METADATO GLIDER NC

Source:

ifm03_depl09_glider_gridded.nc

Format:

classic

Global Attributes:

Conventions = 'CF-1.6, OceanSites Manual-1.3, EGO glider users manual 1.3, ACDD-1.3'

netcdf_version = '3.5'

GEOMAR_netcdf_version = '6'

GEOMAR_po_svn_global_revision_when_writing = 470

Conventions_comment = 'this file is not strict according to OceanSites, EGO, or ACDD'

Metadata_Conventions = 'Unidata Dataset Discovery v1.0'

format_version = '1.3'

standard_name_vocabulary = 'CF-1.6, v19'

featureType = 'trajectory'

cdm_data_type = 'Trajectory'

coverage_content_type = 'physicalMeasurement'

nodc_template_version = 'NODC_NetCDF_TrajectoryProfile_Orthogonal_Template_v1.0'

title = 'Netcdf file created from GEOMAR processed glider data. Based on data from file ifm03_depl09_final_gridded.mat . Glider deployment ID : ifm03_depl09 start: 2013-01-27 area: Peru'

summary = 'void'

platform = 'void'

instrument = 'void'

uuid = 'bf1d7776-7636-432e-afbb-d76e4eed8d6c'

sea_name = 'South Pacific Ocean'

id = 'GERMANY_GEOMAR_FB1_PO_GLIDERDEPLOYMENT_VERTICAL_GRIDDED_IFM03_DEPL09_2018-02-19T15:09:23Z'

naming_authority = 'GEOMAR, de.geomar'

time_coverage_start = '2013-01-27T18:06:49Z'

time_coverage_end = '2013-02-28T19:21:24Z'

time_coverage_resolution = 'void'

time_coverage_units = 'void'

geospatial_vertical_min = 0

geospatial_vertical_max = 458

geospatial_vertical_units = 'dbar'

geospatial_vertical_resolution = 'void'

geospatial_vertical_positive = 'down'

institution = 'GEOMAR: Helmholtz Centre for Marine Research Kiel (GEOMAR)'

principal_investigator = 'void'

principal_investigator_url = 'void'

principal_investigator_email = 'void'

creator_name = 'see contributor_name attribute'

creator_url = 'void'

creator_email = 'see contributor_email attribute'

project = 'SFB754'

processing_level = 'void'

references = 'void'

keywords_vocabulary = 'void'

keywords = 'void'

acknowledgment = 'void'

contributor_name = 'Marcus Dengler ,
Gerd Krahmann ,
Gerd Krahmann ,
Gerd Krahmann ,
Gerd Krahmann ,'

contributor_role = 'Principal Investigator for the Deployment ,

Responsible Scientist ,

Deploying Person ,

Publisher ,

GEOMAR FB1 PO data manager converting to NetCDF ,'

contributor_email = 'mdengler@geomar.de ,

gkrahmann@geomar.de ,

gkrahmann@geomar.de ,

gkrahmann@geomar.de ,

gkrahmann@geomar.de ,'

date_created = '2018-02-19T15:09:22Z'

date_modified = '2018-02-19T15:09:22Z'

date_update = '2018-02-19T15:09:22Z'

update_interval = 'void'

publisher_name = 'see contributor_name attribute'

publisher_email = 'see contributor_email attribute'

publisher_url = 'void'

history = '2018-02-19T15:09:23Z : initial saving of data in NetCDF format'

license = 'CC-BY , see also http://www.pangaea.de and http://www.geomar.de'

metadata_link = 'void'

data_type = 'OceanSITES profile-series data'

institution_references = 'http://www.geomar.de'

wmo_platform_code = 'void'

ices_platform_code = 'void'

data_mode = 'D'

data_mode_list = 'R:real-time data

P:provisional data (this means RAW data)

D:delayed-mode data (this means calibrated FINAL data)

M:mixture of the above'

geospatial_lat_min = -12.6851

geospatial_lat_max = -12.3047

geospatial_lat_units = 'degrees_north'

geospatial_lon_min = -77.8315

geospatial_lon_max = -77.2704

geospatial_lon_units = 'degrees_east'

observatory = 'void'

sdn_edmo_code = '2947'

responsible_scientist = 'see contributor_name attribute'

deployment_code = 'ifm03_depl09'

platform_code = 'void'

instrument_type = 'Teledyne Webb Research Slocum G1 deep with Rockland Scientific Microrider'

instrument_serial_number = '68'

deployment_cruise_identifier = 'met_092_1'

deployment_cruise_leg = '1'

deployment_ship_name = 'Meteor III'

deployment_cruise_expocode = '06M320130105'

recovery_cruise_expocode = '06M320130207'

recovery_cruise_identifier = 'met_093_1'

recovery_cruise_leg = '1'

recovery_ship_name = 'Meteor III'

