

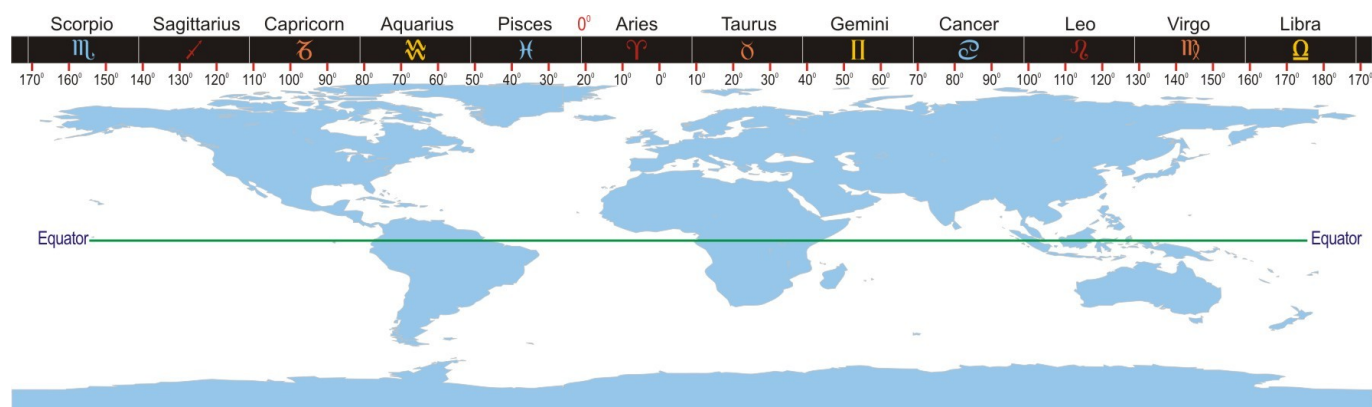
A Look into Extreme Weather Events of 2010 and 2011 Through Sky Mapping Research

by Brian Keats

In my researches into the correlations between astronomical and weather events, I needed to find a way to map the heavens onto the Earth. I figured that if I could find such a correlation for the extreme weather event of Cyclone Tracey which devastated Darwin in Australia on Christmas Day 1974, then I would be on the right track. My method of scientific research was empirical. I compared my ideas against historical events that actually took place.

The common map of the planet has 0° longitude going through Greenwich, England, and 0° latitude at the equator.

Does the map of the Earth co-ordinate with the sky? I was trying to see if there could be a constant map of the sky placed onto the Earth; i.e. irrespective of the Earth's axial rotation. After much trialing with other astro-geographers' and astro-meteorologists' work, I felt comfortable with projecting the 0° sky beginning point (the start of Aries) at 23° west of Greenwich. I overlaid the Zodiac onto the Earth starting from Aries (near Reykjavik in Iceland) and then projected from there to Taurus, Gemini etc. eastward around the globe. I had divided the Earth into 12 longitude zones based on the sidereal Zodiac constellations each spanning 30° yet projected onto the usual equatorial system of the planet. In this fashion, Australia comes under Leo and Virgo whilst New Zealand is under Libra. The projection map below shows the connection between the heavens and the Earth in my system.



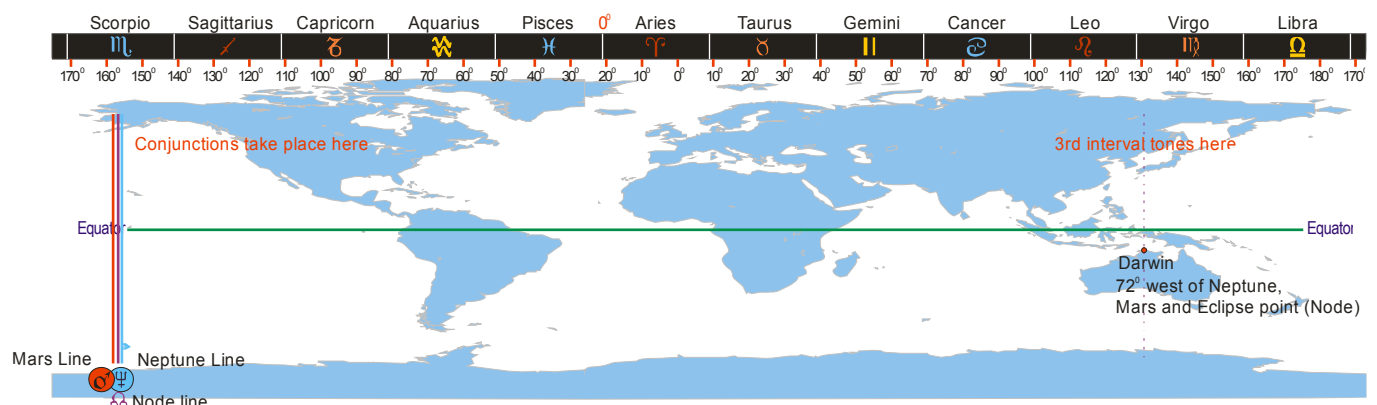
Thus, if there is a conjunction (planets passing each other from the Earth's point of view) between Venus and Jupiter occurring in Virgo, I look to see if there are any significant weather events taking place in eastern Australia. I note the constellation position of the planet and mark its longitude onto the map projection as a line at right angles to the equator (not to the ecliptic).

