eTable 1 supplementary material: U-Th-Pb isotopic data for zircon from the Lesser and Greater Himalayan rocks in central and eastern Bhutan.

Sample	grain	percent	$^{207}Pb/^{235}U$	± 2σ	$^{206}Pb/^{238}U$	± 2σ	Error	$^{238}U/^{206}Pb$	± 2σ	$^{207}Pb/^{206}Pb$	± 2σ	Error	^{207}Pb	± 2σ	$^{206}Pb/^{238}U$	± 2σ	$^{207}Pb/^{235}U$	± 2σ	$^{207}Pb/^{206}Pb$	± 2σ	Approx.	Approx.	Th/
	core (c), mantle (m), rim (r)	concordance[1]		abs.		abs.	Corr.		abs.		abs.	Corr.	Corr. Age	abs.	Age (Ma)	abs.	Age (Ma)	abs.	Age (Ma)	abs.	U (ppm)	Th (ppm)	U
BU12-172c: Jaishidanda schist (UTM: 323403.9, 3055704.5)																							
BU12-172c_01	g1c	3.8	4.331	0.064	0.289	0.005	0.98	3.5	0.1	0.109	0.002	-0.36	1616.0	29.1	1634.0	28.2	1698.8	19.2	1781.8	36.7	904	649	0.7
BU12-172c_04	g2r	6.8	3.293	0.078	0.238	0.006	0.99	4.2	0.1	0.100	0.002	-0.03	1355.9	34.8	1378.0	34.0	1478.0	22.5	1629.5	37.9	892	487	0.5
BU12-172c_06	g3c	0.5	2.516	0.032	0.218	0.004	0.90	4.6	0.1	0.084	0.002	0.03	1267.9	21.1	1269.3	20.9	1276.2	14.0	1295.3	39.4	477	310	0.7
BU12-172c_09	g4r	1.9	0.017	0.000	0.003	0.000	0.43	378.2	6.5	0.047	0.001	-0.03	17.0	0.3	17.0	0.3	17.4	0.3	70.4	57.1	3923	34	0.0
BU12-172c_10	g5r	2.3	0.021	0.000	0.003	0.000	0.41	311.5	5.5	0.047	0.001	0.29	20.6	0.4	20.7	0.4	21.2	0.4	70.4	57.1	5910	48	0.0
BU12-172c_12	g6c	1.1	3.908	0.049	0.281	0.005	0.96	3.6	0.1	0.101	0.002	-0.28	1594.0	25.9	1598.1	25.6	1615.8	17.2	1636.7	37.4	786	749	1.0
BU12-172c_13	g7c	-0.1	2.007	0.031	0.190	0.003	0.82	5.3	0.1	0.077	0.002	0.02	1119.0	20.0	1119.0	19.5	1117.6	13.6	1113.4	42.5	300	398	1.3
BU12-172c_15	g8r	3.4	0.018	0.000	0.003	0.000	0.59	375.5	7.4	0.048	0.002	-0.07	17.1	0.3	17.1	0.3	17.8	0.5	114.0	79.1	3831	26	0.0
BU12-172c_18	g9r	14.8	6.650	0.120	0.313	0.006	0.91	3.2	0.1	0.153	0.003	0.05	1645.7	33.5	1760.0	34.4	2065.0	24.9	2384.0	35.7	187	49	0.3
BU12-172c_20	g10c	12.2	2.785	0.050	0.203	0.004	0.89	4.9	0.1	0.099	0.002	-0.01	1158.7	22.6	1188.0	22.7	1353.0	17.4	1611.0	39.2	304	128	0.4
BU12-172c_23	g11c	4.3	3.954	0.053	0.273	0.005	0.94	3.7	0.1	0.105	0.002	0.01	1536.5	26.6	1554.0	26.2	1624.2	17.9	1714.3	37.2	398	172	0.4
BU12-172c_28	g12c	1.3	2.720	0.036	0.227	0.004	0.97	4.4	0.1	0.087	0.002	0.03	1313.4	22.4	1316.3	22.1	1333.4	14.7	1359.6	38.7	1188	107	0.1
BU12-172c_29	g12r	3.6	2.172	0.031	0.192	0.003	0.96	5.2	0.1	0.082	0.002	-0.07	1124.6	20.0	1131.0	19.7	1173.0	13.9	1242.7	39.7	2253	62	0.0
BU12-172c_30	g13r	10.3	3.111	0.060	0.221	0.005	0.98	4.5	0.1	0.102	0.002	-0.09	1256.7	27.4	1287.0	27.1	1435.0	19.4	1661.2	37.6	737	232	0.3
BU12-172c_31	g13r	4.9	3.939	0.101	0.270	0.007	0.99	3.7	0.1	0.106	0.002	0.15	1520.3	40.7	1541.0	38.7	1620.0	25.0	1734.7	37.1	770	56	0.1
BU12-172c_35	g14r	1.2	2.720	0.040	0.227	0.004	0.94	4.4	0.1	0.087	0.002	-0.06	1315.1	23.6	1318.0	23.1	1334.3	15.5	1358.9	39.2	471	571	1.2
BU12-172c_37	g15r	5.9	0.018	0.001	0.003	0.000	0.39	382.0	7.0	0.049	0.001	-0.03	16.8	0.3	16.9	0.3	17.9	0.5	147.8	70.5	2423	9	0.0
BU12-172c_38	g15c	-0.8	3.649	0.056	0.276	0.005	0.87	3.6	0.1	0.095	0.002	0.11	1576.3	28.7	1572.0	27.9	1559.8	18.1	1534.4	39.5	195	90	0.5
BU12-172c_40	g16c	2.2	4.355	0.070	0.295	0.006	0.98	3.4	0.1	0.107	0.002	-0.24	1656.3	31.9	1666.0	30.8	1703.0	19.7	1745.3	36.9	730	457	0.6
BU12-172c_44	g17r	3.8	4.247	0.091	0.286	0.007	0.99	3.5	0.1	0.108	0.002	-0.43	1604.7	37.1	1621.0	35.6	1685.0	23.9	1758.3	36.8	2562	668	0.3
BU12-172c_52	g18r	5.0	1.807	0.046	0.167	0.004	0.99	6.0	0.2	0.078	0.002	-0.15	987.4	24.5	995.0	24.2	1047.0	18.3	1155.0	40.7	1172	170	0.1
BU12-172c_56	g19c	4.2	3.679	0.073	0.262	0.006	0.99	3.8	0.1	0.102	0.002	0.04	1486.5	32.7	1502.0	31.5	1568.0	20.4	1651.9	37.4	573	41	0.1
BU12-178c: Schist (UTM: 323891.0, 3059810.2)																							
BU12-178c_01a	g1c	-0.2	1.672	0.044	0.168	0.004	0.79	6.0	0.2	0.072	0.002	0.01	1000.1	26.0	999.6	25.8	997.6	5.7	984.5	52.5	468	184	0.4
BU12-178c_02a	g1r	-0.4	1.689	0.047	0.169	0.005	0.81	5.9	0.2	0.072	0.002	0.04	1007.8	27.3	1009.0	27.1	1005.5	8.2	993.6	52.7	297	46	0.2
BU12-178c_03a	g2m	-0.4	1.510	0.040	0.157	0.004	0.69	6.4	0.2	0.070	0.002	0.09	938.7	24.3	937.6	24.2	934.3	5.6	918.1	52.8	353	638	1.8
BU12-178c_04a	g3c	-0.9	1.687	0.047	0.170	0.004	0.56	5.9	0.2	0.072	0.002	-0.11	1013.3	26.6	1011.8	26.4	1003.2	8.1	985.4	53.9	163	85	0.5
BU12-178c_05a	g6c	-0.6	4.441	0.123	0.308	0.008	0.91	3.2	0.1	0.104	0.003	-0.27	1733.7	46.8	1730.0	45.8	1720.0	10.0	1697.2	48.6	204	337	1.6
BU12-178c_01b	g7r	-0.2	2.755	0.049	0.232	0.004	0.94	4.3	0.1	0.086	0.002	0.17	1346.4	22.1	1346.0	20.9	1343.0	11.0	1341.6	39.6	522	116	0.2
BU12-178c_02b	g7c	0.8	2.739	0.058	0.229	0.005	0.96	4.4	0.1	0.087	0.002	0.05	1325.2	27.1	1328.0	25.7	1338.0	14.0	1366.7	39.6	387	113	0.3
BU12-178c_03b	g7r	1.4	2.745	0.056	0.228	0.005	0.96	4.4	0.1	0.088	0.002	-0.06	1317.3	26.6	1321.0	25.7	1340.0	13.0	1374.2	39.8	386	60	0.2
BU12-178c_05b	g8r	0.7	1.932	0.037	0.183	0.003	0.92	5.5	0.1	0.077	0.002	0.29	1084.2	18.4	1086.0	17.7	1094.0	10.0	1111.1	42.1	458	74	0.2
BU12-178c_06b	g9r	0.6	3.880	0.082	0.282	0.005	0.96	3.5	0.1	0.100	0.002	0.05	1598.6	30.3	1601.0	28.0	1611.0	14.0	1630.6	38.3	240	166	0.7
BU12-178c_07b	g10c	-0.7	2.931	0.075	0.242	0.005	0.89	4.1	0.1	0.087	0.002	-0.10	1401.3	29.0	1399.0	27.8	1389.0	18.0	1366.9	42.8	191	75	0.4
BU12-178c_08b	g10c	0.2	2.837	0.059	0.235	0.005	0.97	4.3	0.1	0.088	0.002	-0.22	1360.0	26.8	1361.0	25.0	1364.0	14.0	1375.9	39.1	496	113	0.2
BU12-178c_09b	g11c	0.3	3.879	0.073	0.283	0.005	0.94	3.5	0.1	0.100	0.002	-0.19	1602.3	28.9	1604.0	27.2	1608.0	13.0	1623.0	38.4	256	231	0.9
BU12-178c_10b	g12c	1.1	1.511	0.033	0.155	0.003	0.82	6.5	0.1	0.071	0.002	0.08	925.5	16.7	926.0	16.0	936.0	12.0	956.8	45.7	187	307	1.6
BU12-178c_11b	g13r	1.9	3.836	0.075	0.276	0.005	0.99	3.6	0.1	0.101	0.002	0.08	1564.6	30.5	1572.0	27.9	1603.0	14.0	1645.0	37.4	764	480	0.6
BU12-178c_13b	g14c	2.6	#####	0.298	0.448	0.013	0.99	2.2	0.1	0.165	0.003	0.02	2340.5	74.2	2384.0	59.0	2448.0	26.0	2509.3	34.3	385	96	0.2
BU12-178c_15b	g15r	1.3	2.795	0.049	0.230	0.004	0.91	4.3	0.1	0.088	0.002	-0.10	1331.7	22.0	1335.0	20.8	1353.0	11.0	1384.9	39.8	354	26	0.1
BU12-178c_16b	g15r	0.9	2.840	0.047	0.234	0.004	0.93	4.3	0.1	0.088	0.002	-0.04	1352.2	22.5	1354.0	21.0	1365.6	9.8	1388.4	39.6	385	42	0.1
BU12-178c_17b	g16m	0.4	4.009	0.084	0.288	0.006	0.93	3.5	0.1	0.102	0.002	0.22	1626.0	35.8	1629.0	33.3	1635.0	15.0	1654.3	39.3	217	178	0.8
BU12-178c_18b	g17c	0.5	2.839	0.050	0.235	0.004	0.94	4.3	0.1	0.088	0.002	0.17	1356.0	23.5	1358.0	22.5	1365.0	11.0	1390.3	39.3	320	52	0.2
BU12-178c_19b	g18m	0.4	1.682	0.033	0.167	0.003	0.96	6.0	0.1	0.073	0.002	0.21	996.9	18.5	997.0	18.0	1001.0	11.0	1005.0	42.2	863	138	0.2
BU12-178c_20b	g19c	1.0	3.351	0.069	0.258	0.005	0.94	3.9	0.1	0.094	0.002	-0.03	1473.7	28.7	1477.0	27.3	1492.0	14.0	1511.7	39.6	186	252	1.4
BU12-178c_21b	g19r	1.1	2.738	0.055	0.228	0.004	0.95	4.4	0.1	0.087	0.002	-0.01	1321.6	24.7	1324.0	24.0	1338.0	13.0	1362.0	39.9	387	165	0.4
BU12-178c_22b	g20c	1.5	2.374	0.059	0.208	0.005	0.96	4.8	0.1	0.083	0.002	-0.03	1212.6	27.7	1215.0	26.9	1234.0	16.0	1259.3	40.3	455	91	0.2

BU12-178c_23b	g21m	1.0	2.696	0.046	0.226	0.004	0.85	4.4	0.1	0.086	0.002	-0.28	1311.5	23.3	1314.0	22.3	1327.0	10.0	1347.1	41.8	189	67	0.4
BU12-178c_24b	g22r	-0.4	4.012	0.096	0.289	0.007	0.96	3.5	0.1	0.101	0.002	0.24	1634.6	39.9	1641.0	35.1	1635.0	18.0	1642.9	39.1	155	128	0.8
BU12-178c_26b	g23r	1.0	1.604	0.031	0.161	0.003	0.91	6.2	0.1	0.072	0.002	-0.04	959.8	17.4	961.0	17.0	971.0	10.0	994.1	42.3	410	111	0.3
BU12-178c_28b	g24r	-0.7	1.514	0.029	0.158	0.003	0.77	6.3	0.1	0.070	0.002	-0.18	944.9	16.9	944.0	16.1	937.3	9.7	921.0	47.5	137	302	2.2
BU12-178c_30b	g25r	0.9	4.411	0.066	0.302	0.004	0.96	3.3	0.0	0.106	0.002	0.13	1694.8	24.2	1699.0	22.7	1714.0	9.1	1732.4	37.1	541	404	0.7
BU12-178c_31b	g26m	0.5	4.436	0.104	0.304	0.006	0.93	3.3	0.1	0.106	0.002	-0.06	1706.7	36.2	1709.0	32.8	1717.0	18.0	1731.7	39.6	106	69	0.6
BU12-178c_32b	g26c	0.9	4.559	0.107	0.307	0.007	0.99	3.3	0.1	0.107	0.002	0.09	1720.6	40.2	1724.0	36.3	1740.0	18.0	1756.4	37.0	738	507	0.7
BU12-178c_33b	g27m	-0.1	4.441	0.092	0.306	0.006	0.96	3.3	0.1	0.105	0.002	0.06	1721.2	35.8	1720.0	32.9	1719.0	15.0	1715.2	37.9	300	250	0.8
BU12-178c_39b	g28r	-0.1	4.055	0.056	0.291	0.004	0.97	3.4	0.0	0.101	0.002	0.00	1647.6	22.8	1646.0	21.6	1645.0	7.6	1637.8	37.4	762	354	0.5
BU12-178c_40b	g29m	-0.3	2.950	0.047	0.243	0.004	0.91	4.1	0.1	0.089	0.002	-0.06	1400.2	20.7	1400.0	19.8	1395.8	9.4	1393.8	39.3	457	310	0.7
BU12-178c_42b	g30m	-0.3	2.596	0.043	0.225	0.004	0.85	4.5	0.1	0.084	0.002	0.23	1305.9	21.0	1306.0	19.9	1302.0	10.0	1301.8	40.9	154	232	1.5
BU12-178c_47b	g31r	0.9	2.859	0.052	0.235	0.004	0.95	4.3	0.1	0.088	0.002	0.09	1356.4	25.3	1359.0	24.2	1371.0	11.0	1391.8	39.6	257	113	0.4
BU12-178c_49b	g32r	0.5	2.051	0.050	0.191	0.004	0.83	5.2	0.1	0.078	0.002	0.01	1124.1	24.5	1125.0	22.9	1131.0	16.0	1144.3	48.7	109	137	1.3
BU12-178c_50b	g32m	1.0	2.110	0.049	0.193	0.004	0.78	5.2	0.1	0.079	0.002	0.02	1138.5	20.6	1140.0	19.6	1151.0	15.0	1162.1	48.4	77	54	0.7
BU12-178c_51b	g33r	1.4	4.334	0.077	0.297	0.005	0.98	3.4	0.1	0.105	0.002	-0.13	1670.5	29.7	1676.0	27.7	1699.0	12.0	1722.4	37.2	497	89	0.2
BU12-178c_52b	g34m	2.6	2.035	0.046	0.186	0.003	0.80	5.4	0.1	0.079	0.002	-0.05	1093.4	18.9	1097.0	18.6	1126.0	14.0	1172.4	44.4	124	147	1.2
BU12-178c_54b	g35r	1.5	1.348	0.026	0.141	0.002	0.89	7.1	0.1	0.069	0.001	-0.14	851.2	13.5	853.0	13.1	866.3	9.5	890.6	44.4	542	416	0.8
BU12-178c_55b	g35c	-0.2	1.531	0.024	0.158	0.002	0.83	6.3	0.1	0.070	0.001	0.25	947.0	14.1	945.9	13.6	943.7	7.0	927.2	43.1	362	542	1.5
BU12-178c_56b	g36c	-1.2	2.733	0.045	0.234	0.004	0.93	4.3	0.1	0.085	0.002	-0.04	1356.6	22.2	1353.0	21.0	1337.1	9.8	1311.9	39.9	378	297	0.8
BU12-178c_57b	g37r	-0.8	1.498	0.027	0.157	0.002	0.87	6.4	0.1	0.070	0.001	-0.03	937.6	14.5	937.0	13.7	929.4	9.1	928.9	43.8	293	484	1.7
BU12-178c_58b	g37c	0.4	1.489	0.027	0.154	0.003	0.96	6.5	0.1	0.070	0.001	0.09	923.1	16.2	923.0	15.9	927.1	9.2	928.4	41.9	914	1619	1.8
BU12-178c_59b	g38r	1.7	2.908	0.042	0.235	0.003	0.98	4.3	0.1	0.090	0.002	0.12	1355.0	19.1	1360.0	18.1	1383.6	7.8	1422.8	38.5	1728	1203	0.7
BU12-178c_60b	g38r	2.3	2.941	0.043	0.235	0.003	0.95	4.3	0.1	0.090	0.002	0.04	1354.8	18.7	1361.0	18.1	1392.3	8.0	1431.5	38.7	946	544	0.6
BU12-182: Kyanite metapelite (UTM: 320786.2, 3062299.9)																							
BU12-182_01	g1m	-0.3	1.907	0.055	0.184	0.005	0.69	5.4	0.1	0.075	0.002	-0.03	1089.9	29.2	1088.0	29.0	1084.6	9.6	1067.4	54.4	145	136	0.9
BU12-182_04	g2m	1.8	1.690	0.054	0.165	0.004	0.85	6.1	0.1	0.073	0.001	0.00	983.9	22.5	985.0	22.3	1003.0	19.0	1023.9	33.1	114	41	0.4
BU12-182_06	g3c	0.8	4.505	0.108	0.305	0.007	0.97	3.3	0.1	0.107	0.001	-0.08	1713.0	39.7	1717.0	36.3	1730.0	18.0	1750.8	21.0	179	68	0.4
BU12-182_08	g4c	1.2	4.439	0.071	0.301	0.005	0.93	3.3	0.1	0.107	0.001	0.31	1688.5	28.5	1698.0	27.0	1719.0	10.0	1741.9	20.8	141	130	0.9
BU12-182_09	g5r	0.2	3.377	0.071	0.261	0.004	0.65	3.8	0.1	0.094	0.001	-0.15	1494.4	23.0	1495.0	21.9	1498.0	14.0	1500.9	26.2	149	132	0.9
BU12-182_11	g6m	-0.4	4.496	0.087	0.309	0.005	0.94	3.2	0.1	0.105	0.001	-0.10	1738.9	29.3	1736.0	27.2	1729.0	14.0	1717.1	21.8	165	69	0.4
BU12-182_12	g6c	1.5	4.508	0.083	0.304	0.005	0.91	3.3	0.1	0.107	0.001	0.10	1705.0	29.5	1710.0	27.1	1736.0	13.0	1752.5	21.7	145	58	0.4
BU12-182_14	g7c	1.0	3.822	0.067	0.278	0.004	0.95	3.6	0.1	0.099	0.001	-0.07	1578.7	24.7	1582.0	23.2	1598.0	12.0	1614.4	20.7	246	139	0.6
BU12-182_16	g8c	-0.2	2.777	0.058	0.233	0.005	0.82	4.3	0.1	0.087	0.001	0.26	1351.0	26.3	1351.0	25.0	1348.0	14.0	1354.5	28.1	67	39	0.6
BU12-182_17	g9r	0.3	3.934	0.074	0.285	0.005	0.76	3.5	0.1	0.100	0.001	-0.27	1613.1	27.2	1615.0	25.7	1620.0	13.0	1631.3	21.3	230	258	1.1
BU12-182_18	g10r	0.0	1.510	0.025	0.156	0.003	0.92	6.4	0.1	0.071	0.001	0.30	933.2	15.3	934.0	15.2	934.0	8.1	953.1	23.8	315	213	0.7
BU12-182_19	g10c	0.7	1.466	0.025	0.152	0.003	0.84	6.6	0.1	0.070	0.001	0.10	910.2	14.8	911.0	14.3	917.5	7.9	933.6	26.4	312	290	0.9
BU12-182_20	g11r	0.6	4.410	0.084	0.302	0.006	0.97	3.3	0.1	0.106	0.001	-0.13	1699.5	31.3	1702.0	28.6	1713.0	13.0	1727.0	19.5	343	162	0.5
BU12-182_23	g12m	-0.3	2.819	0.066	0.236	0.006	0.96	4.2	0.1	0.087	0.001	0.14	1365.1	32.9	1364.0	31.1	1360.0	16.0	1353.8	23.6	350	202	0.6
BU12-182_31	g13r	0.8	4.472	0.081	0.304	0.005	0.96	3.3	0.1	0.106	0.001	-0.19	1709.1	28.2	1711.0	26.3	1725.0	13.0	1730.2	19.6	213	118	0.6
BU12-182_32	g14m	0.9	4.384	0.078	0.300	0.005	0.95	3.3	0.1	0.105	0.001	-0.02	1690.0	27.6	1693.0	25.4	1709.0	12.0	1714.3	20.5	232	116	0.5
BU12-182_33	g15c	0.6	4.440	0.084	0.304	0.005	0.86	3.3	0.1	0.105	0.001	0.03	1707.8	30.0	1709.0	27.9	1719.0	13.0	1719.4	23.2	84	51	0.6
BU12-182_36	g16r	-0.1	4.545	0.090	0.310	0.006	0.97	3.2	0.1	0.106	0.001	0.07	1738.7	32.5	1739.0	29.6	1738.0	14.0	1739.2	20.2	422	633	1.5
BU12-182_39	g17r	-0.3	4.129	0.074	0.295	0.005	0.94	3.4	0.1	0.102	0.001	0.04	1665.9	28.9	1664.0	26.8	1659.0	12.0	1652.6	20.5	260	171	0.7
BU12-182_41	g18c	0.9	#####	0.192	0.491	0.008	0.98	2.0	0.0	0.176	0.002	0.00	2556.8	47.0	2576.0	37.3	2599.0	12.0	2615.4	17.0	344	141	0.4
BU12-182_44	g19m	0.9	4.363	0.093	0.300	0.006	0.93	3.3	0.1	0.106	0.001	-0.22	1685.1	32.2	1689.0	29.3	1704.0	16.0	1725.5	22.6	92	51	0.6
BU12-182_45	g20r	-0.4	2.208	0.043	0.203	0.004	0.88	4.9	0.1	0.079	0.001	-0.03	1191.2	22.3	1190.0	21.6	1185.0	12.0	1175.6	26.1	196	71	0.4
BU12-182_46	g20c	0.6	2.109	0.041	0.195	0.003	0.80	5.1	0.1	0.079	0.001	0.03	1147.0	19.7	1149.0	18.9	1156.0	11.0	1181.6	26.7	74	26	0.4
BU12-182_48	g21c	1.1	1.521	0.035	0.155	0.003	0.85	6.5	0.1	0.071	0.001	-0.10	926.9	17.7	928.0	17.6	938.0	13.0	964.6	27.4	192	341	1.8
BU12-182_49	g22r	-0.3	3.937	0.089	0.287	0.006	0.97	3.5	0.1	0.100	0.001	-0.04	1625.4	34.3	1625.0	31.5	1620.0	16.0	1626.7	20.4	399	431	1.1
BU12-182_50	g23c	1.1	4.348	0.069	0.299	0.005	0.94	3.3	0.1	0.106	0.001	-0.01	1678.8	25.8	1684.0	23.9	1703.0	10.0	1727.2	19.6	311	268	0.9
BU12-182_54	g24m	0.3	2.330	0.049	0.208	0.004	0.83	4.8	0.1	0.081	0.001	-0.06	1216.3	21.4	1217.0	20.1	1221.0	13.0	1229.4	27.4	151	81	0.5
BU12-182_55	g25r	0.5	4.371	0.089	0.302	0.006	0.94	3.3	0.1	0.106	0.001	-0.06	1695.0	33.2	1698.0	30.2	1706.0	15.0	1726.7	20.9	190	140	0.7

BU12-182_57	g26r	1.3	4.662	0.079	0.310	0.005	0.98	3.2	0.1	0.110	0.001	-0.09	1731.8	28.3	1739.0	26.5	1762.0	11.0	1795.4	18.7	843	464	0.6
BU12-182_62	g27c	0.7	1.556	0.029	0.158	0.003	0.95	6.3	0.1	0.071	0.001	-0.14	945.2	16.3	946.0	16.1	952.6	9.4	970.3	23.0	640	769	1.2
BU12-190a: Foliation-parallel leucosome (UTM: 320786.2, 3062299.9)																								
BU12-190a_01a	g1c	0.0	4.000	0.078	0.289	0.005	0.86	3.5	0.1	0.100	0.002	0.10	1635.2	29.8	1634.0	28.7	1634.0	19.2	1629.3	30.7	152	65	0.4
BU12-190a_03a	g2c	-0.9	1.640	0.034	0.167	0.003	0.74	6.0	0.1	0.071	0.001	0.06	995.0	18.6	994.0	18.0	985.2	13.6	969.5	35.9	101	107	1.1
BU12-190a_04a	g3c	1.2	2.851	0.059	0.233	0.005	0.95	4.3	0.1	0.088	0.001	0.01	1350.2	26.4	1352.0	25.8	1369.0	17.0	1378.1	30.5	451	53	0.1
BU12-190a_05a	g4c	-0.3	2.903	0.071	0.241	0.005	0.94	4.2	0.1	0.087	0.001	-0.29	1391.0	28.8	1389.0	27.5	1385.0	19.7	*1369.3*	32.4	173	225	1.3
BU12-190a_06a	g5c	0.2	2.896	0.060	0.238	0.005	0.83	4.2	0.1	0.087	0.002	0.28	1378.3	27.5	1377.0	26.8	1380.0	17.6	1366.0	33.6	115	71	0.6
BU12-190a_02b	g7r	4.2	1.466	0.033	0.146	0.003	0.95	6.9	0.2	0.073	0.001	-0.11	872.9	19.0	877.6	19.1	916.2	15.0	1008.1	41.0	1070	72	0.1
BU12-190a_03b	g7r	4.4	1.434	0.032	0.143	0.003	0.88	7.0	0.2	0.073	0.001	0.14	857.3	18.5	862.9	18.5	902.9	14.7	1007.0	41.4	791	76	0.1
BU12-190a_06b	g8r	2.5	4.386	0.099	0.295	0.007	0.97	3.4	0.1	0.107	0.002	0.26	1655.1	37.3	1666.0	36.5	1709.3	27.0	1754.4	36.9	853	577	0.7
BU12-190a_07b	g8r	0.4	4.758	0.105	0.316	0.007	0.87	3.2	0.1	0.108	0.002	-0.02	1770.1	38.5	1770.0	37.7	1777.3	27.8	1766.5	37.4	444	373	0.8
BU12-190a_08b	g9r	2.2	2.831	0.068	0.230	0.005	0.93	4.3	0.1	0.089	0.002	-0.16	1328.2	30.6	1334.0	30.1	1363.5	22.7	1406.7	39.5	643	121	0.2
BU12-190a_09b	g10c	1.2	1.736	0.040	0.170	0.004	0.73	5.9	0.1	0.074	0.002	0.23	1008.1	22.4	1009.5	22.2	1021.5	17.1	1047.7	43.6	235	133	0.6
BU12-190a_10b	g10c	1.4	1.733	0.041	0.169	0.004	0.78	5.9	0.1	0.074	0.002	0.00	1004.6	22.1	1006.4	22.0	1020.5	17.2	1049.6	42.7	188	102	0.5
BU12-190a_12b	g11m	3.8	3.926	0.091	0.273	0.006	0.90	3.7	0.1	0.105	0.002	0.07	1539.4	34.8	1557.0	34.6	1618.7	26.0	1713.3	37.9	269	250	0.9
BU12-190a_13b	g12c	-0.5	1.988	0.056	0.189	0.005	0.83	5.3	0.1	0.076	0.002	0.07	1117.3	28.9	1116.0	28.1	1111.0	21.1	1102.7	45.9	193	96	0.5
BU12-190a_17b	g13r	0.8	4.276	0.100	0.297	0.007	0.94	3.4	0.1	0.105	0.002	0.28	1670.0	40.5	1675.0	39.5	1689.0	27.2	1713.1	38.2	491	207	0.4
BU12-190a_18b	g14c	1.2	3.125	0.073	0.247	0.006	0.97	4.1	0.1	0.092	0.002	0.12	1418.8	32.4	1422.0	32.2	1438.5	23.5	1463.7	38.4	900	194	0.2
BU12-190a_19b	g15r	1.4	2.084	0.047	0.191	0.004	0.98	5.2	0.1	0.079	0.002	0.19	1124.7	25.0	1128.0	24.7	1144.1	18.5	1183.9	39.7	2610	1157	0.4
BU12-190a_20b	g16m	2.7	2.576	0.061	0.216	0.005	0.90	4.6	0.1	0.086	0.002	0.17	1252.1	30.2	1258.0	29.8	1293.5	21.5	1342.0	40.3	325	236	0.7
BU12-190a_22b	g17r	5.4	1.504	0.035	0.147	0.003	0.84	6.8	0.1	0.075	0.002	-0.14	875.0	19.1	881.8	19.0	931.9	15.5	1058.0	42.0	1038	50	0.0
BU12-190a_24b	g18r	-0.2	1.982	0.050	0.188	0.004	0.81	5.3	0.1	0.076	0.002	0.03	1108.8	25.2	1111.0	25.3	1109.0	19.4	1100.3	43.9	230	19	0.1
BU12-190a_26b	g18r	4.6	2.936	0.088	0.228	0.005	0.81	4.4	0.1	0.092	0.002	-0.40	1315.0	31.0	1326.0	30.5	1390.0	26.9	1465.3	47.8	112	19	0.2
BU12-190a_27b	g19m	2.5	1.602	0.041	0.158	0.004	0.96	6.3	0.1	0.073	0.001	-0.40	945.3	22.2	948.0	21.9	972.3	17.5	1007.8	41.6	1209	24	0.0
BU12-190a_28b	g19m	0.8	1.608	0.038	0.161	0.004	0.92	6.2	0.1	0.072	0.001	-0.12	963.1	22.8	965.0	22.7	973.1	16.7	998.3	41.6	800	210	0.3
BU12-190a_29b	g19m	0.8	1.631	0.037	0.163	0.004	0.93	6.1	0.1	0.073	0.001	-0.09	973.1	21.8	974.2	21.6	981.9	16.3	1006.2	41.7	923	379	0.4
BU12-190a_30b	g20r	3.2	3.617	0.089	0.263	0.006	0.89	3.8	0.1	0.100	0.002	0.25	1491.5	36.0	1503.0	35.0	1552.0	25.7	1621.9	39.3	148	103	0.7
BU12-190a_32b	g21r	2.6	3.534	0.082	0.261	0.006	0.89	3.8	0.1	0.098	0.002	-0.19	1485.8	33.9	1495.0	33.5	1534.6	24.8	1591.0	38.9	379	175	0.5
BU12-190a_33b	g22r	2.2	3.743	0.084	0.271	0.006	0.90	3.7	0.1	0.100	0.002	0.11	1537.1	34.0	1546.0	33.5	1580.4	25.1	1626.7	38.1	326	195	0.6
BU12-190a_34b	g23c	1.8	6.846	0.150	0.376	0.008	0.91	2.7	0.1	0.132	0.003	0.23	2040.9	45.4	2057.0	44.5	2094.3	32.6	2129.4	35.8	234	109	0.5
BU12-190a_36b	g24c	0.9	1.880	0.044	0.179	0.004	0.95	5.6	0.1	0.076	0.002	0.19	1061.9	25.3	1064.0	24.9	1073.5	18.1	1099.5	40.8	739	564	0.8
BU12-190a_37b	g24r	-0.9	1.972	0.049	0.190	0.005	0.88	5.3	0.1	0.076	0.002	0.02	1120.8	26.9	1119.0	26.4	1108.7	19.1	1090.3	41.9	381	318	0.8
BU12-190a_38b	g25r	-0.1	1.712	0.039	0.170	0.004	0.94	5.9	0.1	0.073	0.001	0.08	1014.3	23.9	1014.0	23.6	1012.8	16.8	1015.6	41.4	694	52	0.1
BU12-190a_39b	g26c	2.9	1.507	0.033	0.151	0.003	0.94	6.6	0.1	0.073	0.001	0.21	902.0	19.8	906.2	19.8	933.1	15.1	1005.6	41.1	1866	1083	0.6
BU12-190a_40b	g27c	0.5	4.526	0.111	0.308	0.007	0.93	3.2	0.1	0.107	0.002	-0.04	1727.7	41.8	1729.0	40.5	1737.0	28.7	1741.7	37.8	186	115	0.6
BU12-190a_41b	g28c	0.9	4.562	0.117	0.306	0.008	0.97	3.3	0.1	0.107	0.002	0.02	1719.2	43.6	1727.0	42.6	1742.0	29.2	1750.5	37.2	401	372	0.9
BU12-190a_42b	g29c	-0.1	2.124	0.051	0.197	0.005	0.96	5.1	0.1	0.078	0.002	0.03	1157.1	26.6	1157.0	26.5	1156.3	19.6	1155.3	40.5	812	593	0.7
BU12-190a_43b	g30c	-1.1	4.199	0.093	0.300	0.007	0.92	3.3	0.1	0.101	0.002	0.27	1694.9	38.4	1691.0	37.4	1673.4	26.3	1641.1	38.0	278	194	0.7
BU12-190a_44b	g31r	0.6	1.594	0.042	0.161	0.004	0.88	6.2	0.2	0.072	0.002	-0.06	960.3	23.4	961.0	23.2	967.0	17.6	982.5	44.0	316	215	0.7
BU12-190a_45b	g31c	0.2	1.599	0.036	0.162	0.004	0.86	6.2	0.1	0.072	0.002	0.07	967.1	21.2	967.8	21.1	969.8	15.9	986.5	42.9	289	205	0.7
BU12-190a_46b	g32c	1.9	1.602	0.036	0.159	0.004	0.75	6.3	0.1	0.073	0.002	0.05	949.7	20.9	952.4	20.7	970.9	15.9	1014.0	42.7	298	81	0.3
BU12-190a_47b	g33r	2.6	2.793	0.064	0.227	0.005	0.97	4.4	0.1	0.089	0.002	-0.04	1313.5	29.5	1319.0	29.4	1354.8	21.8	1401.4	38.7	884	13	0.0
BU12-190a_49b	g34r	0.4	2.523	0.058	0.218	0.005	0.88	4.6	0.1	0.083	0.002	0.17	1273.0	29.7	1273.0	29.1	1278.3	20.9	1279.3	40.4	391	456	1.2
BU12-190a_50b	g34c	-0.3	2.598	0.060	0.224	0.005	0.84	4.5	0.1	0.084	0.002	0.07	1306.7	29.2	1305.0	28.7	1301.0	21.2	1283.5	41.2	189	155	0.8
BU12-190a_56b	g35c	0.3	2.958	0.073	0.241	0.006	0.98	4.1	0.1	0.088	0.002	0.07	1392.6	33.5	1392.0	32.6	1396.0	23.7	1390.8	38.9	1194	785	0.7
BU12-190a_58b	g35c	2.1	2.830	0.062	0.230	0.005	0.98	4.3	0.1	0.088	0.002	-0.06	1332.3	29.4	1336.0	29.3	1364.5	21.7	1391.4	38.5	2157	2310	1.1
BU12-190a_61b	g36m	0.2	4.011	0.094	0.288	0.007	0.98	3.5	0.1	0.100	0.002	-0.12	1633.6	37.8	1633.0	36.8	1636.0	26.5	1628.5	37.4	933	546	0.6
BU12-190a_62b	g37c	0.6	4.531	0.108	0.307	0.007	0.95	3.3	0.1	0.106	0.002	0.19	1725.1	40.3	1726.0	38.9	1736.0	28.3	1735.7	37.4	262	143	0.5
BU12-190a_63b	g37c	1.0	4.454	0.104	0.303	0.007	0.96	3.3	0.1	0.106	0.002	0.04	1699.7	40.1	1704.0	39.0	1721.8	27.6	1737.6	37.1	374	239	0.6
BU12-190b: Paragneiss (UTM: 320786.2, 3062299.9)																								
BU12-190b_01	g1c	0.5	2.035	0.041	0.190	0.004	0.96	5.3	0.1	0.078	0.001	-0.17	1120.5	20.7	1121.0	20.7	1127.0	14.4	1137.7	30.8	1357	936	0.7

