SEA ICE PREDICTION NETWORK (SIPN)

Regional Predictions from Global Weather and Climate Logistics

July Report (using June Data)

1. *Contributor Name(s)/Group: **Global Weather and Climate Logistics**
(www.globalweatherlogistics.com)

2. *Type of Outlook projection
___model _X__statistical ___heuristic

3. *September monthly average sea ice area anomaly projection (in million square kilometers)

Beaufort September sea ice area anomaly: -0.09 million square km anomaly
(a **decrease** from September 2013 sea ice area)

Barents September sea ice area anomaly: -0.01 million square km anomaly
(an **increase** from September 2013 sea ice area)

4. *Short explanation of Outlook method (1-3 sentences)
If this is a model contribution, please include method of method of initialization and variable used. In addition, we encourage you to submit a more detailed Outlook, including discussions of uncertainties/probabilities, including any relevant figures, imagery, and references.

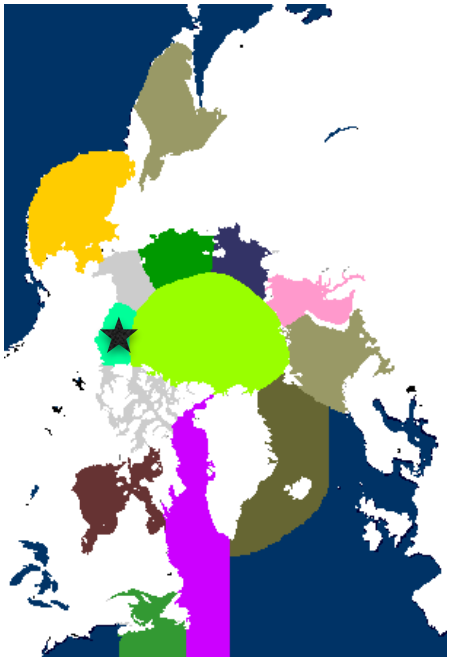
We are submitting a combination of ensembles from our Predictor Screening and Anomaly Correlation statistical forecasting approaches for two regions: (1) The Beaufort Sea (north of Alaska) and the Barents Sea (north of Norway). These two statistical models use predictors chosen specifically for each region from eleven surface and atmospheric variables. The forecast algorithms exploit information from predictors shown to have high correlations with historic regional sea ice extent to make regional, seasonal sea ice area forecasts.

