



The Long Range Forecasters

2012 July 3-30d ahead Forecast Britain & Ireland

Produced under Solar Lunar Action Technique SLAT 8A- 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

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

Confidential

2012 JULY 30d (8 weather periods) Brit & Ire SLAT 8A forecast issued 28 June 2012. Very similar to 45d forecast issued 15 JUNE

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JULY 2012

Headline summary & essential weather type development.

Extremely wet with widespread serious floods, damaging hail and winds with tornadoes at times. Cool.

- Ireland & Scotland less wet than England & Wales
- The wettest (60% confident) or in the wettest 5% (ie 12 of the 247) (85% confidence) on record in England & Wales since 1766.
- Major thunderstorms with tornadoes and damaging large hail at times.
- Overall temperatures well below normal (esp. day) in England & Wales.

Basic weather developments July 2012

July 2012 will be dominated by deep, lingering cyclonic systems tracking through Britain, particularly England from S/SW to E/NE. Ireland espec N/W Ireland and Scotland will be less wet and brighter relative to normals at times. Frequent High pressure to N/W of Britain & Ireland. Mostly Jet Stream South ('JSS'), 'Little Ice Age' (LIA) or prelude to LIA type circulation.

Key periods and likely weather developments (Details p2-3 inc problems for Olympic relay and Olympics)

- | | | |
|-------|-------------|--|
| 1-4 | July | Heavy rain with thunder, hail and floods over most parts of Britain and Ireland. |
| 5-7 | July | Showery and breezy/windy in Scotland, North Ireland and North England. Showery with broken cloud in central parts. South brighter. |
| 8-12 | July | Mostly cloudy in England, especially East parts with showers at times. |
| 13-15 | July | Thunderfloods, damaging hail and strong winds over most of Britain and Ireland. |
| 16-19 | July | Torrential rain, major river flooding, damaging hail, high tornado risk, thunder over England, Wales and Ireland. W Scotland & Ireland less wet later. |
| 20-23 | July | Thunderstorms, damaging hail & floods esp later. Scotland & North Ireland less wet. |
| 24-28 | July | Scotland largely dry and bright at times. England, Wales and Ireland extremely wet. |
| 29-1 | Aug | Very wet with hail, thunderfloods and high tornado risk in East parts. |



Massive floods, 'apocalyptic thunderstorms', tornadoes, and giant hail confirm WeatherAction June forecast (issued 16 May)

- **Warnings of 'prelude' to the coming New Little Ice Age vindicated**

Record breaking deluges in June confirmed WeatherAction Long range forecast and the 'incredible' intensity of the events such as the thunderbolt striking Tyne bridge Newcastle (above, 28 June), fantastically rapid floods, massive hail and tornadoes in June vindicate WeatherAction warnings that the world is now in the prelude stage to a new Little Ice Age.

- **'Incredible weather' is becoming normal says Piers - p 2**

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

Key SLAT (Solar Lunar Action Technique) 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.

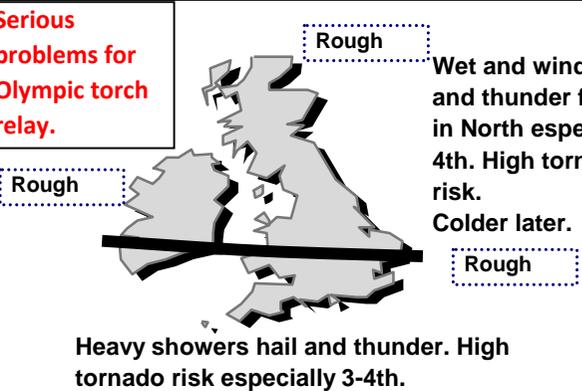
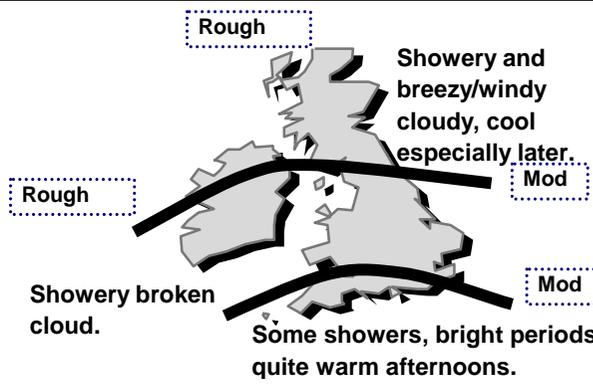
For warning notes and explanation see page 6



"Freak weather extremes are becoming the norm, and they are caused by our predicted changes in solar activity and lunar modulation" - Piers Corbyn, astrophysicist of weatheraction.com

"Standard Meteorology blames strange motion of The Jet stream but they don't know why the Jet stream is behaving strangely. However we do. It is part of the solar driven plunge to a new Little Ice Age and nothing to do with CO2 (which has no effect whatsoever). Extreme weather events and fluctuations will continue during at least the next 30 years and we have further advanced our SLAT (Solar Lunar Action Technique) to predict them.

