

DATA REPOSITORY ITEM 2002019

SHRIMP Analytical Technique

U-Pb compositions were measured using the Australian National University's SHRIMP I and II ion microprobes using a standard technique described in Compston et al. (1984). Zircon ages were calculated using $^{206}\text{Pb}/^{238}\text{U}$ for grains younger than 800 Ma and corrected for common Pb using ^{207}Pb ; for grains older than 800 Ma, ages were based on $^{207}\text{Pb}/^{206}\text{Pb}$ and corrected for common Pb using either ^{204}Pb or ^{208}Pb .

Compston, W., Williams, I.S., and Meyer, C., 1984, U-Pb geochronology of zircons from lunar breccia 73217 using a sensitive high mass-resolution ion microprobe: Journal of Geophysical Research Supplement, v. 89, p. 525-534.

Following are keys to the codes used in the data tables describing the SHRIMP U-Pb analytical results for each sample.

Correction (Corr) Code

This column describes the type of common Pb correction applied to each analysis.

- 1 - $^{206}\text{Pb}/^{238}\text{U}$ age corrected using ^{207}Pb
- 2 - $^{207}\text{Pb}/^{206}\text{Pb}$ age corrected using ^{208}Pb
- 3 - $^{207}\text{Pb}/^{206}\text{Pb}$ age corrected using ^{204}Pb

Note that count times were tailored for the measurement of $^{206}\text{Pb}/^{238}\text{U}$ as opposed to $^{207}\text{Pb}/^{206}\text{Pb}$ ratios and count times for ^{204}Pb were often minimised and this is reflected in the occasionally large errors on $^{207}\text{Pb}/^{206}\text{Pb}$ ages. When ^{204}Pb was measured for insufficient time, the ^{208}Pb correction was applied to calculate $^{207}\text{Pb}/^{206}\text{Pb}$ ages.

GRAIN AREA CODE (AREA)

This describes the position of the ion probe pit in relation to the general morphology of the zircon grain analysed according to the sketch in Figure 1 where:

centre - centre

edge - edge

rim - rim

core - core

inner rim - inrim

core edge - co edge

termination - term.

Note: the ion beam was often positioned to overlap the plastic resin enclosing the zircon, to ensure that no overlap of the pit occurred across growth bands.

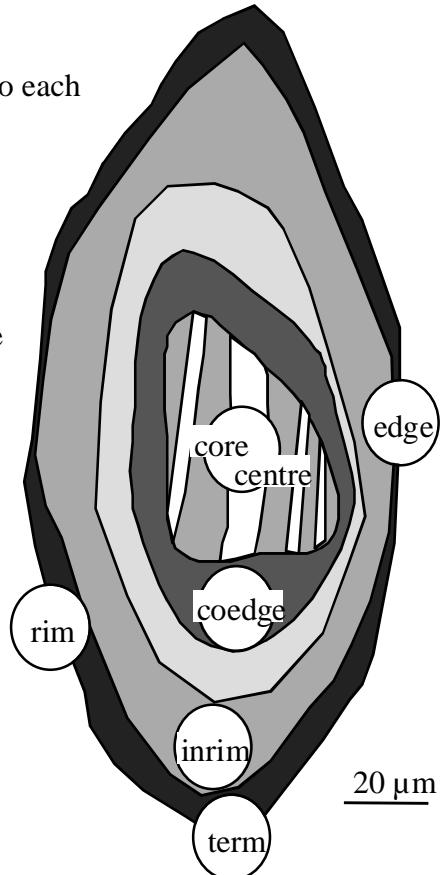


Figure 1: Sketch of zircon grain displaying the origin of the descriptive terms for zircon morphology used in this appendix.

ZIRCON DESCRIPTION CODE (TYPE)

This code gives a brief description of the type of internal zircon structure analysed.

UXC - Unzoned xenocrystic core

OXC - Oscillatory zoned xenocrystic core

IXC - Irregularly zoned xenocrystic core

OZ - Oscillatory zoned grain (sometimes with sector zoning)

IZ - Irregularly zoned grain

OO - Oscillatory zoned overgrowth

UOL - Unzoned overgrowth low luminescence

UOS - Unzoned overgrowth strong luminescence

LOL - Latest overgrowth low luminescence

LOS - Latest overgrowth strong luminescence

SF - Seam infilling fracture

NS - Non-luminescent seam surrounding core

LM - Low luminescent mantle surrounding core

RZ - Recrystallised zone

MZ - Mottled, inclusion rich zone altering pre-existing structures

MZO - Mottled, inclusion rich zone forming overgrowth

MIX - Overlap of different zones

SZ - Sector-zoned grain

AD - Abraded detrital grain

Note: f% is the percentage common Pb for each analysis.

