Spot[1]	**Ti**$_{ppm}$	**Age Ma**	**T°C**	$\pm 2\sigma$	**Spot**[2]	**Ti**$_{ppm}$	**Age Ma**	**T°C**	$\pm 2\sigma$
ANU 119-9.5	2.96	4044	644	14	RSES6-8.3	1.65	4030	604	16
ANU 119-2.12	3.09	4030	647	13	anu111-5.8	1.73	4188	607	16
ANU 117-6.3	3.15	4090	649	13	RSES6-16.17	2.30	4143	626	14
ANU 117-9.4	3.57	4000	658	13	RSES6-20.20	2.33	4138	627	14
ANU 119-6.1	3.57	4039	658	13	RSES6-4.10	2.61	3938	635	14
ANU 105-9.7	3.57	4050	658	13	RSES6-1.16	3.11	4111	648	13
ANU 115-4.14	3.63	4190	659	13	anu91-14.9	3.12	4100	648	13
ANU 119-6.15	3.63	4059	659	13	anu111-9.13	3.13	4183	648	13
ANU 117-2.15	3.69	4040	660	13	anu1118.7	3.26	4193	651	13
ANU 119-10.1	3.81	4066	663	13	anu111-6.14	3.27	4037	651	13
ANU 117-14.14	3.99	4166	666	13	anu91-7.3	3.28	4120	652	13
ANU 104-6.3	4.00	4200	666	13	anu91-1.2	3.43	4052	655	13
ANU 105-15.6b	4.06	4050	667	13	RSES6-16.16	3.44	4132	655	13
ANU 119-12.9	4.17	4079	670	13	anu111-10.7	3.51	4105	657	13
ANU 105-2.9a	4.30	4150	672	13	anu104-6.3	3.58	4232	658	13
ANU 115-2.10	4.36	4220	673	13	anu91-5.10	3.90	4057	664	13
ANU 105-15.6c	4.36	4050	673	13	RSES6-2.5	3.94	3947	665	13
ANU 91-7.3a	4.36	4100	673	13	anu111-10.8	4.01	3989	666	13
ANU 119-7.1	4.42	4001	674	13	RSES6-11.14	4.01	4121	666	13
ANU 91-14.5a	4.42	4300	674	13	anu104-11.7	4.02	4094	667	13
ANU 117-15.9	4.48	4250	675	13	RSES6-13.1	4.09	4159	668	13
ANU 119-13.10	4.66	4213	678	13	anu91-11.4	4.10	4046	668	13
ANU 91-7.3b	4.67	4100	678	13	anu111-2.6	4.11	4346	668	13
ANU 119-1.10	4.78	4123	680	13	anu91-10.5	4.17	4009	670	13
ANU 119-3.2	4.78	4024	680	13	RSES6-19.7	4.25	4133	671	13
ANU 115-3.14	4.96	4010	683	13	RSES6-16.18	4.31	4200	672	13
ANU 119-15.13a	4.96	4023	683	13	RSES6-7.20	4.38	3974	673	13
ANU 119-7.7	4.96	4022	683	13	anu111-2.2	4.46	4064	675	13
ANU 112-8.3	5.02	4140	684	13	RSES6-14.16	4.49	3945	675	13
ANU 117-14.7	5.08	4013	685	13	anu104-9.4	4.58	4140	677	13
ANU 119-3.15	5.08	4105	685	13	anu111-3.11	4.61	4004	677	13
ANU 104-9.4	5.15	4100	686	13	RSES6-2.8	4.67	4198	678	13
ANU 104-11.7b	5.21	4100	687	13	RSES6-10.5	4.78	4042	680	13
ANU 115-14.8	5.26	4110	688	13	anu111-1.13	4.91	4017	682	13
ANU 117-3.13	5.63	4110	693	13	anu104-5.7	5.09	4114	685	13
ANU 119-13.9	5.63	4089	693	13	RSES6-12.6	5.28	4106	688	13
ANU 119-9.6	5.75	4158	695	14	anu111-8.13	5.31	4082	688	13
ANU 104-11.7a	5.94	4100	697	14	anu104-12.8	5.35	4032	689	13
ANU 119-15.13b	6.17	4023	700	14	anu104-12.4	5.45	4042	690	13
ANU 91-10.5a	6.24	4000	701	14	anu111-13.3	5.50	4171	691	13
ANU 119-11.13	6.29	4147	702	14	anu111-7.3	5.54	4021	692	13
ANU 115-12.10	6.35	4160	703	14	RSES6-9.19	5.55	4083	692	13
ANU 115-9.3	6.41	4150	703	14	RSES6-19.2	5.72	4104	694	14
ANU 119-1.13	6.41	4100	703	14	anu104-6.15	5.77	4040	695	14
ANU 105-15.6a	6.48	4050	704	14	anu111-5.5	6.12	3945	700	14
ANU 115-12.9	6.53	4020	705	14	anu104-12.2	6.38	3931	703	14
ANU 91-10.5b	6.97	4000	710	14	RSES6-15.15	6.58	3926	705	14
ANU 119-9.10b	7.02	4200	711	14	RSES6-2.1	6.59	4089	706	14

