```
// Get data from php
$(document).ready(function() {
    $.post("database.php",
    function(test) {

        // Arrays for graph use
        var charts = ["#mychart1","#mychart2","#mychart3","#mychart4","#mychart5","#mychart
6","#mychart7","#mychart8"];
        var colors = ['#4B70FFFF','#FFA70EFF','#34FF0EFF','#ED0EFFFF','#FF0E0EFF','#0EFFFDF
F','#F5FF0EFF','#FF0E6DFF','#4B70FF66','#FFA70E66','#34FF0E66','#ED0EFF66','#FF0E0E66','#0E
FFFD66','#F5FF0E66','#FF0E6D66'];
        var labelings = ['High Resolution Temperature (Celsius)','IR Intensity','Full Spect
rum Intensity','Visible Light Intensity','Illuminance (Lux)','Temperature (Celsius)','Press
ure (millibars)','Relative Humidity (%)'];
        var titles = ['High Resolution Temperature v. Time (Past 24 Hours)','IR Intensity v
. Time (Past 24 Hours)','Full Spectrum Intensity v. Time (Past 24 Hours)','Visible Light In
tensity v. Time (Past 24 Hours)','Illuminance v. Time (Past 24 Hours)','Temperature v. Time
 (Past 24 Hours)','Pressure v. Time (Past 24 Hours)','Relative Humidity v. Time (Past 24 Ho
urs)'];
        var Yaxis = [];

        // Data from php
        var TimeDataValues = [];
        var HighTemperatureData = [];
        var IRData = [];
        var SpectrumData = [];
        var VisibleData = [];
        var IlluminanceData = [];
        var TemperatureData = [];
        var PressureData = [];
        var HumidityData = [];
        var test1 = JSON.parse(test);

        // Gets data into arrays
        for (var i in test1) {
            TimeDataValues.push(test1[i][0]);
            HighTemperatureData.push(test1[i].HighResTemp);
            IRData.push(test1[i].IR);
            SpectrumData.push(test1[i].Spectrum);
            VisibleData.push(test1[i].Visible);
            IlluminanceData.push(test1[i].Illuminance);
            TemperatureData.push(test1[i].Temperature / 100);
            PressureData.push(test1[i].Pressure / 10000);
            HumidityData.push(test1[i].Humidity / 1000);
        }

        // Puts different data into Yaxis array
        Yaxis.push(HighTemperatureData);
        Yaxis.push(IRData);
        Yaxis.push(SpectrumData);
        Yaxis.push(VisibleData);
        Yaxis.push(IlluminanceData);
        Yaxis.push(TemperatureData);
        Yaxis.push(PressureData);
        Yaxis.push(HumidityData);

        // Creates the 8 graphs
        for (var j = 0; j < 8; j++) {

            // Options for graphs
            var options = {
                legend: {
                    display: false  // Only 1 line on each graph so no need
                },
                scales: {
                    xAxes: [{   // xAxes options
                        scaleLabel: {
                            display: true,
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                            labelString: 'Time (Military)',
                            fontColor: '#000000',
                            fontSize: 20
                        },
                        gridLines: {
                            display: true,
                            color: '#424242',
                            drawBorder: true
                        },
                        ticks: {
                            fontColor: '#000000'
                        }
                    }],
                    yAxes: [{   // yAxes options
                        scaleLabel: {
                            display: true,
                            labelString: labelings[j],
                            fontColor: '#000000',
                            fontSize: 20
                        },
                        gridLines: {
                            display: true,
                            color: '#424242',
                            drawBorder: true
                        },
                        ticks: {
                            fontColor: '#000000'
                        }
                    }]
                },
                title: {        // title options
                    display: true,
                    text: titles[j],
                    fontColor: '#000000',
                    fontSize: 30
                },
                elements: {     // To get rid of circles for each point to make graph smoot
h
                    point: {
                        radius: 0
                    }
                }
            };

            // Data for chart
            var chartdata = {
                labels: TimeDataValues,
                datasets: [{
                    label: labelings[j],
                    data: Yaxis[j],
                    backgroundColor: colors[j+8],
                    borderColor: colors[j]
                }]
            };

            // Use div in html to create chart
            var graphTarget = $(charts[j]);
            var bargraph = new Chart(graphTarget, {
                type: 'line',
                data: chartdata,
                options: options
            });

        }
    });
});
```