

|                                |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
|--------------------------------|------------|---------------------------------|------------|------------|----------|---------------------|------------|---------|---------------|------------------|---------------|------------------|---------------|-------------------------|-----------|--------------|------------|------------|------------------|----------------------|-----------------|---|-------------|-----|---------|--|--------------|--|--------------|--|
| VESSEL<br>NOAA RONALD H. BROWN |            | PROJECT & LEG<br>RB-00-07 LEG 2 |            | DSDB I.D.  |          | STATION DESIGNATION |            | PG 1 OF |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| CONSC<br>CAST<br>#             | LATITUDE   |                                 | LONGITUDE  |            | DATE JD= |                     | TIME (GMT) |         | DRY BULB (°C) |                  | WET BULB (°C) |                  | PRESSURE (mb) |                         | SEA STATE |              | VISIBILITY |            | WIND DIRN. (deg) |                      | WIND SPD. (m/s) |   | CLOUD (amt) |     | WEATHER |  | BOTTOM DEPTH |  | STA. NAME/ID |  |
|                                | DEG        | MIN                             | DEG        | MIN        | DAY      | MO                  | YR         | HR      | MIN           | (°C)             | (°C)          | (mb)             | *             | *                       | *         | *            | (m/s)      | (deg)      | (m/s)            | *                    | *               | * | *           | (m) |         |  |              |  |              |  |
| 001                            | 57         | 50.67                           | N          | 176        | 52.59    | W                   | 18         | SEP     | 00            | 04               | 30            | 07               | 8.4           | 5.2                     | 22.3      | 7            | 0          | 5          | 6                | 10                   | 6               | 8 | 2           | 6   | 7       |  |              |  |              |  |
| SBCE 9+ 0 P9852 - 0382         |            | TIMES                           |            | JD/TIME    |          | DATA LOCATION       |            | REMARKS |               | Tape/Diskette ID |               | File Name/Header |               | Cleared air bleed valve |           | MAX. DEPTH = |            | TRANS. S/N |                  | SAMPLE BOTTLE NUMBER |                 |   |             |     |         |  |              |  |              |  |
| PRESS SN 58955                 |            | DATA ON                         |            |            |          | START DOWN          |            | CTD     |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| PRI TEMP SN 1713               |            | START DOWN                      |            |            |          | AT DEPTH            |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| SEC TEMP SN 2866               |            | AT SURFACE                      |            |            |          | AT SURFACE          |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| PRI COND SN 1473               |            | PAR S/N                         |            |            |          | FLUOR SWL #         |            | 6 2 3 9 |               | CHIAM S/N        |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| SEC COND SN 529                |            | CTD CONVERTED MONITOR VALUES    |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| POS.                           | TRIP DEPTH | PRESSURE                        | PRI. TEMP. | SEC. TEMP. | SALINITY | SAMPLE BOTTLE DATA  |            | SAL.    | CHL.          | WHIT'S NUTR.     |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 1                              |            |                                 |            |            |          |                     |            | 61      |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 2                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 3                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 4                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 5                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 6                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 7                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 8                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 9                              |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 10                             |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 11                             |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |
| 12                             |            |                                 |            |            |          |                     |            |         |               |                  |               |                  |               |                         |           |              |            |            |                  |                      |                 |   |             |     |         |  |              |  |              |  |



|                                |          |                                 |                              |         |          |               |               |                  |                     |                     |            |                        |                       |                   |                              |                 |         |  |
|--------------------------------|----------|---------------------------------|------------------------------|---------|----------|---------------|---------------|------------------|---------------------|---------------------|------------|------------------------|-----------------------|-------------------|------------------------------|-----------------|---------|--|
| VESSEL<br>NOAA RONALD H. BROWN |          | PROJECT & LEG<br>RB-00-07 LEG 2 |                              |         |          | DSDB I.D.     |               |                  |                     | STATION DESIGNATION |            |                        |                       | PG _____ OF _____ |                              |                 |         |  |
| CONSC<br>CAST<br>#             | LATITUDE |                                 | LONGITUDE                    |         | DATE JD= |               | TIME<br>(GMT) |                  | DRY<br>BULB<br>(°C) | WET<br>BULB<br>(°C) | SEA STATE  | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | WEATHER           | BOTTOM<br>DEPTH              | STA.<br>NAME/ID |         |  |
|                                | DEG      | MIN                             | DEG                          | MIN     | DAY      | MO            | YR            | HR               | MIN                 | (°C)                | (°C)       | * * *                  | (m/s)                 | CLD (amt)         | TYPE                         |                 |         |  |
| 4435864333N                    | 168      | 43.83                           | W                            | 18      | S        | E             | P             | 0                | 1                   | 11                  | 0          | 37                     | 00                    | 5                 | 10                           | 781             | 678504M |  |
| SBE 9+0 P9852 - 0382           |          | TIMES                           |                              | JD/TIME |          | DATA LOCATION |               | Tape/Diskette ID |                     | File Name/Header    |            | REMARKS                |                       |                   |                              |                 |         |  |
| PRESS SN                       | 58955    |                                 | DATA ON                      |         |          |               | START DOWN    |                  | CTD                 |                     |            |                        |                       |                   |                              |                 |         |  |
| PRI TEMP SN                    | 1713     |                                 | AT DEPTH                     |         |          |               | AT SURFACE    |                  |                     |                     |            |                        |                       |                   | Cleaned air bleed valve      |                 |         |  |
| SEC TEMP SN                    | 2866     |                                 | PAR S/N                      |         |          |               | FLUOR SWL #   |                  | 6 2 3 9             |                     | ChiAM S/N  |                        |                       |                   | MAX. DEPTH = m               |                 |         |  |
| PRI COND SN                    | 1473     |                                 | CTD CONVERTED MONITOR VALUES |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | TRANS. S/N                   |                 |         |  |
| SEC COND SN                    | 529      |                                 | PRESSURE                     |         |          |               | PRI. TEMP.    |                  |                     |                     | SEC. TEMP. |                        |                       |                   | SAMPLE BOTTLE DATA           |                 |         |  |
| TRIP<br>DEPTH                  |          |                                 | - did not calibrate          |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | SAMPLE BOTTLE NUMBER         |                 |         |  |
| 1                              | ~67 ✓    |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | Red                          |                 |         |  |
| 2                              | 50 ✓     |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | SAL. NUTR. CHL. WHIT'S NUTR. |                 |         |  |
| 3                              | 40 ✓     |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | 4 24                         |                 |         |  |
| 4                              | 30 ✓     |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | 23                           |                 |         |  |
| 5                              | 20 ✓     |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | 22                           |                 |         |  |
| 6                              | 10 ✓     |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | 21                           |                 |         |  |
| 7                              | 0 ✓      |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | 20                           |                 |         |  |
| 8                              |          |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   | 19                           |                 |         |  |
| 9                              |          |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   |                              |                 |         |  |
| 10                             |          |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   |                              |                 |         |  |
| 11                             |          |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   |                              |                 |         |  |
| 12                             |          |                                 |                              |         |          |               | SALINITY      |                  |                     |                     | SALINITY   |                        |                       |                   |                              |                 |         |  |