New advance to SLAT 8a!
"SLAT 8a was born when floods in early June (eg Wales, above) followed our May 16 issued forecast showing SLAT8 update had gone 'too far'. SLAT 8a did a brilliant 'compromise' job in the tricky 18-21/22 June period".
WeatherAction Triple success <http://bit.ly/MOLMf5>;
<http://www.weatheraction.com/docs/WANews12No29.pdf>
<http://www.weatheraction.com/docs/WANews12No28.pdf>
<http://www.weatheraction.com/docs/WANews12No27.pdf>

| 1 - 4 JULY 2012 B = 75% | 5 - 7 JULY 2012 A = 85% |
|--|---|
| <p>Heavy rain with thunder and hail over most of Britain and Ireland. Widespread floods including rivers. High tornado risk. Cloudy. Cool days. Damaging winds at times in North and Central parts.</p> | <p>Showery and breezy/windy in Scotland, North Ireland and North England. Showery with broken cloud in central parts. South brighter with less rain. West and South Ireland brighter especially later.</p> |
| <p>Serious problems for Olympic torch relay.</p>  <p>Wet and windy, hail and thunder flooding in North especially 3-4th. High tornado risk. Colder later.</p> |  <p>Showery and breezy/windy cloudy, cool especially later.</p> <p>Some showers, bright periods quite warm afternoons.</p> |
| <p>Winds: W'ly strong. Gales in Scotland NI & North Eng/ Midlands. High tornado risk.</p> | <p>Winds: W'ly mod/strong in North; light South.</p> |
| <p>Temps: Cool by day; nights mildish.</p> | <p>Temps: : Cool days in North, probably above normal in far South.</p> |
| <p>Sky: Cloudy. Less cloud in South ~ 2nd.</p> | <p>Sky: Mostly cloudy; bright periods in South.</p> |
| <p>Solar Factors: R4 1st; R5 3-4th. Standard forecasts on TV will significantly underestimate rain, wind, hail & tornado risk in/around R5.</p> | <p>Solar Factors: R3.</p> |
| <p>Likely possible weather map scenario: Increasingly active low pressure centred over Scotland or North of Scotland heads into Scandinavia; active sub-lows over England. Higher pressure in S/SW England & SW Eire. Jet stream somewhat South of normal ['JSS']. (Very similar to 15 June issue).</p> | <p>Likely possible weather map scenario: Active low pressure centred just North of Scotland or in North Sea/ Norway Sea. Increasing high pressure France/ Brittany. Lows head into central Scandinavia. Less windy than previous period. Jet stream somewhat South. (Very similar to 15 June issue, R3 replaces R2).</p> |

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 SLAT 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

| 8 - 12 JULY 2012 AB = 80% | 13 - 15 JULY 2012 A = 85% | 16 - 19 JULY 2012 AB = 80% |
|---|--|--|
| Mostly cloudy in England especially East parts with sometimes heavy rain and showers. West Britain less wet with broken cloud. Ireland and Scotland brighter with cold nights. E Scotland probably more showery later. W Eire fine. | Thunderstorms, damaging hail and strong winds over most of Britain and Ireland. Less wet in far SW Ireland (Kerry, Cork). Widespread floods including rivers. | Torrential rain, major river flooding, damaging large hail, high tornado risk, thunder especially over England, Wales and Ireland. W Scotland & Ireland less wet later, bright periods. |
| | | |
| Winds: Light cyclonic/ NE'ly especially in North. | Winds: Cyclonic becoming NE in N/centre. Strong gales in North, locally turbulent. | Winds: Cyclonic bec NE'ly. Damaging gales and gusts especially in North and Central parts. |
| Temps: Cool. | Temps: Cold. | Temps: Mostly cold. |
| Sky: Cloudy; brighter in Scotland and Ireland. | Sky: Thick cloud. | Sky: Thick cloud except variable sky Scotland. |
| Solar Factors: NS/Q. | Solar Factors: R4 13-14.5 (new notation = Midday 14th). Standard forecasts on TV will significantly underestimate rain, wind, hail & tornado risk in/around R4. | Solar Factors: R5 17-19. Standard forecasts on TV will significantly underestimate rain, wind, hail & tornado risk in/around R5. |
| Likely possible weather map scenario: Generally cyclonic and slack over England, Wales & North Sea. Somewhat higher pressure over Scotland and Ireland especially W Ireland & Donegal. JSS. (Wetter than June 15 issue). | Likely possible weather map scenario: Generally powerful cyclonic situation with higher pressure in South/SW and Channel Isles and France. Lows perhaps heading slowly towards S Scandinavia/ Denmark/ NW Germany/ Holland. JSS. (Simil June 15 issue exc colder). | Likely possible weather map scenario: Organized cyclonic systems cross Ireland, Wales and England from SW/West and move into South Scandinavia. Higher pressure over Scotland and Ireland later. Jet stream South. (Similar to June 15 issue, colder. R5 one day later.) |

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 SLAT 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.

