# 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 — Observed Outcrop

Pelona schist - Late Cretaceous

- Grayschist - mucsovite 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
- Kps — N/A — Pelona schist of Blue Ridge (undifferentiated)

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

### 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

A — A' Cross Section Line

TC-1 — TC-2 Composite Section Line

### Previous Work (Incorporated)

Qal Quaternary alluvium (undifferentiated)

PeNv Pg-eNg Vasquez Formation (undifferentiated)

My Mylonite

Mzgr Mesozoic granitic intusive

BR218 and 98-240 Detrital zircon sample (Grove et al, 2003; Jacobson et al, 2011)

Foliation (Dibblee, 1967; Elig, 1967 - unpublished)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)

TRUE NORTH

MAGNETIC NORTH +12.0

0 m 500 m 1000 m

Strip Map Boundary (Coffey et al, 2019)

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

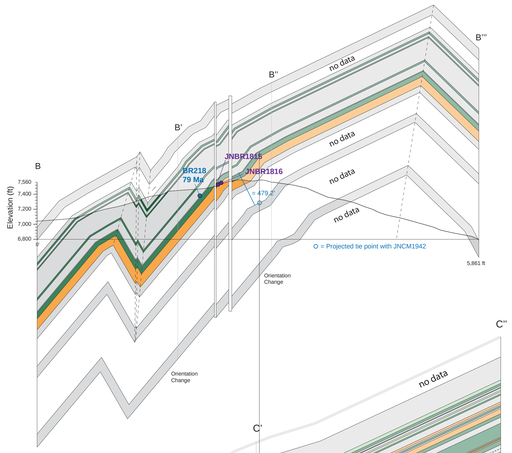
## Composite Geochronology Section 1 (Cross-Sections B, C, D)

Ridges B, C, and D were tied together in plan view by projecting a line from geochronology sample site JNCM1942 (cross-sction 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 correcponds to the horizontal tie line points discussed above.

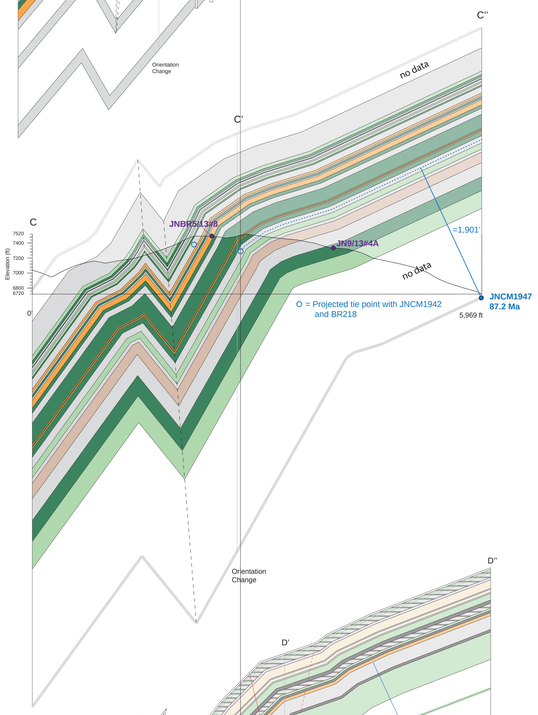
Note: Cross-section A was not completed in this study due to time constraints, as this section presented no significant contribution other than fold geometry.

