GSA Data Repository Item 2016357
Vijaya Kumar, T., Bhaskar Rao, Y.J., Plavsa, D., Collins, A.S., Tomson, J.K., Vijaya Gopal, B., and Babu, E.V.S.S.K., 2016, Zircon U-Pb ages and Hf isotopic systematics of charnockite gneisses from the Ediacaran-Cambrian high-grade metamorphic terranes, southern India: Constraints on crust formation, recycling and Gondwana correlations: GSA Bulletin, doi:10.1130/B31474.1.

DATA REPOSITORY

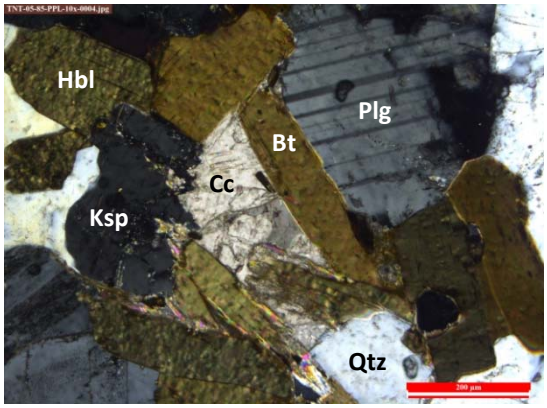
Figure DR1. Figure showing outcrop features and photomicrographs of samples analysed in this study. Details in Table 1 and text

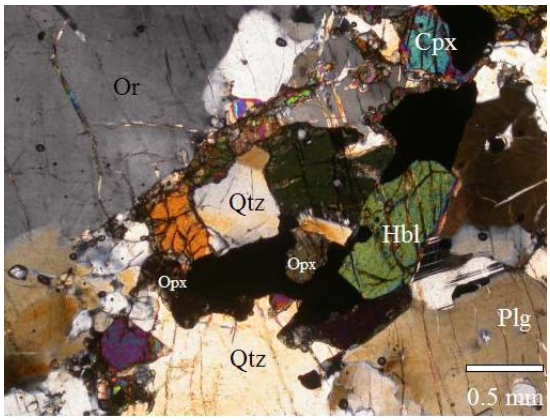
Table DR1. Laser Ablation ICP-MS U-Th-Pb isotopic data and calculated ages for zircons of the charnockite orthogneisses from the Madurai, Trivandrum and Nagercoil Blocks of the SGT.

Table DR2. Hf-isotopic data for zircons of the charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT.

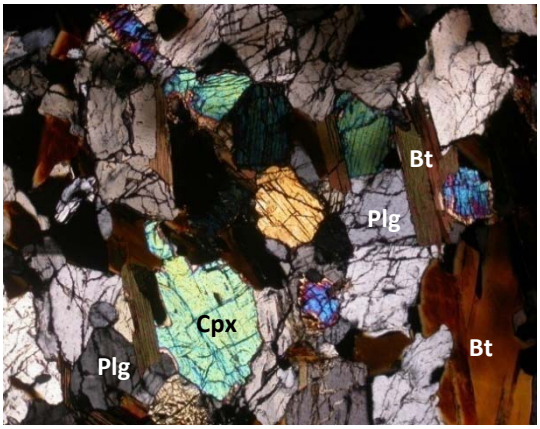
Table DR3. Zircon Chondrite normalized REE data for charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT.

Sample # TNT-05-85





Sample # TNT-06-07



Sample # TNT-06-21

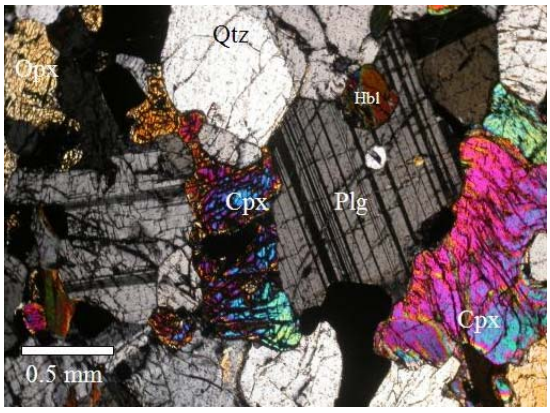
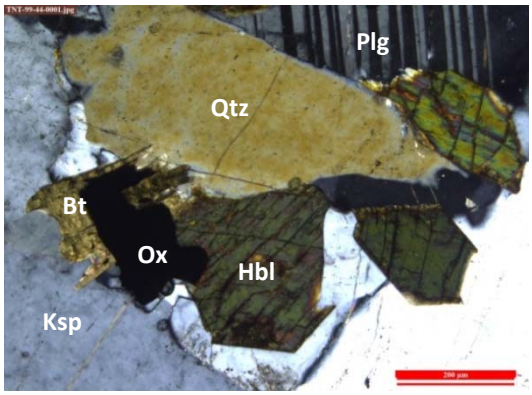


Figure DR1. Vijaya Kumar et al.,

Sample # TNT-99-44



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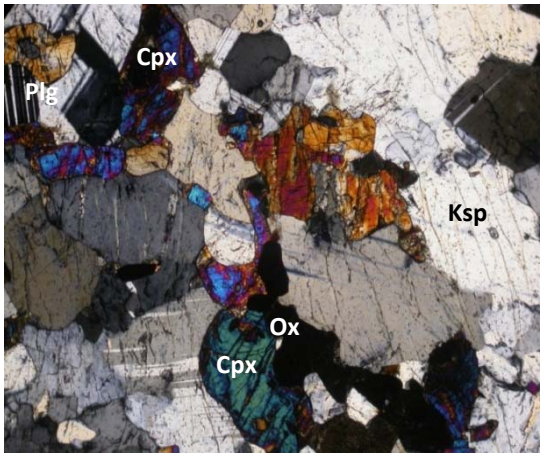

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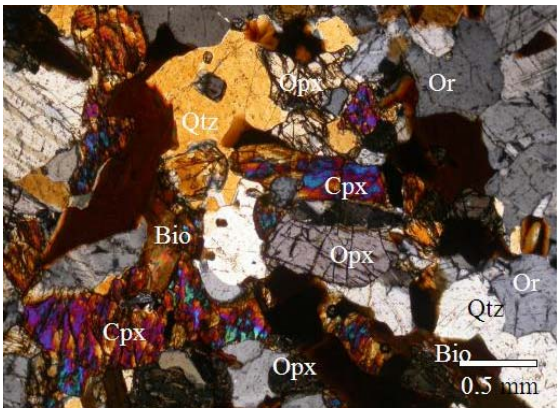

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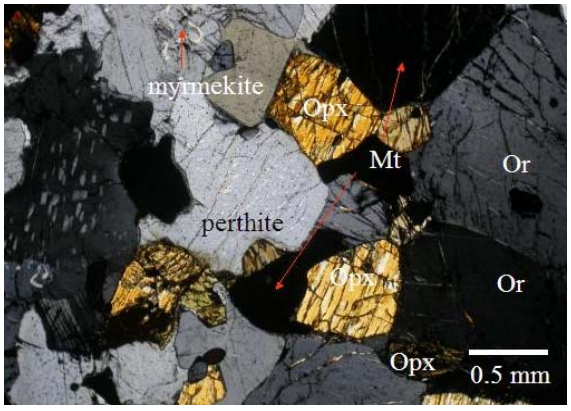
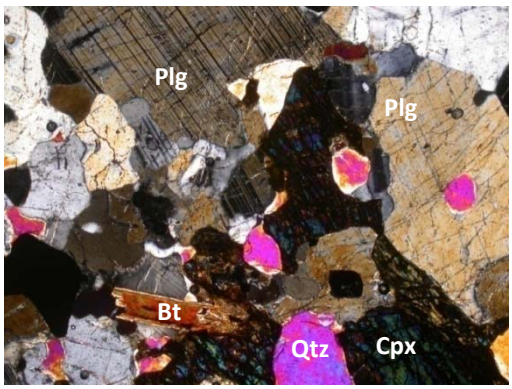


Figure DR1. Vijaya Kumar et al., Page 2/3

Sample # I06-06

Sample # TNT-06-50



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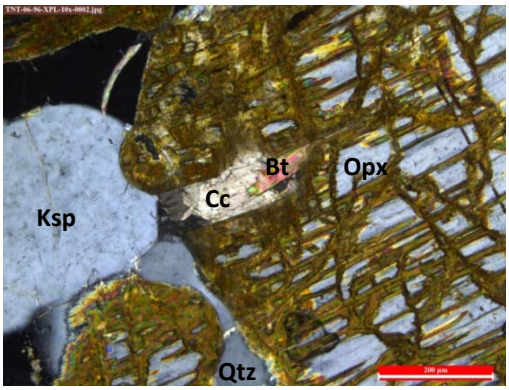

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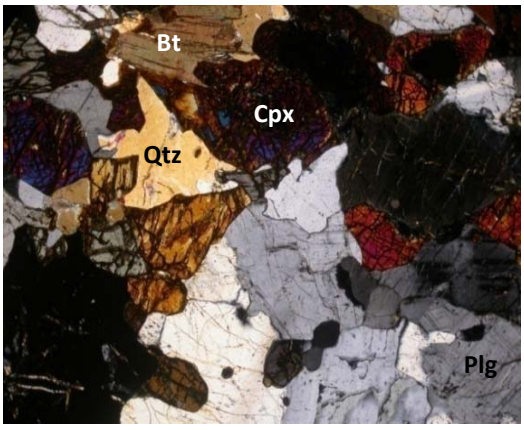

Figure DR1. Vijaya Kumar et al.,

Table DR1. Laser Ablation ICP-MS U-Th-Pb isotopic data and calculated ages for zircons of the charnockite orthosgneisses from the Madurai, Trivandrum and Nagercoil Blocks of the SGT.

				Isotopic ratios					Age (Ma)				
Analysis_#	Th ppm	U ppm	Th/U	$^{207}Pb/^{235}U$	2s	$^{206}Pb/^{238}U$	2s	rho	$^{207}Pb/^{206}Pb$	1s	$^{206}Pb/^{238}U$	1s	% Conc
TNT-05-85													
TNT-05-85-C08-2	99	259	0.38	1.4788	0.0378	0.1165	0.0025	0.83	1469	25	710	7	48
TNT-05-85-C43	84	225	0.38	2.0660	0.0546	0.1431	0.0032	0.84	1710	25	862	9	50
TNT-05-85-C41	84	182	0.46	3.1753	0.0903	0.1853	0.0043	0.82	2018	26	1096	12	54
TNT-05-85-C43-2	166	349	0.47	3.5897	0.0815	0.1996	0.0041	0.91	2104	20	1173	11	56
TNT-05-85-C03-2	69	557	0.12	3.0744	0.0663	0.1859	0.0038	0.94	1956	20	1099	10	56
TNT-05-85-C21	132	645	0.20	3.5312	0.0754	0.2020	0.0041	0.95	2054	19	1186	11	58
TNT-05-85-C03	71	252	0.28	3.7376	0.0875	0.2098	0.0042	0.86	2088	22	1228	11	59
TNT-05-85-C32	60	255	0.23	4.6918	0.1038	0.2495	0.0050	0.90	2182	20	1436	13	66
TNT-05-85-C11-2	129	259	0.50	4.9386	0.1104	0.2562	0.0053	0.93	2225	19	1470	14	66
TNT-05-85-C53	107	199	0.54	5.2944	0.1228	0.2704	0.0058	0.92	2252	20	1543	15	68
TNT-05-85-C14	326	1597	0.20	5.4304	0.1174	0.2754	0.0057	0.96	2264	18	1568	15	69
TNT-05-85-C19	176	855	0.21	5.7994	0.1262	0.2849	0.0060	0.96	2319	18	1616	15	70
TNT-05-85-C36	65	98	0.67	6.0391	0.1440	0.2905	0.0062	0.90	2355	21	1644	16	70
TNT-05-85-C37	61	472	0.13	5.9288	0.1248	0.2984	0.0061	0.97	2277	18	1683	15	74
TNT-05-85-C15-2	67	273	0.24	6.6628	0.1524	0.3171	0.0067	0.92	2373	20	1775	16	75
TNT-05-85-C39	65	800	0.08	6.6568	0.1369	0.3209	0.0065	0.98	2351	18	1794	16	76
TNT-05-85-C42	86	109	0.79	6.3413	0.1538	0.3146	0.0067	0.88	2302	21	1763	17	77
TNT-05-85-C10-2	404	1523	0.27	7.1206	0.1468	0.3355	0.0068	0.98	2390	18	1865	16	78
TNT-05-85-C40-2	141	788	0.18	6.9775	0.1492	0.3328	0.0068	0.96	2369	18	1852	16	78
TNT-05-85-C11	298	842	0.35	6.9689	0.1451	0.3329	0.0067	0.97	2367	18	1852	16	78
TNT-05-85-C09	351	1426	0.25	7.5847	0.1580	0.3583	0.0073	0.98	2386	18	1974	17	83
TNT-05-85-C18	524	842	0.62	7.8213	0.1619	0.3633	0.0073	0.97	2414	18	1998	17	83
TNT-05-85-C09-2	263	1132	0.23	7.5404	0.1744	0.3591	0.0079	0.95	2372	19	1978	19	83
TNT-05-85-C02-2	160	566	0.28	7.7670	0.1631	0.3648	0.0074	0.97	2396	18	2005	18	84
TNT-05-85-C35-2	145	671	0.22	7.4816	0.1567	0.3594	0.0074	0.99	2357	18	1980	18	84
TNT-05-85-C40	125	141	0.88	7.6849	0.1791	0.3658	0.0077	0.91	2373	20	2010	18	85
TNT-05-85-C22	144	208	0.69	8.1309	0.2840	0.3759	0.0103	0.78	2424	29	2057	24	85
TNT-05-85-C13	170	199	0.85	8.1623	0.1796	0.3783	0.0079	0.95	2418	19	2068	18	86
TNT-05-85-C52-2	84	475	0.18	7.7869	0.1693	0.3703	0.0077	0.95	2374	18	2031	18	86
TNT-05-85-C02	55	293	0.19	8.2003	0.1842	0.3792	0.0076	0.89	2422	20	2073	18	86
TNT-05-85-C31	163	1039	0.16	8.1644	0.1625	0.3808	0.0072	0.96	2408	18	2080	17	86
TNT-05-85-C39-2	108	194	0.56	7.8597	0.1753	0.3757	0.0079	0.95	2366	19	2056	19	87
TNT-05-85-C54	57	476	0.12	7.9633	0.1730	0.3795	0.0079	0.95	2371	18	2074	18	87
TNT-05-85-C50	126	843	0.15	8.4007	0.1781	0.3888	0.0079	0.96	2420	18	2117	18	87
TNT-05-85-C30-2	331	1385	0.24	8.4389	0.1718	0.3923	0.0079	0.99	2413	17	2133	18	88
TNT-05-85-C28	52	300	0.17	8.4605	0.1756	0.3928	0.0078	0.96	2415	18	2136	18	88
TNT-05-85-C45	563	1627	0.35	8.3699	0.1757	0.3926	0.0079	0.96	2398	18	2135	18	89
TNT-05-85-C54-2	119	185	0.64	8.5484	0.1925	0.3964	0.0083	0.93	2417	19	2152	19	89
TNT-05-85-C20	202	378	0.53	8.2959	0.1756	0.3919	0.0080	0.96	2386	18	2132	19	89
TNT-05-85-C25	152	1210	0.13	8.1449	0.2326	0.3889	0.0087	0.78	2368	25	2118	20	89
TNT-05-85-C12-2	90	133	0.68	8.5683	0.1927	0.3984	0.0084	0.93	2413	19	2162	19	90
TNT-05-85-C52	122	139	0.87	8.6801	0.1999	0.4011	0.0085	0.92	2423	20	2174	20	90
TNT-05-85-C27	392	1485	0.26	8.6092	0.1754	0.3998	0.0081	0.99	2415	17	2168	19	90
TNT-05-85-C24	783	625	1.25	8.8312	0.1889	0.4080	0.0084	0.97	2424	18	2206	19	91
TNT-05-85-C07	126	521	0.24	8.8925	0.1831	0.4099	0.0081	0.96	2427	18	2215	19	91
TNT-05-85-C36-2	74	148	0.50	8.8394	0.1945	0.4091	0.0082	0.92	2421	20	2211	19	91
TNT-05-85-C34-2	410	1606	0.26	8.9207	0.1814	0.4108	0.0083	0.99	2429	17	2219	19	91
TNT-05-85-C12	79	548	0.14	8.6400	0.1806	0.4051	0.0082	0.97	2399	18	2192	19	91
TNT-05-85-C16	165	770	0.21	9.1576	0.1983	0.4164	0.0086	0.96	2451	18	2244	20	92

