



Confidential to your close organization.  
**60 (55) day ahead SLAT9A**  
**Brit & Ireland September 2013**

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**KEY WEATHER, 60(55) day ahead with SLAT9A in 8 weather periods with maps and NEW Central England Temperature (CET) Tracker forecast in each period.**

Forecast produced 8th Aug 2013

## SEPTEMBER 2013

Headline summary & essential weather type development.

**Overall cold and wet in England, Wales & Ireland. Scotland cold mostly drier than normal and fine. Two major spells of heavy rain, damaging hail thunder and flash floods mainly in South parts.**

**First 3 weeks close to normal for mean temps with some warm days, the last 9 days turn notably cold with frosts in parts. Nights colder relative to normal than days. CET below normal.**

**Rain largely in short spells of extreme bursts especially in Ireland, Wales and South/Central England.** Main wet+hail and thunder / windy spells – particularly in South parts: ~1<sup>st</sup> (continuing from Aug); 13-16<sup>th</sup> (**R5+**) and 27-30<sup>th</sup> (**R5**). Number of Rain-days likely below normal.

### General Developments

Frequent high pressure domination particularly in Scotland. Ireland and North England giving NE'ly flow especially in East parts.

Intense cyclonic attacks are partially blocked with Lows crossing (South) Ireland and Britain. **Land, Sea and Air travel disruption likely in South parts.**

Jet Stream in the region is often south of normal or blocked / split this September.

**See p 2-3 for detailed forecasts inc CET Tracker and maps and p4 for general information**

### 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 standard Met / 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.

The changes in circulation giving these weather patterns will be driven by changes in the Solar-Lunar factors which govern the behavior of the Jet stream and are predictable by WeatherAction's revolutionary Solar-Lunar-Action-Technique (SLAT9A) months ahead and nothing to do with CO2 changes which have no effect on climate or weather. Wild extremes are consequences of the Wild Jet Stream / 'Mini Ice Age (ie on average significantly colder) Climate decades the world has entered.

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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 – ‘Red Weather periods’, 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><b>1-4 SEPTEMBER 2013 BC = 70%</b>  <b>After a showery / wet start in Ireland and West / South Britain it turns mostly dry, fine and quite warm by day especially in Midlands and South / SE. Nights cold especially later.</b>  <b>Winds:</b> SW/ly mod/strong in Nth, SE'ly bec NE'ly mod in South.  <b>Temps:</b> Cool start turning quite warm by day espec in Mids and NW. Cold nights make means <b>CET</b> close to norm.  <b>Sky:</b> Cloudy in West/South bec generally finer.  <b>Solar Factors:</b> <b>R4</b> 1<sup>st</sup> NSF/Q 2-4<sup>th</sup> Sep.  <b>Likely possible weather map scenario:</b>            Active Low attacks Ireland and W/SW Britain and then split systems likely with Low(er) pressure over Channel - N France – N sea and towards Iceland <b>Jet Stream becomes Split / blocked.</b></p>	
<p><b>5-7 SEPTEMBER 2013 AB = 80%</b>  <b>Generally dry fine and warm especially British Midlands and South. Some showers NW Ireland and NW Scotland. Cool nights with misty mornings.</b>  <b>Winds:</b> S/SW'ly light. Mod SW in NW Scotland  <b>Temps:</b> Warm days espec S/E; cool nights. Mean <b>CET</b> just above norm.  <b>Sky:</b> Sunny most of England &amp; Wales. More cloud to NW.  <b>Solar factors:</b> <b>R2</b> 5-7<sup>th</sup>.  <b>Likely possible weather map scenario:</b>            High pressure sinks South and dominates South + Central Britain, France, NW Germany &amp; Low countries. Atlantic Low to W/N. <b>Overall ‘deep Split Jet’ with Low Central + E Med.</b></p>	
<p><b>7/8-9/10 SEPTEMBER 2013 BC = 70%</b>  <b>Showers in Ireland (esp South), South and then South /East Britain. Scotland (and N Ireland &amp; N England later) dry and bright. Turning cold in cold NE'ly air stream later.</b>  <b>Winds:</b> Variable /cyclonic-east mod in South then NE'ly mod/light  <b>Temps:</b> Turning cold espec in East. <b>CET</b> mean cold.  <b>Sky:</b> cloudy in S/W turning mostly bright espec Scot  <b>Solar factors:</b> <b>R3</b> 8-9<sup>th</sup>.  <b>Likely possible weather map scenario:</b>            Moderately active low attacks West &amp; South as high ‘transfers’ North to become centred Scotland/ NW of Scotland and Low develops in Denmark / N sea. <b>Jet Stream: Split /blocked.</b></p>	
<p><b>10/11-12/13 SEPTEMBER 2013 A = 85%</b>  <b>Dry warmish afternoons, espec Scotland and NorthWest rel to normal, cold nights, frosts in many parts.</b>  <b>Winds:</b> Light NE'ly (more E'ly in South).  <b>Temps:</b> Warmish/normal afternoons in Scotland &amp; NW, otherwise gen normal / cold days and cold nights (frosts Nth). <b>CET</b> cold.  <b>Sky:</b> Mostly fine and sunny/bright espec in Scotland + NW.  <b>Solar factors:</b> <b>NSF /Q.</b>  <b>Likely possible weather map scenario:</b>            Large Scandinavia High extends SW over most of Britain &amp; Ireland. Large area of Low pressure Central Med/Europe. Also Lows S Spain and Black Sea. <b>Jet Stream: Partial split, main branch well South. Weak N branch stalled in Atlantic.</b></p>	

