

Translation table for parameter names, flags and units.

| Data Product<br>Parameter<br>Name | Data<br>Product<br>Flag<br>Name | Exchange File<br>Parameter Name<br>or<br>Full name of Parameter | Exchange File<br>Flag Name | Units           |
|-----------------------------------|---------------------------------|---|----------------------------|-----------------|
| station                           |                                 | STANBR  |                            |                 |
| nosamp                            |                                 | Number of samples at<br>each station                            |                            | integer         |
| day                               |                                 | DATE  |                            |                 |
| month                             |                                 | DATE  |                            |                 |
| year                              |                                 | DATE  |                            |                 |
| latitude                          |                                 | LATITUDE  |                            | decimal degrees |
| longitude                         |                                 | LONGITUDE   |                            | decimal degrees |
| maxdepth                          |                                 | DEPTH   |                            | meters          |
| maxsampdepth                      |                                 | Pressure of the deepest<br>sample at each station               |                            | decibar         |
| cruisenr                          |                                 | CARINA assigned<br>sequential number                            |                            |                 |
| bottle                            | bf                              | BTLNBR  | BTLNBR_FLAG_W              |                 |
| cast                              |                                 | CASTNO  |                            |                 |
| depth                             |                                 | Calculated sample depth   |                            | meters          |
| temperature                       |                                 | CTDTMP  |                            | °C              |
| salinity                          | sf                              | SALNTY  | SALNTY_FLAG_W              |                 |
| ctdsal                            | ctdsf                           | CTDSAL  | CTDSAL_FLAG_W              |                 |
| pressure                          |                                 | CTDPRS  |                            | decibars        |

|           |          |        |               |                            |
|-----------|----------|--------|---------------|----------------------------|
| oxygen    | of       | OXYGEN | OXYGEN_FLAG_W | micromole kg <sup>-1</sup> |
| nitrate   | no3f     | NITRAT | NITRAT_FLAG_W | micromole kg <sup>-1</sup> |
| nitrite   | no2f     | NITRIT | NITRIT_FLAG_W | micromole kg <sup>-1</sup> |
| silicate  | sif      | SILCAT | SILCAT_FLAG_W | micromole kg <sup>-1</sup> |
| phosphate | po4f     | PHSPHT | PHSPHT_FLAG_W | micromole kg <sup>-1</sup> |
| tco2      | tco2f    | TCARBN | TCARBN_FLAG_W | micromole kg <sup>-1</sup> |
| alk       | alkf     | ALKALI | ALKALI_FLAG_W | micromole kg <sup>-1</sup> |
| phsws25   | phsws25f | PH_SWS | PH_SWS_FLAG_W |                            |
|           |          | PH_TMP |               |                            |
| cfc11     | cfc11f   | CFC-11 | CFC-11_FLAG_W | picomole kg <sup>-1</sup>  |
| cfc12     | cfc12f   | CFC-12 | CFC-12_FLAG_W | picomole kg <sup>-1</sup>  |
| cfc113    | cfc113f  | CFC113 | CFC113_FLAG_W | picomole kg <sup>-1</sup>  |
| ccl4      | ccl4f    | CCL4   | CCL4_FLAG_W   | picomole kg <sup>-1</sup>  |
| sf6       | sf6f     | SF6    | SF6_FLAG_W    | femtomole kg <sup>-1</sup> |
| c14       | c14f     | DELC14 | DELC14_FLAG_W | ‰                          |
| c13       | c13f     | DELC13 | DELC13_FLAG_W | ‰                          |
| h3        | h3f      | TRITUM | TRITUM_FLAG_W | TU                         |
| he3       | he3f     | DELHE3 | DELHE3_FLAG_W | %                          |
| he        | hef      | HELIUM | HELIUM_FLAG_W | nanomole kg <sup>-1</sup>  |
| c14e      |          | C14ERR |               | ‰                          |
| h3e       |          | TRITER |               | TU                         |
| he3e      |          | DELHER |               | %                          |
| hee       |          | HELIER |               | nanomole kg <sup>-1</sup>  |

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Calculated Values Included in the Data Products

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These Parameters are not listed in standard Exchange Format Files

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| Data Product | Data    | Full name of Parameter               | Units                      |
|--------------|---------|--------------------------------------|----------------------------|
| Parameter    | Product |                                      |                            |
| Name         | Flag    |                                      |                            |
|              | Name    |                                      |                            |
| pf11         |         | CFC-11 Partial Pressure              | ppt                        |
| pf12         |         | CFC-12 Partial Pressure              | ppt                        |
| pf113        |         | CFC113 Partial Pressure              | ppt                        |
| pccl4        |         | CCL4 Partial Pressure                | ppt                        |
| psf6         |         | CFC113 Partial Pressure              | ppt                        |
| aou          | aouf    | Apparent Oxygen Utilization          | micromole kg <sup>-1</sup> |
| theta        |         | Potential Temperature                | °C                         |
| sigma0       |         | Potential Density relative to 0dB    | kg m <sup>-3</sup>         |
| sigma1       |         | Potential Density relative to 1000dB | kg m <sup>-3</sup>         |
| sigma2       |         | Potential Density relative to 2000dB | kg m <sup>-3</sup>         |
| sigma3       |         | Potential Density relative to 3000dB | kg m <sup>-3</sup>         |
| sigma4       |         | Potential Density relative to 4000dB | kg m <sup>-3</sup>         |

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