| VESSEL  |            | PROJECT & LEG  |            |            |          | STATION DESIGNATION |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
|---|------------|----------------|------------|------------|----------|---------------------|--------------------|---------------|---------------|---------------|--------------|------------------|-----------------|-------------|---------|--------------|--------------|----|----|-----|------|------|------|
| NOAA RONALD H. BROWN  |            | RB-00-07 LEG 2 |            |            |          | DSDB I.D.           |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| CONSC CAST #  | LATITUDE   |                | LONGITUDE  |            | DATE JD= |                     | TIME (GMT)         | DRY BULB (°C) | WET BULB (°C) | PRESSURE (mb) | SEA STATE    | WIND DIRN. (deg) | WIND SPD. (m/s) | CLOUD (amt) | WEATHER | BOTTOM DEPTH | STA. NAME/ID |    |    |     |      |      |      |
|   | DEG        | MIN            | DEG        | MIN        | DAY      | MO                  |                    |               |               |               |              |                  |                 |             |         |              |              | YR | HR | MIN | (°C) | (°C) | (mb) |
| 044   | 57         | 55.61          | N          | 169        | 19       | 52                  | W                  | 18            | SEP           | 00            | 13           | 26               | 7.2             | 4.8         | 233     | 7            | 3            | 44 | 08 | 62  | 67   | 85   | 44   |
| REMARKS   |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| SBE 9+ 0 P9852 - 0382   |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| PRESS SN 58955  |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| PRI TEMP SN 1713  |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| SEC TEMP SN 2866  |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| PRI COND SN 1473  |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| SEC COND SN 529   |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| <input type="checkbox"/> PAR S/N _____ <input checked="" type="checkbox"/> FLUOR SWL # 6 2 3 9 <input type="checkbox"/> CHIAM S/N _____<br>CTD CONVERTED MONITOR VALUES |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| POS.  | TRIP DEPTH | PRESSURE       | PRI. TEMP. | SEC. TEMP. | SALINITY | SALINITY            | SAMPLE BOTTLE DATA | SAL.          | NUTR.         | CHL.          | WHIT'S NUTR. |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 1   | ~70        |                |            |            |          |                     |                    |               | .34           |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 2   | 50         |                |            |            |          |                     |                    |               | .29           |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 3   | 40         |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 4   | 30         |                |            |            |          |                     |                    |               | .28           |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 5   | 20         |                |            |            |          |                     |                    |               | .27           |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 6   | 10         |                |            |            |          |                     |                    |               | .26           |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 7   | 0          |                |            |            |          |                     |                    |               | .25           |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 8   |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 9   |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 10  |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 11  |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |
| 12  |            |                |            |            |          |                     |                    |               |               |               |              |                  |                 |             |         |              |              |    |    |     |      |      |      |





| VESSEL                |            | PROJECT & LEG  |            |            |                  | STATION DESIGNATION |                  |                    |               | PG _____ OF _____ |               |           |                  |                 |             |         |              |              |
|-----------------------|------------|----------------|------------|------------|------------------|---------------------|------------------|--------------------|---------------|-------------------|---------------|-----------|------------------|-----------------|-------------|---------|--------------|--------------|
| NOAA RONALD H. BROWN  |            | RB-00-07 LEG 2 |            |            |                  | DSDB I.D.           |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| CONSC CAST #          | LATITUDE   |                | LONGITUDE  |            | DATE JD=         |                     | TIME (GMT)       |                    | WET BULB (°C) | DRY BULB (°C)     | PRESSURE (mb) | SEA STATE | WIND DIRN. (deg) | WIND SPD. (m/s) | CLOUD (amt) | WEATHER | BOTTOM DEPTH | STA. NAME/ID |
|                       | DEG        | MIN            | DEG        | MIN        | DAY              | MO                  | HR               | MIN                |               |                   |               |           |                  |                 |             |         |              |              |
| 8075746.57 N          | 16827.68 W | 18             | SEP        | 00         | 19               | 42                  | 8.3              | 5.6                | 21.3          | 7                 | 025           | 48        | 7                | 678             | 544E        |         |              |              |
| SBE 9+ 0 P9852 - 0382 |            | TIMES          |            | JD/TIME    |                  | DATA LOCATION       |                  | REMARKS            |               |                   |               |           |                  |                 |             |         |              |              |
| PRESS SN              | 58955      |                | DATA ON    |            | Tape/Diskette ID |                     | File Name/Header |                    |               |                   |               |           |                  |                 |             |         |              |              |
| PRI TEMP SN           | 1713       |                | START DOWN |            | CTD              |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| SEC TEMP SN           | 2866       |                | AT DEPTH   |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| PRI COND SN           | 1473       |                | AT SURFACE |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| SEC COND SN           | 529        |                | PAR S/N    |            | FLUOR SWL #      |                     | 6 2 3 9          |                    | ChIAM S/N     |                   | TRANS. S/N    |           |                  |                 |             |         |              |              |
| POS.                  | TRIP DEPTH | PRESSURE       |            | PRI. TEMP. | SEC. TEMP.       | SALINITY            |                  | SAMPLE BOTTLE DATA |               | SAL.              | blue NUTR.    | CHL.      | WHIT'S NUTR.     |                 |             |         |              |              |
| 1                     | 50         |                |            |            |                  |                     |                  |                    |               | 7                 |               | 283       |                  |                 |             |         |              |              |
| 2                     | 50         | - mistfired    |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 3                     | 20         | - mistfired    |            |            |                  |                     |                  |                    |               | 4                 |               | 282       |                  |                 |             |         |              |              |
| 4                     | 20         |                |            |            |                  |                     |                  |                    |               | 2                 |               | 287       |                  |                 |             |         |              |              |
| 5                     | 0          |                |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 6                     | 0          | - leaker       |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 7                     |            |                |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 8                     |            |                |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 9                     |            |                |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 10                    |            |                |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 11                    |            |                |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |
| 12                    |            |                |            |            |                  |                     |                  |                    |               |                   |               |           |                  |                 |             |         |              |              |

