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<!-- temperature.html -->
<!-- lightly modified by Josh Andrews -->
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<META http-equiv="refresh" content="300">
<script type="text/javascript" src="moment-with-locales.js"></script>
<script type="text/javascript" src="Chart.min.js"></script>
<script type="text/javascript" src="jquery.min.js"></script>
<style>
#myChart {
        background-color: #000000;
}
</style>
</head>
<body bgcolor="black">
<canvas id="myChart" width="1100" height="900"></canvas>
<script>
function plot(results) {
var sum1=0;
var sum2=0;
var len=30;
if (results["data1"].length<30) {
    len=results["data1"].length;
}
for (var j=0;j<len;j++) {
    sum1=sum1+results["data1"][j].y;
    sum2=sum2+results["data2"][j].y;

}
for (var i=0; i<results["data1"].length-30; i++) {
    var current1=results["data1"][i].y;
    var current2=results["data2"][i].y;
    results["data1"][i].y=sum1/30;
    results["data2"][i].y=sum2/30;
    sum1=sum1-current1+results["data1"][i+len].y;
    sum2=sum2-current2+results["data2"][i+len].y;
}
for (var i=results["data1"].length-30; i<results["data1"].length; i++) {
    var current1=results["data1"][i].y;
    var current2=results["data2"][i].y;
    var len=results["data1"].length-i;
    results["data1"][i].y=sum1/len;
    results["data2"][i].y=sum2/len;
    sum1=sum1-current1;
    sum2=sum2-current2;
}
var ctx = document.getElementById("myChart").getContext('2d');
Chart.defaults.global.defaultFontSize = 16;
Chart.defaults.global.defaultFontColor = "#FFFFFF";
var myChart = new Chart(ctx, {
    type: 'line',
    data: {
        datasets: [{
                        label: "HiRes Temp",
                        lineTension: 0,
                        pointRadius: 0,
                        borderColor: "green",   //changed color
                        borderWidth: 2,
                        cubicInterpolationMode: "monotone",
            data: results["data1"],
                        fill: false
        },{
            //added dataset (copied above and changed for data2)
            label: "Normal Temp",
                        lineTension: 0,
                        pointRadius: 0,
                        borderColor: "blue",    //changed color
```

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                        borderWidth: 2,
                        cubicInterpolationMode: "monotone",
            data: results["data2"],
                        fill: false
        }],
    },
    options: {
                responsive: false,
                responsiveAnimationDuration:0,
                animation: {
                        duration: 0,
                },
                hover: {
                        animationDuration: 400,
                },
        scales: {
                        xAxes: [{
                                type: "time",
                                display: true,
                                scaleLabel: {
                                        display: true,
                                        labelString: "Time",
                                },
                                gridLines: {
                                        color: "rgba(255, 0, 0, 255)",
                                        borderDash: [4, 8],
                                },
                        }],
                        yAxes: [{
                                display: true,
                                scaleLabel: {
                                        display: true,
                                        labelString: "Temperature, Degrees F",
                                },
                                gridLines: {
                                        zeroLineColor: "rgba(255, 0, 0, 255)",
                                        zeroLineBorderDash: [4, 8],
                                        color: "rgba(255, 0, 0, 255)",
                                        borderDash: [4, 8],
                                },
                        }]
                },
        legend: {
                        display: false,
                        position: "bottom",
                        labels: {
                                boxWidth: 2,
                        },
                },
                title: {
                        display: true,
            fontSize: 30,   //changed font size
                        text: "Inside Temperature",
                }
    }
});

ctx.font = "14px Arial";
ctx.fillStyle = "white";
var d = new Date();
ctx.fillText(d.toLocaleString(),490,75);


ctx.fillText("Hi-Res: " + results["data1"][results["data1"].length-1].y.toFixed(1),90,75);
ctx.beginPath();
ctx.strokeStyle="green";    //changed the color
ctx.moveTo(75,70);
ctx.lineTo(85,70);
```

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ctx.stroke();


//duplicated above code segment to label other data.  I also repositioned these to look bet
ter.
ctx.fillText("Normal: " + results["data2"][results["data2"].length-1].y.toFixed(1),90,90);
ctx.beginPath();
ctx.strokeStyle="blue";     //changed the color
ctx.moveTo(75,85);
ctx.lineTo(85,85);
ctx.stroke();

}
var jsondata= $.ajax({url:'temp.php', dataType: 'json', }).done(function (results) { plot(r
esults); } );
</script>
</body>
</html>
```