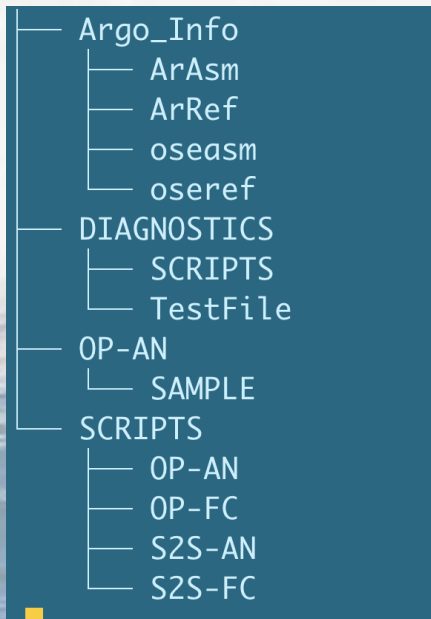
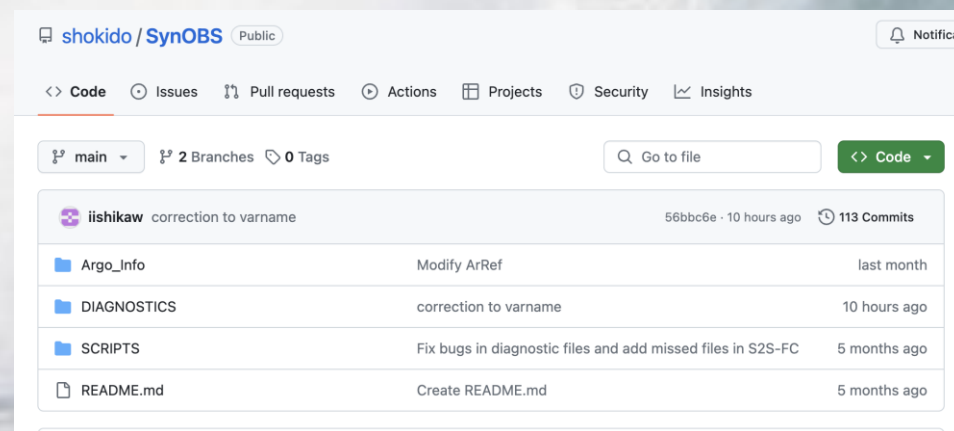


★ A common netCDF format to store outputs of SynObs OSEs

- Individual centers are required to submit various oceanic/atmospheric variables for SynObs OSEs/OSSEs with Ocean Prediction (OP) and Subseasonal-to-Seasonal (S2S) systems
 - All requested outputs should be stored as a coordinated netCDF format and directory structure
 - A series of Python codes and sample files for testing them are available at a Github link



Useful information

- Link to SynObs Flagship OSE guideline
<https://docs.google.com/document/d/1Py7QY1tl6hlageQ079ndB3u2w8UAh98uPjPxOckbrfw/edit>
- Link to Github repository
<https://github.com/shokido/SynOBS>

★ Large amount of files will be stored under SynObs OSEs/OSSEs

Table 4. Summary of output vs common to the S2S database

Table 5: Summary of dataset on the common database

Group			Daily	Pentad/Weekly	Monthly	Point Location
OP-1	3D-TSUV, Optional: T	OP-OSE Analysis (OP-AN)	OPA-D (OPA-DH) Variables: OP-2 Resolution: 0.25°, 0.1° Frequency: Daily	OPA-P Variables: OP-1 Resolution: 0.25° Frequency: Pentad		OPA-PL Argo (Daily) Mooring (Hourly)
OP-2	SST, SSS,		OPF-D (OPF-DH) Variables: OP-2 Resolution: 0.25°, 0.1° Lead Times: D1, D3, D7	OPF-P Variables: OP-1 Resolutions: 0.25° Lead Times: P1, P2		OPF-PL Argo (Daily, D1-D10) Mooring (Hourly, H1-H240)
S2S-1	Ocean: 3D-TSUV, ILD05, SW Atmosphere: 3D-TZUVQ Cover, OL	OP-OSE Forecast (OP-FC)	S2SA-D Variables: S2S-2 Oc Resolution: 1° Frequency: Daily		S2SA-M Variables: S2S-1 Oc+Flx Resolution: 1° Frequency: Monthly	S2SA-PL Argo (Daily) Mooring (Daily)
S2S-2	Ocean: SST, SSS, TCHP, ML Atmosphere: 3D-TZUVQ Cover, OL	S2S-OSE Analysis (S2S-AN)	S2SF-D Variables: S2S-3 Oc+Atm Resolution: 1° Lead Times: D1-D35	S2SF-W Variables: S2S-2 Oc+Atm Resolution: 1° Lead Times: W1-W18	S2SF-M Variables: S2S-1 Oc+Atm Res: 1° Lead Times: M1-M4	S2SF-PL Argo (Daily, D1-D126) Mooring (Daily, D1-D126)
S2S-3	Ocean: SST, SSH, Atmosphere: OLR, U200, U850	S2S-OSE Forecast (S2S-FC)				
Point Location	Argo: TS Mooring: TSUV, SWHF, NetHF					

+ 2-D ocean field x 11

- 2-D ocean field x 16
field x 5
field x 13

field x 5
field x 13

+ 2-D atmospheric field x 3

More than 10,000 files will be stored in common database...

★ Current Status of the SynObs Database by Shoichiro Kido

To effectively store outputs from OSE/OSSE, we have prepared a new disk server at JAMSTEC Application Laboratory (APL)



- **Total amount of disk storage of this server is 290 TB,**
- **However, it is only accessible from JAMSTEC internal network at present**
 - **We are now manually collecting data for the SynObs introduction paper on server via wget command (CMCC, MRI/JMA, MetOffice, have already provided links to necessary data)**
 - **Data transfer speed may be a potential bottleneck...**
 - **We are discussing how people outside of JAMSTEC will access to this server with technical team**
 - **To allow access from external network, we are planning to connect this server to new data analysis platform, called “Earth Analyzer”, which is introduced to JAMSTEC from this April**
 - **Any suggestions regarding accessibility from data providers/users will be greatly appreciated!**