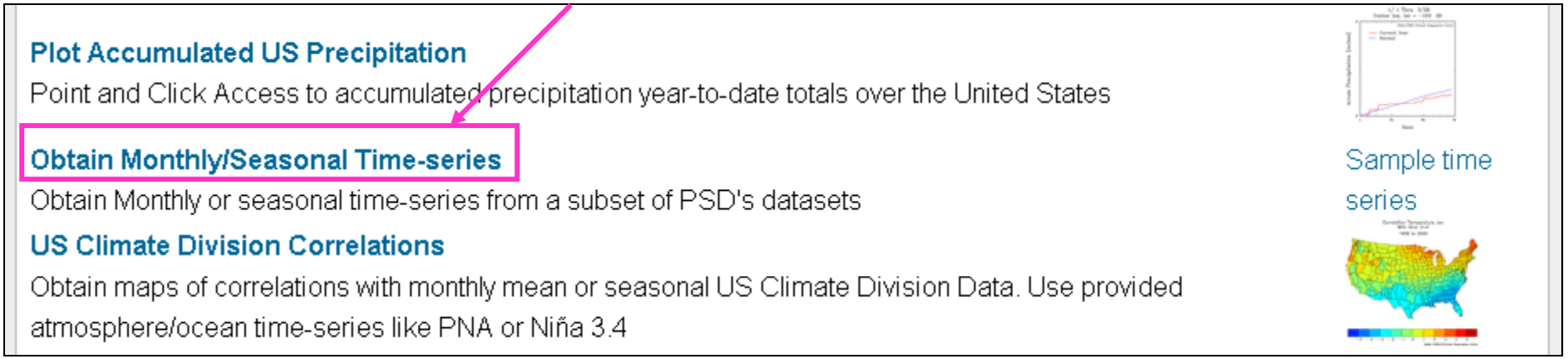
1) Create a Climate Division Time Series

1. Go to the ESRL PSD Interactive Plotting and Analysis Pages
   http://www.esrl.noaa.gov/psd/cgi-bin/data/getpage.pl
2. Find the “Obtain Monthly/Seasonal Time-series” Link, then

