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## **FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE FORT MYERS TO THE TORTUGAS OFFSHORE AREA (LAT./LONG) UPDATED ON FRIDAY 21 AUGUST 2020 FOR FRIDAY P.M. AND SATURDAY FISHING ONLY**

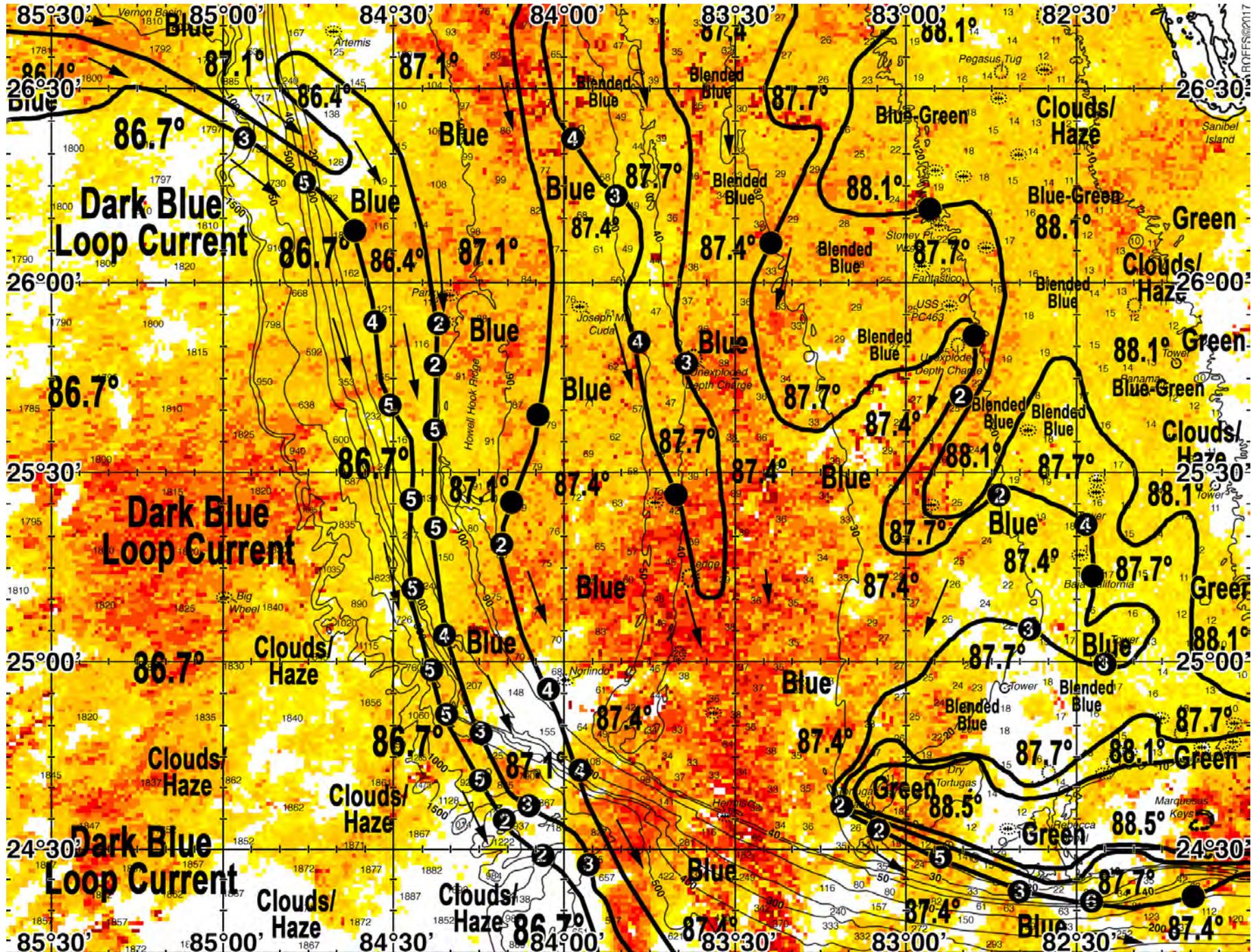
Based on a multiple factor oceanographic analysis, the indicated areas (hot spot dots) on the analysis mark the areas where bait concentrations are expected and where fishing action is expected to be better compared with other areas. Numbers inside of the hot spot dots indicate the number of consecutive days that we have seen favorable oceanographic conditions in that location. These areas are not based on dock rumors or hearsay fishing reports, they are based on oceanographic knowledge and expertise. You should start fishing where you recognize other signs of good fishing conditions near these marked areas (ie. rips/slicks, weed lines, birds, etc). It is very important to use your sea surface temperature (SST) gauge to locate the boundaries of the water masses, which are outlined in black. PLEASE REMEMBER, rather than trying to find water masses based on the absolute temperature values shown on the map, search for the relative change in SST where the water mass boundaries occur. Arrows indicate the main current direction. 1 fathom = approximately 6 feet. Afternoon SST is likely to be 1.0°F or more WARMER than indicated by the morning SST calibration on this analysis. NUMBERS IN PERENTHESIS AFTER LOCATIONS ARE NUMBER OF DAYS THAT SPOT HAS BEEN FAVORABLE. **Fathom Science SST and Ocean Color/Chlorophyll Forecasts now included on final two pages.**

