



The Long Range Forecasters

2013 March 3-30d ahead Forecast Britain & Ireland

Produced under Solar Lunar Action Technique SLAT 8C– Summary - Detailed weather periods - Maps – Graphs

Including Solar-based likely corrections to apply to Short-range Standard Meteorology Forecasts

Weather Action are the only long range forecasters with independently proven published skill. See www.weatheraction.com

For Short Range localised forecasts - Weathernet personal premium rate service on 09061100445

Confidential

2013 MARCH 30d (8 weather periods) Brit & Ire SLAT 8C forecast issued 25 Feb
Some changes (mostly colder) from 45d issued 15 Feb

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MARCH 2013 – April 1 inc Easter

Headline summary & essential development.

First half mostly cool or cold with some sleet and snow in the North and East. Warm and fine at times especially in South from mid-month. A wet, windy, cool month end.

- The first 12 days has generally Northerly / Easterly or sometimes cyclonic/easterly flow with high pressure to the North of the Europe / NW Atlantic region and the Jet Stream well South of normal.
- From around mid-month more mobile Westerly flow takes-over with often fine High pressure (Azores extension) in the South.
- SW'ly / Cyclonic / NW'ly windy conditions dominate the last 5 days turning northerly 31st Mar / 1st April (Easter Monday) giving probably **the worst Easter Break for decades (Records report later).**

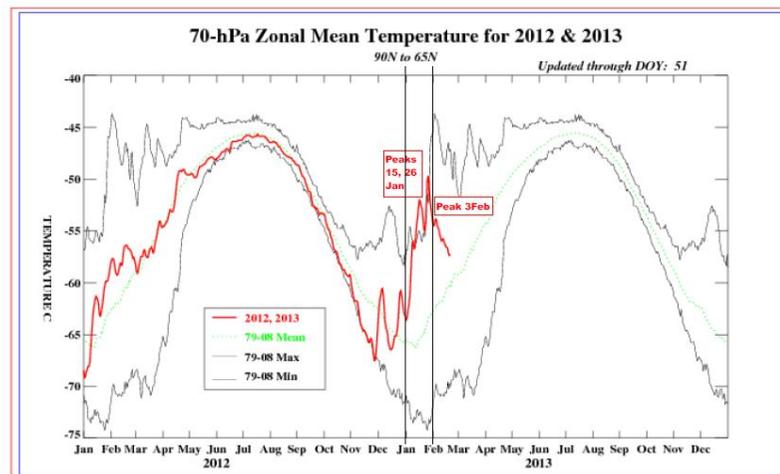
Full details in 8 weather periods pages 2-6

Weather warnings and corrections to short range standard meteorology

Standard short range meteorology TV forecasts will underestimate rain, snow, thunder, tornado risk and wind levels in WeatherAction **R5 and R4 'Red' periods**. In or around those periods the standard Met forecasts from 12/24hrs ahead of precipitation amounts need to be typically ~doubled (or ~more for R5). These factors and modifications needed to improve on TV forecasts are independent of the details of pressure patterns, verified or not, up to these times. Forecast users are welcome to WARN others 24 hours ahead.

Lower stratwarms precede hat-trick of snowy bursts

- Piers Corbyn's snowy outbursts forecasts confirmed.



The third of WeatherAction's Long Range forecasts for 3 major disruptive snow periods in UK/Europe and USA Jan-Feb was confirmed by events in 13-17 Feb period - <http://bit.ly/WT107A> & WeatherActionTV below. **All three snowy blasts** were preceded by lower stratosphere warming peaks as predicted by Piers Corbyn. "This means peaks in lower stratosphere temperature can be used to help medium-range forecast warnings for snowy outbursts in UK-Eire-Eu and USA", he explained to the Morpeth, Northumberland, Arable Farmers Society meeting on 28 Feb, where he gave a presentation on Weather, Climate and Solar activity and showed his graph above for the first time at a public meeting.

- WeatherAction Lower Stratosphere forecast tool report and news: <http://www.weatheraction.com/docs/WANews13No4.pdf>
WeatherAction TV report – VIDEO: <http://bit.ly/R48q37>

Feb 20 Euro cold spell forecast start-date confirmed to the day => p2

Time periods normally accurate to +/- one day. At least 6 of the 8 should be basically correct this month.

