

[5] Marginal distributions for probability of eruption.

	No activity	31 Jul 75	9 Jul 76	13 Aug 76	29 Aug 76	31 Aug 76	30 Nov 76	1 Mar 77
No eruption								
mean	9.87E-1	9.79E-1	5.83E-1	6.33E-1	6.33E-1	4.78E-1	8.94E-1	8.40E-1
5%ile	9.39E-1	9.26E-1	1.25E-1	1.63E-1	1.63E-1	7.19E-2	5.96E-1	3.55E-1
50%ile	9.97E-1	9.91E-1	6.26E-1	6.84E-1	6.83E-1	4.77E-1	9.48E-1	9.27E-1
95%ile	1.00E+0	1.00E+0	9.23E-1	9.41E-1	9.41E-1	8.91E-1	1.00E+0	9.95E-1
Phreatic eruption								
mean	1.33E-2	1.92E-2	1.19E-1	1.20E-1	1.20E-1	1.15E-1	6.55E-2	7.10E-2
5%ile	2.96E-6	6.37E-5	2.63E-3	4.46E-3	4.46E-3	7.00E-4	1.82E-4	2.39E-3
50%ile	2.89E-3	7.94E-3	7.61E-2	8.39E-2	8.39E-2	5.55E-2	3.43E-2	3.90E-2
95%ile	6.11E-2	7.01E-2	3.86E-1	3.60E-1	3.60E-1	4.32E-1	2.45E-1	2.70E-1
Magmatic eruption								
mean	1.07E-5	1.06E-3	1.49E-1	1.23E-1	1.23E-1	2.03E-1	2.01E-2	4.52E-2
5%ile	6.36E-19	2.26E-9	1.45E-3	6.34E-4	6.43E-4	4.34E-3	9.42E-9	1.87E-5
50%ile	2.32E-11	1.07E-5	7.52E-2	5.58E-2	5.59E-2	1.29E-1	9.12E-4	5.29E-3
95%ile	1.16E-6	3.98E-3	5.51E-1	4.75E-1	4.76E-1	6.46E-1	1.09E-1	2.45E-1
Magmatic blast								
mean	3.98E-6	9.22E-4	1.49E-1	1.24E-1	1.24E-1	2.04E-1	2.04E-2	4.40E-2
5%ile	3.80E-19	2.02E-9	1.29E-3	6.23E-4	6.24E-4	3.80E-3	1.06E-8	1.98E-5
50%ile	2.55E-11	1.01E-5	7.37E-2	5.41E-2	5.42E-2	1.26E-1	8.76E-4	5.01E-3
95%ile	1.19E-6	3.52E-3	5.58E-1	4.97E-1	4.97E-1	6.51E-1	1.11E-1	2.43E-1

Marginal distributions for probability of eruption, calculated for the baseline case (no activity detected) and given observational evidence from the period 1975-1977. The mean, 5, 50 and 95 percentile estimates were obtained by Monte Carlo sampling, and represent the expected uncertainty in the experts' probability estimates.