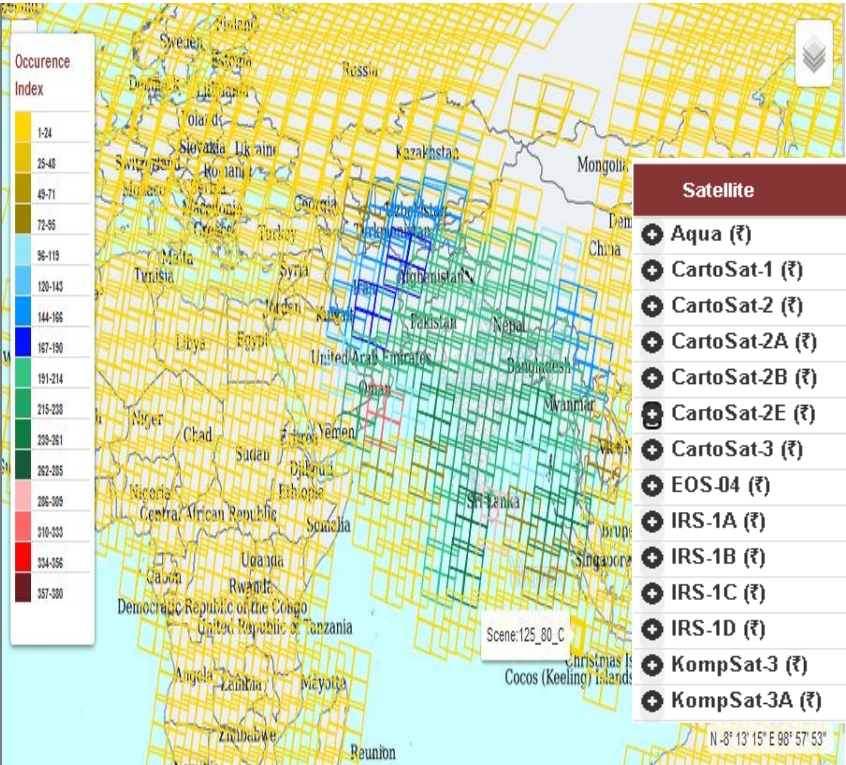
Data Archive

Satellite Data Availability

Select satellite from the list below:

01 January 2020 31 October 2022

<input checked="" type="radio"/> NOAA-19 (₹)	04/29/2010 - 07/15/2013
<input checked="" type="radio"/> Novasar-1 (₹)	10/01/2019 - till date
<input checked="" type="radio"/> OceanSat-1 (₹)	05/26/1999 - 08/08/2010
<input checked="" type="radio"/> OceanSat-2 (₹)	05/08/2009 - till date
<input checked="" type="radio"/> RISAT-1 (₹)	05/08/2012 - 03/17/2017
<input checked="" type="radio"/> ResourceSat-1 (₹)	05/08/2003 - 10/09/2019
<input checked="" type="radio"/> ResourceSat-2 (₹)	09/01/2010 - till date
<input checked="" type="radio"/> AWIFS	05/08/2011 - till date
<input type="radio"/> LISS3	09/01/2010 - till date
<input type="radio"/> LISS4(MONO)	05/08/2011 - till date
<input type="radio"/> LISS4(MX23)	05/08/2011 - till date
<input type="radio"/> LISS4(MX70)	05/08/2011 - till date
<input checked="" type="radio"/> ResourceSat-2A (₹)	12/18/2016 - till date
<input checked="" type="radio"/> ScatSat-1	01/01/2020 - 12/31/2021
<input checked="" type="radio"/> Sentinel-1A	10/01/2019 - till date
<input checked="" type="radio"/> Sentinel-1B	10/01/2019 - till date
<input checked="" type="radio"/> Sentinel-2A	10/01/2019 - till date

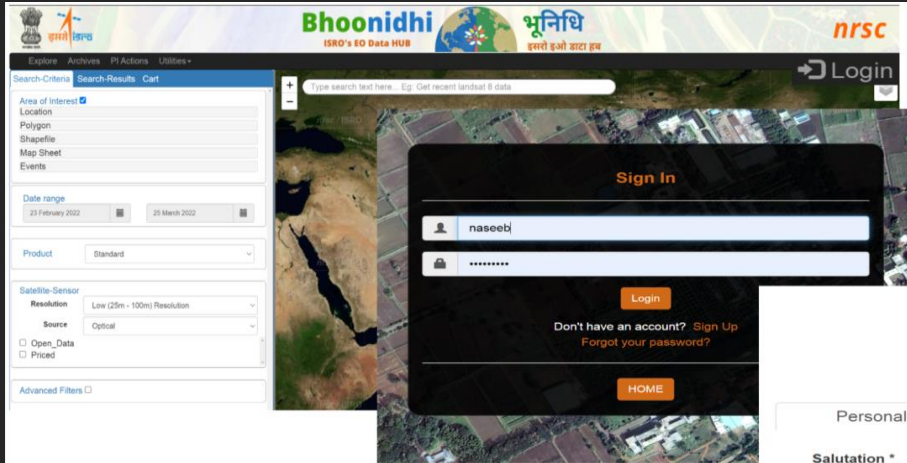


Occurrence Index

- 1-24
- 25-48
- 49-71
- 72-95
- 96-119
- 120-143
- 144-166
- 167-190
- 191-214
- 215-238
- 239-261
- 262-285
- 286-309
- 310-333
- 334-356
- 357-380