Key Solar Lunar Action Periods Solar factors statement and improvements to be made to short-range forecasts when they come on TV are the most confident. Details are generally less certain.

For warning notes and explanation see page 6

Cold spell start Wed 20 Feb UK, Eire & Europe confirms WeatherAction warning of 3 weeks ahead to the day.

18-21 Feb 2013 AB = 80% ●

Mild in South and cold North turns generally cold or very cold with widespread snow showers. Cloudy.

Cold + icy with snow showers becoming very cold (-12C) with heavier snow on coast + hills.

Mostly wet. Mild becoming cold:



WeatherAction Forecast Map issued 15 Jan and again 27/30 Jan – which also shows FOG warning (also confirmed) and extract from 30day forecast graph – Temp Lower Graph, issued 27/30 Jan (right).

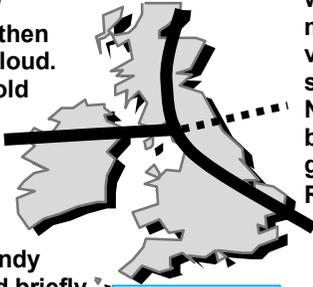
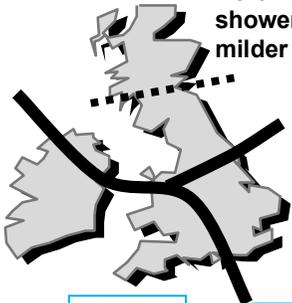
<http://www.weatheraction.com/docs/WANews13No3.pdf>

28 Feb – 3 Mar 2013 B = 75% ●	4-6 Mar 2013 BC = 70% ●
Turning colder from East. Showery in East and South. Mostly dry in North, West and Ireland. Some sleet and snow likely especially in SE parts eg Kent and East Anglia. Essentially as Feb 30d fc	Mostly dry. Showery in N/E with snow / sleet N England and Scotland, especially East parts. (A bit colder than 45day).
<p>Dry turning cold with frosts at night. Bright afternoons, morning mist.</p> <p>Turning Showery; poss wintry on high ground (eg Wales, Wrekin) Bright periods especially Eire.</p>	<p>Snow showers. Mostly cloudy + cold.</p> <p>Probably dry at first then snow/sleet. Cold. Cloudy (esp 5/6).</p> <p>Dry. Cold nights, afternoons normal/mild.</p> <p>Mostly dry, bright periods, cold.</p>
Winds: E'ly /NE'ly strong at times especially SE England.	Winds: NE'ly / N'ly mod/light. Stronger in N Sea.
Temps: Turning cold from E. Less cold relative to norm in Scot.	Temps: Cold, very cold in Scotland & NE England.
Sky: Cloudy, brighter in Scotland and Eire.	Sky: Rather cloudy, brighter in South/West.
Solar Factors: R5 27th to 2 nd ; R3 3 rd .	Solar Factors: R2 5-6th.
<p>Likely possible weather map scenario: High pressure ~ Greenland & / or Scandinavia. Winds vary SE /E/ NE. stronger in R5 period. Low pressure Mediterranean / France and Biscay. Jet Stream South.</p>	<p>Likely possible weather map scenario: High to North & NE partly transfers to Greenland and polar type Lows in Norway Sea / North N Sea / South Scandinavia give cold N / E 'ly flow. Jet Stream South.</p>

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Key Solar Lunar Action Periods Solar factors statement and improvements to be made to short-range forecasts when they come on TV are the most confident. Details are generally less certain.

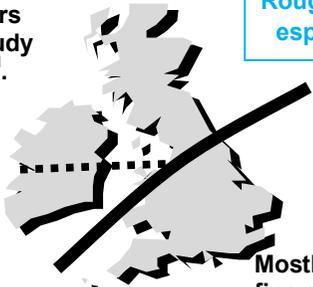
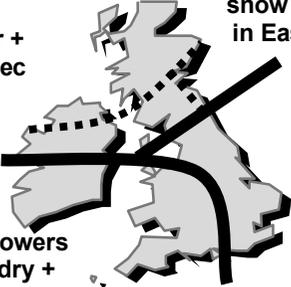
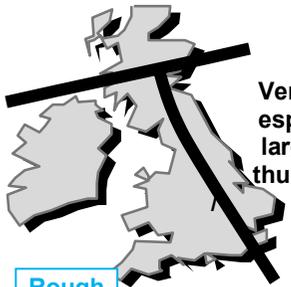
For warning notes and explanation see page 6

