```
Python 3.7.7 (tags/v3.7.7:d7c567b08f, Mar 10 2020, 10:41:24) [MSC v.1900 64 bit (AMD64)]
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IPython 7.16.1 -- An enhanced Interactive Python.

In [1]:          'D:/Fall-2020/small_proj_Sep4/fwdparametersestimationfortelluriummodel/
self-try/try-fitting.py'      ='D:/Fall-2020/small_proj_Sep4/
fwdparametersestimationfortelluriummodel/self-try'
Traceback (most recent call last):

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\scipy\optimize\_differentialevolution.py", line 874, in
_calculate_population_energies
    parameters_pop[0:nfevs]))

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\scipy\optimize\_differentialevolution.py", line 1261, in __call__
    return self.f(x, *self.args)

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\lmfit\minimizer.py", line 644, in penalty
    r = self.__residual(fvars, apply_bounds_transformation)

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\lmfit\minimizer.py", line 576, in __residual
    out = self.userfcn(params, *self.userargs, **self.userkws)

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\SBstoat\_modelFitterCore.py", line 158, in _residuals
    self._simulate(params=params)

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\SBstoat\_modelFitterCore.py", line 140, in _simulate
    self.observedTS.start, self.observedTS.end, len(self.observedTS))

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\SBstoat\namedTimeseries.py", line 221, in __setitem__
    self.values[:, indices] = values

ValueError: shape mismatch: value array of shape (7,5) could not be broadcast to indexing
result of shape (2,7)


During handling of the above exception, another exception occurred:

Traceback (most recent call last):

  File "D:\Fall-2020\small_proj_Sep4\fwdparametersestimationfortelluriummodel\self-
try\try-fitting.py", line 83, in <module>
    fitter.fitModel()

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\SBstoat\_modelFitterCore.py", line 193, in fitModel
    method=METHOD_DIFFERENTIAL_EVOLUTION)

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\lmfit\minimizer.py", line 2285, in minimize
    return function(**kwargs)
```

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  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\lmfit\minimizer.py", line 982, in scalar_minimize
    ret = differential_evolution(self.penalty, _bounds, **fmin_kws)

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\scipy\optimize\_differentialevolution.py", line 308, in differential_evolution
    ret = solver.solve()

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\scipy\optimize\_differentialevolution.py", line 751, in solve
    self.population[self.feasible]))

  File "C:\Tellurium-Winpython-3.7\python-3.7.7.amd64\lib\site-
packages\scipy\optimize\_differentialevolution.py", line 879, in
_calculate_population_energies
    raise RuntimeError("The map-like callable must be of the"

RuntimeError: The map-like callable must be of the form f(func, iterable), returning a
sequence of numbers the same length as 'iterable'


Warning: CVODE Warning: , Module: CVODE, Function: CVode, Message: Internal t = 1 and h =
3.91785e-18 are such that t + h = t on the next step. The solver will continue anyway.
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3.91785e-18 are such that t + h = t on the next step. The solver will continue anyway.

In [2]:
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