| Name   |                         |            |             | 9       |         |                      |                 |             |          |        |                  |              |             |          |          |                 |
|--|-------------------------|------------|-------------|---------|---------|----------------------|-----------------|-------------|----------|--------|------------------|--------------|-------------|----------|----------|-----------------|
| ATTILUDE  LONGITUDE  L | VESSEL<br>R/V Maurice E | wing       | K           | Q#      |         | OJECT & LE<br>102-05 | G<br>Leg 2      | 080         | 8 I.D.   |        |                  | STATIO       | N DESIG     | NATION   | ŕ        |                 |
| ATTITUDE CONVERTIDE DATE JD- 4/6 (SMT) B BLUE (SME) SPE SPEN, SPEN SPEN SPEN SPEN SPEN SPEN SPEN SPEN  |                         | ,,         | <b>&gt;</b> |         |         |                      | ~               |             |          |        | ATI IR           | (            |             |          |          |                 |
| 19   19   19   19   19   19   19   19  |                         | ATITUDE    | LONG        | TUDE    | DATE JE |                      | TIME<br>(GMT)   | DRY<br>BULB | WET      |        | AIŞIE            | WIND<br>SPD. | <b>3</b> 47 |          |          | STA.<br>MEAD    |
| #3.60   10   152   2.14   W 2   M   V   0   2   2   5   2   0   0   5   3   5   2   0   1   5   2   5   2   0   1   5   3   5   5   5   0   0   5   3   5   5   5   5   5   5   5   5  | S <del>H</del> O        | MIN        | DEC         | MIN     | DAY     | 1 1                  | HR MIN          | (၁.)        |          | * (dm) | (deg)            |              |             |          |          |                 |
| Part December   Day 1864   Day    | -                       | 43.00<br>N |             | 7       | M 92    | γ 0                  | 2352            | • •         |          | 9      | 005              | 20           | v           | 0,5      | 3BC      | A               |
| Sample   S   |                         | 2450 200   | TIMES       | JD/T    | ME      |                      |                 | ۵           | ATA [8c. | ATION  |                  | _            | REMARK      | Ø        |          |                 |
| 2006   START DOWN   23/456   AT DEPTH   AT DEPTH   AT DEPTH   AT DEPTH   AT DEPTH   AT DEPTH   AT SURFACE     |                         | •          | DATA ON     |         | -       | <del>-</del>         | Tape/Disk       | cette ID    |          | Name   | /Header          |              | 4           | g        | 13-14    | 7               |
| 3,45¢ AT DEPTH  4243¢ AT SUBFRACE  197   PAR SIN 46¢2   FLUOR SIN 623P  FOR CONVERTED MONITOR VALUES  PRESSINE PRI, TEMP SEC, TEMP SALINITY SALINITY SAL, NUTR, CHL    10  | PRI TEMP SN             |            | START DOM   | ₹       | g > *   | -                    |                 |             | . 1      |        |                  | [            | 弘有          | 6 di     | 2not     | 9               |
| 197   PAR SIN   4605   FLUOR SIN   623P     197   PAR SIN   4605   FLUOR SIN   623P     197   CTD CONVERTED MONITOR VALUES   SALINITY   SALIN   | SEC TEMP SN             |            | АТ ОЕРТН    |         |         | -                    |                 |             |          |        |                  | ]<br>:       | Clean       | ed air b | leed val | Ve              |
| 197   PAR SIN A605   FLUOR SIN 623P   SAMPLE BOTTLE   SAMPLE BOTTLE   SAMPLE BOTTLE   SAMPLE BOTTLE   SALINITY   SALINI   | PRI COND SN             |            | AT SURFACI  | ш       | -       |                      |                 |             |          |        |                  |              | MAX. DE     | PTH =    |          | <b>E</b>        |
| TRIP         CTD CONVERTED MONITOR VALUES         SALINITY         SALINITY         SALINITY         SALINITY         CHL           125         100         75         7         2         1         2         1         2         1         2         1         2         1         3         4   | SEC COND SN             | 761        | PAR SM      |         | 5       | FLUOR                |                 | 36          |          |        |                  |              |             |          |          |                 |
| M3   | L                       |            | ]           | CTD     | NVERTED | MONITOR              | VALUES          |             |          | 6,     | AMPLE BO<br>DATA | TTLE         | SAME        | YE BOT   | TLENUM   | BER             |
| 43.<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>10   |                         | PPESSI     | HATE:       | PRI. TE | MP.     | SEC.                 | TEMP            | SA          | LINITY   |        | SALINIT          | ·<br>}-      | SAL.        | NUTR.    | CHL.     | WHIT'S<br>NUTR. |
| 126<br>100<br>775<br>40<br>40<br>10<br>10<br>10<br>10  |                         |            |             |         |         |                      |                 |             |          |        |                  |              | 50          |          |          |                 |
| 100<br>75<br>50<br>30<br>30<br>10<br>10  | 2 125                   | -          | ,           |         |         |                      |                 |             |          |        |                  |              |             | 2        |          |                 |
| 20<br>20<br>30<br>10<br>10   | 17                      |            |             |         |         |                      |                 |             | -        |        |                  |              |             | M        |          |                 |
| 40<br>40<br>70<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>1  |                         |            |             |         |         |                      | 1.              |             |          |        |                  |              |             | A        | /        |                 |
| 30<br>30<br>10<br>10   |                         |            |             |         |         |                      |                 | 6           | 400      |        |                  |              |             | 5        | \        |                 |
| 10<br>10<br>10   |                         |            |             | -       |         | Did no               | Bec             |             |          |        |                  |              |             | ٥        | 1        | -               |
| 10<br>10<br>10   |                         |            |             |         |         |                      |                 |             |          |        |                  |              |             | 7        | /        |                 |
|  | 7                       |            |             |         |         |                      |                 | 2           | 1        | 0      | 2                |              |             | 80       | Ţ        |                 |
|  |                         |            |             | ÷       |         |                      | distinguishing. | )           |          | ) =    | )                |              |             | 0        | 1        |                 |
|  | 10                      |            |             |         |         |                      |                 |             |          |        |                  |              |             | 0        | /        |                 |
| 12   | 11                      |            |             |         |         |                      |                 |             |          |        |                  |              |             | 7        | 1        |                 |
|  | 12                      | =          |             |         |         |                      |                 |             |          |        |                  |              |             |          |          |                 |

| VESSEI                   |                 |            |           |          | Ca I o Troat Coo             | 9                | 000                                       | 0.000         |                                     | 15   | I ACITA.            | MOLENIACIONE INCITATO   |          |                 |
|--------------------------|-----------------|------------|-----------|----------|------------------------------|------------------|---|---------------|-------------------------------------|--|---------------------|-------------------------|----------|-----------------|
| R/V Maurice Ewing        | Ō               |            |           | EA       | EW02-05                      | Leg 2            |   |               | -                                   | <u>.                                    </u> |                     |                         | Š        |                 |
| CONSC<br>CAST# LATI      | LATITUDE        | FONG       | LONGITUDE | DATE JI  | <i>Lþ1</i> =αr               | TIME<br>(GMT)    | DRY                                       | WET           | PRESSURE<br>SEA STATE<br>YTIJIBIRIY | WIND W                                       | WIND<br>CLOUD (amr) | REHTAEW                 | ВОТТОМ 1 | STA.<br>NAME/ID |
| DEG N                    | STE UZ NIN      | DBG        | NIN O     | <b>2</b> | MO Y                         | H C              | \$ 00 00 00 00 00 00 00 00 00 00 00 00 00 | ()<br>()      | 17                                  | ω) (bep)                                     | * * (s/m)           | 1   6                   | 0        | 4211            |
| )<br>)                   | 93450-209 TIMES | )<br>T     | JD/TIME   | )        | 2                            | 7 /              | }   | DATA LOCATION | NOIT                                |  | BE                  | REMARKS                 | <u>Q</u> | 1               |
| PRESS SN 52              | 535.86 DATA ON  | DATA ON    |           | 747      |                              | Tape/Diskette ID | ette ID                                   | File          | File Name/Header                    | ader   |                     |                         |          |                 |
| PRI TEMP SN              | 960             | START DOWN | 3         |          |                              |                  |   |               |                                     |  |                     |                         |          |                 |
| SECTEMPSN \$1460         |                 | АТ ОЕРТН   |           | :        |                              |                  |   |               |                                     |  |                     | Cleaned air bleed valve | ir bleed | /alve           |
| PRI COND SN <b>42490</b> |                 | AT SURFACE | Ш         |          |                              |                  |   |               |                                     |  | MAX                 | MAX. DEPTH =            | 11       | ε               |
| SEC COND SN              |                 | MPAR S/N   | 4603      |          | X FLUOR SAN                  | SN 623P          | 36  |               |                                     |  |                     |                         |          |                 |
| POS. TRIP<br>DEPTH       |                 |            | i         | NVERTED  | CTD CONVERTED MONITOR VALUES | VALUES           |   | :             | SAM                                 | SAMPLE BOTTLE<br>DATA                        |                     | SAMPLE BOTTLE NUMBER    | OTTLEN   | JMBER           |
|                          |                 | <u> </u>   | 0751      | 9,       |                              | Q.               | V   | SALIMITY V    |                                     | YEINI FO                                     | ď                   | 2                       | 5        | WHIT'S          |
| 1 156                    |                 | <u> </u>   |           |          | 5                            | 5                | 5   |               |                                     |  | \$ C                |                         |          |                 |
| 2 /25                    |                 |            |           |          |                              |                  |   |               |                                     |  | 1                   | 13                      |          |                 |
| 3 /00                    |                 |            |           |          |                              | -                | ,   |               |                                     |  |                     | 14                      |          |                 |
| 4 75                     |                 |            |           |          |                              |                  |   |               |                                     |  |                     | (C                      |          |                 |
| 5 50                     |                 |            |           |          | i                            |                  | :   |               |                                     |  |                     | 16                      |          |                 |
| 04 9                     |                 |            |           |          |                              | ¥                |   |               |                                     |  |                     | 17                      |          |                 |
| 7 30                     |                 |            |           |          |                              | ,                |   |               |                                     |  |                     | 18                      |          |                 |
| 8 20                     |                 |            |           |          |                              |                  |   |               |                                     |  |                     | Ы                       |          |                 |
| 0/ 6                     |                 |            |           |          |                              |                  |   |               |                                     |  |                     | 90                      |          |                 |
| 10 /                     |                 |            | PS COS    | 10°4     | オル                           |                  |   |               |                                     |  |                     | 1,7                     |          |                 |
| 11                       |                 |            |           |          |                              |                  |   |               | _                                   |  | $\dashv$            | _                       | _        |                 |
| 12                       |                 | -          |           |          |                              |                  |   |               |                                     |  | _                   | _                       | _        |                 |
|                          |                 |            |           |          |                              |                  |   |               |                                     |  |                     |                         |          |                 |

| VESSEL<br>R/V Maurice Ewing |                    | ۲          | PROJECT<br>EW02-05           | PROJECT & LEG<br>EW02-05 Leg 2 | 2                | DSDB I.D.   | 31.D.             |                  |                                       | STATIC       | N DESIG                        | STATION DESIGNATION $\mathcal{R}_{CA}$ | NO S            |                |
|-----------------------------|--------------------|------------|------------------------------|--------------------------------|------------------|-------------|-------------------|------------------|---------------------------------------|--------------|--------------------------------|--|-----------------|----------------|
| CONSC<br>CAST # LATITUDE    |                    | LONGITUDE  | ) =QL =TAQ                   | 1 th                           | TIME<br>(GMT)    | DRY<br>BULB | WET               | SEA STATE        | VISIBILITY<br>O'N'N<br>O'N'N<br>O'N'N | Wind<br>SPD. | CLOUD (amt)<br>TYPE<br>WEATHER | ВОТТОМ                                 |                 | STA.           |
| DEC                         | 980                | Z          | DAY MO                       | £                              | N<br>N           | <u>(</u> 2  | () <sub>0</sub> ) | $\overline{}$    | (deg)                                 | 1            |                                | 1 1                                    | $\vdash \vdash$ | -              |
| 0035642.                    | 5642.29NIS227.53W2 | 27.53W     | 2 7 M A Y                    | 0 2                            | 0340             | 8<br>0      | 8.000             | 503              | 99                                    | <u>-</u>     | <b>3₀</b>                      | Ж<br>                                  | 86BC            | BCAØ3          |
| SBE 9+ 9345                 | 93450-209nmes      | JD/TIME    | ME                           | 03                             | 42 5             | 2           | DATALOCATION      | NOIL             |                                       |              | REMARKS                        | S                                      |                 |                |
| PRESS SN 53586              | Se DATA ON         | -          |                              | Tap                            | Tape/Diskette 1D | tte ID      | File              | File Name/Header | Header                                |              |                                |  |                 |                |
| PRI TEMP SN                 | (696 START DOWN    | OWN        |                              |                                |                  |             | j                 |                  |                                       |              |                                |  |                 |                |
| SECTEMP SN 31460            | AT DEPTH           | ·          |                              | v                              |                  |             |                   |                  |                                       |              | Clear                          | Cleaned air bleed valve                | leed val        | ve             |
| PRI COND SIN 42490          | 90 AT SURFACE      | ACE        |                              | Š                              |                  |             |                   |                  |                                       |              | MAX. DEPTH                     | EPTH =                                 | 175             | Ε              |
| SEC COND SN (S              | 197 PAR SM         |            | 7                            | FLUOR SAN                      | (623)            | 36          |                   |                  |                                       |              | -                              |  |                 |                |
| POS. TRIP<br>DEPTH          | Ï                  |            | CTD CONVERTED MONITOR VALUES | NITOR VAL                      | SE               |             |                   | Ø.               | SAMPLE BOTTLE<br>DATA                 | JTE I        | SAMI                           | SAMPLE BOTTLE NUMBER                   | NE NUM          | BER            |
|                             | PPESSURE           | PRI. TEMP. | ē.                           | SEC. TEMP                      |                  | SA!         | SALINITY          |                  | SALINITY                              | >            | SAL.                           | NUTR.                                  | 상               | WHIT'S<br>NUTR |
| 1 176                       |                    |            |                              |                                | -                |             |                   |                  |                                       |              | 53                             | 22                                     |                 |                |
| 2 125                       |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 22                                     |                 |                |
| 3 100                       |                    |            | ,                            |                                |                  |             |                   |                  |                                       |              |                                | 24                                     |                 |                |
| 25 P                        |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 25                                     |                 |                |
| 5 50                        |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 26                                     |                 |                |
| 6<br>3                      |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 27                                     |                 |                |
| 7 30                        |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 28                                     | -               |                |
| 8 20                        |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 29                                     |                 |                |
| 0) 6                        |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 20                                     |                 |                |
| 10 0                        |                    |            |                              |                                |                  |             |                   |                  |                                       |              |                                | 31                                     |                 |                |
| -                           |                    |            |                              |                                | ,                |             |                   |                  |                                       |              |                                |  |                 |                |
| 12                          |                    |            |                              |                                |                  |             | :                 |                  |                                       |              |                                |  |                 |                |

