# ICESat-2 Quick Looks


**Advanced Topographic Laser Altimeter System (ATLAS)** measures the travel times of laser pulses to calculate the distance between the spacecraft and Earth's surface.

- Operating since 1 Oct 2018
- 19 standard mission data products
- Data available ~45 days after observation

**Quick Looks provide expeditated data**

- Available ~72 hours after observation
- Remain available until the final, standard data is available
- Based on less precise satellite position information
- Larger geolocation uncertainties (up to 100 m) and additional uncertainties in the retrieval of surface height

**Quick Look Products**

- Sea ice elevation (ATL07QL)
- Land and vegetation height (ATL08QL)
- Atmospheric backscatter and layer characteristics (ATL09QL)
- Sea ice freeboard (ATL10QL)
- Inland surface water elevation (ATL13QL)

Amanda Leon, NSIDC DAAC Manager Amanda.leon@colorado.edu

# ICESat-2 Quick Looks

**Access is available from the NSIDC DAAC**

nsidc@nsidc.org

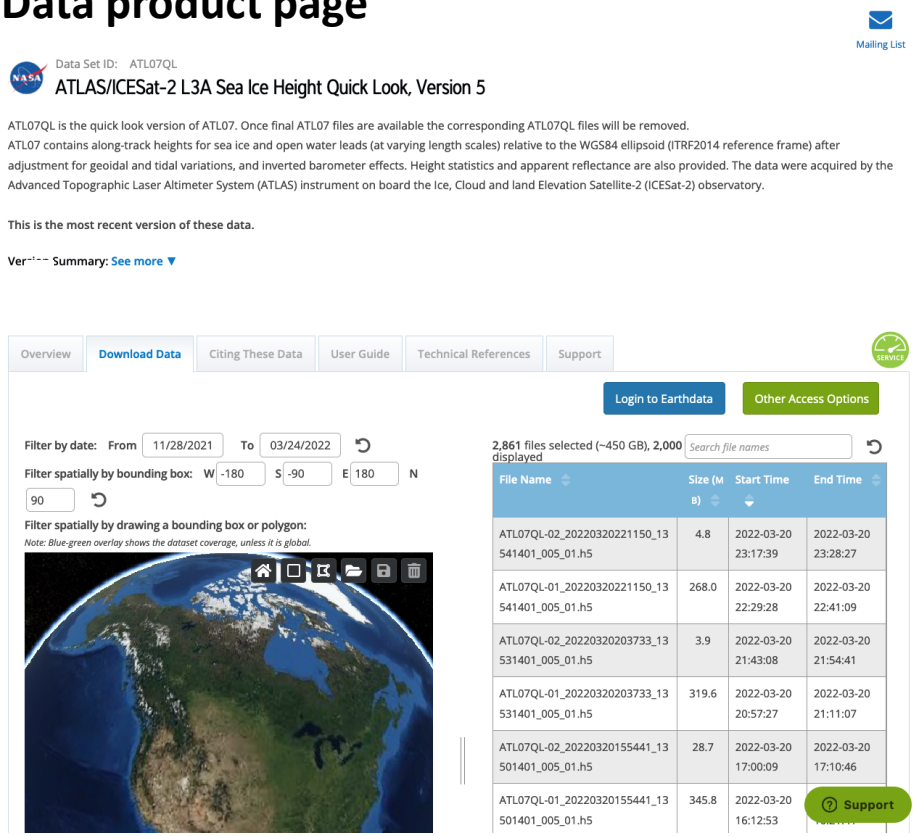
https://nsidc.org/data/icesat-2/data-sets

## List of all ICESat-2 data products

Current Version | Previous Version | Related Data

| ID | Title | Spatial Coverage | Temporal Coverage | Spatial Resolution | Temporal Resolution | Parameter(s) |
|---|---|---|---|---|---|---|
| ATL02 | ATLAS/ICESat-2 L1B Converted Telemetry Data, Version 5 | GLOBAL | 2018/10/13 to present | Not applicable | Not applicable | Engineering Telemetry Ancillary Data |
| ATL03 | ATLAS/ICESat-2 L2A Global Geolocated Photon Data, Version 5 | GLOBAL | 2018/10/13 to present | 70 cm | 91 day | TERRAIN ELEVATION |
| ATL04 | ATLAS/ICESat-2 L2A Normalized Relative Backscatter Profiles, Version 5 | GLOBAL | 2018/10/13 to present | 280 m | 91 day | LIDAR BACKSCATTER |
| ATL06 | ATLAS/ICESat-2 L3A Land Ice Height, Version 5 | GLOBAL | 2018/10/14 to present | 20 m | 91 day | GLACIER ELEVATION/ICE SHEET ELEVATION |
| ATL07 | ATLAS/ICESat-2 L3A Sea Ice Height, Version 5 | SOUTHERN HEMISPHERE NORTHERN HEMISPHERE | 2018/10/14 to present | Varies | 91 day | SEA ICE ELEVATION |
| ATL07QL | ATLAS/ICESat-2 L3A Sea Ice Height Quick | SOUTHERN HEMISPHERE NORTHERN | 2021/11/28 to present | Varies | 91 day | SEA ICE ELEVATION |

## Data product page




- Download data
- Access the user guide
- Subscribe to mailing
- Obtain data citation (DOI)
- Get support