

2010: ECLIPSE ACROSS THE SOUTH PACIFIC

The paths of solar eclipses know no boundary, no state, no province, no country or continent. With two-thirds of the surface of the Earth covered in water, their paths trace repeatedly across water and land as they wind their slender threads to and fro. On 2010 July 11, the path of totality does just that as it passes over the South Pacific, and any land based locations are exceedingly limited. Totality actually begins at sunrise some 3500 km east of Brisbane, Australia, nearly 2000 km northeast of Auckland, New Zealand, and 1100 km southeast of Fiji. So basically, well out into the Pacific Ocean.

COOK ISLANDS, TAHITI & FRENCH POLYNESIA

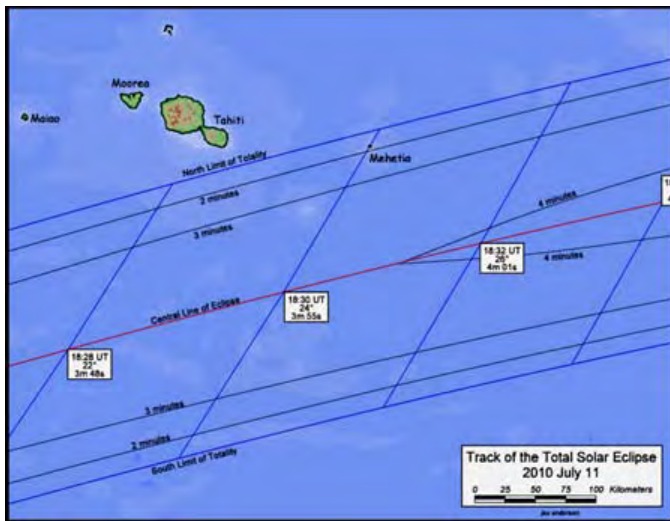
From **Mangaia** in the Cook Islands, the eclipse begins at sunrise, and a little more than an hour later totality begins with the Sun some 13 degrees above the horizon. Mangaia is the 2nd largest of the Cook Islands, but is still less than 10 km across. It lies about 12 km south of the centerline, but you sacrifice less than 1 second of totality, and here it will last for 3m 19s.



Courtesy Xavier Jubier & Google Maps



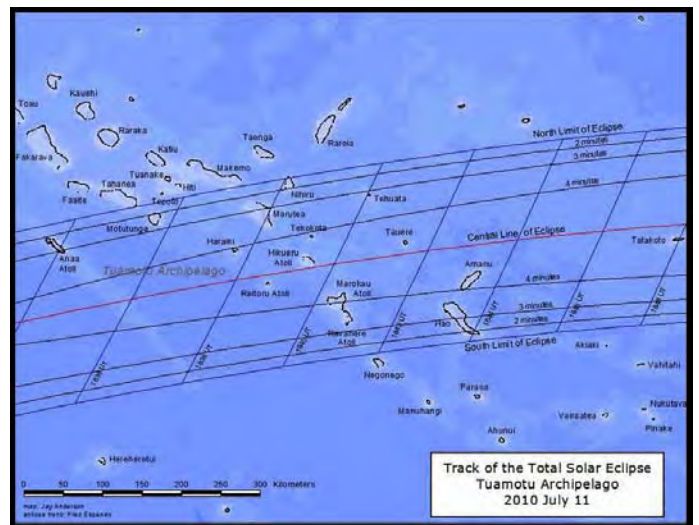
Courtesy Wikipedia



Map courtesy Jay Anderson

the locations listed below. Small boats will take individuals from Papeete, and take them to other locations along or near the centerline. Some will observe totality from shipboard, and others will go ashore on small islands and atolls within the eclipse path.

Moorea or **Tahiti**, in French Polynesia do not actually experience totality, but they receive a very deep partial eclipse of 98.5% to 99.5% from the furthest point to the closest point to the centerline on these two primary islands respectively. Trips scheduled thus far include



Map courtesy Jay Anderson

- **Anaa**, French Polynesia – This atoll is nearly 30 km long, so totality on the north end will last for 2m 06s, and on the south end will last for 3m and 06s
- **Tatakoto**, French Polynesia, lies over 1,180 km to the east of Tahiti, and is about 16 km south of the centerline, but in Tumukuru, the eclipse will last 4m 36s, only 3 seconds off the nearest centerline value. This island is only about 14 km long on the east/west axis, paralleling the centerline, so little (0.4s) can be gained by moving to the east side of the island.

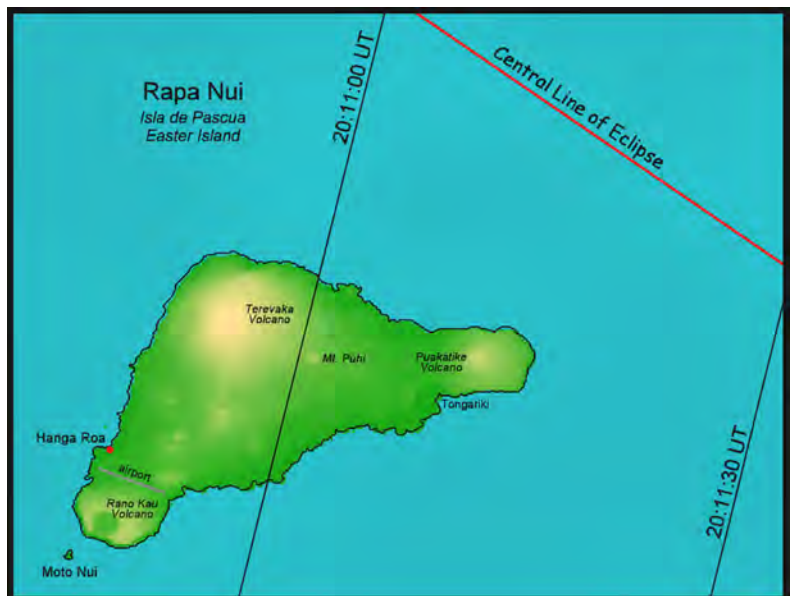
RAPA NUI / ISLA DE PASCUA / EASTER ISLAND

The Moai sit waiting on Rapa Nui for something special, and the total solar eclipse easily qualifies. Rapa Nui is said to be the most remote inhabited island in the world, but regardless of this fact, likely this will be where many will congregate to observe this unique celestial event. Rapa Nui, Isla de Pascua, Easter Island, or by any other name, is a 31 kilometer wide volcanic protuberance in an expansive ocean, and is an icon of its extreme location.

Rapa Nui is an island that rises 2000 meters from the sea floor and is made up of three main volcanoes, one on each corner of the triangular island. To the northwest, Terevaka comprises much of the island, and rises 507 m above the sea. Puakatike to the east climbs to 370m, and the Rano Kau crater to the southwest is the lowest at over 300 m at the rim. The single strip airport lies just north of Rano Kau, and the town of Hanga Roa lies north of the airport.

Well to the northwest of Rapa Nui is the point of greatest duration for totality of 5m 20s, and not a speck of land to be found. Rapa Nui however is found well within the path of totality, even though it is about 15 km southwest of the centerline. The northern faces of the island allow for as much as 4m 47s of totality, and even on Rano Kau, the point furthest from the centerline, still enjoys as much as 4m 38s of totality.

Moai, the statues that Easter Island is famous for, can be found all over the island; many of them dot the shorelines. The first Moai that were restored more than 50 years ago are located at Anakena Beach, a sand beach that meets the ocean along the northeast shore, and which will likely be a great location for observers. The island, though small, is still large enough for several groups to congregate for the celestial view. Accommodations however are quite limited due to the remoteness of this island. There may, however, be temporary eclipse camps set up for the influx of additional eclipse chasers, but acquiring enough airplanes to get everyone there for the eclipse is another logistical problem. For those that do manage to get to Isla de Pascua, the Moai across the island will make great photo ops in many locations.



Map courtesy Jay Anderson

As far as weather conditions, there is only a 48% chance of observable conditions, but absolutely no chance of perfectly clear skies, which is rare anywhere across the South Pacific.

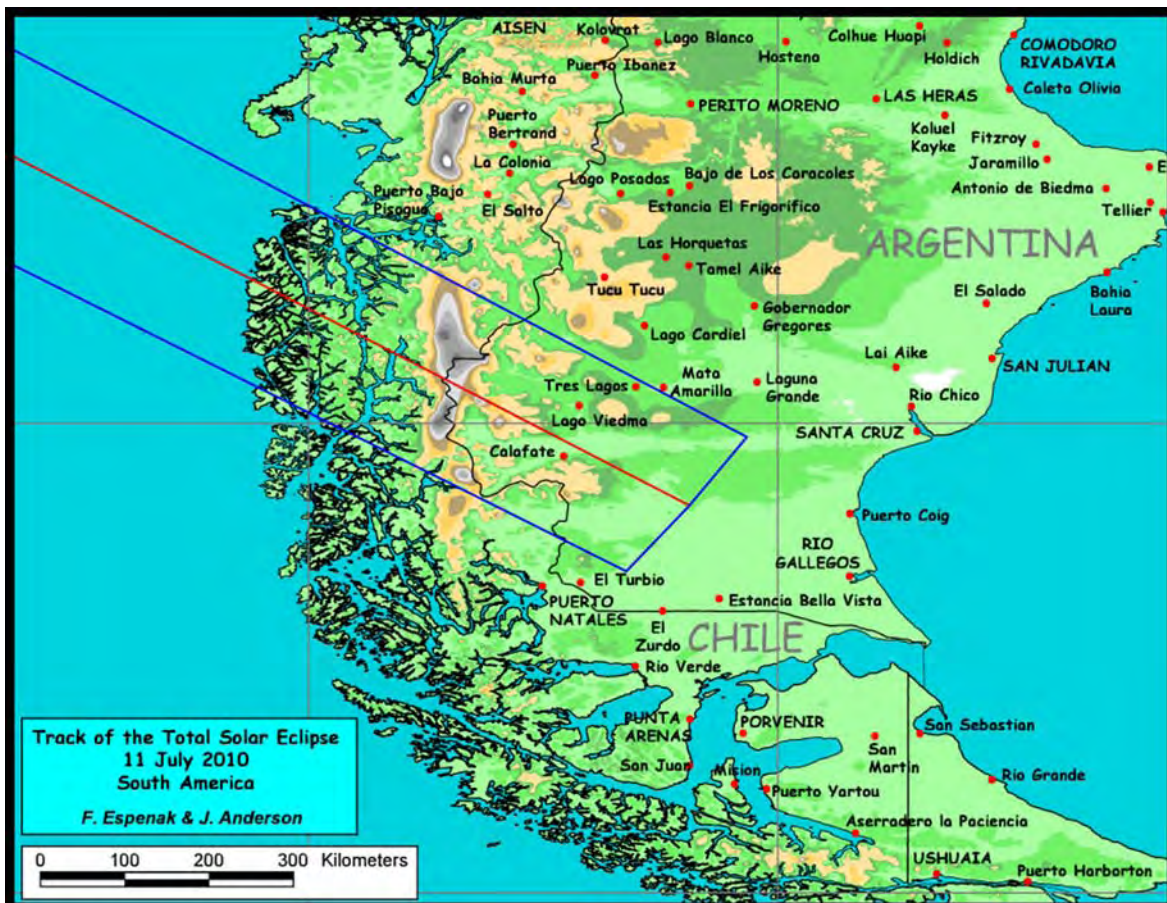
CRUISE SHIPS

Since 1970 when cruise ships began eclipse chasing, they have had a unique advantage in being able to relocate its observers from a cloudy location to one with less or no cloudiness, at least within a reasonable distance given the time frames involved. Eclipses wait for no man, or ship. With today's technological advances, cruise ships often have superior weather stations onboard, and finding a good observing location for the eclipse is easier than ever. Sometimes the only way to get to the period of longest duration is by ship. This is the case for the 2009 and the 2010 total solar eclipses.

