

Surfspot-Guide

Costa Rica



Guanacaste Norte

presented by
LasAvellanas villas



RIDE WITH US

LasAvellanas-villas

Playa Avellanas, Guanacaste, Costa Rica



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Contact Us: www.lasavellanasvillas.com

Tel: 2652-9212

info@lasavellanasvillas.com

Cel: 8705-0714

 Las Avellanas Villas

Cel: 8848-5241

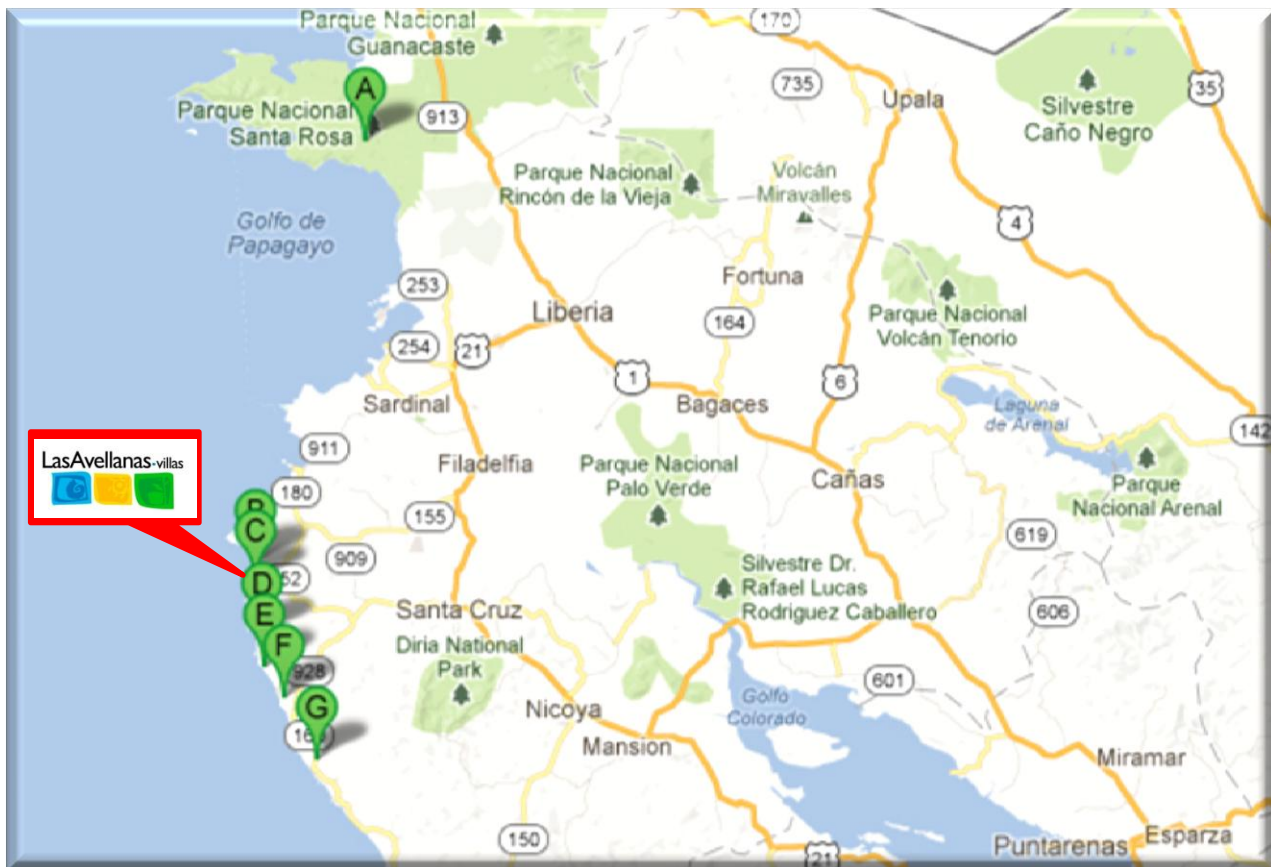
This free spotguide is a service for our clients, to show them the great wave potential we have in our area.

It tells you what spot normally works best in which conditions and how you can get there.

Please don't leave any trash at the beaches, when visiting this spots, leave only footprints.

Always use your common sense and respect the locals.

Note that LasAvellanasVillas is not responsible for any accidents, you surf this waves at your own risk.






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A) Boattrip to Potrero Grande (Ollies Point) and Roca Bruja (Witches Rock)



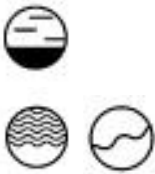
Spotname	Access	Wavetype & best Tide	Description
Ollies Point	1 hour drive to Playa de Coco and then by boat. Las Avellanas Villas can organize your boat. Ask us, we can tell you when to go. With us you also get the best rates & the best captains.	  	This right hand point break works best on low to mid tides. Rides can go on for 400 meters with barrels. It is only accessible by boat, and you must pay an entry fee to the Santa Rosa National Park. Only a limited number of boats are allowed in the park.



Spotname	Access	Wavetype & best Tide	Description
Roca Bruja	1 hour drive to Playa de Coco and then by boat. Las Avellanas Villas can organize your boat. Ask us, we can tell you when to go. With us you also get the best rates & the best captains.	     	One of the most famous breaks in Costa Rica. Well known for it's fast hollow rights and lefts. Picks up swells from the SSW and SW and can throw barrels. Best wave size is chest high to two feet overhead, any bigger and it tends to close out. Best tide to surf it is mid to high tide. Two main peaks, el Burro and the Rivermouth. Max. 5 persons per boat.

B) Playa Grande



Spotname	Access	Wavetype & best Tide	Description
<p>Playa Grande</p>	<p>By car 20 minutes north of Tamarindo</p> <p>Avellanas → Pinilla → Villa Real → Huacas → in Matapalo turn left</p>		<p>A beachbreak that works best from chest high to 3 feet overhead. When it's big it tends to break way outside and then reform about 100 yards off the beach. Lots of barrels and fun sections to smack. Best tide is mid tide coming in. At dead high there's some backwash, low tide has mostly closeouts. The break can get most crowded from June-August and December to April, but there are empty peaks up and down the beach. Do not leave stuff in your car as there is a lot of theft. A very consistent break, Playa Grande almost always has fun, rideable waves and catches usually more swell than surrounded breaks.</p>

C) Tamarindo



Spotname	Access	Wavetype & best Tide	Description
Estero	Liberia → Huacas → Villareal → Tamarindo Santa Cruz → Villareal → Tamarindo	 	The rivermouth breaks better on lower tides, and the size can look smaller from the beach than what it really is. Dominated by longboarders and locals, the wave can shack up and give surfers 100 yard rights.
Playa Tamarindo	Liberia → Huacas → Villareal → Tamarindo Santa Cruz → Villareal → Tamarindo	 	Right in front of a Surf Camp is the main beach in Tamarindo where the beginners learn to surf. It is usually small, knee to chest high, and when it is bigger closes out. It is best from mid to high tide.
Pico Pequeno	Liberia → Huacas → Villareal → Tamarindo Santa Cruz → Villareal → Tamarindo Right behind the Tamarindo Diria the beach is thinner and there are a string of rocks that go out about 150 yards.	 	Depending on the swell size and tide, a wave breaks off both sides of the rocks, producing lefts that go for about 200 meters or longer and rights about 100 meters. Watch out for rocks at lower tides and beginners at high tides. This spot is also localized, so respect the order in the lineup. Breaks best at head high to 2 feet overhead.

