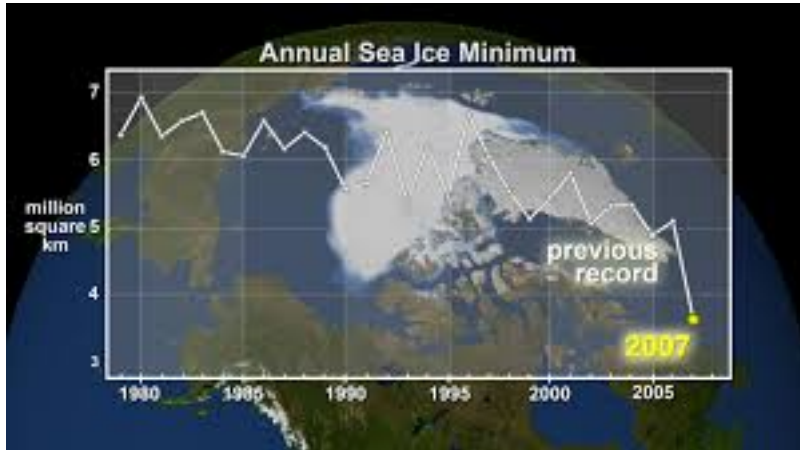


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## My NASA Data - Mini Lesson/Activity

### Exploring Sea Ice Changes Over Time



### Student Directions

Watch the [2018 Arctic Sea Ice Ties for Sixth Lowest Minimum Extent on NASA Record video](#) and answer the questions.

[Video: 2018 Arctic Sea Ice Ties for Sixth Lowest Minimum Extent on NASA Record](#)

Video

2018 Arctic Sea Ice Ties for Sixth Lowest Minimum Extent on NASA Record | <https://www.youtube.com/watch?v=pyldwDbtcGs> | Source: NASA Goddard

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## Steps:

1. Check with your instructor on how to submit your answers.
2. Describe the long-term trend that is depicted by the analysis of the polar sea ice cover for the past 40 years.
3. Describe what ICE-SAT2 measures.
4. Explain why this measurement is important.
5. How does sea ice thickness relate to the annual Arctic sea ice minimum extent?

Teachers, these mini lessons/student activities are perfect "warm up" tasks that can be used as a hook, bell ringer, exit slip, etc. They take less than a class period to complete. Learn more on the "[My NASA Data What are Mini Lessons?](#)" page.

Teachers who are interested in receiving the answer key, please complete the [Teacher Key Request and Verification Form](#). We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.

## My NASA Data Visualization Tool

- [Earth System Data Explorer](#)