



The Long Range Forecasters

# 2010 December 3-30d ahead Forecast Britain & Ireland

Produced under Solar Lunar Action Technique SLAT5 – 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](http://www.weatheraction.com)

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

Confidential

2010 DECEMBER 3-30d ahead Brit & Ire SLAT5 forecast issued 29th Nov. Essence consistent with First Look Summary June 2010. News content is PUBLIC, otherwise publication of details in media or web must be agreed through WeatherAction.

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## DECEMBER 2010

### Extremely cold and exceptionally snowy

**Probably the coldest\* December for 100 years (80% confidence) and very likely (90% confidence) to be in the 3 coldest Decembers in 100 years.** (\* using Central England Temperature measure)

**Frequent snow and blizzards at times especially in central and East / NE England on Northerly and North/ Easterly winds.**

- Frequent, black ice and freezing fog
- Extremely sharp frosts with record low temperatures.
- Scotland probably drier than other parts and extremely cold especially East & central parts.
- West Ireland & far SW England less cold with short milder South-Westerly flow at times.

Christmas

Widespread blizzards & snow deluges; probably snow in all parts of Britain & Ireland over Christmas / Boxing Day.

New Year

New Year's Eve probably dry, bright and bitterly cold. Snow returns on New Year's Day.

#### Key Pressure developments Dec 2010

Britain & Ireland will be often dominated by high pressure over Scotland or to the North of Scotland connected either to High pressure over Scandinavia or (probably less often) Arctic/Greenland while active low pressures dominate South Europe / Biscay and also attack From the West at times but are largely blocked and take a local Jet Stream South path.



Snow deluges and white-out struck Newcastle 29th Nov

### Blizzards & thunder confirm

### WeatherAction forecast advance

The end of November blizzards, white-out and thundersnow in North/East Britain dramatically confirmed WeatherAction's "wild weather" warnings that the Met Office would seriously underestimate the severity of the coming snow storms.

Piers Corbyn - Astrophysicist of WeatherAction says "Getting thundersnow and double the snow amounts in Met Office forecasts - both occurrences of which we warned - was great. This snow hit was especially important because although our long range November forecast had gone very well up to 21st November, the end of the month was not wet and mild as we had originally expected, but snowy. Our new advance in our SolarLunarActionTechnique to SLAT5 explains why the circulation switched to blizzards, why relatively rare thundersnow was also likely and gives more confidence in our exceptionally cold winter forecast."

See: <http://www.weatheraction.com/displayarticle.asp?a=276&c=5>

**Most likely Detailed Weather** - timing to 1 day. Likely success rate of weather periods this month is 6 basically successful out of the 8.