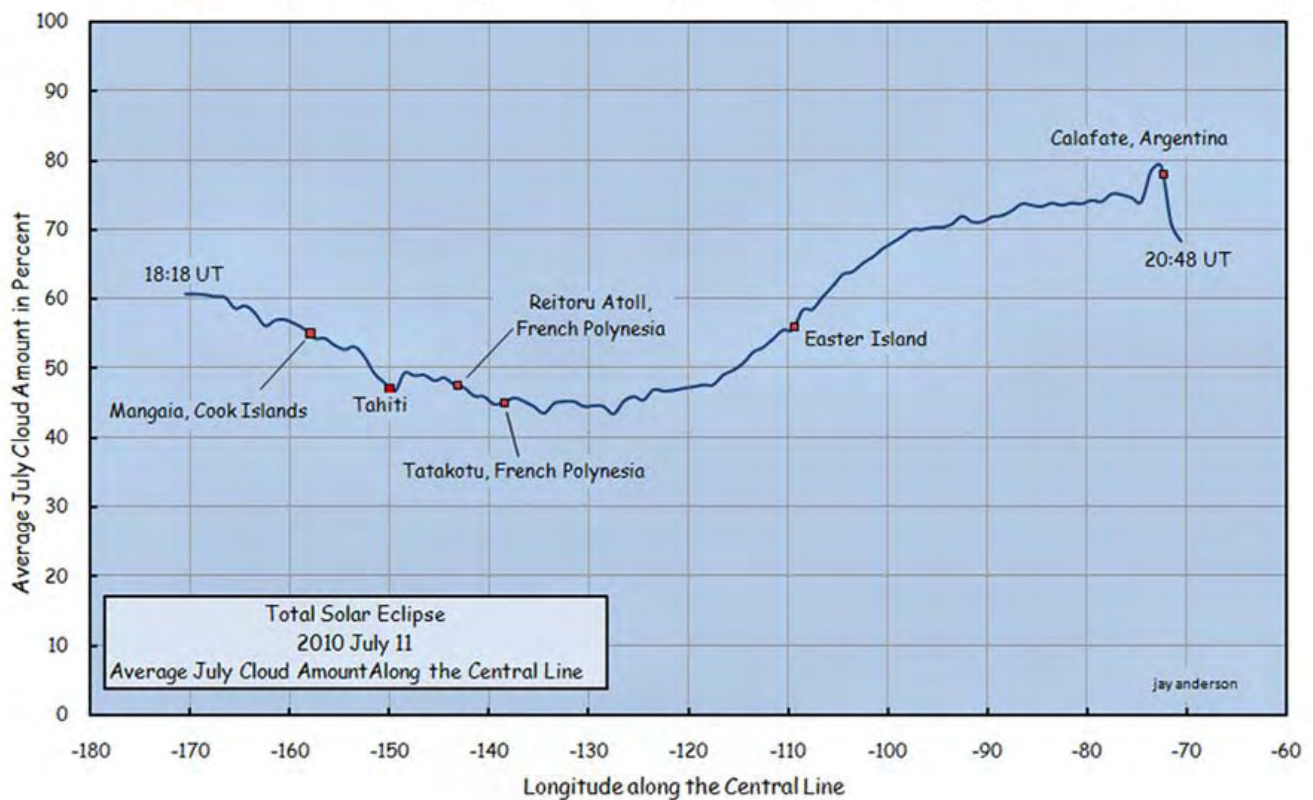
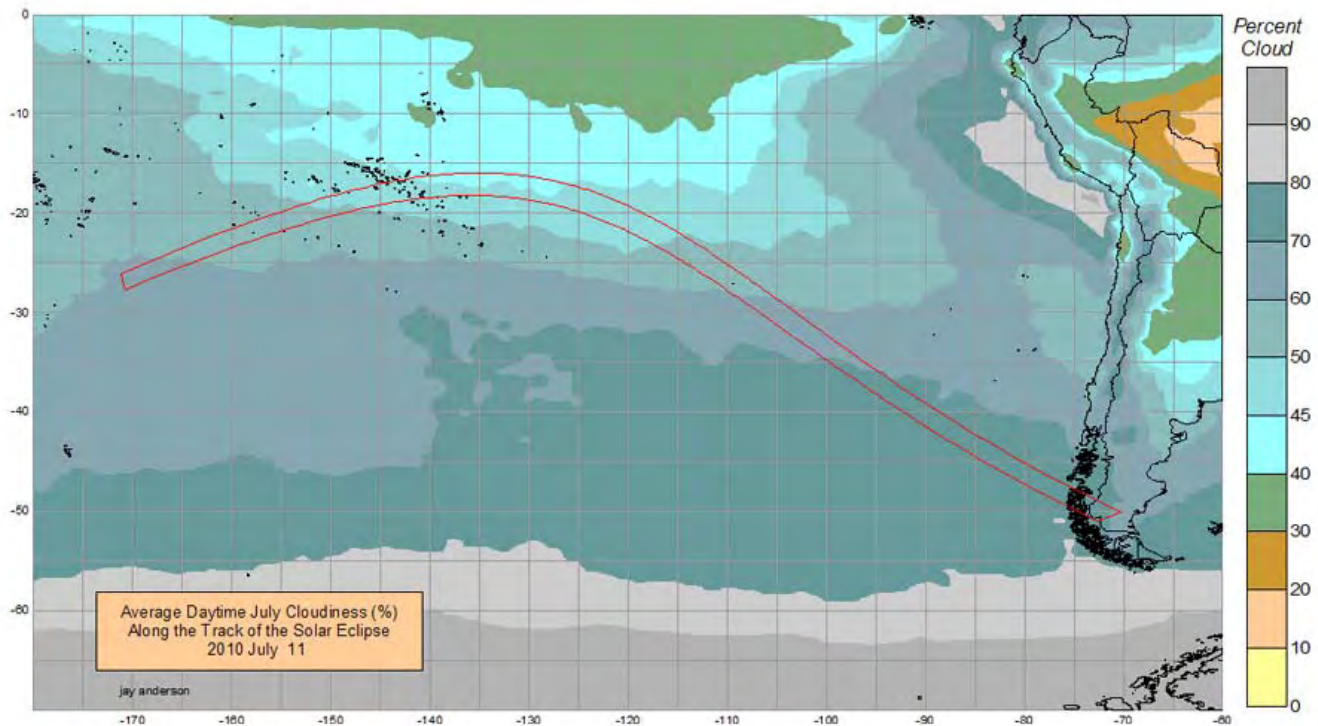
The only drawback is that photography is more difficult unless you have a SteadyCam type of mounting to counter the ships rocking. So if you do eclipse photography, you need to stick with the shorter telephoto lenses, as well as shorter duration exposures. Some just sit back and enjoy the show. For 2010, at the location of greatest eclipse, 5m 20s will be visible. Maximum eclipse occurs in a region of the Pacific that has nearly the best weather conditions along the entire eclipse path, and far from any land. I have not yet heard of any cruises heading to this location, but there are cruise ships that will be visiting Tahiti and French Polynesia.

PERITO MORENO GLACIER [NEAR EL CALAFATE, ARGENTINA, PATAGONIA] – 2 M 46 S

Totality could be awesome overlooking the Perito Moreno Glacier, along the northwest corner of Lago Argentino near El Calafate, Argentina. The Sun would however be only 1.9 to 1.6 degrees above the horizon during totality, so hopefully it will be above the mountains, or the glacier itself. The bad news, however, is July in the southern hemisphere is like January in the northern hemisphere, and clouds and bad weather is more prevalent, after all, you are at 50 degrees south latitude, and it is definitely not the tourist season. Climbing may be necessary for a view of the Sun over the mountain peaks.



Map courtesy Fred Espenak and Jay Anderson



Although Jay Anderson includes the upper map shown here in his article on the eclipse weather that immediately follows, I like to match it up with his diagram of Average Cloud Cover, since both cover the Earth in longitude, which gives a good comparison of the conditions. As the eclipse path arcs northward toward the equator, lower probabilities of cloud cover exists as the lower chart indicates, and when the path is further south, the cloud cover increases.

Map & Chart Courtesy Jay Anderson

Total Solar Eclipse – Weather Overview

2010 July 11

Jay Anderson

The 2010 eclipse comes at the depths of the southern hemisphere winter, ordinarily a time of frequent storms and alternating high and low-pressure systems that bring a lot of changeable weather, winds, and cloudiness. Fortunately, latitude comes to the rescue for the first half of the shadow track, as it travels in and north of the belt of high-pressure anticyclones that girdle the Earth at about 30°N (Figure 1). This high-pressure belt is a region where the air descends from higher levels in the atmosphere, warming and drying by adiabatic compression. It is a zone of mostly sunny skies and pleasant temperatures, akin to the Caribbean in the northern hemisphere winter, but it is not without its temperamental weather. Cold fronts from storms in the “Roaring Forties” — latitudes between 40 and 60°S — are able to move into anticyclonic barriers, bringing showery weather and cloudy skies to the eclipse path when they do. Beyond Rapa Nui (Easter Island), the eclipse track dips into the Roaring Forties and cloudiness — at least over the eastern Pacific and the coast of Chile — becomes much heavier.

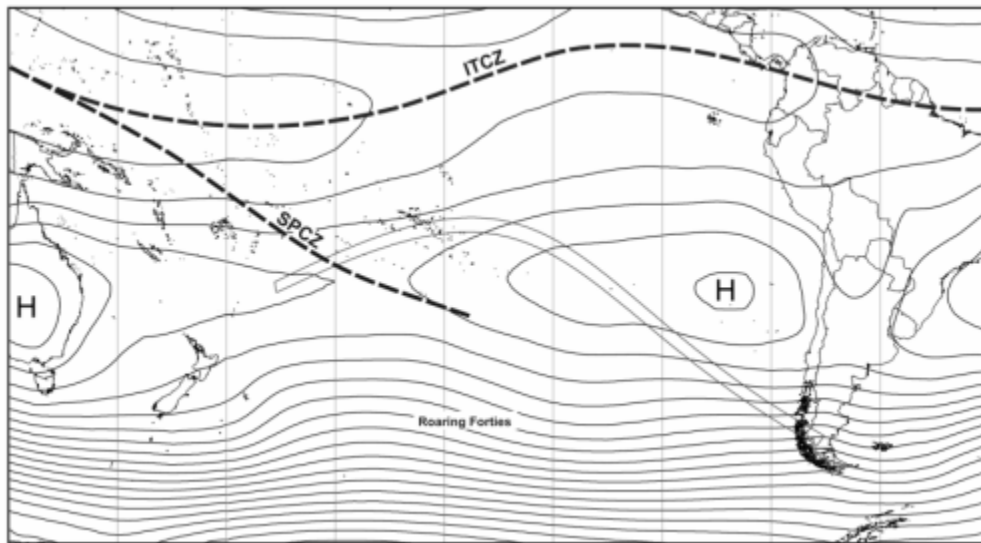


Figure 1 : Average July pressure patterns in the south Pacific Click on the graphic for a larger version.

In addition to passing cold fronts and the impact of the Roaring Forties, there is a semi-permanent feature of southern meteorology known as the South Pacific Convergence Zone (SPCZ). The SPCZ is a band of low-level wind convergence lying over the warmest waters of the southwest Pacific and so, like the Intertropical Convergence Zone (ITCZ) along the equator, is a region of frequent showers and thundershowers along with the associated cloudiness. In July, alas, the SPCZ lies at the northern limit of its annual range, stretching from the Solomon Islands near New Guinea, across Samoa and the Cook Islands. In recent years, perhaps in response to global climate changes, the SPCZ has tended to move north and east, to a position that more directly affects the eclipse track. To avoid the influences of the low-latitude storms and the thunderstorms of the SPCZ, we must head to the north and east – to the extremities of French Polynesia or beyond (Figure 2).

