Data Repository. Pb/U geochronologic data for "Detrital zircon geochronology of Mesoproterozoic to Cambrian arenites in the western United States and northwestern Mexico" by J.H. Stewart, G.E. Gehrels, A.P. Barth, P.K. Link, N. Christie-Blick, and C.T. Wrucke, Geological Society of America Bulletin, v. __, p. __).

Grain type	Grain wt. (µg)	Pb_c (pg)	U (ppm)	$^{206}Pb_m/^{204}Pb$	$^{206}Pb_c/^{208}Pb$	Pb*/U ratios $^{206}Pb^*/^{238}U$	Pb*/U ratios $^{207}Pb^*/^{235}U$	Apparent ages (Ma) $^{206}Pb^*/^{238}U$	Apparent ages (Ma) $^{207}Pb^*/^{235}U$	Apparent ages (Ma) $^{207}Pb^*/^{206}Pb^*$	Projected age (Ma)
						Pioneer Shale					
CE	**8**	**11**	**316**	**349**	**2.6**	**0.19208 ± 0.56**	**2.68175 ± 0.72**	**1325**	**1323**	**1319 ± 25**	**1318 ± 26**
CE	7	11	180	1660	4.3	0.22601 ± 0.72	2.65951 ± 0.87	1314	1317	1323 ± 9	1327 ± 10
CE	**9**	**9**	**132**	**1865**	**3.8**	**0.22898 ± 0.66**	**2.70026 ± 0.77**	**1329**	**1329**	**1328 ± 7**	**1328 ± 10**
CE	9	11	136	1345	5.2	0.19488 ± 0.79	2.28974 ± 0.94	1147	1209	1320 ± 9	1329 ± 10
CE	11	6	436	1020	4.0	0.21920 ± 1.47	2.58734 ± 1.60	1278	1297	1329 ± 12	1332 ± 12
CE	6	17	303	1435	4.9	0.21821 ± 0.57	2.58217 ± 0.79	1273	1296	1334 ± 7	1337 ± 10
CE	10	17	289	2025	12.9	0.19208 ± 0.52	2.68175 ± 0.72	1133	1323	1647 ± 8	1671 ± 15
						Dripping Spring Quartzite					
LR	16	10	51	668	4.3	0.12558 ± 1.50	1.37015 ± 1.81	763	876	1175 ± 19	1209 ± 42
LR	17	15	76	1040	4.3	0.19724 ± 0.73	2.22083 ± 0.98	1161	1187	1237 ± 12	1241 ± 13
LR	16	7	55	1120	5.5	0.13640 ± 1.31	1.51718 ± 1.60	824	937	1213 ± 17	1242 ± 36
CR	14	14	48	536	5.1	0.17675 ± 1.35	1.98495 ± 1.82	1049	1110	1232 ± 23	1243 ± 26
LR	15	17	67	686	4.8	0.18450 ± 0.88	2.07874 ± 1.31	1092	1142	1239 ± 18	1247 ± 20
LR	26	13	76	1960	3.7	0.20953 ± 0.63	2.37669 ± 0.83	1226	1236	1252 ± 10	1253 ± 10
LR	21	22	85	965	3.5	0.19254 ± 0.62	2.18049 ± 0.94	1135	1175	1249 ± 13	1255 ± 14
LR	15	10	70	1165	3.6	0.19807 ± 0.84	2.24835 ± 1.13	1165	1196	1253 ± 14	1258 ± 15
LR	33	17	48	985	4.0	0.17386 ± 0.69	1.96560 ± 0.98	1033	1104	1245 ± 13	1258 ± 19
CR	**20**	**18**	**286**	**4150**	**2.4**	**0.21454 ± 0.59**	**2.44800 ± 0.67**	**1253**	**1257**	**1264 ± 6**	**1264 ± 10**
LR	11	8	148	2395	2.2	0.19041 ± 0.69	2.16604 ± 0.77	1124	1170	1258 ± 6	1265 ± 10
LR	27	11	85	2590	4.6	0.19124 ± 0.60	2.17581 ± 0.74	1128	1173	1257 ± 8	1265 ± 11
LR	21	14	95	1660	3.4	0.18819 ± 0.55	2.14143 ± 0.70	1112	1162	1258 ± 8	1266 ± 12
CR	26	15	449	10250	6.4	0.22363 ± 0.45	2.62720 ± 0.53	1301	1308	1320 ± 5	1321 ± 10
CR	24	10	345	11260	8.0	0.22556 ± 0.39	2.65620 ± 0.47	1311	1316	1325 ± 5	1325 ± 10
CR	13	9	107	2060	4.9	0.20535 ± 0.64	2.52108 ± 0.84	1204	1278	1405 ± 10	1414 ± 14
LR	21	10	315	9330	7.2	0.23782 ± 0.39	2.97294 ± 0.48	1375	1401	1440 ± 5	1442 ± 10
CR	17	4	86	6330	5.7	0.24900 ± 0.56	3.12070 ± 0.70	1433	1438	1445 ± 8	1445 ± 10
LR	14	19	888	7820	8.6	0.19579 ± 0.45	2.43718 ± 0.59	1153	1254	1432 ± 7	1445 ± 16

LR	13	9	419	10650	12.7	0.26994 ± 0.51	3.87680 ± 0.57	1541	1609	1700 ± 5	1705 ± 10
LR	18	11	510	12900	8.5	0.26284 ± 0.39	3.79862 ± 0.46	1504	1593	1711 ± 4	1718 ± 10
LR	15	26	778	7130	13.3	0.26256 ± 0.60	3.93651 ± 0.67	1503	1621	1778 ± 5	1787 ± 11
						Troy Quartzite					
CR	3	14	836	2095	5.0	0.18892 ± 0.59	2.12779 ± 0.82	1116	1158	1238 ± 11	1245 ± 13
CR	**2**	**19**	**406**	**589**	**3.0**	**0.21576 ± 0.95**	**2.44014 ± 1.50**	**1259**	**1255**	**1246 ± 21**	**1245 ± 22**
CR	2	21	663	835	4.2	0.21028 ± 0.69	2.38589 ± 1.10	1230	1238	1252 ± 16	1253 ± 16
CR	4	11	147	688	4.0	0.21050 ± 0.66	2.39162 ± 0.95	1231	1239	1253 ± 18	1254 ± 19
CR	3	22	456	776	3.6	0.20582 ± 0.53	2.33738 ± 0.68	1207	1223	1252 ± 16	1254 ± 16
CR	3	11	469	1688	5.5	0.21130 ± 0.66	2.39969 ± 0.83	1236	1243	1254 ± 9	1255 ± 10
CR	**3**	**16**	**385**	**968**	**4.2**	**0.21383 ± 0.78**	**2.42996 ± 1.08**	**1249**	**1252**	**1256 ± 14**	**1256 ± 14**
CR	4	14	992	3630	4.3	0.20587 ± 0.69	2.33516 ± 1.11	1207	1224	1254 ± 8	1256 ± 10
CR	**3**	**19**	**542**	**1095**	**3.7**	**0.21033 ± 1.27**	**2.38723 ± 1.61**	**1232**	**1240**	**1255 ± 13**	**1256 ± 13**
CR	**3**	**12**	**258**	**825**	**5.2**	**0.21070 ± 1.11**	**2.39337 ± 1.39**	**1233**	**1241**	**1255 ± 16**	**1256 ± 16**
CR	**2**	**14**	**868**	**1585**	**5.3**	**0.21418 ± 0.64**	**2.43755 ± 0.82**	**1251**	**1254**	**1258 ± 10**	**1259 ± 10**
CR	2	15	1111	1890	5.0	0.20932 ± 0.82	2.39690 ± 1.03	1225	1242	1270 ± 11	1273 ± 12
CR	2	37	487	352	2.2	0.21239 ± 0.98	2.43754 ± 1.79	1242	1254	1275 ± 27	1276 ± 28
						El Alamo Formation					
LR	23	11	224	5300	5.3	0.18390 ± 0.66	1.94233 ± 0.83	1088	1096	1111 ± 9	1112 ± 10
CR	**13**	**6**	**93**	**3670**	**5.6**	**0.20540 ± 0.78**	**2.27306 ± 0.92**	**1204**	**1204**	**1204 ± 10**	**1204 ± 10**
CE	6	6	55	990	3.4	0.17966 ± 1.37	1.97896 ± 1.56	1065	1108	1194 ± 14	1204 ± 16
LE	5	7	171	1510	6.0	0.20086 ± 1.00	2.22251 ± 1.13	1180	1188	1203 ± 10	1205 ± 11
LE	**15**	**7**	**109**	**3180**	**2.3**	**0.20600 ± 0.64**	**2.28589 ± 0.81**	**1208**	**1208**	**1209 ± 9**	**1209 ± 10**
CR	**45**	**10**	**53**	**2650**	**1.9**	**0.20585 ± 0.58**	**2.28770 ± 0.73**	**1207**	**1209**	**1212 ± 9**	**1212 ± 10**
LE	11	14	69	690	2.7	0.19985 ± 1.12	2.22521 ± 1.51	1175	1189	1216 ± 19	1218 ± 20
LE	15	5	64	2680	6.2	0.22477 ± 0.94	2.74844 ± 1.05	1307	1342	1397 ± 9	1402 ± 10
LR	17	6	63	2630	4.3	0.23906 ± 0.77	2.93945 ± 0.90	1382	1392	1408 ± 9	1409 ± 10
CE	9	8	78	1550	5.8	0.18381 ± 1.25	2.24253 ± 1.35	1088	1195	1393 ± 10	1413 ± 15
CE	8	6	32	1610	4.8	0.23709 ± 0.87	2.94112 ± 1.05	1372	1393	1425 ± 11	1429 ± 11
LE	**9**	**6**	**232**	**5900**	**5.2**	**0.24825 ± 0.59**	**3.09023 ± 0.73**	**1429**	**1430**	**1432 ± 8**	**1432 ± 10**
CE	7	11	90	840	4.0	0.24521 ± 1.06	3.06435 ± 1.31	1414	1424	1439 ± 14	1440 ± 14
LR	22	13	283	6890	13.2	0.24083 ± 0.65	3.28114 ± 0.76	1391	1477	1602 ± 7	1612 ± 10
LE	9	6	189	5400	6.3	0.28295 ± 0.59	3.92425 ± 0.72	1606	1619	1635 ± 8	1637 ± 10
LE	7	7	59	970	3.0	0.27530 ± 1.41	3.85469 ± 1.57	1568	1604	1653 ± 12	1656 ± 13
LR	17	10	135	3620	4.0	0.25929 ± 0.56	3.77859 ± 0.72	1486	1588	1726 ± 8	1737 ± 10