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Spot[1]	**Ti**$_{ppm}$	**Age Ma**	**T°C**	$\pm 2\sigma$	**Spot**[2]	**Ti**$_{ppm}$	**Age Ma**	**T°C**	$\pm 2\sigma$
ANU 117-12.5	7.14	4040	712	14	RSES6-9.2	6.64	3997	706	14
ANU 91-14.5b	7.33	4300	714	14	anu104-5.1	6.65	4198	706	14
ANU 117-2.6	7.38	4190	715	14	anu111-13.1	6.72	4178	707	14
ANU 119-4.9	7.38	4146	715	14	anu111-4.11	6.72	4003	707	14
ANU 105-14.5b	7.51	4350	716	14	anu104-5.14	7.23	4054	713	14
ANU 105-5.11a	7.51	4200	716	14	RSES6-12.2	7.29	3911	714	14
ANU 119-15.8	7.62	4045	718	14	anu91-12.8	9.01	4076	732	14
ANU 112-10.1	7.68	4180	718	14	RSES6-1.18	9.86	4108	740	15
ANU 112-14.6	7.68	4100	718	14	RSES6-1.15	11.10	4139	750	15
ANU 119-9.10a	7.74	4200	719	14	anu111-9.4	11.13	4117	751	15
ANU 105-14.5a	8.30	4350	725	14	RSES6-9.15	12.06	4028	758	15
ANU 104-5.1a	8.91	4300	731	14	anu104-14.14	12.12	4160	758	15
ANU 104-5.1b	8.91	4300	731	14	RSES6-2.16	15.72	3948	782	16
ANU 105-5.11c	11.15	4200	751	15	RSES6-12.20	21.66	4117	814	16
ANU 104-14.14c(rim)	11.21	4200	751	15	anu104-12.12	37.70	4002	873	18
ANU 104-14.14a	13.33	4200	767	15	anu104-8.4	54.63	4038	916	20
ANU 105-5.11b	13.33	4200	767	15	RSES6-11.15	98.05	3986	991	25
ANU 115-9.13	13.85	4130	770	15	RSES6-3.5	130.11	4123	1031	25
ANU 104-14.14b(core)	15.09	4200	778	16	anu91-14.5	387.82	4337	1212	25
ANU 115-9.15	16.46	4130	787	16					
ANU 112-9.12	19.10	4330	801	16					

DR. 1: Hadean zircon U-Pb ages, [Ti] and calculated T_{zir}^{Ti} crystallization temperatures. Temperature uncertainties calculated according the model uncertainty described in Aikman (2007)[3].

[1] Watson, E.B., and T.M. Harrision (2005), Zircon thermometer reveals minimum melting conditions on earlist Earth, *Science*, 5723:841–844.

[2] Watson, E.B., and T.M. Harrision (2006), Response to Comments on "Zircon thermometer reveals minimum melting conditions on earliest Earth", *Science*, 779c:11.

[3] Aikman, A.B. (2007), Teconics of the eastern Tethyan Himalaya, *PhD Thesis*, The Australian National University.