In spite of the weather factors that promote cloudiness along the eastern and western extremities of the eclipse track, the western Pacific is actually in the midst of its seasonal dry spell during July. Closer to the South American coast, just the opposite is true, though at Easter Island, the difference in precipitation between the wet and dry seasons is less pronounced than at Tahiti and the Cook Islands (Figure 3). At the end of the track in Argentina, where winter influences would be expected to bring the most difficult conditions, the Andes Mountains act as a very effective barrier to the Pacific storms and the weather is quite promising instead.

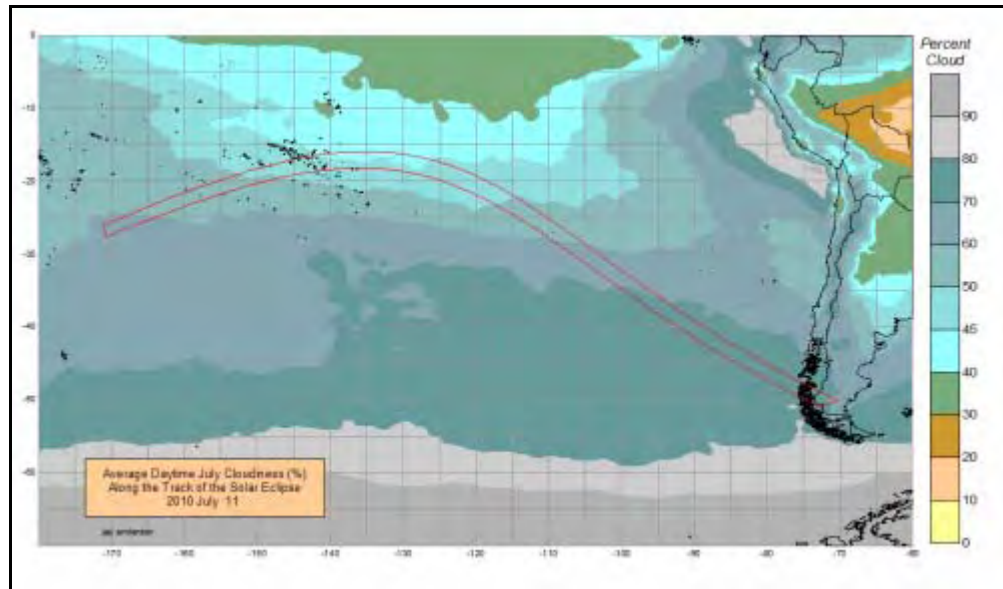


Figure 2 : Average July Cloud cover along the eclipse track. Click on the map for a larger version.

Islands in the Cook Islands and French Polynesia are either mountainous volcanic peaks (Tahiti, Mangaia, and also Easter Island) or low, flat atolls (Tuamotus). The latter are too small and low to affect the flow from the sea, and so the weather observations from those sites reflect the conditions on the water. On the other hand, the mountainous islands impose a considerable orographic modification on wind, cloud and precipitation – generally to increase cloud and rainfall and divert the winds. The humid tropical air is always ready to form clouds if lifted by any of several processes. Large islands are darker than the sea, and warm more readily in the sunlight. Warm air, being buoyant, rises upward, forming clouds at some small distance above the surface. On top of this, winds blowing onto the land are compelled to rise as they encounter the mountainous topography, adding to the impact of the solar heating, and usually cloaking the mountain ridges and peaks with a cap of cloud, especially in the afternoon hours.

The reverse process occurs at night in the case of solar heating, and on the lee side of the terrain in the case of orographic lifting. Winds blow downslope on crossing the highest point of the terrain, and so clouds dissipate and rain ends. The whole process is complicated by the complexities of the topography, but in general, the lee side of the mountains on Mangaia and Easter Island will have a slightly greater tendency to sunny weather. The degree of impact will depend on the height and lie of the terrain, and on both islands the cloud-producing processes will dominate those that dry out the air.

LOCAL WEATHER

COOK ISLANDS

Mangaia, the only Cook Island within the eclipse track, has a latitude that puts it securely within the influence of the SPCZ though the Convergence Zone has a mixed personality, sometimes quiet and barely evident, other times especially active and full of convection and rain. Cold fronts, migrating northward from lower latitudes, reinforce the SPCZ or attend the islands with their own independent weather. It's easy to be pessimistic about the weather prospects, but the climate statistics for Mangaia give reason for some optimism: July is the driest month at nearby Rarotonga (Figure 3), with an average of about 100 mm of rainfall and Mangaia follows the same pattern. Mangaia's cloudiness is similar to that of Rarotonga, with an average cloud cover of 64% calculated from the observed frequency of the various cloud categories. Rarotonga reports an average sunshine amount of 52% and it is probably only slightly less than this at Mangaia.

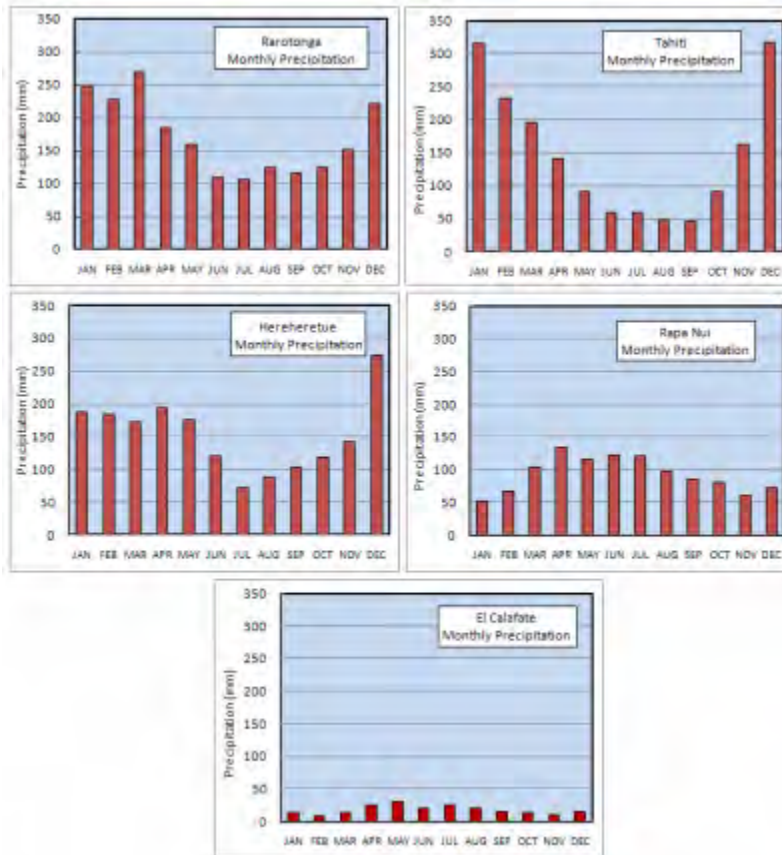


Figure 3 : Monthly rainfall charts for stations along the eclipse track. Click on graphic for larger version.

Mangaia Island is 9 km in diameter, rugged, with a modest 170-m peak in its interior. It is mostly tree-covered in its interior and so combines the cloud-producing features of low albedo and a rising topography, though it is modest in these forcings compared to Tahiti. On most days when the SPCZ is weak or distant and the skies are sunny, the afternoon convective clouds are small and confined to the interior. Clouds such as these will dissipate quickly in the cooling that accompanies an eclipse. When more organized weather visits, the small dimensions of the island and limited terrain are unlikely to have much influence, either to reinforce the rainfall on the

windward side or to dissipate the clouds to leeward. Whatever influence the island can muster will be confined to the lowest clouds levels. There is no prevailing wind at Mangaia, but the stronger weather systems tend to come with easterlies and southeasterlies.

On quiet days, rains on Mangaia tend to come in the afternoon after a sunny morning, and may be quite heavy for a brief time. Daylong rains are more unusual, but do occur from time to time. This diurnal pattern favors the eclipse, which occurs in the morning hours, before maximum heating and maximum cloudiness. Winds blowing against Mangaia (on the windy days – one-third of the wind observations are calm) may cause the formation of an arc of cloudiness offshore where the winds converge and are diverted to flow around the island. These arc clouds (much like the bow wave of a boat) will likely remain offshore during an eclipse.

Tahiti and French Polynesia

At Tahiti, July is the second-driest month (Figure 3) and at Hereheretue, in the Tuamotu Islands, July is the driest. While this pattern is similar to that at Rarotonga, the amount of rain in July is about half that in the more southeasterly Cook Islands. The drier weather is reflected in the cloud cover statistics, with average cloudiness dropping to between 44 and 53% across much of Polynesia, a figure 10 to 20% less than in the Cook Islands, in large part due to the reduced influence of the SPCZ. Sunshine statistics are also generous, though somewhat erratic, with very encouraging measurements of 65 to 70% of the maximum possible in most of the islands.

Periods of bad weather are often associated with the passage of cold fronts that arrive from the southwest, sometimes lingering for several days. The stronger fronts have a tendency to stall near the islands and the eclipse track. Even though Tahiti is in the midst of its dry season, a persistent frontal band can drop large amounts of rain for several days in a row. Should one occur on eclipse day, the only escape would be to sail out from under it, most likely by heading eastward down the track.

With only a limited number of places to stay on Mangaia and the atolls of French Polynesia, most southwest Pacific observers will choose to watch this eclipse from shipboard. From a climatological perspective, ships should place themselves as far eastward along the track as schedule permits. This puts the SPCZ well behind and increases the probability that temperate-zone cold fronts will be left behind (Figure 2). Cloud systems tend to become smaller and more disorganized in the more northerly latitudes, and thus easier to avoid when eclipse day arrives. Closer to Tahiti, the SPCZ cloudiness will have to be watched cautiously, though the island typically marks the easternmost extent of its influence.

In satellite imagery, high- and mid-level clouds associated with the SPCZ tend to move from west to east in the upper level flow. Low-level clouds usually move in the opposite direction, but are much more variable and cannot be counted on from one day to the next; frequently they just hang around without seeming to go anywhere. When strong highs pass to the south of the island, the pressure gradient is compressed and stronger than normal easterly trade winds – known as a *Mara'umu* – can bring winds of 50 km/h and 3-metre seas, sometimes lingering for days or even over several weeks. These enhanced trade winds bring heavy rains to the windward side of Tahiti, but such orographic effects will not be a factor along the eclipse track as there are no islands with a significant topography under the Moon's path in French Polynesia.

Frontal clouds will come up from the south or southwest, usually in the form of bands that are 100 or 200 km wide. On top of this complicated pattern is the tendency for clouds – especially low-level cloud - to form and dissipate over one- to three-hour periods, making prediction from satellite imagery very difficult. “Chasing” an opening in the clouds may be a frustrating experience and so positioning the ship where climatology is most favorable at the start will make eclipse-day planning a less hectic event. Positions to the northeast along the track will also bring longer eclipse duration. Cyclones should not be a problem, as the hurricane season runs from November to March.

When the SPCZ keeps to the south (its more usual position) and cold fronts are not in the area, westward-moving cloud clusters known as easterly waves may be the only weather feature to watch for. Easterly waves are more-or-less circular areas of convection with varying dimensions, up to 200 km or thereabouts. They may bring heavy overcast or scattered thundershowers, but are readily seen and predicted in satellite images.

A careful watch on the satellite images will show “zones” of descending air where both high and low-level clouds tend to disappear. These zones will not be very distinct, and they will not be completely free of cloud, but once identified, can be counted on for favorable circumstances for a half-day or longer. From the ship’s deck, such areas will have smaller convective clouds (primarily shallow cumulus), and thinner high-level cirrus.