Note: Only the Pre-Carboniferous ages used in this paper are lodged in the repository.

Zircon U-Pb Analytical Results

FL9602 Folegandros Pelite (Z2633, 97787)

Unit: Series, n=28, grains = 19, Pre-Carboniferous ages = 16

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.1	397	0.03	0.20	1.09998	0.01621	0.12575	0.00193	2022.6	32.2	3	core	oz
1.2	348	0.10	0.10	1.25809	0.02448	0.12718	0.00263	2044.1	38.0	3	rim	oz
2.1	179	0.06	0.66	0.25516	0.00634	0.06152	0.00302	451.9	11.1	1	term	oz
3.1	160	0.11	0.20	1.72922	0.02882	0.20821	0.00322	2880.1	26.2	3	rim	oz
5.1	294	0.30	0.30	0.07346	0.00396	0.05794	0.00208	429.7	23.5	1	core	oxc
8.1	106	0.44	0.50	0.41273	0.01076	0.09191	0.00222	1373.3	84.1	3	core	ixc
8.2	433	0.19	1.53	0.27761	0.01453	0.08185	0.00245	904.5	44.3	1	rim	oz
10.1	354	0.57	0.20	0.50487	0.01382	0.20801	0.00179	2879.9	15.2	3	core	oz
12.1	496	0.47	0.30	0.32396	0.04548	0.19082	0.00500	2732.6	47.6	3	term	oz
13.1	644	0.19	0.58	0.14286	0.01110	0.05927	0.00115	744.8	55.6	1	rim	oz
14.1	553	0.11	0.70	0.17194	0.00226	0.06311	0.00121	502.0	6.4	1	rim	oz
15.1	226	0.29	8.89	0.22729	0.00535	0.13242	0.00114	529.6	12.1	1	rim	oz
16.1	44	0.48	7.66	0.22729	0.00535	0.12231	0.00428	536.4	12.3	1	rim	oz
17.1	123	0.16	1.41	0.22729	0.00535	0.07095	0.00255	571.2	13.0	1	rim	oz
18.1	91	0.62	15.73	0.22729	0.00535	0.18875	0.00492	491.3	11.3	1	rim	oz
19.1	550	0.10	1.43	0.22729	0.00535	0.07106	0.00104	571.1	13.0	1	term	oz

IO9403 Ios Orthogneiss (Z1978, 97759)

Unit: Basement, Analyses: 26, Grains: 24, Pre-Carboniferous Ages: 8

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
4.1	273	0.19	0.75	0.17015	0.00135	0.06324	0.00087	486.4	3.8	1	in rim	oz
6.1	103	0.41	0.32	0.21208	0.00128	0.06254	0.00069	597.6	3.6	1	core	oxc
8.1	319	0.27	0.21	0.15274	0.00135	0.05681	0.00081	413.0	3.8	1	core	ixc
10.1	717	1.34	2.70	0.55361	0.00366	0.11183	0.00080	1090.3	40.0	2	centre	oz
11.1	338	0.65	0.57	0.16152	0.00092	0.06139	0.00047	474.5	2.7	1	centre	oz
12.1	158	0.45	0.36	0.21176	0.00268	0.06423	0.00105	647.9	7.8	1	centre	oz
15.1	258	0.99	0.26	0.21607	0.00286	0.06045	0.00067	540.5	7.4	1	core	oxc
24.1	251	0.15	0.39	0.17407	0.00200	0.05949	0.00062	460.7	5.4	1	centre	oz

IO9404 Ios Orthogneiss (Z1978, 97760)

Unit: Basement, Analyses: 8, Grains: 8, Pre-Carboniferous Ages: 3

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
2.1	239	0.64	0.09	0.23195	0.00197	0.06244	0.00037	664.5	5.5	1	core	oxc
3.1	447	0.26	0.09	0.22455	0.00157	0.06154	0.00035	633.0	4.4	1	core	oxc
8.1	51	0.44	0.24	0.29272	0.00279	0.06797	0.00071	805.4	7.4	1	rim	oz

