CHART DEFINITIONS FOR CanvasJS:

Two basic parameters are required in the CanvasJS.Chart declaration:

FORM: var elevation\_chart = new CanvasJSChart( “div\_id”, { options object } );

CHART OPTIONS OBJECT DEFINITION: ( standard javascript format -> key: value )

{

theme: "theme1",

title: { an object:

text: "yabba dabba do"

},

tooltipContent: "{x} miles, {y} ft." [may include html/style],

tooltip: { object with various options:[borderColor, fontColor, fontStyle, fontSize,

fontFamily, fontWeight; borderThickness, cornerRadius, reversed,

backgoundColor]

\*\* content [as above w/tooltipContent

contentFormatter: function(e) { function is overriden if

‘toolTipContent’ is present

e returns the following to the function:

e.chart,

e.tooltip,

e.entries: [ array of datseries datapoint items:

{ datapoint , dataseries }, // 1st dataseries

{ datapoint , dataseries }, // 2nd dataseries

….

e.g e.entries[0].datapoint.x;

]

returns string and/or html

},

data: [ an array, each member is a dataseries object...

{ dataseries - an object containing:

type: “line” , [ or “column”, “bar”, “pie”, etc]

name: "optional", [for multiple dataseries use]

showInLegend: false , [for multiple dataseries use]

click: function(e) { don't forget js statement semi-colons here

// dataseries event

xval = e.dataPoint.x;

yval = e.dataPoint.y;

}

mouseover: [mousemove, mouseout - see above]

cursor: "crosshair"

datapoints: [ an array of objects...

{ label: "elevation", y: 999 },

{label: “change”,y:1000}, [can add click functions]

…

]

}

],

axisY: { object with members:

title: "Primary Y -axis label",

prefix: "stuff1",

suffix: "sutff2"

[ titleFontColor, titleFontSize, titleFontFamily, titleFontWeight, titleFontStyle,

margin, lineColor, lineThickness, lineDashType, minimum, maximum,

viewPortMinimum, viewportMaximum ]

[tickLength, tickColor, tickThickness, gridThickness, gridColor, gridDashType]

stripLines: [ array of objects {

value, thickness, color, label, .... }

]

},

axisX: {

title: "Primary X-axis label"

[ labelAngle, labelFontFamily, labelFontColor, labelFontSize, labelFontWeight,

labelFontStyle,labelAutoFit, labelWrap, labelMaxWidth,

labelFormatter]

[interlacedColor]

},

zoomEnabled: true

}); end of chart options arg [ } ], and end of chart declaration [ ); ]

------ TO SET OPTIONS EX POST FACTO:

var elevation\_chart = new CanvasJS.Chart("div\_id");

chart.options.title.text = “yabba dabba do”;

chart.options.data = [ array of dataseries objects ];

chart.options.data[0] = { first complete dataseries object };

chart.options.data[0].datapoints = [ array of data objects ];

chartoptions.data.push(series1);

series1.datapoints = [

{ dataptdef },

{ dataptdef },

{ dataptdef }

];

Other properties:

title.fontSize = 12 [13, 14, etc]

title.fontColor = red [blue, green, etc]

axisY.lineThickness = 0 [1, 2, etc]

axisX.labelAngel = 30 [45, 90,etc]

dataSeries.indexLabel = "{y}" [ "${y}K", etc]

DATAPOINTS OBJECT:

{

x: xval [or date], y: yval, label: "whatever" [OR indexLabel: "thatval label" ]

}