A ship’s mobility will increase the chances of seeing the eclipse by 5% or perhaps a bit more, limited, in large part, because cloud patterns are not easily predicted. The biggest advantage to be given to a shipboard site is the ability to move east of the Tuamotu Islands to tap the best climatology along the track. For those determined to settle on land, the Tuamotus offer a few places with airports in which to settle, including Hao, Hikueru, Tatakoto, and Anaa. Other islands will have to be reached by boat, a prospect that greatly extends the time to travel to and fro (but where better to do it?).

Tropical Cyclones

In the southern Pacific, the tropical cyclone season runs from November to April. For regions along the eclipse track, the frequency is relatively low, with about nine storms per year on average across the whole basin east of Australia. While statistics are somewhat fuzzy, the Cook Islands near Rarotonga (including Mangaia) experience one tropical storm every seven years, while in Tahiti they are about half that rate. In el Niño years, cyclones tend to be widespread between 10 and 30° S latitude, from Australia to 130° W, which pretty much covers the whole track through the Cook Islands and Polynesia. In la Niña years, cyclones tend to be fewer in number, forming and traveling much closer to the Australian coast. In any event, the possibility of a tropical cyclone during July is virtually nil.

Easter Island

Easter Island (or Rapa Nui as the Polynesians call it) lies on the south side of the anticyclonic belt that circles the Earth at 30 degrees latitude, and as a consequence, is much more exposed to the influence of the westerlies and storms in the Roaring Forties. In July, Easter Island is in its winter wet season (Figure B) and sunshine is at a premium. Still, it’s an exotic destination, and the sunshine statistics show a percent of the maximum possible (50%) that is similar to that at

Rarotonga (and Mangaia) in the Cook Islands (Table 1). The prospect of stunning photographs of the eclipse over the Moai has tremendous appeal.

Easter Island has three large volcanoes and a number of smaller ones, and the cloud on the mountaintops is a persistent feature of the winter weather. The weather is extremely changeable when it is inclined to be cloudy, and there is no percentage in chasing from one site to the other at the last minute to find a sunny haven. There is a strong convective element to the cloud types, even when large weather systems reach the island, and because of this, clouds can form and dissipate within minutes. On sunny days, clouds will tend to form in the afternoon, but will dissipate as the eclipse approaches.

2010 July 10	Percent of possible sunshine	Percent Frequency of Cloud						July Precipitation (mm)	% obs with rain at eclipse time	% observations with visibility obstructions	Prevailing Wind (%)	Average High	Average Low
		Clear	Trace	Scattered	Broken	Overcast	Mean						
		Cook Islands											
Mangaia *		0.3	16.7	21.7	45.3	15.0	63	159			variable	25	19
Rarotonga	27	0.0	13.6	26.9	49.1	10.4	63	107	19.9	3	S - E (55)	25	20
Mauke		2.2	30.3	15.1	42.1	10.3	55	115			S - E (59)	26	21
French Polynesia													
Tahiti (Papeete)	68	0.3	36.3	25.1	35.0	3.3	47	61	4.6	0	E - NE (43)	29	21
Takarua	66	0.2	38.4	29.3	28.2	3.9	45	90			-	28	24
Rikitea	45	0.2	18.5	21.4	48.2	11.8	62	168			-	24	19
Hao *		0.4	19.3	37.8	41.2	1.3	53	76			ENE-ESE (56)	27	23
Hereheretue	68	0.0	24.6	28.7	40.8	5.9	54	72			E - N (56)	27	22
Chile													
Isla de Pascua	48	0.0	8.9	19.9	55.9	15.2	69	109	15.6	0.7	variable	21	16
Argentina													
Ej Calafate *		7.1	20.7	22.8	34.2	15.2	55	16			W - SW (42)	4	-3

* = station is under the umbral track

Table 1: Climate statistics for stations along the eclipse track. Click on the graphic to display a larger version.

Given the nature of the cloudiness described above, there are still a few tricks to help pick a successful eclipse site. Don't go uphill unless the day is spectacularly sunny (and it happens). Especially, don't locate on the upwind side of a volcanic hill. Coastal sites exposed to the wind may have a little less cloudiness if the wind is not too strong, as the cooler air from the sea will suppress the immediate formation of cloud as it reaches land. Sites in the lee of the larger volcanoes may be a little sunnier if the weather is not too thick, but usually the clouds will form on the slopes and blow downwind; the flanks of the larger peaks may be a safer site. There is no strong prevailing wind – they can come from any quarter according to the weather of the day. After a day or two on Easter Island, you'll notice that the skies offshore - away from the influence of the land - seem to be sunnier. It is sunnier out there, because the water is cooler than the land and the clouds don't build as strongly as over the warmer island.

The secret to capturing a little of the offshore sunshine is to pick a site along the coast where the breezes blow onshore. Given all of the complexities of the wind and weather, the south coast seems like the safest bet, perhaps at Tongariki in a south wind, where the Moai offer great visual appeal. With easterly or westerly winds, the village at Hanga Roa is promising, and southerlies or northerlies will carry cloud from the peaks of Terrevaka or Rana Kao just past the town. Northerlies at Tongariki will have a slight downslope flow, which tends to dry the air out a bit, but the volcano Pakaiki lies just to the east and flow from its peak will have to be watched

carefully. The beach at Anakena is promising under a northerly onshore flow, and may be one of the best sites for a large group because of the facilities available there.

Unless there is a large and active weather system over the island on eclipse day, there will certainly be mixtures of sunny and cloud that will make site selection very complex. If you are mobile, wait until the last moment so that you can assess the character of the cloud and wind before picking your site. Remember, there is only one road and travel does not proceed quickly on Rapa Nui.

South America

The Chilean Archipelago, while imbued with towering forested slopes that fall into dark mysterious water, is also exposed to the full force of the westerlies and nearly devoid of community, thus making for a poor or impossible eclipse site. Once across the Andes however, and into Argentina, the weather improves significantly and the eclipse comes to its sunset ending near the resort town of El Calafate. The Andes block the flow of the westerlies, stripping them of their moisture and clouds, and leaving a drier and sunnier airflow to descend onto the plains of southern Argentina. No sunshine data are available for Argentina, but cloud-cover statistics (Table 1) show an encouraging average cloudiness for July at El Calafate of 55%. While about 10% higher than Tahiti, the data are similar to values in the Cook Islands and parts of Polynesia.

The winter season brings cool temperatures, though nothing like the winters in the northern hemisphere. Average highs reach 6°C and average lows descend to a chilly (for the southern hemisphere) -5°.

Because the sun is close to setting during the eclipse, sight lines will have to be carefully arranged to avoid the distant mountains. That will be a tough challenge, as the eclipsed Sun is only 1° above the horizon, though the presence of several lakes aligned toward the west and northwest will help. The long view through the atmosphere will increase the probability that even a small amount of cloudiness will block the magic moment.

Summary

French Polynesia is the clear-cut choice for the best weather prospects, but land-based sites are scarce and most observers will opt for a shipboard solar romance. Mangaia and Easter Island are the largest islands in the track, with more-or-less the same chances of sunshine – about 50%. If your photography or stomach dictates solid ground under your feet, then one of these or the few reachable islands in the Tuamotus will have to do. Easter Island has by far the most developed infrastructure and the most convenient travel, but the small French Polynesian atolls offer the best weather, for the more adventurous. Easter Island, of course, has that aura of mystery that will more than compensate for the limited weather prospects.

Argentina is not a good choice if the eclipse alone is your goal. The very low altitude of the Sun, mountain-toothed horizon, and modest chances of sunshine suggest that more tropical destinations would be better.

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Now Booking; 2009 Total Solar Eclipse

This eclipse may be the biggest eclipse event of the century as it will be the longest totality of the century. The longest it can possibly last is 6m 38.9s in an area of ocean where little land exists. I reviewed all of the eclipse web sites from Issue 7 of TOTALITY!, and have found numerous changes that had been made, and even tour package ID's reassigned, and in some cases tours were cancelled. There are also several new sites that I have come across, and hope you will take the time to find the best tour that fits your needs. There is no way I can list every eclipse trip that exists, but contained here in the next 14 pages are 52 tour groups listing 119 separate tour packages that I have come across with a Google search.

The following groups are listed as they have posted their itineraries;

A Bridge to China

[Eclipse Guide > Dr. Douglas Duncan](#)

<http://www.abridgetochina.net/Home/A+Bridge+to+China+Home/default.aspx>

Total Solar Eclipse 2009 > 11 day tour

JUL 13 to JUL 23 > TOTALITY 5m 53s from in Jiaxing

\$3195.USD ex. Arrive Beijing, leave Shanghai

<http://casa.colorado.edu/~dduncan/eclipse/Ad4.pdf> &

<http://www.abridgetochina.net/Total+Solar+Eclipse+2009/Itinerary/default.aspx>

A Classic Tours Collection

<http://aclassictour.com>

[Eclipse Guides > Prof. Jay Pasachoff & Mark Sodd](#)

China Total Solar Eclipse 2009 > 19 day tour < NEW LISTING!

JUL 19 to AUG 06 > TOTALITY 5m 36s from in Hangzhou

\$3999.USD (with a minimum of 10 participants), arrive Seoul, leave Beijing

<http://aclassictour.com/solareclipse.tours.4.html>

Extensions available for; 4 Days in Shanghai & Suzhou

5 Days in Beijing,

7 Days in Beijing & Xi'an,

Adventure Bhutan

<http://www.duyul.com/>

Total Solar Eclipse Tour > 7 day tour

JUL 19 to JUL 25 > TOTALITY viewed from Punakha, Bhutan

\$1460.USD ex. Bangkok

Ancient World Tours (UK) < NEW LISTINGS!

<http://www.ancient.co.uk/home.aspx>

China Total Solar Eclipse Tour A > 9 or 12 Day Tour

[Eclipse Guide > Sheridan Williams](#)

JUL 19 to JUL 27 > TOTALITY near Wuhan

£1716.GBP, arrive Shanghai, depart Beijing, £2635.GBP ex London, Heathrow Airport

<http://www.ancient.co.uk/AWSY190709.aspx>

Extension available for; 4 Days to Xi'an & Beijing

China Highlights < NEW LISTINGS!

<http://www.chinahighlights.com/deals/solar-eclipse.htm/>

2009 Total Solar Eclipse in Astronomical Observatory > 3 day tour

JUL 21 to JUL 22 > TOTALITY of about 5m from Sheshan Observatory

\$299.USD ex Shanghai

<http://www.chinahighlights.com/tour/shanghaitour/sh-3a/>

2009 Total Solar Eclipse and Magnificent Qiantang Tide > 6 day tour

JUL 18 to JUL 23 > TOTALITY about 5m near Haining

\$654.USD ex Shanghai

<http://www.chinahighlights.com/tour/cht-105a/>

2009 Total Solar Eclipse with Amazing Cities > 15 day tour

JUL 9 to JUL 23 > TOTALITY about 5m near Haining

\$2301.USD , arrive Beijing, depart Shanghai

<http://www.chinahighlights.com/tour/cht-62b/>

2009 Total Solar Eclipse and Qiantang Tide Watching Tour > 11 day tour

JUL 13 to JUL 23 > TOTALITY nearly 6m near Hangzhou

\$1680.USD, arrive Beijing, depart Shanghai

<http://www.chinahighlights.com/tour/cht-1f/>

China Travel Solutions < NEW LISTINGS!

