|                             |                 |             |                           |              |  | P.     | *                     |         | ٥  |  | •                | <b>4</b><br>5                          | •             |                 |      |                          |                         | a e       | Pg       | <u> </u>  | of          |
|-----------------------------|-----------------|-------------|---------------------------|--------------|--|--------|-----------------------|---------|--|--|------------------|--|---------------|-----------------|------|--------------------------|-------------------------|-----------|----------|-----------|-------------|
| Cons                        |                 | Cast        | #                         | Vessel       | MF   | F      | Proj. & Le;<br>MF=93- | § 7     | Eve  | nt#  | Vessel           | Sta. I.D.                              | Inst          | ructions        |      |                          |                         |           | Sta. D   | esignatio | <b>n</b> ;  |
| Conse<br>Cast               | ec.             | Deg         | Latitu                    |              | or<br>S De                                       | Longit |                       | Date    | JD =<br>Mo.                                  | Yr.  | Tim<br>GM<br>Hr. |  | Dry<br>Bulb   | Wet<br>Bulb     | 10   | Bar.<br>mb 's<br>16.0 's |                         | Wind Pno  |          | h, m      | or I.D      |
| 00                          | $\ \cdot\ $     | 5 4         | 117                       | 06           | N 15   | 831    | 624                   | 20      | M A Y  | 9 3  | 03               | 44 (                                   | 068           | 06              | 8 1  | 63                       | 7000                    | 128       | 6210     | 66B       | PRYE        |
| Type<br>Pres<br>Tem<br>Cond | :s. St<br>p. St | N<br>N<br>N | 9122<br>250<br>701<br>303 | 84           | Te   | ond    | on Deck               |         |  | Surfa  | ce               | Da<br>at Su<br>Start I<br>at Bo<br>Sta | Down<br>ottom | - 2<br>- 2/<br> |      | Rema                     | e/Diskette<br>rks Seaca | + inclu   | File Nar |           | 326         |
| _                           | <u> </u>        |             | Taia                      |              |  | ther   | - M -                 | nitor V |  |  | ·                |  | ta off        | n. Values       | CTD  | 501 ~                    | lo Sar                  | nple Bot. | L for co |           |             |
| Pos.                        | ot.             | Rack        | Trip<br>Depth             | Tim<br>Depth | e @<br>Trip                                      | Press  |                       |         | Cond.  | 0  | ther             | Press.                                 | Temp          |                 |      | Sal.                     |                         | Avg Tw    |          | Bot. #    | Other Samp. |
|                             |                 | B           | 300                       | 034851       |  |        |                       |         |  |  |                  | 300.82                                 | 1 4.02        | 3 31.83         | 30 3 | 3.956                    |                         |           |          | 08        |             |
| 2                           |                 |             |                           |              |  |        |                       |         |  |  |                  |  |               | 88 II 30 II     |      |                          |                         |           |          |           | 1 2         |
| 3                           | ×               |             |                           | Ş            |  |        |                       |         |  |  | -                |  |               |                 | 2    |                          |                         |           |          |           |             |
| 4                           |                 |             | 5                         | X            |  |        |                       |         |  |  | - 12             | =38                                    |               |                 |      | ,                        |                         |           |          |           |             |
| 5                           |                 | - 1         |                           |              |  |        |                       |         |  |  | 58 III           | 3                                      |               | 2               |      |                          |                         |           |          | V R       |             |
| 6                           |                 |             |                           |              |  | 1      |                       |         |  |  |                  |  |               |                 |      |                          |                         |           |          |           |             |
| 7                           |                 |             |                           |              |  |        |                       | 1       |  | <del>                                     </del> |                  |  |               |                 |      |                          |                         |           |          |           |             |
| 8                           |                 |             |                           |              |  |        |                       |         | ·  |  |                  |  | 11            |                 |      |                          |                         |           |          |           |             |
| 9                           |                 |             |                           |              |  | 1      |                       |         |  |  |                  | Ų                                      |               |                 | ŭ    |                          |                         |           | 2.       |           |             |
| 10                          |                 |             |                           |              |  | 1      |                       | ×       |  |  | S.               | 12                                     |               |                 | A.V. |                          |                         |           | = 24     |           | 1 =         |
| 11                          |                 |             | -                         | A.           | <del>                                     </del> | 1      |                       |         | <u>.                                    </u> | _  | <del></del>      | -                                      | × = 383       |                 | e 13 |                          |                         |           |          | i         |             |