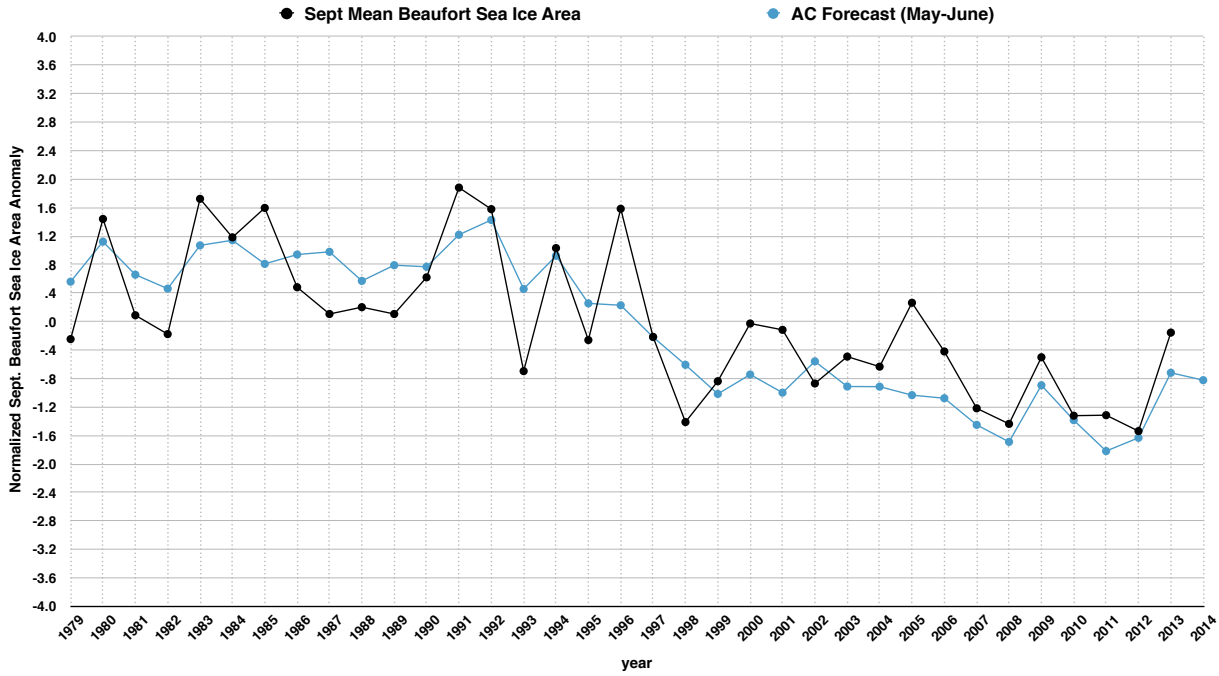
5. *Forecast discussion

Beaufort: for both the predictor screening approach and the anomaly correlation approach, Sept. 2014 projections show considerably **less** sea ice than last year (2013).

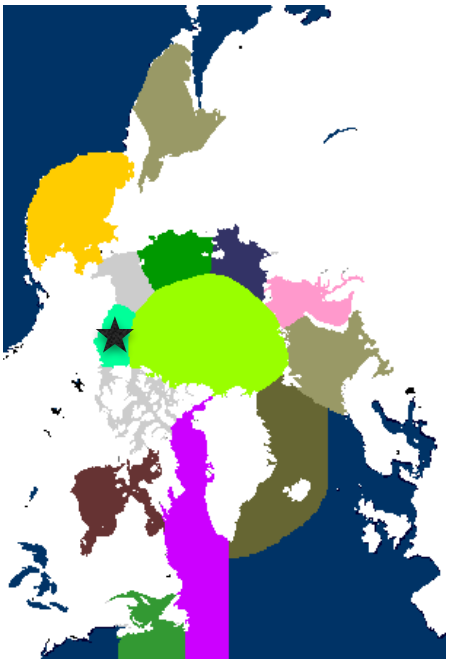
Barents: for both the predictor screening approach and the anomaly correlation approach, Sept. 2014 projections show slightly **more** sea ice than last year (2013).

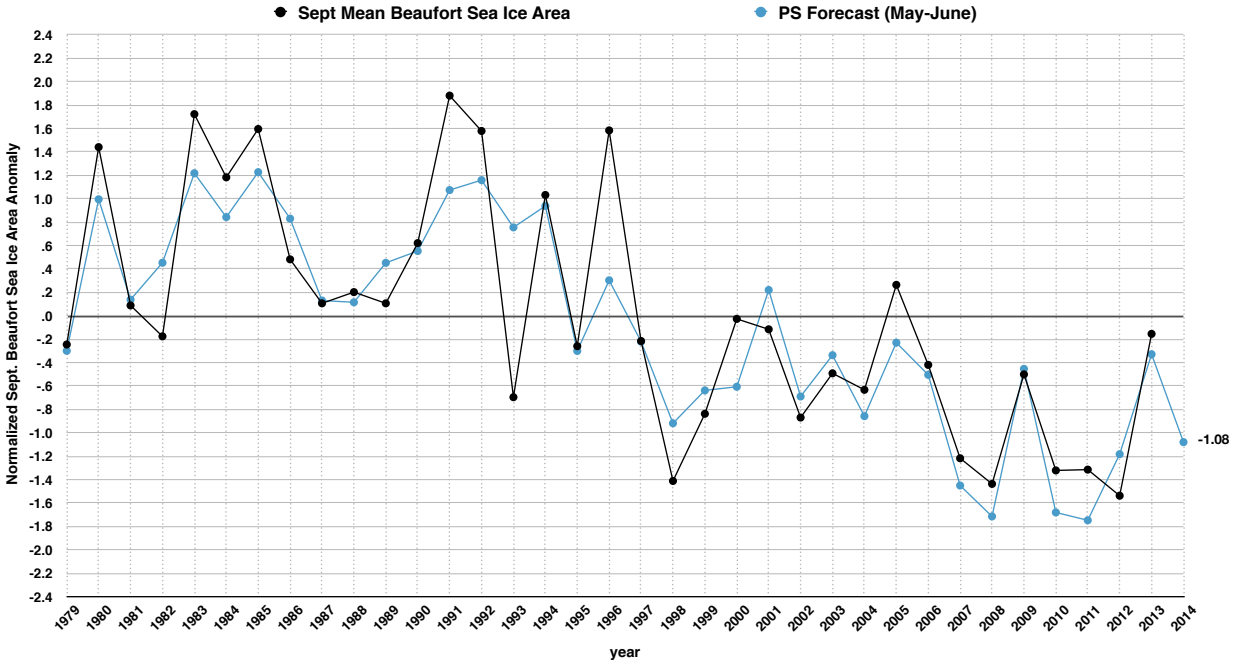
Beaufort Sea (domain shown below): *Anomaly correlation method; historical context:*