| VESSEL             |                 | 1          |               | <u>E</u> | PROJECT & LEG                | ព្រ              | DSD      | DSDB I.D.     |                             | STAT                  | ION DES               | STATION DESIGNATION     |            |                 |
|--------------------|-----------------|------------|---------------|----------|------------------------------|------------------|----------|---------------|-----------------------------|-----------------------|-----------------------|-------------------------|------------|-----------------|
| R/V Maurice Ewing  |                 | ×          |               | EV       | EW02-05                      | Leg 2            |          |               |                             |                       |                       |                         | BCAC       | ZZ<br>Z         |
| CONSC ATTHINE      | Ę               |            | E             | DATE 1   | £7) -0.                      | TIME             | DRY      | WET           | SEA STATE  YTURIBILITY  S C | WIND COM              | COUD (amt) PPE APTHER | BOTTOM                  |            | STA.            |
| 983                |                 | DEG        | MIN           | DAY      |                              | HB MIN           | (0°)     |               | ١ .                         | +                     | T .                   |                         | +          |                 |
| 0045641156N        |                 | 522        | 15225114W27MA | 27 M     | A Y 0 2                      | 2030             | 4.<br>6. | . 6           | 7                           | 20418                 | 8 2                   |                         | 7 7 BC 202 | AOR             |
| SBE 9+ 93450       | 93450-209 TIMES | IMES       | JD/TIME       | ME       |                              |                  | ۵        | DATA LOCATION | NOI                         |                       | REMARKS               | KS                      |            |                 |
| PRESS SN 53        | 53586 C         | DATA ON    |               | 4        |                              | Tape/Diskette ID | ette ID  | W.<br>File    | File Name/Header            | ler                   |                       |                         |            |                 |
| PRI TEMP SN        | 960             | START DOWN | -<br>-<br>-   |          | ١                            |                  |          |               |                             |                       | [                     |                         |            |                 |
| SECTEMP SN 3 14(20 |                 | AT DEPTH   |               |          | ı                            |                  |          |               | -                           |                       | Clea                  | Cleaned air bieed valve | leed val   | ve<br>Ve        |
| PRICOND SN 42490   |                 | AT SURFACE | ш             | '        | 9 11                         |                  |          |               |                             |                       | MAX. D                | MAX. DEPTH =            |            | E               |
| SEC COND SN        |                 | PAR S/N    | 41003         |          | FLUOR S/N                    | 50) N/S          | 36       |               | -                           |                       |                       |                         |            |                 |
| POG. TRIP<br>DEPTH | <u> </u>        | 1          |               | NVERTE   | CTD CONVERTED MONITOR VALUES | VALUES           |          |               | SAMPL                       | SAMPLE BOTTLE<br>DATA | SAN                   | SAMPLE BOTTLE NUMBER    | TENUM      | BEB             |
|                    | PRESSUPE        | <u> </u>   | PRI. TEMP.    | ₽        | SEC                          | SEC. TEMP        | S.       | SALINITY      | VS.                         | SALINITY              | SAL.                  | NUTR                    | CHL        | WHIT'S<br>NUTR. |
| 1 168              |                 |            |               |          |                              |                  |          |               |                             |                       | 53                    | 32                      |            |                 |
| 2 125              |                 |            |               |          |                              |                  |          |               |                             |                       |                       | 33                      |            |                 |
| 3 (20              |                 |            |               |          |                              |                  |          |               |                             |                       |                       | 34                      |            |                 |
|                    |                 |            |               | 4        |                              | •                | •        |               | _                           |                       |                       | 35                      |            |                 |
| 5                  |                 |            |               |          |                              |                  |          |               |                             |                       |                       | 75                      |            |                 |
| 9                  |                 |            |               |          |                              |                  |          |               |                             |                       |                       | 27                      |            |                 |
| 2 2                |                 |            |               |          |                              |                  |          |               |                             |                       |                       | 38                      |            |                 |
| 8                  |                 | :          |               |          |                              |                  |          |               |                             |                       |                       | 39                      |            |                 |
|                    |                 |            |               |          |                              |                  |          |               |                             |                       |                       | 2/1                     |            |                 |
| 10 01              | •               |            |               |          |                              |                  |          |               |                             | -                     |                       | 14                      |            |                 |
| 1.1                |                 |            |               |          |                              |                  |          |               |                             |                       |                       |                         |            |                 |
| 12                 |                 |            | ,             |          |                              |                  |          |               |                             |                       |                       |                         |            |                 |
|                    |                 |            |               |          |                              |                  |          |               |                             |                       |                       | •                       |            |                 |

| VESSEL<br>R/V Ma | VESSEL<br>R/V Maurice Ewing  | Đ.                                      | (X)        |            | PRC                          | PROJECT & LEG<br>EW02-05 Le | G<br>Leg 2       | DSDB I.D.  | B I.D.        |                      |                       | STATIO       | N DESIG                  | STATION DESIGNATION BCA Ø1 | BCA          | $\bar{\varrho}$ |
|------------------|------------------------------|---|------------|------------|------------------------------|-----------------------------|------------------|------------|---------------|----------------------|-----------------------|--------------|--------------------------|----------------------------|--------------|-----------------|
| CONSC            |                              | LATITUDE                                | FONG       | LONGITUDE  | DATE JD=                     | ሳ                           | TIME (GMT)       | DRY        | WET           | SEA STATE  VIUGISIUM |                       | WIND<br>SPD. | CLOUD (amt) TYPE REATHER | ВОТТОМ<br>DEPTH            | ·            | STA.            |
| <u></u>          | OES MIN OES MIN DES          | \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | DEG 1      | NIW        | <u>≯</u> 4                   | <del>⊈</del> 3              | E V              | <u>် ဂ</u> |               | * 1                  | 1   5                 |              | *                        | 1 1                        | ) <u>e</u> 4 | 8               |
| SE 9+            | 9 to 14                      | 35450-209 TIMES                         | TIMES      | JD/TIME    | IME                          | 9                           |                  | 2 2        | DATA LOCATION |                      |                       |              |                          |                            | _            | <u> </u>        |
| PRE              | PRESS SN 52                  | 53586                                   | DATA ON    | 1          |                              | ····                        | Tape/Diskette ID | ette ID    | File          | File Name/Header     | Header                | !            |                          |                            |              |                 |
| E                | PRI TEMP SN                  | _                                       | START DOWN | NA.        |                              |                             |                  |            |               |                      |                       |              |                          |                            |              |                 |
| SEC              | SEC TEMP SN Z, A 60 AT DEPTH | 31460                                   | АТ ОЕРТН   |            |                              |                             |                  |            |               |                      |                       |              | Clean                    | Cleaned air bleed valve    | eed val      | /e              |
| <u> </u>         | PRI COND SN 42490            | 12490                                   | AT SURFACE | ا<br>س     |                              |                             |                  |            |               |                      |                       |              | MAX. DEPTH =             | :PTH =                     |              | Ε               |
| SEC              | SEC COND SN                  | 197                                     | PAR S/N    | 4 4603     |                              | FLUOR SAN                   | 7                | J220       | :             |                      |                       |              |                          |                            |              |                 |
| 8                | TRIP<br>DEPTH                | 6                                       |            |            | CTD CONVERTED MONITOR VALUES | MONITOR                     | values           |            |               | Ø                    | SAMPLE BOTTLE<br>DATA | me           | SAMF                     | SAMPLE BOTTLE NUMBER       | LENUM        | EB<br>EB        |
|                  | <u> </u>                     | PRESSURE                                |            | PRI. TEMP. | MP.                          | SEC, TEMP                   | EMP              | SAI        | SALINITY      |                      | SALINITY              | >            | SAL.                     | NUTR.                      | 문            | WHIT'S<br>NUTR. |
| · <del>-</del>   | 08                           |   |            |            |                              |                             |                  |            |               |                      |                       |              | 54                       | 42                         |              |                 |
| 2                | 50                           |   |            |            |                              |                             |                  |            |               |                      |                       |              |                          | 43                         |              |                 |
| က                | 40                           |   |            |            |                              |                             |                  |            |               |                      |                       |              |                          | 44                         |              |                 |
| 4                | 25                           |   |            |            |                              |                             |                  |            | ,             |                      |                       |              |                          | 45                         |              |                 |
| ည                | 8                            |   |            |            |                              |                             |                  |            |               |                      |                       |              |                          | 27                         |              |                 |
| 9                | (0)                          |   |            |            |                              |                             |                  |            |               |                      |                       |              |                          | 47                         |              |                 |
| 7                | DI                           |   |            |            |                              |                             |                  |            |               |                      |                       |              |                          | 28                         |              |                 |
| ∞                |                              |   |            |            |                              |                             |                  |            |               |                      |                       | -            |                          |                            |              |                 |
| 6                |                              |   |            |            |                              |                             |                  |            |               |                      |                       |              |                          |                            |              |                 |
| 10               |                              |   |            |            |                              |                             |                  |            |               |                      |                       |              |                          |                            |              |                 |
| =                |                              |   |            |            |                              |                             |                  |            |               | _                    |                       |              |                          |                            |              |                 |
| 12               |                              |   |            |            |                              |                             | 7                |            |               | =                    |                       |              |                          |                            |              |                 |

| STATION DESIGNATION | WIND WIND OD (RETTOR STA. DEPTH NAME/ID           | (deg) (m/s) * * (m) | 0851-16 1 5518084 | REMARKS                  | eader Oh 6 28-1                   | · · · · · · · · · · · · · · · · · · · | Cleaned air bleed valve      | MAX. DEPTH = m             |                      | SAMPLE BOTTLE NUMBER DATA    | SALINITY SAL. NUTR. CHL NUTR. | 55 49 | 50    | 51    | 52   | 53    | 75 | 55   | 56    | 5.7 | 200 |    |  |
|---------------------|---|---------------------|-------------------|--------------------------|-----------------------------------|---------------------------------------|------------------------------|----------------------------|----------------------|------------------------------|-------------------------------|-------|-------|-------|------|-------|----|------|-------|-----|-----|----|--|
| G DSDB1.D.          | TIME DRY WET SELE STATE VISIBILITY NET SELE STATE | (°C) (°C) (mb) * ·  | Ĭ                 | DATA LOCATION            | Tape/Diskette ID File Name/Header |                                       |                              |                            | M 6239               |                              | SALINITY                      |       |       |       |      |       |    |      |       |     |     |    |  |
| PROJECT & LEG       | 4   | MIN DAY NO YR       | 39.49W27MAY02     | JD/TIME                  |                                   | START DOWN                            | PTH                          | RFACE                      | R SM 4603 / FLUOR SM | CTD CONVERTED MONITOR VALUES | PRI TEMP. SEC TEMP            |       |       |       |      |       |    |      |       | ,   |     |    |  |
| VESSEL.             | UDE   | DEG MIN DEG         | 5                 | SBE 9+ 52450 - 202 TIMES | PRESS SN 53580 DATA ON            | PRI TEMP SN 690 START                 | SECTEMP SN 3/4(LOC) AT DEPTH | PRICOND SN 42450 ATSURFACE |                      | POS. TRIP<br>DEPTH           | PRESSURE                      | 1 140 | 2 125 | 3 (60 | 4 75 | 200 9 | 9  | 2 38 | 8 2.9 | 6   | 10  | 11 |  |

| VESSEL<br>R/V Mai | VESSEL<br>R/V Maurice Ewing | Đ.              | A                | B          | а ш       | PROJECT & LEG<br>EW02-05 Le  | EG<br>Leg 2      | GSG               | DSDB I.D.     |               |                       | STATIO       | N DESIG                        | STATION DESIGNATION     |         |                 |
|-------------------|-----------------------------|-----------------|------------------|------------|-----------|------------------------------|------------------|-------------------|---------------|---------------|-----------------------|--------------|--------------------------------|-------------------------|---------|-----------------|
| CONSC             |                             | LATITUDE        |                  | LONGITUDE  | DATE      | 10= 147                      | TIME (GMT)       | DRY               | WET           | SEA STATE     | YTIJIBISIV<br>ON SE   | WIND<br>SPD. | CLOUD (amt)<br>3977<br>ABHTABN | BOTTOM<br>DEPTH         |         | STA.<br>NAME/ID |
|                   | 88                          | NIM             | S <del>E</del> 0 | MIN        | DΑÝ       | 1                            | E WE             | (Ç)               | (0)           | $\overline{}$ | -                     |              |                                | (E)                     | -       |                 |
| 0                 | 0075657.43N152              | 7.43 N          |                  | 35.56 WZ   | N Z J M A | A Y 0 2                      | 1007             | 07.9              | -             | 6             | 065                   |              |                                | 9                       | 1 1     | 8C.83           |
| SBE 9+            |                             | 93450-209 TIMES | TIMES            | l/df       | JD/TIME   | ,                            |                  | <b>~</b> <u>0</u> | DATA LOCATION | ATION         |                       |              | REMARKS                        | g                       |         |                 |
| 8                 | PRESS SN                    | 53586           | DATA ON          |            |           |                              | Tape/Diskette ID | ette ID           | File          | ₃ Name        | File Name/Header      |              | Childry                        | (e)                     | 0-0     | 0-25H           |
| 풉                 | PRI TEMP SN                 | 080             | START DOWN       | NW.        | :         |                              |                  |                   |               |               |                       |              |                                |                         |         | !               |
| SEC               | SEC TEMP SN                 | SHLO            | АТ ОЕРТН         |            |           |                              |                  |                   |               |               |                       |              | Clean                          | Cleaned air bleed valve | eed val | ve              |
| E<br>E            | PRICOND SN 42496            | 42490           | AT SURFACE       | Ж          |           | ,                            |                  |                   |               |               |                       |              | MAX. DEPTH =                   | = HTH=                  |         | ε               |
| SEC               | SEC COND SN                 | 197             | PAR S/N          | N 4603     | 100       | FLUOR SAN                    | S/N (62          | 23P               |               |               |                       |              |                                |                         |         |                 |
| &<br>&            | TRIP<br>DEPTH               |                 |                  | _          | ONVERTE   | CTD CONVERTED MONITOR VALUES | VALUES           |                   |               | v,            | SAMPLE BOTTLE<br>DATA | те           | SAME                           | SAMPLE BOTTLE NUMBER    | LE NUM  | BER             |
|                   |                             | HESSURE         | SUPE             | PRI. TEMP. | ∃MP.      | SEC.                         | SEC. TEMP        | SA                | SALINITY      |               | SALINITY              | >            | SAL.                           | NCTR.                   | CHL.    | WHIT'S<br>NUTR. |
| -                 | 155                         |                 |                  |            |           |                              |                  |                   |               |               |                       |              | 56                             | 53                      |         |                 |
| 7                 | 125                         |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                | Qg                      |         |                 |
| က                 | 100                         |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                | ē                       |         |                 |
| 4                 | 54                          |                 |                  | ,          |           |                              |                  |                   |               |               |                       |              |                                | 20                      |         |                 |
| ည                 | 98                          |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                | 63                      |         |                 |
| 9                 | 48                          |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                | B                       |         |                 |
| 7                 | 2,9                         |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                | 62                      |         |                 |
| 80                | 20                          |                 |                  | -          |           |                              |                  |                   |               |               |                       |              |                                | B                       |         |                 |
| တ                 | 10                          |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                | 40                      |         |                 |
| 10                | Ø                           |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                | 8                       |         |                 |
| =                 |                             |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                |                         |         |                 |
| 12                |                             |                 |                  |            |           |                              |                  |                   |               |               |                       |              |                                |                         |         |                 |