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TNT-05-85-C45-2	400	1632	0.25	9.2052	0.2207	0.4177	0.0093	0.93	2454	19	2250	21	92
TNT-05-85-C46	383	1616	0.24	8.9768	0.1876	0.4171	0.0083	0.95	2414	18	2247	19	93
TNT-05-85-C42-2	297	1281	0.23	9.3069	0.1995	0.4251	0.0088	0.97	2443	18	2284	20	93
TNT-05-85-C51	85	92	0.93	9.4988	0.2249	0.4316	0.0093	0.91	2452	20	2313	21	94
TNT-05-85-C23	1444	2977	0.48	9.0215	0.2469	0.4230	0.0095	0.82	2400	23	2274	22	95
TNT-05-85-C49	158	192	0.82	9.2985	0.2080	0.4288	0.0090	0.94	2427	19	2300	20	95
TNT-05-85-C20-2	78	88	0.89	10.0544	0.2315	0.4529	0.0096	0.92	2466	20	2408	21	98
TNT-05-85-C47	152	252	0.60	9.9934	0.2460	0.4586	0.0103	0.92	2435	20	2434	23	100
TNT-05-85-C44	161	128	1.26	10.6461	0.2421	0.4768	0.0100	0.92	2476	19	2513	22	101
Type 2 zircons													
TNT-05-85-C04	115	181	0.63	0.7788	0.0251	0.0946	0.0021	0.69	594	35	583	6	98
TNT-05-85-C05	502	368	1.36	0.7333	0.0290	0.0917	0.0023	0.63	529	44	566	7	107
TNT-05-85-C29	90	179	0.50	0.8052	0.0257	0.0984	0.0022	0.69	580	35	605	6	104
TNT-05-85-C33	169	198	0.85	0.7778	0.0264	0.0975	0.0022	0.67	524	38	600	7	115
TNT-05-85-C38	70	570	0.12	0.7359	0.0183	0.0921	0.0019	0.84	529	28	568	6	107
Rims													
TNT-05-85-R04	151	254	0.59	0.7848	0.0230	0.0941	0.0020	0.73	622	32	580	6	93
TNT-05-85-R14	140	207	0.68	0.7510	0.0318	0.0923	0.0023	0.59	569	46	569	7	100
TNT-05-85-R29	156	139	1.12	0.7750	0.0272	0.0922	0.0021	0.64	637	39	569	6	89
TNT-05-85-R33	153	185	0.83	0.8072	0.0260	0.0990	0.0022	0.68	571	36	609	6	107
TNT-05-85-R37	176	290	0.61	0.7665	0.0217	0.0943	0.0020	0.76	565	31	581	6	103
TNT-05-85-R38	106	173	0.61	0.7661	0.0250	0.0929	0.0021	0.69	597	36	573	6	96
TNT-06-07													
TNT-06-07-C3	133	420	0.32	0.8974	0.0210	0.1061	0.0020	0.81	651	27	650	6	100
TNT-06-07-C8	101	171	0.59	1.1331	0.0313	0.1263	0.0025	0.70	777	31	767	7	99
TNT-06-07-C16	73	322	0.23	1.0652	0.0266	0.1202	0.0024	0.80	752	28	732	7	97
TNT-06-07-C16-2	136	304	0.45	1.1361	0.0323	0.1256	0.0027	0.76	795	30	763	8	96
TNT-06-07-C21	141	243	0.58	1.1326	0.0288	0.1282	0.0025	0.77	745	28	777	7	104
TNT-06-07-C22	157	380	0.41	1.2100	0.0281	0.1344	0.0026	0.83	785	26	813	7	104
TNT-06-07-C23	43	161	0.27	1.2166	0.0344	0.1351	0.0028	0.73	785	31	817	8	104
TNT-06-07-C27	48	128	0.37	1.0704	0.0440	0.1223	0.0030	0.60	725	45	744	9	102
TNT-06-07-C32	73	154	0.48	1.0793	0.0309	0.1226	0.0025	0.71	738	32	745	7	101
TNT-06-07-C38	214	522	0.41	1.1460	0.0262	0.1281	0.0025	0.86	771	25	777	7	101
TNT-06-07-C39	212	777	0.27	0.8474	0.0197	0.1010	0.0020	0.86	634	26	621	6	98
TNT-06-07-C43	488	2394	0.20	1.0639	0.0203	0.1215	0.0021	0.93	726	23	739	6	102
TNT-06-07-C44	88	215	0.41	1.0215	0.0274	0.1166	0.0023	0.74	727	30	711	7	98
TNT-06-07-C48	291	543	0.54	1.1533	0.0274	0.1269	0.0025	0.83	804	26	770	7	96
TNT-06-07-C49	83	189	0.44	1.0200	0.0364	0.1183	0.0026	0.63	693	39	721	8	104
TNT-06-07-C51	92	284	0.33	0.9756	0.0276	0.1130	0.0023	0.72	697	32	690	7	99
TNT-06-07-C53	82	223	0.37	1.1534	0.0595	0.1267	0.0035	0.54	809	55	769	10	95
TNT-06-07-C54	243	500	0.49	1.0987	0.0246	0.1225	0.0022	0.82	776	26	745	6	96
TNT-06-07-C55	91	183	0.50	1.1720	0.0410	0.1294	0.0028	0.61	797	39	785	8	98
TNT-06-07-C56	647	1243	0.52	1.1845	0.0376	0.1291	0.0030	0.72	827	33	783	8	95
Rims													
TNT-06-07-R3	306	597	0.51	0.6736	0.0200	0.0753	0.0014	0.64	773	34	468	4	61
TNT-06-07-R6	150	119	1.27	0.7143	0.0257	0.0767	0.0016	0.59	856	40	476	5	56
TNT-06-07-R13	65	292	0.22	0.8940	0.0230	0.0959	0.0019	0.76	858	29	590	5	69
TNT-06-07-R16	36	121	0.30	1.0711	0.0365	0.1014	0.0023	0.66	1112	36	622	7	56
TNT-06-07-R18	151	156	0.97	0.7890	0.0255	0.0764	0.0016	0.66	1065	35	475	5	45

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TNT-06-07-R23	62	158	0.39	1.1098	0.0321	0.1183	0.0025	0.72	870	31	721	7	83
TNT-06-07-R26	103	314	0.33	1.0561	0.0328	0.1063	0.0024	0.72	988	32	651	7	66
TNT-06-07-R27	108	338	0.32	1.0054	0.0245	0.1093	0.0021	0.80	830	27	669	6	81
TNT-06-07-R28	178	573	0.31	0.6247	0.0151	0.0749	0.0014	0.79	622	28	466	4	75
TNT-06-07-R30	105	231	0.45	1.0305	0.0273	0.1000	0.0020	0.74	1062	29	614	6	58
TNT-06-07-R31	57	167	0.34	0.8955	0.0365	0.0941	0.0022	0.58	901	44	580	7	64
TNT-06-07-R32	104	144	0.73	0.8999	0.0278	0.1019	0.0021	0.67	745	35	625	6	84
TNT-06-07-R41	109	341	0.32	0.9640	0.0243	0.1005	0.0019	0.77	917	28	617	6	67
TNT-06-07-R43	108	541	0.20	0.9496	0.0214	0.0858	0.0016	0.83	1206	24	530	5	44
TNT-06-07-R44	64	220	0.29	1.0215	0.0298	0.1010	0.0021	0.72	1024	31	620	6	61
TNT-06-07-R47	61	351	0.17	1.0025	0.0433	0.1082	0.0027	0.58	846	46	662	8	78
TNT-06-07-R48	108	260	0.41	0.9565	0.0252	0.1034	0.0020	0.74	841	30	634	6	75
TNT-06-07-R50	51	144	0.35	0.8222	0.0286	0.0894	0.0019	0.60	830	39	552	6	66
TNT-06-07-R51	97	195	0.50	1.1154	0.0320	0.1130	0.0022	0.68	974	32	690	6	71
TNT-06-07-R52	63	198	0.32	1.1238	0.0303	0.1197	0.0023	0.72	872	30	729	7	84
TNT-06-07-R53	80	336	0.24	0.8760	0.0286	0.0815	0.0018	0.68	1146	34	505	5	44
TNT-06-07-R54	115	300	0.38	1.0240	0.0349	0.1042	0.0022	0.63	966	37	639	7	66
TNT-06-07-R57	34	164	0.21	0.8164	0.0500	0.0859	0.0025	0.47	900	66	531	7	59
TNT-06-21													
TNT-06-21-C2	55	93	0.59	1.1385	0.0399	0.1259	0.0029	0.65	793	38	764	8	96
TNT-06-21-C2-2	52	90	0.58	0.8955	0.0375	0.1051	0.0026	0.58	667	46	644	7	97
TNT-06-21-C3	333	314	1.06	1.2101	0.0329	0.1329	0.0028	0.78	808	29	804	8	100
TNT-06-21-C4	76	86	0.89	1.2232	0.0480	0.1353	0.0032	0.61	793	42	818	9	103
TNT-06-21-C5	62	68	0.91	1.1000	0.0445	0.1234	0.0030	0.60	763	44	750	9	98
TNT-06-21-C7	29	55	0.53	1.1606	0.0653	0.1306	0.0037	0.50	757	61	791	11	105
TNT-06-21-C7-2	31	58	0.54	0.9935	0.0568	0.1120	0.0032	0.50	753	62	684	9	91
TNT-06-21-C8	81	118	0.69	1.1095	0.0380	0.1225	0.0028	0.66	797	37	745	8	93
TNT-06-21-C9	29	33	0.86	1.0434	0.0563	0.1191	0.0033	0.51	726	59	726	9	100
TNT-06-21-C10	49	47	1.04	1.1731	0.0727	0.1321	0.0039	0.48	755	67	800	11	106
TNT-06-21-C11	28	78	0.36	1.0864	0.0461	0.1220	0.0030	0.58	761	46	742	9	98
TNT-06-21-C13	44	65	0.68	1.1804	0.0546	0.1325	0.0034	0.55	763	50	802	10	105
TNT-06-21-C13-2	52	80	0.66	0.9748	0.0456	0.1085	0.0028	0.55	780	51	664	8	85
TNT-06-21-C14	27	44	0.61	0.9897	0.0492	0.1143	0.0030	0.53	702	54	698	9	99
TNT-06-21-C15	124	149	0.83	1.0345	0.0346	0.1195	0.0027	0.67	701	36	728	8	104
TNT-06-21-C18	47	52	0.90	1.1871	0.0502	0.1274	0.0031	0.58	857	45	773	9	90
TNT-06-21-C19	161	172	0.94	1.1189	0.0416	0.1277	0.0030	0.62	728	40	775	8	106
TNT-06-21-C20	95	122	0.78	1.0453	0.0604	0.1176	0.0034	0.49	757	63	717	10	95
TNT-06-21-C21	34	67	0.50	1.0658	0.0833	0.1189	0.0041	0.45	775	84	724	12	94
TNT-06-21-C2-22	70	91	0.77	0.9352	0.0399	0.1076	0.0026	0.57	711	47	659	8	93
TNT-06-21C23	65	83	0.78	1.1591	0.0893	0.1317	0.0045	0.45	737	83	797	13	108
TNT-06-21C24	74	206	0.36	0.7895	0.0565	0.0988	0.0031	0.44	528	80	607	9	115
TNT-06-21-C26	53	79	0.67	0.8692	0.0489	0.1039	0.0029	0.49	629	62	637	8	101
TNT-06-21-C27	115	180	0.64	1.2023	0.0558	0.1321	0.0034	0.55	808	50	800	10	99
TNT-06-21-C29	34	43	0.79	1.0768	0.0752	0.1204	0.0039	0.46	770	75	733	11	95
TNT-06-21-C31	60	145	0.41	1.0062	0.0347	0.1157	0.0026	0.65	713	38	706	8	99
TNT-06-21-C32	460	411	1.12	1.0075	0.0290	0.1157	0.0025	0.75	716	31	706	7	99
TNT-06-21-C33	74	66	1.12	1.2331	0.0685	0.1335	0.0038	0.51	840	59	808	11	96
TNT-06-21-C34	23	44	0.51	0.9070	0.0444	0.1069	0.0028	0.53	659	54	655	8	99
TNT-06-21-C35	25	32	0.77	1.2695	0.0736	0.1369	0.0040	0.50	847	62	827	11	98

Table DR1. Laser Ablation ICP-MS U-Th-Pb isotopic data and calculated ages for zircons of the charnockite orthosgneisses from the Madurai, Trivandrum and Nagercoil Blocks of the SGT.

