This is implemented in the code Snippet 4:

```python
# 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))
```

**Snippet 4.** Create a filter process object to carry out DEnKF filtering using the QG model.