C) Langosta



Spotname	Access	Wavetype & best Tide	Description
Langosta	<p>Liberia → Huacas → Villareal → Tamarindo → Langosta</p> <p>Santa Cruz → Villareal → Tamarindo → Langosta</p>		<p>The waves break over a rocky shelf, with more sandy stretches to the south of the rivermouth. Watch for the boils at lower tides to find a hollow peak. Best size is chest high to 3 feet overhead, when it's bigger can close out. The main break is behind the Barcelo Langosta, but they have made it nearly impossible to park near there. You'll find a few spots to park about 200 meters north. The rights during a swell with a lot of west in it can go for over 200 meters. The crowds are a bit lighter here due to the poor access.</p>

D) Playa Avellanas (6 Spots)




Spotname	Access	Wavetype & best Tide	Description
Little Hawaii	<p>From Tamarindo drive via Vila Real, follow the road signs to Hacienda Pinilla, then to Playa Avellanas</p> <p>Walk from Las Avellanas Villas or Lola's Parking Lot to the northern end of Playa Avellanas, well past the rivermouth</p>		<p>Reef that breaks at the very north end of the beach. Always holds bigger swells and low tide it the best time to surf here.</p> <p>At the northern end of Playa Avellanas, well past the rivermouth, are a series of rock outcroppings that at the right tide produce a great righthander. It's best when many other spots are closing out because it is too big. Very remote so do not get injured, and don't leave your stuff unattended.</p>



Spotname	Access	Wavetype & best Tide	Description
El Estero	<p>From Tamarindo drive via Vila Real, follow the road signs to Hacienda Pinilla, then to Playa Avellanas</p> <p>Short walk (15min) from Las Avellanas Villas or Lola's Parking Lot</p>		<p>Rivermouth lefts and rights. Breaks best on a dead low incoming tide. Has a rocky bottom. Big swells can hold up to a 10'. A frame with long rights and left barrels.</p>






Spotname	Access	Wavetype & best Tide	Description
Palo Seco	<p>From Tamarindo drive via Vila Real, follow the road signs to Hacienda Pinilla, then to Playa Avellans</p> <p>Short walk (15min) from Las Avellanas Villas or Lola's Parking Lot</p>		<p>Consistent beachbreak that can provide fun lefts and rights.</p> <p>The waves are often crowded with surf-schools and longboarders when it's small.</p> <p>Works best from mid- to hightide.</p>







Spotname	Access	Wavetype & best Tide	Description
Lola's	<p>From Tamarindo drive via Vila Real, follow the road signs to Hacienda Pinilla, then to Playa Avellans</p> <p>Short walk from Las Avellanas Villas. Right in front of the famous Restaurant Lola's.</p>		<p>Beachbreak with fun left and right peaks.</p> <p>The main-peak is busy with local rippers so show respect.</p> <p>Always fun.</p> <p>Higher tides are best.</p>




Spotname	Access	Wavetype & best Tide	Description
La Purruja	From Tamarindo drive via Vila Real, follow the road signs to Hacienda Pinilla, then to Playa Avellans . The wave breaks on the reef right in front of the Lola's parking lot.	  	This is the wave of the locals of Avellanas so give them respect and don't drop in!. The wave breaks hollow over uneven Reef. Always fun but crowded when it's on.



Spotname	Access	Wavetype & best Tide	Description
El Golfo Pérsico	From Tamarindo drive via Vila Real, follow the road signs to Hacienda Pinilla, then to Playa Avellans . You can see the outer reef wave if you look from the parking lot to the left. Walk to the south end of the beach and paddle out carefully from the big rock.	   	Outside reef. The best time to surf is low tide rising. There is a long left and a shorter, more shallow right. The paddeling out takes around 20 minutes. Safe some Enrgy for the paddle back to shore , especially when the offshore winds are blowing hard.

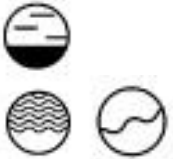
E) Playa Negra



Spotname	Access	Wavetype & best Tide	Description
Playa Negra	From Tamarindo drive via Vila Real, follow the road signs to Hacienda Pinilla, then to Playa Avellans from where it's another 4 km to Playa Negra		Negra is a mostly right breaking wave and offers a great tuberde. The water is a deep blue, and the barrels are formed perfectly when the tide and swell are right. It works best from head high to double overhead, any bigger and it closes out. Low tide is a bit sketchy. Don't leave stuff in your vehicle as theft is rampant. Best tide to surf for many is lower to mid tides, but at high tide can also be fun if there is some swell.

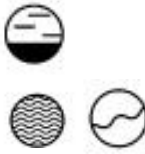
C) Junquillal



Spotname	Access	Wavetype & best Tide	Description
Junquillal	From Avellanas or Playa Negra drive south. The Beach is located 3 km south of the village Paraiso.		A remote stretch of salt & pepper sand offers tubular waves south of Playa Negra . Higher tide and offshore winds are best. There is a don't drop in attitude amongst the tubeseekers. Respect the locals and don't leave anything unattended in your car.

F) Marbella



Spotname	Access	Wavetype & best Tide	Description
<p>Marbella</p>	<p>Avellanas → Playa Negra → Paraiso in Direction Santa Cruz →</p> <ul style="list-style-type: none"> • Turn rightg just after Las Tucas restaurant (signs will say Lagarto, Marbella and Ostional). Head south for 10 miles to Lagarto fishing village. Passing Lagarto (5 miles) you will find Marbella Town. 		<p>This beach has two main breaks. A beachbreak to the north that works best at mid to high tides and can break bigger when other spots are small. It also gets hollow and can provide some quick rights. The second break to the south is a left point break off a rock shelf that works best at lower tides. Waves can go for about 200 yards with a big shoulder for cutbacks. Crowd is usually heavier at the beachbreak and there a lot of locals that surf it so give them respect.</p>