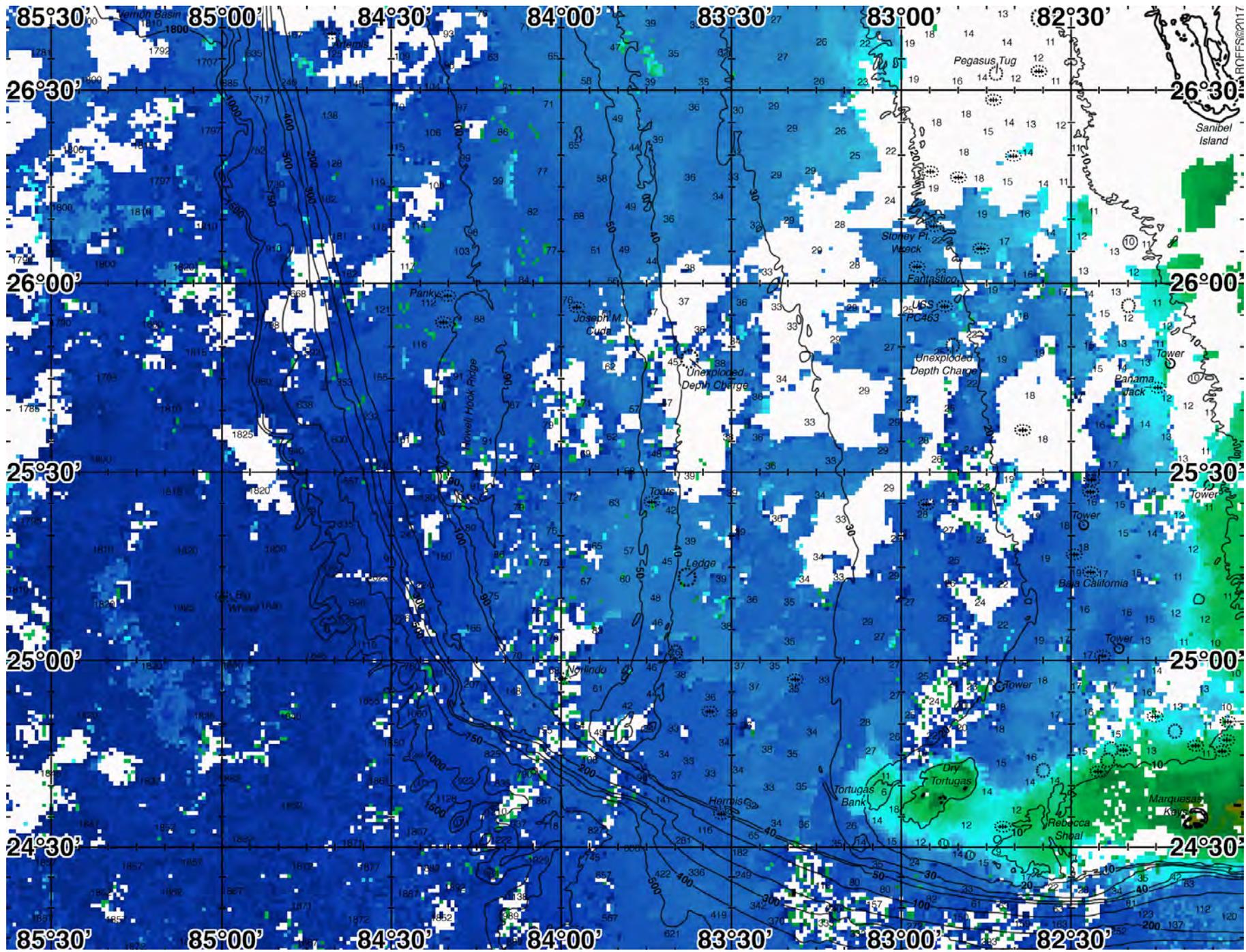
Despite continuing challenges with offshore cloud cover, haze, high levels of atmospheric moisture and afternoon differential heating of the water masses, we were able to provide this update of the ocean conditions using a combination of high-resolution SST imagery from yesterday afternoon/evening through this afternoon along with ocean color/chlorophyll imagery from the past 24-36 hours and we continue to include an ocean color image derived from chlorophyll imagery in order for you to see the true surface water colors in this area. **We always believe that there is no substitution over real time satellite data. We continue to provide sea surface temperature (SST) and ocean color/chlorophyll modeled data from our new partners at Fathom Science. While its not perfect, this data is cutting-edge, high resolution, cloud-free modeled data that has been evaluated and validated by ROFFS™ and other oceanographic scientists and proven to be the most accurate cloud-free data available anywhere to guide you in the right direction, when completely cloudy, to increase your chances for fishing action over other areas. Please visit the FAQs to read more about the ROFFS™/Fathom Science™ partnership on our web site at <https://www.roffs.com/faqs/>. We have also included modeled forecast charts of both SST and Chlorophyll at the end of the analysis. They provide a modeled look as to what the ocean conditions you will find at 6am tomorrow morning.** Overall, we continue to observe the counter-clockwise circulation of an eddy feature centered towards the Box area towards 85°00-05'W & 27°30'N that appears to continue to pull cleaner blue water north/northwestward off of the Loop Current circulation and over the 75-100+ fathom depths towards the area between the Submerged Buoy and the area southwest of the Steamboat Lumps and offshore towards the area north, northwest and west of the Box. The main circulation of the dark blue Loop Current water (estimated morning SST 86.7°F) remains southward south of the Vernon Basin area with its eastern leading edge pushing over the ledges southeastward towards the area west of the Howell Hook Ridge and further south/southeastward towards the area west of the Tortugas. We do continue to observe an abundance of cleaner blended blue to blue water in this area suggesting good overall chances for fishing action with tuna, wahoo, dolphin and billfish are likely to happen particularly where we have observed favorable conditions for multiple days now.

