



2013 January 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

Confidential

2013 JANUARY 30d (8 weather periods) Brit & Ire SLAT 8C forecast issued 27/30 December 2012; including a few changes and extra detail to 45d issued 15th December

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JANUARY 2013

Headline summary & essential weather type development.

A stuttering cooling trend in early January then turning very cold especially in East. Exceptional snow/rain with major blizzards in many parts after mid-month and end Jan into Feb - probably becoming rain in SW England & S Eire.

January 2013 Key basic weather developments:

Full details in 8 weather periods pages 2-6

- The first week will see a 'Battle Of Britain' situation taken-over by cold air as a variable North block of High pressure develops at times.
- 8-16th A large outflux of cold air from Scandinavia / Russia is likely to sweep across much of Britain & Ireland.
- 17-21st The cold air is attacked by an active low from the SW while a separate powerful polar-type low attacks NE / E parts bringing heavy snow and blizzards in both regions (prob rain later in SW and Eire).
- 22-31st Another N / NE'ly strong flow of very cold air becomes established till near end of month when a 'Battle Of Britain' col develops and major blizzards take-over Jan 31st to Feb 3rd.
- Likely to be in the 8 coldest Januaries in the last 100 years in EAST and NORTH and perhaps Central parts (East and North colder relative to normal than Central, SouthWest & Eire).

WeatherAction wins mid Dec 'Battle of Britain'!

- MetO dropped supercold blast 'set' for mid Dec as WeatherAction Long Range beats standard forecasts of a few days ahead.

WeatherAction's Long Range possible Pressure scenario for ~Dec 8-11 and following (from choices made mid November) for a contrasty 'Battle Of Britain' pressure pattern which would hold back projected 'Beast from the East' cold blasts was well confirmed when standard computer model projections which ignore solar factors were overtaken by WeatherAction's solar-based forecasts.

Piers Corbyn of WeatherAction said "We warned that standard forecasts will run into more problems in the approach to a new Little Ice Age we are now in, with the Jet Stream often behaving strangely as far as computer models are concerned. In January we expect further problems for TV forecasts but in this case **serious cold blasts** will win though rather than the 'mild surprise' which confounded models mid Dec". See also:

- <http://www.weatheraction.com/docs/WANews12No48.pdf>
- Pics of THE SWITCH from 'The Beast From The East' page 2
- WHERE IS THE SUN GOING 2013? and WHAT NEXT FOR NH WINTER (in Reader Comms)? <http://bit.ly/U63E6a>



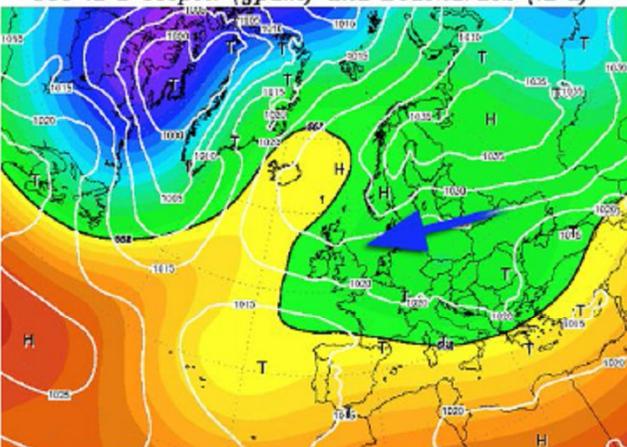
Time periods normally accurate to +/- one day. At least 6 of the 8 should be basically correct this month.

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.

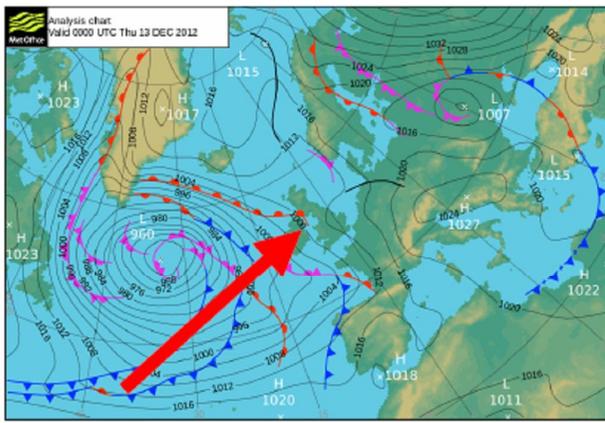
For warning notes and explanation see page 6

The 'Beast from the East' computer forecast for 13 Dec is swept away on WeatherAction cue by mild wet & windy stream from West on WeatherAction R4 period 13-14 Dec. See 13Dec00z ECMWF & Obs:

Init: Wed,05DEC2012 00Z Valid: Thu,13DEC2012 00Z
500 hPa Geopot. (gpm) und Bodendruck (hPa)



