

Sample Information								Results		Plateau								Normal Isochron						Inverse Isochron						Total Fusion			
Experiment Number	Sample Name	Experiment Type	Extraction Method	IGSN	Material	Location	Irradiation Name (Position)	Age Type	Age Interpretation	Age ± 2σ (i)	± 2σ (f)	<sup>39</sup> Ar	K/Ca ± 2σ	MSWD	P	n	N	Age ± 2σ (i)	± 2σ (f)	<sup>40</sup> Ar/ <sup>36</sup> Ar ± 2σ intercept	MSWD	P		Age ± 2σ (i)	± 2σ (f)	<sup>40</sup> Ar/ <sup>36</sup> Ar ± 2σ intercept	SF	MSWD	P		Age ± 2σ (i)	± 2σ (f)	K/Ca ± 2σ
23G09459	4A22-3	Incremental Heating	Bulk Laser Heating		HORNBLENDE	Hunters, Northeast Washington	23-OSU-01 (1818-23)	Plateau	Crystallization Age	51.89 ± 0.10 Ma	± 2.68 Ma	70 %	0.095 ± 0.001	1.21	28 %	10	28	51.78 ± 0.20 Ma	± 2.68 Ma	323.62 ± 44.32	1.17	31 %		51.79 ± 0.21 Ma	± 2.68 Ma	322.68 ± 44.18	1 %	1.19	30 %		51.92 ± 0.10 Ma	± 2.68 Ma	0.095 ± 0.000
23G09525	9J22-3	Incremental Heating	Bulk Laser Heating		HORNBLENDE	Hunters, Northeast Washington	23-OSU-01 (1813-23)	Plateau	Crystallization Age	51.55 ± 0.10 Ma	± 2.66 Ma	99 %	0.084 ± 0.001	0.95	53 %	22	30	51.50 ± 0.10 Ma	± 2.66 Ma	305.02 ± 5.02	0.95	53 %		51.52 ± 0.10 Ma	± 2.66 Ma	302.55 ± 5.02	12 %	0.87	63 %		51.61 ± 0.10 Ma	± 2.67 Ma	0.085 ± 0.000
23G09570	4A22-8	Incremental Heating	Bulk Laser Heating		HORNBLENDE	Hunters, Northeast Washington	23-OSU-01 (1816-23)	Plateau	Crystallization Age	51.50 ± 0.10 Ma	± 2.66 Ma	95 %	0.090 ± 0.001	1.18	26 %	22	30	50.96 ± 0.27 Ma	± 2.64 Ma	370.74 ± 29.44	18.15	0 %		51.50 ± 0.11 Ma	± 2.66 Ma	312.22 ± 8.13	14 %	1.56	5 %		51.52 ± 0.10 Ma	± 2.66 Ma	0.089 ± 0.000
23G09632	15A22-1	Incremental Heating	Bulk Laser Heating		HORNBLENDE	Hunters, Northeast Washington	23-OSU-01 (1824-23)	Plateau	Crystallization Age	51.94 ± 0.09 Ma	± 2.68 Ma	83 %	0.103 ± 0.000	1.44	15 %	12	30	51.84 ± 0.13 Ma	± 2.68 Ma	320.51 ± 18.84	0.85	58 %		51.82 ± 0.13 Ma	± 2.68 Ma	323.83 ± 18.81	2 %	0.85	58 %		51.97 ± 0.09 Ma	± 2.68 Ma	0.102 ± 0.000
23G09677	6A22-6	Incremental Heating	Bulk Laser Heating		PLAGIOCLASE	Hunters, Northeast Washington	23-OSU-01 (1814-23)	Mini Plateau	Crystallization Age	52.12 ± 0.14 Ma	± 2.69 Ma	30 %	0.097 ± 0.002	1.33	16 %	18	30	52.24 ± 0.62 Ma	± 2.77 Ma	279.40 ± 77.39	1.51	9 %		52.06 ± 0.65 Ma	± 2.76 Ma	305.78 ± 82.28	4 %	1.41	13 %		52.76 ± 0.10 Ma	± 2.72 Ma	0.099 ± 0.000
23G09740	3A22-7	Incremental Heating	Bulk Laser Heating		PLAGIOCLASE	Hunters, Northeast Washington	23-OSU-01 (1822-23)	Mini Plateau	Crystallization Age	52.01 ± 0.11 Ma	± 2.69 Ma	37 %	0.056 ± 0.001	0.99	47 %	19	30	52.27 ± 0.20 Ma	± 2.71 Ma	261.78 ± 29.45	2.85	0 %		52.01 ± 0.15 Ma	± 2.69 Ma	298.74 ± 18.60	19 %	1.05	40 %		51.78 ± 0.10 Ma	± 2.67 Ma	0.054 ± 0.000
23G09786	4A22-3	Incremental Heating	Bulk Laser Heating		GROUNDMASS	Hunters, Northeast Washington	23-OSU-01 (1819-23)	Mini Plateau	Crystallization Age	51.61 ± 0.11 Ma	± 2.67 Ma	24 %	0.894 ± 0.220	0.60	80 %	10	31	51.60 ± 0.21 Ma	± 2.67 Ma	294.06 ± 3.55	3.59	0 %		51.61 ± 0.21 Ma	± 2.67 Ma	293.99 ± 3.54	19 %	3.59	0 %		52.17 ± 0.10 Ma	± 2.69 Ma	1.076 ± 0.001
