Same as June Outlook, with updated value for August:
The predicted sea ice extent range from early August initial conditions is \((5.6\pm0.25)\) million square kilometers.

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Outlook of September 2014 sea ice extent based on operational NCEP CFSv2

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1. **Arctic sea ice extent projection for September 2014**
   \((6.31\pm0.47)\times10^6\) km\(^2\)

2. **Methods/Techniques**
   The outlook is based on a CFSv2 ensemble of 40 members initialized from May 25-Jun 3, 2014. The model’s systematic bias based on previous forecasts has been removed. Forecast RMS errors, and anomaly correlation kill are estimated based on its historical forecasts for 1982-2013.

3. **Rationale**
   The CFSv2 has some skill in predicting year to year variability of September sea ice minimum extent at lead time of three months.

4. **Executive Summary**
   The projected Arctic sea ice extent from CPC based on NCEP ensemble mean CFSv2 forecast is \(6.3\times10^6\) km\(^2\) with an estimated error of \(\pm0.47\times10^6\) km\(^2\).

5. **Estimate of Forecast Skill**
   The skill estimated as the forecast correlation with observation based on retrospective forecasts for 1982-2013 is 0.78. Forecast uncertainty taken as the RMS error based on 1982-2013 retrospective forecasts is \(0.47\times10^6\) km\(^2\).