| 12                          |                 |             | 16                        |              | 1  | 1      |                       |         | ·-·········                                  | -  |                  | I 2                                    |               |                 |      |                          |                         |           | 19       | = ;       | 1           |
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|     | 1.0                 |                         |                           | CONTRACTOR   | (le 4       | i di camanata di Santa da Maria da Maria da<br>O | to an ability margin as               | المحادة والمراجع والمراجع والمجاهدية |                |                       | 9763                | *           |            |   | 8                  |               |                    | 10.00       |  |
|-----|---------------------|-------------------------|---------------------------|--------------|-------------|--|---------------------------------------|--------------------------------------|----------------|-----------------------|---------------------|-------------|------------|---|--------------------|---------------|--------------------|-------------|--|
|     |                     |                         |                           |              | 200         |  | 411                                   | 0                                    |                | 0 6,,                 |                     |             |            |   | a 4                |               |                    | of          |  |
|     | Consec              | .Cast                   | #<br>~                    | Vessel       | 021         | Proj<br>M  | . <b>&amp; Leg</b><br>F=93=0 <b>7</b> | Eve.                                 | nt# Vesso      | el Sta. 1.D.          | Instru              | actions     | 4          |   |                    | Sta. D        | esignation R47     | n :         |  |
|     | Consec<br>Cast #    |                         | Latitu<br>g.              |              | or<br>S Deg | Longitude  | e E Da<br>og                          | ite JD=/                             | i G            | me<br>MT<br>Min.      | Dry<br>Bulb         | Wet<br>Bulb | Bar.<br>mb | Wind Dir.                               | Wind pnol Sp. Cond | Meath<br>Dept | tom S<br>th, m     | or I.D      |  |
|     | 002                 | 5                       | 3 2 5                     | 36           | n / 5       | 7/69   | 0 W 2                                 | OM AY                                | 9 3 1 4        | 490                   | 74                  | 070         | 113        | 7320                                    | 0787               | 246           | 50B                | PR 47       |  |
| V.  | Type & Press. Temp. | TD<br>SN_<br>SN_<br>SN_ | 9122<br>250<br>701<br>303 | 84           | ,           | ess  | Deck                                  |                                      | Surface        | Data  at Sur  Start D | a on<br>face<br>own |             | Tap        | e/Diskette                              |                    |               | me/Heac<br>2 – Lor |             |  |
|     | Cond.               | SN                      | J0J                       |              | _   C       | mpond  |                                       |                                      |                | Start<br>at Sui       | a off               |             |            | Remarks                                 |                    |               |                    |             |  |
|     | S Bot               | T<br>Rack               | Trip                      | Tim<br>Depth | e @         | Press.   | Monito<br>Temp.                       | r Values  Cond.                      | Other          | Press.                | onv. Mon<br>Temp.   | . Values-C  | Sal.       | * · · · · · · · · · · · · · · · · · · · | Avg Tw             | Sal.          | Bot. #             | Other Samp. |  |
|     | 1                   | /                       | 500                       | 14.49        | M:54        | 1103.  | Temp.                                 | Cond.                                | Other          | 502.158               |                     | 31.695      |            |   |                    |               | 29                 |             |  |
|     | 2                   |                         |                           |              |             |  |                                       |                                      |                |                       |                     |             |            |   |                    |               | 11.                | 2           |  |
|     | 3                   |                         |                           |              |             |  |                                       |                                      |                |                       |                     |             |            |   |                    |               |                    | 3           |  |
|     | 4                   |                         |                           |              | - XX        | == , , , ,                                       | 8                                     |                                      |                | 31                    |                     |             |            |   |                    |               |                    |             |  |
|     | 5                   |                         |                           |              |             |  |                                       |                                      |                |                       |                     |             |            | 8                                       |                    |               |                    |             |  |
| . , | 6                   |                         |                           |              |             |  |                                       |                                      |                | 8011                  |                     |             |            |   |                    |               |                    |             |  |
|     | 7                   |                         |                           |              |             |  |                                       |                                      |                |                       |                     |             |            |   |                    |               |                    |             |  |
