



5.7 Color Scale Tool

The **Color Scale** tool, located in the color legend, lets you select different color scales that have been configured in your system (in the **Color Setup** utility) or to create your own custom scale. Click this icon to display the **Color Scale** tool which is shown below.

The dialog box is titled "Data Product Color Scale Configuration". It has a menu bar with "File" and "Commands". The main area is titled "Color Scale Definitions" and contains several settings:

- Data Type:** A dropdown menu showing "dBZ".
- Display Units:** A text box showing "-32 to 96 dBZ".
- Use Default Scale:** A checkbox labeled "Yes" which is checked.
- Color Scale:** A dropdown menu showing "Uniform".
- Color Set:** A dropdown menu showing "Default".
- Levels:** A text box showing "16".
- First Level/Step:** Two text boxes showing "10.0" and "3.0".

At the bottom of the dialog box are three buttons: "OK", "Apply", and "Cancel".

Data Type

When you first enter the Color Scale tool, the data type will match whatever is displayed in the window. Choose the type of data for which you want to define a color scale.

Display Units

This field shows the units of measurement for the data type that is currently selected. You cannot edit this field.

Use Default Scale

Choose “Yes” to display the product using the default color scale setting. These settings are defined by the system operator during product configuration.



Note to system manager: SIGMET recommends that the IRIS product configurations be set to use the default scales that are defined in Color Setup. This will provide IRIS users with a well-defined set of standards for displaying products.

Choose “No” to customize the color scale configuration.

Color Scale

Choose one of the named custom color scales. Custom scales are defined by the system operator in the **Color Setup** utility. There can be up to 8 scales for each data type. These scales include the choice of color set, number of colors, and data levels for each color. The choice of “Uniform” has a special meaning: you can interactively select the color set, number of colors, and start and step levels.

Color Set (selectable in Uniform mode only)

Up to four named color sets are available. The color sets are defined by the system operator in the **Color Setup** utility. Typically you would define a “Default” set for positive valued data such as reflectivity; rainfall rate, TOPS, VIL, etc. You would also define a “Velocity” set to be used for data that can be positive or negative such as velocity, ZDR or SHEAR.

Levels (selectable in Uniform mode only)

Enter the number of colors to place in the scale (range 2–16).

First Level/Step (selectable in Uniform mode only)

Set the start and step values here. Note that the start value is placed into the upper edge of the first color. Control over saturation of the first and last color is taken from the Default color scale for the data type as configured in the **Color Setup** utility.

Save Your Results

Select **File->Save** to save your results.



The results will be saved for only the Window where you are working. You cannot effect other windows. You may want to go to the other windows and make similar changes and save them.