Click here to go to the time series page

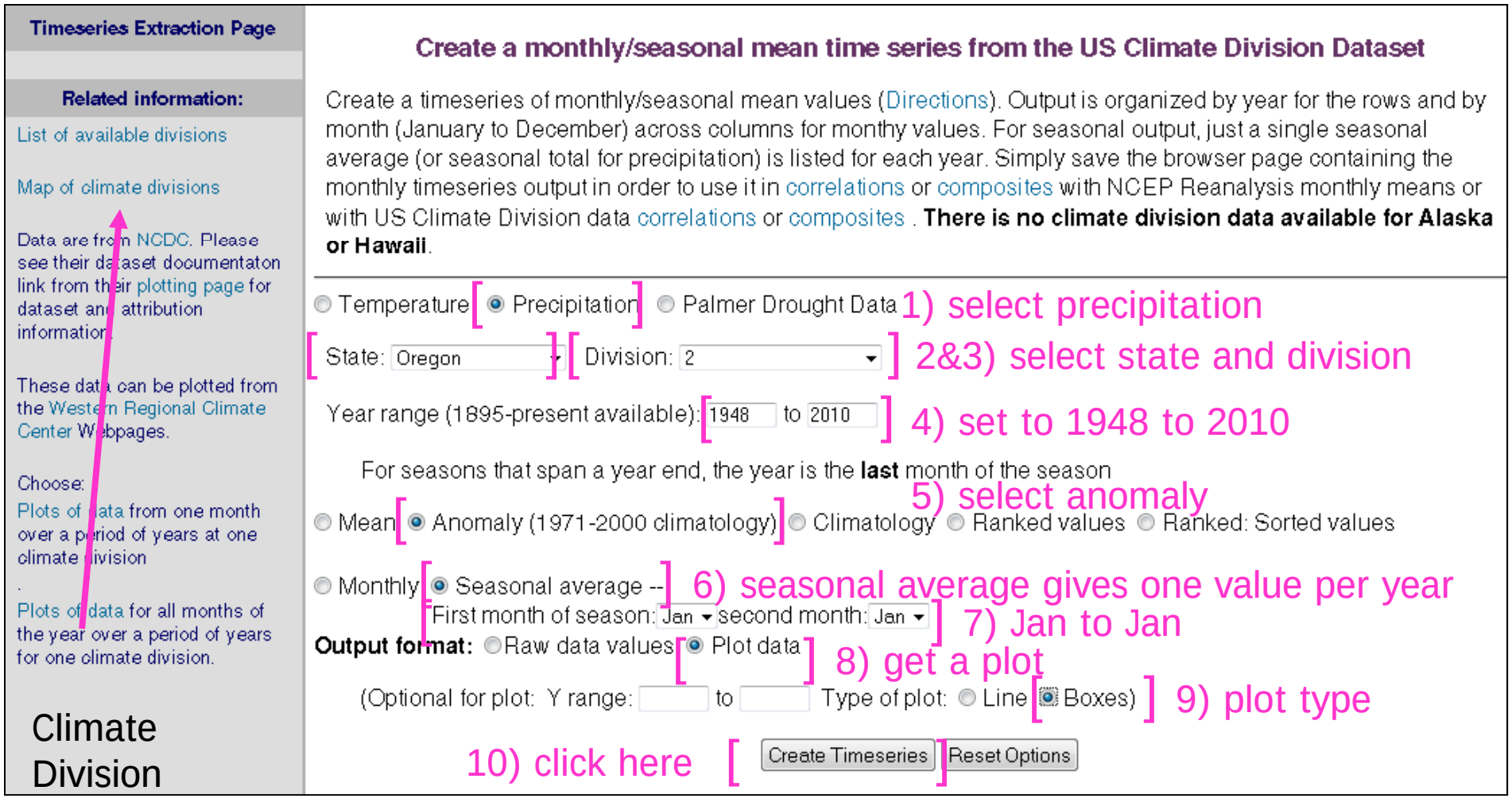


3. Or, go to the time series page directly at:
   http://www.esrl.noaa.gov/psd/data/timeseries/

