



CONFIDENTIAL

## 80 day ahead SWT25c(0) Brit & Ire APRIL 2009

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### Longer range Format issued 8 Feb 2009

This 20-80 day ahead 10 time periods forecast is produced under Solar Weather Technique SWT25c(0) which is the basic stage of SWT25c. The Full SWT25c update will give extra information and detail particularly on strength and timing of storms.

## **APRIL 2009: Spring delayed. Very wet, blustery and cold. Hail and sleet /snow at times. Some late frosts. Ireland & SW England finer than most of Britain. Few warm 'Spring' days**

The full **detailed** forecast gives 10 time periods of the most likely weather type development through the month.

### The essential weather type development APRIL 2009

APRIL 2009 in Britain and Ireland will be dominated for most of the month by often strong NorthWesterly or cyclonic blustery conditions followed by colder Northerly spells which will included hail thunder and wintry showers. There will be a few warm or very warm fine days espec in S Ireland & SW England but these will be quickly followed by cold Northerly weather espec in East nd NE parts.

#### **General development.**

1-4 April 2009. NW'ly flow mostly dry.

- Cool, finer and warmer in S/W.

5-9 April 2009. Cyclonic with rain, hail and sleet becoming colder and more Northerly with snow on hills in North.

10-17 April 2009. Generally W'ly becoming N'ly later.

- Briefly mostly dry and fine quickly turning wet and windy (less so in SW) then cold with wintry showers espec in N/E.

18-23 April 2009. Cyclonic-Westerly bec Cyclonc N'ly then N'ly.

- Wet & windy then mostly dry and cold.

25-31/1<sup>st</sup> May 2009. High pressure to West and South turning to high pressure to West.

- Mostly dry and fine briefly warm becoming colder espec nights.

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# **Weather periods APRIL 2009 SWT25c(0) Confidential**

Time windows normally accurate to +/- one day. About 8 of the 10 should be basically correct this month.

**Red Warning = Significantly dangerous or hazardous weather. Red Watch = lower confidence Red Warning**

**Solar Factors:** SWIP = Solar Weather impact period. EA = Extra Activity and will lead to more rain / wind/ thunder / cloud than Standard Meteorology forecasts (Smfs) will suggest when they come to be produced in short range one or two days ahead of events. Lightning / Tornado (and Aurora) Relative risk compared to normal increases with EA.

NSF = No Specific Solar factors; Q = Quiet – less rain/wind / cloud than Smfs.

Confidence levels A (85%) , AB (80%), B (75%), BC (70%); C (60%)

**1-4 APRIL 2009 B = 75%**

**Mostly dry. Some showers in N. Fine and quite warm in South, finest in SouthWest.**

**Likely possible weather map scenario:**

High pressure centred to South / SouthWest. Low pressure to NE with poss subblows over Scotland at times

Winds: NW'y light.

**5-6/7 APRIL 2009 B = 75%**

**Red Weather warning period**

**Wet & windy with thunder rain, local floods hail sleet.**

**Likely possible weather map scenario:**

Cyclonic system in South, higher pressure to North/NorthWest

Winds Cyclonic with gales in South, NE'y in central & North prts

**7/8-9/10 APRIL 2009 B = 75%**

**Dry and fine in Ireland and West / SouthWest, some showers East.**

**Likely possible weather map scenario:**

High pressure centred to West, lower pressure passing to East and filling

Winds: W/NW'y light.

**10/11 APRIL 2009 AB = 80%**

**Dry and fine in Ireland, West and South, some showers in Scotland & NorthEast. Briefly quite warm in most parts. Cooler in Scotland & NE.**

**Likely possible weather map scenario:**

High pressure centred to South grows over most of Britain & Ireland

Winds: W'y light.

**11/12-15 APRIL 2009 AB = 80%**

**Red Weather warning period**

**Wet & windy in North with gales, local floods, thunder, some showers in South.**

**Likely possible weather map scenario:**

Active low pressure crosses from Iceland area to Norway sea. Higher pressure to South

Winds: W'y gales in North

**16-17/18 APRIL 2009 A = 85%**

**Bec dry & bright in Ireland & West. Cold and wintry in East & NE. Mist & fog. Frost risk in Scot & N/E England.**

**Likely possible weather map scenario:**

Higher pressure to West as low pressure moves towards Scandinavia.

Winds: N'y light in Ireland & West, mod in NE.

## Weather periods April 2009 SWT25c(0) Confidential continued

Time windows normally accurate to +/- one day. About 8 of the 10 should be basically correct this month.

**Red Warning = Significantly dangerous or hazardous weather. Red Watch = lower confidence Red Warning**

**Solar Factors:** SWIP = Solar Weather impact period. EA = Extra Activity and will lead to more rain / wind/ thunder / cloud than Standard Meteorology forecasts (Smfs) will suggest when they come to be produced in short range one or two days ahead of events. Lightning / Tornado (and Aurora) Relative risk compared to normal increases with EA.

NSF = No Specific Solar factors; Q = Quiet – less rain/wind / cloud than Smfs.

Confidence levels A (85%) , AB (80%), B (75%), BC (70%); C (60%)

**18/19-20 APRIL 2009 B = 75%**

**Red Weather Warning period**

**Very wet & windy local floods, thunder.**

**Likely possible weather map scenario:**

New deep low pressure from West - Cyclonic Westerly

Winds W'ly gales in North, bec NW'ly

**21-24 APRIL 2009 B = 75%**

**Red Weather Watch period for North & NE**

**Dry & bright in Ireland & SW. Cold with hail, hill snow & frosts in North & NE.**

**Likely possible weather map scenario:**

Cyclonic Northerly

Winds N'ly, strong in NE, light in Ireland & SW

**25-28 APRIL 2009 A = 85%**

**Mostly dry Fine and warm in South – bec very warm in S Ireland & SouthWest England. Showers in Scotland & NE.**

**Likely possible weather map scenario:**

High pressure centred to South / SouthWest extends over most of Ireland & Britain. Active Lows and fronts to NorthEast

Winds: NW'ly light, stronger in Scotland

**29 APRIL – 1<sup>st</sup> MAY 2009 A = 85%**

**Dry, fine in Ireland, bright in Britain turning cold espec in East. Clear skies. Morning mist. Frost risk in N/E England & East Scotland.**

**Likely possible weather map scenario:**

High pressure maintained to west, low-pressure to NorthEast

Winds: N'ly light, mod in East

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

This Britain & Ireland forecast is part of Weather Action's European forecast area which is bounded by Iceland, Portugal, / Gibraltar, Syria, The White Sea & Svalbard.

**The headline summary** (p 1) is the key points *summary* statement for the month.

**The essential weather type development** (p 1) gives the most likely essential developments through the month.

**The detailed *most likely weather periods***, typically of around 3 or 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** given in forecast details (pages 2, 3 & 4) are the 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 of 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 possibly longer in: (i) long weather periods, (ii) longest range forecasts where a 1% uncertainty in 300 days ahead will be 3 days or (iii) situations where consecutive weather periods are similar].

### **Confidences in weather periods.**

'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.

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