



APRIL 2009 Britain & Ireland 30d ahead Forecast SWT25d
Summary - Overalls - Detailed weather periods – Extra Timing detail - Maps - Graphs - 7 pages
 - Including Solar based likely corrections to apply to Standard Meteorology Forecasts as on TV.
 Weather Action forecasts are the only long range forecasts with independently tested & published proven skill.
Longer Range & Forecasts for other Countries see www.weatheraction.com & www.lowefo.com
 For Short Range forecasts phone Weathernet personal premium rate service on 09061100445

Confidential Detailed 30d ahead **Britain & Ireland Forecast APRIL 2009 SWT25d** (Lbs1) Issued 31 Mar09 from SWT25d Euro maps issued 21 Mar 09 © Weather Action
 This is a commercial product. Publication of any part in media or web must be through agreed WeatherAction summaries– see www.weatheraction.com 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 months ahead. 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.

Latest Extreme Warnings p4
 US+Australia+Bangladesh

UPDATE NOTE: This 30day ahead forecast prod under SWT25d is v similar to the 80day, SWT25c(0), ahead fc but gives extra information on strength and timing of frontal activity. SWT25d also makes the April forecast overall less wet particularly in the South

Media & public web [Headline summary](#) Britain & Ireland April 09 Weather Action Forecast based on WeatherAction Euro maps issued 21 Mar 09

APRIL 2009: Spring delayed. Wet especially in North, blustery and cold. Hail and sleet /snow at times. Some late frosts. Ireland & South /SW England finer than most of Britain with a few warm Spring days.

The full **detailed** forecast gives 9 time periods with maps & graphs of the most likely weather type development through the month. See p 2-6

The essential weather type developments APRIL 2009

APRIL 2009 in Britain & Ireland will be dominated for most of the month by often strong NorthWesterly or cyclonic blustery conditions followed by colder Northerly spells which will include hail thunder & wintry showers. There will be a few warm or very warm sunny days mainly in S Ire & S/ W England but these will be often quickly followed by cold N'y weather esp in E/ NE.

General development.

- 1-4 April 2009. Mostly dry. Cool nights. Finer and warmer in S/W.
- 5-9 April 2009. Cyclonic with rain, hail and sleet becoming colder and more Northerly with snow likely on hills in North.
- 10/11-17 April 2009. Generally W'y flow. Quickly turning wet and windy in North. Finer in West & South..
- 18-24 April 2009. Cyclonic-Westerly bec Cyclonc N'y / N'y. Wet & windy then mostly dry (esp in West) and cold.
- 25-30/1st May 2009. High pressure to West and South drifts Eastwards across Britain. Becoming sunny & warm.

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WeatherAction Release 11 Mar International Climate Conference New York.

WORLD COOLING now locked in for 20 years

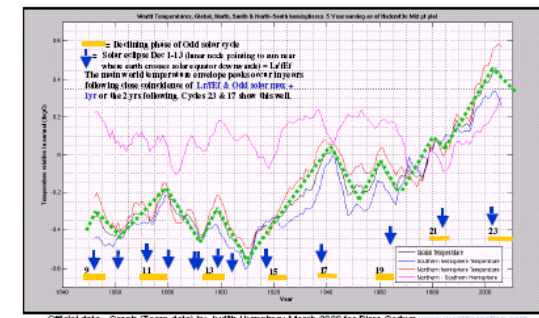
- **Climate science breakthroughs announced at New York Conference.**
- **'SLAM & VIPH' revolutionize understanding of weather & Climate**

At the New York ICCC 2009 Piers Corbyn, Astrophysicist of WeatherAction announced on March 10th (his birthday!) two major advances in the solar weather prediction process.

He identified a lunar influence that amplifies the solar magnetic effect on the earth. The peak of this effect occurred in 2002, which coincided with the major sixty year peak of two year moving averages in world temperatures.

The process appears to switch the Pacific Decadal Oscillation (PDO) cycle from 30 years of warmer to 30 years of cooler ocean. He named it the 'Solar Lunar Amplifier Magnetic (SLAM)' process. "This assists in finding periods of extremes in world weather as well as general climate forecasting. The approx 60 yr cycle of Pacific & world temperature & many weather & climate phenomena are a direct consequence of the SLAM process under this theory", said Piers.

