Supplement of Earth Syst. Sci. Data, 18, 345–369, 2026
https://doi.org/10.5194/essd-18-345-2026-supplement

Open Access Earth System Science Data

Supplement of

A comprehensive rock glacier inventory for the Peruvian Andes (PRoGI): dataset, characterization and topoclimatic attributes

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Table S1. Experts who participated in the review of the digitization of rock glacier contours.

N°	Name of the expert	Affiliation	Country	Expertise
1	Mariano Castro	Argentine Institute of Snow, Glaciology and Environmental Sciences (IANIGLA)	Argentina	High
2	Francisco Ferrando Acuña	Faculty of Architecture and Urban Planning, University of Chile	Chile	Medium
3	Daniel Falaschi	Argentine Institute of Snow, Glaciology and Environmental Sciences (IANIGLA)	Argentina	High
4	Umberto Morra di Cella	Department at Environmental Protection Agency of Aosta Valley (ARPA - VdA)	Italy	High
5	Xavier Bodin	National Center for Scientific Research (CNRS)	France	High
6	Darío Trombotto	Argentine Institute of Snow, Glaciology and Environmental Sciences (IANIGLA)	Argentina	High
7	Lukas Arenson	BGC Engineering Inc.	Canada	High
8	Lidia Ferri	Argentine Institute of Snow, Glaciology and Environmental Sciences (IANIGLA)	Argentina	High
9	Sebastián Vivero	Swiss Federal Institute of Technology in Lausanne	Switzerland	High
10	Roberto Merino	National Geology and Mining Service (SERNAGEOMIN)	Chile	Medium
11	Guillermo Azócar	Atacama Ambiente E.I.R.L.	Chile	High
12	Pedro Straub	Atacama Ambiente E.I.R.L.	Chile	Medium
13	Carla Tapia	Argentine Institute of Snow, Glaciology and Environmental Sciences (IANIGLA)	Argentina	Medium
14	Edwin Loarte	Faculty of Environmental Sciences, Santiago Antúnez de Mayolo National University	Peru	High
15	Katy Medina	Faculty of Environmental Sciences, Santiago Antúnez de Mayolo National University	Peru	High
16	Yan Hu	Faculty of Science, The Chinese University of Hong Kong	China	High

Table S2. Rock glaciers by subregion and basin.

Subregion	Tributary River Basin	Count	Area (km^2)	Mean Elevation (m a.s.l.)
NDOT	Cuenca Mala	8	0.19	4879
	Cuenca Rímac*	4	0.11	4989
	Cuenca Pativilca*	3	0.31	4820
	Cuenca Chancay - Huaral	2	0.02	4904
	All	**17**	**0.63**	**4873**
NWOT	Cuenca Rímac*	19	0.59	4858
	Cuenca Cañete	10	0.20	4883
	Cuenca Pativilca*	10	0.93	4914
	Cuenca Mantaro	4	0.14	4910
	Cuenca Pampas	4	0.03	4884
	All	**47**	**1.89**	**4835**
SDOT	Cuenca Camaná	507	17.43	5005
	Cuenca Ocoña*	463	23.08	5001
	Cuenca Tambo	238	8.84	4982
	Cuenca Quilca - Vitor - Chili	182	8.42	5021
	Cuenca Locumba	130	6.24	5040
	Cuenca Ilo - Moquegua	116	4.15	4976
	Cuenca Mauri	116	4.09	4965
	Cuenca Sama	115	5.58	5007
	Cuenca Ushusuma	70	2.91	5103
	Intercuenca Alto Apurímac	65	2.17	4929
	Cuenca Ilave	53	1.70	4978
	Cuenca Caplina	50	1.94	5068
	Cuenca Caño	14	0.80	5035
	Cuenca Cañete	6	0.12	4890
	Cuenca Lluta	4	0.15	5217
	Cuenca San Juan	2	0.03	4980
	Cuenca Yauca	2	0.04	4870
	Cuenca Pescadores - Caraveli	1	0.02	4595

Subregion	Tributary River Basin	Count	Area (km^2)	Mean Elevation (m a.s.l.)
	Cuenca Pisco	1	0.01	4642
	All	**2135**	**87.73**	**5025**
SWOT	Cuenca Urubamba	40	0.89	5006
	Intercuenca Alto Apurímac	37	1.42	4973
	Cuenca Azángaro	32	0.82	5017
	Cuenca Pucará	14	0.35	4917
	Cuenca Coata	11	0.18	4932
	Cuenca Suches	3	0.08	5004
	Cuenca Ocoña*	2	0.11	5095
	All	**139**	**3.84**	**4937**

