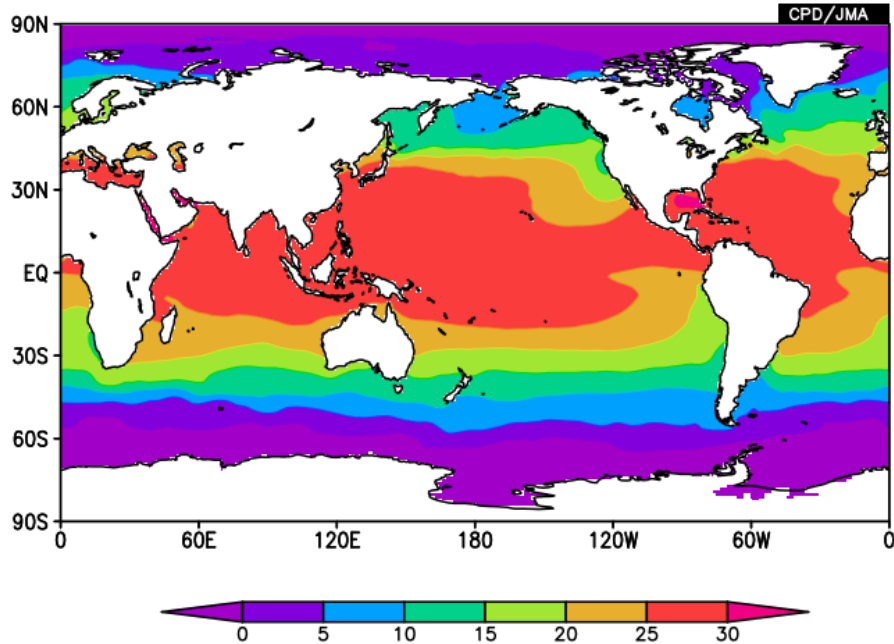


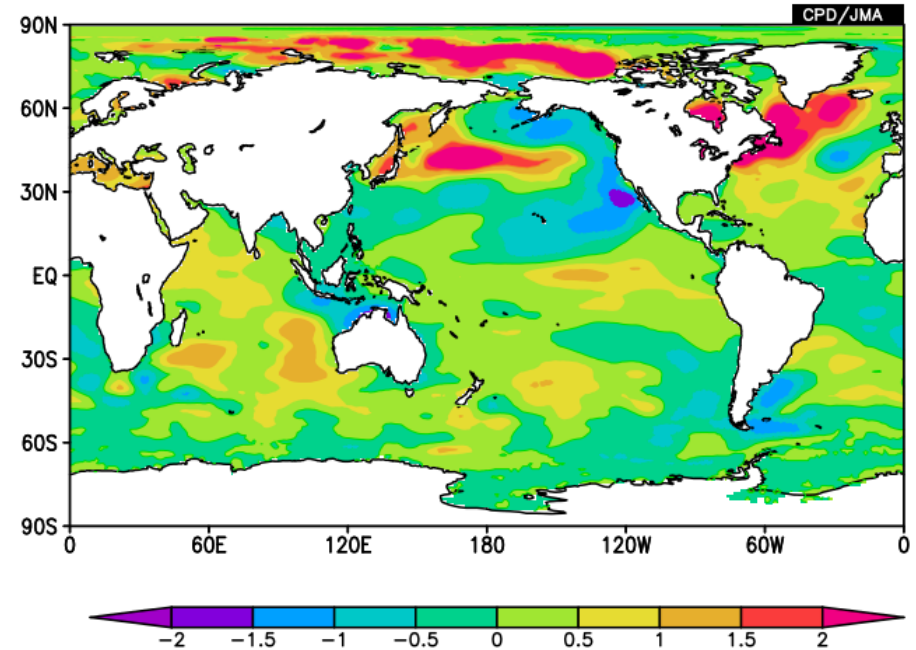
Sea surface temperature (SST)

DATA1 SST_sst HIST lat = -90:90 lon = 0:360 level = 1:1
time = 2012080100:2012080100 ave = 1MO



Sea surface temperature in August 2012

DATA1 SST_sst ANOM lat = -90:90 lon = 0:360 level = 1:1
time = 2012080100:2012080100 ave = 1MO



Sea surface temperature anomaly in August 2012

- The most basic type of chart is a 2D map.
- First create a 2D sea surface temperature (SST) map to learn about basic iTacs operations.