G) Mareas 2013

ENERO 2013	High	Low	High	Low	High	Moon Phase
Tue 01	05:10 8.69 ft	11:16 0.25 ft	17:38 8.76 ft	23:37 0.84 ft		
Wed 02	05:49 8.49 ft	11:53 0.39 ft	18:16 8.73 ft			
Thu 03		00:18 0.90 ft	06:29 8.22 ft	12:32 0.58 ft	18:56 8.66 ft	
Fri 04		01:03 1.01 ft	07:13 7.94 ft	13:15 0.81 ft	19:41 8.57 ft	Last 1/4
Sat 05		01:51 1.13 ft	08:03 7.66 ft	14:03 1.03 ft	20:33 8.49 ft	
Sun 06		02:47 1.21 ft	09:01 7.47 ft	14:59 1.22 ft	21:31 8.46 ft	
Mon 07		03:49 1.18 ft	10:06 7.43 ft	16:03 1.29 ft	22:35 8.55 ft	
Tue 08		04:55 0.99 ft	11:14 7.63 ft	17:11 1.18 ft	23:41 8.80 ft	
Wed 09		06:01 0.60 ft	12:21 8.06 ft	18:18 0.86 ft		
Thu 10	00:44 9.17 ft	07:02 0.10 ft	13:22 8.63 ft	19:21 0.42 ft		
Fri 11	01:42 9.58 ft	07:59 -0.42 ft	14:18 9.22 ft	20:20 -0.03 ft		New Moon
Sat 12	02:37 9.92 ft	08:51 -0.85 ft	15:11 9.72 ft	21:13 -0.38 ft		
Sun 13	03:29 10.11 ft	09:41 -1.11 ft	16:01 10.05 ft	22:05 -0.56 ft		
Mon 14	04:18 10.10 ft	10:29 -1.14 ft	16:49 10.15 ft	22:54 -0.53 ft		
Tue 15	05:07 9.86 ft	11:15 -0.93 ft	17:37 10.01 ft	23:43 -0.28 ft		
Wed 16	05:55 9.42 ft	12:01 -0.52 ft	18:24 9.66 ft			
Thu 17		00:31 0.13 ft	06:43 8.83 ft	12:47 0.06 ft	19:12 9.17 ft	
Fri 18		01:21 0.64 ft	07:33 8.17 ft	13:34 0.71 ft	20:01 8.61 ft	First 1/4
Sat 19		02:12 1.16 ft	08:26 7.54 ft	14:24 1.36 ft	20:54 8.09 ft	
Sun 20		03:08 1.60 ft	09:24 7.02 ft	15:18 1.91 ft	21:50 7.68 ft	
Mon 21		04:09 1.87 ft	10:27 6.72 ft	16:19 2.28 ft	22:50 7.47 ft	
Tue 22		05:13 1.92 ft	11:32 6.68 ft	17:23 2.39 ft	23:49 7.47 ft	
Wed 23		06:12 1.75 ft	12:31 6.89 ft	18:23 2.26 ft		
Thu 24	00:43 7.65 ft	07:04 1.43 ft	13:21 7.24 ft	19:15 1.95 ft		
Fri 25	01:31 7.94 ft	07:49 1.05 ft	14:06 7.67 ft	20:01 1.55 ft		
Sat 26	02:15 8.27 ft	08:28 0.65 ft	14:46 8.12 ft	20:42 1.12 ft		Full Moon
Sun 27	02:55 8.57 ft	09:05 0.31 ft	15:23 8.52 ft	21:21 0.73 ft		
Mon 28	03:33 8.79 ft	09:41 0.04 ft	15:59 8.86 ft	21:59 0.42 ft		
Tue 29	04:11 8.91 ft	10:16 -0.12 ft	16:35 9.09 ft	22:36 0.21 ft		
Wed 30	04:48 8.91 ft	10:51 -0.18 ft	17:11 9.22 ft	23:15 0.12 ft		
Thu 31	05:26 8.79 ft	11:28 -0.12 ft	17:49 9.22 ft	23:54 0.16 ft		

FEBRERO 2013	High	Low	High	Low	High	MoonPhase
Fri 01	06:05 8.56 ft	12:07 0.05 ft	18:29 9.12 ft			
Sat 02		00:37 0.31 ft	06:48 8.25 ft	12:49 0.32 ft	19:13 8.91 ft	
Sun 03		01:25 0.55 ft	07:37 7.89 ft	13:37 0.65 ft	20:04 8.63 ft	Last 1/4
Mon 04		02:19 0.81 ft	08:34 7.56 ft	14:33 1.00 ft	21:04 8.37 ft	
Tue 05		03:21 1.01 ft	09:41 7.37 ft	15:40 1.25 ft	22:12 8.23 ft	
Wed 06		04:31 1.02 ft	10:54 7.45 ft	16:53 1.27 ft	23:23 8.32 ft	
Thu 07		05:42 0.77 ft	12:05 7.82 ft	18:06 0.99 ft		
Fri 08	00:31 8.62 ft	06:48 0.32 ft	13:09 8.40 ft	19:12 0.52 ft		
Sat 09	01:31 9.04 ft	07:45 -0.20 ft	14:05 9.03 ft	20:10 0.00 ft		
Sun 10	02:25 9.43 ft	08:37 -0.66 ft	14:56 9.56 ft	21:02 -0.42 ft		New Moon
Mon 11	03:15 9.68 ft	09:24 -0.95 ft	15:43 9.90 ft	21:49 -0.67 ft		
Tue 12	04:02 9.74 ft	10:09 -1.03 ft	16:28 10.01 ft	22:35 -0.69 ft		
Wed 13	04:47 9.58 ft	10:52 -0.87 ft	17:11 9.88 ft	23:19 -0.49 ft		
Thu 14	05:30 9.21 ft	11:33 -0.50 ft	17:54 9.53 ft			
Fri 15		00:02 -0.12 ft	06:14 8.69 ft	12:14 0.03 ft	18:37 9.02 ft	
Sat 16		00:45 0.38 ft	06:58 8.07 ft	12:56 0.66 ft	19:21 8.43 ft	
Sun 17		01:30 0.92 ft	07:46 7.44 ft	13:41 1.31 ft	20:08 7.84 ft	First 1/4
Mon 18		02:20 1.44 ft	08:39 6.88 ft	14:32 1.89 ft	21:02 7.34 ft	
Tue 19		03:17 1.83 ft	09:41 6.51 ft	15:31 2.31 ft	22:03 7.02 ft	
Wed 20		04:22 2.00 ft	10:48 6.40 ft	16:39 2.46 ft	23:08 6.96 ft	
Thu 21		05:28 1.92 ft	11:53 6.59 ft	17:47 2.31 ft		
Fri 22	00:09 7.15 ft	06:26 1.61 ft	12:47 7.00 ft	18:45 1.92 ft		
Sat 23	01:01 7.51 ft	07:14 1.19 ft	13:34 7.52 ft	19:33 1.39 ft		
Sun 24	01:47 7.93 ft	07:56 0.72 ft	14:14 8.08 ft	20:15 0.83 ft		
Mon 25	02:29 8.35 ft	08:35 0.27 ft	14:52 8.61 ft	20:55 0.30 ft		Full Moon
Tue 26	03:08 8.70 ft	09:11 -0.11 ft	15:29 9.06 ft	21:33 -0.14 ft		
Wed 27	03:46 8.95 ft	09:48 -0.39 ft	16:06 9.40 ft	22:11 -0.44 ft		
Thu 28	04:24 9.06 ft	10:25 -0.54 ft	16:43 9.58 ft	22:50 -0.57 ft		

