



NovaStar 5 Documentation Data Display Web Pages

The NovaStar 5 web page interface displays point data individually, in groups, on maps and as a time series plot. These data displays are returned after a request is issued through a data request page or from web page queries. The data request pages are accessed through the NovaStar 5 menu under Tabular Data, Report Data, Map Data or Plot Data. The names for the data request and display pages are show below. The page name extensions can be .do, .html, or .htm. The request page lets the user select data display parameters on a user interface, the full display page is the data display with the title banner and menu bar. The simple display page is just the data display, no title banner or menu. On a web page browser address lines, the page names are preceded by the standard NovaStar 5 address My.NovaStar5.name:8180/NovaStar5/pageName.

Menu Name	Request Page Name	Full Display Page Name	Simple Display Page Name
Tabular Data	tabularDataRequest.do	tabularData.do	tabularDataDisplay.do
Report Data	reportDataRequest.do	reportData.do	reportDataDisplay.do
Map Data	mapDataRequest.do	mapData.do	mapDataDisplay.do
Plot Data	plotDataRequest.do	plotData.do	plotDataDisplay.do

All data display web pages accept the parameters as part of the web page query. Parameters use the format name=value. The first parameter is separated from the page name by the '?' character. Subsequent parameters are separated by the '&' character. For example, a tabular data query with parameter names pointNumid and endTime would look like:

My.NovaStar5.name:8180/NovaStar5/tabularData.do?pointNumid=1200&endTime=02/24/2008 16:00:00

Parameter names and values are not case sensitive. For example, you can any of these forms: pointNumid, pointnumid, or POINTNUMID to set the point numeric ID.

All the data display queries share common parameters. These parameters are endTime, startTime, and so on. Each data display also has unique parameters such as point Id, map Id, and so on. The parameters described in the table below start with the data display unique parameters and are followed by common parameters. If a parameter value is not provided, the last value saved for this data display parameter is used. Parameter values are saved in web page browser cookies when a display is successfully made.

Data Display	Parameter	Description
Tabular Data	pointId	Comma separated list of point index numbers to display.
	pointNumid	Comma separated list of point numeric ID numbers to display.
	rawDigits	Number of decimal digits displayed for raw data value. Default uses point type raw digits.
	displayOrientation	Orientation of multiple panels: horizontal or vertical. Default is



		vertical.
	pointSelectSize	Length of point pick list. Default is 0.
	showRatings	List of rating tables values to show in addition to point data. Rating tables are assigned numbers 1 – 5 when assigned to a point. List the rating table numbers separated by semi-colons (;). Use 0 for no rating display. Examples: showRatings=0 showRatings=1 showRatings=1;2;3
	showRatingFlags	List of rating tables flags to show in addition to point data. Rating tables are assigned numbers 1 – 5 when assigned to a point. List the rating table numbers separated by semi-colons (;). Use 0 for no rating display. Examples: showRatingFlags=0 showRatingFlags=1 showRatingFlags=1;2;3
Report Data	reportId	Table row number of report to display.
	reportNumid	Numeric Id of report to display.
	reportClass	Report title, header, column label class from report style sheet. Default use class defined in report.
	reportTitle	Report title displayed at top of report. Default use title defined in report.
	reportOrientation	Orientation of multiple panels: horizontal or vertical. Default is vertical.
	padColumns	On report export pad columns to be of equal width. Default is false.
	reportPointDisplay	Comma separated list of point index numbers to use in report replacing points with override parameter set to true.
	pointNumid	Comma separated list of point numeric ID numbers to use in report replacing points with override parameter set to true.
	pointId	Comma separated list of point index numbers to use in report replacing points with override parameter set to true.
	pointLabel	Comma separated list of point labels assigned to points in list. Default: Use point pick details.
	pointPanel	Comma separated list of report panels assigned to points in list. Default: 1.
	pointAnalysis	Comma separated list of data analysis assigned to points in list. Default: report point analysis



