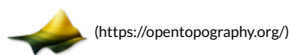


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2018 Faraglione, Vulcano Island, Sicily, Italy (simple demo)

OT Dataspace

Dataset Information

These data were collected over the Faraglione--a rock outcropping in the Vulcano Town area, Vulcano Island, Sicily, Italy. They were produced as part of a general investigation of the island and in support of a Risk Course from the University of Geneva lead by Professor Costanza Bonnadonna. The Faragalione is a set of tilted and deformed volcanic rocks. Collected with a DJI Phantom 4 Pro by Ramon Arrowsmith in coordination with Dr. Fabio Pisciotta of the INGV. Alessandro Gattuso (INGV) assisted in ground control and planning.

opentopoID: OTDS.102018.32633.1**DOI:** 10.5069/G9WD3XPD (<https://doi.org/10.5069/G9WD3XPD>)**Platform:** Structure from Motion / Photogrammetry**Data Format:** Point Cloud, Raster, Images**Dataset Acknowledgement:** Arrowsmith, J R., Pisciotta, F. Supported in part by the CERG-C (Certificat de spécialisation en évaluation et management des Risques Géologiques et risques liés au climat / Specialization certificate for the assessment and management of geological and climate related risk) at the University of Geneva, Switzerland (Professor Costanza Bonnadonna and Dr. Corine Frischknecht).**Additional Information:** Ground control only comes from on board GPS positioning on the drone with this dataset.**User Contact Information:** J Ramón Arrowsmith Professor of Geology at Arizona State University School of Earth and Space Exploration Arizona State University Tempe, AZ 85287-6004, U.S.A. (480) 965-5081 MAIN OFFICE (480) 965-8102 FAX ramon.arrowsmith@asu.edu**Dataset keywords:** Vulcano, Sicily, avalanche**Survey Date:** 05/07/2018 - 05/12/2018**Publication Date:** 10/29/2018**Survey Area:** 68,688.00 m²**No. of lidar returns:** 17,314,196 pts**Point Density:** 252.07 pts/m²**Raster resolution:** 0.06 meter**Classifications:**

Class 0 (Created, never classified): 17,314,196

Survey Report: 20181029_Faraglione_for_OT_report.pdfhttps://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/docs/20181029_Faraglione_for_OT_report.pdf**Coordinates System:**

Horizontal: WGS 84 / UTM zone 33N [EPSG: 32633]

Vertical: Ellipsoidal from DGPS georeferencing

Data Provider and Roles:

Contributors:

- Ramon Arrowsmith (mailto:ramon.arrowsmith@asu.edu)
Organization: Arizona State University

Spatial Extent



Show Data Files

Point Cloud Data

	File Name	Size	F
1	20181029_Faraglione_for_OT.laz (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/pointcloud/20181029_Faraglione_for_OT.laz)	171.30 MB	17,3

Raster Data

	File Name	Size
1	20181029_Faraglione_for_OT_DEM.tif (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/raster/20181029_Faraglione_for_OT_DEM.tif)	80.93 MB

Images Files

	File Name	Size	Dimensions
1	DJI_0917.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0917.JPG)	8.29 MB	5472 x 3648
2	DJI_0921.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0921.JPG)	7.98 MB	5472 x 3648
3	DJI_0925.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0925.JPG)	8.33 MB	5472 x 3648
4	DJI_0929.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0929.JPG)	7.92 MB	5472 x 3648
5	DJI_0933.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0933.JPG)	7.83 MB	5472 x 3648
6	DJI_0937.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0937.JPG)	8.05 MB	5472 x 3648
7	DJI_0941.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0941.JPG)	8.11 MB	5472 x 3648
8	DJI_0943.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0943.JPG)	7.82 MB	5472 x 3648
9	DJI_0945.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0945.JPG)	8.15 MB	5472 x 3648
10	DJI_0947.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0947.JPG)	8.64 MB	5472 x 3648
11	DJI_0949.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0949.JPG)	8.09 MB	5472 x 3648
12	DJI_0951.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0951.JPG)	7.96 MB	5472 x 3648
13	DJI_0955.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0955.JPG)	8.74 MB	5472 x 3648
14	DJI_0957.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0957.JPG)	8.23 MB	5472 x 3648

15	DJI_0959.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0959.JPG)	8.31 MB	5472 x 3648
16	DJI_0961.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0961.JPG)	8.64 MB	5472 x 3648
17	DJI_0965.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0965.JPG)	7.76 MB	5472 x 3648
18	DJI_0967.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0967.JPG)	7.96 MB	5472 x 3648
19	DJI_0971.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0971.JPG)	7.80 MB	5472 x 3648
20	DJI_0975.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0975.JPG)	8.22 MB	5472 x 3648
21	DJI_0979.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0979.JPG)	8.62 MB	5472 x 3648
22	DJI_0981.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0981.JPG)	8.36 MB	5472 x 3648
23	DJI_0985.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0985.JPG)	7.83 MB	5472 x 3648
24	DJI_0989.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0989.JPG)	8.74 MB	5472 x 3648
25	DJI_0991.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0991.JPG)	8.13 MB	5472 x 3648
26	DJI_0995.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0995.JPG)	8.42 MB	5472 x 3648
27	DJI_0996.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0996.JPG)	8.69 MB	5472 x 3648
28	DJI_0997.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0997.JPG)	8.82 MB	5472 x 3648
29	DJI_0998.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0998.JPG)	8.13 MB	5472 x 3648
30	DJI_0999.JPG (https://cloud.sdsc.edu/v1/AUTH_opentopography/hosted_data/OTDS.102018.32633.1/images/DJI_0999.JPG)	8.48 MB	5472 x 3648
	Summary		247.07 MB

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