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1 ! ĐO NOT EĐIT THIS FILE.
        ! It is automatically generated by ..\util\standard_variables\parse_standard_variables.py from ..\util\standard_variab
        les\variables.yaml.
  3 ! Edit variables.yaml instead and re-run parse_standard_variables.py.
  4 self%alkalinity_expressed_as_mole_equivalent%name = 'alkalinity_expressed_as_mole_equivalent' 5 self%alkalinity_expressed_as_mole_equivalent%units = 'mmol m-3' 6 self%alkalinity_expressed_as_mole_equivalent%cf_names = 'sea_water_alkalinity_expressed_as_mo
                                                                                                                                                              'sea_water_alkalinity_expressed_as_mole_equivalent'
        call add(self%alkalinity_expressed_as_mole_equivalent)
  9
        self\% attenuation\_coefficient\_of\_photosynthetic\_radiative\_flux\% name = 'attenuation\_coefficient\_of\_photosynthetic\_radiative\_flux\% name = 'attenuation\_coefficient\_of\_photosynthetic\_flux\% name = 'attenuation\_coefficient\_of\_photosynthetic\_flux
10 self%attenuation_coefficient_of_photosynthetic_radiative_flux%units = 'm-1'
11 self%attenuation_coefficient_of_photosynthetic_radiative_flux%aggregate_variable = .true.
12 call add(self%attenuation_coefficient_of_photosynthetic_radiative_flux)
13
14 self%attenuation_coefficient_of_shortwave_flux%name = 'attenuation_coefficient_of_shortwave_flux'
15 self%attenuation_coefficient_of_shortwave_flux%units = 'm-1'
16 self%attenuation_coefficient_of_shortwave_flux%aggregate_variable = .true.
17 call add(self%attenuation_coefficient_of_shortwave_flux)
19 self%cell_thickness%name = 'cell_thickness'
20 self%cell_thickness%units = 'm'
21 self%cell_thickness%cf_names = 'cell_thickness'
       call add(self%cell_thickness)
22
23
24 self%density%name = 'density'
25 self%density%units = 'kg m-3'
26 self%density%cf_names = 'sea_water_density'
27 call add(self%density)
28
29 self%depth%name = 'depth'
30 self%depth%units = 'm'
31 self%depth%cf_names = 'depth'
32 call add(self%depth)
33
| self%downwelling_photosynthetic_radiative_flux%name = 'downwelling_photosynthetic_radiative_flux'
| self%downwelling_photosynthetic_radiative_flux%units = 'W m-2'
| self%downwelling_photosynthetic_radiative_flux%cf_names = 'downwelling_photosynthetic_radiative_flux.in_sea_water'
37 call add(self%downwelling_photosynthetic_radiative_flux)
38
39 self%downwelling_shortwave_flux%name = 'downwelling_shortwave_flux'
40 self%downwelling_shortwave_flux%units = 'W m-2'
41 self%downwelling_shortwave_flux%cf_names = 'downwelling_shortwave_flux_in_sea_water'
42 call add(self%downwelling_shortwave_flux)
43
self%fractional_saturation_of_oxygen%name = 'fractional_saturation_of_oxygen'
self%fractional_saturation_of_oxygen%units = '1'
self%fractional_saturation_of_oxygen%cf_names = 'fractional_saturation_of_oxygen_in_sea_water'
47 call add(self%fractional_saturation_of_oxygen)
48
49 self%mass_concentration_of_suspended_matter%name = 'mass_concentration_of_suspended_matter'
50 self%mass_concentration_of_suspended_matter%units = 'g m-3'