CR	10	98	89	178	2.1	0.30309 ± 0.98	4.53906 ± 2.57	1707	1738	1776 ± 40	1778 ± 40
CR	6	6	42	800	4.2	0.28568 ± 2.15	4.39456 ± 2.24	1620	1711	1825 ± 12	1833 ± 13
CR	6	6	66	1200	4.8	0.30415 ± 1.32	6.10317 ± 1.39	1712	1991	2294 ± 8	2312 ± 12
LR	13	7	148	7100	5.8	0.44446 ± 0.59	10.29870 ± 0.68	2371	2462	2538 ± 6	2542 ± 10
						El Aguila unit					
CE	**9**	**6**	**112**	**2050**	**10.6**	**0.17818 ± 0.94**	**1.83225 ± 1.02**	**1057**	**1057**	**1057 ± 8**	**1057 ± 10**
LR	**19**	**10**	**176**	**3780**	**9.3**	**0.17740 ± 0.62**	**1.82665 ± 0.89**	**1053**	**1055**	**1060 ± 12**	**1060 ± 12**
LR	**11**	**6**	**246**	**5460**	**7.4**	**0.18252 ± 0.49**	**1.90250 ± 0.65**	**1081**	**1082**	**1084 ± 8**	**1085 ± 10**
CR	**12**	**10**	**95**	**1360**	**7.3**	**0.19343 ± 0.84**	**2.08162 ± 1.18**	**1140**	**1142**	**1148 ± 16**	**1149 ± 16**
CR	11	7	40	1150	8.5	0.18805 ± 1.01	2.03474 ± 1.21	1111	1127	1159 ± 13	1161 ± 14
CR	**16**	**10**	**53**	**1080**	**6.8**	**0.19362 ± 1.08**	**2.09764 ± 1.48**	**1141**	**1148**	**1161 ± 19**	**1162 ± 20**
CE	**8**	**7**	**96**	**2240**	**5.9**	**0.19398 ± 0.81**	**2.10416 ± 0.98**	**1143**	**1150**	**1164 ± 11**	**1165 ± 11**
LR	**12**	**6**	**120**	**5220**	**6.3**	**0.19925 ± 0.52**	**2.18777 ± 0.71**	**1171**	**1177**	**1188 ± 9**	**1189 ± 10**
CR	**12**	**13**	**49**	**650**	**5.8**	**0.22416 ± 1.27**	**2.63879 ± 1.62**	**1303**	**1311**	**1323 ± 18**	**1325 ± 19**
LE	6	25	284	875	6.2	0.20935 ± 0.61	2.55292 ± 0.99	1225	1287	1392 ± 14	1402 ± 15
LE	9	7	161	3010	9.0	0.22582 ± 0.69	2.77108 ± 0.93	1313	1348	1404 ± 11	1409 ± 12
LE	9	7	153	4390	8.8	0.23557 ± 0.55	2.89892 ± 0.75	1364	1382	1410 ± 9	1412 ± 10
CE	5	6	206	3980	8.6	0.22984 ± 0.59	2.84686 ± 0.71	1334	1368	1422 ± 7	1427 ± 10
LR	17	6	120	4950	5.4	0.23300 ± 0.54	2.88891 ± 0.72	1350	1379	1424 ± 9	1428 ± 10
LR	12	7	151	2380	7.4	0.13830 ± 0.79	1.67970 ± 0.93	835	1001	1384 ± 9	1433 ± 29
CR	14	7	125	4070	4.5	0.27732 ± 0.49	3.88487 ± 0.69	1578	1611	1654 ± 9	1657 ± 10
LR	**12**	**6**	**94**	**3250**	**2.5**	**0.29256 ± 0.69**	**4.11079 ± 0.93**	**1654**	**1656**	**1659 ± 11**	**1659 ± 12**
CE	7	10	190	2250	7.5	0.27744 ± 0.69	3.91851 ± 0.84	1578	1617	1669 ± 8	1672 ± 10
CE	**6**	**5**	**69**	**1550**	**9.4**	**0.30252 ± 1.30**	**4.36817 ± 1.43**	**1704**	**1706**	**1709 ± 11**	**1710 ± 11**
CR	11	6	53	4330	4.2	0.46090 ± 0.72	11.51310 ± 0.77	2443	2566	2664 ± 5	2668 ± 10
						Sierra Chiltepin Formation					
CR	**28**	**13**	**158**	**395**	**3.4**	**0.18535 ± 1.87**	**1.95928 ± 2.32**	**1096**	**1102**	**1113 ± 26**	**1114 ± 26**
LR	28	12	129	2540	2.6	0.14149 ± 1.13	1.52408 ± 1.22	853	940	1150 ± 9	1172 ± 15
CR	**35**	**17**	**61**	**1820**	**4.5**	**0.24771 ± 0.57**	**3.10184 ± 0.78**	**1427**	**1433**	**1442 ± 10**	**1443 ± 10**
MR	18	28	220	2180	12.1	0.25693 ± 1.10	3.62555 ± 1.18	1474	1555	1667 ± 7	1674 ± 10
CR	43	165	35	166	2.4	0.28715 ± 0.88	4.06560 ± 2.30	1627	1647	1673 ± 37	1675 ± 37
LR	31	9	94	5010	6.3	0.26302 ± 0.53	3.79692 ± 0.64	1505	1592	1709 ± 6	1716 ± 10
CR	**41**	**8**	**47**	**4290**	**7.2**	**0.30322 ± 0.69**	**4.39858 ± 0.79**	**1707**	**1712**	**1718 ± 7**	**1718 ± 10**
LR	36	9	206	15040	7.8	0.28043 ± 0.50	4.07927 ± 0.55	1593	1650	1723 ± 4	1727 ± 10
LR	**41**	**28**	**101**	**2720**	**6.3**	**0.30896 ± 0.51**	**4.52489 ± 0.66**	**1736**	**1736**	**1736 ± 8**	**1736 ± 10**