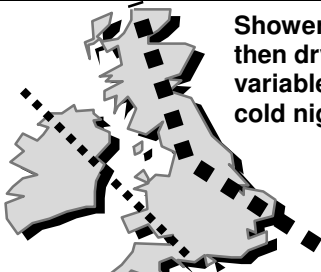
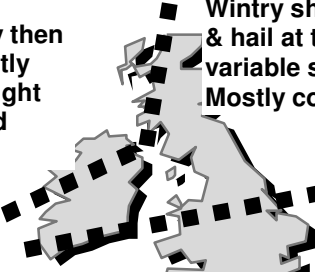
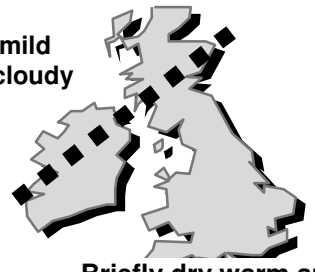
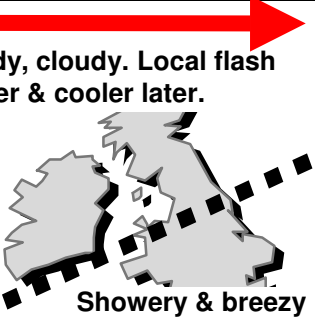
World temperatures signals & trends – 5yr moving avs



Official data - Graph (Temp data) by Judith Humphrey March 2009 for Piers Corbyn www.weatheraction.com
 The SLAM relationship between lunar nodes, magnetic solar cycles & world temps - graph in Piers Corbyn's presentation NewYork. More p 6.


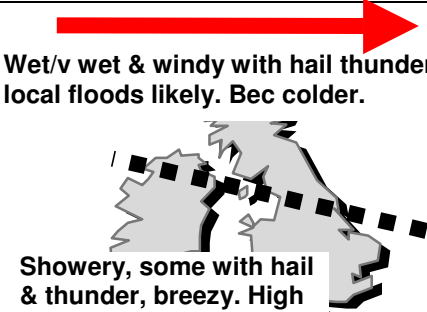

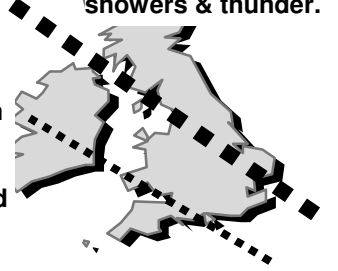
Most likely Detailed Weather - timing to 1 day. Likely success rate of weather periods this month is 7 or 8 basically successful out of the 9.

