

PLATE 1: GEOLOGIC MAP OF PELONA SCHIST ON CENTRAL BLUE RIDGE, EASTERN SAN GABRIEL MOUNTAINS, SOUTHERN CALIFORNIA

(Compiled from mapping by Manker and Nourse, 2018-2022; Nourse, 1993, 2001; Nourse with GSC 5030L and GSC 4910L students, 2013; Ehlig and Dibblee, 1967; Dibblee and Minch 2002; Coffey et al., 2019)

Base Maps: USGS (US topo) Mescal Creek and Mount San Antonio, Ca 7.5' Quadrangles, 2018

LEGEND

- Fill Color**
- Grayschist - muscovite rich
 - Grayschist - chlorite rich
 - Grayschist - weathers yellowish brown
 - Greenschist - actinolite rich
 - Calc-silicate gneiss
 - Mafic schist - hornblende rich
 - Spotted mafic schist
 - Banded grayschist - mscovite rich
 - Banded grayschist - chlorite rich
 - Banded greenschist - actinolite rich
 - Metachert
 - N/A Pelona schist of Blue Ridge (undifferentiated)
- Observed Outcrop**
- Grayschist - muscovite rich
 - Grayschist - chlorite rich
 - Grayschist - weathers yellowish brown
 - Greenschist - actinolite rich
 - Calc-silicate gneiss
 - Mafic schist - hornblende rich
 - Spotted mafic schist
 - Banded grayschist - mscovite rich
 - Banded grayschist - chlorite rich
 - Banded greenschist - actinolite rich
 - Metachert
 - N/A Pelona schist of Blue Ridge (undifferentiated)

- Previous Work (Incorporated)**
- Qal Quaternary alluvium (undifferentiated)
 - PeNv Pg-eNg Vasquez Formation (undifferentiated)
 - My Mylonite
 - Mzgr Mesozoic granitic intrusive
 - BR218 and 98-240 Detrital zircon sample (Grove et al, 2003; Jacobson et al, 2011)
 - Foliation (Dibblee, 1967; Ehlig, 1967 - unpublished)
 - Foliation (Dibblee and Minch, 2002 - measured)
 - Foliation (Dibblee and Minch, 2002 - approximated?)
 - Overturned fold (Dibblee and Minch, 2002)
 - Plunging Anticline (Dibblee and Minch, 2002)

- Stereonet Compilations from Sub-Areas**
- Stereonets with axial planes = Fold solution with axial plane and poles to foliations; trend and plunge of fold hinge
 - Stereonets without axial planes = poles to foliation of boxed area

- Cross Section Line**
- A-A'
- Composite Section Line**
- TC-1
 - TC-2

- Other Symbols**
- JNCM1947 Detrital zircon sample
 - JN2058 Thin section sample
 - Foliation (Nourse and Manker 2018-2022; Nourse and students, 1993-2013)
 - Overturned fold (synform or antiform)
 - Fault trace
 - North-trending syn-metamorphic fold hinge: Late Cretaceous-early Tertiary
 - West-northwest-trending Miocene(?) fold hinge

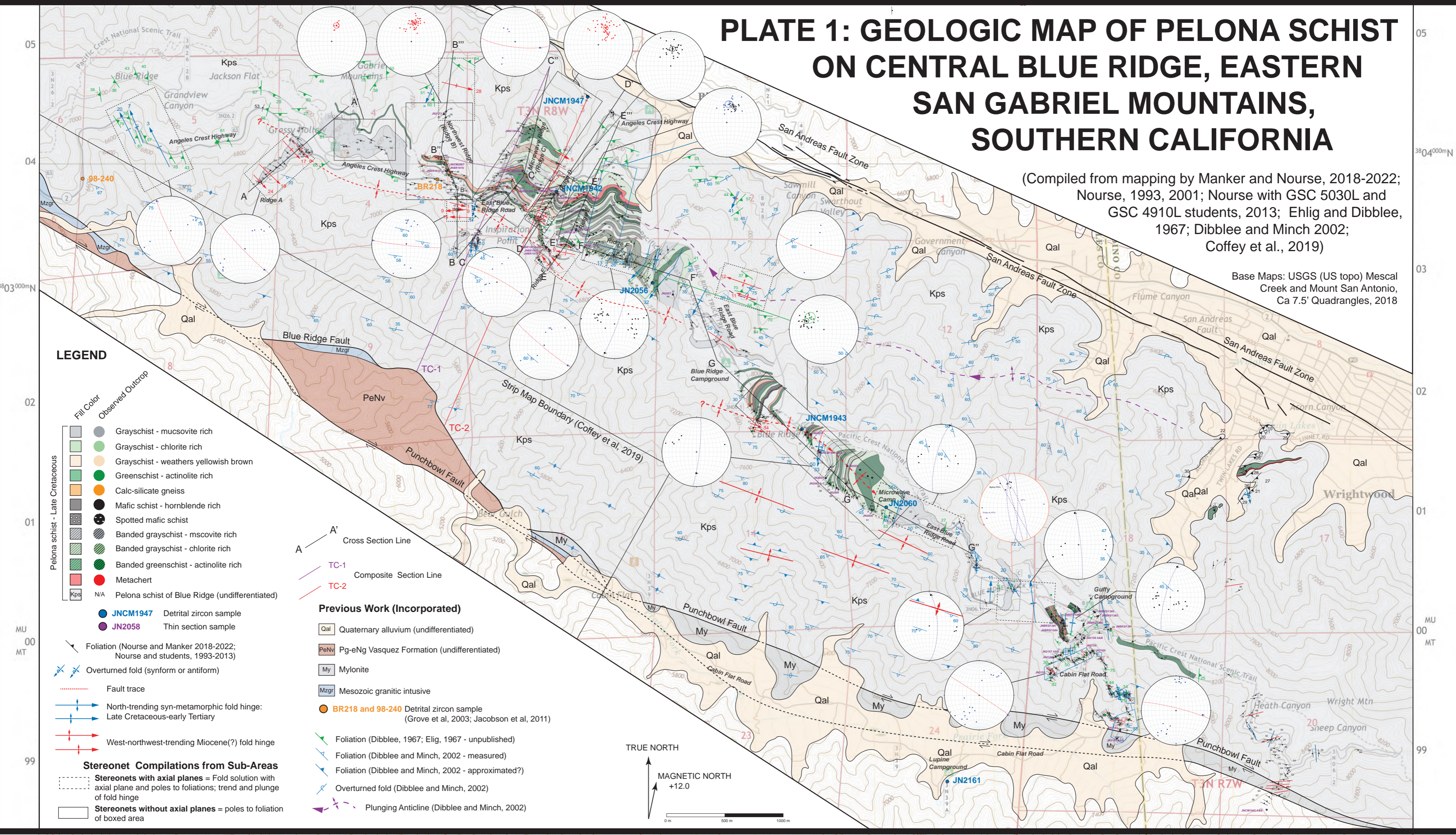
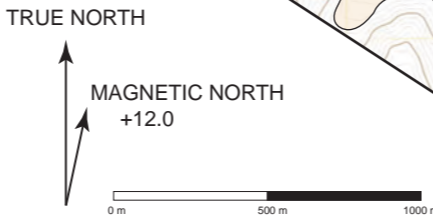
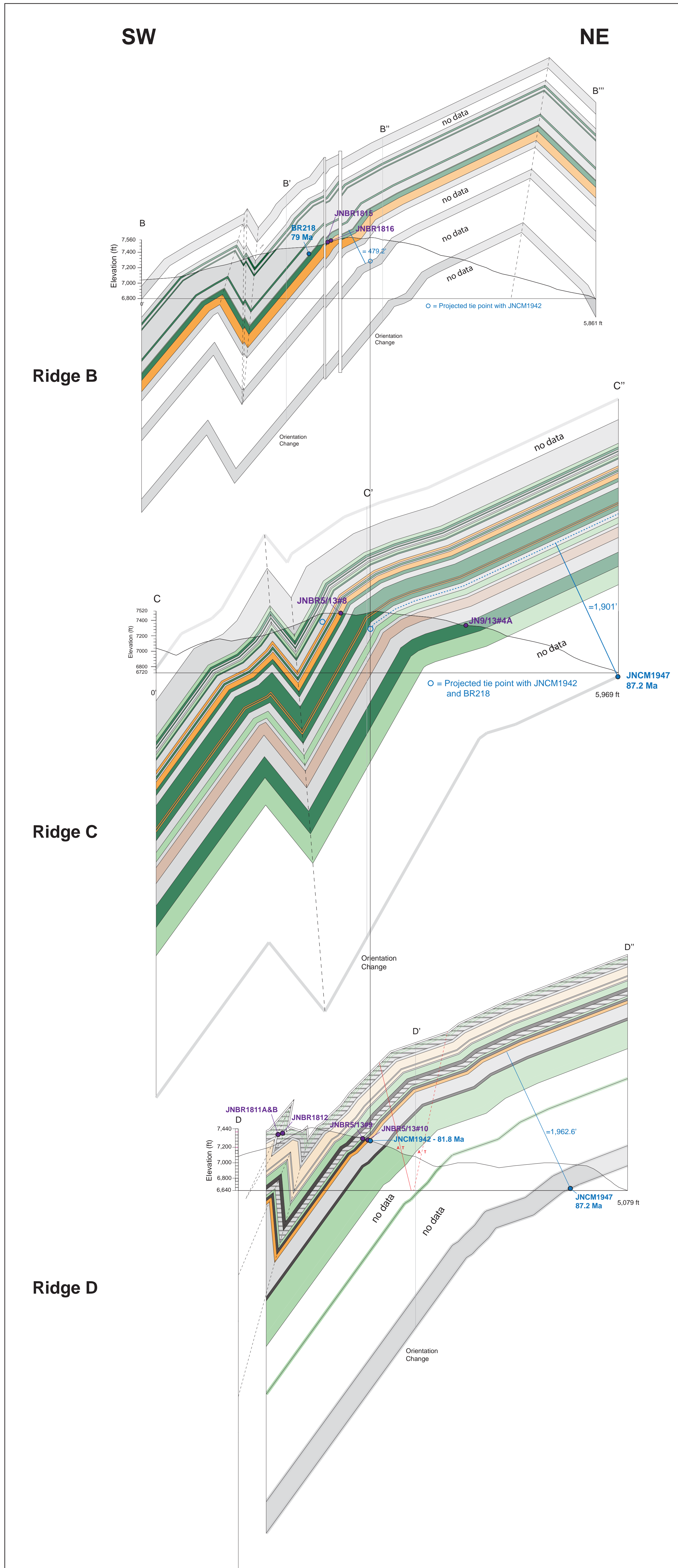