BU12-190b_02	g1r	2.9	1.907	0.033	0.178	0.003	0.95	5.6	0.1	0.078	0.001	0.02	1048.7	17.9	1053.2	17.8	1084.5	12.3	1143.3	30.3	1764	1524	0.9
BU12-190b_03	g2c	-0.4	2.080	0.036	0.195	0.003	0.89	5.1	0.1	0.078	0.001	-0.03	1146.5	19.0	1146.2	18.8	1141.9	12.9	1142.0	30.9	632	271	0.4
BU12-190b_04	g3c	0.6	2.500	0.043	0.217	0.004	0.85	4.6	0.1	0.084	0.001	0.06	1263.8	21.3	1265.2	21.1	1273.0	14.4	1289.3	30.7	317	219	0.7
BU12-190b_05	g4c	0.1	4.518	0.082	0.308	0.006	0.89	3.2	0.1	0.106	0.002	0.15	1732.9	31.3	1733.0	30.0	1735.5	19.2	1732.4	28.8	281	133	0.5
BU12-190b_07	g5c	1.7	1.568	0.028	0.157	0.003	0.85	6.4	0.1	0.072	0.001	0.00	939.8	16.3	941.5	16.2	957.3	11.3	988.2	32.0	392	124	0.3
BU12-190b_08	g6c	2.9	1.913	0.034	0.178	0.003	0.96	5.6	0.1	0.078	0.001	-0.15	1049.5	18.2	1054.3	18.0	1085.4	12.8	1150.4	30.2	1110	30	0.0
BU12-190b_09	g7c	-0.5	4.381	0.081	0.305	0.005	0.86	3.3	0.1	0.104	0.002	-0.10	1717.3	29.4	1717.0	28.4	1708.4	19.2	1698.1	29.1	294	93	0.3
BU12-190b_10	g8m	2.4	2.905	0.050	0.233	0.004	0.82	4.3	0.1	0.090	0.001	0.17	1344.4	22.1	1350.5	21.9	1383.0	15.2	1428.5	29.9	290	303	1.0
BU12-190b_11	g9c	1.8	2.353	0.047	0.206	0.004	0.96	4.9	0.1	0.082	0.001	0.01	1204.4	23.3	1208.0	22.9	1229.6	15.6	1255.0	30.1	770	76	0.1
BU12-190b_12	g10m	3.6	1.921	0.034	0.177	0.003	0.91	5.7	0.1	0.079	0.001	-0.03	1042.9	18.1	1049.1	18.0	1088.2	12.6	1167.1	30.6	763	69	0.1
BU12-190b_14	g11r	1.6	1.608	0.029	0.160	0.003	0.84	6.2	0.1	0.073	0.001	0.06	956.3	17.1	958.2	16.9	973.3	11.6	1007.8	32.2	961	58	0.1
BU12-190b_17	g12r	1.6	3.812	0.067	0.276	0.005	0.98	3.6	0.1	0.100	0.002	0.05	1562.5	27.6	1569.0	26.9	1595.0	17.5	1629.3	28.1	1770	1134	0.6
BU12-190b_18	g13r	1.7	4.420	0.080	0.299	0.005	0.97	3.3	0.1	0.107	0.002	0.17	1678.9	30.5	1687.0	29.9	1715.8	19.1	1751.3	27.9	1051	890	0.8
BU12-190b_19	g13c	1.0	4.473	0.088	0.303	0.006	0.97	3.3	0.1	0.107	0.002	-0.19	1701.4	31.8	1707.0	30.7	1725.0	20.5	1745.9	28.2	626	95	0.2
BU12-190b_20	g13c	2.5	4.363	0.075	0.294	0.005	0.96	3.4	0.1	0.107	0.002	0.15	1650.1	28.1	1662.0	27.7	1705.1	18.5	1750.6	27.9	880	87	0.1
BU12-190b_21	g14r	2.3	1.464	0.027	0.149	0.003	0.90	6.7	0.1	0.071	0.001	-0.05	891.3	16.0	894.4	15.8	915.2	11.3	969.2	32.2	1096	265	0.2
BU12-190b_22	g15c	3.0	1.745	0.038	0.167	0.003	0.82	6.0	0.1	0.076	0.001	0.08	989.5	18.1	994.0	18.0	1025.0	14.3	1088.2	35.4	231	115	0.5
BU12-190b_24	g16c	0.5	1.609	0.036	0.162	0.003	0.82	6.2	0.1	0.072	0.001	-0.09	968.1	18.2	968.0	18.2	973.0	14.0	976.9	35.0	247	51	0.2
BU12-190b_26	g17c	1.0	3.925	0.073	0.282	0.005	0.87	3.5	0.1	0.100	0.002	0.05	1599.4	30.0	1602.0	28.9	1618.5	18.4	1628.7	30.0	180	116	0.6
BU12-190b_27	g18c	1.7	3.016	0.053	0.240	0.004	0.97	4.2	0.1	0.091	0.001	0.05	1382.1	23.9	1389.0	23.1	1412.6	15.8	1447.7	28.9	885	473	0.5
BU12-190b_28	g19c	0.9	4.365	0.086	0.300	0.006	0.90	3.3	0.1	0.105	0.002	-0.10	1686.1	32.0	1690.0	30.5	1705.0	20.3	1722.4	29.2	232	126	0.5
BU12-190b_29	g20c	2.7	3.048	0.058	0.239	0.004	0.98	4.2	0.1	0.093	0.001	-0.11	1370.3	25.5	1381.0	25.0	1419.3	16.7	1479.7	28.7	2071	2154	1.0
BU12-190b_31	g21c	-0.1	1.985	0.041	0.188	0.004	0.88	5.3	0.1	0.076	0.001	0.03	1111.5	20.9	1111.0	20.5	1109.9	14.5	1104.0	33.3	229	45	0.2
BU12-190b_32	g22r	2.8	2.613	0.045	0.217	0.004	0.97	4.6	0.1	0.087	0.001	-0.22	1261.5	21.2	1268.3	21.1	1304.1	14.6	1360.3	29.2	1489	190	0.1
BU12-190b_33	g22c	3.4	2.141	0.039	0.190	0.003	0.95	5.3	0.1	0.082	0.001	0.19	1116.0	19.6	1122.6	19.4	1162.0	13.6	1234.0	30.1	1313	33	0.0
BU12-190b_34	g22r	3.8	2.158	0.043	0.190	0.004	0.81	5.3	0.1	0.082	0.001	0.00	1115.8	21.6	1123.0	21.3	1167.3	14.8	1246.5	29.8	2091	104	0.0
BU12-190b_35	g23c	-0.2	1.590	0.034	0.162	0.003	0.92	6.2	0.1	0.071	0.001	0.16	967.8	19.7	968.0	19.5	965.7	13.6	970.6	33.0	535	840	1.6
BU12-190b_36	g24c	0.3	1.994	0.038	0.188	0.003	0.79	5.3	0.1	0.077	0.001	0.27	1110.5	19.9	1110.0	19.4	1113.1	13.8	1111.1	33.2	223	176	0.8
BU12-190b_37	g25c	1.7	3.775	0.079	0.274	0.005	0.89	3.6	0.1	0.099	0.002	-0.42	1556.0	30.1	1562.0	28.9	1589.0	19.3	1612.1	29.7	238	116	0.5
BU12-190b_38	g26c	0.6	3.253	0.061	0.254	0.005	0.51	3.9	0.1	0.092	0.001	-0.23	1459.2	26.0	1460.0	25.5	1469.3	17.1	1475.6	30.7	202	148	0.7
BU12-190b_39	g27r	1.0	1.998	0.040	0.187	0.003	0.89	5.4	0.1	0.077	0.001	-0.29	1101.4	19.8	1103.0	19.3	1114.5	14.2	1130.7	32.5	306	62	0.2
BU12-190b_40	g28c	0.7	2.177	0.041	0.198	0.004	0.83	5.0	0.1	0.080	0.001	-0.05	1164.3	20.6	1165.0	20.1	1173.4	14.0	1187.6	31.3	437	255	0.6
BU12-190b_41	g29c	1.3	2.750	0.050	0.229	0.004	0.96	4.4	0.1	0.087	0.001	0.01	1323.3	24.0	1326.0	23.8	1342.9	15.4	1369.8	29.4	847	114	0.1
BU12-190b_42	g30c	1.3	1.777	0.032	0.172	0.003	0.88	5.8	0.1	0.075	0.001	0.05	1020.9	17.3	1023.1	17.2	1036.9	12.2	1070.1	31.4	389	92	0.2
BU12-193a: Sillimanite metapelite (UTM: 316691, 3068628.9)																							
BU12-193a_01a	g1r	15.3	0.019	0.001	0.002	0.000	0.36	405.2	9.8	0.056	0.003	-0.08	15.7	0.4	15.9	0.4	18.8	1.0	440.4	113.0	1857	18	0.0
BU12-193a_02a	g1c	13.1	2.844	0.068	0.202	0.005	0.95	4.9	0.1	0.102	0.002	-0.23	1153.3	26.7	1188.0	27.1	1366.8	29.0	1669.0	37.7	2123	1358	0.6
BU12-193a_07a	g2r	2.1	1.447	0.032	0.148	0.003	0.95	6.8	0.1	0.072	0.001	0.11	886.0	19.3	889.9	19.3	908.9	19.0	971.7	41.2	1474	936	0.6
BU12-193a_08a	g2c	2.1	1.389	0.031	0.144	0.003	0.92	7.0	0.2	0.071	0.001	0.15	863.1	19.1	866.0	19.0	884.6	18.7	947.9	41.5	1183	951	0.8
BU12-193a_09a	g3r	1.1	1.170	0.026	0.128	0.003	0.91	7.8	0.2	0.067	0.001	-0.09	776.4	17.3	778.1	17.2	786.5	16.8	835.9	42.6	937	1290	1.4
BU12-193a_11a	g4r	3.0	0.824	0.020	0.097	0.002	0.86	10.4	0.2	0.063	0.001	0.08	591.5	14.2	594.0	14.1	612.2	13.8	703.8	44.6	1196	63	0.1
BU12-193a_12a	g5c	8.3	2.669	0.100	0.206	0.007	0.90	4.8	0.2	0.096	0.002	-0.04	1186.0	39.3	1209.0	38.5	1319.0	35.0	1540.5	42.3	627	409	0.7
BU12-193a_13a	g6c	3.2	0.524	0.013	0.066	0.002	0.79	15.1	0.3	0.058	0.001	-0.13	412.6	9.3	414.3	9.3	427.9	9.7	542.9	46.7	2100	34	0.0
BU12-193a_14a	g7r	3.1	0.537	0.013	0.068	0.002	0.90	14.8	0.3	0.058	0.001	-0.29	420.9	9.7	422.5	9.7	436.2	10.1	539.9	46.4	2823	45	0.0
BU12-193a_15a	g8c	-1.5	1.552	0.033	0.162	0.003	0.92	6.2	0.1	0.071	0.001	0.11	965.7	20.5	965.8	20.3	951.3	19.6	952.2	41.3	3868	6026	1.6
BU12-193a_16a	g9r	10.8	0.017	0.001	0.002	0.000	0.59	421.4	10.6	0.053	0.003	-0.36	15.2	0.4	15.3	0.4	17.1	0.9	307.3	121.7	2791	68	0.0
BU12-193a_22a	g10r	-1.3	0.712	0.017	0.090	0.002	0.84	11.2	0.3	0.058	0.001	0.02	553.3	12.6	552.9	12.7	545.9	12.1	548.2	46.7	1610	25	0.0
BU12-193a_23a	g10c	3.0	0.492	0.012	0.063	0.001	0.87	15.8	0.4	0.058	0.001	0.14	392.8	8.9	394.5	8.9	406.6	9.3	531.3	46.1	1914	22	0.0
BU12-193a_24a	g11m	2.1	0.593	0.013	0.074	0.002	0.91	13.4	0.3	0.058	0.001	0.00	461.2	10.1	462.5	10.1	472.5	10.3	545.6	44.9	2476	30	0.0
BU12-193a_25a	g12c	2.1	3.383	0.074	0.256	0.006	0.86	3.9	0.1	0.097	0.002	0.27	1457.2	31.6	1468.0	31.7	1499.8	30.7	1565.1	38.3	489	524	1.1
BU12-193a_26a	g13c	5.3	0.830	0.020	0.094	0.002	0.81	10.6	0.2	0.064	0.001	0.00	577.5	13.3	581.0	13.2	613.5	13.9	742.0	45.1	2892	278	0.1
BU12-193a_27a	g13r	8.9	1.506	0.035	0.141	0.003	0.84	7.1	0.2	0.079	0.002	0.09	838.0	18.9	850.0	19.1	932.5	20.0	1166.9	41.3	2963	516	0.2

BU12-193a_28a	g14r	2.2	0.522	0.013	0.067	0.002	0.90	14.9	0.4	0.058	0.001	0.03	416.8	10.2	418.0	10.2	427.5	10.2	515.0	46.6	1740	6	0.0
BU12-193a_29a	g15c	0.1	4.279	0.111	0.299	0.007	0.95	3.3	0.1	0.105	0.002	-0.19	1684.8	42.1	1687.0	40.8	1688.0	36.5	1706.6	38.1	459	1833	4.0
BU12-193a_31a	g15r	2.3	0.689	0.015	0.084	0.002	0.84	11.9	0.3	0.060	0.001	0.23	518.4	11.3	519.8	11.3	532.0	11.3	600.7	44.5	2061	32	0.0
BU12-193a_32a	g16c	36.7	0.025	0.002	0.002	0.000	0.53	410.3	11.3	0.074	0.006	-0.30	15.1	0.4	15.7	0.4	24.8	2.1	1027.8	156.6	2727	45	0.0
BU12-193a_33a	g17m	11.2	0.416	0.012	0.050	0.001	0.88	20.0	0.6	0.061	0.001	0.09	311.3	8.7	314.4	8.8	354.0	9.5	622.2	48.5	1687	27	0.0
BU12-193a_35a	g18m	36.5	0.026	0.002	0.003	0.000	0.24	382.3	11.1	0.074	0.005	0.11	16.3	0.5	16.8	0.5	26.5	2.0	1036.0	147.9	1030	15	0.0
BU12-193a_36a	g19r	6.9	0.605	0.015	0.072	0.002	0.89	13.9	0.3	0.062	0.001	-0.06	443.9	10.6	447.1	10.6	480.4	11.3	656.8	45.8	1960	44	0.0
BU12-193a_37a	g20c	4.4	0.655	0.016	0.079	0.002	0.85	12.7	0.3	0.060	0.001	-0.08	487.1	11.5	488.7	11.5	511.2	11.9	604.3	45.4	2461	31	0.0
BU12-193a_39a	g21r	5.3	1.670	0.039	0.158	0.004	0.94	6.3	0.1	0.077	0.002	-0.05	936.7	21.1	944.0	21.0	997.2	21.3	1111.1	40.5	1547	206	0.1
BU12-193a_40a	g21c	11.7	1.770	0.045	0.153	0.004	0.96	6.6	0.2	0.085	0.002	0.15	897.3	22.6	915.0	22.4	1036.0	23.0	1308.9	39.7	2190	544	0.2
BU12-193a_41a	g22c	13.5	1.789	0.047	0.150	0.004	0.96	6.7	0.2	0.086	0.002	-0.39	881.8	21.4	901.0	21.6	1041.0	23.5	1345.6	39.9	2941	1116	0.4
BU12-193a_42a	g22r	15.9	0.858	0.023	0.086	0.002	0.95	11.7	0.3	0.073	0.002	0.28	519.0	14.5	528.8	14.5	628.4	15.3	1009.0	42.6	1483	135	0.1
BU12-193a_43a	g22c	2.6	1.449	0.035	0.147	0.004	0.96	6.8	0.2	0.071	0.001	-0.01	881.7	21.1	885.0	20.8	909.0	19.9	962.6	41.5	2038	480	0.2
BU12-193a_47a	g23c	3.3	0.544	0.013	0.068	0.002	0.89	14.6	0.3	0.058	0.001	0.10	425.0	9.7	426.1	9.7	440.6	9.8	511.9	45.6	2083	15	0.0
BU12-193a_48a	g23r	7.3	0.016	0.001	0.002	0.000	0.37	442.7	12.0	0.049	0.003	-0.09	14.5	0.4	14.6	0.4	15.7	0.9	157.4	123.4	2103	39	0.0
BU12-193a_01b	g24r	6.1	1.136	0.026	0.119	0.003	0.92	8.4	0.2	0.069	0.001	-0.06	719.2	15.8	724.3	15.7	771.7	16.4	897.5	42.9	1172	62	0.1
BU12-193a_02b	g24c	3.4	2.613	0.063	0.216	0.005	0.94	4.6	0.1	0.088	0.002	-0.15	1252.7	29.0	1261.0	28.8	1305.0	28.0	1380.5	39.6	529	111	0.2
BU12-193a_05b	g25c	1.8	1.630	0.038	0.161	0.004	0.87	6.2	0.1	0.073	0.002	-0.03	960.9	21.9	963.2	21.6	981.2	21.1	1022.5	41.9	407	248	0.6
BU12-195a: Foliation-parallel leucosome (UTM: 317223.7, 3068528.5)																							
BU12-195a_06	g1m	1.4	0.583	0.013	0.074	0.002	0.95	13.5	0.3	0.057	0.001	-0.08	459.1	10.0	459.6	9.9	465.9	10.0	495.4	44.6	3239	36	0.0
BU12-195a_07	g2c	0.9	1.242	0.030	0.134	0.003	0.80	7.4	0.2	0.067	0.001	0.03	811.1	18.2	812.4	18.1	819.7	18.0	851.4	44.7	240	69	0.3
BU12-195a_08	g2c	-0.3	1.287	0.030	0.140	0.003	0.86	7.2	0.2	0.067	0.001	0.11	842.1	19.6	842.1	19.4	839.8	18.3	851.7	44.2	241	63	0.3
BU12-195a_10	g3r	2.6	0.013	0.000	0.002	0.000	0.59	496.5	11.0	0.048	0.001	0.13	13.0	0.3	13.0	0.3	13.3	0.3	74.4	55.7	5088	23	0.0
BU12-195a_11	g3r	2.5	0.013	0.000	0.002	0.000	0.45	505.1	11.8	0.047	0.001	0.17	12.7	0.3	12.8	0.3	13.1	0.4	72.4	61.2	5060	21	0.0
BU12-195a_13	g4c	-0.6	1.266	0.027	0.138	0.003	0.95	7.2	0.2	0.067	0.001	0.02	835.4	18.1	835.6	17.9	830.7	17.2	840.9	42.0	753	152	0.2
BU12-195a_14	g4c	0.0	1.244	0.027	0.136	0.003	0.90	7.4	0.2	0.067	0.001	0.06	820.5	17.3	820.9	17.3	820.6	16.9	834.7	42.2	578	91	0.2
BU12-195a_16	g5r	-0.7	1.231	0.028	0.135	0.003	0.97	7.4	0.2	0.067	0.001	-0.05	818.2	18.6	820.1	18.4	814.6	17.5	830.3	42.0	1366	333	0.2
BU12-195a_17	g6r	-0.9	0.014	0.000	0.002	0.000	0.39	463.4	9.9	0.046	0.001	0.03	13.9	0.3	13.9	0.3	13.8	0.4	14.3	60.6	2059	7	0.0
BU12-195a_18	g7r	1.4	0.013	0.000	0.002	0.000	0.55	494.3	10.5	0.047	0.001	0.13	13.0	0.3	13.0	0.3	13.2	0.3	72.4	52.2	5670	43	0.0
BU12-195a_19	g8c	-1.0	1.259	0.027	0.138	0.003	0.74	7.2	0.2	0.066	0.001	0.13	836.0	17.6	835.5	17.6	827.1	17.1	821.8	43.3	143	90	0.6
BU12-195a_20	g9c	-0.4	1.245	0.030	0.136	0.003	0.93	7.3	0.2	0.067	0.001	-0.18	823.9	18.7	823.9	18.6	820.9	18.1	834.0	42.9	450	510	1.1
BU12-195a_21	g9c	-0.3	1.259	0.027	0.138	0.003	0.90	7.3	0.2	0.067	0.001	0.03	830.3	17.6	830.7	17.6	828.0	17.3	836.5	42.5	503	554	1.1
BU12-195a_22	g9r	-0.8	1.256	0.028	0.138	0.003	0.92	7.3	0.2	0.067	0.001	-0.01	832.5	18.3	832.4	18.3	825.7	17.5	824.7	42.5	454	430	0.9
BU12-195a_25	g10c	-0.6	1.260	0.027	0.138	0.003	0.88	7.3	0.2	0.067	0.001	-0.08	831.4	17.6	832.4	17.7	827.7	17.3	837.8	42.4	430	288	0.7
BU12-195a_26	g10c	-1.1	1.280	0.028	0.140	0.003	0.88	7.1	0.2	0.067	0.001	-0.08	846.4	18.1	845.8	18.1	836.4	17.6	829.4	42.8	310	160	0.5
BU12-195a_27	g11c	0.0	1.242	0.027	0.136	0.003	0.88	7.4	0.2	0.067	0.001	0.01	819.8	17.4	820.0	17.4	819.7	17.1	835.9	42.4	406	278	0.7
BU12-195a_28	g11c	-0.1	1.245	0.027	0.136	0.003	0.87	7.4	0.2	0.067	0.001	0.07	821.8	17.7	821.7	17.5	820.7	17.0	829.4	42.6	345	214	0.6
BU12-195a_30	g12c	-0.5	1.281	0.030	0.139	0.003	0.91	7.2	0.2	0.067	0.001	0.26	841.4	19.6	841.3	19.5	837.0	18.0	837.8	42.8	496	165	0.3
BU12-195a_31	g12m	0.4	1.222	0.029	0.133	0.003	0.97	7.5	0.2	0.067	0.001	-0.27	805.8	18.7	806.6	18.5	810.2	17.8	832.2	42.2	1117	548	0.5
BU12-195a_32	g13r	0.6	0.016	0.000	0.002	0.000	0.64	412.0	8.9	0.047	0.001	0.00	15.6	0.3	15.6	0.3	15.7	0.4	44.7	52.8	5290	122	0.0
BU12-195a_34	g14c	1.2	0.555	0.013	0.071	0.002	0.94	14.0	0.3	0.057	0.001	-0.13	443.0	10.1	443.5	10.1	448.8	9.9	480.3	45.1	3205	15	0.0
BU12-195a_35	g15c	-0.9	1.264	0.027	0.139	0.003	0.95	7.2	0.2	0.066	0.001	0.29	837.6	18.0	836.8	17.8	829.7	17.1	810.2	42.1	1868	476	0.3
BU12-195a_36	g15r	-0.6	1.245	0.028	0.137	0.003	0.97	7.3	0.2	0.066	0.001	0.01	826.5	18.2	826.0	18.1	820.8	17.3	810.5	42.1	1720	504	0.3
BU12-195a_38	g16c	-1.3	1.256	0.027	0.139	0.003	0.97	7.2	0.2	0.066	0.001	-0.04	837.4	17.9	836.3	17.8	825.7	17.1	798.7	42.1	1770	391	0.2
BU12-195a_39	g17r	0.0	0.015	0.000	0.002	0.000	0.46	437.8	9.6	0.046	0.001	0.14	14.7	0.3	14.7	0.3	14.7	0.4	11.7	57.3	3114	37	0.0
BU12-195a_41	g17r	1.6	0.014	0.000	0.002	0.000	0.52	465.3	10.4	0.047	0.001	0.11	13.8	0.3	13.8	0.3	14.1	0.4	60.4	58.4	3199	19	0.0
BU12-195a_42	g18c	-0.3	1.250	0.027	0.137	0.003	0.94	7.3	0.2	0.066	0.001	0.13	826.4	18.0	825.8	17.7	823.4	17.2	814.3	42.2	689	222	0.3
BU12-195a_43	g18c	-1.0	1.293	0.028	0.141	0.003	0.95	7.1	0.2	0.066	0.001	-0.04	851.3	18.2	850.5	18.2	842.5	17.6	821.2	42.1	980	355	0.4
BU12-195a_44	g18c	-0.7	1.296	0.029	0.141	0.003	0.92	7.1	0.2	0.067	0.001	-0.03	848.8	19.1	849.3	18.9	843.6	18.0	825.9	42.9	913	511	0.6
BU12-195a_47	g19r	2.3	0.014	0.000	0.002	0.000	0.49	476.4	10.3	0.047	0.001	0.19	13.5	0.3	13.5	0.3	13.8	0.3	54.3	55.5	3629	20	0.0
BU12-195a_50	g20c	0.1	1.300	0.030	0.140	0.003	0.95	7.1	0.2	0.067	0.001	0.02	844.6	19.3	844.8	19.1	845.5	18.0	847.4	42.2	641	257	0.4
BU12-195a_54	g21c	4.2	1.056	0.025	0.115	0.003	0.95	8.7	0.2	0.067	0.001	-0.03	699.0	15.4	702.3	15.5	732.7	16.0	824.0	42.2	1582	262	0.2

BU12-195a_61	g22r	1.6	0.014	0.000	0.002	0.000	0.48	461.7	11.7	0.047	0.001	0.39	13.9	0.4	14.0	0.4	14.2	0.4	47.2	63.8	3080	17	0.0
BU12-195a_65	g23c	-0.1	1.305	0.028	0.141	0.003	0.96	7.1	0.2	0.067	0.001	-0.04	848.9	18.2	848.8	18.1	848.3	17.6	841.2	41.9	1380	357	0.3
BU12-195a_66	g24c	-0.6	1.296	0.028	0.141	0.003	0.96	7.1	0.2	0.067	0.001	0.08	848.6	18.4	848.7	18.2	844.0	17.6	831.5	41.9	1647	365	0.2
BU12-195a_68	g25m	-0.6	0.604	0.013	0.078	0.002	0.94	12.9	0.3	0.056	0.001	-0.10	482.9	10.5	482.6	10.5	479.8	10.2	464.6	44.6	4726	31	0.0
BU12-195a_69	g25m	-0.4	0.600	0.013	0.077	0.002	0.97	13.0	0.3	0.056	0.001	-0.01	479.1	10.2	478.8	10.2	477.1	9.9	456.7	44.5	4211	25	0.0
BU12-195a_70	g26c	0.2	1.217	0.028	0.133	0.003	0.92	7.5	0.2	0.066	0.001	-0.01	807.2	18.1	807.8	17.9	809.3	17.3	808.0	42.7	265	108	0.4
BU12-195a_71	g27c	0.0	1.250	0.027	0.136	0.003	0.93	7.3	0.2	0.067	0.001	0.11	823.1	17.9	823.1	17.8	823.3	17.2	824.4	42.3	513	158	0.3
BU12-195a_72	g27c	0.1	1.251	0.027	0.136	0.003	0.97	7.3	0.2	0.067	0.001	0.12	823.7	17.5	823.5	17.4	824.0	17.1	824.0	41.9	1754	394	0.2
BU12-200a: Foliation-parallel coarse-grained leucosome (UTM: 3160442.8, 3070867.6)																							
BU12-200a_01a	g1r	1.0	0.020	0.001	0.003	0.000	0.78	323.8	7.7	0.047	0.001	-0.65	19.9	0.3	19.9	0.5	20.1	0.5	35.5	58.0	6220	40	0.0
BU12-200a_02a	g1m	5.5	0.021	0.001	0.003	0.000	0.50	319.3	7.1	0.049	0.002	-0.42	20.1	0.3	20.2	0.5	21.3	0.8	143.0	90.0	11120	93	0.0
BU12-200a_03a	g1r	1.6	0.020	0.001	0.003	0.000	0.42	325.1	7.1	0.047	0.001	-0.20	19.8	0.3	19.8	0.4	20.1	0.5	48.2	52.7	8267	62	0.0
BU12-200a_04a	g2r	1.7	0.018	0.000	0.003	0.000	0.59	352.7	7.8	0.047	0.001	-0.53	18.2	0.3	18.3	0.4	18.6	0.4	55.8	56.5	4728	50	0.0
BU12-200a_05a	g2r	1.0	0.018	0.000	0.003	0.000	0.49	353.1	7.5	0.047	0.001	-0.34	18.2	0.2	18.2	0.4	18.4	0.4	35.5	56.4	6528	51	0.0
BU12-200a_06a	g2r	2.0	0.018	0.001	0.003	0.000	0.56	371.3	8.2	0.048	0.002	-0.45	17.3	0.2	17.3	0.4	17.7	0.7	79.4	101.6	4971	37	0.0
BU12-200a_07a	g2r	1.4	0.018	0.001	0.003	0.000	0.44	367.2	8.7	0.046	0.001	-0.33	17.5	0.3	17.5	0.4	17.8	0.9	1.8	61.2	5175	36	0.0
BU12-200a_02b	g3r	0.7	0.020	0.000	0.003	0.000	0.81	321.2	4.6	0.047	0.001	0.05	20.0	0.3	20.0	0.3	20.2	0.4	33.4	29.9	13330	135	0.0
BU12-200a_03b	g4c	0.4	0.018	0.000	0.003	0.000	0.77	348.9	6.5	0.047	0.001	0.03	18.4	0.3	18.5	0.3	18.5	0.5	54.3	37.8	9890	112	0.0
BU12-200a_04b	g4m	3.8	0.020	0.001	0.003	0.000	0.83	335.5	7.1	0.047	0.001	-0.02	19.2	0.4	19.2	0.4	20.0	0.6	70.4	37.2	6100	49	0.0
BU12-200a_05b	g5r	3.5	0.020	0.001	0.003	0.000	0.78	328.3	6.0	0.048	0.001	-0.06	19.6	0.4	19.6	0.4	20.3	0.6	95.8	41.5	5870	50	0.0
BU12-200a_06b	g5r	4.2	0.020	0.000	0.003	0.000	0.57	329.5	5.2	0.048	0.001	0.12	19.5	0.3	19.5	0.3	20.4	0.5	85.4	49.8	4633	27	0.0
BU12-200a_07b	g6r	0.6	0.019	0.001	0.003	0.000	0.76	335.5	6.0	0.047	0.001	-0.07	19.2	0.3	19.2	0.3	19.3	0.6	27.7	45.9	4930	29	0.0
BU12-200a_08b	g7r	1.0	0.013	0.000	0.002	0.000	0.44	484.0	8.7	0.047	0.001	0.02	13.3	0.2	13.3	0.2	13.4	0.5	44.1	70.4	3867	12	0.0
BU12-200a_09b	g8r	2.3	0.017	0.000	0.003	0.000	0.52	390.6	7.0	0.048	0.001	0.09	16.5	0.3	16.5	0.3	16.9	0.4	84.9	52.4	4132	31	0.0
BU12-200a_11b	g8r	1.6	0.018	0.000	0.003	0.000	0.71	361.8	6.3	0.047	0.001	0.07	17.8	0.3	17.8	0.3	18.1	0.4	46.7	38.4	9310	80	0.0
BU12-200a_12b	g9r	0.8	0.019	0.000	0.003	0.000	0.77	347.1	7.3	0.047	0.001	-0.03	18.5	0.4	18.6	0.4	18.7	0.5	53.3	45.3	7070	50	0.0
BU12-200a_14b	g10r	2.1	0.020	0.000	0.003	0.000	0.52	326.8	5.0	0.047	0.001	0.08	19.7	0.3	19.7	0.3	20.1	0.5	23.6	52.3	3359	17	0.0
BU12-200a_15b	g11r	0.5	0.019	0.000	0.003	0.000	0.70	346.1	5.5	0.047	0.001	-0.08	18.6	0.3	18.6	0.3	18.7	0.4	32.4	39.0	8990	83	0.0
BU12-200a_16b	g12m	2.5	0.018	0.000	0.003	0.000	0.67	360.9	6.2	0.047	0.001	0.05	17.8	0.3	17.8	0.3	18.3	0.5	67.9	42.0	4717	40	0.0
BU12-200a_17b	g13r	1.5	0.018	0.000	0.003	0.000	0.55	357.1	5.3	0.047	0.001	0.02	18.0	0.3	18.0	0.3	18.3	0.4	59.4	44.8	6150	48	0.0
BU12-200a_18b	g13r	0.5	0.017	0.000	0.003	0.000	0.49	369.3	5.9	0.046	0.001	0.09	17.4	0.3	17.4	0.3	17.5	36.7	18.5	52.0	6220	48	0.0
BU12-200a_19b	g13c	-0.7	0.019	0.000	0.003	0.000	0.40	343.3	5.5	0.046	0.001	0.17	18.8	0.3	18.8	0.3	18.6	0.5	1.8	51.5	4591	32	0.0
BU12-200a_20b	g14c	-0.1	0.020	0.000	0.003	0.000	0.50	327.7	4.7	0.046	0.001	-0.16	19.6	0.3	19.6	0.3	19.6	0.5	15.3	42.7	4634	26	0.0
BU12-200a_22b	g15r	1.6	0.020	0.000	0.003	0.000	0.56	328.0	5.4	0.047	0.001	-0.03	19.6	0.3	19.6	0.3	20.0	1.1	43.1	40.0	6522	41	0.0
BU12-200a_24b	g16r	1.1	0.021	0.000	0.003	0.000	0.83	315.6	6.1	0.047	0.001	0.19	20.4	0.4	20.4	0.4	20.6	1.0	55.8	33.7	8310	67	0.0
BU12-200a_25b	g17r	3.5	0.018	0.000	0.003	0.000	0.61	365.6	6.4	0.048	0.001	0.00	17.6	0.3	17.6	0.3	18.3	0.5	78.4	53.9	4540	20	0.0
BU12-200a_26b	g18r	1.9	0.017	0.001	0.003	0.000	0.62	382.8	7.5	0.047	0.001	0.03	16.8	0.3	16.8	0.3	17.1	0.5	59.4	65.1	3555	21	0.0
BU12-200a_27b	g19r	3.2	0.021	0.000	0.003	0.000	0.71	314.9	4.9	0.048	0.001	-0.07	20.4	0.3	20.4	0.3	21.1	0.6	81.4	44.7	5630	40	0.0
BU12-200a_28b	g20r	1.5	0.021	0.001	0.003	0.000	0.51	307.1	4.9	0.047	0.001	0.03	20.9	0.3	21.0	0.3	21.3	0.5	52.8	55.1	6163	57	0.0
BU12-200a_29b	g21r	1.8	0.020	0.000	0.003	0.000	0.87	318.6	6.4	0.047	0.001	0.10	20.2	0.4	20.2	0.4	20.6	0.6	53.8	34.1	8460	85	0.0
BU12-200a_30b	g22c	0.7	0.019	0.000	0.003	0.000	0.71	331.9	5.1	0.047	0.001	0.03	19.4	0.3	19.4	0.3	19.5	0.5	25.2	37.1	5151	29	0.0
BU12-200a_31b	g23r	4.8	0.021	0.001	0.003	0.000	0.63	322.8	5.1	0.049	0.001	-0.02	19.9	0.3	19.9	0.3	20.9	0.4	140.2	47.5	7427	60	0.0
BU12-200a_32b	g24r	2.0	0.021	0.000	0.003	0.000	0.68	317.6	4.7	0.048	0.001	-0.04	20.2	0.3	20.3	0.3	20.7	0.6	74.4	38.7	5349	45	0.0
BU12-200a_33b	g24r	4.6	0.021	0.000	0.003	0.000	0.82	320.3	6.3	0.049	0.001	-0.13	20.0	0.4	20.1	0.4	21.1	0.5	141.1	34.6	5750	45	0.0
BU12-200a_34b	g25c	4.4	0.018	0.000	0.003	0.000	0.63	368.1	6.1	0.049	0.001	0.01	17.4	0.3	17.5	0.3	18.3	0.5	126.2	42.1	4345	34	0.0
BU12-200a_36b	g26r	1.3	0.019	0.000	0.003	0.000	0.80	349.4	6.3	0.047	0.001	0.10	18.4	0.3	18.4	0.3	18.7	2.2	35.5	35.4	4404	33	0.0
BU12-200a_37b	g27r	3.1	0.020	0.000	0.003	0.000	0.60	324.4	4.8	0.048	0.001	-0.09	19.8	0.3	19.8	0.3	20.5	0.5	86.4	47.6	5262	37	0.0
BU12-200a_40b	g28r	2.6	0.020	0.000	0.003	0.000	0.62	323.3	5.7	0.048	0.001	0.32	19.9	0.4	19.9	0.4	20.4	0.8	91.4	46.6	5660	32	0.0
BU12-200b: Foliation-parallel fine-grained leucosome (UTM: 3160442.8, 3070867.6)																							
BU12-200b_05	g1m	2.0	0.018	0.000	0.003	0.000	0.88	359.5	8.1	0.048	0.001	-0.07	17.9	0.4	17.9	0.4	18.3	0.5	84.9	32.3	13700	140	0.0
BU12-200b_06	g2m	13.0	0.023	0.001	0.003	0.000	0.40	321.5	6.4	0.053	0.002	-0.15	19.8	0.4	20.0	0.4	23.0	1.1	341.6	92.0	5050	48	0.0
BU12-200b_07	g3c	9.7	0.023	0.001	0.003	0.000	0.65	305.5	7.2	0.052	0.001	-0.24	20.9	0.5	21.1	0.5	23.3	0.9	272.2	66.2	4617	33	0.0

