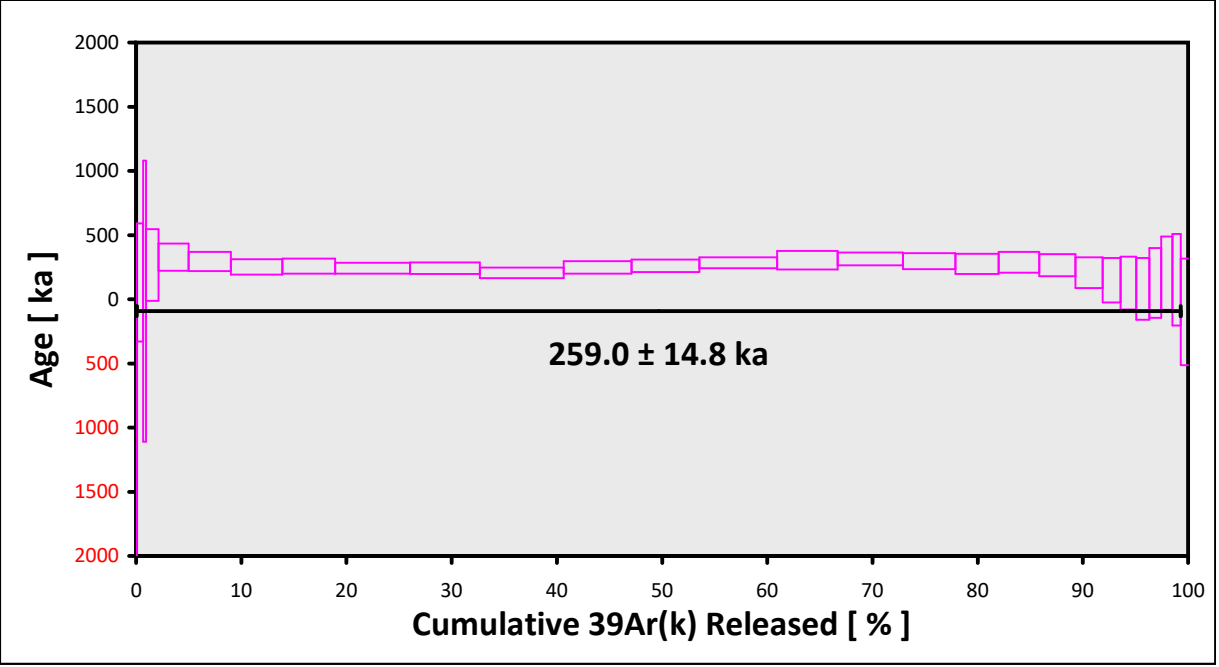
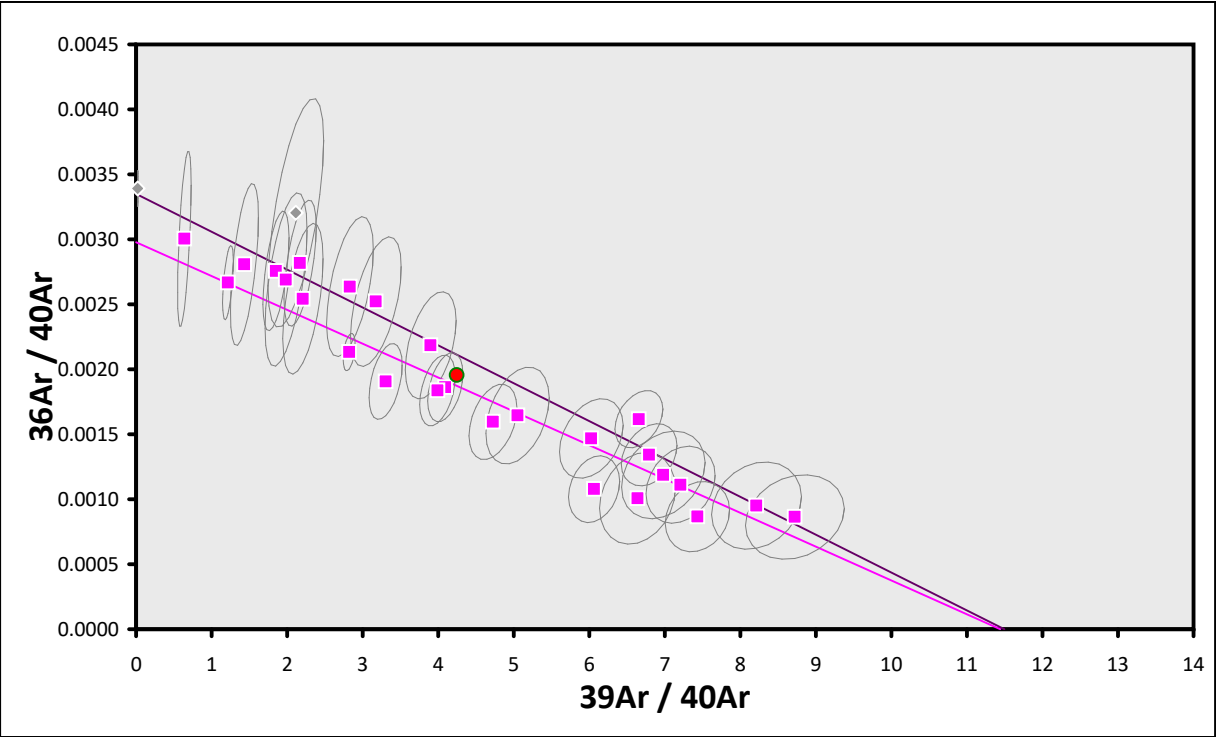