				Isotopic ratios					Age (Ma)				
Analysis_#	Th ppm	U ppm	Th/U	$^{207}Pb/^{235}U$	2s	$^{206}Pb/^{238}U$	2s	rho	$^{207}Pb/^{206}Pb$	1s	$^{206}Pb/^{238}U$	1s	% Conc
TNT-06-21-C36	73	99	0.73	1.2482	0.0526	0.1358	0.0033	0.58	828	45	821	9	99
TNT-06-21-C38	63	94	0.67	1.1308	0.0421	0.1268	0.0029	0.62	766	40	770	8	100
TNT-06-21-C40	26	99	0.27	0.9363	0.0351	0.1105	0.0026	0.62	657	41	675	7	103
TNT-06-21-C41	47	115	0.41	0.8436	0.0299	0.1015	0.0023	0.64	615	39	623	7	101
TNT-06-21-C43	67	124	0.54	0.9655	0.0324	0.1145	0.0026	0.67	646	37	699	7	108
TNT-06-21-C44	35	87	0.40	0.7320	0.0672	0.0900	0.0034	0.41	567	102	556	10	98
TNT-06-21-C45	24	75	0.32	0.7023	0.0373	0.0872	0.0023	0.50	547	59	539	7	99
TNT-06-21-C46	85	110	0.77	0.8733	0.0501	0.1026	0.0029	0.49	666	63	630	8	95
TNT-06-21-C47	33	51	0.64	1.1161	0.0515	0.1256	0.0032	0.55	757	50	763	9	101
TNT-06-21-C50	20	31	0.63	1.2595	0.0811	0.1381	0.0043	0.48	813	69	834	12	103
TNT-06-21-C50-2	19	173	0.11	0.7948	0.0290	0.0950	0.0022	0.63	630	40	585	6	93
TNT-06-21-C51	53	74	0.71	1.1628	0.0496	0.1300	0.0032	0.58	771	46	788	9	102
Rims													
TNT-06-21-R9	30	284	0.11	0.6375	0.0208	0.0775	0.0017	0.68	592	36	481	5	81
TNT-06-21-R12	30	148	0.20	0.6329	0.0319	0.0791	0.0020	0.51	532	57	491	6	92
TNT-06-21-R16	59	364	0.16	0.6439	0.0230	0.0813	0.0018	0.63	509	41	504	5	99
TNT-06-21-R19	41	230	0.18	0.6293	0.0210	0.0778	0.0017	0.66	556	38	483	5	87
TNT-06-21-R28	47	385	0.12	0.6411	0.0200	0.0785	0.0017	0.70	577	35	487	5	84
TNT-06-21-R42	83	381	0.22	0.6353	0.0340	0.0801	0.0021	0.49	512	61	497	6	97
TNT-99-44													
TNT-99-44-C23	67	41	1.66	0.8569	0.1177	0.1025	0.0054	0.38	629	148	629	16	100
TNT-99-44-C25	52	42	1.25	0.9699	0.0448	0.1123	0.0027	0.53	697	51	686	8	98
TNT-99-44-C26	56	61	0.91	0.7023	0.0344	0.0868	0.0021	0.50	558	55	536	6	96
TNT-99-44-C26-2	114	179	0.64	0.6368	0.0235	0.0772	0.0017	0.60	599	42	479	5	80
TNT-99-44-C31	98	74	1.31	1.0792	0.0508	0.1215	0.0030	0.52	756	52	739	9	98
TNT-99-44-C31-2	66	281	0.23	0.7188	0.0474	0.0852	0.0025	0.45	647	73	527	7	81
TNT-99-44-C32	44	52	0.84	0.6906	0.0839	0.0857	0.0039	0.38	547	134	530	12	97
TNT-99-44-C33	59	109	0.54	0.7564	0.0306	0.0918	0.0021	0.56	595	46	566	6	95
TNT-99-44-C34	22	17	1.24	1.1591	0.1625	0.1276	0.0071	0.40	804	147	774	20	96
TNT-99-44-C35	44	37	1.19	0.9732	0.1010	0.1117	0.0047	0.41	715	112	683	14	95
TNT-99-44-C35-2	66	93	0.70	0.6719	0.0500	0.0782	0.0025	0.43	686	82	485	7	71
TNT-99-44-C37	39	25	1.57	1.0917	0.0906	0.1206	0.0043	0.43	796	89	734	12	92
TNT-99-44-C38	66	47	1.41	0.9781	0.0899	0.1123	0.0043	0.41	714	100	686	12	96
TNT-99-44-C39	95	71	1.33	1.1795	0.0503	0.1286	0.0030	0.55	824	46	780	9	95
TNT-99-44-C40	37	37	1.00	1.1433	0.1144	0.1261	0.0052	0.41	800	107	766	15	96
TNT-99-44-C40-2	43	77	0.56	0.8059	0.0548	0.0951	0.0029	0.44	656	75	586	8	89
TNT-99-44-C41	139	106	1.32	1.2174	0.0554	0.1314	0.0032	0.54	844	49	796	9	94
TNT-99-44-C42	23	20	1.15	1.1576	0.1066	0.1271	0.0049	0.42	809	98	771	14	95
TNT-99-44-C43	59	46	1.28	0.9555	0.1180	0.1101	0.0053	0.39	707	133	673	15	95
TNT-05-14													
TNT-05-14-C1	95	144	0.66	1.1238	0.0363	0.1270	0.0028	0.69	748	35	771	8	103
TNT-05-14-C5	403	403	1.00	0.9278	0.0250	0.1084	0.0023	0.79	676	29	664	7	98
TNT-05-14-C6	116	159	0.73	1.1793	0.0372	0.1297	0.0028	0.69	805	34	786	8	98
TNT-05-14-C9	76	180	0.42	0.7748	0.0268	0.0965	0.0021	0.63	539	40	594	6	110
TNT-05-14-C10	214	252	0.85	0.8635	0.0262	0.1042	0.0023	0.71	608	33	639	7	105
TNT-05-14-C11	338	339	1.00	1.1644	0.0317	0.1275	0.0027	0.78	815	29	773	8	95
TNT-05-14-C12	219	248	0.88	1.0173	0.0301	0.1179	0.0025	0.73	694	32	719	7	104
TNT-05-14-C14	84	213	0.40	1.0346	0.0318	0.1150	0.0025	0.71	783	33	702	7	90
TNT-05-14-C15	26	90	0.29	1.1678	0.0431	0.1286	0.0030	0.63	803	40	780	9	97

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				Isotopic ratios					Age (Ma)				
Analysis_#	Th ppm	U ppm	Th/U	$^{207}Pb/^{235}U$	2s	$^{206}Pb/^{238}U$	2s	rho	$^{207}Pb/^{206}Pb$	1s	$^{206}Pb/^{238}U$	1s	% Conc
TNT-05-14-C16	99	162	0.61	1.0047	0.0336	0.1132	0.0025	0.67	755	36	691	7	92
TNT-05-14-C19	477	453	1.05	0.9818	0.0268	0.1140	0.0023	0.75	691	30	696	7	101
TNT-05-14-C21	31	87	0.36	0.7386	0.0310	0.0898	0.0021	0.57	591	47	555	6	94
TNT-05-14-C23	438	423	1.04	1.0356	0.0286	0.1159	0.0025	0.77	769	30	707	7	92
TNT-05-14-C24	145	188	0.77	0.7271	0.0246	0.0879	0.0020	0.66	603	37	543	6	90
TNT-05-14-C27	60	121	0.49	0.8707	0.0314	0.1057	0.0024	0.63	594	40	648	7	109
TNT-05-14-C27-2	71	105	0.68	0.8833	0.0339	0.1069	0.0025	0.60	601	43	655	7	109
TNT-05-14-C28	225	247	0.91	1.0333	0.0316	0.1191	0.0025	0.68	706	34	725	7	103
TNT-05-14-C28-2	129	172	0.75	0.7867	0.0270	0.0957	0.0021	0.64	590	38	589	6	100
TNT-05-14-C29	189	210	0.90	1.0821	0.0323	0.1234	0.0026	0.72	729	33	750	8	103
TNT-05-14-C30	44	89	0.49	1.4385	0.0564	0.1499	0.0034	0.57	917	43	900	9	98
TNT-05-14-C32	166	212	0.78	1.0697	0.0328	0.1198	0.0025	0.69	766	33	730	7	95
TNT-05-14-C34	123	143	0.86	1.0640	0.0361	0.1214	0.0027	0.65	728	37	739	8	101
TNT-05-14-C36	83	191	0.43	0.9444	0.0309	0.1105	0.0024	0.66	673	36	676	7	100
TNT-05-14-C36-2	14	34	0.39	0.9858	0.0575	0.1117	0.0032	0.49	743	63	682	9	92
TNT-05-14-C37	193	180	1.08	0.8490	0.0298	0.1011	0.0022	0.62	637	39	621	6	97
TNT-05-14-C38	301	392	0.77	1.0598	0.0318	0.1219	0.0027	0.74	711	32	741	8	104
TNT-05-14-C39	61	138	0.44	1.0870	0.0356	0.1232	0.0027	0.66	742	36	749	8	101
TNT-05-14-C40	422	383	1.10	1.3395	0.0345	0.1453	0.0030	0.80	834	27	874	8	105
TNT-05-14-C42	139	162	0.86	1.0106	0.0337	0.1167	0.0025	0.65	702	37	712	7	101
TNT-05-14-C44-2	255	255	1.00	0.9373	0.0279	0.1097	0.0023	0.71	673	33	671	7	100
TNT-05-14-C50	351	403	0.87	1.0264	0.0304	0.1172	0.0026	0.74	726	32	715	7	98
TNT-05-14-C52	265	300	0.89	0.7479	0.0237	0.0930	0.0020	0.68	543	35	573	6	106
TNT-05-14-C53	37	100	0.37	0.7644	0.0321	0.0946	0.0022	0.56	553	47	583	7	105
TNT-05-14-C55	129	185	0.70	0.7203	0.0254	0.0876	0.0019	0.63	592	39	541	6	91
TNT-06-74													
TNT-06-74-C4	103	1095	0.09	0.8132	0.0244	0.0973	0.0023	0.79	627	31	599	7	95
TNT-06-74-C5	10	391	0.03	0.7191	0.0223	0.0895	0.0021	0.77	540	33	553	6	102
TNT-06-74-C6	112	270	0.41	1.1533	0.0444	0.1275	0.0033	0.68	796	39	774	10	97
TNT-06-74-C7	34	76	0.44	0.9582	0.0333	0.1104	0.0023	0.59	708	39	675	7	95
TNT-06-74-C7-2	117	737	0.16	1.0328	0.0270	0.1159	0.0025	0.81	762	28	707	7	93
TNT-06-74-C8	71	138	0.51	1.1771	0.0296	0.1299	0.0027	0.84	797	26	788	8	99
TNT-06-74-C8-2	256	709	0.36	1.0796	0.0339	0.1223	0.0029	0.74	743	32	744	8	100
TNT-06-74-C10	8	20	0.41	1.2696	0.0413	0.1364	0.0029	0.64	854	36	824	8	96
TNT-06-74-C11	43	91	0.47	1.1857	0.0307	0.1283	0.0027	0.82	839	27	778	8	93
TNT-06-74-C12	19	54	0.35	1.0414	0.0285	0.1159	0.0025	0.78	780	29	707	7	91
TNT-06-74-C13	13	30	0.42	1.1985	0.0341	0.1319	0.0028	0.76	803	30	799	8	99
TNT-06-74-C14	33	63	0.52	1.0929	0.0295	0.1219	0.0026	0.79	775	28	742	7	96
TNT-06-74-C15	19	41	0.46	1.0416	0.0295	0.1168	0.0025	0.76	764	30	712	7	93
TNT-06-74-C17	37	79	0.47	1.0088	0.0271	0.1168	0.0025	0.80	697	29	712	6	102
TNT-06-74-C18	10	57	0.17	1.0874	0.0299	0.1216	0.0026	0.78	770	29	740	8	96
TNT-06-74-C19	7	22	0.32	0.9395	0.0336	0.1089	0.0023	0.60	694	40	667	7	96
TNT-06-74-C2-19	48	116	0.41	0.7110	0.0192	0.0887	0.0019	0.79	534	30	548	6	103
TNT-06-74-C20	41	153	0.27	0.9196	0.0242	0.1055	0.0022	0.81	715	28	647	7	90
TNT-06-74-C22	47	149	0.31	1.0552	0.0278	0.1191	0.0025	0.81	750	28	726	7	97
TNT-06-74-C38	58	110	0.53	1.0633	0.0253	0.1180	0.0024	0.85	787	26	719	7	91
TNT-06-74-C39	84	400	0.21	0.9792	0.0215	0.1142	0.0023	0.91	681	24	697	7	102
TNT-06-74-C41	14	27	0.53	1.0627	0.0290	0.1175	0.0025	0.77	795	29	716	7	90
TNT-06-74-C44	93	412	0.23	0.8279	0.0191	0.0980	0.0020	0.88	650	25	603	6	93

