

Bottom Obstructions in the Southwestern North Atlantic, Gulf of Mexico, and Caribbean Sea¹

G. MICHAEL RUSSELL, ABRAHAM J. BARRETT, L. STEVE SARBECK,
and JOHN H. WORDLAW²

ABSTRACT

Lists of bottom obstructions are provided to aid in avoiding potential hazards to fishing gear. Locations, depth, gear type, and damage received are included. Within the regions, the following numbers of obstructions are identified: 267 southeastern North America, 320 Gulf of Mexico, 23 West Indies, 119 Caribbean Sea, and 59 northeast coast of South America.

INTRODUCTION

Damage to fishing gear from bottom obstructions is costly in lost time and gear replacement or repair. To effectively reduce gear damage, fishermen keep their own records of obstructions encountered during fishing operations, but few of these personal records have been published. There are two additional sources for information on obstructions: Graham (1975) and the Obstruction Commission, Gulf State Marine Fisheries Commission, New Orleans, La.

Since 1950 the National Marine Fisheries Service (formerly Bureau of Commercial Fisheries) had located 788 obstructions during research cruises. This report provides fishermen, operating in the southwestern North Atlantic and adjacent areas, with locations of these obstructions. However, no attempt has been made to identify them.

DATA FORMAT

The southwestern North Atlantic has been divided into five regions to help find these obstructions: 1) southeastern North America, 2) Gulf of Mexico, 3) West Indies, 4) Caribbean Sea, and 5) northeastern South America.

Division between these regions is based on latitude and longitude, and major geographical features that form natural boundaries (Fig. 1). The location of obstructions within these five regions is arranged from north to south (latitude) or east to west (longitude), depending on a fisherman's orientation to the shoreline. Locations within regions 2 (Gulf of Mexico), 3 (West Indies), and 4 (Caribbean Sea) are listed from east to west (increasing longitude); locations within regions 1 (southeastern

North America) and 5 (northeastern South America) are listed from north to south (decreasing latitude).

Information on depth, gear, and damage is also provided. Loran positions are included for those areas where readings are considered reliable.

APPLICATION

The area to be fished can be identified from the orientation chart (Fig. 1). If fishing is to be conducted in the Gulf of Mexico (region 2) then the longitude of the fishing area should be determined. The positions and depth of obstructions can then be obtained directly from the listing, including type of damage to gear.

Example: A fisherman plans to fish between lat. 29°00' and 29°50'N and long. 80°30' and 80°40'W. He finds the area is in southeastern North America, region 1 (Fig. 1). He then refers to the obstruction location listing for this region. The locations between lat. 29°00' and 29°50'N are

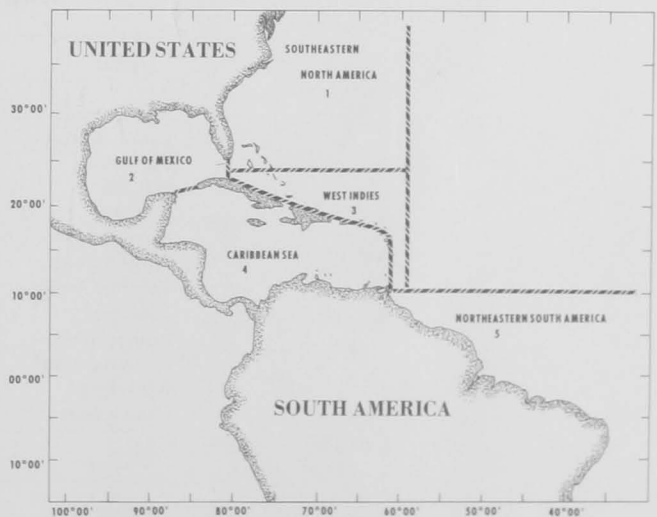


Figure 1.—Geographic boundaries of the five regions where obstructions have been located.

¹Contribution No. 77-08P from the Southeast Fisheries Center, Pascagoula Laboratory.

²Southeast Fisheries Center Pascagoula Laboratory, National Marine Fisheries Service, NOAA, P.O. Drawer 1207, Pascagoula, MS 39567.

ACKNOWLEDGMENT

We extend our appreciation to Charles M. Roithmayr and Elmer J. Guthertz for reviewing this manuscript.

LITERATURE CITED

GRAHAM, G. L.

1975. Bottom fishing obstructions. Texas-Louisiana and Gulf. Texas A&M Univ. Sea Grant Publ. TAMU-SG-76-506.

APPENDIX TABLE

Codes to Gear and Damage

| Gear | Abbreviation |
|----------------|--------------|
| Scallop trawl | PT |
| Lampara seine | LP |
| Purse seine | PS |
| Gill net | GN |
| Lift net | LN |
| Separator net | SN |
| Shrimp trawl | ST |
| Tumbler dredge | TD |
| Fish trawl | FT |
| Scallop dredge | SD |
| Midwater trawl | MT |
| Beam trawl | BT |
| Clam dredge | CD |

| Damage | Abbreviation |
|----------------|--------------|
| Torn webbing | T |
| Lost whole rig | L |
| Hang-up | Z |
| Gear fouled | F |

NATIONAL MARINE FISHERIES SERVICE
SEFC,PASCAGOULA LAB

HANG DATA

SOUTHEASTERN NORTH AMERICA
2400 TO 3830 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 1 | 3651 | 7439 | 65 | 3H42286 3H52932 | ST | T |
| 1 | 3649 | 7441 | 50 | 3H42257 3H52934 | ST | T |
| 1 | 3645 | 7440 | 71 | 3H42220 3H52935 | ST | T |
| 1 | 3636 | 7443 | 80 | 3H42112 3H52923 | ST | T |
| 1 | 3623 | 7449 | 79 | 3H41940 3H52922 | ST | T |
| 1 | 3622 | 7448 | 135 | 3H41936 3H52918 | FT | Z |
| 1 | 3554 | 7452 | 51 | 3H41627 3L14817 | ST | L |
| 1 | 3550 | 7454 | 49 | 3H41576 3L14814 | FT | T |
| 1 | 3549 | 7453 | 50 | 3H41575 3L14810 | ST | T |
| 1 | 3546 | 7450 | 59 | 3H41568 3L14799 | ST | T |
| 1 | 3545 | 7448 | 280 | 3H51568 3L14794 | ST | T |
| 1 | 3544 | 7451 | 62 | 3H41537 3L14799 | ST | T |
| 1 | 3542 | 7451 | 65 | 3H41523 3L14793 | ST | T |
| 1 | 3541 | 7452 | 48 | 3H41506 3L14794 | ST | L |
| 1 | 3536 | 7451 | 70 | 3H41470 3L14782 | TD | L |
| 1 | 3522 | 7452 | 320 | 3H41354 3L14755 | ST | F |
| 1 | 3517 | 7500 | 85 | 3H41261 3L14758 | FT | T |
| 1 | 3515 | 7459 | 240 | 3H41255 3L14753 | ST | T |
| 1 | 3508 | 7508 | 45 | 3H41158 3L14754 | ST | T |
| 1 | 3507 | 7504 | 190 | 3H41185 3L14745 | ST | L |
| 1 | 3506 | 7509 | 100 | 3H41146 3L14752 | ST | T |
| 1 | 3506 | 7510 | 60 | 3H41140 3L14753 | TD | Z |
| 1 | 3505 | 7506 | 200 | 3H41168 3L14743 | ST | T |
| 1 | 3505 | 7509 | 120 | 3H41143 3L14750 | ST | T |
| 1 | 3457 | 7523 | 50 | 3L14760 3H61143 | ST | T |
| 1 | 3454 | 7523 | 101 | 3H41052 3L14750 | ST | T |
| 1 | 3454 | 7525 | 75 | 3L14757 3H61173 | ST | T |
| 1 | 3453 | 7530 | 38 | 3L14765 3H61195 | FT | T |
| 1 | 3452 | 7532 | 38 | 3L14765 3H61211 | FT | T |
| 1 | 3446 | 7537 | 50 | 3L14759 3H61295 | ST | T |
| 1 | 3445 | 7538 | 40 | 3L14758 3H61304 | ST | T |
| 1 | 3438 | 7548 | 34 | 3L14763 3H61425 | FT | Z |
| 1 | 3437 | 7538 | 103 | 3L14740 3H61378 | ST | L |
| 1 | 3437 | 7544 | 35 | 3L14754 3H61409 | FT | T |
| 1 | 3436 | 7545 | 38 | 3L14753 3H61425 | FT | Z |
| 1 | 3433 | 7546 | 50 | 3L14746 3H61459 | ST | T |
| 1 | 3433 | 7706 | 9 | 3L14926 3H62086 | ST | T |
| 1 | 3432 | 7651 | 11 | 3L14888 3H61970 | FT | T |
| 1 | 3431 | 7640 | 9 | 3L14860 3H61880 | ST | T |
| 1 | 3426 | 7542 | 215 | 3L14718 3H61498 | ST | T |
| 1 | 3425 | 7652 | 12 | 3L14876 3H62019 | ST | T |
| 1 | 3424 | 7544 | 215 | 3L14719 3H61523 | ST | T |
| 1 | 3418 | 7708 | 13 | 3L14999 3H62205 | FT | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