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| 20 - 23 JULY 2012 A = 85% | 24 - 28 JULY 2012 A = 85% | 29 - 31 JULY 2012 B = 75% |
|---|---|--|
| Thunderstorms, damaging hail and floods, including rivers, in England and Wales and Ireland, especially South and East. (Scotland and NW parts brighter and less wet.) | Scotland largely dry and bright at times. England, Wales and Ireland mostly dry for a few days then turn extremely wet with thunder, massive hail, floods and damaging tornadic winds especially later. Generally cool and colder later. | Very wet with hail and thunderstorms including rivers and high tornado risk in East parts. Ireland and NW Scotland mostly dry with broken cloud. |
| <p>Mostly dry, some showers, cold nights. Bright/variable sky.</p> <p>Humid, not warm, thundery showers & torrential downpours, hail. Floods. Tornadoes likely.</p> <p>Serious problems for Olympic torch relay.</p> | <p>Mostly dry, broken cloud, breezy, cold nights.</p> <p>Bright. fine at first then very wet from 26th.</p> <p>A high risk of major thunderflashes, torrential rain & large hail pose potential problems for Olympic Opening Ceremony on 27th**</p> <p>Showers then becoming extremely wet from 26th. Thunderstorms, river flooding, damaging hail and strong winds. NE cool, South less cool relative to normals**.</p> | <p>Mostly dry and bright. Cold nights. More cloud later.</p> <p>Heavy rain, cool/cold. broken cloud.</p> <p>Torrential downpours, high tornadic risk, damaging hail, floods. Turning cold.</p> |
| Winds: Cyclonic NE. Mod/strong near thunderstorms/ tornado development. | Winds: Cyclonic, bec NE'ly in North and central parts. Strong gale/ damaging tornadic gusts in North England Midlands. | Winds: Northerly, very strong and damaging in East later. |
| Temps: Cool nights in Scotland and N/W Ire. Normal/coolish in South. | Temps: Mild in South / East at first, cold in North England; turning generally cold. | Temps: Cool becoming colder. |
| Sky: Cloudy especially later England and Wales. Scotland brighter. | Sky: Cloudy except brighter Scotland. | Sky: Cloudy England and most of Wales. Ire and West Scotland bright. |
| Solar Factors: R3 20-21, R2 23rd. | Solar Factors: R4 27 – 28th. Standard forecasts on TV will significantly underestimate rain, wind, hail & tornado risk in/around R4. | Solar Factors: R5 30th – 31st Standard forecasts on TV will significantly underestimate rain, wind, hail & tornado risk in/around R5. |
| Likely possible weather map scenario: Cyclonic domination of England with low pressures more or less stationary centred over Channel or England and quite deep. Higher pressure Scotland and NW Ireland (Donegal) extending into West Scandinavia. North Scandinavia low pressure. Jet stream well South. (Very similar to 15 June fcst). | Likely possible weather map scenario: Higher pressure over North/ West of Britain and Ireland at first then powerful Low(s) (possibly tropical storm remnant) track from SW to NE through Ireland/ England & head into S Scandinavia/ Denmark. Jet stream S but probably less S than previous. **The (current) less than 50% possibility the SE will miss this problem is being investigated. | Likely possible weather map scenario: Low pressure centred over West Scandinavia/ North North Sea/ NE England and increasingly active weather fronts moving South over most of England, Ireland and West Scotland higher pressure. High pressure France/ Germany probably Low Gulf of Genoa. |

Easy Look Forecast Graph

JULY 2012: 30d ahead update. SLAT8A. Normally accurate to 1 day.

