



## 2009 SEP 3to30d ahead Forecast Brit & Ireland & World News

Produced under SWT25d - Summary - Overalls - Detailed weather periods – Extra Timing detail - Maps - Graphs

**Including Solar based likely corrections to apply to Standard Meteorology Forecasts**

Weather Action are the only long range forecasters with independently proven published skill. See [www.weatheraction.com](http://www.weatheraction.com) & [www.lowefo.com](http://www.lowefo.com)

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

Confidential

2009 SEPT 3-30d ahead Forecast Brit & Ire Detailed issued 30 Aug - SWT25d (Lbs1). Essentially similar to 45d (60d(90day of 5 July)) with more detail

This is a commercial product. Publication of any part in media or web must be through agreed WeatherAction summaries– see [www.weatheraction.com](http://www.weatheraction.com)

© Weather Action  
Tel +44(0)20 7939 9946

**Weather Action Solar Weather Technique (SWT) forecasts provide:** See p6 for fuller explanation

- **Most likely weather scenarios** in each period. Note: relative changes between periods are more reliably forecast than details in each period.
- **The 'Solar Factor'** most likely corrections which need to be applied a few days ahead to standard Meteorology forecasts (Smfs) – eg as issued on TV.
- **Confidence.** Long range forecasts are in about 10 periods per month with confidences A, B, C - least confident which should be applied with more caution. SWT advice about changes between periods and about how to improve standard computer forecasts - when they come to be made - are generally very skilled.

**New USA  
Tropical  
storms - p4**

This 30day ahead Brit & Ireland forecast prod under SWT25d in 10 periods is worded exactly as 30 Aug but **with graph page first prod 30 Aug inserted.** The forecast is essentially similar to 45day but with more detail particularly of finer periods 11-16 & 21-27 Sept which show **more widespread fine weather than previously suggested**

# SEPTEMBER 2009 - Most parts wet & cool with major deluges and **floods** likely at times espec in Midlands, West & North. Temps close to normal in South. Stark NW / SE contrasts at times. Two generally fine periods around mid-month & fourth week.

Full details in 10 time periods of the most likely weather type developments through the month on pages 2-4.

### The essential weather type development September 2009

September 2009 in Britain & Ireland will be dominated for much of the month by cyclonic / Westerly / NW'y conditions with the Jet Stream often further South than normal. **Higher pressure & finer drier weather in most parts - especially Midlands & South - takes over around 12-16 and 21-27<sup>th</sup>.**

**Red Weather Warnings/Watches (RWW) for main rain, hail thunder / floods:**

**3/4, 7-9; 17-19; 22-23 (SE), 28 Sept-1 Oct.**

## Remnants of Hurricane Bill strike Britain & Ireland in **PERFECT FIT** with WeatherAction long range forecast! How?!



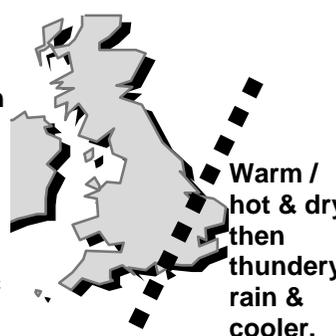
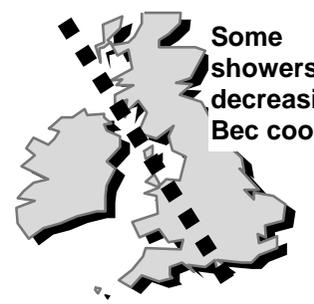
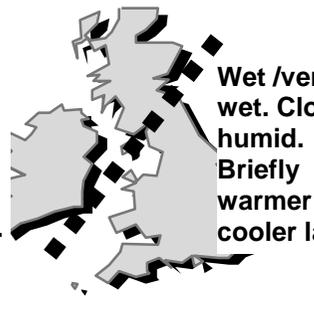
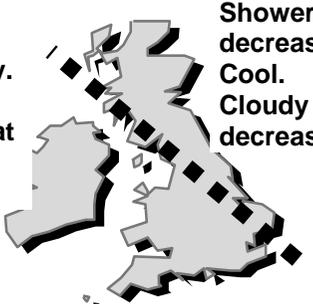
Bill punishes Scotland & The Met Office exactly on cue even though WeatherAction had not forecast the *formation* of Bill