EXP#22F06413 > MLM065 B1 > POLENZ (21-26)
WESTERN CASCADES > SOUTHWESTERN WASHINGTON
22-OSU-01 (1B15-22) > Incremental Heating > Plagioclase > Dan Miggins

Information on Analysis and Constants Used in Calculations	Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = POLENZ (21-26) Sample = MLM065 B1 Material = Plagioclase Location = Southwestern Washington Region = Western Cascades Analyst = Dan Miggins Irradiation = 22-OSU-01 (1B15-22) Position = X: 999 Y: 999 Z/H: 26.57878 mm FCT-NM Age = 28.201 ± 0.023 Ma FCT-NM Reference = Kuiper et al (2008) FCT-NM 40Ar/39Ar Ratio = 9.54279 ± 0.00945 FCT-NM J-value = 0.00162693 ± 0.00000161 Air Shot 40Ar/36Ar = 300.3560 ± 0.3875 Air Shot MDF = 0.99850318 ± 0.00041231 (LIN) Experiment Type = Incremental Heating Extraction Method = Bulk Laser Heating Heating = 50 sec Isolation = 6.00 min Instrument = ARGUS-VI-F Preferred Age = Plateau Age Age Classification = Eruption Age IGSN = Undefined Rock Class = Undefined Lithology = Undefined Lat-Lon = Undefined - Undefined Age Equations = Min et al. (2000) Negative Intensities = Allowed Collector Calibrations = 36Ar Decay 40K(total) = 5.463 ± 0.107 E-10 1/a Decay 40K(EC,β ⁺) = 0.580 ± 0.014 E-10 1/a Decay 40K(β ⁻) = 4.884 ± 0.099 E-10 1/a Decay 39Ar = 2.940 ± 0.016 E-07 1/h Decay 37Ar = 8.230 ± 0.012 E-04 1/h Decay 36Cl = 2.257 ± 0.015 E-06 1/a Production 39/37(ca) = 0.0006425 ± 0.0000059 Production 38/37(ca) = 0.0001800 ± 0.0000173 Production 36/37(ca) = 0.0002703 ± 0.0000005 Production 40/39(k) = 0.000607 ± 0.000059 Production 38/39(k) = 0.012077 ± 0.000011 Production 36/38(cl) = 262.80 ± 1.71 Scaling Ratio K/Ca = 0.430 Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04 Atomic Weight K = 39.0983 ± 0.0001 g Trapped 40/36(a) = 333.99 ± 10.68 Trapped 38/36(a) = 0.1885 ± 0.0003 Standard MDF 40/36(a) = 298.56 ± 0.31 Standard MDF Reference = Lee et al 2006	Age Plateau		0.08699 ± 0.00496 ± 5.70%	259.0 ± 14.8 ± 5.70% Full External Error ± 20.0 Analytical Error ± 14.8	1.17 26% 1.57 1.0807	99.26 26 2σ Confidence Limit Error Magnification	0.169 ± 0.079
	Total Fusion Age		0.08174 ± 0.00572 ± 7.00%	243.4 ± 17.0 ± 7.00% Full External Error ± 21.2 Analytical Error ± 17.0		28	0.083 ± 0.000
	Normal Isochron	332.74 ± 21.05 ± 6.33%	0.08424 ± 0.00776 ± 9.21%	250.9 ± 23.1 ± 9.21% Full External Error ± 26.5 Analytical Error ± 23.1	1.37 11% 1.58 1.1700	99.26 26 2σ Confidence Limit Error Magnification	
	Inverse Isochron	335.70 ± 21.27 ± 6.34%	0.08742 ± 0.00737 ± 8.43%	260.3 ± 21.9 ± 8.43% Full External Error ± 25.8 Analytical Error ± 21.9	1.35 12% 1.58 1.1631	99.26 26 2σ Confidence Limit Error Magnification Spreading Factor	
							
							

Excess 40/36 = 333.99 ± 3.20 (%SD).