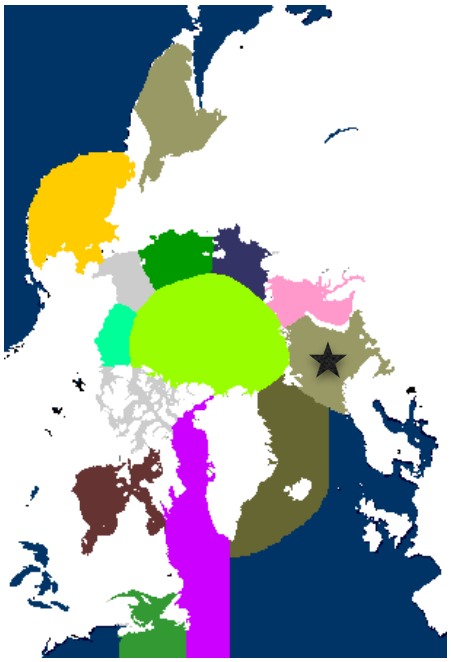


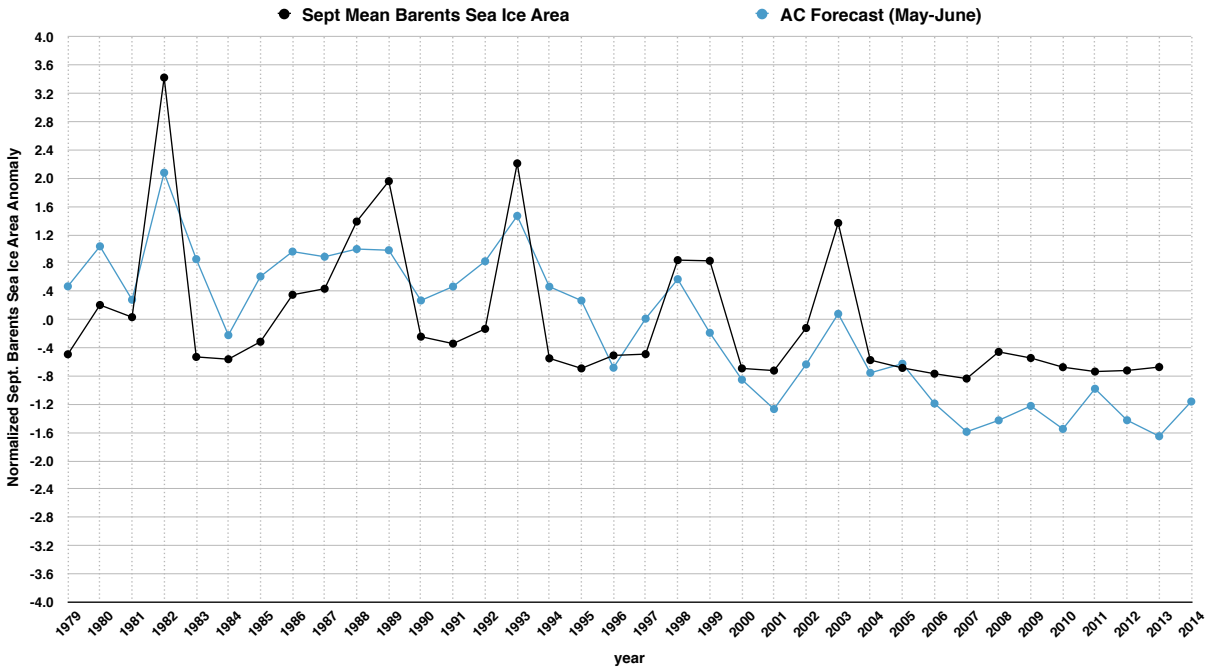
Beaufort Sea: *Predictor Screening method; historical context:*





Barents Sea (domain shown below): *Anomaly correlation method; historical context:*





Barents Sea: *Predictor Screening method; historical context:*