7-10/11 Mar 2013 B = 75% ●	11/12-16 Mar 2013 BC = 70% ●	17-20 MAR 2013 AB =80% ●
<p>Windy in Ireland, central parts and East. Snow - possibly heavy, likely in Pennines and North/East parts. Less cold in South for a day or so then colder again from North/East.</p>	<p>Brief Higher pressure 11/12th then blizzards followed by wet and windy weather mainly in West and South especially 13/14th. Mostly dry in North. Heavy rain, thunder and hail in South later.</p>	<p>Wet and windy in Ireland and North and central parts. Gale damage in NorthWest. SE mostly dry. Quieter later. Milder.</p>
<p>Mostly dry, bright / sunny then more cloud. Very cold nights.</p> <p>Wet & breezy / windy then prob much colder / very cold with snow later in North – Heavy / blizzardy on high ground. Rain/sleet south.</p> <p>Wet & windy gales and briefly less cold, then much colder.</p> 	<p>Briefly bright then poss blizzards / sleet as mild air meets cold; then wet + windy and milder with gales thunder + hail damage.</p> <p>Largely dry (especially North Scotland). Snow showers. Turning milder later</p> <p>Snow showers / sleet/ blizzards then wet + windy and milder.</p> 	<p>Becoming mild wet + windy. Gale damage 17/18th esp North/West. Cloudy mild nights. Sunny periods + scattered showers later.</p> <p>Rough Seas esp 17/18th</p> <p>Showery, cloudy, mild, brighter later.</p> <p>Showers + breezy then bright/sunny 19/20th.</p> 
<p>Winds: Cyclonic in South; NE'ly / E'ly in North</p>	<p>Winds: SE / Cyclonic – South becoming E'ly (in North parts).</p>	<p>Winds W'ly. Strong with gales & severe gales 17/18th. Less wind 19/20 becoming NW'ly</p>
<p>Temps: Briefly less cold in SW + Ire then colder /very cold again.</p>	<p>Temps: Becoming mild /milder especially in South .</p>	<p>Temps: Mostly mild in South. North mild nights.</p>
<p>Sky: Rather cloudy, brighter in SW & Ire at times. Scot brighter.</p>	<p>Sky: Cloudy in South from 13th, brighter North.</p>	<p>Sky: Bright / sunny later (19/20) in South. Mostly cloudy in North.</p>
<p>Solar factors: R3 7-9th then NSF/Q.</p>	<p>Solar factors: R4 13-16th.</p>	<p>Solar factors: R4 17-18th then NSF/Q.</p>
<p>Likely possible weather map scenario: A southerly tracking Atlantic Low is blocked in Biscay by High(er) pressure in Europe. High pressure Greenland and polar type Lows over much of (West) Scandinavia. Low in White Sea. Jet Stream South.</p>	<p>Likely possible weather map scenario: New extensive Atlantic Low attacks Ireland / Scotland and is blocked by firm High pressure over Scandinavia and Russia. High pressure North Greenland. Jet Stream South.</p>	<p>Likely possible weather map scenario: Change of circulation. High pressure (Azores extension) in S Ireland and South Britain. Lows tracking to NE through or North of Scotland. Pressure increases later over West Britain & Ireland. Split Jet Stream.</p>

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Key Solar Lunar Action Periods Solar factors statement and improvements to be made to short-range forecasts when they come on TV are the most confident. Details are generally less certain.

