



RTQ Forecast & News Aug1 to Sept1, 2013 p1

Red Weather, Thunder/Tornado risk, Quake-Volcanism trials

Actual Weather Events may be added to 'World Extreme events' in separate pdfs

Results and news see www.weatheraction.com Comments and <http://climaterealist.com>

AUGUST 2013 - AUG 1 to SEPT 1 for R; same* for QV

See page 2 for RTQ data Table first published 16 July in B+I 45d forecast for AUGUST 2013.

THIS document circulated July 4/5.

SLAT 9A and 'JSX' periods

JSX periods (trials): Important issues to monitor for R periods and Quakes under SLAT9A

The new SLAT9A is intended to better identify periods of Jet Stream eXceptional (JSX) behavior such as when Cut-off highs (eg over Brit+ Ire July 7-9th) or the results of other large Jet stream self-closing loops (a cut off low being another case), bifurcations, switches or swings will start (and may continue after the period) anywhere in the world.

In August 2013 RTQ forecast – table overleaf - **JSX** possible periods are noted.

July WeatherAction RTQ World Report

The most significant periods of the month (**R5 ~7-9th** and **R4~21-23rd**) were superbly confirmed in solar, Geophysical and USA terms. The impressive results for the two **R5/R4** and associated **QV5/QV4** periods are itemized below - as posted on blog <http://bit.ly/15pnjFK> which reported on WeatherAction meeting 26th July.

R5 (and QV5) ~7-9July "AMAZING FORECAST" for events on Sun, USA and Earthquakes

As explained on some YouTube clips of Toronto floods THE VERY EXTREME weather ~July 8, 2013 involved local turbulence over a wide area including Toronto and the Derecho type storm USA ~MidWest. Locations of intense hail storm system(s) including Toronto and a Derecho scale storm (Ohio valley 10th utc) were all explicitly LongRange predicted by WeatherAction for our **R5 Top Red period** ~7-9 July +/-1d.

PICS prev blog <http://bit.ly/14iUVqV>

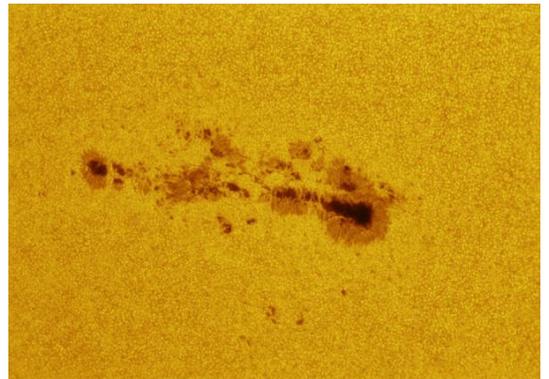
See <http://www.weatheraction.com/displayarticle.asp?a=561&c=5> for more links: key links:

<http://www.weatheraction.com/docs/WANews13No27.pdf>

<http://www.accuweather.com/en/weather-news/storms-heat-spread-across-plai-1/14998018>

On The sun the giant active region AR1785 was Earth facing on the 8th, in line with WeatherAction's RTQ forecast, <http://spaceweather.com/archive.php?month=02&day=01&year=2013&view=view> and an **M6.6** Quake off PNG confirmed WeatherAction's associated **QV5 (M6.5+ extra risk)** period also 7-9 July

<http://earthquake.usgs.gov/earthquakes/eventpage/usb000i8ey#summary>



21-23 July. HOWZAT! Sev Storms S Canada to N-Center USA and M6.5 Quake NZ

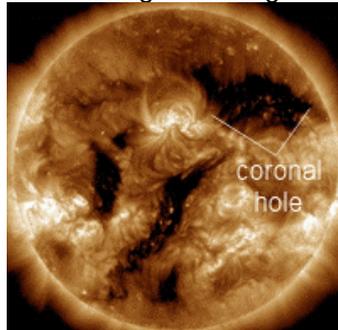
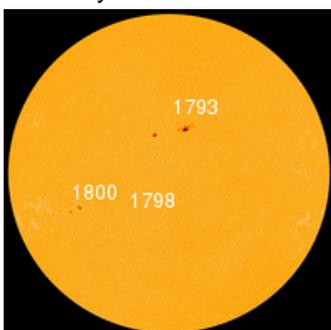
<http://www.accuweather.com/en/weather-news/severe-storms-southern-canada/15540265#.UeydWqPF4es.twitter>

SUPERB MATCH to 21-26th July period of WeatherAction USA **JULY FREE FORECAST**

21 July. Spot-on quake trial forecast results (**M6.5 NZ 21st** and all **M6,5+** since 7 July) - plus new China Quake.

21-23 July	R4	High	High	21-23 July	QV5	V Major Earthquakes - Volcano M 6.5+ extra risk
Major Earth-facing Coronal holes &/or Active regions near central longitude solar disc likely.						

