



FISHERIES OCEANOGRAPHIC ANALYSIS

FOR THE FOR THE ST. SIMONS TO ST. AUGUSTINE INSHORE AREAS

UPDATED ON WEDNESDAY 15 JULY 2020 FOR WEDNESDAY P.M. AND THURSDAY 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.

We continue to have difficulty seeing the area due to clouds, however, we were able to identify the major water mass boundaries using a combination of infrared sst° and MODIS/VIIRS color/chlorophyll satellite imagery from the past 24 hours to increase your chances of mainly kingfish, as well as additional opportunities for blackfin tuna, cobia, sailfish, and dolphin offshore. Please keep in mind that your better chances for kingfish action are likely to occur where you locate either the SST and/or the ocean color (greener to bluer) water mass boundaries especially over good bottom structure. When making a decision on where to fish please keep in mind that the favorable conditions with an intermediate water clarity and chlorophyll + CDOM (blue-green to blended blue water) are likely MORE favorable than the green turbid inshore waters based on research. Also, keep in mind that a sudden change of wind direction will destabilize the indicated water mass boundaries and a steady strong wind in one direction will move the water mass boundaries according to the wind direction. Currently, the forecast is for winds out of the northwest at 5 knots for rest of today, then changing to 5-10 knots out of the east tomorrow.