Note: 'Cuenca' means 'basin' in Spanish. *Basin spans multiple subregions; counts given per subregion portion

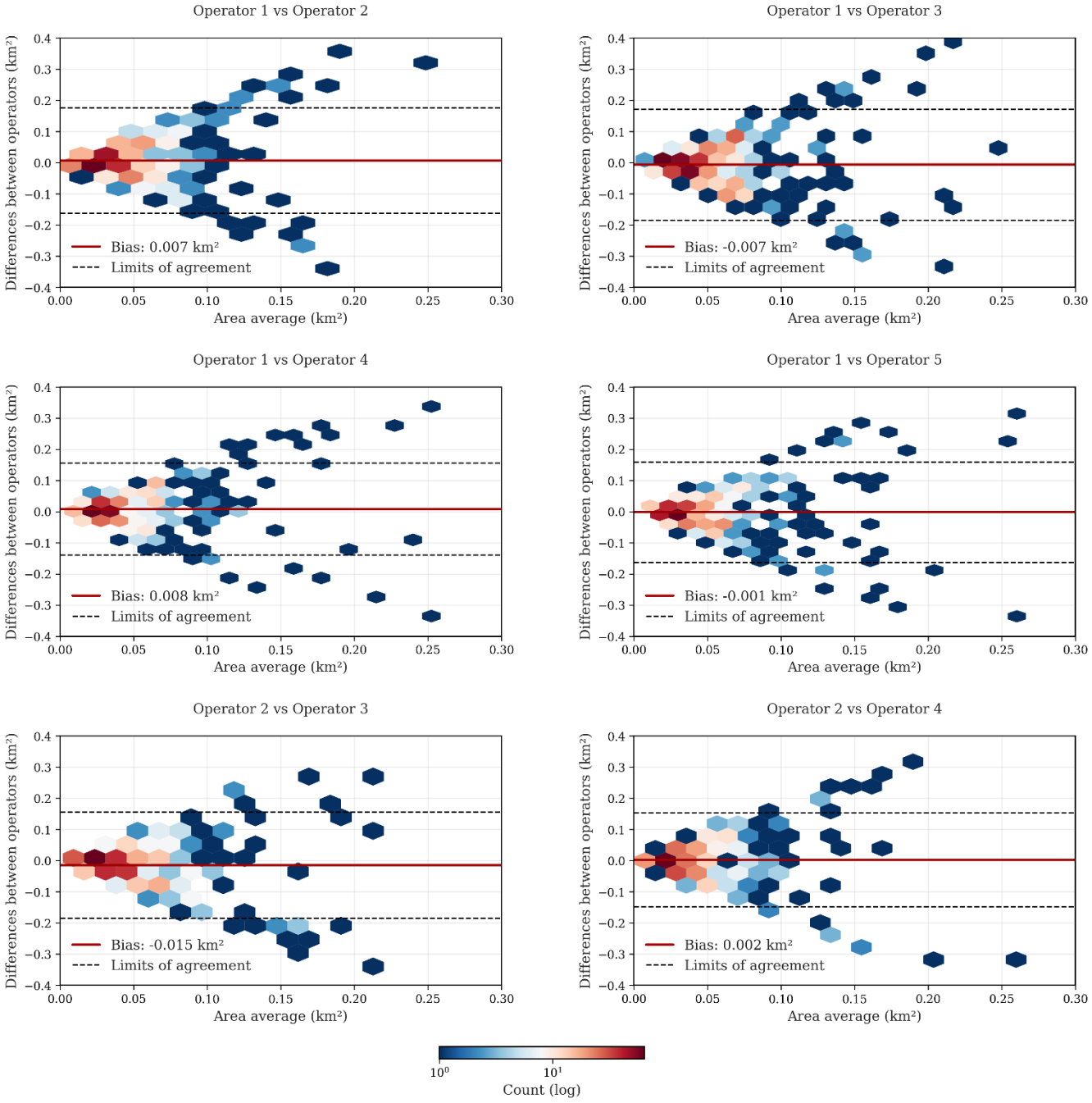

Figure S1. Bland-Altman analysis of interoperator consistency in the rock glacier inventory. Each subplot compares the area differences (km²) between two operators versus their average, showing the bias (red line) and 95% agreement limits (gray lines). The density of points is visualized as hexagons (logarithmic scale).