For warning notes and explanation see page 6

21-25 Mar 2013 BC = 70% ●	26-29 MAR 2013 BC = 70% ●	30-31 Mar 1 Apr 2013 EASTER B = 75% ●
<p>Showery in Ireland and North West at first, generally dry later except for showers in Scotland. England & Wales mostly dry then dry & sunny 24/25th especially South & Midlands.</p>	<p>Wet and windy in North/ far North with gales & severe damaging gales. Mostly dry and variable skies in South including most of Eire. NI and N Eire more cloud and showers. East wintry later.</p>	<p>Wet and windy in most parts with damaging gales, thunderstorms, damaging hail and high tornado risk. Turning colder later. Snow/ wintry showers likely in Scotland and North/East England later.</p>
<p>Rough Seas esp 21/22</p> <p>Heavy showers + gales + cloudy espec 21/22nd. Few showers later bec mostly dry + brighter especially South Ire.</p>  <p>Rough Seas esp 21/22</p> <p>Mostly dry becoming fine sunny + warm 24/25th.</p>	<p>Wet + windy with gales + severe gales + wind damage (esp NW). Thunder + large hail espec windy 27/28th colder later.</p> <p>Rough Seas</p> <p>Wintry showers / snow on tops in East later.</p>  <p>Dry at first, increasingly showery then wet windy + cold with wintry showers in East parts.</p> <p>Some showers mostly dry + variable sky.</p>	<p>Very wet + windy / stormy. Cold later with snow likely. Cloudy.</p> <p>Very wet & windy especially 31st with large hail+ major thunder turning cold wintry 31st/1 Apr.</p>  <p>Rough Seas</p> <p>Rough Seas</p> <p>Wet + windy with thunderstorms, hail, heavy showers. More bright periods later.</p>
<p>Winds: SW'yly strong/gale in NW 21/22nd. Less wind later.</p>	<p>Winds: W'yly bec Cy-W'yly, NW'yly later in East. While Ireland turns S'yly. Gales / severe gales (damage) especially North West.</p>	<p>Winds: Cyclonic / Cy-W'yly, Cy-N'yly later, severe gales, wind damage especially ~31st.</p>
<p>Temps: Mostly mild becoming warm in South.</p>	<p>Temps: Warm South, turning colder especially in Scotland and N/E England. Ireland milder later.</p>	<p>Temps: Turning cold 31st / April 1st.</p>
<p>Sky: Cloudy in West at first then sunny periods. South/ East mostly fine becoming sunny.</p>	<p>Sky: Cloudy, bright periods in South/ West.</p>	<p>Sky: Thick cloud brighter at times in Scotland.</p>
<p>Solar factors: R3 21-22nd then NSF/Q.</p>	<p>Solar factors: R4 26-29th.</p>	<p>Solar factors: R4 30-31st.</p>
<p>Likely possible weather map scenario: Quite active low pressures in general Westerly flow blocked by Scandinavian High. Then less active Westerly. High Spain. Jet Stream closer to normal.</p>	<p>Likely possible weather map scenario: Powerful dartboard type large low on 'normal' / south track near Iceland heads into central Scandinavia. High pressure South England, France and (west) Germany High West Med. Jet Stream normal / South.</p>	<p>Likely possible weather map scenario: Very mobile in North Europe inc North Britain & Scandinavia. Powerful low tracks between Scotland & Iceland into South Scandinavia and further East. High Pressure central & West Med. Jet stream normal / South.</p>