SOUTHEASTERN NORTH AMERICA
2400 TO 3830 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|---------|------|--------|
| 1 | 3416 | 7554 | 195 | 3L14717 | 3H61653 | ST | T |
| 1 | 3416 | 7726 | 11 | 3L14940 | 3H62375 | FT | Z |
| 1 | 3414 | 7637 | 18 | 3L14811 | 3H61975 | ST | T |
| 1 | 3407 | 7719 | 13 | 3L14898 | 3H62374 | ST | T |
| 1 | 3407 | 7722 | 13 | 3L14908 | 3H62401 | FT | Z |
| 1 | 3404 | 7615 | 50 | 3L14730 | 3H61896 | ST | T |
| 1 | 3357 | 7721 | 15 | 3L14877 | 3H62467 | ST | T |
| 1 | 3354 | 7808 | 5 | 3L15002 | 3H62981 | CD | F |
| 1 | 3352 | 7813 | 5 | 3L15009 | 3H62935 | ST | T |
| 1 | 3343 | 7623 | 220 | 3L14678 | 3H62114 | ST | T |
| 1 | 3341 | 7720 | 14 | 3L14830 | 3H62571 | FT | T |
| 1 | 3340 | 7721 | 15 | 3L14834 | 3H62575 | FT | T |
| 1 | 3339 | 7633 | 143 | 3L14690 | 3H62220 | TD | F |
| 1 | 3336 | 7657 | 54 | 3L14745 | 3H62420 | SD | F |
| 1 | 3335 | 7814 | 10 | 3L14973 | 3H63065 | FT | T |
| 1 | 3333 | 7641 | 150 | 3L14746 | 3H62319 | ST | L |
| 1 | 3329 | 7822 | 12 | 3L14979 | 3H63174 | ST | T |
| 1 | 3325 | 7640 | 220 | 3L14658 | 3H62368 | ST | T |
| 1 | 3324 | 7818 | 14 | 3L14951 | 3H63175 | ST | T |
| 1 | 3324 | 7820 | 13 | 3L14964 | 3H63198 | ST | T |
| 1 | 3321 | 7740 | 15 | 3L14820 | 3H62875 | FT | Z |
| 1 | 3321 | 7832 | 11 | 3L14993 | 3H63312 | ST | T |
| 1 | 3320 | 7740 | 14 | 3L12812 | 3H62877 | FT | F |
| 1 | 3305 | 7711 | 190 | 3L14659 | 3H62740 | ST | T |
| 1 | 3301 | 7849 | 12 | 3L14983 | 3H63595 | ST | T |
| 1 | 3255 | 7808 | 50 | 3L14805 | 3H63270 | FT | T |
| 1 | 3254 | 7727 | 175 | 3L14655 | 3H62927 | ST | T |
| 1 | 3254 | 7812 | 38 | 3L14813 | 3H63304 | MT | T |
| 1 | 3253 | 7833 | 20 | 3L14889 | 3H63500 | ST | T |
| 1 | 3250 | 7817 | 30 | 3L14811 | 3H63374 | FT | T |
| 1 | 3249 | 7838 | 18 | 3L14887 | 3H63565 | ST | T |
| 1 | 3248 | 7820 | 30 | 3L14812 | 3H63414 | FT | L |
| 1 | 3247 | 7823 | 30 | 3L14818 | 3H63445 | FT | T |
| 1 | 3239 | 7833 | 51 | 3L14809 | 3H63570 | CD | T |
| 1 | 3239 | 7836 | 27 | 3L14815 | 3H63587 | SD | Z |
| 1 | 3237 | 7951 | 6 | 3L15125 | 3H64260 | ST | F |
| 1 | 3235 | 7829 | 103 | 3L14770 | 3H63546 | CD | T |
| 1 | 3234 | 7921 | 14 | 3L14076 | 3H64014 | ST | T |
| 1 | 3232 | 7844 | 25 | 3L14805 | 3H63690 | ST | T |
| 1 | 3228 | 7849 | 45 | 3L14793 | 3H63744 | ST | T |
| 1 | 3227 | 7806 | 190 | 3L14632 | 3H63381 | BT | T |
| 1 | 3220 | 7812 | 190 | 3L14600 | 3H63459 | ST | L |
| 1 | 3219 | 7945 | 14 | 3L14900 | 3H64196 | FT | T |
| 1 | 3219 | 7946 | 15 | 3L14900 | 3H64200 | ST | F |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

SOUTHEASTERN NORTH AMERICA
2400 TO 3830 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 1 | 3216 | 7905 | 40 | 3L14765 3H63903 | ST | T |
| 1 | 3210 | 7834 | 233 | 3L14598 3H63669 | TD | Z |
| 1 | 3209 | 8021 | 8 | 3L14740 3H64279 | ST | F |
| 1 | 3204 | 8024 | 9 | 3L14673 3H64676 | ST | F |
| 1 | 3203 | 7926 | 30 | 3L14684 3H64063 | FT | Z |
| 1 | 3152 | 7822 | 320 | 3L14400 3H63605 | ST | T |
| 1 | 3146 | 8034 | 11 | 3L14442 3H64264 | ST | T |
| 1 | 3135 | 7938 | 50 | 3L14375 3H64087 | ST | T |
| 1 | 3131 | 7927 | 220 | 3L14308 3H64033 | ST | T |
| 1 | 3131 | 7946 | 29 | 3L14316 3H64115 | FT | Z |
| 1 | 3111 | 7955 | 30 | 3L14078 3H64120 | ST | T |
| 1 | 3110 | 7954 | 32 | 3L14072 3H64115 | FT | Z |
| 1 | 3106 | 7956 | 29 | 3L14004 3H64115 | ST | T |
| 1 | 3105 | 7956 | 30 | 3L13996 3H64113 | ST | L |
| 1 | 3058 | 7947 | 175 | 3L13900 3H64073 | ST | T |
| 1 | 3056 | 8110 | 9 | 3L13800 3H64251 | FT | F |
| 1 | 3049 | 8015 | 23 | 3L13782 3H64146 | ST | T |
| 1 | 3036 | 8013 | 24 | 3L13635 3H64124 | TD | F |
| 1 | 3031 | 8002 | 150 | 3L13579 3H64088 | ST | T |
| 1 | 3025 | 8026 | 23 | 3L13485 3H64142 | ST | T |
| 1 | 3023 | 8004 | 182 | 3L13474 3H64080 | ST | Z |
| 1 | 3017 | 8016 | 28 | 3L13395 3H64109 | ST | T |
| 1 | 3016 | 8012 | 25 | 3L13385 3H64094 | ST | T |
| 1 | 3010 | 8016 | 38 | 3L13308 3H64098 | TD | Z |
| 1 | 3008 | 8018 | 26 | 3L13281 3H64100 | FT | T |
| 1 | 3001 | 8010 | 180 | 3L13200 3H64074 | ST | F |
| 1 | 3001 | 8031 | 22 | 3L13191 3H64124 | TD | F |
| 1 | 3000 | 8008 | 189 | 3L13190 3H64068 | ST | F |
| 1 | 3000 | 8010 | 180 | 3L13188 3H64073 | ST | T |
| 1 | 2959 | 8009 | 210 | 3L13182 3H64068 | ST | T |
| 1 | 2958 | 8010 | 185 | 3L13173 3H64070 | ST | L |
| 1 | 2958 | 8011 | 160 | 3L13163 3H64071 | ST | T |
| 1 | 2957 | 8011 | 175 | 3L13150 3H64070 | ST | F |
| 1 | 2955 | 8010 | 200 | 3L13124 3H64063 | ST | T |
| 1 | 2955 | 8012 | 150 | 3L13125 3H64069 | ST | T |
| 1 | 2954 | 8011 | 185 | 3L13119 3H64068 | ST | T |
| 1 | 2954 | 8013 | 190 | 3L13115 3H64073 | ST | T |
| 1 | 2953 | 8005 | 250 | 3L13112 3H64050 | ST | T |
| 1 | 2953 | 8012 | 180 | 3L13100 3H64071 | ST | T |
| 1 | 2953 | 8013 | 180 | 3L13101 3H64072 | ST | F |
| 1 | 2953 | 8019 | 29 | 3L13100 3H64087 | SD | Z |
| 1 | 2952 | 8011 | 180 | 3L13091 3H64068 | ST | F |
| 1 | 2952 | 8012 | 180 | 3L13087 3H64070 | ST | F |
| 1 | 2952 | 8013 | 180 | 3L13085 3H64070 | ST | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC,PASCAGOULA LAB

HANG DATA

SOUTHEASTERN NORTH AMERICA
2400 TO 3830 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|---------|------|--------|
| 1 | 2952 | 8017 | 29 | 3L13090 | 3H64081 | FT | T |
| 1 | 2952 | 8031 | 20 | 3L13085 | 3H64111 | FT | T |
| 1 | 2950 | 8007 | 200 | 3L13070 | 3H64052 | ST | F |
| 1 | 2950 | 8011 | 180 | 3L13073 | 3H64065 | ST | T |
| 1 | 2950 | 8012 | 200 | 3L13075 | 3H64061 | ST | T |
| 1 | 2949 | 8036 | 18 | 3L13045 | 3H64120 | TD | Z |
| 1 | 2948 | 8010 | 185 | 3L13045 | 3H64059 | ST | F |
| 1 | 2948 | 8012 | 162 | 3L13044 | 3H64063 | ST | L |
| 1 | 2947 | 8011 | 180 | 3L13025 | 3H64058 | ST | F |
| 1 | 2947 | 8013 | 195 | 3L13027 | 3H64062 | ST | T |
| 1 | 2946 | 8010 | 195 | 3L13011 | 3H64056 | ST | T |
| 1 | 2946 | 8011 | 185 | 3L13006 | 3H64057 | ST | F |
| 1 | 2945 | 8012 | 200 | 3L13000 | 3H64058 | ST | L |
| 1 | 2945 | 8028 | 18 | 3L12996 | 3H64096 | FT | Z |
| 1 | 2944 | 8010 | 177 | 3L12993 | 3H64053 | ST | T |
| 1 | 2944 | 8103 | 12 | 3L12978 | 3H64165 | TD | F |
| 1 | 2942 | 8010 | 180 | 3L12971 | 3H64050 | ST | T |
| 1 | 2940 | 8011 | 170 | 3L12941 | 3H64053 | ST | L |
| 1 | 2940 | 8017 | 40 | 3L12943 | 3H64069 | ST | T |
| 1 | 2939 | 8012 | 185 | 3L12925 | 3H64051 | ST | F |
| 1 | 2938 | 8016 | 50 | 3L12915 | 3H64061 | ST | T |
| 1 | 2937 | 8010 | 210 | 3L12900 | 3H64048 | ST | T |
| 1 | 2935 | 8011 | 100 | 3L12875 | 3H64045 | ST | T |
| 1 | 2931 | 8008 | 215 | 3L12835 | 3H64036 | ST | F |
| 1 | 2931 | 8009 | 185 | 3L12838 | 3H64039 | ST | F |
| 1 | 2930 | 8008 | 180 | 3L12820 | 3H64036 | ST | T |
| 1 | 2929 | 7953 | 375 | 3L12812 | 3H63993 | ST | T |
| 1 | 2928 | 8008 | 200 | 3L12797 | 3H64033 | ST | L |
| 1 | 2928 | 8009 | 200 | 3L12796 | 3H64035 | ST | F |
| 1 | 2925 | 8014 | 38 | 3L12760 | 3H64042 | FT | T |
| 1 | 2925 | 8015 | 35 | 3L12755 | 3H64045 | TD | F |
| 1 | 2924 | 8007 | 190 | 3L12751 | 3H64025 | ST | T |
| 1 | 2922 | 8006 | 200 | 3L12724 | 3H64019 | ST | T |
| 1 | 2922 | 8007 | 185 | 3L12723 | 3H64023 | ST | F |
| 1 | 2921 | 8039 | 16 | 3L12705 | 3H64097 | TD | F |
| 1 | 2920 | 7949 | 200 | 3L12700 | 3H63974 | ST | T |
| 1 | 2920 | 8014 | 35 | 3L12690 | 3H64037 | SD | F |
| 1 | 2920 | 8016 | 30 | 3L12698 | 3H64045 | SD | F |
| 1 | 2919 | 7959 | 245 | 3L12687 | 3H63697 | ST | F |
| 1 | 2919 | 8018 | 25 | 3L12686 | 3H64048 | BT | T |
| 1 | 2918 | 7959 | 260 | 3L12675 | 3H63996 | ST | T |
| 1 | 2917 | 8004 | 360 | 3L52294 | 3H63845 | ST | T |
| 1 | 2914 | 8002 | 238 | 3L12625 | 3H64001 | ST | T |
| 1 | 2913 | 8032 | 16 | 3L12607 | 3H64074 | TD | F |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

