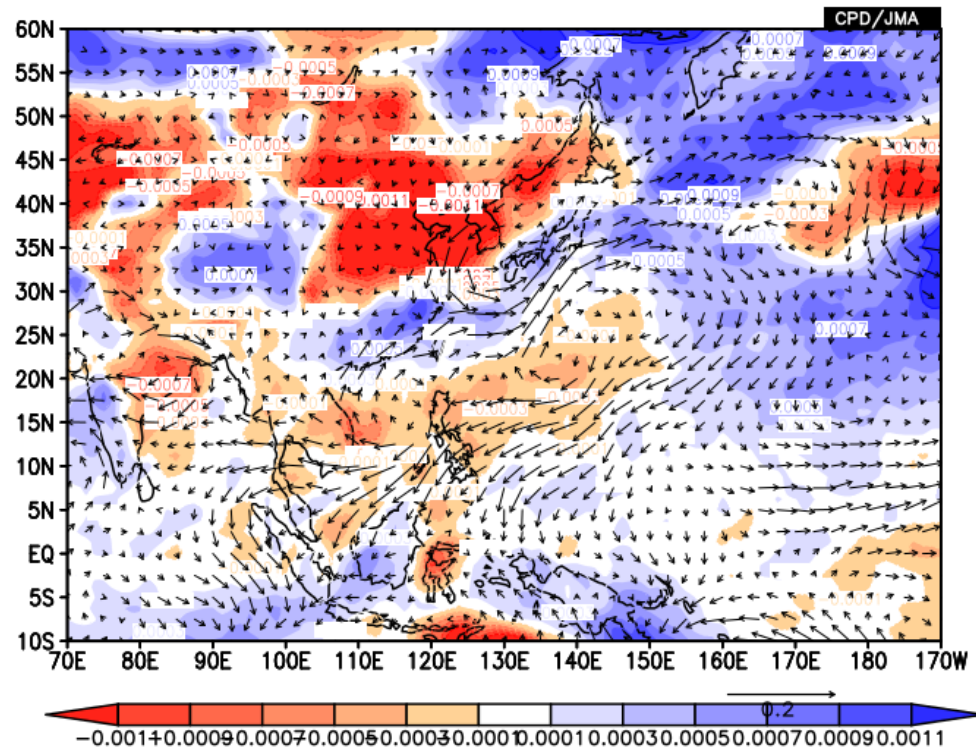


# 925-hPa water vapor flux anomalies and specific humidity anomalies

DATA1 JRA-55 wvfx27,wvfy27 ANOM lat = -10:60 lon = 70:190 level = 4:4  
time = 2014080100:2014080100 ave = 1MO

DATA2 JRA-55 q27 ANOM lat = -10:60 lon = 70:190 level = 4:4  
time = 2014080100:2014080100 ave = 1MO analysis method = DATA1\_DATA2



## 925-hPa water vapor flux anomalies and specific humidity anomalies in August 2014

The shading indicates specific humidity anomalies, and the vectors show water vapor flux anomalies.

- Vector maps can be used to show flow or flux.
- Create a vector map.

# 925-hPa water vapor flux anomalies and specific humidity anomalies

**Analysis Dataset**

Select parameters | Graphics

**Data1**

This area will appear after the "Vector" box is checked.

Dataset	Element	Data type	Area	Level	Time unit	Showing period
JRA-55	Flux	HIST	ALL	1000hPa - 1000hPa	ANNUAL	RANGE
	Wvf-x (Zonal Water Vapor Flux)		Lat: -90 - 90 Ave <input type="checkbox"/>		<input type="checkbox"/> Ave	2015
	Flux		Lon: 0 - 360 Ave <input type="checkbox"/>		<input type="checkbox"/> Time filter	2015
	Wvf-y (Meridional Water Vapor Flux)					
	x: <input type="text"/>					
	<input checked="" type="checkbox"/> Vector					
	SD					
	Derivative: <input type="checkbox"/> lon <input type="checkbox"/> lat					

Analysis method: -Analysis method-

Dataset: "JRA-55"

Element: "Flux" -> "Wvf-x (zonal Water Vapor Flux)"

-Check the "Vector" box, and input the second element (y-component).