Satellite	Availability
<input checked="" type="radio"/> LandSat-8	01/01/2017 - till date
<input checked="" type="radio"/> LandSat-9	04/01/2022 - till date
<input checked="" type="radio"/> Aqua (₹)	08/25/1994 - 09/13/1994
<input checked="" type="radio"/> CartoSat-1 (₹)	09/14/1994 - 11/04/1995
<input checked="" type="radio"/> CartoSat-2 (₹)	04/03/1995 - 09/22/2010
<input checked="" type="radio"/> CartoSat-2A (₹)	06/20/2001 - 07/15/2013
<input checked="" type="radio"/> CartoSat-2B (₹)	09/20/2005 - 12/31/2010
<input checked="" type="radio"/> CartoSat-2E (₹)	09/20/2005 - 10/09/2009
<input checked="" type="radio"/> CartoSat-3 (₹)	04/29/2010 - 07/15/2013
<input checked="" type="radio"/> EOS-04 (₹)	10/01/2019 - till date
<input checked="" type="radio"/> IRS-1A (₹)	05/26/1999 - 08/08/2010
<input checked="" type="radio"/> IRS-1B (₹)	05/08/2009 - till date
<input checked="" type="radio"/> IRS-1C (₹)	05/08/2012 - 03/17/2017
<input checked="" type="radio"/> IRS-1D (₹)	05/08/2003 - 10/09/2019
<input checked="" type="radio"/> KompSat-3 (₹)	09/01/2010 - till date
<input checked="" type="radio"/> KompSat-3A (₹)	12/18/2016 - till date
<input checked="" type="radio"/> ScatSat-1	01/01/2020 - 12/31/2021
<input checked="" type="radio"/> Sentinel-1A	10/01/2019 - till date
<input checked="" type="radio"/> Sentinel-1B	10/01/2019 - till date
<input checked="" type="radio"/> Sentinel-2A	10/01/2019 - till date
<input checked="" type="radio"/> Sentinel-2B	10/01/2019 - till date
<input checked="" type="radio"/> Terra (₹)	01/01/2002 - till date

Data Access: Registration

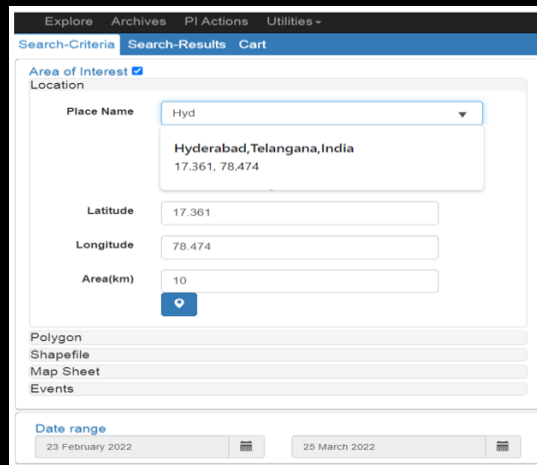


Bhoonidhi Registration

Personal Info	Address	Contact Details	Submit Registration
Salutation *	Ms		
Full name *	Ankitha		
Gender	female		
Login Id *	ankitha		
password *		
User Type *	Central Government		

Product Search: Inputs

- Area of Interest
- Date Range
- Product Type
- Resolution
- Satellite-Sensor
- Events
- Advanced Filters
- Natural language text based search option



Explore Archives PI Actions Utilities -

Search-Criteria Search-Results Cart

Area of Interest

Location

Place Name

Hyderabad, Telangana, India
17.361, 78.474

Latitude

Longitude

Area(km)

Polygon

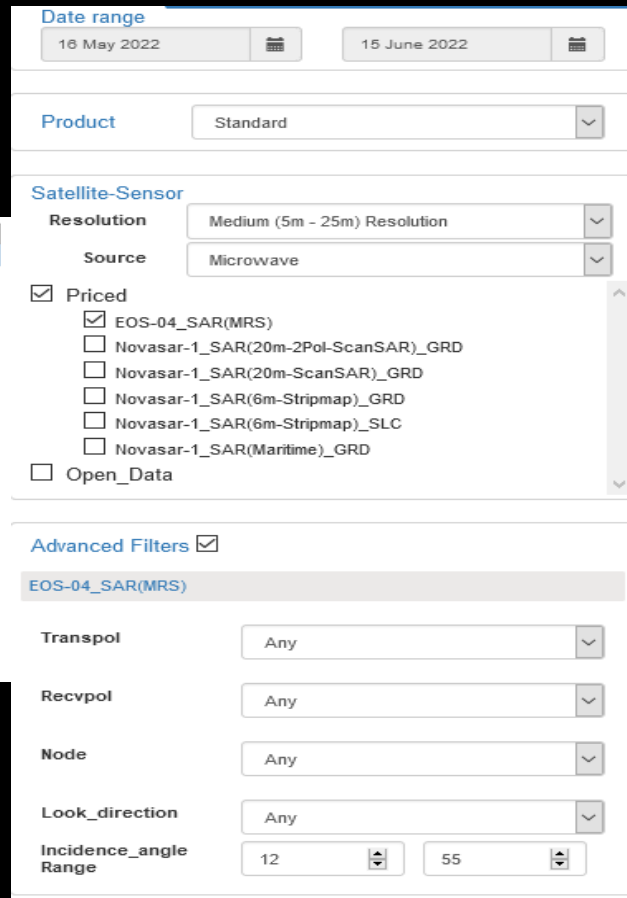
Shapefile

Map Sheet

Events

Date range

23 February 2022 25 March 2022



Date range

18 May 2022 15 June 2022

Product

Satellite-Sensor

Resolution

Source

Priced

EOS-04_SAR(MRS)

Novasar-1_SAR(20m-2Pol-ScanSAR)_GRD

Novasar-1_SAR(20m-ScanSAR)_GRD

Novasar-1_SAR(6m-Stripmap)_GRD

Novasar-1_SAR(6m-Stripmap)_SLC

Novasar-1_SAR(Maritime)_GRD

Open_Data

Advanced Filters

EOS-04_SAR(MRS)

Transpol

Recvpol

Node

Look_direction

Incidence_angle Range

Product Search Inputs: Area of Interest

Search-Criteria Search-Results Cart

Area of Interest

Location

Place Name

Decimal Degree-Minute-Second

Latitude

Longitude

Area(km)

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

TL_Lat TL_Lon

BR_Lat BR_Lon

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

Shapefile

Map Sheet

Open Series Old Series

6X4 1 15' 7.5' 3'