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| VESSEL               |            | PROJECT & LEG  |           |                     |            | STATION DESIGNATION |            |               |               | PG OF              |                  |                      |             |            |                  |              |        |
|----------------------|------------|----------------|-----------|---------------------|------------|---------------------|------------|---------------|---------------|--------------------|------------------|----------------------|-------------|------------|------------------|--------------|--------|
| NOAA RONALD H. BROWN |            | RB-00-07 LEG 2 |           |                     |            | DSDB I.D.           |            |               |               |                    |                  |                      |             |            |                  |              |        |
| CONSCAST #           | LATITUDE   |                | LONGITUDE |                     | DATE JD=   |                     | TIME (GMT) | DRY BULB (°C) | WET BULB (°C) | SEA STATE          | WIND DIRN. (deg) | WIND SPD. (m/s)      | CLOUD (amt) | WEATHER    | BOTTOM DEPTH (m) | STA. NAME/ID |        |
| 009                  | 5652.79 N  | 16403.38 W     | 20        | 09                  | 14         | 25                  | 16.0       | 9.5           | 11            | 3                  | 7                | 16.5                 | 15          | 8          | 6                | 5            | 7385M2 |
| SBE 9+0 P9852 - 0382 |            | TIMES          |           | JD/TIME             |            | DATA LOCATION       |            | REMARKS       |               |                    |                  |                      |             |            |                  |              |        |
| PRESS SN 58955       |            | DATA ON        |           | Tape/Diskette ID    |            | File Name/Header    |            |               |               |                    |                  |                      |             |            |                  |              |        |
| PRI TEMP SN 1713     |            | START DOWN     |           | CTD                 |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| SEC TEMP SN 2866     |            | AT DEPTH       |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| PRI COND SN 1473     |            | AT SURFACE     |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| SEC COND SN 529      |            | PAR S/N        |           | FLUOR SWL # 6 2 3 9 |            | CHIAM S/N           |            |               |               |                    |                  |                      |             |            |                  |              |        |
| POS.                 | TRIP DEPTH | PRESSURE       |           | PRI. TEMP.          | SEC. TEMP. | SALINITY            |            | SALINITY      |               | SAMPLE BOTTLE DATA |                  | SAMPLE BOTTLE NUMBER |             | Blue NUTR. | CHL.             | WHIT'S NUTR. |        |
| 1                    | 470 /      | -              |           |                     |            |                     |            |               |               |                    |                  |                      |             | 08         | 17               |              |        |
| 2                    | 50 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            | 16               |              |        |
| 3                    | 44 /       | - mis fired -  |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 4                    | 44 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 5                    | 44 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 6                    | 44 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 7                    | 30 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 8                    | 30 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 9                    | 24 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 10                   | 24 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 11                   | 24 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |
| 12                   | 24 /       |                |           |                     |            |                     |            |               |               |                    |                  |                      |             |            |                  |              |        |

|                                |               |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
|--------------------------------|---------------|---------------------------------|------------|------------------------|----------|------------------------|---------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-----------------------|----------|-----------------------|----------|
| VESSEL<br>NOAA RONALD H. BROWN |               | PROJECT & LEG<br>RB-00-07 LEG 2 |            | DSDB I.D.              |          | STATION DESIGNATION    |               | PG _____ OF _____     |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| CONSC<br>CAST<br>#             | LATITUDE      |                                 | LONGITUDE  |                        | DATE JD= |                        | TIME<br>(GMT) | DRY<br>BULB<br>(°C)   | WET<br>BULB<br>(°C) | SEA STATE             | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | CLOUD (amt) | WEATHER               | BOTTOM<br>DEPTH | STA.<br>NAME/ID       |          |                       |          |
|                                | DEG           | MIN                             | DEG        | MIN                    | DAY      | MO                     | HR            | MIN                   | YR                  | YR                    | MO                     | SE                    | PR          | SS                    | MM              | SS                    |          |                       |          |
| 010                            | 56            | 52.79                           | N          | 164                    | 03       | 40                     | 20            | 14                    | 59                  | 00                    | 00                     | 00                    | 00          | 00                    | 00              | 00                    | 72       | B5                    | 012      |
| SBE 9+ 0 P9852 - 0382          |               | TIMES                           |            | JD/TIME                |          | DATA LOCATION          |               | DATA LOCATION         |                     | DATA LOCATION         |                        | DATA LOCATION         |             | REMARKS               |                 |                       |          |                       |          |
| PRESS SN 58955                 |               | DATA ON _____                   |            | Tape/Diskette ID _____ |          | File Name/Header _____ |               | CTD                   |                     | CTD                   |                        | CTD                   |             | CTD                   |                 |                       |          |                       |          |
| PRI TEMP SN 1713               |               | START DOWN _____                |            | _____                  |          | _____                  |               | _____                 |                     | _____                 |                        | _____                 |             | _____                 |                 |                       |          |                       |          |
| SEC TEMP SN 2866               |               | AT DEPTH _____                  |            | _____                  |          | _____                  |               | _____                 |                     | _____                 |                        | _____                 |             | _____                 |                 |                       |          |                       |          |
| PRI COND SN 1473               |               | AT SURFACE _____                |            | _____                  |          | _____                  |               | _____                 |                     | _____                 |                        | _____                 |             | _____                 |                 |                       |          |                       |          |
| SEC COND SN 529                |               | PAR S/N _____                   |            | _____                  |          | _____                  |               | _____                 |                     | _____                 |                        | _____                 |             | _____                 |                 |                       |          |                       |          |
| FLUOR SWL # 6 2 3 9            |               | ChIAM S/N _____                 |            | _____                  |          | _____                  |               | _____                 |                     | _____                 |                        | _____                 |             | _____                 |                 |                       |          |                       |          |
| POS                            | TRIP<br>DEPTH | CTD CONVERTED MONITOR VALUES    |            | SAMPLE BOTTLE<br>DATA  |          | SAMPLE BOTTLE<br>DATA  |               | SAMPLE BOTTLE<br>DATA |                     | SAMPLE BOTTLE<br>DATA |                        | SAMPLE BOTTLE<br>DATA |             | SAMPLE BOTTLE<br>DATA |                 | SAMPLE BOTTLE<br>DATA |          | SAMPLE BOTTLE<br>DATA |          |
| 1                              | 20 ✓          | PRESSURE                        | PRI. TEMP. | SEC. TEMP.             | SALINITY | SALINITY               | SALINITY      | SALINITY              | SALINITY            | SALINITY              | SALINITY               | SALINITY              | SALINITY    | SALINITY              | SALINITY        | SALINITY              | SALINITY | SALINITY              | SALINITY |
| 2                              | 13 /          |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 3                              | 13 /          |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 4                              | 13 ✓          |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 5                              | 13 /          |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 6                              | 16 /          |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 7                              | 10 /          |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 8                              | 10 /          |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 9                              | 5 /           |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 10                             | 5 /           |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 11                             | 5 /           |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |
| 12                             | 0 /           |                                 |            |                        |          |                        |               |                       |                     |                       |                        |                       |             |                       |                 |                       |          |                       |          |

- did not give

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

SAMPLE BOTTLE DATA

SALINITY

SEC. TEMP

PRI. TEMP.