Element (lower boxes):

"Flux" -> "Wvf-y (Meridional Water Vapor Flux)"

# 925-hPa water vapor flux anomalies and specific humidity anomalies

## Analysis Dataset

Select parameters | Graphic Options

### Data 1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
JRA-55	Flux Wvf-x (Zonal Water v)	ANOM	ASIA Lat: -10 - 60 Lon: 70 - 190	925hPa	MONTHLY	RANGE 2014 8 2014 8

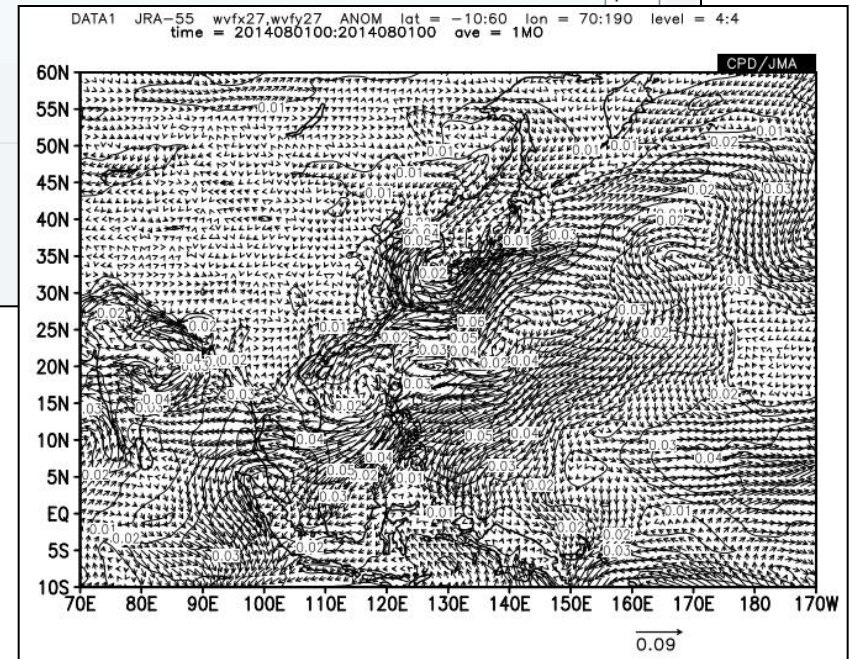
Flux  
Wvf-y (Meridional Wa)  
x:  Stream line  
 Vector  SD  
Derivative:  lon  lat

Analysis method: -Analysis method-

Use parameter code

**Analysis Data Submit**

1. Data type: ANOM
2. Area: Lat: "-10"- "60", Lon: "70"- "190"
3. Level: 925hPa
4. Time unit: MONTHLY
5. Showing period: "2014"/"8"



- Click "Analysis Data Submit" to display a vector map.