Select a data set

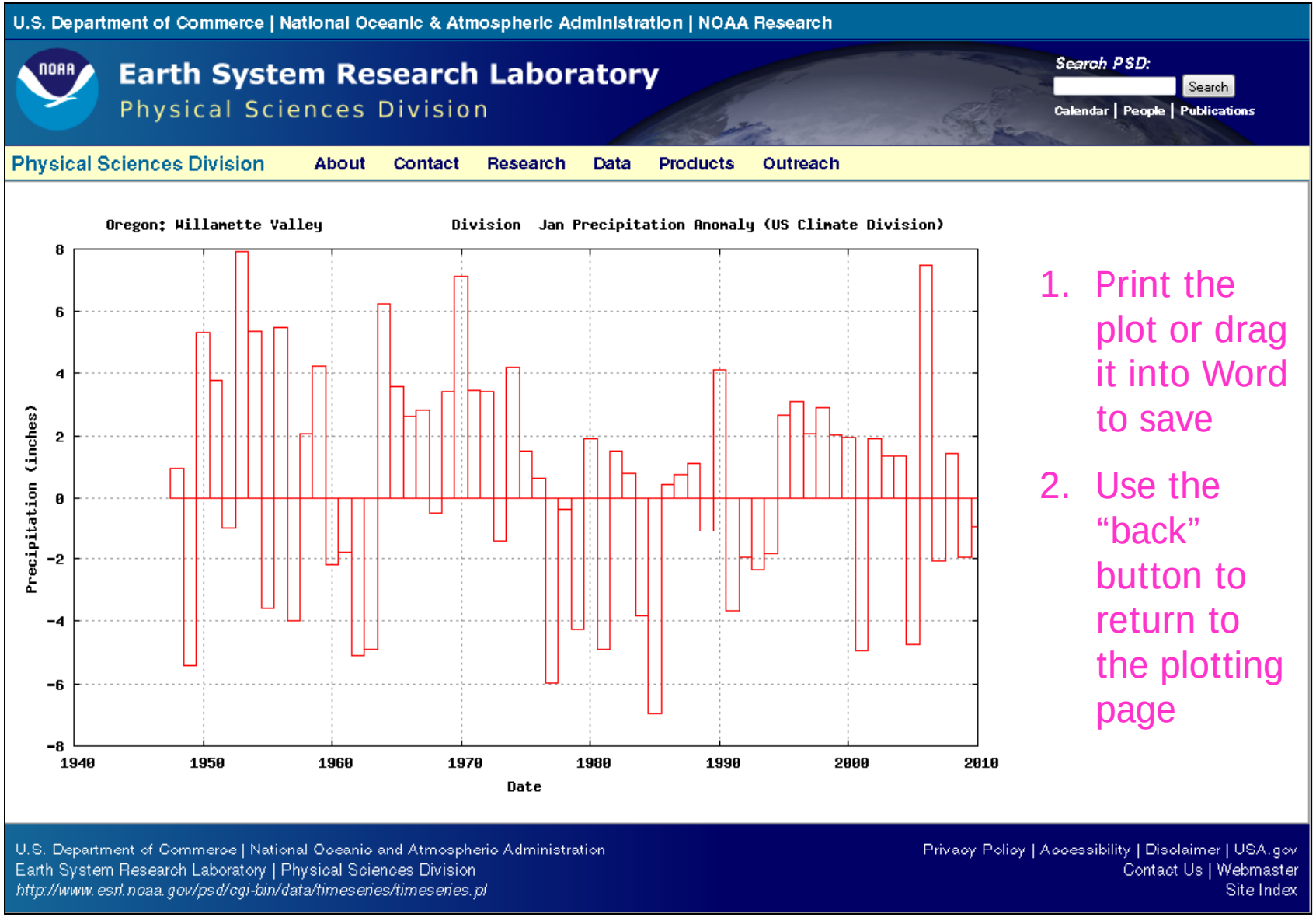
Plot the January averages for Oregon Division 2

Things to check or change: [ ]