SOUTHEASTERN NORTH AMERICA
2400 TO 3830 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 1 | 2912 | 8002 | 203 | 3L12599 3H64000 | ST | T |
| 1 | 2912 | 8019 | 21 | 3L12598 3H64043 | MT | F |
| 1 | 2910 | 8005 | 80 | 3L12575 3H64009 | SD | Z |
| 1 | 2909 | 8000 | 205 | 3L51348 3H63990 | ST | T |
| 1 | 2909 | 8037 | 13 | 3L12560 3H64080 | TD | F |
| 1 | 2907 | 8001 | 195 | 3L12550 3H63998 | ST | L |
| 1 | 2907 | 8031 | 15 | 3L12543 3H64067 | TD | F |
| 1 | 2906 | 8017 | 25 | 3L12525 3H64033 | TD | F |
| 1 | 2905 | 8016 | 25 | 3L12510 3H64035 | PT | L |
| 1 | 2904 | 8013 | 32 | 3L12499 3H64023 | FT | T |
| 1 | 2902 | 8016 | 26 | 3L12476 3H64030 | TD | F |
| 1 | 2902 | 8038 | 12 | 3L12475 3H64076 | TD | F |
| 1 | 2902 | 8039 | 11 | 3L12477 3H64080 | TD | F |
| 1 | 2901 | 8031 | 13 | 3L12455 3H64059 | TD | Z |
| 1 | 2859 | 7957 | 222 | 3L12443 3H63976 | ST | F |
| 1 | 2858 | 8007 | 46 | 3L12429 3H64000 | ST | T |
| 1 | 2856 | 8003 | 100 | 3L13141 3H64045 | ST | Z |
| 1 | 2856 | 8016 | 22 | 3L12400 3H64023 | SD | F |
| 1 | 2854 | 8007 | 45 | 3L12378 3H63997 | BT | T |
| 1 | 2854 | 8036 | 12 | 3L12379 3H64065 | TD | I |
| 1 | 2853 | 7958 | 180 | 3L12370 3H63975 | ST | T |
| 1 | 2853 | 8014 | 20 | 3L12370 3H64026 | SD | T |
| 1 | 2852 | 7946 | 350 | 3L12365 3H63945 | ST | T |
| 1 | 2852 | 7954 | 200 | 3L12360 3H63963 | ST | T |
| 1 | 2852 | 8033 | 14 | 3L12352 3H64057 | TD | F |
| 1 | 2850 | 8004 | 80 | 3L12330 3H63988 | BT | F |
| 1 | 2849 | 8010 | 31 | 3L12317 3H64000 | ST | Z |
| 1 | 2848 | 8028 | 13 | 3L12300 3H64041 | TD | F |
| 1 | 2848 | 8028 | 13 | 3L12300 3H64041 | TD | F |
| 1 | 2843 | 8005 | 40 | 3L12248 3H63986 | BT | T |
| 1 | 2842 | 8008 | 31 | 3L12228 3H63986 | ST | Z |
| 1 | 2842 | 8012 | 27 | 3L12227 3H64000 | TD | F |
| 1 | 2835 | 8014 | 17 | 3L51223 3H63997 | SD | F |
| 1 | 2834 | 8007 | 30 | 3L51247 3H63981 | ST | T |
| 1 | 2833 | 8015 | 18 | 3L51212 3H63999 | TD | F |
| 1 | 2830 | 7951 | 182 | 3L51311 3H63938 | ST | Z |
| 1 | 2830 | 7952 | 200 | 3L51306 3H63940 | ST | L |
| 1 | 2827 | 8004 | 35 | 3L51242 3H63969 | TD | Z |
| 1 | 2826 | 7951 | 180 | 3L51303 3H63935 | ST | T |
| 1 | 2826 | 8010 | 26 | 3L51213 3H63982 | FT | T |
| 1 | 2825 | 8005 | 32 | 3L51236 3H63969 | ST | T |
| 1 | 2824 | 8014 | 20 | 3L51195 3H63990 | TD | F |
| 1 | 2823 | 8009 | 25 | 3L51212 3H63977 | TD | F |
| 1 | 2823 | 8017 | 15 | 3L12000 3H63996 | SD | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

SOUTHEASTERN NORTH AMERICA
2400 TO 3830 N. LAT. 5930 TO 8100 W. LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|---------|------|--------|
| 1 | 2823 | 8031 | 8 | 3L12000 | 3H64025 | ST | T |
| 1 | 2821 | 7951 | 180 | 3L51294 | 3H63935 | ST | T |
| 1 | 2821 | 8014 | 15 | 3L51189 | 3H63987 | SD | Z |
| 1 | 2819 | 8034 | 6 | 3L11968 | 3H64031 | ST | T |
| 1 | 2818 | 8034 | 6 | 3L11950 | 3H64028 | ST | F |
| 1 | 2816 | 8005 | 28 | 3L51212 | 3H63962 | ST | T |
| 1 | 2811 | 8010 | 22 | 3L51180 | 3H63971 | TD | F |
| 1 | 2809 | 8003 | 36 | 3L51205 | 3H63953 | ST | T |
| 1 | 2809 | 8010 | 19 | 3L51175 | 3H63969 | SD | T |
| 1 | 2809 | 8014 | 16 | 3L51160 | 3H63978 | SD | L |
| 1 | 2807 | 7940 | 305 | 3L51325 | 3H63896 | TD | F |
| 1 | 2803 | 8006 | 23 | 3L51178 | 3H63956 | ST | F |
| 1 | 2803 | 8014 | 16 | 3L51144 | 3H63974 | TD | Z |
| 1 | 2800 | 8006 | 23 | 3L51170 | 3H63954 | TD | F |
| 1 | 2759 | 7856 | 480 | 3L51635 | 3H63771 | ST | Z |
| 1 | 2759 | 8008 | 22 | 3L51159 | 3H63957 | ST | T |
| 1 | 2759 | 8012 | 15 | 3L51141 | 3H63966 | MT | T |
| 1 | 2757 | 8005 | 22 | 3L51168 | 3H63949 | TD | T |
| 1 | 2753 | 8005 | 22 | 3L51157 | 3H63946 | SD | F |
| 1 | 2753 | 8008 | 20 | 3L51143 | 3H63954 | TD | F |
| 1 | 2752 | 8003 | 26 | 3L51164 | 3H63941 | ST | T |
| 1 | 2751 | 8002 | 31 | 3L51164 | 3H63939 | FT | T |
| 1 | 2742 | 8003 | 23 | 3L51137 | 3H63935 | SD | F |
| 1 | 2740 | 7959 | 50 | 3L51151 | 3H63925 | FT | T |
| 1 | 2739 | 7959 | 41 | 3L51149 | 3H63924 | FT | T |
| 1 | 2738 | 8006 | 15 | 3L51111 | 3H63940 | SD | Z |
| 1 | 2737 | 8006 | 18 | 3L51109 | 3H63939 | TD | F |
| 1 | 2736 | 8006 | 14 | 3L51105 | 3H63938 | SD | Z |
| 1 | 2735 | 8005 | 18 | 3L51108 | 3H63935 | FT | Z |
| 1 | 2723 | 7907 | 10 | 3L51660 | 3H63789 | ST | L |
| 1 | 2721 | 7915 | 265 | 3L51490 | 3H63809 | FT | T |
| 1 | 2716 | 8002 | 26 | 3L51069 | 3H63918 | FT | T |
| 1 | 2712 | 7952 | 180 | 3L51142 | 3H63893 | ST | F |
| 1 | 2650 | 7944 | 200 | 3L51220 | 3H63874 | ST | L |
| 1 | 2631 | 8001 | 33 | 3L51309 | 3H63893 | ST | T |
| 1 | 2627 | 8001 | 13 | 3L51345 | 3H63891 | ST | T |
| 1 | 2547 | 7919 | 25 | 3L51960 | 3H63787 | TD | Z |
| 1 | 2545 | 7959 | 150 | 3L51697 | 3H63867 | TD | F |
| 1 | 2543 | 7920 | 120 | 3L51985 | 3H63787 | TD | F |
| 1 | 2535 | 8000 | 210 | 3L51771 | 3H63866 | ST | L |
| 1 | 2531 | 8000 | 225 | 3L51802 | 3H63864 | ST | F |
| 1 | 2531 | 8006 | 15 | 3L51769 | 3H63876 | SD | T |
| 1 | 2530 | 7919 | 368 | 3L52071 | 3H63785 | ST | T |
| 1 | 2522 | 7919 | 300 | 3L52151 | 3H63779 | ST | L |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