MR	**21**	**8**	**154**	**7900**	**14.9**	**0.30634 ± 1.10**	**4.48919 ± 1.13**	**1723**	**1729**	**1737 ± 5**	**1737 ± 10**
						Sahuaripa Member					
CR	7	11	43	312	3.6	0.18586 ± 2.69	1.99719 ± 3.51	1099	1115	1145 ± 42	1148 ± 43
LR	10	10	43	449	2.0	0.16321 ± 2.16	1.75247 ± 3.23	975	1028	1144 ± 44	1154 ± 46
LR	9	11	46	439	1.3	0.18227 ± 2.06	1.99359 ± 2.59	1079	1113	1180 ± 29	1186 ± 30
MR	8	27	400	1343	3.9	0.18849 ± 0.69	2.21707 ± 1.05	1113	1186	1323 ± 14	1333 ± 16
CR	7	18	176	795	5.0	0.19100 ± 0.81	2.33372 ± 1.45	1127	1222	1396 ± 21	1409 ± 23
CR	6	15	182	980	5.4	0.21631 ± 0.81	2.66358 ± 1.27	1262	1318	1411 ± 18	1417 ± 18
CR	**8**	**21**	**111**	**635**	**3.4**	**0.24606 ± 0.85**	**3.06834 ± 1.31**	**1418**	**1425**	**1435 ± 18**	**1435 ± 18**
CR	5	12	793	4220	8.3	0.20857 ± 1.10	2.78049 ± 1.21	1221	1350	1561 ± 9	1576 ± 12
LR	11	14	98	1050	4.1	0.22052 ± 0.80	2.94810 ± 1.15	1285	1394	1566 ± 14	1578 ± 16
MR	7	12	202	1920	5.6	0.23903 ± 0.66	3.27114 ± 0.85	1382	1474	1610 ± 9	1619 ± 10
						Rancho Curiel unit					
YR	**18**	**8**	**242**	**4020**	**5.8**	**0.11103 ± 0.54**	**0.95369 ± 0.88**	**679**	**680**	**684 ± 14**	**685 ± 15**
YR	21	29	388	1695	5.3	0.10562 ± 0.53	0.91175 ± 0.99	617	658	695 ± 17	700 ± 18
DR	21	37	523	3030	10.1	0.17493 ± 0.51	1.81325 ± 0.95	1039	1050	1073 ± 15	1075 ± 15
CR	18	27	54	367	2.5	0.16266 ± 1.06	1.68295 ± 1.60	972	1002	1070 ± 23	1076 ± 24
LR	22	1109	548	129	1.9	0.17388 ± 1.02	1.84394 ± 3.95	1033	1061	1119 ± 71	1124 ± 74
MR	**28**	**36**	**1159**	**9900**	**5.7**	**0.18928 ± 0.65**	**2.02272 ± 0.75**	**1118**	**1123**	**1134 ± 7**	**1135 ± 10**
MR	22	165	686	895	9.9	0.17003 ± 0.52	1.81715 ± 1.01	1012	1052	1134 ± 16	1142 ± 17
LR	24	52	238	1238	8.3	0.18918 ± 0.66	2.03438 ± 1.13	1117	1127	1147 ± 17	1148 ± 18
DR	**19**	**52**	**515**	**2140**	**4.1**	**0.19389 ± 0.60**	**2.09697 ± 0.82**	**1142**	**1148**	**1158 ± 11**	**1159 ± 12**
LR	**21**	**16**	**144**	**2180**	**7.4**	**0.19877 ± 0.56**	**2.15643 ± 0.79**	**1169**	**1167**	**1164 ± 11**	**1164 ± 11**
CR	21	10	174	4310	6.0	0.19353 ± 0.54	2.09874 ± 0.77	1141	1148	1163 ± 10	1165 ± 10
DR	24	33	307	2320	7.6	0.17741 ± 0.51	1.92229 ± 0.75	1053	1089	1162 ± 10	1168 ± 11
CR	15	54	329	1055	4.1	0.19463 ± 0.53	2.17346 ± 1.15	1146	1173	1221 ± 19	1225 ± 20
DR	18	36	497	2790	7.7	0.18913 ± 0.45	2.16838 ± 0.66	1117	1171	1273 ± 9	1281 ± 10
CR	18	12	329	6010	9.5	0.20892 ± 0.51	2.41724 ± 0.67	1223	1248	1291 ± 8	1294 ± 10
LR	25	27	190	2220	8.7	0.21329 ± 0.52	2.50218 ± 0.75	1246	1273	1318 ± 10	1321 ± 10
CR	17	22	257	2710	5.1	0.22555 ± 0.52	2.67902 ± 0.71	1311	1323	1341 ± 9	1343 ± 10
YR	24	31	203	2278	4.5	0.24363 ± 0.51	3.02944 ± 0.66	1406	1415	1429 ± 8	1430 ± 10
LR	26	8	177	10100	5.7	0.29144 ± 0.58	4.18793 ± 0.67	1649	1672	1701 ± 6	1702 ± 10
MR	20	26	379	2520	8.3	0.14380 ± 0.52	2.09718 ± 0.68	866	1148	1728 ± 8	1779 ± 29
MR	25	17	168	4330	7.3	0.29032 ± 0.51	4.50577 ± 0.68	1643	1732	1841 ± 8	1847 ± 10

Caddy Canyon Quartzite

CR	**18**	**14**	**710**	**19500**	**18.0**	**0.16577 ± 0.53**	**1.65319 ± 0.58**	**989**	**991**	**995 ± 5**	**996 ± 10**
CR	12	7	296	5310	3.8	0.15581 ± 0.52	1.56628 ± 0.73	933	957	1011 ± 10	1018 ± 12
CR	17	4	57	2460	2.5	0.16132 ± 0.65	1.62602 ± 0.85	964	980	1017 ± 11	1018 ± 12
CR	**22**	**4**	**105**	**6750**	**5.0**	**0.19636 ± 0.47**	**2.12323 ± 0.64**	**1156**	**1156**	**1158 ± 8**	**1158 ± 10**
CR	**21**	**22**	**279**	**2930**	**3.1**	**0.17789 ± 0.71**	**1.84105 ± 0.87**	**1055**	**1060**	**1070 ± 10**	**1072 ± 10**
CR	**24**	**5**	**119**	**6220**	**2.6**	**0.17975 ± 0.57**	**1.86470 ± 0.70**	**1066**	**1069**	**1075 ± 8**	**1076 ± 10**
LR	**28**	**5**	**93**	**6040**	**15.6**	**0.18242 ± 0.68**	**1.91236 ± 0.79**	**1080**	**1085**	**1096 ± 8**	**1097 ± 10**
LR	**26**	**3**	**121**	**5190**	**8.4**	**0.18924 ± 0.69**	**2.01265 ± 0.82**	**1117**	**1120**	**1125 ± 5**	**1125 ± 10**
CR	14	8	180	3480	8.6	0.17856 ± 0.60	1.90179 ± 0.86	1059	1082	1128 ± 12	1133 ± 12
LR	**28**	**6**	**365**	**16050**	**10.0**	**0.19466 ± 0.65**	**2.09492 ± 0.70**	**1147**	**1147**	**1148 ± 5**	**1148 ± 10**
CR	**18**	**6**	**119**	**4210**	**5.8**	**0.19570 ± 0.57**	**2.11587 ± 0.80**	**1152**	**1154**	**1157 ± 11**	**1158 ± 11**
MR	24	8	467	15900	6.3	0.17344 ± 0.46	1.87080 ± 0.52	1031	1071	1153 ± 5	1162 ± 10
LR	11	6	238	33415	8.0	0.19343 ± 0.72	2.09616 ± 0.57	1140	1147	1168 ± 8	1170 ± 10
LR	31	6	104	5400	4.6	0.19292 ± 0.50	2.09799 ± 0.66	1137	1148	1169 ± 8	1171 ± 10
CR	**20**	**4**	**123**	**7050**	**4.7**	**0.20016 ± 0.52**	**2.18469 ± 0.63**	**1176**	**1176**	**1176 ± 6**	**1176 ± 10**
LR	**25**	**4**	**156**	**13050**	**6.7**	**0.19762 ± 0.46**	**2.16001 ± 0.52**	**1163**	**1168**	**1179 ± 5**	**1180 ± 10**
MR	**28**	**5**	**166**	**11100**	**8.4**	**0.20113 ± 0.59**	**2.20558 ± 0.69**	**1181**	**1183**	**1184 ± 7**	**1186 ± 10**
MR	**25**	**5**	**447**	**27050**	**5.5**	**0.19897 ± 0.78**	**2.18576 ± 0.85**	**1170**	**1177**	**1189 ± 6**	**1190 ± 10**
CR	14	6	83	2490	8.1	0.20366 ± 0.77	2.26406 ± 0.93	1195	1201	1212 ± 10	1213 ± 10
LR	32	6	173	12800	8.7	0.22617 ± 0.58	2.68486 ± 0.63	1314	1324	1340 ± 5	1342 ± 10
LR	24	6	213	12800	9.0	0.24005 ± 0.51	2.94846 ± 0.62	1387	1395	1406 ± 6	1409 ± 10
CR	16	4	140	8230	9.0	0.24445 ± 0.46	3.02767 ± 0.55	1410	1415	1422 ± 6	1423 ± 10
MR	26	6	183	26600	3.9	0.50163 ± 0.60	12.77020 ± 0.61	2621	2663	2694 ± 2	2696 ± 10

Mutual Formation

CE	12	27	375	1710	7.8	0.16881 ± 0.66	1.70746 ± 0.99	1006	1011	1024 ± 14	1025 ± 15
CR	**18**	**37**	**269**	**1398**	**8.4**	**0.17619 ± 0.60**	**1.80397 ± 1.05**	**1046**	**1047**	**1049 ± 16**	**1049 ± 17**
CR	**22**	**9**	**147**	**4200**	**12.3**	**0.17732 ± 0.56**	**1.82889 ± 0.69**	**1052**	**1056**	**1063 ± 8**	**1064 ± 10**
CR	**20**	**45**	**87**	**411**	**4.8**	**0.18119 ± 0.72**	**1.88014 ± 1.99**	**1074**	**1074**	**1075 ± 35**	**1076 ± 36**
CR	**18**	**10**	**240**	**5080**	**9.6**	**0.18365 ± 0.48**	**1.92577 ± 0.71**	**1087**	**1090**	**1096 ± 10**	**1097 ± 10**
LR	**38**	**16**	**106**	**2970**	**9.0**	**0.18581 ± 0.48**	**1.95208 ± 0.68**	**1099**	**1099**	**1100 ± 9**	**1100 ± 10**
LR	**24**	**86**	**103**	**313**	**4.0**	**0.17118 ± 0.69**	**1.79513 ± 1.99**	**1019**	**1044**	**1097 ± 35**	**1103 ± 37**
LR	**17**	**10**	**59**	**1180**	**5.3**	**0.18512 ± 0.94**	**1.95130 ± 1.15**	**1095**	**1099**	**1107 ± 13**	**1108 ± 14**
LR	**18**	**15**	**74**	**1070**	**6.2**	**0.18998 ± 0.73**	**2.02104 ± 1.03**	**1121**	**1123**	**1125 ± 14**	**1126 ± 14**
LR	**26**	**8**	**55**	**2210**	**13.9**	**0.19727 ± 0.64**	**2.13641 ± 0.78**	**1161**	**1161**	**1161 ± 9**	**1161 ± 10**
LR	**22**	**9**	**72**	**2250**	**7.9**	**0.19642 ± 0.69**	**2.12996 ± 0.89**	**1156**	**1159**	**1163 ± 11**	**1164 ± 11**

