



National Aeronautics and  
Space Administration

# NASA earth

## Commercial SmallSat Data Acquisition (CSDA) Program Webinar Series – Vendor Focus – Maxar

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## CSDA Program Mission

*Identify, evaluate, and acquire commercial satellite data that support NASA's Earth science research & application goals.*

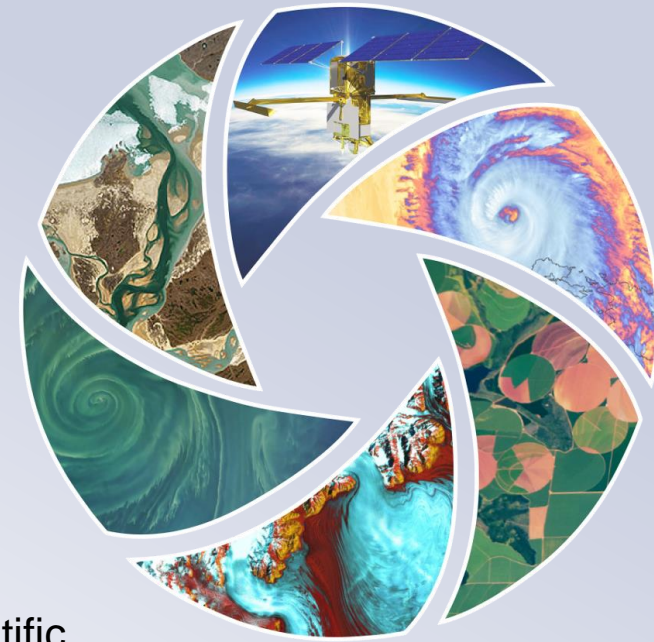
## CSDA Program Goals

- Establish a continuous and repeatable process to on-ramp new commercial data vendors.
- Enable sustained use of purchased data for broader use and dissemination by NASA scientific community.
- Ensure long-term data preservation, access and distribution of purchased data and long-term access for scientific reproducibility.
- Coordinate with other US Government agencies and international partners on the evaluation and scientific use of commercial data.
- Compliance with 2003 US Commercial Remote Sensing Policy

**NASA's CSDA program introduction webinar held on August 28, Check out the recording at: <https://lnkd.in/eB4aV5Z5>**

[Commercial Smallsat Data Acquisition \(CSDA\) Program | Earthdata \(nasa.gov\)](https://www.earthdata.nasa.gov/esds/csda/commercial-datasets)

<https://www.earthdata.nasa.gov/esds/csda/commercial-datasets>



# IDIQ On-ramp 1 Award

- Contract Type: Multiple Award, Indefinite Delivery Indefinite Quantity (IDIQ), Fixed-Price Contract
- CSDA Program Indefinite Delivery Indefinite Quantity (IDIQ) On-Ramp 1 - Request for Proposals (RFP), closed March 25, 2024
- Under IDIQ, NASA only buys what it needs through competitive task orders; fair and consistent process.
- On **Sept 6, 2024**, NASA awarded **8** new vendors under the IDIQ contract on-ramp 1:
  - BlackSky Geospatial Solutions, Inc. in Herndon, Virginia (Multispectral)
  - ICEYE US Inc. in Irvine, California (SAR)
  - MDA Geospatial Service Inc. in Richmond, British Columbia, Canada (SAR)
  - Pixxel Space Technologies, Inc in El Segundo, California (Hyperspectral)
  - Planet Labs Federal, Inc. in Arlington, Virginia (optical, Multispectral (RGB, NIR) | Surface Reflectance (SR) and Top of Atmosphere (TOA) Radiance; Basic and orthorectified)
  - Satellogic Federal, LLC in Davidson, North Carolina (Multispectral)
  - Teledyne Brown Engineering, Inc. in Huntsville, Alabama (Hyperspectral)
  - The Tomorrow Companies Inc. in Boston (Precipitation Radar)
- The period of performance is through Nov 15, 2028.
- This awards builds up on the previously awarded 7 vendors: Airbus, Capella Space, GHGSat, Maxar, PlanetIQ, Spire and Umbra.