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TNT-06-74-C47	55	342	0.16	0.9620	0.0223	0.1115	0.0023	0.87	693	25	682	7	98
TNT-06-74-C48	2	53	0.03	1.1292	0.0288	0.1248	0.0026	0.81	794	27	758	7	96
TNT-06-74-C49	5	12	0.41	1.1583	0.0381	0.1287	0.0028	0.67	784	36	780	8	100
TNT-06-74-C50	7	41	0.17	1.1111	0.0338	0.1214	0.0026	0.71	818	33	739	8	90
TNT-06-74-C52	38	95	0.40	1.0976	0.0293	0.1201	0.0025	0.78	816	29	731	7	90
TNT-06-76													
TNT-06-76-C02	43	77	0.56	1.0705	0.0835	0.1212	0.0047	0.50	743	82	738	14	99
TNT-06-76-C03	80	110	0.73	1.5071	0.0683	0.1555	0.0049	0.69	937	43	932	14	99
TNT-06-76-C04	46	86	0.54	1.2075	0.0553	0.1324	0.0042	0.69	811	44	802	12	99
TNT-06-76-C06	82	156	0.53	1.3859	0.0571	0.1460	0.0045	0.75	894	38	879	13	98
TNT-06-76-C07	28	56	0.50	1.1825	0.0631	0.1267	0.0042	0.63	858	53	769	12	90
TNT-06-76-C08	13	108	0.12	0.9533	0.0487	0.1104	0.0036	0.64	696	51	675	10	97
TNT-06-76-C09	132	282	0.47	1.1567	0.0541	0.1248	0.0040	0.69	845	45	758	11	90
TNT-06-76-C10	63	105	0.60	0.8827	0.0505	0.1033	0.0035	0.60	673	59	634	10	94
TNT-06-76-C10-2	41	58	0.70	1.3641	0.0859	0.1424	0.0052	0.58	912	63	858	15	94
TNT-06-76-C11	31	81	0.39	1.2910	0.0591	0.1391	0.0045	0.70	848	43	839	13	99
TNT-06-76-C13	119	196	0.61	1.3395	0.0536	0.1429	0.0045	0.78	868	36	861	13	99
TNT-06-76-C18	203	355	0.57	1.2606	0.0490	0.1358	0.0045	0.85	855	32	821	13	96
TNT-06-76-C19	26	81	0.32	0.8864	0.0588	0.1040	0.0040	0.58	674	67	638	12	95
TNT-06-76-C21	78	135	0.58	1.1080	0.0529	0.1236	0.0043	0.73	781	43	752	12	96
TNT-06-76-C23	33	61	0.53	1.0661	0.0673	0.1204	0.0046	0.61	755	62	733	13	97
TNT-06-76-C24	24	43	0.54	1.3032	0.0945	0.1396	0.0057	0.56	864	71	843	16	97
TNT-06-76-C25	41	136	0.30	1.3048	0.0460	0.1371	0.0031	0.64	900	38	828	9	92
TNT-06-76-C26	104	81	1.27	0.7288	0.0559	0.0883	0.0029	0.43	598	85	546	9	91
TNT-06-76-C28	94	183	0.51	0.7104	0.0408	0.0876	0.0024	0.48	560	64	541	7	97
TNT-06-76-C30	26	58	0.46	1.3256	0.0652	0.1404	0.0037	0.54	884	53	847	10	96
TNT-06-76-C31	123	358	0.34	1.3980	0.0367	0.1433	0.0030	0.79	950	28	864	8	91
TNT-06-76-C33	83	122	0.68	1.2408	0.0470	0.1334	0.0031	0.61	852	41	807	9	95
TNT-06-76-C34	140	267	0.52	1.4394	0.0409	0.1498	0.0032	0.74	919	30	900	9	98
TNT-06-76-C39	111	156	0.71	0.6211	0.0281	0.0788	0.0019	0.54	498	52	489	6	98
TNT-06-76-C40	38	80	0.47	1.2034	0.0505	0.1318	0.0032	0.58	813	45	798	9	98
TNT-06-76-C40-2	168	249	0.68	1.1259	0.0348	0.1267	0.0027	0.70	758	33	769	8	101
Rims													
TNT-06-76-R15	16	77	0.21	0.8107	0.0659	0.0971	0.0040	0.51	629	86	597	12	95
TNT-06-76-R17	42	186	0.22	0.8866	0.0443	0.1050	0.0037	0.70	655	48	644	11	98
TNT-06-76-R23	71	87	0.82	0.8020	0.0573	0.0967	0.0039	0.56	615	73	595	11	97
TNT-06-76-R01	53	61	0.87	0.7077	0.0480	0.0877	0.0031	0.52	551	73	542	9	98
TNT-06-76-R04	23	35	0.66	0.6580	0.0885	0.0824	0.0044	0.40	525	147	511	13	97
TNT-06-76-R08	81	74	1.10	0.7075	0.0849	0.0872	0.0044	0.42	561	130	539	13	96
TNT-06-76-R20	79	97	0.81	0.7235	0.0384	0.0888	0.0032	0.67	576	52	549	9	95
TNT-06-76-R22	62	75	0.82	0.7311	0.0453	0.0900	0.0034	0.61	571	62	555	10	97
TNT-06-76-R29	135	186	0.73	0.6369	0.0288	0.0796	0.0019	0.53	531	51	494	6	93
TNT-06-76-R34	148	180	0.82	0.6410	0.0328	0.0799	0.0021	0.50	536	58	496	6	92
TNT-06-76-R35	139	190	0.73	0.6934	0.0325	0.0858	0.0021	0.53	554	53	531	6	96
TNT-06-76-R36	122	139	0.87	0.6991	0.0397	0.0864	0.0024	0.49	557	64	534	7	96
TNT-06-76-R37	91	115	0.79	0.6918	0.0312	0.0861	0.0021	0.54	539	51	533	6	99

Table DR1. Laser Ablation ICP-MS U-Th-Pb isotopic data and calculated ages for zircons of the charnockite orthosgneisses from the Madurai, Trivandrum and Nagercoil Blocks of the SGT.

				Isotopic ratios					Age (Ma)				
Analysis_#	Th ppm	U ppm	Th/U	$^{207}Pb/^{235}U$	2s	$^{206}Pb/^{238}U$	2s	rho	$^{207}Pb/^{206}Pb$	1s	$^{206}Pb/^{238}U$	1s	% Conc
						I06-06							
06r4z4-c	13	92	0.14	1.5599	0.0524	0.1281	0.0038	0.87	1390	27	777	11	56
06r7z6-c	35	153	0.23	1.3569	0.0476	0.1186	0.0035	0.84	1269	29	722	10	57
06r1z8-c	41	50	0.83	1.9282	0.0818	0.1461	0.0046	0.74	1544	37	879	13	57
06r2z19-c	26	60	0.42	1.1987	0.0546	0.1143	0.0036	0.70	1097	43	698	11	64
06r3z14-c	23	44	0.53	2.3289	0.1023	0.1727	0.0056	0.74	1583	38	1027	15	65
06r1z24-c	28	169	0.17	2.3141	0.0737	0.1721	0.0051	0.93	1578	22	1024	14	65
06r2z11-c	26	50	0.53	3.0577	0.1059	0.2091	0.0064	0.89	1733	25	1224	17	71
06r3z4-c	21	67	0.31	2.5967	0.0939	0.1922	0.0058	0.83	1587	29	1133	16	71
06r3z12-c	15	86	0.17	2.7633	0.0878	0.2006	0.0058	0.91	1623	24	1178	16	73
06r2z22-c	26	132	0.20	3.2895	0.1036	0.2214	0.0066	0.95	1762	21	1289	17	73
06r8z7-c	32	58	0.55	3.0385	0.1009	0.2122	0.0062	0.89	1694	26	1241	17	73
06r3z1-c	20	358	0.05	3.0201	0.0881	0.2128	0.0061	0.98	1678	20	1244	16	74
06r4z11-c	23	44	0.52	3.2062	0.1236	0.2208	0.0068	0.80	1720	32	1286	18	75
06r3z2-c	21	71	0.30	3.2364	0.1023	0.2241	0.0065	0.92	1710	23	1304	17	76
06r1z25-c	13	78	0.17	3.4114	0.1106	0.2319	0.0070	0.93	1744	23	1345	18	77
06r1z16-c	14	120	0.12	3.6593	0.1125	0.2445	0.0072	0.96	1776	21	1410	19	79
06r2z15-c	19	55	0.35	3.6371	0.1216	0.2450	0.0075	0.91	1761	24	1413	19	80
06r1z22-c	18	58	0.31	3.6320	0.1192	0.2452	0.0074	0.91	1757	23	1413	19	80
06r1z9-c	44	100	0.43	3.8244	0.1228	0.2535	0.0075	0.92	1791	23	1456	19	81
06r2z6-c	31	60	0.52	3.8548	0.1272	0.2568	0.0078	0.92	1780	23	1474	20	83
06r1z2-c	15	405	0.04	4.2436	0.1246	0.2733	0.0077	0.95	1843	20	1558	19	85
06r3z6-c	45	75	0.60	4.1726	0.1277	0.2727	0.0079	0.94	1816	22	1555	20	86
06r1z13-c	15	74	0.20	3.9958	0.1466	0.2677	0.0083	0.84	1771	29	1529	21	86
06r2z9-c	12	85	0.14	4.0241	0.1296	0.2755	0.0081	0.92	1731	24	1569	21	91
06r1z10-c	32	144	0.23	4.6660	0.1463	0.2993	0.0088	0.94	1850	22	1688	22	91
06r1z17-c	23	63	0.37	4.5501	0.1598	0.2957	0.0090	0.86	1826	27	1670	22	91
06r1z19-c	19	95	0.20	4.6717	0.1499	0.3000	0.0089	0.93	1848	22	1691	22	92
06r2z18-c	26	48	0.54	4.3638	0.1604	0.2942	0.0091	0.84	1759	30	1662	23	94
06r3z3-c	56	72	0.77	4.8791	0.1498	0.3145	0.0091	0.94	1841	22	1763	22	96
06r3z10-c	31	84	0.38	4.9133	0.1570	0.3168	0.0096	0.94	1840	21	1774	23	96
06r1z11-c	24	125	0.19	4.7513	0.1522	0.3121	0.0091	0.91	1807	24	1751	22	97
06r1z14-c	32	76	0.42	4.9730	0.1553	0.3199	0.0093	0.93	1845	22	1789	23	97
06r4z10-c	12	33	0.36	4.8520	0.1968	0.3162	0.0101	0.79	1821	34	1771	25	97
06r5z4-c	16	34	0.48	4.8065	0.2015	0.3147	0.0102	0.77	1813	35	1764	25	97
06r2z10-c	55	80	0.69	5.1303	0.1733	0.3258	0.0100	0.91	1867	24	1818	24	97
06r2z20-c	43	62	0.69	5.0587	0.1709	0.3241	0.0099	0.91	1852	24	1810	24	98
06r2z12-c	40	64	0.62	5.1133	0.1652	0.3261	0.0099	0.94	1860	22	1819	24	98
06r1z3-c	17	64	0.26	5.2806	0.1628	0.3325	0.0095	0.92	1884	22	1851	23	98
06r4z3-c	37	60	0.62	4.7368	0.1549	0.3142	0.0092	0.90	1789	25	1761	23	98
06r2z16-c	28	42	0.68	5.0890	0.1939	0.3270	0.0103	0.83	1847	31	1824	25	99
Rims													
06r3z9-r	11	517	0.02	0.7649	0.0233	0.0934	0.0027	0.94	582	25	576	8	99
06r1z6-r	20	637	0.03	0.7264	0.0220	0.0895	0.0025	0.93	564	26	552	7	98
06r1z22-r	31	129	0.24	0.6509	0.0267	0.0803	0.0024	0.73	559	40	498	7	89
06r2z16-r	9	583	0.01	2.3590	0.0666	0.1785	0.0050	0.99	1545	19	1059	14	69
06r3z14-r	24	111	0.22	0.9113	0.0367	0.0959	0.0029	0.75	896	37	590	9	66
06r4z4-r	21	107	0.20	0.6711	0.0285	0.0837	0.0025	0.71	535	43	518	8	97
06r7z2-r	23	56	0.41	4.1394	0.1330	0.2697	0.0079	0.91	1821	24	1539	20	85

Table DR1. Laser Ablation ICP-MS U-Th-Pb isotopic data and calculated ages for zircons of the charnockite orthosgneisses from the Madurai, Trivandrum and Nagercoil Blocks of the SGT.

				Isotopic ratios					Age (Ma)				
Analysis_#	Th ppm	U ppm	Th/U	$^{207}Pb/^{235}U$	2s	$^{206}Pb/^{238}U$	2s	rho	$^{207}Pb/^{206}Pb$	1s	$^{206}Pb/^{238}U$	1s	% Conc
TNT-06-50													
TNT-06-50-C50	24	659	0.04	0.9939	0.0411	0.0985	0.0022	0.54	1019	44	606	7	59
TNT-06-50-C51	48	318	0.15	2.3426	0.0883	0.1728	0.0047	0.73	1595	34	1028	13	64
TNT-06-50-C53	47	263	0.18	3.3904	0.0831	0.2283	0.0049	0.87	1762	22	1326	13	75
TNT-06-50-C54	80	470	0.17	4.5570	0.1072	0.2804	0.0060	0.91	1925	21	1593	15	83
TNT-06-50-C56	85	521	0.16	2.1464	0.0587	0.1626	0.0033	0.73	1543	27	971	9	63
TNT-06-50-C57	170	670	0.25	3.2973	0.0781	0.2226	0.0047	0.89	1757	21	1296	12	74
TNT-06-50-C58	66	449	0.15	2.3501	0.0589	0.1734	0.0036	0.83	1593	24	1031	10	65
TNT-06-50-C60	68	177	0.39	0.7691	0.0261	0.0871	0.0020	0.66	745	37	538	6	72
TNT-06-50-C62	32	727	0.04	2.4095	0.0596	0.1772	0.0038	0.87	1599	23	1052	10	66
TNT-06-50-C64	169	421	0.40	5.7960	0.1781	0.3509	0.0072	0.67	1954	29	1939	17	99
TNT-06-50-C65	80	648	0.12	2.2444	0.0567	0.1667	0.0036	0.84	1580	24	994	10	63
TNT-06-50-C66	83	729	0.11	4.9819	0.1242	0.3025	0.0065	0.86	1949	22	1704	16	87
TNT-06-50-C67	39	738	0.05	2.6176	0.0871	0.1880	0.0047	0.76	1643	29	1111	13	68
TNT-06-50-C68	42	128	0.33	4.8556	0.1459	0.2994	0.0064	0.71	1921	28	1688	16	88
TNT-06-50-R54	22	1765	0.01	1.1013	0.0317	0.1063	0.0026	0.84	1072	27	652	8	61
TNT-06-50-R60	75	158	0.48	0.7440	0.0258	0.0855	0.0020	0.66	714	38	529	6	74
TNT-06-50-R62	24	1464	0.02	1.5668	0.0531	0.1300	0.0033	0.75	1372	31	788	9	57
TNT-06-50-R63	47	2553	0.02	1.8039	0.0436	0.1452	0.0031	0.87	1428	23	874	9	61
TNT-06-50-R65	37	149	0.25	2.5087	0.0736	0.1840	0.0041	0.77	1604	28	1089	11	68
TNT-06-50-R66	52	386	0.13	2.1353	0.0571	0.1623	0.0035	0.80	1537	26	969	10	63
TNT-06-50-R68	32	1157	0.03	1.7527	0.0955	0.1398	0.0043	0.57	1446	52	844	12	58
TNT-06-50-R69	52	429	0.12	1.0990	0.0350	0.1065	0.0025	0.73	1064	32	653	7	61
TNT-06-96													
TNT-06-96-C1	31	474	0.07	1.9261	0.0669	0.1466	0.0048	0.94	1535	23	882	13	57
TNT-06-96-C2	38	402	0.09	3.4679	0.1190	0.2205	0.0072	0.95	1866	22	1285	19	69
TNT-06-96-C3	72	852	0.09	3.9141	0.1320	0.2520	0.0082	0.97	1844	21	1449	21	79
TNT-06-96-C3-2	23	126	0.18	2.9315	0.1102	0.2015	0.0067	0.88	1724	26	1183	18	69
TNT-06-96-C4	107	1874	0.06	3.7202	0.1244	0.2309	0.0075	0.97	1910	20	1339	20	70
TNT-06-96-C6	438	831	0.53	3.6900	0.1246	0.2339	0.0076	0.96	1872	21	1355	20	72
TNT-06-96-C7	31	148	0.21	4.3366	0.1553	0.2618	0.0086	0.92	1959	23	1499	22	76
TNT-06-96-C8	36	102	0.35	3.9238	0.1592	0.2407	0.0085	0.87	1929	29	1391	22	72
TNT-06-96-C9	36	1100	0.03	4.2340	0.1575	0.2609	0.0090	0.93	1921	24	1495	23	78
TNT-06-96-C11	101	263	0.38	6.1310	0.2258	0.3546	0.0123	0.94	2034	23	1957	29	96
TNT-06-96-C13	77	615	0.13	4.3169	0.1565	0.2669	0.0092	0.95	1915	22	1525	23	80
TNT-06-96-C14	60	581	0.10	4.4930	0.1626	0.2813	0.0097	0.95	1893	22	1598	24	84
TNT-06-96-C15	70	693	0.10	4.9085	0.1773	0.2972	0.0103	0.96	1953	22	1678	26	86
TNT-06-96-C15-2	37	201	0.19	2.7083	0.1022	0.1863	0.0065	0.93	1722	25	1101	18	64
TNT-06-96-C16	29	323	0.09	3.1023	0.1164	0.2077	0.0073	0.93	1772	24	1217	19	69
TNT-06-96-C17	89	293	0.30	3.0545	0.1155	0.2041	0.0072	0.93	1776	24	1197	19	67
TNT-06-96-C18	47	320	0.15	1.4246	0.0559	0.1231	0.0043	0.90	1291	28	749	12	58
TNT-06-96-C19	40	125	0.32	1.3254	0.0583	0.1163	0.0042	0.82	1261	35	709	12	56
TNT-06-96-C21	51	589	0.09	2.9141	0.1127	0.2001	0.0071	0.91	1726	26	1176	19	68
TNT-06-96-C22	124	1031	0.12	4.6251	0.1811	0.2855	0.0101	0.90	1919	26	1619	25	84
TNT-06-96-C23	75	876	0.09	2.2880	0.0898	0.1638	0.0058	0.90	1649	26	978	16	59
TNT-06-96-C23-2	18	118	0.15	3.1065	0.1295	0.2033	0.0073	0.86	1813	29	1193	20	66
TNT-06-96-C24	134	225	0.60	4.1712	0.1718	0.2552	0.0092	0.87	1935	28	1465	24	76
TNT06-96-C24_2	73	971	0.08	4.6216	0.1856	0.2854	0.0101	0.88	1918	27	1619	25	84
TNT-06-96-C24-2	22	155	0.14	5.3051	0.2232	0.3123	0.0113	0.86	2004	29	1752	28	87

