

# | Integrated Ocean Observing System

## (<http://ioos.noaa.gov/>)

# IOOS Comp Check Report

For dataset `sal092022_gfso_doper_2022092400_diag.nc`

[Download Report \(/api/download?id=e1e6e1274fe4b18f77779ae154e692e52a5198a\)](#)

`acdd:1.1` ([http://wiki.esipfed.org/index.php?title=Category:Attribute\\_Conventions\\_Dataset\\_Discovery](http://wiki.esipfed.org/index.php?title=Category:Attribute_Conventions_Dataset_Discovery))

### Corrective Actions

#### Highly Recommended | 28

Name	Reasoning
<i>Global Attributes</i>	title not present
<i>Global Attributes</i>	keywords not present
<i>Global Attributes</i>	summary not present
<i>variable "200DVRG" missing the following attributes:</i>	standard_name
<i>variable "850TANG" missing the following attributes:</i>	standard_name
<i>variable "850VORT" missing the following attributes:</i>	standard_name
<i>variable "LAND" missing the following attributes:</i>	standard_name
<i>variable "LAT" missing the following attributes:</i>	standard_name
<i>variable "LON" missing the following attributes:</i>	standard_name
<i>variable "MAXWIND" missing the following attributes:</i>	standard_name

<b>Name</b>	<b>Reasoning</b>
<i>variable "MIN_SLP" missing the following attributes:</i>	standard_name
<i>variable "OHC" missing the following attributes:</i>	standard_name
<i>variable "P_SURF" missing the following attributes:</i>	standard_name
<i>variable "R" missing the following attributes:</i>	standard_name
<i>variable "RMW" missing the following attributes:</i>	standard_name
<i>variable "R_SURF" missing the following attributes:</i>	standard_name
<i>variable "SHR_HDG" missing the following attributes:</i>	standard_name
<i>variable "SHR_MAG" missing the following attributes:</i>	standard_name
<i>variable "SST" missing the following attributes:</i>	standard_name
<i>variable "STM_HDG" missing the following attributes:</i>	standard_name
<i>variable "STM_SPD" missing the following attributes:</i>	standard_name
<i>variable "T" missing the following attributes:</i>	standard_name
<i>variable "TGRD" missing the following attributes:</i>	standard_name
<i>variable "TPW" missing the following attributes:</i>	standard_name
<i>variable "T_SURF" missing the following attributes:</i>	standard_name
<i>variable "U" missing the following attributes:</i>	standard_name
<i>variable "U_SURF" missing the following attributes:</i>	standard_name
<i>variable "V" missing the following attributes:</i>	standard_name

Name	Reasoning
<i>variable "V_SURF" missing the following attributes:</i>	standard_name

<i>variable "Z" missing the following attributes:</i>	standard_name
---	---------------

## Recommended | 3

Name	Reasoning
<i>Global Attributes</i>	acknowledgment/acknowledgement not present
<i>Global Attributes</i>	id not present
<i>Global Attributes</i>	naming_authority not present
<i>Global Attributes</i>	history not present
<i>Global Attributes</i>	comment not present
<i>Global Attributes</i>	date_created not present
<i>Global Attributes</i>	creator_name not present
<i>Global Attributes</i>	creator_url not present
<i>Global Attributes</i>	creator_email not present
<i>Global Attributes</i>	institution not present
<i>Global Attributes</i>	project not present
<i>Global Attributes</i>	processing_level not present
<i>Global Attributes</i>	geospatial_bounds not present
<i>Global Attributes</i>	geospatial_lat_min not present
<i>Global Attributes</i>	geospatial_lat_max not present
<i>Global Attributes</i>	geospatial_lon_min not present
<i>Global Attributes</i>	geospatial_lon_max not present
<i>Global Attributes</i>	geospatial_vertical_min not present
<i>Global Attributes</i>	geospatial_vertical_max not present
<i>Global Attributes</i>	time_coverage_start not present
<i>Global Attributes</i>	time_coverage_end not present
<i>Global Attributes</i>	time_coverage_duration not present
<i>Global Attributes</i>	time_coverage_resolution not present

<b>Name</b>	<b>Reasoning</b>
<i>Global Attributes</i>	standard_name_vocabulary not present
<i>Global Attributes</i>	license not present
<i>Global Attributes</i>	keywords_vocabulary not present
<i>geospatial_lat_extents_match</i>	geospatial_lat_min/max attribute not found, CF-1.6 spec chapter 4.1
<i>geospatial_lon_extents_match</i>	geospatial_lon_min/max attribute not found, CF-1.6 spec chapter 4.1