Climate Division Maps:
http://www.esrl.noaa.gov/psd/data/usclimate/map.html

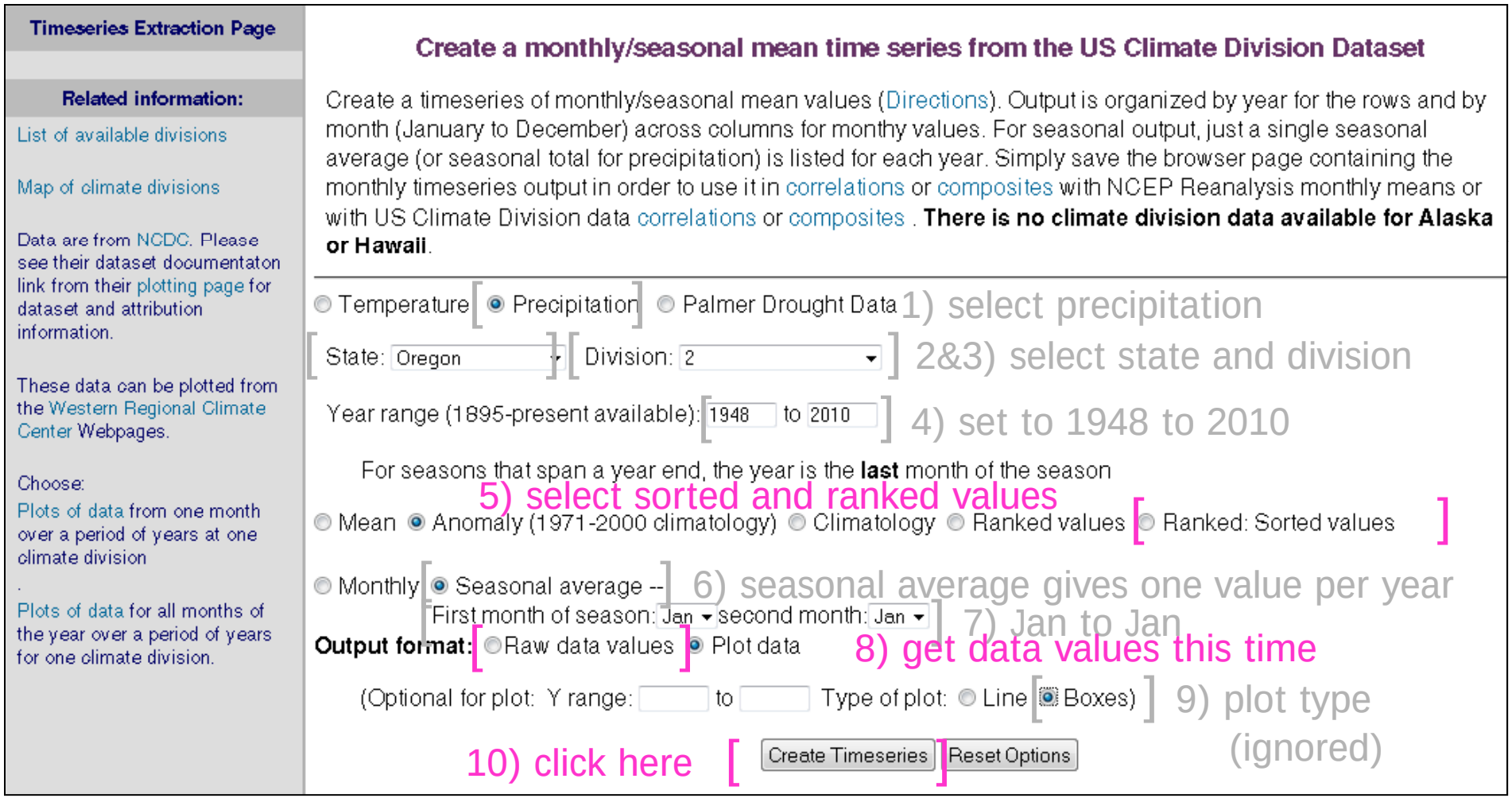
The plot of Oregon Division 2 precipitation



1. Print the plot or drag it into Word to save
2. Use the “back” button to return to the plotting page

Get the data values

Things to check or change: [ ]



Precipitation values and ranks

Rank Precip Year

Years		1948
rank	value	year
1	0.48	1985
2	1.47	1977
3	2.03	1949
4	2.37	1962
5	2.53	2001
6	2.54	1981
7	2.57	1963
8	2.72	2005
9	3.20	1979
10	3.49	1957
11	3.62	1984
12	3.81	1991
13	3.86	1955
14	5.12	1993
15	5.26	1960
16	5.38	2007
17	5.49	1992
18	5.50	2009

5 driest Januaries

Rank Precip Year

48	10.54	1996
49	10.86	1972
50	10.88	1969
51	10.91	1971
52	11.03	1965
53	11.24	1951
54	11.60	1990
55	11.69	1974
56	11.73	1959
57	12.80	1950
58	12.81	1954
59	12.96	1956
60	13.69	1964
61	14.57	1970
62	14.92	2006
63	15.38	1953