Ios Orthogneiss (Z2405, 89640)

Unit: Basement, Analyses: 13, Grains: 12, Pre-Carboniferous Ages: 2

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.1	433	0.53	0.75	0.15565	0.00202	0.06106	0.00245	403.8	5.4	1	rim	oz
2.1	134	0.44	2.17	0.10027	0.00529	0.07312	0.00758	416.9	22.4	1	term	oz

IO9607 Ios Leucogneiss (Z2665, 97761)

Unit: Basement, Analyses: 13, Grains: 11, Pre-Carboniferous Ages: 8

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.1	67	0.28	0.11	0.22064	0.00861	0.05960	0.00483	545.0	20.4	1	core	oxc
4.1	47	1.64	-1.31	1.05836	0.01417	0.15897	0.00508	2436.7	77.6	2	core	oxc
5.1	120	0.89	1.27	0.17400	0.00356	0.06595	0.00253	411.2	8.2	1	centre	oz
6.1	177	0.25	0.06	0.17485	0.00310	0.05569	0.00214	410.9	7.1	1	centre	oz
8.1	112	0.23	4.72	0.48116	0.02136	0.11555	0.00189	1087.6	44.5	1	core	oxc
8.3	244	0.69	0.18	0.53498	0.01573	0.08161	0.00052	1258.9	17.8	2	core	oxc
9.1	652	0.01	-0.21	0.14032	0.01640	0.05383	0.00085	428.8	48.5	1	term	oz
11.1	320	0.08	5.70	0.13693	0.01132	0.10714	0.00242	576.1	46.3	1	core	iz

IO9606 Ios Garnet Mica Schist (Z2665, 97762)

Unit: Basement, Analyses: 11, Grains: 11, Pre-Carboniferous Ages: 11

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.1	210	0.82	-0.13	0.27108	0.00308	0.05899	0.00219	595.7	6.5	1	core	oz
2.1	159	1.27	0.17	0.28339	0.00361	0.06028	0.00065	550.3	7.1	1	rim	oz
3.1	322	0.22	0.37	0.14943	0.00698	0.05839	0.00244	413.0	18.8	1	edge	oz
4.1	176	0.13	-0.28	0.13870	0.00977	0.05319	0.00654	428.4	29.3	1	term	oz
5.1	217	0.05	0.87	0.96743	0.01063	0.11456	0.00308	1859.0	54.9	2	core	oxc
6.1	356	0.81	0.09	0.24639	0.00514	0.05965	0.00130	553.6	11.1	1	edge	oz
7.1	222	0.30	0.78	0.23304	0.00821	0.06390	0.00468	493.1	16.7	1	term	oz
8.1	251	0.05	1.69	0.32838	0.01566	0.07723	0.00288	695.9	31.5	1	term	oz
9.1	179	0.08	1.75	0.30410	0.00667	0.07635	0.00163	657.1	13.8	1	core	iz
10.1	55	0.35	0.65	0.30136	0.01368	0.07320	0.00119	853.4	36.4	1	edge	iz
11.1	398	0.04	7.43	0.23563	0.01300	0.12288	0.00219	627.7	33.1	1	edge	oo

IO9609 Ios Garnet Mica Schist (Z2665, 97763)

Unit: Basement, Analyses: 10, Grains: 7, Pre-Carboniferous Ages: 7

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.2	64	0.49	0.08	0.39149	0.00619	0.07278	0.00063	977.9	14.4	1	rim	oz
2.2	201	0.46	-0.11	0.40237	0.00806	0.07303	0.00112	1027.8	19.1	1	rim	oz
3.1	225	0.15	0.19	0.17923	0.01143	0.05889	0.00057	497.7	30.6	1	term	oz
3.2	102	0.82	0.01	0.25293	0.00240	0.06056	0.00063	613.4	5.5	1	core	oz
5.1	40	2.05	0.27	0.25439	0.00349	0.06199	0.00117	586.0	7.7	1	core	iz
6.1	248	0.08	0.15	0.15781	0.00423	0.05600	0.00100	396.3	10.3	1	term	oz
7.1	23	0.61	0.71	0.22087	0.00478	0.06565	0.00193	586.7	12.2	1	centre	oz

Ios Glaucophane Schist (Z2405, 89639)