CE	**16**	**15**	**601**	**8520**	**8.1**	**0.21534 ± 0.51**	**2.46283 ± 0.64**	**1257**	**1261**	**1268 ± 7**	**1269 ± 10**
LR	**21**	**12**	**72**	**1770**	**3.2**	**0.22251 ± 0.62**	**2.57946 ± 0.79**	**1295**	**1295**	**1294 ± 9**	**1294 ± 10**
LR	**26**	**13**	**144**	**4070**	**5.2**	**0.23477 ± 0.55**	**2.81292 ± 0.74**	**1360**	**1359**	**1358 ± 9**	**1358 ± 10**
CR	20	21	159	2280	8.0	0.25080 ± 0.67	3.16969 ± 0.79	1443	1450	1460 ± 8	1461 ± 10
CR	14	13	109	2210	13.2	0.30460 ± 0.72	4.70133 ± 0.85	1714	1768	1831 ± 8	1835 ± 10
LR	26	11	149	11050	3.9	0.49820 ± 0.52	12.47560 ± 0.57	2606	2641	2668 ± 4	2669 ± 10
CR	15	10	58	2900	6.3	0.50679 ± 0.69	12.95340 ± 0.77	2643	2676	2702 ± 6	2703 ± 10
DR	32	14	341	22600	9.1	0.48328 ± 0.60	12.90900 ± 0.64	2542	2673	2774 ± 4	2778 ± 10
DR	19	17	142	5550	7.3	0.55876 ± 0.45	16.23090 ± 0.52	2861	2891	2911 ± 4	2912 ± 10
DR	28	11	202	26900	53.0	0.55369 ± 0.52	16.37950 ± 0.56	2841	2899	2940 ± 3	2942 ± 10
DR	**18**	**8**	**88**	**8860**	**4.0**	**0.67321 ± 0.58**	**25.30930 ± 0.62**	**3318**	**3320**	**3321 ± 3**	**3321 ± 10**
						Geertsen Canyon Quartzite					
LR	**28**	**7**	**306**	**13600**	**6.4**	**0.17799 ± 0.53**	**1.82980 ± 0.59**	**1056**	**1056**	**1057 ± 5**	**1057 ± 10**
CR	**24**	**4**	**120**	**7180**	**3.4**	**0.17928 ± 0.41**	**1.84986 ± 0.54**	**1063**	**1063**	**1064 ± 7**	**1064 ± 10**
LR	19	5	163	6510	5.5	0.17760 ± 0.52	1.85983 ± 0.64	1054	1067	1094 ± 7	1097 ± 10
MR	**21**	**4**	**107**	**6300**	**5.8**	**0.18672 ± 0.42**	**1.96495 ± 0.57**	**1104**	**1104**	**1104 ± 7**	**1104 ± 10**
CR	**26**	**5**	**88**	**5490**	**7.6**	**0.20127 ± 0.55**	**2.20070 ± 0.69**	**1182**	**1181**	**1180 ± 8**	**1180 ± 10**
LR	**29**	**6**	**39**	**2730**	**4.6**	**0.23311 ± 0.75**	**2.81042 ± 0.85**	**1351**	**1358**	**1370 ± 5**	**1371 ± 10**
LR	**21**	**7**	**21**	**2360**	**7.5**	**0.24668 ± 0.90**	**3.05902 ± 1.03**	**1421**	**1423**	**1424 ± 9**	**1424 ± 10**
CR	29	7	190	14500	5.7	0.31184 ± 0.51	4.66469 ± 0.56	1750	1761	1774 ± 4	1775 ± 10
LR	**29**	**7**	**74**	**5110**	**4.7**	**0.31422 ± 0.45**	**4.70189 ± 0.57**	**1761**	**1768**	**1775 ± 6**	**1775 ± 10**
MR	**21**	**7**	**107**	**6830**	**5.7**	**0.31724 ± 0.43**	**4.75450 ± 0.53**	**1776**	**1777**	**1778 ± 5**	**1778 ± 10**
LR	**26**	**9**	**32**	**1790**	**5.6**	**0.31774 ± 0.77**	**4.77244 ± 0.88**	**1779**	**1780**	**1782 ± 7**	**1782 ± 10**
CR	**31**	**6**	**60**	**6250**	**5.0**	**0.31910 ± 0.51**	**4.79857 ± 0.60**	**1785**	**1785**	**1784 ± 5**	**1784 ± 10**
LR	**22**	**5**	**129**	**12150**	**11.0**	**0.32565 ± 0.39**	**4.98640 ± 0.46**	**1817**	**1817**	**1816 ± 4**	**1817 ± 10**
CR	**21**	**5**	**51**	**4495**	**15.8**	**0.32511 ± 0.50**	**5.01356 ± 0.66**	**1815**	**1822**	**1830 ± 8**	**1830 ± 10**
MR	18	6	397	21010	16.6	0.26120 ± 0.51	4.00287 ± 0.55	1496	1635	1818 ± 4	1832 ± 10
CR	28	4	41	6260	6.6	0.32774 ± 0.49	5.10290 ± 0.58	1827	1837	1847 ± 5	1848 ± 10
CR	**34**	**5**	**61**	**9100**	**10.9**	**0.33559 ± 0.40**	**5.28542 ± 0.52**	**1865**	**1867**	**1868 ± 6**	**1868 ± 10**
LR	**32**	**3**	**25**	**4940**	**1.9**	**0.34185 ± 0.53**	**5.47315 ± 0.67**	**1896**	**1896**	**1897 ± 7**	**1897 ± 10**
CR	**28**	**7**	**77**	**6260**	**4.4**	**0.34134 ± 0.54**	**5.49348 ± 0.61**	**1893**	**1900**	**1907 ± 5**	**1907 ± 10**
CR	22	6	70	8450	3.2	0.50704 ± 0.53	12.83980 ± 0.58	2644	2668	2686 ± 4	2687 ± 10
CR	**32**	**6**	**47**	**5440**	**3.2**	**0.51776 ± 0.53**	**13.16770 ± 0.58**	**2690**	**2692**	**2693 ± 4**	**2693 ± 10**
MR	**24**	**5**	**84**	**13200**	**14.7**	**0.51958 ± 0.54**	**13.35440 ± 0.58**	**2697**	**2705**	**2711 ± 4**	**2711 ± 10**
						Osgood Mountains Quartzite					

