



Confidential to your close organization.
15 to 45d ahead SLAT8B
Brit & Ireland DECEMBER 2012

Delta House, 175-177 Borough High St, London SE1 1HR Tel +44(0)20 7939 9946. www.weatheraction.com

**15-45d SLAT8B Forecast produced
 November 15th 2012**

DECEMBER 2012

Headline summary & essential weather type development.

**Mostly mild, very mild
 at times in South;
 Scotland more wintry.**

Overall bright in South.

**Scotland more unsettled with
 more cloud, rain, gales and cold
 blasts with snow.**

- First week will turn wet and windy / stormy in Scotland and North Ireland while South parts are mostly dry and mild.
- 8-18th will be mainly mild; high pressure block in South and S/E of Britain gives generally mild weather.
- 19-31st stays generally mild or very mild in South parts while conflicting air streams bring snow to Scotland at times.
- A "Green" Xmas Day with a small risk of snow showers in Scotland and more 26-28th.
- Jet stream mostly normal or largely blocked to East / split through Dec 2012.

DECEMBER 2012 Key weather periods – HEADLINES ONLY - Details p 2-3.

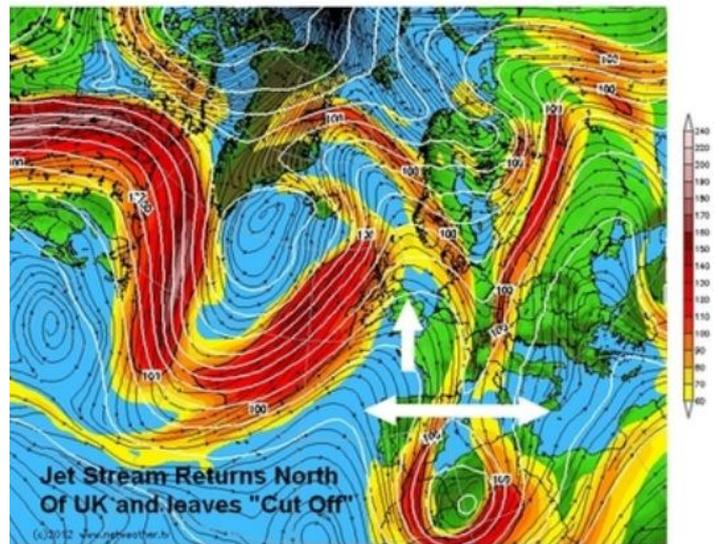
1-4	Dec	Showery and cloudy in most parts at first, colder and brighter later.
5-7	Dec	Wet, windy/ stormy and mild in Nth; some showers and mild / very mild in South.
8-11	Dec	Mostly dry, bright/sunny very mild days. N Scotland more showery and breezy.
12-14	Dec	Mostly dry very mild. Showery in West and North later.
15-18	Dec	Dry, mild/ very mild by day, cold nights. Fog and mist.
19-23	Dec	Generally dry and mild (especially SW); cold with snow blast in N Scotland.
24-28	Dec	Mostly dry and mild by day in South/Central parts; some snow in Scotland, turning heavy 26/27 th - 28 th .
29-31	Dec	Mostly dry/ drizzly and foggy S Ireland & S Britain; mild espec SW. Cold with snow showers N/E Scotland.

Weather warnings and corrections to short range standard meteorology

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



Run: Mon 12/11 18:2 Jetstream (mph) Valid: Mon 12/11 18:00



“Roller Coaster” November, predicted by WeatherAction confirmed by dramatic contrasting and ‘unexpected’ events (from standard Meteorology/BBC view) in UK & Eire, Europe & USA.

- ‘Totally Unexpected’ (BBC) snow Dorset 4 Nov while WeatherAction had long range forecasted snow 1-4th Nov (R4 period) for across much of Ireland and Britain including southerly parts.
- Jet stream cut-off loop 11 Nov associated with sudden cold-mild switch UK and floods Italy alongside a simultaneous cold blast USA confirming WeatherAction USA forecast. (with/following R5 8-10th)

