



2012 December 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

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The Long Range Forecasters

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2012 DECEMBER 30d (8 weather periods) Brit & Ire SLAT 8C forecast issued 30 November 2012.

- SOME CHANGES TO 45d ISSUED 15 NOVEMBER

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DECEMBER 2012

Headline summary & essential weather type development.

Battle of Britain

Dramatic mild/cold and snowy switches through the month. Eire and SW Britain quite often mild. Scotland and N/E England more wintry with snow and blizzards at times.

- After a cold blast with snow in parts the first week will turn wet and windy / stormy in West and North parts while South East parts are mostly dry and mild.
- An on-going 'battle of Britain' follows with wintry blasts at times mainly in North/East and milder in West/South. Eire is mostly mild.
- Often generally mild in the West/South parts for 19-31st while conflicting air streams bring snow to North/East parts including possible blizzards in North Scotland around 19/20th.
- A "Green" Xmas Day for most with a small risk of snow showers in Scotland and more snow 26-28th.
- Jet stream variable and largely blocked at times.

December 2012 Key weather developments:

While Scandinavia and much of Continental Europe will be often extremely cold and the Greenland High will extend South at times, vigorous attacks of mild air from West/SW directions will keep the extreme cold largely away from most of Britain and Ireland.

This results in marked S/W vs N/E contrasts and snow on the leading edge of mild attacks from the West or on arctic blasts from the North.

Slat 8C is intended to help deal with these uncertain conflicts.

For details in 8 weather periods through December see p 2-5.



Mild 'roller-coaster' storm and floods trash UK, Eire, on WeatherAction cue

- **'Top Red' R5 period in ~22-24 Nov confirmed**

The major storm and sudden warming of Britain, Ireland & NW Europe, and the subsequent flooding were all confirmed with superb timing around the Weather-Action 'Top Red' R5 period 22-23rd and associated weather period 22-24th

These and other events in November confirmed WeatherAction's 'Roller-Coaster' headline for the month and their association with solar events. See P2

- PIC: Flood Somerset, see <http://www.dailymail.co.uk/news/article-2239646/UK-flood-warnings-Families-flee-condemned-houses-huge-clean-operation-begins.html>
- A simultaneous cold blast in N USA was also confirmed: <http://bit.ly/Sdscll>

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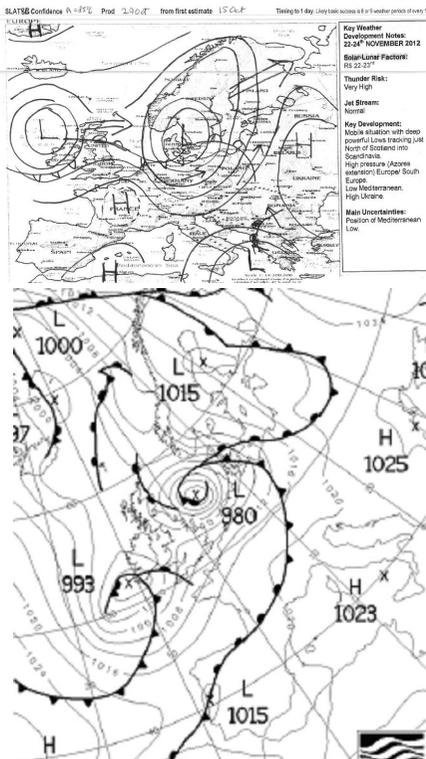
Time periods normally accurate to +/- one day. At least 6 of the 8 should be basically correct this month.

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. Details are generally less certain.

For warning notes and explanation see page 6

Weather Action 25 day ahead forecast 'Possible Pressure scenario' and Met Forecast 24hr ahead show remarkable match

WeatherAction forecast Possible Pressure scenario for Nov 22-24 (+/- 1day) detail issued 29Oct & MetO forecast for 25th 12z issued 24hr ahead [NOTE relative rotation of images] match remarkably well in terms of the pair of mobile Lows. Timing is within W-A uncertainties. Importantly Standard Met forecast maps from even 3 or 4 days ahead did not show such a succession of lows and high mobility tracking so far South. See <http://bit.ly/Ty5nRY> for the eg 33hr ahead standard meteorology forecast for the then expected most active map - of 22nd 09z.



Piers Corbyn said: "These extreme events are solar-lunar driven which is why standard Meteorology cannot foresee what we can. There was more floods than we first expected but our forecasts also warn that in R5 periods standard Met forecasts of rain, and snow will need to be at least doubled. This was confirmed by events".