**Bill just turned up 'out of the blue' as if to order - Perfect hit of Scotland and perfect end to the 'barbecue summer' that wasn't.**

WeatherAction's long range forecast detail for late August worked like a time machine. The detailed forecast produced on 5th JULY & repeated at start August specified 25-28th, espec 26th, as the most severe weather in Brit & Ire of ten weather periods in August. Then along come the remnants of Hurricane Bill - setting out 11 days before and traversing 7,000 miles of ocean to strike Scotland Ireland and Britain in the right region and right day. How? – See last page

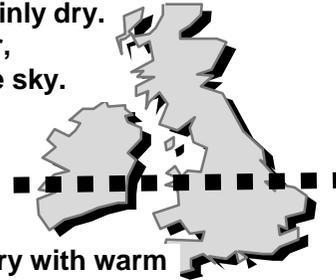
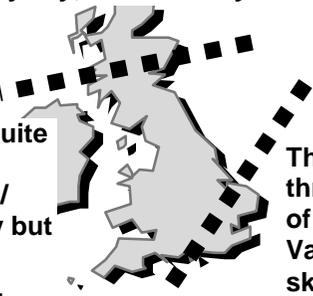
**Most likely Detailed Weather - timing to 1 day.** Likely success rate of weather periods this month is 8 or 9 basically successful out of the 10

**Solar factors Corrections to apply to standard short range Meteorology forecasts (Smfs)** when they will come to be made on TV: **(Major) EA = Extra Activity** ie weather fronts (much) more active than Smfs as issued by Met Office/TV a few days ahead of events - making more rain, cloud, thunder, wind, whirlwind risk. Sα, Sδ etc types of **Sharp SWIP** (Solar Weather Impact Period) **Red Warnings** = potentially significantly more **extreme / dangerous** events. **Q**= Quieter. **NSF** = No Specific Solar Factors. **JSS** = Jet Stream South tendency. **JSN**= Jet Stream Normal.

1-4 SEPT 09 Same as 90d ahead	5-7 SEPT 09 Same as 90d ahead	7-8/9 SEPT 09 Same as 90d ahead	10-14 SEPT 09 Same as 90d ahead
Solar Factor Improvements to apply to TV forecasts: EA/NSF 1 <sup>st</sup> Sharp EA 4/5 <sup>th</sup>	Solar Factor Improvements to apply to TV forecasts: NSF / Q	Solar Factor Improvements to apply to TV forecasts Solar Factors: <b>Major TOP SWIP</b>	Solar Factor Improvements to apply to TV forecasts: NSF / Variable.
<p>Vble skies bec more cloudy with heavier showers, hail thunder &amp; flash <b>floods</b>. Bec cooler.</p>  <p>Warm / hot &amp; dry then thundery rain &amp; cooler.</p>	<p>Bec mostly dry &amp; bright. Cool nights.</p>  <p>Some showers – decreasing. Bec cooler.</p>	<p>Mainly dry, cool, rather cloudy.</p>  <p>Wet /very wet. Cloudy humid. Briefly warmer then cooler later.</p>	<p>Bec dry. Cool espec at night. Bright.</p>  <p>Showers decreasing. Cool. Cloudy - decreasing.</p>
<p>1-4 SEPT 09 B = 75% <b>3 / 4 :Red Watch</b>  <b>Increasingly showery from North/West. Turning Cooler.</b>                      (1<sup>st</sup> Sept = extension of end August)  <b>Likely possible weather map scenario:</b>                      Increasingly active frontal systems attack W/S Ire &amp; Britain but blocked by High to SE until later. Low tracks to South Scandinavia.</p>	<p>5-7 SEPT 09 B = 75%  <b>Mostly dry in Ireland &amp; SW Britain. Showers (decreasing) in North &amp; East. Mostly cool espec nights in West.</b>  <b>Likely possible weather map scenario:</b>                      Low pressure moves into North Sea / NE Britain as ridge builds over Ireland / West of Ireland.</p>	<p>7-8/9 SEPT BC = 70% <b>Red Warning</b>  <b>Wet or very wet in England &amp; Wales. Mainly dry in Ire &amp; (N) Scot.</b>  <b>Likely possible weather map scenario:</b>                      Slow moving frontal systems probably over Southern Brit. Higher pressure to West of Brit / Ireland. <b>JSS (Jet Stream South)</b></p>	<p>10-14 SEPT B = 75%  <b>Becoming generally dry except East where showers persist but lessen.</b>  <b>Likely possible weather map scenario:</b>                      Low pressure(s) over Britain move to N Sea / South Scandinavia and fill as High builds over Atlantic / Ireland.</p>
<b>Winds</b> (also see graph p5): SW'ly / variable mod, stronger later	NW'ly mod, light in West.	Cyclonic, NE'ly at times in Scot.	NW'ly light; mod in East
<b>Temps</b> (also see graph p5) Warm in SE then gen cooler.	Bec cooler espe in East	Briefly warmer in S then gen cooler	Mostly cool
<b>Sky</b> (see graph p5) Vble then gen cloudy.	Brighter esp in West	Cloudy. Brighter in Scot & ire	Bright except East / North