B

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

Shapefile

Existing Shapefile User Shapefile

Shapefile

Location, Polygon,
Shapefile, Map
sheet based and
free draw on map

Product Search Inputs: Product Type

Product

- Standard
- Standard
- Stereo
- Merged
- AIS
- Thematic

Satellite-Sensor

Resolution

Source

Search-Criteria Search-Results Cart

Footprint Controls

Search Details

Load more results

Show 100 Filter Results

	PS_PANA_SR_F 68667_600_273 Dop: 10-Jan-2018		PS_PANF_SR_F Scene: 68667_600_273 Dop: 10-Jan-2018
	PS_PANA_SR_F 68756_594_280 Dop: 16-Jan-2018		PS_PANF_SR_F Scene: 68756_594_280 Dop: 16-Jan-2018
	PS_PANA_SR_F 68756_594_273 Dop: 16-Jan-2018		PS_PANF_SR_F Scene: 68756_594_273 Dop: 16-Jan-2018
	PS_PANA_SR_F 68830_609_286 Dop: 21-Jan-2018		PS_PANF_SR_F Scene: 68830_609_286 Dop: 21-Jan-2018
	PS_PANA_SR_F 68741_616_276 Dop: 15-Jan-2018		PS_PANF_SR_F Scene: 68741_616_276

Type search text here... Eg: Get recent landsat 8 data

N 24° 44' 07" E 86° 39' 42"

Latitude: 24.7354 Longitude: 86.6616

Product Search Inputs: Resolution

Satellite-Sensor

Resolution Low (25m - 100m) Resolution

Source

Open_Data

Priced

- Very high (0m - 1m) Resolution
- High (1m - 5m) Resolution
- Medium (5m - 25m) Resolution
- Low (25m - 100m) Resolution**
- Coarse (100m - 1000m) Resolution

Resolution Categories:

Very High (<1 m)

High (1m-5m)

Medium (5m-25m)

Low (25m-100m)

Coarse (>100m)

Satellite-Sensor

Resolution Low (25m - 100m) Resolution

Source Optical

Open_Data

- LandSat-8_OLI+TIRS_Standard
- LandSat-9_OLI+TIRS_Standard
- Sentinel-2A_MSI_Level-1C
- Sentinel-2A_MSI_Level-2A
- Sentinel-2B_MSI_Level-1C
- Sentinel-2B_MSI_Level-2A

Priced

- ResourceSat-2_AWIFS
- ResourceSat-2A_AWIFS_BOA
- ResourceSat-2A_AWIFS

Advanced Filters

Search-Criteria Search-Results Cart

Advanced Filters

EOS-04_SAR(MRS)

Transpol

Recvpol

Node

Look_direction

Incidence_angle Range

Search-Criteria Search-Results Cart

Open_Data
 Priced
 ResourceSat-2_AWIFS
 ResourceSat-2A_AWIFS_BOA
 ResourceSat-2A_AWIFS

Advanced Filters

ResourceSat-2_AWIFS

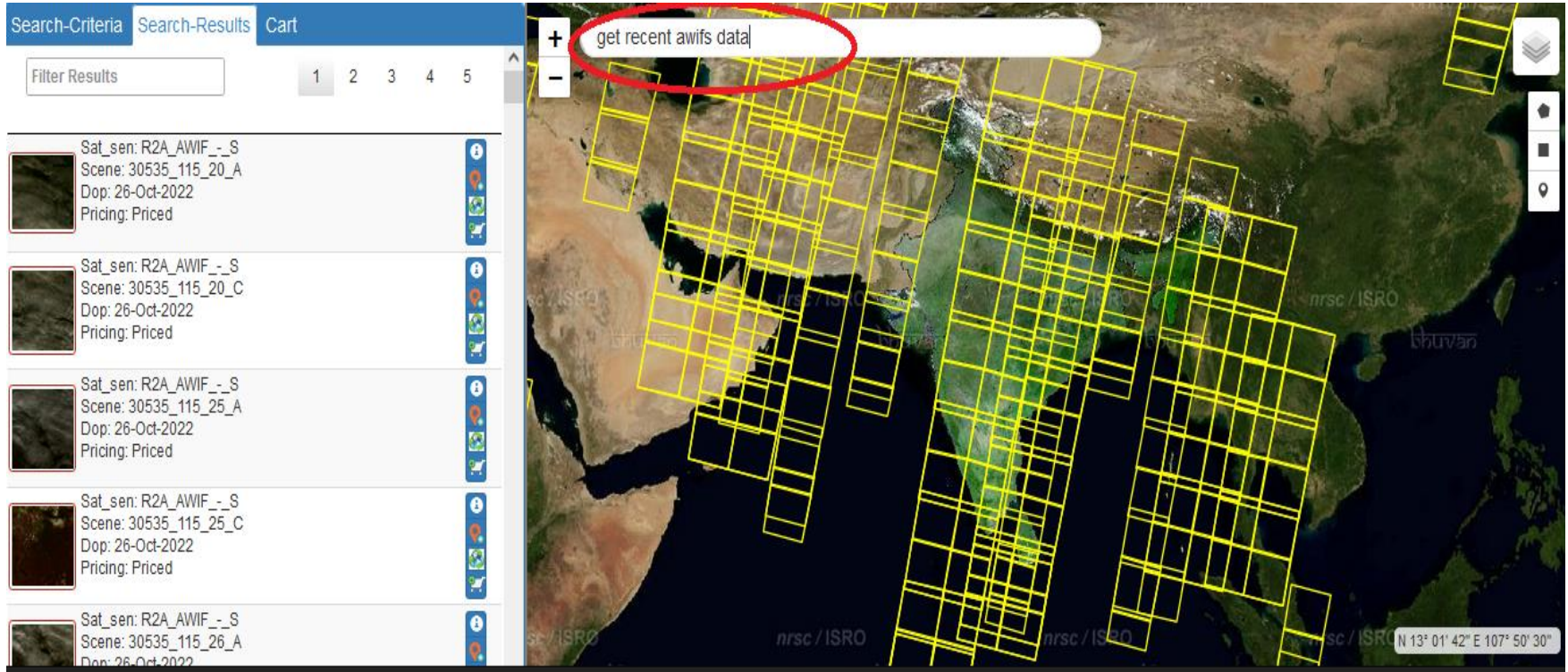
Cloud Less Than %

Path Range





Row Range

Coverage

Natural Language Text Based Search



The screenshot displays a satellite search interface. On the left, there is a sidebar with tabs for 'Search-Criteria', 'Search-Results', and 'Cart'. Below the tabs is a 'Filter Results' input field and a list of search results. The search results list contains five entries, each with a thumbnail image, a title 'Sat_sen: R2A_AWIF_-_S', a scene ID, a date 'Dop: 26-Oct-2022', and a pricing status 'Pricing: Priced'. On the right, a satellite map shows the region of India and surrounding areas. A search bar at the top of the map contains the text 'get recent awifs data', which is circled in red. The map displays a grid of yellow rectangular swaths over the landmass. The interface includes zoom controls (+/-) and a location pin icon.

