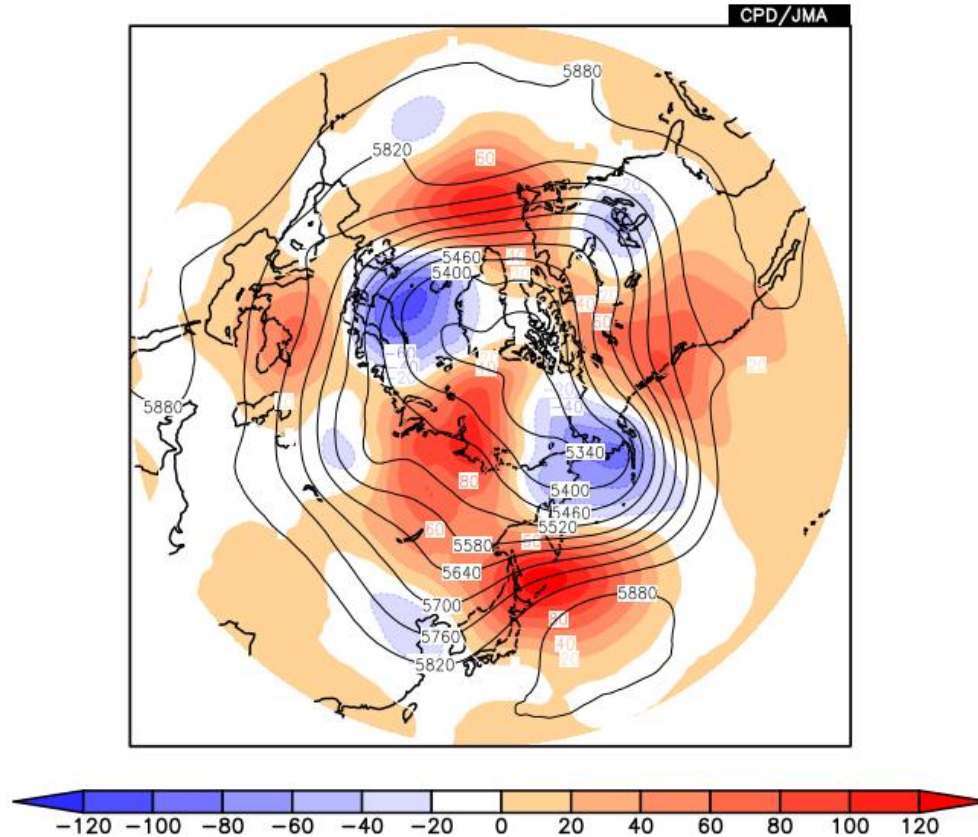


500-hPa height and anomalies

DATA1 JRA-55 z37 ANOM lat = 20:90 lon = -45:315 level = 16:16
time = 2012090100:2012090100 ave = 1MO

DATA2 JRA-55 z37 HIST lat = 20:90 lon = -45:315 level = 16:16
time = 2012090100:2012090100 ave = 1MO analysis method = DATA1_DATA2



500-hPa height and anomalies

- Create a polar stereo map of 500-hPa height and anomalies.

500-hPa height and anomalies

Data1:

Dataset: JRA-55

Element: γ (Geopotential Height)

Data type: ANOM

Area: Lat: "20"-"90", Lon: "-45"-"315"

Level: 500hPa

Time unit: MONTHLY

Showing period: "2012"/"9"

Analysis Dataset

Select parameters

Graphic Options

Data1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
JRA-55	Pressure Levels γ (Geopotential Heig	ANOM	ALL Lat: 20 - 90 Lon: -45 - 315	500hPa - 500hPa	MONTHLY ☐ Ave ☐ Year-to-year ☐ Time filter	RANGE 2012 9 2012 9

☐ Vector ☐ SD
Derivative: ☐ lon ☐ lat

Analysis method: DATA1_DATA2

Select "DATA1_DATA2" as the "Analysis method".