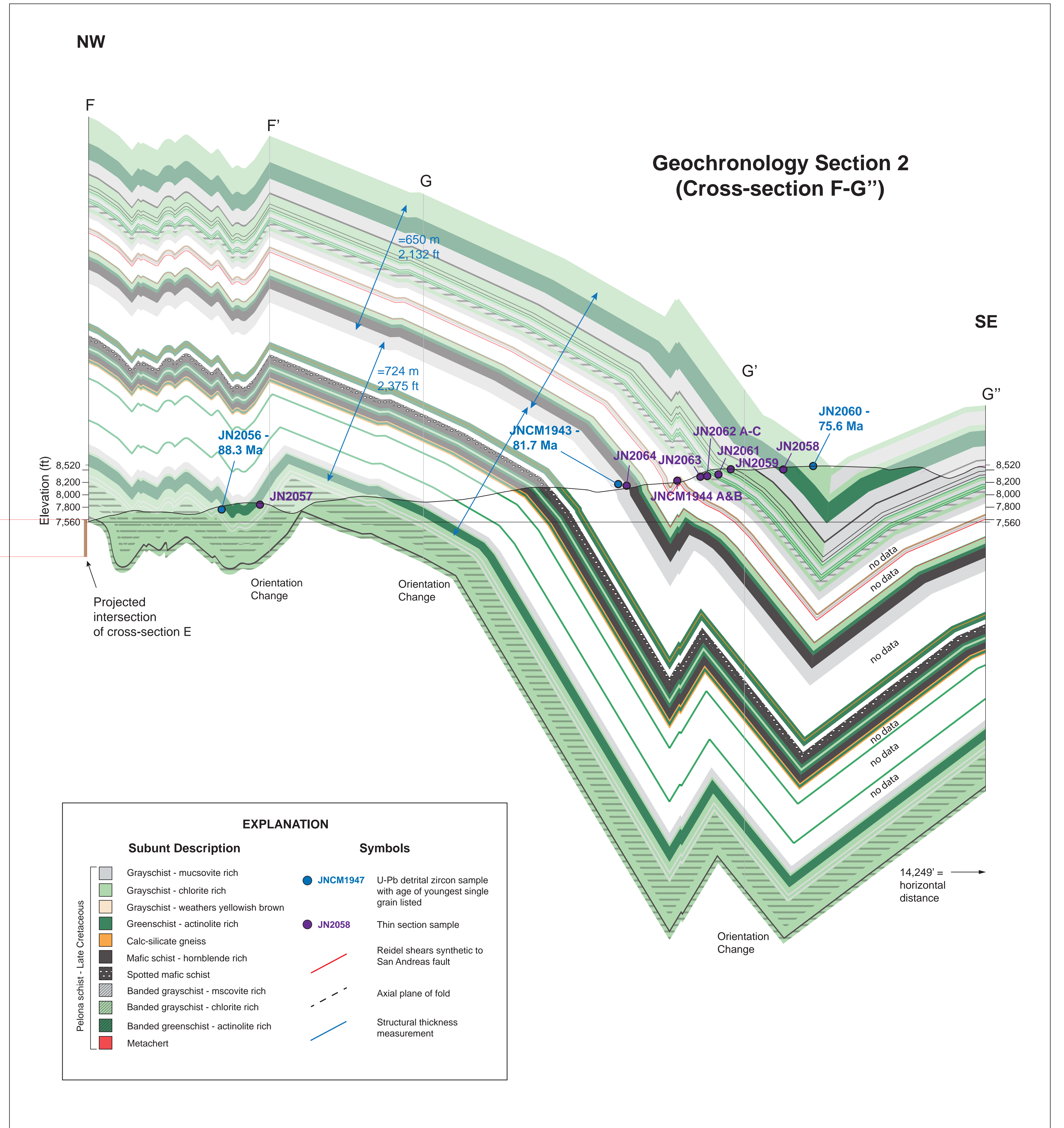
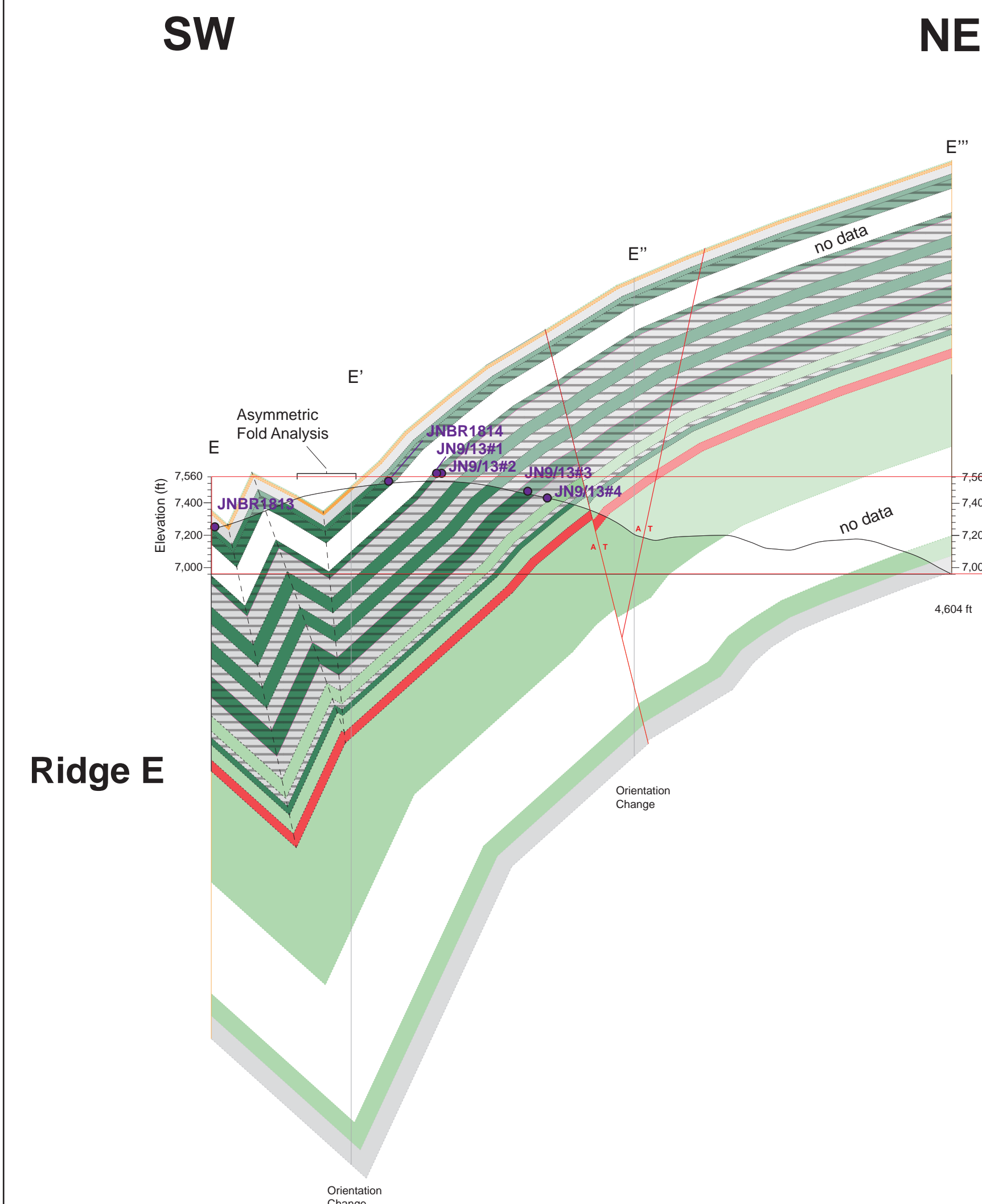
PLATE 2: CROSS-SECTIONS AND GEOCHRONOLOGY SECTIONS OF PELONA SCHIST ON CENTRAL BLUE RIDGE, EASTERN SAN GABRIEL MOUNTAINS, CALIFORNIA, USA



Composite Geochronology Section 1 (Cross-Sections B, C, D)

Ridges B, C, and D were tied together in plan view by projecting a line from geochronology sample site JNCM1942 (cross-section D) along mapped changes in strike to cross-section C and then to cross-section B. Cross-sections to the left are arranged SW to NE by a vertical tie line which corresponds to the horizontal tie line points discussed above.

Note: Cross-section A was not completed in this study due to time constraints, as this section presented no significant contribution other than fold geometry.



Geochronology Section 2 (Cross-section F-G'')

CROSS-SECTION CONSTRUCTION METHODS

Cross-sections were constructed with the goal of maintaining subunit thickness throughout folding to ensure the accurate measurement of structural thickness between geochronology samples. Methods used in construction included: 1) the calculation of apparent dips for all structural measurements not perpendicular to the cross-section line. 2) Axial planes of folds were determined by bisecting the angle between apparent dip reversals. 3) Large scale shallow curvature of the sections were determined geometrically by bisecting the change in dip angle values and determining an axial plane angle of the curvature. This ensured that subunit thickness could be maintained. As the goal of balanced geometry of the cross-sections for this study was achieved, cross-sections were left angular due to time constraints.

EXPLANATION	
Subunit Description	Symbols
Grayschist - muscovite rich	JNCM1947 U-Pb detrital zircon sample with age of youngest single grain listed
Grayschist - chlorite rich	JN2058 Thin section sample
Grayschist - weathers yellowish brown	Reidel shears synthetic to San Andreas fault
Greenschist - actinolite rich	Axial plane of fold
Calc-silicate gneiss	Structural thickness measurement
Mafic schist - hornblende rich	
Spotted mafic schist	
Banded grayschist - muscovite rich	
Banded grayschist - chlorite rich	
Banded greenschist - actinolite rich	
Metachert	

Table 2. U-Pb isotopic data from Blue Ridge: All analyses performed on the ICP-MS at CSUN. Data reduction by Joshua Schwartz