<http://www.chinatravelsolution.com/eclipse/>

2009 Solar Eclipse Tour in Sheshan (Shanghai) > 3 day tour

JUL 20 to JUL 22 > TOTALITY from Tianhuangping Reservoir Hangzhou

\$310.USD ex Shanghai

<http://www.chinatravelsolution.com/citybreak/itinerary.jsp?routeID=705>

2009 Solar Eclipse Tour in Anji (Hangzhou) > 5 day tour

JUL 20 to JUL 24 > TOTALITY of about 5m from Sheshan Observatory

\$435.USD ex Shanghai

<http://www.chinatravelsolution.com/citybreak/itinerary.jsp?routeID=706>

Best of 2009 China with Eclipse in Sheshan > 9 day tour

JUL 15 to JUL 23 > TOTALITY of about 5m from Sheshan Observatory

\$1140.USD, arrive Beijing, depart Shanghai

http://www.chinatravelsolution.com/tour/travelitinerary_707

2009 China Highlights with Eclipse in Anji > 9 day tour

JUL 15 to JUL 23 > TOTALITY from Tianhuangping Reservoir Hangzhou

\$1170.USD , arrive Beijing, depart Shanghai

http://www.chinatravelsolution.com/tour/travelitinerary_709

Dao of Well Being Tours

Qigong Total Solar Eclipse China 2009

<http://www.qigongchinatrip.com/index.htm>

<http://www.qigongchinatrip.com/solarEclipse2009Tour.htm>

e-mail request to rebecca@qigongchinatrip.com for more info

Eclipse of the Century

<http://www.eclipseofthecentury.com/>

Total Solar Eclipse 2009 > 11 day tour

Eclipse Guide > Dr. Pamela Gay

JUL 16 to JUL 24 > TOTALITY of 6m 21s about at 130E, 29.25N, S of Japan
aboard the cruise ship Costa Allegra
Starting at £1325.GBP + Insurance, ex Taipei

Eclipse City, Ltd. < NEW LISTINGS!

Itinerary 1A – E-Day Tour from Shanghai > 1 day tour

JUL 22 > TOTALITY of 5m 57s from Yangshan Island
€189.EURO ex Shanghai (no hotel included)

http://xjubier.free.fr/eclipse-city_tours/Total_Solar_Eclipse_2009_Tours.html?Program=1

Itinerary 1B – 2 Day Tour from Shanghai > 2 day tour

JUL 21 to JUL 22 > TOTALITY of 5m 57s from Yangshan Island
€399.EURO ex Shanghai

http://xjubier.free.fr/eclipse-city_tours/Total_Solar_Eclipse_2009_Tours.html?Program=1

Extensions available for; **10 days in Tibet > Itinerary 1E (JUL 11 to JUL 20) (pre tour)**
 11 days in Tibet > Itinerary 1F (JUL 22 to AUG 01) (post tour)

Itinerary 1C – 3 Day Tour from Shanghai > 3 day tour

JUL 21 to JUL 22 > TOTALITY of 5m 57s from Yangshan Island
€499.EURO ex Shanghai

http://xjubier.free.fr/eclipse-city_tours/Total_Solar_Eclipse_2009_Tours.html?Program=1

Extensions available for; **10 days in Tibet > Itinerary 1E (JUL 11 to JUL 20) (pre tour)**
 11 days in Tibet > Itinerary 1F (JUL 22 to AUG 01) (post tour)

Itinerary 2A – Iwo Jima > 3 Day Tour from Tokyo (currently wait-listed pending authorization)

JUL 21 to JUL 23 > TOTALITY over 5m from Iwo Jima
€3999.EURO ex Tokyo

http://xjubier.free.fr/eclipse-city_tours/Total_Solar_Eclipse_2009_Tours.html?Program=2

Itinerary 2B – Iwo Jima > 3 Day Tour from Agana, Guam (currently wait-listed pending authorization)

JUL 21 to JUL 23 > TOTALITY over 5m from Iwo Jima
€3999.EURO ex Agana, Guam

http://xjubier.free.fr/eclipse-city_tours/Total_Solar_Eclipse_2009_Tours.html?Program=2

Itinerary 2C – Iwo Jima > 3 Day Tour from Agana, Guam (currently wait-listed pending authorization)

JUL 19 to JUL 23 > TOTALITY over 5m from Iwo Jima
€4290.EURO ex Agana, Guam

http://xjubier.free.fr/eclipse-city_tours/Total_Solar_Eclipse_2009_Tours.html?Program=2

Itinerary 3 – Marshall Islands > 15 Day Tour from Majuro < COMPLETELY BOOKED

JUL 11 to JUL 25 > TOTALITY 5m 41s from Enewetak Atoll
€14,900.EURO ex Agana, Guam

http://xjubier.free.fr/eclipse-city_tours/Total_Solar_Eclipse_2009_Tours.html?Program=3

Eclipse Traveler < NEW LISTINGS!

<http://www.eclipsetraveler.com/>

Eclipse with Yangtze River Cruise > 15 day tour

JUL 17 to JUL 31 > TOTALITY of 5m 11.8s aboard the MS Yangtze 1

\$4095.USD, arrive Beijing / depart Shanghai, \$5475.USD from JFK, \$5365.USD from LAX or SFO

http://www.eclipsetraveler.com/tours/eclipse_tour_with_yangtze_river_cruise_2009.htm

Eclipse Tour & Hangzhou > 8 day tour

JUL 17 to JUL 24 > TOTALITY of 5m 50.0s from Hangzhou

\$1612.USD ex Shanghai, \$2992.USD from JFK, \$2882.USD from LAX

http://www.eclipsetraveler.com/tours/solar_eclipse_tour_with_hangzhou.htm

Eclipse Tour & Mt. Emei > 14 day tour

JUL 12 to JUL 25 > TOTALITY from the summit of Mt. Emei

\$3295.USD ex Shanghai, \$4675.USD from JFK, \$4565.USD from LAX & SFO

http://www.eclipsetraveler.com/tours/solar_eclipse_tour_with_hangzhou.htm

Discover China & Solar Eclipse < COMPLETELY BOOKED

Explore! (UK)

<http://www.explore.co.uk/>

China Discovery & Eclipse 2009 > 13 / 14 Day Tour

Eclipse Guide > Prof. Paul Murdin

JUL 12 to JUL 23 > TOTALITY nearly 6m near Anji

£1645.GBP, arrive Hong Kong / depart Shanghai / £2445.GBP RT from London Heathrow

\$3590.USD, arrive Hong Kong / depart Shanghai

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE7&BrochureCode=EWW2009>

Cultural Treasures & Eclipse 2009 > 09 / 10 Day Tour

Eclipse Guide > Dr. Fransisco Diego

JUL 14 to JUL 27 > TOTALITY nearly 6m near Anji

£1249.GBP, arrive Beijing / depart Shanghai / £1849.GBP RT from London Heathrow

\$2840.USD, arrive Beijing / depart Shanghai

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE9&BrochureCode=EWW2009>

Encounter Japan & Eclipse 2009 > 13 / 14 Day Tour

JUL 17 to JUL 30 > TOTALITY on Yakushima Island 3m to 4m depending on location on the island

£2612.GBP, ex Tokyo / £3218.GBP RT from London Heathrow

\$5460.USD, ex Tokyo

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SJE2&BrochureCode=EWW2009>

Family China & Eclipse 2009 > 17 / 18 Day Tour < NEW LISTING!

JUL 17 to JUL 30 > TOTALITY on Yakushima Island 3m to 4m depending on location on the island

£1587.GBP, arrive Shanghai / depart Beijing / £2043.GBP RT from London Heathrow

\$3320.USD, arrive Shanghai / depart Beijing

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SFCE5&BrochureCode=FAM2009>

Imperial China & Eclipse 2009 > 18 / 19 Day Tour

JUL 19 to AUG 06 > TOTALITY from Shanghai of nearly 6m

£1345.GBP arrive Shanghai / depart Beijing / £1945.GBP RT from London Heathrow

\$3090.USD arrive Shanghai / depart Beijing

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE4&BrochureCode=EWW2009>

Poetic China & Eclipse 2009 > 10 / 11 Day Tour

JUL 19 to JUL 29 > TOTALITY from Suzhou of nearly 6m

£899.GBP, ex Shanghai / £1549.GBP RT from London Heathrow

\$2040.USD, ex Shanghai

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE10&BrochureCode=EWW2008>

Shanghai to Hong Kong & Eclipse 2009 > 12 / 13 Day Tour

JUL 19 to JUL 31 > TOTALITY from Coastal Shanghai of nearly 6m

£1645.GBP, arrive Shanghai / depart Hong Kong / £2445.GBP RT from London Heathrow

\$3650.USD, arrive Shanghai / depart Hong Kong

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE8&BrochureCode=EWW2009>

Shanghai, Suzhou & Eclipse 2009 > 5 / 6 Day Tour

JUL 19 to JUL 24 > TOTALITY from Anji of nearly 6m
£549.GBP ex Shanghai / £1199.GBP RT from London Heathrow
\$1210.USD ex Shanghai

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE13&BrochureCode=EWW2009>

Shogun Trail & Eclipse 2009 > 13 / 14 Day Tour

JUL 11 to JUL 24 > TOTALITY from Yakushimi of nearly 3m to 4m
£2249.GBP ex Tokyo / £2749.GBP RT from London Heathrow
\$5500.USD ex Tokyo

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SJE1&BrochureCode=EWW2009>

Silk Road Odyssey & Eclipse 2009 > 26 / 27 Day Tour

JUN 30 to JUL 26 > TOTALITY from Shanghai of nearly 6m
£2414.GBP, arrive Tashkent, Uzbekistan / depart Beijing / £3098.GBP RT from London Heathrow
\$5050.USD, arrive Tashkent, Uzbekistan / depart Beijing

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE1&BrochureCode=EWW2009>

Taste of China & Eclipse 2009 > 9 / 10 Day Tour

JUL 15 to JUL 24 > TOTALITY from Shanghai of nearly 6m
£1024.GBP, arrive Beijing / depart Shanghai / £1599.GBP RT from London Heathrow
\$2140.USD, arrive Beijing / depart Shanghai

<http://www.explore.co.uk/Prices+and+Booking.htm?TourCode=SCE12&BrochureCode=EWW2009>

Tibetan Journey & Eclipse 2009 > 19 / 20 Day Tour < NEW LISTING!

JUL 05 to JUL 23 > TOTALITY from Shanghai of nearly 6m
£1901.GBP, arrive Beijing / depart Shanghai / £2295.GBP RT from London Heathrow
\$3970.USD, arrive Beijing / depart Shanghai

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE3&BrochureCode=EWW2009>

Trans Siberian & Eclipse 2009 > 23 / 24 Day Tour < NEW LISTING!

JUL 01 to JUL 23 > TOTALITY from Shanghai of nearly 6m
£2927.GBP, arrive Moscow, Russia / depart Shanghai, China / £3397.GBP RT from London Heathrow
\$6120.USD, arrive Moscow, Russia / depart Shanghai, China

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE2&BrochureCode=EWW2009>

Warriors. Great Wall & Eclipse 2009 > 9 / 10 Day Tour < NEW LISTING!

JUL 19 to JUL 24 > TOTALITY from Shanghai of nearly 6m
£1061.GBP, arrive Shanghai / depart Beijing / £1648.GBP RT from London Heathrow
\$2220.USD, arrive Shanghai / depart Beijing

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE11&BrochureCode=EWW2009>

Yangtse, Yangshuo & Eclipse 2009 > 17 / 18 Day Tour < NEW LISTING!

