

Data Access

Experimental Data Set on Liquid Ammonia Flash-Boiling Atomization in Steel Micro-Nozzles: Boundary Conditions, Internal Geometry (μ CT), and Spray Morphology

DOI: [10.18154/RWTH-2026-01824](https://doi.org/10.18154/RWTH-2026-01824)

You cannot download the files of the dataset directly here due to their size. They are provided in the object-based repository for research data (FDS) at RWTH Aachen University. You will need an S3 client to access the data. You can find details and a configuration guide in the [documentation](#).

Login data:¹

Server:	global.datastorage.nrw
Port:	443
Access Key ID:	CA780C54C7962A4378E3
Secret Access Key:	fxXTdkZ2bHbO6/mDsELpR1umUKkAAAGfx5YqQ5c2
Path:	ec17c1e6-e30d-4bb9-a279-6c7271ed0675

Contents of the dataset

The dataset includes the following files.

Folder	Number of files - Folder size
00_Metadata	1 file - < 1 MB
01_Background_Images	18 files – 1,5 GB
02_Measurements	184 folders - 203 GB
03_CT-Scans	6 files - 328 MB
Description Steel Nozzles NH3.txt	1 file - < 1 MB

¹ On August 04, 2026, the login data was updated for technical reasons. The files and their contents remain unchanged.