LR	27	39	305	1235	11.2	0.18707 ± 0.34	1.99400 ± 0.40	1105	1113	1129 ± 5	1130 ± 10
CR	**14**	**12**	**100**	**725**	**8.3**	**0.19284 ± 1.12**	**2.06334 ± 1.18**	**1137**	**1137**	**1137 ± 8**	**1137 ± 10**
CR	**15**	**67**	**115**	**174**	**3.5**	**0.19583 ± 0.85**	**2.13465 ± 1.61**	**1153**	**1160**	**1174 ± 25**	**1175 ± 26**
CR	**18**	**9**	**300**	**4100**	**7.1**	**0.23412 ± 0.37**	**2.80770 ± 0.39**	**1356**	**1358**	**1360 ± 4**	**1360 ± 10**
CR	**14**	**22**	**240**	**1080**	**7.1**	**0.23550 ± 0.47**	**2.82873 ± 0.52**	**1363**	**1363**	**1363 ± 5**	**1363 ± 10**
CR	**12**	**7**	**55**	**770**	**6.3**	**0.24919 ± 1.77**	**3.06192 ± 1.86**	**1434**	**1423**	**1407 ± 11**	**1406 ± 12**
CR	**27**	**14**	**130**	**1890**	**6.7**	**0.24875 ± 0.47**	**3.08797 ± 0.53**	**1432**	**1430**	**1426 ± 5**	**1426 ± 10**
CR	**17**	**14**	**375**	**3470**	**7.1**	**0.24913 ± 0.38**	**3.10506 ± 0.40**	**1434**	**1434**	**1434 ± 4**	**1434 ± 10**
LR	**18**	**38**	**530**	**2330**	**6.7**	**0.30821 ± 0.30**	**4.50802 ± 0.33**	**1732**	**1732**	**1733 ± 4**	**1733 ± 10**
LR	**45**	**15**	**1090**	**29500**	**12.5**	**0.30915 ± 0.38**	**4.53012 ± 0.40**	**1736**	**1736**	**1736 ± 4**	**1736 ± 10**
LR	18	27	260	1600	4.9	0.30563 ± 0.35	4.48456 ± 0.46	1719	1728	1739 ± 5	1741 ± 10
LR	29	84	1450	4290	13.1	0.29237 ± 0.29	4.30247 ± 0.31	1653	1694	1744 ± 4	1747 ± 10
LR	**17**	**13**	**190**	**2310**	**2.5**	**0.31505 ± 0.41**	**4.67906 ± 0.43**	**1765**	**1763**	**1761 ± 4**	**1761 ± 10**
LR	**17**	**8**	**440**	**8700**	**9.7**	**0.31444 ± 0.36**	**4.67576 ± 0.38**	**1762**	**1763**	**1763 ± 4**	**1763 ± 10**
LR	**23**	**28**	**160**	**1260**	**3.3**	**0.31560 ± 0.41**	**4.70559 ± 0.44**	**1768**	**1768**	**1768 ± 5**	**1768 ± 10**
LR	**17**	**17**	**330**	**3110**	**4.6**	**0.31588 ± 0.33**	**4.71295 ± 0.36**	**1770**	**1770**	**1769 ± 4**	**1769 ± 10**
DR	**19**	**11**	**465**	**7900**	**5.7**	**0.31317 ± 0.35**	**4.68039 ± 0.37**	**1756**	**1764**	**1773 ± 4**	**1773 ± 10**
DR	**24**	**17**	**530**	**7000**	**4.9**	**0.31744 ± 0.34**	**4.75026 ± 0.36**	**1777**	**1776**	**1775 ± 4**	**1775 ± 10**
LR	**23**	**13**	**220**	**3700**	**3.7**	**0.31751 ± 0.34**	**4.75456 ± 0.37**	**1778**	**1777**	**1776 ± 4**	**1776 ± 10**
LR	**17**	**12**	**550**	**7300**	**9.6**	**0.31718 ± 0.30**	**4.75115 ± 0.33**	**1776**	**1776**	**1777 ± 4**	**1777 ± 10**
DR	**21**	**17**	**415**	**4800**	**10.2**	**0.31744 ± 0.39**	**4.75923 ± 0.41**	**1777**	**1778**	**1778 ± 4**	**1778 ± 10**
LR	**18**	**11**	**370**	**4960**	**10.2**	**0.31781 ± 0.33**	**4.76508 ± 0.35**	**1779**	**1779**	**1778 ± 4**	**1779 ± 10**
DR	17	15	570	5800	8.6	0.30409 ± 0.35	4.55912 ± 0.41	1712	1742	1778 ± 4	1780 ± 10
CS	**15**	**8**	**105**	**2020**	**6.5**	**0.32297 ± 0.64**	**4.89412 ± 0.68**	**1804**	**1801**	**1798 ± 5**	**1798 ± 10**
CR	**19**	**13**	**150**	**2200**	**10.6**	**0.32735 ± 0.42**	**5.02753 ± 0.45**	**1826**	**1824**	**1822 ± 4**	**1822 ± 10**
CS	**17**	**21**	**140**	**1130**	**5.2**	**0.32969 ± 0.47**	**5.08104 ± 0.54**	**1837**	**1833**	**1829 ± 5**	**1828 ± 10**
LR	**18**	**20**	**560**	**4850**	**6.6**	**0.32514 ± 0.35**	**5.00963 ± 0.37**	**1815**	**1821**	**1828 ± 4**	**1829 ± 10**
LR	41	52	415	2920	7.0	0.30927 ± 0.29	4.77633 ± 0.32	1737	1781	1832 ± 4	1835 ± 10
CR	**15**	**14**	**365**	**5480**	**4.0**	**0.46498 ± 0.31**	**10.28210 ± 0.33**	**2461**	**2461**	**2460 ± 4**	**2460 ± 10**
CR	**21**	**14**	**335**	**6700**	**3.5**	**0.46552 ± 0.30**	**10.31100 ± 0.32**	**2464**	**2463**	**2462 ± 4**	**2462 ± 10**
LR	16	19	445	4530	4.0	0.44720 ± 0.35	10.31330 ± 0.37	2382	2463	2530 ± 3	2533 ± 10
LR	15	11	200	3640	4.3	0.46916 ± 0.36	11.16180 ± 0.38	2480	2537	2582 ± 3	2584 ± 10
LR	**21**	**91**	**260**	**855**	**4.9**	**0.51538 ± 0.35**	**12.91740 ± 0.39**	**2680**	**2674**	**2669 ± 4**	**2670 ± 10**
LR	19	10	310	9700	10.6	0.54468 ± 0.30	15.04150 ± 0.32	2803	2818	2829 ± 3	2830 **± 10**
DR	16	21	640	7390	9.9	0.54405 ± 0.29	15.05290 ± 0.31	2800	2819	2832 ± 3	2833 **± 10**
DR	19	26	615	5640	7.6	0.46220 ± 0.38	12.79110 ± 0.40	2449	2664	2832 ± 3	2838 ± 10
CR	14	9	205	4860	5.4	0.50911 ± 0.40	15.61960 ± 0.42	2653	2854	2999 ± 3	3003 ± 10

DR	22	66	945	3860	13.8	0.45785 ± 0.34	14.63380 ± 0.36	2430	2792	3065 ± 3	3074 ± 10
CR	19	12	115	3440	4.4	0.64705 ± 0.36	23.35270 ± 0.38	3217	3242	3257 ± 3	3259 ± 10
CR	**44**	**105**	**190**	**1390**	**3.9**	**0.68586 ± 0.29**	**26.44480 ± 0.32**	**3367**	**3363**	**3361 ± 3**	**3361 ± 10**
						Wood Canyon Formation (sample #1)					
YR	**12**	**16**	**71**	**422**	**4.8**	**0.11286 ± 1.46**	**0.97781 ± 1.96**	**689**	**692**	**703 ± 26**	**704 ± 30**
LE	**6**	**12**	**207**	**1160**	**6.8**	**0.17738 ± 0.87**	**1.83465 ± 1.11**	**1053**	**1058**	**1069 ± 13**	**1070 ± 14**
YR	**9**	**9**	**77**	**930**	**5.3**	**0.18200 ± 1.32**	**1.89092 ± 1.59**	**1078**	**1078**	**1078 ± 17**	**1078 ± 18**
CR	**27**	**6**	**34**	**1730**	**5.2**	**0.18242 ± 1.04**	**1.89961 ± 1.13**	**1080**	**1081**	**1082 ± 9**	**1083 ± 10**
LR	54	8	191	1490	5.6	0.17617 ± 0.99	1.83267 ± 1.15	1046	1057	1081 ± 11	1084 ± 12
LE	**19**	**13**	**283**	**4480**	**7.1**	**0.18301 ± 1.10**	**1.90856 ± 1.29**	**1084**	**1084**	**1084 ± 11**	**1084 ± 11**
LE	**9**	**9**	**136**	**1620**	**6.0**	**0.18243 ± 0.79**	**1.90087 ± 1.09**	**1080**	**1082**	**1084 ± 14**	**1084 ± 15**
CR	**44**	**13**	**79**	**2950**	**4.8**	**0.18264 ± 0.50**	**1.90402 ± 0.70**	**1081**	**1083**	**1085 ± 9**	**1085 ± 10**
YR	**12**	**15**	**239**	**2080**	**5.3**	**0.18189 ± 1.15**	**1.89664 ± 1.77**	**1078**	**1080**	**1085 ± 9**	**1085 ± 10**
CE	**19**	**12**	**220**	**430**	**6.1**	**0.18369 ± 1.93**	**1.91427 ± 2.60**	**1088**	**1087**	**1085 ± 33**	**1085 ± 34**
CE	**25**	**9**	**36**	**1150**	**3.8**	**0.18312 ± 0.47**	**1.90809 ± 0.73**	**1084**	**1084**	**1086 ± 13**	**1086 ± 14**
CR	**23**	**7**	**29**	**1140**	**3.3**	**0.18149 ± 1.38**	**1.89172 ± 1.61**	**1075**	**1078**	**1085 ± 17**	**1086 ± 18**
CR	**31**	**17**	**127**	**570**	**5.3**	**0.18195 ± 0.57**	**1.89676 ± 0.74**	**1078**	**1081**	**1086 ± 14**	**1087 ± 26**
LR	**19**	**20**	**40**	**445**	**4.1**	**0.18282 ± 0.92**	**1.91159 ± 1.06**	**1082**	**1085**	**1090 ± 24**	**1090 ± 25**
CE	**9**	**7**	**111**	**1670**	**6.4**	**0.18271 ± 1.23**	**1.90837 ± 1.77**	**1082**	**1085**	**1091 ± 10**	**1092 ± 10**
LR	**24**	**11**	**192**	**4890**	**5.3**	**0.18812 ± 0.53**	**1.98521 ± 0.74**	**1111**	**1111**	**1109 ± 10**	**1109 ± 10**
LR	**21**	**22**	**84**	**925**	**4.8**	**0.18734 ± 0.77**	**1.98127 ± 1.13**	**1107**	**1110**	**1114 ± 16**	**1114 ± 16**
CE	**23**	**9**	**103**	**3080**	**5.8**	**0.18959 ± 0.72**	**2.01931 ± 0.86**	**1119**	**1122**	**1128 ± 9**	**1129 ± 10**
LR	**18**	**15**	**95**	**1390**	**4.9**	**0.19354 ± 0.68**	**2.07225 ± 0.98**	**1141**	**1140**	**1138 ± 13**	**1138 ± 14**
CR	**25**	**8**	**35**	**1460**	**3.4**	**0.20710 ± 0.98**	**2.30984 ± 1.13**	**1213**	**1215**	**1219 ± 10**	**1219 ± 11**
CE	**33**	**18**	**204**	**4600**	**9.0**	**0.20803 ± 0.45**	**2.32139 ± 0.66**	**1218**	**1219**	**1220 ± 9**	**1220 ± 10**
YR	19	10	52	1420	5.2	0.23820 ± 0.80	2.93576 ± 1.00	1378	1391	1413 ± 11	1415 ± 12
						Wood Canyon Formation (sample #2)					
CR	**14**	**10**	**69**	**1085**	**5.3**	**0.18064 ± 0.98**	**1.87182 ± 1.41**	**1071**	**1071**	**1073 ± 19**	**1073 ± 20**
CR	17	10	92	1535	4.3	0.15105 ± 0.80	1.57569 ± 1.08	907	961	1086 ± 14	1102 ± 17
CR	**20**	**11**	**37**	**790**	**5.0**	**0.18601 ± 1.18**	**1.96156 ± 1.83**	**1100**	**1102**	**1108 ± 26**	**1108 ± 28**
CR	**13**	**9**	**96**	**1610**	**5.3**	**0.18778 ± 0.80**	**1.98144 ± 1.06**	**1109**	**1109**	**1109 ± 13**	**1109 ± 14**
LR	22	5	220	8225	8.0	0.16725 ± 1.03	1.75855 ± 1.06	997	1030	1102 ± 5	1110 ± 10
CR	**39**	**8**	**121**	**6965**	**5.1**	**0.18539 ± 0.53**	**1.95691 ± 0.64**	**1096**	**1101**	**1110 ± 7**	**1111 ± 10**
CR	18	6	120	318	3.1	0.14146 ± 4.83	1.47813 ± 5.11	853	921	1089 ± 34	1112 ± 39
CR	**15**	**6**	**58**	**1765**	**7.3**	**0.18696 ± 1.03**	**1.97623 ± 1.21**	**1105**	**1107**	**1112 ± 12**	**1113 ± 13**