| VESSEI             |                   |            | 181        | al Cad                       | PBO IECT & LEG |                  | n ansu        | 2             |  | STATIC     | N DESIG                     | NOITANDESIGNATION       |         |                 |
|--------------------|-------------------|------------|------------|------------------------------|----------------|------------------|---------------|---------------|--|------------|-----------------------------|-------------------------|---------|-----------------|
| R/V Maurice Ewing  | Ewing             | A          | D.         | EW02-05                      | -05 L          | Leg 2            |               |               | :  |            |                             |                         | •       |                 |
| CONSC              | HTTA -            |            |            |                              | 7.             | TIME             | DRY           | WET           | HESSURE  YIJIBISITY  S S S S S S S S S S S S S S S S S S S | ONIWD      | LOUD (amt)<br>PPE<br>RETHER | BOTTOM                  |         | STA.<br>NAMEAD  |
| 980                |                   | 980        | -          | DAY MO                       | - 9 <u>5</u>   | NW H             | <u>ရှိ</u> ပ် | _             | ۸ .<br>s .   | (m/s)      | Τ *                         |                         | +-      |                 |
| 00856              | 5                 |            | \$         | A M                          | <del>  </del>  | 4                | (Q)           | 6             | မ  |            |                             | Ø) 57                   |         | <b>BCB2</b>     |
| SBE 9+ 6           | 53450~209         | TIMES      | JD/TIME    | ΛE                           |                | -                | <b>6</b>      | DATA COCATION | NOI  | П          | REMARKS                     |                         |         |                 |
| PRESS SN           | 53586             | DATA ON    |            |                              | <u> </u>       | Tape/Diskette ID | ette ID       | File          | File Name/Header   |            | (h)                         | Ch / Key @              | V-07    | _               |
| PRI TEMP SN        | 969 N             | START DOWN | <b>₹</b>   |                              |                |                  |               |               |  | <br>       |                             |                         |         |                 |
| SEC TEMP S         | SEC TEMP SN 31460 | АТ ОЕРТН   |            |                              |                |                  |               |               |  |            | Clear                       | Cleaned air bleed valve | eed val | e e             |
| PRI COND SI        | PRI COND SN 42490 | AT SURFACE | ш          |                              |                | •                |               |               |  |            | MAX. DEPTH =                | PTH =                   |         | E               |
| SECCONDSN          | 261 NS            | PAR S/N    | 4603       |                              | FLUOR S/N      | IN 623P          | 3.0           |               |  |            |                             |                         |         |                 |
| POS. TRIP<br>DEPTH | <del></del>       |            |            | CTD CONVERTED MONITOR VALUES | NITOR V        | ALUES            |               |               | SAMPLE BOTTLE<br>DATA                                      | OTTLE<br>A | SAMI                        | SAMPLE BOTTLE NUMBER    | LENUM   | BER             |
|                    | PRESS             | PRESSURE   | PRI. TEMP. | <u>م</u>                     | SEC. TEMP      | - AME            | SA            | SALINITY      | SALINITY   | <u>}</u>   | SAL.                        | NUTR.                   | CHL.    | WHIT'S<br>NUTR. |
| 1 149              |                   |            |            |                              |                |                  |               |               |  |            | 57                          | 69                      |         |                 |
| 521 2              | 10                |            |            |                              |                |                  |               |               |  |            |                             | 35                      |         |                 |
| 3 186              | 2                 |            |            | -                            |                |                  |               |               |  |            |                             | íŧ                      |         |                 |
| 4 75               | 10                | _          |            |                              |                |                  |               |               |  |            |                             | 25                      |         |                 |
| 5                  | Jent L            | alt over   | フ          |                              |                |                  |               |               |  | ĺ          |                             | 2                       |         |                 |
|                    | 8                 | 2          |            |                              |                |                  |               |               |  |            |                             | 77                      |         |                 |
| 7                  | ^                 |            |            |                              | :              |                  |               |               |  |            |                             | 73                      |         |                 |
| 8                  | 8                 |            |            |                              |                |                  |               |               |  |            |                             | 760                     |         |                 |
| 6                  |                   |            |            |                              |                |                  |               |               |  |            |                             | 43                      |         |                 |
| 10                 |                   |            |            |                              |                |                  |               |               |  |            |                             | QZ                      |         |                 |
| 11                 |                   |            |            |                              |                |                  |               |               |  |            |                             |                         |         |                 |
| 12                 |                   |            |            |                              |                |                  |               |               |  |            |                             |                         |         |                 |
|                    |                   |            |            |                              |                |                  |               |               |  |            |                             |                         |         |                 |

| Family   F | VESSEL.          |          |           | THE              | PRO       | PROJECT & LEG | (5       | O:1 BOSO | 31.D.    |                      | STA               | TION DES       | STATION DESIGNATION |          |                 |
|--|------------------|----------|-----------|------------------|-----------|---------------|----------|----------|----------|----------------------|-------------------|----------------|---------------------|----------|-----------------|
| Communication   Communicatio | R/V Maurice Ewis | ng       | A         | J                | EWO       |               | eg 2     |          |          | 120                  |                   |                |                     |          |                 |
| Section   Converted by   Section   Converted by   Section   Section   Converted by   Section   Section   Converted by   Section   Sect |                  | III III  |           | u G              | -di atvo  |               | TIME     | DRY      |          | SEA STATE<br>YTUBISI |                   | LOUD (amt)     |                     |          | STA.            |
| Sec. Table   15   15   15   15   15   15   15   1  | 8                | MIN      | DEC       | WIN              | DAY MC    | Œ             |          | ဥ        | 1        | ^ .<br>S .           |                   | ) .            | 1                   | +        |                 |
| 194   Max. Depth   Selection   Selection | 009565           | 0.0<br>A | l — l     | 7.153w           | 27 M A    | Y 0 2         | 07       | 闩        | <i>o</i> |                      | $\Box$            | 0              | 0<br>-<br>4         |          | BCB1            |
| STANDOWN   Tape/Diskette ID   File Name/Header   Ch   Hox @ ZD   |                  | 50-209   | TIMES     | JD/TI            | ME        |               |          | <u> </u> | PP (CCA) | NO!                  | : 5               | REMAF          | HKS                 |          |                 |
| START DOWN   AT DEPTH     AT DEPTH     AT SURFACE   FLUOR SIN 623 P     PARSURE   PRI TEMP.   SEC. TEMP   SALINITY   SA | •                | 3586     | DATA ON   |                  |           | <u>.</u> F    | ape/Disk | ette ID  | File     | Vame/Hea             | der               | र्             | Have                |          | 7               |
| 3/46©         AT DEPTH         AT DEPTH         ARX. DEPTH =           1992         A TSURFACE         MAX. DEPTH =         MAX. DEPTH =           1992         A PAR SIN 44663         A FLUOR SIN 623 P         MAX. DEPTH =           1993         PAR SIN 44663         A PAR SIN 44663         A PAR SIN 44663           1993         PAR SIN 44663         A PAR SIN 44663         A PAR SIN 44663           1994         PAR SIN 44663         A PAR SIN 44664         A PAR SIN 44664           1995         A PAR SIN 44664         A PAR SIN 44664         A PAR SIN 44664           1995         A PAR SIN 44664         A PAR SIN 44664         A PAR SIN 44664           1996         A PAR SIN 44664         A PAR SIN 44664         A PAR SIN 44664           1997         A PAR SIN 44664         A PAR SIN 44664         A PAR SIN 44664           1998         A PAR SIN 44664         A PAR SIN 44664         A PAR SIN 44664           1998         A PAR SIN 44664         A PAR SIN 446664         A PAR SIN 44664           1998         A PAR SIN 44664  | PRI TEMP SN      | 989      | START DOV | N.               | ;         |               |          |          |          |                      |                   |                |                     |          |                 |
| 197   PAR SIN 44cc3   PELUOR SIN 625 P   SAMPLE BOTTLE     197   PAR SIN 44cc3   PELUOR SIN 625 P  | SEC TEMP SN 2    | 1460     | АТ ОЕРТН  |                  |           |               |          |          |          |                      |                   | \ <del>8</del> | aned air b          | leed val | e e             |
| 197   Mar Sin 4663   Fluor Sin 628 P   Sample Bottle   Sallinity   Sallinity | PRI COND SN      | 12496    | AT SURFAC | щ                |           |               | S        |          |          |                      |                   | MAX.           | JEPTH =             |          | E               |
| TRIP         CTD CONVERTED MONITOR VALUES         SAMPLE BOTTLE         SAMPLE BOTTLE NUM           DEPTH         PRESSURE         PRI TEMP.         SEC. TEMP         SALINITY         SALINITY <td< td=""><td>SEC COND SN</td><td>t61</td><td>PAR S/</td><td>  1</td><td><b>Z</b></td><td>FLUOR S</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>   | SEC COND SN      | t61      | PAR S/    | 1                | <b>Z</b>  | FLUOR S       | -        |          |          |                      |                   |                |                     |          |                 |
| 136  PRESSURE   PRI, TEMP. SEC, TEMP   SALINITY   SALI, NUTR.   CHI.     126  | 1                |          |           | 0<br>0<br>0<br>0 | NVERTED N | ONITOR V      | ALUES    |          |          | SAMP                 | LE BOTTLE<br>DATA |                | MPLE BOT            | TENUM!   | HER.            |
| 136   158  |                  | SSEHA    | N.F.      | PRI. TEI         | MP.       | SEC. TE       | ∃MP      | SAI      | LINITY   | Ś                    | LINITY            | SAL.           | NUTR.               | CHL      | WHIT'S<br>NUTR. |
| 25<br>26<br>27<br>28<br>38<br>38<br>38<br>39<br>39<br>39<br>39<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30<br>30   | 1 30             |          |           |                  |           |               |          |          |          |                      |                   | 58             | 99                  |          |                 |
| 168<br>58<br>58<br>58<br>59<br>78<br>79<br>79<br>79<br>79<br>79<br>79<br>79<br>79<br>79<br>79<br>79<br>79<br>79  |                  |          |           |                  |           |               |          |          | ,        |                      |                   |                | 8                   |          |                 |
| 25<br>46<br>28<br>28<br>29<br>29<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20   | -                |          |           |                  |           |               |          |          |          |                      |                   |                | $\widehat{a}$       |          |                 |
| 26 40  |                  |          |           |                  |           | :             |          |          |          |                      |                   |                | 88                  |          |                 |
| 38<br>38<br>60<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10   |                  |          |           |                  |           |               |          |          |          |                      |                   |                | 83                  |          |                 |
|  |                  |          |           |                  |           |               |          |          |          |                      |                   |                | 8                   |          |                 |
|  |                  |          |           |                  |           |               |          |          |          |                      |                   | :              | 85                  |          |                 |
|  |                  |          |           |                  |           |               |          |          |          |                      |                   |                | 86                  |          |                 |
|  | _                |          |           |                  |           |               |          |          |          |                      |                   |                | B                   |          |                 |
| 11   |                  |          |           |                  |           |               |          |          |          |                      |                   |                | Ø                   |          |                 |
| 12   | 11               |          |           |                  |           |               |          |          | :        |                      |                   |                |                     |          |                 |
|  | 12               |          |           |                  |           |               |          |          |          |                      |                   |                |                     |          |                 |

|                            |           |             | 4           |                              | ^         |                  |           |               |                           |                       |                     |              |                         |          |                 |
|----------------------------|-----------|-------------|-------------|------------------------------|-----------|------------------|-----------|---------------|---------------------------|-----------------------|---------------------|--------------|-------------------------|----------|-----------------|
| VESSEL<br>BV Maurice Ewind | COS       | K           | M           | PROJECT                      | 프<br>※    | (G               | DSDB 1.D. | B.D.          |                           |                       | STATION DESIGNATION | DESIGN       | ATION<br>ATION          |          |                 |
|                            |           |             |             | ,                            |           | !                |           |               | ∃FIUS:<br>∃TATS<br>YTIJI8 |                       | (tms) QU            | RER          |                         |          | ·               |
| CAST # LA                  | LATITUDE  | LONGITUDE   |             | DATE JD=                     | 147       | (GMT)            | BULB      | BUE B         | A3S                       | MIND<br>DIBN.         | SPD. CI             | TYPE<br>'A∃W | BOTTOM<br>DEPTH         |          | STA.<br>NAME/ID |
| 8                          | MIN       | 930         | $\vdash$    | DAY MO                       | Ψ.        | HB MIN           | (၃)       | ) (၁,)        | $\overline{}$             | ) (bep)               | * (s/m)             | * *          | (m)                     |          |                 |
| 0105709.20NI               | 19.20 N   | 521         | 6.50 W27 MA |                              | Y 0 2     | 1415191          | 07.7      |               | 98                        | 050                   | 1 7                 |              | 0800                    | AB/      | 3A 1            |
| SBE 94 934                 | 93458-208 | TIMES       | JD/TIME     | Ē.                           |           |                  | 70        | DATA LOCATION | NOIL                      |                       | <u> </u>            | REMARKS      | 45                      |          | . (             |
| PRESS SN                   | 53586     | DATA ON     |             |                              | <u> </u>  | Tape/Diskette ID | ette ID   | File          | File Name/Header          | leader                | <u> </u>            | H K          | Max @ Inglanite.        | 1ns16    | ()<br>()        |
| PRI TEMP SN                | 6%        | START DOWN  | z           |                              |           |                  |           |               |                           | :                     | [                   |              |                         |          | ว               |
| SECTEMP SN 31460           | ,         | AT DEPTH    | -           |                              |           |                  |           |               |                           |                       |                     | Cleane       | Cleaned air bleed valve | eed valv | ø               |
| PRICOND SN 42498           | 1         | AT, SURFACE |             |                              | · .       |                  |           |               | :                         |                       | _₩                  | MAX. DEPTH = | νТН = .                 |          | Ε               |
| SEC COND SN                |           | PAR SM      | 1603        | Ž                            | FLUOR S   | S/N 62           | 6238      |               | ·                         |                       | -                   |              |                         |          |                 |
| POS. TRIP<br>DEPTH         |           |             | CTD CON     | CTD CONVERTED MONITOR VALUES | ONITOR V  | ALUES            |           |               | δ                         | SAMPLE BOTTLE<br>DATA | T.E.                | SAMPI        | SAMPLE BOTTLE NUMBER    | LENUMB   | <b>#</b>        |
|                            | PRESSURE  | - H         | PRI. TEMP.  | <u>a</u> :                   | SEC. TEMP | - AME            | SA        | SALINITY      |                           | SALINITY              |                     | SAL. I       | NCTR.                   | 吊        | WHIT'S<br>NUTR. |
| 1 26                       |           |             |             |                              |           |                  |           |               |                           |                       | - /:                | 59           | 88                      |          |                 |
| 2 50                       |           |             |             |                              |           |                  |           |               |                           |                       |                     |              | 8                       |          |                 |
|                            |           |             |             |                              |           |                  |           |               |                           |                       |                     |              | 91                      |          |                 |
| 4 30                       | ~         |             |             |                              |           |                  |           |               |                           |                       |                     |              | 76                      |          |                 |
| 5 20                       |           |             |             |                              |           |                  |           |               |                           |                       |                     |              | 93                      |          |                 |
| <b>Q</b> ) 9               |           |             |             |                              |           |                  |           |               |                           |                       |                     |              | K                       |          |                 |
| 7                          |           |             |             |                              |           |                  |           |               |                           |                       |                     |              | K                       |          |                 |
| ω                          |           |             |             |                              |           |                  |           |               |                           | ,                     |                     |              |                         |          |                 |
| 6                          |           |             |             |                              |           |                  |           |               |                           |                       |                     |              |                         | -        |                 |
| 10                         |           |             |             |                              |           |                  |           |               |                           |                       |                     |              | ,                       |          |                 |
| 11                         |           |             |             |                              |           |                  |           |               |                           |                       |                     |              |                         |          |                 |
| 12                         |           | -           |             |                              |           |                  |           |               | =                         |                       |                     |              |                         |          |                 |
|                            |           |             |             |                              |           |                  |           |               |                           |                       |                     |              |                         |          |                 |