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				Isotopic ratios					Age (Ma)				
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TNT-06-96-C25	47	264	0.18	3.6389	0.0844	0.2299	0.0047	0.89	1877	21	1334	12	71
TNT-06-96-C25-2	44	808	0.05	2.1592	0.0486	0.1556	0.0031	0.90	1636	21	932	9	57
TNT-06-96-C26	50	252	0.20	3.7084	0.0866	0.2352	0.0048	0.88	1870	22	1362	13	73
TNT-06-96-C27	59	297	0.20	1.5247	0.0384	0.1248	0.0026	0.83	1397	25	758	7	54
TNT-06-96-C28	63	308	0.21	3.2361	0.0756	0.2102	0.0043	0.88	1827	22	1230	11	67
TNT-06-96-C29	123	326	0.38	3.7944	0.0875	0.2366	0.0048	0.88	1901	21	1369	13	72
TNT-06-96-C30	42	321	0.13	5.2354	0.1192	0.3147	0.0064	0.89	1967	21	1764	16	90
TNT-06-96-C31	82	1118	0.07	4.1672	0.0923	0.2538	0.0051	0.91	1943	20	1458	13	75
TNT-06-96-C33	583	4053	0.14	3.6118	0.0796	0.2309	0.0046	0.91	1856	20	1339	12	72
TNT-06-96-C35	393	749	0.52	5.4177	0.1223	0.3183	0.0064	0.89	2007	21	1782	16	89
TNT-06-96-C36	42	267	0.16	4.0904	0.0974	0.2562	0.0052	0.86	1893	22	1470	13	78
TNT-06-96-C37	52	304	0.17	4.9772	0.1172	0.3045	0.0062	0.86	1935	22	1714	15	89
TNT-06-96-C38	160	1382	0.12	3.5107	0.0801	0.2230	0.0045	0.88	1868	21	1298	12	69
TNT-06-96-C39	69	358	0.19	3.5646	0.0853	0.2246	0.0046	0.85	1882	22	1306	12	69
TNT-06-96-C40	244	1909	0.13	3.5747	0.0826	0.2260	0.0045	0.87	1877	21	1313	12	70
TNT-06-96-C42	354	2468	0.14	4.3693	0.1017	0.2678	0.0054	0.86	1932	21	1530	14	79
TNT-06-96-C43	45	228	0.20	3.9406	0.0992	0.2470	0.0051	0.82	1892	23	1423	13	75
TNT-06-96-C44	46	453	0.10	3.7747	0.0960	0.2343	0.0049	0.82	1909	24	1357	13	71
TNT-06-96-C45	60	282	0.21	4.6737	0.1167	0.2862	0.0059	0.82	1934	23	1622	15	84
TNT-06-96-C46	71	393	0.18	5.1572	0.1268	0.3120	0.0064	0.83	1956	23	1751	16	90
TNT-06-96-C46-2	46	222	0.21	5.5606	0.1422	0.3274	0.0068	0.81	2004	23	1826	16	91
TNT-06-96-C48	50	677	0.07	2.9872	0.0803	0.1967	0.0041	0.78	1803	25	1157	11	64
TNT-06-96-C49	42	295	0.14	3.8587	0.1010	0.2446	0.0051	0.79	1872	24	1411	13	75
TNT-06-96-C49-2	39	301	0.13	3.9704	0.1156	0.2479	0.0054	0.75	1899	27	1428	14	75
TNT-06-96-C50	57	416	0.14	5.0948	0.1357	0.2950	0.0062	0.78	2034	24	1666	15	82
Rims													
TNT-06-96-R1	53	160	0.33	0.8117	0.0361	0.0923	0.0031	0.75	735	40	569	9	77
TNT-06-96-R5	57	70	0.81	0.8040	0.0427	0.0838	0.0029	0.65	917	49	519	9	57
TNT-06-96-R6	59	125	0.48	0.8086	0.0382	0.0876	0.0030	0.72	837	42	541	9	65
TNT-06-96-R10	57	63	0.91	0.7226	0.0290	0.0879	0.0031	0.87	590	33	543	9	92
TNT-06-96-R11	51	107	0.47	0.7398	0.0376	0.0836	0.0031	0.72	749	47	517	9	69
TNT-06-96-R14	46	132	0.35	0.6809	0.0316	0.0827	0.0030	0.78	593	42	512	9	86
TNT-06-101													
TNT-06-101-C1	465	1749	0.27	3.1464	0.0857	0.2103	0.0050	0.88	1775	23	1230	13	69
TNT-06-101-C2	142	2160	0.07	1.8601	0.0419	0.1471	0.0031	0.92	1462	21	884	9	60
TNT-06-101-C3	73	700	0.10	3.3058	0.0698	0.2221	0.0044	0.93	1765	20	1293	12	73
TNT-06-101-C5	157	1989	0.08	1.8504	0.0456	0.1446	0.0033	0.92	1485	22	870	9	59
TNT-06-101-C6	394	2039	0.19	2.6522	0.0981	0.1857	0.0049	0.72	1690	33	1098	13	65
TNT-06-101-C7	270	1578	0.17	3.6480	0.0847	0.2388	0.0051	0.92	1813	20	1381	13	76
TNT-06-101-C9	200	1916	0.10	1.8799	0.0395	0.1495	0.0030	0.94	1451	20	898	8	62
TNT-06-101-C10	369	3370	0.11	3.8972	0.0851	0.2523	0.0052	0.94	1833	20	1451	13	79
TNT-06-101-C11	162	297	0.54	5.0507	0.1268	0.3084	0.0069	0.89	1938	22	1733	17	89
TNT-06-101-C13	502	555	0.90	5.0818	0.1137	0.3094	0.0064	0.93	1943	20	1738	16	89
TNT-06-101-C17	73	2160	0.03	3.2858	0.0695	0.2180	0.0043	0.92	1789	20	1271	11	71
TNT-06-101-C23	342	1369	0.25	4.3330	0.0915	0.2741	0.0056	0.96	1875	19	1562	14	83
TNT-06-101-C27	406	1005	0.40	3.6957	0.0827	0.2383	0.0050	0.94	1840	20	1378	13	75
TNT-06-101-C28	785	1479	0.53	3.5915	0.0759	0.2339	0.0048	0.96	1823	19	1355	12	74
TNT-06-101-C29	157	3285	0.05	1.4628	0.0304	0.1256	0.0025	0.94	1304	21	763	7	58
TNT-06-101-C32	198	1330	0.15	2.2189	0.0475	0.1598	0.0032	0.95	1637	20	956	9	58

Table DR1. Laser Ablation ICP-MS U-Th-Pb isotopic data and calculated ages for zircons of the charnockite orthosgneisses from the Madurai, Trivandrum and Nagercoil Blocks of the SGT.

				Isotopic ratios					Age (Ma)				
Analysis_#	Th ppm	U ppm	Th/U	$^{207}Pb/^{235}U$	2s	$^{206}Pb/^{238}U$	2s	rho	$^{207}Pb/^{206}Pb$	1s	$^{206}Pb/^{238}U$	1s	% Conc
TNT-06-101-C33	81	2064	0.04	2.1050	0.0496	0.1573	0.0030	0.81	1568	24	942	8	60
TNT-06-101-C2-33	94	1720	0.05	1.7656	0.0493	0.1402	0.0028	0.72	1454	28	846	8	58
TNT-06-101-C36	672	1845	0.36	3.8129	0.0806	0.2470	0.0050	0.95	1833	19	1423	13	78
TNT-06-101-C37	116	2782	0.04	4.5742	0.1101	0.2889	0.0063	0.91	1878	21	1636	16	87
TNT-06-101-C38	233	3460	0.07	3.1521	0.0640	0.2145	0.0042	0.97	1742	19	1253	11	72
TNT-06-101-C41	101	1742	0.06	1.3651	0.0338	0.1226	0.0028	0.91	1216	23	746	8	61
TNT-06-101-C43	833	1924	0.43	5.5262	0.1145	0.3349	0.0068	0.98	1951	18	1862	16	95
TNT-06-101-C44	147	2134	0.07	1.9231	0.0408	0.1452	0.0028	0.90	1549	21	874	8	56
TNT-06-101-C45	1070	2279	0.47	5.2503	0.1087	0.3234	0.0065	0.98	1923	18	1806	16	94
TNT-06-101-C46	155	1129	0.14	2.6884	0.0728	0.1867	0.0042	0.82	1704	25	1104	11	65
TNT-06-101-C49	360	757	0.48	5.8208	0.1460	0.3468	0.0080	0.92	1982	21	1919	19	97
TNT-06-101-C2-50	244	2837	0.09	3.0485	0.0633	0.2071	0.0042	0.98	1745	19	1213	11	70
TNT-06-101-C51	70	1495	0.05	2.9212	0.0604	0.2016	0.0039	0.93	1716	20	1184	10	69
TNT-06-101-C52	80	181	0.44	5.6106	0.1273	0.3356	0.0070	0.92	1975	20	1866	17	94
TNT-06-101-C53	299	398	0.75	4.2675	0.1172	0.2708	0.0063	0.84	1869	24	1545	16	83
Rims													
TNT-06-101-R3	122	258	0.47	0.7122	0.0212	0.0870	0.0018	0.70	580	33	538	5	93
TNT-06-101-R7	116	103	1.13	0.7226	0.0288	0.0876	0.0020	0.58	599	45	541	6	90
TNT-06-101-R9	123	210	0.58	0.7006	0.0407	0.0873	0.0025	0.49	538	65	539	7	100
TNT-06-101-R18	156	165	0.94	0.7741	0.0255	0.0927	0.0020	0.66	625	37	571	6	91
TNT-06-101-R28	140	298	0.47	0.7345	0.0212	0.0898	0.0019	0.74	580	32	554	6	96
TNT-06-101-R29	118	344	0.34	0.7309	0.0204	0.0871	0.0018	0.76	636	31	538	5	85
TNT-06-101-R32	149	300	0.50	0.6900	0.0202	0.0844	0.0018	0.74	578	32	522	5	90
TNT-06-101-R36	74	192	0.39	0.6891	0.0282	0.0861	0.0021	0.60	531	46	533	6	100
TNT-06-101-R40	126	295	0.43	0.7220	0.0302	0.0866	0.0023	0.63	620	45	536	7	86
TNT-06-101-R48	139	255	0.55	0.7377	0.0220	0.0907	0.0020	0.72	566	33	560	6	99

Table DR2. Hf-isotopic data for zircons of the charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT

Spot No.	$^{176}Hf/^{177}Hf$	2s	$^{176}Lu/^{177}Hf$	$^{176}Yb/^{177}Hf$	U/Pb AGE	$^{176}Hf/^{177}Hf$ (i)	eHf	2s	T_{DM} (Ga)	T^{C}_{DM} (Ga)
TNT-05-85										
Type-1 zircons										
05-85-Hf-C01	0.28129	0.000024	0.00047	0.06910	2459	0.281268	1.91	0.8	2.70	2.84
05-85-Hf-C02	0.28121	0.000027	0.00058	0.02780	2459	0.281183	-1.10	0.9	2.82	3.02
05-85-Hf-C03	0.28124	0.000032	0.00034	0.01551	2459	0.281224	0.36	1.1	2.76	2.94
05-85-Hf-C07	0.28128	0.00026	0.00035	0.01551	2459	0.281264	1.77	9.1	2.71	2.85
05-85-Hf-C09	0.2812	0.000021	0.00091	0.03590	2459	0.281157	-2.02	0.7	2.85	3.08
05-85-Hf-C10	0.28118	0.000025	0.00048	0.01886	2459	0.281157	-2.01	0.9	2.85	3.08
05-85-Hf-C11	0.28126	0.000025	0.00072	0.03037	2459	0.281226	0.44	0.9	2.76	2.93
05-85-Hf-C12	0.28121	0.000024	0.00035	0.01474	2459	0.281193	-0.73	0.8	2.80	3.00
05-85-Hf-C13	0.2812	0.000028	0.00058	0.02416	2459	0.281173	-1.47	1.0	2.83	3.04
05-85-Hf-C15	0.28123	0.000028	0.00060	0.02826	2459	0.281202	-0.44	1.0	2.79	2.98
05-85-Hf-C16	0.28119	0.000022	0.00062	0.02492	2459	0.281161	-1.88	0.8	2.85	3.07
05-85-Hf-C20	0.2812	0.000025	0.00034	0.01290	2459	0.281184	-1.06	0.9	2.81	3.02
05-85-Hf-C21	0.28116	0.000024	0.00061	0.02370	2459	0.281131	-2.95	0.8	2.89	3.13
05-85-Hf-C23	0.28124	0.000018	0.00057	0.02307	2459	0.281213	-0.03	0.6	2.78	2.96
05-85-Hf-C25	0.28112	0.000026	0.00060	0.02550	2459	0.281092	-4.35	0.9	2.94	3.21
05-85-Hf-C27	0.28121	0.000024	0.00106	0.04078	2459	0.281160	-1.90	0.8	2.85	3.07
05-85-Hf-C28	0.28119	0.000031	0.00042	0.01936	2459	0.281170	-1.56	1.1	2.83	3.05
05-85-Hf-C30	0.2812	0.000025	0.00048	0.01957	2459	0.281178	-1.29	0.9	2.82	3.03
05-85-Hf-C31	0.28121	0.000022	0.00110	0.03993	2459	0.281158	-1.98	0.8	2.86	3.07
05-85-Hf-C34	0.28115	0.00002	0.00056	0.02120	2459	0.281124	-3.21	0.7	2.90	3.15
05-85-Hf-C36	0.28132	0.000031	0.00050	0.02250	2459	0.281296	2.93	1.1	2.66	2.78
05-85-Hf-C39	0.28129	0.000033	0.00043	0.01698	2459	0.281270	1.99	1.2	2.70	2.84
05-85-Hf-C41	0.28124	0.000037	0.00035	0.01623	2459	0.281224	0.34	1.3	2.76	2.94
05-85-Hf-C42	0.28122	0.000025	0.00116	0.04541	2459	0.281166	-1.72	0.9	2.85	3.06
05-85-Hf-C43	0.28121	0.000035	0.00037	0.01741	2459	0.281193	-0.76	1.2	2.80	3.00
05-85-Hf-C44	0.28122	0.000039	0.00084	0.04084	2459	0.281181	-1.19	1.4	2.82	3.03
05-85-Hf-C45	0.28123	0.000024	0.00128	0.01502	2459	0.281170	-1.57	0.8	2.84	3.05
05-85-Hf-C46	0.28112	0.000028	0.00104	0.04257	2459	0.281071	-5.07	1.0	2.97	3.26
05-85-Hf-C50	0.28121	0.000045	0.00050	0.02310	2459	0.281186	-0.98	1.6	2.81	3.01
05-85-Hf-C54	0.28111	0.000046	0.00045	0.01958	2459	0.281089	-4.44	1.6	2.94	3.22
Type -2 Zircons										
05-85-Hf-04	0.28168	0.000025	0.00040	0.01685	571	0.281676	-26.23	0.9	2.17	3.13
05-85-Hf-05	0.28159	0.000025	0.00033	0.01461	571	0.281586	-29.39	0.9	2.29	3.32
05-85-Hf-29	0.28165	0.000025	0.00034	0.01019	571	0.281646	-27.27	0.9	2.21	3.19
05-85-Hf-33	0.28172	0.000028	0.00040	0.01581	571	0.281716	-24.81	1.0	2.12	3.04
05-85-Hf-38	0.2816	0.000036	0.00037	0.01479	571	0.281596	-29.05	1.3	2.28	3.30
I06-06										
r1z17-c	0.281492	2.95294E-05	0.00128	0.08213	1860	0.281447	-5.43	1.0	2.48	2.82
r2z16-c	0.281495	3.30156E-05	0.00116	0.07512	1860	0.281454	-5.19	1.2	2.47	2.81
r2z18-c	0.281485	4.60723E-05	0.00145	0.09589	1860	0.281434	-5.91	1.6	2.50	2.85
r2z9-c	0.281454	3.22161E-05	0.00088	0.05485	1860	0.281423	-6.27	1.1	2.51	2.87
r3z3-c	0.281482	3.26945E-05	0.00152	0.09789	1860	0.281429	-6.08	1.1	2.51	2.86
r4z10-c	0.281450	2.75838E-05	0.00135	0.08828	1860	0.281402	-7.02	1.0	2.54	2.92
r4z3-c	0.281492	4.22600E-05	0.00115	0.07087	1860	0.281452	-5.27	1.5	2.47	2.81
r5z4-c	0.281413	2.94178E-05	0.00098	0.06230	1860	0.281379	-7.87	1.0	2.57	2.97

Table DR2. Hf-isotopic data for zircons of the charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT

Spot No.	$^{176}Hf/^{177}Hf$	2s	$^{176}Lu/^{177}Hf$	$^{176}Yb/^{177}Hf$	U/Pb AGE	$^{176}Hf/^{177}Hf$ (i)	eHf	2s	T_{DM} (Ga)	T^{C}_{DM} (Ga)
TNT-06-50										
06-50-Hf-50	0.281362	0.00002	0.00107	0.03396	1966	0.281322	-7.47	0.7	2.65	3.02
06-50-Hf-53	0.281551	0.000031	0.00006	0.00269	1966	0.281549	0.59	1.1	2.33	2.54
06-50-Hf-54	0.281565	0.000027	0.00050	0.01687	1966	0.281546	0.51	0.9	2.33	2.55
06-50-Hf-56	0.281672	0.000045	0.00048	0.01668	1966	0.281654	4.34	1.6	2.19	2.32
06-50-Hf-57	0.281679	0.000025	0.00071	0.02488	1966	0.281652	4.28	0.9	2.19	2.32
06-50-Hf-58	0.281451	0.000034	0.00064	0.02010	1966	0.281427	-3.73	1.2	2.50	2.80
06-50-Hf-60	0.281624	0.000028	0.00069	0.02565	1966	0.281598	2.34	1.0	2.26	2.44
06-50-Hf-61	0.281528	0.000023	0.00038	0.01448	1966	0.281514	-0.64	0.8	2.37	2.62
06-50-Hf-62	0.281563	0.000028	0.00063	0.02456	1966	0.281540	0.27	1.0	2.34	2.56
06-50-Hf-63	0.281535	0.000031	0.00102	0.03671	1966	0.281497	-1.25	1.1	2.41	2.65
06-50-Hf-64	0.281539	0.00002	0.00038	0.01365	1966	0.281525	-0.26	0.7	2.36	2.59
06-50-Hf-65	0.281602	0.000033	0.00069	0.02212	1966	0.281576	1.57	1.2	2.29	2.48
06-50-Hf-66	0.281552	0.000026	0.00068	0.02504	1966	0.281526	-0.20	0.9	2.36	2.59
06-50-Hf-68	0.281409	0.000029	0.00073	0.02416	1966	0.281382	-5.34	1.0	2.56	2.90
Rim Analysis										
06-50-Hf-R70	0.28155	0.000032	0.00051	0.01589	530	0.281545	-31.77	1.1	2.35	3.44
TNT-06-96										
06-96-C01	0.281679	0.000023	0.00001	0.00045	2034	0.281679	6.76	0.8	2.15	2.22
06-96-C02	0.281542	0.00002	0.00003	0.01087	2034	0.281541	1.87	0.7	2.34	2.52
06-96-C03	0.2814999	0.000024	0.00142	0.06292	2034	0.281445	-1.54	0.8	2.48	2.72
06-96-C04	0.281545	0.000024	0.00031	0.01292	2034	0.281533	1.59	0.8	2.35	2.53
06-96-C05	0.281657	0.000018	0.00036	0.01568	2034	0.281643	5.50	0.6	2.20	2.30
06-96-C06	0.281505	0.000025	0.00013	0.05772	2034	0.281500	0.42	0.9	2.39	2.60
06-96-C08	0.28152	0.00002	0.00042	0.01781	2034	0.281504	0.54	0.7	2.39	2.60
06-96-C09	0.281426	0.000024	0.00079	0.03386	2034	0.281396	-3.30	0.8	2.54	2.83
06-96-C11	0.281617	0.000026	0.00004	0.00194	2034	0.281615	4.51	0.9	2.24	2.36
06-96-C13	0.281627	0.00002	0.00007	0.00322	2034	0.281624	4.83	0.7	2.22	2.34
06-96-C14	0.281512	0.000024	0.00034	0.01378	2034	0.281499	0.37	0.8	2.39	2.61
06-96-C15	0.281486	0.000019	0.00099	0.04427	2034	0.281448	-1.45	0.7	2.47	2.72
06-96-C16	0.281492	0.000016	0.00062	0.02134	2034	0.281468	-0.72	0.6	2.44	2.67
06-96-C17	0.281485	0.000026	0.00040	0.01806	2034	0.281470	-0.67	0.9	2.43	2.67
06-96-C18	0.281556	0.000026	0.00046	0.01956	2034	0.281538	1.77	0.9	2.34	2.52
06-96-C21	0.281504	0.000031	0.00130	0.05816	2034	0.281454	-1.24	1.1	2.47	2.70
06-96-C22	0.281546	0.000027	0.00093	0.04147	2034	0.281510	0.77	0.9	2.38	2.58
06-96-C23	0.281499	0.000032	0.00034	0.01451	2034	0.281486	-0.09	1.1	2.41	2.64
06-96-C24	0.281526	0.00003	0.00107	0.04758	2034	0.281484	-0.14	1.1	2.42	2.64
06-96-C25	0.281518	0.00002	0.00039	0.01473	2034	0.281503	0.52	0.7	2.39	2.60
06-96-C26	0.281624	0.000021	0.00007	0.00299	2034	0.281621	4.72	0.7	2.23	2.35
06-96-C27	0.281445	0.00002	0.00060	0.02613	2034	0.281422	-2.37	0.7	2.50	2.77
06-96-C28	0.28153	0.000021	0.00074	0.03002	2034	0.281501	0.46	0.7	2.39	2.60
06-96-C29	0.281561	0.000015	0.00035	0.01390	2034	0.281548	2.10	0.5	2.33	2.50
06-96-C30	0.281544	0.000024	0.00054	0.02241	2034	0.281523	1.23	0.8	2.36	2.56
06-96-C31	0.281501	0.000031	0.00027	0.01165	2034	0.281490	0.07	1.1	2.40	2.63
Rim Analyses										
06-96-R07	0.281519	0.000037	0.00044	0.01769	526	0.281515	-32.93	1.3	2.39	3.50
06-96-R10	0.281737	0.000023	0.00002	0.00074	526	0.281737	-25.06	0.8	2.07	3.03
06-96-R19	0.281589	0.000022	0.00015	0.00626	526	0.281588	-30.35	0.8	2.28	3.35

Table DR2. Hf-isotopic data for zircons of the charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT

Spot No.	$^{176}Hf/^{177}Hf$	2s	$^{176}Lu/^{177}Hf$	$^{176}Yb/^{177}Hf$	U/Pb AGE	$^{176}Hf/^{177}Hf$ (i)	eHf	2s	T_{DM} (Ga)	T^{C}_{DM} (Ga)
TNT-06-101										
06-101-C1	0.281712	0.000027	0.00028	0.00851	1978	0.281701	6.29	0.9	2.12	2.21
06-101-C3	0.281358	0.000049	0.00026	0.00918	1978	0.281348	-6.26	1.7	2.60	2.96
06-101-C6	0.281539	0.00006	0.00065	0.02623	1978	0.281515	-0.35	2.1	2.38	2.61
06-101-C9	0.28135	0.00004	0.00072	0.02569	1978	0.281323	-7.15	1.4	2.64	3.01
06-101-C11	0.281775	0.000065	0.00104	0.04176	1978	0.281736	7.52	2.3	2.08	2.13
06-101-C17	0.281819	0.000059	0.00070	0.02361	1978	0.281793	9.53	2.1	2.00	2.01
06-101-C18	0.281535	0.000037	0.00037	0.01349	1978	0.281521	-0.12	1.3	2.37	2.59
06-101-C23	0.281417	0.000048	0.00079	0.03016	1978	0.281387	-4.87	1.7	2.55	2.88
06-101-C27	0.281566	0.000026	0.00097	0.04377	1978	0.281530	0.19	0.9	2.36	2.58
06-101-C28	0.281641	0.000028	0.00090	0.03951	1978	0.281607	2.94	1.0	2.25	2.41
06-101-C29	0.281501	0.00002	0.00102	0.04128	1978	0.281463	-2.20	0.7	2.45	2.72
06-101-C32	0.281689	0.000024	0.00019	0.00555	1978	0.281682	5.60	0.8	2.15	2.25
06-101-C33	0.281673	0.000021	0.00057	0.02454	1978	0.281652	4.52	0.7	2.19	2.31
06-101-C36	0.281705	0.000024	0.00054	0.02274	1978	0.281685	5.70	0.8	2.14	2.24
06-101-C37	0.281817	0.000039	0.00116	0.04460	1978	0.281773	8.84	1.4	2.02	2.05
06-101-C38	0.28183	0.000035	0.00079	0.02912	1978	0.281801	9.81	1.2	1.99	1.99
Rim Analyses										
06-101-R29	0.281756	0.000022	0.00017	0.00705	531	0.281754	-24.33	0.8	2.06	2.99
06-101-R30	0.281651	0.000027	0.00027	0.01150	531	0.281648	-28.09	0.9	2.20	3.21
06-101-R36	0.281565	0.000027	0.00023	0.00772	531	0.281563	-31.12	0.9	2.32	3.40
TNT-05-14										
05-14-Hf-C01	0.282272	0.000029	0.00050	0.02006	900	0.282263	1.89	1.0	1.37	1.65
05-14-Hf-C04	0.282442	0.000038	0.00089	0.03875	900	0.282427	7.68	1.3	1.14	1.29
05-14-Hf-C05	0.28231	0.000019	0.00094	0.04289	900	0.282294	2.98	0.7	1.33	1.58
05-14-Hf-C09	0.282313	0.000012	0.00029	0.01241	900	0.282308	3.48	0.4	1.30	1.55
05-14-Hf-C10	0.282376	0.000013	0.00046	0.01942	900	0.282368	5.60	0.5	1.22	1.42
05-14-Hf-C11	0.282339	0.000025	0.00096	0.04189	900	0.282323	3.99	0.9	1.29	1.52
05-14-Hf-C12	0.282284	0.000016	0.00075	0.03498	900	0.282271	2.17	0.6	1.36	1.63
05-14-Hf-C14	0.282277	0.000024	0.00018	0.00605	900	0.282274	2.27	0.8	1.35	1.62
05-14-Hf-C15	0.28236	0.000024	0.00029	0.01002	900	0.282355	5.14	0.8	1.24	1.45
05-14-Hf-C15-2	0.282313	0.000021	0.00033	0.01229	900	0.282307	3.45	0.7	1.30	1.55
05-14-Hf-C16	0.282383	0.000021	0.00063	0.02487	900	0.282372	5.75	0.7	1.22	1.41
05-14-Hf-C31	0.282381	0.000022	0.00025	0.01142	900	0.282377	5.91	0.8	1.21	1.40
05-14-Hf-C32	0.282332	0.000022	0.00039	0.02023	900	0.282325	4.09	0.8	1.28	1.51
05-14-Hf-C34	0.282268	0.00002	0.00028	0.00154	900	0.282263	1.88	0.7	1.36	1.65
05-14-Hf-C36	0.282342	0.000022	0.00038	0.02205	900	0.282336	4.45	0.8	1.27	1.49
05-14-Hf-C37	0.282317	0.000024	0.00061	0.03437	900	0.282307	3.42	0.8	1.31	1.55
05-14-Hf-C38	0.282372	0.000025	0.00074	0.03638	900	0.282359	5.30	0.9	1.24	1.44
05-14-Hf-C39	0.282317	0.000023	0.00082	0.04245	900	0.282303	3.30	0.8	1.31	1.56
05-14-Hf-C40	0.282428	0.000042	0.00216	0.10838	900	0.282391	6.43	1.5	1.20	1.37
05-14-Hf-C42	0.282284	0.000021	0.00047	0.02260	900	0.282276	2.34	0.7	1.35	1.62
05-14-Hf-C46	0.282304	0.000015	0.00065	0.03037	900	0.282293	2.94	0.5	1.33	1.58
05-14-Hf-C50	0.282368	0.000023	0.00023	0.00919	900	0.282364	5.46	0.8	1.22	1.43
05-14-Hf-C52	0.282321	0.000016	0.00040	0.02128	900	0.282314	3.69	0.6	1.30	1.54
05-14-Hf-C53	0.282391	0.000027	0.00012	0.00619	900	0.282389	6.34	0.9	1.19	1.37
05-14-Hf-C55	0.282332	0.000026	0.00034	0.01773	900	0.282326	4.12	0.9	1.28	1.51

