**Prescribed atmosphere:** JRA55-do via YATM
1958–2017, 3-hourly, 0.5625° resolution

- Downward shortwave & longwave radiation fluxes
- Rainfall, snowfall & runoff fluxes
- Surface pressure
- 10 m air temperature & specific humidity
- 10 m wind vector

**Global sea ice model:** CICE 5.1.2
1°, 0.25° or 0.1° tripolar grid; 4 ice layers + 1 snow; EVP; 5 thickness categories

- Ocean surface stress vector
- Rainfall, snowfall & runoff
- Ice melting and formation water fluxes
- Salt flux, net heat flux
- Shortwave flux penetrating ice
- Downward longwave flux
- Latent and sensible heat fluxes
- Ice concentration

**Global ocean model:** MOM 5.1
Same horizontal grid as CICE; 50 or 75 z+ vertical levels