However, using this method only with the three of the main planetary aspects, I could not find anything that would help me understand Cyclone Tracey which was the most compact cyclone recorded until it was surpassed in 2008. The compactness was an important factor for me as cyclone cells can cover a large area.

In July 2010, I revisited investigating this cyclone. This time I tried looking at other planetary aspects besides conjunctions (planets passing each other), oppositions and squares (planets at 90° to each other). I had also been exploring music at the time. Comparing planetary aspects to music as Johannes Kepler did back in the 17th century, the conjunction (0° aspect) is equivalent to the prime, opposition (180°) to the octave and 90° to the fourth interval. For those

unfamiliar with musical intervals, we are more familiar with the scale do-re-mi-fa-so-la-ti-do. Do would be the 1st note on a scale and mi the 3rd. If I hear 'do' and then 'mi' I have experienced the interval of the 3rd. I found that the 3rd interval kept cropping up in extreme weather events and this relates to a planetary aspect of 72° or quintile – it is also the internal angle of the pentagon.

Back in 1974 when the cyclone struck over the mid Pacific – 72° east of Darwin – Mars was overtaking Neptune for the third time that month and two hours before had just passed the position where ten days before the last solar eclipse had taken place (Moon and Sun on the so-called node point). The eclipse set the scene. The planetary conjunctions and the node provided the prime tone over the Pacific and the 3rd interval sounded over Darwin. There was more evidence but that was the essence of it as far as I could see. I now felt more confident in my mapping projections. I felt that Cyclone Tracey had pointed me to the musical interval of the 3rd for investigating extreme weather events.



But how could planets meeting over the Pacific have a weather effect elsewhere? Something more familiar might help to begin to relate to it, even though the simple example may not be a direct comparison. In this age, we have all experienced a sonic boom. A jet breaks the sound barrier and at that instant, the person who sees the jet is in a different space-time location to the person who hears it. You see it and later you hear it. The light ether gods express different laws to the sound ether gods.

In the spring of 2010, Central Australia was flooding not once but several times. Lake Eyre was in this catchment and usually fills up around every 11 years. By my map projection Saturn's longitude line was in Virgo over this region. There was a sequence of extraordinary weather events that happened under this slow moving longitude line as Saturn moved eastward. The following are some examples:-

