



Legend

- Pale Blue: Spawning may be possible but more data are needed
- Pale Yellow: Spawning is possible - has been observed on these dates
- Orange: Spawning is likely - often observed on these dates
- Green: Spawning is very likely - reliably observed on these dates
- Dark green: Spawning possible - monitored the year before but no spawning observed

May Corals			Full moon	15-May					
			Days AFM	9	10	11	12	13	
			Calendar Date	24-May	25-May	26-May	27-May	28-May	
		Sunset Time	18:12	18:12	18:13	18:13	18:13	18:13	
Latin name	Common Name	Code	Spawning Window						
<i>Diploria labyrinthiformis</i>	Grooved Brain Coral	DLAB	17:03-18:23						

June Corals			Full moon	14-Jun				
			Days AFM	9	10	11	12	13
			Calendar Date	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun
			Sunset Time	18:21	18:21	18:21	18:21	18:22
Latin name	Common Name	Code	Spawning Window					
<i>Diploria labyrinthiformis</i>	Grooved Brain Coral	DLAB	17:11-18:31					

				Full moon	0	1	2	3	4	5	6	7	8	9	10	11	12	13	
July Corals				Days AFM	Calendar Date	13 July	14 July	15 Julio	16 July	17 July	18 July	19 July	20 July	21 July	22 July	23 July	24 July	25 July	26 July
				Sunset Time	18:22	18:22	18:22	18:22	18:21	18:21	18:21	18:21	18:21	18:21	18:20	18:20	18:20	18:20	18:20
Latin name	Common Name	Code	Spawning Window																
<i>Diploria labyrinthiformis</i>	Grooved Brain Coral	DLAB	17:10-18:30																
<i>Dendrogya cylindrus</i> °	Pillar Coral	DCYL	19:52-20:57																
*These species were observed spawning in July in the Southern Caribbean, but not elsewhere (to date)																			

August Corals			Full moon													
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
Days AFM			Calendar Date													
Sunset Time			11 Aug. 18:12	12 Aug. 18:12	13 Aug. 18:11	14 Aug. 18:11	15 Aug. 18:10	16 Aug. 18:10	17 Aug. 18:09	18 Aug. 18:08	19 Aug. 18:08	20 Aug. 18:07	21 Aug. 18:06	22 Aug. 18:06	23 Aug. 18:05	24 Aug. 18:04
Latin name			Spawning Window													
Common Name			Code													
<i>Grooved brain coral</i>			DLAB													
<i>Montastraea cavernosa</i>			MCAB													
<i>Colpophyllia natans</i>			CNAT													
<i>Pseudodiploria strigosa</i> (early group)			PSTR													
<i>Dendrogya cylindrus</i> ^a			DCYL													
<i>Dichocoenia stokesii</i>			DSTO													
<i>Acropora palmata</i>			APAL													
<i>Acropora cervicornis</i>			ACER													
<i>Orbicella annularis</i>			OANN													
<i>Orbicella faveolata</i>			OFAV													
<i>Pseudodiploria strigosa</i> (late group)			PSTR													
^a This species was observed spawning on August 12, 2011																

September Corals			Full moon													
			Days AFM													
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
Calendar Date			9-Sep	10 Sept.	11 Sept.	12 Sept.	13 Sept.	14 Sept.	15 Sept.	16 Sept.	17 Sept.	18 Sept.	19 Sept.	20 Sept.	21 Sept.	22 Sept.
Sunset Time			17:50	17:51	17:51	17:50	17:49	17:48	17:47	17:47	17:46	17:45	17:44	17:43	17:42	17:42
Latin name	Common Name	Code	Spawning Window													
<i>Diploria labyrinthiformis</i>	Grooved Brain Coral	DLAB	16:32-17:52													
<i>Mondrinia meandrites</i>	Maze coral	MMEA	17:56-18:56													
<i>Montastrea cavernosa</i>	Great Star Coral	MCAV	17:55-20:25													
<i>Colpophyllia natans</i>	Boulder Brain Coral	CNAT	18:21-19:36													
<i>Pseudodiploria strigosa</i> (early group)	Symmetrical Brain Coral	PSTR	18:32-18:46													
<i>Eusmilia fastigiata</i>	Flower coral	EFAS	19:01-22:16													
<i>Orbicella frankii</i>	Boulder star coral	OFRA	19:16-20:16													
<i>Dendrogya cylindrus</i>	Pillar Coral	DCYL	19:21-20:26													
<i>Dichocenia stokesi</i>	Pineapple coral	DSTO	19:30-20:30													
<i>Acropora palmata</i>	Elkhorn Coral	APAL	20:10-21:00													
<i>Acropora cervicornis</i>	Staghorn Coral	ACER	20:20-21:00													
<i>Stephanocoenia intersepta</i> ^a	Blushing Star Coral	SINT	20:27-21:17													
<i>Orbicella annularis</i> ^d	Lobed Star coral	OANN	20:51-21:56													
<i>Orbicella faveolata</i> ^c	Mountainous Star Coral	OFAV	20:51-21:56													
<i>Siderastrea siderea</i>	Massive Starlet Coral	SSID	21:16-22:26													
<i>Pseudodiploria clivosa</i>	Knobby Brain Coral	PCLI	21:16-22:01													
<i>Pseudodiploria strigosa</i> (late group)	Symmetrical Brain Coral	PSTR	21:26-22:16													
^c These species were observed spawning on +8 d AFM in Roatan in 2021																
^c This species was observed spawning on +7 d AFM in Roatan in 2021																