Key SWT 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 5

1 - 4 DEC 2010 A = 85%	5 - 6 DEC 2010 B = 75%	7 - 8 DEC 2010 BC = 70%	9 - 13 DEC 2010 A = 85%
Solar Factors: <b>TOP ACTIVITY* 2<sup>nd</sup>-3<sup>rd</sup> RED WARNING – Snow/blizzards more intense than standard meteorology forecasts from 2 days ahead.</b>	Solar Factors: <b>TOP ACTIVITY 5<sup>th</sup>/6<sup>th</sup> RED WARNING although some blocking – Snow/rain more intense than standard met forecasts from 2 days ahead.</b>	Solar Factors: <b>Short TOP ACTIVITY 7<sup>th</sup>-8<sup>th</sup></b>	Solar Factors: <b>No major specific factors</b>
<i>Likely possible weather map scenario:</i> High pressure over Scandinavia / North of Scotland, active low pressure in Central Europe. Bitter North-Easterly snow bearing flow.	<i>Likely possible weather map scenario:</i> High pressure Scandinavia and North Scotland, deep lows in France / Germany, also probably another attacking low in Atlantic.	<i>Likely possible weather map scenario:</i> High pressure North Scotland as deep low pressure attacks South-West probably centred in English Channel / over South England and moves towards France.	<i>Likely possible weather map scenario:</i> Active low pressure passes / develops to East of Britain and High pressure (Arctic / Greenland High extension) builds from North. Low pressures in Scandinavia / North Sea and West of Ireland.
<b>Widespread snow with deluges &amp; blizzards especially East parts of England. Very cold. Biting bitter North-Easterly wind. Extremely cold with less snow in Scotland. West Ireland less cold. Cloudy.</b>	<b>Heavy snow and very cold in most of England &amp; Wales. Scotland drier &amp; colder with snow flurries. Ireland and Cornwall sleet turning to rain.</b>	<b>Heavy rain preceded by snow /sleet – mainly in Southern Ireland, Wales and Southern England. Becoming briefly mild in South / South-West. Heavy snow in North &amp; central, probably drier in Scotland.</b>	<b>Becoming dry apart from snow flurries. Nights becoming extremely cold especially in North, Central and East parts. Freezing fog widespread. West Ireland milder.</b>
<b>Prob Winds (also see p4):</b> North-Easterly / Easterly strong in East & South-East.	North-Easterly / Easterly in most parts with gales in channel / South & East coasts; becoming Southerly in Ireland.	S / Cyclonic in South, gales in the South-West approaches / English channel, becoming Easterly.	Variable North/North-Easterly light; probably South/South-Easterly light in West Ireland.
<b>Temps (also see p4):</b> Very cold	Becoming milder in South-West	Cold, especially in the North	Extremely cold in North, West Ire less cold
<b>Sky (also see p4):</b> Cloudy	Cloudy in South, Scotland clearer	Overcast	Variable sky, widespread freezing fog

