



CCRES Workshop
Doppler lidar
May 2025

CCRES Workshop, 19 May, 2025

Doppler lidar sites


More than 12 Doppler lidar stations operating

Location

Results

Found 12 results

Product





































 Doppler lidar x

☒ Show experimental products

 volatile  experimental

Data object

Date

 Doppler lidar from Bucharest	 	2025-05-15
 Doppler lidar from Cabauw	 	2025-05-15
 Doppler lidar from Chennai	 	2025-05-15
 Doppler lidar from Chilbolton	 	2025-05-15
 Doppler lidar from Cluj-Napoca	 	2025-05-15
 Doppler lidar from Limassol	 	2025-05-15
 Doppler lidar from Mindelo	 	2025-05-15
 Doppler lidar from Neumayer Station	 	2025-05-15
 Doppler lidar from Palaiseau	 	2025-05-15
 Doppler lidar from Payerne	 	2025-05-15
 Doppler lidar from Potenza	 	2025-05-15
 Doppler lidar from Warsaw	 	2025-05-15



Doppler lidar - wind

Location

Select

☒ Show all sites

Date

Current year

Last 30 days

Today

2025-05-16



☐ Show date range

Product

Doppler lidar wind x

☒ Show experimental products

Instrument model

Select

Specific instrument

Select

View in visualization search →

[Reset filter](#)

Results

Found 9 results

volatile experimental

Data object		Date
Doppler lidar wind from Bucharest		2025-05-16
Doppler lidar wind from Cabauw		2025-05-16
Doppler lidar wind from Chennai		2025-05-16
Doppler lidar wind from Chilbolton		2025-05-16
Doppler lidar wind from Mindelo		2025-05-16
Doppler lidar wind from Neumayer Station		2025-05-16
Doppler lidar wind from Palaiseau		2025-05-16
Doppler lidar wind from Payerne		2025-05-16
Doppler lidar wind from Warsaw		2025-05-16

Download all

9 files (5.4 MB)

Doppler lidar - ϵ (dissipation rate)

Location

Select

☒ Show all sites


Date

Current yearLast 30 daysToday

2025-05-16

☐ Show date range

Product

 Dissipation rate of TKE (l... x

☒ Show experimental products

Instrument model

Select

Specific instrument

Select










View in visualization search →

[Reset filter](#)

Results

Found 9 results

volatile experimental

Data object		Date
 Dissipation rate of TKE (lidar) from Bucharest	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Cabauw	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Chennai	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Chilbolton	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Mindelo	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Neumayer Station	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Palaiseau	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Payerne	volatile experimental	2025-05-16
 Dissipation rate of TKE (lidar) from Warsaw	volatile experimental	2025-05-16

Download all

9 files (55.5 MB)

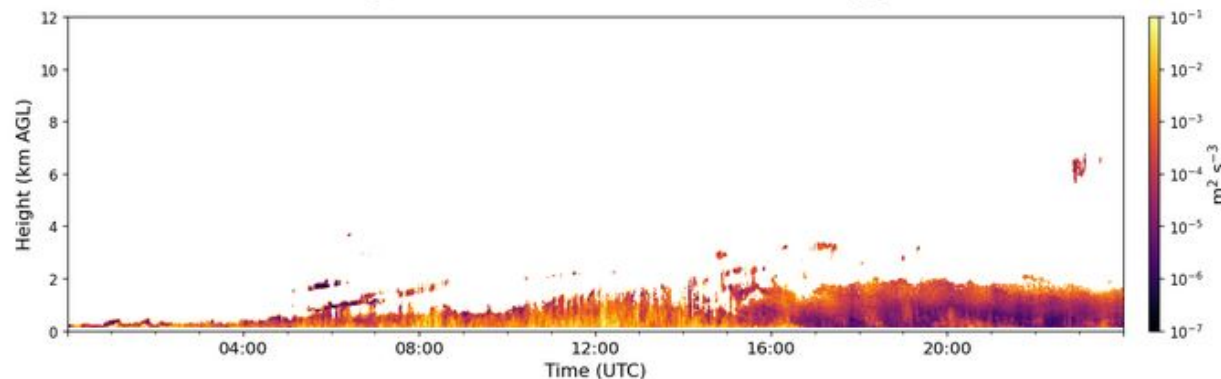
Doppler lidar - ϵ (dissipation rate)

INOE HALO Doppler lidar, Bucharest [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy

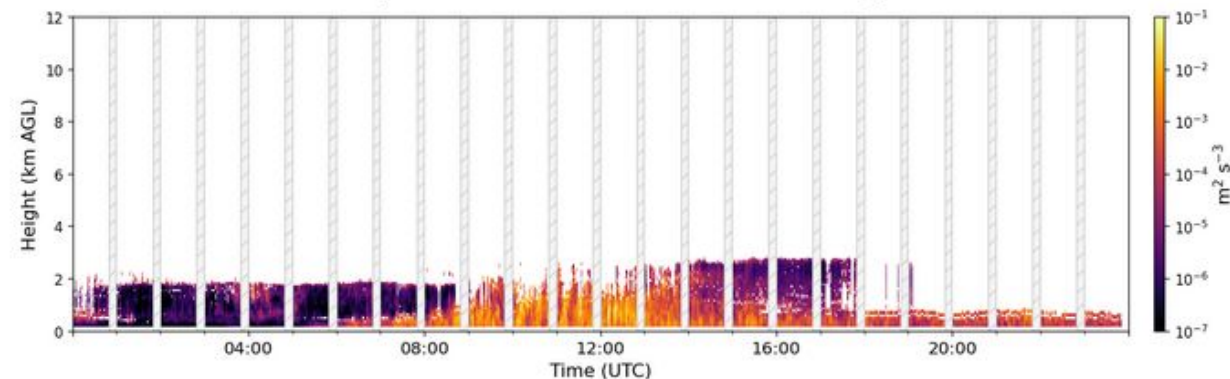


KNMI WLS200S Doppler lidar, Cabauw [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy

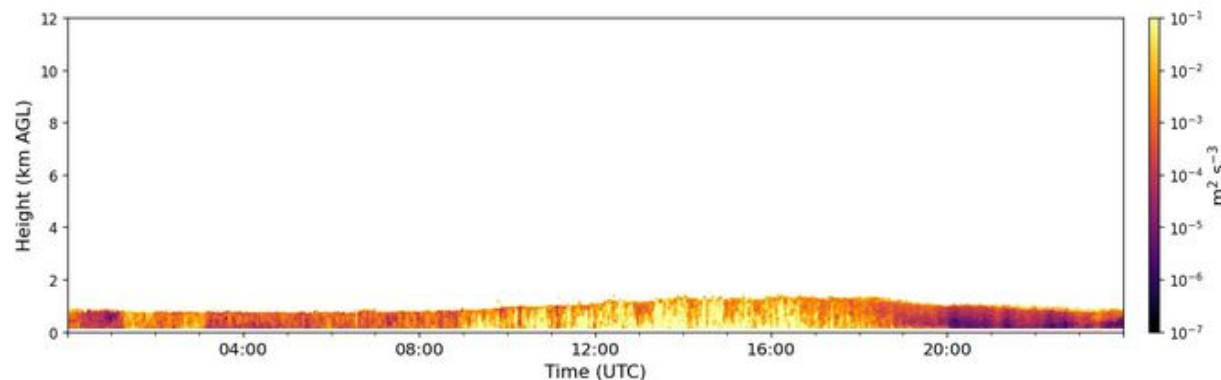


UL HALO Doppler lidar, Chilbolton [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy

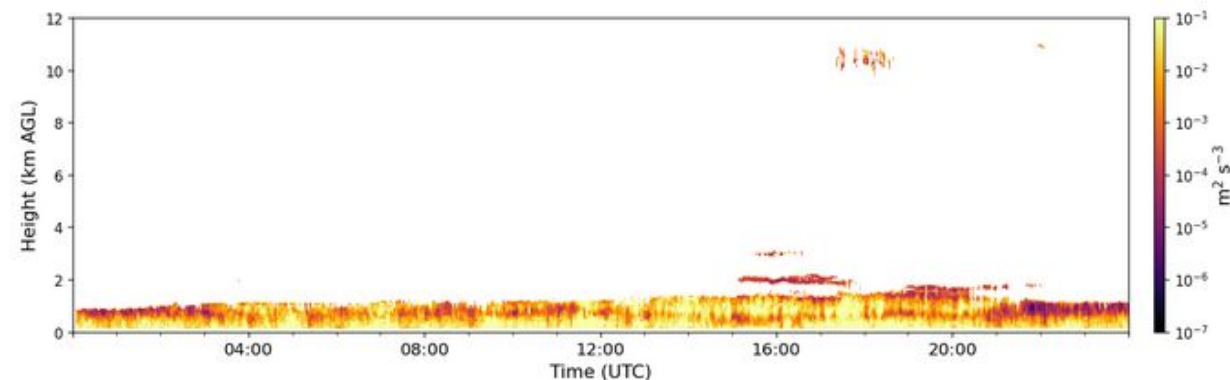


TROPOS HALO XR (Timmy) Doppler lidar, Mindelo [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy



Doppler lidar - ϵ (dissipation rate)

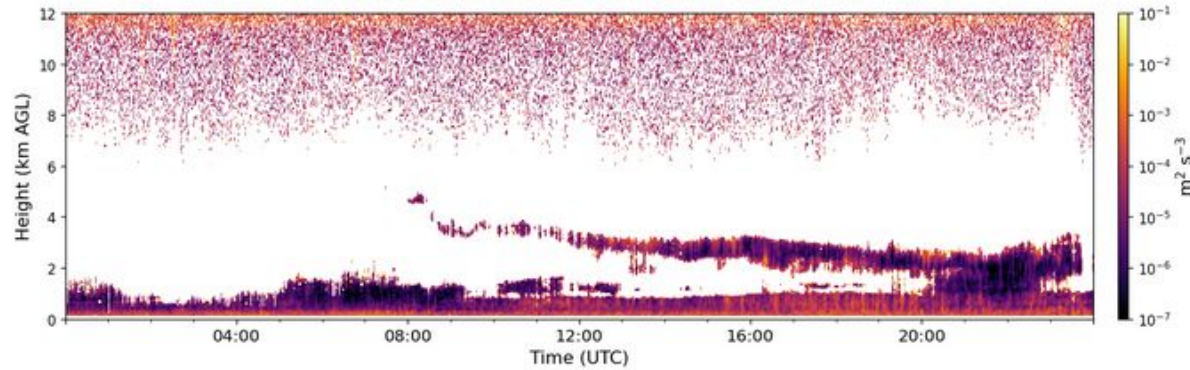


AWI HALO (234) Doppler lidar, Neumayer Station [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy

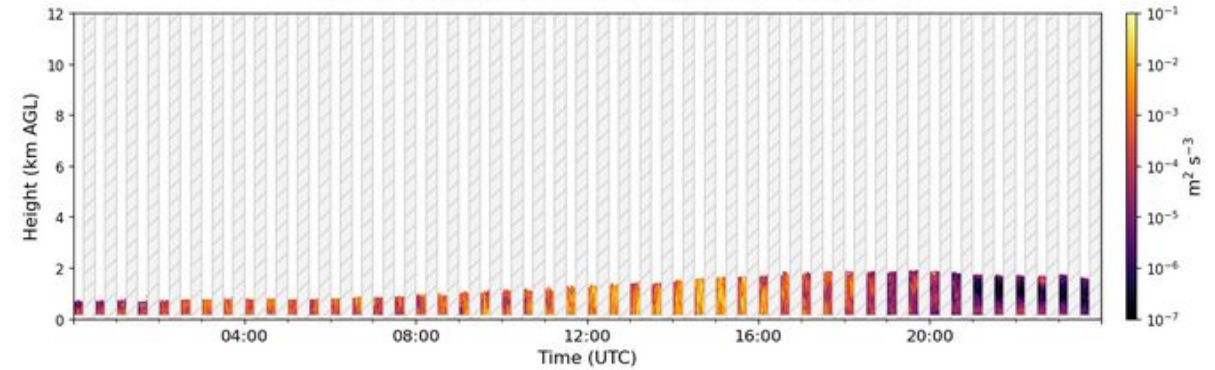


IPSL/CNRS WLS400S Doppler lidar, Palaiseau [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy

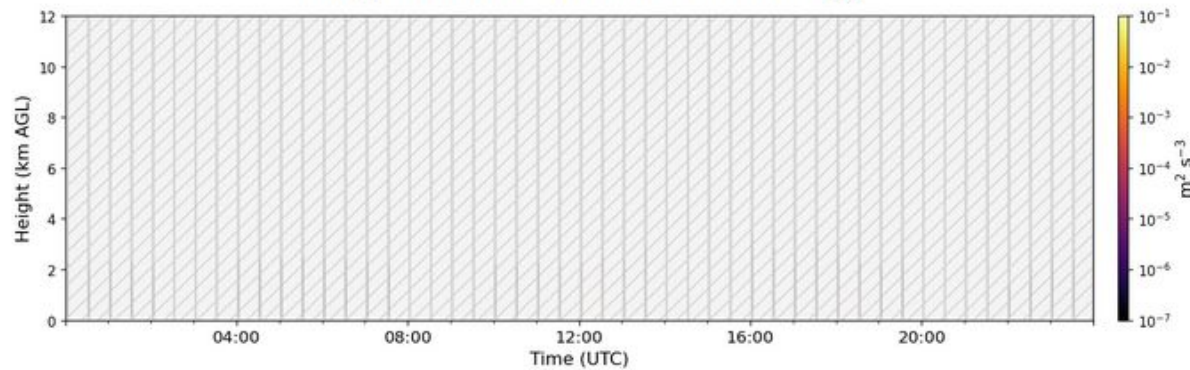


MeteoSwiss WLS200S Doppler lidar, Payerne [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy

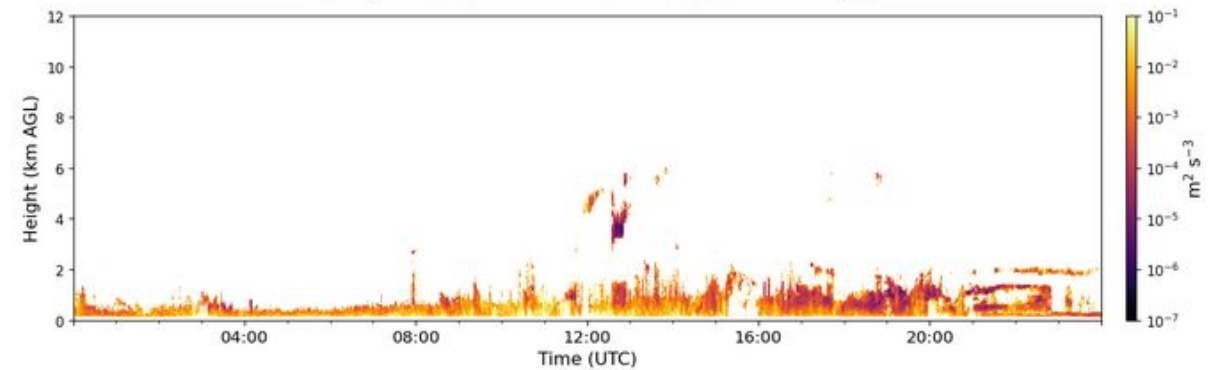


UW HALO Doppler lidar, Warsaw [↗](#)

Volatile

Experimental

Dissipation rate of turbulent kinetic energy



CCRES services

Doppler lidar monitoring



Data Explorer



Query 1 (0.06s) + View Raw Data CSV 2024-12-01 13:58 to 2025-04-11... SCRIPT EDITOR SUBMIT

FROM

Search buckets

housekeeping

housekeeping-downsampled

_monitoring

_tasks

+ Create Bucket

Filter

_measurement 1

Search _measurement tag values

housekeeping

Filter

Instrument_id 1

Search instrument_id tag values

basta

chm15k

cl151

cl61d

cs135

ct25k

halo-doppler-lidar

hatpro

rpg-fmcw-35

rpg-fmcw-94

Filter

_field 1

Search _field tag values

acquisition_card_temp...

internal_relative_hum...

internal_temperature

platform_pitch_angle

platform_roll_angle

supply_voltage

Filter

Instrument_pid

Search instrument_pid tag values

https://hdl.handle.ne...

https://hdl.handle.ne...

https://hdl.handle.ne...

https://hdl.handle.ne...

https://hdl.handle.ne...

https://hdl.handle.ne...

WINDOW PERIOD

CUSTOM AUTO

auto (8h43m50s3ms)

Fill missing values

AGGREGATE FUNCTION

CUSTOM AUTO

mean

median

last

CCRES services Doppler lidar monitoring

Housekeeping data (not yet visible at CLU/CCRES):

- Stored in Influx DB at CLU - needs to be added to HKD and monitoring pages designed



CCRES services Doppler lidar monitoring

Housekeeping data (not yet visible at CLU/CCRES):

- Stored in Influx DB at CLU - needs to be added to HKD and monitoring pages designed
- Need **temperature** values for background correction
- Check **platform pitch** and **roll**

