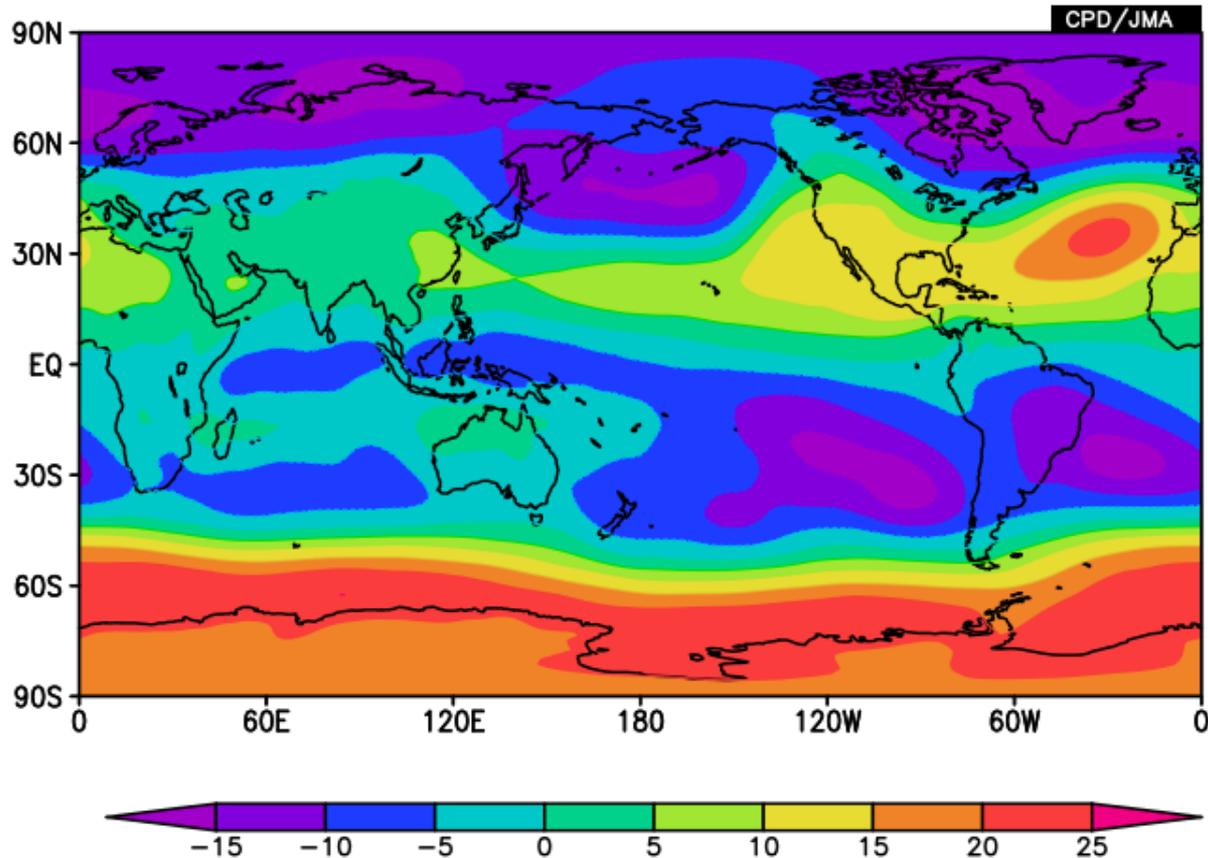


850-hPa stream function

DATA1 JRA-55 psi37 HIST lat = -90:90 lon = 0:360 level = 7:7
time = 2015010100:2015010100 ave = 1MO



Monthly mean 850-hPa stream function in January 2015

- Create an 850-hPa stream function map to learn about basic iTacs functions.

850-hPa stream function

Analysis Dataset

Select parameters | Graphic Options

Data 1

1 Dataset: JRA-55

2 Element: Pressure Levels

3 Data type: HIST

ψ (Stream Function)

Area: ALL

Level: 1000hPa

Lat: -90 - 90 Ave

Lon: 0 - 360 Ave

Vector SD

Derivative: lon lat

Analysis method: -Analysis method-

Use parameter code

1. Select “JRA-55” as the “Dataset”.
2. Select “Pressure Levels” as “element1” and “ ψ (Stream Function)” as “element2”.
3. Select “HIST” as the “Data type”.