|                           |                    |                   | 9         | -             |                              |                  |           |               | ÷                           | }                     |                      |              |                         | ,       |                 |
|---------------------------|--------------------|-------------------|-----------|---------------|------------------------------|------------------|-----------|---------------|-----------------------------|-----------------------|----------------------|--------------|-------------------------|---------|-----------------|
| VESSEL. R/V Maurice Ewind |                    | K                 | EM)       | PRO W         | PROJECT & LEG<br>EW02-05 Le  | iG<br>Lea 2      | DSDB I.D. | 31.D.         |                             | <u>ST</u>             | STATION DESIGNATION  | ESIGNA       | NOI                     |         |                 |
|                           |                    | 7                 |           |               |                              | TIME             | À         | 200           | ESTURSE - ETATS A: YTIJIBIS |                       | ∂<br>OUD (amt)<br>∃q | R3HTA3       | ВОТТОМ                  | STA.    | Ä.              |
| CAST # LAT                | LATITUDE           | LON LON           | LONGITUDE | DATE JD= 14 / | 4 g                          | (GMT)            | BULB C    | BUB (%)       | iΛ .<br>38 .                | DIRN. SPD.            | 10 .                 | M .          | DEPTH (m)               | NAME/ID | E/ID            |
| 011571                    | 5711199N           | 17                | <u>§</u>  | 27 M A        | ×                            | 40               | L         | <i>δ</i>      |                             | 1.1                   | الم                  | Ö            | 0002                    | A       | ABA2            |
| SBE 9+ 934                | 93450 - 2015 TIMES | IIMES             | JD/TIME   | ā             |                              | <u>-</u>         | 0         | DATA (SCATION | NO.                         |                       | REW                  | REMARKS      |                         |         |                 |
| PRESS SN 6                | 53586              | DATA ON           |           |               |                              | Tape/Diskette ID | ette ID   | File          | File Name/Header            | ader                  |                      |              |                         |         | İ               |
| PRI TEMP SN               |                    | START DOWN        | W         |               |                              | •                |           |               |                             |                       |                      |              |                         |         |                 |
| SECTEMP SN 31460          | \                  | АТ ОЕРТН          |           | :             |                              |                  |           |               |                             |                       |                      | leaned       | Cleaned air bleed valve | d valv  | 0               |
| PRICOND SN 42496          |                    | AT SURFAC         | , щ       |               | :                            |                  |           |               |                             |                       | MAX                  | MAX. DEPTH = | <b>#</b> H              |         | Ε               |
| SEC COND SN               |                    | PAR S/N           | N 4603    |               | FLUOR S/N                    | S/N 623          | 37        |               |                             |                       |                      |              |                         |         |                 |
| POS. TRIP<br>DEPTH        |                    | <u> </u><br> <br> | I -       | VERTED        | CTD CONVERTED MONITOR VALUES | ALUES            |           |               | SAMI                        | SAMPLE BOTTLE<br>DATA |                      | SAMPLE       | SAMPLE BOTTLE NUMBER    | NOMB    | 6               |
|                           | 3 NSSE             | <u>u</u>          | PRI TEMP  | ٥             | SEC. TEMP                    |                  | არ        | SALINITY      | 0                           | SALINITY              | SAL                  | <u> </u>     | NET PA                  | 吊       | WHIT'S<br>NUTR. |
| - 75                      |                    |                   |           |               |                              |                  |           |               |                             |                       | 8                    |              | 96                      |         |                 |
| 2 58                      |                    | i                 |           |               |                              |                  |           |               |                             |                       |                      |              | なる                      |         |                 |
|                           |                    |                   |           |               |                              |                  |           |               |                             |                       |                      | 0)           | 98                      |         |                 |
|                           |                    |                   | :         |               |                              |                  |           |               |                             |                       |                      | <i>(</i> )   | 66                      |         |                 |
| 5 29                      |                    |                   |           |               |                              |                  | 4         |               |                             |                       |                      | 100          | 180                     |         |                 |
| 9                         | POTITY.            | DION,             | 1 - TRIP. | 113 0         | 2005 条                       | 3 Moto           | ad of     | 本人            |                             |                       |                      | 5            | IQ.                     |         |                 |
|                           |                    |                   |           |               |                              |                  |           |               |                             |                       |                      | 7            | 1002                    |         |                 |
| 8                         |                    |                   |           |               |                              |                  |           |               |                             |                       |                      |              | 3<br>3.                 |         |                 |
| 6                         |                    |                   |           |               |                              |                  |           |               |                             |                       |                      |              |                         | ŀ       |                 |
| 10                        |                    |                   |           |               |                              |                  |           |               |                             |                       | -                    | +            |                         |         |                 |
| 11                        |                    |                   |           |               |                              |                  |           |               |                             |                       | _                    | 1            | +                       |         |                 |
| 12                        |                    |                   |           | -             |                              |                  |           |               | _                           |                       | _                    | $\dashv$     | $\dashv$                | ş       |                 |
|                           |                    |                   |           |               |                              |                  |           |               |                             |                       |                      |              |                         |         |                 |

|                 | Į,                | i<br>:                     |            |            | Caa                          | DECT 9 1 EG |                  | ונפט     | 019090        |                       |                             | OTATA     | Close                          | CTATION DECICALATION    |           |                 |
|-----------------|-------------------|----------------------------|------------|------------|------------------------------|-------------|------------------|----------|---------------|-----------------------|-----------------------------|-----------|--------------------------------|-------------------------|-----------|-----------------|
| ₹ <u>%</u>      | R/V Maurice Ewing | ing                        | Þ          |            | EWO                          | EW02-05 L   | Leg 2            | 2        |               | Gg.                   | ·                           |           | V DESIGN                       |                         |           |                 |
| CONISC<br>CAST# |                   | LATITUDE                   | PIONE      | LONGITUDE  | DATE JD=                     | t b         | TIME<br>(GMT)    | DRY      | WET           | HUSSERPE<br>STATS ABS | YTIJIBISIV<br>ON W<br>DRIN. | WIND GIVE | CLOUD (amt)<br>TYPE<br>MENTAER | ВОТТОМ<br>DEPTH         |           | STA.<br>NAME/ID |
|                 | 580               | MIN                        | 580<br>C   | H          | DAY MO                       | Œ           | H MIN            | ()<br>() | (S)           |                       | (deg)                       | -         |                                | (m)                     | $\square$ |                 |
| 0               | 257               | 0125714.68 NISZOS.60 WZ7MA | 1520       | 3.60 W     | 27 MA                        | Y 0 2       | 17/160           | 10       | •             | <u>り</u>              | 080                         | <u>১</u>  | Ŭ                              | 900                     |           | ABAB            |
| SBE             | SBE 9+ 934        | 93450 - 209 TIMES          | TIMES      | JD/TIME    | ME                           |             |                  | 6        | DATA LOCATION | NOIL                  |                             | <u>ц</u>  | REMARKS                        | ·<br>·                  |           |                 |
| PRE             | PRESS SN 5        | 53586                      | DATA ON    |            |                              |             | Tape/Diskette ID | ette ID  | ¥.            | File Name/Header      | Header                      |           |                                |                         |           |                 |
| ᇤ               | PRI TEMP SN       | 690                        | START DOWN | ¥          |                              |             | •                |          |               |                       |                             |           |                                |                         |           |                 |
| SEC             | SECTEMP SN 31460  | 31460                      | АТ ДЕРТН   |            |                              |             |                  | d        |               |                       |                             |           | Clean                          | Cleaned air bleed valve | eed val   | Ą.              |
| PR              | PRICOND SN 42450  | 12490                      | AT SURFACE | Щ          |                              | -           |                  |          |               |                       |                             |           | MAX. DEPTH =                   | PTH =                   |           | ٤               |
| SEC             | SEC COND SN       | l                          | PAR SM     | N 460/2    | 3                            | FLUOR S/N   | ٦                | 235      |               |                       |                             |           |                                |                         |           |                 |
| 8               | TRIP              |                            |            | 1          | CTD CONVERTED MONITOR VALUES | ONITOR V    | ALUES            |          |               | 35                    | SAMPLE BOTTLE<br>DATA       | TLE       | SAMP                           | SAMPLE BOTTLE NUMBER    | LENUM     | BER             |
|                 |                   | PRESSURE                   | E S        | PRI. TEMP. | MP.                          | SEC. TEMP   | ∃MP              | SA       | SALINITY      | <u>.</u>              | SALINITY                    |           | SAL.                           | NCTR.                   | 유         | WHIT'S<br>NUTR. |
| •               | dolo              | 3                          |            |            |                              |             |                  |          |               |                       |                             |           | /9                             | 10                      |           |                 |
| 7               | 50                |                            |            |            |                              |             | :                |          |               |                       |                             |           |                                | 201                     |           |                 |
| က               | 40                |                            |            |            |                              |             |                  |          |               |                       |                             |           |                                | 103                     |           |                 |
| 4               | 30                | (                          |            |            |                              |             |                  |          |               |                       |                             |           |                                | 10/4                    |           |                 |
| 5               | 20                |                            |            |            |                              |             |                  |          |               |                       |                             | 1         |                                | 105                     |           |                 |
| 9               | 10                |                            |            |            |                              |             |                  |          |               |                       |                             |           |                                | B                       |           |                 |
| 7               | Ø                 | ,                          |            |            |                              |             |                  |          |               |                       |                             |           |                                | 100                     |           |                 |
| 80              |                   |                            |            |            |                              |             |                  |          |               |                       |                             |           |                                |                         |           |                 |
| 6               |                   |                            | ,          |            |                              |             |                  |          |               |                       |                             |           |                                |                         |           |                 |
| 9               |                   |                            |            |            |                              |             |                  |          |               |                       |                             |           |                                |                         |           |                 |
| Ξ               |                   |                            |            |            |                              |             |                  |          |               |                       |                             |           |                                |                         |           |                 |
| 12              |                   |                            |            |            |                              |             |                  |          |               |                       |                             | ┪         |                                |                         | 525       |                 |
|                 |                   |                            |            |            |                              |             |                  |          |               |                       |                             |           |                                |                         |           |                 |

| VESSEL             |                 | 9          |           | PRO                          | PROJECT & LEG | G                | idsa                                  | DSDB I.D.     |                        | S                     | TATION                    | STATION DESIGNATION                              | VATION                  |          |                 |
|--------------------|-----------------|------------|-----------|------------------------------|---------------|------------------|---------------------------------------|---------------|------------------------|-----------------------|---------------------------|--|-------------------------|----------|-----------------|
| R/V Maurice Ewing  | )d              | ×          |           | EWC                          | EW02-05       | Leg 2            |                                       |               |                        |                       |                           |  |                         |          |                 |
| et Kit er          |                 |            |           |                              | ,             |                  |                                       |               | ∃FUS<br>∃TATS<br>YTIJI |                       | (tms) QL                  | HER  |                         |          |                 |
| CAST # LAT         | LATITUDE        | ONO        | LONGITUDE | DATE JD=                     | 147           | TIME<br>(GMT)    | BUB                                   | WET           | SEA:                   | O NE                  | MND<br>SPD:<br>01:010     | ∃GYT<br>rA∃W                                     | BOTTOM                  |          | STA.<br>NAME/ID |
| 8                  | NIN             | 0E3        | MIN       | DAY MO                       | Œ             | H WIN            | (၃့)                                  | $\mathbf{I}$  |                        | (ded)                 | _                         |  | (m)                     | $\vdash$ |                 |
| 0145720.03 N       | 0.03 N          | 151151     |           | 27 W 27 M A                  | Y 0 2         | 2005             | 70                                    |               | 9                      |                       | 228                       | 5  | 992                     | 4        | 845             |
| SBE 9+ 9 <b>34</b> | 93450-209 TIMES | IIMES      | JD/TIME   | IME                          |               |                  | Õ                                     | DATA LOCATION | %E                     |                       | <u> </u>                  | REMARKS  | 48                      |          |                 |
| PRESS SN           | <i>53586</i>    | DATA ON    |           |                              | <u>, ,</u>    | Tape/Diskette ID | ette ID                               | E E           | File Name/Header       | eader                 | $\mathcal{D}_{\parallel}$ | のメダンチ  | 1                       | かいろ く    | 15              |
| PRI TEMP SN        | 6%              | START DOWN | Ş         |                              | !             |                  |                                       |               |                        |                       |                           |  |                         |          |                 |
| SEC TEMP SN 3/4/60 |                 | АТ ОЕРТН   |           | :                            |               |                  |                                       |               |                        |                       |                           | Cleane   | Cleaned air bleed valve | eed val  | ,               |
| PRI COND SN 42490  |                 | AT SURFACE | щ         |                              | ă.            |                  |                                       |               |                        |                       | Σ                         | MAX. DEPTH =                                     | = HTc                   |          | E               |
| SEC COND SN        |                 | PAR S/N    | 400       | [M                           | FLUOR SAN     |                  | 623P                                  |               |                        |                       |                           |  |                         |          |                 |
| POS. TRIP<br>DEPTH | Î               |            | 1         | CTD CONVERTED MONITOR VALUES | MONITOR \     | /ALUES           |                                       |               | SAN                    | SAMPLE BOTTLE<br>DATA | <u>"</u>                  | SAMPI  | SAMPLE BOTTLE NUMBER    | LENUM    | EB.             |
|                    | 30 8566         | <u>u</u>   | PRI TEMP  | dM                           | SEC TEMP      | dWE              | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | SALINITY      | <u> </u>               | SALINITY              |                           | NAS.   | E Z                     | 유        | WHIT'S<br>NUTR. |
| 1 60               |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           | <del>                                     </del> | 1/2                     |          |                 |
| 2 50               |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  | 116                     |          | :               |
| 3 40               |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  | 117                     |          |                 |
| 4 30               |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  | 15                      |          |                 |
| 5 20               |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  | 16                      |          |                 |
| 01 9               |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  | 120                     |          |                 |
| 0 2                |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  | 121                     |          |                 |
| 80                 |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  |                         |          | 4               |
| G                  |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  |                         |          | ¥5              |
| 10                 |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  | -                       |          |                 |
| 11                 |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           | 7.1  | :                       | .,.      |                 |
| 12                 |                 |            |           |                              |               |                  |                                       |               | .007                   |                       | _                         |  |                         |          |                 |
| <u> </u>           |                 |            |           |                              |               |                  |                                       |               |                        |                       |                           |  |                         |          |                 |

|                             |                 |                |               |                              |                             |                  |                        | ũ             | 8                            |                       |                               |                         |           |                 |
|-----------------------------|-----------------|----------------|---------------|------------------------------|-----------------------------|------------------|------------------------|---------------|------------------------------|-----------------------|-------------------------------|-------------------------|-----------|-----------------|
| VESSEL<br>R/V Maurice Ewing | ng              | K              |               | PRO<br>EW0                   | PROJECT & LEG<br>EW02-05 Le | G<br>Leg 2       | DSDB 1.D.              | 8 1.D.        |                              | STAI                  | STATION DESIGNATION           | GNATION                 |           |                 |
| CONSC<br>CAST #             | LATITUDE        | SNOT           | ONGITUDE      | ረት∣≔ar ∃⊥va                  | 147                         | TIME<br>(GMT)    | DRY                    | WET           | ESSSHRE ETATS A38 THISISIN N | WIND WIND             | CLOUD (amt)<br>PPE<br>NEATHER | BOTTOM<br>DEPTH         |           | STA.<br>NAME/ID |
| 5 4                         | Min<br>Win<br>W | DBG<br>1 5 2 0 | MIN<br>4.28 W | DAY MD                       | V 0 ₹                       | H MIN AZZZ       | <u>भ</u><br>छ <u>े</u> |               | )                            | + ×                   | . 8                           |                         | 1.0       | ABBISION        |
| SBE 9+ 9754                 | 93450-209 TIMES | TIMES          | JD/TIME       | THE STATE OF                 |                             |                  | 1                      | DATA LOCATION |                              | <u>-</u>              | REMARKS                       | SS.                     |           | l.              |
| PRESS SN 57                 | 98525           | DATA ON        |               |                              | <u></u>                     | Tape/Diskette ID | ette ID                | File          | File Name/Header             | Jer                   | <b>多本子</b><br>(1)             | 1                       | 10-12m    |                 |
| PRI TEMP SN                 | 696             | START DOWN     | ¥             |                              | !                           |                  |                        |               |                              |                       | [                             |                         |           |                 |
| SECTEMP SN 31460            |                 | АТ ОЕРТН       |               |                              |                             |                  | 5                      |               |                              |                       | Sie<br>Clea                   | Cleaned air bleed valve | leed valv | ē               |
| PRICOND SN 49490            |                 | AT SURFACE     | ш             |                              |                             |                  |                        |               |                              |                       | MAX. D                        | MAX. DEPTH =            |           | Ε               |
| SEC COND SN                 | 197             | PAR S/N        | 4663          | 7                            | FLUOR S/N                   | SM 623P          | ا<br>اجے               |               |                              |                       |                               |                         |           |                 |
| POS. TRIP<br>DEPTH          |                 |                |               | CTD CONVERTED MONITOR VALUES | AONITOR \                   | ALUES            |                        |               | SAMPL                        | SAMPLE BOTTLE<br>DATA | SAN                           | SAMPLE BOTTLE NUMBER    | LENUME    | Œ,              |
|                             | 34NSS344        | JRE            | PRI. TEMP.    | <u>P</u>                     | SEC. TEMP                   | EMP              | SAI                    | SALINITY      | SA                           | SALINITY              | SAL.                          | NUTR.                   | GHL.      | WHIT'S<br>NUTR. |
| 1 65                        |                 |                |               |                              |                             |                  |                        |               |                              |                       | 13                            | 122                     |           |                 |
| 2 50                        |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               | 123                     |           |                 |
| 3 40                        |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               | 124                     |           |                 |
| 4 30                        |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               | 125                     |           |                 |
| 5 20                        |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               | 126                     |           |                 |
| 6 10                        |                 |                |               | -                            |                             |                  |                        |               |                              |                       |                               | 421                     |           |                 |
| 7                           |                 |                |               |                              | :                           |                  |                        |               |                              |                       |                               | 128                     |           |                 |
| 8                           |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               |                         |           |                 |
| 6                           |                 |                |               |                              |                             |                  |                        |               |                              |                       | ;                             |                         |           |                 |
| 10                          |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               |                         | -         |                 |
| 11                          |                 |                |               |                              |                             | 1                |                        |               | ,                            |                       |                               |                         |           |                 |
| 12                          |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               |                         |           |                 |
|                             |                 |                |               |                              |                             |                  |                        |               |                              |                       |                               |                         |           |                 |