Sample name/ Spot number	U (ppm)	U/Th	207Pb/ 235U	2 sigma abs	206Pb/ 238U	2 sigma abs	206Pb/238U vs 207Pb/235U error corr	238U 206Pb	2 sigma abs	207Pb 206Pb	2 sigma abs	207Pb/206Pb vs 238U/206Pb error corr	207/235 age Ma	1 sigma abs err Ma	206/238 age Ma	1 sigma abs err Ma	207/206 age Ma	1 sigma abs err Ma	Best age age† Ma	1 sigma abs err Ma	% discordance	
																					6/8 vs. 7/5	6/8 vs. 7/6
JN 2060: Metagraywacke from Microwave Camp, analyzed August 2020																						
JN2060_83	414.4	1.5	0.078959	0.002526	0.011826	0.000203	0.131248914	84.74	1.45	0.04807	0.00164	0.13	76.4	1.3	75.6	0.6	102	40	75.6	0.6	26	1
JN2060_72	1268.4	2.2	0.078117	0.002187	0.012078	0.000209	0.269808642	82.99	1.45	0.04688	0.00136	0.27	76.1	1.1	77.2	0.7	42	35	77.3	0.7	-84	-1
JN2060_82	533.1	1.2	0.113101	0.012904	0.012292	0.000204	0.521679871	81.52	1.35	0.06578	0.00695	0.52	107.1	5	78.6	0.6	798	111	77.3	0.6	90	27
JN2060_79	400.4	1.3	0.087147	0.003458	0.012198	0.000249	0.341475412	82.23	1.64	0.05153	0.00199	0.34	84.1	1.5	77.9	0.8	264	44	77.6	0.8	70	7
JN2060_12	495.3	1.5	0.087886	0.004142	0.012228	0.000337	0.625761694	82.25	2.28	0.05102	0.00158	0.63	83.3	1	77.9	1.1	241	36	77.7	1.1	68	6
JN2060_49	359.5	1.1	0.074817	0.003577	0.012224	0.000373	0.289374963	82.39	2.49	0.04562	0.00221	0.29	74.7	1.8	77.8	1.2	0.0	40	77.9	1.2	#####	-4
JN2060_64	600.5	1.8	0.080161	0.002326	0.012235	0.000309	0.366685424	82.14	2.07	0.04748	0.00148	0.37	77.8	1.2	78	1	72	37	78	1	-8	0
JN2060_61	311.7	1.2	0.074339	0.004386	0.012233	0.000277	0.342196323	82.06	1.78	0.04394	0.00242	0.34	72.3	1.8	78.1	0.8	0.0	50	78.3	0.8	#####	-8
JN2060_76	5943.3	8.3	0.091287	0.003481	0.012406	0.000276	0.519050142	80.91	1.76	0.05318	0.00177	0.52	88	1.2	79.2	0.9	335	38	78.8	0.8	76	10
JN2060_16	67.6	0.8	0.094162	0.009113	0.012487	0.000363	0.048742134	80.59	2.26	0.05520	0.00548	0.05	91.6	4.5	79.5	1.1	419	111	78.9	1.1	81	13
JN2060_4	645.8	1.7	0.085885	0.002906	0.012404	0.000311	0.259988004	80.99	1.98	0.04914	0.00176	0.26	81.5	1.5	79.1	1	153	42	79	1	48	3
JN2060_38	612.7	1.7	0.087825	0.003547	0.012425	0.000243	0.218046411	80.72	1.55	0.05031	0.00202	0.22	83.7	1.6	79.4	0.8	209	47	79.2	0.8	62	5
JN2060_84	2821.1	2.1	0.091569	0.002401	0.012486	0.000292	0.535253738	80.42	1.86	0.05278	0.00126	0.54	87.9	1	79.7	0.9	318	27	79.3	0.9	75	9
JN2060_44	533.1	1.7	0.084222	0.002737	0.012475	0.000294	0.485707425	80.49	1.84	0.04878	0.00164	0.49	81.4	1.2	79.6	0.9	136	40	79.5	0.9	41	2
JN2060_54	2331.9	0.6	0.07708	0.003006	0.012683	0.000512	0.812604561	78.92	3.10	0.04491	0.00115	0.81	76.7	0.9	81.2	1.6	0.0	20	81.4	1.6	#####	-6
JN2060_26	249.3	2.3	0.086749	0.003643	0.01285	0.000284	0.372435298	78.11	1.70	0.04938	0.00199	0.37	84.8	1.5	82	0.9	165	47	81.9	0.9	50	3
JN2060_85	7946.1	149.2	0.085468	0.001335	0.012838	0.000159	0.611716561	77.98	0.96	0.04831	0.00052	0.61	83.2	0.4	82.1	0.5	113	13	82.1	0.5	27	1
JN2060_43	236.5	1.6	0.141199	0.02778	0.01325	0.000296	0.526961327	75.76	1.68	0.07468	0.01356	0.53	129	10	84.5	0.9	1059	183	82.5	0.9	92	34
JN2060_2	1410.5	3.8	0.090028	0.002188	0.013003	0.000311	0.603839977	77.24	1.77	0.04925	0.00107	0.60	85.5	0.8	82.9	0.9	159	25	82.8	0.9	48	3
JN2060_40	618.1	1.8	0.09272	0.003696	0.013076	0.000398	0.719989169	76.98	2.22	0.05034	0.00143	0.72	87.6	0.9	83.2	1.2	210	33	83	1.2	60	5
JN2060_21	1770.6	5.4	0.084678	0.002403	0.013068	0.000258	0.403283493	76.76	1.55	0.04744	0.00135	0.40	83	1.1	83.4	0.8	70	34	83.5	0.8	-19	0
JN2060_48	629.1	2.3	0.075392	0.003021	0.013045	0.000219	0.265163751	76.82	1.33	0.04296	0.00169	0.27	75.4	1.4	83.4	0.7	0.0	30	83.7	0.7	#####	-11
JN2060_22	62.5	2.0	0.093956	0.010812	0.013229	0.000368	0.034573531	76.01	2.02	0.05218	0.00622	0.03	91.8	5.3	84.3	1.1	292	136	83.9	1.1	71	8
JN2060_53	67.2	1.1	0.106873	0.009397	0.013366	0.000421	0.468166503	75.37	2.27	0.05888	0.00466	0.47	103.8	3.5	85	1.3	562	86	84.1	1.2	85	18
JN2060_58	1402.0	1.2	0.074791	0.002017	0.013097	0.000261	0.289283738	76.58	1.55	0.04172	0.00119	0.29	73.5	1.1	83.6	0.8	0.0	20	84.1	0.8	#####	-14
JN2060_35	901.7	1.3	0.09316	0.003004	0.013244	0.000261	0.453780526	75.72	1.45	0.05027	0.00144	0.45	88.9	1.1	84.6	0.8	207	33	84.4	0.8	59	5
JN2060_36	94.5	0.1	1.104307	0.070581	0.01968	0.000697	0.752535254	51.31	1.84	0.39856	0.01767	0.75	739	7.7	124.4	2.2	3903	33	84.6	1	97	83
JN2060_66	165.7	0.7	0.745476	0.095431	0.01757	0.001035	0.967624094	58.02	2.51	0.30077	0.01982	0.97	547.4	5.6	110.2	2.4	3474	51	84.7	1.4	97	80
JN2060_8	1474.0	1.2	0.091011	0.002915	0.013375	0.000414	0.813603709	75.30	2.31	0.04841	0.00094	0.81	86.2	0.8	85	1.3	118	23	85	1.3	28	1
JN2060_10	999.0	2.3	0.091558	0.003032	0.013362	0.000262	0.502977212	75.06	1.47	0.04892	0.00142	0.50	87.3	1.1	85.3	0.8	143	34	85.2	0.8	40	2
JN2060_51	505.2	2.7	0.077712	0.002318	0.013295	0.000282	0.32388481	75.48	1.67	0.04343	0.00133	0.32	77.5	1.2	84.8	0.9	0.0	30	85.2	0.9	#####	-9
JN2060_34	632.8	2.1	0.091325	0.003228	0.013425	0.000323	0.489563621	74.82	1.86	0.04877	0.00158	0.49	87.3	1.2	85.6	1.1	136	38	85.5	1.1	37	2
JN2060_6	310.6	2.5	0.096108	0.004702	0.013763	0.000327	0.6301748	72.99	1.79	0.04938	0.00188	0.63	90.5	1.3	87.7	1.1	165	44	87.6	1.1	47	3
JN2060_56	370.9	1.6	0.080794	0.003606	0.01377	0.000333	0.566956664	72.94	1.78	0.04298	0.00158	0.57	79.3	1.2	87.8	1.1	0.0	30	88.2	1.1	#####	-11
JN2060_81	241.3	1.0	0.277587	0.20196	0.015793	0.002739	0.993912354	69.68	5.05	0.08649	0.03037	0.99	160	21	91.9	3.3	1348	339	88.6	3.1	93	43
JN2060_71	278.6	5.6	0.091845	0.00456	0.013984	0.000258	0.20019925	71.70	1.34	0.04760	0.00233	0.20	88.9	2.1	89.3	0.8	79	58	89.3	0.8	-13	0
JN2060_46	258.3	4.5	0.088794	0.005091	0.014203	0.000582	0.588810244	71.35	3.02	0.04645	0.00223	0.59	87.2	1.7	89.7	1.9	20	58	89.8	1.9	-349	-3
JN2060_32	225.9	2.5	0.102571	0.004923	0.014178	0.000345	0.158010929	70.85	1.76	0.05220	0.00267	0.16	98.2	2.5	90.4	1.1	293	58	90	1.1	69	8

JN2060_63	108.6	1.8	0.096569	0.009907	0.014603	0.000425	0.831018851	68.92	1.99	0.04789	0.00473	-0.83	92.9	5.5	92.9	1.3	93	117	92.9	1.3	0	0
JN2060_31	407.1	2.2	0.099328	0.003158	0.014601	0.000331	0.488846401	68.77	1.63	0.04911	0.00139	0.49	95.3	1.2	93.1	1.1	152	33	93	1.1	39	2
JN2060_69	519.0	1.6	0.091279	0.002941	0.014594	0.000289	0.215868787	68.74	1.44	0.04533	0.00158	0.22	88.3	1.5	93.1	1	0.0	30	93.3	1	#####	-5
JN2060_65	6933.8	2.4	0.090809	0.002143	0.014619	0.000332	0.695313272	68.67	1.55	0.04493	0.00082	0.70	87.7	0.7	93.2	1	0.0	20	93.4	1	#####	-6
JN2060_20	440.1	2.2	0.094075	0.003161	0.014561	0.000323	0.437008838	68.52	1.67	0.04698	0.00154	0.44	91.7	1.4	93.4	1.1	47	39	93.5	1.1	-99	-2
JN2060_11	49.8	2.6	0.116648	0.01156	0.014859	0.000437	0.33827248	67.75	2.04	0.05611	0.00504	0.34	109.7	4.4	94.5	1.4	456	100	93.8	1.4	79	14
JN2060_39	73.7	0.8	0.112852	0.009633	0.014876	0.000466	0.183657088	67.73	2.16	0.05447	0.00528	-0.18	106.7	5.4	94.5	1.5	389	109	93.9	1.5	76	11
JN2060_28	118.4	1.6	0.350884	0.266377	0.018881	0.004906	0.870397827	64.52	8.18	0.10244	0.03052	0.87	201	18	99.2	6.2	1668	275	94.2	5.6	94	51
JN2060_13	922.9	1.9	0.1438	0.052965	0.014966	0.001303	0.969909512	66.58	5.46	0.05764	0.00955	0.97	114.4	4.8	96.1	3.9	515	182	95.2	3.8	81	16
JN2060_3	494.7	1.7	0.103768	0.004402	0.015113	0.000454	0.498618402	66.63	2.07	0.04946	0.00220	0.50	98.9	1.9	96	1.5	169	52	95.9	1.5	43	3
JN2060_19	915.2	7.8	0.572073	0.302267	0.02116	0.004709	0.962519542	61.45	8.97	0.12779	0.04489	0.96	256	24	104.1	7.5	2067	310	96.5	6.5	95	59
JN2060_55	255.0	1.5	0.087469	0.003791	0.01518	0.000262	0.224280608	66.02	1.13	0.04236	0.00184	0.22	86	1.8	96.9	0.8	0.0	40	97.4	0.8	#####	-13
JN2060_33	1523.8	8.5	0.139286	0.019074	0.016135	0.001293	0.897185329	64.43	4.20	0.06196	0.00348	0.90	126.4	1.7	99.3	3.2	672	60	98	3.1	85	21
JN2060_7	548.2	2.0	0.108225	0.003703	0.015438	0.000297	0.345664721	64.96	1.29	0.04976	0.00164	0.35	101.9	1.6	98.5	1	183	38	98.3	1	46	3
JN2060_23	735.0	12.2	0.110932	0.029764	0.01598	0.001658	0.008319706	64.90	5.14	0.04864	0.00558	0.01	99.8	6.6	98.6	3.9	129	135	98.5	3.9	24	1
JN2060_5	3605.0	31.9	0.10693	0.00308	0.015602	0.000467	0.795344687	64.50	1.82	0.04859	0.00091	0.80	100.3	0.8	99.2	1.4	127	22	99.1	1.4	22	1
JN2060_30	1934.6	3.7	0.103907	0.003588	0.015652	0.000568	0.764741996	64.51	2.23	0.04828	0.00121	0.76	99.7	1.1	99.2	1.7	112	30	99.1	1.7	11	1
JN2060_42	93.8	0.1	1.661769	0.244174	0.025737	0.002184	0.961566702	40.85	3.12	0.44270	0.03064	0.96	927.8	6.5	155.9	5.9	4060	52	99.9	2.4	96	83
JN2060_73	1070.2	3.4	0.103898	0.002194	0.015894	0.000302	0.152684986	63.09	1.21	0.04741	0.00123	0.15	100.1	1.4	101.4	1	69	31	101.4	1	-47	-1
JN2060_47	235.1	2.4	0.122243	0.005079	0.019722	0.00049	0.177240247	50.95	1.29	0.04617	0.00200	0.18	119.5	2.6	125.3	1.6	5.2	52.2	125.6	1.6	-2310	-5
JN2060_86	769.7	1.4	0.148867	0.003843	0.020216	0.00054	0.568413052	49.74	1.37	0.05268	0.00105	0.57	138.4	1.5	128.3	1.7	314	23	127.8	1.7	59	7
JN2060_29	261.3	3.2	0.133807	0.006691	0.021158	0.001014	0.755026022	48.14	2.47	0.04613	0.00155	0.76	125.9	2	132.5	3.4	3.2	40.4	132.8	3.4	-4041	-5
JN2060_41	3117.6	2.6	0.226604	0.006947	0.021754	0.000607	0.743006466	46.25	1.31	0.07403	0.00157	0.74	202.4	1.7	137.9	1.9	1041	21	134.7	1.8	87	32
JN2060_75	505.6	0.6	0.155715	0.005564	0.022617	0.000506	0.464259829	44.38	0.97	0.04982	0.00161	0.46	146.1	2	143.7	1.6	186	38	143.5	1.6	23	2
JN2060_25	82.1	2.0	0.152551	0.009901	0.023047	0.000526	0.163619188	43.57	1.01	0.04843	0.00322	0.16	144.7	4.5	146.3	1.7	119	78	146.4	1.7	-23	-1
JN2060_78	169.9	0.6	0.187581	0.014698	0.023458	0.000659	0.702144074	42.87	1.16	0.05739	0.00346	0.70	171.9	3.6	148.6	2	506	66	147.5	2	71	14
JN2060_57	172.7	0.3	0.145833	0.007422	0.023034	0.000408	0.215516476	43.29	0.88	0.04610	0.00235	0.22	139	3.3	147.2	1.5	1.6	61.4	147.6	1.5	-9100	-6
JN2060_45	325.0	1.7	0.165191	0.015368	0.024946	0.002133	0.939508876	42.69	4.15	0.04883	0.00161	0.94	148.6	4.6	149.3	7.2	139	39	149.3	7.2	-7	0
JN2060_15	351.6	2.9	0.167039	0.005774	0.024142	0.000569	0.408526455	41.60	0.97	0.05017	0.00166	0.41	156.1	2.3	153.1	1.8	202	38	153	1.8	24	2
JN2060_37	103.0	0.4	0.161319	0.010099	0.024465	0.000547	0.28167904	41.03	0.94	0.04697	0.00289	0.28	148.7	4.1	155.2	1.8	46	73	155.5	1.8	-237	-4
JN2060_17	136.1	2.0	0.263343	0.012523	0.032619	0.000946	0.384497135	30.86	0.90	0.05900	0.00269	0.38	237.5	4.6	205.6	3	566	50	203.9	2.9	64	13
JN2060_74	379.7	10.7	0.436625	0.086008	0.043084	0.007334	0.987648013	28.98	4.61	0.07076	0.00264	0.99	295	16	219	17	950	38	215	16	77	26
JN2060_80	396.5	1.8	0.314703	0.010172	0.041785	0.000763	0.520896618	23.99	0.44	0.05426	0.00146	0.52	275.5	2.8	263.2	2.4	381	30	262.6	2.4	31	4
JN2060_62	497.0	1.3	0.277756	0.007259	0.044166	0.000761	0.623038785	22.58	0.44	0.04520	0.00094	0.62	247.4	1.9	279.4	2.6	0.0	20	281.1	2.7	#####	-13
JN2060_68	9.7	18.2	34.18508	1.166208	0.329235	0.012173	0.748407035	3.07	0.12	0.75309	0.01856	0.75	3605	13	1818	30	4835	18	710.7	4.6	62	50
JN2060_60	101.5	4.3	1.530011	0.090251	0.149701	0.008409	0.899511026	6.86	0.43	0.07409	0.00200	0.90	926	12	877	26	1043	27	873	26	16	5
JN2060_14	14.1	5.8	103.4469	24.98381	0.9412	0.228585	0.997461668	1.83	0.45	0.79561	0.01327	1.00	4174	116	2814	283	4913	12	1045	38	43	33
JN2060_59	1532.9	29.5	3.315022	0.058345	0.270613	0.004769	0.657588861	3.70	0.06	0.08875	0.00115	0.66	1481.6	5.2	1541	12	1398	12	1398	12	-10	-4
JN2060_50	1402.1	4.9	4.060238	0.059518	0.319153	0.005883	0.658165034	3.14	0.06	0.09506	0.00143	0.66	1668.2	5.8	1782	14	1528	14	1528	14	-17	-7
JN2060_27	752.0	-0.1	10.11824	4.39241	0.725611	0.298345	0.993099518	2.82	0.66	0.09592	0.00617	0.99	1765	71	1957	196	1545	60	1545	60	-27	-11
JN2060_52	78.7	0.9	4.154118	0.095473	0.317363	0.00647	0.631408716	3.16	0.07	0.09697	0.00185	0.63	1679.3	7.1	1772	16	1566	18	1566	18	-13	-6
JN2060_77	813.0	29.7	4.814533	1.011025	0.33646	0.061513	0.961409666	3.32	0.45	0.09757	0.00279	0.96	1644	44	1697	101	1577	27	1577	27	-8	-3
JN2060_67	639.5	3.1	4.159366	0.07544	0.306043	0.005872	0.548481762	3.28	0.06	0.09838	0.00170	0.55	1661.8	7.1	1717	14	1593	16	1593	16	-8	-3

