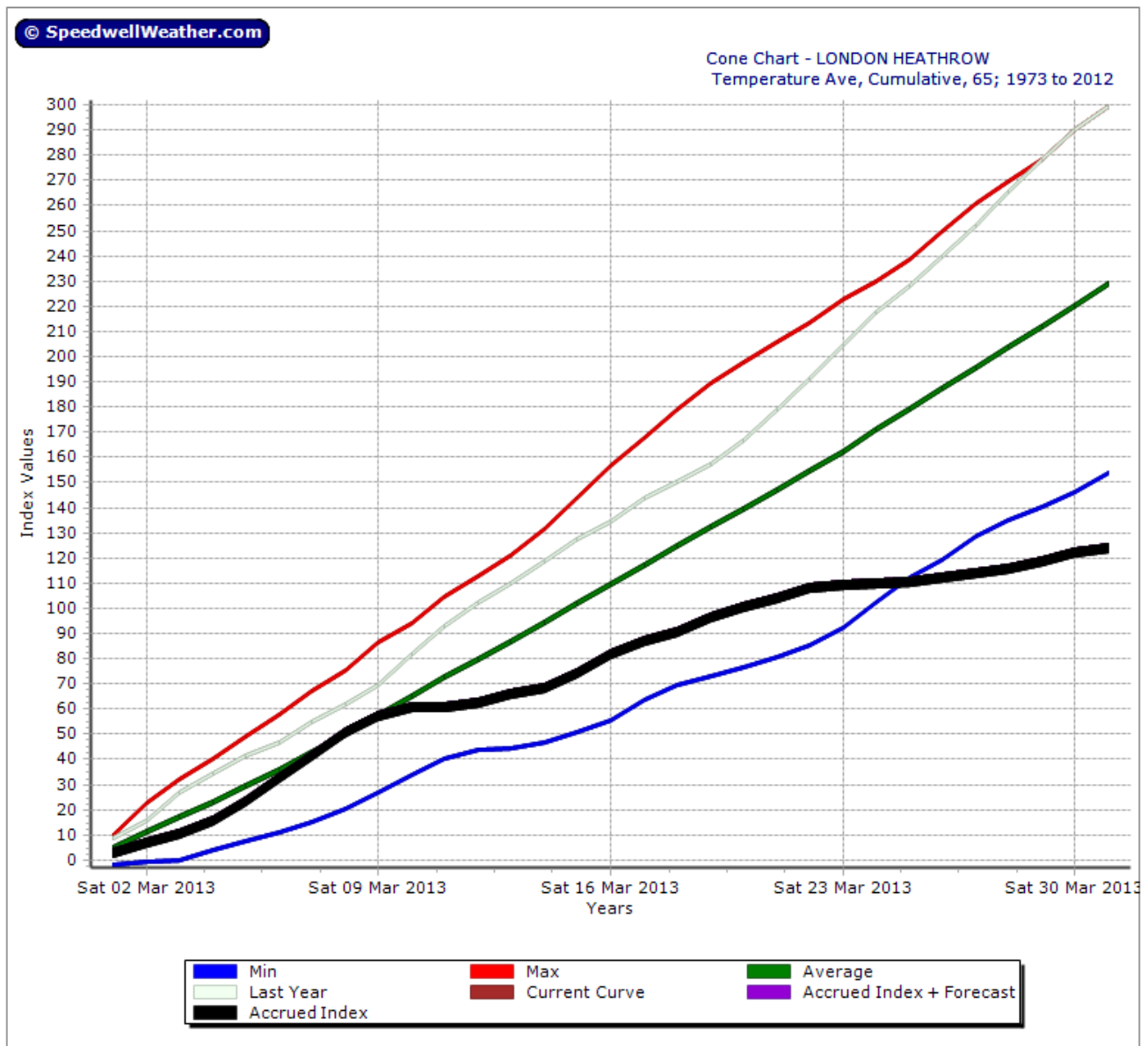




## London UK and Charleston USA March 2013 ...Cold

Both western Europe and eastern USA have experienced a cold March. Here we look at the cumulative temperature in a historical context in the vicinity of the Speedwell offices near London in the UK and in Charleston SC, USA. We use London Heathrow (WMO 03772) and Charleston International Airport (WMO 72208).