Unit: Series, Analyses: 43, Grains: 32, Pre-Carboniferous Ages: 1

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
24.2	162	0.16	1.23	0.23295	0.00202	0.06719	0.00324	490.7	4.1	1	core	oxc

IO9615 Ios Garnet-Glaucophane Schist (Z2644, 97786)

Unit: Series, Analyses: 24, Grains: 21, Pre-Carboniferous Ages: 1

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
3.1	331	0.06	0.23	0.37151	0.00901	0.06317	0.00053	647.1	15.2	1	rim	oz

90346 Ios Quartz-Phengite Schist (Z2405, 90346)

Unit: Series, Analyses: 40, Grains: 38, Pre-Carboniferous Ages: 3

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
13.1	227	0.46	4.33	0.23527	0.01209	0.10885	0.00113	1051.6	50.7	1	edge	oz
28.2	129	0.99	0.90	0.29734	0.00415	0.06981	0.00156	684.7	9.6	1	rim	uol
33.1	59	1.84	1.12	0.39523	0.00711	0.08078	0.00242	972.4	16.4	1	centre	oxc

NX9314 Naxos Layered Acid Gneiss (Z1889, 97767)

Unit: Basement, Analyses: 27, Grains: 26, Pre-Carboniferous Ages: 3

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
22.1	351	0.19	0.76	0.15977	0.00870	0.06385	0.00280	507.6	26.6	1	rim	ixc
23.1	563	0.11	0.57	0.13670	0.00781	0.06303	0.00089	532.9	29.3	1	core	ixc
26.1	144	0.46	0.52	0.10400	0.00293	0.05825	0.00100	361.3	9.9	1	rim	oz

NX9485 Naxos Layered Acid Gneiss (Z2645, 97768)

Unit: Basement, Analyses: 15, Grains: 12, Pre-Carboniferous Ages: 1

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
10.1	203	0.09	0.11	0.25192	0.00570	0.05973	0.00105	555.1	12.1	1	core	oxc

NX9638 Naxos Migmatite (Z2665, 97773)

Unit: Basement, Analyses: 32, Grains: 22, Pre-Carboniferous Ages: 7

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
2.2	76	0.30	1.57	0.18384	0.00534	0.06839	0.00259	406.6	11.4	1	core	ixc
6.2	54	0.58	0.88	0.29246	0.00456	0.06988	0.00166	677.2	10.0	1	core	oxc
7.2	583	0.06	0.14	0.16505	0.00122	0.05588	0.00094	392.3	2.8	1	core	oz
11.2	75	0.95	0.27	0.43862	0.00525	0.07761	0.00132	1058.6	11.9	1	core	oxc
13.2	151	0.62	6.20	0.51504	0.00514	0.13252	0.00140	1871.2	30.5	2	core	oxc
14.2	185	0.26	0.43	0.15287	0.00195	0.05827	0.00132	388.7	4.9	1	core	oxc
17.1	269	0.01	0.15	0.09472	0.00220	0.05322	0.00069	386.9	9.9	1	term	oz

NX9461 Naxos Calc-silicate (Z2298, 97779)

Unit: Series, Analyses: 5, Grains: 5, Pre-Carboniferous Ages: 2

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
3.1	103	0.23	1.94	0.23501	0.00292	0.07110	0.00341	431.5	6.4	1	edge	iz
5.1	87	0.18	3.62	0.25679	0.00668	0.08951	0.00541	622.8	15.5	1	core	oz

NX9463 Naxos Calc-silicate (Z2158, 97780)

Unit: Series, Analyses: 18, Grains: 14, Pre-Carboniferous Ages: 10

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
4.1	22	0.28	3.00	0.38082	0.01097	0.09582	0.00572	991.4	26.6	1	core	ixc
5.1	248	0.92	0.74	0.23604	0.00307	0.06506	0.00126	575.2	7.2	1	core	oz
5.2	85	0.60	1.43	0.27378	0.00540	0.07066	0.00276	574.3	11.1	1	rim	oz
6.1	118	0.76	2.81	1.56404	0.03576	0.20037	0.00254	2812.1	21.6	3	edge	iz
6.2	113	0.32	8.63	1.29432	0.01616	0.24995	0.00454	3169.0	29.4	3	edge	iz
7.1	2141	0.06	0.03	0.30502	0.00587	0.06036	0.00094	629.9	12.0	1	co edge	iz
9.1	332	0.27	0.66	0.26271	0.00605	0.06244	0.00122	499.3	11.6	1	term	oz
10.1	752	0.08	0.18	0.14697	0.00140	0.05683	0.00092	431.2	4.2	1	term	oz
12.1	33	1.34	0.47	0.84619	0.01876	0.12783	0.00500	1842.6	106.5	3	core	ixc
13.1	259	0.24	0.70	0.15038	0.00209	0.06148	0.00205	446.6	6.2	1	core	oxc