SOUTHEASTERN NORTH AMERICA
2400 TO 3830 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 1 | 2520 | 8000 | 240 | 3L51887 3H63860 | ST | Z |
| 1 | 2517 | 8010 | 25 | 3L51852 3H63877 | ST | T |
| 1 | 2516 | 8010 | 15 | 3L51859 3H63877 | ST | T |
| 1 | 2445 | 7918 | 300 | 3L52406 3H63780 | ST | F |

GULF OF MEXICO
2415 TO 3020 N.LAT. 8100 TO 9730 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 2 | 2431 | 8116 | 98 | 3L33583 3H13532 | SD | Z |
| 2 | 2415 | 8124 | 153 | 3L33557 3H13489 | TD | F |
| 2 | 2413 | 8141 | 250 | 3L33552 3H13461 | ST | T |
| 2 | 2618 | 8202 | 6 | 3H13667 3H01013 | SN | T |
| 2 | 2600 | 8203 | 7 | 3H01032 3H13627 | ST | T |
| 2 | 2545 | 8203 | 10 | 3H01046 3H13596 | ST | T |
| 2 | 2617 | 8203 | 8 | 3H01016 3H13662 | ST | T |
| 2 | 2609 | 8210 | 9 | 3H01034 3H13636 | ST | T |
| 2 | 2451 | 8212 | 14 | 3H01112 3H13475 | ST | T |
| 2 | 2416 | 8230 | 200 | 3H01178 3H13374 | ST | T |
| 2 | 2446 | 8230 | 15 | 3H01160 3H13429 | ST | L |
| 2 | 2648 | 8245 | 14 | 3H01130 3H13668 | ST | T |
| 2 | 2418 | 8254 | 200 | 3H01241 3H13326 | ST | F |
| 2 | 2450 | 8259 | 25 | 3H01246 3H13376 | MT | T |
| 2 | 2446 | 8259 | 25 | 3H01248 3H13368 | ST | T |
| 2 | 2722 | 8302 | 13 | 3H01428 3H13727 | ST | T |
| 2 | 2422 | 8305 | 40 | 3H01274 3H13308 | ST | L |
| 2 | 2450 | 8307 | 15 | 3H01271 3H13456 | ST | T |
| 2 | 2504 | 8308 | 30 | 3H01273 3H13382 | ST | T |
| 2 | 2717 | 8310 | 13 | 3H01465 3H13702 | ST | T |
| 2 | 2707 | 8319 | 23 | 3H01483 3H13657 | ST | T |
| 2 | 2425 | 8323 | 215 | 3H01332 3H13270 | ST | T |
| 2 | 2428 | 8329 | 220 | 3H01356 3H13260 | ST | T |
| 2 | 2429 | 8330 | 210 | 3H01357 3H13259 | ST | T |
| 2 | 2429 | 8331 | 220 | 3H01360 3H13258 | ST | T |
| 2 | 2433 | 8334 | 250 | 3H01372 3H13257 | ST | T |
| 2 | 2930 | 8335 | 5 | 3H02744 3H33473 | ST | T |
| 2 | 2928 | 8403 | 11 | 3H02948 3H33474 | ST | T |
| 2 | 2845 | 8407 | 16 | 3H02650 3H13877 | ST | T |
| 2 | 2925 | 8412 | 13 | 3H03000 3H33471 | ST | T |
| 2 | 2938 | 8415 | 11 | 3H03101 3H33492 | ST | T |
| 2 | 2455 | 8417 | 215 | 3H01573 3H33160 | ST | L |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

GULF OF MEXICO
2415 TO 3020 N.LAT. 8100 TO 9730 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 2 | 2517 | 8425 | 230 | 3H01641 3H33190 | ST | L |
| 2 | 2946 | 8432 | 6 | 3H03282 3H13991 | ST | T |
| 2 | 2759 | 8510 | 230 | 3H02681 3H13505 | FT | F |
| 2 | 2914 | 8515 | 21 | 3H03400 3H13859 | SD | F |
| 2 | 2909 | 8517 | 18 | 3H03360 3H13799 | SD | Z |
| 2 | 2804 | 8527 | 240 | 3H02809 3H13439 | FT | T |
| 2 | 2747 | 8527 | 400 | 3H02675 3H13370 | ST | F |
| 2 | 2808 | 8546 | 330 | 3H02927 3H13340 | FT | L |
| 2 | 2807 | 8552 | 385 | 3H02942 3H13296 | FT | F |
| 2 | 2932 | 8604 | 40 | 3H03608 3H13524 | FT | F |
| 2 | 2836 | 8615 | 200 | 3H03232 3H13236 | ST | T |
| 2 | 2854 | 8626 | 200 | 3H03372 3H13198 | ST | F |
| 2 | 2907 | 8637 | 225 | 3H03455 3H13124 | ST | T |
| 2 | 2240 | 8637 | 206 | 3H01879 3H32569 | ST | T |
| 2 | 2915 | 8639 | 215 | 3H03498 3H13123 | ST | L |
| 2 | 2930 | 8640 | 150 | 3H03567 3H13136 | ST | L |
| 2 | 3000 | 8645 | 60 | 3H03656 3H13102 | ST | L |
| 2 | 3004 | 8645 | 45 | 3H03664 3H13101 | ST | T |
| 2 | 2848 | 8647 | 300 | 3H03347 3H12976 | ST | F |
| 2 | 3003 | 8648 | 57 | 3H03660 3H13072 | ST | T |
| 2 | 3004 | 8655 | 54 | 3H03656 3H13000 | ST | L |
| 2 | 3006 | 8656 | 36 | 3H03659 3H12989 | ST | T |
| 2 | 2950 | 8703 | 98 | 3H03616 3H12910 | MT | T |
| 2 | 3019 | 8707 | 4 | 3H03671 3H12875 | FT | T |
| 2 | 2911 | 8709 | 490 | 3H02659 3H12855 | ST | T |
| 2 | 2306 | 8711 | 150 | 3H02018 3H32578 | ST | T |
| 2 | 2845 | 8714 | 480 | 3H03341 3H12706 | FT | T |
| 2 | 2915 | 8717 | 450 | 3H03483 3H12723 | ST | T |
| 2 | 2939 | 8719 | 56 | 3H03572 3H12729 | FT | T |
| 2 | 2922 | 8724 | 220 | 3H03508 3H12655 | ST | T |
| 2 | 2958 | 8726 | 17 | 3H03618 3H12674 | ST | T |
| 2 | 2939 | 8727 | 33 | 3H03566 3H12647 | GN | F |
| 2 | 2921 | 8727 | 250 | 3H03503 3H12622 | ST | T |
| 2 | 2928 | 8728 | 55 | 3H03528 3H12620 | FT | T |
| 2 | 2926 | 8729 | 80 | 3H03522 3H12608 | ST | L |
| 2 | 2933 | 8730 | 38 | 3H03545 3H12607 | ST | T |
| 2 | 2358 | 8730 | 200 | 3H02173 3H32675 | ST | T |
| 2 | 2924 | 8731 | 100 | 3H03512 3H12581 | ST | L |
| 2 | 2929 | 8731 | 37 | 3H03531 3H12587 | FT | Z |
| 2 | 2921 | 8732 | 245 | 3H03501 3H12571 | ST | T |
| 2 | 2914 | 8735 | 500 | 3H03474 3H12526 | ST | T |
| 2 | 2935 | 8735 | 30 | 3H03547 3H12553 | FT | Z |
| 2 | 2926 | 8735 | 40 | 3H03518 3H12546 | FT | Z |
| 2 | 2920 | 8740 | 100 | 3H03494 3H12480 | FT | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC,PASCAGOULA LAB

HANG DATA

GULF OF MEXICO
2415 TO 3020 N.LAT. 8100 TO 9730 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|---------|------|--------|
| 2 | 2939 | 8740 | 20 | 3H03556 | 3H12507 | FT | F |
| 2 | 2917 | 8742 | 208 | 3H03482 | 3H12456 | ST | F |
| 2 | 2923 | 8744 | 50 | 3H03503 | 3H12442 | ST | L |
| 2 | 2912 | 8746 | 425 | 3H03462 | 3H12427 | FT | F |
| 2 | 2923 | 8748 | 45 | 3H03502 | 3H12399 | ST | T |
| 2 | 2855 | 8749 | 900 | 3H03393 | 3H12359 | ST | T |
| 2 | 2915 | 8750 | 200 | 3H03472 | 3H12370 | FT | F |
| 2 | 2915 | 8751 | 190 | 3H03471 | 3H12360 | ST | T |
| 2 | 2941 | 8755 | 22 | 3H03554 | 3H12349 | FT | T |
| 2 | 2938 | 8755 | 22 | 3H03546 | 3H12347 | MT | F |
| 2 | 2912 | 8756 | 243 | 3H03459 | 3H12301 | ST | F |
| 2 | 2913 | 8757 | 225 | 3H03461 | 3H12290 | FT | T |
| 2 | 2925 | 8759 | 35 | 3H03503 | 3H12277 | FT | T |
| 2 | 2923 | 8800 | 43 | 3H03496 | 3H12269 | ST | T |
| 2 | 2911 | 8801 | 225 | 3H03455 | 3H12249 | ST | T |
| 2 | 2912 | 8802 | 225 | 3H03453 | 3H12239 | FT | T |
| 2 | 2910 | 8802 | 270 | 3H03451 | 3H12236 | ST | T |
| 2 | 2912 | 8803 | 225 | 3H03456 | 3H12227 | ST | T |
| 2 | 2912 | 8805 | 195 | 3H12202 | 3H03457 | ST | T |
| 2 | 2910 | 8805 | 250 | 3H12204 | 3H03449 | ST | L |
| 2 | 2954 | 8806 | 17 | 3H12251 | 3H03581 | MT | F |
| 2 | 2929 | 8806 | 45 | 3H12212 | 3H03513 | ST | T |
| 2 | 2911 | 8807 | 200 | 3H12181 | 3H03453 | FT | T |
| 2 | 3014 | 8808 | 4 | 3H12268 | 3H03622 | LN | T |
| 2 | 3013 | 8808 | 7 | 3H12265 | 3H03620 | FT | L |
| 2 | 2919 | 8808 | 50 | 3H12170 | 3H03478 | ST | T |
| 2 | 2902 | 8808 | 500 | 3H12164 | 3H03420 | FT | F |
| 2 | 2900 | 8808 | 712 | 3H12162 | 3H03412 | ST | T |
| 2 | 2856 | 8808 | 838 | 3H12162 | 3H03396 | ST | Z |
| 2 | 3014 | 8809 | 5 | 3H12255 | 3H03621 | MT | Z |
| 2 | 2910 | 8810 | 205 | 3H12150 | 3H03449 | ST | F |
| 2 | 2921 | 8811 | 46 | 3H12150 | 3H03486 | ST | T |
| 2 | 2911 | 8811 | 200 | 3H12140 | 3H03452 | ST | L |
| 2 | 2906 | 8811 | 290 | 3H12135 | 3H03434 | ST | T |
| 2 | 3012 | 8812 | 7 | 3H12222 | 3H03615 | MT | F |
| 2 | 2912 | 8812 | 130 | 3H12130 | 3H03454 | FT | F |
| 2 | 2914 | 8813 | 68 | 3H12120 | 3H03461 | ST | T |
| 2 | 2910 | 8813 | 200 | 3H12118 | 3H03447 | FT | F |
| 2 | 2912 | 8814 | 120 | 3H12110 | 3H03455 | ST | L |
| 2 | 2909 | 8814 | 225 | 3H12105 | 3H03443 | ST | F |
| 2 | 2917 | 8816 | 46 | 3H12090 | 3H03467 | FT | T |
| 2 | 2915 | 8816 | 50 | 3H12090 | 3H03465 | FT | T |
| 2 | 2843 | 8817 | 825 | 3H12064 | 3H03348 | ST | L |
| 2 | 2915 | 8818 | 50 | 3H12070 | 3H03463 | ST | F |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