With this in mind, on your way offshore the east/northeastern edges of the relatively cleaner blended blue to blue water is likely to provide relatively good chances for fishing action particularly where we observed these conditions for multiple days now over the 16-30 fathom depths towards the Unexploded Depth Charge areas towards 82°50-51'W & 25°41-42'N (2), over the 40-50 fathom ledges towards 83°39'W & 25°49'N (3) and 83°47'W & 25°51'52-N (4) and also northwestward over the 50-70 fathom depths from 83°51-52'W & 26°13'N (3) to 83°59'W & 26°22-23'N (4). Northwestward, towards the ledges north/northeast of the Vernon Basin the northern edge of the cleaner blue water being circulated inshore along the southern side of the eddy is likely to

provide increased chances for action where we observed these conditions from 85°18'W & 27°05'N to 85°03-04'W & 27°06'N to 84°55'W & 27°06'N (2). Southeast of the Vernon Basin and towards the area west/northwest of the Howell Hook Ridge the east/northeastern edge of the main circulation of the Loop Current is likely to provide action particularly where we observed these conditions for multiple days now from 84°57-58'W & 26°22-23'N (3) to 84°46-47'W & 26°15-16'N (5) and also southeastward from 84°33'W & 25°54'N (4) to 84°30'W & 25°41'N (5). Continuing southeastward similar chances for action also occur over the ledges from 84°26-27'W & 25°25'N (5) to 84°26'W & 25°12'N (5) to 84°23-24'W & 24°59'N (5) to 84°20-21'W & 24°52'N (5) to 84°15'W & 24°42'N (5). Closer inshore, the eastern inshore edge of the relatively cooler blue water is likely to provide action on your way offshore towards the western side of the Howell Hook Ridge from 84°21-22'W & 25°54'N (2) to 84°23'W & 25°47'N (2) to 84°23-24'W & 25°37'N (5) to 84°22-23'W & 25°21-22'N (5) and also southeastward over the ledges from 84°15'W & 24°49'N (3) to 84°07-08'W & 24°36-37'N (3) to 83°55-56'W & 24°28'N (3).