Using the Cone Chart tool (<http://www.speedwellweather.com/Pages/Market/MuCone.aspx>) on the Speedwell Weather web site it is possible to plot the evolution of any weather variable over any period and relate it to historic extremes, the previous year and averages. If we do this for the cumulative value of daily average temperatures for London Heathrow in March using data for the last 40 years we see the following:

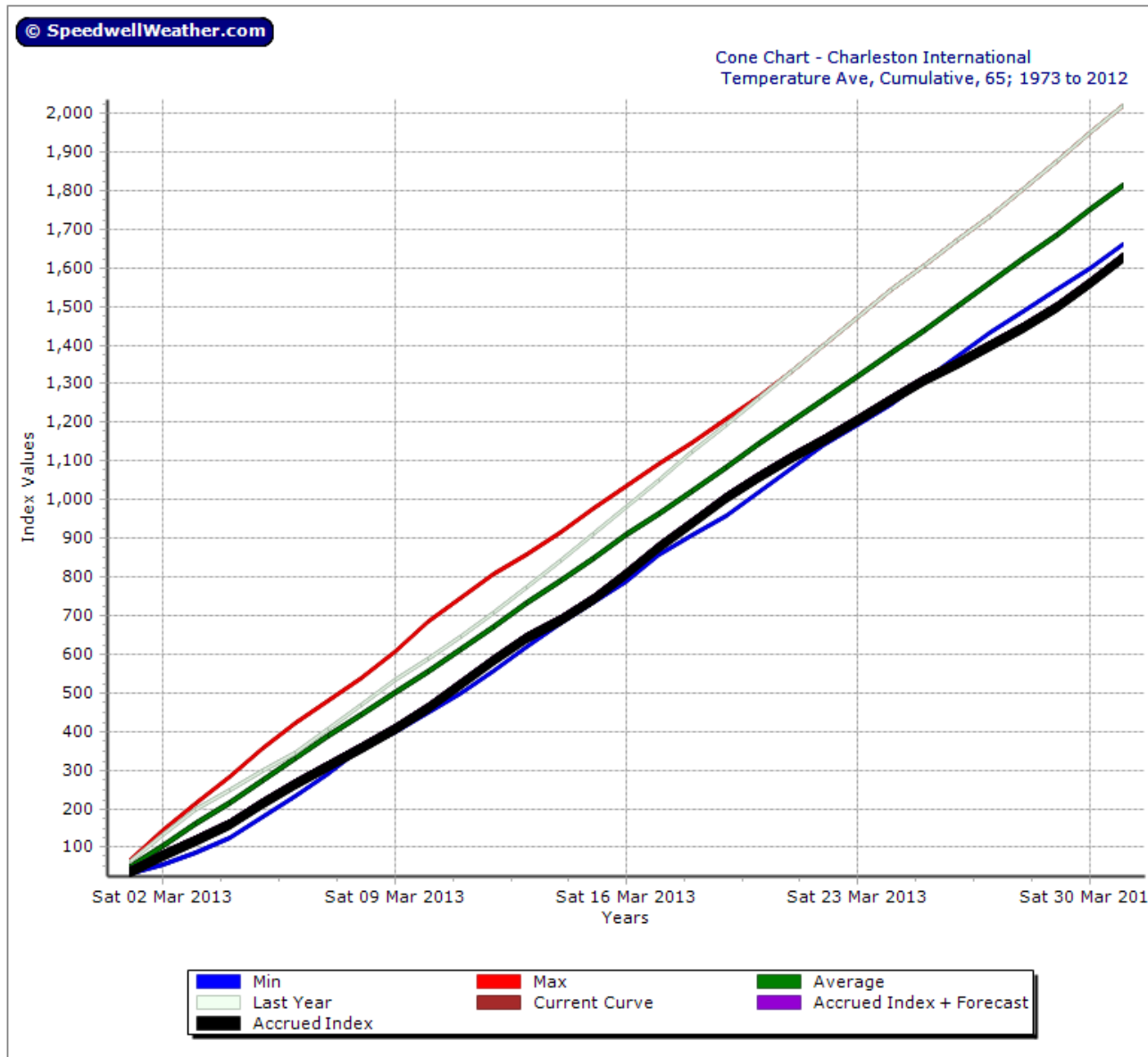


The red line shows the highest cumulative temperature. For example, by 9<sup>th</sup> Mar the warmest was set by 1977 at 86.85. At 23<sup>th</sup> Mar the warmest is set by 1997 with 223.25 and then by the end of the month it is set by 2012 with a value of 300.05. Likewise, the blue line shows the coldest. By Mar 23<sup>rd</sup> this was set by 1987 with



92.90. However, the final few days of March this year were cold enough for 2013 to be the coldest from 25<sup>th</sup> March onwards. The green line represents the average, the white last year and the black the current year.

For Charleston we see this.



## Summary

### London

Over the last 40 years, March 2013 was the coldest at London Heathrow with cumulative average temperature of 125.60 C. The second coldest in the last 40 years was 1987 with 154.40 C. Looking at the full length history from 1951 only 1962 was colder at 106.15 C. Note that 2012 was the warmest March in 40 years with a cumulative of 300.05 C and the second warmest since 1951 (303.65 C)

### Charleston

Over the last 40 years, March 2013 was the coldest at Charleston with cumulative average temperature of 1638.5 F. The second coldest in the last 40 years was 1996 with 1663.50 F. Looking at the full length of history from 1930 March 2013 was the seventh coldest with the coldest ever recorded in 1960 at 1434.00 F. Note that this year's cold March follows last year's warm March which was the warmest in 40 years and the second warmest on record since 1945 (2023.50 F vs. 2036.50 F).




## About the cone Chart Tool

<http://www.speedwellweather.com/Pages/Market/MuCone.aspx>