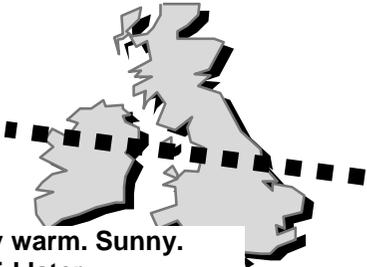
**Most likely Detailed Weather - timing to 1 day.** Likely success rate of weather periods this month is 8 or 9 basically successful out of the 10

**Solar factors Corrections to apply to standard short range Meteorology forecasts (Smfs)** when they will come to be made on TV: **(Major) EA = Extra Activity** ie weather fronts (much) more active than Smfs as issued by Met Office/TV a few days ahead of events - making more rain, cloud, thunder, wind, whirlwind risk. **Sα, Sδ** etc types of **Sharp SWIP** (Solar Weather Impact Period) **Red Warnings** = potentially significantly more **extreme / dangerous** events. **Q**= Quieter. **NSF** = No Specific Solar Factors. **JSS** = Jet Stream South tendency. **JSN**= Jet Stream Normal.

15-16 SEPT 09 As 90d ahead but drier	17 -18/19 SEPT 09 Same 90d ahead	19/20 SEPT 09 Same as 90d /drier Sth	21-23 SEPT 09 As 90d but less wet
Solar Factor Improvements to apply to TV forecasts: EA SWIP but <b>BLOCKED</b> from Brit & Ire.	Solar Factor Improvements to apply to TV forecasts: Major EA <b>TOP SWIP</b>	Solar Factor Improvements to apply to TV forecasts: NSF / Q.	Solar Factor Improvements to apply to TV forecasts: Major EA but largely <b>BLOCKED</b>
 <p>Shows fade bec dry &amp; fine.</p> <p>Bec dry V warm (hot in Mids/S) &amp; Sunny</p>	 <p>Bec very wet. <b>Thunderstorms.</b> Ire bec dry &amp; brighter later. Cooler.</p>	 <p>Bec mainly dry. Warmer, variable sky.</p> <p>Bec dry with warm days &amp; fine.</p>	 <p>Mostly dry, variable sky.</p> <p>Dry, quite warm bright/sunny but high cloud.</p> <p>Thndr/ threats of thndr. Variable sky.</p>
15-16 SEPT 09 B = 75% Bec dry warm – hot in Mids & South – and sunny. High cloud. Likely possible weather map scenario: High pressure moves from West to over British Isles & blocks low pressure activity to North in Baltic / Scandinavia. Strong W'ly flow North of Scotland.	17 -18/19 SEPT 09 AB = 80% <b>Red Weather warning</b> Very wet with major thunderstorms & flash <b>floods.</b> Strong winds. Likely possible weather map scenario: Active fronts attack from West as High over BI collapses/transfers S/E. Low over N Scand / Baltic. Higher pressure over Central Europe	19-20 SEPT 09 AB = 80% Showers in North but decreasing. Dry warm & fine in South inc far South of Ireland. Likely possible weather map scenario: High pressure builds over South Britain while active lows and fronts pass to North / East.	21-23 SEPT 09 B = 75% <b>Red Warning (esp 21-22) Sharp SWIP</b> Dry, warm & mostly fine except SE which is cloudy & thundery / threats of thunder. Likely possible weather map scenario: Azores High extension over Ireland & Britain probably quasi-connects with South Scand High. Thundery low likely over France / SE Eng.
<b>Winds</b> (also p5) Vble light. W'ly in Scot.	W'ly / variable.	W'ly mod in Nth. Vble light in South Brit & far S Ireland	Vble light exc SE which is prob NE'ly mod / strong
<b>Temps</b> (see graph p5) Warm or hot	Turning dramatically colder	Bec warm in South	Warm except SE
<b>Sky</b> (see graph p5) Bright /sunny	Thick cloud. Ire brighter later.	Bright /Sunny Sth. More cloud Nth	Bright / sunny except SE.

