



Corrigendum to “Aerosol and cloud data processing and optical property retrieval algorithms for the spaceborne ACDL/DQ-1” published in Atmos. Meas. Tech., 17, 1879–1890, 2024

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During the writing of the paper, an incorrect value was inserted into Table 1. The incorrect value “532.024 nm” has been updated to “532.245 nm”. Please find the correct version of Table 1 below.

Table 1. Parameters of the ACDL instrument.

Parameters	Value
Wavelength	532.245 nm; 1064.490 nm
Pulse energy	~ 130 mJ at 532 nm; ~ 180 mJ at 1064 nm
Laser frequency stability	< 2 MHz (RMS)
Laser divergence angle	≤ 60 μrad at 532/1064 nm
Gain	59.46 at parallel; 53.4573 at vertical; 32 at HSRL
Telescope diameter	1.0 m
Lidar off-nadir angle	2°
Laser repetition frequency	20 Hz at dual-pulse
Sampling rate	50 MHz
Vertical resolution (raw data)	3 m at < 7.5 km; 24 m (8 bin average) at > 7.5 km
Horizontal resolution (raw data)	~ 330 m