# Experimental data

# Professor files (notes + coding)

# Models (folder)

## Atmospheric model (folder)

* Files (python)
* Results folder ()

## ThermodynamicsModel

* Files (python)
* Results folder ()

## Dynamic model

SteadyStateSolution.py – 90% need some documents

AnalyticalSolution.py – need documents

NumericalSolution.py – need documents

InitialConditionsSteadyStateSolution.py

* Result folder

## Model matching (folder)

Python files for tuning the params of the Numerical solutions

## Venting model

* Venting model

# Controller

* Implementation of PID
* import sys
* # In order to import the file in the parent directory, we add the directory containing the parent file to the sys.path
* # setting path
* path = r"C:\New folder\Drexel\2023\Courses\Summer 2024 - SGN\VIP program - balloon project\Weather-Balloon-Drexel\NEBP\_project"
* sys.path.append(path)