	pointDataClass	Comma separated list of data class assigned to points in list. Default: report point data class
	pointDisplayScore	Comma separated list of data score display assigned to points in list. Default: report point display score.
	pointDisplayDigits	Comma separated list of data digits display assigned to points in list. Default: report point display digits.
Map Data	mapId	Table row number of map to display.
	mapNumid	Numeric Id of map to display.
	mapName	Name of map to display.
	homeMapId	Table row number of map to display on home page.
	homeShowData	Display data on home page map. Default is false.
Plot Data	plotId	Table row number of plot to display.
	plotNumid	Numeric Id of plot to display.
	plotClass	Plot title, header, column label class from plot style sheet. Default use class defined in plot.
	plotTitle	Plot title displayed at top of plot. Default use title defined in plot panel.
	plotTitleSize	Plot title text size in pixels. Default use title size defined in plot panel, if not defined use 18.
	plotTitleColor	Plot title color. Default use title color defined in plot panel, if not defined use black.
	plotBorderColor	Plot border color. Default use border color defined in plot panel, if not defined use black.
	plotBackgroundCo lor	Plot background color. Default use background color defined in plot panel, if not defined use white.
	plotTextSize	Plot text size for scale labels in pixels. Default use title size defined in plot panel, if not defined use 12.
	plotTitleColor	Plot text color for scale labels. Default use text color defined in plot panel, if not defined use black.
	plotOrientation	Orientation of multiple panels: horizontal or vertical. Default is vertical.
	plotLegend	Display plot legend. Default is true. true – display legend false – do not display legend
	plotTimeType	Plot time type: absolute or relative. Default uses parameter defined in plot panel. If not defined in plot panel, default is absolute.



	plotTimeInterval	Plot time interval for ticks on time x-axis. Default uses parameter defined in plot panel. If not defined in plot panel, default is auto-scaled.
	plotTimeDisplay	Display time labels on time x-axis. Default uses parameter defined in plot panel. If not defined in plot panel, default is all. all – display all time label fields label – display time tick labels only legend – display time legend (starting and ending time) none – do not display time label now – display now at current time for relative time type
	plotWidth	Width of plot in pixels. Default uses parameter defined in plot panel. If not defined in plot panel, default is 500.
	plotHeight	Height of plot in pixels. Default uses parameter defined in plot panel. If not defined in plot panel, default is 300.
	plotResize	Incrementally change the plot size: increase - increase the plot size by 100 decrease - decrease the plot size by 100
	image	Display plot image only without surrounding HTML. Default is false. true – display image only false – display plot page with plot image imbedded in HTML
	plotPointDisplay	Comma separated list of point index numbers to use in plot replacing points with override parameter set to true.
	pointId	Comma separated list of point index numbers to use in plot replacing points with override parameter set to true.
	pointNumid	Comma separated list of point numeric ID numbers to use in plot replacing points with override parameter set to true.
	pointPanel	Comma separated list of plot panels assigned to points in list. Default: 1.
	pointLabel	Comma separated list of point labels assigned to points in list. Default: Use point pick details.
	pointAnalysis	Comma separated list of data analysis assigned to points in list. Default: plot point analysis
	dataClass	Comma separated list of data class assigned to points in list. Default: plot point data class
	displayScore	Comma separated list of data score display assigned to points in list. Default: plot point display score.
	displayDigits	Comma separated list of data digits display assigned to points in



		list. Default: plot point display digits.
	plotScale	Comma separated list of plot scale assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default is auto-select. default – auto-select scale left – left scale right – first right scale 3-9 – second through eight right scale
	plotScaleInvert	Comma separated list of plot scale invert assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default is false. true – invert plot scale false – do not invert plot scale
	plotScaleDisplay	Comma separated list of plot scale display assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default is all. all – display all scale tick labels and units label – display scale tick labels, not units none – do not display scale label units – display scale units, not tick labels
	plotScaleLabelIncrement	Comma separated list of plot scale label increments assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default is auto-scaled.
	plotScaleDisplayDigits	Comma separated list of plot scale label decimal digits displayed assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default uses scaled digits assigned to point type.
	rangeType	Comma separated list of plot scale range type assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default uses auto-scale. default – auto-scale. auto – auto-scale plot. fixed – Use upper and lower limits defined point – Use plot limits defined for point
	rangeLimits	Comma separated list of plot scale lower and upper limits assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default uses auto-scale.
	upperLimit	Comma separated list of plot scale upper limits assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default uses auto-scale.
	lowerLimit	Comma separated list of plot scale lower limits assigned to