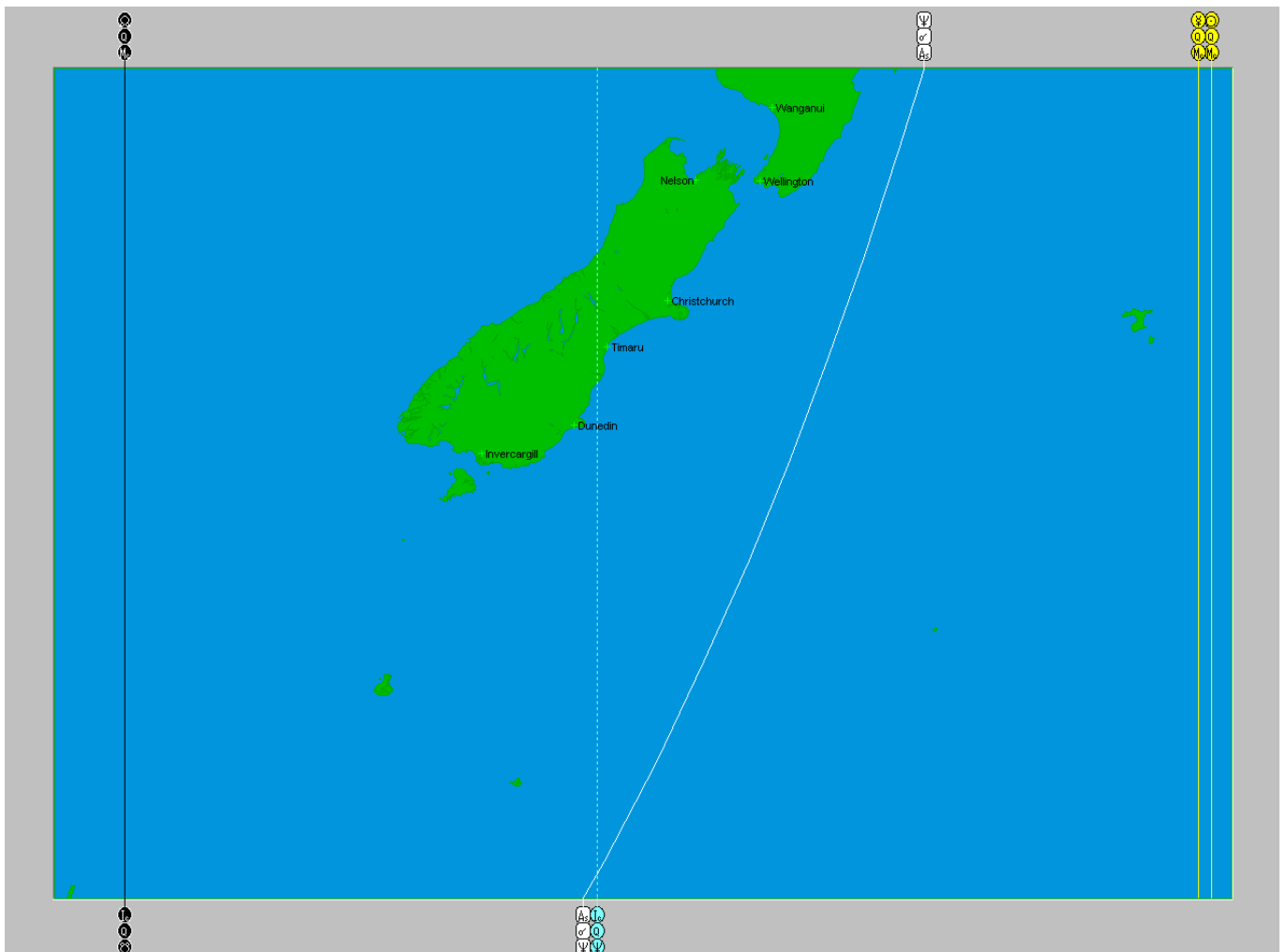
Location	Date	Phenomena
Uluru	Mar 2010	Lake Eyre filled – previous time was in 1990
Uluru	Aug 2010	Lake Eyre filled again! Saturn's loop over this region
Melbourne	14 Nov 2010	wild storms, east coast cool wet spring/summer
Australian Alps	20 Dec 2010	summer snow dumps
Theodore	27 Dec 2010	flooded and the town evacuated
Toowoomba	10 Jan 2011	'inland tsunami' – a sudden deluge of water at 1000 m
Grantham	10 Jan 2011	hit by wall of water

There was more to these rain events than Saturn alone but the geographical correlations to Saturn's projected longitudinal movements was very interesting. Saturn was close to the

equator along with Jupiter and Uranus, both of which were in Pisces on the opposite side of the Earth and thereby directly below Australia. I will pick up the equatorial theme later in the article.

Now, let me consider the first Christchurch earthquake on 4th September 2010, 4:35 NZT. For my work, I classify earthquakes as extreme weather events mainly due to the fact that the tectonic plates are floating on magma which is a molten fluid - WATER in the terms of the four Aristotelian elements EARTH, WATER, AIR and FIRE.

Saturn was close to the equator and about to cross over into the southern hemisphere on the 9th of September 2010. Jupiter and Uranus were on the other side of the equator preparing to cross over into the north. Slow moving Neptune, which was in the mid-Pacific for Cyclone Tracey, had by this time crossed the Pacific and begun transiting South America. Its quintile 72° aspect (light blue vertical dotted line on centre of the map below) was transiting eastward UNDER New Zealand just short of Timaru. An inferior conjunction between Sun and Mercury just east of NZ had taken place just over 4 hours previously and would have set the clock ticking towards the earthquake (2 vertical lines on right of the map). The white curved line is the locations on Earth where you would see Neptune rising. The line is curved as are all light rays when they cross the eastern curved horizon - think of a sunrise which is seen at different times at different latitudes. I note where the rising Neptune light crosses the blue dotted line below New Zealand, where the rising light of the planet intersects with its harmonic tone, to get a bearing on the map where an extreme weather event might take place. In that scenario alone, I would have thought that the earthquake would have taken place 10° farther south of New Zealand on the nearest major fault line.



