

K-Ar AGES AND ANALYTICAL DATA FOR THE DACITES OF MAZAMA RIDGE AND RICKSECKER POINT,
MOUNT RAINIER, WASHINGTON

Sample no.	Eruptive unit	K ₂ O (wt.%)	⁴⁰ Ar _{rad}		Calculated* age (ka)
			(10 ⁻¹³ mol/g)	(%)	
93RE-15	dacite of Mazama Ridge	2.075 ± 0.007	2.602	16.0	87 ± 5
93RE-163	dacite of Mazama Ridge	2.065 ± 0.003	2.708	11.6	91 ± 6
95RE-466	dacite of Mazama Ridge	2.095 ± 0.003	2.804	13.0	93 ± 7
95RE-465	dacite of Mazama Ridge	2.095 ± 0.003	3.172	4.7	105 ± 9
93RW-78	dacite of Ricksecker Point	1.857 ± 0.014	1.086	2.2	40 ± 9

* $\lambda_e = 0.581 \times 10^{-10} \text{ yr}^{-1}$; $\lambda_\beta = 4.962 \times 10^{-10} \text{ yr}^{-1}$; $^{40}\text{K}/\text{K} = 1.167 \times 10^{-4} \text{ mol/mol}$.

Sisson, T. W., and Lanphere, M. A., 1997, The growth of Mount Rainier volcano, Cascade arc, USA: Puerto Vallarta, Mexico, International Association of Volcanology and Chemistry of the Earth's Interior General Assembly, Proceedings, p. 5.