JN2060_1	926.7	11.5	3.470687	0.096423	0.247007	0.005655	0.605518587	4.06	0.09	0.10011	0.00223	0.61	1503.3	7.7	1418	14	1625	21	1625	21	13	6
JN2060_87	2054.3	5.8	4.03583	0.132316	0.280603	0.008228	0.88058344	3.55	0.09	0.10356	0.00174	0.88	1637.5	5.4	1598	18	1688	16	1688	16	5	2
JN2060_18	858.7	5.4	3.956987	0.108547	0.27795	0.007031	0.744629384	3.62	0.09	0.10403	0.00192	0.74	1627	7	1574	18	1696	17	1696	17	7	3
JN2060_70	316.2	2.2	4.321566	0.085134	0.297655	0.005383	0.646408283	3.37	0.06	0.10516	0.00165	0.65	1694	5.9	1676	13	1716	14	1716	14	2	1
JN2060_24	232.1	3.5	3.145036	0.20155	0.217231	0.012709	0.950134757	4.75	0.33	0.10557	0.00218	0.95	1423	19	1231	39	1724	19	1724	19	29	13
JN2060_9	394.0	2.5	3.654669	0.266748	0.241479	0.014955	0.962220857	4.28	0.30	0.10720	0.00229	0.96	1517	19	1354	43	1752	20	1752	20	23	11
JNCM1943: Metagraywacke from East Blue Ridge Road; analyzed July 2020																						
JNCM1943-4	0-6	2.2	343.0325	151.153	2.956312	1.840712	0.810196852	0.23	0.16	0.5372	0.1791	-0.05	5866	398	10809	1823	4346	244	0.54	1823	-149	-84
JNCM1943-40	458.1	0.9	0.133517	0.01136	0.013175	0.00037	0.024989373	76.38	2.22	0.0724	0.0062	0.28	124.67	4.83	83.85	1.21	996.3	87	81.7	1.21	92	33
JNCM1943-44	236.8	2.0	0.099832	0.009201	0.013185	0.000392	0.005836798	76.36	2.26	0.0545	0.0052	0.25	95.27	4.21	83.87	1.23	391	107	83.3	1.23	79	12
JNCM1943-16	603.1	2.0	0.089697	0.003598	0.013413	0.000457	0.540493329	75.21	2.50	0.0485	0.0017	0.36	86.45	1.6	85.15	1.41	122.7	41.3	85.1	1.41	31	2
JNCM1943-14	305.7	2.1	0.087049	0.005677	0.013633	0.000345	0.412252287	73.71	1.89	0.0461	0.0028	-0.03	83.95	2.68	86.87	1.11	1.77	73.18	87	1.11	-4808	-3
JNCM1943-3	545.6	1.7	0.086256	0.005485	0.013756	0.000421	0.343242505	73.23	2.28	0.0457	0.0027	0.15	83.78	2.51	87.43	1.35	0.000065	54	87.6	1.35	#####	-4
JNCM1943-55	557.6	1.9	0.093478	0.003826	0.014057	0.000392	0.283639515	71.56	2.03	0.0480	0.0021	0.37	89.78	1.82	89.46	1.26	98.2	51.8	89.4	1.26	9	0
JNCM1943-6	2159.5	2.7	0.091926	0.003876	0.014046	0.000311	0.49052687	71.46	1.59	0.0475	0.0018	0.07	89	1.81	89.58	0.99	73.4	45	89.6	0.99	-22	-1
JNCM1943-72	751.2	1.9	0.094088	0.004475	0.014068	0.000354	0.265784894	71.42	1.77	0.0486	0.0023	0.24	91.02	2.08	89.63	1.1	127.5	55.7	89.6	1.1	30	2
JNCM1943-13	428.1	1.8	0.099198	0.005068	0.014158	0.000458	0.19703341	71.15	2.14	0.0511	0.0031	0.58	95.84	2.27	89.97	1.34	244.3	69.9	89.7	1.34	63	6
JNCM1943-39	260.1	1.9	0.099061	0.006882	0.014096	0.000274	0.403500972	71.16	1.43	0.0501	0.0032	-0.13	94.03	3.12	89.96	0.9	198.6	74.2	89.7	0.9	55	4
JNCM1943-23	518.5	2.0	0.093378	0.003177	0.014295	0.000397	0.219347896	70.37	1.98	0.0478	0.0019	0.52	90.87	1.51	90.96	1.27	88.3	47.1	91	1.27	-3	0
JNCM1943-1	2261.3	1.8	0.100331	0.003941	0.014461	0.000459	0.728770965	69.68	2.17	0.0506	0.0014	0.08	96.85	1.85	91.86	1.42	221.6	32	91.6	1.42	59	5
JNCM1943-48	314.5	1.7	0.100757	0.004866	0.014997	0.000446	0.311501868	67.13	1.97	0.0475	0.0018	0.26	94.48	1.87	95.32	1.39	73.4	45	95.4	1.39	-30	-1
JNCM1943-50	857.1	2.7	0.100396	0.003328	0.014937	0.000405	0.20707797	66.75	1.57	0.0484	0.0019	0.53	96.71	1.54	95.86	1.12	117.8	46.3	95.8	1.12	19	1
JNCM1943-2	575.3	2.4	0.101995	0.003986	0.015193	0.000341	0.302491528	66.08	1.48	0.0489	0.0019	0.27	98.61	1.84	96.82	1.08	142	45.6	96.7	1.08	32	2
JNCM1943-60	1179.1	2.6	0.101773	0.004169	0.015163	0.000443	0.454285607	65.80	1.64	0.0486	0.0019	0.26	98.43	1.9	97.23	1.2	127.5	46	97.2	1.2	24	1
JNCM1943-57	497.3	3.2	0.153223	0.019276	0.015603	0.000393	0.287051041	63.95	1.46	0.0706	0.0082	-0.09	143.81	8.07	100.02	1.13	945	119	97.7	1.13	89	30
JNCM1943-61	2249.2	2.0	0.102753	0.00289	0.015307	0.000251	0.524144081	65.47	1.07	0.0486	0.0012	0.06	98.9	1.36	97.72	0.79	127.5	29.1	97.7	0.79	23	1
JNCM1943-29	661.7	2.3	0.102408	0.004695	0.01573	0.000365	0.330372822	63.83	1.46	0.0479	0.0021	0.17	99.93	2.18	100.21	1.14	93.3	51.9	100.2	1.14	-7	0
JNCM1943-51	617.0	4.2	0.121192	0.008286	0.016086	0.00076	0.799086888	63.26	3.02	0.0539	0.0021	-0.21	112.74	3.61	101.11	2.39	365.9	43.9	100.5	2.39	72	10
JNCM1943-70	333.1	2.9	0.112904	0.007205	0.016033	0.000592	0.356125276	63.02	2.31	0.0512	0.0031	0.28	107.76	3.14	101.49	1.85	248.8	69.7	101.2	1.85	59	6
JNCM1943-43	736.0	1.8	0.106997	0.004136	0.015883	0.000286	0.190531781	63.12	1.18	0.0482	0.0019	0.28	101.6	1.87	101.33	0.94	108	46.6	101.3	0.94	6	0
JNCM1943-42	237.5	2.9	0.106004	0.006477	0.015961	0.000446	0.052338545	63.03	1.76	0.0477	0.0032	0.39	100.74	2.96	101.47	1.41	83.3	79.6	101.5	1.41	-22	-1
JNCM1943-27	485.5	3.0	0.102228	0.00347	0.015941	0.000383	0.363562992	63.00	1.46	0.0471	0.0016	0.33	99.57	1.62	101.52	1.17	53.2	40.5	101.6	1.17	-91	-2
JNCM1943-49	75.4	2.2	0.11996	0.012702	0.016191	0.000356	0.046221678	61.99	1.37	0.0533	0.0057	0.20	113.71	5.64	103.16	1.13	341	121	103	1.13	70	9
JNCM1943-15	232.2	4.7	0.136138	0.010072	0.016597	0.000584	0.5799158	60.84	2.17	0.0592	0.0035	-0.12	127.78	4.36	105.1	1.86	573.5	64.3	103.9	1.86	82	18
JNCM1943-33	1445.1	2.0	0.134764	0.01313	0.016594	0.000391	0.159943831	60.53	1.45	0.0598	0.0056	0.03	129.61	5.84	105.63	1.25	595	101	104	1.25	82	19
JNCM1943-37	143.7	1.7	0.128713	0.010583	0.016474	0.000376	0.381451916	60.95	1.38	0.0553	0.0042	0.06	119.63	4.4	104.91	1.18	423.4	84.7	104	1.18	75	12
JNCM1943-38	322.5	1.6	0.111088	0.008043	0.016413	0.000472	0.149833432	61.32	1.84	0.0486	0.0035	0.31	105.26	3.44	104.28	1.55	127.5	84.7	104.2	1.55	18	1
JNCM1943-41	184.9	2.7	0.111495	0.007124	0.017024	0.00033	0.009859382	58.91	1.14	0.0469	0.0032	0.28	105.71	3.29	108.51	1.04	43.1	81.6	108.7	1.04	-152	-3
JNCM1943-54	582.9	2.3	0.11874	0.005712	0.017465	0.000391	0.50824412	57.48	1.31	0.0489	0.0020	0.00	112.57	2.49	111.19	1.26	142	48	111.1	1.26	22	1
JNCM1943-36	152.4	2.0	0.123844	0.010963	0.018101	0.000446	0.041303736	55.52	1.45	0.0506	0.0047	0.24	120.14	5.11	115.08	1.49	222	107	115	1.49	48	4
JNCM1943-11	585.3	1.9	0.124372	0.002743	0.018184	0.00042	0.370530521	55.23	1.32	0.0491	0.0015	0.43	117.36	1.64	115.68	1.37	151.6	35.8	115.6	1.37	24	1
JNCM1943-9	633.9	2.0	0.127004	0.005419	0.01837	0.00035	0.250066398	54.59	1.05	0.0501	0.0021	0.18	120.93	2.44	117.02	1.12	198.6	48.7	116.8	1.12	41	3
JNCM1943-25	275.2	2.4	0.116329	0.005277	0.018373	0.00041	0.408159307	54.63	1.24	0.0464	0.0020	0.08	112.4	2.5	116.93	1.32	17.4	51.8	117.2	1.32	-572	-4