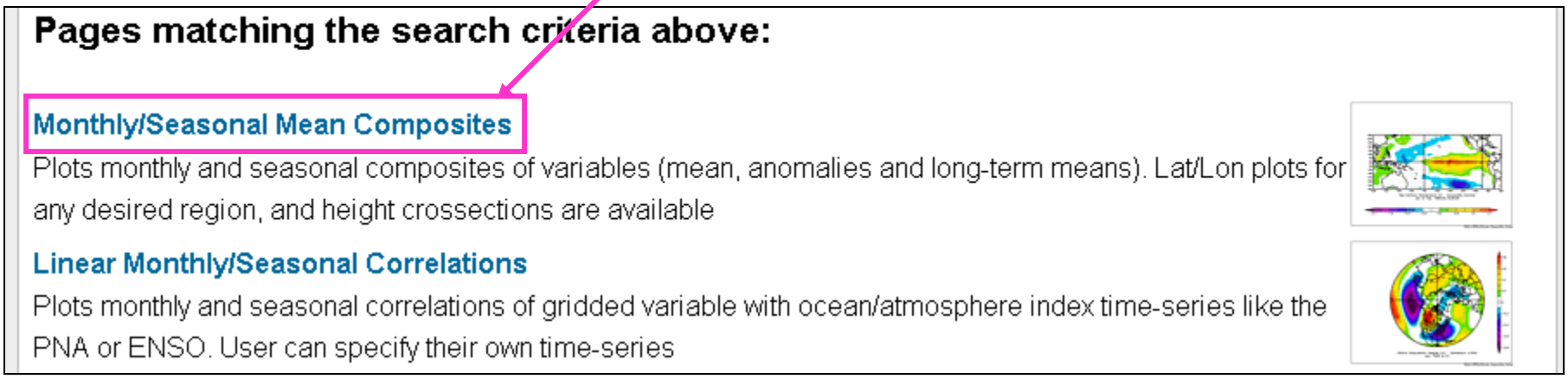
5 wettest Januaries

2) Get 500mb height composite anomalies for 5 driest Januaries

1. Go to the ESRL PSD Interactive Plotting and Analysis Pages http://www.esrl.noaa.gov/psd/cgi-bin/data/getpage.pl

2. Find the "Monthly/Seasonal Mean Composites" Link, then

Click here to go to the composite page



3. Or, go to the composites page directly at: http://www.esrl.noaa.gov/psd/cgi-bin/data/composites/printpage.pl

Create a map (top half of page)

Monthly/Seasonal Climate Composites

Plot seasonal composites (averages) of the mean or anomalies (mean - total mean) of variables from the NCEP reanalysis and other datasets. NCEP data is available from **Jan 1948** to **Dec 2010** .

1) select "geopotential height" 2) select 500mb level

Which variable? Geopotential Height **Level?** 500mb

Beginning month of season: Jan **Ending month:** Jan 3) Jan to Jan

Enter years for composites (from 1 to 16): e.g. 1972. For seasons that span a year (e.g. DJF), please enter year of the **LAST** month.

To subtract one set of years from another, use a minus sign (-) before the years that are to be subtracted.

2001 1962 1949 1977 1985

4) years to composite

OR Enter range of years: to (optional minus to)

OR List of years: Enter filename:

OR Years from values in Time Series: None

If CUSTOM Time Series:

Value to composite on:

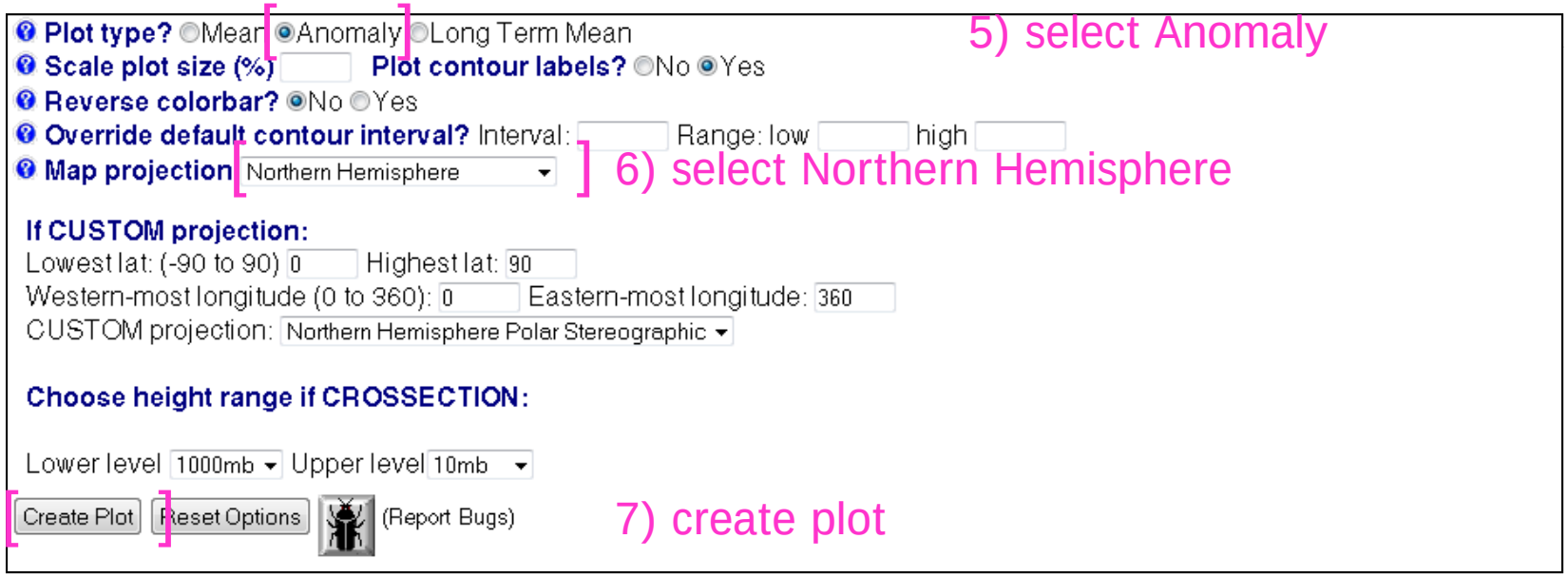
Type of comparison: Value Greater or equal to value

Lag: Plot composites for 0 months before or after dates chosen

Things to check or change: [ ]

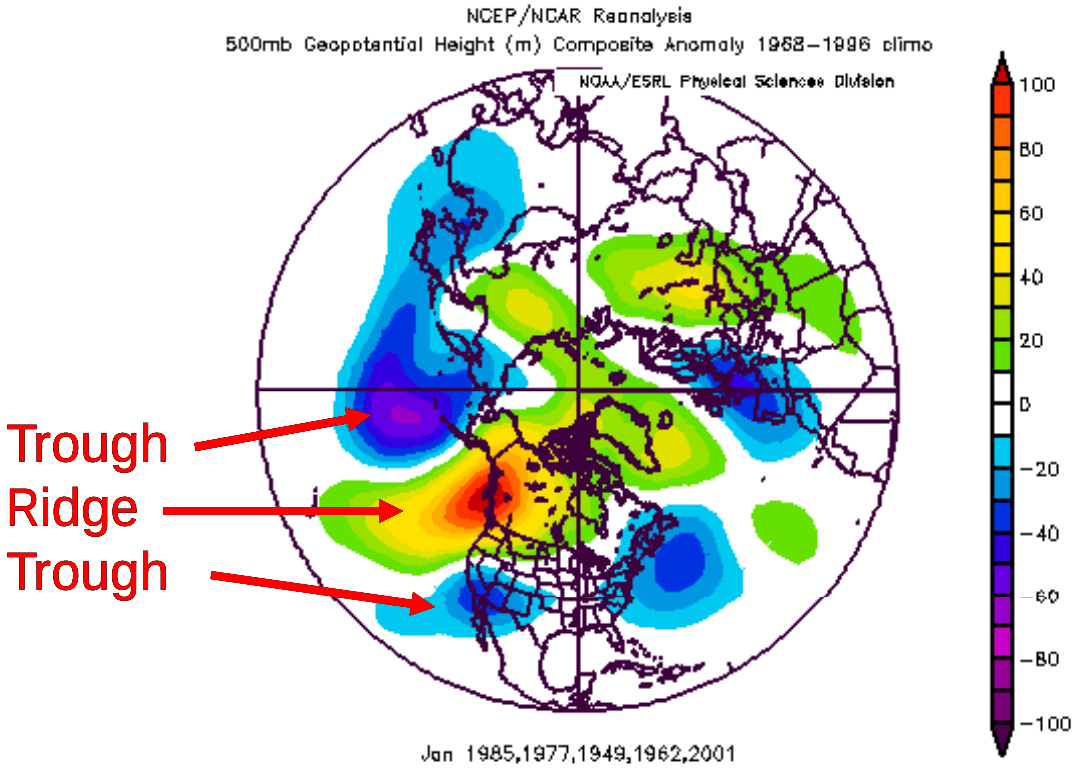
Create a map (bottom half of page)