CR	14	8	52	1050	2.2	0.18239 ± 1.19	1.93741 ± 1.59	1080	1094	1122 ± 20	1125 ± 21
LR	18	8	58	1608	2.5	0.18127 ± 0.92	1.92836 ± 1.15	1074	1091	1125 ± 13	1129 ± 14
LR	21	6	184	7645	3.4	0.19622 ± 0.48	2.19634 ± 0.58	1155	1180	1226 ± 6	1230 ± 10
LR	35	8	52	3360	3.6	0.22169 ± 0.62	2.71098 ± 0.84	1291	1332	1398 ± 10	1403 ± 11
LR	24	15	110	2480	6.1	0.22460 ± 1.03	2.75645 ± 1.12	1306	1344	1404 ± 8	1410 ± 10
LR	17	5	151	737	4.5	0.23391 ± 0.64	2.88062 ± 1.44	1355	1377	1411 ± 23	1414 ± 23
LR	**15**	**8**	**123**	**3750**	**5.5**	**0.24302 ± 0.65**	**2.99744 ± 0.83**	**1402**	**1407**	**1414 ± 9**	**1415 ± 10**
LR	11	10	126	2120	7.1	0.24216 ± 0.66	3.04448 ± 0.81	1398	1419	1450 ± 8	1453 ± 10
CR	**29**	**7**	**67**	**4360**	**4.4**	**0.25307 ± 0.71**	**3.19480 ± 0.84**	**1454**	**1456**	**1458 ± 8**	**1459 ± 10**
CR	24	10	125	1100	5.9	0.29879 ± 0.98	4.31408 ± 1.23	1685	1696	1709 ± 12	1710 ± 12
LR	**13**	**8**	**112**	**3380**	**6.7**	**0.30478 ± 0.60**	**4.44454 ± 0.77**	**1715**	**1721**	**1728 ± 8**	**1728 ± 10**
LR	18	8	104	4680	10.4	0.30205 ± 0.77	4.42569 ± 0.86	1702	1717	1736 ± 7	1738 ± 10
CR	14	8	54	1756	8.9	0.31072 ± 0.81	4.63198 ± 0.94	1744	1755	1768 ± 8	1769 ± 10
LR	**19**	**8**	**245**	**11340**	**7.9**	**0.31514 ± 0.51**	**4.72586 ± 0.57**	**1766**	**1772**	**1779 ± 4**	**1779 ± 10**
						Zabriskie Quartzite					
CR	**21**	**6**	**90**	**3875**	**7.8**	**0.17952 ± 0.66**	**1.86093 ± 0.88**	**1064**	**1067**	**1073 ± 11**	**1074 ± 12**
CR	13	16	421	3111	5.8	0.15224 ± 0.53	1.58435 ± 0.88	914	964	1081 ± 13	1096 ± 16
CR	**7**	**7**	**66**	**735**	**6.7**	**0.18315 ± 1.92**	**1.92667 ± 2.16**	**1084**	**1090**	**1103 ± 19**	**1104 ± 20**
CR	**8**	**5**	**87**	**1625**	**17.1**	**0.18889 ± 1.70**	**2.02196 ± 1.83**	**1115**	**1123**	**1138 ± 13**	**1139 ± 14**
CR	**7**	**10**	**28**	**252**	**7.2**	**0.19532 ± 3.78**	**2.10786 ± 4.03**	**1150**	**1151**	**1154 ± 28**	**1154 ± 30**
LR	**9**	**8**	**152**	**2602**	**4.8**	**0.24620 ± 0.66**	**3.04822 ± 0.78**	**1419**	**1420**	**1421 ± 7**	**1421 ± 10**
LR	6	15	130	916	10.7	0.28773 ± 0.83	4.10643 ± 1.22	1630	1656	1688 ± 15	1690 ± 16
LR	12	9	152	3552	8.8	0.27013 ± 0.58	3.87095 ± 0.75	1541	1607	1696 ± 8	1702 ± 10
CR	**18**	**12**	**76**	**2168**	**4.5**	**0.31401 ± 0.66**	**4.67159 ± 0.78**	**1760**	**1762**	**1764 ± 7**	**1764 ± 10**
LR	**12**	**8**	**157**	**4990**	**7.2**	**0.31694 ± 0.77**	**4.73639 ± 0.85**	**1775**	**1774**	**1773 ± 6**	**1772 ± 10**
LR	6	8	110	1594	10.9	0.30629 ± 1.16	4.57986 ± 1.27	1722	1746	1774 ± 9	1775 ± 10
LR	**8**	**10**	**157**	**2570**	**7.7**	**0.31400 ± 0.62**	**4.69799 ± 0.72**	**1760**	**1767**	**1775 ± 6**	**1775 ± 10**
LR	9	9	100	1922	5.5	0.31147 ± 0.77	4.68213 ± 0.89	1748	1764	1783 ± 8	1784 ± 10
LR	5	18	64	357	7.5	0.31917 ± 1.71	4.88909 ± 2.21	1786	1800	1817 ± 23	1819 ± 24
LR	**16**	**8**	**87**	**3551**	**7.4**	**0.32758 ± 0.60**	**5.05005 ± 0.74**	**1827**	**1828**	**1829 ± 7**	**1829 ± 10**
LR	10	6	161	5400	10.1	0.31734 ± 0.95	4.92588 ± 1.06	1777	1807	1841 ± 9	1844 ± 10
LR	**22**	**7**	**156**	**9630**	**5.5**	**0.32911 ± 0.52**	**5.12001 ± 0.57**	**1834**	**1839**	**1846 ± 5**	**1846 ± 10**
LR	43	8	192	20480	9.4	0.32069 ± 0.51	5.00336 ± 0.55	1793	1820	1851 ± 4	1853 ± 10
LR	**9**	**11**	**135**	**3800**	**8.3**	**0.51537 ± 0.55**	**12.98180 ± 0.60**	**2680**	**2678**	**2677 ± 4**	**2677 ± 10**
LR	19	6	56	5870	3.5	0.53692 ± 0.85	14.89910 ± 0.89	2771	2809	2836 ± 4	2838 ± 10
LR	**4**	**7**	**74**	**1632**	**4.1**	**0.61244 ± 1.01**	**20.09080 ± 1.05**	**3080**	**3096**	**3106 ± 4**	**3106 ± 10**

