



Stockholm  
University

Department of Meteorology

Course name (MOXXXX)

**Title of the lab report**

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## 1 Introduction

- Why are we interested in the topic? → Give a background description if possible also include a review of previous relevant research.
- What is the report about? → Present purpose and research questions.
- What is the aim to learn from the laboratory? → Catch up the specific issues to be studied in the "Conclusions".
- Don't forget to include references !

## 2 Theory and Methods

- Motivate the choice of instruments, methods, analysis of series of observations and model calculations.
- Use your own words to explain the theoretical processes behind the experiment.
- Describe the experiment execution, the instrumentation and data.
- What are sources of error? → Discuss the accuracy and the precision limitations in the choice of methodology.
- Don't forget the references !
- Use subsections if needed.

### 2.1 Equations

This is an example of an equation:

$$\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi} \quad (1)$$

If you want to learn more about how to write equations like eq. (1) or how to define special math symbols please see the following webpage: [http://www.colorado.edu/physics/phys4610/phys4610\\_sp15/PHYS4610\\_sp15/Home\\_files/LaTeXSymbols.pdf](http://www.colorado.edu/physics/phys4610/phys4610_sp15/PHYS4610_sp15/Home_files/LaTeXSymbols.pdf).

## 3 Results

- Describe the details of your results and provide an interpretation of the same.
- Answer the questions listed in the laboratory description and connect the results to the theory.
- Don't use any references. You are presenting your own results.
- Use subsections if needed.

**Table 1:** This is the caption of the table, it should be placed above.

A	B	C
1	2	3
4	5	6

### 3.1 Figures & Tables

- Illustrate your results using tables, charts, photographs etc. Present your tables, figures etc clearly with axes labels, units and self-supporting captions.
- All tables and figures should be referred to in the text.
- Table 1 shows an example of a table:
- Fig. 1 shows an example of a figure:



**Figure 1:** This is the caption of the figure, it should be placed below.

## 4 Discussion

- Evaluate the results presented.
- Discuss the accuracy, precision limitations in the choice of methodology in relation to the findings.
- Discuss how the results relate to previous research in the field of the laboration.
- Use subsections if needed.
- Use references when you are relating your results to other results. Here are two examples:  
"These phenomena are responsible for a strong feedback mechanism (Surname et al., 2016). Surname et al. (2016) showed that ..."

## 5 Conclusions

- Summary of what has been done.
- What are the most important conclusions? → Catch up the specific issues to be studied defined in the introduction.
- Discuss the results in a broader context with respect to relevant scientific, ethical and social aspects.
- Don't use any references.

## References

Surname, N., Surname, N., and Surname, N. 2016. This is the title of the article. *This is the name of the journal*, volume number, 000–100.