

**Dataset title:** slrec\_dataset.mat

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**File name structure:** slrec\_RegionName

The dataset (.mat) contains three structures, one for each region: Northeast Pacific Ocean (slrec\_nepo), East Indian Ocean (slrec\_eio) and Northeast Atlantic Ocean (slrec\_neao). Complete list of attributes and variables within each structure as follows:

**Attributes and variables:**

neurons = Number of hidden units.

initial\_year = Initial year of the reconstruction.

time\_sl = Date of data expressed as a date number.

sl = Seasonal regional estimate of sea level from satellite observations (in mm).

time\_proxy = Date of data expressed as a date number.

sl\_proxy = Seasonal regional sea level proxy data (in proxy units).

stations = A structure providing information (from the [PSMSL site](#)) about the individual tide gauge stations for each region:

id = Identification numbers.

name\_id = Name of the stations.

tg = Monthly mean sea level records (in mm).

time\_tg = Dates of data expressed as a date number.