Easy Look Forecast Graph

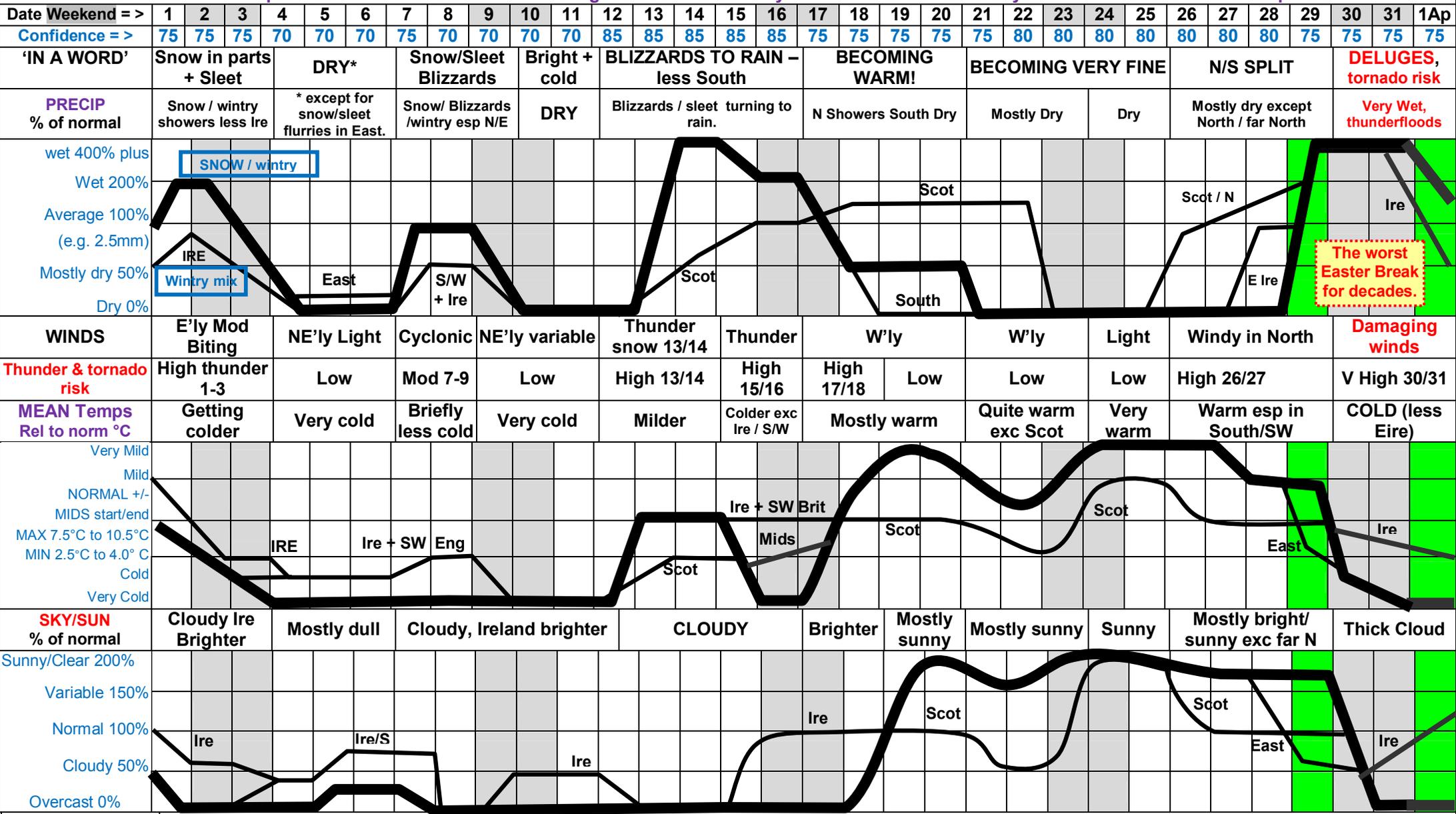
MARCH 2013: 30d ahead update. SLAT8C. Normally accurate to 1 day.

Showing likely rain, temperature & 'brightness' levels around the dates shown, NOT PRECISE DAILY PREDICTIONS.

Weekends & holidays shaded. 1961-90 norms standard.

Region Rest of Britain & Ireland For confidence of each weather period forecast refer to Date row. For possible Alternative Scenarios see notes on maps.

For Solar Factor improvements to Standard Met Short range forecasts when they become available a few days ahead of weather refer to map-tables.