		points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default uses auto-scale.
	plotType	Comma separated list of plot type assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default is line. line – draw line between plot points. point – plot points only, no connecting line bar – histogram bar step – connect plot points in steps, no interpolation area – color area below line steparea – color area below stepped line
	plotLimitNumber	Comma separated list of plot limit numbers assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default is not limited
	plotLimitValue	Comma separated list of plot limit values assigned to points in list. Default uses parameter defined in plot point list. If not defined in plot point list, default is not limited
	plotLineColor	Comma separated list of plot line colors assigned to points in list. Plot line colors are: black, blue, cyan, gray, gray dark, gray light, green, lime, magenta, orange, pink, red, white, yellow. Default uses parameter defined in plot point list. If not defined in plot point list, default is auto-color.
	plotLineType	Comma separated list of plot line types assigned to points in list. Plot line types are: solid, dashed, dotted. Default uses parameter defined in plot point list. If not defined in plot point list, default is solid.
	plotLineThickness	Comma separated list of plot line thickness assigned to points in list. Plot line thickness examples are 1.0, 1.5, 2.0, 2.5, Default uses parameter defined in plot point list. If not defined in plot point list, default is 1.0.
	plotShapeColor	Comma separated list of plot point shape colors assigned to points in list. Plot shape colors are: black, blue, cyan, gray, gray dark, gray light, green, lime, magenta, orange, pink, red, white, yellow. Default uses parameter defined in plot point list. If not defined in plot point list, default is auto-color.
	plotShapeType	Comma separated list of plot point shape types assigned to points in list. Plot shape types are: none, box, circle, diamond, ellipse, rectangle down, rectangle up, triangle up, triangle down, triangle left, triangle right. Default uses parameter defined in plot point list. If not defined in plot point list, default is none.
	plotShapeFill	Comma separated list of plot point shape fill assigned to points



		in list. Plot shape fill are: false, true. Default uses parameter defined in plot point list. If not defined in plot point list, default is true.
Common to all	startTime	<p>Starting time for data display. This is the oldest time for the data displayed. It must be older than the Ending time. Time formats are:</p> <p style="text-align: center;">MM-dd-yyyy-hh-mm-ss-a yyyy-MM-dd-hh-mm-ss-a</p> <p>The separating dashes can be replaced with any non-numeric or alphabetic characters including a space. For example /,.</p> <p>Leading zeroes are not required. Time is assumed to be by a 24 hour clock unless the am/pm designator is used. A 4 digit year is required. Time elements not included default to zero.</p> <p>For example the following times are equivalent:</p> <p style="text-align: center;">02/24/2008 16:00:00 02-24-2008-16.00.00 2008-02-24 16:00:00 02/24/2008 16 02 24 2008 4 pm</p>
	endTime	<p>Ending time for data display. This is the newest time for the data displayed. It must be newer than the Starting time. See Starting time above for the time formats.</p> <p>Special case: now - resets the ending time to the current time.</p>
	time	<p>Time of data report on map provided in hyper-link to display a new page. Set ending time to data report time if ending time is before data report time. Set starting time to data report time if starting time is after data report time. This insures the display page time period will include the time of the data report hyper-link.</p>
	displayInterval	<p>Time interval between data report rows. The interval format is time count followed by time units. A space can separate the count and units but is not required. The time count can include a decimal part. Time units are seconds, minutes, hours, days, months, years. Singular or plural time units can be used. The first letter of the time unit is sufficient except for month. The full time unit name of month must be used. If no time units are supplied, seconds are assumed. For example:</p> <p style="text-align: center;">15minutes = 15m 1hour = 1h = 60m</p>