MARZO 2013	High	Low	High	Low	High	MoonPhase
Fri 01	05:03 9.01 ft	11:03 -0.53 ft	17:23 9.58 ft	23:31 -0.52 ft		
Sat 02	05:44 8.82 ft	11:44 -0.35 ft	18:05 9.40 ft			
Sun 03		00:15 -0.30 ft	06:29 8.50 ft	12:29 -0.02 ft	18:51 9.05 ft	
Mon 04		01:04 0.06 ft	07:19 8.09 ft	13:19 0.41 ft	19:44 8.61 ft	Last 1/4
Tue 05		01:58 0.47 ft	08:18 7.68 ft	14:18 0.87 ft	20:46 8.17 ft	
Wed 06		03:02 0.83 ft	09:26 7.43 ft	15:27 1.20 ft	21:57 7.89 ft	
Thu 07		04:14 0.98 ft	10:41 7.46 ft	16:44 1.25 ft	23:11 7.90 ft	
Fri 08		05:27 0.83 ft	11:52 7.80 ft	17:59 0.97 ft		
Sat 09	00:19 8.16 ft	06:33 0.46 ft	12:54 8.33 ft	19:03 0.49 ft		
Sun 10	01:19 8.55 ft	07:30 0.01 ft	13:49 8.89 ft	19:58 -0.01 ft		
Mon 11	02:11 8.92 ft	08:19 -0.38 ft	14:37 9.35 ft	20:46 -0.41 ft		New Moon
Tue 12	02:58 9.18 ft	09:04 -0.62 ft	15:21 9.63 ft	21:31 -0.64 ft		
Wed 13	03:42 9.26 ft	09:46 -0.69 ft	16:03 9.70 ft	22:12 -0.68 ft		
Thu 14	04:24 9.16 ft	10:26 -0.55 ft	16:43 9.57 ft	22:52 -0.53 ft		
Fri 15	05:05 8.89 ft	11:05 -0.24 ft	17:23 9.24 ft	23:31 -0.21 ft		
Sat 16	05:45 8.47 ft	11:43 0.20 ft	18:02 8.78 ft			
Sun 17		00:11 0.22 ft	06:27 7.96 ft	12:23 0.74 ft	18:43 8.23 ft	
Mon 18		00:53 0.72 ft	07:11 7.42 ft	13:05 1.30 ft	19:27 7.67 ft	
Tue 19		01:38 1.21 ft	08:00 6.93 ft	13:53 1.82 ft	20:18 7.16 ft	First 1/4
Wed 20		02:30 1.64 ft	08:58 6.57 ft	14:50 2.21 ft	21:18 6.80 ft	
Thu 21		03:31 1.90 ft	10:02 6.45 ft	15:57 2.36 ft	22:24 6.69 ft	
Fri 22		04:37 1.93 ft	11:07 6.60 ft	17:06 2.21 ft	23:28 6.84 ft	
Sat 23		05:38 1.71 ft	12:04 7.00 ft	18:06 1.79 ft		
Sun 24	00:24 7.20 ft	06:30 1.31 ft	12:52 7.54 ft	18:57 1.21 ft		
Mon 25	01:13 7.66 ft	07:16 0.83 ft	13:36 8.15 ft	19:42 0.58 ft		
Tue 26	01:56 8.16 ft	07:57 0.33 ft	14:16 8.76 ft	20:24 -0.03 ft		
Wed 27	02:38 8.61 ft	08:37 -0.13 ft	14:56 9.29 ft	21:04 -0.53 ft		Full Moon
Thu 28	03:18 8.96 ft	09:17 -0.49 ft	15:35 9.67 ft	21:45 -0.88 ft		
Fri 29	03:59 9.17 ft	09:58 -0.69 ft	16:17 9.87 ft	22:27 -1.03 ft		
Sat 30	04:41 9.21 ft	10:41 -0.70 ft	16:59 9.84 ft	23:10 -0.96 ft		
Sun 31	05:26 9.07 ft	11:26 -0.52 ft	17:45 9.59 ft	23:57 -0.69 ft		

ABRIL 2013	High	Low	High	Low	High	MoonPhase
Mon 01	06:14 8.77 ft	12:14 -0.15 ft	18:35 9.15 ft			
Tue 02		00:48 -0.27 ft	07:07 8.38 ft	13:08 0.32 ft	19:31 8.61 ft	Last 1/4
Wed 03		01:44 0.23 ft	08:08 8.00 ft	14:10 0.80 ft	20:35 8.09 ft	
Thu 04		02:48 0.66 ft	09:16 7.75 ft	15:21 1.12 ft	21:46 7.76 ft	
Fri 05		03:59 0.90 ft	10:28 7.75 ft	16:37 1.16 ft	22:58 7.70 ft	
Sat 06		05:10 0.88 ft	11:36 8.01 ft	17:48 0.92 ft		
Sun 07	00:05 7.88 ft	06:14 0.66 ft	12:36 8.40 ft	18:49 0.53 ft		
Mon 08	01:03 8.18 ft	07:09 0.37 ft	13:28 8.80 ft	19:41 0.13 ft		
Tue 09	01:53 8.47 ft	07:57 0.11 ft	14:14 9.12 ft	20:27 -0.18 ft		
Wed 10	02:39 8.68 ft	08:41 -0.05 ft	14:57 9.31 ft	21:09 -0.37 ft		New Moon
Thu 11	03:21 8.78 ft	09:21 -0.08 ft	15:37 9.34 ft	21:48 -0.42 ft		
Fri 12	04:01 8.74 ft	09:59 0.02 ft	16:15 9.22 ft	22:26 -0.32 ft		
Sat 13	04:40 8.58 ft	10:37 0.24 ft	16:53 8.97 ft	23:03 -0.10 ft		
Sun 14	05:19 8.31 ft	11:15 0.57 ft	17:31 8.60 ft	23:41 0.23 ft		
Mon 15	06:00 7.96 ft	11:54 0.96 ft	18:11 8.16 ft			
Tue 16		00:21 0.62 ft	06:42 7.57 ft	12:36 1.39 ft	18:54 7.68 ft	
Wed 17		01:04 1.05 ft	07:29 7.21 ft	13:23 1.78 ft	19:42 7.23 ft	
Thu 18		01:52 1.43 ft	08:21 6.94 ft	14:16 2.07 ft	20:37 6.89 ft	First 1/4
Fri 19		02:46 1.72 ft	09:18 6.84 ft	15:17 2.18 ft	21:39 6.73 ft	
Sat 20		03:44 1.83 ft	10:18 6.96 ft	16:21 2.04 ft	22:42 6.80 ft	
Sun 21		04:44 1.73 ft	11:14 7.29 ft	17:21 1.67 ft	23:40 7.09 ft	
Mon 22		05:39 1.43 ft	12:06 7.79 ft	18:15 1.12 ft		
Tue 23	00:32 7.53 ft	06:30 1.00 ft	12:53 8.39 ft	19:04 0.50 ft		
Wed 24	01:20 8.05 ft	07:17 0.51 ft	13:38 8.99 ft	19:50 -0.12 ft		
Thu 25	02:06 8.56 ft	08:03 0.03 ft	14:22 9.53 ft	20:35 -0.65 ft		Full Moon
Fri 26	02:50 8.99 ft	08:48 -0.36 ft	15:07 9.92 ft	21:20 -1.02 ft		
Sat 27	03:35 9.30 ft	09:34 -0.59 ft	15:52 10.10 ft	22:05 -1.19 ft		
Sun 28	04:22 9.44 ft	10:21 -0.64 ft	16:40 10.06 ft	22:53 -1.13 ft		
Mon 29	05:10 9.39 ft	11:11 -0.47 ft	17:29 9.78 ft	23:42 -0.87 ft		
Tue 30	06:02 9.19 ft	12:03 -0.14 ft	18:22 9.32 ft			