			Full moon	0	1	2	3	4	5	6	7	8	9	10	11	12	13
			Days AFM														
October Corals			Calendar Date	09 Oct.	10 Oct.	11 Oct.	12 Oct.	13 Oct.	14 Oct.	15 Oct.	16 Oct.	17 Oct.	18 Oct.	19 Oct.	20 Oct.	21 Oct.	22 Oct.
			Sunset Time	17:29	17:28	17:27	17:26	17:26	17:25	17:24	17:24	17:23	17:23	17:22	17:21	17:21	17:20
Latin name	Common Name	Code	Spawning Window														
<i>Diploria labyrinthiformis</i>	Grooved Brain Coral	DLAB	16:11-17:31														
<i>Meandrina meandrites</i>	Maze coral	MMEA	17:34-18:34														
<i>Montipora cavernosa</i>	Great Star Coral	MCAV	17:39-20:09	(Spawns many different nights in this range)													
<i>Colpophyllia natans</i>	Boulder Brain Coral	CNAT	17:59-19:14														
<i>Pseudodiploria strigosa</i> (early group)	Symmetrical Brain Coral	PSTR	18:10-18:24														
<i>Eusmilia fastigiata</i>	Flower coral	EFAS	18:39-21:54														
<i>Orbicella franksi</i>	Boulder star coral	OFRA	18:54-19:54														
<i>Dendrogya cylindrus</i>	Pillar coral	DCYL	18:59-20:04														
<i>Dichocoenia stokesii</i>	Pineapple coral	DSTO	19:08-20:08														
<i>Stephanocoenia intersepta</i> ^c	Blushing Star Coral	SINT	20:23-21:13														
<i>Orbicella annularis</i>	Lobed Star coral	OANN	20:29-21:34														
<i>Orbicella faveolata</i>	Mountainous Star Coral	OFAV	20:29-21:34														
<i>Siderastrea siderea</i>	Massive Starlet Coral	SSID	20:54-22:04														
<i>Pseudodiploria clivosa</i>	Knobby Brain Coral	PCLI	21:04-21:39														
<i>Pseudodiploria strigosa</i> (late group)	Symmetrical Brain Coral	PSTR	21:04-21:54														
<i>Madracis senaria</i>	Ten-Ray Star Coral		all night														
<i>Agaricia humilis</i> / <i>Agaricia agaricites</i>	Lettuce coral		all night														

			Full moon	0													
			Days AFM		1	2	3	4	5	6	7	8	9	10	11	12	13
November Corals			Calendar Date	08 Nov.	09 Nov.	10 Nov.	11 Nov.	12 Nov.	13 Nov.	14 Nov.	15 Nov.	16 Nov.	17 Nov.	18 Nov.	19 Nov.	20 Nov.	21 Nov.
			Sunset Time	17:13	17:13	17:12	17:12	17:12	17:12	17:11	17:11	17:11	17:11	17:11	17:11	17:11	17:11
Latin name	Common Name	Code	Spawning Window														
<i>Meandrina meandrites</i>	Maze coral	MMEA	17:21-18:21														
<i>Eusmilia fastigiata</i>	Flower coral	EFAS	18:26-21:21:41														
<i>Dichocoenia stokesi</i>	Pineapple coral	DSTO	18:53-19:53														
<i>Siderastrea sideraea</i>	Massive Starlet Coral	SSID	20:41-21:51														

*For any questions or to submit spawning observations, please contact the Roatan Marine Park Research team: info@roatanmarinepark.org, damaris.duenas@roatanmarinepark.org, zara.guifarro@roatanmarinepark.org, grace.horberry@roatanmarinepark.org