GULF OF MEXICO
2415 TO 3020 N.LAT. 8100 TO 9730 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|---------|------|--------|
| 2 | 2912 | 8818 | 100 | 3H12065 | 3H03454 | ST | L |
| 2 | 2909 | 8818 | 200 | 3H12063 | 3H03442 | ST | L |
| 2 | 2907 | 8818 | 250 | 3H12065 | 3H03436 | ST | F |
| 2 | 2906 | 8819 | 260 | 3H12050 | 3H03431 | ST | T |
| 2 | 2954 | 8820 | 20 | 3H12109 | 3H03573 | ST | T |
| 2 | 3009 | 8821 | 7 | 3H12126 | 3H03605 | ST | T |
| 2 | 3007 | 8821 | 10 | 3H12125 | 3H03601 | GN | F |
| 2 | 3014 | 8822 | 3 | 3H12130 | 3H03613 | MT | T |
| 2 | 2957 | 8823 | 18 | 3H12080 | 3H03578 | ST | F |
| 2 | 2918 | 8823 | 36 | 3H12015 | 3H03472 | ST | T |
| 2 | 2905 | 8823 | 215 | 3H12007 | 3H03428 | ST | L |
| 2 | 2900 | 8824 | 400 | 3H11995 | 3H03411 | LP | T |
| 2 | 2915 | 8825 | 60 | 3H11995 | 3H03461 | ST | T |
| 2 | 3015 | 8825 | 3 | 3H12102 | 3H03613 | MT | T |
| 2 | 2947 | 8825 | 19 | 3H12040 | 3H03553 | FT | T |
| 2 | 2943 | 8825 | 21 | 3H12030 | 3H03543 | MT | T |
| 2 | 2850 | 8826 | 600 | 3H11972 | 3H03375 | FT | T |
| 2 | 2905 | 8827 | 215 | 3H11965 | 3H03427 | ST | T |
| 2 | 2859 | 8827 | 400 | 3H11963 | 3H03406 | ST | L |
| 2 | 2917 | 8828 | 38 | 3H11967 | 3H03468 | ST | T |
| 2 | 2905 | 8828 | 200 | 3H11951 | 3H03428 | ST | F |
| 2 | 3013 | 8830 | 3 | 3H12050 | 3H03607 | LN | T |
| 2 | 2939 | 8830 | 22 | 3H11975 | 3H03530 | ST | T |
| 2 | 2937 | 8831 | 20 | 3H11959 | 3H03525 | ST | T |
| 2 | 2926 | 8831 | 30 | 3H11940 | 3H03494 | ST | T |
| 2 | 2957 | 8833 | 14 | 3H11982 | 3H03572 | GN | T |
| 2 | 2919 | 8833 | 35 | 3H11910 | 3H03472 | MT | T |
| 2 | 2909 | 8833 | 110 | 3H11904 | 3H03440 | ST | T |
| 2 | 2932 | 8834 | 22 | 3H11916 | 3H03509 | MT | T |
| 2 | 2919 | 8834 | 35 | 3H11900 | 3H03471 | MT | T |
| 2 | 2903 | 8834 | 220 | 3H11890 | 3H03418 | ST | T |
| 2 | 2912 | 8835 | 32 | 3H11885 | 3H03449 | FT | T |
| 2 | 2901 | 8835 | 205 | 3H11875 | 3H03411 | ST | F |
| 2 | 2913 | 8836 | 40 | 3H11874 | 3H03452 | MT | F |
| 2 | 2901 | 8836 | 200 | 3H11870 | 3H03412 | ST | F |
| 2 | 2930 | 8837 | 20 | 3H11880 | 3H03502 | ST | T |
| 2 | 2924 | 8837 | 29 | 3H11875 | 3H03486 | MT | T |
| 2 | 2208 | 8838 | 20 | 3H02132 | 3H32327 | ST | T |
| 2 | 3017 | 8840 | 3 | 3H11970 | 3H03609 | MT | T |
| 2 | 2917 | 8840 | 35 | 3H11833 | 3H03463 | ST | L |
| 2 | 2857 | 8840 | 230 | 3H11825 | 3H03398 | ST | T |
| 2 | 2911 | 8841 | 41 | 3H11830 | 3H03445 | ST | T |
| 2 | 2851 | 8841 | 405 | 3H11820 | 3H03378 | ST | F |
| 2 | 2919 | 8842 | 32 | 3H11818 | 3H03468 | FT | L |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

GULF OF MEXICO

2415 TO 3020 N.LAT. 8100 TO 9730 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 2 | 2906 | 8843 | 54 | 3H11798 3H03428 | ST | T |
| 2 | 2229 | 8843 | 28 | 3H02178 3H32365 | MT | T |
| 2 | 2922 | 8844 | 27 | 3H11799 3H03477 | ST | Z |
| 2 | 2926 | 8845 | 15 | 3H03488 3H11787 | MT | L |
| 2 | 2912 | 8845 | 38 | 3H11778 3H03448 | FT | Z |
| 2 | 2853 | 8845 | 270 | 3H11775 3H03386 | ST | F |
| 2 | 3004 | 8846 | 8 | 3H03581 3H11873 | MT | T |
| 2 | 2854 | 8846 | 220 | 3H03389 3H11766 | ST | T |
| 2 | 2232 | 8847 | 29 | 3H02195 3H32369 | ST | T |
| 2 | 2928 | 8848 | 9 | 3H03492 3H11765 | MT | L |
| 2 | 2916 | 8848 | 34 | 3H03458 3H11747 | ST | T |
| 2 | 2910 | 8849 | 48 | 3H03440 3H11730 | FT | T |
| 2 | 2914 | 8850 | 38 | 3H03451 3H11725 | SN | T |
| 2 | 2910 | 8850 | 40 | 3H03439 3H11724 | ST | L |
| 2 | 2915 | 8851 | 32 | 3H03454 3H11719 | FT | T |
| 2 | 2902 | 8852 | 74 | 3H03414 3H11700 | ST | T |
| 2 | 2913 | 8852 | 36 | 3H03448 3H11702 | ST | T |
| 2 | 3002 | 8854 | 4 | 3H03572 3H11790 | LN | T |
| 2 | 2921 | 8857 | 17 | 3H03471 3H11660 | MT | T |
| 2 | 2852 | 8857 | 160 | 3H03381 3H11653 | FT | F |
| 2 | 2850 | 8858 | 185 | 3H03375 3H11645 | ST | F |
| 2 | 2835 | 8912 | 180 | 3H03337 3H11536 | ST | L |
| 2 | 2858 | 8912 | 14 | 3H03400 3H11494 | ST | L |
| 2 | 2843 | 8918 | 80 | 3H03354 3H11467 | ST | T |
| 2 | 2849 | 8933 | 45 | 3H21067 3H33458 | ST | L |
| 2 | 2846 | 8934 | 48 | 3H21082 3H33449 | ST | F |
| 2 | 2859 | 8934 | 30 | 3H21032 3H33488 | ST | L |
| 2 | 2327 | 8934 | 124 | 3H02400 3H32413 | ST | T |
| 2 | 2841 | 8935 | 58 | 3H21105 3H33435 | ST | T |
| 2 | 2300 | 8936 | 76 | 3H02348 3H32342 | ST | F |
| 2 | 2851 | 8937 | 40 | 3H21068 3H33465 | ST | T |
| 2 | 2843 | 8939 | 50 | 3H21106 3H33443 | ST | L |
| 2 | 2844 | 8942 | 47 | 3H21114 3H33445 | FT | T |
| 2 | 2849 | 8943 | 30 | 3H21091 3H33461 | ST | T |
| 2 | 2856 | 8954 | 20 | 3H21098 3H33486 | FT | T |
| 2 | 2227 | 8959 | 37 | 3H02330 3H32225 | ST | T |
| 2 | 2829 | 9000 | 60 | 3H21270 3H33402 | ST | L |
| 2 | 2832 | 9004 | 39 | 3H21277 3H33412 | FT | T |
| 2 | 2819 | 9006 | 50 | 3H21348 3H33368 | FT | T |
| 2 | 2834 | 9010 | 32 | 3H21304 3H33420 | ST | T |
| 2 | 2827 | 9015 | 30 | 3H21370 3H33396 | ST | T |
| 2 | 2222 | 9015 | 30 | 3H22127 3H32183 | FT | T |
| 2 | 2821 | 9029 | 30 | 3H21498 3H33377 | ST | T |
| 2 | 2814 | 9041 | 40 | 3H21619 3H33351 | FT | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