BU12-200b_10	g4c	-0.4	0.021	0.000	0.003	0.000	0.81	306.3	5.3	0.047	0.001	0.03	21.0	0.4	21.0	0.4	20.9	0.5	28.3	34.8	8720	181	0.0
BU12-200b_11	g4m	-1.3	0.020	0.001	0.003	0.000	0.84	319.5	7.0	0.047	0.001	0.02	20.1	0.4	20.2	0.4	19.9	0.6	27.2	41.2	8660	90	0.0
BU12-200b_12	g5c	13.1	0.022	0.001	0.003	0.000	0.73	335.8	7.4	0.054	0.001	-0.15	19.0	0.4	19.2	0.4	22.1	0.8	375.2	58.6	9550	141	0.0
BU12-200b_15	g6m	2.4	0.018	0.000	0.003	0.000	0.75	364.0	7.3	0.048	0.001	0.31	17.7	0.4	17.7	0.4	18.1	0.5	91.9	37.6	6790	56	0.0
BU12-200b_18	g7m	3.3	0.021	0.000	0.003	0.000	0.80	318.8	6.3	0.048	0.001	-0.09	20.2	0.4	20.2	0.4	20.9	0.5	89.9	40.4	3884	31	0.0
BU12-200b_22	g8c	1.2	1.798	0.039	0.174	0.003	0.84	5.8	0.1	0.074	0.001	0.19	1031.6	19.2	1032.0	18.2	1044.0	20.4	1038.7	29.2	217	182	0.8
BU12-200b_28	g9m	6.8	0.026	0.001	0.004	0.000	0.73	261.9	5.7	0.050	0.001	-0.08	24.5	0.5	24.6	0.5	26.4	0.9	199.6	51.8	2362	40	0.0
BU12-200b_29	g9m	3.4	0.025	0.001	0.004	0.000	0.78	261.6	5.1	0.048	0.001	-0.08	24.5	0.5	24.6	0.5	25.5	0.7	121.8	46.3	3121	34	0.0
BU12-200b_32	g10c	0.4	0.763	0.016	0.093	0.002	0.92	10.7	0.2	0.060	0.001	0.02	574.1	11.7	574.3	11.4	576.6	12.0	590.5	27.2	412	1241	3.0
BU12-200b_33	g10r	5.8	0.020	0.000	0.003	0.000	0.73	335.6	6.0	0.048	0.001	-0.14	19.1	0.3	19.2	0.3	20.4	0.5	119.8	42.2	11910	236	0.0
BU12-200b_34	g11m	-0.1	0.018	0.000	0.003	0.000	0.88	362.2	7.7	0.046	0.001	0.06	17.8	0.4	17.8	0.4	17.8	0.4	14.3	33.2	13260	107	0.0
BU12-200b_36	g12r	2.8	0.020	0.001	0.003	0.000	0.73	333.4	8.1	0.048	0.001	-0.28	19.3	0.5	19.3	0.5	19.9	0.6	77.9	47.3	8150	91	0.0
BU12-200b_37	g12r	1.0	0.020	0.000	0.003	0.000	0.69	325.5	6.1	0.046	0.001	0.01	19.8	0.4	19.8	0.4	20.0	0.5	3.4	45.1	5481	49	0.0
BU12-200b_38	g13m	3.1	0.018	0.000	0.003	0.000	0.87	368.9	8.5	0.047	0.001	-0.16	17.4	0.4	17.5	0.4	18.0	0.5	53.3	37.5	9640	106	0.0
BU12-200b_39	g14m	6.6	0.020	0.001	0.003	0.000	0.75	340.3	9.3	0.049	0.001	-0.12	18.8	0.5	18.9	0.5	20.3	0.8	166.9	65.8	3229	18	0.0
BU12-200b_40	g15r	2.9	0.018	0.000	0.003	0.000	0.53	371.9	7.0	0.047	0.001	0.10	17.3	0.3	17.3	0.3	17.8	0.4	57.8	48.7	4232	29	0.0
BU12-200b_41	g15m	1.8	0.018	0.000	0.003	0.000	0.77	352.6	7.0	0.047	0.001	-0.13	18.2	0.4	18.3	0.4	18.6	0.5	51.3	41.5	9980	114	0.0
BU12-200b_42	g15m	0.5	0.019	0.000	0.003	0.000	0.61	344.1	6.1	0.047	0.001	0.03	18.7	0.3	18.7	0.3	18.8	0.5	37.5	47.0	6240	61	0.0
BU12-200b_43	g16m	1.2	0.019	0.000	0.003	0.000	0.74	344.5	6.2	0.047	0.001	-0.03	18.7	0.3	18.7	0.3	18.9	0.5	57.8	39.4	4545	39	0.0
BU12-200b_45	g16r	0.5	0.019	0.000	0.003	0.000	0.53	347.0	5.5	0.047	0.001	0.13	18.5	0.3	18.6	0.3	18.7	0.4	38.0	42.2	4518	41	0.0
BU12-200b_47	g17r	-0.7	0.019	0.000	0.003	0.000	0.63	327.2	6.2	0.046	0.001	-0.05	19.7	0.4	19.7	0.4	19.5	0.5	17.4	49.7	3271	27	0.0
BU12-200b_49	g18m	0.8	0.019	0.000	0.003	0.000	0.73	334.4	5.1	0.047	0.001	-0.06	19.2	0.3	19.2	0.3	19.4	0.5	65.4	40.9	5550	52	0.0
BU12-205: Foliation-parallel leucosome (UTM: 312766.3, 3075600.4)																							
BU12_205_01a	g1c	3.8	0.495	0.012	0.063	0.001	0.95	15.9	0.4	0.056	0.001	-0.02	392.1	9.1	392.7	9.1	408.3	9.1	444.4	45.5	1392	14	0.0
BU12_205_02a	g1r	2.2	0.020	0.000	0.003	0.000	0.77	333.2	7.1	0.047	0.001	-0.05	19.3	0.4	19.3	0.4	19.8	0.4	35.5	50.0	8690	830	0.1
BU12_205_04a	g2r	4.9	1.019	0.023	0.111	0.003	0.99	9.0	0.2	0.066	0.001	0.18	675.1	15.3	678.5	15.3	713.4	15.3	810.8	42.1	2793	1898	0.7
BU12_205_06a	g3r	10.4	0.025	0.001	0.003	0.000	0.68	286.7	6.3	0.052	0.001	0.05	22.3	0.5	22.4	0.5	25.0	0.6	282.8	51.0	3540	32	0.0
BU12_205_07a	g4c	1.1	4.159	0.091	0.291	0.006	0.98	3.4	0.1	0.104	0.002	0.00	1643.3	35.3	1648.0	35.1	1665.6	34.1	1691.0	37.1	702	464	0.7
BU12_205_08a	g5c	5.0	4.475	0.097	0.290	0.006	0.97	3.4	0.1	0.113	0.002	-0.03	1615.0	34.8	1641.0	34.6	1726.5	35.2	1846.6	36.4	331	75	0.2
BU12_205_09a	g6c	-0.1	0.019	0.000	0.003	0.000	0.74	332.2	7.4	0.047	0.001	-0.01	19.4	0.4	19.4	0.4	19.4	0.5	47.7	52.3	5939	26	0.0
BU12_205_10a	g7r	-1.3	0.019	0.000	0.003	0.000	0.78	331.7	7.1	0.046	0.001	-0.11	19.4	0.4	19.4	0.4	19.2	0.4	21.0	51.5	5210	122	0.0
BU12_205_11a	g7c	4.9	0.920	0.023	0.103	0.003	0.90	9.7	0.3	0.065	0.001	0.55	626.2	16.1	629.7	16.0	661.9	15.2	776.3	44.8	692	190	0.3
BU12_205_01b	g8c	2.2	1.191	0.028	0.128	0.003	0.93	7.8	0.2	0.067	0.001	-0.11	775.2	17.6	778.6	17.6	796.0	17.3	852.9	42.5	366	274	0.7
BU12_205_07b	g9r	1.6	0.020	0.000	0.003	0.000	0.92	332.6	7.9	0.047	0.001	-0.02	19.3	0.5	19.4	0.5	19.7	0.5	73.9	49.4	10740	249	0.0
BU12_205_09b	g11c	0.3	0.644	0.017	0.081	0.002	0.94	12.3	0.3	0.058	0.001	-0.01	503.7	12.8	503.9	12.7	505.3	12.2	516.1	46.0	635	331	0.5
BU12_205_10b	g12c	2.2	0.587	0.014	0.074	0.002	0.81	13.6	0.3	0.058	0.001	0.03	457.6	10.6	458.6	10.5	468.9	10.6	528.6	47.4	212	152	0.7
BU12_205_11b	g13r	0.8	0.020	0.000	0.003	0.000	0.86	330.3	7.5	0.047	0.001	-0.05	19.5	0.4	19.5	0.4	19.6	0.5	44.1	50.0	7490	105	0.0
BU12_205_13b	g13r	0.4	0.020	0.000	0.003	0.000	0.66	329.3	7.3	0.047	0.001	0.18	19.5	0.4	19.6	0.4	19.6	0.5	50.8	54.6	4097	44	0.0
BU12_205_02c	g14r	7.0	0.021	0.001	0.003	0.000	0.54	323.9	8.6	0.050	0.001	0.16	19.8	0.5	19.9	0.5	21.4	0.7	213.5	68.6	4110	110	0.0
BU12_205_05c	g15r	6.4	0.021	0.001	0.003	0.000	0.51	327.8	7.8	0.049	0.001	0.05	19.6	0.5	19.6	0.5	21.0	0.6	166.9	66.5	4166	34	0.0
BU12_205_06c	g16r	2.8	0.020	0.001	0.003	0.000	0.51	321.4	7.2	0.047	0.001	0.09	20.0	0.5	20.0	0.5	20.6	0.5	70.4	60.0	5514	39	0.0
BU12_205_01d	g17r	6.2	0.021	0.001	0.003	0.000	0.86	321.3	7.8	0.049	0.001	-0.11	20.0	0.5	20.0	0.5	21.4	0.5	139.2	52.1	5820	137	0.0
BU12_205_02d	g17r	3.2	0.021	0.001	0.003	0.000	0.82	314.2	7.7	0.048	0.001	0.02	20.4	0.5	20.5	0.5	21.2	0.6	109.1	53.2	5216	120	0.0
BU12_205_04d	g18r	1.6	0.650	0.021	0.081	0.002	0.91	12.4	0.3	0.059	0.001	-0.01	499.4	13.5	500.4	13.5	508.4	12.8	554.5	46.5	274	150	0.5
BU12_205_05d	g19c	4.6	0.584	0.018	0.072	0.002	0.98	14.0	0.4	0.059	0.001	0.01	443.5	11.5	445.1	11.3	466.7	11.5	560.8	44.6	953	801	0.8
BU12_205_06d	g19r	2.0	0.020	0.001	0.003	0.000	0.84	334.4	7.4	0.048	0.001	0.02	19.2	0.4	19.2	0.4	19.6	0.5	76.9	50.1	5282	143	0.0
BU12_205_11d	g20r	2.5	0.020	0.001	0.003	0.000	0.92	325.2	7.4	0.047	0.001	-0.19	19.8	0.4	19.8	0.4	20.3	0.5	71.9	49.3	6033	47	0.0
BU12_205_13d	g21r	9.7	0.786	0.024	0.086	0.002	0.88	11.6	0.3	0.066	0.001	0.22	525.6	13.1	531.4	13.2	588.7	14.1	819.0	45.1	259	79	0.3
BU12_205_14d	g22r	1.3	2.025	0.060	0.188	0.005	0.94	5.3	0.1	0.078	0.002	-0.10	1106.3	27.0	1108.0	26.8	1123.0	25.0	1156.0	41.0	137	96	0.7
BU12_205_15d	g23r	3.4	0.020	0.001	0.003	0.000	0.86	324.4	8.2	0.048	0.001	0.06	19.8	0.5	19.8	0.5	20.5	0.6	79.4	51.3	6873	166	0.0
BU12_205_18d	g24r	6.1	0.021	0.001	0.003	0.000	0.69	330.1	7.5	0.049	0.001	0.18	19.4	0.4	19.5	0.4	20.8	0.5	168.8	50.4	5778	49	0.0
BU12-207a: Sillimanite metapelite (UTM: 313108.2, 3076823.5)																							

BU12-207a_01	g1r	2.5	1.818	0.033	0.172	0.003	0.95	5.8	0.1	0.076	0.001	-0.08	1021.4	18.2	1025.4	18.1	1051.9	12.4	1106.4	30.9	925	393	0.4
BU12-207a_02	g2r	1.7	2.009	0.038	0.186	0.003	0.95	5.4	0.1	0.078	0.001	0.10	1098.3	20.4	1101.0	19.8	1120.5	13.5	1156.8	30.6	934	913	1.0
BU12-207a_03	g2r	3.6	1.726	0.036	0.164	0.003	0.92	6.1	0.1	0.076	0.001	-0.09	976.3	18.6	981.0	18.4	1017.8	13.8	1088.5	32.0	505	292	0.6
BU12-207a_04	g3r	1.6	1.951	0.042	0.183	0.004	0.97	5.5	0.1	0.077	0.001	-0.16	1079.6	22.0	1081.0	21.4	1098.0	14.9	1122.0	31.0	897	30	0.0
BU12-207a_06	g4r	6.2	2.472	0.044	0.202	0.004	0.92	5.0	0.1	0.089	0.001	0.18	1170.0	20.9	1185.0	20.9	1263.6	7.2	1410.6	29.8	449	245	0.5
BU12-207a_11	g5r	3.3	1.030	0.027	0.114	0.002	0.64	8.8	0.2	0.066	0.001	-0.05	692.1	12.9	694.6	12.9	718.0	13.1	796.2	44.6	164	185	1.1
BU12-207a_12	g5r	1.6	#####	0.206	0.463	0.009	0.97	2.2	0.0	0.166	0.003	-0.02	2424.9	49.0	2452.0	43.9	2492.0	27.7	2518.2	25.7	431	48	0.1
BU12-207a_14	g6r	7.8	0.037	0.002	0.005	0.000	0.34	188.3	4.8	0.051	0.003	0.26	34.0	0.9	34.1	0.9	37.0	2.2	227.2	132.2	265	2	0.0
BU12-207a_15	g6r	1.0	3.058	0.055	0.244	0.004	0.57	4.1	0.1	0.091	0.001	-0.12	1404.8	24.4	1408.0	24.3	1421.9	16.1	1444.9	29.7	375	275	0.7
BU12-207a_16	g7r	3.7	0.029	0.001	0.004	0.000	0.56	228.3	4.7	0.048	0.001	-0.02	28.1	0.6	28.2	0.6	29.3	0.7	115.5	59.9	1364	3	0.0
BU12-207a_17	g7r	0.7	0.031	0.001	0.005	0.000	0.28	210.3	4.2	0.047	0.002	0.13	30.6	0.6	30.6	0.6	30.8	1.1	64.4	92.7	923	3	0.0
BU12-207a_19	g8m	1.6	0.763	0.014	0.092	0.002	0.97	10.9	0.2	0.060	0.001	-0.05	565.6	10.0	566.5	10.0	575.8	7.1	610.4	32.9	4860	550	0.1
BU12-207a_21	g8m	0.3	3.280	0.077	0.256	0.006	0.98	3.9	0.1	0.093	0.001	-0.56	1469.1	32.7	1470.0	31.1	1475.0	20.3	1483.4	29.3	719	335	0.5
BU12-207a_22	g9c	0.7	3.614	0.072	0.271	0.005	0.95	3.7	0.1	0.097	0.001	0.11	1541.5	30.0	1543.0	28.7	1553.9	18.4	1560.8	29.1	340	168	0.5
BU12-207a_23	g10c	0.0	3.678	0.069	0.275	0.005	0.97	3.6	0.1	0.097	0.001	0.02	1563.3	29.5	1566.0	28.4	1566.1	18.1	1566.6	28.6	597	370	0.6
BU12-207a_24	g11c	0.8	1.993	0.037	0.187	0.003	0.96	5.4	0.1	0.077	0.001	0.04	1102.4	20.1	1104.0	19.9	1112.7	13.5	1124.0	30.5	1449	1738	1.2
BU12-207a_25	g11c	3.9	1.858	0.037	0.172	0.004	0.85	5.8	0.1	0.078	0.001	0.11	1017.6	20.6	1024.0	20.1	1065.8	13.8	1147.6	35.4	181	245	1.4
BU12-207a_27	g12r	4.6	4.249	0.084	0.283	0.006	0.96	3.5	0.1	0.108	0.002	-0.35	1588.8	31.1	1608.0	30.1	1685.0	19.6	1769.8	28.1	1315	25	0.0
BU12-207a_28	g13r	2.5	1.435	0.025	0.146	0.003	0.98	6.8	0.1	0.071	0.001	0.13	877.6	15.2	880.7	15.2	903.3	10.6	963.2	30.9	2812	593	0.2
BU12-207a_29	g14r	2.0	1.446	0.031	0.148	0.003	0.98	6.7	0.1	0.071	0.001	0.16	888.9	18.9	891.0	18.6	909.4	13.1	956.3	31.1	2202	421	0.2
BU12-207a_30	g15r	22.8	0.668	0.070	0.064	0.005	0.99	15.6	1.2	0.075	0.003	-0.35	389.6	29.3	400.0	29.6	518.0	42.3	1073.9	70.8	420	19	0.0
BU12-207a_31	g16r	0.9	1.870	0.038	0.179	0.004	0.97	5.6	0.1	0.076	0.001	-0.22	1059.5	20.7	1061.0	20.5	1070.1	14.0	1090.1	30.8	1353	509	0.4
BU12-207a_32	g17r	0.7	0.646	0.013	0.081	0.002	0.91	12.3	0.2	0.058	0.001	0.01	502.0	9.6	502.3	9.5	505.8	7.5	520.7	34.6	893	533	0.6
BU12-207a_33	g18r	0.0	1.964	0.040	0.187	0.004	0.92	5.4	0.1	0.077	0.001	-0.01	1102.5	21.9	1103.0	21.7	1102.7	14.4	1110.5	32.1	324	133	0.4
BU12-207a_34	g19r	2.6	0.640	0.013	0.079	0.002	0.96	12.7	0.2	0.059	0.001	-0.10	488.1	9.3	489.2	9.3	502.1	7.4	555.2	33.9	1765	88	0.0
BU12-207a_35	g20c	5.6	1.704	0.033	0.159	0.003	0.94	6.3	0.1	0.077	0.001	-0.10	945.4	17.9	953.0	17.4	1009.7	12.8	1120.7	31.1	868	93	0.1
BU12-207a_37	g21m	1.7	3.448	0.069	0.260	0.005	0.98	3.8	0.1	0.096	0.001	0.00	1483.4	28.9	1489.0	28.1	1515.0	11.0	1549.5	28.6	688	217	0.3
BU12-207a_44	g22r	1.7	1.806	0.040	0.173	0.003	0.45	5.8	0.1	0.076	0.001	-0.06	1026.5	19.2	1029.0	19.0	1047.0	11.0	1083.4	33.9	191	193	1.0
BU12-207a_45	g22r	2.1	2.197	0.046	0.197	0.004	0.97	5.1	0.1	0.081	0.001	0.05	1153.6	22.8	1157.0	22.3	1181.4	15.3	1223.6	30.5	754	550	0.7
BU12-207a_46	g23c	2.1	0.611	0.011	0.076	0.001	0.93	13.1	0.2	0.058	0.001	0.08	472.2	8.5	474.0	8.4	484.1	6.3	534.7	34.1	1462	1136	0.8
BU12-207a_48	g24r	1.8	1.911	0.044	0.180	0.004	0.95	5.6	0.1	0.077	0.001	-0.11	1064.7	21.8	1067.0	21.3	1086.0	11.0	1122.2	31.8	312	213	0.7
BU12-207a_50	g25r	3.5	1.533	0.032	0.152	0.003	0.97	6.6	0.1	0.073	0.001	-0.10	905.3	17.8	910.0	17.5	943.4	8.8	1023.6	31.0	977	807	0.8
BU12-207a_52	g26c	2.5	2.802	0.061	0.227	0.005	0.99	4.4	0.1	0.090	0.001	-0.28	1310.7	27.8	1321.0	27.5	1355.0	18.1	1421.5	29.0	3341	148	0.0
BU12-207a_53	g27r	4.8	0.495	0.012	0.062	0.001	0.95	16.1	0.3	0.058	0.001	-0.27	387.2	8.0	388.8	8.0	408.3	7.5	521.8	35.3	2230	807	0.4
BU12-207a_54	g28r	-0.2	2.135	0.054	0.198	0.005	0.94	5.1	0.1	0.079	0.001	0.14	1162.8	27.4	1163.0	26.5	1161.0	17.4	1165.9	33.0	407	293	0.7
BU12-207a_56	g29r	0.6	0.037	0.002	0.006	0.000	0.26	176.2	3.7	0.047	0.002	-0.05	36.5	0.8	36.5	0.8	36.7	1.7	44.1	112.9	629	1	0.0
BU12-207a_57	g30r	2.5	1.811	0.042	0.172	0.004	0.95	5.8	0.1	0.076	0.001	-0.06	1019.8	21.8	1023.0	21.5	1049.0	15.9	1092.2	31.8	915	27	0.0
BU12-207a_60	g31r	22.4	0.553	0.027	0.055	0.002	0.96	18.1	0.8	0.072	0.001	-0.35	338.8	14.2	347.0	14.0	447.0	17.6	985.7	35.1	941	24	0.0
BU12-207a_64	g32r	0.7	1.855	0.039	0.178	0.004	0.95	5.6	0.1	0.076	0.001	0.16	1056.7	22.6	1058.0	21.8	1065.0	10.0	1087.9	31.7	571	588	1.0
BU12-207b: Foliation-parallel leucosome (UTM: 313108.2, 3076823.5)																							
BU12-207b_01a	g1r	0.9	0.024	0.001	0.004	0.000	0.78	268.7	7.7	0.047	0.001	-0.07	23.9	0.7	24.0	0.7	24.2	0.5	45.7	67.1	6530	134	0.0
BU12-207b_04a	g2m	3.6	0.027	0.001	0.004	0.000	0.69	246.0	6.8	0.048	0.001	0.05	26.1	0.7	26.2	0.7	27.1	0.4	115.0	65.0	5638	147	0.0
BU12-207b_05a	g3r	2.7	0.019	0.001	0.003	0.000	0.71	355.6	9.9	0.047	0.001	-0.02	18.1	0.5	18.1	0.5	18.6	0.4	50.8	65.5	7650	111	0.0
BU12-207b_06a	g3c	2.5	0.026	0.001	0.004	0.000	0.33	257.4	7.5	0.047	0.002	0.26	25.0	0.7	25.0	0.7	25.6	0.7	69.4	84.6	2303	35	0.0
BU12-207b_09a	g9r	0.0	0.018	0.000	0.003	0.000	0.82	360.0	9.5	0.047	0.001	-0.19	17.9	0.5	17.9	0.5	17.9	0.3	25.7	61.9	15630	197	0.0
BU12-207b_10a	g9m	0.8	0.026	0.001	0.004	0.000	0.85	252.3	7.3	0.047	0.001	0.06	25.5	0.7	25.5	0.7	25.7	0.5	43.1	64.0	8230	280	0.0
BU12-207b_11a	g10r	4.3	0.019	0.001	0.003	0.000	0.52	357.9	9.7	0.048	0.001	0.06	17.9	0.5	18.0	0.5	18.8	0.4	121.8	66.6	7967	125	0.0
BU12-207b_13a	g11r	3.8	0.027	0.001	0.004	0.000	0.59	245.1	7.0	0.049	0.001	0.08	26.2	0.8	26.3	0.8	27.3	0.5	126.6	69.9	4280	73	0.0
BU12-207b_14a	g11r	4.5	0.028	0.001	0.004	0.000	0.60	240.6	6.5	0.049	0.002	-0.24	26.7	0.7	26.7	0.7	28.0	0.7	144.5	75.2	2860	38	0.0
BU12-207b_15a	g12r	2.0	0.021	0.001	0.003	0.000	0.66	316.4	9.7	0.047	0.002	0.05	20.3	0.6	20.3	0.6	20.8	0.6	59.9	76.5	3279	25	0.0
BU12-207b_17a	g13r	6.0	0.019	0.001	0.003	0.000	0.52	364.6	12.6	0.049	0.002	-0.11	17.6	0.6	17.7	0.6	18.8	0.4	123.7	109.4	5180	65	0.0
BU12-207b_18a	g14r	0.1	0.018	0.001	0.003	0.000	0.47	351.4	9.4	0.046	0.001	-0.14	18.3	0.5	18.3	0.5	18.3	0.4	19.5	73.2	4780	50	0.0

BU12-207b_19a	g15r	0.5	0.024	0.001	0.004	0.000	0.57	263.4	7.3	0.047	0.001	0.19	24.4	0.7	24.4	0.7	24.5	0.5	60.4	67.8	6305	132	0.0
BU12-207b_22a	g16r	1.3	0.019	0.001	0.003	0.000	0.49	343.1	9.6	0.047	0.001	0.19	18.7	0.5	18.8	0.5	19.0	0.4	69.4	73.2	5608	92	0.0
BU12-207b_23a	g17r	2.0	0.019	0.001	0.003	0.000	0.40	353.0	9.4	0.047	0.001	0.08	18.2	0.5	18.2	0.5	18.6	0.4	57.8	71.5	3728	30	0.0
BU12-207b_24a	g18r	1.9	0.019	0.001	0.003	0.000	0.53	341.2	9.3	0.048	0.001	-0.01	18.8	0.5	18.9	0.5	19.2	0.4	96.3	71.7	4945	57	0.0
BU12-207b_25a	g19r	1.6	0.018	0.001	0.003	0.000	0.54	361.0	9.6	0.047	0.001	0.05	17.8	0.5	17.8	0.5	18.1	0.3	53.8	64.2	9130	192	0.0
BU12-207b_26a	g20r	0.1	0.018	0.001	0.003	0.000	0.69	355.2	9.6	0.047	0.001	-0.04	18.1	0.5	18.1	0.5	18.1	0.4	26.7	66.8	6160	80	0.0
BU12-207b_27a	g21r	1.0	0.023	0.001	0.004	0.000	0.23	280.0	7.4	0.048	0.002	0.05	22.9	0.6	23.0	0.6	23.2	0.6	89.4	77.3	3220	43	0.0
BU12-207b_28a	g22r	-0.5	0.024	0.001	0.004	0.000	0.62	268.7	7.1	0.046	0.001	0.06	23.9	0.6	23.9	0.6	23.8	0.4	23.1	67.3	5087	109	0.0
BU12-207b_29a	g22r	1.4	0.018	0.001	0.003	0.000	0.27	357.0	9.4	0.048	0.002	-0.05	18.0	0.5	18.0	0.5	18.3	0.4	78.9	76.3	3260	35	0.0
BU12-207b_30a	g23r	1.4	0.018	0.001	0.003	0.000	0.41	357.9	9.5	0.047	0.001	0.11	18.0	0.5	18.0	0.5	18.2	0.4	54.8	69.4	6690	109	0.0
BU12-207b_31a	g24r	3.4	0.018	0.001	0.003	0.000	0.66	360.5	9.6	0.048	0.001	-0.17	17.8	0.5	17.9	0.5	18.5	0.3	115.0	65.2	16650	174	0.0
BU12-207b_33a	g25r	1.6	0.020	0.001	0.003	0.000	0.57	326.9	8.9	0.047	0.001	0.00	19.7	0.5	19.7	0.5	20.0	0.5	51.8	72.2	5839	76	0.0
BU12-207b_34a	g26r	1.6	0.018	0.001	0.003	0.000	0.62	355.7	9.4	0.047	0.001	-0.09	18.1	0.5	18.1	0.5	18.4	0.4	66.9	66.7	6750	104	0.0
BU12-207b_36a	g27r	2.2	0.015	0.001	0.002	0.000	0.53	434.8	12.1	0.048	0.002	-0.15	14.8	0.4	14.8	0.4	15.1	0.5	84.4	84.1	2966	14	0.0
BU12-207b_37a	g28r	1.1	0.018	0.001	0.003	0.000	0.39	355.1	9.3	0.047	0.001	-0.05	18.1	0.5	18.1	0.5	18.3	0.3	36.0	68.7	5348	73	0.0
BU12-207b_38a	g29c	2.5	0.026	0.001	0.004	0.000	0.45	254.5	6.8	0.047	0.001	-0.09	25.2	0.7	25.3	0.7	25.9	0.5	73.9	74.3	2067	35	0.0
BU12-207b_39a	g29r	3.3	0.026	0.001	0.004	0.000	0.51	254.8	6.9	0.048	0.001	0.12	25.2	0.7	25.3	0.7	26.1	0.5	105.2	68.9	3952	74	0.0
BU12-207b_40a	g30r	2.9	0.026	0.001	0.004	0.000	0.49	257.6	6.9	0.048	0.001	0.09	24.9	0.7	25.0	0.7	25.7	0.5	84.4	70.1	4750	100	0.0
BU12-207b_41a	g31r	0.9	0.026	0.001	0.004	0.000	0.77	244.7	6.6	0.047	0.001	-0.01	26.3	0.7	26.3	0.7	26.5	0.4	51.3	62.4	15000	454	0.0
BU12-207b_42a	g32r	1.2	0.023	0.001	0.004	0.000	0.55	277.5	7.4	0.047	0.001	0.05	23.2	0.6	23.2	0.6	23.5	0.4	55.3	68.4	5170	128	0.0
BU12-207b_43a	r33r	1.3	0.015	0.001	0.002	0.000	0.29	439.9	11.8	0.047	0.002	0.06	14.6	0.4	14.6	0.4	14.8	0.5	44.1	93.1	2827	17	0.0
BU12-207b_44a	g33r	3.0	0.018	0.001	0.003	0.000	0.47	368.5	10.5	0.048	0.002	0.26	17.4	0.5	17.5	0.5	18.0	0.4	76.4	75.7	2340	15	0.0
BU12-207b_46a	g34r	0.8	0.017	0.001	0.003	0.000	0.76	369.0	10.1	0.047	0.001	-0.12	17.4	0.5	17.4	0.5	17.6	0.3	54.8	65.0	13250	163	0.0
BU12-207b_47a	g35r	2.2	0.018	0.001	0.003	0.000	0.63	367.6	10.0	0.047	0.001	0.00	17.5	0.5	17.5	0.5	17.9	0.3	68.4	66.0	6900	51	0.0
BU12-207b_49a	g35c	2.9	0.028	0.001	0.004	0.000	0.60	235.8	6.4	0.048	0.001	0.04	27.2	0.7	27.3	0.7	28.1	0.6	79.9	67.4	3839	98	0.0
BU12-207b_51a	g36r	3.0	0.021	0.001	0.003	0.000	0.47	314.0	8.8	0.048	0.002	-0.07	20.5	0.6	20.5	0.6	21.1	0.5	74.4	77.7	3234	59	0.0
BU12-207b_52a	g37r	1.6	0.014	0.000	0.002	0.000	0.58	455.4	13.0	0.047	0.002	-0.02	14.1	0.4	14.1	0.4	14.4	0.4	46.7	77.2	4028	25	0.0
BU12-207b_55a	g38r	-0.1	0.016	0.001	0.002	0.000	0.50	411.2	11.9	0.047	0.001	0.09	15.6	0.5	15.7	0.5	15.7	0.4	49.7	73.1	3290	14	0.0
BU12-207b_56a	g39m	2.3	0.017	0.001	0.003	0.000	0.76	376.2	10.3	0.047	0.001	0.15	17.1	0.5	17.1	0.5	17.5	0.3	71.4	65.7	11560	99	0.0
BU12-207b_57a	g40m	2.9	0.025	0.001	0.004	0.000	0.53	261.4	7.3	0.048	0.001	0.06	24.6	0.7	24.6	0.7	25.3	0.6	94.8	69.1	3320	66	0.0
BU12-207b_58a	g40r	2.0	0.024	0.001	0.004	0.000	0.53	276.5	7.4	0.047	0.001	0.10	23.2	0.6	23.3	0.6	23.8	0.4	63.4	68.0	5668	132	0.0
BU12-207b_59a	g41r	2.1	0.018	0.001	0.003	0.000	0.51	364.6	10.3	0.047	0.001	0.04	17.6	0.5	17.7	0.5	18.0	0.4	39.0	74.8	6140	50	0.0
BU12-207b_60a	g41r	2.2	0.025	0.001	0.004	0.000	0.71	264.4	7.8	0.048	0.001	0.00	24.3	0.7	24.3	0.7	24.9	0.6	82.4	68.3	3199	61	0.0
BU12-207b_61a	g42r	1.7	0.019	0.001	0.003	0.000	0.65	345.9	9.9	0.047	0.001	-0.05	18.6	0.5	18.6	0.5	18.9	0.5	58.4	71.5	4272	59	0.0
BU12-207b_63a	g42r	0.8	0.014	0.000	0.002	0.000	0.36	462.1	13.1	0.047	0.002	0.10	13.9	0.4	13.9	0.4	14.0	0.3	59.4	78.1	5215	30	0.0
BU12-207b_64a	g42m	1.6	0.017	0.001	0.003	0.000	0.64	375.7	10.2	0.047	0.001	-0.04	17.1	0.5	17.1	0.5	17.4	0.4	30.3	73.0	5688	44	0.0
BU12-207b_65a	g42c	0.9	0.022	0.001	0.003	0.000	0.43	290.5	8.2	0.048	0.002	0.06	22.1	0.6	22.2	0.6	22.3	0.5	74.4	81.0	2138	25	0.0
BU12-207b_66a	g43r	0.6	0.018	0.001	0.003	0.000	0.54	352.5	10.8	0.047	0.002	-0.03	18.3	0.6	18.3	0.6	18.4	0.4	42.6	77.3	3497	23	0.0
BU12-207b_67a	g44m	0.4	0.018	0.001	0.003	0.000	0.49	347.8	9.3	0.047	0.001	-0.15	18.5	0.5	18.5	0.5	18.6	0.4	61.9	70.3	4249	64	0.0
BU12-207b_68a	g45r	0.4	0.018	0.001	0.003	0.000	0.73	356.0	10.1	0.047	0.001	-0.15	18.1	0.5	18.1	0.5	18.2	0.4	24.1	67.5	9290	106	0.0
BU12-207b_70a	g45c	2.1	0.019	0.004	0.003	0.000	0.87	344.8	24.2	0.047	0.007	0.24	18.7	1.3	18.6	1.3	19.0	3.5	49.2	330.6	4990	65	0.0
BU12-207b_71a	g46r	0.0	0.023	0.001	0.004	0.000	0.70	273.5	8.0	0.047	0.001	0.12	23.5	0.7	23.5	0.7	23.5	0.5	28.8	69.7	6084	119	0.0
BU12-207b_72a	g46m	1.8	0.023	0.001	0.004	0.000	0.75	279.5	7.8	0.047	0.001	0.07	23.0	0.6	23.0	0.6	23.4	0.5	65.9	65.0	5124	94	0.0
BU12-207b_02b	g47r	-0.2	0.014	0.000	0.002	0.000	0.44	458.1	9.8	0.046	0.001	0.04	14.1	0.2	458.1	9.8	0.0	0.0	15.9	60.2	3971	24	0.0
BU12-207b_03b	g48r	-0.1	0.018	0.000	0.003	0.000	0.72	347.2	7.7	0.047	0.001	-0.63	18.5	0.3	347.2	7.7	0.0	0.0	24.1	58.8	5724	56	0.0
BU12-207b_05b	g49c	0.4	0.019	0.001	0.003	0.000	0.59	344.2	7.6	0.046	0.001	-0.26	18.7	0.3	344.2	7.6	0.0	0.0	22.1	60.1	3758	41	0.0
BU12-207b_06b	g50c	1.5	0.019	0.000	0.003	0.000	0.52	349.7	7.4	0.047	0.001	-0.40	18.4	0.2	349.7	7.4	0.0	0.0	52.3	58.9	4232	55	0.0
BU12-207b_07b	g51r	0.7	0.023	0.001	0.004	0.000	0.67	277.9	5.9	0.047	0.001	-0.08	23.1	0.3	277.9	5.9	0.0	0.0	41.1	52.0	6540	157	0.0
BU12-207b_09b	g52c	1.7	0.022	0.001	0.003	0.000	0.30	293.5	6.6	0.047	0.001	0.30	21.9	0.3	21.9	0.5	22.3	0.4	66.9	62.0	2823	34	0.0
BU12-209: Cross-cutting pegmatite (UTM:314477.77, 3078477.26)																							
BU12-209_01a	g1r	2.1	0.026	0.001	0.004	0.000	0.83	255.5	5.6	0.047	0.001	-0.17	25.2	0.6	25.2	0.6	25.7	0.6	68.9	50.1	4060	93	0.0
BU12-209_03a	g2r	3.0	0.026	0.001	0.004	0.000	0.71	255.6	5.6	0.048	0.001	0.07	25.1	0.6	25.2	0.5	25.9	0.6	88.4	51.8	3464	66	0.0