JNCM1943-56	123.9	2.6	0.122968	0.009692	0.019069	0.000434	0.271158859	52.64	1.13	0.0465	0.0036	0.02	116.65	4.4	121.31	1.29	22.5	92.9	121.6	1.29	-439	-4
JNCM1943-7	928.0	3.4	0.151438	0.006252	0.022016	0.000491	0.470581912	45.59	1.00	0.0498	0.0018	0.06	142.39	2.73	139.87	1.52	184.6	42.1	139.7	1.52	24	2
JNCM1943-19	1294.4	14.2	1.736309	0.10628	0.126273	0.008078	0.939136179	8.19	0.54	0.1001	0.0021	0.43	1002.7	19.1	742.6	23.1	1625.1	19.5	1625.1	19.5	54	26
JNCM1943-22	416.9	3.5	3.286628	0.110153	0.221723	0.00707	0.840889517	4.54	0.15	0.1080	0.0020	0.03	1476	14.5	1283.3	19.2	1765.1	16.9	1765.1	16.9	27	13
JNCM1943-8	836.7	4.3	2.828358	0.066264	0.187327	0.004304	0.739072224	5.36	0.13	0.1094	0.0023	0.25	1359	10.4	1102.8	12.3	1788.6	19.2	1788.6	19.2	38	19
JNCM1943-10	690.8	1.3	0.349424	0.076923	0.015925	0.000647	0.881343049	63.62	2.71	0.1510	0.0299	-0.85	287.4	29.4	100.54	2.12	2357	169	2357	169	96	65
JNCM2056: Metagraywacke from southeast of Blue Ridge Campground; analyzed August 2020																						
JN2056_19	1225.3	1.3	0.10031	0.003949	0.013786	0.000367	0.456416895	72.32	2.22	0.05030	0.00197	0.46	92.9	1.7	88.5	1.3	208	45	88.3	1.3	57	5
JN2056_9	248.4	2.3	0.087559	0.005582	0.013999	0.0004	0.742795436	71.85	1.96	0.04581	0.00218	0.74	85.5	1.3	89.1	1.2	0.00007	40	89.3	1.2	#####	-4
JN2056-1	448.2	1.7	0.105438	0.009776	0.014371	0.000403	0.604133908	70.00	1.93	0.05421	0.00424	0.60	103	3.2	91.4	1.3	379	88	90.9	1.2	76	11
JN2056_13	332.5	1.9	0.103739	0.006658	0.014768	0.000372	0.220646309	68.04	1.70	0.05010	0.00321	0.22	98.1	3	94.1	1.2	199	74	93.9	1.2	53	4
JN2056_17	11293.3	5.4	0.117932	0.005206	0.015342	0.000495	0.573990639	65.72	2.21	0.05241	0.00184	0.57	105.9	1.6	97.3	1.6	302	40	96.9	1.6	68	8
JN2056_2	4269.4	4.5	0.099332	0.002063	0.015334	0.000313	0.540824487	65.42	1.34	0.04802	0.00096	0.54	97.8	0.9	97.8	1	99	24	97.8	1	1	0
JN2056_8	191.3	4.1	0.106924	0.0075	0.01551	0.000312	0.24377051	64.69	1.35	0.05089	0.00346	0.24	104.5	3.3	98.9	1	235	78	98.6	1	58	5
JN2056_7	1354.6	3.4	0.102411	0.002417	0.01551	0.000322	0.360682171	64.68	1.33	0.04930	0.00099	0.36	101.4	1.1	98.9	1	161	23	98.8	1	39	2
JN2056_6	1574.3	6.8	0.101312	0.002973	0.015565	0.000459	0.680794694	64.67	1.91	0.04881	0.00128	0.68	100.5	1.1	98.9	1.4	138	31	98.9	1.4	28	2
JN2056_10	943.5	8.0	0.103362	0.003112	0.015532	0.00033	0.511782172	64.61	1.40	0.04878	0.00126	0.51	100.5	1.1	99	1.1	136	30	98.9	1.1	27	1
JN2056_22	3063.2	3.5	0.112548	0.003228	0.015663	0.000356	0.276391042	64.10	1.49	0.05052	0.00160	0.28	104.7	1.7	99.8	1.1	218	37	99.6	1.1	54	5
JN2056_15	417.0	1.0	0.872013	0.096638	0.02067	0.000915	0.79924299	49.12	2.17	0.29246	0.02362	0.80	608	12	129.9	2.8	3430	63	101	1.7	96	79
JN2056_12	145.5	2.5	0.10687	0.008741	0.015928	0.000456	0.361730675	63.18	1.81	0.04804	0.00358	0.36	101.2	3.3	101.2	1.4	100	88	101.2	1.4	-1	0
JN2056_11	1131.8	3.7	0.107016	0.004944	0.016027	0.00058	0.697658171	63.00	2.23	0.04870	0.00156	0.70	102.8	1.3	101.5	1.8	132	38	101.5	1.8	23	1
JN2056_5	660.7	3.0	0.167945	0.03013	0.016454	0.000472	0.650357658	61.17	1.76	0.07428	0.01171	0.65	157	10	104.5	1.5	1048	159	102	1.4	90	33
JN2056_3	1447.9	8.1	0.106153	0.003417	0.016285	0.000637	0.726089644	62.10	2.29	0.04921	0.00141	0.73	105.2	1.3	103	1.9	157	34	102.9	1.9	34	2
JN2056_16	2256.0	1.5	0.123626	0.005299	0.016704	0.000502	0.49483498	59.74	1.59	0.05201	0.00206	0.49	115.1	1.9	107	1.4	285	45	106.6	1.4	62	7
JN2056_18	558.1	2.8	0.140022	0.008423	0.017583	0.000786	0.706666761	57.09	2.78	0.05576	0.00299	0.71	128.2	2.4	111.9	2.7	442	60	111.2	2.7	75	13
JN2056_14	1443.6	5.7	0.124202	0.006531	0.017856	0.000817	0.654218841	56.91	2.58	0.04945	0.00200	0.65	114.8	2	112.3	2.5	168	47	112.2	2.5	33	2
JN2056_4	436.8	3.1	0.191292	0.217635	0.026182	0.010147	0.92140685	54.77	8.05	0.05314	0.01344	0.92	127.4	7.8	116.6	8.5	334	287	116.1	8.4	65	8
JN2056_20	591.6	2.6	2.531048	1.990493	0.063586	0.038592	0.861595441	41.21	7.94	0.14915	0.05436	0.86	411	37	155	15	2335	312	140	12	93	62
JN2056_21	1966.7	1.2	8.206787	0.491515	0.353143	0.021898	0.915632291	2.93	0.21	0.16265	0.00372	0.92	2192	23	1894	59	2483	19	2483	19	24	14
JNCM1942: Metagraywacke from Ridge C; analyzed July 2020																						
JNCM1942-5	149.0	2.6	0.102001	0.011787	0.012933	0.000297	0.155391664	77.63	1.79	0.0556	0.0058	0.36	95.58	4.49	82.51	0.95	435	116	81.84	0.93	81	14
JNCM1942-17	499.2	3.5	0.086923	0.004276	0.013245	0.000485	0.589615012	76.20	2.57	0.0478	0.0020	0.20	84.19	1.95	84.05	1.41	88.3	49.6	84.04	1.41	5	0
JNCM1942-35	4224.4	1.1	0.097369	0.003456	0.014006	0.000412	0.370247386	71.86	2.02	0.0513	0.0023	0.30	95.29	2.06	89.09	1.24	253.3	51.6	88.77	1.23	65	7
JNCM1942-36	5963.8	2.0	0.095016	0.003094	0.014178	0.000392	0.718908885	70.95	1.97	0.0487	0.0011	0.08	91.78	1.51	90.22	1.24	132.4	26.6	90.14	1.24	32	2
JNCM1942-26	355.8	3.8	0.09048	0.004168	0.014272	0.000459	0.567340034	70.04	2.69	0.0463	0.0022	0.20	88.53	2.32	91.39	1.74	12.2	57.1	91.54	1.75	-649	-3
JNCM1942-39	1417.9	1.3	0.100052	0.00396	0.014631	0.000455	0.371214091	68.86	2.16	0.0499	0.0020	0.43	96.66	1.79	92.94	1.45	189.3	46.6	92.75	1.44	51	4
JNCM1942-24	371.2	1.9	0.095156	0.004553	0.014618	0.000453	0.320581805	68.93	2.17	0.0474	0.0023	0.30	91.94	2.17	92.85	1.45	68.4	57.7	92.9	1.45	-36	-1
JNCM1942-2	4107.2	2.5	0.096754	0.002477	0.01464	0.000366	0.479871559	68.63	1.70	0.0483	0.0013	0.45	94	1.22	93.25	1.15	112.9	31.8	93.21	1.15	17	1
JNCM1942-44	2973.0	1.2	0.095021	0.00295	0.01441	0.000381	0.317599866	68.63	1.27	0.0482	0.0016	0.49	93.81	1.3	93.25	0.86	108	39.2	93.22	0.86	14	1
JNCM1942-3	647.1	2.2	0.110346	0.007021	0.014823	0.000352	0.359146899	67.73	1.48	0.0539	0.0033	0.16	105.67	3.09	94.48	1.02	365.9	69	93.9	1.01	74	11
JNCM1942-32	743.6	1.8	0.100905	0.00607	0.014864	0.000515	0.51295317	67.90	2.33	0.0493	0.0025	0.03	96.84	2.79	94.25	1.61	161.1	59.3	94.11	1.6	41	3
JNCM1942-34	669.2	0.6	0.095196	0.004528	0.01491	0.000647	0.521792656	67.96	2.78	0.0473	0.0022	0.28	93	2.34	94.16	1.91	63.3	55.4	94.22	1.91	-49	-1
JNCM1942-21	402.8	3.3	0.103095	0.006122	0.015008	0.000489	0.371804131	66.60	2.35	0.0496	0.0028	0.26	99.21	2.75	96.07	1.68	175.2	65.8	95.91	1.68	45	3