21st July Solar disc also has ~Earth-Facing Active region AR1793 and Large Coronal Holes



<http://spaceweather.com/archive.php?day=21&month=07&year=2013&view=view>



Timings of **QV (TRIAL)** periods now put at same as **R** periods (see below), but levels may differ, under procedures **SLAT9A** (same as **SLAT8C** for **R** periods under this revised procedure, **SLAT8C(Qa)**, for **QV** periods).

Red Warning periods, R, – are standardized **R1 to R5** (most extreme effect) in WeatherAction Solar Lunar Action Technique. They indicate Solar-Lunar drivers of thunderstorm and related extreme events around the world. Extreme weather event risk periods such as thunder/tornado (espec USA) development & potential Tropical Storm Formation and development periods are consequences of these drivers and are also periods in which standard meteorology models will notably underestimate strength of deluges, thunder, snow etc in forecasts from a day or so ahead. In these periods typically standard meteorology forecast (smf) estimates of rain/snow from a day or so ahead need to be doubled (or more for R5). Dates are UTC for estimation although there are uncertainties. FORECAST MAPS & detailed forecasts with corresponding specific likely weather events are issued for various parts of the world. Lesser extreme ('Extra Activity') and 'Quiet periods' and likely consequent weather scenarios are stated therein.

Major Earthquake – Volcano Trial Risk Periods, QV, are in similar 1-5 categories as R periods, but need not be the same as R. QV Periods are largely similar to Red warning weather periods and are not specific to any particular Earthquake prone region or location. The largest Quake/volcano activity in term of intensity and prevalence (av per day) is expected in **QV5** and **QV4** periods and should include more **M6+** quakes. QV3 may include M6+ and QV1-2 are less likely to have such but should have some extra activity. (Nb qv notation discontinued). Some preferred earth hemispheres for major quakes are also given. **M6.0 & above earthquakes are Red in US Geological Survey** <http://earthquake.usgs.gov/earthquakes/eqinthenews/> M6.0 is a convention. Other levels (eg M5.7+, M6.5+, M7+) may help. Results best obtained via <http://earthquake.usgs.gov/earthquakes/eqarchives/epic/>

RTQ Forecast Table Aug 1st-Sept1st 2013

NOTE for use of 0.5 dates if applied, eg 14.5 means noon utc 14th.

Date AUG 2013	Solar Lunar Factor Red Weather Warning	Extreme Weather Events		Date AUG 2013	Major Earthquake + Volcano Risk trial Risk	
		Thunder	Tornado		QV4, QV5 Tested by M6+. In R5 M6.5+ likelihood increases. QV trial forecasts under SLAT8CQVa	
~1 st AUG	R3	Med	Med	~1 st Aug	QV3	Some extra Earthquakes-Volcano M 5.7+ likely QV Earth-facing Active regions &/or Coronal holes near central longitude solar disc quite likely but not major.
4-6 Aug	R5 JSX	Top High	Top High	4-6 Aug	QV5	V Major Earthquakes - Volcano M 6.5+ extra risk Major Earth-facing Coronal holes &/or Active regions near central longitude solar disc very likely.
9-11 Aug	R2	Low/Med	Low/Med	9-11 Aug	QV4	Major Earthquakes - Volcano M 6.0+ likely Earth-facing Active regions &/or Coronal holes near central longitude solar disc likely.
12-14 Aug	R3	Med	Med	12-14 Aug	QV3	Some extra Quakes – Volcano M 5.7+ extra risk Earth-facing Coronal holes &/or Active regions near central longitude solar disc likely.
15-17 Aug	R5, part JSX	Top High	Top High	15-19 Aug	QV5	V Major Earthquakes - Volcano M 6.5+ extra risk Major Earth-facing Coronal holes &/or Active regions near central longitude solar disc likely.
18-19 Aug	R4	High	High	24-27 Aug	QV2	Some but Not much significant extra activity
24-27 Aug	R2 x 2, 24-25 & 26-27	Low/Med	Low/Med	29 Aug- Sep 1st	QV5	V Major Earthquakes - Volcano M 6.5+ extra risk Major Earth-facing Coronal holes &/or Active regions near central longitude solar disc likely.
29-30 Aug	R5*	Top High	Top High			
31 A- 1Sep	R4*	High	High			
	*Mobile rather than JSX					
(R5+R4) Fraction = 9/32 = 28% (1A-1S)				(QV5+QV4) Fraction = 9/32 = 28% (1A-1S)		

General Red Warning (R) and Quake –Volcano (QV) Solar and Geomagnetic Associated effects.

All periods, especially **R4, R5**, are likely to be preceded by / include some or most of major or extra solar flare activity, Coronal holes, proton bursts, fast solar wind, increased ionospheric activity, geomagnetic storms, aurora, noctilucent clouds / sprites.

News and commentary of Weather & Earthquake Events is sent out via twitter @Piers_Corbyn -

http://twitter.com/Piers_Corbyn and <http://www.facebook.com/profile.php?id=100001281948141&sk=wall>,
www.WeatherAction.com and <http://climaterealist.com/index.php>