BU12-209_04a	g2c	2.4	0.026	0.001	0.004	0.000	0.78	250.6	5.5	0.048	0.001	-0.07	25.6	0.6	25.7	0.6	26.3	0.6	86.9	50.9	4750	100	0.0
BU12-209_06a	g3r	2.4	0.024	0.001	0.004	0.000	0.85	275.6	6.3	0.048	0.001	0.07	23.3	0.5	23.4	0.5	23.9	0.6	83.4	49.5	4021	61	0.0
BU12-209_07a	g3c	2.9	0.026	0.001	0.004	0.000	0.89	250.7	5.4	0.048	0.001	0.09	25.6	0.6	25.7	0.6	26.4	0.6	106.2	48.1	14560	474	0.0
BU12-209_08a	g4r	2.8	0.024	0.001	0.004	0.000	0.80	272.9	6.2	0.048	0.001	-0.25	23.5	0.5	23.6	0.5	24.3	0.6	85.4	53.8	2945	46	0.0
BU12-209_10a	g5r	3.8	0.027	0.001	0.004	0.000	0.84	248.3	5.4	0.048	0.001	-0.06	25.8	0.6	25.9	0.6	26.9	0.6	115.5	48.5	9780	271	0.0
BU12-209_12a	g6c	0.9	0.026	0.001	0.004	0.000	0.78	249.8	5.5	0.047	0.001	0.02	25.7	0.6	25.8	0.6	26.0	0.6	66.9	50.4	5307	124	0.0
BU12-209_13a	g7c	0.5	0.024	0.001	0.004	0.000	0.82	269.0	5.7	0.047	0.001	0.13	23.9	0.5	23.9	0.5	24.1	0.5	56.3	49.2	14610	485	0.0
BU12-209_14a	g8m	1.1	0.025	0.001	0.004	0.000	0.80	258.9	5.8	0.047	0.001	-0.09	24.8	0.6	24.9	0.6	25.1	0.6	61.4	51.0	5969	157	0.0
BU12-209_17a	g9m	1.7	0.025	0.001	0.004	0.000	0.81	260.1	6.4	0.047	0.001	-0.06	24.7	0.6	24.7	0.6	25.2	0.7	68.4	53.8	10350	266	0.0
BU12-209_18a	g9m	0.0	0.027	0.001	0.004	0.000	0.95	242.2	5.4	0.047	0.001	0.01	26.6	0.6	26.6	0.6	26.6	0.6	42.6	48.4	30640	1218	0.0
BU12-209_19a	g10r	-0.5	0.019	0.000	0.003	0.000	0.73	332.7	7.4	0.047	0.001	0.23	19.3	0.4	19.4	0.4	19.3	0.4	29.8	51.0	5070	61	0.0
BU12-209_20a	g11r	1.6	0.023	0.001	0.003	0.000	0.76	287.5	6.4	0.047	0.001	0.00	22.4	0.5	22.4	0.5	22.7	0.5	46.7	51.9	4584	87	0.0
BU12-209_21a	g11c	6.6	0.028	0.001	0.004	0.000	0.76	247.6	5.5	0.050	0.001	-0.06	25.9	0.6	26.0	0.6	27.8	0.7	183.8	50.4	3773	103	0.0
BU12-209_22a	g12r	1.0	0.023	0.001	0.004	0.000	0.79	280.0	6.2	0.047	0.001	-0.05	23.0	0.5	23.0	0.5	23.2	0.5	30.8	51.0	4353	69	0.0
BU12-209_23a	g13r	4.1	0.025	0.001	0.004	0.000	0.59	271.2	5.9	0.048	0.001	0.16	23.7	0.5	23.7	0.5	24.7	0.6	96.3	53.2	3049	53	0.0
BU12-209_24a	g13r	1.0	0.024	0.001	0.004	0.000	0.59	267.0	5.9	0.047	0.001	-0.18	24.1	0.5	24.1	0.5	24.3	0.6	27.2	56.0	2364	40	0.0
BU12-209_25a	g13c	1.8	0.025	0.001	0.004	0.000	0.79	258.3	5.8	0.047	0.001	0.07	24.9	0.6	24.9	0.6	25.4	0.6	56.3	50.7	2574	48	0.0
BU12-209_26a	g14r	5.8	0.022	0.001	0.003	0.000	0.64	308.1	6.7	0.049	0.001	0.08	20.8	0.5	20.9	0.5	22.2	0.5	145.0	50.9	4149	53	0.0
BU12-209_27a	g14r	1.1	0.020	0.000	0.003	0.000	0.75	316.2	6.9	0.047	0.001	0.07	20.3	0.4	20.4	0.4	20.6	0.5	37.0	50.4	5310	61	0.0
BU12-209_28a	g15r	1.6	0.021	0.001	0.003	0.000	0.59	303.9	6.6	0.047	0.001	0.20	21.2	0.5	21.2	0.5	21.5	0.5	53.3	53.3	2101	22	0.0
BU12-209_29a	g16r	0.9	0.022	0.001	0.003	0.000	0.76	288.4	6.4	0.047	0.001	0.01	22.3	0.5	22.3	0.5	22.5	0.5	62.9	51.7	2841	37	0.0
BU12-209_30a	g16c	8.1	0.028	0.001	0.004	0.000	0.61	248.1	5.5	0.050	0.001	-0.03	25.8	0.6	25.9	0.6	28.2	0.7	212.6	52.6	6436	153	0.0
BU12-209_32a	g17r	1.6	0.021	0.001	0.003	0.000	0.92	311.9	8.9	0.047	0.001	0.03	20.6	0.6	20.6	0.6	21.0	0.6	66.4	51.9	13720	38	0.0
BU12-209_33a	g18r	1.4	0.025	0.001	0.004	0.000	0.72	258.9	5.6	0.047	0.001	0.04	24.8	0.5	24.9	0.5	25.2	0.6	48.2	51.2	3761	86	0.0
BU12-209_34a	g18r	6.8	0.027	0.001	0.004	0.000	0.70	257.8	6.2	0.050	0.001	-0.03	24.9	0.6	25.0	0.6	26.8	0.7	186.6	55.8	3423	59	0.0
BU12-209_35a	g19r	4.0	0.022	0.001	0.003	0.000	0.60	298.6	6.7	0.048	0.001	-0.03	21.5	0.5	21.6	0.5	22.4	0.6	116.9	54.0	2732	39	0.0
BU12-209_36a	g20r	2.8	0.018	0.000	0.003	0.000	0.62	369.4	8.1	0.047	0.001	0.02	17.4	0.4	17.4	0.4	17.9	0.4	59.4	51.8	3515	55	0.0
BU12-209_38a	g21r	0.6	0.025	0.001	0.004	0.000	0.94	254.1	7.1	0.047	0.001	-0.19	25.3	0.7	25.3	0.7	25.5	0.7	42.1	51.1	5163	111	0.0
BU12-209_39a	g22r	1.7	0.017	0.000	0.003	0.000	0.68	372.3	8.2	0.047	0.001	0.07	17.3	0.4	17.3	0.4	17.6	0.4	56.8	52.4	2925	36	0.0
BU12-209_40a	g23m	5.4	0.027	0.001	0.004	0.000	0.68	253.7	5.7	0.049	0.001	-0.07	25.3	0.6	25.4	0.6	26.8	0.7	155.0	52.1	2761	49	0.0
BU12-209_41a	g23r	4.6	0.022	0.001	0.003	0.000	0.65	307.3	7.0	0.048	0.001	0.04	20.9	0.5	20.9	0.5	21.9	0.5	109.6	53.0	2573	38	0.0
BU12-209_43a	g24c	1.1	0.027	0.001	0.004	0.000	0.89	243.5	5.8	0.047	0.001	0.32	26.4	0.6	26.4	0.6	26.7	0.6	52.8	49.8	5673	128	0.0
BU12-209_44a	g25r	1.0	0.021	0.000	0.003	0.000	0.84	314.9	7.1	0.047	0.001	0.18	20.4	0.5	20.4	0.5	20.6	0.5	37.0	50.1	4750	54	0.0
BU12-209_45a	g25r	6.3	0.021	0.001	0.003	0.000	0.57	319.5	7.4	0.050	0.001	-0.31	20.1	0.5	20.2	0.5	21.5	0.7	195.0	69.1	5340	53	0.0
BU12-209_46a	g26m	2.4	0.020	0.001	0.003	0.000	0.86	321.4	7.4	0.048	0.001	-0.11	20.0	0.5	20.0	0.5	20.5	0.5	79.4	51.0	4570	53	0.0
BU12-209_47a	g26r	0.6	0.018	0.000	0.003	0.000	0.75	367.1	8.3	0.047	0.001	0.08	17.5	0.4	17.5	0.4	17.6	0.4	32.4	51.5	3837	54	0.0
BU12-209_48a	g27r	0.6	0.022	0.001	0.003	0.000	0.73	292.9	6.5	0.047	0.001	0.04	22.0	0.5	22.0	0.5	22.1	0.5	31.9	53.0	2241	35	0.0
BU12-209_50a	g28m	5.2	0.027	0.001	0.004	0.000	0.84	253.2	5.8	0.049	0.001	-0.12	25.3	0.6	25.4	0.6	26.8	0.7	151.7	49.7	5120	105	0.0
BU12-209_51a	g29m	5.2	0.025	0.001	0.004	0.000	0.55	269.0	6.8	0.049	0.001	-0.04	23.8	0.6	23.9	0.6	25.2	0.7	151.7	56.7	3038	44	0.0
BU12-209_52a	g30r	4.3	0.023	0.001	0.003	0.000	0.66	286.4	6.4	0.048	0.001	0.07	22.4	0.5	22.5	0.5	23.5	0.6	111.1	52.1	2912	42	0.0
BU12-209_53a	g31m	1.7	0.025	0.001	0.004	0.000	0.91	262.1	6.1	0.047	0.001	0.15	24.5	0.6	24.6	0.6	25.0	0.6	64.4	48.9	7421	182	0.0
BU12-209_54a	g32r	4.0	0.025	0.001	0.004	0.000	0.72	267.9	6.0	0.048	0.001	0.08	24.0	0.5	24.0	0.5	25.0	0.6	96.3	52.1	2848	49	0.0
BU12-209_55a	g33r	2.6	0.025	0.001	0.004	0.000	0.71	268.5	6.1	0.048	0.001	0.12	23.9	0.5	24.0	0.5	24.6	0.6	80.4	51.9	2677	37	0.0
BU12-209_56a	g34r	2.2	0.022	0.001	0.003	0.000	0.77	294.3	6.7	0.047	0.001	0.12	21.8	0.5	21.9	0.5	22.4	0.5	71.9	50.9	3158	46	0.0
BU12-209_57a	g35m	5.3	0.025	0.001	0.004	0.000	0.67	275.3	7.2	0.049	0.001	-0.12	23.3	0.6	23.4	0.6	24.7	0.8	162.1	66.6	3887	45	0.0
BU12-209_01b	g36r	1.0	0.021	0.000	0.003	0.000	0.64	304.2	6.5	0.047	0.001	-0.04	21.1	0.4	21.2	0.4	21.4	0.5	66.9	51.3	3162	55	0.0
BU12-209_02b	g36c	5.6	0.027	0.001	0.004	0.000	0.51	255.3	5.4	0.050	0.001	0.11	25.1	0.5	25.2	0.5	26.7	0.6	182.9	50.9	4318	68	0.0
BU12-209_03b	g37r	0.3	0.023	0.000	0.004	0.000	0.52	283.4	6.1	0.047	0.001	0.27	22.7	0.5	22.7	0.5	22.8	0.5	58.9	51.6	4835	94	0.0
BU12-209_04b	g37c	1.5	0.026	0.001	0.004	0.000	0.67	254.7	5.4	0.048	0.001	-0.02	25.2	0.5	25.3	0.5	25.6	0.6	78.9	50.6	4449	78	0.0
BU12-209_05b	g37r	1.0	0.023	0.001	0.004	0.000	0.71	279.3	5.9	0.047	0.001	0.20	23.0	0.5	23.0	0.5	23.3	0.5	58.9	52.2	4520	76	0.0
BU12-209_06b	g38c	1.5	0.627	0.013	0.079	0.002	0.87	12.7	0.3	0.058	0.001	-0.02	486.5	10.1	487.1	10.1	494.4	10.2	527.1	44.3	968	1262	1.3

BU12-209_07b	g39r	2.6	0.021	0.000	0.003	0.000	0.58	306.7	6.5	0.047	0.001	0.05	21.0	0.4	21.0	0.4	21.5	0.5	68.4	51.7	3766	70	0.0
BU12-209_09b	g39r	1.2	0.021	0.000	0.003	0.000	0.75	306.4	6.6	0.046	0.001	0.10	21.0	0.5	21.0	0.5	21.3	0.5	8.6	54.0	3555	64	0.0
BU12-209_10b	g40r	1.6	0.020	0.000	0.003	0.000	0.66	326.4	7.1	0.046	0.001	0.02	19.7	0.4	19.7	0.4	20.0	0.5	0.2	52.1	4982	53	0.0
BU12-209_11b	g40c	1.7	0.024	0.001	0.004	0.000	0.63	269.6	5.9	0.046	0.001	0.39	23.9	0.5	23.9	0.5	24.3	0.5	12.2	52.6	4843	123	0.0
BU12-221: Migmatitic orthogneiss (UTM: 315276.2, 3085576.8)																							
BU12-221_09a	g1r	-1.1	0.638	0.018	0.082	0.002	0.57	12.2	0.2	0.056	0.001	0.02	506.9	9.6	506.1	9.5	500.5	10.3	459.1	51.3	105	74	0.7
BU12-221_10a	g1c	0.2	0.646	0.012	0.081	0.001	0.51	12.3	0.2	0.057	0.001	0.21	504.5	8.7	504.4	8.6	505.6	6.9	501.2	40.1	149	200	1.3
BU12-221_12a	g2c	-1.0	0.632	0.015	0.081	0.002	0.75	12.4	0.2	0.056	0.001	-0.13	502.0	9.7	501.5	9.6	496.8	8.8	470.9	44.1	288	176	0.6
BU12-221_13a	g3r	-1.0	0.647	0.013	0.083	0.002	0.90	12.1	0.2	0.057	0.001	0.11	513.1	10.2	512.6	9.9	507.4	7.3	493.1	36.0	880	198	0.2
BU12-221_14a	g4r	0.0	0.633	0.013	0.080	0.002	0.58	12.5	0.2	0.057	0.001	0.31	497.7	9.4	497.6	9.4	497.5	7.1	494.2	42.5	195	130	0.7
BU12-221_15a	g4c	-0.7	0.641	0.011	0.082	0.001	0.94	12.2	0.2	0.057	0.001	0.15	506.5	8.9	506.3	8.9	502.6	6.3	490.8	33.9	2147	92	0.0
BU12-221_16a	g4r	0.1	0.630	0.012	0.080	0.002	0.98	12.5	0.2	0.057	0.001	0.20	495.4	9.6	495.2	9.7	495.9	7.0	504.3	33.5	4658	315	0.1
BU12-221_17a	g5r	-2.4	0.671	0.016	0.086	0.002	0.80	11.6	0.2	0.057	0.001	-0.07	534.6	10.5	533.6	10.5	521.1	9.0	476.0	40.4	260	138	0.5
BU12-221_18a	g5c	-0.2	0.646	0.012	0.082	0.002	0.95	12.2	0.2	0.058	0.001	-0.20	506.6	9.3	506.6	9.3	505.8	6.9	511.9	34.1	2688	173	0.1
BU12-221_19a	g6r	0.1	0.658	0.012	0.083	0.002	0.91	12.1	0.2	0.058	0.001	0.16	513.7	9.4	513.7	9.4	514.2	6.5	516.9	34.4	1494	363	0.2
BU12-221_22a	g7c	0.2	0.657	0.016	0.083	0.002	0.55	12.1	0.3	0.058	0.001	0.25	512.1	10.6	512.4	10.6	513.4	9.3	519.9	50.0	82	60	0.7
BU12-221_23a	g8r	1.1	0.618	0.014	0.078	0.002	0.94	12.9	0.3	0.058	0.001	-0.29	482.3	9.9	483.2	9.8	488.6	8.0	522.6	35.2	1339	848	0.6
BU12-221_24a	g8c	0.0	0.638	0.012	0.081	0.001	0.84	12.4	0.2	0.058	0.001	0.11	500.3	9.1	500.5	9.1	500.7	6.8	511.5	35.6	2022	438	0.2
BU12-221_25a	g9c	0.2	0.626	0.014	0.079	0.002	0.87	12.6	0.3	0.058	0.001	0.05	492.1	10.8	492.3	10.7	493.3	8.2	516.9	37.9	664	443	0.7
BU12-221_26a	g9r	-1.1	0.683	0.014	0.087	0.002	0.91	11.6	0.2	0.057	0.001	-0.22	535.4	9.8	534.8	9.7	529.1	8.0	505.4	36.1	906	97	0.1
BU12-221_27a	g10c	-0.1	0.653	0.015	0.082	0.002	0.82	12.1	0.2	0.057	0.001	-0.23	510.4	9.7	510.4	9.7	509.8	8.7	506.9	38.9	264	306	1.2
BU12-221_29a	g11r	0.4	0.649	0.016	0.082	0.002	0.66	12.3	0.2	0.057	0.001	-0.02	505.3	9.6	505.4	9.5	507.3	9.2	509.6	44.7	240	289	1.2
BU12-221_30a	g11c	0.7	0.638	0.014	0.080	0.002	0.89	12.5	0.2	0.057	0.001	-0.13	497.8	9.6	497.8	9.6	501.5	8.1	505.4	35.8	711	341	0.5
BU12-221_31a	g12r	0.9	0.633	0.013	0.080	0.002	0.97	12.6	0.3	0.057	0.001	0.28	493.5	10.4	493.8	10.2	498.1	7.6	508.1	34.0	4413	308	0.1
BU12-221_32a	g12c	-0.1	0.667	0.013	0.084	0.002	0.88	11.9	0.2	0.057	0.001	0.06	520.3	9.9	519.9	10.0	519.4	7.5	499.6	35.4	1007	1689	1.7
BU12-221_34a	g13r	0.4	0.640	0.013	0.081	0.002	0.28	12.4	0.2	0.057	0.001	0.22	500.5	9.6	500.2	9.5	502.2	7.6	490.8	34.5	1867	186	0.1
BU12-221_35a	g14c	-1.7	0.660	0.017	0.085	0.002	0.65	11.8	0.2	0.057	0.001	0.01	524.9	10.7	523.9	10.7	515.4	9.7	479.9	46.9	146	169	1.2
BU12-221_36a	g14r	-1.0	0.631	0.012	0.081	0.001	0.76	12.4	0.2	0.056	0.001	0.05	501.6	8.9	501.1	8.9	496.2	6.8	471.7	38.0	367	243	0.7
BU12-221_37a	g15r	0.1	0.633	0.011	0.080	0.001	0.96	12.5	0.2	0.057	0.001	0.14	497.2	8.7	497.1	8.7	497.7	6.2	494.2	33.6	3819	325	0.1
BU12-221_38a	g15c	0.2	0.659	0.017	0.083	0.002	0.63	12.1	0.2	0.057	0.001	0.09	513.0	10.2	512.7	9.9	513.5	9.9	503.5	47.8	161	152	0.9
BU12-221_39a	g16r	-0.2	0.643	0.013	0.082	0.002	0.85	12.3	0.2	0.057	0.001	0.04	505.2	9.7	505.3	9.7	504.1	7.5	499.6	37.1	640	350	0.5
BU12-221_40a	g16r	-0.5	0.648	0.012	0.082	0.002	0.86	12.2	0.2	0.057	0.001	0.20	509.8	9.3	509.6	9.2	507.3	6.5	499.6	35.0	810	44	0.1
BU12-221_41a	g17c	-1.1	0.640	0.014	0.082	0.002	0.76	12.2	0.2	0.057	0.001	-0.10	507.5	9.5	507.2	9.4	501.9	8.0	491.5	39.8	378	289	0.8
BU12-221_43a	g17r	0.1	0.641	0.020	0.081	0.002	0.38	12.4	0.3	0.058	0.002	0.16	501.1	10.1	501.3	9.9	502.0	12.1	522.2	65.8	62	53	0.9
BU12-221_44a	g18r	0.2	0.647	0.013	0.082	0.001	0.70	12.3	0.2	0.058	0.001	0.00	505.2	8.7	505.6	8.7	506.6	7.0	527.9	38.5	188	132	0.7
BU12-221_46a	g19r	-1.5	0.646	0.013	0.083	0.002	0.89	12.1	0.2	0.057	0.001	0.05	513.8	9.8	513.4	9.7	505.7	7.1	488.4	35.6	1239	452	0.4
BU12-221_47a	g20c	-0.5	0.642	0.015	0.082	0.002	0.82	12.3	0.3	0.057	0.001	0.08	505.6	10.9	505.9	10.7	503.4	8.5	509.6	39.1	318	73	0.2
BU12-221_48a	g20r	-0.3	0.637	0.013	0.081	0.002	0.92	12.3	0.2	0.057	0.001	0.01	502.1	10.1	501.8	10.0	500.5	7.4	500.0	35.7	631	92	0.1
BU12-221_49a	g21c	-0.4	0.640	0.015	0.082	0.002	0.73	12.3	0.2	0.058	0.001	0.11	504.8	10.1	505.1	10.2	503.3	8.6	518.4	39.0	221	199	0.9
BU12-221_50a	g21r	-0.6	0.641	0.015	0.082	0.002	0.74	12.2	0.2	0.057	0.001	-0.18	507.2	9.6	506.8	9.5	503.8	9.1	484.6	42.1	179	152	0.9
BU12-221_51a	g22c	-2.4	0.618	0.016	0.081	0.002	0.70	12.4	0.2	0.057	0.001	-0.01	501.9	9.7	501.4	9.7	489.5	9.7	474.8	46.4	150	157	1.0
BU12-221_52a	g22r	-0.9	0.634	0.014	0.081	0.001	0.75	12.3	0.2	0.056	0.001	-0.12	503.9	9.0	503.4	8.9	499.1	8.0	470.9	38.8	342	287	0.8
BU12-221_53a	g23c	-0.4	0.618	0.014	0.079	0.002	0.71	12.7	0.2	0.057	0.001	-0.02	490.2	9.2	490.4	9.2	488.6	8.4	499.3	41.4	234	239	1.0
BU12-221_54a	g24c	0.1	0.630	0.015	0.080	0.001	0.69	12.5	0.2	0.057	0.001	-0.09	495.6	9.1	495.7	9.0	496.4	8.5	505.8	41.8	135	93	0.7
BU12-221_56a	g25r	-1.0	0.630	0.015	0.081	0.002	0.78	12.4	0.3	0.057	0.001	-0.01	501.3	10.5	500.6	10.5	495.9	9.2	473.6	42.8	277	65	0.2
BU12-221_58a	g26c	-0.8	0.670	0.016	0.085	0.002	0.95	11.8	0.3	0.057	0.001	-0.09	524.7	11.6	524.1	11.4	520.2	8.9	492.3	34.8	2146	128	0.1
BU12-221_59a	g27c	-1.6	0.635	0.015	0.082	0.001	0.61	12.2	0.2	0.056	0.001	0.02	508.0	9.1	507.4	9.1	499.5	8.4	471.7	45.4	120	74	0.6
BU12-221_60a	g27r	0.1	0.658	0.014	0.083	0.002	0.90	12.1	0.2	0.057	0.001	0.04	512.9	9.8	512.9	9.9	513.2	7.7	508.1	35.8	1172	187	0.2
BU12-221_61a	g28c	-0.5	0.683	0.016	0.086	0.002	0.88	11.7	0.2	0.058	0.001	-0.22	530.8	10.4	530.7	10.4	528.2	9.0	523.7	36.9	527	126	0.2
BU12-221_62a	g28r	-0.6	0.648	0.017	0.082	0.002	0.75	12.1	0.3	0.058	0.001	-0.06	510.4	10.6	510.3	10.6	507.1	9.9	514.2	46.2	169	99	0.6
BU12-221_63a	g29r	0.0	0.669	0.016	0.084	0.002	0.84	11.9	0.2	0.058	0.001	-0.09	520.1	10.7	519.8	10.7	520.0	8.8	510.8	39.9	366	230	0.6
BU12-221_64a	g29c	-1.0	0.655	0.013	0.083	0.002	0.55	12.0	0.2	0.057	0.001	0.15	517.2	9.3	516.5	9.3	511.4	7.5	476.8	40.8	183	201	1.1

BU12-221_65a	g30c	1.2	0.639	0.015	0.080	0.002	0.62	12.5	0.2	0.058	0.001	0.20	494.9	9.5	495.6	9.4	501.5	8.5	541.4	45.0	194	339	1.7
BU12-221_66a	g30r	-1.0	0.638	0.012	0.082	0.001	0.76	12.2	0.2	0.057	0.001	0.14	506.0	9.2	505.9	9.2	501.1	7.0	499.3	37.9	417	239	0.6
BU12-221_67a	g31r	1.0	0.650	0.015	0.081	0.002	0.67	12.3	0.2	0.058	0.001	0.15	502.7	10.1	503.3	10.0	508.4	8.7	535.4	45.1	153	109	0.7
BU12-221_68a	g31c	-1.0	0.657	0.019	0.084	0.002	0.41	12.0	0.2	0.057	0.002	0.18	517.8	10.3	517.3	10.1	512.4	11.1	506.9	59.7	74	44	0.6
BU12-221_69a	g32r	-0.3	0.641	0.011	0.081	0.001	0.83	12.3	0.2	0.058	0.001	0.06	504.0	8.7	504.3	8.7	502.8	6.2	523.0	35.9	504	164	0.3
BU12-221_70a	g32c	0.7	0.644	0.014	0.081	0.002	0.82	12.4	0.3	0.058	0.001	0.21	500.5	10.5	501.1	10.6	504.4	7.9	526.7	38.3	632	898	1.4
BU12-221_71a	g32c	0.5	0.641	0.013	0.081	0.001	0.65	12.4	0.2	0.058	0.001	0.05	499.8	9.0	500.2	9.0	502.8	7.5	521.4	41.6	202	59	0.3
BU12-221_72a	g33r	1.9	0.023	0.001	0.004	0.000	0.52	279.3	5.1	0.048	0.001	0.10	23.0	0.4	23.0	0.4	23.5	0.5	76.9	50.3	3219	22	0.0
BU12-221_73a	g33c	0.5	0.601	0.012	0.077	0.002	0.96	13.1	0.3	0.058	0.001	0.04	474.5	9.4	475.3	9.4	477.9	7.0	517.2	33.8	2930	395	0.1
BU12-221_74a	g33m	1.0	0.633	0.012	0.080	0.001	0.93	12.6	0.2	0.058	0.001	-0.13	492.4	8.7	493.1	8.7	497.9	6.6	539.9	33.9	1377	39	0.0
BU12-221_75a	g34c	-0.6	0.654	0.014	0.083	0.002	0.81	12.0	0.3	0.057	0.001	0.00	515.5	10.6	515.2	10.6	512.2	8.2	498.1	39.3	347	422	1.2
BU12-221_76a	g34c	1.0	0.613	0.012	0.077	0.001	0.95	12.9	0.2	0.058	0.001	-0.19	480.0	8.6	480.7	8.6	485.3	6.6	522.6	33.9	1568	320	0.2
BU12-221_77a	g35c	0.6	0.641	0.015	0.081	0.002	0.67	12.4	0.2	0.058	0.001	-0.01	498.4	9.6	499.2	9.7	502.3	9.1	542.2	44.2	158	131	0.8
BU12-221_78a	g35r	0.1	0.650	0.013	0.082	0.002	0.99	12.2	0.2	0.058	0.001	-0.13	506.9	10.1	507.5	9.9	508.1	7.3	537.3	33.1	7920	225	0.0
BU12-221_79a	g36r	0.3	0.656	0.015	0.082	0.002	0.99	12.1	0.3	0.058	0.001	-0.22	509.9	11.4	510.2	11.1	511.6	8.7	542.6	33.3	5690	204	0.0
BU12-221_82a	g37r	-0.1	0.618	0.012	0.079	0.001	0.81	12.7	0.2	0.057	0.001	0.15	488.6	9.1	488.7	9.0	488.3	6.7	501.9	36.0	845	460	0.5
BU12-221_83a	g38c	0.5	0.637	0.012	0.080	0.002	0.98	12.5	0.2	0.058	0.001	0.16	497.6	9.3	497.9	9.3	500.2	6.8	517.2	33.4	3762	981	0.3
BU12-221_84a	g38r	0.5	0.632	0.015	0.080	0.002	0.90	12.5	0.3	0.058	0.001	-0.16	493.8	10.8	494.4	10.8	497.0	8.7	524.5	37.6	450	51	0.1
BU12-221_85a	g39r	0.2	0.657	0.014	0.083	0.002	0.89	12.1	0.2	0.058	0.001	0.02	511.0	10.2	511.2	9.9	512.4	7.7	514.2	36.3	1315	666	0.5
BU12-221_86a	g39c	0.5	0.640	0.012	0.081	0.001	0.93	12.4	0.2	0.058	0.001	0.13	499.6	9.2	499.8	9.1	502.2	6.7	513.4	34.1	1724	624	0.4
BU12-221_87a	g40c	0.3	0.655	0.017	0.083	0.002	0.67	12.1	0.3	0.058	0.001	0.07	510.5	11.0	511.1	11.1	512.6	10.2	543.3	47.3	112	71	0.6
BU12-221_89a	g41r	0.0	0.645	0.012	0.082	0.002	0.87	12.3	0.2	0.057	0.001	0.22	505.2	9.6	505.1	9.5	505.0	7.0	502.3	35.5	606	236	0.4
BU12-221_90a	g41c	0.4	0.669	0.020	0.084	0.002	0.73	12.0	0.3	0.058	0.001	-0.11	517.4	11.5	517.7	11.6	520.0	11.3	527.1	47.6	107	79	0.7
BU12-221_91a	g42r	0.1	0.650	0.013	0.082	0.002	0.83	12.2	0.2	0.058	0.001	0.07	507.9	9.5	508.0	9.5	508.6	7.3	519.2	36.8	750	180	0.2
BU12-221_92a	g42m	-0.9	0.640	0.014	0.082	0.002	0.67	12.2	0.2	0.057	0.001	-0.27	507.1	10.1	506.9	10.2	502.3	8.1	495.0	36.0	1107	884	0.8
BU12-221_93a	g42c	0.6	0.639	0.013	0.080	0.002	0.98	12.4	0.3	0.058	0.001	-0.04	498.1	10.0	498.6	10.0	501.6	7.6	521.8	33.3	5460	682	0.1
BU12-221_02b	g43c	-0.2	0.632	0.014	0.080	0.002	0.43	12.4	0.3	0.057	0.001	-0.11	498.3	6.1	498.3	10.5	497.5	8.4	500.4	44.9	1612	271	0.2
BU12-221_03b	g44r	0.0	0.645	0.015	0.082	0.002	0.82	12.3	0.3	0.058	0.001	-0.10	505.3	6.6	505.4	11.0	505.3	8.7	511.1	45.2	776	141	0.2
BU12-221_06b	g45c	0.3	0.638	0.016	0.081	0.002	0.71	12.4	0.3	0.057	0.001	-0.25	499.6	7.9	499.6	11.7	501.0	9.4	505.8	45.4	1190	174	0.1
BU12-221_08b	g46c	-0.7	0.636	0.016	0.081	0.002	0.51	12.3	0.3	0.057	0.001	-0.09	503.4	7.9	503.1	11.7	499.8	9.4	495.0	45.4	1307	161	0.1
BU12-221_09b	g46r	0.7	0.028	0.001	0.004	0.000	0.65	231.2	5.3	0.047	0.001	0.15	27.8	0.4	27.8	0.6	28.0	0.6	47.2	54.4	3394	14	0.0
BU12-221_10b	g47c	0.7	0.611	0.015	0.078	0.002	0.56	12.9	0.3	0.057	0.001	0.08	482.3	7.1	482.4	10.9	485.9	9.1	492.3	50.8	185	151	0.8
BU12-221_11b	g48r	-0.4	0.637	0.016	0.081	0.002	0.89	12.3	0.3	0.057	0.001	-0.15	502.9	7.9	502.6	11.8	500.4	9.5	490.0	47.0	353	134	0.4
BU12-221_12b	g48c	-0.2	0.665	0.016	0.084	0.002	0.96	11.9	0.3	0.057	0.001	0.14	518.3	8.4	518.3	12.3	517.3	9.6	508.9	44.8	1498	172	0.1
BU12-221_13b	g48r	0.5	0.638	0.016	0.080	0.002	0.49	12.4	0.3	0.057	0.001	-0.19	498.1	6.9	498.2	11.0	500.6	9.5	505.8	48.0	437	175	0.4
BU12-221_14b	g49c	0.3	0.652	0.017	0.082	0.002	0.56	12.2	0.3	0.058	0.001	-0.32	507.7	7.7	507.8	11.6	509.3	10.3	516.1	54.1	181	94	0.5
BU12-221_15b	g50r	-0.4	0.672	0.021	0.085	0.002	0.68	11.8	0.3	0.058	0.002	-0.17	524.1	9.0	523.8	12.7	521.7	12.5	526.0	57.9	107	39	0.4
BU12-221_16b	g50c	-0.3	0.644	0.015	0.082	0.002	0.54	12.3	0.3	0.057	0.001	-0.34	505.8	6.5	505.8	10.9	504.4	8.7	506.9	45.2	689	156	0.2
BU12-221_17b	g51c	0.2	0.639	0.015	0.081	0.002	0.26	12.4	0.3	0.058	0.001	0.18	500.7	7.0	500.9	11.1	501.8	8.8	511.1	45.8	725	217	0.3
BU12-221_18b	g51r	-0.2	0.632	0.017	0.081	0.002	0.68	12.4	0.3	0.057	0.001	-0.08	499.2	8.3	499.3	11.9	498.2	9.8	491.5	52.2	156	123	0.8
BU13-01b: Kyanite metapelite (UTM: 278623.9, 3049457.7)																							
BU13-01b_4	g1r	-2.1	0.026	0.001	0.004	0.000	0.40	240.8	5.2	0.046	0.001	-0.03	26.7	0.6	26.7	0.6	26.2	0.8	4.9	66.9	1221	4	0.0
BU13-01b_8	g2r	12.0	0.033	0.001	0.004	0.000	0.15	224.8	5.2	0.053	0.002	0.24	28.4	0.7	28.6	0.7	32.5	1.1	324.5	78.8	1058	5	0.0
BU13-01b_9	g3r	4.5	0.028	0.001	0.004	0.000	0.30	238.3	5.4	0.049	0.001	0.13	26.9	0.6	27.0	0.6	28.3	0.8	128.6	67.5	1276	4	0.0
BU13-01b_10	g4r	9.2	0.033	0.001	0.005	0.000	0.16	212.0	4.7	0.051	0.002	0.12	30.2	0.7	30.3	0.7	33.4	1.1	245.3	78.1	1248	4	0.0
BU13-01b_11	g5r	3.0	0.031	0.001	0.005	0.000	0.45	216.3	5.0	0.049	0.001	0.07	29.7	0.7	29.7	0.7	30.7	0.9	132.0	62.8	1452	3	0.0
BU13-01b_13	g6c	16.4	0.033	0.001	0.004	0.000	0.31	230.5	5.3	0.056	0.002	-0.06	27.6	0.6	27.9	0.6	33.4	1.2	448.4	77.6	768	5	0.0
BU13-01b_14	g6r	25.7	0.035	0.002	0.004	0.000	0.37	245.2	6.0	0.063	0.003	0.00	25.7	0.6	26.2	0.6	35.3	1.6	711.6	97.3	1398	8	0.0
BU13-01b_15	g7r	11.3	0.025	0.001	0.003	0.000	0.14	287.9	6.8	0.053	0.003	0.10	22.2	0.5	22.4	0.5	25.2	1.3	307.3	121.7	356	0	0.0
BU13-01b_17	g8r	14.7	0.537	0.021	0.059	0.002	0.65	16.8	0.5	0.065	0.002	0.15	366.9	10.4	372.1	10.4	436.0	14.0	771.1	61.9	250	188	0.7
BU13-01b_18	g9r	7.9	0.030	0.001	0.004	0.000	0.23	235.3	5.3	0.051	0.002	0.04	27.2	0.6	27.3	0.6	29.7	0.9	249.8	74.4	1410	6	0.0
BU13-04b: Kyanite metapelite (UTM: 274043.6, 3057335.3)																							

