

Sea Ice: Brief Introduction to satellite data

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Onedrive Data share link:

https://scottishmarineinstitute-my.sharepoint.com/personal/aa01ph_sams_ac_uk/_layouts/15/guestaccess.aspx?folderid=03259ea9d151c46beb777ab818cbc05f3&authkey=AZgGG008R14624QWvSnqI

CAO_Satellite_Data_Share

Data sets

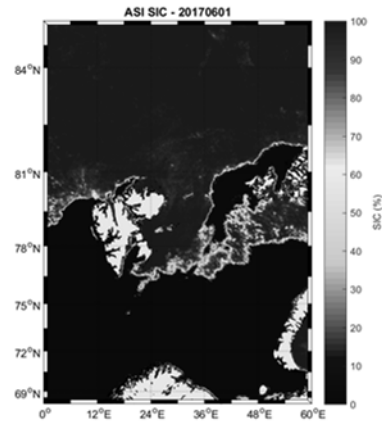
Name	Modified	Sharing	Modified By
ASI_SIC_PRIZE	September 12	Shared	Phil Hwang
MUR_SST	September 12	Shared	Phil Hwang
OSI_SAF	September 12	Shared	Phil Hwang
S1	September 12	Shared	Phil Hwang
read_me_for_ASI_SIC_PRIZE.docx	September 12	Shared	Phil Hwang
read_me_for_MUR_SST.docx	September 12	Shared	Phil Hwang
read_me_for_OSI_SAF_Ice_con.docx	September 12	Shared	Phil Hwang
read_me_for_OSI_SAF_Ice_drift_lr.docx	September 12	Shared	Phil Hwang
read_me_for_OSI_SAF_Ice_edge.docx	September 12	Shared	Phil Hwang
read_me_for_OSI_SAF_Ice_type.docx	September 12	Shared	Phil Hwang
read_me_for_S1_SAR.docx	September 12	Shared	Phil Hwang

Standard products

Focused products

ASI_SIC_PRIZE

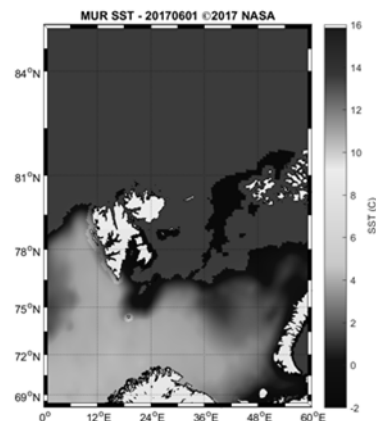
- **ASI Sea Ice Concentration data**
- Best spatial resolution @ 3.125 km
- Quick view in *.png format
- Data in *.mat format



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MUR_SST

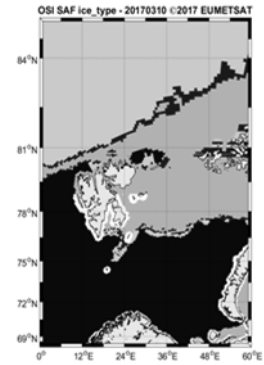
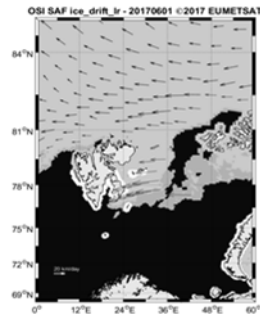
- **Multi-scale Ultra-high Resolution Sea Surface Temperature data**
- Best spatial resolution @ 0.01° (~1 km or less)
- Quick view in *.png format
- Data in *.mat format



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OSI SAF products

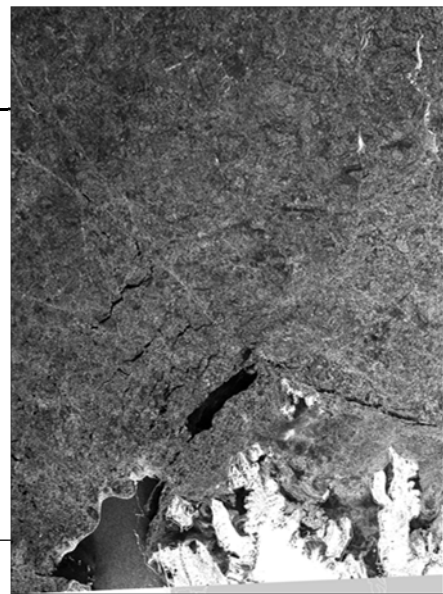
- ~~Ice concentraion, ice edge and ice type @ 10 km grid resolution~~
- ~~Ice drift (motion) @ 62.5 km grid resolution~~



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Sentinel-1 SAR data at the planned mooring sites

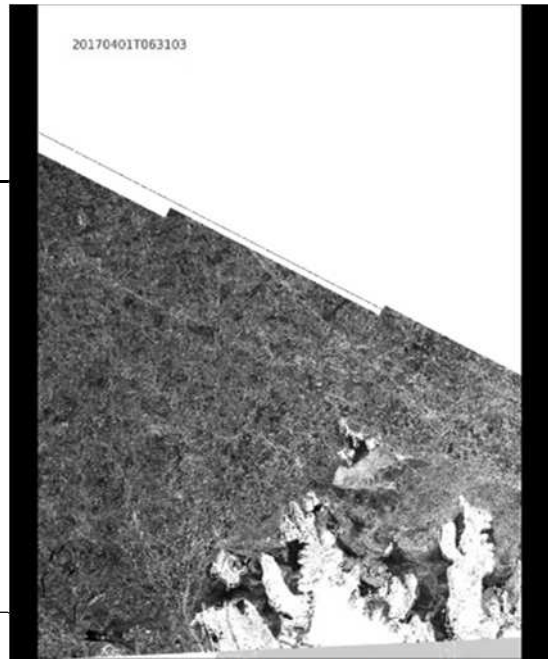
- ~~Detailed ice condition @ 10 m pixel resolution~~
- Leads/cracks, polynyas, dynamics



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April 1 to July 31, 2017

- ~Daily Sentinel-1 image at a planned mooring site



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