
 IAASARS/NOA PANGEA4CalVal	Invitation to Webinar "Calibration, quality control, retrieval and application of ACDL/DQ-1 measurements "	 MIRA Working Group
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We are pleased to invite you to the upcoming PANGEA4CalVal (P4CV) webinar in collaboration with the Models, In situ, and Remote Sensing of Aerosols (MIRA) Working Group, hosted by the [National Observatory of Athens](#) (NOA) on 21 January 2025, at 06:00 UTC:

### **Calibration, quality control, retrieval, and application of ACDL/DQ-1 measurements**

Webinar Information:

Title: Calibration, quality control, retrieval, and application of ACDL/DQ-1 measurements

Presenter: Guangyao Dai | Ocean University of China | OUC

Date: 21/1/2025

Time: 06:00 UTC, 14:00 CST, 1:00 EST

Duration: 1 hour

Link: <https://noa-react.my.webex.com/meet/elmarinou>

Abstract: The new-generation atmospheric environment monitoring satellite DQ-1, launched successfully in April 2022, carries the Aerosol and Carbon Detection Lidar (ACDL), which is capable of globally profiling aerosol and cloud optical properties with high accuracy. The ACDL/DQ-1 is a high-spectral-resolution lidar (HSRL) that separates molecular backscatter signals using an iodine filter and has 532 nm polarization detection and dual-wavelength detection at 532 and 1064 nm, which can be utilized to derive aerosol optical properties. In this talk, the long-chain data processing including data preparation, calibration, retrieval, and the application of the ACDL will be presented.

The [P4CV](#) and [MIRA](#) webinar series fosters collaboration and knowledge-sharing within the scientific community. Focusing on the study of aerosols, clouds, and precipitation, these webinars bring together experts and researchers from around the globe to discuss cutting-edge advancements and challenges. The seminar will consist of a presentation, followed by a Q&A session, allowing participants to ask questions and engage in discussions. We are pleased to inform you that the upcoming webinar, will be recorded. Following the live session, the recording will be available for viewing on:

- PANGEA4CalVal Webpage for Webinars: [Explore all webinars here](#)
- PANGEA4CalVal YouTube Channel: [Watch and subscribe here](#)
- MIRA webinars archive: [Explore all webinars here](#)

If you have any questions or need further information, you can contact us at the following email: [react@noa.gr](mailto:react@noa.gr). Thank you, and we hope to see you on January 21st!

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