NX94112 Naxos Calc-silicate (Z2298, 97800)

Unit: Series, Analyses: 7, Grains: 6, Pre-Carboniferous Ages: 1

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
4.1	97	0.19	4.81	0.39152	0.00475	0.10140	0.00391	685.3	7.9	1	core	uxc

NX9464 Naxos Calc-Silicate (Z2038, 97782)

Unit: Series, Analyses: 37, Grains: 21, Pre-Carboniferous Ages: 32

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.1	565	1.08	0.13	0.25363	0.00207	0.06048	0.00056	577.0	4.5	1	in rim	oz
3.1	216	0.93	0.25	0.38934	0.00557	0.07033	0.00148	871.1	11.7	1	in rim	oz
4.1	413	0.09	0.73	0.22396	0.00606	0.06471	0.00127	556.3	14.4	1	core	oz
5.1	171	0.54	0.47	0.27503	0.00224	0.06519	0.00137	646.7	5.0	1	edge	oz
7.1	182	0.51	0.44	0.41222	0.00563	0.07508	0.00197	965.9	12.2	1	core	oxc
8.1	132	0.51	0.61	0.42039	0.00548	0.07706	0.00142	982.8	11.9	1	core	oxc
9.1	99	0.22	3.90	1.32874	0.01695	0.20788	0.00319	2859.2	28.0	3	core	oxc
10.1	146	0.37	0.84	0.18730	0.00376	0.06296	0.00312	452.5	8.8	1	core	oxc
11.1	235	0.89	0.73	0.24355	0.00350	0.06498	0.00166	564.4	7.8	1	rim	oz
12.1	198	0.24	0.88	0.24839	0.00294	0.06671	0.00157	583.8	6.6	1	rim	oz
13.1	175	0.13	2.39	0.16980	0.00210	0.07429	0.00299	401.5	4.8	1	centre	oz
15.1	36	1.03	2.22	0.77203	0.01244	0.12466	0.00365	1711.1	117.5	3	core	oxc
16.1	268	0.33	1.64	0.74418	0.01291	0.11399	0.00138	1836.1	25.6	3	centre	oz
17.1	293	0.51	0.28	0.76248	0.00941	0.10468	0.00114	1677.1	21.9	3	core	oxc
19.1	656	0.33	0.38	0.22771	0.00451	0.06151	0.00125	542.4	10.3	1	core	oxc
20.1	79	0.48	3.11	0.24231	0.00703	0.08433	0.00611	566.8	15.7	1	centre	oz
1.1b	97	0.64	4.55	0.44766	0.01032	0.10546	0.00470	862.4	18.6	1	core	oxc
1.2b	94	0.51	1.67	0.49620	0.00892	0.08505	0.00160	953.8	15.9	1	core	oxc
2.1b	343	0.61	0.74	0.26115	0.00627	0.06668	0.00141	614.7	14.3	1	core	oxc
2.2b	207	0.46	1.60	0.28534	0.00677	0.07430	0.00217	632.7	14.4	1	core	oxc
3.1b	466	0.32	0.71	0.27515	0.00727	0.06669	0.00094	621.3	15.7	1	core	oxc
3.2b	190	0.17	0.62	0.27874	0.00345	0.06687	0.00251	654.6	8.1	1	core	oxc
4.1b	148	0.60	0.77	0.25876	0.00479	0.06608	0.00196	584.2	10.5	1	core	oxc
4.2b	144	0.50	0.67	0.26960	0.00310	0.06585	0.00167	605.0	6.8	1	core	oxc
5.1b	127	0.08	1.52	0.29726	0.00489	0.07404	0.00245	645.7	10.2	1	core	oxc