JUL 07 to JUL 23 > TOTALITY from Shanghai of nearly 6m
£1665.GBP, arrive Hong Kong / depart Shanghai / £2299.GBP RT from London Heathrow
\$3480.USD, arrive Hong Kong / depart Shanghai

<http://www.explore.co.uk/Tour+Detail+Page.htm?TourCode=SCE6&BrochureCode=EWW2009>

Explorers Eclipse Tours (UK)

<http://www.explorerseclipse.co.uk/>

Standard Itinerary > 9 Day Tour

JUL 18 to JUL 26 > TOTALITY from Hangzhou
£1000.GBP ex Shanghai, £1530.GBP RT from London

<http://www.explorerseclipse.co.uk/StandardItinerary.aspx>

China Highlights > 14 Day Tour

JUL 12 to JUL 25 > TOTALITY from Hangzhou
£1610.GBP, arrive Beijing, depart Shanghai, £2150.GBP RT from London
<http://www.explorerseclipse.co.uk/HighlightChina.aspx>

China & Tibet > 14 Day Tour

JUL 17 to JUL 30 > TOTALITY from Hangzhou
£2175.GBP arrive Shanghai, depart Beijing, £2725.GBP RT from London
<http://www.explorerseclipse.co.uk/HighlightChina.aspx>

Shanghai & Hong Kong > 10 Day Tour

JUL 17 to JUL 26 > TOTALITY from Hangzhou
£1250.GBP, arrive Shanghai, depart Hong Kong, £1785.GBP RT from London
<http://www.explorerseclipse.co.uk/ShanghaiHongKong.aspx>

Shanghai & Indochina > 15 Day Tour

JUL 17 to JUL 31 > TOTALITY from Hangzhou
£1855.GBP, arrive Shanghai, depart Bangkok, Thailand, £2399.GBP RT from London
<http://www.explorerseclipse.co.uk/ShanghaiIndoChina.aspx>

Shanghai & Thai Beaches > 14 Day Tour

JUL 17 to JUL 30 > TOTALITY from Hangzhou
£1575.GBP, arrive Shanghai, depart Bangkok, Thailand, £2115.GBP RT from London
<http://www.explorerseclipse.co.uk/ShanghaiThaiBeaches.aspx>

Focus on Nature Tours (FONT)

Birding in the Summer – Southern Japan > 15 Day Tour

JUL 12 to JUL 26 > up to 3m 46s TOTALITY on Amami-Oshima
\$2795.USD ex arrive Okinawa / depart Osaka
<http://www.focusonnature.com/JapanJul'09TotalSolarEclipseFeature.htm>

Harvard Museum of Natural History Travel Program

Total Solar Eclipse Cruise and Exploration of Japan > 17 Day Tour

Eclipse Guides > Dr. Mark Van Baalen, Dr. Edward Bertschinger & Prof. Edwin Turner

JUL 15 to JUL 31 > up to 6m 39s TOTALITY aboard the Costa Classica cruise ship
\$9895.USD ex arrive Beijing, China / depart Kyoto, Japan
http://www.hmn.harvard.edu/travel/t_asia_japan_eclipse.htm

Houston Museum of Natural Science

thru Easton Resource Development, Inc.

Total Solar Eclipse Trip to China 2009 > 14 Day Tour

Eclipse Guide > Dr. Carolyn Sumners

JUL 10 to JUL 23 > TOTALITY from or near ShaoXing
\$3397.USD arrive Beijing / depart Shanghai
http://www.hmns.org/files/education/HMNS_Eclipse_Trips_2008_and_2009.pdf

Jasmine's China Adventure Tours

<http://www.jasminechina.com/ecl2009.htm>

Dragon River Eclipse Tour

Option 1 > 21 Day Tour

JUL 12 to AUG 01 > nearly 6m TOTALITY
\$4750.USD ex Beijing
<http://www.jasminechina.com/ecl2009.htm#option1>

Option 2 > 21 Day Tour

JUL 12 to AUG 01 > nearly 6m TOTALITY

\$4350.USD ex Beijing

<http://www.jasminechina.com/ecl2009.htm#option2>

Option 3 > 16 Day Tour

JUL 17 to AUG 01 > nearly 6m TOTALITY

\$3950.USD ex Shanghai

<http://www.jasminechina.com/ecl2009.htm#option3>

Option 4 > 16 Day Tour

JUL 17 to AUG 01 > nearly 6m TOTALITY

\$3550.USD ex Shanghai

<http://www.jasminechina.com/ecl2009.htm#option4>

Option 5 > 8 Day Tour

JUL 17 to JUL 24 > nearly 6m TOTALITY

\$1900.USD ex Shanghai

<http://www.jasminechina.com/ecl2009.htm#option1>

Journey's International, Inc.**China Solar Eclipse 2009 > 7 Day Tour**

JUL 18 to JUL 24 > nearly 6m of TOTALITY from Shanghai

\$2990.USD ex Shanghai

<http://www.journeys.travel/destinations/asia/china/754/>

India Solar Eclipse > 10 Day Tour

JUL 13 to JUL 22 > TOTALITY near Varanasi

\$2995.USD ex Delhi

<http://www.journeys.travel/destinations/asia/india/759/>

Laurus Travel

<http://www.laurustravel.com/>

Total Solar Eclipse China Tour > 11 Day Tour

JUL 16 to JUL 26 > nearly 6m TOTALITY from Hangzhou

\$2395.USD, arrive Shanghai, depart Beijing

<http://www.laurustravel.com/09-total-solar-eclipse-china-tour-2009.htm>

Total Solar Eclipse Tour with Yangtze Cruise > 17 Day Tour

JUL 16 to AUG 01 > nearly 6m TOTALITY from Hangzhou

\$3250.USD, arrive Shanghai, depart Beijing

<http://www.laurustravel.com/09-total-solar-eclipse-china-tour-2009.htm>

Let's Travel China < NEW LISTING!

<http://www.letstravelchina.com/>

2009 Total Solar Eclipse on Mt. Emei > 14 Day Tour

JUL 16 to JUL 26 > TOTALITY viewed from Mt. Emei

\$3880.USD, arrive Beijing, depart Shanghai, \$4830.USD from LAX

<http://www.letstravelchina.com/TourView.aspx?ProductId=330>

Mandarin World Travel (MWT) < NEW LISTING!**2009 Total Solar Eclipse on Mt. Emei > 9 Day Tour**

JUL 17 to JUL 25 > TOTALITY viewed from Mt. Emei

\$3195.AUD ex Singapore, or \$3995.AUD from BNE, SYD, MEL, PER (Includes Airfare)

<http://www.mwtravel.net/admin/editor/UploadFile/2008113174839476.pdf>

Melita Trips

<http://www.melitatrips.com/>

Grand Yangtze River Cruise aboard the Victoria Prince > 14 Day Tour

JUL 13 to JUL 26 > nearly 5m+ TOTALITY from Three Gorges Dam

Request brochure for pricing, arrive Beijing, depart Shanghai

<http://www.melitatrips.com/china/index.html>

Extensions available for; **1 night in Shanghai (post tour)**
 2 nights in Hong Kong (post tour)
 2 nights in Shanghai (post tour)
 6 nights in Thailand & Cambodia (post tour)

Mountain Adventures < NEW LISTING!

<http://www.mountainadventures.com/>

China Total Solar Eclipse – July 2009 > 15 Day Tour

5m 50s TOTALITY near Hangzhou

http://www.mountainadventures.com/mountain%20adventures_031.htm

e-mail: mtnadv@netsnet.net for details and prices

Extensions available for; **10 days – Discover Yunnan Tour**

MWT Associates, Inc.

<http://www.melitatrips.com/>

Grand Yangtze River Cruise > 14 Day Tour

JUL 13 to JUL 26 > 5m+ TOTALITY from Three Gorges Dam region on the Yangtze

Request a brochure to receive a price list > http://www.melitatrips.com/brochure_request_china.html

DOES include round trip airfare from major US gateways

<http://www.melitatrips.com/china/index.html>

NEI (UK), Ltd. < NEW LISTING!

<http://www.neiuk.co.uk/>

Total Solar Eclipse Tour - India 2009 > 8 Day Tour

JUL 19 to JUL 26 > TOTALITY from the Ganges River SE of Varanasi

Price Not Listed, ex Delhi

http://www.neiuk.co.uk/Solar_Eclipse_India_2009.html

e-mail: -enquiries@neiuk.co.uk

On the Go Tours < NEW LISTINGS!

<http://www.onthegotours.com/>

Eclipse on Shanghai > 5 Day Tour

JUL 19 to JUL 23 > 5m 00s TOTALITY on the beach in S. Shanghai overlooking the East China Sea

\$949.USD, ex Shanghai

<http://www.onthegotours.com/Eclipse-on-Shanghai>

Eclipse on Bhutan > 7 Day Tour

JUL 19 to JUL 25 > 5.52m TOTALITY from Trongsa, Bhutan

\$3229.USD, ex Kolkata, India

<http://www.onthegotours.com/Eclipse-on-Bhutan>

Eclipse in Darjeeling > 8 Day Tour

JUL 18 to JUL 25 > 2.56m TOTALITY from Darjeeling, India

\$2499.USD, ex Kolkata, India

<http://www.onthegotours.com/Eclipse-in-Darjeeling>

Golden Triangle & Eclipse > 9 Day Tour

JUL 16 to JUL 24 > 3.02m TOTALITY from Varanasi, India
\$1379.USD, ex Delhi, India

<http://www.onthegotours.com/Golden-Triangle-and-Eclipse>

Great Wall and Warriors Eclipse > 9 Day Tour

JUL 14 to JUL 22 > 5m 00s TOTALITY on the beach in S. Shanghai overlooking the East China Sea
\$1829.USD, arrive Beijing, depart Shanghai

<http://www.onthegotours.com/Eclipse-Great-Wall-and-Warrior>

Yangtze Eclipse & Cruise > 10 Day Tour

JUL 19 to JUL 28 > 4m to 5m TOTALITY and viewed from the Yangtze River
\$2499.USD, ex Shanghai

<http://www.onthegotours.com/Yangtze-Eclipse-and-Cruise-Itinerary>

Deserts, Places & Varanasi > 13 Day Tour

JUL 12 to JUL 24 > 3.02m TOTALITY from Varanasi, India
\$2349.USD, ex Shanghai

<http://www.onthegotours.com/Deserts-Palaces-and-Varanasi-Eclipse>

Yin & Yangtze Eclipse > 15 Day Tour

JUL 14 to JUL 28 > 4m to 5m TOTALITY and viewed from the Yangtze River
\$2949.USD, arrive Beijing, depart Shanghai

<http://www.onthegotours.com/Eclipse-Yin-and-Yangtze>

Oriental Travel

<http://www.orientaltravel.co.uk/>

China Solar Eclipse Tour 5 days

JUL 19 to JUL 23 – up to 5m 56s TOTALITY near Shanghai
£730.GBP or \$1290.USD ex Shanghai

<http://solar-eclipse.orientaltravel.co.uk/5days.html>

China Solar Eclipse Tour 10 days

JUL 14 to JUL 23 – up to 5m 56s TOTALITY near Shanghai
£1450.GBP or \$2565.USD ex arrive Beijing / depart Shanghai

<http://solar-eclipse.orientaltravel.co.uk/10days.html>

China Solar Eclipse Tour 13 days

JUL 11 to JUL 23 – up to 5m 56s TOTALITY near Shanghai
from £2095.GBP or \$3710.USD ex arrive Beijing / depart Shanghai

(4 star accommodations booked, prices listed are for the 5 star accommodations that are still available)

<http://solar-eclipse.orientaltravel.co.uk/13days.html>

Essential China Eclipse Tour 16 days < **NEW LISTING!**

JUL 19 to AUG 03 – up to 5m 56s TOTALITY near Shanghai
£1890.GBP or \$3345.USD arrive Shanghai, depart Beijing

<http://solar-eclipse.orientaltravel.co.uk/16days.html>

Grand China Eclipse Tour 19 days < **NEW LISTING!**

JUL 06 to JUL 24 – up to 5m 56s TOTALITY near Shanghai
£2340.GBP or \$4140.USD arrive Beijing, depart Shanghai

<http://solar-eclipse.orientaltravel.co.uk/19days.html>

Classic China Eclipse Tour 14 days < NEW LISTING!

JUL 13 to JUL 26 – up to 5m 56s TOTALITY near Shanghai
£1860.GBP or \$3290.USD arrive Beijing / depart Shanghai

<http://solar-eclipse.orientaltravel.co.uk/14days.html>

Extensions available for; **2 days in Hangzhou (JUL 22 to JUL 25)**
 3 days – Sanya Sun & Beach (JUL 22 to JUL 26)
 3 days in Hong Kong (JUL 22 to JUL 25)
Hangzhou & Hong Kong
Sanya & Hong Kong

People's Travel < NEW LISTING!