23G09850	3A22-8	Incremental Heating	Bulk Laser Heating		GROUNDMASS	Hunters, Northeast Washington	23-OSU-01 (1821-23)	Mini Plateau	Crystallization Age	52.19 ± 0.09 Ma	± 2.70 Ma	39 %	1.047 ± 0.226	0.82	65 %	15	27	52.20 ± 0.10 Ma	± 2.70 Ma	186.69 ± 7.27	1.05	40 %		52.19 ± 0.10 Ma	± 2.70 Ma	188.07 ± 7.19	4 %	1.03	41 %		52.74 ± 0.09 Ma	± 2.72 Ma	1.108 ± 0.001
23G09891	14A22-2A	Incremental Heating	Bulk Laser Heating		MUSCOVITE	Hunters, Northeast Washington	23-OSU-01 (1828-23)	Plateau	Metamorphic Age	71.64 ± 0.13 Ma	± 3.69 Ma	60 %	-708.583 ± 1537.377	0.85	66 %	24	42	71.55 ± 0.16 Ma	± 3.69 Ma	314.74 ± 17.30	0.77	76 %		71.57 ± 0.16 Ma	± 3.69 Ma	312.27 ± 17.28	4 %	0.78	75 %		71.45 ± 0.13 Ma	± 3.68 Ma	63.013 ± 6.392
23G09966	14A22-5	Incremental Heating	Bulk Laser Heating		BIOTITE	Hunters, Northeast Washington	23-OSU-01 (1827-23)	Plateau	Eruption Age	95.07 ± 0.18 Ma	± 4.88 Ma	74 %	31.276 ± 4.028	2.24	0 %	17	41	95.00 ± 0.19 Ma	± 4.88 Ma	312.66 ± 15.21	2.47	0 %		94.98 ± 0.20 Ma	± 4.88 Ma	315.68 ± 15.24	5 %	2.50	0 %		94.91 ± 0.17 Ma	± 4.87 Ma	34.559 ± 1.598
23G10040	13A22-2	Incremental Heating	Bulk Laser Heating		MUSCOVITE	Hunters, Northeast Washington	23-OSU-01 (1829-23)	Plateau	Metamorphic Age	99.02 ± 0.21 Ma	± 5.08 Ma	99 %	-119.111 ± 245.645	8.15	0 %	29	36	99.36 ± 0.28 Ma	± 5.10 Ma	259.90 ± 28.41	13.07	0 %		99.06 ± 0.25 Ma	± 5.09 Ma	293.11 ± 22.83	7 %	8.38	0 %		98.93 ± 0.18 Ma	± 5.08 Ma	177.972 ± 37.279
23G10091	12A22-3	Incremental Heating	Bulk Laser Heating		MUSCOVITE	Hunters, Northeast Washington	23-OSU-01 (1830-23)	Plateau	Metamorphic Age	81.92 ± 0.75 Ma	± 4.28 Ma	90 %	224.784 ± 182.457	1.79	1 %	23	36	85.57 ± 2.26 Ma	± 4.94 Ma	617.37 ± 364.26	0.00	0 %		80.66 ± 2.74 Ma	± 4.97 Ma	1507.20 ± 546.75	7 %	0.00	0 %		77.43 ± 1.49 Ma	± 4.25 Ma	94.846 ± 8.563
23G11120	3A22-7	Incremental Heating	Bulk Laser Heating		Biotite	Hunters, Northeast Washington	23-OSU-01 (1823-23)	Plateau	Crystallization Age	51.63 ± 0.10 Ma	± 2.67 Ma	69 %	14.455 ± 2.331	1.28	22 %	14	42	51.66 ± 0.15 Ma	± 2.67 Ma	240.98 ± 7.18	3.59	0 %		51.63 ± 0.15 Ma	± 2.67 Ma	243.11 ± 7.06	8 %	3.48	0 %		51.74 ± 0.11 Ma	± 2.67 Ma	12.189 ± 0.169
23G11199	4A22-3	Incremental Heating	Bulk Laser Heating		Biotite	Hunters, Northeast Washington	23-OSU-01 (1817-23)	Plateau	Crystallization Age	52.06 ± 0.10 Ma	± 2.69 Ma	77 %	12.533 ± 3.557	3.64	0 %	16	42	51.90 ± 0.14 Ma	± 2.68 Ma	378.61 ± 15.02	5.52	0 %		51.94 ± 0.14 Ma	± 2.68 Ma	374.15 ± 14.79	5 %	5.38	0 %		51.76 ± 0.10 Ma	± 2.67 Ma	8.851 ± 0.068
23G11278	15A22-1	Incremental Heating	Bulk Laser Heating		Groundmass	Hunters, Northeast Washington	23-OSU-01 (1826-23)	Mini Plateau	Crystallization Age	50.10 ± 0.10 Ma	± 2.59 Ma	37 %	1.227 ± 0.046	1.94	7 %	7	27	49.81 ± 2.15 Ma	± 3.36 Ma	306.05 ± 56.44	2.49	3 %		49.81 ± 2.14 Ma	± 3.34 Ma	306.21 ± 56.07	1 %	2.48	3 %		49.16 ± 0.09 Ma	± 2.54 Ma	1.290 ± 0.001