LR	29	7	86	13230	1.9	0.60646 ± 0.51	20.06370 ± 0.55	3056	3094	3120 ± 3	3121 ± 10
						Proveedora Quartzite					
CS	14	12	42	396	4.0	0.12404 ± 2.04	1.26689 ± 2.48	752	829	1042 ± 27	1068 ± 32
LS	28	105	395	1105	5.4	0.17390 ± 0.31	1.81483 ± 0.61	1033	1050	1086 ± 10	1090 ± 10
LS	**23**	**11**	**263**	**6300**	**5.7**	**0.18810 ± 0.35**	**1.98197 ± 0.41**	**1101**	**1098**	**1091 ± 4**	**1091 ± 10**
CS	**60**	**10**	**78**	**550**	**4.8**	**0.18368 ± 1.89**	**1.92445 ± 2.13**	**1087**	**1089**	**1094 ± 19**	**1095 ± 20**
CS	**15**	**7**	**75**	**1990**	**4.3**	**0.18395 ± 0.76**	**1.93008 ± 0.81**	**1089**	**1091**	**1098 ± 6**	**1098 ± 10**
CS	27	10	181	540	5.2	0.16831 ± 1.82	1.76201 ± 2.07	1002	1031	1092 ± 19	1099 ± 20
LS	27	68	265	1175	5.2	0.18160 ± 0.32	1.90758 ± 0.58	1075	1083	1099 ± 9	1101 ± 10
CS	**28**	**8**	**176**	**750**	**5.4**	**0.18678 ± 1.60**	**1.96423 ± 1.75**	**1104**	**1103**	**1102 ± 14**	**1102 ± 14**
CS	**22**	**8**	**89**	**2900**	**6.7**	**0.18591 ± 0.53**	**1.95476 ± 0.65**	**1098**	**1100**	**1102 ± 7**	**1102 ± 10**
YS	22	9	210	6000	5.9	0.18411 ± 0.38	1.93642 ± 0.43	1088	1094	1102 ± 4	1103 ± 10
LS	**20**	**7**	**196**	**6480**	**7.5**	**0.18714 ± 0.35**	**1.97018 ± 0.40**	**1105**	**1105**	**1104 ± 4**	**1104 ± 10**
CS	**19**	**5**	**105**	**4790**	**6.3**	**0.18790 ± 0.35**	**1.97912 ± 0.43**	**1109**	**1108**	**1105 ± 5**	**1105 ± 10**
LS	**28**	**7**	**138**	**6300**	**6.4**	**0.18629 ± 0.31**	**1.94800 ± 0.38**	**1110**	**1109**	**1106 ± 4**	**1105 ± 10**
YS	**32**	**47**	**167**	**1280**	**3.4**	**0.18820 ± 0.33**	**1.98344 ± 0.59**	**1111**	**1109**	**1106 ± 9**	**1106 ± 10**
CS	**33**	**17**	**44**	**1010**	**4.3**	**0.18541 ± 0.62**	**1.95348 ± 0.84**	**1096**	**1099**	**1105 ± 11**	**1107 ± 10**
CS	**20**	**45**	**38**	**212**	**3.1**	**0.18576 ± 1.12**	**1.95773 ± 2.99**	**1098**	**1101**	**1107 ± 52**	**1107 ± 54**
LS	**31**	**15**	**66**	**1530**	**5.3**	**0.18624 ± 0.52**	**1.96323 ± 0.66**	**1100**	**1102**	**1107 ± 8**	**1107 ± 10**
YS	15	6	222	7250	4.9	0.18517 ± 0.41	1.95251 ± 0.45	1095	1099	1108 ± 4	1108 ± 10
CS	23	46	79	430	3.4	0.16920 ± 0.59	1.78046 ± 1.43	1006	1037	1101 ± 24	1109 ± 26
CS	**30**	**8**	**28**	**1340**	**5.8**	**0.14736 ± 0.73**	**1.53361 ± 0.83**	**1113**	**1112**	**1110 ± 9**	**1109 ± 11**
LS	**31**	**32**	**355**	**3880**	**5.4**	**0.18708 ± 0.30**	**1.97347 ± 0.42**	**1105**	**1106**	**1108 ± 6**	**1109 ± 10**
CS	25	11	58	1340	3.9	0.18856 ± 0.95	1.99045 ± 1.03	885	944	1080 ± 8	1110 ± 10
YS	23	29	167	1430	0.9	0.17952 ± 0.36	2.00247 ± 0.52	1063	1115	1219 ± 7	1228 ± 10
CS	**21**	**7**	**61**	**2490**	**4.6**	**0.21120 ± 0.63**	**2.37472 ± 0.67**	**1235**	**1235**	**1235 ± 4**	**1235 ± 10**
LS	32	24	134	2700	5.8	0.24421 ± 0.32	3.02534 ± 0.48	1408	1414	1422 ± 6	1423 ± 10
LS	29	145	155	405	3.9	0.19984 ± 0.42	2.47317 ± 1.27	1173	1263	1419 ± 21	1432 ± 22
LS	27	76	219	845	5.0	0.18367 ± 0.34	2.26923 ± 0.66	1086	1202	1417 ± 10	1434 ± 14
LS	33	29	134	560	3.5	0.23338 ± 0.67	2.91152 ± 1.05	1351	1384	1436 ± 14	1439 ± 15
LS	27	315	369	405	3.8	0.21138 ± 0.40	2.64016 ± 1.34	1235	1310	1436 ± 22	1447 ± 22
DS	**29**	**29**	**282**	**5100**	**9.9**	**0.30865 ± 0.29**	**4.52421 ± 0.35**	**1734**	**1735**	**1737 ± 3**	**1737 ± 10**
LS	**22**	**7**	**152**	**9600**	**10.1**	**0.31703 ± 0.32**	**4.74364 ± 0.35**	**1773**	**1774**	**1775 ± 3**	**1775 ± 10**
LS	25	145	181	525	5.2	0.30923 ± 0.36	4.68591 ± 0.83	1737	1764	1797 ± 12	1800 ± 10
DS	19	92	346	1630	11.3	0.42228 ± 0.30	10.13140 ± 0.35	2272	2449	2599 ± 3	2602 ± 10
DS	19	58	269	2450	20.3	0.51300 ± 0.30	14.16000 ± 0.36	2669	2761	2829 ± 3	2830 ± 10

DS	29	115	249	1670	2.8	0.49948 ± 0.30	13.89360 ± 0.34	2613	2744	2842 ± 3	2844 ± 10
						Tapeats Sandstone					
CR	**8**	**8**	**52**	**595**	**4.1**	**0.17494 ± 2.08**	**1.78988 ± 2.20**	**1039**	**1042**	**1047 ± 15**	**1047 ± 16**
CE	7	82	441	281	4.6	0.11831 ± 0.99	1.43412 ± 1.65	721	903	1381 ± 24	1424 ± 38
CR	5	34	1146	1185	7.2	0.11478 ± 0.59	1.39467 ± 0.81	700	887	1385 ± 10	1432 ± 32
CR	7	8	207	2510	12.0	0.22174 ± 0.64	2.75861 ± 0.76	1291	1344	1430 ± 6	1435 ± 10
CE	10	82	853	432	4.7	0.06560 ± 0.75	0.77015 ± 1.49	409	578	1316 ± 24	1438 ± 20
CE	9	65	564	510	4.1	0.10318 ± 0.66	1.25046 ± 1.22	632	822	1378 ± 18	1438 ± 20
CR	14	23	223	1980	5.4	0.23792 ± 0.49	2.97073 ± 0.74	1375	1400	1437 ± 10	1438 ± 10
CE	11	68	918	599	5.7	0.06409 ± 0.73	0.75604 ± 1.32	400	570	1326 ± 20	1438 ± 20
CR	9	18	167	2548	8.7	0.22234 ± 0.98	2.77201 ± 1.11	1294	1348	1434 ± 10	1439 ± 10
LR	16	9	103	2540	5.9	0.21634 ± 0.65	2.69497 ± 0.80	1263	1327	1433 ± 9	1439 ± 10
LR	18	28	64	369	4.0	0.14757 ± 0.98	1.82453 ± 1.61	888	1056	1421 ± 23	1448 ± 29
CE	6	11	253	1390	6.5	0.16162 ± 1.30	2.00917 ± 1.49	966	1119	1430 ± 13	1451 ± 20
CE	7	7	62	798	6.3	0.20731 ± 1.73	2.80122 ± 1.86	1215	1356	1586 ± 12	1600 ± 16
CE	22	11	54	1295	4.8	0.18819 ± 0.79	2.63778 ± 0.94	1112	1312	1655 ± 9	1676 ± 16
CE	8	6	123	2975	5.3	0.28950 ± 0.69	4.12185 ± 0.78	1639	1659	1684 ± 7	1685 ± 10
LR	10	13	209	2390	8.0	0.23112 ± 0.58	3.28597 ± 0.66	1340	1477	1681 ± 5	1692 ± 10
CE	5	1110	2123	99	1.8	0.14102 ± 1.34	1.97746 ± 3.75	850	1108	1656 ± 61	1696 ± 68
CE	5	22	597	1430	9.5	0.17164 ± 0.73	2.44543 ± 0.83	1021	1256	1685 ± 7	1712 ± 19
CR	16	11	27	690	9.3	0.26632 ± 1.40	3.84667 ± 1.60	1521	1602	1710 ± 14	1715 ± 14
LE	8	9	176	2570	8.4	0.27105 ± 0.59	3.95136 ± 0.70	1546	1624	1727 ± 7	1732 ± 28
LR	13	100	951	830	8.4	0.10785 ± 0.54	1.54338 ± 1.02	659	947	1692 ± 15	1760 ± 58
CR	8	38	128	695	7.0	0.41480 ± 0.86	9.13585 ± 1.00	2237	2352	2453 ± 8	2456 ± 10
						Bolsa Quartzite					
LR	**70**	**6**	**146**	**898**	**5.3**	**0.08138 ± 1.89**	**0.64828 ± 2.19**	**504**	**507**	**521 ± 23**	**525 ± 28**
CE	25	17	29	385	4.0	0.13985 ± 1.80	1.44985 ± 2.31	844	910	1074 ± 28	1096 ± 32
CE	29	8	32	1290	5.2	0.18160 ± 0.99	1.90567 ± 1.17	1076	1083	1098 ± 12	1100 ± 12
CE	20	9	44	1200	5.2	0.18199 ± 1.04	1.91423 ± 1.23	1078	1086	1103 ± 13	1104 ± 14
LR	**12**	**5**	**59**	**1380**	**5.5**	**0.18719 ± 1.43**	**1.97035 ± 1.66**	**1106**	**1105**	**1104 ± 16**	**1104 ± 17**
CR	**28**	**10**	**26**	**840**	**6.0**	**0.18511 ± 1.22**	**1.95034 ± 1.50**	**1095**	**1099**	**1106 ± 17**	**1107 ± 18**
CR	**19**	**10**	**251**	**1120**	**4.8**	**0.18750 ± 1.01**	**1.97642 ± 1.22**	**1108**	**1108**	**1107 ± 13**	**1107 ± 14**
CR	**48**	**8**	**39**	**2650**	**4.3**	**0.18794 ± 0.65**	**1.98111 ± 0.82**	**1110**	**1109**	**1107 ± 10**	**1107 ± 10**
LR	**15**	**6**	**85**	**1730**	**5.6**	**0.18823 ± 1.13**	**1.98579 ± 1.33**	**1112**	**1111**	**1109 ± 13**	**1108 ± 14**
CE	**9**	**8**	**123**	**330**	**3.8**	**0.18890 ± 3.80**	**1.99481 ± 4.12**	**1115**	**1114**	**1111 ± 32**	**1110 ± 34**

