
Subject: Re: Ideas: Grid lines at "round" dates or values. More options for tooltip.
Posted by [Maginor](#) on Fri, 16 Aug 2019 09:35:52 GMT

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Hi, it almost works now. It is correct initially, but when I pan the plot sideways the grid lines slide in the wrong direction, while the text reticles are correct (and so become unaligned with the grid lines).

As far as I can see from the code in ScatterDraw::Plot, it seems like the grid lines are drawn with reference to the right of the plot instead of the left?

Here is an example callback where this happens.

```
void PlotCtrl::UpdateDateGridLinesX(Vector<double> &LinesOut)
{
    //InputStartDate is X=0. X resolution is daily

    double XMin = Plot.GetXMin();
    double XRange = Plot.GetXRange();

    Date FirstDate = InputStartDate + (int)XMin;
    int FirstYear = FirstDate.year; //+1?
    Date LastDate = FirstDate + (int)XRange;
    int LastYear = LastDate.year;

    Date IterDate(FirstYear, 1, 1);
    for(int Year = FirstYear; Year <= LastYear; ++Year)
    {
        IterDate.year = Year;
        double XVal = (double)(IterDate - InputStartDate) - XMin;
        if(XVal > 0 && XVal < XRange)
            LinesOut << XVal;
    }
}
```

(Plot is a ScatterCtrl, InputStartDate is just a reference date for X=0).