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 MetOffice/TV a few days ahead of events - making more rain, cloud, thunder, wind, tornado risk. **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 APRIL 09 Warmer by day than 80d*.	5-8/9 APRIL 09 More detail than 80d	9/10-10 APRIL Timing later than 80d	11-15 APRIL 09 V similar to 80d
Solar Factor Improvements to apply to TV forecasts: Mostly NSF / Q	Solar Factor Improvements to apply to TV fs: Special EA – SS(a) SWIP	Solar Factor Improvmts to apply to TV fcs Brief Q a transition period.	Solar Factor Improvmts to apply to TV fcs: Major extra Activity (SWIP2) esp 11-14 th
 <p>Shows fade then dry with variable sky & cold nights.</p> <p>Dry fine / sunny. Warm days, cold nights. Finest in Ire / SW.</p>	 <p>Briefly Showery then bec mostly dry & bright with cold nights.</p> <p>Wintry showers & hail at times variable sky. Mostly cold.</p> <p>Heavy rain & hail local flash floods esp 5th & 8th.</p>	 <p>Dry and mild turning cloudy</p> <p>Briefly dry warm and mostly sunny.</p>	 <p>Wet & windy, cloudy. Local flash floods. Drier & cooler later.</p> <p>Showery & breezy bright periods.</p>
<p>1-4 APRIL 2009 B = 75%</p> <p>Mostly dry. Some showers in N/E. Fine and quite warm in South, finest in SouthWest.</p> <p>Likely possible weather map scenario: Lower pressure to NE at first moving east & filling. High pressure centred to South / West moves Eastwards.</p> <p>(*21 Mar fc mps modified to give more extensive high pressure)</p>	<p>5-8/9 APRIL 2009 C = 65%</p> <p>Red Weather warning period Enhanced tornado risk</p> <p>Wet & windy with thunder rain, local floods hail sleet esp mids & S. Mostly dry & bright far NW.</p> <p>Likely possible weather map scenario: Cyclonic system in South, higher pressure to North/West.</p>	<p>9/10-10 APRIL 2009 B = 75%</p> <p>Dry and fine esp in South. Briefly quite warm in most parts on Good Friday (10th). Cloud increases later from W / NW. (see also p5 for Easter)</p> <p>Likely possible weather map scenario: Transition High pressure ridge moves to East.</p>	<p>11/12-15 APRIL 2009 AB = 80%</p> <p>Red Weather warning period</p> <p>Wet & windy in North with gales, local floods, thunder – mostly poor Easter Sat, Sun & Mon. S/SE less wet although some showers.</p> <p>Likely possible weather map scenario: Mobile. Active low pressure crosses from Iceland area to Norway sea. Higher pressure to South.</p>
Winds (also see graph p5): variable bec light.	Cyclonic with locally (near) gales in South/ Mids, bec NE'ly in Mids / Nth	W'ly light.	W'ly gales in North.
Temps (also see graph p5) Cold nights	Mostly cold	Mostly warm.	Cool days.
Sky (see graph p5) Bec fine esp W/S.	Mostly cloudy, prob brighter far NW	Briefly sunny.	North Cloudy, South variable.

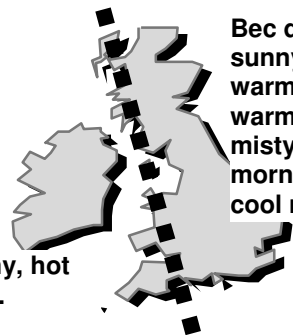
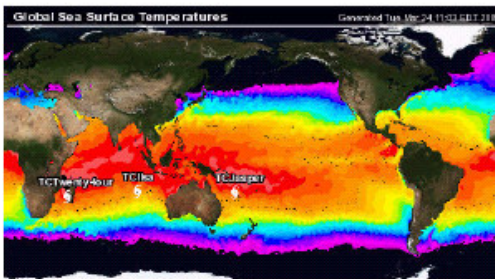
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16-17/18 APR Change - warmer than 80d.	18/19-21 APRIL 09 As 80d fc	22 -24 APRIL 09 As 80d fc	25-28 APRIL 09 Change from 80d
Solar Factor Improvements to apply to TV forecasts: Solar Factors: Q. Brighter than Smfs	Solar Factor Improvements to apply to TV forecasts: Special EA – SS(a) SWIP	Solar Factor Improvements to apply to TV forecasts: NSF / some EA	Solar Factor Improvements to apply to TV forecasts: Special EA – SS(d)(=new trial) SWIP
<p>Dry & bright becoming mostly sunny and warm</p>  <p>Dry & sunny, briefly very warm or hot.</p>	<p>Wet/v wet & windy with hail thunder & local floods likely. Bec colder.</p>  <p>Showery, some with hail & thunder, breezy. High tornado risk.</p>	<p>Showers wintry over hill ground - poss snow. Frosts.</p>  <p>Bec dry and bright, fine. Cold nights. Ground frosts poss. Misty mornings. Warm afternoons esp SW.</p>	<p>Bec suddenly much colder with hail wintry showers & thunder.</p>  <p>Brief blustery showers then warm days in S Ire / SW Eng & cold nights.</p>
<p>16-17/18 APRIL 2009 AB = 80%</p> <p>Bec dry bright or sunny. Bec very warm or hot in S Ireland & South/ SW Britain.</p> <p>Likely possible weather map scenario: Higher pressure to West as low pressure moves towards Scandinavia.</p>	<p>18/19-21 APRIL 2009 B = 75%</p> <p>Red Weather warning period Enhanced tornado risk esp in Sth.</p> <p>Very wet & windy local floods, thunder.</p> <p>Likely possible weather map scenario: New deep organised low pressure from West – W'ly / Cyclonic Westerly</p>	<p>22-24 APRIL 2009 B = 75%</p> <p>Weather Watch period for N & NE</p> <p>Dry & bright in Ireland & SW. Cold with hail and poss hill snow & frosts in Scot, NI & NE.</p> <p>Likely possible weather map scenario: Cyclonic Northerly bec N'ly. Filling low over Scand / Norway sea. Expanding ridge mid Atlantic.</p>	<p>25-28 APRIL 2009 B = 75%</p> <p>Rapid changes & contrasts.</p> <p>Likely possible weather map scenario: Atlantic high pressure. Rapid deepening Low pressure in Scand / polar type lows possible in N'ly airstream gives cold N'ly blast.</p>
<p>Winds (also p5) W'ly light. Mod/light in Scotland.</p>	<p>W'ly gales in North, bec NW'ly</p>	<p>N'ly, strong at first in NE; light in Ireland & SW.</p>	<p>N'ly light; strong in Scotland & NE. Light /v light in S Ire / S/SW Eng</p>
<p>Temps (see graph p5) Warm. V Warm / hot in Sth</p>	<p>Bec cool / cold esp in Scot. SW less cold rel to normal.</p>	<p>Cold close to normal in S Ire / far SW Eng.</p>	<p>Cold in Scot & N/E, warmer in SW</p>
<p>Sky (see graph p5) Fine /sunny</p>	<p>Mostly cloudy</p>	<p>Bright in S Ire & S/SW Eng</p>	<p>N cloudy. S/W bright</p>