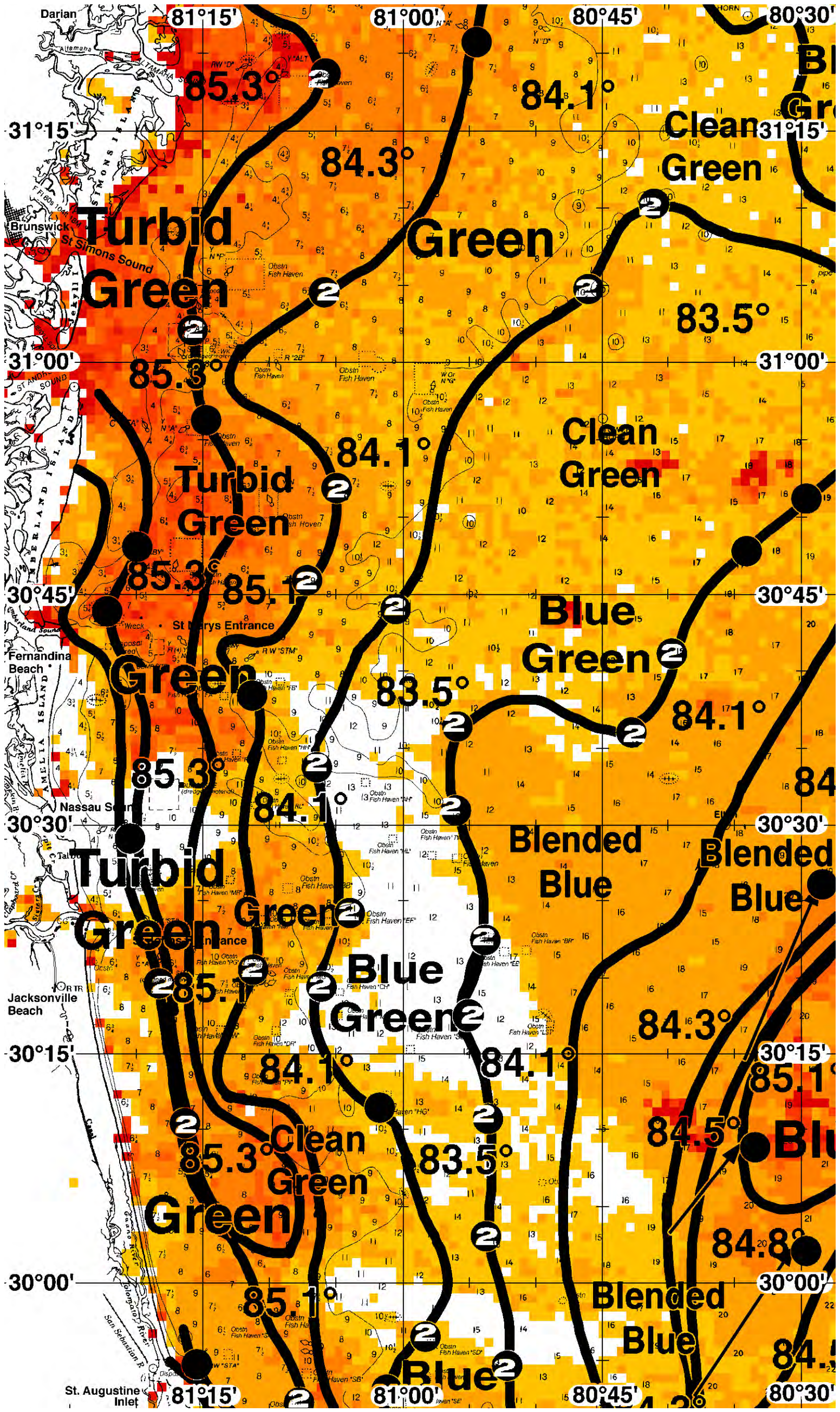
Overall, the main feature in the area is the 84.1-84.3°F blended blue water extending south along 20 fathoms north of Fernandina and along 12-15 fathoms from Fernandina south. Looking further inshore in the southern charted area, we've observed a cooler 83.5-84.1°F blue green to clean green filament flowing south 12-15 fathom in the north and along over 8-12 fathoms in the south indicating additional chances of action. Looking at the remainder of the inshore area west of 8 fathoms, we've observed predominantly warmer 85.3-85.1°F green to turbid green water. Looking further offshore, we've observed 84.1-84°F blended blue water dominating the area with a large 85.1°F eddy filament extending southwest into the charted area off of Jacksonville Beach due to an eddy east of the charted area. By tomorrow, we expect this eddy will be located 15-0 mile north, resulting in the eddy filament similarly pulling north. We have included an ocean color/chlorophyll composite image from yesterday so you can get a sense of where the bluer and greener water is located (email only, white=clouds).

