

1. GOOGLE:

IRI DATA LIBRARY

2. Click first selection

(IRI/LDEO Climate Data Library)

## **CALCULATE MONTHLY SST**

3. Type SST in the search bar

4. Select first link at top

([data: NOAA NCEP EMC CMB GLOBAL Reyn SmithOlv2 monthly sst](#))

5. Click Data Selection from top tab

6. Enter your month and year (Dec 1997)

7. Select “Restrict Ranges”

8. Select “Stop Selecting”

9. Click “Views” from top tab

10. Select “colors with land”

# MONTHLY CLIMOTOLOGY

1. Follow BLUE SLIDES , but after step 4 do below:
2. click on the green oval that says “monthly”
3. Click on “sea surface temperature”
4. Click on the above tab that says, “Data Filters”
5. Click on “Monthly Climatology”
6. Click on “Data Selection” from top tab
7. Enter month at Time row
8. Click “Restrict Ranges”
9. Click “Stop Selecting”
10. Click on the above tab that says, “Views”
11. Click the “colors with land” option
12. Adjust the color scale to match the scale from the monthly SST

## MONTHLY ANOMALY

1. Follow blue slides, but after step 4, click on the green oval near the top called “monthly”
2. Click on “sea surface temperature anomaly”
3. Now resume with step 5 from blue slides.

# ASSIGNMENT

Select a month between Nov 1981 and Sept 2018

Describe why you selected that month

Map: 1) monthly SST, 2) matching monthly climatology, 3) monthly SST anomaly

Describe:

- a) each map (features? Interesting parts?)
- b) how are SST anomalies calculated, why are they important?
- c) interpret your anomaly map

Put in a document (word, pdf, ppt, etc) and email maps and discussion in one single document. (teddyallen@yahoo.com)

KNOW

A) how to adjust color scales.

B) How to change regional extent