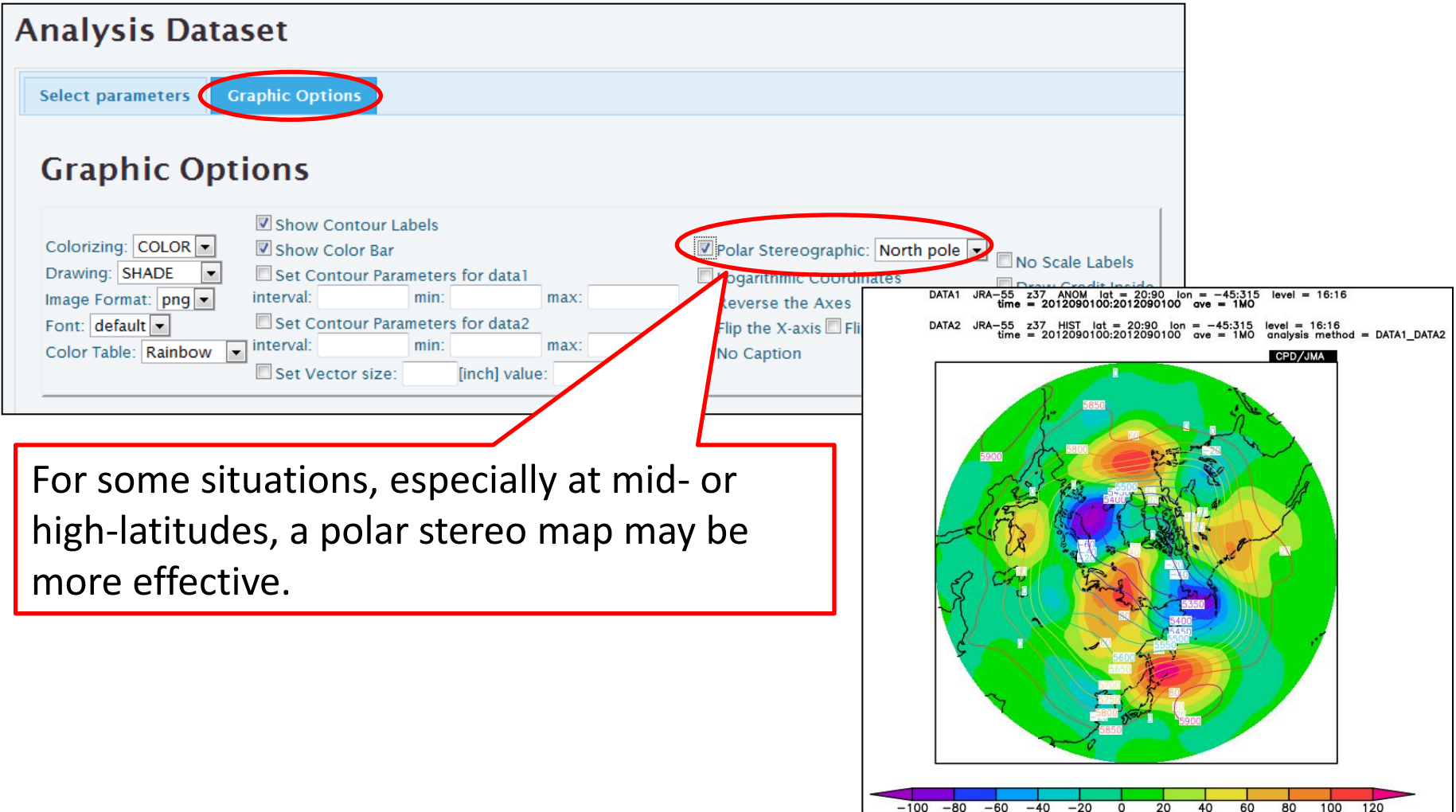
Data2

Dataset	Element	Data type	Area	Level	Time unit	Showing period
JRA-55	Pressure Levels γ (Geopotential Heig ☐ SD	HIST	ALL Lat: 20 - 90 Lon: -45 - 315	500hPa - 500hPa	MONTHLY ☐ Ave ☐ Year-to-year ☐ Time filter	RANGE 2012 9 2012 9

Select "HIST" as the "Data type" in the "Data2" field.

- First, show 500-hPa height and anomalies for September 2012.

500-hPa height and anomalies



For some situations, especially at mid- or high-latitudes, a polar stereo map may be more effective.

- Click “Graphic Options” and check “Polar Stereographic”.
- Click “Analysis Data Submit” to display a polar stereo map.

500-hPa height and anomalies

Color Table:
"Blue-Red"

Set Contour Parameters for data1:
Interval: "20", Min: "-120", Max: "120"

Set Contour Parameters for data2:
Interval: "60", Min: "4800", Max: "6060"

Contour Color: "black"

Select parameters Graphic Options

Options

Color Table: Blue - Red

Set Contour Parameters for data1
Interval: 20 min: -120 max: 120

Set Contour Parameters for data2
Interval: 60 min: 4800 max: 6060

Detailed Options for Image 1
For Image 1 Upper layer apply apply Default

About Graphics

contour Style: default Color: black

label format: thickness: rainbow

contour line thickness: 3

levels: color: red

thin contour: dark-blue

not to draw: light-blue

marker type: closed circle

line style: solid color: black

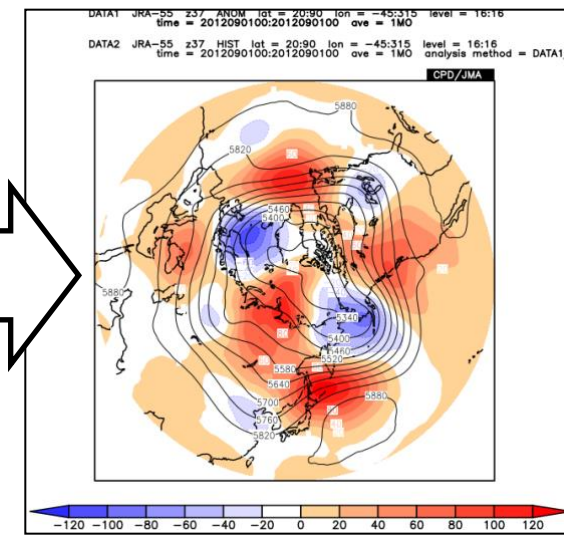
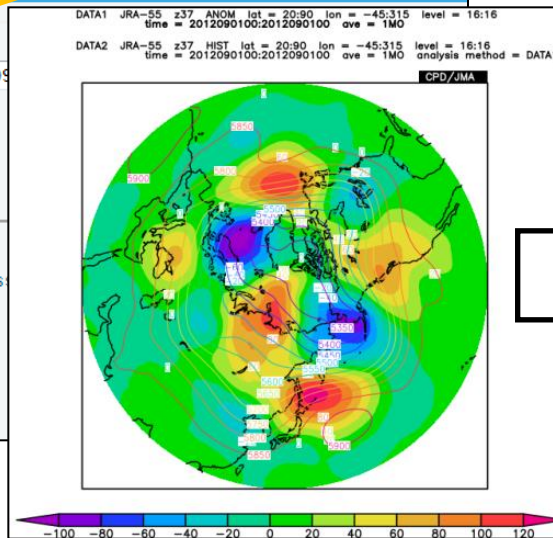
grid style: none color: white

vector label vector head size:

define rainbow color:

color bar portrait X: Y: s

gray



- Map contours and shading can be adjusted for clarity.