51 self%mass_concentration_of_suspended_matter%cf_names = 'mass_concentration_of_suspended_matter_in_sea_water,concentrat
        ion_of_suspended_matter_in_sea_water'
52 call add(self%mass_concentration_of_suspended_matter)
53
54 self%mole_concentration_of_ammonium%name = 'mole_concentration_of_ammonium'
55 self%mole_concentration_of_ammonium%units = 'mmol m-3'
56 self%mole_concentration_of_ammonium%cf_names = 'mole_concentration_of_ammonium_in_sea_water'
57 call add(self%mole_concentration_of_ammonium)
58
self%mole_concentration_of_carbonate_expressed_as_carbon%name = 'mole_concentration_of_carbonate_expressed_as_carbon'
60 self%mole_concentration_of_carbonate_expressed_as_carbon%units = 'mmol m-3'
61 self%mole_concentration_of_carbonate_expressed_as_carbon%cf_names = 'mole_concentration_of_carbonate_expressed_as_carbon%cf_names = 'mole_concentration_of_carbonate_expressed_as_carbonate_expressed_as_carbonate_expressed_as_carbonate_expressed_as_carbonate_expressed_as_carbonate_expressed_as_carbonate_express
62 call add(self%mole_concentration_of_carbonate_expressed_as_carbon)
63
64 self%mole_concentration_of_dissolved_inorganic_carbon%name = 'mole_concentration_of_dissolved_inorganic_carbon' self%mole_concentration_of_dissolved_inorganic_carbon%units = 'mmol m-3'
66 self%mole_concentration_of_dissolved_inorganic_carbon%cf_names = 'mole_concentration_of_dissolved_inorganic_carbon_in_
67 call add(self%mole_concentration_of_dissolved_inorganic_carbon)
68
69 self%mole_concentration_of_dissolved_iron%name = 'mole_concentration_of_dissolved_iron'
70 self%mole_concentration_of_dissolved_iron%units = 'umol m-3'
71 self%mole_concentration_of_dissolved_iron%cf_names = 'mole_concentration_of_dissolved_iron_in_sea_water'
72 call add(self%mole_concentration_of_dissolved_iron)
73
74 self%mole_concentration_of_nitrate%name = 'mole_concentration_of_nitrate'
75 self%mole_concentration_of_nitrate%units = 'mmol m-3'
76 self%mole_concentration_of_nitrate%cf_names = 'mole_concentration_of_nitrate_in_sea_water'
77
        call add(self%mole_concentration_of_nitrate)
78
79 self%mole_concentration_of_phosphate%name = 'mole_concentration_of_phosphate' 80 self%mole_concentration_of_phosphate%units = 'mmol m-3' 81 self%mole_concentration_of_phosphate%cf_names = 'mole_concentration_of_phosph
                                                                                                                                         'mole_concentration_of_phosphate_in_sea_water'
82 call add(self%mole_concentration_of_phosphate)
83
84 self%mole_concentration_of_silicate%name = 'mole_concentration_of_silicate'
85 self%mole_concentration_of_silicate%units = 'mmol m-3'
86 self%mole_concentration_of_silicate%cf_names = 'mole_concentration_of_silicate_in_sea_water'
       call add(self%mole_concentration_of_silicate)
89 self%net_rate_of_absorption_of_shortwave_energy_in_layer%name = 'net_rate_of_absorption_of_shortwave_energy_in_layer'
90 self%net_rate_of_absorption_of_shortwave_energy_in_layer%units = 'W m-2'
91 self%net_rate_of_absorption_of_shortwave_energy_in_layer%cf_names = 'net_rate_of_absorption_of_shortwave_energy_in_oce
