Name of contributor or name of contributing organization:

NSIDC (Group)

Is this contribution from a person or group not affiliated with a research organization?

Name and organization for all contributors. Indicate primary contact and total number of people who may have contributed to your Outlook, even if not included on the author list.

NSIDC Group estimate - aggregate of 10 estimates from NSIDC employees

Do you want your June contribution to automatically be included in subsequent reports? (If yes, you may still update your contribution via the submission form.)

This is a new submission.

What is the type of your Outlook projection?

Heuristic

Starting in 2017 we are accepting both pan-Arctic and pan-Antarctic sea ice extent (either one or both) of the September monthly mean. As in 2016, we are also collecting Alaskan regional sea ice extent. To be consistent with the validating sea ice extent index from NSIDC, if possible, please first compute the average sea ice concentration for the month and then compute the extent as the sum of cell areas > 15%.

a) Pan-Arctic September extent prediction in million square kilometers.

4.4

b) same as in (a) but for pan-Antarctic. If your method differs substantially from that for the Arctic, please enter it as a separate submission.

c) same as in (b) but for the Alaskan region. Please also tell us maximum possible extent if every ocean cell in your region were ice covered.

"Executive summary" of your Outlook contribution (using 300 words or less) describe how and why your contribution was formulated. To the extent possible, use non-technical language.

This estimate is based on polling NSIDC employees for their estimates of the September extent. The submitted group estimate is the average of 10 individual contributions.

Brief explanation of Outlook method (using 300 words or less).

The method is to simply average 10 individual heuristic estimates.

Tell us the dataset used for your initial Sea Ice Concentration (SIC).

No specific dataset was used for initialization, but contributors were provided NSIDC Sea Ice Index extent values to inform their estimates.

Tell us the dataset used for your initial Sea Ice Thickness (SIT) used. Include name and date.

SIT was not used in this method.

If you use a dynamic model, please specify the name of the model as a whole and each component including version numbers and how the component is initialized:

Not Specified

If available from your method.
a) Uncertainty/probability estimates:

Median

Ranges

Standard Deviations

0.33 million square kilometers

b) Brief explanation/assessment of basis for the uncertainty estimate (1-2 sentences).

The uncertainty is the standard deviation of the 10 individual estimates.

c) Brief description of any post processing you have done (1-2 sentences).

None.