



British Isles Forecast 30day ahead SWT23A

Summary - Overalls - Detailed weather periods - Maps - Graphs

- Including Solar based likely corrections to apply to Traditional Meteorology Forecasts as on TV.

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Detailed 30d ahead Forecast JULY 2007 SWT23A UPDATE issued 30 JUNE 07 (Lb1 & full HS) Similar to 7month ahead but wetter. First Long Range Forecast for JULY 07 was issued 7m ahead in DEC 06 under SWT22t

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Weather Action's Solar Weather Technique forecasts provide: Weather developments, 'Solar Factors' and Confidence:

- **Most likely weather scenarios** in each period predicted months ahead. Note: relative changes between weather periods are more reliably forecast than details in each period. *Notes on changes from previous fc are indicated*
- **The 'Solar Factor'** most likely corrections which need to be applied a few days ahead to traditional Meteorology forecasts (TMFs) – eg as issued on TV.
- **Confidence.** Each month's long range forecasts is broken into normally 8 weather periods. The most confident periods are labelled 'A' and the less confident 'B' or 'C'. In B or C periods the forecasts should be applied with more caution. Nevertheless SWT statements about relative changes between weather periods, and about how Traditional computer-based TV forecasts - when they come to be made - are likely to need modification, are still generally reliable.

CHANGES from the 7 month & 45day forecasts: Mostly making wet periods longer and warm parts less warm – and more like the 7m ahead fc in parts.

JULY 2007 30d detail issued 30th June 07. See notes for changes from first forecast issued 7month ahead.

Wet. More floods. Less wet in Scotland. Short sunny warm spells. Prolonged cloudy wet or very wet often thundery periods. Humid.

JULY 2007. Much of the month will tend to have varying Higher Pressure to the NorthWest or North. Prolonged wet thundery largely cool periods come as Low pressure attacks at times from the West while there are also Low developments in North Sea /Scandinavia. Higher Pressure in Europe for much of July slows ('partially blocks') the progress of weather fronts across Britain causing heavy rain. Between wet periods short bright or sunny, warm (especially in West) spells develop as High pressure extends over the British Isles from the South and/or North. The warm sunny spells will not last long enough for unusually high daytime temperatures to occur anywhere in the British Isles. Nights however will generally be not cold. The end of the month is wet windy and cool on Westerly 'more mobile' flow.

Overalls: **Rainfall:** Above or well above normal in England and Wales. Scotland less wet. **Temps:** Overall mostly close to or below normal in England and Wales. East coolest. SouthWest and Scotland warmer than other parts relative to normal. **Sunshine:** Cloudy except Scotland.

Confidence: The general scenario confidence of summer months 2007 is June B, July AB, Aug A. Confidence order of main parameters for **JULY 2007** is: RTS, i.e. SWT is more confident of Rain and Temperature than Sun levels overall this month. This is mainly because of variable cloud in thundery humid blocking spells

Severe weather warnings: Heavy Rain, thunderstorms, floods, hail and enhanced tornado risk:

3rd/4th-6th, 9th-11th, 16th-18th 22nd-26th, 30th-Aug 1st (**RED = highest threat**)

Weekends JULY 2007: Weekends generally better than weekdays. (Confidence in brackets) **For Sporting events weather see Table on graph page 5**

7th-8th Sat Rain clears from W, E showery; Sun sunny spells, new rain from W pm .(B)

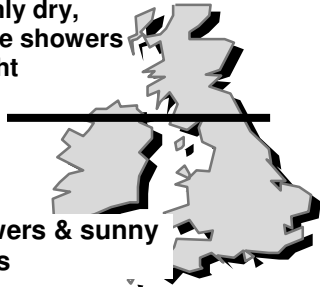
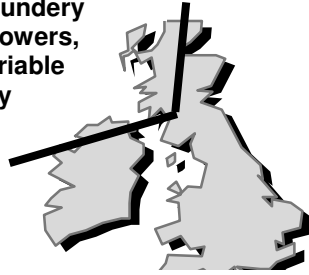
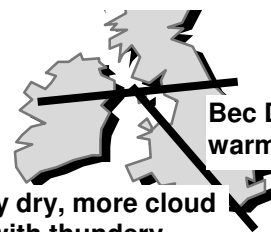
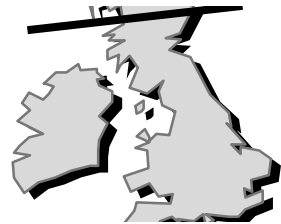
14th-15th Bec mostly dry with long sunny periods by Sunday. Prob best weekend, of month with Sunday best day (85% confidence) (BA).