Average of ECMWF solutions, from midnight
H= high pressure T= low pressure



1-3 Jan 2013 B = 75%

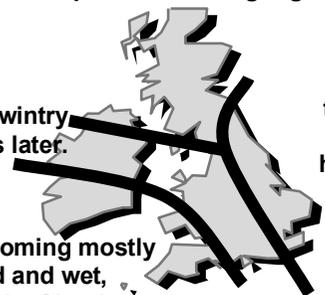
NE -v- SW battle with Scotland and East England increasingly cold with wintry showers turning to snow in parts. Far SW and S Eire mild, wet and windy. Intermediate regions variable with wintry showers later. Similar to 45d but more variability.

Snow flurries/ light showers sharp frosts freezing fog.

Foggy, cloudy, wintry showers later.

Becoming mostly mild and wet, windy. Cloudy.

Increasingly wintry showers turning to snow later mainly on high ground (eg. Pennines).



4-7 Jan 2013 BC = 70%

Variable at first, turning generally colder later with sharp frosts in Scotland and North / Central Ireland and North England. Snow showers in North and East parts. V similar to 45d but less confidence

Dry, bright increasingly cold later with sharp frosts.

Briefly mildish, colder later.

Snow showers increasingly cold later.



Winds: NE'ly moderate in NE; S'ly in far SW and S Eire.

Temps: Increasingly cold in N/E; mostly mild far SW.

Sky: Cloudy and foggy.

Solar Factors: R4 1-3 Jan.

Likely possible weather map scenario:
Variable / strengthening Greenland High extends South at times to Iceland towards far North Scotland but is not stable. Moderately active complex (cold) Low over Scandinavia. Milder Low approaches SW Ire / SW England. Jet Stream South.

Winds: Confused then becoming generally N'ly, Moderate in E.

Temps: Turning increasingly cold in all parts later.

Sky: Mostly cloudy England; Scotland brighter.

Solar Factors: NSF/Q 4-5th; R3 6-7th.

Likely possible weather map scenario:
Low to SW probably works eastwards into North Sea and combines with Scandinavia Low, as High to North strengthens. Jet Stream South.

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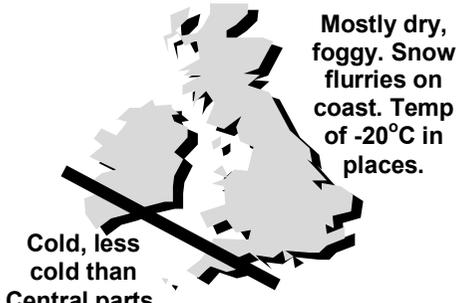
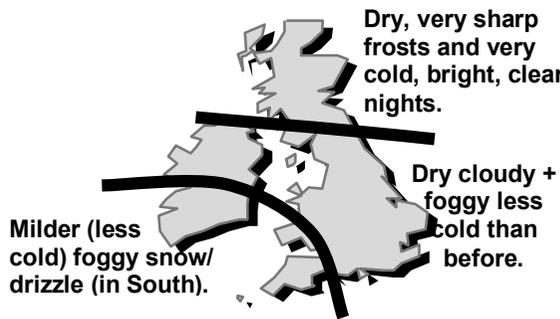
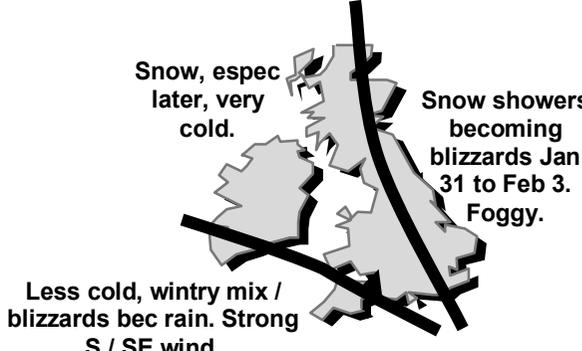
For warning notes and explanation see page 6