Sea surface temperature (SST)

iTacs ver. 5

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User ID:

[Analysis Dataset](#)[Forecast Dataset](#)

Analysis Dataset

[Select parameters](#)[Graphic Options](#)

Data1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
-Dataset-	-element1-	-Data_type-	ALL	Start Lev - End Leve	-Mean Period-	RANGE
	-element2-	Lat: -90 - 90 Ave			<input type="checkbox"/> Ave <input type="checkbox"/> Year-to-year	Start year
		Lon: 0 - 360 Ave			<input type="checkbox"/> Time filter	End year
<input type="checkbox"/> Vector <input type="checkbox"/> SD						
Derivative: <input type="checkbox"/> lon <input type="checkbox"/> lat						

Analysis method: -Analysis method-

☐ Use parameter code[Analysis Data Submit](#)

- This is the default iTacs screen. Click “Reload” to initialize the screen.
- Click “Help” to see the help page.

Sea surface temperature (SST)

Analysis Dataset

Select parameters Graphic Options

Data1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
SST	Sea Surface Data	-Data_type-	ALL	Start Lev - End Lev	-Mean Period-	RANGE
	-element2-		Lat: -90 - 90 Ave		<input type="checkbox"/> Ave	Start year
	-element2-		Lon: 0 - 360 Ave		<input type="checkbox"/> Time filter	End year
	Temperature (SST) [C.D					
	Ice concentration (ice					
	Derivatives: lon lat					

Analysis method: -Analysis method-

☐ Use parameter code

Analysis Data Submit

Image 1

No Image

- Select "SST" as the "Dataset".
- Select "Sea Surface Temperature" as "element1" and "Temperature" as "element2".

Sea surface temperature (SST)

Analysis Dataset

Select parameters Graphic Options

Data1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
SST	Sea Surface Data	HIST	ALL	1 - 1	ANNUAL	RANGE
	Temperature (SST) [C]	-Data_type-	lat: -90 - 90 Ave		<input type="checkbox"/> Ave	2013
		HIST	lon: 0 - 360 Ave		<input type="checkbox"/> Time filter	2013
		NORM				
		ANOM				
		ANOM_SD				

☐ Vector ☐ SD
Derivative: ☐ lon ☐ lat

Analysis method: -Analysis method-

☐ Use parameter code

- Select “HIST” as the “Data type”.

- The options are:

HIST: historical actual analysis or observation data

NORM: Climatological normal data averaged for the period from 1981 to 2010

ANOM: Anomaly data (HIST – NORM; difference from the climatological normal)

ANOM_SD: Anomaly data normalized by their standard deviations (ANOM/SD: abnormal level)

Sea surface temperature (SST)

Analysis Dataset

Select parameters | Graphic Options

Data 1

Dataset	Element	Data type	Area	Level	Time unit	Showing period
SST	Sea Surface Data Temperature (SST) [C]	HIST	ALL Lat: -90 - 90 Ave <input type="checkbox"/> Lon: 0 - 360 Ave <input type="checkbox"/>	1 - 1	MONTHLY <input type="checkbox"/> Ave <input type="checkbox"/> Year-to-year <input type="checkbox"/> Time filter	RANGE 2012 8 2012 8 1 2 3 4 5 6 7 8 9 10 11 12

Analysis method: -Analysis method-

☐ Use parameter code

- Select “ALL” as the “Area”.