<http://www.peoples.travel/index.shtml>

Shanghai Solar Eclipse 2009 – 7 day trip

JUL 17 to JUL 23 > nearly 6m TOTALITY from Shanghai
£1130.GBP ex Shanghai

<http://www.peoples.travel/Solareclipse-Shanghai.shtml>

Philworld Travel Resources

<http://philworldtravel.com/default.aspx>

2009 Total Solar Eclipse Program – 8 day trip

JUL 16 to JUL 23 > TOTALITY from Darjeeling
Ex Delhi. India

<http://philworldtravel.com/solareclipse2009.aspx>

Rick Brown's Eclipse Safaris

Eclipse Leader > Rick Brown

Eclipse 2009, China – 14 day trip

JUL 14 to JUL 27 – 5m 29s TOTALITY near Wuhan
\$3495.USD arrive Shanghai / depart Beijing

<http://www.eclipse-chasers.com/esafari/default.htm>

Ring of Fire Expeditions

Eclipse Leaders > Paul D. Maley / Claude Nicollier / Dr. Pat Reiff / Jacques Guertin

Tour #1 – Tibet & Wuhan China Total Solar Eclipse – 11 day trip < NEW LISTING!

JUL 13 to JUL 23 – 5m 26s TOTALITY from Wuhan, China
\$3789.USD ex Shanghai, a post tour to Beijing is also available

<http://www.eclipsetours.com/wuhan09.html>

Tour #2 – The Nearly 6 Minute Solar Eclipse Expedition – 7 day trip

JUL 19 to JUL 25 – 5m 20s of TOTALITY from Jiaxing to 5m52s in Shanghai
\$3039.USD ex Shanghai

<http://www.eclipsetours.com/china09.html>

Extensions available for; **10 days - Tibet (JUL 09 to JUL 18) (pre tour)**
 5 days – Beijing (JUL 25 to JUL 29) (post tour)

Tour #3 – Kiribati 4m 50s Totality – 7 day trip < NEW LISTING!

JUL 19 to JUL 25 – 4m 50s of TOTALITY from Butaritari, Gilbert Islands
\$4800.USD ex Fiji (Airfare from LAX included)

<http://www.eclipsetours.com/butari09.html>

Samar Magic Tours < NEW LISTING!

<http://www.samarmagictours.com/>

Total Solar Eclipse in Nepal > 8 day tour

JUL 17 to JUL 24 > TOTALITY from Gaighat, Nepal

\$1260.USD / €1050.EURO ex Kathmandu based on 10+ individuals in the group

http://www.samarmagictours.com/2009_Total_Solar_Eclipse_in_Nepal.pdf

Total Solar Eclipse in China > 8 day tour

JUL 18 to JUL 25 > TOTALITY from Mt, Emei

\$1999.USD / €1669.EURO ex Beijing based on 10+ individuals in the group

http://www.samarmagictours.com/2009_Total_Eclipse_Solar_in_China.pdf

Extensions available to; Tibet, Yunnan, Hong Kong, Beijing/Xi'an/Shanghai

Sanya China Travel < NEW LISTING!

<http://www.sanyachinatravel.com/index.php>

Eclipse Tour A > 6 day tour

JUL 18 to JUL 23 > TOTALITY ~ 5m 56s from Shanghai

£1350.GBP ex Shanghai

http://www.sanyachinatravel.com/tours/eclipse_tour.php#tourA

Eclipse Tour B > 10 day tour

JUL 15 to JUL 23 > TOTALITY ~ 5m 56s from Shanghai

£2020.GBP ex Shanghai

http://www.sanyachinatravel.com/tours/eclipse_tour.php#tourB

Siemer & Hand Travel

<http://www.siemerhand.com/cgi-bin/travel/index.html>

Total Solar Eclipse in China > 10 day tour < NEW LISTING!

Eclipse Leaders > Richard French / Daniel Gardner

JUL 15 to JUL 24 > TOTALITY ~ 5m 53s from Oriental Green Boat Park in Shanghai

\$3895.USD, arrive Beijing / depart Shanghai

<http://www.siemerhand.com/cgi-bin/travel/trip/32/Total-Solar-Eclipse-in-China.html>

Extension available for; 4 days – Yangtze River Cruise (JUL 24 to JUL 28) (post tour)

2009 Total Solar Eclipse Cruise & Exploration of Japan > 15 day tour

Eclipse Leaders > Edwin L. Turner

JUL 15 to JUL 29 > TOTALITY nearly 6m 38.9s aboard the cruise ship Costa Classica at 24° 12.2' N and 144° 07.0' E

\$7795.USD, arrive Beijing / depart Tokyo

<http://www.siemerhand.com/cgi-bin/travel/trip/50/Total-Solar-Eclipse-Cruise-Exploration-of-Japan.html>

Total Solar Eclipse in China > 10 day tour < NEW LISTING!

Eclipse Leaders > Bing Quock

JUL 15 to JUL 24 > TOTALITY ~ 5m 53s from Oriental Green Boat Park in Shanghai

\$3895.USD, arrive Beijing / depart Shanghai

<http://www.siemerhand.com/cgi-bin/travel/trip/59/Total-Solar-Eclipse-in-China.html>

Extension available for; 4 days – Yangtze River Cruise (JUL 24 to JUL 28) (post tour)

Sita World Tours - Solar Eclipse Tours < NEW LISTINGS!

<http://www.eclipsetours.net/tours.htm>

Total Solar Eclipse Cruise > 14 day trip

JUL 16 to JUL 29 > 6m 39s TOTALITY from at sea aboard the Costa Classica
\$2052.USD arrive Beijing, depart Shanghai

<http://www.eclipsetours.net/cruise/chinaeclipse2009.html>

Total Solar Eclipse Over China > 8 day trip

JUL 18 to JUL 25 > 5m 53s TOTALITY from Shanghai
\$2650.USD arrive Beijing, depart Shanghai

<http://www.eclipsetours.net/cruise/chinaeclipse2009.html>

Extensions available for; **3 days – Beijing (JUL 16 to JUL 18) (pre tour)**
 3 days – Shanghai (JUL 25 to JUL 27) (post tour)

Sirius Travel

Option A - Tibet & China > 18 day trip

JUL 13 to JUL 30 > 5m 00s TOTALITY at 3099 meters on Mt. Emei Shan
\$4325.USD / \$4950.USD RT ex Beijing, China

<http://www.siriustravel.com/tibet09/itinerary.cfm>

Option B - Tibet & China > 12 day trip

JUL 13 to JUL 24 > 5m 00s TOTALITY at 3099 meters on Mt. Emei Shan
\$3850.USD / \$4450.USD RT ex Beijing, China

<http://www.siriustravel.com/tibet09/itinerary.cfm>

South America Classic Tours

<http://www.solar-eclipse-tours.com/>

Trip 1 – Total Solar Eclipse on Mt. Emei > 14 day trip

JUL 12 to JUL 25 > 4m 42s TOTALITY at 3077 meters ASL on Mt. Emei Shan
\$3190.USD, arrive Beijing / depart Shanghai

http://www.solar-eclipse-tours.eu/eclipse_2009_emei.htm

Trip 2 - Eclipse Tour to Jinshan > 8 day trip

JUL 17 to JUL 24 > 5m 53s TOTALITY at the beach in Jinshan
\$1590.USD, ex Shanghai

http://www.solar-eclipse-tours.eu/eclipse_2009_jinshan_8days.htm

Trip 3 - China – Hangzhou > 14 day trip

JUL 12 to JUL 25 > 5m 53s TOTALITY at the beach in Jinshan
\$2690.USD, arrive Beijing / depart Shanghai

http://www.solar-eclipse-tours.eu/eclipse_2009_jinshan_14days.htm

Trip 4 – Eclipse Tour to Jinshan > 4 day trip < NEW LISTING!

JUL 20 to JUL 25 > 5m 53s TOTALITY at the beach in Jinshan
\$348.USD ex Shanghai

http://www.solar-eclipse-tours.eu/eclipse_2009_jinshan_4days.htm

Spears Travel

<http://www.spearstravel.com/astronomy/upcoming.htm>

Southern China 2009 > 10 day trip

JUL 15 to JUL 24 > 5m 50s TOTALITY
£630.GBP ex Paro

<http://www.spearstravel.com/astronomy/china09/>

Travel and Trek

<http://www.travelandtrek.com/index.html>

Bhutan Solar Eclipse Tour - July 2009 > 8 day trip

JUL 19 to JUL 26 > 3m 01s TOTALITY from Thimphu, and up to 4m for those driving 5 hours to the S.
\$1860.USD, ex Paro, Bhutan

<http://www.travelandtrek.com/Bhutan.htm#Eclipse>

Travel Wizard

<http://www.travelwizardtravel.com/astro.htm>

Eclipse Leader > Stephen D. Last

China's Eclipse Tour > Info yet to be posted on the Travel Wizard web site

TOTALITY from south of Shanghai

TravelQuest International

<http://www.tq-international.com/index.htm>

China's Footsteps of Emperors – Shanghai > 6 day trip

JUL 18 to JUL 23 > 5m 53.5s TOTALITY near Shanghai
\$2230.USD ex Shanghai

<http://www.travelquestinternational.com/China2009/Chinaitinerary.htm>

China's Footsteps of Emperors – Beijing & Shanghai > 9 day trip

JUL 15 to JUL 23 > 5m 53.5s TOTALITY near Shanghai
\$2840.USD, arrive Beijing / depart Shanghai

<http://www.travelquestinternational.com/China2009/Chinaitinerary.htm>

Extensions available for;

- 3 days – Xi'an & Terracotta Warriors (JUL 23 to JUL 25) (post tour)**
- 5 days – Guilin & Terracotta Warriors (JUL 23 to JUL 27) (post tour)**
- 11 days – Yangtze River Cruise, Guilin & Terracotta Warriors (JUL 23 to AUG 03) (post tour)**

Total Solar Eclipse Cruise > 15 day trip

Eclipse Leaders > Rick Feinberg & Owen Gingerich

JUL 15 to JUL 29 > 3m 26s TOTALITY Aboard SS Paul Gauguin well NW of Tahiti
Starting at \$6995.USD + \$395.USD for port fees & taxes > ex Papeete, Tahiti

<http://www.travelquestinternational.com/CookIslands/NCIhome.htm>

Tropical Sails Corp

<http://www.tropicalsails.com/>

Eclipse 2009 China Total Solar > 14-day trip

JUL 11 to JUL 24 > approximately 5m 51s TOTALITY near Anji, Zhejiang , China
\$2898.USD ex arrive Beijing / depart Shanghai

<http://www.tropicalsails.com/eclipse/page2.html>

Twilight Tours

<http://sciencecenter.net/twilighttours/>

China Total Solar Eclipse Tour > 14-day trip

JUL 13 to JUL 26 - 5m 50s TOTALITY near Hangzhou
\$3325.USD, arrive Beijing / depart Shanghai

<http://sciencecenter.net/twilighttours/200907/itinerary.pdf>

Vigbyor Travels < NEW LISTING!

<http://www.vigbyorindiatours.com/>

Total Solar Eclipse July 2009 – Eclipse on Varanasi > 10-day trip

JUL 14 to JUL 23 - TOTALITY near Varanasi

£675.GBP ex Delhi

http://www.vigbyorindiatours.com/tourism_packages.asp?tour=42

Voyages of Discovery < NEW LISTING!

<http://www.astroadventures.net/index.html>

Eclipse Leader > Dr. Howard L. Cohen

China Total Solar Eclipse Tour 2009 >19-day trip

JUL 19 to AUG 06 - 5m 36s TOTALITY in Hyzhous City, about 20 miles (32 km) south of centerline

\$7895.USD, arrive Shanghai, depart Beijing

<http://www.astroadventures.net/2009/CHINA/overview.html>

Wendy Wu Tours (Australia) < NEW LISTING!