MAYO 2013	High	Low	High	Low	High	MoonPhase
Wed 01		00:34 -0.45 ft	06:57 8.88 ft	13:00 0.29 ft	19:19 8.77 ft	
Thu 02		01:31 0.05 ft	07:57 8.55 ft	14:03 0.72 ft	20:22 8.25 ft	Last Quarter
Fri 03		02:33 0.52 ft	09:02 8.31 ft	15:12 1.03 ft	21:31 7.86 ft	
Sat 04		03:39 0.85 ft	10:09 8.23 ft	16:23 1.11 ft	22:39 7.70 ft	
Sun 05		04:46 1.00 ft	11:13 8.31 ft	17:30 1.00 ft	23:44 7.74 ft	
Mon 06		05:48 0.99 ft	12:11 8.50 ft	18:29 0.76 ft		
Tue 07	00:41 7.89 ft	06:43 0.90 ft	13:02 8.71 ft	19:20 0.50 ft		
Wed 08	01:32 8.08 ft	07:31 0.79 ft	13:49 8.88 ft	20:05 0.28 ft		
Thu 09	02:17 8.26 ft	08:15 0.71 ft	14:31 8.99 ft	20:46 0.12 ft		New Moon
Fri 10	02:59 8.38 ft	08:55 0.68 ft	15:11 9.02 ft	21:24 0.04 ft		
Sat 11	03:39 8.43 ft	09:34 0.71 ft	15:49 8.96 ft	22:01 0.05 ft		
Sun 12	04:18 8.40 ft	10:12 0.81 ft	16:27 8.81 ft	22:38 0.15 ft		
Mon 13	04:57 8.29 ft	10:51 0.98 ft	17:05 8.57 ft	23:16 0.35 ft		
Tue 14	05:37 8.12 ft	11:30 1.21 ft	17:45 8.25 ft	23:55 0.62 ft		
Wed 15	06:18 7.91 ft	12:12 1.46 ft	18:26 7.89 ft			
Thu 16		00:35 0.94 ft	07:01 7.70 ft	12:57 1.70 ft	19:12 7.53 ft	
Fri 17		01:18 1.25 ft	07:47 7.54 ft	13:46 1.88 ft	20:01 7.22 ft	First 1/4
Sat 18		02:06 1.51 ft	08:36 7.47 ft	14:40 1.95 ft	20:56 7.03 ft	
Sun 19		02:57 1.67 ft	09:30 7.55 ft	15:37 1.86 ft	21:54 7.01 ft	
Mon 20		03:52 1.67 ft	10:24 7.79 ft	16:36 1.58 ft	22:53 7.19 ft	
Tue 21		04:48 1.50 ft	11:18 8.18 ft	17:33 1.14 ft	23:50 7.54 ft	
Wed 22		05:44 1.18 ft	12:11 8.67 ft	18:26 0.60 ft		
Thu 23	00:43 8.02 ft	06:38 0.76 ft	13:02 9.20 ft	19:18 0.03 ft		
Fri 24	01:35 8.54 ft	07:30 0.31 ft	13:52 9.69 ft	20:08 -0.50 ft		Full Moon
Sat 25	02:25 9.04 ft	08:22 -0.08 ft	14:42 10.07 ft	20:57 -0.89 ft		
Sun 26	03:15 9.45 ft	09:13 -0.36 ft	15:32 10.26 ft	21:47 -1.11 ft		
Mon 27	04:05 9.71 ft	10:05 -0.46 ft	16:23 10.24 ft	22:36 -1.13 ft		
Tue 28	04:57 9.79 ft	10:58 -0.39 ft	17:15 10.01 ft	23:27 -0.93 ft		
Wed 29	05:49 9.71 ft	11:53 -0.14 ft	18:09 9.59 ft			
Thu 30		00:20 -0.56 ft	06:44 9.48 ft	12:50 0.22 ft	19:05 9.07 ft	
Fri 31		01:15 -0.08 ft	07:41 9.18 ft	13:50 0.61 ft	20:05 8.53 ft	Last 1/4

JUNIO 2013	High	Low	High	Low	High	MoonPhase
Sat 01		02:13 0.43 ft	08:41 8.88 ft	14:53 0.96 ft	21:08 8.06 ft	
Sun 02		03:13 0.90 ft	09:43 8.64 ft	15:59 1.18 ft	22:13 7.74 ft	
Mon 03		04:15 1.25 ft	10:43 8.50 ft	17:03 1.24 ft	23:16 7.60 ft	
Tue 04		05:16 1.45 ft	11:41 8.47 ft	18:02 1.18 ft		
Wed 05	00:14 7.62 ft	06:12 1.53 ft	12:34 8.51 ft	18:55 1.03 ft		
Thu 06	01:07 7.74 ft	07:03 1.51 ft	13:21 8.59 ft	19:41 0.85 ft		
Fri 07	01:54 7.90 ft	07:49 1.45 ft	14:05 8.69 ft	20:23 0.66 ft		
Sat 08	02:37 8.09 ft	08:32 1.36 ft	14:46 8.76 ft	21:02 0.51 ft		New Moon
Sun 09	03:18 8.25 ft	09:12 1.28 ft	15:25 8.80 ft	21:39 0.41 ft		
Mon 10	03:57 8.37 ft	09:51 1.22 ft	16:04 8.77 ft	22:16 0.38 ft		
Tue 11	04:36 8.43 ft	10:30 1.22 ft	16:43 8.66 ft	22:53 0.45 ft		
Wed 12	05:14 8.43 ft	11:09 1.27 ft	17:22 8.48 ft	23:30 0.60 ft		
Thu 13	05:53 8.37 ft	11:49 1.36 ft	18:01 8.22 ft			
Fri 14		00:08 0.80 ft	06:32 8.28 ft	12:31 1.48 ft	18:43 7.94 ft	
Sat 15		00:47 1.04 ft	07:13 8.19 ft	13:16 1.59 ft	19:27 7.66 ft	
Sun 16		01:29 1.27 ft	07:57 8.14 ft	14:04 1.65 ft	20:16 7.44 ft	First 1/4
Mon 17		02:15 1.44 ft	08:46 8.15 ft	14:56 1.64 ft	21:10 7.32 ft	
Tue 18		03:07 1.54 ft	09:39 8.26 ft	15:54 1.50 ft	22:09 7.36 ft	
Wed 19		04:04 1.51 ft	10:36 8.49 ft	16:53 1.22 ft	23:10 7.59 ft	
Thu 20		05:05 1.33 ft	11:34 8.82 ft	17:52 0.80 ft		
Fri 21	00:10 7.99 ft	06:05 1.02 ft	12:32 9.24 ft	18:50 0.29 ft		
Sat 22	01:08 8.52 ft	07:05 0.61 ft	13:28 9.67 ft	19:45 -0.23 ft		
Sun 23	02:04 9.08 ft	08:02 0.19 ft	14:22 10.05 ft	20:38 -0.67 ft		Full Moon
Mon 24	02:57 9.59 ft	08:58 -0.16 ft	15:16 10.28 ft	21:30 -0.97 ft		
Tue 25	03:49 9.97 ft	09:52 -0.38 ft	16:08 10.34 ft	22:20 -1.08 ft		
Wed 26	04:41 10.17 ft	10:45 -0.41 ft	17:00 10.18 ft	23:11 -0.96 ft		
Thu 27	05:33 10.16 ft	11:38 -0.25 ft	17:52 9.83 ft			
Fri 28		00:01 -0.64 ft	06:25 9.96 ft	12:32 0.07 ft	18:46 9.32 ft	
Sat 29		00:53 -0.16 ft	07:18 9.62 ft	13:28 0.49 ft	19:41 8.73 ft	Last 1/4
Sun 30		01:46 0.42 ft	08:13 9.19 ft	14:26 0.94 ft	20:39 8.16 ft	