GULF OF MEXICO
24 15 TO 30 20 N. LAT. 81 00 TO 97 30 W. LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|---------|------|--------|
| 2 | 2811 | 9051 | 45 | 3H21710 | 3H33340 | FT | T |
| 2 | 2815 | 9055 | 52 | 3H21734 | 3H33356 | FT | Z |
| 2 | 2834 | 9059 | 16 | 3H21723 | 3H33433 | FT | T |
| 2 | 2753 | 9105 | 225 | 3H21875 | 3H33261 | ST | T |
| 2 | 2806 | 9106 | 58 | 3H21853 | 3H33318 | ST | L |
| 2 | 2815 | 9111 | 40 | 3H21875 | 3H33355 | TD | Z |
| 2 | 2810 | 9113 | 50 | 3H21905 | 3H33335 | ST | L |
| 2 | 2213 | 9114 | 52 | 3H22318 | 3H32029 | FT | Z |
| 2 | 2806 | 9119 | 64 | 3H21966 | 3H33317 | TD | L |
| 2 | 2217 | 9129 | 55 | 3H22358 | 3H32007 | FT | Z |
| 2 | 2833 | 9131 | 22 | 3H22038 | 3H33437 | SN | T |
| 2 | 2815 | 9135 | 34 | 3H22099 | 3H33356 | ST | T |
| 2 | 2822 | 9135 | 34 | 3H22090 | 3H33387 | ST | T |
| 2 | 2832 | 9138 | 22 | 3H22108 | 3H32435 | SN | T |
| 2 | 1948 | 9142 | 23 | 3H22430 | 3H31756 | FT | Z |
| 2 | 2739 | 9145 | 500 | 3H22232 | 3H33177 | ST | T |
| 2 | 2818 | 9146 | 35 | 3H22199 | 3H33372 | FT | T |
| 2 | 2736 | 9146 | 400 | 3H22243 | 3H33161 | ST | T |
| 2 | 2825 | 9146 | 30 | 3H22194 | 3H33404 | SN | T |
| 2 | 1951 | 9147 | 27 | 3H22445 | 3H31747 | FT | Z |
| 2 | 1956 | 9147 | 27 | 3H22440 | 3H31752 | FT | Z |
| 2 | 1942 | 9149 | 27 | 3H22448 | 3H31732 | FT | T |
| 2 | 2812 | 9151 | 46 | 3H22254 | 3H33341 | FT | T |
| 2 | 2002 | 9151 | 27 | 3H22450 | 3H31744 | FT | T |
| 2 | 2005 | 9151 | 27 | 3H22447 | 3H31753 | FT | Z |
| 2 | 1945 | 9151 | 27 | 3H22455 | 3H31735 | FT | Z |
| 2 | 2001 | 9152 | 26 | 3H22452 | 3H31748 | FT | T |
| 2 | 2003 | 9152 | 26 | 3H22452 | 3H31750 | FT | T |
| 2 | 2003 | 9153 | 26 | 3H22455 | 3H31748 | FT | T |
| 2 | 2023 | 9153 | 18 | 3H22452 | 3H31770 | ST | T |
| 2 | 2818 | 9154 | 36 | 3H22280 | 3H33372 | ST | F |
| 2 | 2002 | 9154 | 28 | 3H22457 | 3H31745 | FT | T |
| 2 | 2900 | 9155 | 9 | 3H22273 | 3H33562 | ST | F |
| 2 | 2003 | 9155 | 24 | 3H22459 | 3H31744 | FT | T |
| 2 | 1949 | 9157 | 45 | 3H22470 | 3H31725 | FT | T |
| 2 | 2002 | 9157 | 30 | 3H22469 | 3H31739 | FT | Z |
| 2 | 2811 | 9158 | 40 | 3H22323 | 3H33336 | FT | T |
| 2 | 2004 | 9158 | 30 | 3H22473 | 3H31748 | TR | L |
| 2 | 2003 | 9200 | 32 | 3H22475 | 3H31732 | TR | L |
| 2 | 2837 | 9201 | 22 | 3H22336 | 3H33466 | ST | F |
| 2 | 2810 | 9209 | 40 | 3H22431 | 3H33330 | FT | T |
| 2 | 2742 | 9217 | 238 | 3H22504 | 3H33170 | ST | T |
| 2 | 2811 | 9220 | 35 | 3H22534 | 3H33335 | ST | T |
| 2 | 2811 | 9227 | 40 | 3H22595 | 3H33332 | ST | L |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

GULF OF MEXICO
2415 TO 3020 N.LAT. 8100 TO 9730 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|---------|------|--------|
| 2 | 1935 | 9231 | 100 | 3H22552 | 3H31641 | ST | L |
| 2 | 2755 | 9233 | 110 | 3H22650 | 3H33235 | ST | F |
| 2 | 2810 | 9235 | 52 | 3H22677 | 3H33326 | FT | T |
| 2 | 2801 | 9235 | 50 | 3H22670 | 3H33270 | TD | L |
| 2 | 2809 | 9240 | 40 | 3H22725 | 3H35316 | ST | T |
| 2 | 2830 | 9241 | 28 | 3H22745 | 3H33441 | FT | Z |
| 2 | 2843 | 9251 | 17 | 3H22861 | 3H33519 | FT | T |
| 2 | 2753 | 9300 | 100 | 3H22890 | 3H33200 | FT | T |
| 2 | 2737 | 9303 | 200 | 3H22892 | 3H33087 | ST | L |
| 2 | 2925 | 9307 | 8 | 3H23050 | 3H33736 | FT | T |
| 2 | 2735 | 9313 | 210 | 3H22970 | 3H33056 | SN | F |
| 2 | 2737 | 9314 | 170 | 3H22985 | 3H33068 | FT | T |
| 2 | 2805 | 9315 | 51 | 3H23040 | 3H33270 | ST | T |
| 2 | 2825 | 9322 | 40 | 3H23146 | 3H33411 | ST | T |
| 2 | 2729 | 9322 | 315 | 3H23030 | 3H32995 | ST | F |
| 2 | 2806 | 9324 | 44 | 3H23124 | 3H33271 | FT | T |
| 2 | 1842 | 9327 | 33 | 3H22678 | 3H31498 | PT | Z |
| 2 | 2734 | 9330 | 200 | 3H23101 | 3H33015 | ST | T |
| 2 | 2733 | 9335 | 300 | 3H23138 | 3H32995 | ST | F |
| 2 | 2738 | 9337 | 200 | 3H23165 | 3H33031 | ST | T |
| 2 | 2738 | 9341 | 250 | 3H23195 | 3H33024 | ST | T |
| 2 | 2758 | 9343 | 55 | 3H23263 | 3H33182 | ST | T |
| 2 | 1932 | 9346 | 600 | 3H22734 | 3H31492 | PT | Z |
| 2 | 2820 | 9352 | 31 | 3H23404 | 3H33357 | ST | T |
| 2 | 2820 | 9355 | 30 | 3H23432 | 3H33352 | ST | T |
| 2 | 2803 | 9409 | 38 | 3H23480 | 3H33172 | ST | T |
| 2 | 2810 | 9417 | 27 | 3H23562 | 3H33221 | FT | T |
| 2 | 1856 | 9426 | 395 | 3H22814 | 3H31400 | ST | Z |
| 2 | 2803 | 9433 | 33 | 3H23639 | 3H33102 | ST | T |
| 2 | 2808 | 9435 | 31 | 3H23670 | 3H33150 | FT | Z |
| 2 | 2809 | 9436 | 30 | 3H23681 | 3H33151 | FT | Z |
| 2 | 2800 | 9438 | 40 | 3H23653 | 3H33055 | ST | L |
| 2 | 2757 | 9438 | 50 | 3H23643 | 3H33022 | ST | T |
| 2 | 2748 | 9445 | 200 | 3H23643 | 3H32906 | ST | L |
| 2 | 2745 | 9448 | 230 | 3H23664 | 3H32861 | FT | Z |
| 2 | 2745 | 9448 | 230 | 3H23664 | 3H32861 | FT | Z |
| 2 | 2828 | 9450 | 23 | 3H23844 | 3H33300 | FT | Z |
| 2 | 2804 | 9451 | 35 | 3H23736 | 3H33040 | FT | Z |
| 2 | 2757 | 9454 | 50 | 3H23720 | 3H32955 | ST | T |
| 2 | 2805 | 9505 | 38 | 3H23803 | 3H32983 | ST | T |
| 2 | 1846 | 9511 | 39 | 3H22909 | 3H31323 | ST | Z |
| 2 | 2805 | 9518 | 30 | 3H23849 | 3H32912 | ST | T |
| 2 | 2749 | 9521 | 60 | 3H23796 | 3H32730 | FT | T |
| 2 | 2751 | 9530 | 43 | 3H23831 | 3H32730 | FT | F |