PRESSURE

FLUOR SWL #

ChIAM S/N

PAR S/N

DATA ON

START DOWN

AT DEPTH

AT SURFACE

DATE JD

TIME (GMT)

DRY BULB (°C)

WET BULB (°C)

SEA STATE

WIND DIRN. (deg)

WIND SPD. (m/s)

CLOUD (amt)

WEATHER

BOTTOM DEPTH

STA. NAME/ID

PG 11 OF 11

|                                |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
|--------------------------------|---------------|---------------------------------|------------|---------------------|----------|------------------------------|---------------|---------------------|---------------------|------------------|-----------|------------|------------------------|-----------------------|-------------|---------|------------------------|-----------------|
| VESSEL<br>NOAA RONALD H. BROWN |               | PROJECT & LEG<br>RB-00-07 LEG 2 |            | DSDB I.D.           |          | STATION DESIGNATION          |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| CONSC<br>CAST<br>#             | LATITUDE      |                                 | LONGITUDE  |                     | DATE JD= |                              | TIME<br>(GMT) | DRY<br>BULB<br>(°C) | WET<br>BULB<br>(°C) | PRESSURE<br>(mb) | SEA STATE | VISIBILITY | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | CLOUD (amt) | WEATHER | BOTTOM<br>DEPTH<br>(m) | STA.<br>NAME/ID |
|                                | 4115652.23N   | 16402.79W                       | 21         | SEP                 | 00       | 06                           | 25            | 21.3                | 10.2                | 02.4             | 6         | 17         | 4                      | 14                    | 87          | 6       | 74                     | 052             |
| SBE 9+0 P9852 - 0382           |               | TIMES                           |            | JD/TIME             |          | REMARKS                      |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| PRESS SN 58955                 |               | DATA ON                         |            | Tape/Diskette ID    |          | File Name/Header             |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| PRI TEMP SN 1713               |               | START DOWN                      |            | CTD                 |          | Cleaned air bleed valve      |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| SEC TEMP SN 2866               |               | AT DEPTH                        |            |                     |          | MAX. DEPTH = m               |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| PRI COND SN 1473               |               | AT SURFACE                      |            |                     |          | TRANS. S/N                   |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| SEC COND SN 529                |               | PAR S/N                         |            | FLUOR SWL # 6 2 3 9 |          | SAMPLE BOTTLE NUMBER         |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| POS.                           | TRIP<br>DEPTH | CTD CONVERTED MONITOR VALUES    |            | SAMPLER DATA        |          | SALINITY                     |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 1                              | 68.5          | PRESSURE                        | PRI. TEMP. | SEC. TEMP.          | SALINITY | SAL. NUTR. CHL. WHIT'S NUTR. |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 2                              |               |                                 |            |                     |          | 09                           |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 3                              |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 4                              |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 5                              |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 6                              |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 7                              |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 8                              |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 9                              |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 10                             |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 11                             |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |
| 12                             |               |                                 |            |                     |          |                              |               |                     |                     |                  |           |            |                        |                       |             |         |                        |                 |

|                                |               |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
|--------------------------------|---------------|---------------------------------|-----------|---------------------|----------|------------------|---------------|---------------------|----------------------|---------------------|-----------|------------------------|-----------------------|-------------|---------|------------------------|-----------------|---------|----|-----------------|-------|
| VESSEL<br>NOAA RONALD H. BROWN |               | PROJECT & LEG<br>RB-00-07 LEG 2 |           |                     |          | DSDB I.D.        |               |                     |                      | STATION DESIGNATION |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| CONSC<br>CAST<br>#             | LATITUDE      |                                 | LONGITUDE |                     | DATE JD= |                  | TIME<br>(GMT) | DRY<br>BULB<br>(°C) | 'WET<br>BULB<br>(°C) | PRESSURE<br>(mb)    | SEA STATE | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | CLOUD (amt) | WEATHER | BOTTOM<br>DEPTH<br>(m) | STA.<br>NAME/ID |         |    |                 |       |
|                                | DEG           | MIN                             | DEG       | MIN                 | DAY      | MO               |               |                     |                      |                     |           |                        |                       |             |         |                        |                 | YR      | HR | MIN             | * * * |
| 012                            | 57            | 07.6                            | N         | 164                 | 13.1     | 07               | 21            | 13                  | 10.1                 | 9.8                 | 03        | 37                     | 20                    | 0           | 14      | 6                      | 72              | 71852NW |    |                 |       |
| SBCE 9+ 0 P9852 - 0382         |               | TIMES                           |           | JD/TIME             |          | DATA LOCATION    |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| PRESS SN 58955                 |               | DATA ON                         |           | Tape/Diskette ID    |          | File Name/Header |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| PRI TEMP SN 1713               |               | START DOWN                      |           | CTD 012             |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| SEC TEMP SN 2866               |               | AT DEPTH                        |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| PRI COND SN 1473               |               | AT SURFACE                      |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| SEC COND SN 529                |               | PAR S/N                         |           | FLUOR SWL # 6 2 3 9 |          | CHIAM S/N        |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| POS.                           | TRIP<br>DEPTH | PRESSURE                        |           | PRI. TEMP.          |          | SEC. TEMP.       |               | SALINITY            |                      | SALINITY            |           | SALINITY               |                       | SAL.        |         | NUTR.                  |                 | CHL.    |    | WHIT'S<br>NUTR. |       |
| 1                              | 857           |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       | 10          |         | 24                     |                 | ✓       |    |                 |       |
| 2                              | 50 ✓          |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         | 23                     |                 | ✓       |    |                 |       |
| 3                              | 40 ✓          | Did not file                    |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         | 22                     |                 | ✓       |    |                 |       |
| 4                              | 40 ✓          |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         | 21                     |                 | ✓       |    |                 |       |
| 5                              | 30 ✓          |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         | 20                     |                 | ✓       |    |                 |       |
| 6                              | 20 ✓          |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         | 19                     |                 | ✓       |    |                 |       |
| 7                              | 10 ✓          |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         | 18                     |                 | ✓       |    |                 |       |
| 8                              | 0             |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| 9                              | 0             |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| 10                             |               |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| 11                             |               |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |
| 12                             |               |                                 |           |                     |          |                  |               |                     |                      |                     |           |                        |                       |             |         |                        |                 |         |    |                 |       |