		<p>2.5 days = 60 hours 1 month = 31days 1y = 12 months</p> <p>Special case: SHOW_REPORTS or 0 – Displays all reports between starting and ending time.</p>
	displayPeriod	<p>Time period between the starting and ending time, used to compute starting time from ending time. The time period format is time count followed by time units. A space can separate the count and units but is not required. The time count can include a decimal part. Time units are seconds, minutes, hours, days, months, years. Singular or plural time units can be used. The first letter of the time unit is sufficient except for month. The full time unit name of month must be used. If no time units are supplied, seconds are assumed. For example:</p> <p>15minutes = 15m 1hour = 1h = 60m 2.5 days = 60 hours 1 month = 31days 1y = 12 months</p>
	analysis	<p>Data analysis parameters. The analysis format is: type/interval/timeoffset/flags/multiplier/adder</p> <p>The analysis types are described in the NovaStar 5 User manual</p>
	refreshInterval	<p>Time interval for refreshing display. The interval format is described above in display interval.</p> <p>0 – no refresh</p>
	scrollInterval	<p>Time interval for scrolling display. The interval format is described above in display interval.</p> <p>0 – no scrolling</p>
	scroll	<p>Scroll command redispays data with ending time changed: forward – ending time increased by scroll interval. back – ending time decreased by scroll interval.</p>
	advanced	<p>Show or hide advanced request parameters.</p>
	displayOnly	<p>Limit data displayed to:</p> <p>all – display all data valid – only display valid data verified – only display verified data maintenance – only display maintenance data</p>
	displayDigits	<p>Number of decimal digits displayed for scaled data value. Default uses point type scaled digits.</p>
	displayScore	<p>Use data report nova score to color background of data</p>



		<p>displayed:</p> <p>true – Use score to color data report background.</p> <p>false – Do not use score to color data report background.</p>
	showData	<p>Show data table after map or plot. Default is false.</p> <p>true – show data table</p> <p>false – do not show data table</p>
	showHeader	<p>Display header at top of page that shows map, plot, report, point selected, data analysis, ending time, display interval. Default is true.</p> <p>true – show header</p> <p>false – do not show header</p>
	showLinks	<p>Show buttons in header and footer for details, back, print, export, refresh, bottom, top and links in header to view or edit map, plot, report, point. Default for Data pages is true. Default for DataDisplay pages is false.</p> <p>true – show buttons</p> <p>false – do not show buttons</p>
	showDataLinks	<p>Encode data report hyper-links for drill down page display. Default is true.</p> <p>true – encode hyper-links</p> <p>false – do not encode hyper-links</p>
	pane	<p>Display page body only without NovaStar5 header, footer, and menu. Default for Data pages is false. Default for DataDisplay pages is true.</p> <p>true – display page body only</p> <p>false – display NovaStar5 header, footer, menu and page body</p>
	printPage	<p>Display page ready for print with body only and without NovaStar5 header, footer, and menu . Default for Data pages is false. Default for DataDisplay pages is true. Web page browser print must be used to select printer and start print.</p> <p>true – display page body only</p> <p>false – display NovaStar5 header, footer, menu and page body</p>
	exportPage	<p>Display page in CSV format as a text file. Default is false.</p> <p>true – display page in CSV format.</p> <p>false – display page in HTML format.</p>
	sortBy	Sort on this column name.
	sortDirection	<p>Sort direction</p> <p>asc – ascending sort</p> <p>desc – descending sort</p>



	style	Style sheet name for display page. NovaStar5 style sheets are stored in /tomcat/NovaStar5/styles. Custom style sheets are stored in /tomcat/local/styles. Default styles sheets are: Maps: map.css Plot: plot.css Report: report.css (report-IE.css for Internet Explorer) Tabular: data.css
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Examples:

1. Display all data reports from 01/01/2008 to 02/01/2008 for point numeric Id 1200.
My.NovaStar5.name:8180/NovaStar5/tabularDataDisplay.do?
pointNumid=1200&endTime=02/01/2008&startTime=01/01/2008&displayInterval=0
2. Display data for report number 2 from 01/01/2008 to 02/01/2008 in 1 day intervals.
My.NovaStar5.name:8180/NovaStar5/reportDataDisplay.do?
reportId=2&endTime=02/01/2008&startTime=01/01/2008&displayInterval=1day
3. Display data on map for map number 3 ending at 02/01/2008 for a 1 day interval and storm rainfall data analysis with 6 hour no rain period.
My.NovaStar5.name:8180/NovaStar5/mapDataDisplay.do?
mapId=3&endTime=02/01/2008&displayInterval=1day&analysis=stormRain/6hours
4. Plot all data reports from 01/01/2008 to 02/01/2008 for point numeric Id 1200 and show data table under plot.
My.NovaStar5.name:8180/NovaStar5/plotDataDisplay.do?
pointNumid=1200&endTime=02/01/2008&startTime=01/01/2008&displayInterval=0&
showData=yes