850-hPa stream function

The screenshot shows a web interface with the following sections:

- Area:** ALL (dropdown), Lat: -90 - 90, Ave , Lon: 0 - 360, Ave
- Level:** 850hPa (dropdown) - 850hPa (dropdown)
- Time unit:** MONTHLY (dropdown), Ave , Year-to-year , Time filter
- Showing period:** RANGE (dropdown), 2015 (dropdown), 1 (dropdown), 2015 (dropdown), 1 (dropdown)

A red box highlights the Level, Time unit, and Showing period sections. Orange circles numbered 1, 2, and 3 are placed above the Level, Time unit, and Showing period dropdowns respectively. A mouse cursor is pointing at the '1' dropdown in the lower Showing period box, which has a dropdown menu open showing options 1, 2, 3, 4, and 5.

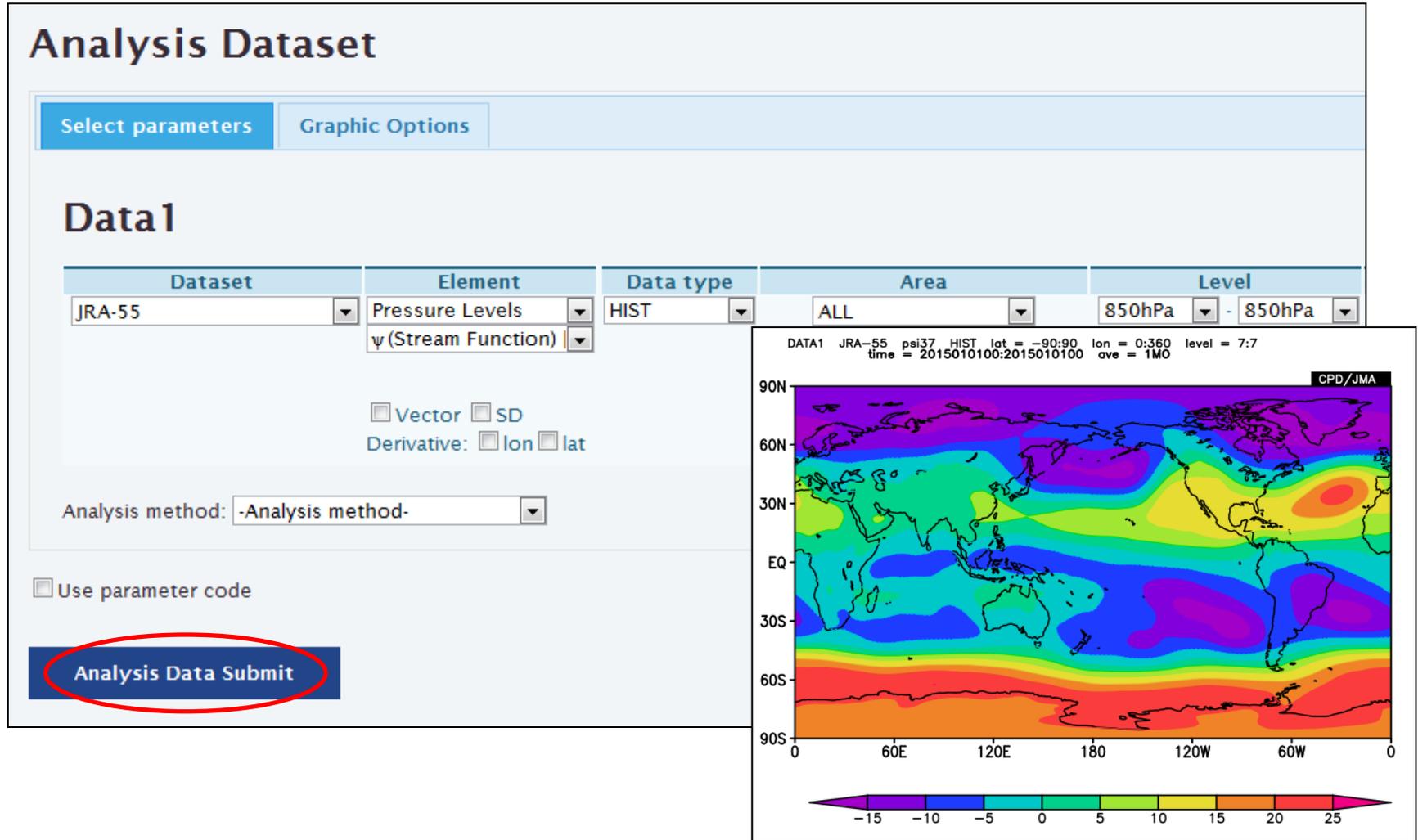
1. Select “850hPa” as the “Level”.

The options in the “Level” menu depend on the element selection.

2. Select “MONTHLY” as the “Time unit”.

3. Select “RANGE” as the “Showing period” and “2015”/”1” for both the upper and lower boxes.

850-hPa stream function



- Finally, click “Analysis Data Submit” to display the map.