JULIO 2013	High	Low	High	Low	High	MoonPhase
Mon 01		02:41 1.02 ft	09:10 8.77 ft	15:26 1.32 ft	21:40 7.69 ft	
Tue 02		03:39 1.53 ft	10:09 8.43 ft	16:29 1.56 ft	22:43 7.39 ft	
Wed 03		04:40 1.90 ft	11:07 8.22 ft	17:30 1.62 ft	23:44 7.31 ft	
Thu 04		05:39 2.08 ft	12:03 8.16 ft	18:26 1.53 ft		
Fri 05	00:40 7.40 ft	06:35 2.08 ft	12:54 8.22 ft	19:15 1.34 ft		
Sat 06	01:31 7.62 ft	07:25 1.96 ft	13:40 8.36 ft	19:59 1.09 ft		
Sun 07	02:15 7.90 ft	08:10 1.75 ft	14:23 8.53 ft	20:39 0.84 ft		
Mon 08	02:56 8.19 ft	08:51 1.52 ft	15:03 8.69 ft	21:17 0.62 ft		New Moon
Tue 09	03:35 8.45 ft	09:30 1.30 ft	15:42 8.79 ft	21:53 0.47 ft		
Wed 10	04:12 8.66 ft	10:09 1.13 ft	16:21 8.81 ft	22:28 0.41 ft		
Thu 11	04:49 8.79 ft	10:47 1.03 ft	16:58 8.73 ft	23:04 0.45 ft		
Fri 12	05:25 8.83 ft	11:25 1.01 ft	17:36 8.56 ft	23:39 0.57 ft		
Sat 13	06:02 8.82 ft	12:04 1.05 ft	18:15 8.33 ft			
Sun 14		00:16 0.75 ft	06:40 8.75 ft	12:45 1.14 ft	18:56 8.06 ft	
Mon 15		00:56 0.96 ft	07:21 8.67 ft	13:30 1.25 ft	19:41 7.79 ft	First 1/4
Tue 16		01:40 1.17 ft	08:08 8.57 ft	14:21 1.35 ft	20:33 7.58 ft	
Wed 17		02:31 1.36 ft	09:01 8.51 ft	15:17 1.38 ft	21:33 7.49 ft	
Thu 18		03:29 1.48 ft	10:01 8.54 ft	16:20 1.27 ft	22:39 7.59 ft	
Fri 19		04:34 1.44 ft	11:06 8.71 ft	17:25 0.98 ft	23:46 7.93 ft	
Sat 20		05:42 1.20 ft	12:10 9.03 ft	18:28 0.54 ft		
Sun 21	00:49 8.47 ft	06:47 0.79 ft	13:10 9.44 ft	19:27 0.01 ft		
Mon 22	01:47 9.09 ft	07:48 0.31 ft	14:07 9.85 ft	20:22 -0.49 ft		Full Moon
Tue 23	02:41 9.68 ft	08:45 -0.14 ft	15:01 10.15 ft	21:14 -0.86 ft		
Wed 24	03:33 10.14 ft	09:38 -0.45 ft	15:53 10.28 ft	22:03 -1.03 ft		
Thu 25	04:23 10.39 ft	10:29 -0.56 ft	16:43 10.18 ft	22:51 -0.96 ft		
Fri 26	05:12 10.38 ft	11:19 -0.43 ft	17:32 9.87 ft	23:38 -0.65 ft		
Sat 27	06:00 10.14 ft	12:09 -0.11 ft	18:21 9.36 ft			
Sun 28		00:26 -0.15 ft	06:49 9.71 ft	12:59 0.37 ft	19:12 8.74 ft	
Mon 29		01:14 0.49 ft	07:40 9.16 ft	13:51 0.91 ft	20:05 8.09 ft	Last 1/4
Tue 30		02:05 1.16 ft	08:33 8.59 ft	14:47 1.42 ft	21:03 7.52 ft	
Wed 31		03:00 1.78 ft	09:30 8.10 ft	15:48 1.79 ft	22:06 7.13 ft	

AGOSTO 2013	High	Low	High	Low	High	MoonPhase
Thu 01		04:00 2.23 ft	10:29 7.78 ft	16:52 1.95 ft	23:11 7.00 ft	
Fri 02		05:05 2.44 ft	11:30 7.68 ft	17:53 1.89 ft		
Sat 03	00:11 7.11 ft	06:06 2.39 ft	12:25 7.78 ft	18:46 1.66 ft		
Sun 04	01:04 7.40 ft	07:00 2.16 ft	13:15 8.00 ft	19:33 1.34 ft		
Mon 05	01:50 7.78 ft	07:47 1.81 ft	13:59 8.29 ft	20:13 0.99 ft		
Tue 06	02:30 8.19 ft	08:28 1.42 ft	14:40 8.57 ft	20:50 0.67 ft		New Moon
Wed 07	03:08 8.57 ft	09:07 1.05 ft	15:19 8.79 ft	21:26 0.42 ft		
Thu 08	03:44 8.89 ft	09:44 0.75 ft	15:56 8.92 ft	22:01 0.26 ft		
Fri 09	04:20 9.11 ft	10:21 0.54 ft	16:33 8.93 ft	22:35 0.21 ft		
Sat 10	04:55 9.23 ft	10:58 0.45 ft	17:09 8.82 ft	23:10 0.26 ft		
Sun 11	05:31 9.25 ft	11:36 0.47 ft	17:47 8.62 ft	23:47 0.40 ft		
Mon 12	06:09 9.16 ft	12:16 0.59 ft	18:28 8.35 ft			
Tue 13		00:27 0.63 ft	06:50 8.98 ft	13:01 0.79 ft	19:13 8.04 ft	
Wed 14		01:12 0.91 ft	07:37 8.75 ft	13:51 1.02 ft	20:05 7.75 ft	First 1/4
Thu 15		02:04 1.21 ft	08:33 8.50 ft	14:49 1.22 ft	21:07 7.55 ft	
Fri 16		03:06 1.45 ft	09:37 8.35 ft	15:55 1.27 ft	22:17 7.58 ft	
Sat 17		04:16 1.50 ft	10:47 8.39 ft	17:05 1.09 ft	23:28 7.90 ft	
Sun 18		05:29 1.27 ft	11:55 8.66 ft	18:12 0.68 ft		
Mon 19	00:34 8.45 ft	06:37 0.81 ft	12:58 9.08 ft	19:12 0.16 ft		
Tue 20	01:32 9.11 ft	07:37 0.26 ft	13:55 9.52 ft	20:06 -0.36 ft		Full Moon
Wed 21	02:25 9.71 ft	08:32 -0.25 ft	14:46 9.87 ft	20:56 -0.74 ft		
Thu 22	03:14 10.16 ft	09:22 -0.59 ft	15:36 10.03 ft	21:43 -0.91 ft		
Fri 23	04:01 10.37 ft	10:10 -0.70 ft	16:22 9.97 ft	22:28 -0.84 ft		
Sat 24	04:47 10.32 ft	10:55 -0.57 ft	17:08 9.67 ft	23:12 -0.52 ft		
Sun 25	05:32 10.02 ft	11:41 -0.23 ft	17:54 9.19 ft	23:56 -0.01 ft		
Mon 26	06:17 9.52 ft	12:27 0.27 ft	18:41 8.58 ft			
Tue 27		00:40 0.63 ft	07:03 8.90 ft	13:14 0.85 ft	19:30 7.93 ft	
Wed 28		01:27 1.31 ft	07:53 8.26 ft	14:05 1.41 ft	20:25 7.35 ft	Last 1/4
Thu 29		02:20 1.93 ft	08:48 7.71 ft	15:03 1.86 ft	21:26 6.93 ft	
Fri 30		03:20 2.39 ft	09:49 7.33 ft	16:07 2.10 ft	22:33 6.79 ft	
Sat 31		04:28 2.59 ft	10:54 7.21 ft	17:13 2.08 ft	23:37 6.92 ft	

