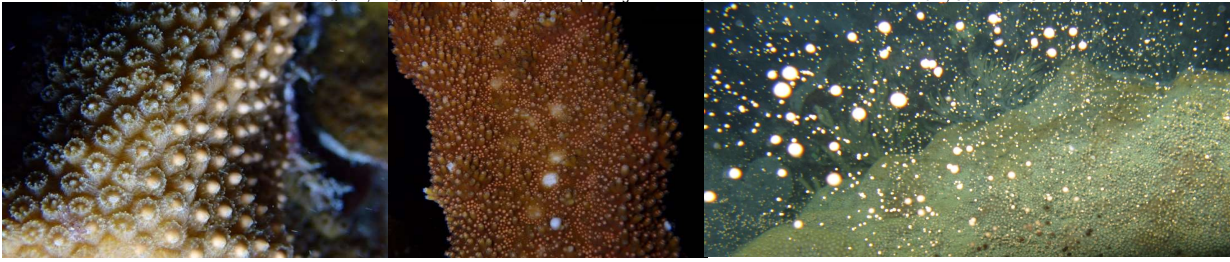


Citation: AT Banaszak, S Mendoza Quiroz, V. Grosso-Becerra (2024) "Coral Spawning Prediction Calendar for the Mexican Caribbean 2024, CORALIUM-UNAM, México



Fotos: Raúl Tecalco (Left and Centre, SECORE) y Edgar Escalante (Right, SAMMO)

| Month | | | JULY | | | | | | | | | | | | | | AUGUST | | | | |
|----------------------------------|---------------|---------------------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Nights after full moon (NAFM) | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 0 | 1 | 2 | 3 | |
| Date | | | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | 19 | 20 | 21 | 22 | 23 |
| Sunset (North of Quintana Roo) | | | 19:29 | 19:29 | 19:29 | 19:28 | 19:28 | 19:28 | 19:27 | 19:27 | 19:26 | 19:26 | 19:25 | 19:25 | 19:24 | 19:24 | 19:13 | 19:12 | 19:11 | 19:11 | 19:10 |
| Species | Spawning time | MAS/MBS (min. after or before sunset) | | | | | | | | | | | | | | | | | | | |
| <i>Acropora palmata</i> | 21:40-22:34 | 131-185 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | | | |
| <i>Acropora cervicornis</i> | 21:59-22:39 | 150-190 MAS | Caribbean | | | | | | | | | | | | | | | | | | |
| <i>Diploria labyrinthiformis</i> | 18:04-19:08 | 17-81 MBS | Mexican Caribbean | | | | | | | | | | | | | | | | | | |
| <i>Dendrogyra cylindrus</i> | 19:22 | 7 MBS | Mexican Caribbean | | | | | | | | | | | | | | | | | | |
| <i>Montastraea cavernosa</i> | 19:43-23:13 | 15-225 MAS | Caribbean | | | | | | | | | | | | | | | | | | |
| <i>Colpophyllia natans</i> | 19:52-21:22 | 25-115 MAS | Caribbean | | | | | | | | | | | | | | | | | | |
| <i>Orbicella annularis</i> | 22:33-23:37 | 185-250 MAS | Caribbean | | | | | | | | | | | | | | | | | | |
| <i>Orbicella faveolata</i> | 22:33-23:42 | 185-255 MAS | Caribbean | | | | | | | | | | | | | | | | | | |