Cleaned air bleed valve

REMARKS  
n.w. corner of  
85-2

CTD CONVERTED MONITOR VALUES

PG \_\_\_\_\_ OF \_\_\_\_\_

|                                |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
|--------------------------------|--|---------------------------------|--|------------|--|---------------------------|--|----------|--|------------------|--|------------------|--|-------------|--|---------|--|--------------|--|--------------|--|
| VESSEL<br>NOAA RONALD H. BROWN |  | PROJECT & LEG<br>RB-00-07 LEG 2 |  |            |  | STATION DESIGNATION _____ |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| CONSC CAST #                   |  | LONGITUDE                       |  | DATE JD=   |  | TIME (GMT)                |  | WET BULB |  | WIND DIRN.       |  | WIND SPD.        |  | CLOUD (amt) |  | WEATHER |  | BOTTOM DEPTH |  | STA. NAME/ID |  |
| 0135C46.03N                    |  | 16419.75W                       |  | 21SEP00    |  | 0901                      |  | 9.5      |  | 9.45             |  | 220              |  | 14          |  | 72      |  | 7485         |  | 250          |  |
| SBE 9+0 P9852-0382             |  | TIMES                           |  | JD/TIME    |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| PRESS SN 58955                 |  | DATA ON                         |  |            |  |                           |  |          |  | Tape/Diskette ID |  | File Name/Header |  |             |  |         |  |              |  |              |  |
| PRI TEMP SN 1713               |  | START DOWN                      |  |            |  |                           |  |          |  |                  |  | CTD              |  |             |  |         |  |              |  |              |  |
| SEC TEMP SN 2866               |  | AT DEPTH                        |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| PRI COND SN 1473               |  | AT SURFACE                      |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| SEC COND SN 529                |  | PAR S/N                         |  |            |  |                           |  |          |  | FLUOR SWL #      |  | 6 2 3 9          |  | CHIAM S/N   |  |         |  |              |  |              |  |
| POS. TRIP DEPTH                |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 1 Bottom ✓                     |  | PRESSURE                        |  | PRI. TEMP. |  | SEC. TEMP.                |  | SALINITY |  | SALINITY         |  | SALINITY         |  | SAL.        |  | NUTR.   |  | CHL.         |  | WHIT'S NUTR. |  |
| 2 50 ✓                         |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  | 11          |  | 31      |  |              |  |              |  |
| 3 40 ✓                         |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  | 30      |  |              |  |              |  |
| 4 40 ✓                         |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 5 30 ✓                         |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 6 20 ✓                         |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 7 10 ✓                         |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 8 10 ✓                         |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 9 0 ✓                          |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 10                             |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 11                             |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |
| 12                             |  |                                 |  |            |  |                           |  |          |  |                  |  |                  |  |             |  |         |  |              |  |              |  |

MAX. DEPTH = \_\_\_\_\_ m

CLEANED AIR BLEED VALVE

TRANS. S/N \_\_\_\_\_

SAMPLE BOTTLE DATA

CTD CONVERTED MONITOR VALUES

PG 14 OF

|                                |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
|--------------------------------|-----------|---------------------------------|-----------|------------|----------|---------------------|---------------|---------------------|---------------------|------------------|-----------|------------------------|-----------------------|-------------|---------|------------------------|-----------------|
| VESSEL<br>NOAA RONALD H. BROWN |           | PROJECT & LEG<br>RB-00-07 LEG 2 |           | DSDB I.D.  |          | STATION DESIGNATION |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| CONSC<br>CAST<br>#             | LATITUDE  |                                 | LONGITUDE |            | DATE JD= |                     | TIME<br>(GMT) | DRY<br>BULB<br>(°C) | WET<br>BULB<br>(°C) | PRESSURE<br>(mb) | SEA STATE | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | CLOUD (amt) | WEATHER | BOTTOM<br>DEPTH<br>(m) | STA.<br>NAME/ID |
|                                | DEG       | MIN                             | DEG       | MIN        | DAY      | MO                  |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 0145608.28N                    | 16628.66W | 21                              | SEP       | 00         | 17       | 32                  | 10.0          | 8.4                 | 864                 | 7                | 15        | 22                     | 76                    | 122853      |         |                        |                 |
| SBE 9+ 0 P9852 - 0382          |           | TIMES                           |           | JD/TIME    |          | DATA LOCATION       |               | Tape/Diskette ID    |                     | File Name/Header |           | CTD                    |                       | REMARKS     |         |                        |                 |
| PRESS SN 58955                 |           | DATA ON                         |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| PRI TEMP SN 1713               |           | START DOWN                      |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| SEC TEMP SN 2866               |           | AT DEPTH                        |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| PRI COND SN 1473               |           | AT SURFACE                      |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| SEC COND SN 529                |           | PAR S/N                         |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
|                                |           | FLUOR SWL #                     |           | 6 2 3 9    |          | ChIAM S/N           |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| POS. TRIP DEPTH                |           | PRESSURE                        |           | PRI. TEMP. |          | SEC. TEMP.          |               | SALINITY            |                     | SALINITY         |           | SAMPLE BOTTLE DATA     |                       | SAL.        |         | NUTR.                  |                 |
| 1 117                          |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       | 12          |         |                        |                 |
| 2                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 3                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 4                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 5                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 6                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 7                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 8                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 9                              |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 10                             |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 11                             |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |
| 12                             |           |                                 |           |            |          |                     |               |                     |                     |                  |           |                        |                       |             |         |                        |                 |

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

CTD CONVERTED MONITOR VALUES

WHIT'S NUTR.

CHL.

NUTR.

SAL.

SALINITY

SALINITY

SEC. TEMP.

PRI. TEMP.

PRESSURE

TRIP DEPTH

|                                |               |                                 |            |                       |          |                      |               |
|--------------------------------|---------------|---------------------------------|------------|-----------------------|----------|----------------------|---------------|
| VESSEL<br>NOAA RONALD H. BROWN |               | PROJECT & LEG<br>RB-00-07 LEG 2 |            | DSDB I.D.             |          | STATION DESIGNATION  |               |
| CONSC<br>CAST<br>#             | LATITUDE      |                                 | LONGITUDE  |                       | DATE JD= |                      | TIME<br>(GMT) |
|                                | DEG           | MIN                             | DEG        | MIN                   | DAY      | MO                   |               |
| 015                            | 56            | 02.23 N                         | 166        | 21.57 W               | 22       | SEP                  | 00            |
| SBE 9+0 P9852 - 0382           |               | TIMES                           |            | JD/TIME               |          | DATA LOCATION        |               |
| PRESS SN 58955                 |               | DATA ON                         |            | Tape/Diskette ID      |          | File Name/Header     |               |
| PRI TEMP SN 1713               |               | START DOWN                      |            | CTD 015               |          |                      |               |
| SEC TEMP SN 2866               |               | AT DEPTH                        |            |                       |          |                      |               |
| PRI COND SN 1473               |               | AT SURFACE                      |            |                       |          |                      |               |
| SECCOND SN 529                 |               | PAR S/N                         |            | FLUOR SWL # 6 2 3 9   |          | Chiam S/N            |               |
| POS.                           | TRIP<br>DEPTH | CTD CONVERTED MONITOR VALUES    |            | SAMPLE BOTTLE<br>DATA |          | SAMPLE BOTTLE NUMBER |               |
| 1                              | 160           | PRESSURE                        | PRI. TEMP. | SEC. TEMP.            | SALINITY | SAL.                 | NUTR.         |
| 2                              | 75            |                                 |            |                       |          | 13                   | 1,2,3         |
| 3                              | 50            |                                 |            |                       |          |                      | 4             |
| 4                              | 40            |                                 |            |                       |          |                      | 5             |
| 5                              | 30            |                                 |            |                       |          |                      | 6             |
| 6                              | 20            |                                 |            |                       |          |                      | 7             |
| 7                              | 13            |                                 |            |                       |          |                      | 8             |
| 8                              | 13            |                                 |            |                       |          |                      | 9             |
| 9                              | 13            |                                 |            |                       |          |                      | 10            |
| 10                             |               |                                 |            |                       |          |                      | 11            |
| 11                             |               |                                 |            |                       |          |                      | 11            |
| 12                             |               |                                 |            |                       |          |                      |               |

WEATHER  
TRF  
CLOUD (amt) \* \* \*  
WIND DIRN. (deg) \* \* \*  
WIND SPD. (m/s) \* \* \*  
SEA STATE \* \* \*  
VISIBILITY \* \* \*  
PRESSURE (mb) \* \* \*  
WET BULB (°C) \* \* \*  
DRY BULB (°C) \* \* \*  
TIME (GMT) HR MIN \* \* \*  
DATE JD= DAY MO YR \* \* \*LONGITUDE DEG MIN \* \* \*  
LATITUDE DEG MIN \* \* \*STATION DESIGNATION

REMARKS  
center m-3  
Cleaned air bleed valve  
MAX. DEPTH = m

STATION DESIGNATION

TRANS. S/N

WHIT'S  
NUTR.