Thumbnail	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_20_A	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_20_C	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_25_A	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_25_C	Dop: 26-Oct-2022	Pricing: Priced
	Sat_sen: R2A_AWIF_-_S	Scene: 30535_115_26_A	Dop: 26-Oct-2022	Pricing: Priced

Events Based Search

Explore Archives PI Actions Utilities

Search-Criteria Search-Results Cart

Area of Interest

Location

Polygon

Shapefile

Map Sheet

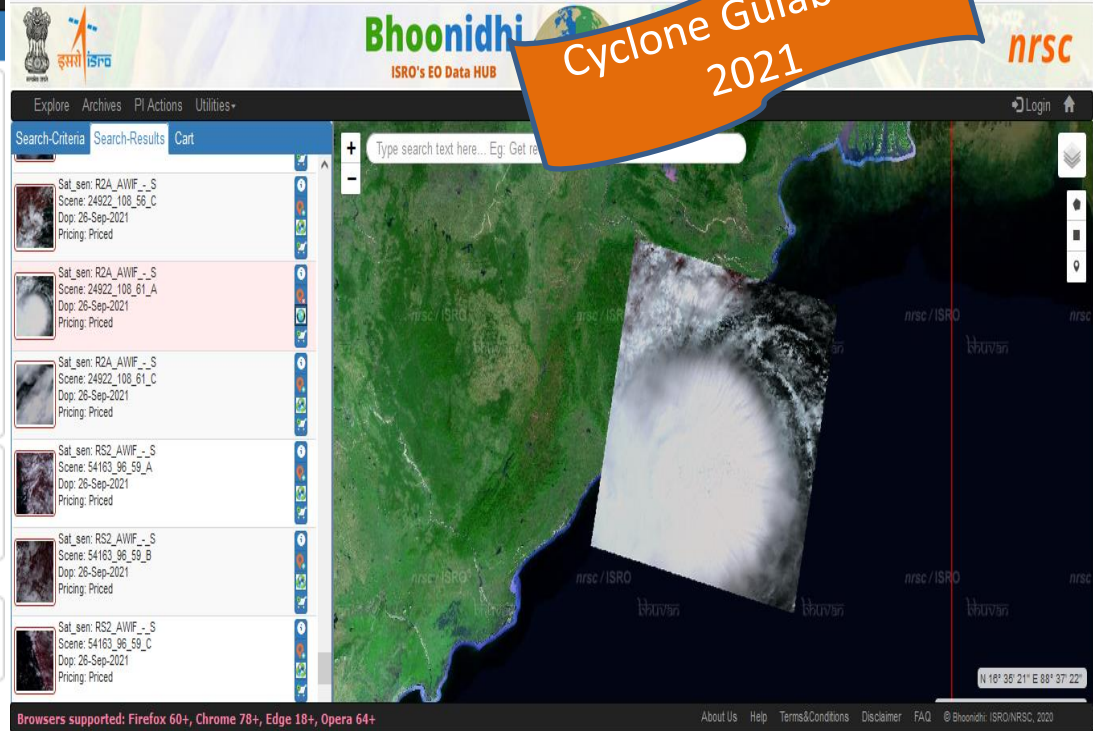
Events

Cyclone

Select
Avalanche
Cyclone
Earthquake

Date

Product



Bhoonidhi ISRO's EO Data HUB

Search-Criteria Search-Results Cart

Type search text here... E.g. Get re

- Sat_sen: R2A_AWIF_-_S
Scene: 24922_108_59_C
Dop: 26-Sep-2021
Pricing: Priced
- Sat_sen: R2A_AWIF_-_S
Scene: 24922_108_61_A
Dop: 26-Sep-2021
Pricing: Priced
- Sat_sen: R2A_AWIF_-_S
Scene: 24922_108_61_C
Dop: 26-Sep-2021
Pricing: Priced
- Sat_sen: RS2_AWIF_-_S
Scene: 54163_96_59_A
Dop: 26-Sep-2021
Pricing: Priced
- Sat_sen: RS2_AWIF_-_S
Scene: 54163_96_59_B
Dop: 26-Sep-2021
Pricing: Priced
- Sat_sen: RS2_AWIF_-_S
Scene: 54163_96_59_C
Dop: 26-Sep-2021
Pricing: Priced

Y 16° 36' 21" E 88° 37' 22"

Browsers supported: Firefox 60+, Chrome 78+, Edge 18+, Opera 64+

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Cyclone Gulab-Sep 2021

Thematic Data

Product: Thematic

Satellite-Sensor Source: Optical

Open_Data

- OceanSat-2_OCM(GAC)_L2B-AerosolDepth
- OceanSat-2_OCM(GAC)_L2B-Chlorophyll
- OceanSat-2_OCM(GAC)_L2B-DifferentAttenuation
- OceanSat-2_OCM(GAC)_L2B-SuspendedSediments

Satellite-Sensor Source: Scatterometer

Open_Data

- ScatSat-1_SCAT_2B
- ScatSat-1_SCAT_3SH
- ScatSat-1_SCAT_3SV
- ScatSat-1_SCAT_3WW

