

**Xingren Wu, Robert Grumbine, Wanqiu Wang:
Pan Arctic August Outlook**

Estimate: 4.63 million km² with standard error of 0.22 million km²

We ran the CFS with 10 initial conditions from June 1 to June 10, 2011. These were modified from the CFS v2.0 initial conditions by thinning the ice pack by 60 cm -- the thickness which we used as a cutoff in making our 2010 SIO estimates. If this thinning resulted in sea ice to be thinner than 20 cm, a minimum thickness of 20 cm was left in place. This time we used the model's extent with 15% cut off for the sea ice concentration.