Table DR2. Hf-isotopic data for zircons of the charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT

Spot No.	$^{176}Hf/^{177}Hf$	2s	$^{176}Lu/^{177}Hf$	$^{176}Yb/^{177}Hf$	U/Pb AGE	$^{176}Hf/^{177}Hf$ (i)	eHf	2s	T_{DM} (Ga)	T^{C}_{DM} (Ga)
TNT-06-76										
06-76-Hf-C02	0.282618	0.000036	0.00110	0.04909	914	0.282599	14.10	1.3	0.90	0.90
06-76-Hf-C03	0.282445	0.00004	0.00080	0.03551	914	0.282431	8.15	1.4	1.14	1.27
06-76-Hf-C04	0.282459	0.000032	0.00086	0.03779	914	0.282444	8.61	1.1	1.12	1.24
06-76-Hf-C06	0.28251	0.000027	0.00089	0.04203	914	0.282495	10.40	0.9	1.05	1.13
06-76-Hf-C07	0.282368	0.000034	0.00055	0.02379	914	0.282359	5.57	1.2	1.24	1.43
06-76-Hf-C08	0.28254	0.000023	0.00079	0.03388	914	0.282526	11.52	0.8	1.00	1.06
06-76-Hf-C09	0.282578	0.000026	0.00125	0.05086	914	0.282556	12.59	0.9	0.96	0.99
06-76-Hf-C10	0.282491	0.000023	0.00043	0.01836	914	0.282484	10.00	0.8	1.06	1.15
06-76-Hf-C11	0.28236	0.000023	0.00043	0.01851	914	0.282353	5.36	0.8	1.24	1.44
06-76-Hf-C13	0.282425	0.000022	0.00038	0.01733	914	0.282418	7.70	0.8	1.15	1.30
06-76-Hf-C18	0.282558	0.000026	0.00120	0.05480	914	0.282537	11.91	0.9	0.99	1.03
06-76-Hf-C19	0.282492	0.00004	0.00053	0.02208	914	0.282483	9.98	1.4	1.06	1.15
06-76-Hf-C21	0.282606	0.000022	0.00073	0.03481	914	0.282593	13.90	0.8	0.91	0.91
06-76-Hf-C23	0.282469	0.000029	0.00074	0.03148	914	0.282456	9.04	1.0	1.10	1.21
06-76-Hf-C24	0.282629	0.000046	0.00096	0.04235	914	0.282612	14.57	1.6	0.88	0.87
06-76-Hf-C25	0.282461	0.000029	0.00051	0.02213	914	0.282452	8.90	1.0	1.10	1.22
06-76-Hf-C26	0.282526	0.000033	0.00039	0.01719	914	0.282519	11.27	1.2	1.01	1.07
06-76-Hf-C28	0.28255	0.00002	0.00111	0.03932	914	0.282531	11.68	0.7	1.00	1.05
06-76-Hf-C33	0.282585	0.000033	0.00091	0.04384	914	0.282569	13.05	1.2	0.94	0.96
06-76-Hf-C34	0.282498	0.00002	0.00043	0.02017	914	0.282491	10.25	0.7	1.05	1.14
06-76-Hf-C39	0.282577	0.000023	0.00039	0.01800	914	0.282570	13.08	0.8	0.94	0.96
Rim Analyses										
06-76-Hf-R-01	0.282509	0.000038	0.00078	0.034834	516	0.282501	1.79	1.3	1.05	1.36
06-76-Hf-R-16	0.282538	0.000034	0.00012	0.057986	516	0.282537	3.04	1.2	0.99	1.28
06-76-Hf-R-17	0.282409	0.000035	0.00066	0.031943	516	0.282403	-1.71	1.2	1.18	1.58
06-76-Hf-R-20	0.28258	0.000026	0.00079	0.035710	516	0.282572	4.30	0.9	0.95	1.20
TNT-06-74										
TNT-06-74-Hf-04	0.281785	2.40E-05	0.00046	0.018606	869	0.281777	-16.02	0.8	2.03	2.72
TNT-06-74-Hf-06	0.281864	2.20E-05	0.00057	0.020019	869	0.281855	-13.28	0.8	1.93	2.56
TNT-06-74-Hf-07	0.281824	2.80E-05	0.00075	0.031434	869	0.281812	-14.81	1.0	1.99	2.65
TNT-06-74-Hf-08	0.281843	1.90E-05	0.00056	0.020935	869	0.281834	-14.02	0.7	1.96	2.60
TNT-06-74-Hf-10	0.281822	2.90E-05	0.00061	0.025968	869	0.281812	-14.79	1.0	1.99	2.65
TNT-06-74-Hf-11	0.281811	1.70E-05	0.00077	0.029954	869	0.281798	-15.28	0.6	2.01	2.68
TNT-06-74-Hf-12	0.281794	1.80E-05	0.00064	0.025760	869	0.281784	-15.80	0.6	2.03	2.71
TNT-06-74-Hf-13	0.281797	3.10E-05	0.00053	0.022120	869	0.281788	-15.63	1.1	2.02	2.70
TNT-06-74-Hf-14	0.281819	1.90E-05	0.00058	0.024010	869	0.281809	-14.88	0.7	1.99	2.66
TNT-06-74-Hf-15	0.281870	2.30E-05	0.00121	0.054632	869	0.281850	-13.44	0.8	1.95	2.57
TNT-06-74-Hf-17	0.281899	2.40E-05	0.00106	0.043241	869	0.281882	-12.33	0.8	1.91	2.50
TNT-06-74-Hf-18	0.281850	1.80E-05	0.00060	0.023537	869	0.281840	-13.79	0.6	1.95	2.59
TNT-06-74-Hf-19	0.281827	2.30E-05	0.00069	0.030205	869	0.281816	-14.66	0.8	1.99	2.64
TNT-06-74-Hf-20	0.281894	2.10E-05	0.00071	0.028349	869	0.281882	-12.30	0.7	1.89	2.50
TNT-06-74-Hf-22	0.281845	2.20E-05	0.00102	0.042435	869	0.281828	-14.22	0.8	1.98	2.62

Table DR2. Hf-isotopic data for zircons of the charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT

Spot No.	$^{176}Hf/^{177}Hf$	2s	$^{176}Lu/^{177}Hf$	$^{176}Yb/^{177}Hf$	U/Pb AGE	$^{176}Hf/^{177}Hf$ (i)	eHf	2s	T_{DM} (Ga)	T^{C}_{DM} (Ga)
TNT-06-07										
06-07-Hf-03	0.281816	0.000025	0.00069	0.032891	771	0.281806	-17.19	0.9	2.00	2.72
06-07-Hf-08	0.281727	0.000024	0.00076	0.037536	771	0.281716	-20.37	0.8	2.13	2.92
06-07-Hf-16	0.2819006	0.000024	0.00043	0.020852	771	0.281894	-14.06	0.8	1.87	2.53
06-07-Hf-21	0.281807	0.000027	0.00074	0.035726	771	0.281796	-17.53	0.9	2.02	2.75
06-07-Hf-23	0.281815	0.000033	0.00052	0.024529	771	0.281807	-17.14	1.2	1.99	2.72
06-07-Hf-27	0.281837	0.000039	0.00076	0.034227	771	0.281826	-16.48	1.4	1.98	2.68
06-07-Hf-32	0.281822	0.000033	0.00054	0.022463	771	0.281814	-16.90	1.2	1.99	2.71
06-07-Hf-38	0.281782	0.00002	0.00087	0.036996	771	0.281769	-18.48	0.7	2.06	2.80
06-07-Hf-39	0.281769	0.000024	0.00067	0.028789	771	0.281759	-18.84	0.8	2.06	2.83
06-07-Hf-43	0.281732	0.000033	0.00231	0.084737	771	0.281698	-21.00	1.2	2.21	2.96
Rim Analyses										
06-07-Hf-R06	0.281833	0.000019	0.00052	0.024607	614	0.281827	-19.92	0.7	1.97	2.78
06-07-Hf-R13	0.281822	0.00002	0.00068	0.034773	614	0.281814	-20.38	0.7	1.99	2.81
06-07-Hf-R18	0.281811	0.000024	0.00059	0.020759	614	0.281804	-20.73	0.8	2.00	2.83
06-07-Hf-R26	0.281725	0.000025	0.00068	0.030942	614	0.281717	-23.82	0.9	2.13	3.01
06-07-Hf-R28	0.281757	0.000028	0.00086	0.038638	614	0.281747	-22.75	1.0	2.09	2.95
06-07-Hf-R30	0.281699	0.000032	0.00045	0.019284	614	0.281694	-24.64	1.1	2.15	3.06
06-07-Hf-R31	0.281829	0.000025	0.00084	0.036250	614	0.281819	-20.19	0.9	1.99	2.79
TNT-06-21										
06-21-Hf-C02	0.28176	0.000023	0.00045	0.020442	774	0.281753	-18.98	0.8	2.06	2.84
06-21-Hf-C03	0.281735	0.000025	0.00073	0.031257	774	0.281724	-20.01	0.9	2.11	2.90
06-21-Hf-C05	0.281798	0.000025	0.00049	0.020101	774	0.281791	-17.66	0.9	2.02	2.76
06-21-Hf-C07	0.281741	0.000028	0.00036	0.016194	774	0.281736	-19.61	1.0	2.09	2.87
06-21-Hf-C08	0.281784	0.000024	0.00083	0.036292	774	0.281772	-18.33	0.8	2.05	2.80
06-21-Hf-C10	0.281751	0.000024	0.00075	0.024868	774	0.281740	-19.45	0.8	2.09	2.86
06-21-Hf-C11	0.281857	0.000035	0.00049	0.022155	774	0.281850	-15.57	1.2	1.94	2.63
06-21-Hf-C13	0.281763	0.000028	0.00053	0.022231	774	0.281755	-18.92	1.0	2.07	2.83
06-21-Hf-C14	0.28185	0.00003	0.00079	0.038009	774	0.281839	-15.97	1.1	1.96	2.65
06-21-Hf-C15	0.281807	0.000025	0.00062	0.029949	774	0.281798	-17.40	0.9	2.01	2.74
06-21-Hf-C18	0.281836	0.000028	0.00073	0.034407	774	0.281825	-16.43	1.0	1.98	2.68
06-21-Hf-C20	0.281824	0.000025	0.00044	0.020362	774	0.281818	-16.71	0.9	1.98	2.70
06-21-Hf-C21	0.281734	0.000028	0.00045	0.020313	774	0.281727	-19.90	1.0	2.10	2.89
06-21-Hf-C22	0.281784	0.000038	0.00057	0.026107	774	0.281776	-18.19	1.3	2.04	2.79
06-21-Hf-C23	0.28183	0.000024	0.00028	0.012414	774	0.281826	-16.41	0.8	1.96	2.68
06-21-Hf-C26	0.281779	0.000025	0.00056	0.026343	774	0.281771	-18.36	0.9	2.04	2.80
06-21-Hf-C27	0.281692	0.000024	0.00050	0.022353	774	0.281685	-21.41	0.8	2.16	2.98
06-21-Hf-C29	0.281851	0.000028	0.00050	0.022453	774	0.281844	-15.78	1.0	1.94	2.64
06-21-Hf-C31	0.281716	0.000025	0.00044	0.021973	774	0.281710	-20.53	0.9	2.12	2.93
06-21-Hf-C32	0.281777	0.000029	0.00038	0.021729	774	0.281771	-18.34	1.0	2.04	2.80
06-21-Hf-C33	0.281676	0.00003	0.00068	0.029404	774	0.281666	-22.07	1.1	2.19	3.02
06-21-Hf-C34	0.281692	0.000026	0.00030	0.011902	774	0.281688	-21.31	0.9	2.15	2.98
06-21-Hf-C35	0.281668	0.000029	0.00048	0.021457	774	0.281661	-22.26	1.0	2.19	3.03
06-21-Hf-C36	0.281595	0.000024	0.00056	0.026709	774	0.281587	-24.89	0.8	2.30	3.19
06-21-Hf-C38	0.28177	0.000025	0.00045	0.020744	774	0.281763	-18.63	0.9	2.05	2.81
06-21-Hf-C40	0.281743	0.00003	0.00041	0.019054	774	0.281737	-19.56	1.1	2.09	2.87
06-21-Hf-C41	0.281685	0.000036	0.00085	0.040874	774	0.281673	-21.85	1.3	2.19	3.01
06-21-Hf-C43	0.281621	0.000028	0.00071	0.032684	774	0.281611	-24.04	1.0	2.27	3.14
06-21-Hf-C44	0.281848	0.000028	0.00060	0.028724	774	0.281839	-15.94	1.0	1.95	2.65

Table DR2. Hf-isotopic data for zircons of the charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT

Spot No.	$^{176}Hf/^{177}Hf$	2s	$^{176}Lu/^{177}Hf$	$^{176}Yb/^{177}Hf$	U/Pb AGE	$^{176}Hf/^{177}Hf$ (i)	eHf	2s	T_{DM} (Ga)	T^{C}_{DM} (Ga)
06-21-Hf-C45	0.28171	0.000031	0.00037	0.017114	774	0.281705	-20.71	1.1	2.13	2.94
06-21-Hf-C47	0.28173	0.000036	0.00034	0.015353	774	0.281725	-19.99	1.3	2.10	2.90
					TNT-99-44					
TNT-99-44-Hf-23	0.281616	0.000026	0.00064	0.028807	782	0.281607	-24.00	0.9	2.27	3.15
TNT-99-44-Hf-25	0.281607	0.000026	0.00052	0.022460	782	0.281599	-24.26	0.9	2.28	3.16
TNT-99-44-Hf-26	0.281638	0.000029	0.00025	0.010912	782	0.281634	-23.02	1.0	2.22	3.09
TNT-99-44-Hf-31	0.281652	0.00003	0.00040	0.018029	782	0.281646	-22.61	1.1	2.21	3.06
TNT-99-44-Hf-32	0.281688	0.000029	0.00047	0.021493	782	0.281681	-21.37	1.0	2.16	2.99
TNT-99-44-Hf-33	0.281617	0.000023	0.00073	0.034123	782	0.281606	-24.02	0.8	2.28	3.15
TNT-99-44-Hf-34	0.281635	0.000026	0.00058	0.027074	782	0.281627	-23.30	0.9	2.24	3.10
TNT-99-44-Hf-35	0.281642	0.000033	0.00041	0.018597	782	0.281636	-22.97	1.2	2.22	3.08
TNT-99-44-Hf-37	0.281688	0.00003	0.00060	0.028115	782	0.281679	-21.43	1.1	2.17	2.99
TNT-99-44-Hf-38	0.281556	0.000026	0.00071	0.032731	782	0.281546	-26.17	0.9	2.36	3.28
TNT-99-44-Hf-39	0.281683	0.000026	0.00074	0.034196	782	0.281672	-21.68	0.9	2.19	3.01
TNT-99-44-Hf-40	0.281661	0.00002	0.00039	0.016649	782	0.281655	-22.28	0.7	2.20	3.04
TNT-99-44-Hf-41	0.281581	0.000019	0.00068	0.031794	782	0.281571	-25.27	0.7	2.32	3.22
TNT-99-44-Hf-42	0.281589	0.000027	0.00040	0.018002	782	0.281583	-24.84	0.9	2.29	3.20
TNT-99-44-Hf-43	0.281644	0.000019	0.00039	0.017333	782	0.281638	-22.88	0.7	2.22	3.08