8-11 Jan 2013 BC = 70% ●	12-16 Jan 2013 A = 85% ●	17-21 Jan 2013 B = 75% ●
<p>Generally cold becoming very cold in Midlands and East parts, turning less cold in North Scotland with wintry showers (returning Polar maritime air). Same as 45d.</p>	<p>Mostly dry bright and cold / very cold. Widespread hard frosts. Less frosty in West Eire. More fog and low cloud 13/14th then colder / very cold 15/16th. Same as 45d.</p>	<p>A major blizzard is likely in South, SW and Central parts which turns to rain in SouthWest & Eire. A separate colder blizzard attack in East. Less cold (or mild) in SW than previous period especially later. R5+ 17-20th. Aurora likely. V simil to 45d</p>
<p>Winds: Variable light in South; Moderate W'ly in North Scotland.</p>	<p>Winds: Very light, variable becoming NE'ly in East, also light S'ly (from SE) in West Eire.</p>	<p>Winds: S'ly / cyclonic in SW becoming N'ly in East strong / gale.</p>
<p>Temps: Very cold, very low night temperatures (-10°C).</p>	<p>Temps: Very cold in North/ Central parts (-16°C).</p>	<p>Temps: Mostly cold / very cold (excluding SW); less cold than previous period.</p>
<p>Sky: Clear nights in SE at times, more cloud in North Scotland.</p>	<p>Sky: Bright afternoons and clear nights.</p>	<p>Sky: Cloudy, fog in Scotland and North Ireland.</p>
<p>Solar Factors: NSF/Q then R3 10-11th.</p>	<p>Solar Factors: NSF/Q except R1 13-14th.</p>	<p>Solar Factors: R5+ 17-20th.</p>
<p>Likely possible weather map scenario: Cold High pressure extends from Continent / Scand into South as Low pressure in airstream from NW affects North Scotland. Jet Stream split.</p>	<p>Likely possible weather map scenario: Strong High pressure over Britain / North Sea with (shallow) Low in Mediterranean (South part of Split Jet), Low in Scandinavia and High off Britain and Ireland linked to Greenland High blocking out Atlantic systems.</p>	<p>Likely possible weather map scenario: Very deep active Low pressure attacks from South West. Also active Low in North Sea / South Scandinavia. Mild damp air in SW meets cold air and drops wintry mix / snow deluges.</p>

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

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For warning notes and explanation see page 6

22-25 Jan 2013 AB = 80% ●	26-28 Jan 2013 AB = 80% ●	29-31 Jan 2013 (+ to 3 Feb) B = 75% ●
<p>Turning colder. Low fills and NE'ly airstream takes over. Extremely cold ~ minus 20°C in places. Freezing fog. Foggy mornings. Less cold SW & S Eire. Same as 45d.</p>	<p>Dry and cold, very cold in North and East. Clear skies in Scotland. Less cold SW & S Eire. Same as 45d.</p>	<p>Aurora display likely as R5 31st – 3 Feb... Red weather period activates in partly clear skies. Jan 31 to Feb 3 Great blizzards in East & Centre / South. Heavy snow / wet snow / rain likely later in far SW and South Ireland. Mostly cold / very cold in centre / East. V similar to 45d.</p>
 <p>Cold, less cold than Central parts.</p> <p>Mostly dry, foggy. Snow flurries on coast. Temp of -20°C in places.</p>	 <p>Dry, very sharp frosts and very cold, bright, clear nights.</p> <p>Milder (less cold) foggy snow/drizzle (in South).</p> <p>Dry cloudy + foggy less cold than before.</p>	 <p>Snow, espec later, very cold.</p> <p>Snow showers becoming blizzards Jan 31 to Feb 3. Foggy.</p> <p>Less cold, wintry mix / blizzards bec rain. Strong S / SE wind.</p>
<p>Winds: Generally NE'ly light / moderate at times.</p>	<p>Winds: Light variable SE'ly in far SW.</p>	<p>Winds: Mostly N'ly becoming S'ly.</p>
<p>Temps: Becoming extremely cold.</p>	<p>Temps: Very cold (probably less cold than previous period).</p>	<p>Temps: Very cold.</p>
<p>Sky: Bright afternoons with fog and low cloud in mornings.</p>	<p>Sky: Cloudy in S/W. Clear in North.</p>	<p>Sky: Cloudy.</p>
<p>Solar Factors: R2s 22nd and 23-25th.</p>	<p>Solar Factors: NSF/Q.</p>	<p>Solar Factors: R3 (29-30th), R5 31st to Feb 3rd.</p>
<p>Likely possible weather map scenario: Greenland / Iceland North Atlantic High strengthens rapidly from ~21/22nd. Low(er) pressure North Scandinavia and Central Mediterranean. Steady NE'ly airstream over very wide area, into Britain and Ireland. Atlantic Low pressure long way out to West of Biscay.</p>	<p>Likely possible weather map scenario: Lower pressure develops somewhat over SW but is held back by strong blocking High pressure to North and East.</p>	<p>Likely possible weather map scenario: Increasingly active Lows in Biscay and North Sea/ Scandinavia. High pressure Centre to N/NW of Ireland giving a col over Br+Ire.</p>