Search-Results Cart

oSat-1_PANCDI_CartoDEM-10m

25 September 2021 to 10 October 2021

polygon User's AOI is represented in red

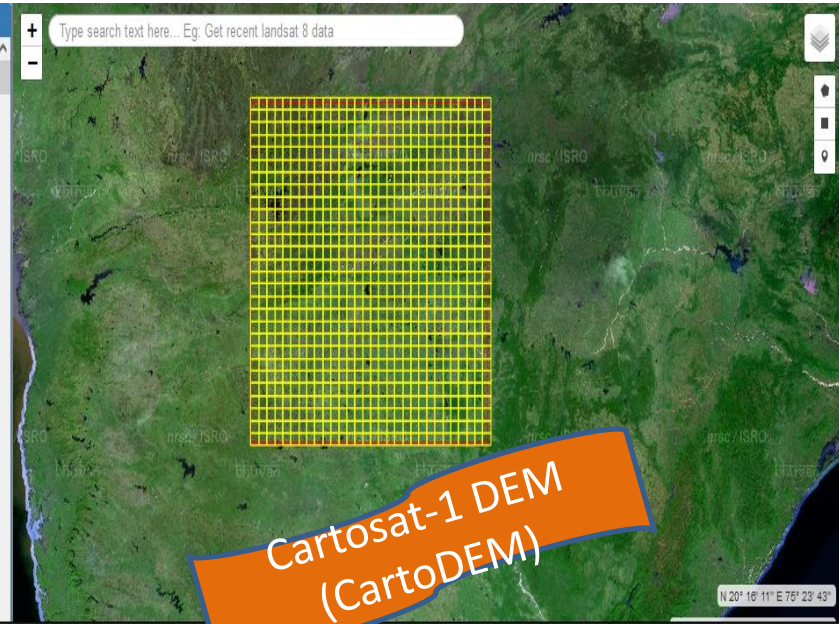
20221021_000028162

products to Cart

Load more results

1 5 6 7 8 9

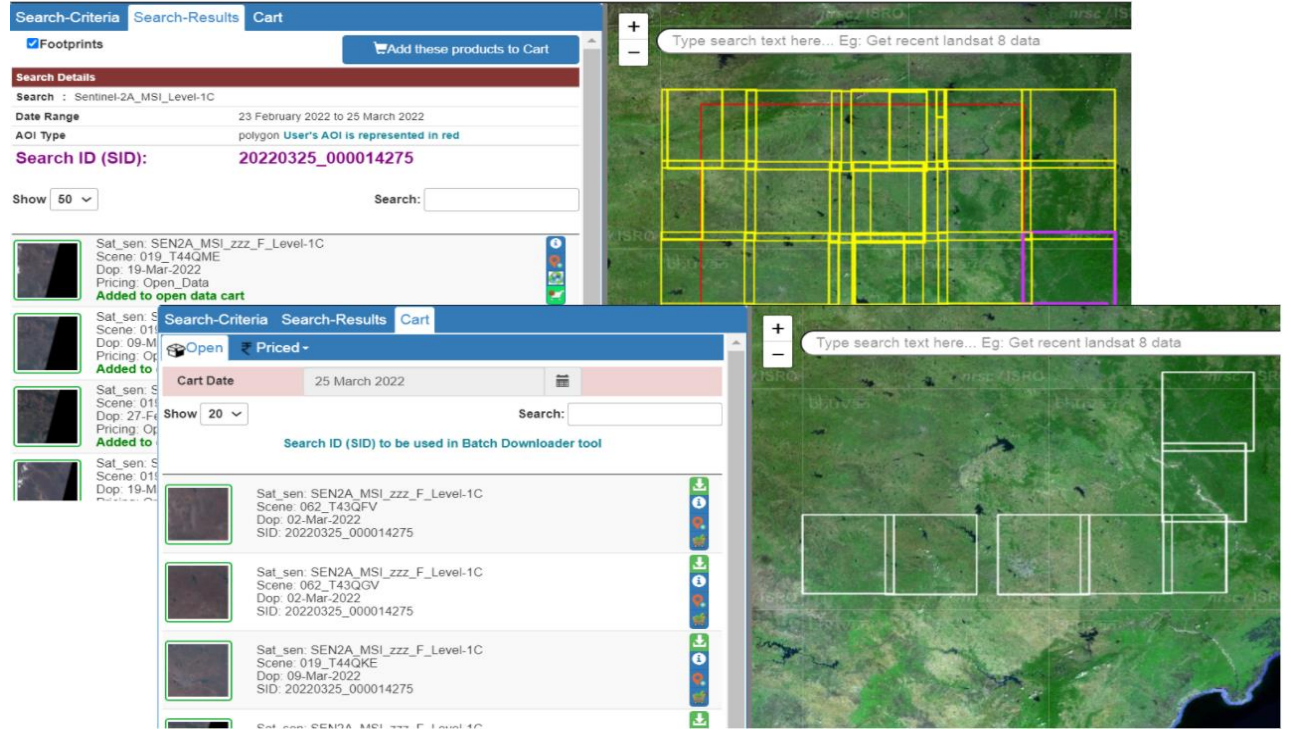
- Sat_sen: PS_PAN_CD_F
Scene: PS_PAN_CD_N21_750_E077_375
Pricing: Priced
- Sat_sen: PS_PAN_CD_F
Scene: PS_PAN_CD_N21_750_E077_500
Pricing: Priced
- Sat_sen: PS_PAN_CD_F
Scene: PS_PAN_CD_N21_750_E077_625
Pricing: Priced



Open Data

Search & Download

Oceansat2 OCM-GAC,
JPSS1, Suomi-NPP,
Landsat-8&9, Sentinel
1A, 1B, 2A, 2B



Search-Criteria Search-Results Cart

Footprints [Add these products to Cart](#)

Search Details

Search : Sentinel-2A_MSI_Level-1C

Date Range : 23 February 2022 to 25 March 2022

AOI Type : polygon **User's AOI is represented in red**

Search ID (SID): 20220325_000014275

Show 50 Search:

Sat_sen: SEN2A_MSI_..._F_Level-1C
Scene: 019_T44QME
Dop: 19-Mar-2022
Pricing: Open_Data
Added to open data cart

Sat_sen: S...
Scene: 01...
Dop: 09-M...
Pricing: Op...
Added to

Sat_sen: S...
Scene: 01...
Dop: 27-F...
Pricing: Op...
Added to

Sat_sen: S...
Scene: 01...
Dop: 19-M...
Pricing: Op...
Added to







Search-Criteria Search-Results Cart

Open Priced -

Cart Date: 25 March 2022

Show 20 Search:

Search ID (SID) to be used in Batch Downloader tool

	Sat_sen: SEN2A_MSI_..._F_Level-1C Scene: 062_T43QFV Dop: 02-Mar-2022 SID: 20220325_000014275	
	Sat_sen: SEN2A_MSI_..._F_Level-1C Scene: 062_T43QGV Dop: 02-Mar-2022 SID: 20220325_000014275	
	Sat_sen: SEN2A_MSI_..._F_Level-1C Scene: 019_T44QKE Dop: 09-Mar-2022 SID: 20220325_000014275	

Search

Select

Add to
Cart

Download

Priced Data

EOS-04, Cartosat-3, Cartosat-2S, Resourcesat-1, 2, 2A, Cartosat-1, IRS 1A, 1B, 1C, 1D ...