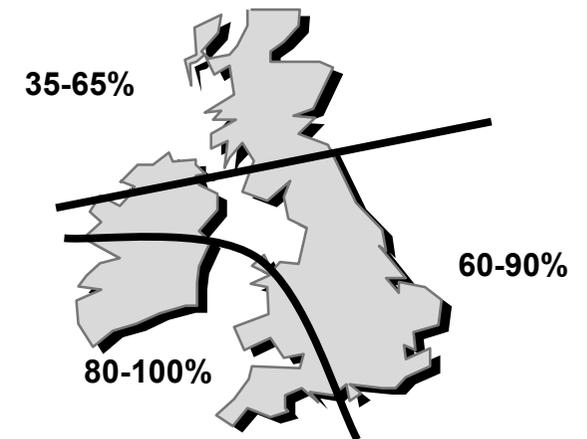
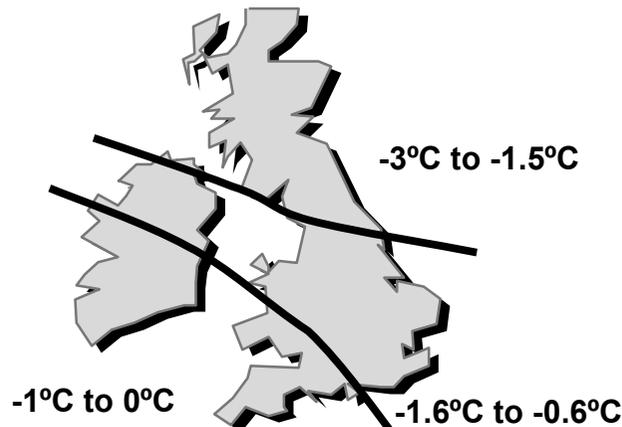
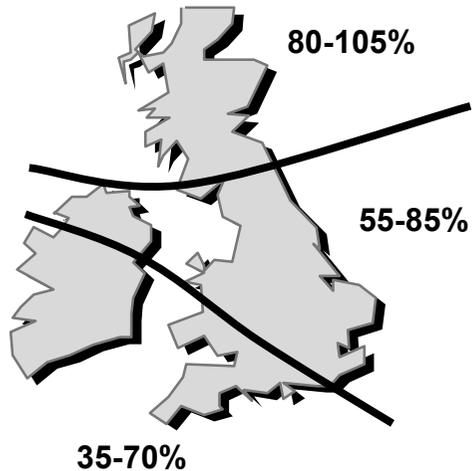
MARCH 2013 SLAT8C Britain & Ireland Forecast deviations from normal.

(rel to 1981-2010 averages)

PRECIPITATION % of normal

MEAN TEMPERATURE deviation from local normal

SUNSHINE/SKY % of normal



Over below normal especially central areas + south parts. North Ireland + Scotland closer to normal.

A month of two halves, with first half very cold. Overall cold especially North, East + Central parts. Eire + SW England closer to normal.

Generally cloudy, South / West parts of Britain and Eire closer to normal

MARCH 2013 Notes & Additional Information

Confidence order: TRS SLAT 8C More confident of temperature than rain / sunshine.

Main uncertainty: Jet stream changes around mid month.

Weather Warnings: Wild variations. Some wind & snow threats in first half. Windy/stormy late month + Easter.

Key SLAP (Solar Lunar Action Periods) Solar factors statement and improvements to be made to short-range forecasts when they come on TV are the most confident of forecast statements. Details are generally less certain. In periods of Extra Activity (EA) [formerly ET (Extra Top) Red, Top Red, etc Now R1-R5 (top)] weather fronts are (much) more active than Standard Met Forecasts (Smfs) as on TV a few days ahead of events - making more rain, cloud, thunder, wind, & tornado risk. R5 (Red 5) = most extreme / dangerous events.

Q = Quieter. NSF = No Specific Solar Factors. JSS = Jet Stream South tendency. JSN = Jet Stream Normal. Confidence levels A (85%), AB (80%), B (75%), BC (70%); C (65%)

Confidence levels

Important information on Confidence and Timing of weather events and weather periods.

'A' - about 85% chance of being essentially right, 15% of being unhelpful.

'B' - about 75% chance of being essentially right, 25% of being unhelpful.

'C' - about 65% chance of being essentially right, 35% of being unhelpful

The Headline summary (page 1) is the most confident summary statement about the month. **The Key weather type development** (page 1) gives main pressure developments through the month. **The detailed most likely weather periods**, typically of around 4 days, are the Solar Lunar Action technique highest resolution long range forecast detail. **They are not to be taken as exact predictions & include confidence levels.**

The weather period timings in period details (p 2-4) are *most likely* core time periods for the weather events or weather types specified. If the events / types occur the core time periods should include the specified events / types on at least 85% of occasions; with a probability of 15% or less that they occur in the wings of an extended time period which is one or two days longer than the given core on each side*. **The time window does not mean that all that period will have certain (e.g.) extreme events** but that they are expected to occur at some time during that period. The most probable sub-parts of periods for events may also be stated. [*Or poss longer in: (i) long weather periods, (ii) longest range forecasts where 1% uncertainty in 300 days ahead is 3 days or (iii) where consecutive weather periods are similar.]