|     | 8                   |                         |                           |              | _ 8         |  |                                       |                                      |                |                       |                     |             |            |   | 1                  |               |                    |             |  |
|     | 9                   |                         |                           |              |             |  |                                       |                                      | 19             |                       |                     | G.          |            | =                                       |                    |               |                    |             |  |
| 5 8 | 10                  |                         |                           |              |             |  |                                       |                                      | = 25           |                       |                     |             |            |   |                    | - X           |                    |             |  |
|     | 11                  |                         |                           | - A          |             | 1  |                                       | =87(                                 | N-             |                       |                     |             |            |   |                    |               |                    |             |  |
|     | 12                  |                         |                           |              | M W         |  | ų.                                    |                                      | s              |                       |                     |             |            |   |                    |               |                    |             |  |
| ,   | <u> </u>            |                         | •                         |              | 1           |  | 1                                     | <u>. L </u>                          | <del>- I</del> |                       |                     |             |            |   |                    |               | loisial            | c 1 F       |  |

| Co   | nsec.<br>O(     | Cast 1 | #          | Vessel       | ME              | Pro         | j. & Leg<br>VF=93-0 | 7       | Eve           | T#     | Vessel    | Sta. I.D. | Inst                         | ructions       | •                  |       |                 |                         | 5              | ca. Des         | ignatio            | n                          |      |
|------|-----------------|--------|------------|--------------|-----------------|-------------|---------------------|---------|---------------|--------|-----------|-----------|------------------------------|----------------|--------------------|-------|-----------------|-------------------------|----------------|-----------------|--------------------|----------------------------|------|
|      | nsec.<br>st #   | Deg    | Latitu     |              | N<br>or<br>S De | Longitud    |                     | Date    | JD =/         |        | Tim<br>GM |           | Dry<br>Bulb                  | Wet<br>Bulb    | Bar<br>mb<br>/007. | S. S. | Wind<br>Si Dir. | Wind pno Sp.            | lype<br>Weath. | Botto<br>Depth, |                    | ta. Nam<br>or I.D<br>dople | -    |
| Ъ    | 03              | 5 a    | Da         | 79           | NIB             | 8 45 6      | 18 4                | 20      | Y A M         | 9 3    | 07        | 10        | 053                          | 068            | 4 1                |       | 7295            | 286                     | 7/1            | 7 7 5           | 63                 | PRA                        | 1 1  |
| Тур  | CT<br>be & S    | D      | 9122       |              | -               | 0           | M<br>n Deck         |         | Checks<br>at: | Surfac | ce        |           | imes<br>ata on               | JD/Time        |                    | Тар   | e/Diskette      | <b>Data Loc</b><br>I.D. |                | e Name          | <i>BP</i><br>∕Head | R 36/<br>leasol<br>er      |      |
|      | ess. S<br>mp. S |        | 250<br>701 |              | ·  <br>  Pr     | ess         |                     |         |               | ·      |           |           | urface'<br>Down              | 0430           |                    |       |                 |                         | Cost           | 003             | 21 M               | ry 042                     | 3    |
| 1    | ond. S          |        | 303        |              | _   Te          | mp          |                     |         |               |        |           | at B      | ottom                        | 0444           | :                  |       |                 |                         |                |                 |                    |                            | 1    |
| -    |                 | -      | 27.        |              | - 1             | ond<br>ther |                     |         |               |        |           | at S      | art Up0<br>urface<br>ata off | 04 45<br>0502- |                    | Rema  | rks 50%         | /w/o                    |                |                 | EW II              | el 59                      | 86 / |
| Pos. |                 | Т      | Trip       | Tim          | ie @            |             | Мо                  | nitor \ | √alues        |        | =-/J      |           | Conv. Mo                     | n. Values-C    |                    |       |                 | nple Bot.D              |                |                 | Sal.               | Other<br>Samp.             | os.  |
| P.   | Bot.            |        |            | Depth 046339 |                 | Press.      | Ten                 | np.     | Cond.         | 0      | ther      | Press.    | Temp                         |                |                    | al    | Therm-P         | Avg Tw                  | 5              | al.             |                    | Samp.                      | 1    |
| -    | <b>V</b>        | B      | 100        | 010 101      | 0.00            |             | -                   |         |               | 8      |           |           | 5,000                        | 30.00          | 33.1               | 7     |                 |                         |                |                 | //                 | Par L                      | -    |