CHL.

NUTR.

SAL.

WIND DIRN. (deg) \* \* \*

WIND SPD. (m/s) \* \* \*

SEA STATE \* \* \*

VISIBILITY \* \* \*

PRESSURE (mb) \* \* \*

WET BULB (°C) \* \* \*

DRY BULB (°C) \* \* \*

TIME (GMT) HR MIN \* \* \*

DATE JD= DAY MO YR \* \* \*

LONGITUDE DEG MIN \* \* \*

LATITUDE DEG MIN \* \* \*

CTD CONVERTED MONITOR VALUES

PRESSURE

PRI. TEMP.

SEC. TEMP.

SALINITY

DATA ON

START DOWN

AT DEPTH

AT SURFACE

PAR S/N

FLUOR SWL # 6 2 3 9

Chiam S/N

SAMPLE BOTTLE DATA

PRESSURE

PRI. TEMP.

SEC. TEMP.

SALINITY

SAMPLE BOTTLE NUMBER

SAL.

NUTR.

CHL.

WET BULB (°C) \* \* \*

DRY BULB (°C) \* \* \*

TIME (GMT) HR MIN \* \* \*

DATE JD= DAY MO YR \* \* \*

LONGITUDE DEG MIN \* \* \*

LATITUDE DEG MIN \* \* \*

CTD CONVERTED MONITOR VALUES

PRESSURE

PRI. TEMP.

SEC. TEMP.

SALINITY

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

SAL.

NUTR.

CHL.

WIND DIRN. (deg) \* \* \*

WIND SPD. (m/s) \* \* \*

SEA STATE \* \* \*

VISIBILITY \* \* \*

PRESSURE (mb) \* \* \*

WET BULB (°C) \* \* \*

DRY BULB (°C) \* \* \*

TIME (GMT) HR MIN \* \* \*

|                                |  |                                 |  |                     |  |  |  |
|--------------------------------|--|---------------------------------|--|---------------------|--|--|--|
| VESSEL<br>NOAA RONALD H. BROWN |  | PROJECT & LEG<br>RB-00-07 LEG 2 |  | DSDB I.D.           |  | STATION DESIGNATION                              |  |
| CONSC CAST #                   |  | LONGITUDE                       |  | DATE JD=            |  | TIME (GMT)                                       |  |
| DEG MIN                        |  | DEG MIN                         |  | DAY MO YR           |  | HR MIN   |  |
| 015 5602.73N                   |  | 16620.57W                       |  | 22 SEP 00           |  | 0209   |  |
| SBE 9+0 P9852 - 0382           |  | TIMES                           |  | JD/TIME             |  | DATA LOCATION                                    |  |
| PRESS SN 58955                 |  | DATA ON                         |  | Tape/Diskette ID    |  | File Name/Header                                 |  |
| PRI TEMP SN 1713               |  | START DOWN                      |  |                     |  | CTD016   |  |
| SEC TEMP SN 2866               |  | AT DEPTH                        |  |                     |  |  |  |
| PRICOND SN 1473                |  | AT SURFACE                      |  |                     |  | Cleaned air bleed valve <input type="checkbox"/> |  |
| SECCOND SN 529                 |  | PAR S/N                         |  | FLUOR SWL # 6 2 3 9 |  | ChIAM S/N  |  |
| POS. TRIP DEPTH                |  | PRESSURE                        |  | PRI. TEMP.          |  | SEC. TEMP.                                       |  |
| 1 9                            |  |                                 |  |                     |  | SALINITY   |  |
| 2 9                            |  |                                 |  |                     |  | SALINITY   |  |
| 3 9                            |  |                                 |  |                     |  | SALINITY   |  |
| 4 0                            |  |                                 |  |                     |  | SALINITY   |  |
| 5                              |  |                                 |  |                     |  | SALINITY   |  |
| 6                              |  |                                 |  |                     |  | SALINITY   |  |
| 7                              |  |                                 |  |                     |  | SALINITY   |  |
| 8                              |  |                                 |  |                     |  | SALINITY   |  |
| 9                              |  |                                 |  |                     |  | SALINITY   |  |
| 10                             |  |                                 |  |                     |  | SALINITY   |  |
| 11                             |  |                                 |  |                     |  | SALINITY   |  |
| 12                             |  |                                 |  |                     |  | SALINITY   |  |
| WIND DIRN.                     |  | WIND SPD.                       |  | WIND DIRN.          |  | WIND SPD.  |  |
| 240                            |  | 21                              |  | 240                 |  | 21   |  |
| SEA STATE                      |  | PRESSURE                        |  | WET BULB            |  | DRY BULB   |  |
| 7                              |  | 115                             |  | 8.6                 |  | 9.7  |  |
| VISIBILITY                     |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 7                              |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| CLOUD (amt)                    |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 8                              |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| WEATHER                        |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 62                             |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| BOTTOM DEPTH                   |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 128                            |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| STA. NAME/ID                   |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
|                                |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| REMARKS                        |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| Cleaned air bleed valve        |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| MAX. DEPTH =                   |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| m                              |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| TRANS. S/N                     |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
|                                |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| SAMPLE BOTTLE NUMBER           |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
|                                |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| SAL.                           |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 15                             |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| NUTR.                          |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 14                             |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| CHL.                           |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 13                             |  | 8.6                             |  | 9.7                 |  | 0209   |  |
| WHIT'S NUTR.                   |  | WET BULB                        |  | DRY BULB            |  | TIME (GMT)                                       |  |
| 12                             |  | 8.6                             |  | 9.7                 |  | 0209   |  |