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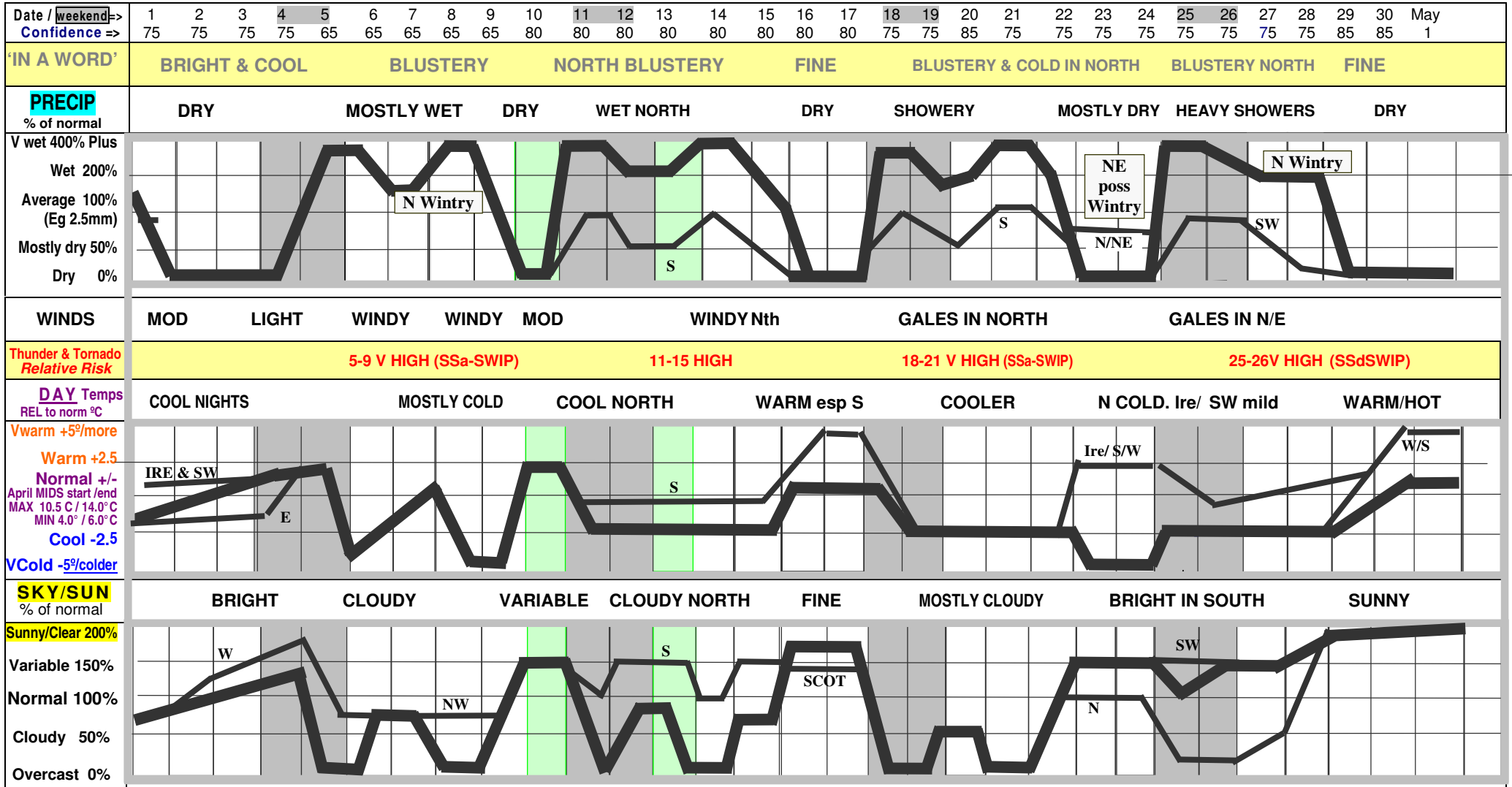
<p>29 APR - 1 MAY 09 v simil 80d fc</p>	<p>New 'Sharp Solar Effect' forecasts (SWT25d) superb.</p> <ul style="list-style-type: none"> • 'Uncanny' success declares observer • Sharp changes in weather over Europe confirmed. • THREE simultaneous cyclones in South Seas confirm special events' (24 Mar below) 	<p>WeatherAction World long range Extremes selected Events APRIL 2009 announced at News conf 27 March</p>
<p>Solar Factor Improvements to apply to TV forecasts: Solar Factors Q brighter than Smf</p>	<p>Posted http://climaterealist.com/news.php?id=3117&linkbox=true</p>	<p>Note Other extreme events are likely around the world in these Solar Weather Impact Periods (SWIPs):</p>
 <p>Bec dry & sunny, warm /v warm days, misty mornings, cool nights.</p> <p>Dry & sunny, hot afternoons.</p>	 <p>Both the forecast trial periods (9-10 March & 22-25 March) of Special Sharp Solar-Weather effects produced under SWT25d have been excellently confirmed.</p> <p>Nic Bliss, hiker, E-mailed Piers Corbyn of WeatherAction on 24 Mar: "...a note of congratulations...I was looking at the BBC forecast the other day and thinking how they'd got it wrong again - I thought I'd check to see whether you had got the recent spell of spring weather and then the change to the ghastly stuff we've got today. And - hey presto - absolutely spot on. If I was sitting down and describing the weather as it is now (and the BBC seem to struggle doing even that), I couldn't have done it better than your forecast from whenever you did it. It's uncanny!..."