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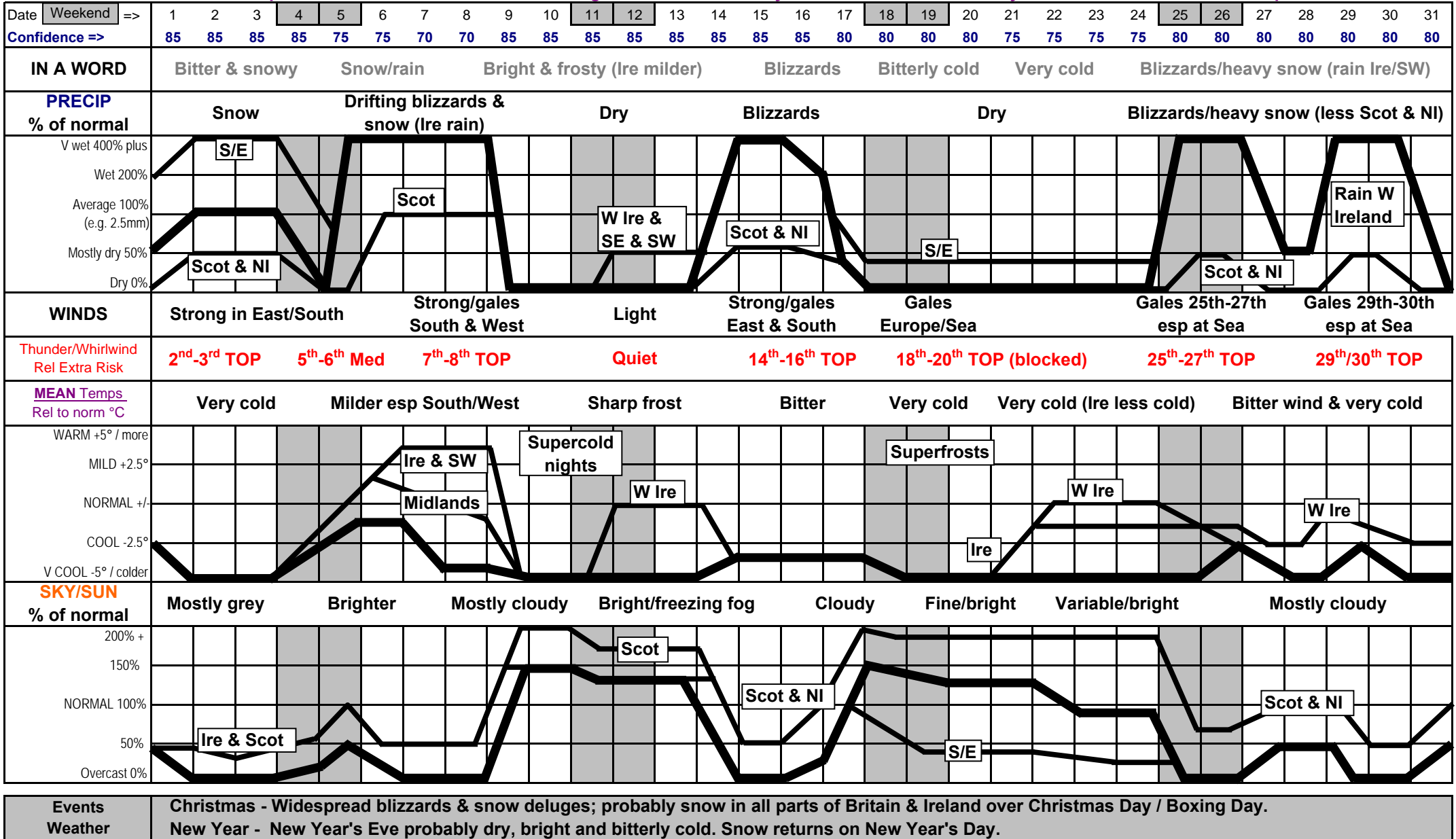
14 - 16 DEC 2010 A = 85%	17 - 20 DEC 2010 AB = 80%	21 - 24 DEC 2010 B = 75%	25 - 31 DEC 2010 AB = 80%
Solar Factors: <b>TOP ACTIVITY 14<sup>th</sup>-16<sup>th</sup> RED WARNING partly blocked from N Brit &amp; N Ire</b>	Solar Factors: <b>NSF/Q then TOP ACTIVITY 19/20 but blocked from Brit &amp; Ire</b>	Solar Factors: <b>Extra Activity around 22nd then NSF</b>	Solar Factors: <b>TOP ACTIVITY 25-27 &amp; 29/30 RED WARNINGS Snow/blizzards/rain more intense than standard meteorology forecasts from 2 days ahead.</b>
<i>Likely possible weather map scenario:</i> High pressure Scotland, North England & Northern Ireland. Active low probably Germany / Benelux, and /or <b>polar low</b> coming from North.	<i>Likely possible weather map scenario:</i> Probably Arctic extension High over Britain & Ireland as active thundery lows to South / in Biscay head into France/ Med. Other active thundery - polar - lows in (South) Scandinavia/ Norway sea.	<i>Likely possible weather map scenario:</i> High pressure over Scotland linked to Scandinavia. Low pressure in Central / Southern Europe / West Med.	<i>Likely possible weather map scenario:</i> High pressure – Scandinavia High Extension in N / Central Scotland & prob NI. Low pressure in West Med / Italy (Or configuration (30% likely) might be more N'ly with polar lows coming down N Sea)
<p>Mostly dry (snow flurries), extremely cold</p> <p>Blizzard &amp; snow drifts, very cold, gales on E/SE coasts</p> <p>Snow, very cold, cloudy</p>	<p>Probably record breaking, extremely cold sharp frosts, freezing fog, mostly dry</p> <p>Mostly dry (snow flurries), frosty, thick fog</p>	<p>Mostly dry, snow flurries, bitterly cold, bright at times, foggy</p> <p>Snow showers, bitter breeze, cloudy</p>	<p>Mostly dry (snow flurries), extremely cold, bright afternoons esp 28<sup>th</sup> &amp; 31<sup>st</sup></p> <p>Waves of blizzards &amp; drifting snow esp 25th-27th &amp; 29th-30th. NYE cold &amp; probably dry</p> <p>Less cold</p>
<b>Widespread snow with blizzards &amp; drifting snow and bitter winds in most of England especially East Anglia &amp; East and SE. Snow showers in Ireland &amp; North Wales and snow showers/flurries in Scotland.</b>	<b>Mostly dry / some snow showers and extremely cold - records likely to be broken. More snow showers towards coasts in South / East. Freezing fog.</b>	<b>Snow showers (rain/sleet in SW) especially in South and East England then mostly dry. Scotland dry. Cold except West Ireland is milder.</b>	<b>Snow deluges and blizzards in most of England and Wales, heaviest in East parts. Snow showers in Scotland. Sleet/rain and less cold in far West Ireland.</b>
<b>Prob Winds (also see p4):</b> North-Easterly Force 7 / gales on East coast / at sea and Kent / North Sea / Channel/Straits of Dover. North-Easterly light in Scotland.	Northerly / North-Easterly light, moderate in South/East	North-Easterly moderate becoming light, less in Scotland. Probably South-Easterly light in South/West Ireland.	North-Easterly strong especially in East and South-East, light in North Scotland.. South-Easterly light in West / South-West Ireland.
<b>Temps (also see p4):</b> Very cold	Cold and frosty throughout	Bitterly cold	Extremely cold
<b>Sky (also see p4):</b> Cloudy	Low cloud and fog	Some bright spells in North	Variable with some bright periods