|                                |               |                                 |           |             |          |               |               |                  |                     |                       |           |                         |                       |             |         |                        |                 |      |     |                 |  |
|--------------------------------|---------------|---------------------------------|-----------|-------------|----------|---------------|---------------|------------------|---------------------|-----------------------|-----------|-------------------------|-----------------------|-------------|---------|------------------------|-----------------|------|-----|-----------------|--|
| VESSEL<br>NOAA RONALD H. BROWN |               | PROJECT & LEG<br>RB-00-07 LEG 2 |           |             |          | DSDB I.D.     |               |                  |                     | STATION DESIGNATION   |           |                         |                       |             |         |                        |                 |      |     |                 |  |
| CONSC<br>CAST<br>#             | LATITUDE      |                                 | LONGITUDE |             | DATE JD= |               | TIME<br>(GMT) |                  | DRY<br>BULB<br>(°C) | WET<br>BULB<br>(°C)   | SEA STATE | WIND<br>DIRN.<br>(deg)  | WIND<br>SPD.<br>(m/s) | CLOUD (amt) | WEATHER | BOTTOM<br>DEPTH<br>(m) | STA.<br>NAME/ID |      |     |                 |  |
|                                | DEG           | MIN                             | DEG       | MIN         | DAY      | MO            | YR            | HR               | MIN                 | (°C)                  | (°C)      | * * *                   | (deg)                 | (m/s)       | * * *   | (m)                    |                 |      |     |                 |  |
| 0175609.83N                    | 14606.13W     | 22                              | SEP       | 00          | 06       | 02            | 09.5          | 8.9              | 14                  | 17                    | 4         | 7                       | 4                     | 5           | 1       | 2                      | 6               | 61   | 109 |                 |  |
| SBE 9+0 P9852 - 0382           |               | TIMES                           |           | JD/TIME     |          | DATA LOCATION |               | Tape/Diskette ID |                     | File Name/Header      |           | REMARKS                 |                       |             |         |                        |                 |      |     |                 |  |
| PRESS SN                       | 58955         | DATA ON                         |           |             |          | START DOWN    |               |                  |                     | CTD017                |           | N.E. corner             |                       |             |         |                        |                 |      |     |                 |  |
| PRI TEMP SN                    | 1713          | AT DEPTH                        |           |             |          | AT SURFACE    |               |                  |                     |                       |           | Cleaned air bleed valve |                       |             |         |                        |                 |      |     |                 |  |
| SEC TEMP SN                    | 2866          | AT SURFACE                      |           |             |          |               |               |                  |                     |                       |           | MAX. DEPTH =            |                       | m           |         |                        |                 |      |     |                 |  |
| PRI COND SN                    | 1473          |                                 |           |             |          |               |               |                  |                     |                       |           |                         |                       |             |         |                        |                 |      |     |                 |  |
| SEC COND SN                    | 529           |                                 |           |             |          |               |               |                  |                     |                       |           |                         |                       |             |         |                        |                 |      |     |                 |  |
| POS.                           | TRIP<br>DEPTH | PAR S/N                         |           | FLUOR SWL # |          | 6 2 3 9       |               | CHIAM S/N        |                     | SAMPLE BOTTLE<br>DATA |           | SALINITY                |                       | SAL.        |         | Black<br>NUTR.         |                 | CHL. |     | WHIT'S<br>NUTR. |  |
| 1                              | 100 ✓         |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       | 14          |         | 16                     |                 |      |     |                 |  |
| 2                              | 75 ✓          |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         | 17                     |                 |      |     |                 |  |
| 3                              | 50 ✓          |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         | 18                     |                 | ✓    |     |                 |  |
| 4                              | 50 ✓          |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         | 19                     |                 | ✓    |     |                 |  |
| 5                              | 40 ✓          |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         | 20                     |                 | ✓    |     |                 |  |
| 6                              | 30 ✓          |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         | 21                     |                 | ✓    |     |                 |  |
| 7                              | 20 ✓          |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         | 22                     |                 | ✓    |     |                 |  |
| 8                              | 10            |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         | 24                     |                 | ✓    |     |                 |  |
| 9                              | 10            |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         |                        |                 |      |     |                 |  |
| 10                             | 0             |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         |                        |                 |      |     |                 |  |
| 11                             |               |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         |                        |                 |      |     |                 |  |
| 12                             |               |                                 |           |             |          |               |               |                  |                     | SALINITY              |           |                         |                       |             |         |                        |                 |      |     |                 |  |

|                                |               |                                 |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
|--------------------------------|---------------|---------------------------------|-----------|------------------|----------|------------------|---------------|-----------|---------------------|---------------------|----------|-----------------------|------------|------------------------|-----------------------|-------------|---------|------------------------|-----------------|-----------------|------|------|--|
| VESSEL<br>NOAA RONALD H. BROWN |               | PROJECT & LEG<br>RB-00-07 LEG 2 |           |                  |          | DSDB I.D.        |               |           |                     | STATION DESIGNATION |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| CONSC<br>CAST<br>#             | LATITUDE      |                                 | LONGITUDE |                  | DATE JD= |                  | TIME<br>(GMT) |           | DRY<br>BULB<br>(°C) | WET<br>BULB<br>(°C) | PRESSURE | SEA STATE             | VISIBILITY | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | CLOUD (amt) | WEATHER | BOTTOM<br>DEPTH<br>(m) | STA.<br>NAME/ID |                 |      |      |  |
|                                | DEG           | MIN                             | DEG       | MIN              | DAY      | MO               | YR            | HR        | MIN                 |                     |          |                       | *          | *                      | *                     | *           | *       |                        |                 |                 |      |      |  |
| 01856                          | 55.86         | N                               | 166.09    | 9.7              | W        | 22               | S             | E         | P                   | 00                  | 08       | 55                    | 9.8        | 9.1                    | 1647                  | 7           | 27      | 4                      | 10              | 661             | 1280 | S35E |  |
| SBE 9+0 P9852 - 0382           |               | TIMES                           |           | JD/TIME          |          | DATA LOCATION    |               | REMARKS   |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| PRESS SN 58955                 |               | DATA ON                         |           | Tape/Diskette ID |          | File Name/Header |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| PRI TEMP SN 1713               |               | START DOWN                      |           |                  |          | CTD 018          |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| SEC TEMP SN 2866               |               | AT DEPTH                        |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| PRI COND SN 1473               |               | AT SURFACE                      |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| SEC COND SN 529                |               | PAR S/N                         |           | FLUOR SWL #      |          | 6 2 3 9          |               | Chiam S/N |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| POS.                           | TRIP<br>DEPTH | PRESSURE                        |           | PRI. TEMP.       |          | SEC. TEMP.       |               | SALINITY  |                     | SALINITY            |          | SAMPLE BOTTLE<br>DATA |            | SAL.                   |                       | NUTR.       |         | CHL.                   |                 | WHIT'S<br>NUTR. |      |      |  |
| 1                              | 100           | 1                               |           |                  |          |                  |               |           |                     |                     |          |                       |            | 15                     |                       | 31          |         |                        |                 |                 |      |      |  |
| 2                              | 75            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       | 30          |         |                        |                 |                 |      |      |  |
| 3                              | 50            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       | 29          |         | ✓                      |                 |                 |      |      |  |
| 4                              | 50            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       | 28          |         | ✓                      |                 |                 |      |      |  |
| 5                              | 40            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       | 27          |         | ✓                      |                 |                 |      |      |  |
| 6                              | 30            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       | 26          |         | ✓                      |                 |                 |      |      |  |
| 7                              | 20            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       | 25          |         | ✓                      |                 |                 |      |      |  |
| 8                              | 10            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       | 24          |         | ✓                      |                 |                 |      |      |  |
| 9                              | 10            | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| 10                             | 0             | ✓                               |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| 11                             |               |                                 |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |
| 12                             |               |                                 |           |                  |          |                  |               |           |                     |                     |          |                       |            |                        |                       |             |         |                        |                 |                 |      |      |  |