</p> <p>Full Report: "New advances now emerging http://climaterealist.com/news.php?id=3090&linkbox=true</p>	<p>Around 5-7 April Tropical cyclone (formation) off Queensland; land touch not likely. Confidence 75% (Ew0912)</p> <p>Around 11-15 April North USA / South Canada - Massive disruptive snow deluges and major storms of extreme wind snow and rain / sleet / hail eg South Central Canada (Lake Superior included) and North Central USA (eg Minnesota) More snow and extreme hail/rain . Confidence 85% (Ew0913)</p> <p>Around 18-21 April. Tropical cyclone (formation) off Queensland, chance of land hit < 10%. Confidence 75% (Ew0914)</p> <p>Around 23-28 April. Central west America Major Thunder & hail eg Colorado Mountains and south to Nevada. Also notably high geomagnetic activity in this period. Confidence 85% (Ew0915)</p> <p>Around 23-25 April Central Bangladesh. Hail and damaging storms & tornadoes Confidence 75% (Ew0916)</p>
<p>29 APRIL - 1st MAY 2009 A = 85%</p>		<p>Piers Corbyn also announced that WeatherAction will provide a Full long range Tropical storm & Typhoon forecasts for the May to September 2009 season in the following regions:</p>
<p>Blue skies, morning mist, warm sunny afternoons. A burst of Spring!</p>		<ul style="list-style-type: none"> ⇒ 'Atlantic basin' - Tropical Atlantic and Caribbean / Gulf region ⇒ Eastern Pacific region ⇒ West North Tropical Pacific Typhoons inc South China sea and Taiwan, Japan & Philippines
<p>Likely possible weather map scenario: High pressure advances from West , low-pressure over Finland / Russia.</p>		<ul style="list-style-type: none"> • WeatherAction Extreme event forecast for specific storm / snow deluges, tropical storms/typhoons &c March to Dec 08 scored success rate 42/49=86% Full Reports contact WeatherAction.
<p>Winds (also p5) N'ly light bec vble v light</p>		
<p>Temps (see graph p5) Warm. Hot in Ire & SW eng</p>		
<p>Sky (see graph p5) Sunny</p>		