## Suggested | 1

<b>Name</b>	<b>Reasoning</b>
<i>Global Attributes</i>	contributor_name not present
<i>Global Attributes</i>	contributor_role not present
<i>Global Attributes</i>	date_modified not present
<i>Global Attributes</i>	date_issued not present
<i>Global Attributes</i>	geospatial_lat_units not present
<i>Global Attributes</i>	geospatial_lat_resolution not present
<i>Global Attributes</i>	geospatial_lon_units not present
<i>Global Attributes</i>	geospatial_lon_resolution not present
<i>Global Attributes</i>	geospatial_vertical_units not present
<i>Global Attributes</i>	geospatial_vertical_resolution not present
<i>Global Attributes</i>	publisher_name not present
<i>Global Attributes</i>	publisher_url not present
<i>Global Attributes</i>	publisher_email not present
<i>Global Attributes</i>	geospatial_vertical_positive not present

```

netcdf uploaded-file {
dimensions:
    time = 22 ;
    pressure = 11 ;
variables:
    string storm_id ;
    string model ;
    string init_time ;
        init_time:long_name = "Initialization Time" ;
        init_time:units = "YYYYMMDD_HHMMSS" ;
        init_time:standard_name = "init_time" ;
    string init_time_ut ;
        init_time_ut:long_name = "Init Time" ;
        init_time_ut:units = "unixtime" ;
        init_time_ut:standard_name = "init_time" ;
    string valid_time(time) ;
        valid_time:long_name = "Valid Time" ;
        valid_time:units = "YYYYMMDD_HHMMSS" ;
        valid_time:standard_name = "valid_time" ;
    string valid_time_ut(time) ;
        valid_time_ut:long_name = "Valid Time" ;
        valid_time_ut:units = "unixtime" ;
        valid_time_ut:standard_name = "valid_time" ;
    string lead_time(time) ;
        lead_time:long_name = "Lead Time" ;
        lead_time:units = "HHMMSS" ;
        lead_time:standard_name = "lead_time" ;
    int lead_time_sec(time) ;
        lead_time_sec:long_name = "Lead Time" ;
        lead_time_sec:units = "seconds" ;
        lead_time_sec:standard_name = "lead_time" ;
    int parent_domain ;
        parent_domain:n_range = 150 ;
        parent_domain:n_azimuth = 8 ;
        parent_domain:delta_range_km = 10. ;
    double LAT(time) ;
        LAT:long_name = "Latitude" ;
        LAT:units = "DEG" ;
        LAT:domain = "parent" ;
        LAT:_FillValue = 9999. ;
    double LON(time) ;
        LON:long_name = "Longitude" ;
        LON:units = "DEG" ;
        LON:domain = "parent" ;
        LON:_FillValue = 9999. ;
    double MAXWIND(time) ;
        MAXWIND:long_name = "Maximum Wind Speed" ;
        MAXWIND:units = "KT" ;
        MAXWIND:domain = "parent" ;
        MAXWIND:_FillValue = 9999. ;
    double RMW(time) ;
        RMW:long_name = "Radius of Maximum Winds" ;
        RMW:units = "KM" ;
        RMW:domain = "parent" ;
        RMW:_FillValue = 9999. ;
    double MIN_SLP(time) ;
        MIN_SLP:long_name = "Minimum Sea Level Pressure" ;

