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# create observation and assimilation checkpoints
import numpy as np
da_checkpoints = obs_checkpoints = np.arange(0, 1250.001, 12.5)

# create sequential filtering_process object
from filtering_process import FilteringProcess
ref_IC = model._reference_initial_condition.copy()
experiment = FilteringProcess(assimilation_configs=dict(filter=denkf_filter ,
                                                       da_checkpoints=da_checkpoints ,
                                                       ref_initial_condition=ref_IC ,
                                                       obs_checkpoints=obs_checkpoints) ,
                             output_configs = dict(scr_output=True , scr_output_iter=1,
                                                  file_output=True , file_output_iter=1))
```