Dimensions:

PRES = 459

PROFILE_INDEX = 1752

Variables:

PROFILE_INDEX

Size: 1752x1

Dimensions: PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'Profile counter. If available the same as the internal profile number otherwise a simple counter.'

standard_name = 'profile'

units = '1'

valid_min = 1

valid_max = 1752

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

PROFILE_INDEX_QC

Size: 1752x1

Dimensions: PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for PROFILE_INDEX'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

PRES

Size: 459x1

Dimensions: PRES

Datatype: double

Attributes:

long_name = 'pressure'

standard_name = 'sea_water_pressure'

units = 'dbar'

valid_min = 0

valid_max = 458

axis = 'Z'

positive = 'down'

PRES_QC

Size: 459x1

Dimensions: PRES

Datatype: int8

Attributes:

long_name = 'quality flag for PRES'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

LATITUDE

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'latitude'

standard_name = 'latitude'

units = 'degrees_north'

valid_min = -12.6851

valid_max = -12.3047

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

LATITUDE_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for LATITUDE'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

LONGITUDE

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'longitude'

standard_name = 'longitude'

units = 'degrees_east'

valid_min = -77.8315

valid_max = -77.2704

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

LONGITUDE_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for LONGITUDE'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

TEMP

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'in situ temperature'

standard_name = 'sea_water_temperature'

units = 'degC'

valid_min = 7.93

valid_max = 23.3316

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

comment = 'This data is ITS-90.'

TEMP_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for TEMP'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

PSAL

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'salinity PSS-78'

standard_name = 'sea_water_salinity'

units = '1e-3'

valid_min = 34.3616

valid_max = 36.9991

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

PSAL_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for PSAL'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

DOX2

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'dissolved oxygen'

standard_name = 'moles_of_oxygen_per_unit_mass_in_sea_water'

units = 'umol kg-1'

valid_min = -53.9051

valid_max = 385.0909

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

DOX2_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for DOX2'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

TURB

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'Turbidity expressed in NTU is the proportion of white light scattered back to a transceiver by the particulate load in a body of water, represented on an arbitrary scale referenced against measurements made in the laboratory on aqueous suspensions of formazine beads.'

standard_name = 'sea_water_turbidity'

units = 'NTU'

valid_min = -0.00010332

valid_max = 0.0074823

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

TURB_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for TURB'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

FLU2

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'ex/em 470/695 nm converted to 1e-6g/l Chlorophyll-a concentration'

standard_name = 'mass_concentration_of_chlorophyll_a_in_sea_water'

units = '1e-6 g l-1'

valid_min = -0.32073

valid_max = 29.4264

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

FLU2_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for FLU2'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

CDOM

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'ex/em 370/460 nm converted to 1e-6g/l Colored Dissolved Organic Matter content'

standard_name = 'mass_concentration_of_colored_dissolved_organic_matter_in_sea_water'

units = '1e-6 g l-1'

valid_min = -16.7839

valid_max = 18.4766

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

CDOM_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for CDOM'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'

TIME

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: double

Attributes:

long_name = 'time'

units = 'days since 1950-01-01 00:00:00 UTC'

calendar = 'gregorian'

comment = 'add 712224.0 to time to get Matlab datenum equivalent'

valid_min = 23037.7547

valid_max = 23069.8065

add_offset = 0

scale_factor = 1

_FillValue = -98765

missing_value = -98765

TIME_QC

Size: 459x1752

Dimensions: PRES,PROFILE_INDEX

Datatype: int8

Attributes:

long_name = 'quality flag for TIME'

flag_values = '0, 1, 2, 3, 4, 5, 6, 7, 8, 9'

flag_meanings = '0:unknown

1:good_data

2:probably_good_data

3:potentially_correctable_bad_data

4:bad_data

5:not_used

6:not_used

7:nominal_value

8:interpolated_value

9:missing_value'