

# Rescaling Data (Gamma)

To rescale a range of data go to the Data/Reports section then click on the Logged Data tab. Click on the data to be rescaled, in this case we are rescaling gamma.

The screenshot shows the 'Data/Reports' section of the software. The 'Logged Data' tab is selected. The main area is titled 'Logged Data In Database' and contains a list of data points. The list includes:

- T0108 Bit Depth (0 - 0)
- T0110 Hole Depth (0 - 0)
- T0113 ROP (6623.00 - 11209.00)
- T0117 WOB (6622.47 - 11208.96)
- T0119 Rotary Torque (6622.47 - 11208.96)
- T0120 Rotary Speed (6622.47 - 11208.96)
- T0121 Pump Press (6622.47 - 11208.96)
- T0128 Flow Out (6622.47 - 11208.96)
- T0130 Flow In (6622.47 - 11208.96)
- T0140 Gas Avg (0 - 0)
- T0709 TVD (6589.00 - 11100.00)
- T0713 Inclination (6589.00 - 11100.00)
- T0715 Azimuth (6589.00 - 11100.00)
- T0716 MTF (6622.47 - 10886.02)
- T0717 GTF (6839.60 - 11208.96)
- T0722 Dip Angle (0 - 0)
- T0723 VS (6589.00 - 11100.00)
- T0724 G Total (6622.47 - 11208.96)
- T0823 Gamma (0 - 0)
- T0824 Gamma (6580.47 - 11166.96)
- T0835 Temperature (0 - 0)
- T0836 Temperature (0 - 0)
- T6410 Confidence (6622.47 - 11208.96)
- T6411 Pulse Amp (6622.47 - 11208.96)
- T6425 Standpipe (0 - 0)

The 'Scale factor calculator' dialog box contains the following information:

**Use the calculator below to determine a new scale factor**

Value to rescale:

Desired value:

**OR**

Rescale data to  % of original values

Current scale being used: **6.77**

Calculated scale factor to use:

Click the "Rescale data" button below to multiply the percentage calculated above to all data values from the "Start depth" to the "End depth":

Start Depth

End Depth

**Instructions:**  
To use the calculator enter an example data value in the "Value to rescaled" input box and the value that is desired in the "Desired value" input box. The calculator will compute the appropriate percentage to apply.  
If the percentage is known simply enter that value into the "Rescale data" input and press the "Rescale data" button

**Note:**  
This action cannot be reversed. It would be best that you backup the database before performing this action.

**Note:**  
To make the new scale factor permanent go to the **Configuration** section and edit the **Gamma** settings.

In the data editor click on the Rescale tab.

You have two options for rescaling:

### Option 1

Rescale from one example value to a new desired value. If you know the original value in question and the value that you want it to become enter these values here

After entering both values the new scale factor is calculated for you

Enter the start and end depths to rescale

Click to perform the rescale action from the start depth to the end depth

**Scale factor calculator**

Use the calculator below to determine a new scale factor

Value to rescale:

Desired value:

OR

Rescale data to  % of original values

Current scale being used: **6.77**

Calculated scale factor to use:

Click the "**Rescale data**" button below to multiply the percentage calculated above to all data values from the "**Start depth**" to the "**End depth**":

Start Depth

End Depth

### Option 2

If you know the percentage required enter that value here

As in the first option, the new scale factor to use will be calculated

Enter the start and end depths to rescale

Click to perform the rescale action from the start depth to the end depth

**Scale factor calculator**

Use the calculator below to determine a new scale factor

Value to rescale:

Desired value:

OR

Rescale data to  % of original values

Current scale being used: **6.77**

Calculated scale factor to use:

Click the "**Rescale data**" button below to multiply the percentage calculated above to all data values from the "**Start depth**" to the "**End depth**":

Start Depth

End Depth

Finally, go to the **Configuration** section and select the **WITS IDs** tab. Click on Gamma and enter the new scale factor calculated from above

Description	On-screen Plotting	Alarm Settings
Enable Logging: <input checked="" type="checkbox"/>	Show in on-screen plots:	Enable Alarm: <input type="checkbox"/>
WITS id: 0824	MWD <input checked="" type="checkbox"/>	Alarm Low: -9999.9
Name: Gamma	Directional <input type="checkbox"/>	Alarm High: 99999.9
Units: API	Operator <input checked="" type="checkbox"/>	
Decimal places: 0	On-screen Plot Scaling	
Scale factor: 6.77	(Set both to '0' to auto-scale)	
Depth to bit offset: 42	Plot Scale Left: 0	
LAS Tag: GR	Plot Scale Right: 150	
Export To LAS: <input checked="" type="checkbox"/>		
Enable Timelog: <input type="checkbox"/>		

**NOTE:** Overlapping data, if any, will automatically be written to WITS ID 9824 as Gamma(dups)

Save Changes