Easy Look Forecast Graph BRITAIN & IRELAND APRIL 2009: 30d ahead update. SWT25d. 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.



Events Weather Weekends: - Mostly poor – Saturdays better than Sundays especially Sat April 4th better than Sun 5th
 Easter 10th –13th: - Good Friday best day, Sat-Mon wet / showery in Nth. Mostly dry / less wet in S/SE.

Breakthroughs announced at New York Conference – continued from page 1....

Poleward energy flow & world temperatures changed by Virtual Particle Heating (VIPH) process.

Also in New York on March 10th Mr Corbyn announced a process of ‘**virtual particle heating**’, relating to the effectiveness of the earth to radiate heat back into space being changed by solar particles.

This effect, which he named the "Virtual Particle Heating" (VIPH) process, explains how solar charged particles change – through various means - the poleward heat flow from the equator impacting world average temperature. "There are large solar particle driven variations in poleward energy flow, which change world average temperature" he said.

Jay Lehr, Science Director at the Heartland Institute, acknowledged Piers’ work on SLAM & VIPH as significant breakthroughs in the understanding of solar influence in weather and climate. In his closing address to the International Climate conference, Bob Carter, Research Professor at James Cook University, emphasised the importance of long range weather forecasting and in particular Piers Corbyn's work, in identifying the solar influences and modulation in the worlds climate trends.

PowerPoint AND Audio of Presentation is on <http://www.heartland.org/events/NewYork09/proceedings.html> - section V track 1. See slide 16 for SLAM process, slide 22 for VIPH equation & slide 28 for world Temperature forecast to 2030. Also visit that site for Prof Carter's and other speeches.

APRIL 2009 SWT25d Forecast deviations from normal (1961-90 averages).

PRECIPITATION	MAX TEMPERATURE	SUNSHINE/ SKY
<p>Precipitation percentage of normal</p> <p>110-180%</p> <p>100-120%</p> <p>75-100%</p>	<p>MAX TEMPS</p> <p>Temp deviations from local norm deg C</p> <p>-1.2 to -2.2C</p> <p>-0.6 to -1.6C</p> <p>-0.3 to -1.3C</p>	<p>Sunshine percentage of normal</p> <p>75% - 95%</p> <p>90% - 110%</p> <p>100% to 120%</p>
<p>Precip: Generally above normal esp in North. Ireland & West & South Britain probably below normal</p>	<p>MAX Temps: Below normal in all or most parts. Scotland & NE colder than S Ire & SW Eng & Wales rel to Norm.</p>	<p>Sky: Below normal in North & North/ East. SouthWest & Ireland finer.</p>

Confidence. Confidence order of main parameters for this **ARIL 2009** is: **RTS**, i.e. SWT25d is more confident of Rain/Precip than Temp & Sky cover this month.
Main Uncertainties: Positions of Jet stream.