Browsing FREE

Search:

[Add these products to Cart](#)

Product: Resourcesat_2_LIS4(MX70)

Change: 01 December 2021 to 25 March 2022

AOI Type: polygon **User's AOI is represented in red**

Search ID (SID): 20220325_000014334

Show: 50 Search: 561

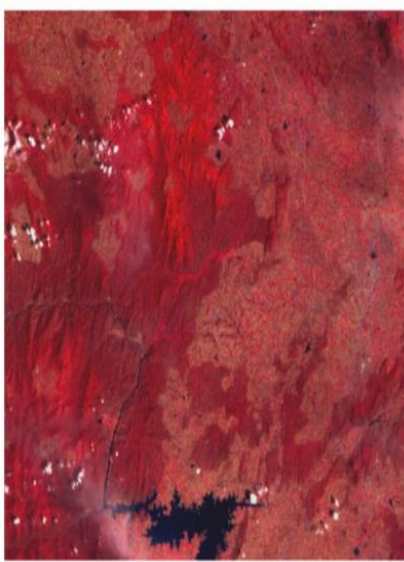
- Sat_sen: RS2_LIS4_FMX_F
Scene: 56152_100_66_D
Dop: 13-Feb-2022
Pricing: Priced
Added to Priced cart
- Sat_sen: RS2_LIS4_FMX_F
Scene: 56152_100_65_B
Dop: 13-Feb-2022
Pricing: Priced
- Sat_sen: RS2_LIS4_FMX_F
Scene: 56152_100_66_B
Dop: 13-Feb-2022
Pricing: Priced
Added to Priced cart
- Sat_sen: RS2_LIS4_FMX_F
Scene: 56152_100_65_D
Dop: 13-Feb-2022
Pricing: Priced

Showing 1 to 4 of 4 entries (filtered from 62 total entries)

[Add these products to Cart](#) [Load more results](#)



Meta Data Information



Brightness: 45 Contrast: -10

Meta Data Information

Product Id: RS2_LIS4_FMX_13-FEB-2022_100_65_B_SAN_56152_13-FEB-2022_PLD_56152_1_000_432_SAN_SSRN_1_56159_SAN_SSRN_2_56159_1

SCENE DETAILS	COVERAGE DETAILS
Satellite: RS2	Top Left Lat: 12.544
Sensor: LIS4	Top Left Lon: 77.642
Date of Pass: 13-Feb-2022	Top Right Lat: 12.412
Imaging Orbit No: 56152	Top Right Lon: 78.275
Ground Orbit No: 56152	Bottom Right Lat: 11.791
Path: 100	Bottom Right Lon: 78.131
Scene No: 65	Bottom Left Lat: 11.924
Sensor Specification: RS2_LIS4_FMX_F	Bottom Left Lon: 77.499
Scene Specification: 56152_100_65_B	Center Latitude: 12.168
Roll: 2.237	Center Longitude: 77.886
Quality: 1	



Priced Data

Product Details for RS2_LIS4_FMX_F Pricing Indian

Product Type: ST_Standard Dispatch Mode: FTP

Processing Level: 1_Radiometric Datum: WGS 84

Enhancement: 00_Digital Product Res: 5.0

Projection: 0_No Projection Priority: Normal

Resampling: 0_No Resampling No of copies: 1

Format: O_Orthokit Quality: Quality Check

Cost

Cost type: scene (Rs)

No of scenes: 2 Unit Rate: 1070.00

Priority Charges: 0.00 IGST / CGST / SGST: 0.0 / 0.0 / 0.0

Discounts: 0.00 Final: 2140.00

[Add Product Specifications](#)

Selected Products

Satellite-sensor	Product code	Dispatch mode	Datum	Product res	Priority	Copies	Quality	No of scenes	Cost	Other Params	Action
RS2_LIS4_FMX_F	ST000010V	FTP	WGS 84	5.0	Normal	1	NA	2	2140.00	-	

Total Cost : Rs 2140

User Ref: testPI Ref Date: 25 March 2022

[Generate Pro-forma Invoice \(PI\)](#)

Explore Archives PI Actions Utilities

Show 10 entries

Selection	PI Number	PI Date	Get PI Details	Show Footprints
<input type="checkbox"/>	15276	23-MAR-2022	Details	Footprints
<input type="checkbox"/>	14302	21-MAR-2022	Details	Footprints
<input type="checkbox"/>	10790	24-MAR-2022	Details	Footprints
<input type="checkbox"/>	9730	24-FEB-2022	Details	Footprints
<input type="checkbox"/>	9729	24-FEB-2022	Details	Footprints
<input type="checkbox"/>	7381	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7380	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7375	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7354	10-FEB-2022	Details	Footprints
<input type="checkbox"/>	7008	08-FEB-2022	Details	Footprints

Showing 1 to 10 of 326 entries 1 row selected

Previous 1 2 3 4 5 ... 33 Next

[Delete PI](#) [Save PI PDF](#) [Generate Order](#)

Account Number: 0100700

Shipping Address

Full Name * Designation *

Department * Company Name *

Address Line 1 * Address Line 2 *

City * State *

Country * Zip Code *

Email * GSTIN

[Confirm](#)

Explore Archives PI Actions Utilities

Order Status Monitor Search ID Monitor

25 March 2022 25 March 2022

22752 [Get Orders](#)