SAMPLE	0405008	0405011	0405013	0410007	0410008	0410009	0410010
SiO_2	71.65	71.01	68.92	62.12	69.79	69.97	70.02
Al_2O_3	16.53	15.85	15.90	20.21	15.78	15.80	15.57
CaO	2.76	2.66	2.14	3.73	2.95	2.82	2.87
MgO	0.84	0.81	1.23	0.98	0.77	0.83	0.68
MnO	0.04	0.03	0.04	0.04	0.03	0.04	0.02
Na_2O	3.77	3.71	3.66	5.18	3.86	3.72	4.35
K_2O	2.97	3.01	3.11	3.18	2.71	2.87	2.89
TiO_2	0.28	0.27	0.36	0.32	0.29	0.28	0.24
P_2O_5	0.13	0.12	0.13	0.14	0.10	0.12	0.15
SO_3	0.01	nd	0.02	nd	nd	nd	nd
Fe_2O_3	1.75	1.71	2.42	2.05	1.63	1.75	1.42
Total	100.71	99.16	97.92	97.95	97.90	98.19	98.19
Zr_{ppm}	124	117	122	129	97	107	113
M	1.32	1.34	1.27	1.61	1.40	1.37	1.51

DR. 2: Bulk rock geochemistry of the Dala granites. Samples analysed by XRF at the Australian National University, results given in wt. % oxide unless otherwise stated.

Sample	**Th/U**	**Ti**$_{ppm}$	$\pm 2\sigma$	**T°C**	$\pm 2\sigma$
0405008	0.191	3.92	0.26	665	14
0405008	0.139	6.04	0.37	699	14
0405008	0.275	9.81	0.59	739	15
0405008	0.324	10.23	0.61	743	15
0405008	0.251	11.76	0.69	755	15
0405008	0.122	16.53	0.99	787	16
0405008	0.260	20.83	1.22	810	17
0405008	0.595	31.92	1.88	854	18
0405008	0.504	39.26	2.30	877	18
0405011	0.049	1.17	0.17	582	22
0405011	0.028	1.82	0.19	611	18
0405011	0.046	1.93	0.19	614	17
0405011	0.072	2.74	0.22	639	15
0405011	0.381	2.90	0.23	643	15
0405011	0.256	3.71	0.26	661	14
0405011	0.153	4.15	0.28	669	14
0405011	0.116	4.35	0.29	673	14
0405011	0.068	6.43	0.39	704	14
0405011	0.123	9.02	0.53	732	14
0405011	0.166	17.04	0.99	790	16
0405011	0.476	19.43	1.22	803	17
0405011	0.361	24.53	1.42	827	17
0405013	0.076	2.70	0.30	638	20
0405013	0.118	4.78	0.31	680	14
0405013	0.186	10.38	0.35	744	11
0405013	0.245	12.68	0.38	762	11
0405013	0.268	14.29	0.39	773	11
0405013	0.254	15.66	0.41	782	11
0405013	0.292	21.27	0.49	812	11
0410007	0.009	1.47	0.21	596	23
0410007	0.026	2.51	0.24	633	17
0410007	0.225	7.92	0.48	721	14
0410007	0.219	16.29	1.00	786	16
0410007	0.281	19.82	1.21	805	17
0410007	0.393	24.20	1.46	825	17
0410007	0.254	27.26	1.65	837	18
0410009	0.012	1.30	0.21	588	24
0410009	0.247	6.19	0.44	700	16
0410009	0.211	6.50	0.44	705	15
0410009	0.249	9.06	0.55	732	15
0410009	0.085	9.59	0.59	737	15
0410009	0.244	11.09	0.67	750	15
0410009	0.077	11.64	0.72	755	16
0410009	0.251	14.95	0.90	778	16
0410009	0.158	17.46	1.13	792	17
0410009	0.273	18.14	1.09	796	16
0410009	0.279	18.99	1.45	801	20
0410010	0.024	5.37	0.36	689	14
0410010	0.033	5.78	0.37	695	14
0410010	0.121	12.58	0.79	762	16

DR. 3: Zircon Th/U, [Ti] and calculated crystallization temperatures for the Dala igneous complex, SE Tibet. Samples were analyzed for Ti by ion microprobe at the Australian National University using SHRIMP 2 in multicollector mode. ^{49}Ti was ratioed to SiO, and absolute [Ti] were calibrated against natural zircon standard SL13 (6.32±0.33 ppm Ti). Calculated [Ti] uncertainties are 2 sigma, including uncertainty derived from counting statistics, calibration uncertainty, and uncertainty in the absolute [Ti] of the standard. Calculated crystallization temperature uncertainties include the propagated [Ti] uncertainty and uncertainty on the thermometer calibration.