|  |  |  |
| --- | --- | --- |
| Environmental variable (unit) | Spatial / temporal resolution / sensor depth (-) or height (+) | Source |
| **Ocean Variables** |  |  |
| Seafloor bathymetry (m) | 250m / - / - | New Zealand Regional Bathymetry 2016 |
| Sea surface temperature (°C) | 0.01° / daily / -0.5m | Multi-scale Ultra-high Resolution (MUR) SST Analysis fv04.1 |
| Sub surface salinity (PSU) | 0.08° / daily /- 0.5m | Global\_analysis\_forecast\_PHY\_001\_024 |
| Chlorophyll-a concentration (mg/m3) | 0.25° / daily / -0.5m | Global\_analysis\_forecast\_BIO\_001\_028 |
| **Fiord Variables** |  |  |
| Salinity (PSU) | - / daily/ -0.5m | Meridian energy dataset |
| Temperature (°C) | - / daily / -0.5m | Meridian energy dataset |
| Wind speed (km/h) | - / daily / 3m | NIWA weather station |
| Rainfall (mm) | - / daily / 3m | NIWA weather station |