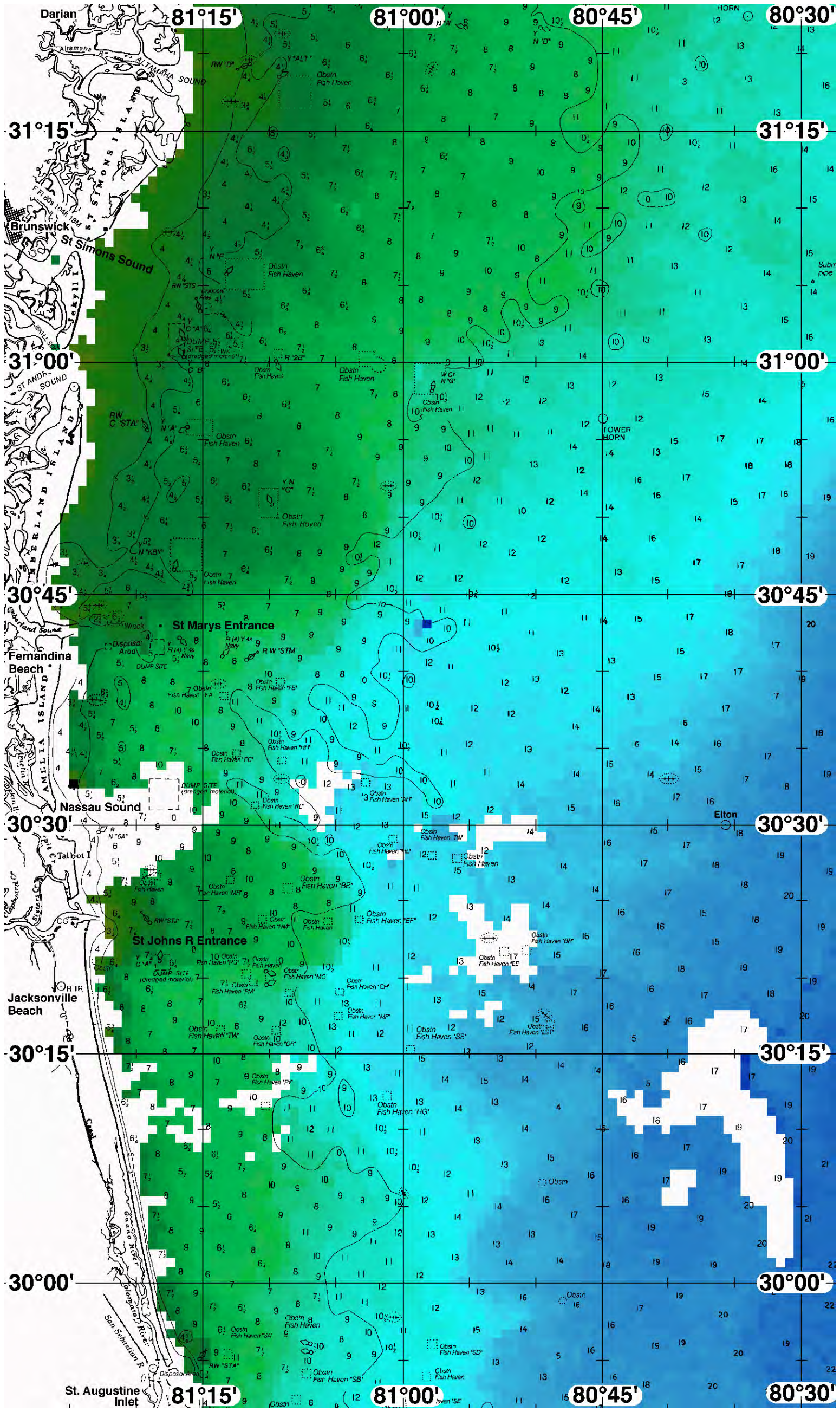
That said, conditions suggest your best chances for kingfish action out of the Jacksonville area will occur along the 83.5-84.1°F green to blue green filament edges we've observed along the Fish Havens over 10 fathoms near 81°04'W & 30°24'N (2), 81°06'W & 30°20'N (2), and 81°02'W & 30°12'N. From there, we suggest working offshore to the blended blue 84.1°F edges we've observed along 15 fathoms for two days near 80°56'W & 30°32'N (2), 80°55'W & 30°23'N (2), 80°54'W & 30°12'N (2). If interested in fishing the eddy offshore for an additional chance of kingfish, we suggest heading out to the 85.1°F edges we predict will be along 80°28'W & 80°25'N, and the 84.3-84.8°F blended blue to blue edges along 20 fathoms near 80°34'W & 30°12 to 80°30'W & 30°02'N.