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
5.2b	115	0.08	2.46	0.28086	0.00934	0.08113	0.00315	621.0	19.7	1	core	oxc
6.1b	489	0.33	0.07	0.44138	0.00288	0.07079	0.00085	918.6	5.7	1	core	oxc
7.1b	442	0.76	1.87	0.27167	0.00771	0.07434	0.00144	552.8	15.0	1	core	oxc
8.1b	431	0.13	6.81	0.19576	0.00756	0.11064	0.00332	363.9	13.7	1	core	oxc
9.1b	377	0.12	1.28	0.23928	0.00381	0.06666	0.00255	446.8	6.9	1	centre	oz
10.1b	369	0.23	0.44	0.23445	0.00378	0.06049	0.00149	478.2	7.4	1	centre	oz
10.2b	403	0.31	0.68	0.21749	0.00227	0.06159	0.00224	441.1	4.4	1	centre	oz

NX94121 Naxos Calc-silicate (Z2155, 97784)

Unit: Series, Analyses: 131, Grains: 95, Pre-Carboniferous Ages: 8

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
22.2a	474	0.19	0.87	0.23206	0.00287	0.06284	0.00114	422.3	5.5	1	rim	oo
30.3a	371	0.49	0.00	0.39787	0.00483	0.06600	0.00139	764.0	9.1	1	core	oxc
39.2a	99	0.33	0.96	0.16812	0.00510	0.04846	0.00609	435.8	12.9	1	core	oz
42.1a	138	0.63	1.82	0.71039	0.02399	0.12068	0.00273	1664.3	63.1	2	centre	iz
1.2b	102	0.39	3.19	0.31568	0.01175	0.08654	0.01358	627.9	22.7	1	core	oz
6.1b	380	0.72	0.64	0.18490	0.00252	0.06316	0.00105	522.3	6.8	1	in rim	oo
12.2b	68	3.20	1.87	0.22150	0.00605	0.07418	0.00550	563.3	14.8	1	core	ixc

NX9490 Naxos Pelite (Z2264, 97781)

Unit: Series, Analyses: 50, Grains: 28, Pre-Carboniferous Ages: 47

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.1	73	1.32	0.40	1.77092	0.03681	0.25342	0.00398	3189.3	28.4	3	core	ixc
1.2	56	1.12	0.60	1.24770	0.02900	0.17607	0.00487	2567.7	56.1	3	in rim	iz
2.1	90	0.79	0.20	1.90096	0.04562	0.23466	0.01005	3072.1	68.0	3	core	ixc
3.1	78	0.75	0.40	1.10891	0.03686	0.15277	0.00310	2336.2	46.3	3	core	iz
4.1	740	0.74	1.05	0.33835	0.01001	0.07564	0.00269	813.1	22.6	1	term	oz
4.2	169	0.71	0.42	0.46479	0.01163	0.07648	0.00287	1016.9	23.6	1	centre	oz
5.1	101	0.93	0.50	1.08378	0.01206	0.13941	0.00160	2163.3	33.1	3	core	iz
6.1	566	0.63	0.90	0.98852	0.02045	0.16866	0.00207	2469.6	33.6	3	rim	sz
7.1	599	0.16	0.10	1.08569	0.02197	0.16177	0.00213	2464.1	22.6	3	term	oo
7.2	59	0.65	0.50	1.30830	0.02820	0.16661	0.00243	2477.3	38.0	3	rim	oo
8.1	68	0.67	1.92	0.38670	0.01165	0.08562	0.00297	874.2	24.6	1	core	oxc
9.1	440	0.54	0.21	0.27973	0.00377	0.06320	0.00102	657.1	8.4	1	co edge	oz
10.1	864	0.14	0.44	0.36998	0.00628	0.07019	0.00099	819.2	13.1	1	core	oxc
10.2	246	0.59	0.46	0.40819	0.00868	0.07445	0.00233	946.6	18.7	1	core	oxc
11.1	585	1.13	0.10	1.31220	0.02248	0.16858	0.00142	2553.9	14.5	3	core	oxc
12.1	799	1.12	0.07	0.41150	0.00376	0.06705	0.00072	828.5	7.8	1	rim	oz
12.2	637	1.26	0.42	0.31257	0.01217	0.06748	0.00112	738.1	27.2	1	core	oz
13.1	1106	0.22	2.19	0.36146	0.01092	0.08503	0.00124	771.7	22.0	1	rim	oz
13.2	204	0.65	0.40	0.81294	0.01013	0.10734	0.00174	1686.9	48.6	3	core	oz
14.1	283	0.07	0.23	0.44965	0.00863	0.07368	0.00177	987.0	17.6	1	centre	oz
15.1	636	0.09	1.44	0.10809	0.00295	0.07128	0.00290	527.8	16.5	1	rim	oo
16.1	43	0.90	2.89	0.38199	0.00890	0.09753	0.00892	965.9	21.0	1	centre	oz
17.1	120	1.01	1.91	0.25796	0.00686	0.07773	0.00253	608.1	15.4	1	centre	oz
18.1	133	0.52	1.16	0.27481	0.00453	0.07132	0.00499	627.5	9.9	1	rim	oz
19.1	416	0.81	0.65	0.42416	0.01207	0.07531	0.00186	920.0	24.5	1	core	oz
19.2	1610	0.03	0.72	0.26554	0.00704	0.06640	0.00182	600.9	15.2	1	rim	oo
20.1	281	0.34	0.20	1.14120	0.02427	0.12609	0.00222	2021.1	33.4	3	rim	oz
21.1	58	0.78	2.09	0.34981	0.01213	0.08407	0.00482	771.1	25.2	1	centre	oz
22.1	814	0.40	0.27	0.37255	0.00992	0.07043	0.00103	879.0	21.9	1	term	oz
23.1	96	0.62	0.90	1.36113	0.04929	0.13285	0.00450	2023.4	86.3	3	core	oz
24.1	220	0.91	0.00	1.21303	0.01970	0.16495	0.00258	2509.2	26.0	3	core	oxc
25.1	179	0.56	0.30	1.22483	0.01694	0.13653	0.00162	2149.1	28.2	3	core	ixc
26.1	293	0.61	0.20	0.88643	0.01624	0.12580	0.00127	2014.9	25.3	3	core	oxc