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<p><b>13-16 SEPTEMBER 2013      A = 85%</b>  <b>Extremely unsettled in South with heavy rain, major thunderstorms, large damaging hail, and flash floods. Strong winds, tornado events likely. Travel problem roads air and sea – channel crossings disrupted. Scotland &amp; North heavy showers. Cloudy. Cool days.</b></p> <p><b>Winds:</b> Cyclonic / Cy – NE'ly, severe gales in Channel.  <b>Temps:</b> Days cool, nights not cold. Overall <b>CET</b> normal.  <b>Sky:</b> Thick cloud.  <b>Solar factors:</b> <b>double R5+</b> stack, 13-15 and ;15-16. (NOTE 15<sup>th</sup>!)</p> <p><b>Likely possible weather map scenario:</b> Very active Low(s) &amp; sub lows attack S/W parts and track through England. Azores High pushed well south but reaching S Spain - partially recovers later. Higher pressure Scotland &amp; N/W of Scotland. <b>Jet Stream: Blocked JSX (not cut off High Europe but could be elsewhere).</b></p>	
<p><b>17-22 SEPTEMBER 2013      A = 80%</b>  <b>Fine dry quite sunny. Warm afternoons, less warm SE. Nice in sun, shade cool especially mornings. Misty. Cool/Cold nights. Some ground frosts.</b></p> <p><b>Winds:</b> Light NE'ly in most parts.  <b>Temps:</b> Warm days espec Ireland cold/cool nights <b>CET</b> mostly warmish.  <b>Sky:</b> Sunny more cloud in SouthEast. N Sea coast dull.  <b>Solar factors:</b> NSF/Q 17-19; <b>R1</b> 20-21.</p> <p><b>Likely possible weather map scenario:</b> Large area of High pressure extends from Scandinavia through Scotland and Centre-West Britain/Ireland and West Biscay. Large area of shallow Low(er) pressure centred ~Low countries/Demark moving NE. Low pressure ~Azores. High over Britain becomes partly separated from Scandinavia. <b>Jet Stream blocked.</b></p>	
<p><b>23-26 SEPTEMBER 2013      BC = **70%</b>  <b>Cold especially by day and showery mainly in Ireland and West / Southwest. Turning cold / very cold from NW.</b></p> <p><b>Winds:</b> Variable S'ly (Returning Polar) briefly then cyclonic (in S/SW)  <b>Temps:</b> Cold especially later in most parts. <b>CET</b> Cold / very cold  <b>Sky:</b> Increasing cloud, thick in NorthWest.  <b>Solar factors:</b> NSF, <b>R2</b> 23-24</p> <p><b>Likely possible weather map scenario:</b> High pressure moves East and large area of Low pressure from NorthWest moves into Ireland and Britain and moves** East bringing (returning) air from North. Pressure increases over Iceland. Low pressure Spain. <b>Jet Stream becomes South / blocked. NAO (North Atlantic Oscillation Index) decreases. (**track uncertain)</b></p>	
<p><b>27-30<sup>th</sup> Sept /1<sup>st</sup> Oct 2013      AB = 80%</b>  <b>Very wet and windy in Ireland, Wales and Central / S England with torrential rain, large damaging hail, thunderstorms and tornadoes likely. Scotland mostly dry with broken skies and high cloud.</b></p> <p><b>Winds:</b> Bec Cyclonic-SE, Severe gales in Channel.  <b>Temps:</b> Cold espec by day. <b>CET</b> cold.  <b>Sky:</b> Thick dark clouds in Ire and South Britain. Scotland brighter.  <b>Solar factors:</b> <b>R4</b> 27<sup>th</sup>, <b>R5</b> 28-30<sup>th</sup></p> <p><b>Likely possible weather map scenario:</b> New very active Low pressure attacks from West and centre probably tracks over SW Ireland and SW England into Channel, N France + S Germany. Azores High pushed South. Scandinavia High extends to Shetland + far N/NE Scotland. <b>Jet Stream: Blocked / South.</b></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 in 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 / snowy /windy / thunder/tornado risk - when in a major SLAPs / Extra Activity 'Red' period.

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**Presentations / Research Reports** by Weather Action / Piers Corbyn on Solar Activity / Natural Climate Change 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

**2013:** 21JAN201 Wilts Grain AGM Amesbury High Posts Golf 3; 28 Feb 2013 Arable Farmers Morpeth 5 Feb Cable Engineers Forum e-at technology Capenhurst UK; 21 Mar Overhead Line Engineers e-a technology Capenhurst UK; 9 April Agricultural Engineers Association 1 Gt George St SW1; 17 April Sterling Claims Day Insurance, Kings Hill Kent UK 15-17 May, GAFTA Grain and Feed Trades Association Conference Kempinski Hotel Geneva

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