# Description of Dataset

READ ME File For 'Dataset for " Development of a Floating Element Photoelastic Force Balance "'

Dataset DOI: [10.5258/SOTON/D2675](https://doi.org/10.5258/SOTON/D2675)

Date that the file was created: June 2023

## General information

ReadMe Authors: John Lawson and Bradley McLaughlin, University of Southampton

Date of data collection: April 2022

Information about geographic location of data collection: Southampton, UK

## Sharing/access information

Licenses/restrictions placed on the data, or limitations of reuse: CC BY 4.0

This dataset supports the publication: Bradley McLaughlin, John Lawson, Bharathram Ganapathisubramani. Development of a Floating Element Photoelastic Force Balance (2023) Experiments in Fluids

## Data & file overview

The accompanying spreadsheet Development\_of\_a\_Floating\_Element\_Dataset.ods contains all necessary data to reproduce figures 5, 6, 7 and 8, 9, 11 and 12. For figures 6, 7, 8, 9 and 11 are plots of normalised error, for these figure the measured values are given alongside the normalised errors.

Nomenclature used is consistent with the manuscript.