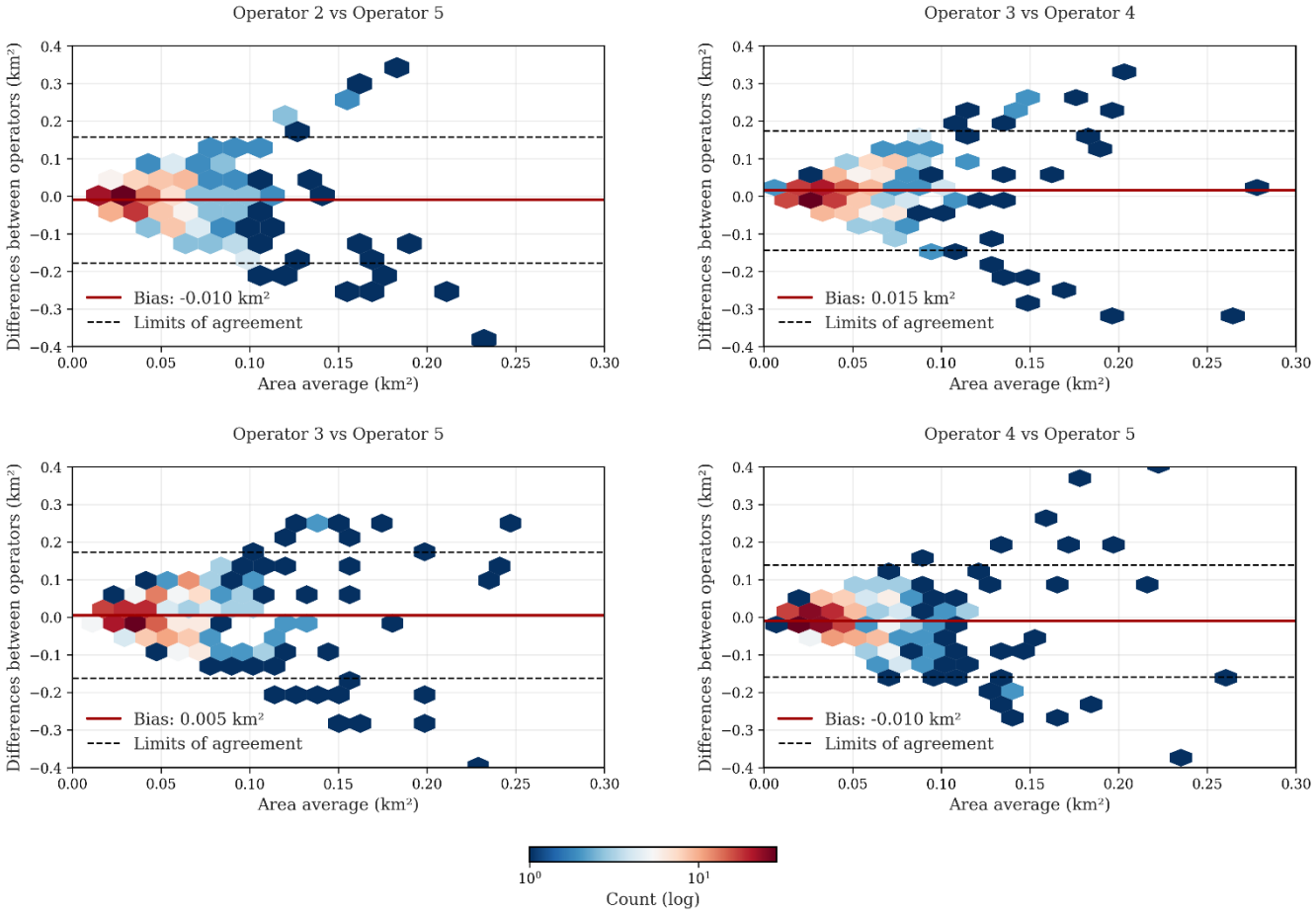

Figure S1 (continuation). Bland-Altman analysis of interoperator consistency in the rock glacier inventory. Each subplot compares the area differences (km²) between two operators versus their average, showing the bias (red line) and 95% agreement limits (gray lines). The density of points is visualized as hexagons (logarithmic scale).