CE	**20**	**26**	**32**	**292**	**3.3**	**0.18806 ± 1.32**	**1.98732 ± 1.97**	**1111**	**1111**	**1112 ± 28**	**1112 ± 29**
CE	13	6	109	445	4.8	0.17495 ± 3.62	1.84495 ± 3.97	1039	1062	1108 ± 32	1113 ± 34
CR	**64**	**21**	**111**	**3780**	**4.9**	**0.18720 ± 0.58**	**1.97855 ± 0.86**	**1106**	**1108**	**1112 ± 12**	**1113 ± 12**
CR	**28**	**15**	**51**	**1075**	**4.6**	**0.18890 ± 0.79**	**1.99816 ± 1.07**	**1115**	**1115**	**1114 ± 14**	**1114 ± 14**
LR	**24**	**22**	**45**	**520**	**3.9**	**0.16843 ± 0.99**	**1.78305 ± 1.76**	**1004**	**1039**	**1115 ± 27**	**1124 ± 29**
CR	**39**	**9**	**40**	**2280**	**3.0**	**0.21500 ± 0.76**	**2.45524 ± 0.93**	**1255**	**1259**	**1265 ± 10**	**1266 ± 10**
CR	33	10	133	1460	3.0	0.20584 ± 0.86	2.35168 ± 1.02	1207	1228	1266 ± 10	1270 ± 10
CE	26	16	154	3190	4.3	0.20951 ± 0.66	2.41410 ± 0.80	1226	1247	1283 ± 8	1286 ± 10
CR	**44**	**9**	**41**	**3200**	**2.9**	**0.24713 ± 0.65**	**3.07438 ± 0.78**	**1424**	**1426**	**1430 ± 8**	**1431 ± 10**
LR	20	14	250	1085	5.2	0.27416 ± 0.78	3.73599 ± 0.94	1562	1579	1602 ± 9	1605 ± 10
CE	20	77	140	167	2.4	0.24224 ± 1.14	3.31268 ± 2.50	1398	1484	1609 ± 39	1619 ± 40
LR	**15**	**6**	**99**	**4800**	**8.2**	**0.28817 ± 0.55**	**3.98857 ± 0.66**	**1632**	**1632**	**1631 ± 7**	**1632 ± 10**
						Coronado Sandstone					
CR	**22**	**13**	**121**	**1760**	**4.0**	**0.07862 ± 0.56**	**0.62058 ± 0.79**	**488**	**490**	**502 ± 12**	**503 ± 14**
LR	27	9	161	515	5.8	0.16416 ± 2.06	1.82402 ± 2.45	980	1054	1211 ± 24	1226 ± 26
LR	30	10	124	435	4.0	0.18190 ± 2.21	2.02978 ± 2.67	1077	1126	1220 ± 28	1228 ± 29
CR	68	23	30	965	4.4	0.17838 ± 0.70	2.03474 ± 0.99	1058	1127	1263 ± 13	1274 ± 14
CR	16	40	162	795	6.6	0.20148 ± 0.54	2.47295 ± 0.96	1183	1261	1405 ± 14	1415 ± 16
LR	62	18	20	782	4.2	0.18530 ± 0.78	2.26935 ± 0.99	1096	1203	1400 ± 11	1416 ± 14
CR	69	78	212	1460	5.1	0.21624 ± 0.90	2.66481 ± 1.03	1262	1319	1412 ± 10	1419 ± 10
LR	86	11	73	822	2.9	0.21993 ± 1.14	2.72043 ± 1.36	1282	1334	1419 ± 13	1425 ± 14
LR	25	21	57	845	8.2	0.20759 ± 0.68	2.56681 ± 1.00	1216	1291	1419 ± 13	1428 ± 14
LR	69	13	143	923	4.4	0.19407 ± 0.87	2.39452 ± 1.10	1143	1241	1412 ± 12	1428 ± 14
CR	23	16	50	778	4.1	0.17169 ± 0.86	2.11223 ± 1.17	1021	1153	1409 ± 14	1430 ± 18
LR	40	12	231	1058	7.3	0.22014 ± 0.83	2.73693 ± 1.01	1283	1339	1429 ± 10	1436 ± 12
LR	24	44	110	718	3.1	0.19935 ± 0.59	2.47567 ± 1.05	1172	1265	1427 ± 15	1439 ± 17
LR	44	11	27	1690	10.0	0.26206 ± 0.65	3.73722 ± 0.79	1500	1579	1687 ± 8	1693 ± 10
CR	78	10	111	1085	6.2	0.19973 ± 0.94	2.83410 ± 1.10	1174	1364	1677 ± 10	1700 ± 16
LR	14	11	71	1418	9.0	0.24917 ± 0.78	3.60841 ± 0.88	1434	1551	1715 ± 7	1725 ± 10
CR	93	11	84	1145	8.6	0.26509 ± 0.84	3.85515 ± 0.99	1516	1604	1723 ± 10	1729 ± 10
LR	40	11	22	1062	8.9	0.22123 ± 0.88	3.20439 ± 1.01	1288	1458	1715 ± 9	1732 ± 13
LR	92	15	49	562	10.0	0.29746 ± 1.22	4.35526 ± 1.40	1678	1704	1735 ± 12	1737 ± 12
LR	26	10	28	1272	4.8	0.27555 ± 0.84	4.10129 ± 0.94	1569	1655	1765 ± 8	1771 ± 10
LR	24	7	28	1905	9.0	0.31384 ± 0.80	4.85668 ± 0.89	1760	1795	1836 ± 7	1838 ± 10
LR	22	10	45	1965	3.0	0.31393 ± 0.69	5.19090 ± 0.76	1760	1851	1955 ± 5	1960 ± 10

* = radiogenic Pb
Analyses in bold are concordant.
Grain type: C = colorless, L = light pink, M = medium pink, D = dark pink, Y = yellowish, R = rounded, E = euhedral.
All grains abraded to ~70% of original diameter with air abrador.
$(^{206}Pb / ^{204}Pb)_m$ is measured ratio, uncorrected for blank, spike, or fractionation.
$(^{206}Pb / ^{208}Pb)_c$ is corrected for blank, spike, and fractionation.
Uncertainty of Pb*/U ratios is in percent.
Uncertainty of $^{207}Pb^*/^{206}Pb^*$ ages is in Ma.
Concentrations have an uncertainty of up to 25% due to uncertainty of weight of grain
Constants used: $\lambda^{235} = 9.8485X10^{-10}$, $\lambda^{238} = 1.55125X10^{-10}$, $^{238}U/^{235}U = 137.88$.
All uncertainties are at the 95% confidence level.
Isotope ratios are adjusted as folllows:
(1) Mass dependent corrections factors of: 0.14 ±0.06 %/amu for Pb and 0.04 ±0.04 %/amu for UO_2.
(2) Pb ratios corrected for 0.005 ± 0.003 ng blank with $^{206}Pb/^{204}Pb = 18.6 \pm 0.3$, $^{207}Pb/^{204}Pb = 15.5 \pm 0.3$,and $^{208}Pb/^{204}Pb = 38.0 \pm 0.8$.
(3) U has been adjusted for 0.0005 ± 0.0005 ng blank.
(4) Initial Pb from Stacey and Kramers (1975), with uncertainties of 1.0 for $^{206}Pb/^{204}Pb$, 0.3 for $^{207}Pb/^{204}Pb$, and 2.0 for $^{208}Pb/^{204}Pb$.
Projected ages are upper intercepts projected from 80 ± 80 Ma. The minimum uncertainty for each individual age is 10 Ma.