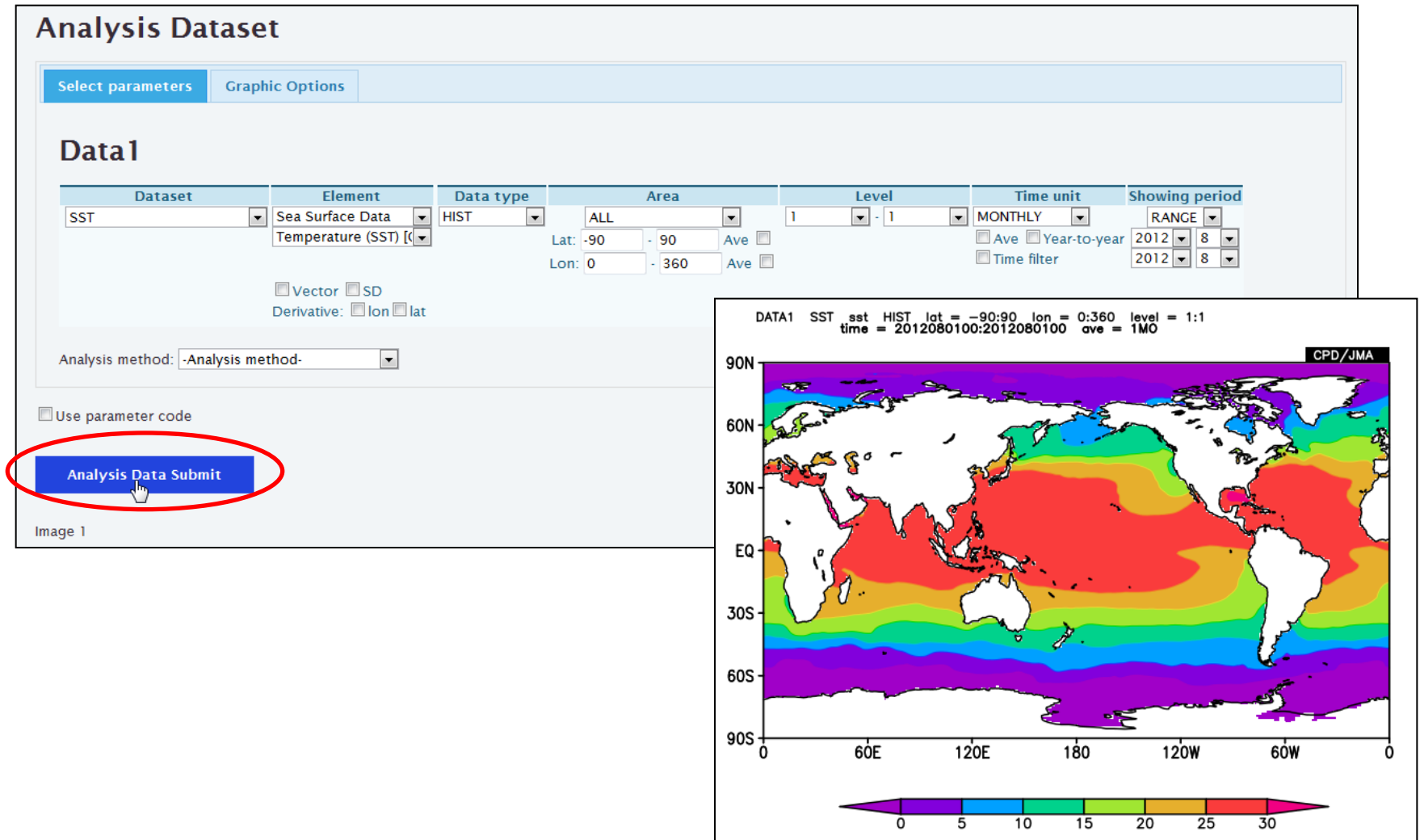
Setting boxes will appear in the “Area” field and after selection for more precise area adjustment.

