

2021

Coral Spawning Predictions for the Southern Caribbean

April to Early July Corals

Latin name	Common Name	Spawning Window	DAYS AFM				DAYS AFM				DAYS AFM			
			10	11	12	13	10	11	12	13	10	11	12	13
CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		
SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		
<i>Diploria labyrinthiformis</i> *	Grooved Brain Coral	70 min BS-10 min AS	7-Apr	8-Apr	9-Apr	10-Apr	6-May	7-May	8-May	9-May	4-Jul	5-Jul	6-Jul	7-Jul
				17:35-19:00				17:40-18:10				17:55-19:15		

*Monthly "DLAB" spawning has been observed from April to October in Curaçao, Bonaire, the Dominican Republic, and Mexico. We don't yet know if this occurs across the entire region. New observations are highly encouraged!

Late July Corals

Latin name	Common Name	Spawning Window	DAYS AFM															
			0	1	2	3	4	5	6	7	8	9	10	11	12	13		
CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE				
SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME				
<i>Diploria labyrinthiformis</i> *	Grooved Brain Coral	70 min BS-10 min AS	19:03	19:03	19:03	19:03	19:02	19:02	19:02	19:01	19:01	19:01	19:01	19:01	19:01	19:00	19:00	18:59
<i>Montastraea cavernosa</i>	Great Star Coral	15-165 min AS							19:15-21:50							17:50-19:10		
<i>Colpophyllia natans</i>	Boulder Brain Coral	35-110 min AS								19:35-20:55								
<i>Pseudodiploria strigosa</i> (Early group)	Symmetrical Brain Coral	30-70 min AS								19:30-20:10								
<i>Dendrogyra cylindrus</i>	Pillar Coral	90-155 min AS																
<i>Acropora palmata</i>	Elkhorn Coral	140-190 min AS																
<i>Acropora cervicornis</i>	Staghorn Coral	150-190 min AS																
<i>Montastraea/Orbicella annularis</i>	Lobed/Boulder Star Coral	185-250 min AS								22:05-23:15								
<i>Montastraea/Orbicella faveolata</i>	Mountainous Star Coral	185-250 min AS								22:05-23:15								
<i>Pseudodiploria strigosa</i> (Late group)	Symmetrical Brain Coral	220-270 min AS									22:40-23:30							

Late August Corals

Latin name	Common Name	Spawning Window	DAYS AFM													
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		
SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		
<i>Diploria labyrinthiformis</i> *	Grooved Brain Coral	70 min BS-10 min AS	18:51	18:51	18:50	18:50	18:49	18:48	18:48	18:47	18:47	18:46	18:45	18:45	18:44	18:43
<i>Montastraea cavernosa</i>	Great Star Coral	15-165 min AS								19:05-21:30						17:35-18:55
<i>Colpophyllia natans</i>	Boulder Brain Coral	35-110 min AS									19:25-20:40					
<i>Pseudodiploria strigosa</i> (Early group)	Symmetrical Brain Coral	30-70 min AS									19:15-20:00					
<i>Dendrogyra cylindrus</i>	Pillar Coral	90-155 min AS														
<i>Dichocoenia stokesii</i>	Pineapple Coral	100-160 min AS														
<i>Acropora palmata</i>	Elkhorn Coral	140-190 min AS														
<i>Acropora cervicornis</i>	Staghorn Coral	150-190 min AS														
<i>Montastraea/Orbicella annularis</i>	Lobed/Boulder Star Coral	185-250 min AS								21:50-23:00						
<i>Montastraea/Orbicella faveolata</i>	Mountainous Star Coral	185-250 min AS								21:50-23:00						
<i>Pseudodiploria strigosa</i> (Late group)	Symmetrical Brain Coral	220-270 min AS									22:30-23:20					

Late September Corals

Latin name	Common name	Spawning Window	DAYS AFM													
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		
SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		
<i>Diploria labyrinthiformis</i> *	Grooved Brain Coral	70 min BS-10 min AS	18:32	18:32	18:31	18:30	18:30	18:29	18:28	18:28	18:27	18:26	18:26	18:25	18:24	18:24
<i>Meandrina meandrites</i>	Maze Coral	10-70 min AS							18:40-19:40 (Expected every night until at least Oct 10 - we welcome new observations from any date)						17:15-18:35	
<i>Montastraea cavernosa</i>	Great Star Coral	15-165 min AS							18:45-21:15							
<i>Colpophyllia natans</i>	Boulder Brain Coral	35-110 min AS								19:05-20:20						
<i>Pseudodiploria strigosa</i> (Early group)	Symmetrical Brain Coral	30-70 min AS								19:00-19:40						
<i>Eusmilia fastigiata</i>	Smooth Flower Coral	75-270 min AS								19:45-23:00						
<i>Montastraea/Orbicella franksi</i>	Boulder Star Coral	90-150 min AS								20:00-21:00						
<i>Dendrogyra cylindrus</i>	Pillar Coral	90-155 min AS														
<i>Dichocoenia stokesii</i>	Pineapple Coral	100-160 min AS														
<i>Acropora palmata</i>	Elkhorn Coral	140-190 min AS														
<i>Acropora cervicornis</i>	Staghorn Coral	150-190 min AS														
<i>Stephanocoenia intersepta</i>	Blushing Star Coral	160-210 min AS									21:10-22:00					
<i>Montastraea/Orbicella annularis</i>	Lobed/Boulder Star Coral	185-250 min AS									21:35-22:40					
<i>Montastraea/Orbicella faveolata</i>	Mountainous Star Coral	185-250 min AS									21:35-22:40					
<i>Siderastrea siderea</i>	Massive Starlet Coral	210-280 min AS								22:00-23:10						
<i>Pseudodiploria clivosa</i>	Knobby Brain Coral	210-255 min AS									22:00-22:45					
<i>Pseudodiploria strigosa</i> (Late group)	Symmetrical Brain Coral	220-270 min AS									22:10-23:00					
<i>Madracis senaria</i>	Ten-Ray Star Coral	all night														
<i>Agaricia humilis/Agaricia agaricites</i>	Lettuce Coral	all night														

