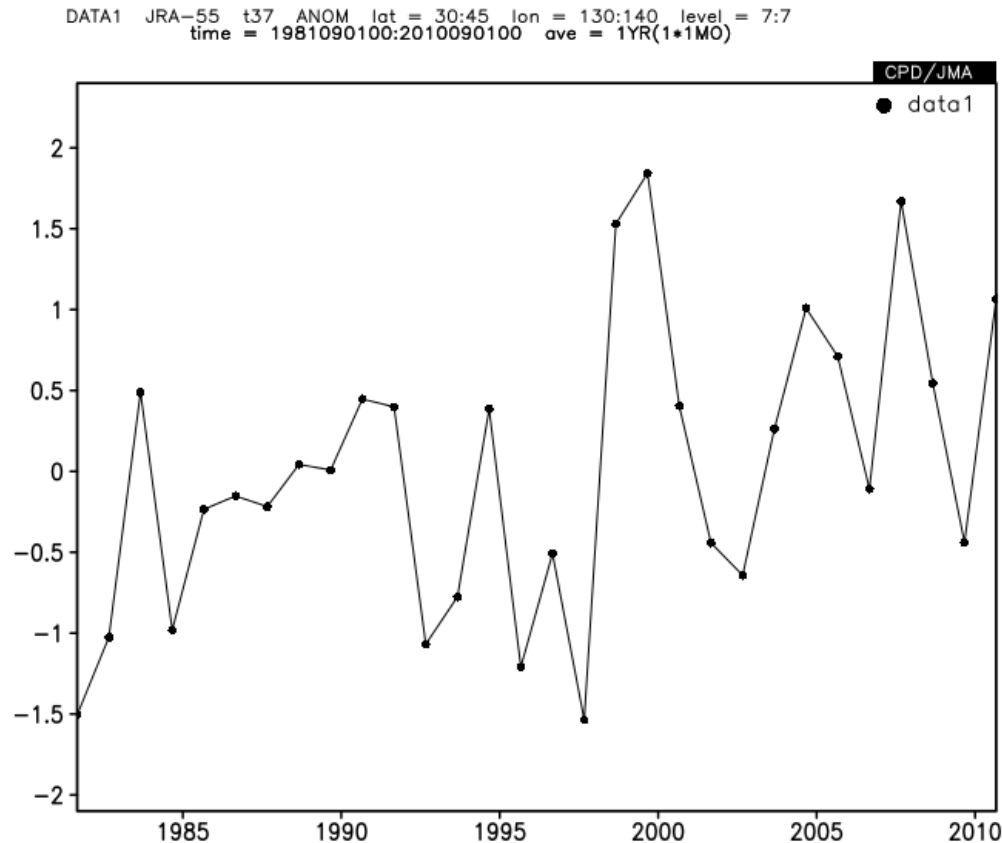


# Interannual variation of monthly mean 850-hPa temperature



## **Interannual variation of monthly mean 850-hPa temperature anomalies over Japan (30°–45°N, 130°–140°E)**

- Time-series graphs are used to present temporal development simply.
- Create a time-series graph.

# Interannual variation of monthly mean 850-hPa temperature

**Analysis Dataset**

Select parameters | Graphic Options

1 2 3 4 5

Dataset	Element	Data type	Area	Level	Time unit	Showing period
JRA-55	Pressure Levels T (Temperature) [C.C]	ANOM	ALL Lat: 30 - 45 Lon: 130 - 140 Ave <input checked="" type="checkbox"/> Ave <input checked="" type="checkbox"/>	850hPa - 850hPa	ANNUAL <input type="checkbox"/> Ave <input type="checkbox"/> Time filter	RANGE 2015 2015

☐ Vector ☐ SD  
Derivative: ☐ lon ☐ lat

Analysis method: -Analysis method-

Latitude and longitude are averaged and converted to 1D values based on "Ave".

1. Dataset: JRA-55

2. Element: "Pressure Levels" -> "T (Temperature)"

3. Data type: ANOM

4. Area: Lat: "30"-"45", Lon: "130"-"140"

Set the area for 1D variable by checking the "Ave" boxes.

5. Level: 850hPa

- First, select "Dataset", "Element", "Data type", "Area" and "Level".

# Interannual variation of monthly mean 850-hPa temperature

## Analysis Dataset

Select parametersGraphic Options

### Data1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
JRA-55	Pressure Levels T (Temperature) [C.C]	ANOM	ALL Lat: 30 - 45 Ave <input checked="" type="checkbox"/> Lon: 130 - 140 Ave <input checked="" type="checkbox"/>	850hPa - 850hPa	MONTHLY <input type="checkbox"/> Ave <input checked="" type="checkbox"/> Year-to-year <input type="checkbox"/> Time filter	RANGE 1981 - 2010 9 - 9

☐ Vector ☐ SD  
Derivative: ☐ lon ☐ lat

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## 1. Dataset: MONTHLY

Check the “Year-to-year” box to select a specific period to be repeated each year.

## 2. Showing period: “1981”–“2010”, “9”–“9”

In this case, the period is Sep. 1981, Sep. 1982, ... and Sep. 2010.

- Select “Time unit” and “Showing period”.
- Click “Analysis Data Submit” to display a time-series graph.