SEPTIEMBRE 2013	High	Low	High	Low	High	MoonPhase
Sun 01		05:35 2.48 ft	11:54 7.35 ft	18:11 1.84 ft		
Mon 02	00:31 7.27 ft	06:32 2.13 ft	12:46 7.65 ft	18:59 1.48 ft		
Tue 03	01:18 7.73 ft	07:19 1.66 ft	13:32 8.03 ft	19:41 1.07 ft		
Wed 04	01:58 8.23 ft	08:01 1.15 ft	14:13 8.40 ft	20:18 0.68 ft		
Thu 05	02:36 8.70 ft	08:39 0.67 ft	14:52 8.73 ft	20:54 0.34 ft		New Moon
Fri 06	03:12 9.10 ft	09:16 0.27 ft	15:29 8.95 ft	21:29 0.10 ft		
Sat 07	03:47 9.40 ft	09:53 -0.01 ft	16:06 9.05 ft	22:05 -0.03 ft		
Sun 08	04:23 9.57 ft	10:30 -0.15 ft	16:43 9.02 ft	22:42 -0.03 ft		
Mon 09	05:01 9.58 ft	11:09 -0.12 ft	17:22 8.86 ft	23:21 0.10 ft		
Tue 10	05:40 9.44 ft	11:51 0.05 ft	18:04 8.60 ft			
Wed 11		00:04 0.36 ft	06:24 9.15 ft	12:36 0.34 ft	18:52 8.26 ft	
Thu 12		00:51 0.72 ft	07:14 8.77 ft	13:28 0.70 ft	19:47 7.92 ft	First 1/4
Fri 13		01:47 1.11 ft	08:13 8.37 ft	14:28 1.03 ft	20:51 7.69 ft	
Sat 14		02:53 1.41 ft	09:21 8.09 ft	15:37 1.20 ft	22:04 7.69 ft	
Sun 15		04:07 1.47 ft	10:34 8.06 ft	16:49 1.10 ft	23:16 8.00 ft	
Mon 16		05:22 1.21 ft	11:44 8.31 ft	17:56 0.76 ft		
Tue 17	00:20 8.54 ft	06:28 0.73 ft	12:46 8.72 ft	18:56 0.30 ft		
Wed 18	01:17 9.13 ft	07:26 0.18 ft	13:41 9.14 ft	19:48 -0.14 ft		
Thu 19	02:07 9.66 ft	08:17 -0.29 ft	14:31 9.47 ft	20:36 -0.46 ft		Full Moon
Fri 20	02:54 10.01 ft	09:04 -0.59 ft	15:17 9.63 ft	21:20 -0.58 ft		
Sat 21	03:38 10.14 ft	09:48 -0.68 ft	16:01 9.58 ft	22:03 -0.49 ft		
Sun 22	04:21 10.03 ft	10:31 -0.55 ft	16:44 9.34 ft	22:44 -0.19 ft		
Mon 23	05:02 9.71 ft	11:12 -0.23 ft	17:27 8.93 ft	23:25 0.27 ft		
Tue 24	05:44 9.22 ft	11:54 0.23 ft	18:10 8.41 ft			
Wed 25		00:08 0.84 ft	06:27 8.62 ft	12:38 0.77 ft	18:57 7.85 ft	
Thu 26		00:52 1.44 ft	07:14 8.01 ft	13:25 1.31 ft	19:48 7.33 ft	Last 1/4
Fri 27		01:42 1.99 ft	08:06 7.45 ft	14:18 1.78 ft	20:46 6.95 ft	
Sat 28		02:41 2.40 ft	09:07 7.06 ft	15:19 2.08 ft	21:51 6.81 ft	
Sun 29		03:48 2.57 ft	10:12 6.91 ft	16:24 2.14 ft	22:54 6.93 ft	
Mon 30		04:56 2.43 ft	11:15 7.03 ft	17:24 1.97 ft	23:50 7.28 ft	

OCTUBRE 2013	High	Low	High	Low	High	MoonPhase
Tue 01		05:55 2.05 ft	12:11 7.34 ft	18:16 1.63 ft		
Wed 02	00:38 7.76 ft	06:44 1.52 ft	12:58 7.75 ft	19:00 1.22 ft		
Thu 03	01:20 8.29 ft	07:27 0.95 ft	13:41 8.19 ft	19:41 0.78 ft		
Fri 04	01:59 8.82 ft	08:07 0.39 ft	14:21 8.60 ft	20:19 0.37 ft		New Moon
Sat 05	02:37 9.29 ft	08:46 -0.08 ft	15:00 8.92 ft	20:57 0.05 ft		
Sun 06	03:15 9.65 ft	09:25 -0.42 ft	15:39 9.13 ft	21:36 -0.16 ft		
Mon 07	03:54 9.85 ft	10:04 -0.60 ft	16:19 9.20 ft	22:17 -0.21 ft		
Tue 08	04:35 9.86 ft	10:46 -0.58 ft	17:01 9.12 ft	23:00 -0.09 ft		
Wed 09	05:18 9.67 ft	11:30 -0.38 ft	17:47 8.91 ft	23:46 0.18 ft		
Thu 10	06:06 9.31 ft	12:18 -0.04 ft	18:38 8.60 ft			
Fri 11		00:38 0.57 ft	06:59 8.83 ft	13:12 0.39 ft	19:35 8.27 ft	First 1/4
Sat 12		01:37 0.99 ft	08:00 8.35 ft	14:13 0.80 ft	20:40 8.04 ft	
Sun 13		02:45 1.29 ft	09:09 8.00 ft	15:21 1.06 ft	21:51 8.03 ft	
Mon 14		03:59 1.35 ft	10:22 7.90 ft	16:32 1.07 ft	23:00 8.27 ft	
Tue 15		05:12 1.12 ft	11:31 8.07 ft	17:38 0.87 ft		
Wed 16	00:03 8.67 ft	06:17 0.71 ft	12:32 8.39 ft	18:37 0.56 ft		
Thu 17	00:57 9.11 ft	07:12 0.26 ft	13:25 8.73 ft	19:29 0.27 ft		
Fri 18	01:47 9.48 ft	08:01 -0.11 ft	14:13 8.99 ft	20:15 0.06 ft		Full Moon
Sat 19	02:32 9.71 ft	08:45 -0.35 ft	14:58 9.13 ft	20:58 -0.01 ft		
Sun 20	03:14 9.77 ft	09:27 -0.42 ft	15:40 9.13 ft	21:39 0.08 ft		
Mon 21	03:55 9.65 ft	10:07 -0.33 ft	16:21 8.98 ft	22:19 0.30 ft		
Tue 22	04:34 9.38 ft	10:46 -0.09 ft	17:02 8.70 ft	22:58 0.65 ft		
Wed 23	05:14 8.97 ft	11:25 0.26 ft	17:44 8.34 ft	23:39 1.07 ft		
Thu 24	05:56 8.48 ft	12:06 0.69 ft	18:28 7.94 ft			
Fri 25		00:22 1.52 ft	06:39 7.96 ft	12:50 1.15 ft	19:15 7.55 ft	
Sat 26		01:10 1.95 ft	07:28 7.47 ft	13:37 1.57 ft	20:08 7.25 ft	Last 1/4
Sun 27		02:04 2.27 ft	08:24 7.07 ft	14:31 1.90 ft	21:05 7.10 ft	
Mon 28		03:05 2.42 ft	09:25 6.86 ft	15:30 2.07 ft	22:04 7.16 ft	
Tue 29		04:09 2.32 ft	10:28 6.88 ft	16:29 2.03 ft	23:00 7.43 ft	
Wed 30		05:09 2.00 ft	11:26 7.12 ft	17:24 1.80 ft	23:51 7.85 ft	
Thu 31		06:02 1.50 ft	12:17 7.50 ft	18:14 1.43 ft		