| VESSEL<br>R/V Maurice Ewing | ce Ewing               | 72         |            | 4 1    | PROJECT & LEG<br>EW02-05 Le  | G<br>Leg 2       | DSDB I.D. | 81.D.         | :                    | STA                   | STATION DESIGNATION | GINATION                |            |                 |
|-----------------------------|------------------------|------------|------------|--------|------------------------------|------------------|-----------|---------------|----------------------|-----------------------|---------------------|-------------------------|------------|-----------------|
| CONSC<br>CAST#              | LATITUDE               | HONGILIDE  |            | DATE , | Ų.                           | TIME (GMT)       | DRY       | WET           | SEA STATE VISIBILITY | WIND WIND             | CLOUD (amt)         | MEATHER BOTTOM          |            | STA.<br>NAME/ID |
| 7<br>7                      | DEG MIN                |            | MIN D/     | र्मे   | MO YR                        | HR MIN 2 2 2 2 2 | ू<br>र    |               | · 5                  | Ęď                    | * *                 |                         | 1 4        | RMD             |
| SBE 9+                      | GYKO-209 TIMES         | TIMES      | JD/TIME    | IME    |                              |                  | ' I       | DATA LOCATION |                      |                       |                     | _                       | <u>S</u>   | 2               |
| PRESS SN                    | 235 86                 | DATA ON    |            |        |                              | Tape/Diskette ID | ette ID   | ,<br>File     | File Name/Header     | ader                  | CITUMAX             | WX Q                    | ~ 1cm      | ٤               |
| PRI TEMP SN                 | 969                    | START DOWN | Z          |        | 3.1                          |                  |           |               |                      |                       | [                   |                         |            |                 |
| SEC TEMF                    |                        | АТ ОЕРТН   |            |        |                              |                  |           |               |                      |                       |                     | Cleaned air bleed valve | oleed val  | Ve              |
| PRICOND                     | PRICOND SN 42940       | AT SURFACE |            |        |                              |                  |           |               |                      |                       | MAX.                | MAX. DEPTH =            | 67         | E               |
| SEC COND SN                 |                        | PAR SM     | 4603       | 7      | FLUOR SM                     | SM 623P          | 37        |               |                      |                       |                     |                         |            |                 |
| SS<br>E EG                  | тя <b>і</b> Р<br>ОЕРТН |            | СТВОС      | NVERTE | CTD CONVERTED MONITOR VALUES | VALUES           |           |               | SAM                  | SAMPLE BOTTLE<br>DATA |                     | SAMPLE BOTTLE NUMBER    | TLE NUM    | BER             |
|                             | PPESSURE               | AL H       | PRI. TEMP. | MP.    | SEC.                         | SEC. TEMP        | SA        | SALINITY      | 3                    | SALINITY              | SAL.                | NUTR.                   | GHL<br>GHL | WHIT'S<br>NUTR. |
| 1                           | 49                     |            |            |        |                              |                  |           |               |                      |                       | 59                  | 129                     |            |                 |
| 2                           | Şo                     |            |            |        |                              |                  |           |               |                      |                       |                     | 133                     |            |                 |
| ဇ                           | OH)                    |            |            |        |                              |                  |           |               |                      |                       |                     | 151                     |            | :               |
| 4                           | 30                     |            |            |        |                              |                  |           |               |                      |                       |                     | 192                     |            |                 |
| 5                           | 20                     |            |            |        |                              |                  |           | :             |                      |                       |                     | 133                     |            |                 |
| 9                           | (0                     |            |            |        |                              |                  |           |               |                      |                       |                     | 1,2                     |            |                 |
| 7                           | 0                      |            |            |        |                              |                  |           |               |                      |                       |                     | 1 35                    |            |                 |
| ω                           |                        |            |            | E      |                              |                  |           |               |                      |                       |                     |                         |            |                 |
| 6                           |                        |            |            |        |                              |                  |           |               |                      |                       |                     |                         |            |                 |
| 10                          |                        |            |            |        |                              |                  |           | :             |                      |                       |                     |                         |            |                 |
| 1-1                         |                        |            |            |        |                              |                  |           | :             | ·                    |                       | _                   |                         |            |                 |
| 12                          |                        | <u>}</u>   | Ì          |        |                              |                  |           |               | _                    |                       | _                   |                         |            |                 |

| VESSEL.<br>R/V Maurice Ewing | D               | (~)         | $\alpha$   | PRC          | PROJECT & LEG<br>EW02-05 Le  | G<br>Leg 2       | dsa         | DSDB I.D.     |                       |                                | STATIC       | ON DESIC                       | STATION DESIGNATION     |          |                 |
|------------------------------|-----------------|-------------|------------|--------------|------------------------------|------------------|-------------|---------------|-----------------------|--------------------------------|--------------|--------------------------------|-------------------------|----------|-----------------|
| CONSC<br>CAST # LATI         | LATITUDE        | LONGITUDE   | UDE        | DATE JD= 148 |                              | TIME<br>(GMT)    | DRY<br>BULB | WET           | PRESSURE<br>STATE ABS | YISIBILITY<br>ON WIND<br>STATE | WIND<br>SPD. | CLOUD (amt)<br>TYPE<br>WEATHER | BOTTOM<br>DEPTH         |          | STA.<br>NAME/ID |
| DBG N                        | MIN             | <b>DEG</b>  | MIN        | DAY          | NO YR                        | HB MIN           | (C)         | (°C)          | (mb) *                | (geb)                          | (m/s)        | *                              | (m)                     |          |                 |
| 19.8045410                   | N ) 9           | 21 22       | 5/21.88W2  | 28 M A       | Y 0 2                        | 4200             | 4           | 7             | 925                   | 8409                           | 22           | 8 2                            | 24<br>                  |          | ABB 03          |
| SBE 9+ <b>434</b>            | 93450-204 TIMES | IMES        | JD/TIME    | ME           |                              | :<br>3           | ۵           | DATA LOCATION | VOIL                  |                                |              | REMARKS                        | ,                       | the less |                 |
| PRESS SN                     | 235 و ۵         | DATA ON     | į          |              | <u> </u>                     | Tape/Diskette ID | ette ID     | ĬĬ.           | Name                  | File Name/Header               |              | がかり                            | - 1                     |          |                 |
| PRI TEMP SN                  | 8 969           | START DOWN  | 2          |              | l                            |                  |             |               |                       |                                |              |                                | -                       |          |                 |
| SEC TEMP SN                  | 71460 A         | АТ БЕРТН    |            | :            |                              |                  |             |               |                       |                                |              | Clea                           | Cleaned air bieed valve | leed val | ve              |
| PRI COND SN                  | 42940 A         | AT SURFACE  |            | ,            |                              |                  |             |               |                       |                                |              | MAX. DEPTH                     | EPTH =                  |          | Ε               |
| SEC COND SN                  |                 | PAR S/N     | 4603       | 1            | FLUOR S/N                    | SN 623P          | 65          |               |                       |                                |              |                                |                         |          |                 |
| POS.                         |                 |             | ľ          | WERTED       | CTD CONVERTED MONITOR VALUES | VALUES           |             |               |                       | SAMPLE BOTTLE                  | тте          | SAM                            | SAMPLE BOTTLE NUMBER    | LE NUM   | BER             |
| H A                          |                 |             |            | z.           |                              |                  |             |               |                       | DATA                           |              |                                |                         |          |                 |
|                              | PRESSURE        | <del></del> | PRI. TEMP. | MP.          | SEC. TEMP                    | EMP              | SA          | SALINITY      |                       | SALINITY                       | <b>&gt;</b>  | SAL.                           | NUTR.                   | CH.      | WHIT'S<br>NUTR. |
| 1 68                         |                 |             |            |              |                              |                  |             | ,             |                       |                                |              | 99                             | 1                       |          |                 |
| 2 50                         |                 |             |            |              |                              |                  |             |               |                       |                                |              |                                | 7                       |          |                 |
| 3 40                         |                 |             |            |              |                              |                  | ,           |               |                       |                                |              |                                | ر<br>م                  |          |                 |
| 4                            |                 |             |            |              |                              | *                |             |               |                       |                                |              |                                | t                       |          |                 |
| 5 20                         |                 |             | :          |              |                              |                  |             |               |                       |                                |              |                                | 5                       |          |                 |
| 0 1. 9                       |                 | -           |            |              |                              |                  |             |               |                       |                                |              |                                | <b>S</b>                |          |                 |
| 0 2                          |                 |             |            |              |                              |                  |             |               |                       |                                |              |                                | 4                       |          |                 |
| 8                            |                 |             |            |              |                              |                  |             |               |                       |                                |              |                                |                         |          |                 |
| 6                            |                 | ï           |            |              |                              |                  |             |               |                       |                                |              |                                |                         | j.       |                 |
| 10                           |                 |             |            | -            |                              |                  |             |               |                       |                                |              |                                |                         |          |                 |
| -                            |                 |             |            |              |                              |                  |             |               |                       |                                |              |                                |                         |          |                 |
| 12                           |                 |             |            |              |                              |                  |             |               | 54!                   |                                |              |                                |                         |          | -               |
|                              |                 |             |            |              |                              |                  |             |               |                       |                                |              |                                |                         |          |                 |

| VESSEL<br>R/V Maurice Ewing | ing             | 1/2        |            | PP<br>EV | PROJECT & LEG<br>EW02-05 Le  | EG<br>Leg 2      | DSDB I.D. | 3 I.D.        |   | STATK         | STATION DESIGNATION          | SNATION                 |          |                 |
|-----------------------------|-----------------|------------|------------|----------|------------------------------|------------------|-----------|---------------|---|---------------|------------------------------|-------------------------|----------|-----------------|
| CONSC<br>CAST #             | LATITUDE        | SNO        | ONGIT IDE  | DATE .   | DATE .ID= 148                | TIME             | DRY       | WET           | SEA STATE NISIBILITY O V NEW YORK NISIBILITY O V NISIBILITY O V NISIBILITY O V NISIBILITY | ONIWD C       | COUD (amt)<br>PPE<br>ABHTAER | BOTTOM                  |          | STA.<br>NAME/ID |
| 8                           | Z               | 980        | ¥.         | DAY      | W QW                         | N<br>W           | (S)       | ТТ            |   | $\overline{}$ | 1.                           | Œ                       | $\top$   | <br> -          |
| 1 6 1 8 5 7 1               | 11.07<br>N      | 1214       | 子.0+家      | <u>≫</u> | A Y 0 2                      | 01 50            | <u>+</u>  | <br>          | 924708h   | 2 24          | 20<br>↑√                     | 9                       | 8 4 B    | ABBOUT          |
| SBE 9+ 91                   | 93450-204 TIMES | TIMES      | /ar        | JD/TIME  |                              |                  | 20        | DATA (OCATION | NOI   |               | REMARKS                      | တ္ဆ                     | *        |                 |
| PRESS SN                    | SSS & BATA ON   | DATA ON    | ļ          |          | <br>                         | Tape/Diskette ID | ette ID   | File          | File Name/Header  |               | ハチロイ                         | NA A AFRANC CHI MAK     | 75       | Į.              |
| PRI TEMP SN                 | 969             | START DOWN | ₹          |          |                              |                  |           |               |   | 1             |                              | -                       |          |                 |
| SEC TEMP SN                 | 31460           | АТ ОЕРТН   |            |          |                              |                  |           |               |   |               | Clear                        | Cleaned air bleed valve | leed val | 9               |
| PRICOND SN 42940            |                 | AT SURFACE | Ų.         |          |                              |                  |           |               |   | ,             | MAX. DEPTH                   | ΞPTH =                  |          | ٤               |
| SEC COND SN                 | 197             | PAR S/N    | v 4603     | 3        | FLUOR SAN                    | S/N (22)         | ٦         |               |   |               |                              |                         |          |                 |
| POS. TRIP<br>DEPTH          |                 |            | _          | ONVERTE  | CTD CONVERTED MONITOR VALUES | VALUES           |           |               | SAMPLE BOTTLE<br>DATA   | BOTTLE<br>FA  | SAM                          | SAMPLE BOTTLE NUMBER    | TE NUM   | BER             |
| -                           | PRESSURE        | URE        | PRI. TEMP. | EMP.     | SEC.                         | SEC. TEMP        | SAI       | SALINITY      | SALINITY  | ΥII           | SAL.                         | NUTR.                   | CHL.     | WHIT'S<br>NUTR. |
| 1 61                        |                 |            |            |          |                              |                  |           |               |   |               | €3                           | ∞                       |          |                 |
| 2 50                        |                 |            |            |          |                              |                  |           |               |   |               |                              | 9                       |          |                 |
| oh ह                        |                 |            |            |          |                              |                  |           |               |   |               |                              | 0                       |          |                 |
| 4 30                        |                 |            |            |          |                              |                  |           |               |   |               |                              | =                       |          |                 |
| 5 20                        |                 |            |            |          |                              |                  |           |               |   |               |                              | 7                       |          |                 |
| 6 10                        |                 |            |            | ٠        |                              |                  |           |               |   |               |                              | 7                       |          |                 |
| 7                           |                 |            |            |          |                              |                  |           |               |   |               |                              | Ā                       |          |                 |
| 8                           |                 |            |            |          | ,                            |                  | •         |               |   |               |                              |                         |          |                 |
| 6                           |                 |            |            |          |                              |                  |           |               |   |               |                              |                         |          |                 |
| 10                          |                 |            |            |          |                              |                  |           | 4             |   |               |                              |                         |          |                 |
| 11                          |                 |            |            |          |                              |                  |           | -             |   |               |                              | 1                       |          |                 |
| 12                          |                 |            |            |          |                              |                  |           |               |   |               |                              |                         |          |                 |
|                             |                 |            |            |          |                              |                  |           |               |   |               |                              |                         |          |                 |

