AMSRR2 – Sea Ice Cover

- based on AMSR2
- Updated every day
- 6.25 km resolution
- GeoTiff, hdf, jpeg

http://www.iup.uni-bremen.de:8084/amsr2/
Drift and Noise – Polar Service

- Also based on AMSR2
- 6.25 km resolution
- Up to 8 times per day
- GeoTiff
- Subareas
- Automated service

http://driftnoise.com/
Modis – NASA Worldview

- MODIS
- ~250 m resolution
- Daily
- Visible only
  - Clouds can cover view
  - Good for clear days
- Export GeoTiff of subareas

https://earthdata.nasa.gov/labs/worldview/
MODIS example

https://earthdata.nasa.gov/labs/worldview/
Polar View – SAR and Other Tools

- High-resolution radar images
- Sentinel-1A
- And soon Sentinel-1B
- 20-40 m resolution
- 6 days return time
AMSR2 Sea Ice Data for Track Planning

Depth / m
- High: 100
- Low: -4000.73

Ice Concentration
- 0 to 100%

Source: IBSCO v1, Etopo2, ADD6

sea ice: AMSR2 - Bremen Mar 29 2015
Sea Ice and Track Data - GIS Integration