Easy Look Forecast Graph

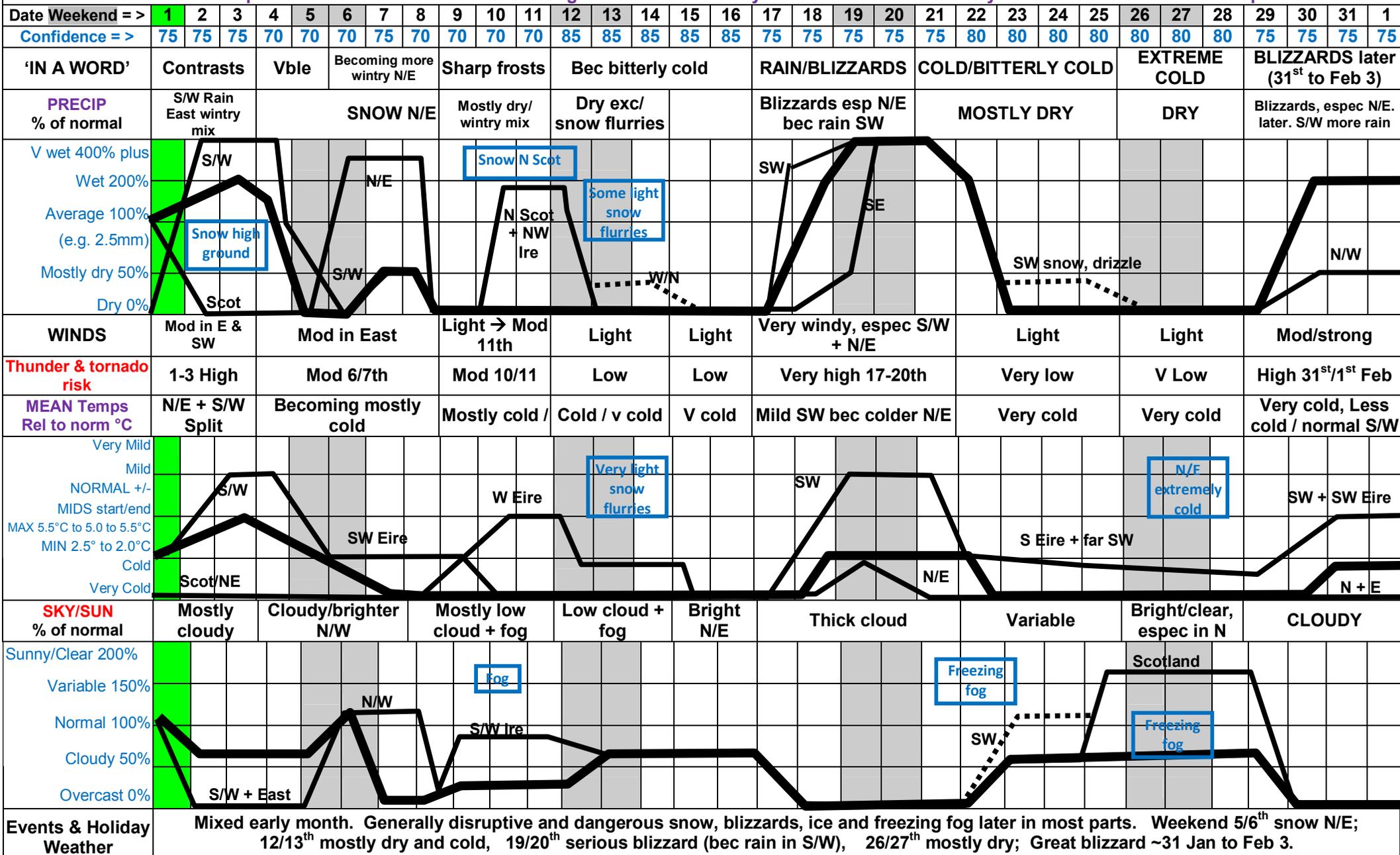
JANUARY 2013: 30d ahead update. SLAT8C. Normally accurate to 1 day.

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.



JANUARY 2013 SLAT8C Britain & Ireland Forecast deviations from normal.

(1961-1990 averages)

PRECIPITATION % of normal	MEAN TEMPERATURE deviation from local normal	SUNSHINE/SKY % of normal
Probably most precipitation in S/W (more rain) and N/E (more snow).	After mixed early month turning overall mostly cold or very cold but SW Ireland and SW England much closer to normal than other parts.	Variable due to fog and low cloud. Probably overall brighter in Scotland, NI and N England.

JANUARY 2013 Notes & Additional Information

Confidence order:	TRS SLAT 8C Probably more confident of temps than precipitation amounts.
Main uncertainty:	Timing of early Jan cold shift and snow/rain boundary around 17-21 st Jan
Weather Warning Notes: Travel will often be severely restricted by frost, snow, ice and fog.	

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.	<p>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.</p> <p>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.]</p>
'B' - about 75% chance of being essentially right, 25% of being unhelpful.	
'C' - about 65% chance of being essentially right, 35% of being unhelpful	

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