August Sea Ice Outlook
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Our outlook this month using the statistical method is 4.1 +/- 0.4 million sq km. This is essentially unchanged from our prediction using June data. The best predictor is still the area with less than 1.0 m of ice. Below are the predictions from the last three months as determined by five different predictors.

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              pred     rmserr      R2

; end of May
        H     4.637    0.504     0.671 mean ice
thickness
       IC     5.331    0.563     0.589 ice concentration
    G0.4m     5.380    0.487     0.692 area with less than
0.4 m ice
    G1.0m     4.890    0.419     0.772 area with less than
1.0 m ice      *** minimum error
    G1.9m     4.693    0.512     0.659 area with less than
1.9 m ice


; end of June
        H     4.275    0.438     0.751
       IC     4.529    0.470     0.714
    G0.4m     4.044    0.420     0.771
    G1.0m     4.145    0.386     0.806 *** minimum error
    G1.9m     4.376    0.451     0.735

; end of July
        H     4.151    0.403     0.789
       IC     3.952    0.454     0.733
    G0.4m     4.081    0.378     0.815
    G1.0m     4.082    0.369     0.823 *** minimum error
    G1.9m     4.175    0.399     0.793
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Predictions for September 2011 from July
From 2sst run

Observed and Predicted Ice Extent from the Sea Ice Index

Predictor: G1.0m
Prediction: 4.08 +/- 0.37
R^2 of Fit: 0.82

◇ Fit
✳ Predicted
— Observed

Correlation
Sep IE & Jul G1.0m

G1.0m Anomaly in July 2011

G1.0m Weighted Anomaly (R*X)