| VESSEL<br>R/V Maurice Ewing | ing             | \\{-\}         | X          | а ш      | PROJECT & LEG<br>EW02-05 Le  | EG<br>Leg 2      | asa         | DSDB I.D.     |                                     | ST                    | ATION               | STATION DESIGNATION | ATION                   |           |                 |
|-----------------------------|-----------------|----------------|------------|----------|------------------------------|------------------|-------------|---------------|-------------------------------------|-----------------------|---------------------|---------------------|-------------------------|-----------|-----------------|
| CONSC<br>CAST# LA           | LATITUDE        | LONG           | LONGITUDE  | DATE JD= | 3월 =ar                       | TIME<br>(GMT)    | DRY<br>BULB | WET           | PRESSURE<br>SEA STATE<br>VISIBILITY | WIND W                | WIND<br>CLOUD (amt) | MEATHER<br>WEATHER  | BOTTOM<br>DEPTH         | S.<br>NAN | STA.<br>NAME/ID |
| 990                         | MIN             | DE3            | NIN.       | DAY      | W QW                         | HB MIN           | (၁့)        | (°C)          | *                                   |                       |                     | *                   | (m)                     |           |                 |
| 1 729 10                    | 3.56N           | 121            | 42.801     | D W28 M  | A Y 0 2                      | 0316             | 2.8         | 6             | 1                                   | 2858                  | 9                   |                     | 5                       |           | ABBIØS          |
| SBE 9+ d                    | 93450-200 TIMES | TIMES          | JD/        | JD/TIME  |                              |                  | ۵           | DATA LOCATION | NOI                                 | •                     | 문                   | REMARKS             |                         | -         |                 |
| PRESS SN                    | SSSE DATAON     | DATA ON        |            |          | 1                            | Tape/Diskette ID | cette ID    | E E           | File Name/Header                    | ader                  |                     | AG                  | Actual depth            | F         |                 |
| PRI TEMP SN                 | 696             | 696 START DOWN | WN         |          |                              |                  |             |               |                                     |                       |                     |                     |                         |           |                 |
| SEC TEMP SN                 | 31460 AT DEPTH  | AT DEPTH       |            |          |                              | _                |             |               |                                     |                       |                     | Cleaned             | Cleaned air bleed valve | ed valv   | 9               |
| PRI COND SN                 | gato            | AT SURFACE     | 띴          |          |                              |                  |             |               |                                     |                       | MA                  | MAX. DEPTH =        | TH =                    |           | ε               |
| SEC COND SN                 | 163             | PAR SAN        | N 4603     | 2        | FLUOR SAN                    |                  | G23P        |               |                                     |                       |                     |                     |                         |           |                 |
| POS. TRIP<br>DEPTH          |                 |                | -          | ONVERTE  | CTD CONVERTED MONITOR VALUES | VALUES           |             |               | SAM                                 | SAMPLE BOTTLE<br>DATA | щ                   | SAMPLI              | SAMPLE BOTTLE NUMBER    | ENOME     | E E             |
|                             | PRESSURE        | E G            | PRI. TEMP. | EMP.     | SEC.                         | SEC. TEMP        | - S         | SALINITY      |                                     | SALINITY              | တ                   | SAL. N              | NCTR.                   | 품         | WHIT'S<br>NUTR. |
| 1                           |                 |                | -          |          |                              |                  |             |               |                                     |                       |                     | 4/                  | 38                      |           |                 |
| 2                           |                 |                |            |          | -                            |                  |             |               | 4                                   |                       |                     |                     |                         |           | :               |
| 3                           | 4 SV            | battles        | Atken      | Leca     | 150 JSV                      | Hoap.            | 1 end       | 10t           | K.                                  |                       |                     |                     |                         |           |                 |
| 4                           | trace           | bloop          | 1 56       | V4[zd,   |                              |                  |             |               |                                     |                       |                     |                     |                         |           |                 |
| 2                           |                 | ,              |            |          |                              |                  |             |               |                                     |                       |                     |                     |                         |           |                 |
| 9                           | (d. ·           |                |            |          |                              |                  |             |               | *                                   |                       |                     |                     |                         |           |                 |
| 7                           |                 |                |            |          |                              |                  |             |               |                                     |                       | <u> </u>            |                     |                         | j         |                 |
| 80                          |                 |                |            |          |                              |                  |             |               |                                     |                       |                     |                     | 1                       |           |                 |
| 6                           |                 |                |            |          | _                            |                  |             |               |                                     |                       |                     |                     |                         |           |                 |
| 10                          |                 |                |            |          |                              |                  |             | ·             |                                     |                       | +                   |                     |                         |           | 4               |
| 11                          |                 |                |            |          |                              |                  |             |               |                                     |                       |                     | -                   |                         |           |                 |
| 12                          |                 |                |            |          |                              |                  |             |               |                                     |                       | -                   |                     |                         |           |                 |
|                             |                 |                |            |          |                              |                  |             |               |                                     |                       |                     |                     |                         |           |                 |

| CONSCIENT   CONSTITUTE   CONS | VESSEL<br>R/V Ma | VESSEL.<br>R/V Maurice Ewing | ing     | 14        |  | PRO.                         | PROJECT & LEG<br>EW02-05 Le | EG<br>Leg 2 | IDSD    | DSDB I.D. |            |            | STATIC            | ON DESIG | STATION DESIGNATION | -       |                 |
|--|------------------|------------------------------|---------|-----------|--|------------------------------|-----------------------------|-------------|---------|-----------|------------|------------|-------------------|----------|---------------------|---------|-----------------|
| Color   Colo | 9 S              | ·                            | TITUDE  | FONG      |  | ATE JD=                      | 148                         | TIME (GMT)  | DRY     | WET       | SEA STATE  | VISIBILITY | WIND<br>SPD.      | TYPE     |                     |         | STA.<br>NAME/ID |
| Common   C | 0                | 14 2 C)                      | NIN P   |           | M /  | > &                          | _ ^                         | HA MIN      |         |           | . <i>V</i> | <u> </u>   | (m/s)             | *        | (E) 7               |         | 400             |
| State   Data on   Tape/Diskette   D   File Name/Header   | SBE              | -                            | #50-20a | ]         | MIT/QL   |                              |                             |             |         | 14 2Bc    | TION       | 5          |                   | REMARK   |                     |         | <u> </u>        |
| Sale   START DOWN     1972   AT DEPTH     1972   AT SURFACE   FLUOR SIN 6237     1972   AT SURFACE   FLUOR SIN 6237     1973   AT SURFACE   AT SURFACE     1974   AT SURFACE   AT DEPTH     1975   AT SURFACE   AT DEPTH     1975   AT DEPTH     1975   AT SURFACE   AT DEPTH     1975   AT  | PRE              |                              | 98585   | DATA ON   |  |                              | <u> </u>                    | Fape/Diske  | ette ID | ₩<br>File | Name       | /Header    |                   |          |                     |         |                 |
| 19.7 Par Sin 14607. Per Sin 6237.  PRESSINE PRI TEMP SECTEMP SALINITY SALINITY CHL  PRESSINE PRI TEMP SECTEMP SALINITY SALINITY CHL    19  | <u>R</u>         |                              | $\neg$  | START DOV | W.   |                              |                             |             |         | •         |            |            | ·                 | ſ        |                     |         |                 |
| 42940   ATSURFACE   ATSURFACE   ATSURFACE   1972   PAR SIN L4663   ATSURFE BOTTLE   SAMPLE BOTTLE NUMBERSINE   PRI TEMP. SECTEMP   SALINITY   | SEC              | - 1                          |         | AT DEPTH  |  |                              |                             |             | v       |           |            |            | <u></u>           | Clear    | hed air bl          | eed val | ve              |
| PRISURE PRITEIN SECTEMP SALINITY SALINITY CHL  THESSURE PRITEIN SECTEMP SALINITY SALINITY CHL  THESTARE PRITEIN SALINITY SALINITY CHL  THESTARE PRITEIN SALINITY SALINITY CHL  THESTARE PRITEIN SALINITY SALINITY CHL  THE START NOT STORED TO D.C. C. 18  19  20  21  22  24  | <u>E</u>         |                              |         | AT SURFAC | 知  |                              |                             |             |         |           |            |            | ,_ <del>_</del> _ | MAX. DE  | PTH=                |         | Ε               |
| TRIP  PRESSURE PRI TEMP. SEC. TEMP SALINITY SAL. NUTR. CHL.  20  40  20  20  00  00  00  00  00  00  | SEC              |                              |         | PAR SI    | י ן  |                              | FLUOR 8                     | 9           | 3.7     |           |            |            |                   |          |                     |         |                 |
| 70 SALINITY SALINITY OHL 70 40 68 15 70 70 16 17 70 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | \S               |                              | 3       |           |  | ÆRTEDN                       | MONITOR V                   | ALUES       |         |           | 0,         | SAMPLE BK  | OTTLE             | SAMI     | PEBOTT              | LENUM   | BER             |
| 20<br>40<br>20<br>20<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |                  |                              | PHESS   | JRE       | PRI. TEMF  |                              | SEC. TI                     | <u>=</u> MP | SA      | LINITY    |            | SALINIT    | ≥                 | SAL.     | NUTR.               |         | WHIT'S<br>NUTR. |
| 20<br>20<br>20<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | -                | 70                           |         |           |  |                              |                             |             |         |           |            |            |                   | 89       | 15                  |         |                 |
| 20 10 10 10 10 10 10 10 10 10 10 10 10 10  | 8                | 20                           |         |           |  |                              |                             |             |         |           | -          |            | -                 |          | 9/                  |         |                 |
| 20<br>20<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | က                | 40                           |         |           |  |                              | (                           |             |         |           |            |            |                   |          | l'I                 | •       |                 |
|  | 4                | 50                           |         | ,         | 7  |                              | Tan                         | STORE       | 8       | IQ        | ) /S.K     |            |                   |          | 81                  |         |                 |
|  | 2                | 20                           |         |           | :  |                              | •                           |             |         |           |            |            |                   |          | 8                   |         |                 |
|  | 9                | 01-                          |         |           |  |                              |                             |             |         |           |            |            |                   |          | 20                  |         |                 |
|  | 7                | 0                            |         |           | ^  |                              | <del></del>                 |             |         |           |            |            |                   |          | 2                   | ,       |                 |
| 9         10         11         12   | ∞                |                              |         | :         | \<br>\<br>\<br>-**   |                              | 7                           | 74          |         |           |            | <b>3</b> 0 |                   |          |                     |         |                 |
| 11   | 6                |                              |         |           | in the second of | 2. 5<br>2. 4<br>2. 7<br>2. 7 | and the second              |             |         |           |            |            |                   |          |                     |         |                 |
| 11   | 10               |                              |         |           |  |                              |                             | :           |         |           | (i)        |            |                   |          |                     |         |                 |
| 12   | -                |                              |         |           | 1  |                              | ١.                          |             |         |           |            |            |                   |          | * 24                |         |                 |
|  | 12               |                              |         |           |  |                              |                             |             |         |           | _          |            |                   |          |                     |         |                 |

| VESSEL<br>DA/ Maurice Ewing | 5                   | A                             | 8                | PR            | PROJECT & LEG<br>EW02-05 | 15. 55. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14   | dsa      | DSDB I.D.     |                       |                          | STATIC       | N DESIG                  | STATION DESIGNATION     |          |                 |
|-----------------------------|---------------------|-------------------------------|------------------|---------------|--------------------------|--|----------|---------------|-----------------------|--------------------------|--------------|--------------------------|-------------------------|----------|-----------------|
| CONSC CAST #                | HOLE                | )<br>JONGILIDIA<br>JONGILIDIA | 9                | DATE JI       | 25) = Or                 | TIME (GMT)   | DRY      | WET           | PRESSURE<br>SEA STATE | VISIBILITY<br>S E<br>S F | WIND<br>SPD. | CLOUD (amt) TYPE WEATHER | BOTTOM                  |          | STA.<br>NAME/ID |
| 5E0                         |                     | 980                           | NW T             | 1 1 *         | 7                        | ¥ €  | © (      | <u>5</u>      | (gm)                  | (deg)                    | (m/s)        | *                        | (m)                     | Ę<br>Ę   | CR A 02         |
| OIZII 151712<br>SRF 9+      | 5171224.0151N 1151V | 51717.<br>Wes                 | 115171251712 WAS | A SIMIA<br>ME | A Y 0 Z                  | 2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>3<br>2<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3 |          | DATA COCATION | ATION                 | -                        | J            | REMARKS                  |                         |          |                 |
| Z                           | 53586 DV            | DATA ON                       |                  |               | 1                        | Tape/Diskette 1D   | cette 1D | Ĭ             | e Name                | File Name/Header         |              | Sol Loss                 | ļ                       | 0.25 M.  | Ť               |
| PRI TEMP SN                 | ľ                   | START DOWN                    | €                |               | 1                        |  |          | -  <br>       |                       |                          | <u>.</u>     |                          |                         | j        |                 |
| SEC TEMP SN                 | 1                   | AT DEPTH                      |                  |               |                          |  |          |               |                       | :                        | <br> <br>    | Cea                      | Cleaned air bleed valve | leed val | ۸e              |
| PRI COND SN                 | 1                   | AT SURFACE                    | 111              |               |                          |  |          |               |                       |                          |              | MAX. DEPTH               | =PTH =                  |          | ٤               |
| SEC COND SN                 |                     | PAR SM                        | 4403             |               | FLUOR S/N                | ٦  | 222      |               |                       |                          |              |                          |                         |          | •               |
| POS. TRIP<br>DEPTH          | 7                   |                               | ' 1              | ı∣ÿ           | RTED MONITOR VALUES      | VALUES   |          |               |                       | SAMPLE BOTTLE<br>DATA    | отпе         | SAM                      | SAMPLE BOTTLE NUMBER    | T.E.NUM  | BER             |
|                             | PRESSURE            | ų,                            | PRI. TEMP        | AP            | SEC                      | SEC. TEMP  | Š        | SALINITY      |                       | SALINITY                 | ≥            | SAL.                     | NUTR.                   | 동        | WHIT'S<br>NUTR. |
| 1 143                       |                     |                               |                  |               | \                        | 4  |          |               |                       |                          |              | 69                       | 2                       |          |                 |
| ╁                           |                     |                               |                  |               |                          |  |          |               |                       |                          |              |                          | 23                      |          |                 |
| $\vdash$                    |                     |                               |                  |               | :                        |  |          |               |                       |                          |              |                          | 24                      |          |                 |
| ├                           |                     |                               |                  |               |                          | )  |          |               |                       |                          |              |                          | 25                      | :        |                 |
|                             |                     |                               | 7.84             | 4             |                          | のでの  |          | 1 2           | $\frac{1}{8}$         |                          |              |                          | 20                      |          |                 |
|                             |                     |                               |                  |               |                          |  |          |               |                       |                          |              |                          | 27                      |          |                 |
| 1 20                        |                     |                               |                  |               |                          |  |          |               |                       |                          | Ì            |                          | 88                      |          | _               |
|                             |                     |                               |                  |               |                          |  |          |               |                       |                          |              |                          | 83                      |          |                 |
| 6                           |                     |                               |                  |               |                          |  |          |               |                       |                          |              |                          | 35                      |          |                 |
| 10                          |                     |                               |                  |               |                          | Z  |          |               | 1                     |                          |              |                          | Ñ                       |          |                 |
| 11                          |                     |                               |                  |               |                          |  | :        |               | 9                     |                          | 1 24         |                          |                         |          |                 |
| 12                          |                     |                               |                  |               |                          |  |          |               | 0                     |                          |              |                          |                         |          |                 |

|     |                             | STA.<br>NAME/ID               |           | CB A 03                       |                 | M02-0            |             | ed valve                | E           |             | SAMPLE BOTTLE NUMBER         | WHIT'S<br>CHL NUTR. |     |     |    |    |     |     |    |    |  |     |    |   |
|-----|-----------------------------|-------------------------------|-----------|-------------------------------|-----------------|------------------|-------------|-------------------------|-------------|-------------|------------------------------|---------------------|-----|-----|----|----|-----|-----|----|----|--|-----|----|---|
|     | NATION                      | ВОТТОМ<br>DEPTH               | (m)       | 0173                          | Š               | - 1              |             | Cleaned air bleed valve | :PTH =      |             | NE BOTTL                     | NUTR.               | 32  | 32  | 34 | 35 | z   | 37  | 30 | 39 | 70   | 4   | 42 |   |
|     | STATION DESIGNATION         | CLOUD (amt) TYPE WEATHER      | * * * (   |                               | REMARKS         | ON MOR           | · [         | Clear<br>Clear          | MAX. DEPTH  |             | SAMI                         | SAL.                | ØЬ  | ,   |    |    |     |     |    |    |  |     |    |   |
|     | STAT                        | WIND WIND<br>DIPN. SPD.       | (m/s)     | 1022                          |                 | ₩                | l           | 1                       |             |             | SAMPLE BOTTLE<br>DATA        | SALINITY            |     |     |    |    |     |     |    |    |  |     |    |   |
|     | ļ                           | SEA STEE<br>VISIBILITY<br>O W | (ded)     | 07                            | ~               | File Name/Header |             |                         |             |             | SAMPLE<br>D/                 | SAL                 |     |     |    |    |     |     |    |    |  |     |    |   |
|     |                             | 3HUSS3H4                      | (mb)      | 90                            | COCATION        | File Nar         |             | į                       |             |             |                              | <b>&gt;</b>         |     |     |    |    |     |     |    |    |  |     |    | - |
|     | DSDB I.D.                   | IY WET                        | (S)       |                               | DATAL           | ₽                |             |                         |             | 1           |                              | SALINITY            |     |     |    |    |     |     |    |    |  |     |    |   |
| į   |                             | IE DRY<br>T) BULB             | MIN' (°C) | 2607                          |                 | Tape/Diskette ID |             |                         |             | 9223        | တ္သ                          |                     |     |     |    |    |     |     |    |    |  |     |    |   |
|     | & LEG                       |                               | YA HA MIN | 20926                         |                 | Таре             |             | :                       |             | FLUOR S/N _ | OR VALUE                     | SEC. TEMP           |     |     |    |    |     |     |    |    | 1540   |     |    |   |
|     | PROJECT & LEG<br>EW02-05 LA | DATE JD= (48                  |           | MAYOZ                         |                 |                  |             |                         |             | ZFLU        | CTD CONVERTED MONITOR VALUES |                     |     |     |    |    |     |     |    |    | Q  | -   |    |   |
|     |                             | DATE                          | DAY       | 3w 28                         | JD/TIME         |                  |             |                         |             | 4603        | CONVER                       | PRI, TEMP.          |     |     |    |    |     |     |    |    | ST THE   |     | :  |   |
| ONO | B                           | LONGITUDE                     | MIN       | 11.66                         | J               | _                | NMC         | TT                      | ,<br>ACE    | 1           |                              | ä                   |     |     |    |    |     |     |    |    | Cou  |     |    |   |
|     | A                           | ) §                           | 980       | 15115                         | TIMES           | DATA ON          | START DOWN  | AT DEPTH                | AT SURFACE  | PAR S/N     |                              | 387888              |     |     |    |    |     |     |    |    | <b>ENTILES</b>                                   |     |    |   |
| !   | _                           | LATITUDE                      | MIN       | 2225724.13 N 1512 1. 66WZ8 MA | 93450-209 TIMES | 53586            | 646         | 29715                   | 045247      | <u>c</u> 91 |                              |                     |     |     |    |    |     |     |    |    | 183  | 314 |    |   |
|     | VESSEL<br>R/V Maurice Ewing |                               | DEG M     | 5724                          | 420             |                  | P SN        |                         |             | Į.          | TRIP<br>DEPTH                | <u> </u>            | 107 | 100 | 2  | 00 | 75  | 200 | 40 | 30 | <del>                                     </del> | 20  | 10 |   |
|     | VESSEL<br>R/V Mau           | CAST #                        |           | 022                           | SBE 9+          | PRESS SN         | PRI TEMP SN | SEC TEMP SN             | PRI COND SN | SEC COND SN | 80<br>8                      | ,                   | -   | ╁   |    |    | 100 | _   |    |    | -  | 10  | 11 |   |