JNCM1942-31	484.6	1.5	0.266765	0.015798	0.016635	0.000722	0.117417011	60.92	2.43	0.1150	0.0063	0.49	234.8	5.19	104.96	2.08	1879.1	49.4	97.72	1.8	94	55
JNCM1942-43	1095.6	3.0	0.101684	0.004849	0.015483	0.000431	0.289117541	64.47	1.99	0.0475	0.0022	0.33	98.2	2.17	99.22	1.52	73.4	55.1	99.28	1.52	-35	-1
JNCM1942-20	775.7	3.5	0.107707	0.004682	0.015857	0.000466	0.682445226	63.51	1.96	0.0493	0.0016	0.00	103.2	2.2	100.71	1.54	161.1	38	100.58	1.54	37	2
JNCM1942-6	470.9	2.1	0.117652	0.009756	0.016053	0.000583	0.324812724	62.90	2.25	0.0536	0.0042	0.14	112.75	4.35	101.68	1.8	353.3	88.5	101.1	1.78	71	10
JNCM1942-29	152.3	5.4	0.111041	0.006879	0.015982	0.000518	0.092378141	63.07	2.07	0.0507	0.0035	0.43	106.69	3.16	101.41	1.65	226.2	79.8	101.13	1.64	55	5
JNCM1942-33	82.1	1.9	0.242246	0.055757	0.017128	0.000831	0.211615515	59.44	2.84	0.1028	0.0234	0.07	217.1	22.4	107.55	2.55	1674	210	101.49	2.27	94	50
JNCM1942-22	666.2	1.8	0.107046	0.00422	0.015863	0.000468	0.485480622	62.90	2.15	0.0486	0.0018	0.40	102.75	1.91	101.68	1.72	127.5	43.6	101.63	1.72	20	1
JNCM1942-27	708.3	2.5	0.109553	0.00519	0.016216	0.000617	0.572730965	62.36	2.40	0.0500	0.0023	0.10	106.42	2.88	102.55	1.96	193.9	53.5	102.35	1.95	47	4
JNCM1942-4	650.2	1.9	0.15719	0.015427	0.016753	0.000575	0.491144042	60.23	2.03	0.0682	0.0060	-0.20	147.24	6.87	106.15	1.77	873.7	91.1	103.96	1.7	88	28
JNCM1942-38	6082.5	2.0	0.108665	0.002819	0.01633	0.000377	0.480088788	61.12	1.65	0.0481	0.0013	0.53	104.56	1.3	104.62	1.4	103.1	31.9	104.62	1.4	-1	0
JNCM1942-19	760.4	2.8	0.10473	0.004261	0.016681	0.000327	0.582188304	59.76	1.36	0.0453	0.0015	0.06	100.89	1.87	106.98	1.21	0.000065	30	107.3	1.21	#####	-6
JNCM1942-40	1138.8	0.9	0.127644	0.003743	0.018305	0.000499	0.481047886	54.95	1.58	0.0508	0.0014	0.49	121.77	1.63	116.26	1.66	230.7	31.8	115.97	1.65	50	5
JNCM1942-37	874.9	2.2	0.133124	0.008779	0.018891	0.000569	0.27907215	52.83	1.43	0.0526	0.0041	0.24	130.56	4.66	120.88	1.62	310.6	88.7	120.37	1.61	61	7
JNCM1942-18	829.3	5.2	1.75118	0.07805	0.084628	0.003376	0.671346751	11.97	0.50	0.1509	0.0053	0.33	1022.5	44.4	517.2	10.4	2355.4	30	467.92	8.49	78	49
JNCM1942-41	1184.7	4.4	1.509485	0.166421	0.111817	0.011436	0.966508258	9.84	1.21	0.0976	0.0027	-0.39	874.9	39.9	623.9	36.6	1577.9	25.9	1577.9	25.9	60	29
JNCM1942-25	403.4	5.0	3.879048	0.109922	0.268615	0.007442	0.729646398	3.75	0.11	0.1049	0.0022	0.31	1604.4	12.2	1523.9	19.9	1711.7	19.3	1711.7	19.3	11	5
JNCM1942-16	459.4	3.8	2.29401	0.162111	0.154259	0.011242	0.927508452	6.79	0.56	0.1086	0.0031	0.19	1182.4	28.6	885.7	34.1	1775.2	26	1775.2	26	50	25
JNCM1942-28	216.6	2.4	4.874781	0.14416	0.325957	0.011109	0.555944707	3.10	0.10	0.1105	0.0039	0.38	1804.4	15.9	1802.3	25.4	1806.8	32.1	1801.8	25.3	0	0
JNCM1947: Metagraywacke from northwest area; analyzed August 2020																						
JNCM1947_26	248.2	3.0	0.084566	0.004826	0.013686	0.000427	0.438927009	73.61	2.33	0.04547	0.00235	0.44	82.9	1.9	87	1.4	0.00007	50	87.2	1.4	#####	-5
JNCM1947_32	539.0	1.8	0.093414	0.002841	0.01364	0.000337	0.716976649	73.12	2.11	0.04947	0.00130	0.72	90.5	0.9	87.6	1.3	169	31	87.4	1.2	48	3
JNCM1947_37	922.9	3.1	0.098599	0.004291	0.013842	0.000378	0.706342986	72.66	1.98	0.05169	0.00198	0.71	95	1.2	88.1	1.2	271	44	87.8	1.2	67	7
JNCM1947_33	286.4	3.7	0.106665	0.011695	0.01393	0.000299	0.293569285	72.03	1.52	0.05498	0.00566	0.29	101.6	4.8	88.9	0.9	411	115	88.3	0.9	78	13
JNCM1947_39	1100.9	2.0	0.096314	0.003905	0.014151	0.00026	0.517075402	70.86	1.35	0.04850	0.00165	0.52	91.5	1.3	90.3	0.9	123	40	90.3	0.9	27	1
JNCM1947_3	246.1	2.2	0.089431	0.004549	0.014389	0.000411	0.225265478	69.93	2.04	0.04640	0.00233	0.23	88.9	2.2	91.5	1.3	17	60	91.7	1.3	-438	-3
JNCM1947_43	450.0	2.5	0.141298	0.019886	0.014845	0.0006	0.612959533	68.20	2.79	0.06713	0.00768	0.61	129.2	5.8	93.8	1.9	841	119	92.2	1.8	89	27
JNCM1947_19	74.5	2.1	0.092307	0.006758	0.014676	0.000451	0.252073384	67.99	1.75	0.04716	0.00330	0.25	92.7	3	94.1	1.2	56	84	94.2	1.2	-68	-2
JNCM1947_27	130.2	1.9	0.104422	0.005802	0.014889	0.000389	0.134077694	67.50	1.71	0.05152	0.00297	0.13	101.6	2.9	94.8	1.2	263	66	94.5	1.2	64	7
JNCM1947_15	267.8	1.2	0.093702	0.004091	0.014933	0.000467	0.479233267	67.46	2.05	0.04743	0.00186	0.48	93.9	1.6	94.9	1.4	70	47	94.9	1.4	-36	-1
JNCM1947_28	341.8	3.6	0.096685	0.004767	0.015042	0.000562	0.489714378	67.20	2.49	0.04713	0.00213	0.49	93.7	1.9	95.2	1.8	55	54	95.3	1.8	-73	-2
JNCM1947_20	107.2	2.3	0.443164	0.071446	0.01748	0.000943	0.896352642	58.57	3.40	0.18146	0.02376	0.90	361	13	109.1	3.1	2665	108	95.9	2.4	96	70
JNCM1947_42	2494.2	2.0	0.106226	0.005631	0.015219	0.000517	0.808135133	66.24	2.12	0.04970	0.00160	0.81	99.9	0.9	96.6	1.5	180	37	96.4	1.5	46	3
JNCM1947_7	390.4	2.3	0.094468	0.003547	0.015158	0.000302	0.184086451	66.17	1.34	0.04694	0.00182	0.18	94.7	1.8	96.7	1	45	46	96.8	1	-115	-2
JNCM1947_31	771.2	4.3	0.104393	0.004281	0.015382	0.000398	0.397443525	65.33	1.67	0.04910	0.00195	0.40	100.1	1.8	97.9	1.2	151	46	97.8	1.2	35	2
JNCM1947_2	1370.0	3.3	0.098386	0.001898	0.015703	0.000308	0.200955211	63.86	1.23	0.04616	0.00134	0.20	96.4	1.4	100.2	1	5.1	34.8	100.3	1	-1865	-4
JNCM1947_6	391.7	2.8	0.098691	0.003978	0.015761	0.000437	0.430343979	63.82	1.79	0.04706	0.00174	0.43	98.3	1.7	100.2	1.4	51	44	100.3	1.4	-96	-2
JNCM1947_4	490.2	10.0	0.106868	0.004936	0.016026	0.000546	0.578044243	62.94	2.07	0.04986	0.00191	0.58	105.2	1.7	101.6	1.7	187	45	101.4	1.7	46	3
JNCM1947_11	242.8	1.8	0.139616	0.020292	0.01641	0.000664	0.504169199	61.66	2.38	0.06413	0.00737	0.50	136	6.4	103.7	2	745	121	102.2	1.9	86	24
JNCM1947_22	1638.1	2.3	0.100701	0.002424	0.016225	0.000366	0.428846563	61.88	1.43	0.04617	0.00113	0.43	99.4	1.2	103.3	1.2	5.5	29.4	103.5	1.2	-1778	-4
JNCM1947_5	323.8	3.6	0.104704	0.006166	0.016477	0.000449	0.387700439	61.03	1.65	0.04759	0.00254	0.39	103.6	2.4	104.8	1.4	78	63	104.8	1.4	-34	-1
JNCM1947_40	1451.2	5.5	0.118516	0.003987	0.016651	0.00044	0.654463393	60.37	1.55	0.05076	0.00126	0.65	111.3	1.1	105.9	1.3	229	29	105.7	1.3	54	5
JNCM1947_14	721.3	3.1	0.103923	0.003243	0.016502	0.000417	0.467362385	60.45	1.30	0.04762	0.00137	0.47	104.7	1.3	105.8	1.1	80	34	105.8	1.1	-32	-1
JNCM1947_1	2052.0	3.8	0.108529	0.002851	0.016673	0.000408	0.619332958	60.26	1.47	0.04809	0.00105	0.62	106	1	106.1	1.3	103	26	106.1	1.3	-3	0