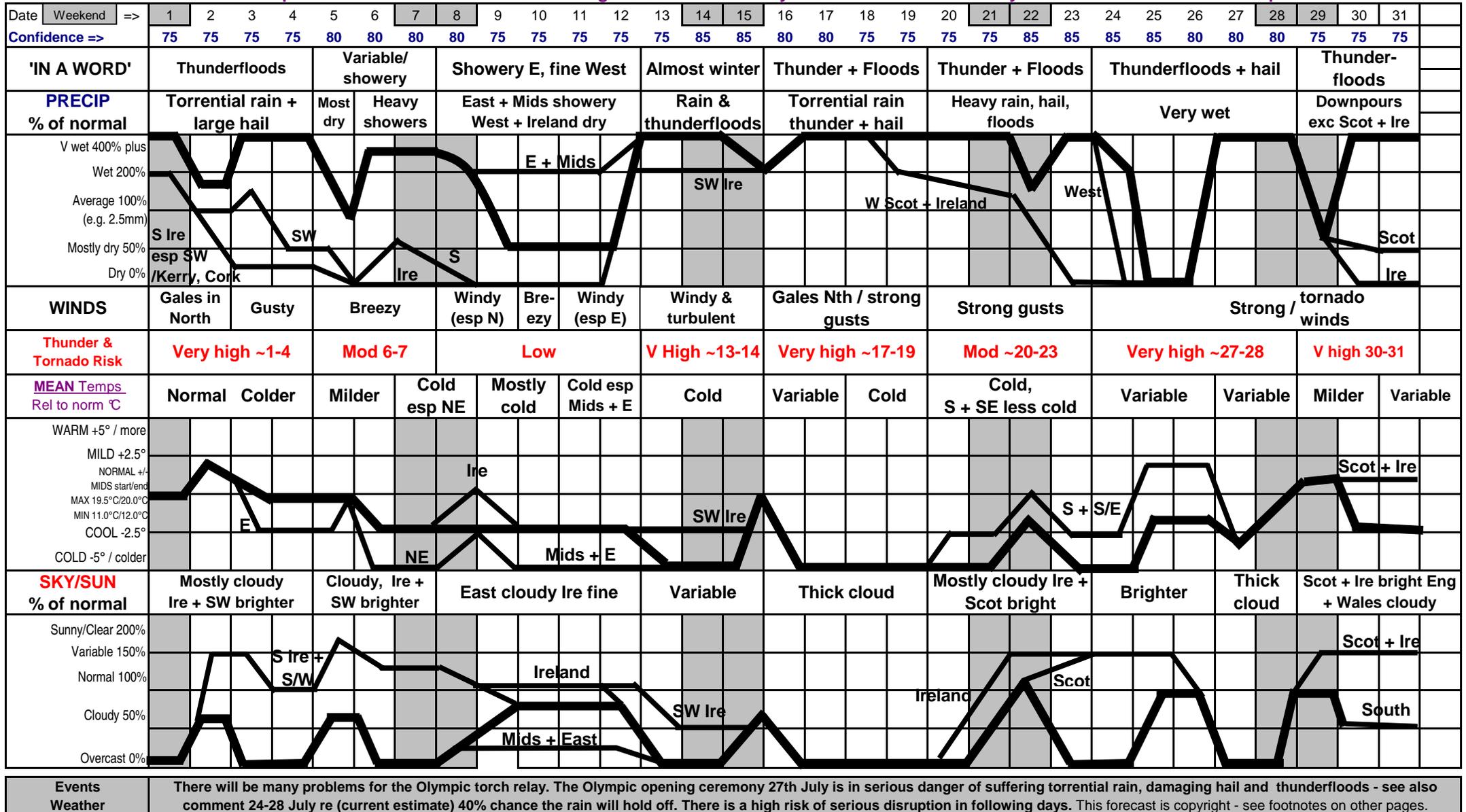
Showing *likely* rain, temperature & 'brightness' levels *around* the dates shown, NOT PRECISE DAILY PREDICTIONS.

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.



JULY 2012 SLAT8A Britain & Ireland Forecast deviations from normal

(1971-2000 averages)

| PRECIPITATION % of normal | MEAN TEMPERATURE deviation from local normal | SUNSHINE/SKY % of normal |
|--|---|---|
| | | |
| Extremely wet. Overall Scotland and Ireland less wet relative to normals than most of England and Wales. | Cold or very cold compared to normals particularly by day. Scotland Ireland & South less so than Midlands / East. | Generally dull. Scotland, Ireland & South England less dull than Midlands and North / East relative to normals. |

JULY 2012 Notes & Additional Information

Confidence Order: RST SLAT 8A most confident of rain and least sure of temperatures overall.

Main Uncertainty: Strengths of attempts by warm air to push from South.

Weather Warning Notes:

Main dangers this July are floods, giant hail, tornadic winds and lighting strikes to earth in and around the specified R4 & R5 Red warning periods.

Confidence Levels

'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

Important information on Confidence and Timing of weather events and weather periods.

The Essential summary (page 1) 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 Weather 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 **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* **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]