21st-22nd Mostly dry and sunny spells esp Sat. E cooler. Sunday Rain from W. (BC).

28th-29th Sat showers in East and improving from SW. Sun Bec bright and warm sunny spells. (A)

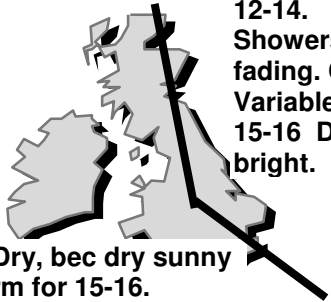
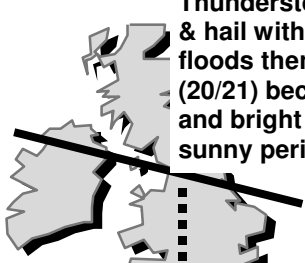
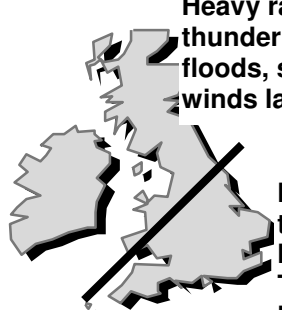
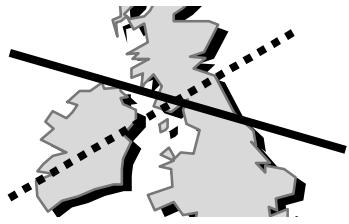
Developments through month - timing to 1 or 2 days. Likely success rate of the 8 time windows this month is about 6 or 7 successful and 1 or 2 unsuccessful.

Solar factors: EA = Enhanced frontal Activity compared with traditional meteorology. Q = Quieter (decrease of frontal activity comp with trad meteorology). NSF = No specific Solar Factors.

| | | | |
|--|---|---|---|
| <p>1-3 JULY Cooler and wetter than 45d</p> | <p>3/4-6 JULY Same as 45d/7m ahead. Timing as on p1 = starts 3/4th</p> | <p>7-8 JULY Simil but Less warm than 45d</p> | <p>9-11 JULY v similar to 45day ahead wetter than 7m ahead.</p> |
| <p>Improvements to apply to TV forecasts: NSF/Q 1-2 less active than tmfs</p> | <p>Improvements to apply to TV forecasts: EA level 4</p> | <p>Improvements to apply to TV forecasts: Q finer than Tmfs</p> | <p>Improvements to apply to TV forecasts: EA TOP LEVEL</p> |
| <p>Mainly dry, some showers bright</p>  <p>Showers & sunny spells</p> | <p>Thundery showers, variable sky</p>  <p>Heavy rain, hail & thunders. Floods in West, Midlands/ N Midlands</p> | <p>Bec dry and sunny, warm days cold nights.</p>  <p>Bec Dry, quite warm, sunny.</p> <p>Mostly dry, more cloud later with thundery showers in Ire.</p> | <p>Showers, variable sky, then wet & thunder.</p>  <p>Major thunderstorms, hail and floods espec in N & E Mids</p> |
| <p>Showers and sunny spells. Warm in sun at times, mild nights</p> <p>High Pressure centred to North/ NorthWest and Lower pressure to South / West which moves Eastwards bring and showers and bright spells probably brighter 2nd/3rd.</p> | <p>Wet. Heavy thunderstorms and hailstorms. Rain spreading to all parts from West - less wet in Scotland. Floods especially in West & Midlands/North Midlands.</p> <p>High Pressure to North recedes as active thundery lows develop from West. Low pressure also in N Sea /Scandinavia. Enhanced tornado risk - High Aurora likely</p> | <p>Mostly Dry, quite warm and sunny</p> <p>High pressure builds and expands from North/ as Low fills in Scandinavia and new low approaches from West.</p> | <p>Wet. Major thunderstorms and floods (+hail) bec generally, cool and breezy over whole country</p> <p>Active Fronts cross whole country from West; secondary thundery lows in South. Lows in Scandinavia /Norway Sea/ North Sea V High Enhanced tornado risk. Aurora likely</p> |
| <p>Winds S'ly Cyclonic</p> | <p>Cyclonic strong at times in near thunderstorms.</p> | <p>S'ly, prob bec E'ly light.</p> | <p>SW'ly / Cyclonic then N'ly / NW'ly , strong esp in W & near thunderstorms.</p> |
| <p>Temps Variable. Nights mild</p> | <p>Cool. Nights mild</p> | <p>Quite warm, cool nights in scot</p> | <p>Bec v cool.</p> |
| <p>Sky Sunny spells, brighter in Scotland.</p> | <p>Cloudy</p> | <p>Mostly sunny</p> | <p>Dull. Thick cloud</p> |
| <p>Confidence B</p> | <p>AB. Thunder, A</p> | <p>B. Sunnier than previous = A</p> | <p>AB Temperatures C</p> |