Late October Corals

Latin name	Common Name	Spawning Window	DAYS AFM													
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		
SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		
<i>Diploria labyrinthiformis</i> *	Grooved Brain Coral	70 min BS-10 min AS	18:14	18:14	18:13	18:13	18:12	18:12	18:12	18:11	18:11	18:10	18:10	18:10	18:09	18:09
<i>Meandrina meandrites</i>	Maze Coral	10-70 min AS								18:20-19:25 (Expected every night until at least Nov 10 - we welcome new observations from any date)					17:00-18:20	
<i>Montastraea cavernosa</i>	Great Star Coral	15-165 min AS								18:25-20:55						
<i>Colpophyllia natans</i>	Boulder Brain Coral	35-110 min AS									18:45-20:00					
<i>Pseudodiploria strigosa</i> (Early group)	Symmetrical Brain Coral	30-70 min AS									18:40-19:20					
<i>Eusmilia fastigiata</i>	Smooth Flower Coral	75-270 min AS									19:25-22:45					
<i>Montastraea/Orbicella franksi</i>	Boulder Star Coral	90-150 min AS									19:40-20:40					
<i>Dendrogyra cylindrus</i>	Pillar Coral	90-155 min AS														
<i>Dichocoenia stokesii</i>	Pineapple Coral	100-160 min AS														
<i>Stephanocoenia intersepta</i>	Blushing Star Coral	160-210 min AS										20:50-21:40				
<i>Montastraea/Orbicella annularis</i>	Lobed/Boulder Star Coral	185-250 min AS										21:15-22:20				
<i>Montastraea/Orbicella faveolata</i>	Mountainous Star Coral	185-250 min AS										21:15-22:20				
<i>Siderastrea siderea</i>	Massive Starlet Coral	210-280 min AS								21:40-22:50						
<i>Pseudodiploria clivosa</i>	Knobby Brain Coral	210-255 min AS										21:40-22:30				
<i>Pseudodiploria strigosa</i> (Late group)	Symmetrical Brain Coral	220-270 min AS										21:50-22:40				
<i>Madracis senaria</i>	Ten-Ray Star Coral	all night														
<i>Agaricia humilis/Agaricia agaricites</i>	Lettuce Coral	all night														

Late November Corals

Latin name	Common name	Spawning Window	DAYS AFM													
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		
SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		
<i>Diploria labyrinthiformis</i> *	Grooved Brain Coral	70 min BS-10 min AS	18:07	18:07	18:07	18:07	18:07	18:07	18:07	18:07	18:07	18:08	18:08	18:08	18:08	18:08
<i>Meandrina meandrites</i>	Maze Coral	10-70 min AS									18:15-19:20 (Expected every night until at least Dec 5 - can you help us find the end date?)				17:00-18:15	
<i>Eusmilia fastigiata</i>	Smooth Flower Coral	75-270 min AS									19:20-22:40					
<i>Dichocoenia stokesii</i>	Pineapple Coral	100-160 min AS									19:45-20:45 (Spawning has been observed throughout the Sept/Oct lunar cycle, we welcome new observations in Nov and					

Aug/Sep/Oct - Sponges/Gorgs/More

Latin name	Common Name	Spawning Window	DAYS AFM													
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		CALENDAR DATE		
SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		SUNSET TIME		
<i>Holothuria mexicana</i>	Donkeydung Sea Cucumber		22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep
<i>Hemiodora carunculata</i>	Fire Worm		20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	31-Oct	1-Nov	2-Nov
<i>Didemna antillarum</i>	Long-Spined Sea Urchin		20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	1-Nov	2-Nov
<i>Neofibularia nolitangere</i>	Touch-Me-Not Sponge						14:00-17:00									
<i>Plexaura_pseudoplexaura, Eunicia</i>	Sea Rods									starting at 19:00						
<i>Plexaura homomalla</i>	Black Sea Rod									19:00-23:00						
<i>Ophiuroidea</i>	Brittle Sea Star/Serpent Star									19:30-23:00						
<i>Pseudopterogorgia</i> spp.	Sea Plume									20:00-23:00						
<i>Sairobranchus giganteus</i>	Christmas Tree Worm									21:00-22:30						

Legend & Abbreviations

Days AFM: Days After the Full Moon
 min BS = Minutes Before Sunset
 min AS = Minutes After Sunset

Pale Blue: Spawning may be possible, but more data are needed! This species is understudied on these dates and times. Please help us make new discoveries by diving these windows!