

Data Flagging Dashboard

Main Data Chain Jupyter Notebook

The screenshot shows a Jupyter Notebook interface. The left sidebar displays a file browser with a tree view of files and folders. The main area contains a code cell with the following Python code:

```
[7]: dataset_name = f'ACSM_TOFWARE/{YEAR}/ACSM_{STATION_ABBR}_{YEAR}_meta.t
path_to_config_file = 'pipelines/params/validity_thresholds.yaml'
#command = ['python', 'pipelines/steps/compute_automated_flags.py', pa
#status = subprocess.run(command, capture_output=True, check=True)
#print(status.stdout.decode())
path_to_data_file = CAMPAIGN_DATA_FILE
generate_flags(path_to_data_file, 'diagnostics', capture_renku_metadat
```

Below the code cell, the output shows:

```
Total rows: 104669
NaT (missing) values: 0
Percentage of data loss: 0.0000%
```

The screenshot shows the Data Flagging Dashboard web application. It features a file selection interface, a table for creating flags, and several time series plots for different channels. The 'Create flags' section shows a table with columns for 'id', 'startdate', and 'end'. The time series plots show data for channels like CH_11000, NH4_11000, NO3_11000, and O3_11000 over time.

Visualization Jupyter Notebook

The screenshot shows a Jupyter Notebook interface displaying three time series plots. The plots are:

- VaporizerTemp_C over t_base
- FlowRate_ccs over t_base
- FilamentEmission_mA over t_base

Each plot shows data points over time, with red vertical bars indicating 'Invalid Region'.