**Full Long Range
 WeatherAction
 Winter Forecasts
 - Now available
 - Spring and Summer
 2013 available shortly.**

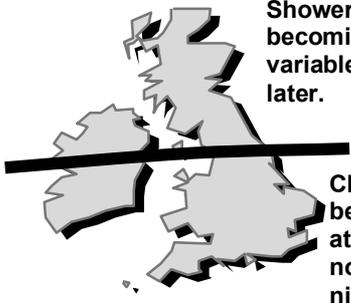
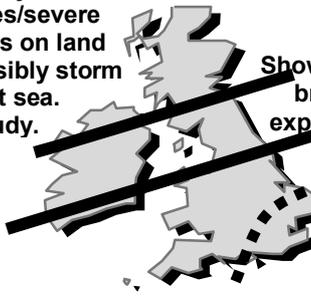
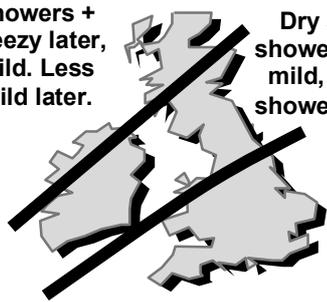
See pages 2-4 for detailed forecast and general information.

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

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.

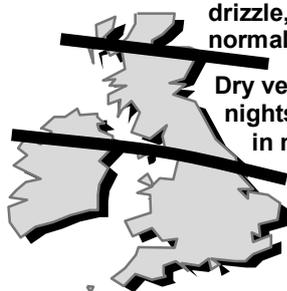
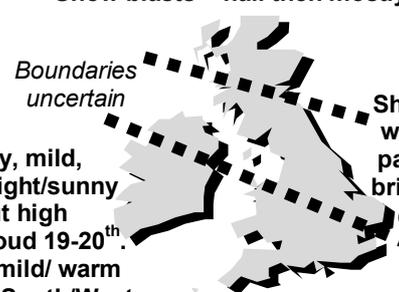
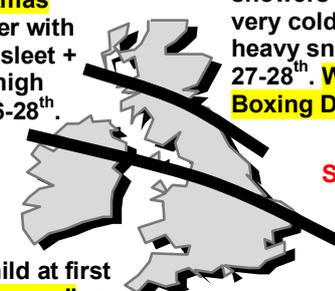
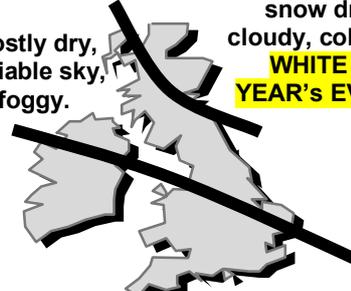
In periods of Extra Activity (EA) [formerly ET (Extra Top) Red, Top Red, etc Now **R1-R5** (top)] weather fronts are (much) more active than Standard Met Forecasts (Smfs) as on TV a few days ahead of events - making more rain, cloud, thunder, wind, & tornado risk. **R5 (Red 5)** = most extreme / dangerous 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%)

<p>1-4 DECEMBER 2012 B = 75% Showery and cloudy in most parts at first, becoming mostly dry, less cloudy / brighter especially in South with nights turning colder. Frost in Scotland later.</p> <p>Wind: Westerly strong in North becoming moderate; moderate becoming light in South. Temp: Close to normal in South, becoming colder in North. Sky: Cloudy at first becoming variable / brighter. Solar Factors: R3 1st December then NSF/Q</p> <p>Likely possible weather map scenario: Active Low probably centred between Scotland and Iceland and moving NE fills slowly over the period. Westerly flow but increasingly of NW/N origin. Jet Stream normal.</p>	 <p>Showsers fade becoming colder variable sky, frosts later.</p> <p>Cloudy at first becoming brighter at times, temps ~ normal. Colder nights later.</p>
<p>5-7 DECEMBER 2012 A = 85% Wet, windy and mostly mild with gales / severe gales in Scot and Northern Ireland. Storm 10 winds possible at sea. Most of Ireland and North England showery / wet and windy. South and South/East less rain with SouthEast probably dry and very mild.</p> <p>Wind: SouthWesterly gales/severe gales in North; breezy in South/East. Temp: Becoming milder, very mild in SouthEast. Sky: Cloudy in North, bright in SouthEast with high cloud. Solar Factors: R5 5-7th.</p> <p>Likely possible weather map scenario: Deep powerful Low centred between Iceland and Scotland tracks NorthEast. Azores High extension through South / SouthEast England to North continental Europe. Cold front penetrates most of Scotland. Jet Stream normal.</p>	 <p>Wet windy + mostly mild. Gales/severe gales on land possibly storm 10 at sea. Cloudy.</p> <p>Showery/wet + windy/ breezy. Gales in exposed parts. Mild.</p> <p>Some showers, breezy, mild (very mild + probably dry in SE). Mostly bright.</p>
<p>8-11 DECEMBER 2012 AB = 80% Mostly dry and bright or sunny except for North Scotland - showery and breezy especially later. Becoming very mild / warm in South East. Ireland dry and mild / very mild except North West - more cloud and possibly showery later.</p> <p>Wind: South/South West light; very light in England and Wales. Temp: Mild, very mild in SouthEast. Sky: Mostly bright / sunny. Solar Factors: NSF/Q then R3 10/11th.</p> <p>Likely possible weather map scenario: High pressure centred over Germany / France dominates most of Britain. Low pressure in Scandinavia affects North Scotland. Jet Stream normal.</p>	 <p>Dry, then showery + breezy later.</p> <p>Mostly dry + mild more cloud + possible showers later.</p> <p>Dry, mild becoming very mild. Very mild / warm in South East. Bright / sunny. Misty mornings.</p>
<p>12-14 DECEMBER 2012 B = 75% Dry, V mild/warm and often sunny in South and Midlands and Wales. Ireland and North Britain dry start and some showers later (especially for NorthWest) and continuing mild.</p> <p>Wind: Variable light in South. South/SW light; Moderate in North. Temp: Mild. Very mild/warm in South. Sky: Bright/sunny in south. More cloud in North parts later. Solar Factors: NSF/Q then R4 13-14th.</p> <p>Likely possible weather map scenario: High pressure centred over South/SE England and NW France with Low pressure blocked out to North and West of Britain and Ireland. Mobile situation North with Los tracking into Central Scandinavia and through Baltic. Jet Stream normal.</p>	 <p>Dry start, showers + breezy later, mild. Less mild later.</p> <p>Dry start some showers later; very mild, more cloud showers mild later.</p> <p>Dry V mild / warm sunny, more variable sky/ cloud later.</p>

