



**RTQ Forecast Periods** - accurate to -1 day. Gen success rate ~ 85%  
 Red Warnings, Thunder/Tornado Risk & Major Earthquake/Volcanism Trial Risk  
 • Now with new quake-volcano trial forecast clarifications

Actual Weather Events may be added to 'World Extreme events' in separate pdfs  
 Results and news see [www.weatheraction.com](http://www.weatheraction.com) Comments and <http://climaterrealists.com/index.php?id=9718>

# MAY 2013 {MAY 1 to MAY 31 for R; MAY 5 to MAY 31 for QV}

R data below first published 15 Apr in B+1 45d forecast for May. THIS document issued May 3/4 under procedures **SLAT8C** for R periods and (new) **SLATQVt3** 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.

- (NH) sudden polar LOWER stratospheric warmings are a winter phenomena and not listed in other months.

MAY 2013	Solar Lunar Factor Red Weather Warning	Extreme Weather Events Thunder Tornado		Major Earthquake + Volcano Risk <b>trial</b> Risk
NOTE for use of 0.5 dates, eg 14.5 means noon utc 14 <sup>th</sup> . R & <b>QV</b> dates and levels are not always same				
1-2 May	R3	High	High	02-04 MAY QV5 was in April RTQ issue
7-9 May	R3	High	High	7-9 MAY QV3 Important Earthquakes-Volcano <b>M 5.7+ likely</b> . Earth-facing Active regions &/or Coronal holes near central longitude solar disc quite likely but not major Preferred hemisphere unsure
10-11 May	R4	V High	V High	10-14 MAY QV3 Important Earthquakes-Volcano <b>M 5.7+ likely</b> Quakes – Volcanoes esp Pacific ring, either hemisphere.
14-15 May	R2 (poss 3)	Mod	Mod	Earth-facing Active regions &/or Coronal holes near central longitude solar disc quite likely but not major.
19-22 May	R3	High	High	16-18 MAY QV5 Major Earthquakes - Volcano <b>M 6.5+ extra risk</b>
23-24/5May	R3	High	High	19-21 MAY QV5 Major Earthquakes - Volcano <b>M 6.5+ extra risk</b>
27-29 May	R5+	Top High	Top High	24-25 MAY QV4 Signif Earthquakes - Volcano <b>M 6.0+ extra risk</b> 26-29 MAY QV5+ V Major Earthquakes - Volcano <b>M 6.5+ extra risk</b> Significant Earth facing Coronal holes &/or Active regions likely near central longitude solar disc
<b>(R5+R4) Fraction = 5/31 = 16% (1-31 May)</b>				<b>(QV5+QV4) Fraction = 12/27 (5-31 May) = 44%</b>

This is an interestingly R and QV skewed month with the biggest actions after mid month and especially the fourth week (22-29<sup>th</sup>)

### 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.

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