NOVIEMBRE 2013	High	Low	High	Low	High	MoonPhase
Fri 01	00:37 8.37 ft	06:49 0.93 ft	13:04 7.96 ft	18:59 0.99 ft		
Sat 02	01:20 8.92 ft	07:33 0.34 ft	13:48 8.43 ft	19:43 0.54 ft		
Sun 03	02:03 9.43 ft	08:15 -0.18 ft	14:31 8.86 ft	20:26 0.15 ft		New Moon
Mon 04	02:45 9.83 ft	08:58 -0.59 ft	15:14 9.20 ft	21:11 -0.14 ft		
Tue 05	03:28 10.06 ft	09:42 -0.83 ft	15:58 9.41 ft	21:56 -0.26 ft		
Wed 06	04:13 10.10 ft	10:27 -0.87 ft	16:44 9.45 ft	22:43 -0.21 ft		
Thu 07	05:01 9.91 ft	11:14 -0.71 ft	17:33 9.35 ft	23:34 0.02 ft		
Fri 08	05:52 9.54 ft	12:04 -0.38 ft	18:26 9.12 ft			
Sat 09		00:28 0.37 ft	06:46 9.05 ft	12:58 0.06 ft	19:23 8.84 ft	First 1/4
Sun 10		01:28 0.76 ft	07:47 8.53 ft	13:57 0.51 ft	20:26 8.60 ft	
Mon 11		02:35 1.07 ft	08:54 8.11 ft	15:02 0.88 ft	21:33 8.48 ft	
Tue 12		03:46 1.20 ft	10:03 7.89 ft	16:09 1.08 ft	22:39 8.54 ft	
Wed 13		04:55 1.11 ft	11:11 7.89 ft	17:14 1.10 ft	23:40 8.72 ft	
Thu 14		05:59 0.87 ft	12:12 8.04 ft	18:14 1.00 ft		
Fri 15	00:35 8.95 ft	06:54 0.57 ft	13:07 8.26 ft	19:07 0.86 ft		
Sat 16	01:25 9.15 ft	07:43 0.31 ft	13:55 8.47 ft	19:54 0.75 ft		
Sun 17	02:10 9.29 ft	08:26 0.11 ft	14:40 8.63 ft	20:37 0.69 ft		Full Moon
Mon 18	02:52 9.33 ft	09:07 0.01 ft	15:21 8.70 ft	21:18 0.71 ft		
Tue 19	03:32 9.26 ft	09:45 0.01 ft	16:02 8.69 ft	21:57 0.80 ft		
Wed 20	04:11 9.10 ft	10:23 0.11 ft	16:42 8.59 ft	22:36 0.97 ft		
Thu 21	04:50 8.84 ft	11:01 0.31 ft	17:22 8.42 ft	23:16 1.20 ft		
Fri 22	05:29 8.50 ft	11:39 0.59 ft	18:02 8.20 ft	23:57 1.47 ft		
Sat 23	06:11 8.11 ft	12:19 0.92 ft	18:45 7.95 ft			
Sun 24		00:42 1.74 ft	06:55 7.70 ft	13:02 1.28 ft	19:30 7.73 ft	
Mon 25		01:29 1.97 ft	07:43 7.33 ft	13:47 1.60 ft	20:19 7.59 ft	Last 1/4
Tue 26		02:22 2.11 ft	08:37 7.05 ft	14:37 1.84 ft	21:11 7.56 ft	
Wed 27		03:19 2.11 ft	09:35 6.93 ft	15:31 1.94 ft	22:06 7.69 ft	
Thu 28		04:17 1.92 ft	10:34 7.01 ft	16:28 1.86 ft	23:00 7.99 ft	
Fri 29		05:14 1.55 ft	11:32 7.29 ft	17:24 1.62 ft	23:52 8.41 ft	
Sat 30		06:08 1.05 ft	12:25 7.71 ft	18:18 1.23 ft		

DICIEMBRE 2013	High	Low	High	Low	High	MoonPhase
Sun 01	00:42 8.91 ft	06:59 0.48 ft	13:15 8.23 ft	19:09 0.77 ft		
Mon 02	01:31 9.42 ft	07:47 -0.08 ft	14:04 8.77 ft	20:00 0.31 ft		New Moon
Tue 03	02:20 9.85 ft	08:35 -0.57 ft	14:52 9.25 ft	20:50 -0.07 ft		
Wed 04	03:08 10.15 ft	09:22 -0.90 ft	15:40 9.62 ft	21:40 -0.31 ft		
Thu 05	03:57 10.25 ft	10:10 -1.05 ft	16:30 9.83 ft	22:30 -0.37 ft		
Fri 06	04:47 10.15 ft	10:59 -0.99 ft	17:20 9.86 ft	23:23 -0.25 ft		
Sat 07	05:38 9.83 ft	11:49 -0.73 ft	18:13 9.72 ft			
Sun 08		00:17 0.02 ft	06:33 9.37 ft	12:42 -0.31 ft	19:08 9.46 ft	
Mon 09		01:15 0.40 ft	07:30 8.81 ft	13:38 0.20 ft	20:06 9.13 ft	First 1/4
Tue 10		02:17 0.78 ft	08:32 8.28 ft	14:37 0.71 ft	21:07 8.83 ft	
Wed 11		03:22 1.08 ft	09:38 7.87 ft	15:40 1.13 ft	22:10 8.63 ft	
Thu 12		04:30 1.21 ft	10:44 7.65 ft	16:45 1.40 ft	23:12 8.54 ft	
Fri 13		05:35 1.18 ft	11:48 7.63 ft	17:47 1.51 ft		
Sat 14	00:10 8.56 ft	06:33 1.03 ft	12:45 7.75 ft	18:43 1.49 ft		
Sun 15	01:02 8.65 ft	07:23 0.82 ft	13:37 7.94 ft	19:33 1.40 ft		
Mon 16	01:49 8.75 ft	08:08 0.61 ft	14:22 8.15 ft	20:18 1.29 ft		
Tue 17	02:32 8.84 ft	08:48 0.43 ft	15:04 8.35 ft	21:00 1.17 ft		Full Moon
Wed 18	03:12 8.89 ft	09:26 0.30 ft	15:44 8.50 ft	21:39 1.09 ft		
Thu 19	03:51 8.88 ft	10:03 0.24 ft	16:22 8.59 ft	22:17 1.06 ft		
Fri 20	04:29 8.79 ft	10:39 0.28 ft	17:00 8.60 ft	22:56 1.09 ft		
Sat 21	05:07 8.61 ft	11:15 0.41 ft	17:37 8.53 ft	23:34 1.18 ft		
Sun 22	05:46 8.35 ft	11:51 0.62 ft	18:15 8.41 ft			
Mon 23		00:14 1.32 ft	06:25 8.02 ft	12:29 0.90 ft	18:54 8.25 ft	
Tue 24		00:56 1.49 ft	07:07 7.68 ft	13:09 1.19 ft	19:36 8.10 ft	
Wed 25		01:42 1.64 ft	07:53 7.35 ft	13:52 1.46 ft	20:22 7.99 ft	Last 1/4
Thu 26		02:32 1.73 ft	08:45 7.12 ft	14:41 1.66 ft	21:13 7.97 ft	
Fri 27		03:27 1.71 ft	09:42 7.02 ft	15:36 1.74 ft	22:10 8.07 ft	
Sat 28		04:27 1.53 ft	10:45 7.14 ft	16:37 1.65 ft	23:09 8.33 ft	
Sun 29		05:28 1.17 ft	11:47 7.48 ft	17:40 1.38 ft		
Mon 30	00:08 8.72 ft	06:27 0.67 ft	12:46 8.01 ft	18:41 0.94 ft		
Tue 31	01:05 9.20 ft	07:22 0.08 ft	13:41 8.64 ft	19:40 0.36 ft		

H) Symbols

Tides

Indicates the presence of rideable waves, at relevant tidal stages.



All tides



Low only



High only



Mid tide



Not low



Not high

Optimum tide, if more specific, is usually referred to in the text.

Wave Direction and Type

Wave direction is indicated by the direction of the lines.

Rights

R&L Peak

Lefts



Consistent peak over either sand or reef



Man-made break - Eg groyne, jetty or pier



Pointbreak



Rivermouth or other similar feature



Beachbreak with shifting peaks

Land features are indicated by the shape of the solid part of the symbol.

Bottom Type



Sand



**Flat
rock
shelf**



+ sand



**Uneven
reef**



+ sand



**Cobblestone
or boulder
reef**



+ sand

