

Supplementary Figure and Table for

Decompression experiments for sulfur-bearing hydrous rhyolite magma: Redox evolution during magma decompression

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Supplemental Fig. S1

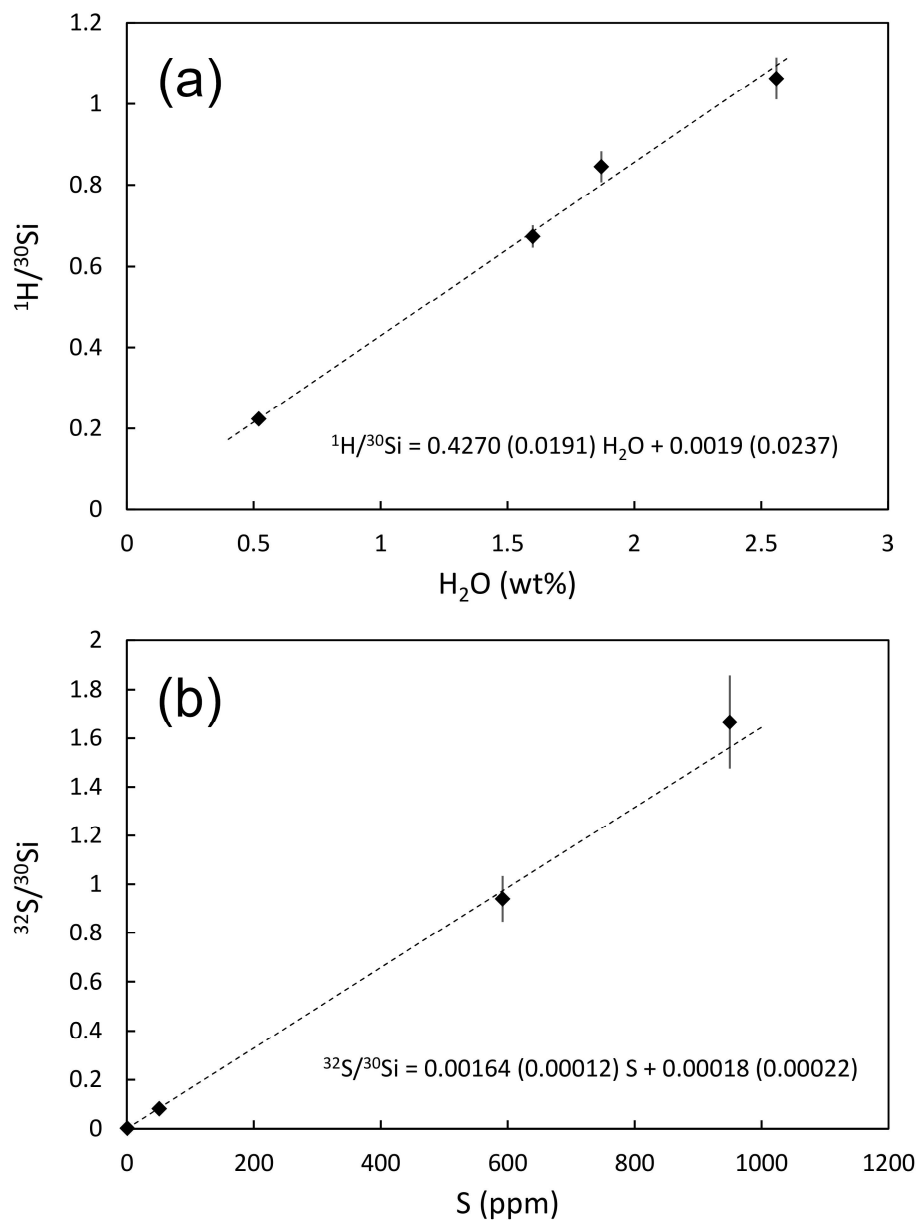


Figure S1. Calibration lines of (a) H_2O and (b) S measurement by SIMS. The dashed lines represent the results of linear fitting of the data, showing good linearity between $^1\text{H}/^{30}\text{Si}$ and H_2O content and between $^{32}\text{S}/^{30}\text{Si}$ and S content. The fitting results given by equations in the figures were used as the calibration lines. The values in parentheses represent the errors.

Supplemental Table S1

TABLE S1. Anhydrous chemical composition of glasses in run products

	JR1+S-g1	JR1+S-g2	EQ20	EQ20-2	10-30	10-50	100-10	100-10-2	100-30	100-30-2	100-50	100-50-2	JR1 std
Average													
SiO ₂ (wt%)	77.08	77.36	77.24	76.95	77.19	77.07	77.15	76.87	77.23	77.20	77.18	77.12	76.59
TiO ₂	0.08	0.08	0.08	0.10	0.11	0.06	0.08	0.09	0.11	0.10	0.08	0.07	0.11
Al ₂ O ₃	12.77	12.73	12.82	13.05	12.69	12.90	12.72	13.02	12.55	12.95	12.79	13.04	13.02
FeO	0.58	0.63	0.61	0.64	0.67	0.65	0.62	0.67	0.62	0.59	0.69	0.60	0.82
MnO	0.09	0.09	0.07	0.08	0.10	0.07	0.10	0.09	0.11	0.09	0.07	0.11	0.10
MgO	0.09	0.10	0.08	0.12	0.12	0.11	0.14	0.10	0.10	0.11	0.10	0.11	0.12
CaO	0.68	0.63	0.68	0.66	0.66	0.67	0.67	0.62	0.66	0.65	0.66	0.63	0.68
Na ₂ O	3.91	3.76	3.83	3.88	3.96	3.96	4.01	4.01	3.98	3.86	3.97	3.85	4.08
K ₂ O	4.69	4.59	4.59	4.50	4.49	4.50	4.52	4.52	4.63	4.45	4.44	4.46	4.48
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00