# Easy Look Forecast Graph **BRITAIN & IRELAND DECEMBER 2010: 30d ahead update. SLAT5. Normally accurate to 1 day**

Showing *likely* rain, temperature & 'cleanness/brightness' levels *around* 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.**



## DECEMBER 2010 SLAST5 Britain & Ireland Forecast deviations from normal

(1961-1990 averages)

PRECIPITATION % of normal	MEAN TEMPERATURE deviation from local normal	SUNSHINE/SKY % of normal
<p>Mostly drier than normal but much snowier than normal. South/East more precipitation than Scotland &amp; Northern Ireland relative to normal.</p>	<p>Probably the coldest December for 100 years (80% confidence) and very likely (90% confidence) to be in the 3 coldest Decembers in 100 years.</p>	<p>Mostly dull, less dull in Scotland.</p>

## DECEMBER 2010 Notes & Additional Information

<b>Confidence Order:</b>	Confidence order of main parameters for December 2010 is RTS i.e. more confident of Rain than Temp & Sun this month.
<b>Main Uncertainty:</b>	Strength of blocking of low pressures attacking from Atlantic (More uncertainty for Ireland/South West).
<b>Comparison to earlier forecasts:</b>	Much more detail and colder than First Look Summary issued June 2010 .

**Weather Warning Notes:**  
**(Major) EA = Extra Activity** i.e. weather fronts (much) more active than Standard Meteorology Forecasts (Smfs) as on TV a few days ahead of events - making more rain, cloud, thunder, wind, whirlwind risk. **a, Δ θ** etc types of **Sharp SLAP (Solar Lunar Action Period) Red Warnings / Watches** = potentially significantly more **extreme / dangerous** events. **Q= Quieter. NSF = No Specific Solar Factors.**

<p><b>Confidence Levels</b></p> <p>'A' - about 85% chance of being essentially right, 15% of being unhelpful.</p> <p>'B' - about 75% chance of being essentially right, 25% of being unhelpful.</p> <p>'C' - about 65% chance of being essentially right, 35% of being unhelpful</p>	<p><b>Important information on Confidence and Timing of weather events and weather periods.</b></p> <p><b>The Essential summary</b> (page 1) is the most confident summary statement about the month. <b>The essential weather type development</b> (page 1) gives main pressure developments through the month. <b>The detailed most likely weather periods</b>, typically of around 4 days, are the Solar Weather Technique highest resolution long range forecast detail. <b>They are not to be taken as exact predictions &amp; include confidence levels.</b></p> <p><b>The weather period timings</b> in period details (p 2-4 ) are <b>most likely</b> 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* <b>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.</b> 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]</p>
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