

Observations and Measurements

Field Names List

Parameter	Description	Units
station_std	standard station numbers (as opposed to consecutive station numbers)	number
cast	CTD cast number	number
lat_start	latitude at the start of the cast	decimal degrees; negative = South of Equator
lon_start	longitude at the start of the cast	decimal degrees; negative = West of Greenwich
day_gmt	day of the month in Greenwich Mean Time (a.k.a.UTC)	two digit day
month_gmt	month of the year in Greenwich Mean Time (a.k.a.UTC)	two digit month
year	year	four digit year
time_start_gmt	time at the start of the cast: "NMEA UTC (Time)"	HH:MM:SS
ISO_DateTime_UTC	ISO 8601 standard date and time	ISO format
press	water pressure at the point of data collection; can be considered depth within certain conditions	decibars
depth_w	water depth at the data collection point	meters
temp	water temperature [ITS-90] from primary sensor	degrees C
temp_2	water temperature [ITS-90] from secondary sensor	degrees C
temp_diff	temperature difference; secondary sensor - primary sensor	degrees C
cond	conductivity from primary sensor	milliSiemens per centimeter [mS/cm] milliSiemens per

Parameter	Description	Units
cond_2	conductivity from secondary sensor	centimeter [mS/cm]
O2_um_Kg	dissolved oxygen from primary CTD sensor	micromoles per Kilogram
O2_ml_L	dissolved oxygen from primary CTD sensor	milliliters per Liter
O2_um_Kg_2	dissolved oxygen from secondary CTD sensor	micromoles per Kilogram
O2_ml_L_2	dissolved oxygen from secondary CTD sensor	milliliters per Liter
fluor	fluorescence	milligrams per cubic meter
lat	latitude	decimal degrees; negative = South
lon	longitude	decimal degrees; negative = West
sal_diff	practical salinity difference; secondary sensor - primary sensor	PSU
cond_diff	conductivity difference; secondary sensor - primary sensor	milliSiemens per centimeter [mS/cm]
sigma_t	water density from primary sensors	kilograms per cubic meter - 1000
density_2	water density from secondary sensors	kilograms per cubic meter
potemp	Potential Temperature [ITS-90] from primary sensors	degrees C
potemp_2	Potential Temperature [ITS-90] from secondary sensors	degrees C
sound_vel	sound velocity [using Chen-Millero equation]	meters per second
sal	salinity from primary sensor	practical salinity units (PSU)
sal_2	salinity from secondary sensor	practical salinity units (PSU)