**Most likely Detailed Weather - timing to 1 day.** Likely success rate of weather periods this month is 8 or 9 basically successful out of the 910

**Solar factors Corrections to apply to standard short range Meteorology forecasts (Smfs)** when they will come to be made on TV: **(Major) EA = Extra Activity** ie weather fronts (much) more active than Smfs as issued by Met Office/TV a few days ahead of events - making more rain, cloud, thunder, wind, whirlwind risk. **Sα, Sδ** etc types of **Sharp SWIP** (Solar Weather Impact Period) **Red Warnings** = potentially significantly more **extreme / dangerous** events. **Q**= Quieter. **NSF** = No Specific Solar Factors. **JSS** = Jet Stream South tendency. **JSN**= Jet Stream Normal.

<p><b>24-27 SEPT 09</b> Same as 90d ahead</p>	<p><b>28 SEPT – 1 Oct</b> As 90d ahead</p>	<p><a href="http://www.WeatherAction.com">WeatherAction World long range Extremes</a> – see also <a href="http://www.WeatherAction.com">www.WeatherAction.com</a> for USA Tornado forecasts &amp; extreme event forecasts for other parts of world</p> <p><b>Atlantic Region Tropical Storms &amp; USA Tornado Risk SEPTEMBER 2009 long range Forecast</b>                  SWT25d(extra) Issued 24 August 2009</p> <p>SWT25d(extra) involves a wider look at TS formation drivers and includes some otherwise lower probability formations – denoted <i>Ext</i>. Such additions could have identified the formation of Bill in Sept 09</p> <p>Atlantic/ Caribbean/Gulf Tropical Storm Formation &amp; /or Rapid development time periods dates normally accurate to 1 day. (East Pacific &amp; West Pacific forecasts also available). Dates refer to likely first reaching of Tropical Storm level; if storm does not reach such then TD formation date is taken as formation date measure.  <b>ENDGAME forecasts</b> will be issued if situations warrant such.</p> <p>Some periods are likely to also see enhanced USA thunderstorm &amp; Tornado risk (see Forecast via <a href="http://www.weatheraction.com">www.weatheraction.com</a> &amp; PayPal).</p> <p><b>Around 2-4 Sept TD/TS (Ext 70%) Most likely in Atlantic.</b></p> <p><b>Around 7-9 Sept TD/TS (Ext 70%) Most likely in Atlantic.</b></p> <p><b>Around 22-23 Sept TS/Hurricane (80%) –TWO storms likely</b>                  One in Atlantic and staying there-                  One on Atlantic-Caribbean-Gulf track US Landfall poss.</p> <p><b>Around 29-30 Sept (75%) TWO storms likely</b>                  One in Atlantic prob near Africa and staying in Atlantic.                  One likely on Atlantic-Caribbean-Gulf track US Landfall poss.</p> <p><b>Total Likely number of TS or TD forming: 4 or 5 (0.7X2 + 0.8X2 + 0.75x2, since prob not all will form); of which prob 3 reach TS or above.</b></p> <p>Audited reports of WeatherAction extreme events show a success rate of 85% and are available via <a href="http://www.weatheraction.com">www.weatheraction.com</a> 'Forecast Accuracy' button</p>
<p>Solar Factor Improvements to apply to TV forecasts: NSF some EA 25/26.</p>	<p>Solar Factor Improvements to apply to TV forecasts Sharp SWIP esp 28/29</p>	
<p>Mainly dry quite warm variable sky.</p>  <p>Dry v warm. Sunny. Humid later.</p>	<p>Bec very wet &amp; windy with major deluges &amp; thunder floods. SE becomes wet later.</p>  <p>Gales/sev gales in Scotland.</p>	
<p><b>24-27 SEPT 09 A = 85%</b>  <b>Dry &amp; fine in South becoming humid. Mainly dry in North.</b>                  Likely possible weather map scenario: Azores High extension advances into France as Med low fills somewhat &amp; retreats. Low to Nth of BI but fronts largely at sea.</p>	<p><b>28 SEPT – 1 Oct BC = 70%</b>  <b>Red Warning</b>  <b>Very wet. Widespread thundery deluges &amp; flash floods. Windy bec cold.</b>                  Likely possible weather map scenario: Icelandic Low deepens (or sub low develops) &amp; heads through N Scot to Norway Sea. Extremely thundery in SE / East &amp; in France / Germany.  <b>Jet Stream South.</b></p>	
<p><b>Winds (also p5)</b> W'ly mod in Nth light Sth.</p>	<p>Cyclonic / S'ly locally v strong. High tornado/ whirlwind risk. Gales in Scot.</p>	
<p><b>Temps (see graph p5)</b> V warm Sth, less N.</p>	<p>Bec cold later</p>	
<p><b>Sky (see graph p5)</b> Sunny S, variable Nth.</p>	<p>Thick cloud</p>	