BU13-04b_02	g1c	0.1	1.279	0.029	0.138	0.003	0.77	7.2	0.2	0.067	0.001	0.23	835.3	18.9	835.2	18.7	836.3	17.7	844.0	44.5	430	461	1.1
BU13-04b_04	g2c	3.6	1.220	0.034	0.129	0.003	0.67	7.8	0.2	0.068	0.002	0.21	777.6	19.9	780.0	19.7	809.0	19.6	871.3	50.2	98	94	1.0
BU13-04b_06	g3c	0.8	1.648	0.041	0.164	0.004	0.76	6.1	0.1	0.072	0.002	0.01	980.8	22.0	980.9	21.8	988.3	21.7	988.8	44.4	270	62	0.2
BU13-04b_07	g3c	5.4	1.406	0.033	0.140	0.003	0.84	7.2	0.2	0.073	0.002	0.03	837.1	18.6	843.2	18.6	891.3	19.2	1019.8	42.5	562	347	0.6
BU13-04b_08	g4r	18.3	0.032	0.001	0.004	0.000	0.21	245.2	5.4	0.058	0.002	0.06	25.9	0.6	26.2	0.6	32.1	1.3	518.4	87.8	922	6	0.0
BU13-04b_09	g4c	23.4	0.045	0.002	0.005	0.000	0.41	189.4	4.6	0.062	0.003	-0.15	33.3	0.8	34.0	0.8	44.3	2.5	667.2	115.6	383	12	0.0
BU13-04b_13	g5c	6.8	8.810	0.213	0.398	0.009	0.97	2.5	0.1	0.162	0.003	0.06	2073.1	50.5	2160.0	49.4	2318.0	48.1	2472.2	34.1	531	570	1.1
BU13-04b_19	g6m	37.5	0.056	0.003	0.005	0.000	0.06	184.8	5.3	0.076	0.005	0.28	33.5	1.0	34.8	1.0	55.6	3.3	1089.8	123.0	228	3	0.0
BU13-04b_20	g6r	21.1	0.028	0.001	0.003	0.000	0.42	289.0	7.5	0.060	0.002	0.20	21.9	0.6	22.3	0.6	28.2	1.0	592.7	72.5	1398	9	0.0
BU13-04b_29	g7r	1.2	0.021	0.001	0.003	0.000	0.54	311.1	6.9	0.047	0.001	0.05	20.7	0.5	20.7	0.5	20.9	0.5	57.8	58.8	5300	67	0.0
BU13-04b_30	g7c	9.9	0.787	0.022	0.086	0.002	0.72	11.6	0.3	0.066	0.002	0.19	525.9	12.4	531.0	12.6	589.4	14.7	807.0	49.4	442	46	0.1
BU13-04b_42	g8c	-1.1	1.223	0.030	0.136	0.003	0.63	7.4	0.2	0.065	0.001	0.03	820.5	18.1	819.1	18.0	810.5	17.9	776.6	47.8	178	212	1.2
BU13-04b_44	g9r	8.5	0.031	0.001	0.004	0.000	0.28	228.3	5.1	0.050	0.002	0.01	28.1	0.6	28.2	0.6	30.8	1.2	204.3	91.3	936	2	0.0
BU13-04b_45	g10r	4.1	1.109	0.024	0.119	0.003	0.87	8.4	0.2	0.067	0.001	0.18	724.0	15.9	726.8	15.8	758.2	15.9	837.2	42.7	732	68	0.1
BU13-04b_49	g11c	2.8	1.638	0.038	0.160	0.004	0.87	6.2	0.1	0.074	0.002	-0.03	953.9	21.2	957.0	21.2	984.5	21.1	1036.6	42.2	821	152	0.2
BU13-04b_50	g12r	22.2	0.030	0.001	0.004	0.000	0.43	278.2	7.0	0.060	0.003	-0.11	22.7	0.6	23.1	0.6	29.7	1.4	592.7	94.1	982	6	0.0
BU13-04b_51	g12c	1.5	1.221	0.029	0.132	0.003	0.82	7.6	0.2	0.068	0.001	-0.11	795.7	17.2	797.4	17.2	809.7	17.5	855.4	44.0	396	525	1.3
BU13-04b_52	g13r	10.4	0.034	0.002	0.005	0.000	0.03	212.4	5.0	0.052	0.003	0.20	30.1	0.7	30.3	0.7	33.8	1.9	298.6	134.5	335	2	0.0
BU13-04b_57	g14c	5.7	5.890	0.134	0.332	0.007	0.92	3.0	0.1	0.130	0.003	0.00	1805.1	40.8	1848.0	40.7	1959.0	40.3	2092.4	36.2	164	80	0.5
BU13-04b_58	g15c	6.3	1.041	0.026	0.111	0.003	0.92	9.0	0.2	0.069	0.001	0.07	673.7	16.5	679.4	16.5	725.2	16.6	903.5	42.8	696	256	0.4
BU13-18b: Schist of the Naspe formation (UTM: 275472.4, 3064751.8)																							
BU13-18b_61a	g1c	11.2	1.204	0.036	0.117	0.003	0.88	8.6	0.2	0.073	0.002	-0.20	701.7	19.1	711.0	19.3	801.0	20.6	1025.3	46.6	318	99	0.3
BU13-18b_01b	g2r	8.7	0.036	0.001	0.005	0.000	0.43	194.3	4.4	0.051	0.001	0.07	32.9	0.7	33.1	0.7	36.3	1.0	240.4	59.2	1222	6	0.0
BU13-18b_05b	g3c	6.0	0.658	0.022	0.078	0.002	0.82	12.9	0.3	0.061	0.001	-0.29	479.8	12.4	482.4	12.3	512.9	13.4	641.4	51.4	560	88	0.2
BU13-18b_15b	g4c	12.0	9.600	0.278	0.387	0.009	0.98	2.6	0.1	0.180	0.004	-0.11	1955.7	49.5	2108.0	49.0	2396.0	49.9	2650.6	33.5	570	34	0.1
BU13-18b_22b	g5r	5.5	0.497	0.015	0.062	0.002	0.93	16.2	0.4	0.059	0.001	-0.05	384.3	10.2	386.8	10.2	409.4	10.2	566.0	46.9	601	173	0.3
BU13-18b_24b	g6c	-0.2	0.791	0.023	0.096	0.002	0.58	10.4	0.3	0.060	0.001	0.30	591.6	14.2	592.2	14.0	591.2	13.6	586.9	51.3	80	56	0.7
BU13-18b_28b	g7m	0.7	0.701	0.022	0.087	0.002	0.69	11.6	0.3	0.059	0.001	0.06	534.4	13.6	535.0	13.4	538.9	13.6	554.5	52.8	207	10	0.0
BU13-18b_29b	g8c	4.9	0.721	0.024	0.085	0.003	0.68	11.8	0.4	0.062	0.002	0.28	522.2	16.9	524.0	16.7	551.0	14.7	663.7	64.8	196	6	0.0
BU13-18b_30b	g9c	2.3	0.761	0.021	0.091	0.002	0.92	11.0	0.3	0.060	0.001	-0.03	560.4	13.0	561.2	13.1	574.1	13.0	615.1	44.3	711	83	0.1
BU13-18b_32b	g10c	2.9	0.256	0.007	0.035	0.001	0.42	28.2	0.6	0.053	0.001	0.24	223.9	5.0	224.4	5.0	231.1	5.4	309.4	51.6	541	418	0.8
BU13-23d: Foliation-parallel leucosome (UTM: 276218.1, 3066099.1)																							
BU12-23d_01a	g1c	1.7	0.625	0.015	0.078	0.002	0.97	12.8	0.3	0.058	0.001	-0.07	484.0	11.2	484.7	11.1	492.9	11.0	530.5	44.2	1349	130	0.1
BU12-23d_04a	g2r	2.2	0.029	0.001	0.004	0.000	0.77	228.9	5.7	0.048	0.001	0.05	28.1	0.7	28.1	0.7	28.7	0.8	82.4	54.6	1409	18	0.0
BU12-23d_06a	g3r	3.1	0.024	0.001	0.004	0.000	0.83	280.0	6.4	0.048	0.001	0.07	22.9	0.5	23.0	0.5	23.7	0.6	75.4	50.0	6400	108	0.0
BU12-23d_07a	g4c	1.4	0.641	0.015	0.080	0.002	0.90	12.5	0.3	0.058	0.001	0.07	495.8	10.9	496.2	10.9	503.0	11.0	527.1	45.3	224	162	0.7
BU12-23d_08a	g5c	0.7	0.662	0.016	0.083	0.002	0.96	12.1	0.3	0.058	0.001	-0.02	512.2	11.9	512.4	11.9	516.0	11.5	514.2	44.5	542	412	0.8
BU12-23d_09a	g5c	1.4	0.625	0.014	0.078	0.002	0.97	12.8	0.3	0.058	0.001	0.18	485.0	11.0	485.4	10.9	492.5	10.6	518.0	44.4	588	322	0.5
BU12-23d_12a	g6c	0.2	4.151	0.098	0.293	0.007	0.98	3.4	0.1	0.102	0.002	-0.04	1656.0	38.8	1659.0	37.3	1663.0	34.7	1665.4	37.4	254	117	0.5
BU12-23d_14a	g7r	0.5	0.642	0.015	0.081	0.002	0.88	12.4	0.3	0.057	0.001	0.09	501.0	11.4	501.1	11.3	503.5	11.1	508.5	45.6	178	122	0.7
BU12-23d_15a	g7c	0.6	0.026	0.001	0.004	0.000	0.66	246.8	7.2	0.047	0.001	0.01	26.1	0.8	26.1	0.8	26.2	0.9	44.1	73.7	727	13	0.0
BU12-23d_17a	g8c	-0.5	0.670	0.015	0.084	0.002	0.89	11.8	0.3	0.058	0.001	0.11	523.1	11.7	522.8	11.7	520.4	11.3	511.9	45.3	282	108	0.4
BU12-23d_19a	g9r	1.9	0.024	0.001	0.004	0.000	0.88	275.4	6.3	0.047	0.001	0.04	23.3	0.5	23.4	0.5	23.8	0.6	64.4	49.3	6380	94	0.0
BU12-23d_20a	g10r	1.3	0.024	0.001	0.004	0.000	0.93	272.0	6.5	0.047	0.001	0.06	23.6	0.6	23.7	0.6	24.0	0.6	59.4	49.9	7622	127	0.0
BU13-23d_01b	g11r	-1.1	0.024	0.001	0.004	0.000	0.45	269.7	10.0	0.047	0.001	0.07	23.8	0.9	23.9	0.8	23.6	0.7	47.2	68.3	1385	3	0.0
BU13-23d_02b	g12c	1.9	0.654	0.020	0.081	0.003	0.76	12.4	0.5	0.058	0.001	0.05	500.4	18.7	500.5	16.3	510.2	12.4	529.0	51.6	181	190	1.0
BU13-23d_04b	g13c	0.6	0.635	0.018	0.080	0.003	0.70	12.5	0.5	0.057	0.001	0.15	495.6	18.3	495.6	15.9	498.6	11.4	496.9	48.9	253	400	1.6
BU13-23d_05b	g14c	0.0	0.656	0.020	0.083	0.003	0.72	12.1	0.4	0.057	0.001	0.00	513.3	18.9	513.0	16.4	513.0	12.1	493.9	49.8	180	174	1.0
BU13-23d_07b	g15c	-0.8	0.636	0.020	0.081	0.003	0.71	12.3	0.5	0.057	0.001	0.10	505.0	19.6	504.4	17.3	500.2	12.7	475.2	54.4	122	146	1.2
BU13-23d_08b	g16c	0.2	0.638	0.019	0.081	0.003	0.72	12.4	0.5	0.057	0.001	-0.06	499.6	18.7	499.6	16.4	500.4	12.2	507.3	54.5	132	240	1.8
BU13-23d_10b	g17c	0.4	0.616	0.017	0.078	0.003	0.80	12.8	0.5	0.057	0.001	0.12	485.1	17.8	485.2	15.5	487.3	10.9	494.6	46.3	479	69	0.1
BU13-23d_11b	g17c	0.8	0.627	0.018	0.079	0.003	0.86	12.7	0.5	0.057	0.001	0.13	489.0	18.4	489.5	16.1	493.6	11.5	487.3	47.5	376	603	1.6

BU13-23d_13b	g18c	-1.6	0.639	0.022	0.082	0.003	0.94	12.2	0.5	0.057	0.001	0.04	509.3	21.2	509.0	18.8	501.1	13.6	503.1	46.1	1368	1814	1.3
BU13-23d_14b	g18r	6.3	0.028	0.002	0.004	0.000	0.14	243.4	9.8	0.050	0.004	0.19	26.3	1.1	26.4	1.0	28.2	2.0	176.3	166.5	177	2	0.0
BU13-23d_15b	g19r	1.7	0.676	0.021	0.083	0.003	0.88	12.0	0.5	0.058	0.001	-0.04	515.7	20.5	515.8	18.1	524.9	13.0	518.8	48.0	307	160	0.5
BU13-23d_16b	g19r	-3.4	0.023	0.001	0.004	0.000	0.20	267.0	11.7	0.047	0.003	0.35	24.1	1.1	24.1	1.0	23.3	1.3	28.8	151.8	490	2	0.0
BU13-23d_19b	g19c	0.2	0.657	0.023	0.083	0.003	0.66	12.1	0.5	0.057	0.002	0.09	511.3	19.8	510.8	17.5	512.0	14.3	495.4	61.2	87	144	1.6
BU13-23d_21b	g20c	-0.2	0.668	0.019	0.084	0.003	0.93	11.9	0.5	0.058	0.001	0.03	520.0	19.8	519.7	17.3	518.9	12.1	516.9	45.1	1212	673	0.6
BU13-23d_22b	g20r	0.0	0.635	0.019	0.081	0.003	0.86	12.4	0.5	0.058	0.001	0.07	499.4	19.2	500.5	17.0	500.5	12.3	518.4	49.0	354	140	0.4
BU13-23d_23b	g20c	0.1	0.653	0.022	0.082	0.003	0.71	12.2	0.5	0.058	0.001	0.10	508.7	19.5	510.0	17.2	510.7	13.3	541.4	55.7	138	191	1.4
BU13-23d_24b	g20r	-0.4	0.637	0.021	0.081	0.003	0.71	12.3	0.5	0.058	0.001	0.08	502.9	19.5	503.1	17.1	500.9	12.9	526.7	54.8	182	202	1.1
BU13-23d_27b	g21c	-0.4	0.645	0.020	0.082	0.003	0.75	12.2	0.5	0.058	0.001	0.08	507.2	19.4	507.1	17.0	504.9	12.4	522.6	50.5	141	181	1.3
BU13-23d_29b	g22c	-0.7	0.664	0.021	0.084	0.003	0.87	11.9	0.5	0.057	0.001	0.13	521.5	20.4	521.0	18.0	517.2	13.2	500.4	49.0	382	385	1.0
BU13-23d_30b	g22r	8.8	0.022	0.001	0.003	0.000	0.46	320.3	12.6	0.050	0.002	-0.03	20.0	0.8	20.1	0.7	22.0	1.1	195.0	99.8	1052	13	0.0
BU13-23d_31b	g23c	-0.6	0.646	0.020	0.082	0.003	0.83	12.2	0.5	0.057	0.001	0.01	508.1	19.5	508.2	17.1	505.4	12.6	507.3	48.8	285	399	1.4
BU13-23d_33b	g24c	-1.5	0.636	0.021	0.082	0.003	0.71	12.2	0.5	0.057	0.001	-0.01	508.4	19.7	508.1	17.3	500.8	13.3	484.2	54.5	130	233	1.8
BU13-23d_36b	g25r	1.5	0.025	0.001	0.004	0.000	0.27	265.7	10.1	0.047	0.002	0.16	24.2	0.9	24.2	0.8	24.6	1.1	59.4	107.1	622	2	0.0
BU13-23d_37b	g25c	2.4	0.020	0.001	0.003	0.000	0.41	320.7	12.2	0.047	0.002	0.14	20.0	0.8	20.1	0.7	20.6	0.7	64.4	76.9	1207	8	0.0
BU13-23d_39b	g26r	0.6	0.022	0.001	0.003	0.000	0.61	288.1	11.1	0.047	0.001	0.07	22.3	0.9	22.3	0.8	22.5	0.7	44.1	68.0	1650	14	0.0
BU13-23d_40b	g26r	1.0	0.019	0.001	0.003	0.000	0.48	339.6	12.6	0.047	0.001	-0.02	18.9	0.7	19.0	0.6	19.2	0.6	49.2	69.7	1666	18	0.0
BU13-23d_41b	g26c	-1.2	0.640	0.018	0.082	0.003	0.72	12.2	0.4	0.057	0.001	0.09	509.7	18.6	509.3	16.2	503.3	11.2	487.3	48.1	319	310	1.0
BU13-23d_42b	g26c	1.7	0.647	0.020	0.080	0.003	0.77	12.5	0.5	0.058	0.001	0.04	497.2	18.9	497.9	16.5	506.6	12.0	539.6	49.7	203	302	1.5
BU13-23d_43b	g27c	0.0	0.628	0.022	0.080	0.003	0.46	12.5	0.5	0.057	0.002	0.10	494.9	18.4	494.6	16.0	494.6	13.6	495.4	63.9	89	70	0.8
BU13-23d_44b	g27r	2.4	0.023	0.001	0.003	0.000	0.53	289.1	10.6	0.047	0.001	-0.05	22.2	0.8	22.3	0.7	22.8	0.6	67.4	63.3	1971	29	0.0
BU13-23d_46b	g28c	1.1	0.617	0.018	0.078	0.003	0.88	12.9	0.5	0.058	0.001	0.06	481.4	17.9	481.9	15.6	487.4	11.1	516.9	45.8	685	60	0.1
BU13-23d_01c	g28r	4.0	0.024	0.001	0.004	0.000	0.57	274.0	6.1	0.048	0.001	0.01	23.4	0.5	23.5	0.5	24.5	0.6	114.0	59.4	5040	94	0.0
BU13-23d_02c	g30r	-0.5	0.022	0.001	0.003	0.000	0.70	286.1	7.0	0.047	0.001	0.04	22.5	0.5	22.5	0.5	22.4	0.6	30.8	55.1	5080	92	0.0
BU13-23d_03c	g31m	2.8	0.622	0.016	0.077	0.002	0.93	13.0	0.3	0.059	0.001	-0.05	476.6	10.1	477.8	10.1	491.5	10.3	561.2	44.0	2093	3269	1.6
BU13-23d_04c	g32r	7.0	0.023	0.001	0.003	0.000	0.68	295.8	6.4	0.050	0.001	0.04	21.7	0.5	21.8	0.5	23.4	0.6	210.7	50.2	9130	171	0.0
BU13-23d_07c	g33r	5.1	0.024	0.001	0.004	0.000	0.72	279.1	6.7	0.050	0.001	-0.15	22.9	0.6	23.1	0.6	24.3	0.7	203.3	57.4	5420	90	0.0
BU13-23d_09c	g34r	6.7	0.025	0.001	0.004	0.000	0.63	276.2	6.6	0.051	0.001	-0.13	23.2	0.6	23.3	0.6	25.0	0.7	236.8	60.1	7220	167	0.0
BU13-23d_10c	g35r	5.3	0.025	0.001	0.004	0.000	0.57	272.0	6.6	0.050	0.001	0.12	23.5	0.6	23.7	0.6	25.0	0.7	199.2	54.4	6970	108	0.0
BU13-23d_12c	g36r	5.8	0.026	0.001	0.004	0.000	0.76	265.1	5.9	0.050	0.001	-0.07	24.2	0.5	24.3	0.5	25.8	0.6	208.4	51.0	7130	157	0.0
BU13-23d_13c	g37c	-1.4	0.640	0.021	0.082	0.002	0.91	12.2	0.3	0.058	0.001	-0.03	508.5	14.0	508.7	13.8	501.8	12.7	518.8	48.3	428	197	0.5
BU13-23d_14c	g38r	-0.1	0.023	0.001	0.004	0.000	0.65	272.6	6.1	0.047	0.001	0.21	23.6	0.5	23.6	0.5	23.6	0.5	67.9	51.7	8290	217	0.0
BU13-23d_17c	g39r	5.1	0.026	0.001	0.004	0.000	0.63	259.6	7.7	0.050	0.002	-0.16	24.7	0.7	24.8	0.7	26.1	1.1	176.3	76.9	2730	47	0.0
BU13-23d_18c	g39c	-1.0	0.031	0.001	0.005	0.000	0.59	206.5	4.5	0.047	0.001	-0.13	31.1	0.7	31.2	0.7	30.8	0.8	44.1	58.5	1829	12	0.0
BU13-23d_19c	g40r	3.1	0.027	0.001	0.004	0.000	0.52	247.8	6.6	0.049	0.002	-0.03	25.9	0.7	26.0	0.7	26.8	1.1	138.2	90.2	1011	3	0.0
BU13-23d_21c	g41r	8.1	0.027	0.001	0.004	0.000	0.34	259.1	6.0	0.051	0.002	0.11	24.7	0.6	24.8	0.6	27.0	0.8	231.8	71.5	1366	4	0.0
BU13-23d_01d	g42c	0.7	0.650	0.015	0.081	0.002	0.95	12.3	0.3	0.058	0.001	0.03	504.1	11.5	504.3	11.5	507.9	11.2	517.6	44.6	899	169	0.2
BU13-23d_02d	g42c	0.2	0.654	0.017	0.082	0.002	0.93	12.1	0.3	0.058	0.001	-0.01	510.4	12.9	510.6	12.9	511.4	12.3	510.8	45.6	449	67	0.1
BU13-23d_03d	g43c	0.6	0.661	0.015	0.083	0.002	0.95	12.1	0.3	0.058	0.001	-0.07	512.6	11.8	512.7	11.7	515.8	11.4	519.5	44.7	871	615	0.7
BU13-23d_04d	g43c	-0.2	0.646	0.015	0.082	0.002	0.95	12.2	0.3	0.058	0.001	-0.18	506.2	11.3	506.9	11.3	505.8	11.1	514.6	44.9	638	491	0.8
BU13-23d_06d	g44r	0.1	0.014	0.000	0.002	0.000	0.98	459.6	11.7	0.047	0.001	-0.15	14.0	0.4	14.0	0.4	14.0	0.4	41.6	48.6	78500	3955	0.1
BU13-23d_10d	g45c	-0.3	0.627	0.016	0.080	0.002	0.84	12.5	0.3	0.057	0.001	0.04	497.0	12.3	496.4	12.1	494.9	11.7	481.8	47.7	203	128	0.6
BU13-23d_12d	g46r	0.8	0.023	0.001	0.004	0.000	0.88	283.6	6.9	0.047	0.001	-0.06	22.7	0.6	22.7	0.5	22.9	0.6	58.9	50.7	6051	109	0.0
BU13-23d_13d	g46r	1.2	0.023	0.001	0.004	0.000	0.91	278.2	7.0	0.047	0.001	-0.04	23.1	0.6	23.1	0.6	23.4	0.6	56.3	49.9	8830	161	0.0
BU13-23d_16d	g47r	1.4	0.024	0.001	0.004	0.000	0.93	273.5	6.7	0.047	0.001	-0.19	23.5	0.6	23.5	0.6	23.9	0.6	61.4	50.2	7640	191	0.0
BU13-23d_17d	g48c	0.2	0.651	0.015	0.082	0.002	0.88	12.2	0.3	0.058	0.001	-0.02	507.7	11.6	507.9	11.6	508.8	11.3	522.6	45.5	322	246	0.8
BU13-23d_18d	g49r	1.7	0.022	0.001	0.003	0.000	0.69	299.4	7.0	0.047	0.001	-0.01	21.5	0.5	21.5	0.5	21.9	0.6	65.9	56.4	2184	22	0.0
BU13-23d_20d	g50c	0.6	0.632	0.015	0.080	0.002	0.94	12.5	0.3	0.058	0.001	0.07	494.2	11.3	494.4	11.3	497.5	11.0	511.5	44.8	548	128	0.2
BU13-37b: Foliation-parallel pegmatitic leucosome (UTM: 275898.5, 3071352.3)																							
BU13-37b_01a	g1r	1.4	0.024	0.001	0.004	0.000	0.85	276.1	10.2	0.047	0.001	-0.11	23.3	0.9	23.3	0.8	23.6	0.6	49.7	50.8	9400	148	0.0
BU13-37b_02a	g1r	5.0	0.023	0.001	0.003	0.000	0.79	292.1	11.1	0.048	0.001	-0.17	22.0	0.8	22.0	0.7	23.2	0.7	79.9	58.4	6530	119	0.0

BU13-37b_05a	g2r	3.5	0.022	0.001	0.003	0.000	0.77	298.7	11.1	0.048	0.001	0.14	21.5	0.8	21.6	0.7	22.3	0.6	85.4	52.4	9670	186	0.0
BU13-37b_06a	g3r	1.9	0.022	0.001	0.003	0.000	0.82	295.2	10.9	0.047	0.001	-0.07	21.8	0.8	21.8	0.7	22.2	0.5	67.9	50.6	11630	170	0.0
BU13-37b_07a	g3r	3.2	0.022	0.001	0.003	0.000	0.86	299.0	11.3	0.048	0.001	-0.02	21.5	0.8	21.5	0.7	22.2	0.6	112.5	52.1	7050	88	0.0
BU13-37b_09a	g4r	1.7	0.024	0.001	0.004	0.000	0.62	271.0	10.6	0.048	0.001	0.03	23.7	0.9	23.7	0.8	24.2	0.7	110.1	63.9	2056	28	0.0
BU13-37b_13a	g5r	4.3	0.024	0.001	0.004	0.000	0.76	283.6	11.2	0.049	0.001	0.29	22.6	0.9	22.7	0.8	23.7	0.8	131.0	64.1	7700	21	0.0
BU13-37b_14a	g6r	0.9	0.024	0.001	0.004	0.000	0.76	268.8	10.2	0.048	0.001	0.10	23.9	0.9	23.9	0.8	24.2	0.7	104.2	53.7	6590	124	0.0
BU13-37b_17a	g7r	3.4	0.025	0.001	0.004	0.000	0.77	269.8	10.5	0.048	0.001	-0.05	23.8	0.9	23.8	0.8	24.7	0.7	122.8	53.7	8660	212	0.0
BU13-37b_18a	g8c	1.7	0.653	0.020	0.081	0.003	0.84	12.4	0.5	0.059	0.001	-0.01	500.7	19.0	501.3	16.6	509.7	12.4	551.5	48.9	244	172	0.7
BU13-37b_19a	g9r	1.4	0.023	0.001	0.003	0.000	0.78	285.8	10.6	0.048	0.001	0.09	22.5	0.8	22.5	0.7	22.8	0.6	75.4	52.2	6250	89	0.0
BU13-37b_20a	g10c	2.9	0.026	0.001	0.004	0.000	0.87	250.1	9.3	0.048	0.001	0.02	25.7	1.0	25.7	0.8	26.5	0.6	87.9	50.2	12640	268	0.0
BU13-37b_01b	g11c	6.2	0.028	0.002	0.004	0.000	0.33	249.3	6.6	0.049	0.004	-0.10	25.7	0.7	25.8	0.7	27.5	2.2	138.2	184.2	134	0	0.0
BU13-37b_02b	g11r	1.2	0.022	0.001	0.003	0.000	0.21	299.7	7.4	0.047	0.002	0.27	21.5	0.5	21.5	0.5	21.7	0.7	28.8	82.3	852	8	0.0
BU13-37b_03b	g11r	1.4	0.021	0.001	0.003	0.000	0.13	314.1	7.3	0.047	0.002	0.30	20.5	0.5	20.5	0.5	20.8	0.7	23.6	82.5	1361	13	0.0
BU13-37b_04b	g12r	2.0	0.020	0.001	0.003	0.000	0.19	326.2	7.2	0.047	0.001	0.20	19.7	0.4	19.7	0.4	20.2	0.6	23.6	74.3	857	6	0.0
BU13-37b_05b	g13r	1.3	0.023	0.001	0.004	0.000	0.52	284.8	6.2	0.047	0.001	0.04	22.6	0.5	22.6	0.5	22.9	0.6	38.0	55.5	2016	13	0.0
BU13-37b_08b	g14c	0.5	0.605	0.014	0.077	0.002	0.71	13.0	0.3	0.056	0.001	0.03	478.2	10.6	478.0	10.6	480.4	10.7	471.7	48.1	124	199	1.6
BU13-37b_09b	g14r	1.8	0.023	0.001	0.004	0.000	0.32	277.2	5.9	0.047	0.001	0.00	23.2	0.5	23.2	0.5	23.6	0.8	64.4	73.0	540	5	0.0
BU13-37b_11b	g15m	3.1	0.024	0.001	0.004	0.000	0.34	273.4	6.8	0.048	0.002	-0.01	23.5	0.6	23.5	0.6	24.3	1.1	84.4	105.7	426	0	0.0
BU13-37b_13b	g16c	0.8	0.636	0.015	0.080	0.002	0.71	12.5	0.3	0.058	0.001	0.14	495.0	10.9	495.4	10.8	499.4	11.0	526.0	47.0	151	170	1.1
BU13-37b_14b	g17m	1.1	0.025	0.002	0.004	0.000	0.52	261.3	8.2	0.048	0.004	-0.31	24.6	0.8	24.6	0.8	24.9	2.3	74.4	191.1	165	0	0.0
BU13-37b_15b	g17r	2.3	0.023	0.001	0.004	0.000	0.32	284.9	6.5	0.047	0.002	0.08	22.6	0.5	22.6	0.5	23.1	0.8	54.3	81.3	752	0	0.0
BU13-37b_16b	g17c	2.8	0.578	0.014	0.072	0.002	0.76	13.8	0.3	0.058	0.001	0.07	449.0	10.3	450.1	10.3	463.2	10.8	523.7	48.4	405	46	0.1
BU13-37b_17b	g18r	0.8	0.022	0.001	0.003	0.000	0.40	295.4	6.4	0.047	0.001	0.02	21.8	0.5	21.8	0.5	22.0	0.6	33.9	64.8	1462	13	0.0
BU13-37b_18b	g18c	0.6	0.623	0.014	0.079	0.002	0.92	12.7	0.3	0.058	0.001	0.16	487.4	10.7	488.2	10.7	491.3	10.5	511.1	44.8	808	340	0.4
BU13-37b_20b	g19m	5.6	0.026	0.001	0.004	0.000	0.27	260.0	6.1	0.050	0.002	0.03	24.6	0.6	24.8	0.6	26.2	1.1	204.3	95.3	283	2	0.0
BU13-37b_21b	g19c	2.1	0.021	0.001	0.003	0.000	0.36	305.3	7.5	0.047	0.002	0.21	21.1	0.5	21.1	0.5	21.5	0.8	69.4	80.8	1118	10	0.0
BU13-37b_23b	g20r	-0.5	0.023	0.001	0.004	0.000	0.15	272.3	6.2	0.047	0.002	0.25	23.6	0.5	23.6	0.5	23.5	0.8	28.8	82.3	592	3	0.0
BU13-37b_24b	g20r	1.9	0.022	0.001	0.003	0.000	0.58	297.4	6.8	0.048	0.001	0.03	21.6	0.5	21.6	0.5	22.1	0.6	81.9	60.7	2070	18	0.0
BU13-37b_26b	g21r	0.7	0.023	0.001	0.004	0.000	0.64	284.1	6.2	0.047	0.001	0.01	22.6	0.5	22.7	0.5	22.8	0.6	64.4	54.1	2771	23	0.0
BU13-37b_28b	g22c	0.2	0.644	0.015	0.081	0.002	0.79	12.3	0.3	0.057	0.001	0.11	503.3	11.3	503.4	11.2	504.5	11.1	510.4	46.5	210	160	0.8
BU13-37b_29b	g23r	2.8	0.022	0.001	0.003	0.000	0.66	293.5	6.6	0.048	0.001	0.08	21.9	0.5	21.9	0.5	22.6	0.6	81.9	54.3	2209	8	0.0
BU13-37b_30b	g23c	1.8	0.602	0.014	0.076	0.002	0.83	13.2	0.3	0.057	0.001	0.11	469.8	10.7	470.3	10.7	478.9	10.7	507.3	46.6	249	114	0.5
BU13-37b_31b	g24r	2.8	0.023	0.001	0.003	0.000	0.47	287.5	6.4	0.048	0.001	0.02	22.3	0.5	22.4	0.5	23.0	0.6	102.7	62.8	1065	12	0.0
BU13-37b_32b	g24c	1.9	0.608	0.014	0.076	0.002	0.96	13.1	0.3	0.058	0.001	0.11	472.6	10.7	473.3	10.7	482.4	10.4	519.5	44.4	1219	177	0.1
BU13-37b_33b	g25c	1.9	0.599	0.015	0.075	0.002	0.76	13.3	0.3	0.057	0.001	0.01	466.2	10.8	466.8	10.7	476.0	11.1	508.5	49.1	144	20	0.1
BU13-37b_34b	g25c	1.7	0.606	0.015	0.076	0.002	0.82	13.2	0.3	0.058	0.001	0.02	471.5	10.9	472.7	10.9	480.7	11.1	518.4	47.6	183	300	1.6
BU13-37b_35b	g26c	0.3	0.638	0.015	0.081	0.002	0.73	12.4	0.3	0.057	0.001	0.01	499.0	11.2	499.1	11.1	500.5	11.2	504.6	48.6	128	77	0.6
BU13-37b_36b	g26c	1.7	0.582	0.013	0.074	0.002	0.86	13.6	0.3	0.057	0.001	0.08	457.2	10.0	457.7	10.0	465.4	9.9	497.7	45.8	389	140	0.4
BU13-37b_38b	g27r	2.3	0.024	0.001	0.004	0.000	0.48	269.5	6.2	0.048	0.001	-0.05	23.8	0.5	23.9	0.5	24.4	0.8	89.4	68.6	735	4	0.0
BU13-37b_39b	g28c	1.7	0.598	0.015	0.075	0.002	0.63	13.3	0.3	0.058	0.001	0.06	467.2	10.2	468.0	10.2	476.0	11.0	518.8	51.5	93	56	0.6
BU13-37b_40b	g28m	3.0	0.022	0.001	0.003	0.000	0.37	297.2	6.7	0.048	0.001	0.17	21.6	0.5	21.7	0.5	22.3	0.6	90.4	64.1	1042	9	0.0
BU13-37b_41b	g28r	1.4	0.023	0.001	0.004	0.000	0.45	285.7	6.3	0.047	0.001	-0.03	22.5	0.5	22.5	0.5	22.9	0.7	57.8	64.5	930	9	0.0
BU13-37b_42b	g29c	-1.1	0.672	0.016	0.085	0.002	0.69	11.7	0.3	0.057	0.001	0.07	527.9	12.0	528.0	12.0	522.1	11.9	502.3	49.2	100	112	1.1
BU13-37b_44b	g30c	1.1	0.636	0.015	0.080	0.002	0.84	12.5	0.3	0.058	0.001	0.11	494.1	11.5	494.5	11.5	499.8	11.2	522.6	47.4	213	263	1.2
BU13-37b_45b	g30r	2.3	0.024	0.001	0.004	0.000	0.11	268.9	6.9	0.049	0.002	0.27	23.9	0.6	23.9	0.6	24.5	1.1	128.6	99.0	361	3	0.0
BU13-37b_01c	g31c	1.6	0.638	0.015	0.080	0.002	0.72	12.6	0.3	0.058	0.001	-0.07	493.1	10.7	493.7	10.7	501.5	11.1	528.3	47.2	158	328	2.1
BU13-37b_03c	g32r	2.4	0.018	0.000	0.003	0.000	0.68	358.6	8.1	0.047	0.001	0.08	17.9	0.4	18.0	0.4	18.4	0.5	68.9	54.3	3158	36	0.0
BU13-37b_04c	g32c	2.2	0.018	0.000	0.003	0.000	0.74	355.5	7.7	0.047	0.001	-0.08	18.1	0.4	18.1	0.4	18.5	0.4	62.4	51.4	5023	54	0.0
BU13-37b_05c	g32r	3.3	0.019	0.000	0.003	0.000	0.51	351.6	7.7	0.048	0.001	0.07	18.3	0.4	18.3	0.4	18.9	0.5	74.4	57.9	1894	18	0.0
BU13-37b_06c	g33c	4.2	0.023	0.001	0.003	0.000	0.54	289.4	7.0	0.048	0.001	0.06	22.2	0.5	22.2	0.5	23.2	0.7	115.5	62.8	1299	7	0.0
BU13-37b_07c	g33r	2.3	0.022	0.001	0.003	0.000	0.52	302.9	6.8	0.047	0.001	-0.07	21.2	0.5	21.3	0.5	21.8	0.6	62.9	65.8	1014	8	0.0
BU13-37b_08c	g33r	2.6	0.022	0.001	0.003	0.000	0.46	295.2	6.5	0.048	0.001	-0.04	21.8	0.5	21.8	0.5	22.4	0.6	74.4	62.5	1413	9	0.0