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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%)

<p>15-18 DECEMBER 2012 A = 85%</p> <p>Dry, mild or very mild and sunny / bright over most of Britain and Ireland. Widespread morning mist and fog gives travel problems especially in North parts and Midlands.</p> <p>Wind: Variable light. Moderate NorthWesterly in North East. Temp: Very mild; closer to normal in North Scotland. Sky: Bright / sunny buy tog and mist in mornings. Solar Factors: R2 16-17th.</p> <p>Likely possible weather map scenario: High pressure centred over South Britain and Ireland. Low pressure centred over East Scandinavia / Baltic States. Jet Stream North / split.</p>	 <p>A few light showers/ drizzle, temperatures normal/ mild.</p> <p>Dry very mild. Cold nights, mist + fog in mornings.</p> <p>Dry, very mild days; cool nights; morning mist.</p>
<p>19-23 DECEMBER 2012 B = 75%</p> <p>SW – NE Contrast. Dry, bright and mild by day over most of England, Wales & Ire with cool nights and morning fog/ mist. N Scotland unsettled and mostly cold with snow at first. S Scotland, N Ire & N England some showers then dry, bright & quite mild.</p> <p>Wind: North Westerly strong at first in North Scotland, otherwise mostly moderate/ light. Temp: Mild/ warm in South/ South West; cold for North Scotland. Sky: Bright in S central parts (with fog). N Scot cloudy and snow 19-20. Solar Factors: R5 19/20th but blocked then NSF/Q</p> <p>Likely possible weather map scenario: High pressure (extended Azores High) Biscay/ SW Britain and Ireland covering most of England and Ire while deep powerful Lows develop North of Scot heading into South Scandinavia. Jet Stream split.</p>	 <p>Snow blasts + hail then mostly dry.</p> <p>Dry, mild, bright/sunny but high cloud 19-20th. V mild/ warm in South/West.</p> <p>Showers sleet/ wintry/ hail in parts then dry bright + overall quite mild.</p> <p><i>Boundaries uncertain</i></p>
<p>24-28 DECEMBER 2012 BC = 70% CHRISTMAS PERIOD</p> <p>Generally dry, mild, cloudy and slack in South and central parts 24 & 25th while colder in North Scotland. Turning generally colder with snow in Scotland from Boxing Day 26th and heavy in North & central Scot 27/28th. Rain and hail in S Britain and S Ireland.</p> <p>Wind: Slack/ cyclonic in S at first, largely N/NW'ly later espec in North. Temp: North-South split: mild in South at first, colder later. Sky: Variable cloud, generally cloudy later. Solar Factors: R2 24-25th; R3 26-28th.</p> <p>Likely possible weather map scenario: High pressure to South of British Isles in France and Germany with variable Low pressures to North and NorthEast. Active Low pressure probably becomes established in North Sea between Scotland and Scandinavia later in period. Jet Stream partly blocked.</p>	 <p>Mostly mild with "green" Xmas day. Colder with rain, hail, sleet + snow on high ground 26-28th.</p> <p>Cold with snow showers turning very cold with heavy snow likely 27-28th. White Boxing Day likely.</p> <p>Note: Scandinavia v cold.</p> <p>Mostly mild at first with "green" Xmas Day; turning colder from 26/27th with rain.</p>
<p>29-31 DECEMBER 2012 BC= 70%</p> <p>Mostly mild and dry/drizzly except cold with snow showers North and East Scotland especially New Year's Eve. SW very mild with drizzle and cloud. Northern Ireland, North England and West Scotland mostly dry with variable sky. Widespread fog and mist.</p> <p>Wind: Northerly in North/East Scotland; SouthWesterly in South/West. Temp: Mostly mild except colder NorthEast Scotland. Sky: Cloudy; brighter Northern Ireland and NorthWest Britain. Solar Factors: NSF/Q</p> <p>Likely possible weather map scenario: Slackish Low pressure to West of Ireland and cold Low pressure Scandinavia. A slack "col" over Britain and Ire. Greenland High linked to Iceland. High pressure France & Spain. Jet Stream becoming South.</p>	 <p>Snow showers/ snow drizzle; cloudy, cold, foggy. WHITE NEW YEAR's EVE likely</p> <p>Mostly dry, variable sky, foggy.</p> <p>Mostly dry/ some drizzle, mild + cloudy, fog + mist (SW very mild).</p>



