

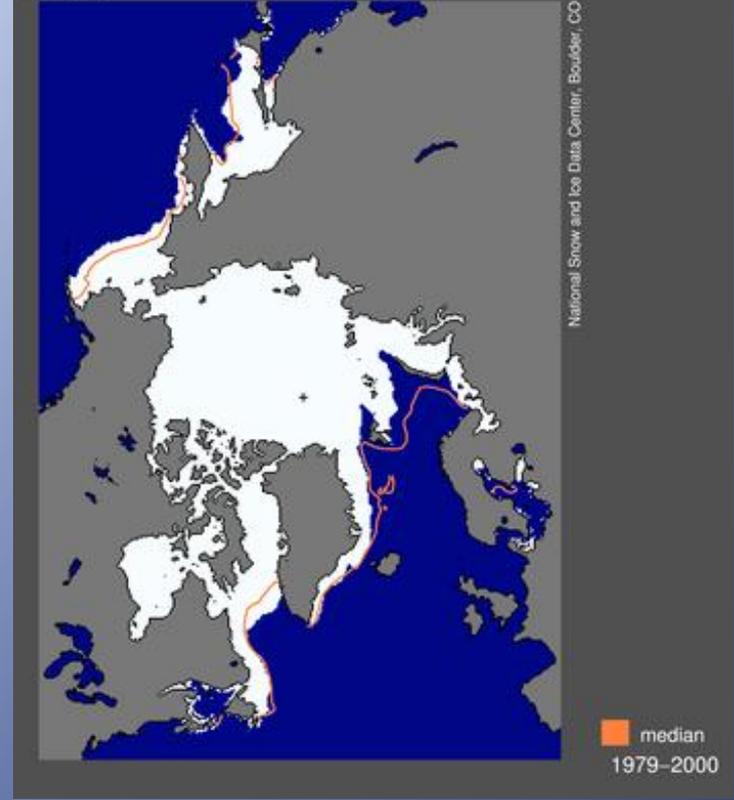
CRYOSPHERE

Forecaster Needs In Alaska





Sea Ice Extent
03/18/2012



PRODUCTS

- Sea Ice Characteristics
- SSTs
- River Ice (Monitor/Detect)
- Snow Cover/Depth
- Surface Temperature and Moisture (Permafrost)
- Vertical Temp/Humidity Profiles
- Glaciers (Temp/Extent) (Climate)
- Ocean color/Chlorophyll (Ecosystem Support)
- Vegetation Index (Climate/Ecosystem Support)
- Lowlight Visibility

AVIATION PRODUCTS

- TURBULENCE
- ICING
- VOLCANIC ASH
- CLOUDTOP HEIGHT
- CLOUD LAYERS/HEIGHT AND THICKNESS
- VISIBILITY
- CLOUD TOP PRESSURE
- CLOUD TOP PHASE
- CONVECTIVE INITIATION
- LOW CLOUDS AND FOG
- SPACE WEATHER





SOUTHEAST ALASKA PRECIPITATION

Desired Products:

Cloud and Moisture Imagery

Cloud Optical Depth

Cloud Top Phase

Rainfall Rate/QPE

Derived Stability Indices

Cloud Ice Water Path

Cloud Liquid Water



Convective Initiation

Total Precipitable Water

Lightning Detection

Snow Cover

Snow Depth