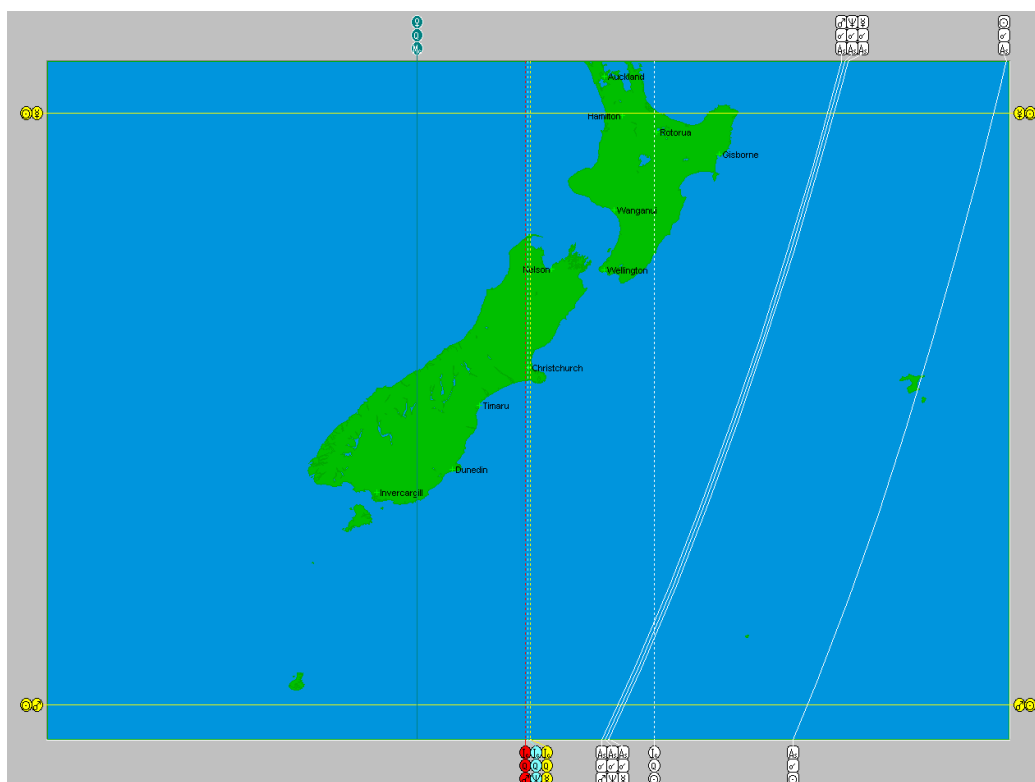
In trying to fathom these kinds of events, it can be helpful to look at the previous eclipse. The eclipse season comes around every six months and they can give fore warnings or at least indicate where an extreme event could occur. Eclipses seem to place a force field patterning across the Earth for a period of six months (until the next eclipse). However, I could not get any clear insights from the previous eclipse that took place on 12th July. The time of this earthquake was on the day that the Moon crossed the Sun's annual path (the ecliptic where eclipses take place). The crossing of the Sun's path by the Moon or planets is called a node and the lunar nodes are fortnightly events - so I didn't pay too much attention to that alignment.

I did pay attention to the 'supermoon' on the 7th September. The term 'supermoon' was coined in 1979 by Richard Nolle and denotes when a Full or New Moon occurs simultaneously with its closest approach to the Earth (perigee). At these times, you get very high tides and some 12.5 hours later, very low ones – a huge ranging in the world's fluid dynamics. There is a high incidence of earthquakes and extreme weather when the 29.5 day lunar phase cycle comes into synch with the 27.5 day moon cycle of drawing closer to the Earth (perigee) and moving farther away (apogee). New Zealand's own Ken Ring has had much to say about lunar rhythms and weather. In my Astro-Calendars, I had given an alert for the 7-10th of that month. It is fairly easy to forecast periods for extreme weather events but placing them geographically is not. I have to look at past weather records and plot on a map planetary movements to get clues.

In this first Christchurch earthquake, even though I could relate to the timing through the Sun/Mercury conjunction, the 'supermoon' build up and the series of slow moving planets on the equator, I have not formed a picture as to why it happened in that particular location.

The second earthquake on 22nd February 2011 at 12:50 (NZT) was a different matter.

The planets set the scene the day before on the 21st. It was a big day with Mercury (yellow vertical line) overtaking (conjunct) Mars (red) at 10:42 and then Neptune (blue) at 13:06 and Mars also overtook Neptune soon after at 16:17. You can see the three vertical lines next to each other in the centre of the map below. This map's projection time is for 21st February @ 14:00 NZT.