[Submit](#)

Order Status

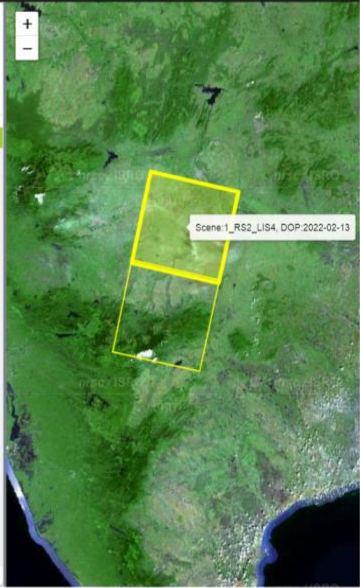
Order Placed Order Confirmed Pre Production

In Production Ready for Delivery Order Delivered

Show 20 entries

SAT	SEN	DOP	Status	Orbit	Product Code	Priority
1	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
1	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
1	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
2	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
2	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6
2	RS2	LIS4	2022-02-13	CONFIRMED	56152	ST000010D 6

Showing 1 to 6 of 6 entries Previous 1 Next



Scene: 1_RS2_LIS4, DOP:2022-02-13



Priced Data: Within 1 hour

Search-Criteria Search-Results **Cart**

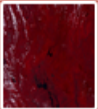
Open ₹ Priced-

26 October 2022 26 October 2022 **Get SID(s)**

Select Search ID (SID)

20221026_000022196 **Get Details**

Show 20 Filter Results

 Sat_sen: RS2_AWIF_-_S
Scene: 59760_122_59_C
Dop: 25-Oct-2022
SID: 20221026_000022196

Showing 1 to 1 of 1 entries Previous 1 Next

Select Product Specifications

Product Details for RS2_AWIF_-_S **Pricing** Indian

Product Type	ST_Standard	Dispatch Mode	FTP
Processing Level	G_Georeferenced	Datum	WGS 84
Enhancement	00_Digital	Product Res	56.0
Projection	L_Lambert Conformal Conic	Priority	Within 1 hour
Resampling	C_Cubic Convolution	No of copies	1
Format	T_GeoTIFF	Quality	Irrespective of Quality

Cost

Cost type	scene (Rs)	Unit Rate	
No of scenes	1	1120.00	
Priority Charges	560.00	IGST / CGST / SGST	0.0 / 0.0 / 0.0

Order Status Monitoring

Utilities

Order Status Monitor

01 September 2022 25 October 2022
 59762

Order Status



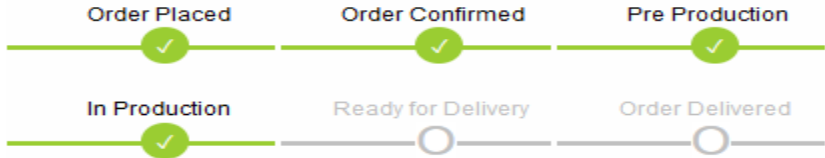
Show 20 Search:

	SAT	SEN	DOP	Status	Orbit	Product Code	Priority
1	RS2	LIS3	2022-09-29	DISPATCHED	59391	STUC00GTD 6	
2	RS2	LIS3	2022-09-29	DISPATCHED	59391	STUC00GTD 6	

Order Status Monitor

01 September 2022 25 October 2022
 66355

Order Status



Show 20 Search:

	SAT	SEN	DOP	Status	Orbit	Product Code	Priority
1	P5	PAN	2015-11-20	UNDER PROCESS		G4GC006TV 0	
2	P5	PAN	2015-11-20	UNDER PROCESS		G4GC006TV 0	

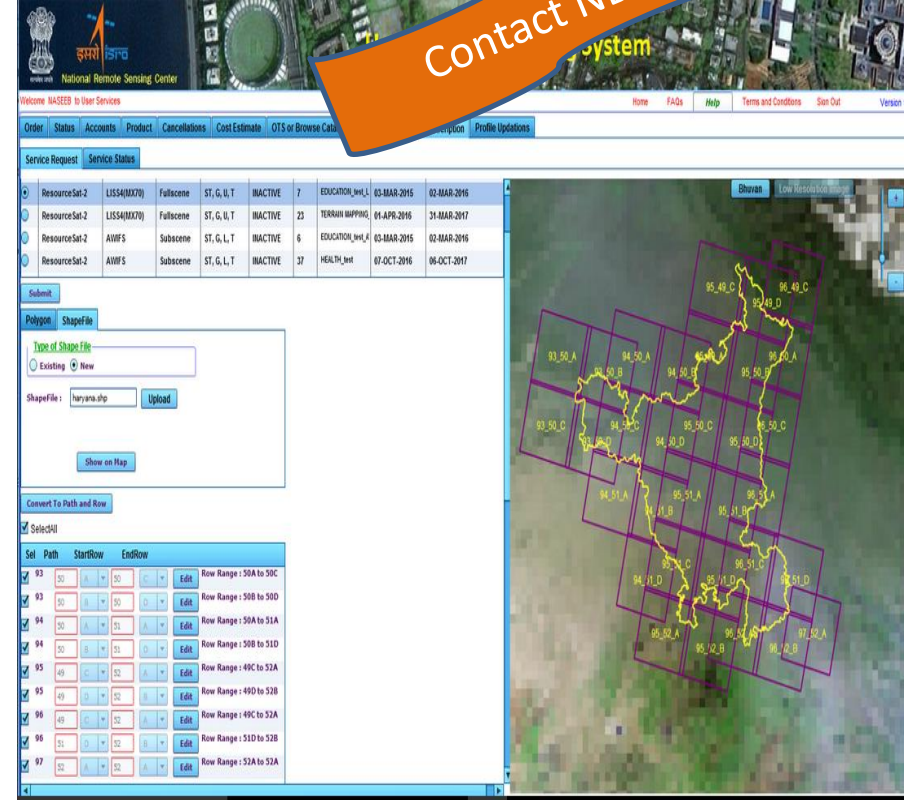
Subscription Requests

Contact NDC

Subscription Service :