| VESSEL<br>RA/ Maurice Ewing |                 | B          | PRO                          | PROJECT & LEG | G.<br>Lea 2      | DSDB I.D.   | 91.D.        |           | :   | STATIO       | N DESIG                        | STATION DESIGNATION     |         |                 |
|-----------------------------|-----------------|------------|------------------------------|---------------|------------------|-------------|--------------|-----------|---|--------------|--------------------------------|-------------------------|---------|-----------------|
| CAST # LATITIDE             |                 |            | DATE JD= 1489                |               | TIME (GMT)       | DRY<br>BULB | WET          | SEA STATE | YTIJIBISIV<br>BN W<br>ST. ST. ST. ST. ST. ST. ST. ST. ST. ST. | WIND<br>SPD. | CLOUD (amt)<br>TYPE<br>WEATHER | воттом<br>рертн         |         | STA.<br>NAME/ID |
| 8                           | 980             | NIM        | DAY MD                       | 5             | ¥<br>E           | ္မ          | <u>ရ</u>     | ; (qm)    | (deg)   | (s/ш)        | *                              | (E)                     |         | -               |
| 0235726.00NI                | 00 N 1 57 1     | 17.301     | 7.30 W 28 MA                 | Υ 0 2         | 104607           | 5           | •            | 89        | 055   | <u>00</u>    |                                | 9600                    |         | CBA4            |
| SBE 9+ 93450                | 93450-209 TIMES | /Qr        | JD/TIME                      |               |                  | <b>'</b>    | DATALOCATION | NOIT      |   |              | REMARKS                        | g                       |         |                 |
| PRESS SN 53586              | 86 DATA ON      | <br>       |                              | <u></u>       | Tape/Diskette ID | ette ID     | File         | Name      | File Name/Header  | 7.           | Ch Hox @                       | @<br>*                  | 0-3     | -30H            |
| PRI TEMP SN                 | 696 START DOWN  | NWO        |                              | 1             |                  |             |              |           |   |              |                                |                         |         |                 |
| SECTEMP SN 31460            | AT DEPTH        | Ŧ          |                              |               |                  | į           | 1            |           |   |              | Clear                          | Cleaned air bleed valve | sed val | /e              |
| PRICOND SN 42498            | AT SURFACE      | ACE        |                              |               |                  |             |              |           |   |              | MAX. DEPTH =                   | PTH =                   |         | ٤               |
| SEC COND SN                 | 197 PAR SIN     | SIN 4603   | (3                           | FLUOR S/N     |                  | 623P        | :            |           |   |              |                                |                         |         |                 |
|                             | 7               |            | CTD CONVERTED MONITOR VALUES | MONITOR V     | ALUES            |             |              | 0)        | SAMPLE BOTTLE<br>DATA   | 3E           | SAMI                           | SAMPLE BOTTLE NUMBER    | LENUM   | ЗЕЯ             |
| · · ·                       | PPESSUPE        | PRI. TEMP. | EMP.                         | SEC. TEMP     | dW.              | SA          | SALINITY     |           | SALINITY  | >-           | SAL.                           | NUTR.                   | 훔       | WHIT'S<br>NUTR. |
| - 25                        |                 |            |                              |               |                  |             |              |           |   |              | 11                             | 43                      |         |                 |
| _                           |                 |            |                              |               |                  |             |              |           |   |              |                                | 44                      |         |                 |
| <del> </del>                |                 |            |                              |               | 55               |             |              |           |   |              |                                | 45                      |         |                 |
|                             |                 |            |                              |               |                  |             |              |           |   |              |                                | 46                      |         |                 |
|                             |                 |            |                              |               |                  |             |              |           |   |              |                                | 47                      |         |                 |
| 62 S                        |                 |            |                              |               |                  |             |              |           |   |              |                                | 48                      |         |                 |
|                             |                 |            |                              |               |                  |             |              |           |   |              |                                | 49                      |         |                 |
| 8                           |                 |            |                              |               |                  |             |              |           |   |              |                                | 29                      |         |                 |
| -                           |                 |            |                              |               |                  |             |              |           |   |              |                                | ,                       |         |                 |
| 10                          |                 |            |                              |               |                  |             |              |           |   |              |                                |                         |         |                 |
| 1-                          |                 |            |                              |               |                  |             |              | +         |   |              |                                |                         |         |                 |
| 12                          |                 |            |                              |               |                  |             |              |           |   |              |                                |                         |         |                 |

| VESSEL<br>BAY Maurice Ewing | Fwino             | No.        | M          | PRO                          | PROJECT & LEG<br>EW02-05 Le | EG 7             | DSD                                     | DSDB I.D.     |                     |                        | STATIC | N DESK                       | STATION DESIGNATION     |          |                 |
|-----------------------------|-------------------|------------|------------|------------------------------|-----------------------------|------------------|---|---------------|---------------------|------------------------|--------|------------------------------|-------------------------|----------|-----------------|
| SNOO                        |                   |            | L<br>C     | A Z                          |                             | TIME             | 7 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± | WET           | BRSSURE<br>BTATS AB | YTJIBISI/<br>ONIW<br>S | QNIM   | COUD (amt)<br>PPE<br>MEATHER | BOTTOM                  |          | STA.            |
| CASI #                      | MIN               |            | NIN        | DAY MD                       | 9                           | NE<br>E          | 5                                       | $\top$        | 17                  | ١.                     | (s/m)  | \                            |                         | ╀        |                 |
| 02459                       | 12                |            | 3.19%      | ļΣ                           | E                           | 03               | 1                                       |               | 9                   | 065                    | 20     |                              | 0800                    |          | CBA 5           |
| SBE 9+                      | 93450 2009 TIMES  | TIMES      | Ωr         | JD/TIME                      |                             |                  | <b>~</b> <u>~</u> ~                     | DATA LOCATION | ATION               |                        |        | REMARKS                      | જુ                      |          |                 |
| PRESS SN                    | 53586             | DATA ON    |            |                              | ·<br>1                      | Tape/Diskette ID | ette ID                                 | File          | Name                | File Name/Header       |        | 2                            | Chi Nox @               | M-61-0   | 5. H            |
| PRI TEMP SN                 | 989               | START DOWN | ₹          |                              | <del>.</del>                |                  |   |               |                     |                        |        |                              |                         |          |                 |
| SEC TEMP SI                 | SEC TEMP SN 3/460 | AT DEPTH   |            |                              | <u>.</u>                    |                  |   |               |                     |                        |        |                              | Cleaned air bleed valve | leed val | 9.              |
| PRI COND SI                 | PRI COND SN 42490 | AT SURFACE | ш          |                              |                             |                  |   |               |                     |                        |        | MAX. D                       | MAX. DEPTH =            |          | Ε               |
| SECCONDSN                   | 197               | PAR S/N    | 1 4603     | 8                            | FLUOR SAN                   | SN 623P          | 35                                      |               |                     |                        |        |                              |                         |          |                 |
| diet.                       | F                 |            | Ⅱ          | CTD CONVERTED MONITOR VALUES | MONITOR                     | VALUES           |   |               |                     | SAMPLE BOTTLE          | TTLE   | SAN                          | SAMPLE BOTTLE NUMBER    | TENUN    | BER             |
|                             | r                 |            |            |                              |                             |                  |   |               |                     | DATA                   |        |                              |                         |          |                 |
| <u>.</u>                    | PRESSURE          | SURE       | PRI. TEMP. | JMP.                         | SEC. TEMP                   | EMP              | , V                                     | SALINITY      |                     | SALINITY               | >      | SAL.                         | NUTR                    | GH.      | WHIT'S<br>NUTR. |
| -                           |                   |            |            |                              |                             |                  |   |               |                     |                        |        | 72                           | Ŋ                       |          |                 |
| 2                           |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              | 25                      |          |                 |
|                             |                   |            |            |                              |                             | 52               |   |               |                     |                        |        |                              | 53                      |          |                 |
| 4 30                        |                   |            |            |                              |                             |                  |   |               |                     | !                      |        |                              | 54                      |          |                 |
| 5 20                        |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              | 52                      |          |                 |
| 8                           |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              | 56                      |          |                 |
| 8                           |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              | 52                      |          |                 |
| 8                           |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              |                         |          |                 |
| 6                           |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              |                         | :        |                 |
| 10                          |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              |                         |          |                 |
| 11                          |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              |                         |          |                 |
| 12                          |                   |            |            |                              |                             |                  |   |               | ń,                  |                        |        |                              |                         |          |                 |
|                             |                   |            |            |                              |                             |                  |   |               |                     |                        |        |                              |                         |          |                 |

| VESSEL      | i di              | No.        | 10         | PRC                          | PROJECT & LEG | 5.0              | gsa     | DSDB I.D. |                 |                  | STATIC | N DESI                 | STATION DESIGNATION                   |          |                 |
|-------------|-------------------|------------|------------|------------------------------|---------------|------------------|---------|-----------|-----------------|------------------|--------|------------------------|---------------------------------------|----------|-----------------|
|             |                   | 7          |            |                              |               | L L              | 2       | Į         | ∃FIU88<br>∃TAT8 |                  | CIMA   | (sms) QU(<br>3<br>FIER | Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z |          | STA             |
| CAST #      | LATITUDE          | TONG       | LONGITUDE  | DATE JD= 148                 | = 148         | (GMT)            | BUB     | BULB      |                 | ISIA             | SPD.   | CCC                    | - 1                                   |          | NAME/ID         |
| 88          |                   | 930        | MIN        | DAY                          | NO YR         | H. MIN.          | (၃)     | ္မ        | , (dm)          | (deg)            | (m/s)  | *                      | (E)                                   | -        |                 |
| 0255'       | 0255733.99NI      | 2          | 1.97       | 1211.97 W 28 M A             | A Y 0 2       | 190707           |         |           | 8               | 026              | 275    |                        | 0073                                  |          | CBB5            |
| SBE 9+ (    | 93450-2009 TIMES  | TIMES      | JDV        | JD/TIME                      |               |                  | ٥       | DŽTŽ (BC) | [SCATION        |                  |        | REMARKS                | S                                     |          |                 |
| PRESS SN    | 53580             | DATA ON    |            |                              | ı             | Tape/Diskette ID | ette ID | Ě         | e Nam           | File Name/Header |        | 3                      | Ch) Max @ 0-20 M                      | 0-50     | 2               |
| PRI TEMP SN | 069° N            | START DOWN | ¥          |                              |               |                  |         |           |                 |                  | ı      | ·                      | ABOT STREET                           |          |                 |
| SEC TEMP 5  | SEC TEMP SN 31460 | AT DEPTH   |            |                              |               |                  |         | 1         |                 |                  |        |                        | Cleaned air bleed valve               | oleed va | Ve              |
| PRICONDS    | PRICOND SN 42490  | AT SURFACE | <u>u</u>   |                              | <u> </u>      |                  |         |           |                 |                  |        | MAX. DEPTH             | EPTH =                                | i        | m               |
| SEC COOL SN | CO NS             | PAR SN     | 4603       |                              | FLUOR SAN     | S/N 623          | 23P     |           |                 |                  |        |                        |                                       |          |                 |
| POS.        | -                 |            | -          | CTD CONVERTED MONITOR VALUES | MONITOR       | VALUES           |         |           | -               | SAMPLE BOTTLE    | OTTLE  | SAIV                   | SAMPLE BOTTLE NUMBER                  | TLENUN   | 1BER            |
|             |                   |            |            |                              |               |                  |         |           |                 | DATA             | 4      |                        |                                       |          |                 |
|             | PRESSURE          | SURE       | PRI. TEMP. | EMP.                         | SEC. TEMP     | TEMP             | SA      | SALINITY  |                 | SALINITY         | ∠      | SAL.                   | NUTR.                                 | 얦        | WHIT'S<br>NUTR. |
| 1 63        | -0                |            |            |                              |               |                  |         |           |                 |                  |        | 73                     | 23                                    |          |                 |
| 2           | 8                 |            |            |                              |               |                  |         |           |                 |                  |        | -                      | દ                                     |          |                 |
|             |                   |            |            |                              |               | .7               |         |           |                 |                  |        |                        | É                                     |          |                 |
| 4 20        | *                 |            | :          |                              |               |                  |         |           |                 |                  |        |                        | ō                                     |          |                 |
| 5 30        | }                 |            |            |                              |               |                  |         |           |                 |                  |        |                        | 29                                    |          |                 |
| @1 9        |                   |            |            |                              |               |                  |         |           |                 |                  |        |                        | 63                                    | i        |                 |
| `           |                   |            |            |                              |               |                  |         |           |                 |                  |        |                        | Z                                     |          |                 |
| 80          |                   |            |            |                              | i             |                  |         | į         |                 |                  |        |                        |                                       |          |                 |
| 6           |                   |            |            |                              |               |                  |         |           |                 |                  |        |                        |                                       |          |                 |
| 10          |                   |            |            |                              |               |                  |         | ::        |                 |                  |        |                        |                                       |          |                 |
| 11          |                   |            |            |                              |               |                  |         |           | 1               |                  |        |                        |                                       |          |                 |
| 12          |                   |            |            |                              |               |                  | i       |           | 0]              |                  |        |                        |                                       |          |                 |
|             |                   |            |            |                              |               |                  |         |           |                 |                  |        |                        |                                       |          |                 |