I mentioned 'supermoon' before. I would coin this planetary triple conjunction 'superplanet'! Instead of one string being plucked, a three tone chord is played and the weather responds in 'accordance'.

The three conjunctions happened in the space of six hours and when I mapped the planets onto the Earth, I found the planetary longitude lines for the third interval (three vertical lines close together on page centre) of the conjuncting planets were directly under Christchurch. 'Under' having an important connotation in this case as it implies that they were on the opposite side of the Earth from Christchurch and working through the Earth. Being on the other side of the Earth is denoted on the map by a dotted line rather than a solid line. I remind you that in researching Cyclone Tracey, I mentioned that these quintiles, or musical 3rd intervals, keep cropping up at extreme weather events. Cyclone Tracey was also a 'superplanet' event if you count the lunar nodes as planets which they often are in this kind of work. You then have 12 planets. I picture a 12 string guitar being played with the aspecting/string-plucking of these planets sounding the formative force harmonies of the spheres. In this case three strings were being plucked, a chord was being played rather than a single note.

Mars, Neptune and Mercury were also rising at the time as represented by the three curving lines to the east of New Zealand.

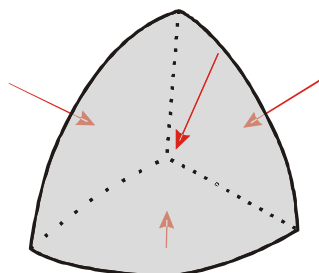
There are also two horizontal lines that, for me, set the upper and lower latitude limits in which a severe weather event can take place. The top line is the latitude that an observer facing eastward would see: Mercury and the Sun rising at the same time even though the planets could be at different latitudes on the horizon. The bottom line is the latitude which Mars and the Sun can be seen simultaneously rising. Mercury and Mars were both prominent in the ensuing drama. The Ancient Egyptians experienced the co-rising of the great star Sirius and the Sun to be a very powerful event.

The horizontal planetary co-rising lines along with the three vertical planetary conjunction lines start to fix a location. Knowledge of the whereabouts of major fault lines, where the tectonic plates meet, then become an important consideration.

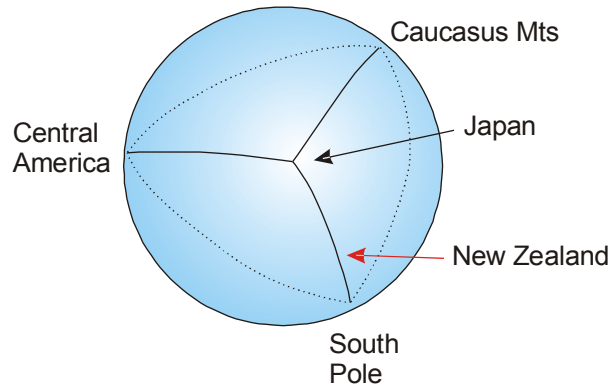
There was no 'supermoon' that month but the Moon was at its closest for the month the day before and had just crossed the equator. Equatorial crossings also 'stir things up' as I have found in my weather investigations. Remember too that Jupiter, Saturn and Uranus were close to the equator.

Following on from the earthquakes in New Zealand, the world then experienced the Japanese earthquake and tsunami on 11th March at 15:46 AEST.