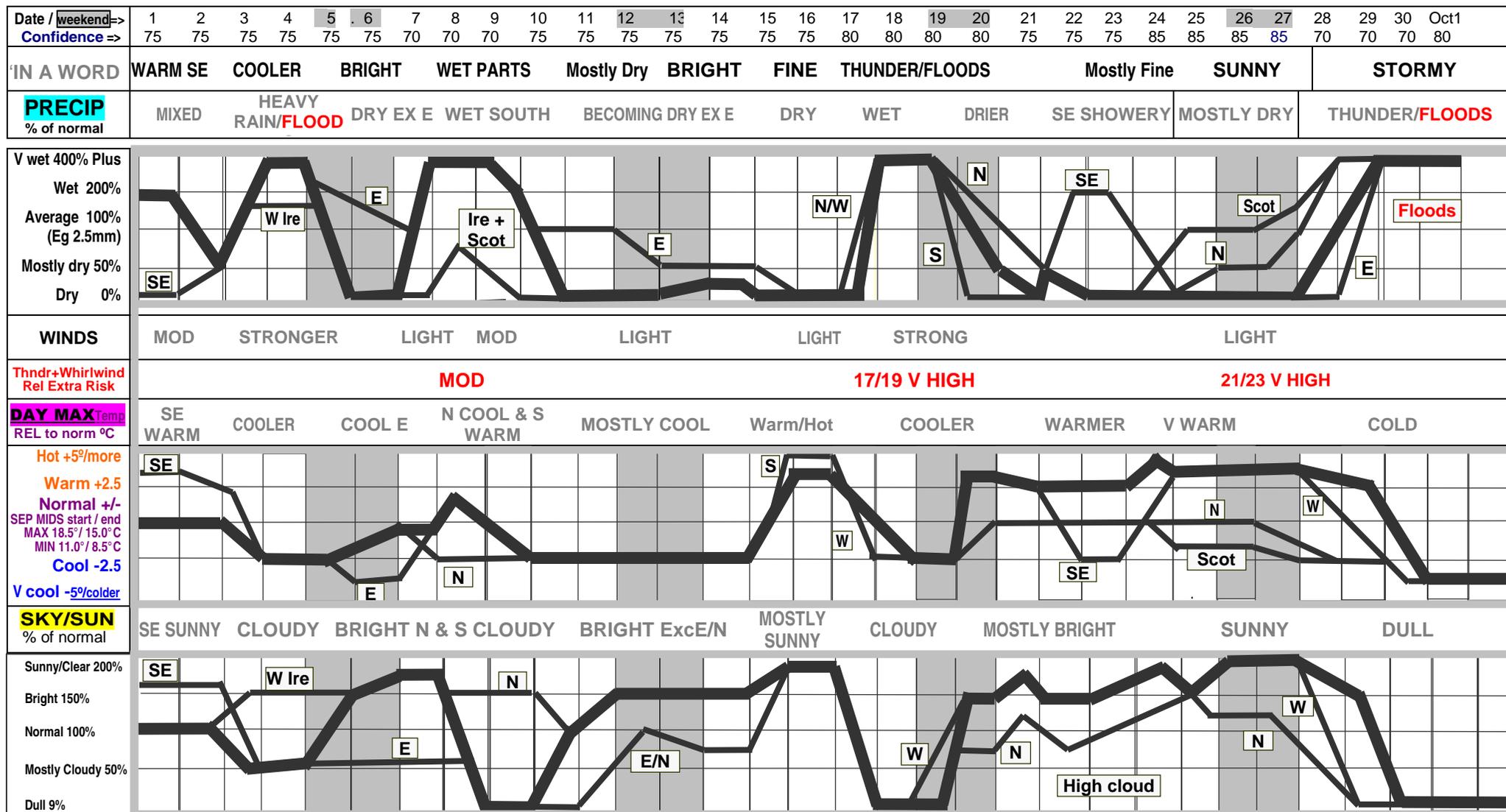


# Easy Look Forecast Graph BRITAIN & IRELAND SEPTEMBER 2009: 30d ahead update. SWT. Normally accurate to 1 day

Showing likely rain, temperature & 'clearness/brightness' levels around dates shown, NOT PRECISE DAILY PREDICTIONS. Weekends & hols shaded. 1961-90 norms standard.

Thin line = Region. Thick line = Rest of Brit & 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.



**Advice** 1<sup>st</sup> & 3<sup>rd</sup> w/ends wet /showery & improving; 2<sup>nd</sup> & 4<sup>th</sup> w/ends mostly fine. Well-defined wet /v wet spells in month

## Typhoon Morakot thrashes Taiwan in line with WeatherAction EndGame forecast.

See: <http://www.weatheraction.com/displayarticle.asp?a=71&c=1>



**Widespread damage after wind whips Victoria - SE Australia. WeatherAction long range forecast dramatically confirmed:**  
<http://www.weatheraction.com/displayarticle.asp?a=77&c=1>



Tropical Storms (TS) Goni and Morakot formed in the South China Sea / nearby west Pacific in the 'around 4-6 August' period and region as forecast by WeatherAction. Morakot subsequently confirmed WeatherAction's 'End Game forecast' staying below Category 3 expectations of standard forecasts and tracking more south giving greater rain & subsequent flood damage to Southern Taiwan.

## SEPTEMBER 2009 SWT25d Britain & Ireland Forecast deviations from normal (1961-90 averages).

PRECIPITATION	MAX TEMPERATURE	SUNSHINE/ SKY
<p>Precipitation percentage of normal</p> <p>120-150%</p> <p>110-140%</p>	<p>MAX TEMPS</p> <p>Temp deviations from local norm deg C</p> <p>-0.5 to -1.5C</p> <p>-0.7 to +0.7C</p>	<p>Sunshine percentage of normal</p> <p>70% - 100%</p> <p>85% - 105%</p> <p>90% - 115%</p>