# 925-hPa water vapor flux anomalies and specific humidity anomalies

## Analysis Dataset

Select parameters

Graphic Options

### Graphic Options

Colorizing: COLOR

Show Contour Labels

Polar Stereographic: North pole

No Scale Labels

Drawing: SHADE

Show Color Bar

Logarithmic Coordinates

Draw Credit Inside

Image Format: png

Set Contour Parameters for data1

Reverse the Axes

Apply All Pics

Font: default

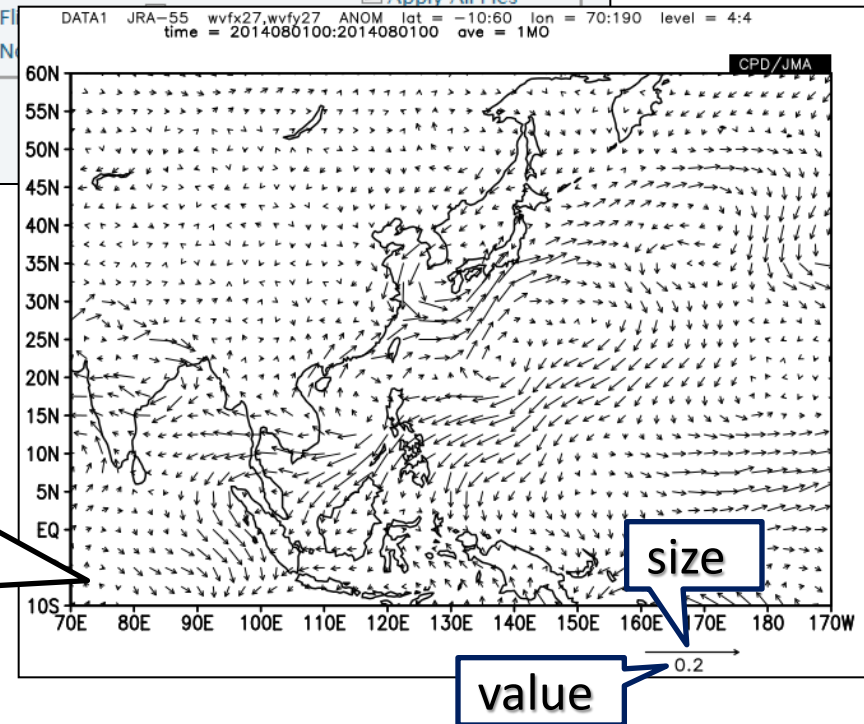
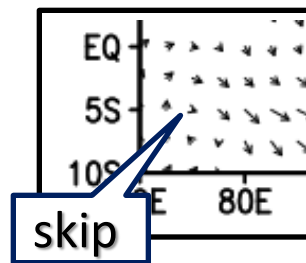
interval: min: max:

Color Table: Rainbow

Set Vector size: 1 [inch] value: 0.2 skip: 2

Detailed Options for Image 1

Check "Set Vector" and enter custom settings in these boxes to change the vector size and skip interval.  
size: 1; value: 0.2; skip: 2



- Map vectors can be adjusted for clarity.

# 925-hPa water vapor flux anomalies and specific humidity anomalies

## Analysis Dataset

Select parameters | Graphic Options

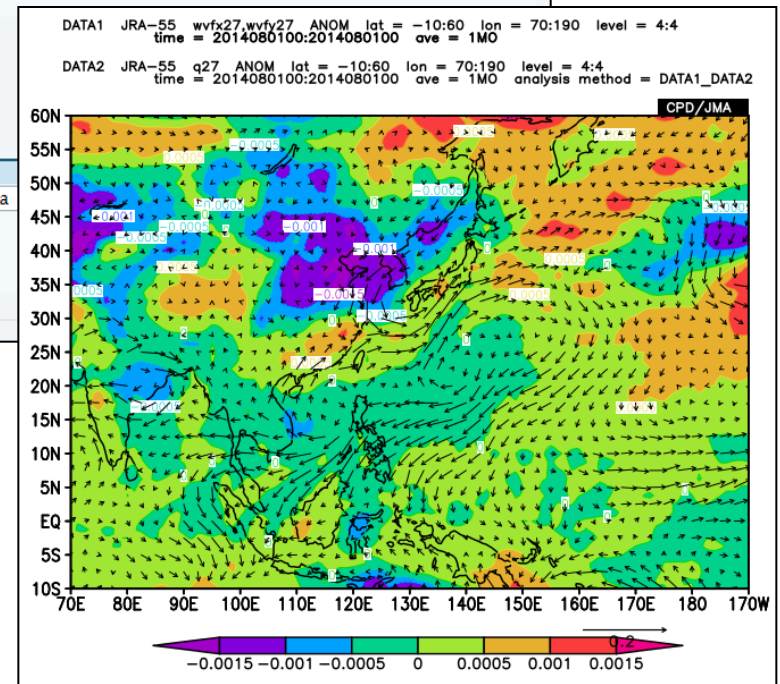
### Data1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
JRA-55	Flux Wvf-x (Zonal Water V... Flux Wvf-y (Meridional Wa... x: <input type="checkbox"/> Stream line <input checked="" type="checkbox"/> Vector <input type="checkbox"/> SD Derivative: <input type="checkbox"/> lon <input type="checkbox"/> lat	ANOM	ASIA Lat: -10 - 60 Ave <input type="checkbox"/> Lon: 70 - 190 Ave <input type="checkbox"/>	925hPa - 925hPa	MONTHLY <input type="checkbox"/> Ave <input type="checkbox"/> Year-to-year <input type="checkbox"/> Time filter	RANGE 2014 8 2014 8