BU13-37b_09c	g34m	1.3	0.590	0.015	0.075	0.002	0.94	13.4	0.3	0.057	0.001	-0.03	464.0	11.8	464.6	11.8	470.5	11.2	489.2	46.4	520	347	0.7
BU13-37b_10c	g34c	2.1	0.564	0.014	0.072	0.002	0.93	14.0	0.4	0.057	0.001	0.00	444.4	11.1	445.2	11.0	454.9	10.8	500.4	45.7	499	302	0.6
BU13-37b_11c	g34m	0.5	0.649	0.016	0.081	0.002	0.80	12.3	0.3	0.057	0.001	0.01	504.8	11.4	504.8	11.4	507.5	11.5	508.1	48.0	149	65	0.4
BU13-37b_12c	g35c	3.7	0.026	0.001	0.004	0.000	0.38	260.3	6.3	0.048	0.001	0.23	24.7	0.6	24.7	0.6	25.7	0.7	102.2	64.8	835	5	0.0
BU13-37b_13c	g36r	2.5	0.024	0.001	0.004	0.000	0.21	278.1	6.4	0.048	0.002	0.18	23.1	0.5	23.1	0.5	23.7	0.8	84.4	84.3	449	1	0.0
BU13-37b_14c	g36c	1.2	0.650	0.018	0.081	0.002	0.68	12.4	0.3	0.058	0.001	0.01	501.1	12.0	501.4	12.0	507.5	12.6	527.1	52.4	54	44	0.8
BU13-37b_15c	g36r	8.1	0.028	0.002	0.004	0.000	0.09	247.3	6.4	0.052	0.004	0.15	25.8	0.7	26.0	0.7	28.3	1.9	285.4	156.3	113	1	0.0
BU13-37b_16c	g37r	1.9	0.023	0.001	0.003	0.000	0.44	286.0	6.4	0.047	0.002	-0.06	22.5	0.5	22.5	0.5	22.9	0.8	69.4	76.8	624	1	0.0
BU13-37b_17c	g37m	6.2	0.027	0.001	0.004	0.000	0.38	257.7	6.1	0.050	0.002	-0.03	24.9	0.6	25.0	0.6	26.6	1.1	195.0	91.7	265	0	0.0
BU13-37b_18c	g37c	0.4	0.623	0.015	0.079	0.002	0.93	12.7	0.3	0.057	0.001	0.00	489.3	11.4	489.4	11.4	491.2	11.0	504.6	45.0	549	211	0.4
BU13-37b_19c	g38r	2.1	0.024	0.002	0.004	0.000	0.25	270.6	7.4	0.048	0.004	0.05	23.7	0.7	23.8	0.6	24.3	1.9	94.3	179.4	221	0	0.0
BU13-37b_20c	g38c	0.1	0.626	0.014	0.080	0.002	0.72	12.6	0.3	0.058	0.001	0.15	492.8	10.9	493.1	10.8	493.4	10.8	516.5	47.4	150	257	1.7
BU13-37b_21c	g38c	-0.5	0.643	0.018	0.082	0.002	0.86	12.2	0.3	0.057	0.001	0.06	506.5	13.6	506.2	13.5	503.9	12.9	492.7	52.1	241	340	1.4
BU13-37b_24c	g39c	0.0	0.644	0.015	0.081	0.002	0.85	12.3	0.3	0.057	0.001	0.02	504.5	11.5	504.5	11.5	504.6	11.4	507.3	46.3	259	145	0.6
BU13-37b_25c	g39r	3.7	0.023	0.001	0.003	0.000	0.38	287.5	6.5	0.048	0.001	0.11	22.3	0.5	22.4	0.5	23.2	0.6	117.4	65.8	1143	9	0.0
BU13-37b_26c	g40c	0.9	0.597	0.016	0.076	0.002	0.76	13.2	0.3	0.057	0.001	0.02	470.3	11.1	470.8	11.1	475.0	11.5	508.1	49.8	162	111	0.7
BU13-37b_27c	g40c	1.6	0.602	0.014	0.076	0.002	0.81	13.2	0.3	0.058	0.001	-0.01	470.3	10.4	470.9	10.4	478.5	10.5	514.2	46.4	187	141	0.8
BU13-37b_28c	g40r	4.0	0.025	0.001	0.004	0.000	0.66	264.6	6.7	0.048	0.001	0.25	24.3	0.6	24.3	0.6	25.3	0.7	104.7	59.6	2120	34	0.0
BU13-37b_31c	g41r	1.5	0.024	0.001	0.004	0.000	0.39	275.0	6.6	0.047	0.002	0.03	23.4	0.6	23.4	0.6	23.8	0.9	44.1	81.7	393	2	0.0
BU13-37b_32c	g42r	1.1	0.023	0.001	0.004	0.000	0.80	283.4	6.6	0.047	0.001	0.07	22.7	0.5	22.7	0.5	23.0	0.6	61.4	52.6	3863	6	0.0
BU13-37b_33c	g43c	2.0	0.624	0.015	0.078	0.002	0.89	12.9	0.3	0.058	0.001	0.25	481.5	11.7	482.3	11.6	492.3	11.1	537.7	46.0	339	97	0.3
BU13-42b: Migmatitic gneiss (UTM: 275406.8, 3073052.0)																							
BU13-42b_01a	g1c	-0.3	0.616	0.017	0.079	0.002	0.95	12.7	0.3	0.057	0.001	-0.12	489.3	11.3	489.0	11.2	487.4	10.9	474.8	45.4	329	115	0.3
BU13-42b_02a	g1c	0.1	0.638	0.017	0.081	0.002	0.94	12.4	0.3	0.057	0.001	0.01	500.1	11.1	500.0	11.0	500.7	10.9	496.9	44.8	547	402	0.7
BU13-42b_03a	g2r	0.3	0.675	0.021	0.084	0.002	0.98	11.9	0.3	0.058	0.001	0.01	521.8	13.8	521.9	13.8	523.6	13.2	517.2	44.9	577	211	0.4
BU13-42b_04a	g3r	1.1	0.598	0.017	0.076	0.002	0.96	13.2	0.3	0.057	0.001	0.02	470.4	10.9	470.7	10.9	475.9	10.6	493.9	44.6	903	102	0.1
BU13-42b_05a	g4r	-0.6	0.642	0.018	0.082	0.002	0.94	12.2	0.3	0.057	0.001	0.03	506.3	11.7	505.9	11.6	503.1	11.1	484.9	45.1	474	386	0.8
BU13-42b_06a	g4r	1.0	0.604	0.018	0.076	0.002	0.92	13.1	0.3	0.057	0.001	-0.13	474.4	11.3	474.8	11.3	479.6	11.3	484.9	45.6	346	216	0.6
BU13-42b_07a	g5r	1.5	0.607	0.018	0.076	0.002	0.91	13.1	0.3	0.057	0.001	0.13	474.2	11.6	474.5	11.7	481.7	11.6	500.8	46.5	558	762	1.4
BU13-42b_08a	g5r	0.4	0.660	0.018	0.083	0.002	0.95	12.1	0.3	0.058	0.001	0.04	512.8	11.8	512.8	11.8	514.8	11.4	515.0	44.7	364	256	0.7
BU13-42b_10a	g6r	-0.6	0.647	0.018	0.082	0.002	0.96	12.2	0.3	0.057	0.001	0.01	509.6	11.4	509.3	11.4	506.5	11.0	496.6	44.5	797	1432	1.8
BU13-42b_12a	g7r	-0.4	0.645	0.019	0.082	0.002	0.93	12.2	0.3	0.057	0.001	-0.13	506.9	11.8	506.7	11.7	504.9	11.6	495.4	45.7	260	239	0.9
BU13-42b_13a	g7c	-0.5	0.660	0.019	0.084	0.002	0.93	12.0	0.3	0.057	0.001	-0.03	517.8	12.0	517.4	12.0	514.6	11.5	501.9	45.1	433	499	1.2
BU13-42b_14a	g7r	-1.2	0.672	0.018	0.085	0.002	0.90	11.7	0.3	0.057	0.001	0.04	528.5	11.6	528.1	11.5	521.8	11.2	509.2	45.0	348	405	1.2
BU13-42b_15a	g8r	1.3	0.598	0.017	0.076	0.002	0.95	13.2	0.3	0.058	0.001	0.38	469.2	12.3	469.7	12.0	475.9	11.0	511.9	45.1	874	161	0.2
BU13-42b_16a	g8c	0.0	0.629	0.019	0.080	0.002	0.90	12.5	0.3	0.058	0.001	-0.04	494.6	12.7	495.0	12.4	495.2	11.9	515.0	46.5	278	318	1.1
BU13-42b_18a	g9r	0.6	0.643	0.018	0.081	0.002	0.94	12.4	0.3	0.058	0.001	0.20	500.5	11.7	500.8	11.7	503.9	11.1	524.5	44.8	430	27	0.1
BU13-42b_19a	g9c	-0.6	0.678	0.019	0.085	0.002	0.92	11.7	0.3	0.058	0.001	-0.04	528.9	12.2	528.7	12.1	525.4	11.8	522.2	45.4	271	193	0.7
BU13-42b_20a	g9r	0.6	0.629	0.017	0.079	0.002	0.95	12.6	0.3	0.058	0.001	-0.05	491.9	11.1	492.2	11.1	495.2	10.9	518.8	44.6	468	291	0.6
BU13-42b_22a	g10c	1.5	0.621	0.017	0.078	0.002	0.91	12.8	0.3	0.058	0.001	-0.09	482.7	10.8	483.2	10.7	490.3	10.9	518.8	45.2	247	197	0.8
BU13-42b_25a	g11r	0.7	0.657	0.019	0.082	0.002	0.93	12.2	0.3	0.058	0.001	0.00	508.5	11.8	508.5	11.9	512.0	11.7	519.5	45.4	323	143	0.4
BU13-42b_26a	g11r	0.4	0.658	0.020	0.083	0.002	0.98	12.1	0.3	0.058	0.001	-0.14	511.0	13.7	511.2	13.4	513.2	12.7	514.6	44.6	830	157	0.2
BU13-42b_27a	g12c	1.9	0.583	0.016	0.074	0.002	0.97	13.6	0.3	0.057	0.001	0.03	457.0	10.0	457.6	10.0	466.3	10.0	501.2	44.4	1161	166	0.1
BU13-42b_29a	g13r	0.8	0.650	0.018	0.081	0.002	0.92	12.3	0.3	0.058	0.001	0.06	504.0	11.3	504.0	11.3	508.0	11.0	513.1	45.1	320	456	1.4
BU13-42b_30a	g13c	0.9	0.642	0.018	0.081	0.002	0.93	12.4	0.3	0.057	0.001	-0.16	499.5	11.4	499.4	11.4	504.1	11.5	498.5	45.4	323	477	1.5
BU13-42b_31a	g13r	0.8	0.642	0.019	0.081	0.002	0.96	12.4	0.3	0.058	0.001	0.08	499.9	12.4	500.1	12.2	504.2	11.6	522.2	44.6	634	1050	1.7
BU13-42b_32a	g14r	1.4	0.647	0.019	0.081	0.002	0.97	12.4	0.3	0.058	0.001	-0.05	498.7	12.0	499.0	12.1	506.3	11.6	526.4	44.6	677	952	1.4
BU13-42b_33a	g14c	0.7	0.657	0.018	0.082	0.002	0.96	12.2	0.3	0.057	0.001	0.11	509.8	11.8	509.7	11.8	513.4	11.4	510.4	44.5	566	733	1.3
BU13-42b_34a	g14r	1.1	0.627	0.017	0.079	0.002	0.96	12.7	0.3	0.057	0.001	0.23	488.9	10.8	489.0	10.7	494.3	10.5	503.1	44.3	1023	1304	1.3
BU13-42b_35a	g15c	0.5	0.633	0.017	0.080	0.002	0.96	12.5	0.3	0.057	0.001	-0.05	494.9	11.3	495.0	11.2	497.7	10.9	506.6	44.6	662	838	1.3
BU13-42b_37a	g16r	0.8	0.647	0.018	0.081	0.002	0.96	12.3	0.3	0.058	0.001	0.16	502.5	11.2	502.6	11.2	506.7	11.0	512.3	44.4	746	72	0.1
BU13-42b_38a	g16c	0.2	0.653	0.018	0.082	0.002	0.96	12.2	0.3	0.058	0.001	-0.01	509.2	11.4	509.2	11.3	510.3	11.1	512.3	44.4	653	42	0.1

BU13-42b_39a	g16r	0.6	0.673	0.019	0.084	0.002	0.96	11.9	0.3	0.058	0.001	0.11	519.3	11.9	519.3	11.8	522.3	11.5	521.4	44.5	524	571	1.1
BU13-42b_40a	g17r	0.5	0.631	0.018	0.080	0.002	0.95	12.6	0.3	0.057	0.001	-0.12	493.5	11.9	493.9	11.9	496.6	11.5	505.4	45.4	360	341	0.9
BU13-42b_42a	g18c	-0.1	0.658	0.020	0.083	0.002	0.96	12.1	0.3	0.058	0.001	-0.11	513.3	12.6	513.6	12.4	513.3	12.3	517.6	45.2	604	1106	1.8
BU13-42b_43a	g19c	-0.1	0.650	0.018	0.082	0.002	0.92	12.2	0.3	0.057	0.001	0.06	508.7	11.4	508.6	11.3	508.0	11.2	504.6	45.0	291	318	1.1
BU13-42b_44a	g19c	1.8	0.622	0.017	0.078	0.002	0.94	12.9	0.3	0.058	0.001	0.25	481.3	11.1	481.9	11.1	490.6	10.7	523.7	44.8	433	464	1.1
BU13-42b_45a	g20c	0.7	0.647	0.019	0.081	0.002	0.93	12.3	0.3	0.058	0.001	-0.07	503.7	11.8	503.9	11.7	507.5	11.7	513.1	45.1	238	254	1.1
BU13-42b_46a	g21r	1.5	0.623	0.017	0.078	0.002	0.97	12.8	0.3	0.058	0.001	0.03	483.4	11.0	483.9	11.0	491.4	10.8	521.1	44.4	1090	1577	1.4
BU13-42b_48a	g22r	1.0	0.662	0.018	0.083	0.002	0.77	12.1	0.3	0.058	0.001	0.03	511.0	11.4	511.2	11.3	516.2	11.5	524.1	46.9	137	78	0.6
BU13-42b_51a	g23c	0.3	0.653	0.019	0.082	0.002	0.95	12.2	0.3	0.058	0.001	0.03	508.4	12.2	508.7	12.2	510.0	11.8	524.5	44.9	451	337	0.7
BU13-42b_54b	g24c	1.6	0.618	0.015	0.078	0.002	0.74	12.9	0.3	0.058	0.001	0.02	481.5	11.2	482.1	11.1	489.9	11.3	520.3	48.8	284	225	0.8
BU13-42b_59b	g25c	0.7	0.650	0.015	0.081	0.002	0.79	12.3	0.3	0.058	0.001	-0.02	504.1	11.1	504.5	11.1	507.9	11.2	530.5	46.6	415	481	1.2

[1]Discordance (%) = [1-(206Pb/238U age)/(207Pb/235U age)]*100 (Möller, 2012)

BU12-195a_01	1.280	0.028	0.136	0.003	0.950	7.380
BU12-195a_02	1.262	0.026	0.131	0.003	0.931	7.632
BU12-195a_03	1.112	0.025	0.116	0.003	0.967	8.643
BU12-195a_04	1.235	0.027	0.129	0.003	0.975	7.764
BU12-195a_06	0.583	0.013	0.074	0.002	0.946	13.532
BU12-195a_07	1.242	0.030	0.134	0.003	0.803	7.446
BU12-195a_09	1.287	0.030	0.140	0.003	0.864	7.163
BU12-195a_10	0.013	0.000	0.002	0.000	0.593	496.524
BU12-195a_11	0.013	0.000	0.002	0.000	0.445	505.051
BU12-195a_12	0.627	0.015	0.078	0.002	0.945	12.784
BU12-195a_13	1.266	0.027	0.138	0.003	0.946	7.225
BU12-195a_15	1.244	0.027	0.136	0.003	0.904	7.363
BU12-195a_16	1.231	0.028	0.135	0.003	0.972	7.386
BU12-195a_17	0.014	0.000	0.002	0.000	0.393	463.392
BU12-195a_18	0.013	0.000	0.002	0.000	0.548	494.315
BU12-195a_19	1.259	0.027	0.138	0.003	0.737	7.226
BU12-195a_20	1.245	0.030	0.136	0.003	0.929	7.331
BU12-195a_21	1.259	0.027	0.138	0.003	0.903	7.273
BU12-195a_24	1.256	0.028	0.138	0.003	0.919	7.257
BU12-195a_25	1.260	0.027	0.138	0.003	0.883	7.262
BU12-195a_26	1.280	0.028	0.140	0.003	0.876	7.133
BU12-195a_27	1.242	0.027	0.136	0.003	0.884	7.369
BU12-195a_28	1.245	0.027	0.136	0.003	0.872	7.353
BU12-195a_29	0.963	0.021	0.110	0.002	0.937	9.058
BU12-195a_30	1.281	0.030	0.139	0.003	0.913	7.174
BU12-195a_31	1.222	0.029	0.133	0.003	0.971	7.502
BU12-195a_33	0.016	0.000	0.002	0.000	0.644	412.031
BU12-195a_34	0.555	0.013	0.071	0.002	0.938	14.039
BU12-195a_35	1.264	0.027	0.139	0.003	0.953	7.215
BU12-195a_37	1.245	0.028	0.137	0.003	0.973	7.315
BU12-195a_38	1.256	0.027	0.139	0.003	0.970	7.220
BU12-195a_40	0.015	0.000	0.002	0.000	0.460	437.828
BU12-195a_41	0.014	0.000	0.002	0.000	0.515	465.333
BU12-195a_42	1.250	0.027	0.137	0.003	0.940	7.315
BU12-195a_43	1.293	0.028	0.141	0.003	0.951	7.092
BU12-195a_44	1.296	0.029	0.141	0.003	0.921	7.112
BU12-195a_46	0.306	0.008	0.036	0.001	0.953	27.855
BU12-195a_47	0.014	0.000	0.002	0.000	0.493	476.417
BU12-195a_48	1.324	0.029	0.143	0.003	0.833	6.983
BU12-195a_50	1.353	0.030	0.146	0.003	0.956	6.840
BU12-195a_51	1.300	0.030	0.140	0.003	0.951	7.143
BU12-195a_52	1.350	0.032	0.146	0.003	0.813	6.849
BU12-195a_53	1.280	0.028	0.138	0.003	0.870	7.225
BU12-195a_54	1.366	0.033	0.147	0.003	0.871	6.817
BU12-195a_55	1.056	0.025	0.115	0.003	0.955	8.688
BU12-195a_56	1.074	0.025	0.120	0.003	0.971	8.333
BU12-195a_57	1.024	0.025	0.114	0.003	0.990	8.811
BU12-195a_58	1.362	0.034	0.149	0.004	0.961	6.720
BU12-195a_59	0.867	0.020	0.102	0.002	0.970	9.804

BU12-195a_60	0.637	0.014	0.078	0.002	0.972	12.814
BU12-195a_61	0.119	0.004	0.016	0.000	0.945	64.062
BU12-195a_62	0.014	0.000	0.002	0.000	0.480	461.681
BU12-195a_65	0.945	0.024	0.106	0.003	0.971	9.452
BU12-195a_66	1.305	0.028	0.141	0.003	0.964	7.107
BU12-195a_68	1.296	0.028	0.141	0.003	0.963	7.112
BU12-195a_69	0.604	0.013	0.078	0.002	0.940	12.863
BU12-195a_70	0.600	0.013	0.077	0.002	0.966	12.970
BU12-195a_71	1.217	0.028	0.133	0.003	0.919	7.496
BU12-195a_72	1.250	0.027	0.136	0.003	0.928	7.342
	1.251	0.027	0.136	0.003	0.966	7.337

0.161	0.068	0.001	-0.068	817.30	17.79	819.20
0.159	0.069	0.001	-0.008	790.01	16.42	793.70
0.188	0.069	0.001	-0.319	700.35	15.20	705.80
0.169	0.069	0.001	-0.125	776.85	16.82	781.10
0.295	0.057	0.001	-0.083	459.08	9.97	459.60
0.168	0.067	0.001	0.028	811.06	18.19	812.40
0.168	0.067	0.001	0.111	842.08	19.57	842.10
10.980	0.048	0.001	0.125	12.95	0.29	12.97
11.811	0.047	0.001	0.175	12.73	0.30	12.75
0.297	0.058	0.001	0.013	484.56	11.21	485.50
0.158	0.067	0.001	0.022	835.43	18.13	835.60
0.156	0.067	0.001	0.060	820.47	17.29	820.90
0.169	0.067	0.001	-0.053	818.21	18.58	820.10
9.884	0.046	0.001	0.030	13.90	0.30	13.89
10.544	0.047	0.001	0.134	13.01	0.28	13.03
0.153	0.066	0.001	0.135	836.02	17.65	835.50
0.167	0.067	0.001	-0.177	823.95	18.68	823.90
0.155	0.067	0.001	0.026	830.31	17.61	830.70
0.160	0.067	0.001	-0.008	832.46	18.31	832.40
0.155	0.067	0.001	-0.080	831.44	17.63	832.40
0.153	0.067	0.001	-0.082	846.36	18.11	845.80
0.157	0.067	0.001	0.014	819.78	17.41	820.00
0.159	0.067	0.001	0.067	821.76	17.66	821.70
0.199	0.064	0.001	0.244	673.65	14.72	675.20
0.168	0.067	0.001	0.256	841.39	19.55	841.30
0.175	0.067	0.001	-0.271	805.83	18.65	806.60
8.913	0.047	0.001	-0.005	15.62	0.34	15.63
0.323	0.057	0.001	-0.126	443.04	10.14	443.50
0.155	0.066	0.001	0.294	837.64	17.95	836.80
0.162	0.066	0.001	0.010	826.49	18.20	826.00
0.155	0.066	0.001	-0.035	837.43	17.95	836.30
9.638	0.046	0.001	0.144	14.71	0.32	14.71
10.358	0.047	0.001	0.105	13.82	0.31	13.84
0.160	0.066	0.001	0.128	826.36	17.96	825.80
0.152	0.066	0.001	-0.040	851.32	18.20	850.50
0.161	0.067	0.001	-0.032	848.82	19.12	849.30
0.726	0.062	0.001	0.105	224.23	5.82	227.40
10.280	0.047	0.001	0.186	13.50	0.29	13.52
0.153	0.067	0.001	0.018	863.82	18.88	862.80
0.152	0.067	0.001	0.018	881.35	19.43	879.50
0.165	0.067	0.001	0.021	844.57	19.31	844.80
0.156	0.067	0.001	-0.009	879.69	19.93	878.70
0.156	0.067	0.001	0.181	835.61	17.91	835.30
0.162	0.067	0.001	-0.297	883.61	20.87	882.00
0.193	0.067	0.001	-0.033	698.98	15.42	702.30
0.186	0.065	0.001	-0.274	729.58	16.22	730.40
0.220	0.065	0.001	0.145	690.53	17.09	692.90
0.165	0.066	0.001	-0.153	897.19	21.74	894.00
0.223	0.062	0.001	0.080	625.19	14.12	627.20

0.284	0.059	0.001	-0.103	483.19	10.65	484.40
1.864	0.055	0.001	0.014	99.00	2.87	99.80
11.738	0.047	0.001	0.392	13.94	0.35	13.95
0.227	0.064	0.001	-0.095	645.79	15.37	648.10
0.153	0.067	0.001	-0.044	848.88	18.16	848.80
0.155	0.067	0.001	0.082	848.63	18.37	848.70
0.281	0.056	0.001	-0.100	482.90	10.51	482.60
0.277	0.056	0.001	-0.009	479.13	10.19	478.80
0.169	0.066	0.001	-0.010	807.21	18.12	807.80
0.160	0.067	0.001	0.107	823.10	17.90	823.10
0.156	0.067	0.001	0.116	823.69	17.49	823.50

17.66	837.50	17.66	874.64	41.90	562	365
16.45	828.70	16.96	906.50	41.63	883	107
15.34	759.10	16.02	898.74	41.53	2768	215
16.92	816.30	17.16	911.25	41.42	2641	470
9.95	465.90	9.95	495.40	44.62	3239	36
18.07	819.70	17.99	851.39	44.66	240	69
19.39	839.80	18.31	851.70	44.22	241	63
0.29	13.31	0.34	74.44	55.70	5088	23
0.30	13.07	0.35	72.44	61.23	5060	21
11.21	493.90	10.94	543.31	44.87	2432	52
17.93	830.70	17.24	840.88	42.01	753	152
17.25	820.60	16.94	834.66	42.19	578	91
18.38	814.60	17.50	830.30	42.04	1366	333
0.30	13.76	0.35	14.31	60.57	2059	7
0.28	13.22	0.30	72.44	52.21	5670	43
17.56	827.10	17.14	821.84	43.26	143	90
18.59	820.90	18.09	834.04	42.86	450	510
17.63	828.00	17.30	836.53	42.50	503	554
18.30	825.70	17.47	824.67	42.53	454	430
17.66	827.70	17.29	837.78	42.43	430	288
18.09	836.40	17.61	829.36	42.75	310	160
17.36	819.70	17.05	835.91	42.45	406	278
17.53	820.70	17.05	829.36	42.56	345	214
14.74	684.80	14.48	731.35	43.06	1275	67
19.47	837.00	18.03	837.78	42.83	496	165
18.52	810.20	17.81	832.17	42.20	1117	548
0.34	15.73	0.36	44.65	52.80	5290	122
10.13	448.80	9.87	480.28	45.09	3205	15
17.85	829.70	17.14	810.18	42.14	1868	476
18.14	820.80	17.34	810.50	42.07	1720	504
17.84	825.70	17.14	798.75	42.09	1770	391
0.32	14.71	0.36	11.71	57.33	3114	37
0.31	14.06	0.36	60.37	58.44	3199	19
17.75	823.40	17.18	814.29	42.19	689	222
18.17	842.50	17.60	821.21	42.07	980	355
18.91	843.60	17.98	825.92	42.92	913	511
5.93	270.90	6.56	660.25	44.21	2174	51
0.29	13.84	0.34	54.30	55.51	3629	20
18.78	857.10	18.06	831.86	43.35	164	85
19.37	868.40	18.34	832.17	42.16	556	252
19.05	845.50	18.05	847.38	42.19	641	257
19.84	868.30	18.96	845.84	44.71	126	100
17.78	836.90	17.41	835.60	42.51	315	211
20.79	874.00	19.27	850.47	42.59	467	215
15.52	732.70	15.99	824.04	42.17	1582	262
16.07	740.30	15.87	765.57	42.42	2076	143
16.86	715.40	16.15	787.87	42.23	4455	109
21.53	872.20	19.63	813.97	42.94	434	210
14.08	633.80	13.66	667.20	43.09	1773	77

10.64	500.10	10.77	560.07	43.90	3094	117
2.90	113.70	3.38	402.03	49.42	2641	1
0.36	14.18	0.41	47.20	63.76	3080	17
15.28	675.00	15.40	752.83	42.84	1585	125
18.11	848.30	17.55	841.19	41.86	1380	357
18.25	844.00	17.58	831.55	41.92	1647	365
10.49	479.80	10.25	464.61	44.56	4726	31
10.16	477.10	9.94	456.73	44.55	4211	25
17.90	809.30	17.30	807.96	42.66	265	108
17.77	823.30	17.18	824.35	42.31	513	158
17.43	824.00	17.06	824.04	41.94	1754	394

1.542
8.237
12.856
5.619
89.475
3.463
3.819
224.141
243.269
46.501
4.941
6.352
4.097
282.055
132.787
1.584
0.881
0.908
1.058
1.493
1.940
1.459
1.607
18.945
3.006
2.038
43.468
212.252
3.924
3.413
4.529
84.459
168.368
3.101
2.764
1.786
42.461
180.010
1.936
2.203
2.492
1.257
1.492
2.175
6.034
14.568
40.984
2.068
0.043

0.038

0.000

0.005

0.079

0.259

0.222

0.007

0.006

0.407

0.308

0.225

Table A-2: U-Th-Pb isotopic data for monazite from the lower-GH in eastern Bhutan.

Sample	$^{207}Pb/^{235}U$	± 2σ abs.	$^{206}Pb/^{238}U$	± 2σ abs.	Error Corr.	$^{238}U/^{206}Pb$	± 2σ abs.	$^{207}Pb/^{206}Pb$	± 2σ abs.	Error Corr.	$^{208}Pb/^{232}Th$	± 2σ abs.	$^{206}Pb/^{238}U$ Age (Ma)	± 2σ abs.	$^{207}Pb/^{235}U$ Age (Ma)	± 2σ abs.	$^{208}Pb/^{232}Th$ Age (Ma)	± 2σ abs.	Approx. U (ppm)	Approx. Th (ppm)	Th/U
BU12-178c: Schist (UTM: 323891, 3059810.2)																					
BU12_178c_34	0.018	0.001	0.0023	0.0001	0.493	430.8	15.0	0.058	0.003	0.02	0.00074	0.00003	14.9	0.5	18.5	1.0	14.9	0.6	8920	45800	5.1
BU12_178c_35	0.018	0.001	0.0023	0.0001	0.466	432.7	12.7	0.058	0.002	0.08	0.00074	0.00002	14.9	0.4	18.2	0.9	14.9	0.5	11040	46900	4.2
BU12_178c_36	0.016	0.001	0.0023	0.0001	0.732	428.6	13.7	0.051	0.002	-0.01	0.00076	0.00003	15.0	0.5	16.2	0.6	15.4	0.6	24240	49300	2.0
BU12_178c_37	0.022	0.001	0.0026	0.0001	0.654	381.1	13.9	0.061	0.003	-0.08	0.00074	0.00003	16.9	0.6	22.1	1.4	14.9	0.6	10350	40300	3.9
BU12-182: Kyanite metapelite (UTM: 320786.2, 3062299.9)																					
BU12_182_38	0.555	0.019	0.0701	0.0025	0.961	14.3	0.5	0.058	0.001	-0.03	0.02214	0.00072	436.0	14.0	449.0	13.4	442.0	15.6	6510	48700	7.5
BU12_182_39	0.859	0.032	0.1014	0.0040	0.983	9.9	0.4	0.061	0.001	-0.02	0.03380	0.00121	625.0	22.7	629.0	19.6	671.0	26.1	6260	50200	8.0
BU12_182_40	0.872	0.029	0.1036	0.0037	0.967	9.7	0.3	0.061	0.001	0.16	0.03444	0.00113	635.0	20.4	637.0	17.5	684.0	24.8	5610	54800	9.8
BU12_182_41	0.614	0.022	0.0766	0.0029	0.964	13.1	0.5	0.058	0.001	0.04	0.02213	0.00083	476.0	16.1	485.0	14.7	442.0	17.8	10380	55400	5.3
BU12_182_43	0.025	0.001	0.0025	0.0001	0.773	401.3	14.0	0.074	0.002	-0.10	0.00079	0.00003	16.1	0.6	25.2	1.0	15.9	0.6	13970	57600	4.1
BU12_182_44	0.024	0.001	0.0025	0.0001	0.709	405.7	13.4	0.068	0.002	-0.03	0.00079	0.00003	15.9	0.5	23.7	1.0	15.9	0.6	14860	62200	4.2
BU12_182_45	0.026	0.001	0.0027	0.0001	0.742	372.0	12.9	0.070	0.002	-0.01	0.00084	0.00003	17.3	0.6	26.2	1.2	16.9	0.6	14450	70200	4.9
BU12_182_48	0.036	0.003	0.0041	0.0002	0.727	242.1	10.6	0.064	0.003	-0.13	0.00152	0.00008	26.6	1.1	36.3	2.5	30.6	1.6	7090	42800	6.0
BU12_182_50	0.140	0.005	0.0171	0.0006	0.892	58.6	1.8	0.060	0.001	-0.10	0.00564	0.00017	109.1	3.3	133.1	4.2	113.7	3.9	13260	62800	4.7
BU12_182_52	0.473	0.019	0.0585	0.0026	0.988	17.1	0.7	0.058	0.001	-0.18	0.01763	0.00075	366.0	14.9	392.0	13.5	353.0	15.7	11320	54500	4.8
BU12_182_55	0.618	0.023	0.0780	0.0031	0.981	12.8	0.5	0.058	0.001	0.03	0.02289	0.00094	484.0	17.0	487.0	15.5	457.0	19.7	10830	54700	5.1
BU12_182_56	0.036	0.002	0.0028	0.0001	0.644	360.6	14.8	0.095	0.005	-0.07	0.00075	0.00003	17.9	0.7	35.7	2.0	15.2	0.6	7820	45000	5.8
BU12_182_57	0.038	0.002	0.0031	0.0001	0.575	325.7	13.4	0.091	0.004	-0.26	0.00081	0.00003	19.8	0.8	38.2	2.2	16.3	0.7	9050	53900	6.0
BU12-190a: Layer-parallel leucosome (UTM: 3168204, 3068204)																					
BU12-190a_21	0.018	0.001	0.0024	0.0001	0.610	414.4	12.6	0.056	0.002	0.05	0.00075	0.00002	15.5	0.5	18.1	0.7	15.2	0.5	11450	41100	3.6
BU12-190a_22	0.019	0.001	0.0024	0.0001	0.634	424.8	14.3	0.057	0.002	-0.02	0.00075	0.00003	15.2	0.5	18.7	0.8	15.2	0.6	10520	38650	3.7
BU12-190a_24	0.017	0.001	0.0023	0.0001	0.600	426.8	13.2	0.053	0.002	0.07	0.00074	0.00002	15.1	0.5	16.8	0.7	14.9	0.5	11310	56600	5.0
BU12-190a_25	0.017	0.001	0.0023	0.0001	0.581	432.0	12.9	0.052	0.002	0.09	0.00075	0.00002	14.9	0.4	16.8	0.6	15.1	0.5	13700	49100	3.6
BU12-190a_26	0.016	0.001	0.0023	0.0001	0.755	435.4	14.8	0.053	0.002	-0.17	0.00074	0.00003	14.8	0.5	16.2	0.8	14.9	0.6	15970	49600	3.1
BU12-190a_27	0.018	0.001	0.0023	0.0001	0.621	429.0	12.7	0.055	0.002	0.09	0.00074	0.00002	15.0	0.4	17.7	0.6	14.9	0.5	15900	69400	4.4
BU12-190a_30	0.018	0.001	0.0023	0.0001	0.517	431.8	12.0	0.056	0.003	-0.10	0.00071	0.00002	14.9	0.4	17.8	0.9	14.4	0.5	10090	51340	5.1
BU12-190a_31	0.017	0.001	0.0023	0.0001	0.611	435.9	12.5	0.054	0.002	-0.07	0.00073	0.00002	14.8	0.4	17.0	0.7	14.8	0.5	16290	53740	3.3
BU12-190a_32	0.017	0.001	0.0023	0.0001	0.545	442.5	12.8	0.056	0.002	-0.05	0.00071	0.00002	14.6	0.4	17.5	0.9	14.3	0.5	15620	55800	3.6
BU12-190a_33	0.019	0.001	0.0022	0.0001	0.432	447.6	17.8	0.062	0.003	0.10	0.00070	0.00003	14.4	0.6	18.7	1.1	14.1	0.6	9690	34600	3.6
BU12-193a: Sillimanite metapelite (UTM: 316691, 3068628.9)																					
BU12_193a_1	0.019	0.001	0.0022	0.0001	0.554	444.8	13.0	0.061	0.003	-0.06	0.00072	0.00002	14.5	0.4	19.2	0.9	14.5	0.5	5880	38450	6.5
BU12_193a_2	0.016	0.001	0.0023	0.0001	0.422	441.7	12.0	0.052	0.002	0.12	0.00072	0.00002	14.6	0.4	16.5	0.7	14.6	0.5	5750	39900	6.9
BU12_193a_3	0.017	0.001	0.0022	0.0001	0.469	448.0	11.9	0.054	0.002	-0.02	0.00071	0.00002	14.4	0.4	16.9	0.8	14.3	0.4	6050	46300	7.7
BU12_193a_4	0.017	0.001	0.0023	0.0001	0.449	443.5	13.5	0.054	0.002	0.14	0.00072	0.00002	14.5	0.4	17.1	0.7	14.6	0.5	6310	49600	7.9
BU12_193a_8	0.018	0.001	0.0024	0.0001	0.523	419.1	11.4	0.054	0.002	0.00	0.00075	0.00002	15.4	0.4	17.8	0.7	15.2	0.5	10050	59500	5.9
BU12_193a_11	0.018	0.001	0.0024	0.0001	0.557	411.0	11.5	0.055	0.002	0.07	0.00077	0.00002	15.7	0.4	18.2	0.6	15.5	0.5	11200	64500	5.8
BU12_193a_12	0.017	0.001	0.0023	0.0001	0.502	437.4	13.0	0.052	0.002	0.01	0.00072	0.00002	14.7	0.4	16.7	0.8	14.5	0.5	7780	45700	5.9
BU12_193a_13	0.019	0.001	0.0024	0.0001	0.425	424.3	11.7	0.057	0.003	-0.02	0.00072	0.00002	15.2	0.4	19.2	1.0	14.5	0.4	6680	41700	6.2

BU12_193a_14	0.017	0.001	0.0023	0.0001	0.475	431.0	12.8	0.052	0.002	0.04	0.00074	0.00002	14.9	0.4	16.8	0.8	14.9	0.5	8200	53200	6.5
BU12_193a_15	0.020	0.001	0.0024	0.0001	0.521	416.3	12.0	0.061	0.002	0.01	0.00075	0.00002	15.5	0.4	20.3	0.9	15.1	0.5	7280	63300	8.7
BU12_193a_17	0.020	0.001	0.0024	0.0001	0.621	419.3	13.6	0.061	0.002	-0.02	0.00073	0.00002	15.4	0.5	20.1	1.0	14.8	0.5	7040	67100	9.5
BU12_193a_18	0.016	0.001	0.0023	0.0001	0.289	441.3	13.0	0.050	0.002	0.18	0.00071	0.00002	14.6	0.4	16.1	0.8	14.3	0.5	6820	45300	6.6
BU12_193a_19	0.018	0.001	0.0024	0.0001	0.490	416.5	14.7	0.056	0.003	0.09	0.00071	0.00002	15.5	0.5	18.3	1.0	14.4	0.5	6140	43420	7.1
BU12_193a_20	0.019	0.001	0.0024	0.0001	0.580	416.1	13.4	0.057	0.002	-0.12	0.00075	0.00002	15.5	0.5	18.7	1.0	15.1	0.5	6520	46600	7.1

eTable 3 supplementary material: Trace-element data for zircon from the Lesser and Greater Himalayan rocks in central and eastern Bhutan[1]

