Task 2

You are now going to obtain 6 pieces of data analyse about the Artic

Data set 1:

Go to the following website:

<http://mynasadata.larc.nasa.gov/las/UI.vm>

Click on the dataset in the top left hand corner and clicks as follows:

Atmosphere – atmospheric temperature – monthly near surface temperature (ISCCP)



Enter the following coordinates: for the region in the compass rose: LAT 50N to 78N, LONG 168W to 142W.

Change the date to June 1995

Click the update plot button

**Download a copy of your colour map or note the**

**average temperatures across this region of the Artic.**

Change the date to June 2005

**Download a copy of this second map or note the temperatures across the region.**

Data set 2:

Go back to the dataset button at the top and change it to:

Cryosphere- Monthly snow ice amount (ISCCP)

**Download the two colour maps for June 1995 and 2005**

Data set 3:

Go back to your first dataset group which showed monthly near surface temperature.

This time click on the “Time series” option to produce a line plot.

Change the coordinates to LAT 74N LONG 156W

Change the time range to June 1995 to June 2005

Update plot and a graph of temperatures will appear.

**Download a copy of this graph**

Data set 4:

Change the dataset at the top back to cryosphere –monthly

Snow amount.

Update the plot.

**Download a copy of this temperature graph**

Checklist:

A colour surface temperature map o for June 1995

A colour surface temperature map for June 2005

A colour map of snow for June 1995

A colour map of snow for June 2005

A temperature line graph for June 1995-2005

A snow line graph for June 1995-2005