Analysis method: DATA1\_DATA2

### Data2

Dataset	Element	Data type	Area	Level
JRA-55	Pressure Levels q (Specific Humidity)	ANOM	ASIA Lat: -10 - 60 Ave <input type="checkbox"/> Lon: 70 - 190 Ave <input type="checkbox"/>	925hPa



1. Analysis method: DATA1\_DATA2
2. Element in “Data2” fields:  
“Pressure Levels” -> “q (Specific Humidity)”

- In this case, the value of “Data2” will be mapped as shading.

# 925-hPa water vapor flux anomalies and specific humidity anomalies

**Analysis Dataset**

Select parameters | **Graphic Options**

**Graphic Options**

Select "Red-Blue" as the "Color Table".

Drawing:  Shaded  
Image Format:  png  
Font: default  
Color Table: **Red - Blue**  
Rainbow  
Red - blue  
Blue - Red

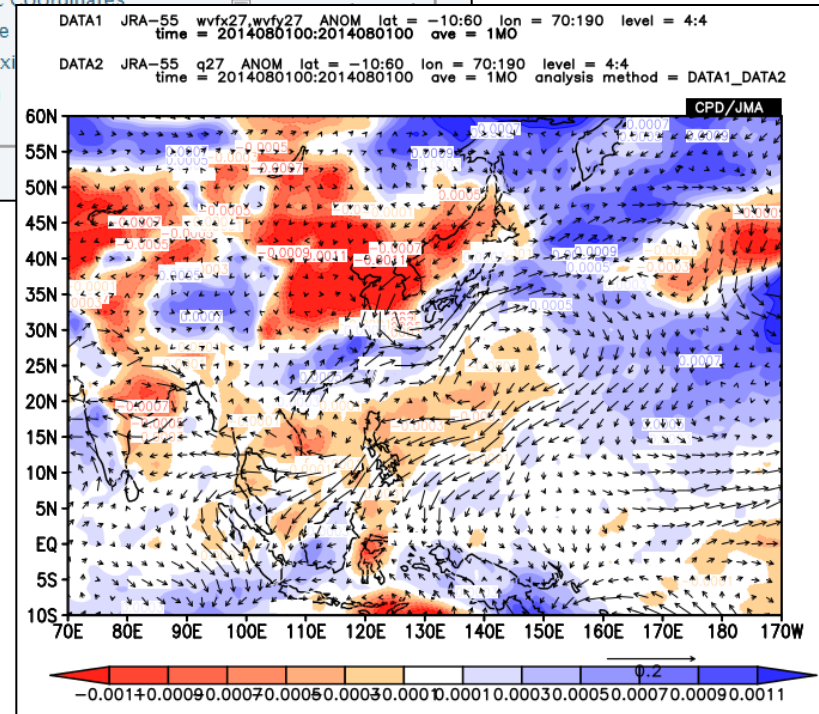
Set Contour Parameters for data2  
interval: 0.0002 min: -0.0011 max: 0.0011

Set Vector size: 1 [inch] value: 2 skip: 2

Polar Stereographic: North pole  
 No Scale Labels  
 Logarithmic Coordinates  
 Reverse the  
 Flip the X-axis  
 No Caption

Detailed Options for Image 1

Check "Set Contour Parameters for data2" and enter custom settings in these boxes to change the contour interval.  
interval: 0.0002; min: -0.0011; max: 0.0011



- Map shading can be adjusted for clarity.