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% of being in error.

Comparative info
APRIL 2009 (SWT 25d) compare with 80day ahead fc
 Similar but less wet in 30d than 80d (SWT25c)

NW Australia Tropical Cyclone Ilsa 17 March - First SWT major Southern hemisphere cyclone forecast

MONITORING REPORT FOR SWIP (Solar Weather Impact Period) "Around 15-17 Mar 09" 3 extreme weather events forecast announced at Press conference London 27 Feb and in bulletin 28 Feb 09. The forecasts (espec US/Canada Snow/rain & Cyclone off NW Australia) were also announced at the final plenary session of the International Climate Change Conference New York by Piers Corbyn on 10 March and were for:

- => **Severe gales in Scotland & North Sea (Ew0909)**
- => **Heavy snow & rain in Central Canada /USA & NE USA (Ew0910)**
- => **Tropical Cyclone off NW Australia (Ew0911)**

ALL three events confirmed in General. General score 3/3; Detail score 7/9

- => **55 knot winds in Scotland;**
- => **Deep Active Low crossed N USA/ S Canada giving heavy rain & Snow but prob less intense than expected.** Also at same time major Floods S of Chicago due to snow melt exacerbated by rains;
- => **Tropical Cyclone 22 (Ilsa) formed off NW Australia**

General level Score 3/3 = Confirmation to question: Did basic events occur in the general region within the core time allowing 24hr each side on UT (GMT) ?:

More detail Score = 7/9 (marks being 2/3, 2/3, 3/3) **Event Details Below:**

1. SCOTLAND Ew0909:

Confirmed: (Severe) gales (and heavy rain)

Event occurred but half day early so detail score 2/3. The Specific forecast map of active deep low(s) tracking Eastward with centre N of Scot also confirmed on 14th but half a day early.

http://news.bbc.co.uk/weather/hi/uk_reviews/newsid_7945000/7945194.stm

It was partic windy in Scotland as in forecast 'around 15-17 Mar 09 (within half day of core period)

Review of UK weather 14th March 2009"...It was a particularly windy day across Scotland and parts of northern England with westerly gales in many areas. For example, Rosehearty in northern Aberdeenshire recorded a gust to 55 knots between 1500 and 1600....

http://news.bbc.co.uk/weather/hi/uk_reviews/newsid_7947000/7947764.stm :

Review of UK weather on 16/03/09 There was plenty of rain overnight across central and north-western parts of Scotland and parts of Northern Ireland. The heaviest of the rain occurred across the mountains of north-west Scotland...**Highest Rainfall: Lusa (Highland):24.2mm**

2. USA/ Canada Ew0910

Generally confirmed with most rain/snow in NorthWest & some central USA (& corresponding parts of S Canada) & East USA (separate systems). Active multi-fronted well-organised (partic on 16th) low tracking East centred S Canada see maps http://www.hpc.ncep.noaa.gov/dailywxmap/index_20090317.html

Events occurred but confirmation of location/intensity not as good as previous snow deluges hence 'detail score 2/3'

<http://www.accuweather.com/news-story.asp?partner=&article=2>

Rain and Snow Still Target the Northwest Updated: Sunday, March 15, 2009 2:35 PM.

Through the day on Monday, a chilly and moist flow of air off the Pacific Ocean will continue to shape weather over the Pacific and **interior Northwest. Rain and snow will fall over the region with a wide-range impact.** It will stay rainy and chilly between the coast and the foothills of the Cascades. Rainfall will tend to be moderate with rain falling intermittently rather than steadily. Highest rainfall in California's Klamath-Siskiyou and northern Redwood regions will reach 1-2 inches. Along the Cascades to the northernmost Sierra Nevada, snowfall will be locally heavy with new snowfall of 1-2 feet above the key passes in the southern Cascades. Moderate amounts of new snow will fall at pass level along I-90 in Washington and I-80 over the northern Sierra Nevada of California. However, significant snow will hold above I-5 where it crosses high country in northern California to southern Oregon. East of the Cascades, **weather impact will vary widely eastward to western Montana and northwestern Wyoming.** Locally heavy snowfall of more than 1 foot will blanket higher mountains in western Idaho and in the Yellowstone region. Yet for most of the region, rain and snow will tend to be spotty with

showers of rain and higher snow leaving mostly light amounts through Monday. Story AccuWeather.com Senior Meteorologist Jim Andrews.

