|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Product/Sensor | Grid resolution | Temporal coverage | Source | Data ID – to integrate with tracking data | Data ID – for monthly predictions |
| Sea surface temperature | AVHRR Pathfinder v. 5 (day and night) | 4.4 km  **(5.5km in Xtracto)** | [15-Sep-94 13-Apr-08] | NOAA/NESDIS | 18,  erdPHssta8day,  Temporal resolution: 8 day |  |
|  | Blended (AVHRR/POES, Imager/GOES, MODIS/Aqua, AMSR-E/Aqua) | 11 km | [4-Jul-02 present] | NOAA/NESDIS | 49,  erdBAssta5day,  Temporal resolution: 5 day |  |
|  | MODIS/Aqua | (0.0125 deg on ERDDAP) | [Jul-02-present] | NASA/GSFC | erdMWchla8day, Temporal resolution: 8 day | erdMWsstdmday,  Temporal resolution: 1 month |
| Chlorophyll-*a* concentration | SeaWiFS/Orbview-2 | 8.8 km | [9-Aug-98 10-Apr-08] | NASA/GSFC | 62,  erdSWchla8day,  Temporal resolution: 8 day |  |
|  | MODIS/Aqua | 4.4 km  (0.0125 deg on ERDDAP) | [Jul-02 present] [Jul-02 present] | NASA/GSFC | 50,  erdMWchla8day,  Temporal resolution: 8 day | erdMWchlamday,  Temporal resolution: 1 month |
| Primary productivity | SeaWiFS/Orbview-2; OISST v.2 | 8.8 km | [9-Aug-98 10-Apr-08] | NASA/GSFC; NOAA/NESDIS | 41,  ppbfp18day,  Temporal resolution: 8 day |  |
|  | MODIS/Aqua  **(with pathfinder)** | 4.4 km **(given as 0.1 degree on ERDDAP background)** | [Jul-02 present] | NASA/GSFC; NOAA/NESDIS | ppbfp28day (On ERDDAP as erdPPbfp28day, but not in Xtracto),  Temporal resolution: 8 day |  |
| Sea surface height | Merged (Topex/Poseidon, ERS-1/-2, Geosat, GFO, Envisat, Jason-1/-2)  AVISO | 0.3333 deg  **(0.25 deg on ERDDAP)** | [14-Sep-94 16-Apr-08]  [Oct-92-Feb-10] | AVISO | 48,  tasshd1day,  Temporal resolution: 1 day | erdTAsshmday, Temporal resolution: 1 month |
| Ekman upwelling | Seawinds/QuikSCAT  ASCAT | 12.5 km  **(0.25 deg on ERDDAP)** | [1-Aug-99 10-Apr-08]  [Oct-09-Jun-13] | NASA/JPL  Eumetsat and NOAA/NESDIS | 58, qswekm8day,  Temporal resolution: 8 day  (in Xtracto) | erdQAstressmday, Temporal resolution: 1 month |
| Wind | ASCAT | 0.25 deg | [Oct-09-Jun-13] | Eumetsat & NOAA/NESDIS | **Add** | erdQAwindmday,  Temporal resolution: 1 month |
| Bottom depth | SRTM30\_PLUS v.10.0 digital bathymetry | 0.0083 deg | Fixed | UCSD/SIO | usgsCeSrtm30v6  (SRTM30+ v6 on ERDDAP) | usgsCeSrtm30v6  (SRTM30+ v6 on ERDDAP) |
| Bottom slope | Derived from bottom depth | 0.0083 deg | Fixed | UCSD/SIO |  |  |
| Bottom aspect (northness, eastness) | Derived from bottom depth | 0.0083 deg | Fixed | UCSD/SIO |  |  |
| Distance to shelf break (200m isobath) | ETOPO2 v.2g | 0.0333 deg | Fixed | NOAA/NGDC |  |  |