



**RTQ (+ssw) Forecast** Periods accurate to ~1 day. Gen success rate ~ 85%  
**Red Warnings, Thunder/Tornado Risk & Major Earthquake/Volcanism Trial Risk**  
**Now with Polar (NH) Sudden Stratospheric Warmings**

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>

# JANUARY 2013 (Jan 4-Feb 3) issued Jan 4 from SLAT8C(s) Jan Periods prod Dec 15<sup>th</sup>

Note Dec RTQ was to Jan 3<sup>rd</sup> and first active period in this RTQ which starts Jan 4<sup>th</sup> is Jan 6-7<sup>th</sup>

**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 same as R categories Q and q (with Q>q) used in the past are now taken as Q for 4,5 and q for 1-3 although such resolution may not be reliable. Volcano risk divisions are generally taken as the same as Q although there may be differences in reality. These combine to give QV, qv, ( and possibly Qv, qV) periods.

QV Periods are largely the same as Red warning weather periods and are not specific to any particular Earthquake prone region or location although SLAT 7A and SLAT 8 (from 2011 June 1<sup>st</sup>) may give some preferred earth hemispheres – see table. Q periods should give ~M6.0 & above earthquakes (Red on US Geological Survey) eg as on <http://earthquake.usgs.gov/earthquakes/eqinthenews/> & associated volcanism and increase of lesser quakes in low average quake level regions. M6.0 is a conventional convenience. Other measures (eg M5.7+, M6.5+, M7+) can be considered.

## SLAT 8C(s) includes (NH) polar sudden stratospheric warmings (winter) - SSWs

<b>JAN 2013</b>	Solar-Lunar Factor <b>Red Weather Warning</b>	Extreme Weather Events Thunder Tornado	<b>Major Earthquake + Volcano Risk Trial Risk</b> NOTE QV (Geophysical) periods may differ from corresponding R (weather) periods. For discussion see Report at PONLAF: <a href="http://bit.ly/yJcMM9">http://bit.ly/yJcMM9</a> QV4, QV5 Tested by M6+. M6.5+ likelihood increases in R5
NOTE for use of 0.5 dates, eg 14.5 means noon utc 14 <sup>th</sup> . R & QV dates and levels are not always same			
6-7 Jan	<b>R3</b>	High	High
			<b>6-8 Jan QV3 Major Earthquake and Volcano risk</b> Earth facing Coronal Holes/active regions likely near central longitude solar disc <b>M 5.7+ likely</b> Pacific ring - Hemisphere either.
10-11 Jan	<b>R3</b>	High	High
			<b>10-11 Jan QV3 Major Earthquake &amp; Volcano</b> Earth facing Active regions &/or Coronal holes near central longitude solar disc <b>M 5.7+ likely</b> Pacific ring - Nth Hem or close to Equ prob preferred.
13-14 Jan	<b>R1</b>		
<b>17-20 Jan</b>	<b>R5+</b>	<b>V High</b>	<b>V High</b>
<b>17-18 Jan Sudden Polar Stratospheric Warming</b> followed by (within 2d) significant building of Greenland/Iceland High, major cold blasts & snow/ <b>major blizzards</b> BI/ Eu, USA			<b>16-19 Dec QV5+ Major Earthquake &amp; Major Volcano</b> Earth facing Active regions &/or Coronal holes near central longitude solar disc 17/18th <b>M 6.5+ likely</b> , Pacific ring – S Hemisphere prob preferred.
21-22 Jan	<b>R2</b>	Mod	Mod
			<b>21-22 Dec QV3 Major Earthquake &amp; Volcano</b> Earth facing Coronal Holes/active regions likely near central longitude solar disc. <b>M 5.7+ likely</b> Pacific ring – S Hemisphere prob preferred
23-25 Jan	<b>R2</b>	High	High
			<b>23-25 Jan QV3 Major Earthquake &amp; Volcano</b> Earth facing Coronal Holes/active regions likely near central longitude solar disc. <b>M 5.7+ likely</b> Pacific ring – Hemisphere either.
<b>31Ja-3Fe</b>	<b>R5+</b>	<b>V High</b>	<b>V High</b>
<b>31Jan-1Feb Sudden Polar Stratospheric Warming</b> followed by (within 2d) significant building of Greenland / Iceland High and major cold blasts and snowfalls / <b>major blizzards</b> BI / Europe (prob more snow than 17-18 Jan SSW in Europe) and USA.			<b>30 Jan-2 Feb QV5+ Major Earthquake &amp; Major Volcano</b> Earth facing Coronal holes &/or Active regions likely near central longitude solar disc 31 Jan – 1Feb <b>M 7.0+ likely</b> Pacific ring – N Hemisphere prob preferred .

### 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. The Quake (Q and q) periods, particularly Q types are likely to be significant in the Pacific Ring this year.

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