Table DR3. Zircon Chondrite normalized REE data for charnockite orthogneisses from the Neoproterozoic Madurai, Trivandrum and Nagercoil blocks of the SGT

						TNT-05-85								
Spot#	**La**	**Ce**	**Pr**	**Nd**	**Sm**	**Eu**	**Gd**	**Tb**	**Dy**	**Ho**	**Er**	**Tm**	**Yb**	**Lu**
							TNT-05-85							
C03	0.30	18.96	1.23	2.49	14.26	9.34	46	65	108	162	246	341	499	618
C04		28.96	0.56	1.47	13.24	10.94	45	70	126	199	327	456	696	909
C09	0.86	15.42	1.54	2.54	11.62	11.01	48	86	155	269	451	636	977	1291
C11	8.76	95.73	19.73	26.83	77.97	52.93	188	297	461	690	1074	1540	2294	3026
C14	1.50	31.79	2.81	3.74	12.91	9.08	40	73	125	208	357	532	832	1114
C15	4.69	28.79	6.47	8.42	32.43	26.02	93	128	201	288	404	511	710	813
C16	8.76	40.28	17.72	18.05	45.54	23.84	88	138	215	306	477	707	1119	1444
C20	0.51	65.86	2.40	7.92	48.45	21.72	183	307	498	764	1196	1635	2332	2843
C23	22.28	151.21	68.53	78.75	204.93	106.39	365	622	929	1293	1912	2465	3410	3921
C24	0.58	92.76	1.90	6.13	42.30	13.77	134	232	405	668	1064	1430	1998	2458
C25	11.52	46.69	29.74	31.31	58.45	31.31	100	172	265	380	602	851	1312	1733
C29	0.17	31.11	0.34	1.12	7.84	6.61	29	53	91	160	266	395	606	804
C32	0.05	24.08	0.28	1.53	9.53	9.54	38	64	105	166	263	372	562	698
C37	0.48	38.40	4.08	8.75	41.55	20.82	126	196	313	472	718	909	1209	1465
C38	0.97	15.09	0.56	1.05	6.89	7.30	25	54	102	181	319	511	833	1176
C42	3.12	35.60	5.65	6.56	20.95	12.77	57	99	173	256	414	574	840	1041
C47	0.10	50.69	1.37	2.60	19.12	7.00	72	119	205	318	489	640	885	1059
C48	1.55	27.85	2.95	3.06	9.59	9.11	35	64	111		328	517	863	1179
C53	1.00	29.66	2.26	6.11	42.16	28.28	134	210	308	436	620	763	992	1149
C09-2	1.30	24.03	3.05	3.89	10.68	6.06	26	54	105	184	357	614	1087	1513
C11-2	0.78	17.50	1.49	1.04	3.75	4.67	18	31	62	112	219	370	639	887
C15-2	1.11	29.12	1.83	3.57	14.59	11.74	58	91	142	223	350	468	668	810
C20-2	0.20	21.92	0.63	2.07	10.88	7.03	38	59	98	148	232	329	488	625
C25-2	29.54	110.07	82.65	85.16	153.04	72.65	203	308	448	624	964	1373	2076	2698
C32-2	0.13	28.01	0.15	1.12	7.09	7.50	34	58	108	182	317	473	760	1002
R04		30.44	0.24	0.55	8.24	6.36	29	52	94	162	286	456	743	1009
R29	0.02	31.08	0.41	0.81	6.49	5.49	22	47	82	139	243	381	629	862
R37	0.04	22.09	0.17	0.55	4.07	4.33	17	34	62	110	191	293	480	652
R38	0.29	28.78	0.97	1.64	8.31	6.59	25	50	77	132	225	336	513	696
							TNT-05-14							
C1	0.72	14.76	2.79	8.47	44.46	16.86	185	311	512	806	1186	1505	1924	2136
C2	2.01	10.82	1.99	4.66	23.11	8.49	80	141	242	402	640	832	1118	1323
C3	0.78	6.49	0.54	0.99	5.57	2.20	44	118	292	640	1264	1845	2693	3357
C4	0.93	14.26	3.73	9.02	52.36	17.03	189	307	504	769	1129	1392	1803	1959
C6	0.43	9.38	1.01	1.07	6.09	5.19	24	36	68	123	204	283	417	510
C8	0.07	5.51	0.35	0.75	3.51	4.56	17	33	60	101	172	243	378	481
C11	0.06	9.36	0.83	2.54	19.66	8.15	79	139	239	374	566	716	952	1073
C12	0.02	10.75	0.52	2.02	19.12	7.25	81	142	240	390	618	823	1063	1246
C20	0.08	4.83	0.88	1.49	7.68	3.78	28	48	88	141	231	302	412	529
C21	0.09	7.00	0.81	0.82	4.59	3.84	19	43	75	124	204	290	395	498
C24	0.23	7.05	0.77	1.30	7.20	3.29	27	69	157	350	673	990	1423	1789
C27	0.26	9.61	0.83	2.63	18.65	6.45	82	141	243	394	621	809	1071	1273
C1 -2	0.33	8.60	0.54	1.98	12.30	5.22	45	88	162	264	424	566	763	900
C3-2	0.92	4.58	0.68	0.79	1.75	5.31	15	25	49	75	136	175	254	329
C6-2	0.31	7.80	0.42	1.34	10.22	3.85	25	46	84	147	242	338	484	617
C7-2	1.92	17.47	3.71	8.38	46.42	18.10	218	383	660	1048	1601	2017	2604	2914
C9-2	0.03	11.01	0.50	2.59	19.46	6.68	85	140	238	374	578	743	960	1099
C26-2	0.35	4.19	0.12	0.53	3.74	3.13	16	31	62	111	199	305	475	634
							TNT-06-74							
C1	2.78	18.71	9.81	12.39	30.20	8.70	61	110	177	279	467	690	1017	1296
C2	0.40	26.56	26.62	1.93	10.41	4.26	46	92	161	288	467	696	962	1307
C4	0.51	15.56	2.37	3.22	9.05	5.68	30	57	105	186	310	493	689	981
C5	7.51	39.27	30.93	35.91	72.57	23.09	124	177	257	375	501	774	938	1290
C6	47.00	92.15	58.19	63.26	109.32	33.39	245	434	653	1150	1622	2566	2955	4237
C7	208.31	137.60	72.84	56.32	105.27	33.93	323	546	809	1379	1804	2712	2883	4145
C10	0.05	34.29	3.34	14.95	67.36	26.47	268	483	675	1212	1518	2389	2329	3622
C11	2.24	48.87	4.63	10.57	29.46	5.86	82	156	217	451	597	1095	1042	1963
C12	15.44	50.57	7.33	13.11	27.97	10.30	68	190	262	564	731	1408	1282	2704
C13	74.30	59.62	31.57	31.77	137.16	29.31	439	875	994	1995	2101	3920	2874	5284
C15	1.14	29.67	4.31	6.85	37.64	13.32	100	252	288	673	762	1684	1342	3005
C16	18.10	66.04	41.49	49.76	139.73	38.01	337	763	791	1890	1820	4286	2721	6279
C17	171.65	161.99	110.56	87.51	60.81	16.52	159	340	336	866	822	2033	1193	3011
C1-2	0.41	4.32	2.91	2.71	8.18	4.26	23	46	88	168	308	501	796	1293
C2-2	0.08	44.27	1.02	2.17	15.07	4.44	53	109	181	329	493	743	965	1258
C5-2	4.43	55.32	6.14	10.90	25.68	5.51	58	155	215	415	615	831	1104	1620
C6-2	2.70	36.17	7.33		44.12		36	37	148	168	313	520	786	722
C7-2	620.55	514.67	471.12	382.56	218.51	27.00	191	258	321	557	760	1326	1436	2309
C10-2	0.15	46.39	0.86	2.58	19.46	3.91	64	137	206	407	553	947	948	1565
C11-2	0.97	33.15	4.53	14.27	74.39	18.47	242	453	573	1125	1358	2416	2140	3789
C12-2		14.78	0.97	3.85	23.45	12.26	84	176	229	466	570	1130	1003	2015
C15-2	27.81	74.78	23.38	25.25	71.55	22.91	190	415	440	987	972	2026	1366	3004
C17-2	8.44	79.31	20.47	24.57	93.99	42.45	219	607	531	1444	1285	3593	1961	5406
R4	0.06	44.62	0.80	2.54	18.38	3.91	67	129	220	393	592	898	1115	1486

TNT-06-50														
C5	7.57	13.85	15.69	20.35	37.23	19.31	46	83	161	252	405	597	827	972
C-09	0.86	13.85	7.11	8.03	16.76	13.71	32	58	108	206	366	597	947	1280
C09-2	2.88	35.46	23.44	38.29	60.41	58.79	81	123	200	332	530	745	1050	1310
C10	2.71	10.38	8.55	10.98	26.96	30.48	88	138	203	305	464	618	841	991
C12	10.56	15.45	11.54	10.88	24.53	8.06	82	131	178	258	356	464	613	723
C12-2	0.94	14.06	8.08	14.46	39.86	34.48	122	188	288	437	637	814	1053	1204
C13	0.51	2.84	2.67	4.22	12.64	7.64	52	119	264	495	934	1422	2146	2680
C13-2	4.96	24.16	25.24	39.58	77.64	51.33	82	98	156	258	454	679	1057	1323
C19	1.82	56.93	15.17	26.98	65.74	53.46	106	160	279	448	768	1152	1715	2098
C22	8.91	16.72	24.89	26.32	46.15	67.50	78	136	259	442	828	1447	2454	3165
C23	0.13	2.46	1.11	2.18	8.39	8.61	32	58	113	205	332	507	764	1026
C24	0.49	11.14	3.17	4.75	16.28	13.25	55	98	172	273	449	623	924	1181
C25	3.89	22.89	19.17	26.54	49.12	71.94	44	60	105	180	331	511	827	1133
C26	20.68	56.92	87.82	124.49	210.81	228.60	195	366	587	602	812	1289	2005	1939
C27	0.00	5.40	0.00	0.66	4.13	7.12	28	56	106	191	341	519	801	1124
C28	12.83	33.47	45.80	64.07	102.50	160.92	134	194	373	742	1492	2549	4201	5465
C29	88.44	102.17	92.46	88.71	71.15	34.56	80	113	208	336	571	785	1123	1405
C30	0.46	4.06	2.45	4.22	20.14	11.19	69	101	142	186	292	418	610	724
R11	0.17	2.10	1.15	1.90	12.97	5.97	59	62	52	41	32	25	30	29
R20	0.11	1.29	0.72	1.13	7.66	3.87	33	69	106	117	123	123	136	126
TNT-06-101														
C1	1.17	16.02	2.89	2.87	13.78	6.00	39	73	124	200	332	475	702	884
C2	3.59	21.27	9.99	12.95	27.03	25.08	59	123	237	402	751	1262	2101	2578
C3	0.40	5.91	0.98	1.21	3.37	1.67	17	40	84	156	291	447	666	828
C4	0.36	14.37	3.22	1.74	9.59	1.62	27	41	67	97	161	211	314	390
C12	90.13	147.96	105.39	92.71	64.93	179.40	128	234	447	776	1308	1850	2602	3000
C13	0.97	210.08	13.36	36.96	170.27	126.47	486	690	1005	1400	1900	2334	2959	3243
C14	3.11	14.71	3.39	7.07	22.84	9.98	91	170	274	447	691	942	1285	1583
C18	0.47	15.51	1.35	2.56	19.32	4.19	103	210	393	677	1154	1697	2475	2997
C19	12.28	47.75	30.93	40.28	81.62	37.83	155	229	355	560	905	1289	1913	2325
C25	4.00	49.35	11.76	15.54	45.34	30.20	136	226	380	579	925	1252	1719	1988
C26	10.93	27.11	17.10	15.84	18.58	34.46	45	89	181	321	590	954	1541	1926
C28	1.14	23.41	1.94	6.21	29.46	11.49	75	104	150	217	320	411	561	660
C29	39.45	92.69	89.12	92.12	83.85	111.90	93	125	231	419	854	1874	4409	6091
C32	1.54	13.38	3.69	4.99	13.92	10.16	47	98	179	313	548	793	1166	1428
C33	4.30	9.04	4.87	3.96	17.84	3.91	77	146	214	319	463	614	841	1041
C2-33	0.38	8.53	2.11	3.13	21.42	4.65	92	147	216	320	491	670	1037	1161
C38	5.12	20.75	9.80	10.96	27.50	17.16	93	199	401	727	1339	2183	3564	4332
C12-2	1.02	12.94	1.73	2.67	11.08	2.54	30	53	78	115	176	235	324	387
C13-2	0.10	14.70	0.77	2.21	7.77	1.99	27	45	69	97	151	197	279	339
C25-2	1.48	15.19	2.88	4.09	11.15	8.88	34	60	97	161	251	363	543	700
C26-2	0.54	15.73	2.02	3.24	9.12	5.45	29	43	68	110	162	221	316	391
C33-2	0.12	13.77	0.56	1.95	9.86	3.34	33	50	77	116	180	242	344	425
C38-2	9.92	17.39	1.72	2.84	8.18	2.08	26	43	75	121	204	295	467	609
R3	0.01	9.97	0.53	2.06	8.45	1.10	28	40	62	92	136	185	250	308
R18	0.53	18.14	1.85	2.71	12.91	3.37	33	51	84	130	203	270	382	472
R28	0.52	17.00	1.21	2.10	11.49	3.80	40	65	95	144	219	287	391	467
R29	0.16	13.05	1.35	2.56	8.58	3.82	26	42	63	96	144	194	276	319
R32	0.26	14.31	0.81	2.45	9.86	1.49	29	47	71	105	165	213	300	360