India being a tropical country, at times 4-6 months in a year is cloudy over large areas. However, the data with partial cloud cover can be used for generation of time composites. Keeping this in view and to provide continuous (fresh acquisitions) and layered data, subscription service can be considered for current IRS satellites sensors which collects data with fixed path-row / systematic collection options i.e. Oceansat Ocean Color Monitor - Local Area Coverage, Resourcesat AWIFS / LISS-III / LISS-IV Cartosat-1and RISAT-1 data and similar succeeding missions with the following terms:

- Provide necessary data, irrespective of cloud cover, through subscription service, by entering into a yearly agreement.
- Basic unit of data request could be a region (covering in excess of 10,000sq.km)/State/Entire country. The price for such subscription may be
 - 25% of the user category price for OCM, AWIFS and LISS-III data
 - 50% of the user category price for LISS-IV, RISAT-1 and Carto-1 data.
- Whenever NRSC is not able to supply the total data of basic unit of request as defined above, due to technical difficulties, NRSC may charge only for the data supplied on a pro-rata basis.



The screenshot shows the National Remote Sensing Center (NRSC) NDC system interface. It includes a header with the ISRO logo and navigation links. The main content area displays a 'Service Request' table with columns for ResourceSat-2, Sensor (LISS-III, AWIFS), Coverage (Fullscene, Subscene), Path (ST, G, L, T), Status (INACTIVE), and Dates. Below the table is a 'Shapefile' upload section with options for 'Existing' or 'New' and a 'Show on Map' button. At the bottom, there is a 'Convert To Path and Row' section with a 'Select' table showing path and row ranges for various sensor configurations.

ResourceSat-2	Sensor	Coverage	Path	Status	Category	Start Date	End Date
ResourceSat-2	LISS-III(XYZ)	Fullscene	ST, G, L, T	INACTIVE	7	EDUCATION_IHL_03-MAR-2016	03-MAR-2016
ResourceSat-2	LISS-III(XYZ)	Fullscene	ST, G, L, T	INACTIVE	23	TERRAIN_MAPPING_01-APR-2016	31-MAR-2017
ResourceSat-2	AWIFS	Subscene	ST, G, L, T	INACTIVE	6	EDUCATION_IHL_03-MAR-2016	02-MAR-2016
ResourceSat-2	AWIFS	Subscene	ST, G, L, T	INACTIVE	37	HEALTH_IHL_07-OCT-2016	06-OCT-2017

Dissemination Mechanisms

- Direct HTTPS based download through web portal for free data products
 - Instant Downloads for latest data
 - Delayed downloads for older data
- API based downloads for automation at user's end
- Media/FTP based dissemination for priced data products


Help Documents and Videos

- Detailed documents and help videos available at:
<https://bhoonidhi.nrsc.gov.in/bhoonidhi/htmls/help.html>




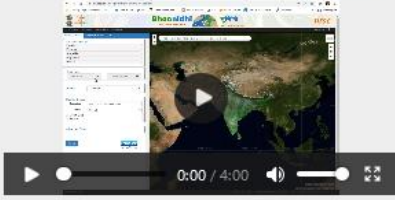



Bhoonidhi
ISRO's EO Data HUB



भूनिधि
इसरो ईओ डाटा हब















Help Documents		Help Videos		
Title	Description			
LandSat Products Description	User Guide to the Landsat MSS, TM and ETM+ archives			
Sentinel 1 Product Specification	Sentinel 1A/1B Product Specification Document			
Sentinel 2 Product Specification	Sentinel 2A/2B Product Specification Document			
NovaSAR Product Release Note	NovaSar Product Release Note - March 2021			
NRSC Satellite Data Ordering	NRSC Satellite Data Ordering Migration from UOPS to Bhoonidhi			
SFTP Products Download Help	SFTP Enabled Satellite Data Download Procedure			
Bhoonidhi User Manual	Bhoonidhi User Guide			
NovaSAR Product Format Document	NovaSAR Product Format Document			

Users' Feedback

Bhoonidhi Survey

Dear B.PURNA KUMARI , Your inputs are valuable to us, specify your usage

<input type="checkbox"/> Environment Security and Bio-Resources  Forest cover and type mapping Desertification status mapping Coast mangrov Coral Related	<input type="checkbox"/> Water Security  Irrigation infrastructure assessment Water resource information system Snow melt run-off estimation Reservoir capacity evaluation
<input type="checkbox"/> Cartography  Satellite based topo-map updation Digital Elevation Model Large scale mapping Digital Elevation Model	<input type="checkbox"/> Disaster Management Support  Floo cyclo droug landsl earthquake and forest fire
<input type="checkbox"/> Geology and Mineral Resources  Landslide hazard zonation Mineral /oil explorati mining areas	<input type="checkbox"/> Climate Change Studies  Mapping the indicatio monitoring the agents and modelling the i Characterization of climate variables Methane emission and Timberline study
<input type="checkbox"/> Ocean and Meteorology  Ocean status forecast Storm surge modelling Tropical cyclone and mesoscale studies Ocean primary productivity	<input type="checkbox"/> Image processing Algorithms  Data mining algorithms Time series analysis Radiometric anomaly characterization Geometric Data quality characterization
<input type="checkbox"/> Rural Development  Drinking Water mission Wasteland mapping/updation watershed development and monitoring	<input type="checkbox"/> Interested in collaborative project  Multi-spectral data compression Spatial database management and data mi Design and development of Calibration sit Automated Data Quality Assessment techn Information fusion methods for multi-sens
<input type="checkbox"/> Urban Development  Urban sprawl mapping of major cities Master / structure plans Comprehensive development plans of sele Base map generation for towns	<input type="checkbox"/> Food Security  Saline/sodic soils mapping Crop production Monitoring and forecast Agro-Met services surveillance

Submit

- Application Usability - Once for every session
- General Feedback on Performance, Navigation, User Friendliness, Suggestions, etc
- Write to us at bhoonidhi@nrsc.gov.in

FeedBack Form

Name *

Please enter your Name *

Mobile *

Please enter your mobile

Email *

Please enter your email *

Please rate our application



Any Suggestion *

Message for me *

THANK YOU

Please provide your valuable
feedback on

<https://bhoonidhi.nrsc.gov.in>