JNCM1947_24	532.9	15.0	0.139208	0.016501	0.018708	0.001751	0.962172181	56.88	4.83	0.05411	0.00215	0.96	125.1	2.8	112.4	4.7	375	45	111.8	4.7	70	10
JNCM1947_9	535.2	3.8	0.114171	0.003394	0.017669	0.000374	0.4967127	56.78	1.20	0.04879	0.00135	0.50	113.6	1.3	112.5	1.2	137	33	112.5	1.2	18	1
JNCM1947_18	538.7	4.1	0.152918	0.028067	0.01824	0.000995	0.876644363	55.95	2.78	0.06045	0.00780	0.88	141	5.8	114.2	2.8	619	139	112.9	2.8	82	19
JNCM1947_41	2434.7	3.4	0.126736	0.008591	0.017518	0.000971	0.966885403	56.39	3.90	0.05264	0.00225	0.97	122.9	1.7	113.3	3.9	312	49	112.9	3.9	64	8
JNCM1947_23	781.5	2.8	0.133058	0.008586	0.018369	0.000435	0.540082334	54.69	1.31	0.05356	0.00298	0.54	128.6	2.8	116.8	1.4	351	63	116.3	1.4	67	9
JNCM1947_44	982.3	3.0	0.136701	0.01526	0.018768	0.001287	0.945407756	54.59	2.65	0.05145	0.00272	0.95	124	1	117	2.8	260	61	116.7	2.8	55	6
JNCM1947_29	205.9	2.3	0.12385	0.005134	0.018428	0.000469	0.262794351	54.53	1.40	0.04908	0.00218	0.26	118.7	2.5	117.1	1.5	151	52	117.1	1.5	22	1
JNCM1947_13	122.4	2.9	0.115364	0.006172	0.018487	0.000488	0.433556724	54.39	1.49	0.04777	0.00184	0.43	116	2	117.5	1.6	87	46	117.5	1.6	-35	-1
JNCM1947_12	654.2	2.8	0.116457	0.003688	0.018499	0.000415	0.482151783	54.27	1.22	0.04760	0.00132	0.48	115.9	1.4	117.7	1.3	78	33	117.8	1.3	-51	-2
JNCM1947_35	790.5	2.7	0.151079	0.006009	0.019345	0.000655	0.768032837	52.10	1.63	0.05679	0.00175	0.77	142.1	1.4	122.6	1.9	483	34	121.6	1.9	75	14
JNCM1947_38	3625.8	2.7	0.139429	0.006543	0.019405	0.00076	0.930174181	52.08	1.89	0.05122	0.00093	0.93	129.1	1.2	122.6	2.2	250	21	122.3	2.2	51	5
JNCM1947_16	336.9	4.0	0.128323	0.004514	0.019658	0.000492	0.280382315	51.11	1.27	0.04921	0.00184	0.28	126.5	2.3	124.9	1.5	157	44	124.8	1.5	20	1
JNCM1947_17	577.6	3.2	0.144979	0.004386	0.022676	0.000535	0.421601157	44.28	1.01	0.04808	0.00139	0.42	141.6	1.9	144	1.6	102	34	144.1	1.6	-41	-2
JNCM1947_21	164.2	1.9	0.223376	0.009545	0.026334	0.000609	0.574898503	38.13	0.88	0.06396	0.00253	0.57	211.2	3.1	166.9	1.9	739	42	164.7	1.9	77	21
JNCM1947_30	473.0	23.1	0.31808	0.116262	0.031174	0.002226	0.967074077	31.80	2.32	0.06377	0.01172	0.97	248	13	199.6	7.2	733	195	197.1	7	73	20
JNCM1947_10	920.7	4.0	1.998993	0.146999	0.130877	0.008586	0.950717312	7.95	0.63	0.11493	0.00287	0.95	1113	19	763	29	1878	23	729	26	59	34
JNCM1947_25	79.0	1.7	2.037522	0.063743	0.19944	0.00727	0.717013264	5.06	0.18	0.07554	0.00193	0.72	1134.5	8.3	1162	18	1082	26	1082	26	-7	-2
JNCM1947_8	416.8	4.1	2.132383	0.064171	0.187562	0.00583	0.824872379	5.37	0.16	0.08577	0.00159	0.82	1181.7	6	1101	15	1332	18	1092	14	17	7
JNCM1947_36	129.5	1.4	3.21587	0.093798	0.246357	0.006055	0.672665098	4.05	0.12	0.09282	0.00216	0.67	1446.7	8.3	1422	18	1483	22	1483	22	4	2

JNCM2161: Fine-grained metagraywacke from Lupine Campground, analyzed Sept 2021

Spot number	U (ppm)	U/Th	207Pb/235U	2 sigma abs	206Pb/238U	2 sigma abs	206Pb/238U vs 207Pb/235U error corr	238U 206Pb	2 sigma abs	207Pb 206Pb	2 sigma abs	207Pb/206Pb vs 238U/206Pb error corr	207/235 age Ma	1 sigma abs err Ma	206/238 age Ma	1 sigma abs err Ma	207/206 age Ma	1 sigma abs err Ma	Best age Ma	1 sigma abs err Ma	% discordance	
																					6/8 vs. 7/5	6/8 vs. 7/6
JN2161-30	2254.726	1.527736	0.071666	0.004059	0.010995	0.00049	0.514292139	92.25914	4.087629	0.046907	0.002347	0.284050947	69	2	70	2	43	60	70	2	-1.0	-61.6
JN2161-66	392.755	2.919571	0.069602	0.005936	0.010945	0.00037	0.389097494	92.16289	3.263133	0.047124	0.004356	-2.92489E-05	69	3	70	1	54	110	70	1	-0.7	-28.9
JN2161-1x	2920.79	1.499031	0.075354	0.004539	0.011609	0.000374	0.243544302	86.80167	2.841492	0.048513	0.002981	0.316370368	75.3	2.5	73.8	1.2	123	72	73.7	1.2	2.0	40.0
JN2161-43	2176.758	0.430074	0.084988	0.005296	0.012057	0.000532	0.694433909	84.07236	3.698783	0.050744	0.002306	-0.069945806	81	3	76	2	228	53	76	2	6.0	66.6
JN2161-4	1687.393	2.406855	0.07979	0.00372	0.012104	0.000443	0.583632476	83.45004	3.170018	0.048373	0.001794	0.227869526	78	2	77	1	116	44	77	1	1.5	33.8
JN2161-26	354.245	0.979053	0.083138	0.007389	0.012175	0.000464	0.043951229	83.02021	3.344406	0.049352	0.004743	0.295661001	80	4	77	2	164	112	77	2	3.5	52.9
JN2161-8x	1324.054	3.164186	0.08844	0.004311	0.012282	0.000414	0.357239552	82.31945	2.804616	0.049374	0.00288	-0.014732564	80.6	2.6	77.8	1.3	165	68	77.7	1.3	3.5	52.8
JN2161-10	1060.995	1.843063	0.081421	0.005818	0.012252	0.000425	0.569757011	82.07385	2.683663	0.051837	0.002475	0.327104559	85	2	78	1	277	55	78	1	7.8	71.8
JN2161-3	540.6414	2.933727	0.092685	0.006359	0.012837	0.000579	0.184490196	79.06191	3.595265	0.053604	0.003878	0.406999475	91	3	81	2	353	82	80	2	10.7	77.1
JN2161-56	1526.203	2.482019	0.082619	0.005012	0.012764	0.000539	0.226335251	79.41147	3.525403	0.046018	0.002562	0.46550312	78	2	81	2	0	69	81	2	-3.5	#####
JN2161-2	114.008	1.27593	0.2274	0.053977	0.013748	0.000785	0.691161714	74.4709	4.23662	0.11312	0.02348	-0.551270924	193	21	86	2	1849	188	81	2	55.4	95.3
JN2161-3x	695.8969	1.864911	0.082807	0.008335	0.012838	0.00045	0.348706959	78.63079	2.927351	0.048116	0.004564	0.026520568	82.2	4	81.5	1.5	104	112	81.4	1.5	0.9	21.6
JN2161-60	1267.831	1.202541	0.091958	0.005396	0.01313	0.000774	0.55932913	78.16063	4.948944	0.051639	0.003083	0.34515089	89	3	82	3	268	68	82	3	7.3	69.4
JN2161-68	565.4999	1.376775	0.100719	0.004507	0.013089	0.000577	0.213399065	77.49573	3.457316	0.056949	0.003518	0.523640785	98	3	83	2	489	68	82	2	15.6	83.1
JN2161-12	626.1934	2.028359	0.083982	0.005102	0.012955	0.000534	0.238243176	78.15748	3.261742	0.046615	0.003215	0.454696588	80	2	82	2	28	83	82	2	-2.2	-192.9
JN2161-71	503.5082	2.157115	0.082909	0.005545	0.012944	0.000406	0.288378087	77.8123	2.456495	0.046477	0.002936	0.103124043	80	3	82	1	21	76	82	1	-2.5	-291.9
JN2161-33	855.4057	1.947599	0.109551	0.008377	0.013631	0.000569	0.464076231	74.26362	3.001051	0.057705	0.003876	-0.149137788	103	4	86	2	518	74	85	2	16.6	83.4
JN2161-61	1005.865	1.811982	0.085846	0.004148	0.013476	0.000557	0.380634831	75.13914	3.143499	0.045864	0.002222	0.404617847	82	2	85	2	0	57	85	2	-3.9	#####
JN2161-58	1435.622	4.582652	0.090634	0.005755	0.013397	0.000595	0.491464167	74.7447	3.061601	0.048605	0.002682	0.204591321	87	3	86	2	128	65	86	2	1.7	33.0

