

SKIMulator training

A fast observing system simulator as a tool for discussion between instrument experts and oceanographers

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.:| Connect to the virtual machine |:.

1- In a browser (chrome or firefox are recommended):

<https://collab.umr-lops.fr/app/notebooks>

2. Login with the username and password written on your desk.

.:| Initialize the workspace |:.

3. Click on the "Terminal" in the right-side panel, under the "Other" category

4. Type the following command in the terminal:

```
init-skim-training.sh
```

.:| Running the skimulator |:.

5. You can generate the simulated L2B SKIM product with the following command:

```
skimulator params_files/params_example_8beams.py
```

6. You can generate the simulated L2C SKIM product with the following command:

```
skiml2c params_files/params_example_8beams.py
```

.:| Playing with notebooks |:.

7. Go to the notebook directory on the left panel. Double click on the notebook you want to play with. There are four of them:


plot_L2B.ipynb: Plot one L2B pass


plot.ipynb: Plot grids, L2B data for all passes

diag.ipynb: Perform a RMS on L2B data

plot_L2C.ipynb: Plot one L2C pass and compare it with model input

8. Jupyter notebook tips:

Run a cell using the play button  or *Shift Enter*

Restart kernel using  (to remove previous test or inputs from memory or if the notebook stops responding)

`In [*]:` means the cell is running, a number will replace the star when the job is done.

Download link:

- software public on git: <https://git.oceandatalab.com/skim/skimulator>
- public forum to encourage discussion between users:
forum.oceandatalab.com/forum-1.html
- If you need help, want to report a bug, have a question:
Use the wiki from git or **the forum**

Installation and running instruction are in the README file

SKIMULATOR IS CONSTANTLY UPDATED:

- **CHECK THE LAST VERSION ON GIT**
- **CHECK ANY UPDATE ON THE FORUM**