```

```
    MIN_SLP:units = "MB" ;
    MIN_SLP:domain = "parent" ;
    MIN_SLP:_FillValue = 9999. ;
double SHR_MAG(time) ;
    SHR_MAG:long_name = "Shear Magnitude" ;
    SHR_MAG:units = "KT" ;
    SHR_MAG:domain = "parent" ;
    SHR_MAG:_FillValue = 9999. ;
double SHR_HDG(time) ;
    SHR_HDG:long_name = "Shear Heading" ;
    SHR_HDG:units = "DEG" ;
    SHR_HDG:domain = "parent" ;
    SHR_HDG:_FillValue = 9999. ;
double STM_SPD(time) ;
    STM_SPD:long_name = "Storm Translation Speed" ;
    STM_SPD:units = "KT" ;
    STM_SPD:domain = "parent" ;
    STM_SPD:_FillValue = 9999. ;
double STM_HDG(time) ;
    STM_HDG:long_name = "Storm Heading" ;
    STM_HDG:units = "DEG" ;
    STM_HDG:domain = "parent" ;
    STM_HDG:_FillValue = 9999. ;
double SST(time) ;
    SST:long_name = "Sea Surface Temperature" ;
    SST:units = "10C" ;
    SST:domain = "parent" ;
    SST:_FillValue = 9999. ;
double OHC(time) ;
    OHC:long_name = "Ocean Heat Content" ;
    OHC:units = "KJ/CM2" ;
    OHC:domain = "parent" ;
    OHC:_FillValue = 9999. ;
double TPW(time) ;
    TPW:long_name = "Total Precipitable Water" ;
    TPW:units = "MM" ;
    TPW:domain = "parent" ;
    TPW:_FillValue = 9999. ;
double LAND(time) ;
    LAND:long_name = "Distance to Land" ;
    LAND:units = "KM" ;
    LAND:domain = "parent" ;
    LAND:_FillValue = 9999. ;
double \850TANG(time) ;
    \850TANG:long_name = "850 MB Tangential Wind" ;
    \850TANG:units = "10M/S" ;
    \850TANG:domain = "parent" ;
    \850TANG:_FillValue = 9999. ;
double \850VORT(time) ;
    \850VORT:long_name = "850 MB Vorticity" ;
    \850VORT:units = "NA" ;
    \850VORT:domain = "parent" ;
    \850VORT:_FillValue = 9999. ;
double \200DVRG(time) ;
    \200DVRG:long_name = "200 MB Divergence" ;
    \200DVRG:units = "NA" ;
    \200DVRG:domain = "parent" ;
    \200DVRG:_FillValue = 9999. ;
```

```

double T_SURF(time) ;
    T_SURF:long_name = "Surface Temperature" ;
    T_SURF:units = "10C" ;
    T_SURF:domain = "parent" ;
    T_SURF:_FillValue = 9999. ;
double R_SURF(time) ;
    R_SURF:long_name = "Surface Humidity" ;
    R_SURF:units = "%" ;
    R_SURF:domain = "parent" ;
    R_SURF:_FillValue = 9999. ;
double P_SURF(time) ;
    P_SURF:long_name = "Surface Pressure" ;
    P_SURF:units = "MB" ;
    P_SURF:domain = "parent" ;
    P_SURF:_FillValue = 9999. ;
double U_SURF(time) ;
    U_SURF:long_name = "Surface U-Component of Wind" ;
    U_SURF:units = "10KT" ;
    U_SURF:domain = "parent" ;
    U_SURF:_FillValue = 9999. ;
double V_SURF(time) ;
    V_SURF:long_name = "Surface V-Component of Wind" ;
    V_SURF:units = "10KT" ;
    V_SURF:domain = "parent" ;
    V_SURF:_FillValue = 9999. ;
double pressure(pressure) ;
    pressure:long_name = "pressure" ;
    pressure:units = "millibars" ;
    pressure:standard_name = "pressure" ;
    pressure:_FillValue = -9999. ;
double T(time, pressure) ;
    T:long_name = "Temperature" ;
    T:units = "10C" ;
    T:domain = "parent" ;
    T:_FillValue = 9999. ;
double R(time, pressure) ;
    R:long_name = "Humidity" ;
    R:units = "%" ;
    R:domain = "parent" ;
    R:_FillValue = 9999. ;
double Z(time, pressure) ;
    Z:long_name = "Height" ;
    Z:units = "DM" ;
    Z:domain = "parent" ;
    Z:_FillValue = 9999. ;
double U(time, pressure) ;
    U:long_name = "U-Component of Wind" ;
    U:units = "10KT" ;
    U:domain = "parent" ;
    U:_FillValue = 9999. ;
double V(time, pressure) ;
    V:long_name = "V-Component of Wind" ;
    V:units = "10KT" ;
    V:domain = "parent" ;
    V:_FillValue = 9999. ;
double TGRD(time) ;
    TGRD:long_name = "Temperature Gradient" ;
    TGRD:units = "10^7C/M" ;

```

```
TGRD:domain = "parent" ;  
TGRD:_FillValue = 9999. ;
```

```
// global attributes:
```

```
:FileOrigins = "File /data/output/met_test_output/tc_diag/sal092022_gfso_doper_2022092400_diag.nc"  
:MET_version = "V12.0.0" ;  
:MET_tool = "tc_diag" ;  
:Comments = "* SST, OHC averaged from 0-50 km around storm center [x10 C, kJ/cm2] *\n* RMW t
```

```
}
```