1-4 Dec 2012	B = 75%	5-7 Dec 2012	A = 85%
<p>Wintry showers with snow on higher ground in Scotland and North East England. Turning more cloudy and milder later in Ireland. Thick fog in many parts especially Midlands. (Colder and less mobile than 45d).</p>		<p>Becoming wet (snow on leading edge turning to rain), windy and mostly mild with gales / severe gales in Northern and North central parts. Storm 10 winds possible at sea. South and South/East less rain with South East probably dry and very mild. (Changed from 45D to Jet Stream further South).</p>	
<p>Winds: Northerly moderate becoming light in East & Central parts. Variable in Ireland becoming Southerly.</p>	<p>Winds: South westerly gales / severe gales in North; breezy in South / East.</p>		
<p>Temps: Mostly cold; less cold in West. Frosts.</p>	<p>Temps: Becoming milder, very mild South West Ireland & England.</p>		
<p>Sky: Turning brighter but foggy in central parts.</p>	<p>Sky: Cloudy in North, variable sky in South East.</p>		
<p>Solar Factors: R3 1st December then NSF/Q.</p>	<p>Solar Factors: R5 5th-7th.</p>		
<p>Likely possible weather map scenario: Blocking High pressure over most of Britain and Ireland is slowly attacked from West and shifts Eastwards and starts to break as Low pressure approaches Ireland / Scotland.</p>	<p>Likely possible weather map scenario: Deep powerful Lows centred to West of Ireland / Scotland track to NorthEast / East. Azores High extension through France / South / South East England to North continental Europe. Cold front penetrates most of Scotland. Jet Stream somewhat South of Normal.</p>		

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8-11 Dec 2012 A = 85% ●	12-14 Dec 2012 BC = 70% ●	15-18 Dec 2012 BC = 70% ●
<p>Becoming cold and snowy in Scotland and North / North East England. Mostly dry and bright and mild in SouthWest England and South West Ireland. North Ireland colder with showers later. (Some changes from 45D).</p>	<p>Wintry then wet and windy in North. Dry, mild and often bright in South and Midlands and Wales. Ireland and North Britain dry start, showers later and turning milder. (Some changes from 45D).</p>	<p>Wintry showers in much of Scotland. Variable in South Scotland, North Britain and North Ireland. Generally dry, mild and bright over South Britain and South Ireland. Widespread morning mist and fog gives travel problems especially in Midlands. Big temperature fluctuations day and night in Midlands / South. (Some changes from 45D).</p>
<p>Probably dry, variable sky.</p> <p>Dry + bright, quite mild by day.</p> <p>Snow showers – heavier 10/11th cloudy.</p> <p>Sleet & snow showers later, cold.</p>	<p>Snow + wintry showers then wet + windy + mostly mild.</p> <p>Dry start some showers later, mild later.</p> <p>Dry very mild / sunny or more bright variable sky / cloud later.</p>	<p>Wintry showers / drizzle, temps normal / cold.</p> <p>Dry, mild. Cold nights, mist + fog in mornings.</p> <p>Dry, mild days; cold nights.</p>
<p>Winds: North Westerly strong (gales at Sea) in North; Moderate / Light in South.</p>	<p>Winds: Westerly / variable light in South. Mod/strong (later) in North</p>	<p>Winds: Variable light. Moderate North Westerly in North / NorthEast.</p>
<p>Temps: Cold in North, NE & central parts; Mild by day in SouthWest / South Ireland.</p>	<p>Temps: Mild in South; cold/normal in North.</p>	<p>Temps: Mostly mild; closer to or below normal in North Scotland.</p>
<p>Sky: Cloudy and dull in North & Midlands. Bright in S/W.</p>	<p>Sky: Bright/sunny in South. More cloud in North espec later.</p>	<p>Sky: Bright South variable sky / Cloudy in North.</p>
<p>Solar Factors: NSF/Q then R3 10/11th.</p>	<p>Solar Factors: NSF/Q then R4 13-14th.</p>	<p>Solar Factors: R2 16-17th.</p>
<p>Likely possible weather map scenario: High pressure centred over France dominates South of Britain. Low pressure in North Sea / Scandinavia. High pressure (Greenland extension) to North / West of Britain. Jet Stream blocked.</p>	<p>Likely possible weather map scenario: High pressure centred over South and France/Biscay with Low pressure largely blocked out to West of Britain & Ireland. Quite mobile situation North with Lows tracking into Central Scandinavia and through Baltic. Jet Stream Normal.</p>	<p>Likely possible weather map scenario: High pressure centred over South Britain and Ireland. Low pressure centred over Scandinavia / Baltic States. Jet Stream North / split.</p>