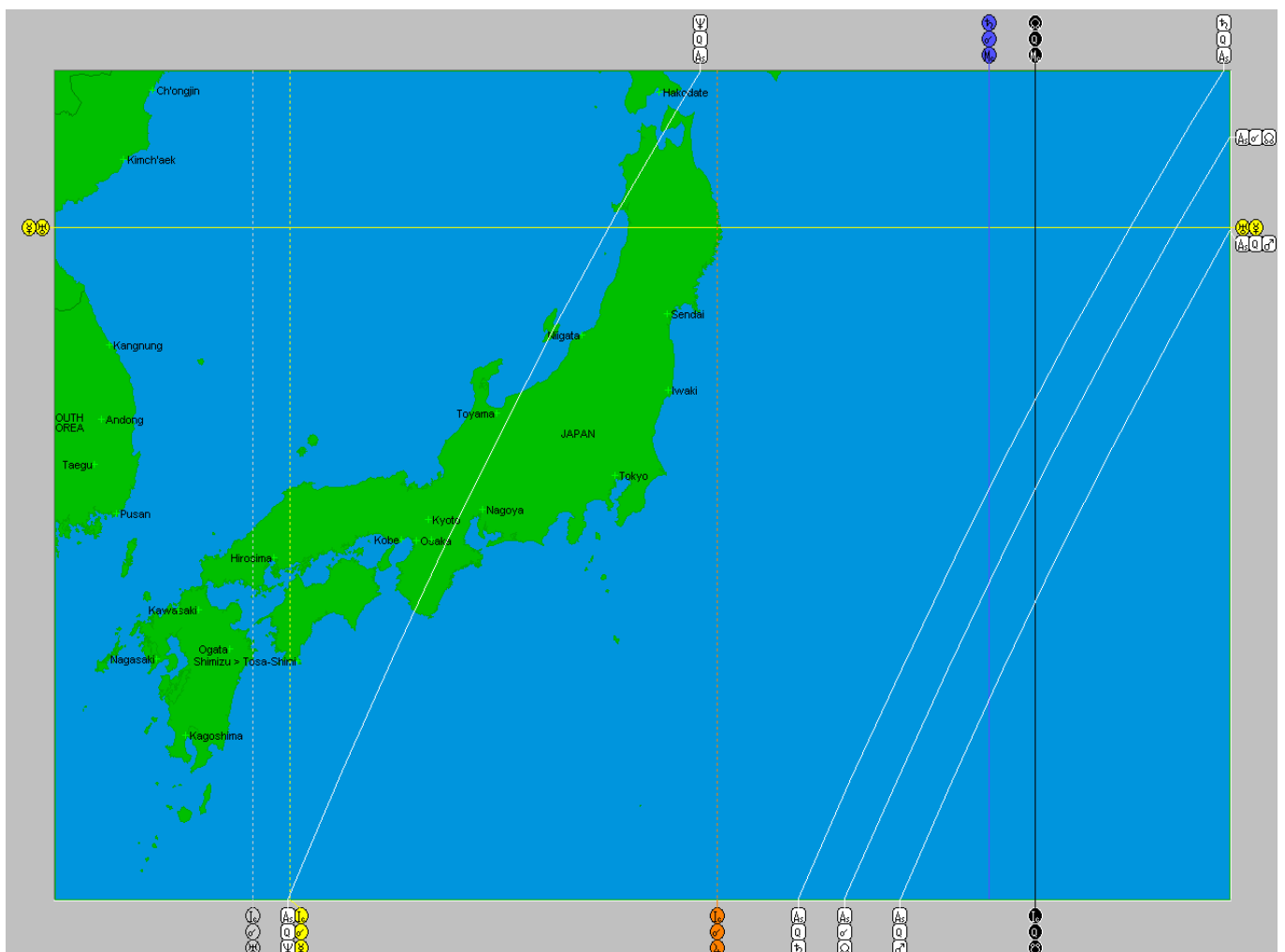
Rudolf Steiner gives a picture that the Earth globe came together from four directions in space – imagine four plastic masses coming together to form a rounded off tetrahedron (tetra=four; hedron=faces).



Most of the major fault lines are along these edges and when you plot them out on a globe, it becomes easy to see this tetrahedron. Japan is at the top of the tetrahedron where three fault lines meet. On one of the edges leading down from Japan, south eastward to Antarctica, lies New Zealand. This particular edge seemed to be very active during that period and there was other volcanic and quake activity then too. Mind you, there are earthquakes nearly every day.

