

## Quality Assurance Photos of eruptions in Iceland since 1996 – EPOS

This service enables access to sets of photos of volcanic eruptions in Iceland that have taken place since 1996. Most of the photos are taken from aircraft, showing volcanic or related activity, including in some cases, jökulhlaups (glacial outburst floods) caused by melting of ice by the eruptions. The oldest photos (1996-2000) are mostly slides, scanned for this purpose. Since 2000, most photos have been taken in digital format. All photos are in jpg-format.

Estimates of distance to target and aircraft height over ground are made and presented in the metadata. These estimates are mostly based on dimensions and features seen in the photos and the camera field of view.

The data describing the images is mostly obtained through contemporaneous recording of information by photographers, the type and dimensions of the camera and lens used, and analysis of individual photos. If uncertainties or questions arise, the person responsible for the data should be contacted.

The metadata used to describe each photo are:

- Photo identification (2):
  - Id
  - File
- Event information (4):
  - Country/Region
  - Location
  - Event
  - Target
- Target and source location (10):
  - Target Latitude
  - Target Longitude
  - Target Elevation
  - Source Latitude
  - Source Longitude
  - Direction to target
  - Distance to target
  - Uncertainty in distance
  - Source Altitude
  - Uncertainty in Altitude
- Platform, time of photography and photographer (6):
  - Platform
  - Date
  - Time
  - Uncertainty in time

- Photographer
  - Host institute
- Target description (6)
  - Description
  - Keyword 1
  - Keyword 2
  - Keyword 3
  - Keyword 4
  - Keyword 5
- Camera information (2)
  - Lens
  - Source format