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
27.1	188	0.54	1.04	0.37807	0.00576	0.07658	0.00224	845.7	12.1	1	core	oz
28.1	164	1.07	0.60	0.90815	0.01097	0.11559	0.00240	1803.7	65.9	3	core	ixc
1.1a	20	0.90	0.51	0.33353	0.00752	0.07253	0.00207	878.9	18.5	1	core	oxc
2.1a	65	0.20	0.20	0.95571	0.01446	0.16259	0.00227	2467.0	24.1	3	core	ixc
2.2a	149	0.13	0.28	0.22847	0.00802	0.06141	0.00173	571.7	19.3	1	rim	oz
3.1a	45	0.66	0.40	0.43177	0.00498	0.07731	0.00107	1035.4	57.9	3	core	ixc
3.2a	152	0.69	1.24	0.30984	0.00830	0.07693	0.00329	836.6	21.0	1	rim	oz
4.1a	265	0.20	0.81	0.27772	0.00881	0.07132	0.00062	765.6	22.9	1	rim	oz
1.1b	122	0.39	3.40	0.12643	0.00369	0.08177	0.00841	371.4	11.3	1	rim	oz
2.1b	294	0.38	4.66	0.30233	0.00500	0.09801	0.00268	607.7	9.7	1	rim	oz
6.1b	101	0.06	3.28	0.19532	0.00500	0.08122	0.00797	387.6	9.6	1	rim	oo
7.1b	131	0.30	1.60	0.29906	0.00379	0.07672	0.00394	719.9	9.7	1	edge	mix
8.1b	101	0.51	1.25	0.30627	0.00421	0.06962	0.00237	571.8	7.5	1	term	oz
9.1b	219	0.01	0.43	0.33530	0.01011	0.06493	0.00317	638.4	18.3	1	term	oz

NX94106 Naxos Pelite (Z2298, 97785)

Unit: Series, Analyses: 31, Grains: 27, Pre-Carboniferous Ages: 3

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
3.1	335	0.64	0.27	0.24728	0.00260	0.06294	0.00055	629.3	6.3	1	core	ixc
14.1	331	0.01	8.01	0.41879	0.00952	0.13714	0.00363	1044.3	21.9	1	rim	iz
24.1	338	0.01	6.95	0.20322	0.00380	0.11407	0.00270	543.9	9.8	1	rim	uol

PA9606 Paros Orthogneiss (Z2644, 97764)