Developments through month - timing to 1 or 2 days. Likely success rate of the 8 time windows this month is about 7 successful and 1 unsuccessful.

Solar factors: EA = Enhanced frontal Activity compared with traditional meteorology. Q = Quieter (slow down of frontal activity comp with trad meteorology). NSF = No specific Solar Factors.

| | | | |
|--|---|---|---|
| <p>12-16 JULY Warmer than 7m ahead, less warm than 45d</p> | <p>17-21 JULY 17-19 wetter than 45d. 20/21 Simil but less warm.</p> | <p>22-26 JULY same as 45d..</p> | <p>27-31 JULY & Aug 1st Simil to 45d but bit more rain & cloud</p> |
| <p>Improvements to apply to TV forecasts: 12/13 Some EA. 15-16 Q Finer than tmfs</p> | <p>Improvements to apply to TV forecasts: 17-19 EA. 20-21 Q.;</p> | <p>Improvements to apply to TV forecasts: EA level 2</p> | <p>Improvements to apply to TV forecasts: 27-29 Q/NSF. 30th-1 Aug EA</p> |
|  <p>12-14. Showers fading. Cool. Variable sky. 15-16 Dry bright.</p> <p>Mostly Dry, bec dry sunny and warm for 15-16. Cloud in W later.</p> |  <p>Thunderstorms & hail with floods then (20/21) bec dry and bright with sunny periods</p> <p>Major thunder & floods. Then 20-21 more warm & sun esp Ire & Wales.</p> |  <p>Heavy rain, thunder hail floods, strong winds later</p> <p>Heavy rain, thunder hail, floods. Tornadoes likely.</p> |  <p>Mostly dry with sunny spells. From 30th wet windy esp in NW, cool.</p> <p>Dry, warm and sunny spells then Wet and windy from West. Floods.</p> |
| <p>12-14th Mostly dry start, becoming warm esp Scotland.</p> <p>Variable skies, finest in Scotland and SouthWest.</p> <p>High pressure builds from West and NorthWest as remnants of previous period Lows move into Scandinavia and fill.</p> <p>15-16th Dry sunny & warm. High pressure over whole B Isles.</p> | <p>17-19th Rapidly becoming wet or very wet with hail & floods. Windy & cool.</p> <p>Low pressures sweep in from West as High pressure recedes. Deep Low develops in Scandinavia later.</p> <p>Enhanced tornado risk - Mod Aurora likely</p> <p>20-21st Dry fine & bec warm or v warm & humid.</p> <p>High pressure builds from North as shallow lows wallow to South/SouthWest.</p> | <p>Major thunderstorms and floods turning wet and windy.</p> <p>High pressure retreats to N as powerful Lows sweep across country from West /SouthWest.</p> <p>Enhanced tornado risk V HIGH Aurora likely</p> | <p>27-29th Dry becoming fine warm and mostly sunny. High pressure builds.</p> <p>30-31 & Aug 1st Wet, windy & cool. Thunderstorms at first. Very wet with floods in Wales and West.</p> <p>Low pressures sweep in from West and head for Denmark as High retreats</p> |
| <p>Winds: NW'ly mod becoming S'ly light. 15/16:vble light, bec SW'ly from West.</p> | <p>17-19 SW'ly mod, bec W'ly strong esp in W & Nth. 20/21 NE'ly light.</p> | <p>S'ly becoming SW'ly / variable strong/gale in places espec near thunderstorms.</p> | <p>Variable (27-29), then W'ly strong/ poss gale at times in North/West.</p> |
| <p>Temps becoming warm</p> | <p>Cloud. Sunny periods later</p> | <p>Cool esp in NW later</p> | <p>Warm /v warm SW; 30th -1st bec cool</p> |
| <p>Sky Bright bec sunny from Scot/West</p> | <p>Fine S & vble N. Then 20/21 cloudy.</p> | <p>Cloudy. Thick cloud</p> | <p>Sunny then thick cloud from 30th</p> |
| <p>Confidence B=>A. Fine later =A</p> | <p>BC. Hail & thunder 17-19 = A</p> | <p>A Major thunder = A</p> | <p>A Mobile later = A.</p> |