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

The options are “ANNUAL”, “MONTHLY”, “DAILY” and “PENTAD DAY”

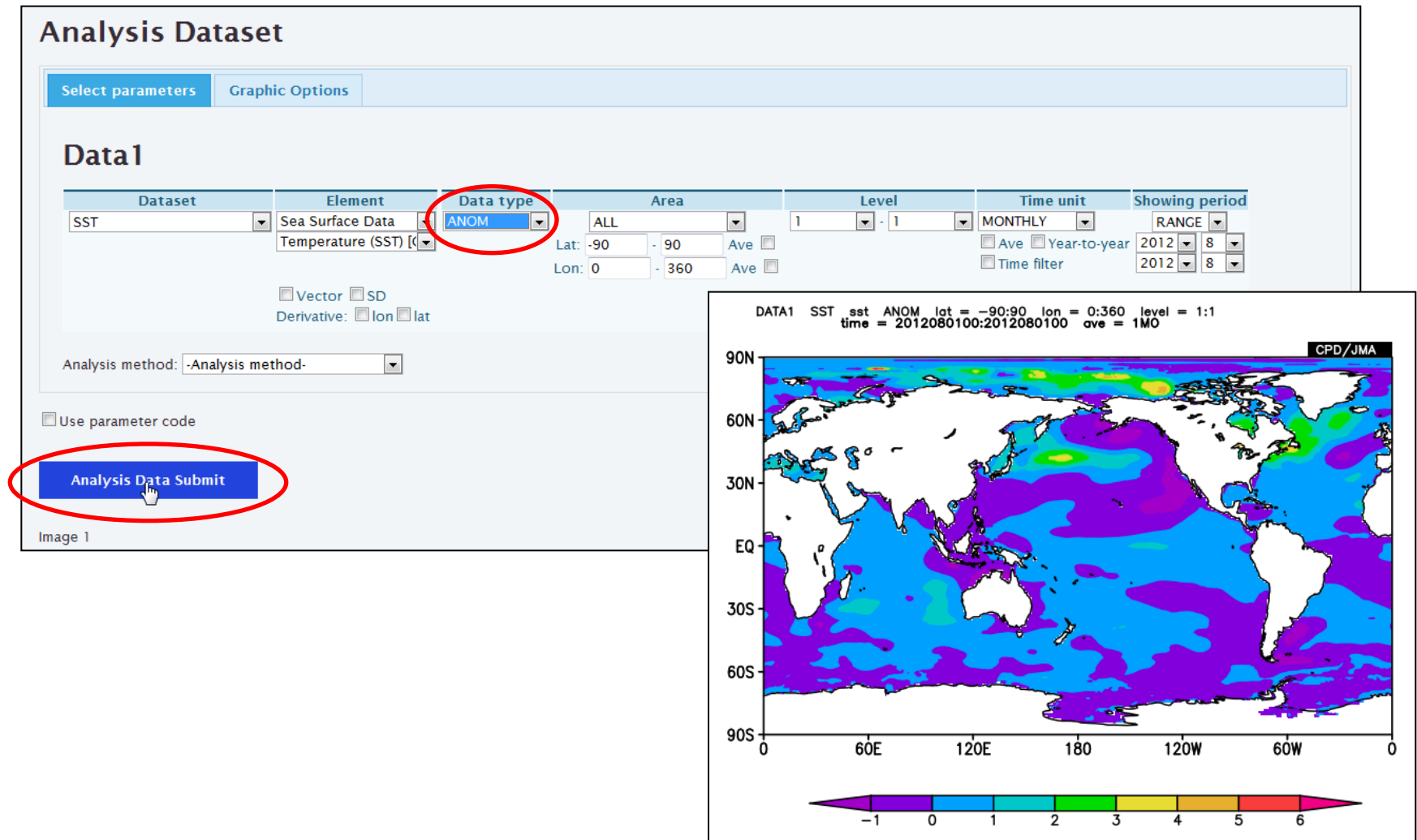
- Select “RANGE” as the “Showing period” and set the year/month as “2012”/”8” for both the upper and lower boxes.