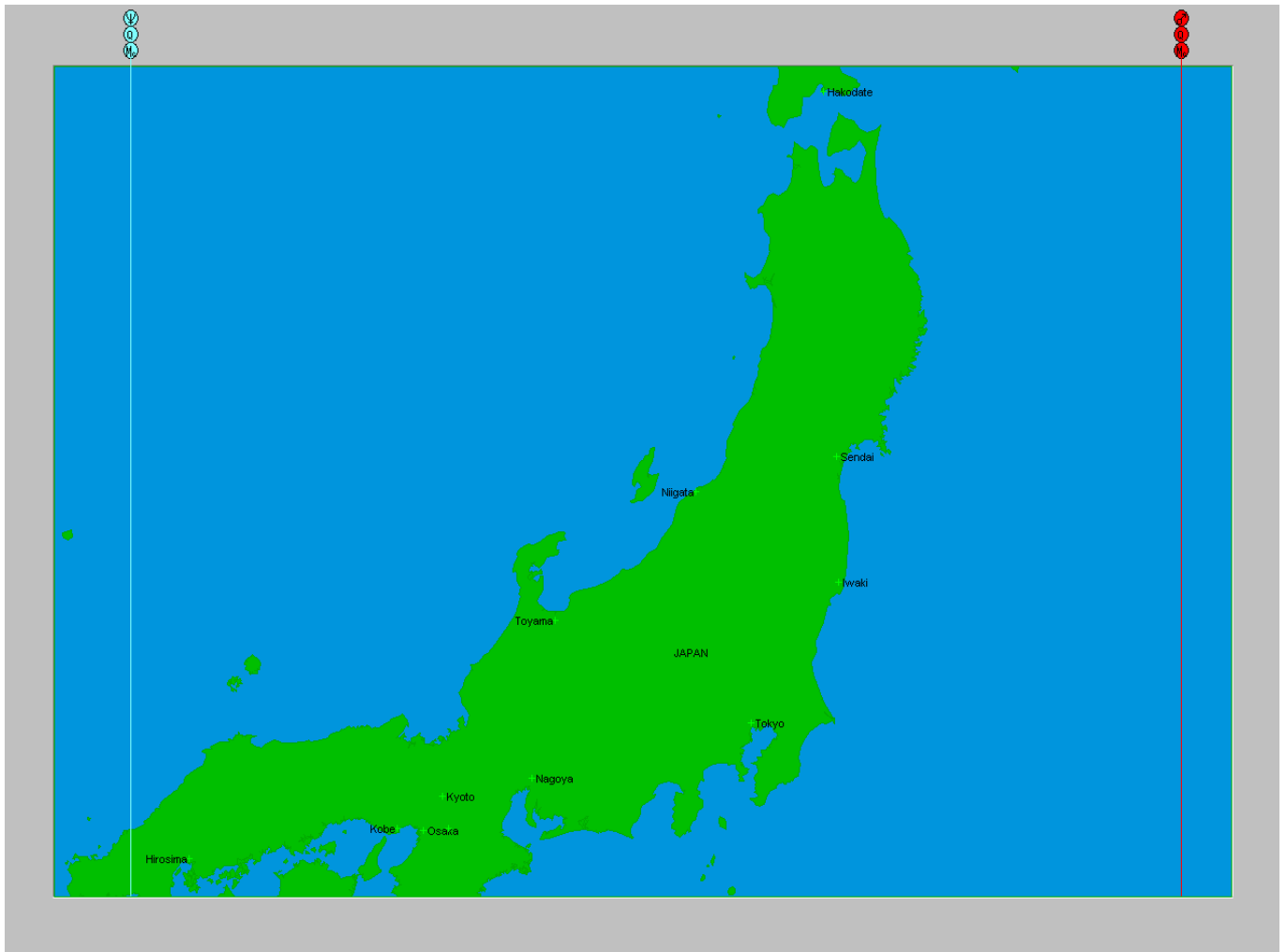


An investigation of La Nina patterns shows that there was considerable activity of planets crossing the equator and with that, comes weather volatility. Uranus was practically sitting on the equator and crossing back and forth across it with its direct (eastward) and retrograde (westward) movements. Jupiter crossed on 4th February – a second big slow mover. Mercury crossed the equator the day before the quake, having hours before just overtaken Uranus beneath the Earth under Hiroshima. There were three planets on or near the equator. These three planets, Mercury (yellow), Uranus (grey) and Jupiter (orange) were directly under Japan with Jupiter right on the longitude line of the earthquake. Maybe you can begin to see the buildup for this earthquake on the map below.



The horizontal line on the map was my means of trying to establish a latitude bearing. This line represents the places on Earth where you can see Mercury and Uranus rising simultaneously. Mercury had crossed the equator on 10th March at 11:34 Japanese Local Time and so any of its aspect phenomena were important.

To realise the final trigger, the timing on the day, I look to the actual sky map and not the map projection (see notes at the end). Mars was sounding out his third interval. You can note the red Mars longitude line approaching Sendai on the map below. A very similar occurrence happened with the 'inland tsunami' that devastated Grantham in Queensland in January 2011.



What for me was also interesting in light of the consequent damage to the nuclear reactors was that when I checked the planet projections at the prior solar eclipse in January, Mercury's longitude was the same as Hiroshima's. Neptune's 3rd interval line is between Nagasaki and Hiroshima in the map above left.

You can also notice on the projection map that Saturn (dark blue line) was east of Japan but pushing westwards with its retrograde movement. Saturn had also been playing a large part in the Australian east coast rains. Japan and eastern Australia both come under Virgo longitudes.