JN2161-54	837.8415	1.507307	0.092021	0.005929	0.013565	0.000512	0.587407011	74.45496	2.708676	0.049198	0.002528	0.010748384	89	3	86	2	156	60	86	2	2.8	44.9
JN2161-39	836.403	1.935929	0.091596	0.006455	0.01371	0.00063	0.400612097	74.11015	3.552192	0.048252	0.003183	0.266901695	87	3	86	2	111	78	86	2	1.0	22.2
JN2161-13	781.6141	2.151429	0.091204	0.005429	0.013486	0.000452	0.294492799	74.0139	2.358882	0.048356	0.00289	0.319502639	88	2	87	1	116	70	86	1	1.1	25.4
JN2161-9x	195.0552	1.461015	0.082957	0.019069	0.013685	0.000542	0.24713012	73.87601	2.945473	0.044851	0.009962	-0.098650375	81.6	8.8	86.7	1.7	0.0002	253.5027	87	1.7	-6.3	#####
JN2161-17	768.9863	2.194063	0.088383	0.004712	0.013691	0.000493	0.268237353	73.70635	2.571702	0.046035	0.002519	0.349257956	84	2	87	2	0	66	87	2	-3.7	#####
JN2161-40	896.4815	1.490874	0.099015	0.008067	0.01409	0.000847	0.736938788	72.83524	4.478275	0.050506	0.00288	0.030678178	93	4	88	3	217	66	88	3	5.2	59.5
JN2161-7	378.0631	4.543734	0.090543	0.006734	0.01388	0.000576	0.378598011	72.93275	2.973438	0.047486	0.003284	0.278683229	87	3	88	2	73	82	88	2	-0.6	-20.3
JN2161-25	988.2032	1.371354	0.09751	0.004878	0.013927	0.000537	0.224342954	72.56753	2.851794	0.050494	0.002803	0.411496449	93	2	88	2	217	64	88	2	5.2	59.4
JN2161-47	1170.805	2.477965	0.088291	0.004405	0.013889	0.000508	0.663829893	72.70498	2.672088	0.04728	0.001816	0.017188399	87	2	88	2	62	46	88	2	-1.0	-42.1
JN2161-14	154.5239	1.50499	0.094224	0.010337	0.014032	0.000691	0.514492727	72.53345	3.582761	0.047467	0.004469	-0.051216427	88	5	88	2	72	112	88	2	-0.7	-22.6
JN2161-6x	1543.29	1.473581	0.10056	0.004866	0.013854	0.000596	0.432772991	72.28443	2.673576	0.049674	0.003131	0.285878333	91.9	3.2	88.6	1.6	179	73	88.4	1.6	3.6	50.5
JN2161-19	819.3655	1.976658	0.092775	0.005639	0.013974	0.000507	0.230647099	72.04556	2.628735	0.051906	0.002382	0.38891395	96	2	89	2	280	53	88	2	7.5	68.3
JN2161-5	172.6558	1.489398	0.093569	0.010745	0.014141	0.000709	0.116899951	71.85955	3.316365	0.048902	0.006121	0.296619052	91	5	89	2	142	147	89	2	2.1	37.3
JN2161-70	1071.494	1.587101	0.094979	0.004826	0.014311	0.000639	0.500991687	70.92128	3.279238	0.048297	0.002313	0.359274228	91	2	90	2	113	57	90	2	0.9	20.1
JN2161-37	371.3859	2.850202	0.106955	0.007993	0.01473	0.000757	0.067960759	69.20156	3.560585	0.052933	0.004825	0.51544416	102	4	93	2	325	103	92	2	9.1	71.5
JN2161-16	1393.908	5.178797	0.101402	0.004859	0.014622	0.00056	0.687103162	69.12558	2.670099	0.049226	0.001759	0.199567907	95	2	93	2	158	42	92	2	2.6	41.4
JN2161-53	704.8808	2.619671	0.091705	0.005853	0.014699	0.000597	0.520000556	68.83775	2.770864	0.045512	0.002288	-0.010934671	89	3	93	2	0	58	93	2	-5.1	#####
JN2161-67	374.0883	1.506019	0.104553	0.009616	0.014992	0.000507	0.002980223	67.26501	2.312099	0.050562	0.004917	0.348409771	100	4	95	2	220	113	95	2	5.0	56.8
JN2161-8	623.4168	1.272034	0.100841	0.005128	0.014944	0.000459	0.243051173	67.3641	2.010758	0.048871	0.002527	0.310602526	97	2	95	1	141	61	95	1	1.9	32.6
JN2161-9	492.0523	2.59307	0.105108	0.00928	0.015887	0.00082	0.531215253	64.06863	3.04078	0.047605	0.003328	0.032317939	99	4	100	2	79	83	100	2	-0.8	-26.3
JN2161-44	337.1888	3.143551	0.105111	0.006959	0.015812	0.000679	0.289047598	64.06076	2.64993	0.047293	0.002744	0.361653847	98	3	100	2	63	69	100	2	-1.5	-58.6
JN2161-23	1063.143	1.748209	0.140173	0.006641	0.019963	0.000899	0.786044686	50.27043	2.535552	0.050411	0.001854	0.31026932	131	3	127	3	213	43	127	3	3.3	40.4
JN2161-52	525.5025	7.612568	0.176006	0.020909	0.023316	0.002417	0.733082358	46.46247	4.936505	0.054369	0.003881	0.209670746	152	8	137	7	385	80	136	7	9.6	64.3
JN2161-11x	534.9942	2.322163	0.461563	0.172809	0.046867	0.013266	0.982977392	40.43628	11.05463	0.060353	0.007262	-0.635077739	190	26	157	21	615	130	155	21	17.4	74.5
JN2161-46	534.1554	1.253203	0.180426	0.011201	0.026331	0.000892	0.504421278	37.86888	1.56482	0.048907	0.002766	0.157631325	166	5	168	3	142	66	168	3	-1.0	-18.3
JN2161-36	1270.42	11.80322	0.212794	0.015667	0.027426	0.00167	0.668164548	37.39207	2.226107	0.055814	0.002841	0.151602254	190	6	170	5	444	57	169	5	10.5	61.7
JN2161-41	607.8137	1.091499	0.183049	0.010683	0.026675	0.000792	0.550048383	37.43287	1.268651	0.048863	0.002481	0.084072544	168	5	170	3	140	60	170	3	-1.2	-21.4
JN2161-11	771.3247	0.861769	0.195531	0.012823	0.027254	0.001042	0.600766958	36.67441	1.215524	0.051254	0.002802	-0.052201263	179	5	173	3	251	63	173	3	3.1	30.9
JN2161-32	268.6502	0.992151	0.273517	0.016733	0.036908	0.001182	0.442093654	27.28947	0.874262	0.05315	0.002951	0.104313063	241	7	232	4	334	63	231	4	3.9	30.5
JN2161-27	282.1236	1.174361	0.298707	0.016341	0.042259	0.001536	0.380973681	23.87828	0.818051	0.05082	0.00268	0.272884069	261	6	265	4	232	61	265	4	-1.3	-14.0
JN2161-31	190.6551	3.716105	0.930464	0.152846	0.08526	0.013252	0.950338469	13.6398	1.775138	0.078383	0.003569	0.145124347	592	30	456	29	1156	45	1156	45	23.0	60.6
JN2161-65	379.5723	3.184049	1.826889	0.093905	0.148502	0.008187	0.754431729	6.884592	0.382407	0.088901	0.003343	0.432085983	1038	17	874	23	1401	36	1401	36	15.8	37.6
JN2161-2x	4125.598	20.66462	2.920804	0.092672	0.230262	0.007693	0.733183667	4.375604	0.135944	0.094652	0.002249	0.401657787	1403	15	1327	19	1520	22	1520	22	5.4	12.7
JN2161-18	636.1731	2.457775	3.309959	0.125645	0.270655	0.007963	0.5111319803	3.718287	0.114988	0.086946	0.002793	0.24102793	1463	15	1535	21	1358	31	1358	31	-4.9	-13.0
JN2161-15	121.5713	1.599127	3.108951	0.142792	0.247104	0.009927	0.729519831	4.094206	0.163538	0.089317	0.002903	0.182860647	1409	18	1409	25	1410	31	1410	31	0.0	0.1
JN2161-28	263.5546	0.594093	2.93611	0.127669	0.232481	0.008707	0.509134237	4.298156	0.148325	0.089744	0.003164	0.351891412	1376	15	1348	21	1419	34	1419	34	2.0	5.0
JN2161-20	295.5595	4.421262	3.573807	0.175619	0.268625	0.012404	0.533317147	3.782148	0.186607	0.095315	0.004378	0.467288965	1521	19	1512	33	1533	43	1533	43	0.6	1.4
JN2161-4x	2626.35	36.09517	3.666214	0.108389	0.275437	0.011298	0.569179592	3.676458	0.155667	0.099876	0.003405	0.637065187	1581	22	1551	29	1621	32	1621	32	1.9	4.3
JN2161-7x	144.7605	1.299375	3.826534	0.157687	0.280356	0.009317	0.51250583	3.594928	0.117096	0.101756	0.003832	0.314598821	1614	20	1582	23	1656	35	1656	35	2.0	4.5
JN2161-42	267.2648	2.685123	4.31478	0.207145	0.316007	0.01546	0.557617748	3.220237	0.158462	0.097605	0.003839	0.46427718	1670	19	1743	38	1578	37	1578	37	-4.4	-10.5
JN2161-48	399.2748	1.820237	4.28189	0.174694	0.31975	0.009981	0.540520051	3.149669	0.102201	0.099409	0.003584	0.197876884	1703	18	1777	25	1612	34	1612	34	-4.3	-10.2

JN2161-34	270.8329	3.287055	3.653482	0.143984	0.264897	0.011263	0.446343854	3.82519	0.164054	0.099532	0.00424	0.566036606	1546	16	1497	29	1615	40	1615	40	3.2	7.3
JN2161-22	205.0265	2.397874	4.639449	0.194927	0.333201	0.01205	0.462841347	3.029855	0.109894	0.099683	0.004095	0.439284267	1737	17	1839	29	1617	38	1617	38	-5.9	-13.7
JN2161-51	228.7932	4.784585	4.062124	0.187247	0.300322	0.012351	0.537585001	3.326628	0.125331	0.099677	0.004242	0.41841737	1660	18	1694	28	1617	40	1617	40	-2.0	-4.8
JN2161-5x	908.1196	19.20114	3.816261	0.104583	0.285736	0.006744	0.5158157	3.486949	0.09478	0.098802	0.002606	0.488641999	1615	15	1625	20	1601	25	1601	25	-0.6	-1.5
JN2161-6	993.1268	112.0513	4.007701	0.142855	0.293055	0.013368	0.38247412	3.4636	0.156914	0.100452	0.004576	0.667810999	1634	15	1635	33	1632	42	1632	42	-0.1	-0.2
JN2161-21	372.5968	2.266913	4.735288	0.215985	0.334981	0.012741	0.278841537	3.016473	0.11441	0.101353	0.005108	0.496221529	1755	19	1846	30	1648	47	1648	47	-5.2	-12.0
JN2161-29	251.1998	7.982823	4.221327	0.178626	0.298875	0.014138	0.546048332	3.400418	0.160386	0.102034	0.004369	0.564300284	1661	17	1662	35	1661	40	1661	40	-0.1	-0.1
JN2161-75	2485.422	83.72393	3.516443	0.138022	0.249437	0.007669	0.442983831	4.037367	0.132329	0.102456	0.003835	0.319201042	1527	16	1427	21	1668	35	1668	35	6.5	14.4
JN2161-76	109.7053	3.205006	4.672814	0.189563	0.331672	0.013069	0.484077602	3.05162	0.124598	0.102675	0.003918	0.485193159	1756	17	1827	32	1672	35	1672	35	-4.0	-9.3
JN2161-1	178.5669	3.638633	4.343702	0.209403	0.301863	0.01309	0.801373512	3.357528	0.144192	0.102918	0.003001	0.106128809	1679	20	1681	32	1677	27	1677	27	-0.1	-0.2
JN2161-55	318.9412	1.797114	4.321825	0.19831	0.303172	0.010126	0.386480832	3.326103	0.114943	0.103404	0.004398	0.359062275	1690	18	1695	26	1685	39	1685	39	-0.3	-0.6
JN2161-49	82.7544	1.346032	3.891658	0.164477	0.280122	0.011531	0.268535123	3.612488	0.149379	0.103436	0.005095	0.576445045	1623	17	1575	29	1686	45	1686	45	3.0	6.6
JN2161-35	918.381	16.08016	3.731085	0.218277	0.268402	0.02073	0.678481838	3.888427	0.309447	0.103798	0.006276	0.555596595	1567	27	1475	52	1692	56	1692	56	5.9	12.8
JN2161-50	352.5757	2.668817	4.359558	0.13524	0.310078	0.010263	0.236995173	3.250905	0.112905	0.104014	0.004133	0.657167724	1714	13	1729	26	1696	37	1696	37	-0.9	-1.9
JN2161-45	512.634	2.251627	4.931668	0.24858	0.339003	0.010341	0.622664287	2.946068	0.104597	0.104065	0.004118	0.049908994	1797	22	1884	29	1697	36	1697	36	-4.8	-11.0
JN2161-38	250.8509	2.673761	4.772438	0.210832	0.331539	0.016769	0.491583597	3.071758	0.152695	0.104259	0.004965	0.557418296	1763	19	1817	39	1700	44	1700	44	-3.1	-6.9
JN2161-73	168.469	2.131436	4.326552	0.144122	0.300302	0.008045	0.666383946	3.346895	0.087403	0.104485	0.002673	0.22091246	1694	13	1685	19	1704	24	1704	24	0.5	1.1
JN2161-69	442.8744	4.224192	3.830069	0.141389	0.263252	0.007496	0.494920879	3.789714	0.125806	0.104515	0.003662	0.489753063	1593	14	1510	22	1705	32	1705	32	5.2	11.4
JN2161-59	1462.741	14.56801	4.050876	0.180138	0.2773	0.011112	0.523530806	3.647515	0.143771	0.106457	0.004781	0.204685223	1639	22	1562	27	1739	41	1739	41	4.7	10.2
JN2161-64	274.8668	1.902701	4.106792	0.146606	0.275064	0.008248	0.535308426	3.660042	0.113467	0.107356	0.003466	0.300436183	1643	15	1557	21	1754	30	1754	30	5.2	11.2
JN2161-74	1890.468	1.112872	4.641524	0.148901	0.315219	0.012732	0.422044628	3.20821	0.123248	0.107467	0.004158	0.673936069	1752	13	1749	29	1756	35	1756	35	0.2	0.4
JN2161-63	1388.918	7.21574	4.180374	0.214492	0.279793	0.016021	0.680667007	3.661093	0.21198	0.107988	0.004762	0.465807328	1647	22	1557	40	1765	40	1765	40	5.5	11.8
JN2161-62	1891.251	3.761258	4.389896	0.187626	0.289493	0.012229	0.671865891	3.498752	0.146336	0.109006	0.00362	0.323022349	1692	18	1621	30	1782	30	1782	30	4.2	9.0
JN2161-24	875.3529	9.558061	4.969552	0.468429	0.310618	0.022435	0.937794755	3.305662	0.173939	0.112536	0.004002	-0.14724799	1766	28	1704	39	1840	32	1840	32	3.5	7.4
JN2161-72	468.1588	4.33983	10.16818	0.3301	0.444458	0.011893	0.507205698	2.261967	0.064477	0.165983	0.004987	0.371748735	2445	15	2360	28	2517	25	2517	25	3.5	6.2
JN2161-57	1225.551	4.154561	10.32899	0.522161	0.436933	0.016791	0.606381034	2.311962	0.087132	0.170337	0.00723	0.139470337	2449	24	2317	37	2560	36	2560	36	5.4	9.5

† Data not corrected for common-Pb.

† ²⁰⁶Pb/²³⁸U ages common lead corrected by inferring the initial Pb-composition from the Stacey and Kramers (1975) two stage isotope evolution model (Vermeesch, 2018). Analyses with greater than 10% uncertainty in ²⁰⁷Pb/²⁰⁶Pb age (1-sigma) or 5% uncertainty in ²⁰⁶Pb/²³⁸U age (1-sigma), 20% discordance, and/or 5% reverse discordance are excluded. Accepted ages calculated using ²⁰⁶Pb/²³⁸U ages for grains younger than 1100 Ma and ²⁰⁷Pb/²⁰⁶Pb ages for grains older than 1100 Ma.