Things to check or change: [ ]



NOTE: It's not likely that there will actually a bug, but instead it's probably the case that something has been filled in in an inconsistent or infeasible fashion.

The composite anomaly map

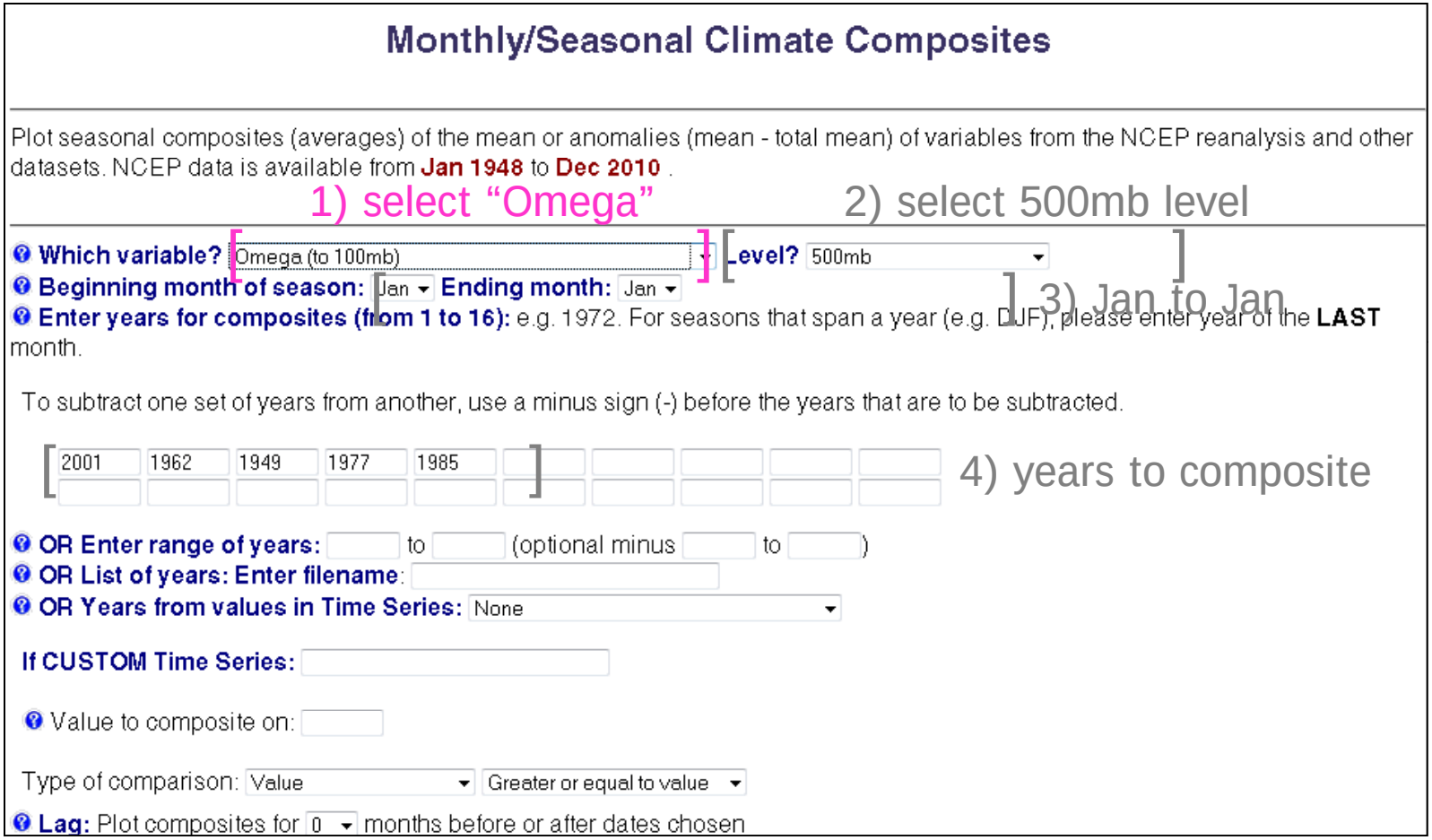


BACK to previous page (retaining input options)

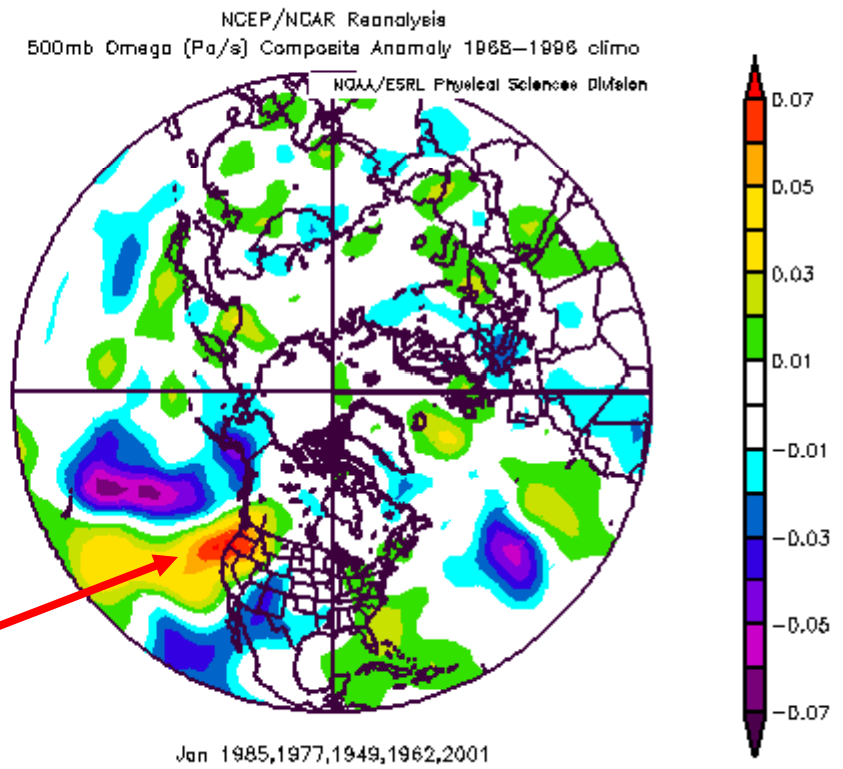
Click here to return to selection page with everything still filled in to plot another variable.

Next variable (Omega) (top half of page)

Things to check or change: [ ]



The composite anomaly map for 500m Omega



Large-scale subsidence

BACK to previous page (retaining input options)

Click here to return to selection page with everything still filled in to plot another variable.