<p><b>Precip:</b> Generally wet relative to local normals – more so in North.</p>	<p><b>MAX Temps:</b> Day Max Cool in North close to normal in South. Stark variations through month.</p>	<p><b>Sky</b> Cloudier than normal in N/W &amp; East. Close to normal in South/West.</p>

**Confidence** Confidence order of main parameters for SEP 09 is RST. SWT25d is more confident of Rain than Sun & Temp this month. **Main Uncertainty:** N/S divides

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

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 Weather Technique highest resolution long range forecast detail. They are not to be taken as exact prediction and 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 (eg) 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].

**Confidences** '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%

**Comparative info**  
 SEP 2009 (SWT 25d) com 90day ahead SWT25d(0)  
 Similar but warmer in Mids & South.

## Bill punishes Scotland & The Met Office exactly on cue even though WeatherAction had not forecast the *formation* of Bill – How can this be?!

Piers Corbyn said: "**Indeed. How can it be?** Our Solar Weather Technique can predict - normally to within a day - when the development (including recent history) of external solar and magnetic factors will cause certain weather events. In this case we had top confidence (85%) that the period 25-27/28th - especially the 26th - would see Scotland Ireland Wales & England struck by a deep organized low bringing major deluges, violent thunderstorms and very strong winds. We are normally confident to a day either way and in this case it happened to be exactly right.