Information and Advice on Application of forecasts and Confidence and Timing of weather events & weather periods.

This Britain & Ireland forecast is part of Weather Action's European forecast & North Atlantic area which is bounded by, Iceland, Newfoundland, Gibraltar, Lebanon, The White Sea & Svalbard. The clarifications here apply to all WeatherAction forecasts.

The headline summary (page 1) is the most confident summary statement about the month. **The essential weather type development** (page 1) gives essential 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 and include confidence levels.**

The weather period timings in period details 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* [*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]

A weather-time window does NOT mean that ALL that period or region will have certain (eg) extreme events but that specified events are expected to occur at some time and parts of the region specified during that period. The boundaries of regions are uncertain. The most probable sub-parts of periods for events may also be stated.

Confidences in weather periods.

'A' - about 85% chance of being essentially right & 15% of being in error.

'B' - about 75% chance of being essentially right & 25% of being in error.

'C' - about 65% chance of being essentially right & 35% of being in error.

How to get the best from WeatherAction Long Range Forecasts!

1. Print off your copy and keep it with you.
2. Look for what you need to know especially Red Warnings.
3. For day by day detail; when Short Range TV forecasts appear modify what you see towards the WeatherAction long range forecast.
4. Even if the WeatherAction general scenario is not confirmed you can still apply solar factors to standard TV forecasts to indicate how those should be modified – eg to more wet /windy / thunder/tornado risk - when in a major SLAPs / Extra Activity 'Red' period.

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Weather Action's forecast skill has been independently peer-review verified in the Journal of Atmospheric & Solar-Terrestrial Physics Vol 63 (2001) p29-34, Dennis Wheeler, Univ of Sunderland.] and by independent monitors and scientific weather bets. For further information visit www.WeatherAction.com / Forecast accuracy.

Presentations / Research Reports by Weather Action / Piers Corbyn on Solar Activity / Climate Change/Global warming available including at the Russian Academy of Sciences Moscow (2004); Institute of Physics London (2007), & events in New York; UK Parliament (Transport Select Committee on Dec 2010 supercold spell); London Petrophysical Society, Royal Meteorological Society of East Anglia, Imperial College, Insurers Property Forum 2011, USA Coal Forum New York 2011, University of Colorado 2011, Congress of Brilliant Minds Madrid Nov 2011, FC Stone Commodity Forum Nov 2011, London Oratory School Dec 2011;

2012: SW farmers event Jan 2012, The Greenest Event Johannesburg South Africa 5 June 2012, National Forecasting Conference Nelson Mandela Metropolitan University Port Elizabeth South Africa 19-21 Sept 2012, 'Green's not Working' Climate Fools Day event UK Parliament 31 Oct 2012, Plant Engineers Forum ea-technology Capenhurst Chester UK 14 Nov 2012.

● To arrange Presentations and for other and upcoming events reports and publicity see www.WeatherAction.com , @Piers_Corbyn (twitter) and FaceBook or Enquire piers@weatheraction.com

WeatherAction, Delta House, 175-177 Borough High St, London SE1 1HR. Tel +44(0)20 7939 9946