

■ New insights into the plumbing system of Santorini using helium and carbon isotopes

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■ Supplementary Information

The Supplementary Information includes:

- Table S-1

Table S-1 He, Ne and CO₂ concentrations, and isotopic ratios of seawater samples collected at the bottom of the caldera of Santorini. The helium isotopic ratio (R/Ra) is expressed as the ³He/⁴He normalised to the atmospheric ratio Ra = 1.384 x 10⁻⁶. Uncertainties are 1 sigma errors and result from the blank corrections and the correction for mass discrimination of the instrument. CHF= Caldera hydrothermal field. KL= Kallisti Limnes. See Figure 1 for sample locations.

Sample	Site	Latitude	Longitude	pH	⁴ He X 10 ⁻⁸ cc/g	²² Ne X 10 ⁻⁸ cc/g	R/Ra	±	²⁰ Ne/ ²² Ne	±	²¹ Ne/ ²² Ne	±	CO ₂ mol/l	δ ¹³ C	±	C/ ³ He X 10 ⁹
CAF13	CHF	36°29.2285'N	25°24.3040'E	7.91	5.92	1.40	3.23	0.17	9.79	0.02	0.0299	0.0007	0.00303	0.99	0.02	256
CAF14	reference	36°25.4245'N	25°22.6190'E	7.89	3.84	1.40	1.33	0.08	9.80	0.02	0.0296	0.0007	0.00292	0.53	0.08	925
CAF19	KL	36°27.2412'N	25°24.3166'E	5.96	79.9	1.24	6.22	0.28	9.79	0.02	0.0296	0.0007	0.00763	0.26	0.05	25
CAF5	CHF	36°26.9772'N	25°24.1370'E	7.89	4.31	1.66	1.59	0.08	9.81	0.02	0.0297	0.0007	0.00249	1.03	0.06	588
CAF12	CHF	36°27.1989'N	25°24.3535'E	7.92	107	31.7	1.37	0.06		na			0.00264	1.04	0.13	29
CAF1	CHF	36°26.9968'N	25°24.1317'E	7.83	123	39.8	0.99	0.04		na			0.00257	1.06	0.06	34
CAF3	CHF	36°26.9745'N	25°24.1317'E	7.93	160	54.2	1.06	0.05		na			0.00295	0.92	0.07	28
CAF17	KL	36°27.2412'N	25°24.3166'E	5.93	222	22.7	4.79	0.19		na			0.00658	0.53	0.10	10
CAF16bis	KL	36°27.2412'N	25°24.3166'E	6.04	114	0.96	6.50	0.28	9.78	0.02	0.0297	0.0007	0.00493	-0.13	0.06	11
CAF18	KL	36°27.2412'N	25°24.3166'E	7.86	4.74	1.38	2.43	0.13	9.78	0.02	0.0292	0.0007				
CAF17bis	KL	36°27.2412'N	25°24.3166'E	5.93	137	1.51	6.42	0.27	9.78	0.02	0.0295	0.0007	0.00658	0.53	0.10	12
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