Sample	^{207}Pb Corr. Age (Ma)	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Eu*[2]	Lu/Dy	Ti[3]	Ti-in-zircon temperatures (ºC)[3]
BU12-172c: Jashidanda schist (UTM: 323403.88, 3055704.50)																			
BU12-172c_01	1616	0.059	49.6	4.41	19.9	126	34	351	556	880	1518	2275	2800	3925	4876	-0.8	5.5		
BU12-172c_04	1356	0.030	59.5	-0.15	5.9	39	23	114	236	492	775	1288	1852	2863	3592	-0.5	7.3		
BU12-172c_06	1268	0.000	36.5	-0.34	6.1	30	23	110	232	492	1000	1650	2604	3957	6044	-0.4	12.3		
BU12-172c_09	17	0.063	1.8	0.71	1.2	4	4	34	108	344	673	1044	1364	1894	2340	-0.4	6.8		
BU12-172c_10	21	0.160	2.7	0.72	4.8	30	8	155	412	1093	1691	2644	3512	5130	6468	-0.9	5.9		
BU12-172c_12	1594	0.046	54.8	4.09	21.0	145	13	469	818	1427	2487	3538	4248	5615	7608	-1.3	5.3		
BU12-172c_13	1119	0.173	39.5	2.40	16.4	89	56	328	577	1016	1793	2656	3436	4447	6124	-0.5	6.0		
BU12-172c_15	17	bdl	2.0	bdl	bdl	bdl	6	26	94	335	669	1019	1248	1609	1784	-	5.3		
BU12-172c_18	1646	0.342	17.9	2.69	1.4	26	12	30	53	95	166	263	400	602	976	-0.4	10.3		
BU12-172c_20	1159	0.253	28.1	2.80	6.3	55	50	146	215	317	542	724	1004	1522	2124	-0.3	6.7		
BU12-172c_23	1537	7.511	####	106.13	184.2	511	130	623	827	1098	1533	1944	2252	3149	4072	-0.6	3.7		
BU12-172c_28	1313	0.101	1.2	0.83	1.7	34	1	220	578	1520	2827	4494	5888	8578	10280	-1.8	6.8		
BU12-172c_29	1125	bdl	1.4	bdl	1.6	12	0	71	183	472	829	1331	2696	5161	8920	-	18.9		
BU12-172c_30	1257	0.068	11.7	1.13	2.8	17	6	66	133	267	484	737	1008	1460	1884	-0.7	7.1		
BU12-172c_31	1520	0.806	8.6	5.59	10.9	11	6	37	66	119	184	286	456	789	1100	-0.6	9.3		
BU12-172c_35	1315	bdl	####	1.63	5.3	64	33	125	235	442	791	1240	1756	2776	3828	-0.4	8.7		
BU12-172c_37	17	bdl	1.0	bdl	bdl	1	1	25	73	216	371	496	514	752	884	-0.5	4.1		
BU12-172c_38	1576	0.148	15.2	1.34	2.5	39	6	96	186	360	716	1156	1512	2441	3280	-1.0	9.1		
BU12-172c_40	1656	bdl	19.1	2.55	14.4	104	60	244	426	744	1162	1794	2240	3230	4224	-0.4	5.7		
BU12-172c_44	1605	2.996	42.1	26.13	41.6	97	54	236	374	593	1018	1606	2108	3571	4920	-0.5	8.3		
BU12-172c_52	987	0.211	5.9	2.26	4.6	36	5	110	242	537	825	1456	2328	3888	4460	-1.1	8.3		
BU12-172c_56	1487	0.025	6.0	0.53	bdl	3	0	60	156	402	887	1611	2688	4770	6708	-	16.7		
BU12-178c: Schist (UTM: 323891, 3059810.2)																			
BU12-178c_01a	1000	bdl	5.5	0.59	6.4	53	15	244	475	644	822	1163	1336	1932	1848	-0.9	2.9		
BU12-178c_02a	1008	0.034	2.5	0.06	1.8	17	3	79	209	280	416	539	602	871	833	-1.2	3.0		
BU12-178c_03a	939	bdl	####	2.16	19.5	115	113	280	456	629	900	1354	1592	2441	2620	-0.2	4.2		
BU12-178c_04a	1013	bdl	7.4	0.35	1.5	17	3	73	143	233	447	681	801	1268	1352	-1.0	5.8		
BU12-178c_05a	1734	bdl	52.0	8.73	11.9	117	73	268	469	684	1183	1781	2340	3584	4232	-0.4	6.2		
BU12-178c_01b	1346	bdl	1.7	bdl	bdl	129	4	231	653	1150	2316	3369	5320	7820	8400	-1.6	7.3		
BU12-178c_02b	1325	0.025	3.3	bdl	bdl	50	11	144	344	797	1113	1956	2944	4199	4292	-0.9	5.4		
BU12-178c_03b	1317	bdl	1.3	bdl	bdl	59	bdl	140	386	687	1347	2031	3328	4845	4716	-	6.9		
BU12-178c_05b	1084	bdl	1.2	0.25	bdl	34	bdl	137	308	540	736	1051	1472	2106	2088	-	3.9		
BU12-178c_06b	1599	bdl	21.7	bdl	bdl	29	9	112	195	348	609	877	1276	1882	2072	-0.8	5.9		
BU12-178c_07b	1401	0.061	3.8	0.00	bdl	51	2	150	317	541	1056	1469	2244	2870	3372	-1.7	6.2		
BU12-178c_08b	1360	bdl	4.7	bdl	bdl	28	bdl	174	386	833	1745	2425	3800	5130	5964	-	7.2		
BU12-178c_09b	1602	bdl	33.8	bdl	71.6	103	84	345	606	1089	1676	2475	3292	4261	4880	-0.4	4.5		
BU12-178c_10b	925	0.069	9.5	bdl	194.7	111	8	404	642	951	1567	2019	2544	3528	3724	-1.5	3.9		
BU12-178c_11b	1565	0.000	52.2	bdl	17.7	52	3	240	416	752	1235	1673	2472	3025	3376	-1.5	4.5		
BU12-178c_13b	2340	0.042	10.0	0.63	2.0	23	21	85	151	238	353	558	848	1379	1296	-0.3	5.4		
BU12-178c_15b	1332	bdl	0.6	0.37	0.1	33	3	82	205	365	527	662	912	1199	1216	-1.3	3.3		
BU12-178c_16b	1352	bdl	1.1	1.61	2.1	18	1	130	267	426	535	694	916	1093	1140	-1.5	2.7		
BU12-178c_17b	1626	bdl	57.4	1.15	2.3	23	13	96	224	422	718	1256	1744	2590	3040	-0.6	7.2		
BU12-178c_18b	1356	bdl	0.9	0.48	0.2	24	2	164	300	565	758	1088	1396	1770	2008	-1.4	3.6		
BU12-178c_19b	997	bdl	2.7	15.05	5.2	18	1	131	303	616	956	1529	2448	3447	3532	-1.7	5.7		
BU12-178c_20b	1474	bdl	85.6	bdl	7.1	60	95	298	547	1102	1889	3019	4440	6075	7296	-0.1	6.6		

BU12-178c_21b	1322	bdl	55.1	bdl	1.9	28	36	155	283	572	1055	1667	2356	3050	3584	-0.3	6.3
BU12-178c_22b	1213	bdl	1.4	bdl	4.5	51	3	236	425	524	467	515	564	621	539	-1.5	1.0
BU12-178c_23b	1312	bdl	2.8	0.54	3.0	29	1	139	290	533	807	1175	1640	2304	2608	-1.6	4.9
BU12-178c_24b	1635	bdl	42.7	1.78	2.2	18	22	90	185	378	615	894	1372	1950	2032	-0.3	5.4
BU12-178c_26b	960	bdl	2.0	bdl	3.7	59	bdl	227	483	1013	1698	2706	3460	4665	5236	-	5.2
BU12-178c_28b	945	bdl	73.7	12.90	25.8	83	103	232	272	422	660	963	1228	1627	1872	-0.1	4.4
BU12-178c_30b	1695	0.203	21.3	0.65	3.7	39	13	138	238	456	776	1163	1656	2273	2548	-0.7	5.6
BU12-178c_31b	1707	0.063	19.6	0.30	0.2	7	9	52	90	155	291	463	600	901	988	-0.4	6.4
BU12-178c_32b	1721	bdl	54.8	1.83	5.3	37	6	148	240	445	765	1188	1704	2640	2472	-1.1	5.6
BU12-178c_33b	1721	0.173	18.4	3.81	12.5	91	54	290	528	776	1195	1789	2176	2888	3160	-0.5	4.1
BU12-178c_39b	1648	20.084	59.9	13.33	26.9	95	11	158	291	530	1036	1869	2432	3702	3980	-1.0	7.5
BU12-178c_40b	1400	0.253	9.1	2.10	14.9	151	23	456	878	1451	2355	3756	4576	6068	7040	-1.1	4.9
BU12-178c_42b	1306	0.019	30.0	1.11	12.7	114	63	344	767	1102	1902	2744	3384	4696	5120	-0.5	4.6
BU12-178c_47b	1356	0.025	1.3	0.18	1.2	35	6	102	233	356	695	1059	1352	1963	2240	-1.0	6.3
BU12-178c_49b	1124	bdl	bdl	1.78	13.6	58	43	237	397	533	893	1419	1792	2497	2732	-0.4	5.1
BU12-178c_50b	1138	0.025	bdl	bdl	1.9	15	8	72	106	207	369	550	964	1323	1392	-0.6	6.7
BU12-178c_51b	1670	0.089	bdl	bdl	2.6	30	7	161	317	684	1104	1944	3072	4671	4560	-1.0	6.7
BU12-178c_52b	1093	bdl	bdl	5.39	44.6	260	68	714	897	1346	2064	2731	3328	4161	4248	-0.8	3.2
BU12-178c_54b	851	bdl	bdl	0.82	2.4	24	9	72	116	202	391	619	824	1453	1792	-0.7	8.9
BU12-178c_55b	947	0.004	bdl	2.31	16.6	123	49	173	231	394	602	864	1176	1770	1996	-0.5	5.1
BU12-178c_56b	1357	0.012	bdl	1.05	4.2	57	4	124	251	359	651	946	1164	1795	2028	-1.3	5.6
BU12-178c_57b	938	bdl	53.8	bdl	15.1	151	87	221	242	393	522	864	1092	1484	1716	-0.3	4.4
BU12-178c_58b	923	bdl	####	30.11	13.3	131	110	316	425	584	935	1263	1560	2316	2476	-0.3	4.2
BU12-178c_59b	1355	bdl	49.4	bdl	3.1	53	38	119	215	433	913	1584	2424	4615	6384	-0.3	14.7
BU12-178c_60b	1355	bdl	48.9	bdl	2.2	36	29	97	143	315	707	1250	1912	3752	4784	-0.3	15.2
BU12-182: Kyanite metapelite (UTM: 320786.2, 3062299.9)																	
BU12-182_01	1090	0.007	13.3	2.39	14.9	75	15	244	383	632	882	1291	1588	2130	2304	-1.0	3.6
BU12-182_04	984	bdl	5.3	0.03	4.6	27	0	56	98	161	275	514	672	1068	1040	-3.0	6.5
BU12-182_06	1713	bdl	13.0	0.09	4.6	13	3	40	73	129	222	314	469	731	804	-0.8	6.2
BU12-182_08	1689	bdl	23.5	0.71	16.4	58	25	134	173	284	433	650	900	1217	1304	-0.6	4.6
BU12-182_09	1494	0.186	17.9	2.42	11.2	89	60	349	617	1167	1836	2725	3640	4789	5844	-0.5	5.0
BU12-182_11	1739	0.033	15.7	0.56	0.4	10	3	37	75	149	282	472	672	1084	1352	-0.8	9.1
BU12-182_12	1705	bdl	71.8	44.09	111.6	77	12	121	171	285	518	801	1128	1789	2040	-0.9	7.1
BU12-182_14	1579	bdl	23.0	bdl	2.1	35	4	117	248	497	882	1305	1812	2578	2996	-1.2	6.0
BU12-182_16	1351	0.046	9.8	1.61	1.7	18	2	87	171	300	524	850	1176	1689	1936	-1.3	6.5
BU12-182_17	1613	bdl	####	1.06	7.4	51	18	121	218	447	756	1052	1524	2186	2640	-0.6	5.9
BU12-182_18	933	0.025	48.0	0.39	1.3	7	11	24	56	109	195	317	477	770	1024	-0.1	9.4
BU12-182_19	910	bdl	61.2	bdl	3.6	22	11	52	103	169	253	439	696	963	1228	-0.5	7.3
BU12-182_20	1699	0.241	17.4	0.17	2.0	18	2	57	117	252	455	714	996	1460	1652	-1.1	6.6
BU12-182_23	1365	0.338	21.9	0.68	5.4	37	8	115	217	386	673	1088	1380	2373	2452	-0.9	6.3
BU12-182_31	1709	4.641	8.5	11.83	3.0	11	4	74	149	277	462	744	1004	1329	1556	-0.8	5.6
BU12-182_32	1690	0.030	5.4	0.08	3.8	35	3	157	299	679	1335	2163	3328	5012	6080	-1.3	9.0
BU12-182_33	1708	bdl	10.3	bdl	6.0	34	14	119	193	266	491	704	912	1323	1564	-0.7	5.9
BU12-182_36	1739	bdl	####	bdl	12.3	59	48	169	226	333	511	701	908	1323	1440	-0.3	4.3
BU12-182_39	1666	bdl	25.1	bdl	2.0	19	13	88	140	281	458	713	1052	1456	1752	-0.5	6.2
BU12-182_41	2557	0.122	13.6	0.31	2.6	57	15	153	293	585	1113	1869	2564	3783	4672	-0.8	8.0
BU12-182_44	1685	0.447	15.9	1.14	3.2	25	9	90	145	257	444	663	852	1149	1380	-0.7	5.4
BU12-182_45	1191	0.017	4.3	0.04	bdl	18	2	32	54	87	142	219	299	375	452	-1.1	5.2
BU12-182_46	1147	1.688	2.2	4.30	0.9	0	2	21	21	29	33	40	37	51	52	-0.2	1.8

BU12-182_48	927	0.143	####	0.37	10.1	72	50	185	225	351	605	809	1128	1484	1864	-0.4	5.3
BU12-182_49	1625	0.338	60.2	0.86	1.7	16	15	75	110	261	464	792	1264	1975	2560	-0.4	9.8
BU12-182_50	1679	bdl	45.2	bdl	4.5	29	15	87	126	233	339	516	712	1105	1100	-0.5	4.7
BU12-182_54	1216	bdl	####	bdl	260.4	174	24	259	300	513	778	966	1168	1615	1832	-0.9	3.6
BU12-182_55	1695	0.118	22.3	0.30	1.8	23	2	84	154	286	445	656	796	1280	1432	-1.3	5.0
BU12-182_57	1732	bdl	32.0	bdl	6.3	39	3	187	432	744	1205	1825	2356	3540	3952	-1.4	5.3
BU12-182_62	945	bdl	####	bdl	33.5	36	26	184	13	496	695	1147	1464	2553	2500	-0.5	5.0
BU12-190a: Foliation-parallel leucosome (UTM: 320786.2, 3062299.9)																	
BU12-190a_01a	1635	0.002	13.5	0.76	2.7	19	11	79	150	286	489	751	1024	1441	1764	-0.6	6.2
BU12-190a_03a	995	0.016	7.2	3.00	9.6	47	7	171	346	592	893	1212	1692	2109	2604	-1.1	4.4
BU12-190a_04a	1350	bdl	6.2	0.87	1.1	5	3	65	193	422	835	1650	2832	4863	5048	-0.8	12.0
BU12-190a_05a	1391	0.004	53.3	2.90	5.8	28	32	127	246	412	662	1189	1660	2391	2776	-0.3	6.7
BU12-190a_06a	1378	0.023	8.7	0.63	3.7	18	10	92	201	316	524	936	1156	1634	1768	-0.6	5.6
BU12-190a_02b	873	bdl	1.0	0.15	1.0	20	2	117	227	283	295	264	276	256	262	-1.4	0.9
BU12-190a_03b	857	bdl	1.1	0.17	1.1	21	3	107	226	365	575	781	924	1199	1252	-1.3	3.4
BU12-190a_06b	1655	bdl	53.8	0.80	6.6	27	14	129	175	267	447	651	868	1211	1520	-0.6	5.7
BU12-190a_07b	1770	0.001	29.5	0.91	7.7	32	18	152	210	336	545	665	820	1205	1404	-0.6	4.2
BU12-190a_08b	1328	0.014	13.3	0.87	3.5	21	5	133	296	695	1522	2719	4392	7118	8440	-1.1	12.1
BU12-190a_09b	1008	0.072	4.7	0.16	2.4	29	6	157	276	539	984	1638	2016	2901	3296	-1.1	6.1
BU12-190a_10b	1005	bdl	3.9	0.18	2.3	17	1	113	226	407	800	1266	1668	2342	2796	-1.5	6.9
BU12-190a_12b	1539	bdl	32.6	0.46	5.3	41	14	184	269	405	675	978	1224	1683	1876	-0.8	4.6
BU12-190a_13b	1117	0.019	17.4	0.28	0.3	11	9	61	134	214	505	766	1132	1913	2572	-0.5	12.0
BU12-190a_17b	1670	0.005	19.2	bdl	1.1	17	5	80	184	276	580	913	1292	1907	2160	-0.9	7.8
BU12-190a_18b	1419	9.000	bdl	7.15	5.6	2	7	13	47	114	213	511	862	1468	2441	0.1	21.4
BU12-190a_19b	1125	0.042	46.5	2.26	3.6	34	12	315	775	1529	2744	4306	6048	9143	10200	-0.9	6.7
BU12-190a_20b	1252	0.011	14.6	0.23	2.3	18	3	112	195	320	633	881	1276	1758	2132	-1.3	6.7
BU12-190a_22b	875	0.034	7.7	1.11	1.1	4	12	32	68	113	134	238	329	627	724	0.1	6.4
BU12-190a_24b	1109	0.021	1.4	0.33	0.0	7	0	21	39	70	136	236	407	683	868	-1.6	12.4
BU12-190a_26b	1315	0.030	0.8	0.06	0.4	9	3	30	59	90	142	179	279	327	374	-0.8	4.1
BU12-190a_27b	945	0.025	0.5	0.03	0.7	15	0	24	101	201	356	657	1248	2006	2700	-1.6	13.4
BU12-190a_28b	963	0.114	3.7	1.40	4.9	21	2	127	242	392	616	839	1120	1671	1840	-1.5	4.7
BU12-190a_29b	973	0.038	10.0	1.77	7.7	38	10	228	424	704	1098	1444	1900	2602	2820	-1.0	4.0
BU12-190a_30b	1491	bdl	21.9	0.19	2.9	13	12	54	113	190	306	553	840	1278	1628	-0.4	8.6
BU12-190a_32b	1486	0.051	11.1	0.45	1.4	4	3	27	69	117	238	419	556	886	1104	-0.5	9.5
BU12-190a_33b	1537	0.076	18.4	0.49	1.5	25	10	76	148	248	416	681	1014	1280	1596	-0.6	6.4
BU12-190a_34b	2041	bdl	19.6	0.22	2.0	16	1	59	99	187	296	488	696	948	1200	-1.6	6.4
BU12-190a_36b	1062	bdl	32.0	3.45	26.3	90	10	352	589	905	1504	2214	2444	3373	3788	-1.2	4.2
BU12-190a_37b	1121	0.097	23.5	2.74	14.4	93	13	288	410	695	975	1488	1748	2286	2672	-1.1	3.8
BU12-190a_38b	1014	bdl	0.1	0.19	0.5	16	1	99	189	313	436	518	587	720	776	-1.5	2.5
BU12-190a_39b	902	2.489	####	37.96	131.9	131	241	263	358	487	736	1099	1424	2248	2720	0.1	5.6
BU12-190a_40b	1728	0.025	8.6	0.54	3.2	29	5	116	231	346	598	926	1044	1534	1752	-1.0	5.1
BU12-190a_41b	1719	0.717	49.3	2.95	18.4	113	76	391	541	746	991	1362	1596	2006	2352	-0.4	3.2
BU12-190a_42b	1157	0.055	33.4	0.76	3.0	49	5	209	394	704	1191	1823	2252	3199	3928	-1.3	5.6
BU12-190a_43b	1695	bdl	12.4	0.25	2.1	18	8	92	164	313	538	871	1108	1652	2072	-0.7	6.6
BU12-190a_44b	960	0.198	17.9	0.03	4.2	22	6	125	248	457	789	1205	1452	1994	2332	-0.9	5.1
BU12-190a_45b	967	0.092	17.8	0.71	3.2	29	1	132	219	417	680	961	1176	1727	1940	-1.7	4.6
BU12-190a_46b	950	0.030	2.0	1.06	3.3	62	7	230	342	443	496	566	546	647	711	-1.2	1.6
BU12-190a_47b	1313	bdl	0.3	0.57	bdl	bdl	2	30	80	213	378	692	1072	1739	2400	-	11.3
BU12-190a_49b	1273	0.042	15.8	1.44	8.3	120	10	352	544	980	1507	2306	2776	3776	4280	-1.3	4.4

BU12-190a_50b	1307	bdl	9.8	0.62	3.7	45	9	173	297	504	865	1225	1596	2180	2420	-1.0	4.8		
BU12-190a_56b	1393	bdl	28.3	0.37	2.2	43	6	232	492	917	1549	2456	3024	4453	4904	-1.2	5.3		
BU12-190a_58b	1332	bdl	76.2	1.33	5.6	76	10	518	1017	1764	2849	4413	5220	7429	7828	-1.3	4.4		
BU12-190a_61b	1634	bdl	26.2	0.31	2.9	66	9	249	514	898	1649	2675	3172	4857	5424	-1.1	6.0		
BU12-190a_62b	1725	bdl	18.7	2.47	2.4	30	10	104	217	375	635	1063	1236	1882	2256	-0.7	6.0		
BU12-190a_63b	1700	bdl	18.7	2.47	2.4	30	10	104	217	375	635	1063	1236	1882	2256	-0.7	6.0		
BU12-190b: Paragneiss (UTM: 320786.2, 3062299.9)																			
BU12-190b_01	1120	0.506	43.6	bdl	35.4	99	3	383	739	1313	2275	3350	4088	5671	6188	-1.8	4.7		
BU12-190b_02	1049	0.203	44.9	37.20	43.3	95	6	397	681	1325	2327	3450	4520	6460	5880	-1.5	4.4		
BU12-190b_03	1146	0.013	6.5	3.98	14.7	50	2	240	447	926	1420	2231	2920	4180	4156	-1.7	4.5		
BU12-190b_04	1264	0.084	27.9	1.94	11.2	39	31	169	247	558	938	1484	2200	3435	3964	-0.4	7.1		
BU12-190b_05	1733	bdl	16.9	0.54	3.1	11	9	71	129	217	402	649	856	1373	1648	-0.5	7.6		
BU12-190b_07	940	bdl	10.8	0.48	0.4	9	1	24	61	99	186	320	466	730	923	-1.1	9.3		
BU12-190b_08	1049	0.054	1.5	0.14	0.6	10	4	66	152	191	241	271	294	330	281	-0.8	1.5		
BU12-190b_09	1717	bdl	8.3	bdl	1.6	14	11	62	121	200	313	573	800	1267	1392	-0.4	6.9		
BU12-190b_10	1344	0.207	26.8	4.52	17.2	105	58	377	697	1150	1667	2431	3220	4335	4888	-0.5	4.2		
BU12-190b_11	1204	0.012	4.0	0.97	1.0	7	bdl	71	244	510	1035	1900	3100	4652	5960	-	11.7		
BU12-190b_12	1043	0.025	8.7	0.32	0.9	2	1	30	96	208	395	926	1508	2925	4208	-0.7	20.3		
BU12-190b_14	956	0.005	1.3	0.37	3.9	45	3	279	432	480	367	304	223	187	138	-1.5	0.3		
BU12-190b_17	1562	1.772	####	10.75	23.0	89	5	308	644	1309	2078	3800	5224	7764	8564	-1.5	6.5		
BU12-190b_18	1679	0.030	57.6	3.16	14.7	133	46	492	719	1276	1644	2519	3124	4534	4908	-0.7	3.8		
BU12-190b_19	1701	0.148	18.3	bdl	2.4	28	9	60	97	167	265	388	644	1093	1512	-0.6	9.1		
BU12-190b_20	1650	bdl	18.6	bdl	2.8	8	6	32	61	101	190	331	480	925	1508	-0.5	15.0		
BU12-190b_21	891	bdl	30.8	0.23	0.1	6	1	17	38	74	135	286	502	1005	1564	-0.8	21.3		
BU12-190b_22	990	bdl	16.2	3.01	6.8	64	21	235	480	967	1429	2377	3204	4752	5300	-0.8	5.5		
BU12-190b_24	968	0.002	2.3	0.56	3.2	41	3	241	417	837	1353	2063	2612	3764	3976	-1.5	4.7		
BU12-190b_26	1599	bdl	19.4	0.54	9.2	80	56	213	381	568	973	1393	1728	2553	2964	-0.4	5.2		
BU12-190b_27	1382	0.019	42.3	0.47	4.9	41	7	166	330	659	1107	1877	2588	3826	4388	-1.1	6.7		
BU12-190b_28	1686	0.006	24.6	bdl	3.5	30	11	101	202	357	584	943	1168	1807	2020	-0.7	5.7		
BU12-190b_29	1370	bdl	####	3.65	40.3	207	10	620	1319	2195	3753	5644	6924	9963	11156	-1.5	5.1		
BU12-190b_31	1111	bdl	2.2	bdl	bdl	57	4	120	193	309	487	759	1040	1339	1488	-1.3	4.8		
BU12-190b_32	1261	bdl	bdl	0.35	bdl	13	3	53	108	266	503	1053	1556	2820	4184	-0.9	15.7		
BU12-190b_33	1116	bdl	0.3	bdl	bdl	bdl	bdl	5	34	73	188	439	689	1398	2028	-	27.7		
BU12-190b_34	1116	0.008	bdl	0.01	0.4	1	1	25	70	210	453	932	1448	2553	2960	-0.5	14.1		
BU12-190b_35	968	0.022	bdl	44.09	13.3	106	53	250	276	376	633	859	1056	1565	1824	-0.5	4.9		
BU12-190b_36	1111	bdl	bdl	11.40	1.8	12	11	62	97	168	310	442	600	881	1056	-0.4	6.3		
BU12-190b_37	1556	0.001	bdl	1.11	4.2	53	12	285	577	1224	2044	3188	4168	6161	6536	-1.0	5.3		
BU12-190b_38	1459	bdl	bdl	bdl	5.4	43	3	170	225	404	675	979	1176	1652	1920	-1.4	4.8		
BU12-190b_39	1101	bdl	bdl	1.46	0.5	10	1	94	168	358	642	1064	1428	2093	2340	-1.4	6.5		
BU12-190b_40	1164	0.036	####	1.51	5.0	30	14	111	220	409	704	1184	1500	2205	2624	-0.6	6.4		
BU12-190b_41	1323	0.030	6.5	bdl	3.6	34	1	187	531	1039	1807	2856	3564	4752	5516	-1.9	5.3		
BU12-190b_42	1021	bdl	1.0	bdl	2.0	21	4	78	166	370	662	1072	1476	2174	2640	-1.0	7.1		
BU12-193a: Sillimanite metapelite (UTM: 316691, 3068628.9)																			
BU12_193a_01a	16	bdl	0.7	0.25	0.3	5	13	51	218	391	723	918	1397	1627	1959	-0.1	5.0	2.2	623
BU12_193a_02a	1153	1.477	21.5	2.08	5.7	45	20	116	299	480	868	1513	2348	3211	4268	-0.6	8.9	7.8	720
BU12_193a_07a	886	0.717	65.4	2.66	4.4	34	23	115	238	418	782	1188	1866	2745	3415	-0.4	8.2	8.6	728
BU12_193a_08a	863	4.937	99.2	3.99	10.9	58	41	176	399	676	1282	2006	2879	4416	5325	-0.4	7.9	12.2	759
BU12_193a_09a	776	1.688	####	2.69	13.8	93	73	402	823	1324	2454	3744	4980	6894	8130	-0.4	6.1	7.9	721
BU12_193a_11a	592	17.300	8.8	3.13	4.8	16	25	50	161	301	632	1044	1984	3478	4431	-0.1	14.7	1.4	593

BU12_193a_12a	1186	bdl	13.2	2.59	12.3	44	115	166	277	387	659	1188	1093	2112	2480	0.1	6.4	-0.5	-
BU12_193a_13a	413	4.937	0.8	0.47	1.8	3	9	19	82	167	319	519	907	1429	1927	0.1	11.6	6.0	698
BU12_193a_14a	421	2.743	bdl	bdl	1.4	2	7	25	78	209	392	619	992	1571	2106	0.0	10.1	7.2	713
BU12_193a_15a	966	1.979	79.0	6.03	22.1	135	18	423	842	1289	2255	3244	4202	5348	6508	-1.1	5.0	9.7	738
BU12_193a_16a	15	1.392	1.0	0.40	1.6	8	12	38	108	171	240	317	377	466	561	-0.2	3.3	0.9	564
BU12_193a_22a	553	2.321	0.8	0.96	1.2	7	11	35	122	293	592	938	1547	2193	2894	-0.2	9.9	3.2	650
BU12_193a_23a	393	1.646	bdl	bdl	1.2	4	10	16	56	145	275	438	834	1348	1748	0.1	12.1	3.1	648
BU12_193a_24a	461	1.055	bdl	0.27	0.2	4	6	24	82	194	342	541	769	1217	1370	-0.2	7.1	5.0	683
BU12_193a_25a	1457	0.367	23.8	1.17	7.1	40	27	180	410	652	1218	1844	2676	3391	4593	-0.5	7.0	8.0	722
BU12_193a_26a	578	94.937	24.8	18.43	23.2	29	12	58	207	352	711	1319	2470	4224	5407	-0.5	15.4	11.1	750
BU12_193a_27a	838	3.840	24.6	1.51	1.5	9	10	32	100	184	471	1013	1879	3671	5569	-0.2	30.2	7.0	711
BU12_193a_28a	417	bdl	0.7	bdl	1.5	7	16	56	188	273	430	706	1174	2081	2683	-0.1	9.8	bdl	-
BU12_193a_29a	1685	6.371	53.8	11.42	34.1	145	96	402	726	852	1337	1713	2154	2652	3220	-0.4	3.8	12.8	763
BU12_193a_31a	518	0.430	bdl	0.23	0.4	2	4	18	77	184	429	763	1393	2137	2959	-0.2	16.1	6.7	707
BU12_193a_32a	15	1.055	1.0	bdl	1.1	9	21	60	161	164	189	211	283	375	386	0.0	2.4	4.8	680
BU12_193a_33a	311	1.722	0.8	2.16	0.9	bdl	0	16	50	103	207	300	555	1186	1455	-	14.2	bdl	-
BU12_193a_35a	16	0.717	0.9	0.65	0.6	2	8	26	94	82	56	49	43	73	75	0.0	0.9	1.5	598
BU12_193a_36a	444	3.840	1.3	1.00	1.6	4	5	30	97	171	344	619	960	1994	2886	-0.3	16.9	7.1	712
BU12_193a_37a	487	0.591	bdl	0.28	0.2	1	4	15	66	180	357	663	1093	1776	2154	0.1	12.0	3.6	658
BU12_193a_39a	937	0.464	1.9	0.57	1.6	17	13	85	263	492	941	1344	1866	2801	3577	-0.5	7.3	6.6	706
BU12_193a_40a	897	18.565	6.5	8.62	7.0	41	59	85	177	297	509	831	1356	2335	3537	0.0	11.9	19.4	803
BU12_193a_41a	882	94.515	51.1	47.95	64.6	164	82	312	504	688	1082	1575	2551	4193	5691	-0.4	8.3	bdl	-
BU12_193a_42a	519	2.785	1.4	1.19	0.9	8	10	19	57	116	203	296	660	957	1455	-0.1	12.6	bdl	-
BU12_193a_43a	882	bdl	2.3	bdl	0.8	17	23	101	271	531	1044	1631	2304	3273	3943	-0.3	7.4	6.5	704
BU12_193a_47a	425	0.802	bdl	0.12	0.2	7	21	19	80	148	302	488	745	1186	1602	0.3	10.8	bdl	-
BU12_193a_48a	14	3.713	1.1	0.30	1.0	6	14	43	99	160	247	334	510	758	862	-0.1	5.4	4.5	675
BU12-195a: Foliation-parallel leucosome (UTM: 317223.7, 3068528.5)																			
BU12_195a_06	459	1.097	bdl	0.65	0.2	5	1	41	162	366	680	1363	2684	5323	7840	-1.3	21.4	2.3	625
BU12_195a_07	811	bdl	2.0	0.38	1.7	13	1	93	228	443	809	1388	2000	2901	3960	-1.4	8.9	3.5	656
BU12_195a_08	842	bdl	1.7	0.13	1.1	13	1	93	239	435	764	1363	1880	2671	3360	-1.8	7.7	4.9	682
BU12_195a_10	13	0.886	0.6	bdl	bdl	7	1	42	195	516	1135	2206	4168	7826	11640	-1.4	22.5	2.2	623
BU12_195a_11	13	0.759	bdl	bdl	bdl	4	bdl	42	169	488	982	2000	3880	7081	10160	-	20.8	1.8	610
BU12_195a_13	835	bdl	3.5	0.04	1.0	13	bdl	116	322	614	1207	2044	2832	4093	5280	-	8.6	2.6	636
BU12_195a_14	820	bdl	2.3	0.10	0.8	11	bdl	76	231	463	875	1500	2312	3304	4112	-	8.9	2.3	626
BU12_195a_16	818	bdl	4.6	0.73	2.8	35	1	258	719	1447	2673	4488	6240	8509	11280	-2.0	7.8	1.4	592
BU12_195a_17	14	0.169	bdl	0.07	bdl	2	bdl	21	95	220	425	819	1484	2627	3772	-	17.1	0.8	561
BU12_195a_18	13	0.397	0.7	bdl	0.6	6	1	61	250	666	1375	2744	5400	10559	15280	-1.5	22.9	1.9	614
BU12_195a_19	836	0.506	2.2	1.67	6.0	27	4	117	192	334	575	913	1224	1894	2724	-1.1	8.2	21.6	814
BU12_195a_20	824	1.181	8.0	4.30	14.0	95	6	324	617	1037	1645	2488	3056	4149	5240	-1.5	5.1	9.4	736
BU12_195a_21	830	0.308	7.5	2.65	14.7	82	4	338	628	1016	1555	2375	2936	3969	4736	-1.6	4.7	6.7	707
BU12_195a_22	832	0.338	7.3	3.33	9.6	63	2	245	469	789	1322	2069	2788	3814	5084	-1.7	6.4	10.8	748
BU12_195a_25	831	0.241	5.8	1.20	5.3	40	3	194	408	686	1218	1875	2552	3584	4628	-1.5	6.7	6.7	707
BU12_195a_26	846	0.650	3.6	0.30	2.9	27	2	127	275	488	853	1375	1900	2671	3600	-1.5	7.4	9.5	736
BU12_195a_27	820	0.422	5.1	0.61	5.8	40	2	188	365	646	1127	1681	2288	3137	3920	-1.7	6.1	6.0	698
BU12_195a_28	822	0.063	4.3	0.31	2.8	28	2	161	318	565	984	1519	1988	2901	3752	-1.6	6.6	4.9	682
BU12_195a_30	841	0.422	5.2	1.11	3.7	27	1	152	392	740	1364	2144	3040	4286	5520	-2.0	7.5	3.1	648
BU12_195a_31	806	0.591	8.6	2.46	7.4	61	3	295	647	1102	1969	2988	4024	5534	6640	-1.7	6.0	6.4	703
BU12_195a_32	16	0.165	1.6	bdl	0.1	3	1	25	97	193	284	456	810	1348	1464	-0.8	7.6	1.1	579
BU12_195a_34	443	8.017	1.7	1.94	2.4	20	1	53	173	301	460	869	2072	5217	8080	-1.5	26.9	4.0	666