| VESSEL.<br>R/V Maurice Ewind | 10              | B         |                              | PROJECT & LEG<br>EW02-05 LE | r&LEG<br>5 Leg 2 | 7                | OSO      | DSDB I.D. |          |  | STATIC       | ON DESI                        | STATION DESIGNATION     |          | _               |
|------------------------------|-----------------|-----------|------------------------------|-----------------------------|------------------|------------------|----------|-----------|----------|--|--------------|--------------------------------|-------------------------|----------|-----------------|
| CONSC TATITUDE               |                 | CONGITUDE | DATE                         | DATE JD= /4                 |                  | TIME<br>(GMT)    | DRY      | WET       | PRESSURE | VISIBILITY  VISIBI | WIND<br>SPD. | CLOUD (amt)<br>TYPE<br>WEATHER | ВОТТОМ<br>DEPTH         |          | STA.<br>NAME/ID |
| DBG                          | DEC             | N         |                              | 1 1                         | 1                | H WIN            | 9        | ္မ        |          |  | 3            | *                              | (m)                     |          |                 |
| 0265730.93N                  | 93 N / 5 /.     | 26.4      | 5 W 28 M A                   | >                           | 0 2 /            | 5/50             | <u>г</u> | •         | 8        | 0  | 520          |                                | 0/38                    | ٧        | 884             |
| SBE 9+ 93450                 | 93450-209 TIMES |           | JD/TIME                      |                             |                  |                  | ٥        | DĂTA (OC  | COCATION |  |              | REMARKS                        | S)                      |          | •               |
| PRESS SN 53586               | BG DATA ON      | N.        |                              |                             | <u>Т</u> а       | Tape/Diskette ID | tte ID   | 正         | e Nam    | File Name/Header   |              | Chi May                        | o ro                    | H 02-0   | I               |
| PRI TEMP SN                  | 696 START DOWN  | DOWN      |                              |                             |                  |                  |          |           |          |  | -            | ·                              |                         |          |                 |
| SECTEMP SN 31460             | 60 AT DEPTH     | Ŧ         |                              |                             |                  |                  |          |           | !        |  |              |                                | Cleaned air bleed valve | leed val | A@              |
| PRI COND SN 42490            | 490 ATSURFACE   | FACE      |                              |                             |                  |                  |          |           |          |  |              | MAX. DEPTH                     | EPTH =                  |          | ε               |
| SEC COND SN                  | 197 PAR S/N     | 1         | 4603                         | 4                           | FLUOR SAN        |                  | 6232     |           |          |  |              |                                |                         |          |                 |
| -                            | 4               | -         | CTD CONVERTED MONITOR VALUES | ED MON                      | TOR VA           | LUES             |          |           |          | SAMPLE BOTTLE  | OTTLE        | SAN                            | SAMPLE BOTTLE NUMBER    | ILE NUM  | BER             |
| DEPTH                        |                 |           |                              |                             |                  |                  |          |           |          | DATA   | ,            |                                |                         |          |                 |
| <u> </u>                     | PPESSURE        |           | PRI. TEMP.                   |                             | SEC, TEMP        | <u>£</u>         | /S       | SALINITY  |          | SALINITY   | T            | SAL.                           | NOTR.                   | 몽        | WHIT'S<br>NUTR. |
| 1.30                         |                 |           |                              |                             |                  |                  |          |           |          |  |              | 72                             | 65                      |          |                 |
| 2 125                        |                 |           | į                            |                             |                  |                  |          |           |          |  |              |                                | 90                      |          |                 |
| 3 100                        |                 | ,         |                              |                             |                  |                  |          |           |          |  |              |                                | £9                      |          |                 |
|                              |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                | 8                       |          |                 |
|                              |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                | Ś                       |          |                 |
| 940                          |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                | 35                      |          |                 |
| -                            |                 |           |                              |                             |                  |                  |          | ;         |          |  |              |                                | 2)                      |          |                 |
|                              |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                | 75                      |          |                 |
| 1                            |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                | 73                      |          |                 |
| -                            |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                | 94                      |          |                 |
|                              |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                |                         |          |                 |
| 12                           |                 |           |                              |                             |                  |                  |          |           | *        |  |              |                                |                         |          |                 |
|                              |                 |           |                              |                             |                  |                  |          |           |          |  |              |                                |                         |          |                 |

| VESSEL<br>R/V Maurice Ewing |                 | B            | 2          | PRO                          | PROJECT & LEG<br>EW02-05 Le                    | .G<br>Leg <b>2</b> | asa            | DSDB I.D.     |           |                       | STATIO       | N DESIG                  | STATION DESIGNATION     |         |                 |
|-----------------------------|-----------------|--------------|------------|------------------------------|--|--------------------|----------------|---------------|-----------|-----------------------|--------------|--------------------------|-------------------------|---------|-----------------|
| CONSC<br>CAST # LATITUDE    | 30              | TONGILIDE    |            | DATE JD=  48                 | 148  | TIME<br>(GMT)      | DRY<br>BULB    | WET           | SEA STATE | YTUBISIV<br>ON WIND   | WIND<br>GPD. | CLOUD (amt) TYPE WEATHER | BOTTOM<br>DEPTH         |         | STA.<br>NAME/ID |
| 88                          |                 | 0 <b>E</b> 0 |            | DAY M                        | ¥<br>C   | HB WIIN.           | (၃)            | ္စ            | (dm)      | (deg)                 | (m/s)        | *                        | (m)                     | -       |                 |
| 0275729.24 N                | 24 N /          | 151.36       | 30.4/      | W 28 M A                     | Y 0 2  | 17370              | 4              |               | 80        | 050                   | 207          |                          | 09                      | $\neg$  | CBB3            |
| SBE 9+ 93450                | 93450-209 TIMES | MES          | JOY        | JD/TIME                      |  |                    | Õ              | DATA LOCATION | ATION     |                       |              | REMARKS                  | Ø,                      |         | •               |
| PRESS SN <b>53586</b>       | %<br>%          | DATA ON      |            | ļ                            | <u>,                                      </u> | Tape/Diskette ID   | ette ID        | Ē             | e Name    | File Name/Header      | <u> </u>     | 5                        | HOL BACK TOH            | 0       |                 |
| PRI TEMP SN                 |                 | START DOWN   | €          |                              |  |                    |                | 1             |           | :                     |              |                          |                         |         |                 |
| SEC TEMP SN 31460           |                 | AT DEPTH     |            |                              |  |                    |                |               |           |                       |              |                          | Cleaned air bieed valve | ed valv |                 |
| PRI COND SN 42490           |                 | ATSURFACE    | 101        |                              |  |                    |                |               |           |                       |              | MAX. DEPTH               | EPTH =                  |         | ٤               |
| SEC COND SN                 | ĺ               | PAR S/N      | 4603       | 3                            | FLUOR S/N                                      |                    | 6287           |               |           |                       |              |                          |                         |         |                 |
|                             | ī               |              | l .        | CTD CONVERTED MONITOR VALUES | MONITOR  | VALUES             |                |               |           | SAMPLE BOTTLE<br>DATA | TILE         | SAM                      | SAMPLE BOTTLE NUMBER    | ENUME   | <b>#</b>        |
|                             | PRESSURE        | щ            | PRI. TEMP. | - AM-                        | SEC. TEMP                                      | EMP                | δ <sub>0</sub> | SALINITY      |           | SALINITY              | >            | SAL.                     | NUTR.                   | 명       | WHIT'S<br>NUTR. |
| 148                         |                 |              |            |                              |  |                    |                |               |           |                       |              | 25                       | 75                      |         | İ               |
|                             |                 |              |            |                              |  |                    |                |               |           |                       |              |                          | 75                      |         |                 |
|                             |                 |              |            |                              |  |                    |                |               |           |                       |              |                          | 77                      |         |                 |
| $\vdash$                    |                 |              |            |                              |  |                    |                |               |           |                       |              |                          | 3-8                     |         |                 |
| 5 50                        |                 |              |            |                              |  |                    |                |               |           |                       |              |                          | 39                      | !       |                 |
| _                           |                 |              |            |                              |  |                    | =              |               |           |                       |              |                          | 80                      |         |                 |
|                             |                 |              |            |                              |  |                    |                |               | -         |                       |              |                          | 20                      |         |                 |
| 8 20                        |                 |              |            |                              |  |                    |                |               |           |                       |              |                          | 8                       |         |                 |
| <u> </u>                    |                 |              |            |                              |  |                    |                |               |           |                       |              |                          | 83                      |         |                 |
|                             |                 |              |            |                              |  |                    |                |               |           |                       |              |                          | 8                       |         |                 |
| 11                          |                 |              |            |                              |  |                    |                |               |           |                       |              |                          |                         |         |                 |
| 12                          | ļ               |              |            |                              |  |                    |                |               |           |                       |              |                          |                         |         |                 |
|                             |                 |              |            |                              |  |                    |                |               |           |                       |              |                          |                         |         |                 |

|                                    |                 | ,            | 15,102-03                    | Ì         | 2                | -        |           |                  |                       | -        | -                             |                         | -                   |                 |
|------------------------------------|-----------------|--------------|------------------------------|-----------|------------------|----------|-----------|------------------|-----------------------|----------|-------------------------------|-------------------------|---------------------|-----------------|
|                                    |                 |              | Thu<br>Ci                    | 97        | TIME             | DRY      | WET       | SEA STATE        |                       | QNIM     | CLOUD (amt)<br>PPE<br>MENTHER | BOTTOM<br>DEPTH         |                     | STA.<br>NAME/ID |
| DEG MIN                            | 88              | MIN          | DAY MO                       | <b>y</b>  | H.               | ဉ        | T         | 1                | (deg)                 |          |                               | (E)                     | $oldsymbol{\sqcup}$ | -               |
| 0285727.52 N 1 5 1.34.4 4 W 28 M A | 52 N 1 5        | 134.44v      | V 28 M A                     | Y 0 2 )   | 1913(            | 07.5     |           | 00               | 0 36                  | 23       |                               | 5                       | <u>5</u>            | 882             |
| SBE 9+ 93450                       | 93450-249 TIMES | _            | JD/TIME                      |           |                  | â        | DXTA 1.0c | LOCATION         |                       | <u> </u> | REMARKS                       | m                       |                     |                 |
| PRESS SN 53586                     | SE DATA ON      | NO           |                              |           | Tape/Diskette ID | ette ID  | Ę         | File Name/Header | /Header               | <u>\</u> | Chl K                         | Chi Hase                | Mal                 |                 |
| PRI TEMP SN                        |                 | START DOWN   | :                            |           |                  |          | 1         |                  |                       |          | ]                             |                         |                     | ļ               |
| SECTEMP SN 31460                   | 466 AT DEPTH    | HIA.         |                              |           |                  |          |           |                  |                       |          | Clean                         | Cleaned air bleed valve | eed valv            | •               |
| PRICOND SN 42456                   | 1               | AT SURFACE   |                              | \         |                  |          |           |                  |                       | _        | MAX. DEPTH                    | PTH =                   |                     | Ε               |
| SEC COND SN                        |                 | PAR SIN 4603 | 53                           | FLUOR S/N | SN 623F          | <b>б</b> |           |                  |                       |          |                               |                         |                     |                 |
|                                    | <u>-</u>   -    |              | CTD CONVERTED MONITOR VALUES | ONITOR    | /ALUES           |          | :         | 0)               | SAMPLE BOTTLE<br>DATA | TTE      | SAMF                          | SAMPLE BOTTLE NUMBER    | LENUME              | 6               |
|                                    | 300 GG          | PBITEMP      | dVi-                         | SEC. TEMP | dWE              | AS.      | SALINITY  |                  | SALINITY              | >        | SAL.                          | ₹<br>1                  | 윰                   | WHIT'S<br>NUTR. |
| 102                                |                 |              |                              |           |                  |          |           |                  |                       |          | 36                            | 80                      | ×                   |                 |
| 2 75                               |                 |              |                              |           |                  |          |           |                  |                       |          |                               | -                       | 98                  |                 |
|                                    |                 |              |                              |           |                  |          |           |                  |                       |          |                               | 8                       | 150                 |                 |
| Ľ                                  |                 |              |                              |           |                  |          |           |                  |                       |          |                               | (S _0)                  | <b>8</b> 5          |                 |
|                                    |                 |              |                              |           |                  |          |           | -                |                       |          |                               | ~                       | S.                  |                 |
|                                    |                 |              |                              |           |                  |          |           |                  |                       |          |                               | δ                       | Qb                  |                 |
|                                    |                 |              |                              |           |                  |          | ļ         |                  |                       |          |                               | <b>7</b> 75             | 75                  |                 |
| 8                                  |                 |              |                              |           |                  |          |           |                  |                       |          |                               | 8                       | 25                  |                 |
| 6                                  |                 |              |                              |           |                  | į        |           |                  |                       |          |                               | ,                       |                     |                 |
| 10                                 |                 |              |                              |           |                  |          |           |                  |                       |          | $\dashv$                      |                         |                     |                 |
| 11                                 |                 |              |                              |           |                  |          |           |                  |                       |          |                               |                         |                     |                 |
| 12                                 |                 |              | i                            |           |                  |          |           | 93               |                       |          |                               |                         |                     | 7               |

| VESSEL.<br>R/V Maurice Ewing | Œ                       |            | PROJECT<br>EW02-05           | % LE      | G<br>Leg 7       | DSDB 1.D.         | B 1.D.       |           |  | STATIC       | N DESIC                        | STATION DESIGNATION     |          |                 |
|------------------------------|-------------------------|------------|------------------------------|-----------|------------------|-------------------|--------------|-----------|--|--------------|--------------------------------|-------------------------|----------|-----------------|
| CONSC<br>CAST # LATITUDE     | FONG                    | LONGITUDE  | 8411 =ac =tag                |           | TIME<br>(GMT)    | DRY<br>BULB       | WET          | SEA STATE | YTIJIBISIV<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S | WIND<br>SPD. | CLOUD (amt)<br>PAYT<br>MEATHER | ВОТТОМ<br>DEPTH         |          | STA.<br>NAME/ID |
| 88                           | 980                     |            | DAY MO                       |           | HB MIN.          | (C <sub>0</sub> ) | <u>(</u> )   | • (dm)    | (ded)  | (m/s)        | *                              | (m)                     |          |                 |
| 0295725.96N                  | 1 2                     | 39.139 W   | 39 W28MA                     | Y 0 2 2   | 2025             | 7.4               | •            | 85        | 033  | 23           | <u> </u>                       | 79                      | U        | BBI             |
| SBE 9+ 93450-2009 TIMES      | TIMES                   | JD/TIME    | ME                           |           |                  | ° 🙃               | DATALOCATION | ATION     |  |              | REMARKS                        |                         |          |                 |
| PRESS SN 63586               | DATA ON                 |            |                              | <u> </u>  | Tape/Diskette 1D | ette ID           | File         | Name      | File Name/Header   | ·            | S. 24 0                        | , 0 h                   | <b>\</b> |                 |
| PRITEMPSIN 696               | START DOWN              | ¥          |                              |           |                  |                   | <b>!</b>     |           |  |              |                                |                         | ļ        |                 |
| SEC TEMP SN 31460            | AT DEPTH                |            |                              |           |                  |                   |              |           |  |              |                                | Cleaned air bleed valve | eed valv | 70              |
| PRICOND SN 42490             | AT SURFACE              |            |                              |           |                  |                   |              |           |  |              | MAX. DEPTH                     | EPTH =                  | 25       | E               |
| SEC COND SN 192              | $\overline{}$           | 4603       |                              | FLUOR SAN | 1                | 623P              |              |           |  |              |                                |                         |          |                 |
|                              |                         | -          | CTD CONVERTED MONITOR VALUES | ONITOR V. | ALUES            |                   |              |           | SAMPLE BOTTLE<br>DATA  | тте          | SAM                            | SAMPLE BOTTLE NUMBER    | LENUM    | 3ER             |
| 86                           | PRESSURE                | PRI. TEMP. | MP.                          | SEC. TEMP | - AMP            | SA                | SALINITY     |           | SALINITY   | >            | SAL.                           | NUTR.                   | 吊        | WHIT'S<br>NUTR. |
| - 25                         |                         |            |                              |           |                  |                   |              |           |  |              | 23                             | 93                      |          |                 |
| 1                            |                         |            |                              |           |                  |                   |              |           |  |              |                                | 吉                       |          |                 |
| 40,                          | whe reduced before chis | CAKI       |                              |           |                  |                   |              |           |  |              |                                | 95                      |          |                 |
| 30                           |                         |            |                              |           |                  |                   |              |           | 8  |              |                                | 96                      |          |                 |
| 5 20 riedey totte            | offic                   |            |                              |           |                  |                   |              |           |  |              |                                | 45                      |          |                 |
| 9                            |                         |            |                              |           |                  |                   |              |           |  |              |                                | 98                      |          |                 |
| 7                            |                         |            |                              |           |                  |                   |              |           | :  |              |                                | 99                      |          |                 |
| 8                            |                         |            | <u></u>                      |           |                  |                   |              |           | :  |              |                                |                         |          |                 |
| 6                            |                         |            |                              |           |                  |                   |              |           |  |              |                                |                         |          |                 |
| 10                           |                         |            |                              |           |                  |                   | :            |           |  |              | I                              |                         |          |                 |
| 11                           |                         |            |                              |           |                  |                   |              | 1         |  |              |                                |                         |          |                 |
| 12                           |                         |            | _                            |           |                  |                   |              | ¥2;       |  |              |                                |                         |          |                 |