        an_layer'
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92 call add(self%net_rate_of_absorption_of_shortwave_energy_in_layer)

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                                                       Page 2
   94 self%ph_reported_on_total_scale%name = 'ph_reported_on_total_scale'
   95 self%ph_reported_on_total_scale%units = '1
   96 self%ph_reported_on_total_scale%cf_names = 'sea_water_ph_reported_on_total_scale'
  97 call add(self%ph_reported_on_total_scale)
  98
 99 self%practical_salinity%name = 'practical_salinity'
100 self%practical_salinity%units = '1e-3'
 101 self%practical_salinity%cf_names = 'sea_water_practical_salinity'
 102 call add(self%practical_salinity)
 103
 self%pressure%name = 'pressure
105 self%pressure%units = 'dbar'
 106 self%pressure%cf_names = 'sea_water_pressure'
 107 call add(self%pressure)
 108
 109 self%secchi_depth%name = 'secchi_depth'
110 self%secchi_depth%units = 'm'
111 self%secchi_depth%cf_names = 'secchi_depth_of_sea_water'
 112 call add(self%secchi_depth)
 113
 self%temperature%name = 'temperature'
115 self%temperature%units = 'degree_Celsius'
 116 self%temperature%cf_names =
                                                    sea_water_temperature'
 117 call add(self%temperature)
 118
 119 self%bottom_depth%name = 'bottom_depth'
120 self%bottom_depth%units = 'm'
 121 call add(self%bottom_depth)
 123 self%bottom_depth_below_geoid%name = 'bottom_depth_below_geoid'
 124 self%bottom_depth_below_geoid%units = 'm'
 125 self%bottom_depth_below_geoid%cf_names = 'sea_floor_depth_below_geoid,sea_floor_depth'
 126 call add(self%bottom_depth_below_geoid)
 127
 128 self%bottom_roughness_length%name = 'bottom_roughness_length'
129 self%bottom_roughness_length%units = 'm'
 130 call add(self%bottom_roughness_length)
 131
 132 self%bottom_stress%name = 'bottom_stress'
 133 self%bottom_stress%units = 'Pa'
 134 call add(self%bottom_stress)
 135
 136 self%cloud_area_fraction%name = 'cloud_area_fraction'
137 self%cloud_area_fraction%units = '1'
138 self%cloud_area_fraction%cf_names = 'cloud_area_fraction'
 139 call add(self%cloud_area_fraction)
 self%ice_area_fraction%name = 'ice_area_fraction'
self%ice_area_fraction%units = '1'
self%ice_area_fraction%cf_names = 'sea_ice_area_fraction'
 144 call add(self%ice_area_fraction)
 145
 146 self%mole_fraction_of_carbon_dioxide_in_air%name = 'mole_fraction_of_carbon_dioxide_in_air'
147 self%mole_fraction_of_carbon_dioxide_in_air%units = '1e-6'
148 self%mole_fraction_of_carbon_dioxide_in_air%cf_names = 'mole_fraction_of_carbon_dioxide_in_air'
149 call add(self%mole_fraction_of_carbon_dioxide_in_air)
 150
 151 self%surface_air_pressure%name = 'surface_air_pressure'
152 self%surface_air_pressure%units = 'Pa'
 153 self%surface_air_pressure%cf_names = 'surface_air_pressure'
154 call add(self%surface_air_pressure)
 155
 156 self%surface_albedo%name = 'surface_albedo'
157 self%surface_albedo%units = '1'
 158 self%surface_albedo%cf_names = 'surface_albedo'
 159 self%surface_albedo%aggregate_variable = .true.
