

## Data Tables for Sea Ice Extent Graphing Activity

Cut this sheet into three pieces so you can hand out the data tables at appropriate times during the lessons without "giving away" what is coming next. One piece should have Data Table #1; a second piece should have Data Table #2; and a third piece should have Data Tables #3 and #4.

Data Table #1: Arctic Sea Ice Extent (millions of km <sup>2</sup> )							
	2004	2005	2006	2007	2008	2009	2010
January	14.0	13.7	13.6	13.8	14.0	14.1	13.8
February	14.9	14.4	14.4	14.5	15.0	14.8	14.6
March	15.1	14.8	14.4	14.7	15.2	15.2	15.1
April	14.1	14.1	14.0	13.9	14.5	14.6	14.7
May	12.6	13.0	12.6	13.0	13.2	13.4	13.1
June	11.5	11.4	11.1	11.5	11.4	11.5	10.9
July	9.6	9.0	8.7	8.1	9.0	8.8	8.4
August	6.8	6.3	6.5	5.3	6.0	6.3	6.0
September	6.0	5.6	5.9	4.3	4.7	5.4	4.9
October	8.5	8.5	8.3	6.8	8.4	7.5	?
November	10.6	10.5	9.9	10.1	10.6	10.3	?
December	12.7	12.5	12.3	12.4	12.5	12.5	?

Data Table #2: Antarctic Sea Ice Extent (millions of km <sup>2</sup> )							
	2004	2005	2006	2007	2008	2009	2010
January	5.8	5.0	4.3	4.9	6.8	5.8	4.9
February	3.6	3.0	2.7	2.9	3.7	2.9	3.2
March	4.8	4.5	3.5	4.1	5.5	5.0	4.0
April	7.8	7.5	6.6	6.8	8.6	8.3	7.3
May	11.0	11.0	10.2	9.5	11.5	11.4	11.5
June	14.4	14.0	13.9	13.8	14.5	14.4	15.0
July	16.7	16.7	16.5	16.4	16.6	16.6	17.2
August	18.2	18.3	18.3	18.0	17.9	18.6	18.8
September	19.1	19.2	19.3	19.2	18.5	19.1	19.2
October	18.6	18.7	18.9	18.6	18.1	18.5	?
November	16.5	16.8	16.7	16.1	16.6	16.3	?
December	11.4	10.8	10.5	12.6	12.2	11.4	?

Data Table #3: Arctic Sea Ice Extent (millions of km <sup>2</sup> )		
	March	September
1979	16.4	7.2
1980	16.1	7.8
1985	16.1	6.9
1990	15.9	6.2
1995	15.3	6.1
2000	15.3	6.3
2005	14.8	5.6
2006	14.5	5.9
2007	14.7	4.3
2008	15.2	4.7
2009	15.2	5.4
2010	15.1	4.9

Data Table #4: Antarctic Sea Ice Extent (millions of km <sup>2</sup> )		
	February	September
1979	3.1	18.4
1980	2.8	19.1
1985	2.8	19.0
1990	3.0	18.4
1995	3.5	18.7
2000	2.8	19.1
2005	3.0	19.2
2006	2.7	19.3
2007	2.9	19.2
2008	3.7	18.5
2009	2.9	19.1
2010	3.2	19.2

The source of this material is *Windows to the Universe*, at <http://windows2universe.org/> from the [National Earth Science Teachers Association](http://www.neset.org/)

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