NATIONAL MARINE FISHERIES SERVICE
SEFC,PASCAGOULA LAB

HANG DATA

GULF OF MEXICO
2415 TO 3020 N.LAT. 8100 TO 9730 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 2 | 2742 | 9543 | 70 | 3H23836 3H32536 | ST | T |
| 2 | 2804 | 9552 | 22 | 3H23932 3H32705 | ST | L |
| 2 | 2744 | 9610 | 42 | 3H23902 3H32389 | ST | T |
| 2 | 2720 | 9612 | 113 | 3H23834 3H32133 | ST | T |
| 2 | 2745 | 9613 | 40 | 3H23911 3H32380 | FT | Z |
| 2 | 2738 | 9613 | 45 | 3H23891 3H32311 | FT | T |
| 2 | 2710 | 9617 | 175 | 3H23816 3H32002 | ST | L |
| 2 | 2720 | 9620 | 85 | 3H23851 3H32080 | ST | L |
| 2 | 2732 | 9621 | 55 | 3H23887 3H32200 | ST | T |
| 2 | 2610 | 9622 | 55 | 3H23663 3H31428 | ST | L |
| 2 | 2632 | 9628 | 56 | 3H23726 3H31560 | ST | L |
| 2 | 2627 | 9630 | 40 | 3H23725 3H31495 | ST | T |
| 2 | 2030 | 9630 | 205 | 3H23150 3H31199 | ST | T |
| 2 | 2750 | 9633 | 20 | 3H23956 3H32318 | FT | T |
| 2 | 2649 | 9638 | 51 | 3H23801 3H31655 | ST | T |
| 2 | 2628 | 9642 | 25 | 3H23755 3H31414 | FT | T |
| 2 | 2730 | 9645 | 29 | 3H23921 3H32048 | FT | T |
| 2 | 2131 | 9646 | 700 | 3H23246 3H31169 | ST | Z |
| 2 | 2133 | 9648 | 600 | 3H23249 3H31167 | ST | Z |
| 2 | 2621 | 9658 | 19 | 3H23770 3H31243 | ST | T |
| 2 | 2602 | 9706 | 10 | 3H23741 3H03149 | FT | T |
| 2 | 2315 | 9716 | 370 | 3H23446 3H31090 | ST | Z |
| 2 | 2410 | 9727 | 25 | 3H23557 3H31047 | FT | Z |
| 2 | 2255 | 9736 | 23 | 3H23458 3H31068 | ST | T |

WEST INDIES

APPROX.1000 TO 2400 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 3 | 1302 | 5934 | 137 | | ST | T |
| 3 | 1304 | 5941 | 130 | | TD | Z |
| 3 | 1305 | 5943 | 290 | | ST | T |
| 3 | 1028 | 6004 | 355 | | ST | F |
| 3 | 1103 | 6050 | 37 | | ST | T |
| 3 | 1353 | 6050 | 215 | | ST | Z |
| 3 | 1111 | 6054 | 36 | | ST | Z |
| 3 | 1112 | 6054 | 41 | | ST | T |
| 3 | 1109 | 6054 | 34 | | ST | Z |
| 3 | 1339 | 6055 | 155 | | TD | Z |
| 3 | 2002 | 6854 | 30 | | TD | T |
| 3 | 2000 | 6856 | 14 | | TD | Z |
| 3 | 2015 | 6943 | 13 | | TD | Z |

NATIONAL MARINE FISHERIES SERVICE
SEFC,PASCAGOULA LAB

HANG DATA

WEST INDIES

APPROX.1000 TO 2400 N.LAT. 5930 TO 8100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 3 | 2048 | 7131 | 355 | | ST | L |
| 3 | 2052 | 7320 | 180 | | ST | T |
| 3 | 2057 | 7341 | 17 | | ST | L |
| 3 | 2044 | 7343 | 500 | | ST | F |
| 3 | 2336 | 7525 | | 3L33543 3L54820 | | |
| 3 | 2351 | 7659 | 750 | | TD | F |
| 3 | 2411 | 7713 | 150 | | TD | Z |
| 3 | 2330 | 7933 | 5 | | ST | T |
| 3 | 2325 | 7940 | 250 | | ST | L |
| 3 | 2400 | 8027 | 12 | | ST | T |

CARIBBEAN SEA

APPROX 1000 TO 2200 N.LAT. 6100 TO 8900 W.LONG

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 4 | 1404 | 6102 | 36 | | TD | Z |
| 4 | 1536 | 6109 | 364 | | ST | Z |
| 4 | 1536 | 6113 | 332 | | ST | Z |
| 4 | 1522 | 6126 | 110 | | TD | Z |
| 4 | 1534 | 6129 | 48 | | TD | Z |
| 4 | 1535 | 6130 | 160 | | TD | Z |
| 4 | 1210 | 6144 | 98 | | TD | Z |
| 4 | 1212 | 6145 | 100 | | TD | L |
| 4 | 1206 | 6145 | 12 | | TD | Z |
| 4 | 1207 | 6145 | 40 | | TD | Z |
| 4 | 1201 | 6154 | 230 | | ST | Z |
| 4 | 1104 | 6205 | 59 | | TD | Z |
| 4 | 1127 | 6217 | 68 | | ST | T |
| 4 | 1133 | 6230 | 200 | | ST | T |
| 4 | 1708 | 6238 | 18 | | ST | T |
| 4 | 1704 | 6239 | 143 | | ST | Z |
| 4 | 1707 | 6239 | 55 | | TD | Z |
| 4 | 1716 | 6244 | 40 | | TD | Z |
| 4 | 1733 | 6246 | 365 | | ST | L |
| 4 | 1144 | 6247 | 390 | | ST | L |
| 4 | 1104 | 6248 | 25 | | ST | T |
| 4 | 1720 | 6252 | 305 | | ST | T |
| 4 | 1737 | 6300 | 360 | | ST | L |
| 4 | 1338 | 6301 | 392 | | ST | F |
| 4 | 1134 | 6302 | 175 | | ST | L |
| 4 | 1140 | 6305 | 245 | | ST | T |
| 4 | 1810 | 6313 | 31 | | TD | Z |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

CARIBBEAN SEA
APPROX 1000 TO 2200 N.LAT. 6100 TO 8900 W.LONG

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|-----------------|------|--------|
| 4 | 1807 | 6320 | 360 | | ST | L |
| 4 | 1828 | 6322 | 363 | | ST | L |
| 4 | 1737 | 6328 | 228 | | ST | T |
| 4 | 1529 | 6337 | 6 | | TD | Z |
| 4 | 1530 | 6338 | 200 | | ST | T |
| 4 | 1807 | 6338 | 360 | | ST | L |
| 4 | 1740 | 6346 | 405 | | ST | T |
| 4 | 1114 | 6413 | 30 | | ST | Z |
| 4 | 1846 | 6441 | 26 | | ST | T |
| 4 | 1836 | 6446 | 28 | | ST | T |
| 4 | 1836 | 6447 | 25 | | ST | T |
| 4 | 1836 | 6448 | 28 | | ST | T |
| 4 | 1838 | 6457 | 220 | | ST | T |
| 4 | 1815 | 6458 | 23 | | ST | T |
| 4 | 1807 | 6519 | 205 | | ST | T |
| 4 | 1039 | 6520 | 700 | | ST | F |
| 4 | 1044 | 6527 | 700 | | ST | F |
| 4 | 1827 | 6535 | 40 | | ST | T |
| 4 | 1026 | 6543 | 50 | | ST | T |
| 4 | 1830 | 6555 | 150 | | ST | T |
| 4 | 1751 | 6609 | 20 | | ST | T |
| 4 | 1832 | 6647 | 200 | | ST | T |
| 4 | 1051 | 6658 | 53 | | TD | Z |
| 4 | 1054 | 6700 | 175 | | ST | Z |
| 4 | 1056 | 6702 | 230 | | ST | Z |
| 4 | 1826 | 6714 | 250 | | ST | T |
| 4 | 1817 | 6717 | 250 | | ST | T |
| 4 | 1806 | 6724 | 13 | | ST | L |
| 4 | 1046 | 6803 | 40 | | TD | Z |
| 4 | 1120 | 6816 | 240 | | ST | T |
| 4 | 1958 | 6854 | 12 | 3L23155 3L31015 | TD | Z |
| 4 | 1153 | 6928 | 190 | | ST | T |
| 4 | 1235 | 6956 | 280 | | ST | T |
| 4 | 1229 | 7004 | 108 | | FT | Z |
| 4 | 1227 | 7006 | 40 | | FT | Z |
| 4 | 1150 | 7040 | 32 | | ST | T |
| 4 | 1139 | 7124 | 15 | | ST | L |
| 4 | 1231 | 7158 | 205 | | ST | Z |
| 4 | 1202 | 7228 | 33 | | ST | T |
| 4 | 1200 | 7230 | 20 | | FT | T |
| 4 | 1221 | 7231 | 210 | | ST | L |
| 4 | 1219 | 7234 | 195 | | FT | T |
| 4 | 1124 | 7332 | 35 | | ST | Z |
| 4 | 1104 | 7423 | 10 | | ST | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC,PASCAGOULA LAB

HANG DATA

CARIBBEAN SEA
APPROX 1000 TO 2200 N.LAT. 6100 TO 8900 W.LONG

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 4 | 1105 | 7428 | 13 | | ST | T |
| 4 | 1109 | 7428 | 200 | | ST | F |
| 4 | 1119 | 7453 | 580 | | ST | T |
| 4 | 1112 | 7456 | 235 | | ST | L |
| 4 | 1114 | 7521 | 720 | | ST | T |
| 4 | 1107 | 7530 | 600 | | ST | T |
| 4 | 1005 | 7553 | 50 | | TD | Z |
| 4 | 0959 | 7553 | 60 | | ST | T |
| 4 | 0951 | 7557 | 45 | | ST | F |
| 4 | 1004 | 7606 | 110 | | TD | Z |
| 4 | 0912 | 7621 | 24 | | ST | T |
| 4 | 0936 | 7622 | 280 | | ST | T |
| 4 | 0958 | 7629 | 695 | | ST | Z |
| 4 | 0932 | 7638 | 800 | | ST | Z |
| 4 | 0855 | 7656 | 360 | | FT | T |
| 4 | 1736 | 7705 | 16 | | ST | T |
| 4 | 1826 | 7706 | 200 | | TD | Z |
| 4 | 0938 | 7857 | 65 | | TD | Z |
| 4 | 0819 | 7948 | 20 | | ST | T |
| 4 | 0825 | 7956 | 5 | | ST | T |
| 4 | 0826 | 7956 | 8 | | ST | T |
| 4 | 0827 | 7956 | 8 | | ST | T |
| 4 | 1416 | 8026 | 50 | | TD | Z |
| 4 | 1414 | 8029 | 195 | | TD | Z |
| 4 | 1530 | 8104 | 16 | | ST | T |
| 4 | 1454 | 8110 | 280 | | SD | Z |
| 4 | 1515 | 8115 | 110 | | ST | T |
| 4 | 1434 | 8131 | 240 | | FT | T |
| 4 | 1650 | 8133 | 170 | | ST | L |
| 4 | 1707 | 8138 | 400 | | ST | L |
| 4 | 1412 | 8142 | 400 | | ST | F |
| 4 | 1643 | 8153 | 140 | | FT | F |
| 4 | 1322 | 8204 | 300 | | ST | Z |
| 4 | 1241 | 8219 | 74 | | FT | Z |
| 4 | 1302 | 8220 | 80 | | FT | L |
| 4 | 1236 | 8221 | 76 | | ST | Z |
| 4 | 1250 | 8222 | 66 | | ST | T |
| 4 | 1219 | 8222 | 320 | | ST | T |
| 4 | 1246 | 8223 | 70 | | FT | Z |
| 4 | 1233 | 8228 | 85 | | FT | U |
| 4 | 1217 | 8249 | 20 | | ST | T |
| 4 | 1134 | 8307 | 125 | | ST | T |
| 4 | 1623 | 8320 | 55 | | ST | T |
| 4 | 1622 | 8331 | 167 | | ST | L |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