The Weather Index Cone tool shows the trajectory of a chosen weather index over any chosen index period and projects it using historical averages and/or forecasts, where available. The trajectory is put into context by also showing the previous year and historical extremes. The Cone Chart tool allows the user to choose cumulative, average or HDD/CDD/Critical day type indices.

In the above examples the Cone Chart Tool was configured as follows:



### Weather Index Cone

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The Weather Index Cone tool shows the trajectory of a chosen weather index over any chosen index period and projects it using historical averages and/or forecasts, where available. The trajectory is put into context by also showing the previous year and historical extremes.

**Tip** << >>

If no chart is shown try an earlier period. Not all data sets have latest histories. Please contact us if you require more recent data

Latest 15 Days Forecast: Tue 02 Apr 2013 - Time: 0

*Recalibrated Data Available*

Country	United States	Element	Temperature Ave
Site	Charleston International Airport	Weather Threshold	65
Index Type	Cumulative	End Date	31 Mar 2013
Start Date	1 Mar 2013		

*Available to Premium Subscribers only.*

Calculation Date	2 Apr 2013	Forecast supplier	Speedwell ECMWF Ens
Data Quality	Best (exc. Recalibrated)	Forecast	No Forecast
Data Detrending	No Detrending	Forecast Weight	80%-20% All Days
Final Detrending	No Detrending	Distribution	Normal
Period	40 Years		
Index Weight	No Specific Weights		

Non-subscribed users can access the Cone Chart tool for a restricted number of sample sites.



## Further Information

Regarding world-wide weather data and forecasts please see [www.SpeedwellWeather.com](http://www.SpeedwellWeather.com) or contact:

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Regarding software and consultancy services please see [www.SpeedwellWeather.com](http://www.SpeedwellWeather.com) or contact:

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