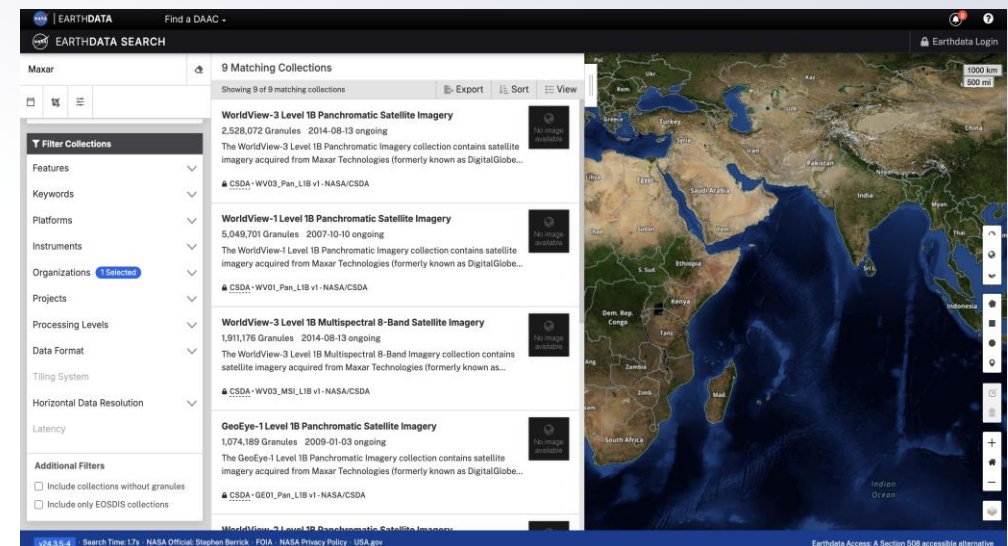
# Maxar Contract and Data Access

- CSDA began migrating and archiving NASA's Maxar holdings in the cloud in 2020
- Existing data and EULA
  - Maxar data have been acquired under the NextView and Electro-Optical Commercial Layer (EOCL) EULAs
  - Data that were acquired are available now through the CSDA Earthdata Search Client interface
  - If you qualify for data access under our EULA, you can get authorization through the CSDA website: <https://csdap.earthdata.nasa.gov/signup>
- As part of the initial IDIQ October 2023, Maxar was awarded an IDIQ contract
  - Enables them to compete on competitive task orders
- CSDA has executed a recent task order to acquire Maxar's 3D data for evaluation.

## Earthdata Search Client:

Web interface for central search, discovery, and distribution of NASA Earth science data

<https://search.earthdata.nasa.gov>



# Maxar

## Optical Imagery

### Available Products

- IKONOS, GeoEye, QuickBird, Worldview 1-4
  - Full unclassified archive
  - Accessed by request:

### Processing

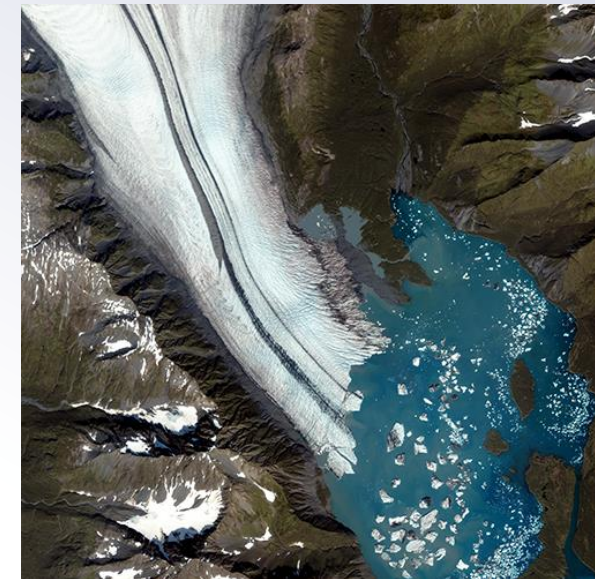
- Surface and Top of Atmosphere

Public use of data is subject to approval:

<https://csdap.earthdata.nasa.gov/signup/maxar/data-public-use-form/>

<https://www.earthdata.nasa.gov/esds/csda/csda-vendor-maxar>

<b>Constellation / Product</b>	Worldview 1-4, GeoEye-1, QuickBird, IKONOS
<b>Product Type</b>	Multispectral, Panchromatic
<b>Processing Levels</b>	Surface reflectance (SR) and Top-of-atmosphere (TOA) Un-projected, projected, and orthorectified
<b>Availability Dates</b>	10/24/1999 - Present
<b>Spatial Resolution</b>	0.31 - 4.0 m
<b>Number of Approved Users</b>	257
<b>Volume Archived</b>	13.4 PB



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# CSDA Data Holdings

Access through CSDA Website:

<https://www.earthdata.nasa.gov/esds/csda/commercial-datasets>

Vendor	Data Available	Date Range	Who is authorized to use the data	Scientific use only	Where to get archived data	EULA
Planet	PlanetScope	6/29/2014-Present	U.S. Federal civil agencies (including NSF) and their funded researchers	Yes	<a href="#">Planet Explorer</a>	<a href="#">Planet Expanded EULA</a>
	RapidEye	2/1/2009-12/31/2019				
	SkySat	3/10/2015-12/12/2019			<a href="#">SDX</a>	
Maxar (formerly DigitalGlobe)	WorldView 1	09/18/2007-Present	NASA (funded) researchers	Yes	<a href="#">CSDA data team</a>	<a href="#">Commercial Data/Imagery EULAs Fact Sheet</a>
	WorldView 2	10/8/2009-Present				
	WorldView 3	8/13/2014-Present				
	GeoEye-1	9/6/2008-Present				<a href="#">NextView License</a>
	QuickBird	10/18/2001-1/27/2015				
	IKONOS	10/24/1999-3/31/2015				
	WorldView 4	12/1/2016- 1/7/2019		<a href="#">Maxar EULA</a>		
BlackSky	Spaceview-24	11/29/2018- 07/31/2023	U.S. Government (funded) researchers	Yes	<a href="#">SDX</a>	<a href="#">USG EULA</a>
GHGSat	Methane Abundance and Emission Rates	06/01/2016- 04/31/2024	U.S. Government (funded) researchers	Yes	<a href="#">SDX</a>	<a href="#">USG EULA</a>
Teledyne Brown Engineering, Inc.	DESI	11/21/2018- 05/31/2024	U.S. Government (funded) researchers	Yes	For available archived data contact: <a href="mailto:support-csda@earthdata.nasa.gov">support-csda@earthdata.nasa.gov</a>	<a href="#">DESI EULA</a>
Polar Geospatial Center	EarthDEM		U.S. Government (funded) researchers	N/A For further information contact <a href="mailto:pgc-support@umn.edu">pgc-support@umn.edu</a>	<a href="#">SDX</a>	<a href="#">Commercial Data/Imagery EULAs Fact Sheet</a>

Vendor	Data Available	Date Range	Who is authorized to use the data	Scientific use only	Where to get archived data	EULA
Airbus DS Geo Inc	TerraSAR-X	11/19/2007-11/25/2022	U.S. Government (funded) researchers	Yes	<a href="#">SDX</a>	<a href="#">Airbus U.S. USG EULA.</a>
	TanDEM-X	2/3/2011-11/4/2022				
	PAZ	9/20/2018-10/2/2022				
Spire	GNSS Radio Occultation	9/24/2018 - 12/9/2018; 12/14/2018 - 3/8/2019; 11/1/2019-Present	U.S. Government (funded) researchers	Yes	<a href="#">SDX</a>	<a href="#">Spire USG EULA</a>
	GNSS Grazing Angle Reflectometry	1/9/2019-4/18/2019; 11/1/2019-Present				
	GNSS Grazing Angle Reflectometry Sea Ice	3/1/2020-Present				
	GNSS Grazing Angle Reflectometry Altimetry	6/16/2020-Present				
	GNSS-R Level-1 Bistatic RCS	5/1/2021-Present				
	Ionospheric Profiles	11/1/2019-Present				
	Magnetometer	11/1/2019-Present				
	Raw Radio Occultation	6/17/2020-9/8/2020				
	Satellite Precise Orbital Determination (POD) and Satellite Attitude	9/24/2018-4/18/2019; 11/1/2019 -Present				
	Scintillation	11/1/2019-Present				
	Total Electron Content	11/1/2019-Present				
	Ocean Winds and MSS	5/1/2021-Present				



# Maxar



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