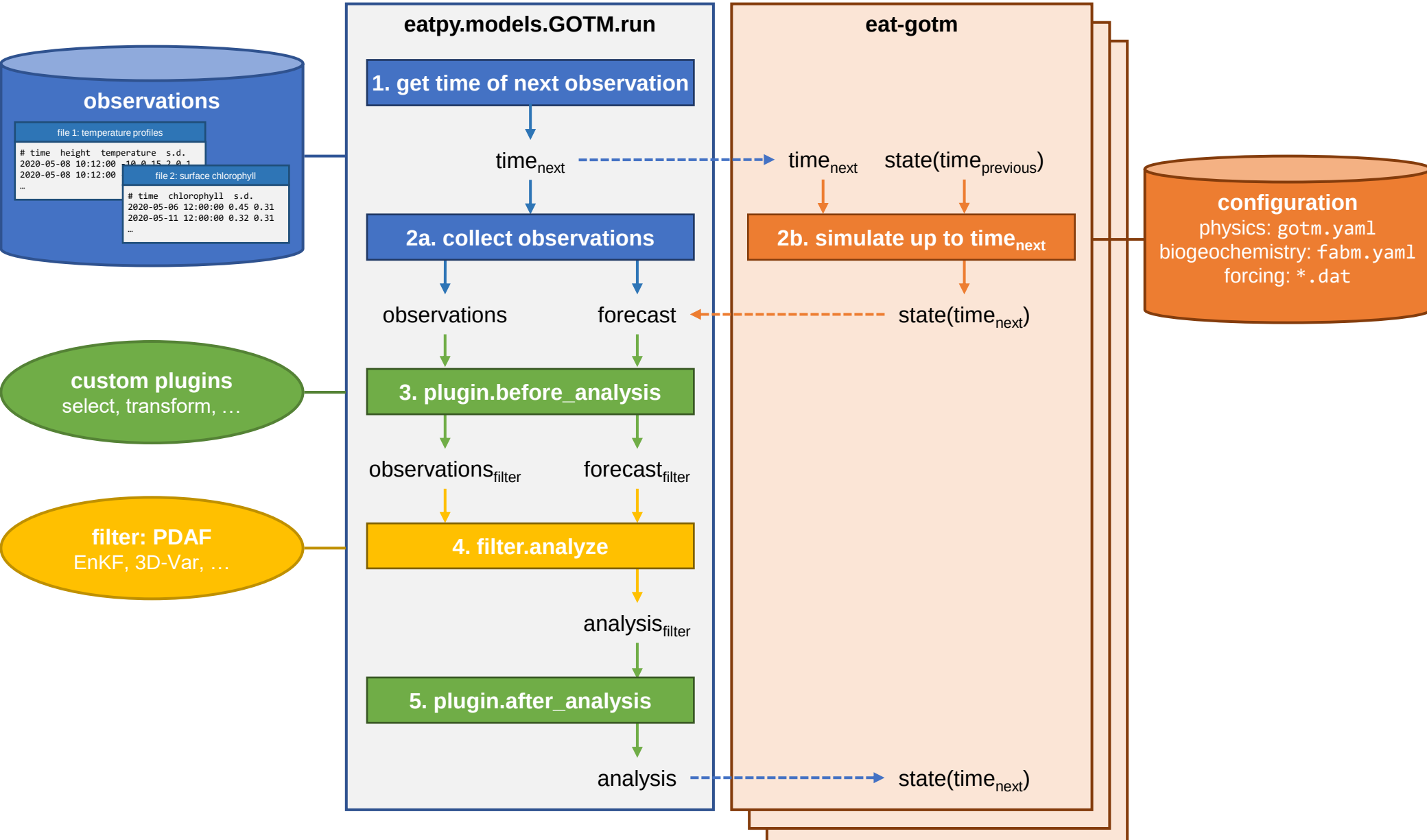
observations
file 1: temperature profiles
time height temperature s.d.
2020-05-08 10:12:00 10 0.15 2 0.1
2020-05-08 10:12:00
…
file 2: surface chlorophyll
time chlorophyll s.d.
2020-05-06 12:00:00 0.45 0.31
2020-05-11 12:00:00 0.32 0.31
…
custom plugins
select, transform, …
filter: PDAF
EnKF, 3D-Var, …
eatpy.models.GOTM.run
1. get time of next observation
time_next
2a. collect observations
observations
forecast
3. plugin.before_analysis
observations_filter
forecast_filter
4. filter.analyze
analysis_filter
5. plugin.after_analysis
analysis
eat-gotm
time_next
state(time_previous)
2b. simulate up to time_next
state(time_next)
state(time_next)
configuration
physics: gotm.yaml
biogeochemistry: fabm.yaml
forcing: *.dat