CARIBBEAN SEA
APPROX 1000 TO 2200 N.LAT. 6100 TO 8900 W.LONG

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 4 | 1626 | 8331 | 510 | | ST | F |
| 4 | 1616 | 8359 | 350 | | ST | T |
| 4 | 1612 | 8414 | 350 | | ST | F |
| 4 | 1612 | 8424 | 325 | | ST | F |

NE COAST OF SOUTH AMERICA
0015 TO 1000 N.LAT. 3500 TO 6100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 5 | 0945 | 6047 | 21 | | ST | T |
| 5 | 0942 | 5953 | 120 | | ST | T |
| 5 | 0940 | 5940 | 200 | | ST | T |
| 5 | 0928 | 6004 | 44 | | ST | T |
| 5 | 0924 | 5941 | 110 | | ST | T |
| 5 | 0917 | 5919 | 250 | | ST | T |
| 5 | 0916 | 5915 | 275 | | ST | T |
| 5 | 0903 | 5900 | 75 | | ST | T |
| 5 | 0806 | 5741 | 202 | | FT | T |
| 5 | 0751 | 5442 | 450 | | ST | F |
| 5 | 0748 | 5328 | 500 | | ST | L |
| 5 | 0744 | 5652 | 200 | | ST | T |
| 5 | 0741 | 5348 | 370 | | ST | T |
| 5 | 0738 | 5411 | 75 | | ST | T |
| 5 | 0732 | 5412 | 100 | | ST | T |
| 5 | 0728 | 5435 | 118 | | ST | T |
| 5 | 0728 | 5443 | 93 | | ST | T |
| 5 | 0728 | 5511 | 75 | | TD | T |
| 5 | 0727 | 5347 | 123 | | ST | T |
| 5 | 0725 | 5435 | 78 | | ST | T |
| 5 | 0718 | 5707 | 31 | | ST | T |
| 5 | 0712 | 5647 | 27 | | ST | T |
| 5 | 0709 | 5247 | 380 | | ST | Z |
| 5 | 0702 | 5623 | 35 | | ST | T |
| 5 | 0655 | 5401 | 31 | | ST | L |
| 5 | 0651 | 5341 | 32 | | ST | T |
| 5 | 0650 | 5534 | 28 | | ST | T |
| 5 | 0648 | 5512 | 25 | | ST | F |
| 5 | 0637 | 5503 | 22 | | ST | F |
| 5 | 0637 | 5558 | 20 | | ST | L |
| 5 | 0631 | 5347 | 24 | | ST | L |
| 5 | 0624 | 5445 | 17 | | ST | T |
| 5 | 0624 | 5500 | 16 | | FT | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

NE COAST OF SOUTH AMERICA
0015 TO 1000 N.LAT. 3500 TO 6100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LCRAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 5 | 0623 | 5605 | 17 | | FT | T |
| 5 | 0614 | 5231 | 38 | | ST | F |
| 5 | 0610 | 5238 | 35 | | ST | F |
| 5 | 0608 | 5237 | 30 | | ST | Z |
| 5 | 0556 | 5203 | 39 | | ST | T |
| 5 | 0556 | 5220 | 31 | | ST | T |
| 5 | 0546 | 5202 | 38 | | ST | T |
| 5 | 0543 | 5115 | 100 | | ST | F |
| 5 | 0541 | 5206 | 35 | | ST | T |
| 5 | 0538 | 5252 | 22 | | ST | T |
| 5 | 0420 | 5037 | 38 | | ST | T |
| 5 | 0311 | 3840 | 25 | | ST | T |
| 5 | 0307 | 3841 | 140 | | TD | L |
| 5 | 0304 | 3858 | 30 | | ST | T |
| 5 | 0241 | 4748 | 180 | | ST | T |
| 5 | 0239 | 3908 | 60 | | ST | L |
| 5 | 0232 | 4917 | 11 | | ST | F |
| 5 | 0231 | 4051 | 15 | | ST | T |
| 5 | 0230 | 4750 | 65 | | ST | T |
| 5 | 0228 | 3928 | 24 | | ST | T |
| 5 | 0217 | 3937 | 30 | | ST | T |
| 5 | 0150 | 4731 | 45 | | ST | T |
| 5 | 0145 | 4646 | 275 | | ST | T |
| 5 | 0137 | 4645 | 64 | | ST | T |
| 5 | 0023 | 4705 | 21 | | ST | T |
| 5 | 0017 | 4427 | 60 | | ST | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

CARIBBEAN SEA
APPROX 1000 TO 2200 N.LAT. 6100 TO 8900 W.LONG

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 4 | 1626 | 8331 | 510 | | ST | F |
| 4 | 1616 | 8359 | 350 | | ST | T |
| 4 | 1612 | 8414 | 350 | | ST | F |
| 4 | 1612 | 8424 | 325 | | ST | F |

NE COAST OF SOUTH AMERICA
0015 TO 1000 N.LAT. 3500 TO 6100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LORAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 5 | 0945 | 6047 | 21 | | ST | T |
| 5 | 0942 | 5953 | 120 | | ST | T |
| 5 | 0940 | 5940 | 200 | | ST | T |
| 5 | 0928 | 6004 | 44 | | ST | T |
| 5 | 0924 | 5941 | 110 | | ST | T |
| 5 | 0917 | 5919 | 250 | | ST | T |
| 5 | 0916 | 5915 | 275 | | ST | T |
| 5 | 0903 | 5900 | 75 | | ST | T |
| 5 | 0806 | 5741 | 202 | | FT | T |
| 5 | 0751 | 5442 | 450 | | ST | F |
| 5 | 0748 | 5328 | 500 | | ST | L |
| 5 | 0744 | 5652 | 200 | | ST | T |
| 5 | 0741 | 5348 | 370 | | ST | T |
| 5 | 0738 | 5411 | 75 | | ST | T |
| 5 | 0732 | 5412 | 100 | | ST | T |
| 5 | 0728 | 5435 | 118 | | ST | T |
| 5 | 0728 | 5443 | 93 | | ST | T |
| 5 | 0728 | 5511 | 75 | | TD | T |
| 5 | 0727 | 5347 | 123 | | ST | T |
| 5 | 0725 | 5435 | 78 | | ST | T |
| 5 | 0718 | 5707 | 31 | | ST | T |
| 5 | 0712 | 5647 | 27 | | ST | T |
| 5 | 0709 | 5247 | 380 | | ST | Z |
| 5 | 0702 | 5623 | 35 | | ST | T |
| 5 | 0655 | 5401 | 31 | | ST | L |
| 5 | 0651 | 5341 | 32 | | ST | T |
| 5 | 0650 | 5534 | 28 | | ST | T |
| 5 | 0648 | 5512 | 25 | | ST | F |
| 5 | 0637 | 5503 | 22 | | ST | F |
| 5 | 0637 | 5558 | 20 | | ST | L |
| 5 | 0631 | 5347 | 24 | | ST | L |
| 5 | 0624 | 5445 | 17 | | ST | T |
| 5 | 0624 | 5500 | 16 | | FT | T |

NATIONAL MARINE FISHERIES SERVICE
SEFC, PASCAGOULA LAB

HANG DATA

NE COAST OF SOUTH AMERICA
0015 TO 1000 N.LAT. 3500 TO 6100 W.LONG.

| REGION | LATITUDE | LONGITUDE | DEPTH(FMS) | LCRAN A | GEAR | DAMAGE |
|--------|----------|-----------|------------|---------|------|--------|
| 5 | 0623 | 5605 | 17 | | FT | T |
| 5 | 0614 | 5231 | 38 | | ST | F |
| 5 | 0610 | 5238 | 35 | | ST | F |
| 5 | 0608 | 5237 | 30 | | ST | Z |
| 5 | 0556 | 5203 | 39 | | ST | T |
| 5 | 0556 | 5220 | 31 | | ST | T |
| 5 | 0546 | 5202 | 38 | | ST | T |
| 5 | 0543 | 5115 | 100 | | ST | F |
| 5 | 0541 | 5206 | 35 | | ST | T |
| 5 | 0538 | 5252 | 22 | | ST | T |
| 5 | 0420 | 5037 | 38 | | ST | T |
| 5 | 0311 | 3840 | 25 | | ST | T |
| 5 | 0307 | 3841 | 140 | | TD | L |
| 5 | 0304 | 3858 | 30 | | ST | T |
| 5 | 0241 | 4748 | 180 | | ST | T |
| 5 | 0239 | 3908 | 60 | | ST | L |
| 5 | 0232 | 4917 | 11 | | ST | F |
| 5 | 0231 | 4051 | 15 | | ST | T |
| 5 | 0230 | 4750 | 65 | | ST | T |
| 5 | 0228 | 3928 | 24 | | ST | T |
| 5 | 0217 | 3937 | 30 | | ST | T |
| 5 | 0150 | 4731 | 45 | | ST | T |
| 5 | 0145 | 4646 | 275 | | ST | T |
| 5 | 0137 | 4645 | 64 | | ST | T |
| 5 | 0023 | 4705 | 21 | | ST | T |
| 5 | 0017 | 4427 | 60 | | ST | T |