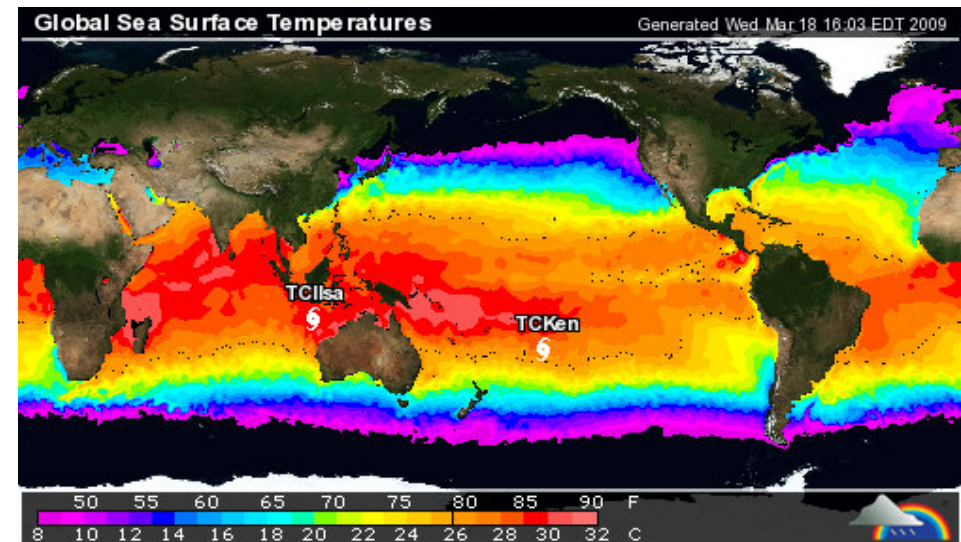
15 March USA Deep low coming across N USA / South Canada re above forecast.

Floods in Red river basin (S of Chicago) from snow melt and rain just before and during this SWIP.

[USA 16th March 2009 from NOAA site] PRECAUTIONARY/PREPAREDNESS ACTIONS...THIS FLOOD WARNING IS A RESULT OF HEAVY RAINS ACROSS SOUTHERN IOWA THROUGH CENTRAL ILLINOIS BASIN EARLIER THIS WEEK ON THE ORDER OF 3 TO 5 INCHES... THE NATIONAL WEATHER SERVICE WILL MONITOR THIS SITUATION AND ISSUE. FOLLOW UP STATEMENTS AS CONDITIONS OR FORECASTS CHANGE. SAFETY MESSAGE...NEVER DRIVE CARS...TRUCKS OR SPORT UTILITY VEHICLES THROUGH FLOODED AREAS. THE WATER MAY BE TOO DEEP TO ALLOW FOR SAFE PASSAGE....

3. SOUTH INDIAN OCEAN off NW Australia Ew0911

CONFIRMED - Tropical Cyclone formation of TC 22 = Ilsa level TC1 occurred in forecast area within forecast time period. TC4 was expected. Detail, event, place and time all confirmed detail score 3/3. Maps below = Mar 18th 16.03EDT = 20.03 UTC TC Ilsa (& Ken) already formed <http://www.wunderground.com/tropical/>



AUSTRALIAN BUREAU OF METEOROLOGY TROPICAL CYCLONE WARNING CENTRE PERTH <http://www.bom.gov.au/products/IDW60281.shtml> indicates Ilsa (=TC22) was TC Cat 1 at 09hrs WDT = 00hrs GMT on 18th and therefore formed by then ie on 17th March UTC
TROPICAL CYCLONE FORECAST TRACK MAPS via : [Tropical Cyclone Advice](http://www.weatheraction.com) . Tropical Cyclone Ilsa (TC 22) issued at 9:53 pm WDT Wednesday 18 March 2009 gave useful info.