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

CTD CONVERTED MONITOR VALUES

|                                |               |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
|--------------------------------|---------------|---------------------------------|-----------|------------------|----------|------------------|---------------|---------------------|---------------------|-----------------------|-----------|------------|------------------------|-----------------------|-------------|------|---------|------------------------|-----------------|----|-----|---------|
| VESSEL<br>NOAA RONALD H. BROWN |               | PROJECT & LEG<br>RB-00-07 LEG 2 |           |                  |          | DSDB I.D.        |               |                     |                     | STATION DESIGNATION   |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| CONSC<br>CAST<br>#             | LATITUDE      |                                 | LONGITUDE |                  | DATE JD= |                  | TIME<br>(GMT) | DRY<br>BULB<br>(°C) | WET<br>BULB<br>(°C) | PRESSURE<br>(mb)      | SEA STATE | VISIBILITY | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | CLOUD (amt) | TYPE | WEATHER | BOTTOM<br>DEPTH<br>(m) | STA.<br>NAME/ID |    |     |         |
|                                | DEG           | MIN                             | DEG       | MIN              | DAY      | MO               |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 | YR | HR  | MIN     |
| 0195                           | 55            | 59.0                            | 11        | 16               | 22       | 09               | 13            | 05                  | 8.7                 | 7.9                   | 18.4      | 8          | 3                      | 0                     | 5           | 2    | 0       | 8                      | 4               | 2  | 137 | B S 350 |
| SBE 9+0 P9852 - 0382           |               | TIMES                           |           | JD/TIME          |          | DATA LOCATION    |               | DATA LOCATION       |                     | REMARKS               |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| PRESS SN 58955                 |               | DATA ON                         |           | Tape/Diskette ID |          | File Name/Header |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| PRI TEMP SN 1713               |               | START DOWN                      |           |                  |          | CTD              |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| SEC TEMP SN 2866               |               | AT DEPTH                        |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| PRI COND SN 1473               |               | AT SURFACE                      |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| SEC COND SN 529                |               | PAR S/N                         |           | FLUOR SWL #      |          | 6 2 3 9          |               | ChIAM S/N           |                     | TRANS. S/N            |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| POS.                           | TRIP<br>DEPTH | PRESSURE                        |           | PRI. TEMP.       |          | SEC. TEMP.       |               | SALINITY            |                     | SAMPLE BOTTLE<br>DATA |           | SAL.       |                        | NUTR.                 |             | CHL. |         | WHIT'S<br>NUTR.        |                 |    |     |         |
| 1                              | 100 /         | -                               |           |                  |          |                  |               |                     |                     |                       |           | 16         |                        | 7                     |             |      |         |                        |                 |    |     |         |
| 2                              | 75 /          |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        | 6                     |             |      |         |                        |                 |    |     |         |
| 3                              | 50 /          | -misfired-                      |           |                  |          |                  |               |                     |                     |                       |           |            |                        | 5                     |             |      |         |                        |                 |    |     |         |
| 4                              | 50 /          |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        | 4                     |             |      |         |                        |                 |    |     |         |
| 5                              | 40 /          |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        | 3                     |             |      |         |                        |                 |    |     |         |
| 6                              | 30 /          |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        | 2                     |             |      |         |                        |                 |    |     |         |
| 7                              | 20 /          |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        | 1                     |             |      |         |                        |                 |    |     |         |
| 8                              | 10 /          |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| 9                              | 10 /          |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| 10                             | 0 /           | -misfired-                      |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| 11                             | 0 /           |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |
| 12                             | 0 /           |                                 |           |                  |          |                  |               |                     |                     |                       |           |            |                        |                       |             |      |         |                        |                 |    |     |         |

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

most previous

CTD CONVERTED MONITOR VALUES

-misfired-

-misfired-

32 bleed

|                                |          |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
|--------------------------------|----------|---------------------------------|-----------|------------|----------|------------|---------------|----------|---------------------|----------------------------|------------------|-----------------------|------------------------|-----------------------|---------|------------------------|-----------------|-------|
| VESSEL<br>NOAA RONALD H. BROWN |          | PROJECT & LEG<br>RB-00-07 LEG 2 |           |            |          | DSDB I.D.  |               |          |                     | STATION DESIGNATION<br>416 |                  |                       |                        |                       |         |                        |                 |       |
| CONSC<br>CAST<br>#             | LATITUDE |                                 | LONGITUDE |            | DATE JD= |            | TIME<br>(GMT) |          | DRY<br>BULB<br>(°C) | WET<br>BULB<br>(°C)        | PRESSURE<br>(mb) | SEA STATE             | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(m/s) | WEATHER | BOTTOM<br>DEPTH<br>(m) | STA.<br>NAME/ID |       |
|                                | DEG      | MIN                             | DEG       | MIN        | DAY      | MO         | YR            | HR       | MIN                 |                            |                  |                       |                        |                       |         |                        |                 |       |
| 42                             | 11       | 90                              | N         | 163        | 5        | 16         | W             | 2        | 1                   | 183                        | 7                | 3                     | 2                      | 1                     | 5       | 7                      | 12              | 853NW |
| SBE 9+ 0 P9852 - 0382          |          |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| PRESS SN                       |          | 58955                           |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| PRITEMP SN                     |          | 1713                            |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| SECTEMP SN                     |          | 2866                            |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| PRICOND SN                     |          | 1473                            |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| SECCOND SN                     |          | 529                             |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| TRIP<br>DEPTH                  |          | PAR S/N                         |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
|                                |          | FLUOR SWL # 6 23 9              |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
|                                |          | CHIAM S/N                       |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
|                                |          | CTD CONVERTED MONITOR VALUES    |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| POS.                           |          | PRESSURE                        |           | PRI. TEMP. |          | SEC. TEMP. |               | SALINITY |                     | SALINITY                   |                  | SAMPLE BOTTLE<br>DATA |                        | SAL.                  |         | WHIT'S<br>NUTR.        |                 |       |
|                                |          |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| 1                              | 105 ✓    |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        | 17                    |         | 15                     |                 |       |
| 2                              | 75 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         | 14                     |                 |       |
| 3                              | 50 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         | 13                     |                 |       |
| 4                              | 50 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         | 12                     |                 |       |
| 5                              | 40 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         | 11                     |                 |       |
| 6                              | 30 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         | 10                     |                 |       |
| 7                              | 20 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         | 9                      |                 |       |
| 8                              | 10 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         | 8                      |                 |       |
| 9                              | 10 ✓     |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| 10                             | 0 ✓      |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| 11                             | 0 ✓      |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |
| 12                             | 0 ✓      |                                 |           |            |          |            |               |          |                     |                            |                  |                       |                        |                       |         |                        |                 |       |

DATA LOCATION  
File Name/Header  
CTD & 2φ

Cleaned air bleed valve

— misread —