

**September 2009 Sea Ice Outlook: July Report**  
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*Extent Projection*

5 million square kilometers

*Methods/Techniques*

A diagnosis based on the analysis of remote sensing (AMSR-E and MODIS) data.

*Rationale*

Sea-Ice albedo was estimated from MODIS images. Also, AMSR-E sea-ice concentration was used for estimating sea-ice extent, which is available at:

<http://www.ijis.iarc.uaf.edu/cgi-bin/seaice-monitor.cgi?lang=e>.

Overall albedo of the arctic sea-ice in June is still high (similar level to that in 2005) compared with that in 2007. Thus, shortwave forcing in June seems not to be strong enough to melt sea-ice as seen in 2007 at this moment. The AMSR-E derived sea-ice extent is still at an average level of recent 6 years (2003-2008).

More at: [http://www.ijis.iarc.uaf.edu/en/home/seaice\\_extent.htm](http://www.ijis.iarc.uaf.edu/en/home/seaice_extent.htm).