Favorable conditions for kingfish have also been observed south along St. Augustine to Matanzas, favorable conditions can be found along the green to blue green edges we've observed pushing inshore along 10 fathoms near 81°01'W & 29°53'N to 81°01'W & 29°45'N (2). If this area isn't as productive as you'd like we suggest working offshore to the blended blue 84.1°F edges along 12-15 fathoms near 80°52'W & 29°55'N (2) to 80°53'W & 29°44'N (2).

For those of you interested in fishing north off of Fernandina, conditions suggest your best chance of action will occur along the clean green to blue green filament edges we've observed along 10 fathoms near 81°00'W & 30°45'N (2) to 81°07'W & 30°46'N (2). From there we suggest heading offshore and fishing the blended blue edges we've observed over good bottom for two days near 81°00'W & 30°44'N (2).

ROFFS™ May 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 10:00am 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). Verbal updates are free while on the water between 10:30 AM and 11:59 AM (eastern time). **The ROFFS™ Graphic analysis is on the next page.**

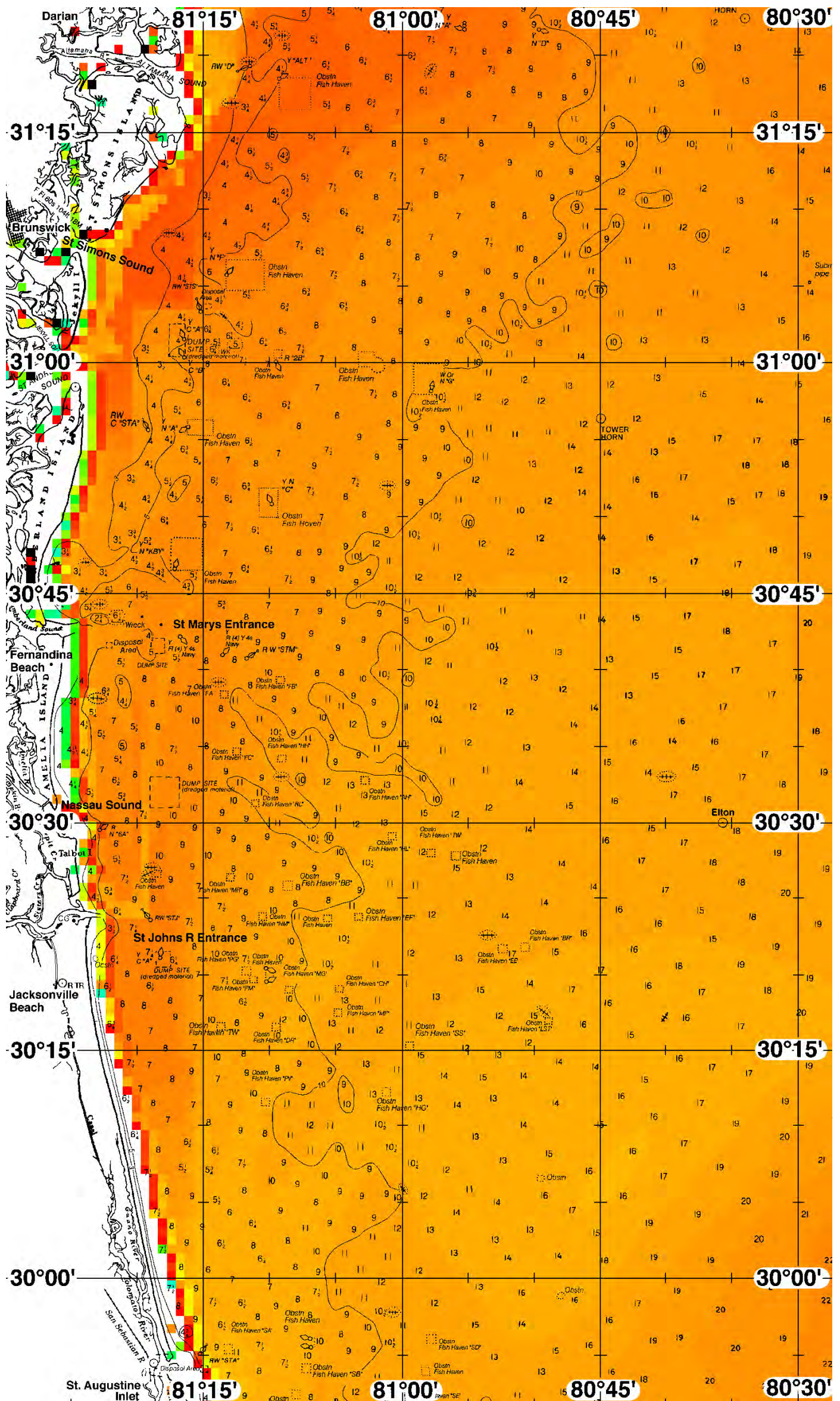






FATHOM SCIENCE

SST FORECAST for TOMORROW MORNING FISHING





FATHOM SCIENCE

OCEAN COLOR/CHLOROPHYLL for TOMORROW MORNING FISHING