| Month | | | AUGUST | | | | | | | | | | | | | | SEP | | |
|----------------------------------|---------------|---------------------------------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Nights after full moon | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 0 | 1 | |
| Date | | | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 19 | 20 | |
| Sunset | | | 19:13 | 19:12 | 19:11 | 19:11 | 19:10 | 19:09 | 19:08 | 19:07 | 19:07 | 19:06 | 19:05 | 19:04 | 19:03 | 19:02 | 19:03 | 19:02 | |
| Species | Spawning time | MAS/MBS (min. after or before sunset) | | | | | | | | | | | | | | | | | |
| <i>Acropora palmata</i> | 20:54-22:57 | 102-226 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Acropora palmata</i> | 20:39-20:53 | 139-153 MAS | Belize (Calabash Caye) | | | | | | | | | | | | | | | | |
| <i>Acropora palmata</i> | 21:31-22:20 | 140-190 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Acropora cervicornis</i> | 21:53-22:33 | 150-190 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Dendrogyra cylindrus</i> | 20:42-21:51 | 90-160 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Orbicella faveolata</i> | 20:49-0:10 | 100-310 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Orbicella faveolata</i> | 22:14-23:13 | 185-255 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Orbicella annularis</i> | 22:53-23:16 | 211-234 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Pseudodiploria strigosa</i> | 22:10-23:40 | 181-270 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Pseudodiploria strigosa</i> | 22:35-23:40 | 205-270 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Diploria labyrinthiformis</i> | 18:18-19:10 | 47 MBS-4 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Diploria labyrinthiformis</i> | 17:50-19:17 | 70 MBS-10 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Montastraea cavernosa</i> | 19:25-22:55 | 15-225 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Colpophyllia natans</i> | 19:33-21:00 | 25-115 MAS | Caribbean | | | | | | | | | | | | | | | | |

| Month | | | SEPTEMBER | | | | | | | | | | | | | | OCT | | |
|--|---------------|---------------------------------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Nights after full moon | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 0 | 1 | |
| Date | | | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | |
| Sunset | | | 18:46 | 18:45 | 18:44 | 18:43 | 18:42 | 18:42 | 18:41 | 18:40 | 18:39 | 18:38 | 18:37 | 18:36 | 18:35 | 18:34 | 18:34 | 18:34 | |
| Species | Spawning time | MAS/MBS (min. after or before sunset) | | | | | | | | | | | | | | | | | |
| <i>Acropora palmata</i> | 21:10-23:05 | 147-262 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Acropora palmata</i> | 20:50-21:10 | 128-154 MAS | Belize (Calabash Caye) | | | | | | | | | | | | | | | | |
| <i>Acropora palmata</i> | 21:05-21:55 | 140-190 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Acropora cervicornis</i> | 21:15-21:56 | 150-190 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Orbicella faveolata</i> | 21:10-23:15 | 147-273 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Orbicella faveolata</i> | 21:18-22:05 | 198-125 MAS | Belize (Calabash Caye) | | | | | | | | | | | | | | | | |
| <i>Orbicella faveolata</i> | 21:50-22:55 | 185-255 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Orbicella annularis</i> | 21:05-23:45 | 142-301 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Orbicella annularis</i> | 21:45-22:55 | 185-250 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Pseudodiploria strigosa</i> | 22:05-23:00 | 206-257 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Pseudodiploria strigosa</i> | 22:15-23:10 | 205-270 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Pseudodiploria strigosa</i> | 22:10-22:55 | 210-255 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Pseudodiploria strigosa</i> | after 22:40 | > 240 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Diploria labyrinthiformis</i> | 18:15-18:46 | 13 MBS-10 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Diploria labyrinthiformis</i> | 17:30-18:50 | 70 MBS-10 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Dendrogyra cylindrus</i> | 20:15-21:20 | 90-160 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Montastraea cavernosa</i> | 20:15-20:30 | 93-105 MAS | Mexican Caribbean | | | | | | | | | | | | | | | | |
| <i>Dichocoenia stokesii</i> | 20:00-21:15 | 85-160 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Meandrina meandrites</i> | 18:52-19:52 | 10-70 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Madracis senaria</i> | All night | | Caribe | | | | | | | | | | | | | | | | |
| <i>Agaricia humilis/ A. agaricites</i> | All night | | Caribe | | | | | | | | | | | | | | | | |
| <i>Stephanocoenia intersepta</i> | 21:35-23:10 | 160-255 MAS | Caribe | | | | | | | | | | | | | | | | |
| <i>Orbicella franksi</i> | 20:12-21:12 | 90-150 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Siderastrea siderea</i> | 22:00-23:23 | 195-280 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Eusmilia fastigiata</i> | 20:00-23:10 | 75-270 MAS | Caribbean | | | | | | | | | | | | | | | | |
| <i>Colpophyllia natans</i> | 19:10-21:00 | 25-115 MAS | Caribbean | | | | | | | | | | | | | | | | |