**"The meaning of the forecast is that in that period 25-27/28 Ireland & Britain would be open to what could only be Tropical storm remnants to produce what we forecast. How then did we know they would come when we had not forecast Bill?** The answer is that we knew the door would be open and that the SWT history of the week leading up to then would channel something and it would get an extra boost as it arrived. Put another way SWT solar factors would:

(i) channel some sort of tropical remnants to the North Atlantic in the preceding week or so,

(ii) power extra frontal activity centered in timing on 26th August to give extra storminess & whirlwind risk to whatever arrives.

"Could this forecast have been right without something like Bill? The answer to that must be **'NO!'**. So inbuilt in the forecast we conclude there is a build-up of events and it seems we could in fact also say that something would have had to originate roughly along Bill's path - which is a reasonably reliable conveyor of tropical-maritime air in *these* circumstances. There are quite a few possibilities however as to storm starting points and strengths which would whack decisively giving a punishing blow to Scotland and hitting the rest of Britain & Ireland. *"Amazingly though it means we can in future use high confidence forecasts of events in Ireland & Britain (where our forecasts are the most advanced) to deduce what MUST precede in certain terms and so forecast the likely formation of otherwise difficult to predict tropical depressions or storms!"*

### The ENDGAME of Bill

Piers said his ENDGAME forecast [[19th August 2009 WeatherAction News No 56](#)] that *'Bill would be likely to **stay at or go above** predicted official levels over the few days to Sun 22 Aug - compared with current official forecasts and be likely to track in this period somewhat **to the right** of official projected tracks'* had turned out in a very interesting way. There were quite sudden deepening of Bill on 21st & 22nd but NOT a strengthening of storm category in fact it went *down* from 4 to 3 *earlier* than official forecasts. At the same time there was a development of Bill on the right of its path which although not shifting the plotted storm main eye showed extra activity to the right. It may be that this caused some sort of disorganization of flow which gave the contradictory behaviour of deepening but weakening of standard storm category. In this case detailed events appeared to confirm our predicted solar forcing factors in a basic sense but in a more complex way. **A Tropical storm is actually quite a delicate thing, the impact of sudden solar factors must be carefully applied.**

"Our prediction that *after* 22nd the risk of USA landfall (or land effect) by Bill would decrease rapidly and the edge effects would not be too bad were confirmed.

"Our 85% success rate in extreme event prediction including tropical storm formation is holding and our skill in long and short range storm track forecasting is advancing as is shown by our mid-August Tropical Storms report [see below].

**"We will report on more about our Solar Weather Technique at a public meeting on 28th October", Piers said.**

### The Perfect end to the Met Offices 'barbecue summer' debacle.

Piers said Lord Peter Mandelson has not yet replied to his letter (WANews No 53 below) suggesting that the Met Office long range operation be put out to tender, but that Hurricane Bill finally nailing the Met Offices 'barbecue summer' forecast might concentrate his mind. He said "During August the Met Office went to great lengths to try to save their absurd forecast. They use temp averages which include the nights which go up in wet weather; they talk up the warmth of London and the South/East as if it were the whole UK; and talked-up parts of this month as if it were representative of this lousy summer for the whole UK. **They have failed to convince the public and much of commerce is up in arms against their state-sponsored mis-information.**"

[25th August 2009 WeatherAction News No 57](#) = Above information. Hurricane Bill's Remnants Prompt Irish, British Gale Warnings <http://www.bloomberg.com/apps/news?pid=20601102&sid=aurOdQIfXsCA>

[16th August 2009 WeatherAction News No 55](#) "It's the Sun!" - 'Many hurricanes' in modern times - "Latest BBC /Nature report is more BBC Global Warming hype and cover-up" says astrophysicist.

[16th August 2009 WeatherAction News No 54](#) WeatherAction advances Storm forecasts: August storms success in Pacific and Atlantic - Mid August Report

[9th August 2009 WeatherAction News No 52](#) Typhoon Morakot thrashes Taiwan in line with WeatherAction EndGame forecast. Extreme events worldwide well confirm forecasts for 4-6 August SWIP

[10th August 2009 WeatherAction News No 53](#) Met Office bashed over bonuses for trickery & failure! Piers Corbyn writes to Lord Peter Mandelson acting Prime Minister: "The MetOffice long range & Climate operation should be called to account & put-out to tender".