Sea surface temperature (SST)



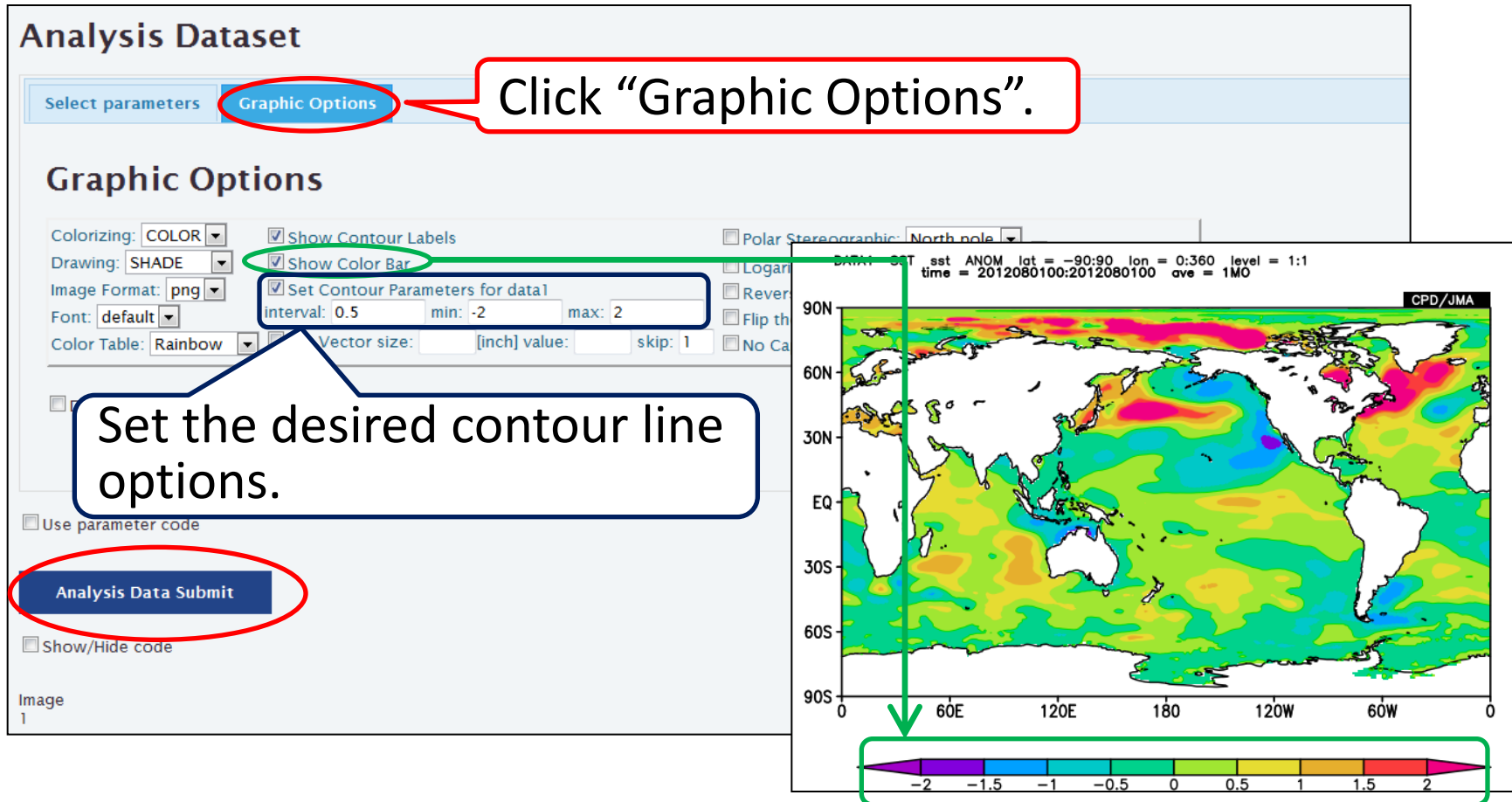
- Finally, click “Analysis Data Submit” to display the map.

Sea surface temperature (SST) anomaly



- Set “ANOM” as the “Data type” and click “Analysis Data Submit” to display an anomaly map.

Sea surface temperature (SST) anomaly



- Shade/contour colors and contour intervals are customizable.