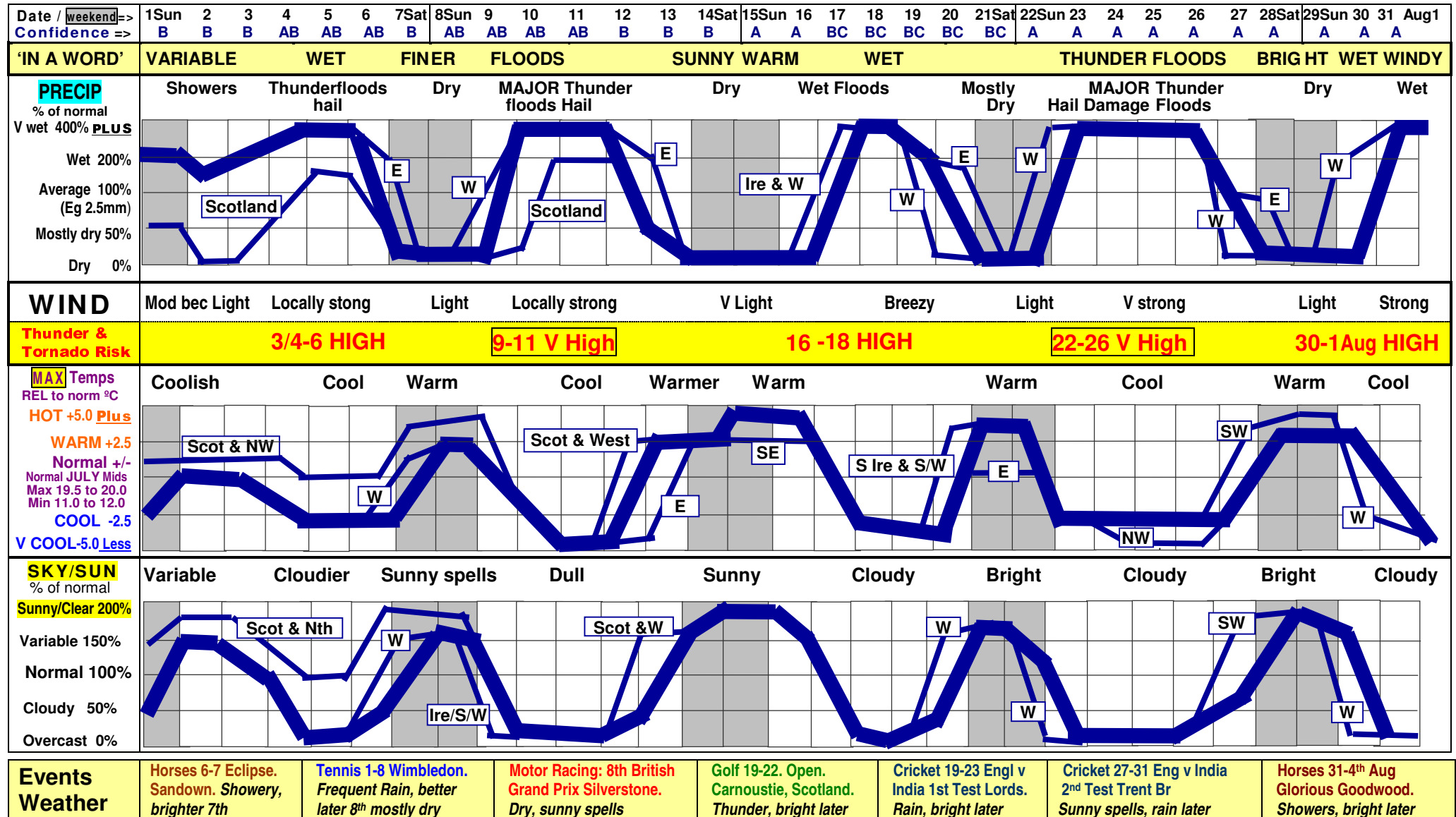


Easy Look Forecast Graph JULY 07; 30d update. SWT23A. For changes from 12m ahead, see text. **Normally accurate to 1 or 2 days.**

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

For confidence of each weather period forecast refer to Date row. For possible *Alternative Scenarios* (+++++) see notes on maps

For Solar Factor improvements to Traditional Met Short range forecasts when they become available a few days ahead of weather refer to maptables. 1961-1990 norms are standard.



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JULY 2007 30dUpdate SWT23A. Forecast deviations from normal. Comparison with 1961-90 normals.

| RAINFALL | MEAN TEMPERATURE | SUNSHINE |
|--|--|---|
| <p>Precipitation percentage of normal</p> <p>100%-150%</p> <p>90% to 120%</p> <p>130%-230%</p> <p>150% to 250%</p> | <p>MEAN Temperature deviations from norm deg C</p> <p>-0.2 to +0.8 deg</p> <p>-0.5 to -1.5 degC</p> <p>-0.8 to +0.2 degC</p> | <p>Sunshine percentage of normal</p> <p>85% to 115%</p> <p>70% to 90%</p> |
| <p>WET. Scotland closer to normal.</p> | <p>COOL in most parts. Scotland close to or above normal.</p> | <p>CLOUDY. Scotland close to normal</p> |

Confidence. The general scenario confidence of summer months 2007 is June B, July AB, August A; ie **July is mid confidence.**

Confidence order of main parameters for **JULY** is: RTS, i.e. SWT is more confident of Rain & Temperature than Sun levels overall this month. This is mainly because of shortness of finer spells and variable cloud.

The general confidences in each weather period.

A, B, C refer to relative confidences of the general forecast statements with A most confident:

- An 'A' forecast has approximately 85% chance of being essentially right and 15% chance of being wrong.
- A 'B' forecast has approximately 75% chance of being essentially right and 25% chance of being wrong.
- A 'C' forecast has approximately 65% chance of being essentially right and 35% chance of being wrong.

CONFIDENCE IN TERMS OF 'LUCK LEVELS':

A is 55% better than luck level (which could be regarded as 78% against a luck level of 50%)
 B is 45% better than luck level (which could be regarded as 73% against a luck level of 50%)
 C is 20% better than luck level (which could be regarded as 60% against a luck level of 50%)

Comparitive information from JULY 07

LR forecast issued 7 month ahead in DEC 2006 (SWT21s):

Rainfall: Close to or above normal, local variations due to thunder.

Temps: Overall mostly above normal especially in East and South.

Sunshine: Above normal in East. More variable in West.

=> SWT23A has made the forecast wetter, cooler and duller.

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