| 2    |                 |        |            |              |                 | <u> </u>    |                     |         | <u> </u>      | M      |           |           |                              |                |                    |       |                 |                         |                |                 |                    |                            | 2    |
| 3    | = 35            |        | ····       |              |                 |             | <u> </u>            |         |               | ļ      |           |           |                              |                |                    |       |                 |                         | ļ              |                 |                    |                            | 3    |
| 4    |                 |        |            | _            |                 |             |                     | -       |               |        | =         | 131       | ۸                            |                |                    |       | _               |                         | 1              |                 |                    | ŢŢŖŸ.                      | 4    |
| 5    |                 |        |            | =            |                 | 1           |                     | l       |               |        |           |           |                              | 6              |                    |       |                 |                         |                | ÷               |                    |                            | 5    |
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| , I  | 2               |        |            |              |                 |             |                     |         |               | 38     | 111       |           |                              |                |                    |       |                 |                         |                |                 | Inirials           |                            | 1    |

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| The state of the s | n n                        |                         | 0         | o                  | t.   | • <sub>ss</sub> =                 |             |                      | 2               | n <u>*</u> | Pg. <u>4</u>                            | 。      | <u> </u>          |
|--|----------------------------|-------------------------|-----------|--------------------|--|-----------------------------------|-------------|----------------------|-----------------|------------|---|--------|-------------------|
| Consec.Cast # Vessel   | MF-                        | k Leg<br>-93-0 <b>7</b> | Event#    | Vessel S           | ta. I.D.   | Instru                            | ctions      | •                    |                 |            | Sta. Desig                              | nation | :                 |
| Consec. Cast # Deg. Min. S   |                            | E Date or W Day         | JD =      | Time<br>GMT<br>Hr. | .   '  | Ory<br>Bulb                       | Wet<br>Bulb | Bar.<br>mb<br>1002.0 | Wind<br>Si Dir. | Wind pholo | Bottom<br>Depth, n                      | Sta    | a. Name<br>or I.D |
| 004520130n   | 1554350                    | W2 I M                  | A Y 9 3   | 18                 | 010  | 61                                | 045         | 024                  | 7290            | 2-165      | 1468                                    | 7      |                   |
| CTD 91220- Type & SN 91220- Press. SN 25084 Temp. SN 701 Cond. SN 303  | on E Press Temp Cond Other |                         | at Surfac | e                  | at Surfa<br>Start Dov<br>at Botto<br>Start I<br>at Surfa | on<br>on<br>wn<br>om<br>Jp<br>ace |             |                      | e/Diskette      | (o         | File Name/<br>stoo4-21                  | May    | 740               |
| ي T Trip Time @  |                            | Monitor Va              | lues      |                    | Co   |                                   | Values-CT   | D                    | Sar             | nple Bot.D | ata                                     | Sal.   | Other Samp.       |
| Bot. Rack Depth Depth T  |                            | Temp. C                 | ond. Ot   | her                | Press.   | Temp.                             | Cond.       | Sal.                 | Therm-P         | Avg Tw     | Sal. B                                  | ot. #  | Samp.             |
|  | 0:15                       |                         |           | 2                  | 80.705   | 3.869                             | 31.685      | 33.999               |                 |            | 0                                       | /      | 2                 |
| 3  |                            |                         |           |                    |  | 3888                              |             |                      |                 |            |   |        | 3                 |
| 4  |                            |                         |           |                    | ,  |                                   |             |                      |                 |            |   |        | 4                 |
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| 6  |                            |                         |           |                    |  |                                   | 8           |                      |                 |            |   | 11.    |                   |
| 7  |                            |                         |           | - E                |  |                                   |             |                      |                 |            |   |        |                   |
| 8  |                            |                         |           |                    |  |                                   |             |                      |                 |            |   |        |                   |
| 9  |                            |                         |           |                    |  | -                                 |             |                      |                 |            |   |        |                   |
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| II a far la la la  |                            |                         |           |                    |  |                                   |             |                      |                 |            |   |        |                   |
| 12   |                            |                         |           |                    | 10.  |                                   |             |                      |                 |            |   |        |                   |