SW NE

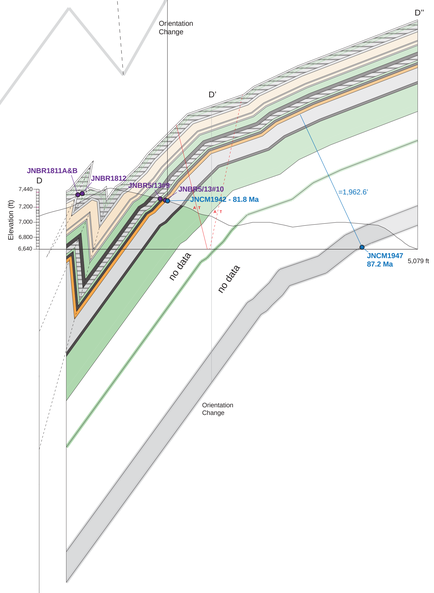
**Ridge B**




**Ridge C**

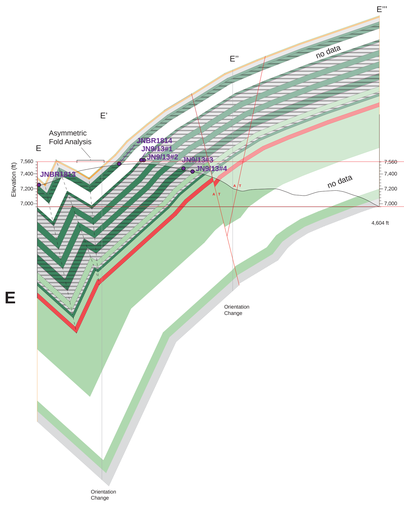



**Ridge D**




SW NE

**Ridge E**

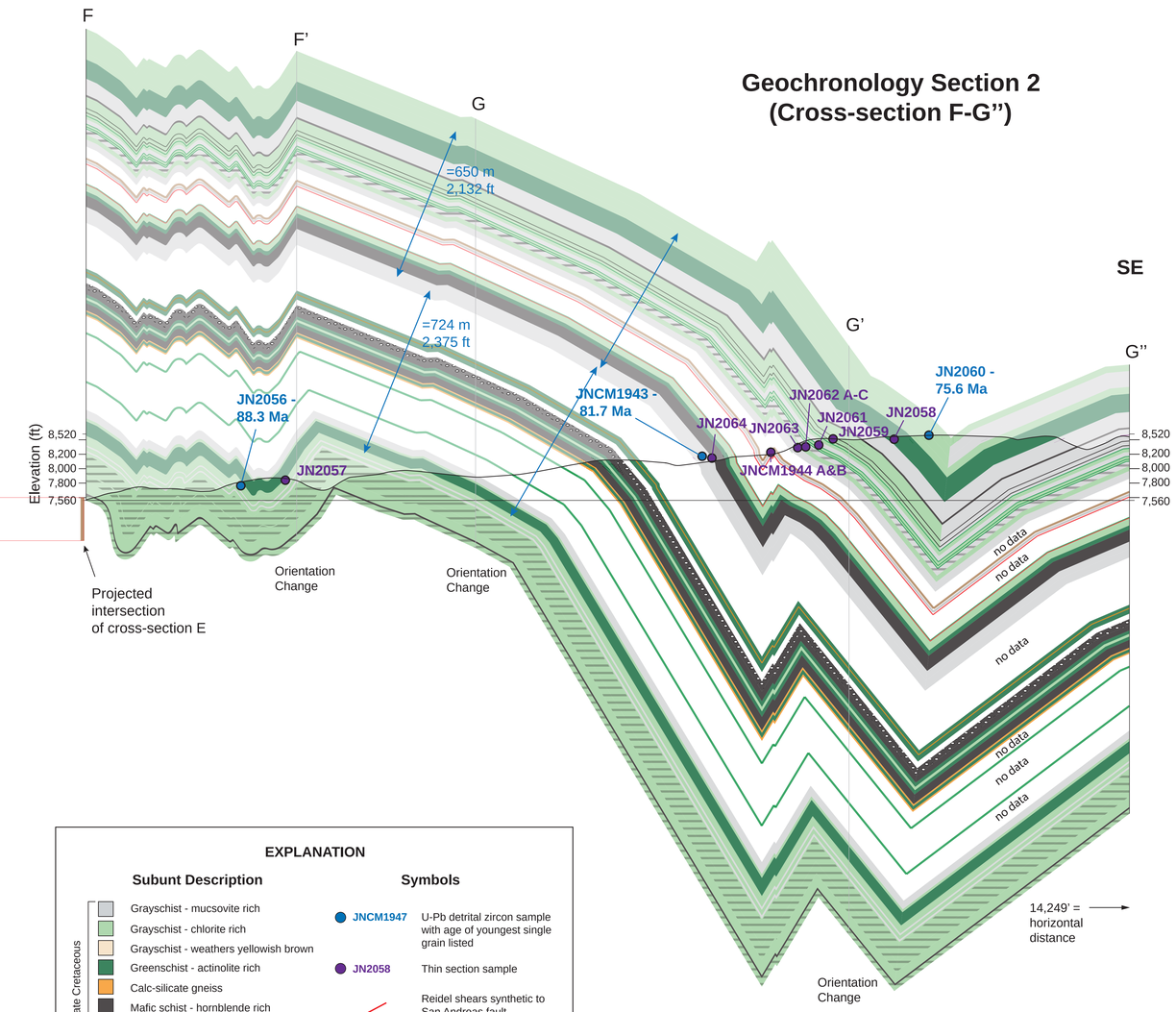



### CROSS-SECTION CONSTRUCTION METHODS

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.

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

NW SE




### EXPLANATION

**Subunt Description**

Pelona schist - Late Cretaceous

- Grayschist - mucsovite 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

**Symbols**

- JNCM1947 — U-Pb detrital zircon sample with age of youngest single grain listed
- JN2058 — Thin section sample
- Reidel shears synthetic to San Andreas fault
- Axial plane of fold
- Structural thickness measurement

**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 | % discordance 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 | -111142757 | -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 | -111571329 | -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 | -115999900 | -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 | -119142757 | -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 | -119428471 | -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 | -121142757 | -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 | -125428471 | -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 | -132999900 | -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 | -133142757 | -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 | -138428471 | -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 | -399142757 | -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 | -134507592 | -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 | -127285614 | -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 | -164584515 | -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~~ | ~~14.4~~ | ~~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 | 0.01109 | 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 | -124285614 | -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~~ | ~~31~~ |
| 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 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 | -40349900.0 |
| ~~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 | -42599900.0 |
| 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 | -43349900.0 |
| 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 | -43449900.0 |
| 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 | -46499900.0 |
| 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 | 0.511319803 | 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.

† $^{206}Pb/^{238}U$ 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 $^{207}Pb/^{206}Pb$ age (1-sigma) or 5% uncertainty in $^{206}Pb/^{238}U$ age (1-sigma), 20% discordance, and/or 5% reverse discordance are excluded. Accepted ages calculated using $^{206}Pb/^{238}U$ ages for grains younger than 1100 Ma and $^{207}Pb/^{206}Pb$ ages for grains older than 1100 Ma.