**ROFFS™ Hours: Mon – Fri. 9:00 am – 7:00 pm EDT (sometimes later based on demand) with analysis order deadline before 3pm. We are now open on Saturdays 9AM to 4PM (sometimes we close earlier based on demand) analysis order deadline is 9:00am on Saturday.** *Thank you for not sharing this analysis with non-paying anglers.* Remember you can order and/or purchase your fishing analyses from our website (<http://www.roffs.com/>) or by email ([fishing@roffs.com](mailto:fishing@roffs.com)). Verbal updates are free while on the water between 10:30 AM and 11:59 AM (eastern time).

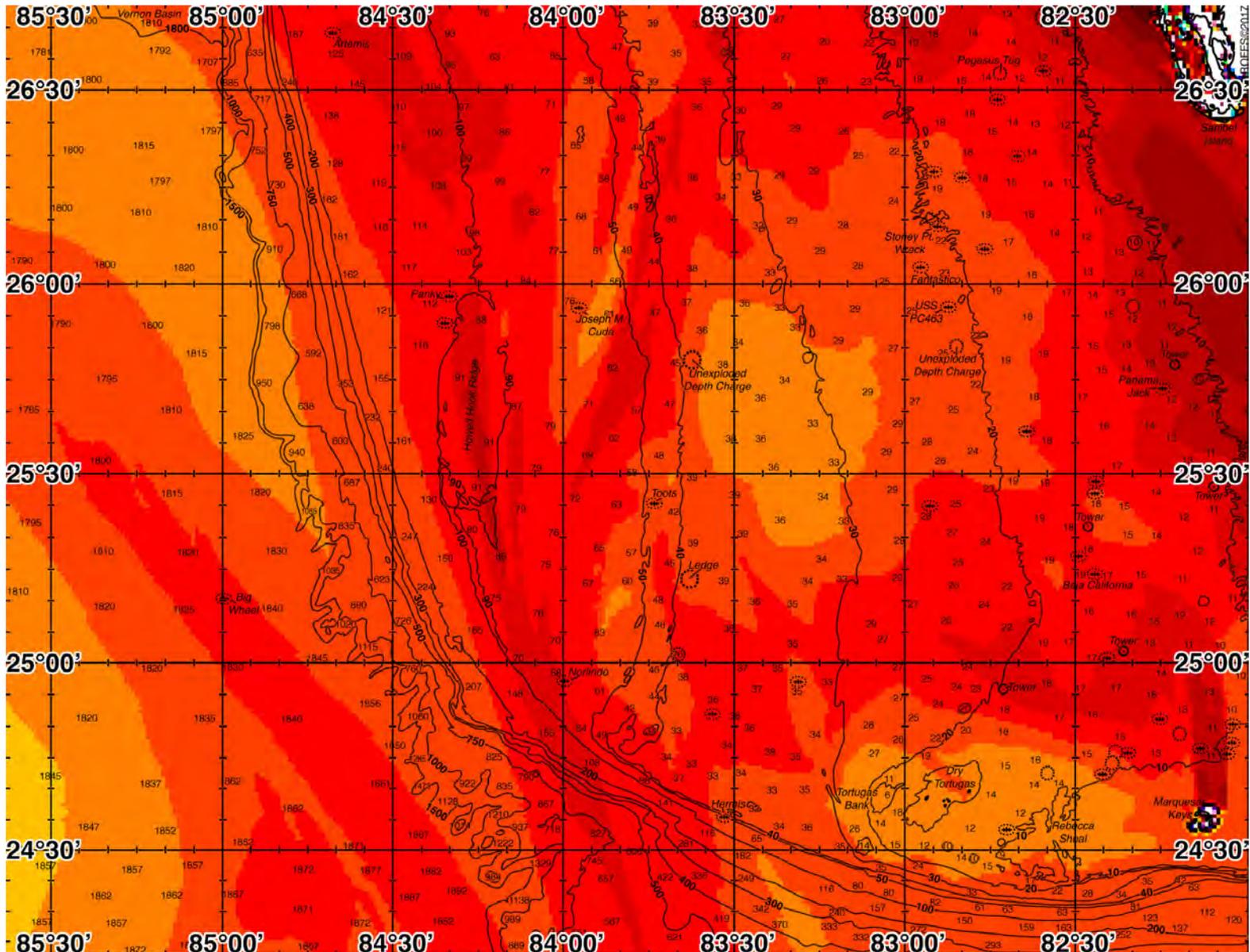






# FATHOM SCIENCE

## SST FORECAST for TOMORROW MORNING FISHING





# FATHOM SCIENCE

## OCEAN COLOR/CHLOROPHYLL FORECAST for TOMORROW MORNING