<http://www.wendywutours.com.au/>

Eclipse & Shanghai Experience >14-day trip

JUL 19 to JUL 27 - 5m 40s TOTALITY near Hangzhou

\$2775.AUD ex Shanghai, or \$3975.AUD RT from Australia

<http://www.chinaeclipse.com.au/Eclipse-Shanghai-Experience>

Wild Frontiers

<http://www.wildfrontiers.co.uk/wildfrontiers/region.jsf?id=1>

Village India: Solar Eclipse Tour >15-day trip

JUL 19 to AUG 02 – TOTALITY viewed from Maheshwar

£1860.GBP, arrive Mumbai / depart Delhi

http://www.wildfrontiers.co.uk/wildfrontiers/region_itinerary.jsf?tid=144&id=1

Winco Eclipse Tours

<http://www.wincoeclipse.com/>

China 2009 Eclipse Expedition >18-day trip

JUL 06 to JUL 24 - 5m 55s TOTALITY south of Shanghai

of \$5540.USD (\$4745.USD, plus \$795.USD for in-China flights), arrive Beijing / depart Shanghai

<http://www.wincoeclipse.com/id51.htm>

Wilderness Travel

<http://www.wildernesstravel.com/>

Eclipse Leader > Alex Filippenko, PhD

Total Solar Eclipse in Polynesia > 15-day trip

JUL 15 to JUL 29 > 3m 26s TOTALITY

\$6995.USD ex Papeete, Tahiti

<http://www.wildernesstravel.com/itins/evpolyne.html>

Also Now Booking; 2010 Total Solar Eclipse

The eclipse of 2010 July 11 is almost entirely visible from the waters of the South Pacific Ocean, with very small interjections of reefs and tiny islands. It passes close to Tahiti, and totality envelopes Rapa Nui (Easter Island). Whether going to Tahiti or Rapa Nui, space may be very limited, and like the TSE of 2005, will likely sell out well in advance. An article posted to the USA Today web site last year stated that the lodging at the hotels on Rapa Nui was booked 8 years in advance¹. I have little doubt that there will be several eclipse camps set up here, but just how many will be able to get there, and with LAN Airlines only making 6 flights a week from Santiago to Rapa Nui, perhaps they will gear up for a larger assault on the remote island.

Tahiti lies just outside the eclipse path, and those venturing on the seas only 120km south will have a chance for 3m 55s of totality, with longer durations the further east you travel, and the nearby small island of Mahetia will glimpse 1m 45s of totality, and several precarious atolls to the east of Tahiti come very close to the centerline. Most tour groups are compiling only lists of individuals wanting to travel to these areas, so get on a list requesting more information. To date, the following are the only groups actively advertising their rates and taking reservations;

A Classic Tours Collection

<http://aclassictour.com>

Rapa Nui Trip < Details Pending

<http://aclassictour.com/solareclipse.tours.html>

Astronomical Tours < NEW LISTING!

<http://www.astronomicaltours.net/2010/index.html>

Tahitian Windward Islands Eclipse Cruise > 9 day tour

JUL 08 to JUL 16 > TOTALITY viewed from your yacht at sea

\$4250.USD ex Papeete, Tahiti

<http://www.astronomicaltours.net/2010/Yacht/index.html>

Tahiti Proper > 6 day tour < Details Pending

JUL 09 to JUL 14 > TOTALITY 4m 36s viewed from Tatakotu

\$3795.USD ex Papeete, Tahiti

Taste of Tahiti > 6 day tour < Details Pending

JUL 08 to JUL 16 > TOTALITY viewed from the Tuamotus Archipelago

\$2795.USD ex Papeete, Tahiti

Mountain Adventures < NEW LISTING!

<http://www.mountainadventures.com/>

Total Solar Eclipse Easter Island 2010 > Approximately 15 Day Tour < Details Pending

http://www.mountainadventures.com/mountain%20adventures_016.htm

e-mail: mtadv@netsht.net for details and prices

Ring of Fire Expeditions

[Eclipse Guide > Paul D. Maley](#)

Solar Eclipse Cruise in French Polynesia – 11 day trip

JUL 08 to JUL 18 – 4m 01s TOTALITY near Moorea, Society Islands

\$3526.USD and up (\$3058.USD + \$468.USD Port, fuel and gratuity surcharges) ex Papeete, Tahiti

<http://www.eclipsetours.com/tahiti.html>

Sirius Travel

Eclipse Tour 2010 – Easter Island < [Details Pending](#)

<http://www.siriustravel.com/easterisland10/index.cfm>

TravelQuest International

<http://www.tq-international.com/index.htm>

Easter Island Total Solar Eclipse 2010 < [Details Pending](#)

<http://www.travelquestinternational.com/EasterIs2010info.html>

French Polynesian Voyage to Totality 2010 > 7 Nights < [Details Pending](#)

3m 45s TOTALITY

<http://www.travelquestinternational.com/FrenchPolyinfo.html>

Cook Islands Total Solar Eclipse 2010 > 9 Days < [Details Pending](#)

JUL 05 to JUL 13 – 3m 19s of TOTALITY from Mangaia Island

<http://www.tq-international.com/CookIslands2010/CookIs2010Info.htm>

Extensions available for; **Cook Island of Aitutaki**
 New Zealand
 Easter Island

Tropical Sails Corp

<http://www.tropicalsails.com/>

Pacific Anaa Atoll Solar Eclipse July 11, 2010 < [Details Pending](#)

Between 2 to 3 minutes of TOTALITY

<http://www.tropicalsails.com/eclipse/page7.html>

Twilight Tours

<http://sciencecenter.net/twilighttours/>

Easter Island / Chile Solar Eclipse Expedition >10-day trip < [NEW LISTING!](#)

JUL 06 to JUL 15 – over 4m 45s TOTALITY on Easter Island

\$3650.USD ex Santiago, Chile, limited to 110 participants

<http://www.sciencecenter.net/twilighttours/201007/index.htm>

Wildlife Worldwide < [NEW LISTING!](#)

<http://www.wildlifeworldwide.com/home.html>

[Eclipse Guide > Prof. John Parkinson](#)

Total Solar Eclipse – Easter Island - July 2010 >14-day trip

JUL 07 to JUL 21 – over 4m 45s TOTALITY on Easter Island

£3795.GBP ex London, Heathrow

http://www.wildlifeworldwide.com/holiday/total_solar_eclipse_easter_island.html

¹ USA Today - http://www.usatoday.com/travel/news/2007-10-25-eclipse-travel_N.htm

TOUR GROUPS LISTINGS > DISCLAIMER & ADVICE PAGE

At **TOTALITY!**, we have done a GOOGLE web search to find travel agents that are presently booking eclipse tours. Because they are listed here is in no way an endorsement for the veracity of any agent or agencies. We present these brief overviews for your convenience and to be a reference for your further examination to help you find the package that best fits your travel desires and prices. Please use the links to review all of the accompanying details about each trip.

Nearly ALL packages do NOT include airfare to and from your country of origin if other than the country you reside in, and visas are also extra, unless noted otherwise. Meals are sometimes included and sometimes not; please read these itineraries carefully. All prices listed are usually the starting price; single supplements (one person/per room) prices are usually notably higher, and I encourage anyone traveling alone to find a travel buddy so higher costs can be avoided. A good travel buddy will also watch your back, just like a diving buddy, and keep strangers at a distance when you are making an ATM withdrawal abroad.

Additional trip extensions are also often available. More listings will be added when they become available and be indicated with a **NEW LISTING!** value on the previous pages.

There is a distinction between tour groups that specialize in eclipse and astronomical tours, and tour groups that are including the eclipse into either their regular tours, or perhaps have modeled a tour to take advantage of the eclipse in a region they often cover in their tours. As a rule, even the eclipse/astronomy tour groups frequently contract out to local tour groups familiar with the sites of the host country. The difference is when a tour group engages an experienced eclipse guide, the day of the eclipse, and even a couple of days leading up to the eclipse, in order to do anything within reason to get everyone to a location where the Sun will be visible at the time of totality, even if it means racing to find a hole in the clouds (heaven forbid), and even if it means moving the tour hundreds of miles in an attempt to view totality. That is why they call it “Eclipse Chasing.” Also, the eclipse guide can monitor the weather patterns, as well as describe the events of a total solar eclipse to first time eclipse chasers (FTEC’s). No matter what, plan to have a great sightseeing trip, and even if it is cloudy, you will still have had a fascinating tour.

If your group does NOT have an “eclipse leader,” and if you have eclipse experience, you may need to step up to be sure that on eclipse day, the focus is getting to and giving ample time for the experienced eclipse chasers to set up equipment. It is important to have a lot of time to set up and align your equipment, with plenty of time to spare.

In most cases expect there to be a fee for a visa to the country or countries you will be visiting, and some can be a fairly hefty sum, in addition to requiring you to acquire it months ahead of time, so the more countries, the more fees, and these are usually not included in your basic tour price. And almost always, the tour cost does NOT include your international airfare. Often your tour company can arrange your international flights, but with careful work, you may find better fees if you book yourself; it may, however, be difficult matching your arrival and departure times with that of the tour. In some cases, if you land in one country in order to get to another, even that short time in the airport may require another visa.

ECLIPSE SPECIALTY TOUR GROUP Web Sites ...

A Classic Tours Collection

<http://aclassictour.com>

Eclipse City

<http://www.eclipse-city.com/>

Far Horizons

<http://www.farhorizon.com/2006-solar-eclipse.htm>

Mayhugh Travel – Astronomy Vacations

<http://astronomyvacations.com/>

MWT Associates (Astronomical Tours)

<http://www.melitatrips.com/>

Ring of Fire Expeditions

<http://www.eclipsetours.com>

Sirius Travel

<http://www.siriustravel.com/>

Sita World Tours - Solar Eclipse Tours

<http://www.eclipsetours.net/>

Spears Travel

<http://www.spearstravel.com/astronomy/>

TravelQuest International

<http://www.tq-international.com/index.htm>

Travel Wizard

<http://www.travelwizardtravel.com/astro.htm>

Winco Eclipse Tours, Inc.

<http://www.wincoeclipsetours.com>

Other Useful Eclipse Web Sites . . .

NASA Eclipse Home Page

<http://eclipse.gsfc.nasa.gov/eclipse.html>

Fred Espenak's Web Site

<http://www.mreclipse.com/>

Jay Anderson – Eclipse Weather Predictions

<http://home.cc.umanitoba.ca/~jander/>

Xavier Jubier's Google Earth Eclipse Maps

http://xjubier.free.fr/en/site_pages/SolarEclipsesGoogleMaps.html

International Astronomical Union - Solar Eclipse Working Group

<http://www.eclipses.info/>

Jay Pasachoff – Past Eclipse Expeditions

<http://www.williams.edu/Astronomy/eclipse/>

Sheridan Williams's Web Site

<http://www.clock-tower.com/>

Eclipses Online – HMNAO, CCLRC

<http://www.eclipse.org.uk/>

Glenn Schneider: Umbraphile

<http://nicmosis.as.arizona.edu:8000/UMBGRAPHILLIA.html>

Bill Kramer's Site

<http://www.eclipse-chasers.com/default.html>

Where In the World Are the Eclipse Chasers?

<http://www.eclipse-chasers.com/where.htm>

Dan McGlaun's – Eclipse2017.org

<http://www.eclipse2017.org/>

Jeffrey R. Charles – Eclipse Chaser Journal

<http://www.eclipsechaser.com/>

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Some future issues will occasionally use photos that have been posted to web sites that are saved at 72 dpi, and likely will not be as sharp as others posted at 128 dpi.

Please send any correspondence, suggestions or submissions to TOTALITYnewzine@aol.com.

Photo submissions can also be sent to the TOTALITYnewzine@aol.com; please format @128 dpi.

