# Daily Scicat Exercise
## Data Reduction Day

27-08-2025

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## Task 1 - Upload Datasets

Requirements (2)

1. Add a cool plot 🖼 as an attachment file.
2. Add `scipp` as a used_software.

Discussion Point: Which scientific metadata should I repeat from the parent dataset? (Simulation dataset)

Tip: How to save a plot that is generated by `plopp`.

```python
plot = si_wav.hist(two_theta=128, wavelength=200).plot(norm='log', vmin=1.0e-3)
```

```python
plot.save('NAME_OF_YOUR_REDUCTION_PLOT.png)
```

## Task 2 - Write README.md, Data Reduction Section

*Also finish up the previous section if you couldn't finish yesterday.

```markdown
## Data Reduction

> Day 3, 2025.08.27


### Data Reduction Input

| Dataset Name | Description |
| ------------ | ----------- |
| {{ NAME_OF_THE_REDUCTION_INPUT_DATASET }} |  |

### Data Reduction Methodology

```python
# Add your code snippet how you reduced the data
```

### Data Reduction Result

| Dataset Name | Scicat Dataset Persistent Identifier (PID) |
| ------------ | ------------------------------------------ |
| {{ REDUCED_DATASET_NAME }} | [ {{ REDUCED_DATASET_PID }} ]({{ LINK_TO_THE_REDUCED_DATASET_IN_SCICAT }}) |


<br>

> Add your plots here

![Alternative Text of Image](full_path_to_the_image "Help text of Image")
```

Tip: Path to the image should be relative to the REAMD file.

# Today's exercise is done!

# See you tomorrow
# at the Analysis class! : D

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