

RISE webpage data summary

1. Gridded datasets

❖ Observational products

➤ ORAS5

Time period: 1958/01 - 2022/10

Resolution: 0.25 x 0.25 degree

Frequency: monthly

Data path at PSL: /Projects/RISE/data/raw/ORAS5/

[Original data source](#)

➤ ECCO V4r4

Time period: 1992/01 - 2017/12

Resolution: 0.5 x 0.5 degree

Frequency: monthly

Data path at PSL: /Datasets.private/ecco/Monthlies/monolevel/ssh.mon.mean.new.nc

[Original data source](#)

➤ AVISO

Time period: 1993/01 - 2020/05

Resolution: 0.25 x 0.25 degree

Frequency: monthly

Data path at PSL: /Datasets.private/aviso/Monthlies/sla.mon.mean.nc

[Original data source](#)

➤ CMEMS

Time period: 1993/01 - 2021/04

Resolution: 0.25 x 0.25 degree

Frequency: monthly

Data path at PSL: /Datasets.private/cmems/Monthlies/sla.mon.mean.nc

[Original data source](#)

➤ GLORYS

Time period: 1993/01 - 2019/12

Resolution: 1/12 x 1/12 degree

Frequency: monthly

Data path at PSL:

/Projects/GLORYS/Monthlies/monolevel/zos.mon.mean.199301-201912.nc

[Original data source](#)

❖ Hindcast/forecast models

➤ NMME

■ CanCM3

Time period: 1981/01 - 2011/12

Lead: 0 - 11

Ensemble number: 10

Resolution: 1 x 1 degree

Frequency: monthly

Data path at PSL: /Projects/NMME/Monthly/ssh/

[Original data source](#)

■ CanCM4

Time period: 1981/01 - 2011/12

Lead: 0 - 11

Ensemble number: 10

Resolution: 1 x 1 degree

Frequency: monthly

Data path at PSL: /Projects/NMME/Monthly/ssh/

[Original data source](#)

■ CCSM4

Time period: 1981/01 - 2014/12

Lead: 0 - 11

Ensemble number: 10

Resolution: 1 x 1 degree

Frequency: monthly

Data path at PSL: /Projects/NMME/Monthly/ssh/

[Original data source](#)

■ GFDL-FLORB01

Time period: 1980/01 - 2013/12

Lead: 0 - 11

Ensemble number: 12

Resolution: 1 x 1 degree

Frequency: monthly

Data path at PSL: /Projects/NMME/Monthly/ssh/

[Original data source](#)

■ CFSv2

Hindcast time period: 1982/01 - 2011/03

Forecast time period: 2011/04 - 2022/09
Lead: 0 - 9
Ensemble number: 28
Resolution: 1 x 1 degree
Frequency: monthly
Data path at PSL: /Projects/NMME/Monthly/ssh/
[Original data source](#)

➤ GFDL-SPEAR

■ Hindcast

Time period: 1991/01 - 2020/12
Lead: 0 - 11
Ensemble number: 15
Resolution: 1 x 1 degree
Frequency: monthly
Data path at PSL: /Projects/RISE/data/raw/GFDL-SPEAR/hindcast/ssh/
Original data might be available upon request*

■ Forecast

Time period: 2022/06 - 2022/11
Lead: 0 - 11
Ensemble number: 30
Resolution: 320(lat)x360(lon)
Frequency: monthly
Data path at PSL: /Projects/RISE/data/raw/GFDL-SPEAR/forecast/
Original data might be available upon request*

2. Time series

❖ Tide gauge observations

➤ PSMSL(RLR)

Frequency: monthly
Data path at PSL: <https://psl.noaa.gov/data/tidal/>
[Original data source](#)

■ San Diego, CA

Time period: 1906/01 - 2021/12

■ Charleston, SC

Time period: 1921/01 - 2021/12

➤ NOAA

Frequency: monthly

Data path at PSL: /home/dmwork/tidal/NOAA_tidegauge/monthly

Original data might be available upon request*

- San Diego, CA
Time period: 1906/01 - 2022/10
- Charleston, SC
Time period: 1899/10 - 2022/10

❖ Hindcast/forecast models

➤ NASA-JPL-ECCO

Time period: 1995/01 - 2016/12

Lead: 0 - 11

Frequency: monthly

Data path at PSL: /Projects/RISE/data/raw/NASA-JPL/

Original data might be available upon request*

- CCSM4
Ensemble number: 10
- SPEAR
Ensemble number: 15

➤ KSU-NARX

Time period: 1982/10 - 2020/01

Lead: 0 - 9

Frequency: monthly

Data path at PSL: /Projects/RISE/data/raw/KSU-NARX/19912020climo/

Original data might be available upon request*

➤ Downscaling models

Time period: 1982/01 - 2011/12

Lead: 0 - 9

Ensemble number: 10

Frequency: monthly

Data path at PSL: /Projects/RISE/xlong/

Original data might be available upon request*

- CanCM3
- CanCM4
- CCSM4
- GFDL-FLORB01
- CFSv2

*Please [contact us](#) for any questions, concerns and/or requests.