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19-23 Dec 2012 B = 75% ●	24-28 Dec 2012 BC = 70% ●	29-31 Dec 2012 BC = 70% ●
<p>SW – NE contrast. Dry, bright and mild by day over most of South & West England, Wales & Eire with cold nights and morning fog / mist. Scotland unsettled and mostly cold with snow. North Ireland & North England snow, which lessens later. (Similar to 45D but pattern shifted a bit South).</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 South Britain and South Ireland. (Some changes from 45D).</p>	<p>South / West mostly mild and dry or drizzly at times. Scotland and NE England cold with snow showers 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. (Some changes from 45D).</p>
<p>Snow blasts + blizzards (less later) . Note alternative is heavy rain and floods if not cold enough for snow.</p> <p>Dry, mild, bright but high cloud 19-20th.</p> <p>Showers sleet / wintry / hail in parts then dry, bright + overall quite mild.</p>	<p>Mostly mild with "green" Xmas day. Colder with rain, hail, sleet + snow on high ground 26-28th.</p> <p>Mostly mild at first with "green" Xmas Day; turning colder from 26/27th with rain.</p> <p>Cold with snow showers turning very cold with heavy snow likely 27-28th. White Boxing Day likely.</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>
<p>Winds: North Westerly strong at first in Scotland, otherwise mostly moderate / light.</p>	<p>Winds: Slack/ cyclonic in South at first, becoming largely NW'ly / Northerly later especially in North.</p>	<p>Winds: Northerly in N/E; SouthWesterly in S/W.</p>
<p>Temps: Mild in SouthWest; cold Scotland.</p>	<p>Temps: N/S split: mild in S / SW at first, colder later.</p>	<p>Temps: Mostly mild SW. Cold N/E.</p>
<p>Sky: Bright at times later in S central parts (with fog) Scot cloudy.</p>	<p>Sky: Variable cloud, generally cloudy later.</p>	<p>Sky: Cloudy; brighter N Ireland and North West Britain.</p>
<p>Solar Factors: R5 19-20th but blocked then NSF/Q.</p>	<p>Solar Factors: R2 24-25th; R3 26-28th.</p>	<p>Solar Factors: NSF/Q.</p>
<p>Likely possible weather map scenario: High pressure Biscay / SW Britain and West of Ireland covering most of S/W Britain and Eire while deep powerful diving Lows develop North of Scotland heading into South Scandinavia. Jet Stream blocked/split.</p>	<p>Likely possible weather map scenario: High pressure to South of British Isles in France and Germany with cyclonic Low coming in from West through Ireland and England. 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>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. Cold in North a bit more extensive than 45D.</p>

Easy Look Forecast Graph

DECEMBER 2012: 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.

Date Weekend =>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Confidence =>	75	75	75	75	85	85	85	80	80	80	80	70	70	70	70	70	70	70	75	75	75	75	75	70	70	70	70	70	70	70	70			
'IN A WORD'	WINTRY N/E				STORM from West				Mostly dry				Snow → rain				Dry and bright				South dry Scotland wintry				Getting generally colder				Becoming very cold					
PRECIP % of normal	Wintry N/E becoming dry				Snow bec rain				Mostly dry exc N/E				South mostly dry N precip				Dry				Scot rain bec snow S/W dry				Dry → snow and wintry showers				Dry except Scot / NE					
WINDS	Mod/light				Stormy N/W				Mod N/E				Mod/strong North				Light				Strong WNW → Mod NNW				Light		Moderate N/NW		Light					
Thunder & tornado risk	Low (exc 1 st)				5-7 Very high				10-11 Mod				13-14 High				Low				19/20 Very high				Low		Moderate 26-28		Very low					
MEAN Temps Rel to norm °C	Cold				Mild				S/W Mild N/E Cold				Mostly mild				Mild pms frosty nights				Mild exc NE Scot		Colder		SW/NE Split		Cold		Cold/very cold					
SKY/SUN % of normal	Becoming brighter				Cloudy				Bright				More cloud				S/W Fine				Bright/sunny				Cloudy		Brighter		Mostly bright/normal		More cloud		Overcast + foggy N/E	
Events & Holiday Weather	First 3 weekends tend to be unsettled in parts especially on Saturdays. 22-23 rd mostly dry and bright with snow in Scotland. Xmas Eve to New Year's Eve: Getting generally colder, snow and wintry showers 26-28 th . Xmas Day probably no snow in most parts but some snow showers likely in Scotland. Heavier snow likely New Year's Eve Scotland.																																	

DECEMBER 2012 SLAT8C Britain & Ireland Forecast deviations from normal.
(1961-1990 averages)

PRECIPITATION % of normal	MEAN TEMPERATURE deviation from local normal	SUNSHINE/SKY % of normal
Probably below normal in South and central parts and closer to or above normal in NorthEast parts and West Eire.	Probably around normal in Central Britain and North of Ireland. Above normal in SW Ire and SW Britain; below normal in NE Britain.	SW parts above normal, NE parts below normal, central parts probably close to normal. Large variation due to fog at times.

DECEMBER 2012 Notes & Additional Information

Confidence order:	RTS SLAT 8C most confident of rain and least sure of sunshine totals.
Main uncertainty:	Snow/ slush/ rain boundaries.

Weather Warning Notes: Most disrupted period snow and slush 19-23rd December.

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.	The Essential summary (page 1)
'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	is the most confident summary statement about the month. The essential 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 <i>most likely</i> 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.]	