An important fact to realise about Virgo is that it is the zodiacal constellation that crosses the equator. Five constellations are over the northern hemisphere and five are over the southern. Pisces, which is opposite Virgo is the zodiacal constellation that is also over the equator. When the Sun crosses the equator from north to south, it always does so at 5° into Virgo. The Sun's northward crossing point is when it is 5° into Pisces. Each constellation in the sidereal zodiac projection that I am using covers 30° along the equator. The Moon and planets also cross the equator within 7° of where the Sun does. It is an empirical fact that equatorial crossings are associated with turbulent weather and, when there are simultaneous crossings, the weather can be extreme. It follows then that countries that lie under longitudes in the proximity of 5° of Virgo or Pisces are more prone to extreme weather from equatorial crossings. Looking at cyclone phenomena 'proximity' would seem to be 20° either side which is also the angular distance either side of the Sun that you cannot look at because of its glare. Every year, the Sun crosses the equator (at the equinox) as it heads northwards in March. Mercury and Venus cross around that time too as they are the planets closest to the Sun. The most common cyclone birthing times for the southern hemisphere regions around the Timor, Arafura and Coral Seas are around the March Equinox when the ocean temperatures are warm enough and the Sun, Moon, Mercury and Venus are crossing the equator. Refer to the first map in the article to see the countries in Virgo and Pisces longitudes.

For the onset of northern hemisphere tornadoes related to equatorial crossings, I look for Sun, Moon or planets in the West Atlantic region. This area falls under the latter part of Aquarius and into Pisces longitudes.

Virgo and Pisces can also work in tandem as evidenced by the 2010/2011 Queensland flooding. Saturn was in Virgo when crossing the equator. Jupiter and Uranus too were crossing the equator but were in Pisces on the opposite side of the Earth and under Queensland longitudes, working through the Earth. I am reminded of the work of the seasonal archangels - in one season, they are working from above the Earth and then, at the opposite season, through the Earth, albeit in a different way.

How does this all relate to the spirit, one wonders? Well it could be seen in the mind's eye that the deeds of the planetary beings generate the harmonics, the Celestial Music. Each of the planet longitude lines in my mapping is a circle around the Earth, creating a plane that represents the planetary beings' sphere of sound ether influence. The curving lines of rising light from the planetary beings weaving across the face of the Earth is the formative light ether creating.

In these times, it could be said that we are recapitulating the Egyptian/Chaldean epoch. Observational astronomy was an important aspect in experiencing the deeds of the gods in Egyptian times. The Greeks took this up and through their abstracting tendencies, astronomy started to become astrology for many spiritual questers. Over centuries, the gods became veiled behind the abstraction and we have inherited many astrological terms without any appreciation of their sensory meaning, let alone their relationship to the deeds of gods. We tend to refer to a chart and not directly experience the sky working on our soul life.

Part of this work is investigating astrological terms and bringing them back to phenomenological experiences, to relate them to observational astronomy and maybe even consciously participate in the gods' weather workings.

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Note 1:

I appreciate that there can be a challenge grasping the difference between the geodetic projection map (sky projected onto the Earth) and the sky map I referred to which is our ordinary understanding of a sky map. I offer pictures that may help:

A ballerina crosses a stage pirouetting.

Whilst rotating on her axis she views the whole theatre.

Whilst rotating and crossing the stage her frame of reference is the audience.

Gaia rotates on her axis and transits the World Stage.

Whilst rotating and 'seeing' through eye points of human consciousness every day, she sees the 360 degrees of the World Theatre.

This is our whole Earth **collective** perception and might be Gaia's too.

This would be a geodetic projection.

Every 24 hours, the whole Zodiac and the Planetary Beings pass overhead.

This is our **individual** direct sense perception of the solar system.

This is represented in the regular sky map.

Gaia, and we, transit the Zodiac Stage - besides rotating on an axis.

Where does the stage begin? Where does Gaia see her position on the stage?

Where are the other dancers in relationship to her?

I think that the Geodetic Projection perspective seeks Gaia's stage orientation.

Note 2:

Definition of a "Supermoon" - a new or full moon which occurs with the Moon at or near (within 90% of) its closest approach to Earth in a given orbit. Earth, Moon and Sun are all in a line (technically termed a syzygy), with Moon in its nearest approach to Earth (known as perigee). A Supermoon then is a perigee-syzygy and can occur from a few times to a 6 times in a given year.

Note 3:

Definition of a "Superplanets" – When viewed from a centric position such as the Earth, 2 or more planets are in conjunctions or oppositions (syzygy) within a 24 hour period.

References:

The Inner Nature of Music and the Experience of Tone Ch 5, March 7th 1923, Stuttgart, Rudolf Steiner;

The Evolution of the Earth and Man and The Influence of the Stars Ch 12, GA 354 September 18th 1924, Dornach, Rudolf Steiner.

Maps:

Brian Keats;

'Solarmaps' from *Esoteric Technologies*.