 160 call add(self%surface_albedo)
 161
 self%surface_downwelling_photosynthetic_radiative_flux%name = 'surface_downwelling_photosynthetic_radiative_flux'
self%surface_downwelling_photosynthetic_radiative_flux%units = 'W m-2'
self%surface_downwelling_photosynthetic_radiative_flux%cf_names = 'surface_downwelling_photosynthetic_radiative_flux_i
       n_sea_water
 165 call add(self%surface downwelling photosynthetic radiative flux)
 166
       self\%surface\_downwelling\_photosynthetic\_radiative\_flux\_in\_air\%name = 'surface\_downwelling\_photosynthetic\_radiative\_flux\_in\_air'
 168 self%surface_downwelling_photosynthetic_radiative_flux_in_air%units = 'W m-2'
169 self%surface_downwelling_photosynthetic_radiative_flux_in_air%cf_names = 'surface_downwelling_photosynthetic_radiative
_flux_in_air'
 170 call add(self%surface_downwelling_photosynthetic_radiative_flux_in_air)
 self%surface_downwelling_shortwave_flux%name = 'surface_downwelling_shortwave_flux' self%surface_downwelling_shortwave_flux%units = 'W m-2' call add(self%surface_downwelling_shortwave_flux)
 176 self%surface_downwelling_shortwave_flux_in_air%name = 'surface_downwelling_shortwave_flux_in_air'
177 self%surface_downwelling_shortwave_flux_in_air%units = 'W m-2'
178 self%surface_downwelling_shortwave_flux_in_air%cf_names = 'surface_downwelling_shortwave_flux_in_air,surface_downwelling_shortwave_flux'
179 call add(self%surface_downwelling_shortwave_flux_in_air)
 self%surface_drag_coefficient_in_air%name = 'surface_drag_coefficient_in_air'
self%surface_drag_coefficient_in_air%units = '1'
self%surface_drag_coefficient_in_air%units = '1'
self%surface_drag_coefficient_in_air%cf_names = 'surface_drag_coefficient_in_air,atmosphere_surface_drag_coefficient'
 184 self%surface_drag_coefficient_in_air%aggregate_variable = .true.
 185 call add(self%surface_drag_coefficient_in_air)
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187 self%surface_specific_humidity%name = 'surface_specific_humidity'
188 self%surface_specific_humidity%units = '1'
189 self%surface_specific_humidity%cf_names = 'surface_specific_humidity'
190 call add(self%surface_specific_humidity)
191
self%surface_temperature%name = 'surface_temperature'
193 self%surface_temperature%units = 'degree_Celsius'
194 self%surface_temperature%cf_names = 'sea_surface_temperature,surface_temperature,surface_temperature_where_land,surface
       \verb|e_temperature_where_open_sea|, \verb|surface_temperature_where_snow|
195 call add(self%surface_temperature)
196
197 self%wind_speed%name = 'wind_speed'
198 self%wind_speed%units = 'm s-1'
199 self%wind_speed%cf_names = 'wind_speed'
200 call add(self%wind_speed)
201
202 self%latitude%name = 'latitude'
203 self%latitude%units = 'degree_north'
204 self%latitude%cf_names =
                                                 'latitude
205 call add(self%latitude)
206
self%longitude%name = 'longitude'
208 self%longitude%units = 'degree_east'
209 self%longitude%cf_names =
                                                   longitude'
210 call add(self%longitude)
211
212 self%number_of_days_since_start_of_the_year%name = 'number_of_days_since_start_of_the_year'
213 self%number_of_days_since_start_of_the_year%units = 'd'
214 call add(self%number_of_days_since_start_of_the_year)
215
216 self%total_carbon%name = 'total_carbon
217 self%total_carbon%units = 'mmol m-3'
218 self%total_carbon%aggregate_variable = .true.
219 self%total_carbon%conserved = .true.
220 call add(self%total_carbon)
221
222 self%total_iron%name = 'total_iron'
223 self%total_iron%units = 'umol m-3'
224 self%total_iron%aggregate_variable = .true.
225 self%total_iron%conserved = .true.
226 call add(self%total_iron)
228 self%total_nitrogen%name = 'total_nitrogen'
229 self%total_nitrogen%units = 'mmol m-3'
230 self%total_nitrogen%aggregate_variable = .true.
231 self%total_nitrogen%conserved = .true.
232 call add(self%total_nitrogen)
233
234 self%total_phosphorus%name = 'total_phosphorus'
235 self%total_phosphorus%units = 'mmol m-3'
236 self%total_phosphorus%aggregate_variable = .true.
237 self%total_phosphorus%conserved = .true.
238 call add(self%total_phosphorus)
239
240 self%total_silicate%name = 'total_silicate'
241 self%total_silicate%units = 'mmol m-3'
242 self%total_silicate%aggregate_variable = .true.
243 self%total_silicate%conserved = .true.
244 call add(self%total_silicate)
245
```