Unit: Basement, Analyses: 19, Grains: 19, Pre-Carboniferous Ages: 2

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
12.1	79	0.26	0.62	0.26170	0.00515	0.06018	0.00130	400.7	7.9	1	core	oxc
15.1	153	0.20	0.34	0.28667	0.00726	0.05897	0.00166	439.9	11.0	1	core	oxc

PA9601 Paros Orthogneiss (Z2665, 97765)

Unit: Basement, Analyses: 8, Grains: 7, Pre-Carboniferous Ages: 1

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
4.1	227	0.21	0.94	0.18747	0.00575	0.06373	0.00116	448.0	13.4	1	core	oxc

SIF9345 Sifnos Calc-silicate (Z2363, 97789)

Unit: Series, Analyses: 49, Grains: 44, Pre-Carboniferous Ages: 13

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.2	70	0.04	3.19	0.16500	0.00392	0.08133	0.01050	430.6	10.0	1	core	oz
1.4	149	0.08	0.41	0.22909	0.00237	0.05939	0.00154	454.0	4.9	1	core	oz
2.2	108	0.41	4.48	0.22360	0.00794	0.09426	0.00661	534.7	18.2	1	core	iz
7.2	179	0.32	11.41	1.02393	0.01535	0.18964	0.00257	2667.7	28.2	2	core	oxc
17.2	259	0.38	9.40	0.16208	0.00398	0.13020	0.01650	384.2	9.2	1	term	oz
21.3	819	0.31	0.12	0.21596	0.00134	0.05986	0.00085	561.1	3.7	1	core	oz
30.1	200	0.12	3.48	0.26721	0.00292	0.08732	0.00095	568.5	6.0	1	core	oz
31.1	187	0.33	0.38	0.26136	0.00201	0.06340	0.00136	613.5	4.5	1	rim	oz
37.1	128	0.42	3.98	0.60794	0.01023	0.11920	0.00255	1692.6	58.8	2	core	uxc
41.1	90	0.16	0.49	0.20781	0.00241	0.06241	0.00179	545.9	6.3	1	core	oxc
42.1	69	0.39	4.06	0.56651	0.01013	0.13291	0.00326	2021.5	62.9	2	core	oxc
43.1	218	0.56	3.58	0.16003	0.00187	0.08505	0.00399	444.1	5.5	1	in rim	oz
44.1	132	0.58	0.24	0.19455	0.00286	0.05811	0.00112	458.9	6.5	1	in rim	oz

SK9601 Sikinos Orthogneiss (Z2633, 97766)

Unit: Basement, Analyses: 29, Grains: 25, Pre-Carboniferous Ages: 4

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
3.1	43	0.25	5.26	0.07528	0.00399	0.09785	0.00883	387.5	20.9	1	term	oz

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
12.1	527	0.11	0.01	0.12045	0.00466	0.05406	0.00074	370.5	14.0	1	centre	oz
13.1	504	0.08	0.04	0.11336	0.00357	0.05437	0.00048	368.5	11.4	1	term	oz
17.1	193	0.03	0.51	0.37693	0.02725	0.07215	0.00293	858.6	58.2	1	core	oxc

89646 Syros Quartzite (Z2405, 89646)

Unit: Series, Analyses: 27, Grains: 26, Pre-Carboniferous Ages: 7

Spot	U (ppm)	Th/U	f %	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1\sigma$	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1\sigma$	Age (Ma)	$\pm 1\sigma$	Corr	Area	Type
1.1	321	0.02	0.78	0.24599	0.00467	0.06789	0.00128	650.3	12.2	1	edge	lm
12.1	177	0.08	1.10	0.14207	0.00141	0.06392	0.00198	408.1	4.2	1	edge	oz
14.1	646	0.04	1.91	0.20969	0.00157	0.07399	0.00066	548.7	4.9	1	rim	oz
18.1	52	0.81	1.85	0.22143	0.00328	0.07551	0.00266	621.4	9.0	1	edge	ad
19.1	73	0.42	1.43	0.13728	0.00154	0.06714	0.00273	430.4	4.7	1	edge	oz
22.1	51	0.18	14.65	0.17091	0.00388	0.17433	0.01923	446.0	9.8	1	rim	oz
23.1	342	0.06	0.81	0.12255	0.00231	0.06190	0.00123	421.3	7.7	1	rim	oz