BU12_195a_35	838	0.105	5.6	0.88	3.8	55	1	330	828	1593	2818	4656	6360	8944	11360	-2.3	7.1	2.5	632
BU12_195a_36	826	0.759	6.6	1.59	7.6	82	2	440	1014	1874	3255	5213	6760	9255	11440	-2.0	6.1	6.2	701
BU12_195a_38	837	0.717	4.2	0.63	3.1	30	bdl	252	733	1463	2755	4556	6304	8522	11600	-	7.9	3.0	645
BU12_195a_39	15	0.675	bdl	bdl	0.2	3	bdl	26	98	209	351	564	896	1472	1740	-	8.3	1.4	594
BU12_195a_41	14	0.591	bdl	bdl	0.4	4	bdl	23	114	272	533	1081	1968	3696	5560	-	20.4	0.7	551
BU12_195a_42	826	bdl	4.7	0.33	1.7	24	1	131	324	598	1115	1813	2672	3727	5056	-1.9	8.5	3.6	658
BU12_195a_43	851	bdl	5.9	0.74	3.6	33	1	209	484	915	1687	2700	3716	5124	6484	-2.0	7.1	3.4	654
BU12_195a_44	849	bdl	bdl	bdl	bdl	bdl	bdl	312	578	1073	1800	2625	3720	5075	6800	-	6.3	4.7	679
BU12_195a_47	14	0.591	bdl	0.16	0.2	4	bdl	40	141	408	878	1675	3276	6056	8360	-	20.5	1.8	611
BU12_195a_50	845	0.241	6.2	1.10	7.9	36	4	203	456	765	1389	2194	3004	4193	5440	-1.3	7.1	9.7	738
BU12_195a_54	699	3.460	3.6	1.60	2.8	31	1	221	606	1187	2255	3706	5360	7888	9840	-1.9	8.3	4.4	674
BU12_195a_61	14	0.802	bdl	0.00	0.0	3	bdl	16	83	191	347	706	1360	2236	3040	-	15.9	1.7	606
BU12_195a_65	849	0.000	5.4	0.76	3.0	38	1	233	639	1289	2338	3763	5264	7503	9440	-	7.3	1.9	615
BU12_195a_66	849	0.485	5.4	0.47	3.4	39	1	262	697	1435	2527	3975	5648	7547	10480	-2.1	7.3	2.1	620
BU12_195a_68	483	0.844	bdl	0.05	0.1	8	bdl	66	301	660	1122	2206	4640	10888	16040	-	24.3	2.2	623
BU12_195a_69	479	0.257	bdl	0.28	0.2	5	bdl	51	236	526	900	1684	3864	8516	11840	-	22.5	1.9	614
BU12_195a_70	807	0.506	3.2	1.09	2.5	17	1	116	228	404	715	1169	1604	2391	3180	-1.6	7.9	9.9	740
BU12_195a_71	823	0.000	3.2	0.52	2.0	20	1	123	273	518	976	1606	2292	3466	4316	-1.8	8.3	3.7	661
BU12_195a_72	824	0.422	3.9	0.42	2.5	39	1	281	736	1573	3000	5075	6920	9497	12480	-1.9	7.9	2.4	630
BU12-200a: Foliation-parallel coarse-grained leucosome (UTM: 3160442.8, 3070867.6)																			
BU12-200a_01a	20	0.072	0.9	0.85	1.4	11	5	105	326	659	1047	1696	2596	3888	4252	-0.9	6.5		
BU12-200a_02a	20	bdl	2.3	11.40	1.8	23	8	188	696	1362	2035	3331	5000	7652	7888	-0.9	5.8		
BU12-200a_03a	20	0.017	1.9	22.26	1.2	12	6	134	483	976	1484	2531	3556	5441	5816	-0.8	6.0		
BU12-200a_04a	18	0.042	3.6	27.80	12.3	66	6	211	454	789	1150	1731	2547	3988	4333	-1.3	5.5		
BU12-200a_05a	18	bdl	1.3	4.62	0.2	9	4	81	322	715	1156	1856	2800	4286	4624	-0.8	6.5		
BU12-200a_06a	17	bdl	0.6	0.01	0.4	9	1	65	229	578	955	1664	2308	3807	4388	-1.3	7.6		
BU12-200a_07a	18	0.181	0.7	0.15	0.5	7	1	71	244	559	951	1562	2316	3528	3920	-1.5	7.0		
BU12-200a_02b	20	bdl	2.7	0.25	3.5	22	8	196	878	1411	2327	3988	6116	8435	8912	-0.9	6.3		
BU12-200a_03b	18	0.027	2.7	bdl	2.0	15	4	146	578	1033	1949	2944	4648	6280	6840	-1.1	6.6		
BU12-200a_04b	19	bdl	1.8	0.95	0.1	20	3	140	408	846	1247	2056	3104	4696	5004	-1.3	5.9		
BU12-200a_05b	20	0.005	2.2	0.84	2.3	26	8	167	456	866	1307	2169	2980	4944	5396	-0.9	6.2		
BU12-200a_06b	20	bdl	1.1	bdl	1.5	10	2	74	331	598	1013	1738	2720	4000	4832	-1.0	8.1		
BU12-200a_07b	19	0.033	1.0	0.28	0.2	7	3	111	328	724	1409	2563	4052	6348	7648	-1.0	10.6		
BU12-200a_08b	13	0.016	0.8	0.03	bdl	9	bdl	81	297	573	1109	2106	3492	5789	7808	-	13.6		
BU12-200a_09b	16	0.022	1.1	0.08	0.0	4	2	74	282	604	1104	1938	2936	4124	5144	-1.0	8.5		
BU12-200a_11b	18	0.007	1.5	bdl	2.5	10	5	164	678	1224	2378	4000	4984	6882	8480	-0.9	6.9		
BU12-200a_12b	19	bdl	0.8	0.65	bdl	8	6	127	408	768	1387	2388	3332	5391	6780	-0.7	8.8		
BU12-200a_14b	20	0.010	0.8	0.00	bdl	2	2	53	233	476	736	1338	2056	3137	3560	-0.8	7.5		
BU12-200a_15b	19	0.024	1.5	0.17	bdl	18	4	135	539	1138	2015	3106	4208	5764	6612	-1.1	5.8		
BU12-200a_16b	18	bdl	0.5	bdl	2.4	4	6	121	455	950	1718	2856	3952	5683	6924	-0.6	7.3		
BU12-200a_17b	18	bdl	0.7	bdl	bdl	11	1	107	364	797	1473	2581	3560	4932	6192	-1.6	7.8		
BU12-200a_18b	17	0.068	0.7	bdl	1.1	11	3	110	456	862	1591	2669	3456	4839	5992	-1.1	7.0		
BU12-200a_19b	19	0.031	2.4	bdl	11.4	34	15	372	833	1093	1618	2425	3484	4708	5724	-0.9	5.2		
BU12-200a_20b	20	0.008	0.6	1.12	bdl	6	4	72	367	696	1084	1731	2648	3994	4392	-0.7	6.3		
BU12-200a_22b	20	bdl	bdl	bdl	0.5	8	2	99	503	1000	1498	2531	3404	5205	5756	-1.1	5.8		
BU12-200a_24b	20	bdl	1.5	1.57	1.1	14	6	190	806	1573	2567	4106	5992	8534	9956	-0.9	6.3		
BU12-200a_25b	18	0.021	bdl	0.06	0.7	1	1	70	368	630	1138	1893	2932	4708	6428	-1.0	10.2		
BU12-200a_26b	17	0.211	0.7	bdl	0.4	11	bdl	63	246	524	960	1700	2436	3981	5132	-	9.8		
BU12-200a_27b	20	bdl	1.8	bdl	0.1	18	2	108	408	976	1600	2625	3400	5634	6280	-1.4	6.4		

BU12-200a_28b	21	bdl	1.8	bdl	bdl	11	1	98	383	879	1462	2544	3096	4938	5724	-1.7	6.5		
BU12-200a_29b	20	bdl	4.3	17.20	1.5	19	12	180	661	1150	1707	2931	4196	6373	6716	-0.7	5.8		
BU12-200a_30b	19	bdl	bdl	0.55	bdl	13	3	78	311	768	1182	2006	2824	4665	5384	-1.0	7.0		
BU12-200a_31b	20	bdl	1.7	1.06	bdl	5	4	125	519	1004	1593	2700	3932	6012	7124	-0.8	7.1		
BU12-200a_32b	20	0.031	1.7	bdl	bdl	7	1	101	399	911	1522	2625	3768	5994	7052	-1.6	7.7		
BU12-200a_33b	20	0.007	0.8	bdl	bdl	7	6	71	322	703	1125	1863	2596	4298	5148	-0.6	7.3		
BU12-200a_34b	17	bdl	1.2	0.20	0.1	6	6	120	328	711	1273	2156	2920	4578	5448	-0.7	7.7		
BU12-200a_36b	18	bdl	0.8	bdl	0.2	10	4	82	293	711	1311	2069	3088	5280	6744	-0.9	9.5		
BU12-200a_37b	20	0.009	1.0	0.24	bdl	12	3	97	404	846	1438	2569	3600	5298	7444	-1.1	8.8		
BU12-200a_40b	20	bdl	1.4	0.43	0.9	15	4	128	450	955	1625	2513	3960	6565	7980	-1.0	8.4		
BU12-200b: Foliation-parallel fine-grained leucosome (UTM: 3160442.8, 3070867.6)																			
BU12-200b_05	18	bdl	2.9	0.05	3.4	24	9	202	744	1427	2535	3469	4300	6186	6416	-0.9	4.5		
BU12-200b_06	20	bdl	2.3	bdl	4.8	36	11	173	483	732	1093	1838	2388	3876	4488	-0.8	6.1		
BU12-200b_07	21	0.010	2.1	bdl	3.3	22	11	151	428	715	1145	2181	2936	5180	6704	-0.7	9.4		
BU12-200b_10	21	bdl	5.5	bdl	3.4	36	16	316	892	1768	2744	3469	4160	5565	5652	-0.8	3.2		
BU12-200b_11	20	0.190	1.7	bdl	0.4	7	0	111	392	887	1416	2031	2752	4211	4356	-2.7	4.9		
BU12-200b_12	19	0.030	1.5	bdl	0.4	8	2	117	417	852	1344	2425	2984	4429	4768	-1.2	5.6		
BU12-200b_15	18	bdl	bdl	2.26	bdl	12	6	106	414	813	1320	2231	2920	4242	4740	-0.8	5.8		
BU12-200b_18	20	bdl	0.6	bdl	0.3	5	3	54	179	448	744	1166	1768	2727	2692	-0.8	6.0		
BU12-200b_22	bdl	bdl	bdl	1.82	6.0	45	21	197	328	424	504	672	804	1206	1492	-0.7	3.5		
BU12-200b_28	24	0.026	1.5	bdl	1.1	14	3	102	272	516	805	1263	1684	2484	3092	-1.0	6.0		
BU12-200b_29	25	bdl	bdl	0.61	2.3	30	5	124	358	642	1009	1775	2164	3398	4032	-1.1	6.3		
BU12-200b_32	574	0.033	####	19.68	29.8	161	58	248	272	293	342	413	364	455	510	-0.5	1.7		
BU12-200b_33	19	bdl	9.5	1.30	2.9	32	9	218	622	1077	1918	2631	3632	4832	5212	-0.9	4.8		
BU12-200b_34	18	bdl	4.4	4.09	1.2	24	8	201	725	1553	2455	3906	4940	7180	7800	-0.9	5.0		
BU12-200b_36	19	0.011	1.0	0.23	2.7	17	5	143	475	910	1731	2481	3444	4714	4932	-1.0	5.4		
BU12-200b_37	20	0.017	7.3	bdl	2.4	7	4	64	286	665	1053	1725	2524	3385	3808	-0.7	5.7		
BU12-200b_38	17	bdl	3.6	0.89	6.6	11	3	117	401	951	1555	2244	2968	4335	4408	-1.1	4.6		
BU12-200b_39	19	0.015	bdl	0.22	3.3	30	2	57	166	362	564	956	1424	2118	2248	-1.3	6.2		
BU12-200b_40	17	0.026	4.4	bdl	2.5	2	0	55	189	498	809	1339	1984	2963	3164	-1.4	6.4		
BU12-200b_41	18	0.018	4.4	bdl	2.8	14	7	131	497	996	1604	2375	3268	4267	4684	-0.8	4.7		
BU12-200b_42	19	0.034	2.3	0.11	2.2	8	3	114	400	996	1707	2656	3960	5714	6640	-1.0	6.7		
BU12-200b_43	19	bdl	8.3	bdl	1.9	9	bdl	67	258	654	1087	1775	2748	3950	4164	-	6.4		
BU12-200b_45	19	0.046	2.6	0.09	0.3	2	2	67	243	564	1004	1591	2436	3590	3580	-0.7	6.3		
BU12-200b_47	20	bdl	bdl	0.06	0.7	10	bdl	48	189	408	778	1184	1572	2571	2988	-	7.3		
BU12-200b_49	19	0.011	bdl	bdl	2.8	18	3	113	372	817	1527	2300	2912	4634	4844	-1.2	5.9		
BU12-205: Foliation-parallel leucosome (UTM: 312766.3, 3075600.4)																			
BU12_205_01a	392	0.549	bdl	0.14	bdl	2	bdl	13	61	140	299	638	1146	2130	3045	-	21.8	3.7	661
BU12_205_02a	19	bdl	bdl	bdl	2582.1	2230	277	1558	1496	1648	2234	3113	4680	7093	8862	-0.8	5.4	2.6	636
BU12_205_04a	675	3.249	####	6.14	11.3	67	5	236	453	836	1538	2480	4101	6373	8577	-1.4	10.3	9.3	735
BU12_205_06a	22	1.139	1.1	bdl	0.4	7	11	93	313	555	573	352	239	233	201	-0.4	0.4	4.6	677
BU12_205_07a	1643	0.169	33.6	2.68	7.3	61	4	167	346	547	963	1513	2142	2795	3829	-1.4	7.0	7.8	720
BU12_205_08a	1615	0.274	13.5	0.45	0.7	6	1	29	68	117	207	329	509	776	1053	-1.1	9.0	5.5	691
BU12_205_09a	19	0.380	bdl	0.19	bdl	8	5	106	402	766	1484	2456	4008	6255	8659	-0.7	11.3	1.2	581
BU12_205_10a	19	1.561	2.4	0.51	2.5	53	23	423	1058	1586	2216	3006	3725	5180	6098	-0.8	3.8	4.6	678
BU12_205_11a	626	1.561	7.7	bdl	0.4	11	1	46	75	145	277	488	842	1522	2236	-1.4	15.5	3.6	658
BU12_205_01b	775	bdl	8.3	3.02	11.8	75	12	293	543	895	1538	2256	3089	3876	5004	-1.1	5.6	4.9	682
BU12_205_07b	19	bdl	3.1	1.80	5.1	61	31	462	1163	1813	2436	3100	3968	5031	5732	-0.7	3.2	4.6	677
BU12_205_08b	26	0.023	bdl	0.37	bdl	6	1	29	75	117	233	349	745	1242	1618	-1.0	13.8	0.5	533

BU12_205_09b	504	bdl	17.6	2.26	6.7	39	15	226	438	801	1474	2306	3150	4578	6057	-0.8	7.6	4.5	675
BU12_205_10b	458	0.022	14.0	0.66	2.9	29	9	148	316	586	1062	1600	2312	3075	4224	-0.9	7.2	5.0	683
BU12_205_11b	19	bdl	2.3	0.31	2.3	44	23	378	1036	1762	2864	4375	5344	7379	9268	-0.8	5.3	3.8	663
BU12_205_13b	20	0.022	0.9	0.41	1.8	22	10	167	515	918	1542	2213	3401	5050	6301	-0.8	6.9	2.7	639
BU12_205_02c	20	0.422	1.2	0.37	1.7	27	10	173	416	613	846	1119	1526	1901	2520	-0.8	4.1	6.7	707
BU12_205_05c	20	0.215	1.0	bdl	0.5	9	7	77	255	470	793	1369	2158	3832	4720	-0.6	10.0	2.9	643
BU12_205_06c	20	0.063	0.5	0.45	0.6	12	8	102	289	548	973	1594	2818	4814	6179	-0.6	11.3	1.6	602
BU12_205_01d	20	0.675	4.7	1.51	3.9	67	28	451	1139	1910	3004	4013	4899	6944	8537	-0.8	4.5	4.2	670
BU12_205_02d	20	0.131	4.0	0.44	2.2	53	18	371	953	1531	2363	3469	4142	6224	7358	-0.9	4.8	3.6	659
BU12_205_04d	499	0.002	16.7	0.59	4.4	37	12	196	398	715	1242	1931	2668	3963	4866	-0.8	6.8	5.7	694
BU12_205_05d	443	3.165	58.7	7.54	20.4	123	69	518	1050	1598	2747	4669	5830	8509	10650	-0.6	6.7	8.2	724
BU12_205_06d	19	0.207	2.9	0.71	2.7	50	22	401	909	1473	2018	2719	3332	4522	5561	-0.8	3.8	6.5	704
BU12_205_11d	20	0.684	1.0	0.73	2.6	22	6	122	380	730	1137	1869	2915	5360	7073	-0.9	9.7	2.6	635
BU12_205_13d	526	16.624	12.1	7.11	11.4	24	5	68	137	209	405	663	943	1404	1858	-0.9	8.9	2.8	640
BU12_205_14d	1106	0.156	10.1	1.16	4.0	25	11	128	220	344	650	913	1166	1714	2248	-0.7	6.5	4.4	674
BU12_205_15d	20	0.730	2.0	1.95	3.5	53	16	324	839	1332	1978	2644	3425	5280	6789	-0.9	5.1	2.6	635
BU12_205_18d	19	2.110	2.9	5.82	12.7	81	15	292	731	1125	1661	2644	4089	6857	8740	-1.0	7.8	3.7	660
BU12-207a: Sillimanite metapelite (UTM: 313108.2, 3076823.5)																			
BU12-207a_01	1021	bdl	27.7	bdl	2.5	7	3	54	117	248	418	733	1156	1870	2596	-0.8	10.5		
BU12-207a_02	1098	bdl	18.4	bdl	24.1	81	20	301	642	1210	1807	2938	3968	5516	6704	-0.9	5.5		
BU12-207a_03	976	0.173	####	bdl	14.4	43	10	192	367	699	1122	1644	2200	3186	4080	-1.0	5.8		
BU12-207a_04	1080	0.034	17.9	bdl	2.6	20	4	114	256	533	998	1731	2544	3994	5376	-1.1	10.1		
BU12-207a_06	1170	bdl	23.0	bdl	6.1	22	32	93	179	269	484	798	1120	1779	2424	-0.2	9.0		
BU12-207a_11	692	bdl	bdl	10.22	31.9	53	23	324	533	925	1373	2044	2728	3665	4284	-0.7	4.6		
BU12-207a_12	2425	bdl	5.2	bdl	0.4	bdl	3	5	13	38	94	273	697	1455	2329	-	61.0		
BU12-207a_14	34	0.008	7.8	0.41	0.8	bdl	bdl	1	14	36	62	114	196	315	329	-	9.1		
BU12-207a_15	1405	0.768	bdl	6.77	3.0	4	1	6	19	40	94	145	207	309	298	-0.7	7.4		
BU12-207a_16	28	0.042	19.6	3.54	20.1	74	31	441	714	1220	1996	2970	3992	5453	5920	-0.8	4.9		
BU12-207a_17	31	bdl	bdl	bdl	bdl	0	1	4	24	76	222	419	629	1027	1088	-0.1	14.2		
BU12-207a_19	566	bdl	81.6	0.40	2.2	21	10	177	460	854	1527	2200	3073	4205	4671	-0.8	5.5		
BU12-207a_21	1469	bdl	21.2	0.39	2.3	11	7	78	161	317	629	987	1426	2342	2676	-0.6	8.5		
BU12-207a_22	1541	bdl	13.1	2.14	6.1	31	34	195	379	613	1182	1881	2716	4130	4732	-0.4	7.7		
BU12-207a_23	1563	bdl	47.3	0.86	3.6	38	22	124	231	374	644	1010	1364	2155	2600	-0.5	7.0		
BU12-207a_24	1102	bdl	26.1	2.73	4.6	41	26	191	411	696	1340	2075	2924	4366	4948	-0.5	7.1		
BU12-207a_25	1018	0.080	####	8.17	27.4	147	114	402	786	1125	2109	3244	4564	6975	7892	-0.3	7.0		
BU12-207a_27	1589	0.008	16.5	1.56	0.8	bdl	1	19	46	127	316	659	1364	2758	3544	-	27.9		
BU12-207a_28	878	bdl	bdl	2.26	0.1	2	4	25	92	239	491	996	1768	3217	3976	-0.2	16.6		
BU12-207a_29	889	0.097	6.4	2.26	7.2	69	12	329	553	793	1218	1570	2032	2770	2880	-1.1	3.6		
BU12-207a_30	390	0.181	bdl	1.25	4.2	49	10	260	359	604	805	1051	1444	1982	2228	-1.0	3.7		
BU12-207a_31	1059	0.040	3.9	1.29	4.3	26	6	154	328	517	930	1367	1919	2801	3301	-1.1	6.4		
BU12-207a_32	502	0.013	14.2	bdl	3.2	45	6	155	374	595	1031	1506	2148	3118	3504	-1.2	5.9		
BU12-207a_33	1103	bdl	48.1	bdl	2.9	15	11	83	180	323	618	1004	1596	2491	3008	-0.5	9.3		
BU12-207a_34	488	0.321	6.7	0.99	4.8	36	18	158	273	500	891	1406	1952	2913	3324	-0.6	6.6		
BU12-207a_35	945	bdl	7.5	0.46	bdl	11	28	58	71	134	255	561	1031	2099	3180	0.0	23.8		
BU12-207a_37	1483	0.008	37.8	0.03	3.3	24	3	153	298	589	1125	1850	2777	4298	5211	-1.3	8.8		
BU12-207a_44	1027	bdl	32.0	1.13	8.5	82	27	264	446	674	1095	1549	2134	2938	3236	-0.7	4.8		
BU12-207a_45	1154	bdl	23.0	0.88	9.8	63	26	237	381	561	980	1368	1796	2658	2788	-0.7	5.0		
BU12-207a_46	472	0.139	52.2	0.83	1.9	24	12	90	173	337	625	1038	1424	2099	2520	-0.6	7.5		
BU12-207a_48	1065	0.005	1.8	1.70	10.2	58	7	210	308	549	885	1338	1932	2807	3220	-1.2	5.9		

BU12-207a_50	905	bdl	93.0	0.12	3.2	22	10	82	166	290	535	925	1595	2447	3033	-0.6	10.4
BU12-207a_52	1311	bdl	####	55.16	70.7	159	60	402	508	826	1138	1699	2260	3068	3172	-0.6	3.8
BU12-207a_53	387	bdl	bdl	bdl	0.5	10	1	75	140	264	360	646	976	1352	1540	-1.5	5.8
BU12-207a_54	1163	bdl	52.2	3.55	7.2	63	15	180	278	467	727	1131	1728	2472	2840	-0.8	6.1
BU12-207a_56	36	bdl	26.1	60.22	3.9	49	9	160	327	489	860	1343	1804	2720	2936	-1.0	6.0
BU12-207a_57	1020	bdl	bdl	bdl	bdl	0	1	2	18	52	124	329	674	1048	1188	0.3	22.8
BU12-207a_60	339	bdl	2.0	0.54	bdl	0	3	15	56	152	287	549	903	1345	1756	0.2	11.6
BU12-207a_64	1057	bdl	23.2	bdl	11.2	64	53	162	261	529	923	1366	2097	3416	3870	-0.3	7.3
BU12-207b: Foliation-parallel leucosome (UTM: 313108.2, 3076823.5)																	
BU12-207b_01a	24	bdl	3.6	0.59	0.4	11	2	91	364	809	1407	2050	3073	4149	4496	-1.2	5.6
BU12-207b_04a	26	bdl	3.7	0.68	2.1	24	3	130	421	1007	1538	1863	2028	2547	2797	-1.3	2.8
BU12-207b_05a	18	bdl	3.4	0.22	0.4	17	5	71	338	841	1667	2625	4267	7000	9378	-0.8	11.1
BU12-207b_06a	25	0.018	2.1	0.40	0.6	11	2	40	137	298	416	731	1049	1559	1833	-1.0	6.2
BU12-207b_09a	18	0.016	5.4	bdl	1.2	25	10	232	366	1919	2949	5050	8360	12366	15813	-0.9	8.2
BU12-207b_10a	25	0.028	5.5	bdl	0.0	16	5	164	463	1081	1593	2281	2749	3789	3715	-1.0	3.4
BU12-207b_11a	18	0.003	5.5	1.54	0.9	17	10	83	291	837	1245	2788	4579	7385	8988	-0.6	10.7
BU12-207b_13a	26	0.046	2.6	0.52	4.8	14	3	123	216	633	989	1567	2567	3640	4707	-1.1	7.4
BU12-207b_14a	27	bdl	1.7	0.50	5.3	11	3	86	116	366	632	894	1389	2043	2569	-1.0	7.0
BU12-207b_15a	20	bdl	1.7	0.67	1.2	7	2	27	97	288	467	975	1802	3230	4374	-0.8	15.2
BU12-207b_18a	18	0.067	2.9	bdl	0.9	6	4	78	102	614	976	1921	3344	5255	6862	-0.7	11.2
BU12-207b_19a	24	bdl	3.9	0.67	3.0	9	1	174	155	1098	2125	2588	3923	5012	5211	-1.5	4.7
BU12-207b_22a	19	bdl	4.1	bdl	3.0	13	6	123	255	980	2106	2846	5198	8429	11146	-0.8	11.4
BU12-207b_23a	18	0.030	1.4	0.24	0.8	5	3	48	86	383	1044	1501	2462	4398	5833	-0.7	15.2
BU12-207b_24a	19	0.076	2.8	bdl	bdl	7	5	70	609	719	1300	2280	3713	6143	8085	-0.6	11.3
BU12-207b_25a	18	0.000	6.3	bdl	bdl	8	7	145	970	1055	2033	3006	5121	8484	11016	-0.7	10.4
BU12-207b_26a	18	0.063	3.4	bdl	bdl	11	6	100	576	825	1722	2538	4372	7087	9297	-0.7	11.3
BU12-207b_27a	23	0.013	2.0	0.61	1.8	4	4	64	720	435	696	1313	1955	3286	4037	-0.6	9.3
BU12-207b_28a	24	0.139	3.8	0.75	0.9	8	3	85	526	665	1172	1638	2304	3137	3455	-0.9	5.2
BU12-207b_29a	18	bdl	2.1	1.19	1.8	5	4	44	188	370	668	1308	2231	3677	4980	-0.6	13.5
BU12-207b_30a	18	0.093	4.4	0.86	0.6	7	4	82	449	756	1291	2431	3903	6441	7980	-0.8	10.6
BU12-207b_31a	18	0.004	4.9	0.37	1.1	31	20	210	1551	1642	2344	4525	7543	12404	15447	-0.6	9.4
BU12-207b_33a	20	0.003	2.4	bdl	bdl	14	8	92	573	700	1117	2056	3300	4932	6557	-0.7	9.4
BU12-207b_34a	18	bdl	4.8	0.40	0.5	12	5	76	244	729	2015	2594	4113	6938	8768	-0.7	12.0
BU12-207b_36a	15	bdl	1.0	0.14	0.7	5	7	41	416	360	390	1189	1927	3410	4419	-0.3	12.3
BU12-207b_37a	18	bdl	3.6	0.23	bdl	2	6	54	438	637	934	1975	3239	5304	7004	-0.2	11.0
BU12-207b_38a	25	0.030	1.6	0.18	bdl	0	2	35	125	300	427	829	1190	1723	1874	-0.3	6.3
BU12-207b_39a	25	0.148	3.0	0.20	1.9	25	6	75	321	559	1026	1466	2020	2981	3565	-0.9	6.4
BU12-207b_40a	25	bdl	3.2	bdl	6.5	49	5	153	440	783	1126	1963	2814	4137	4992	-1.3	6.4
BU12-207b_41a	26	0.017	7.7	0.05	3.3	51	5	244	742	2049	2766	3663	4121	5379	5476	-1.3	2.7
BU12-207b_42a	23	0.093	4.9	0.14	2.6	21	2	75	371	685	1081	1649	2166	3037	3472	-1.4	5.1
BU12-207b_43a	15	bdl	1.1	0.32	2.1	11	4	30	166	356	588	1119	1947	3217	4504	-0.7	12.6
BU12-207b_44a	17	0.198	0.7	0.18	2.3	10	2	41	86	305	498	938	1482	2683	3683	-1.1	12.1
BU12-207b_46a	17	bdl	3.2	0.18	1.9	29	7	172	548	1463	1996	3494	5215	8031	10374	-1.0	7.1
BU12-207b_47a	17	0.549	2.3	0.38	0.7	10	6	75	163	579	1850	1819	3328	5739	6955	-0.7	12.0
BU12-207b_49a	27	0.008	3.5	0.61	1.1	11	5	118	313	780	1333	1368	1717	2112	2170	-0.8	2.8
BU12-207b_51a	20	bdl	2.4	0.22	0.8	8	3	58	100	381	806	1175	1810	3037	3691	-0.8	9.7
BU12-207b_52a	14	0.042	1.1	0.20	0.7	3	5	59	80	484	1447	1578	2518	4571	5654	-0.4	11.7
BU12-207b_55a	16	0.084	1.0	0.32	1.2	3	4	35	141	274	623	989	1883	3236	4492	-0.5	16.4
BU12-207b_56a	17	0.038	3.6	0.10	2.2	14	9	152	399	1073	2106	3244	5709	9342	11545	-0.7	10.8

BU12-207b_57a	25	0.004	2.9	0.00	1.7	3	2	61	111	451	842	1206	1733	2354	2504	-0.9	5.5		
BU12-207b_58a	23	0.008	4.4	0.54	1.4	11	3	114	205	782	1227	1988	2806	3857	4285	-1.0	5.5		
BU12-207b_59a	18	0.046	2.0	0.22	0.8	12	6	101	241	744	1385	2519	4243	7590	9467	-0.8	12.7		
BU12-207b_60a	24	0.042	2.4	0.16	1.3	7	1	65	161	385	658	1089	1494	2043	2285	-1.3	5.9		
BU12-207b_61a	19	0.020	2.5	0.74	1.4	5	6	70	202	548	1044	1994	3142	5155	6715	-0.5	12.3		
BU12-207b_63a	14	bdl	1.5	0.16	0.1	9	6	60	141	566	934	1706	2838	5255	6386	-0.6	11.3		
BU12-207b_64a	17	bdl	1.8	0.37	0.7	11	6	58	80	559	773	1688	2717	4758	6102	-0.6	10.9		
BU12-207b_65a	22	0.062	1.2	0.72	1.6	9	1	40	64	241	319	702	1024	1627	2057	-1.2	8.5		
BU12-207b_66a	18	bdl	1.5	0.08	0.7	2	1	31	465	472	478	1431	2320	4025	4943	-0.9	10.5		
BU12-207b_67a	18	bdl	3.2	0.28	1.5	3	4	58	1939	1398	1007	2023	3741	5696	7728	-0.5	5.5		
BU12-207b_68a	18	0.072	4.0	0.26	1.2	10	8	109	1108	1093	1079	3031	4725	7503	9553	-0.6	8.7		
BU12-207b_70a	19	0.063	2.3	0.83	2.8	21	6	96	119	451	608	976	1393	2019	2171	-0.9	4.8		
BU12-207b_71a	24	0.000	2.7	0.25	0.8	7	3	64	105	561	934	1659	2182	3199	3602	-0.8	6.4		
BU12-207b_72a	23	0.177	2.6	0.18	1.7	16	3	76	214	286	427	533	594	869	926	-1.1	3.2		
BU12-207b_02b	14	0.342	1.1	bdl	bdl	4	4	55	176	524	865	1582	2404	4174	5092	-0.6	9.7		
BU12-207b_03b	19	bdl	2.7	bdl	0.1	7	4	79	205	666	1287	2244	3668	6087	7076	-0.7	10.6		
BU12-207b_05b	19	bdl	1.7	0.13	0.4	5	3	54	165	487	991	1711	2733	4677	5756	-0.8	11.8		
BU12-207b_06b	18	0.025	3.0	0.17	0.6	7	7	75	211	676	1291	2225	3868	6447	7140	-0.5	10.6		
BU12-207b_07b	23	bdl	5.1	bdl	bdl	12	4	124	324	867	1471	2159	2868	3932	3756	-0.9	4.3		
BU12-207b_09b	22	bdl	1.8	bdl	bdl	4	1	44	206	347	634	1100	1785	3161	3728	-1.1	10.8		
BU12-209: Cross-cutting pegmatite (UTM:314477.77, 3078477.26)																			
BU12_209_01a	25	0.089	4.2	0.13	0.2	6	2	79	261	625	1079	1438	2336	3404	3504	-1.0	5.6	0.6	539
BU12_209_03a	25	0.304	3.7	bdl	0.4	7	1	80	292	600	1048	1476	2368	3255	3297	-1.2	5.5	1.3	590
BU12_209_04a	26	0.219	4.5	0.05	0.2	11	4	122	438	926	1505	2031	3138	4435	4691	-1.0	5.1	1.2	583
BU12_209_06a	23	0.072	2.2	bdl	0.1	9	3	78	263	550	976	1356	1972	2727	2841	-0.9	5.2	0.3	505
BU12_209_07a	26	0.536	9.0	0.86	1.9	34	8	301	970	1891	3132	4331	6575	8609	10041	-1.1	5.3	0.8	555
BU12_209_08a	24	0.295	2.3	0.19	0.4	5	2	52	186	426	720	1094	1765	2398	2711	-1.0	6.4	0.9	568
BU12_209_10a	26	2.228	6.2	1.99	2.8	25	6	162	515	1035	1789	2519	3838	5590	6268	-1.0	6.1	5.2	687
BU12_209_12a	26	0.228	2.1	0.32	0.7	9	2	76	270	518	780	1031	1470	1783	1980	-1.2	3.8	0.9	567
BU12_209_13a	24	0.527	4.4	0.42	1.0	19	5	171	587	1160	1844	2256	3340	4292	4159	-1.1	3.6	1.0	570
BU12_209_14a	25	0.249	2.3	0.23	0.5	6	2	56	201	417	722	1038	1717	2460	2472	-0.9	5.9	0.9	565
BU12_209_17a	25	0.899	2.9	0.74	2.0	19	6	102	341	664	1147	1719	2919	4807	5492	-0.9	8.3	1.9	615
BU12_209_18a	27	0.565	10.7	0.04	1.0	32	9	350	1133	2156	3553	4475	6931	10050	10260	-1.1	4.8	1.2	583
BU12_209_19a	19	0.110	1.4	0.02	0.1	5	2	69	266	547	1062	1588	2462	3789	4350	-0.9	8.0	1.2	584
BU12_209_20a	22	1.308	3.8	0.23	0.7	6	2	71	248	570	1033	1538	2198	3286	3577	-0.9	6.3	1.2	584
BU12_209_21a	26	7.215	3.3	4.31	6.1	29	6	151	319	574	1018	1575	2393	3553	4553	-1.0	7.9	6.0	698
BU12_209_22a	23	0.772	2.8	0.26	0.4	6	3	86	264	609	1093	1688	2332	3435	3585	-1.0	5.9	0.9	565
BU12_209_23a	24	3.165	2.5	0.39	0.5	6	3	69	213	455	806	1219	1789	2565	2776	-0.8	6.1	1.7	606
BU12_209_24a	24	12.236	2.2	0.86	0.7	6	1	57	182	400	654	1053	1551	2342	2313	-1.1	5.8	2.1	620
BU12_209_25a	25	bdl	2.8	1.25	1.2	10	2	70	225	461	701	1194	1599	2540	2459	-1.2	5.3	1.8	608
BU12_209_26a	21	bdl	2.6	1.24	1.7	13	6	130	359	785	1418	2369	2883	4068	4756	-0.8	6.1	1.6	602
BU12_209_27a	20	bdl	2.9	0.33	0.7	13	7	145	457	961	1764	2931	3672	5236	6252	-0.8	6.5	1.1	576
BU12_209_28a	21	bdl	1.9	0.24	0.7	5	3	45	152	355	645	1094	1441	2193	2472	-0.7	7.0	1.1	578
BU12_209_29a	22	bdl	2.3	0.47	0.9	4	2	63	219	484	857	1419	1834	2547	2780	-0.8	5.7	1.0	574
BU12_209_30a	26	bdl	5.9	7.33	10.5	62	9	372	895	1473	2018	2738	3211	4068	4476	-1.2	3.0	4.9	681
BU12_209_32a	21	0.899	5.6	0.22	1.4	27	16	264	798	1625	2658	3988	5138	6429	7195	-0.7	4.4	1.4	595
BU12_209_33a	25	0.958	3.1	0.50	1.1	9	2	69	243	504	861	1406	2045	2752	2821	-1.1	5.6	2.0	618
BU12_209_34a	25	2.700	3.9	2.36	3.9	34	3	131	332	571	890	1450	2174	3211	3524	-1.3	6.2	3.6	658
BU12_209_35a	22	1.806	3.8	1.20	1.8	10	2	72	238	500	930	1544	2219	3155	3829	-1.2	7.7	2.9	642

BU12_209_36a	17	0.519	2.9	0.36	0.7	8	2	77	248	566	989	1688	2866	4211	5285	-1.1	9.3	1.8	610
BU12_209_38a	25	0.236	4.6	0.58	2.6	18	4	99	335	680	1114	1706	2644	3696	3724	-1.0	5.5	0.6	541
BU12_209_39a	17	0.177	2.3	0.13	0.2	4	1	63	201	446	782	1319	2324	3571	4715	-1.2	10.6	1.1	579
BU12_209_40a	25	1.021	3.1	1.25	3.0	20	2	93	248	513	793	1131	1915	2435	2707	-1.3	5.3	3.7	661
BU12_209_41a	21	0.759	3.8	0.46	0.4	7	3	70	226	496	921	1400	2271	2988	3622	-0.9	7.3	1.2	586
BU12_209_43a	26	1.751	4.6	1.76	3.0	28	5	244	765	1406	1978	2381	2996	3348	3500	-1.2	2.5	5.1	685
BU12_209_44a	20	0.198	3.2	0.02	0.5	14	6	148	490	1016	1850	2731	3992	5075	6260	-0.9	6.2	1.3	591
BU12_209_45a	20	1.055	3.0	0.84	2.2	20	6	136	443	809	1463	2006	2721	3584	4390	-0.9	5.4	1.4	591
BU12_209_46a	20	0.502	2.5	0.40	1.1	13	5	147	485	988	1888	3038	3988	4957	6220	-1.0	6.3	1.8	608
BU12_209_47a	18	0.076	2.4	0.11	0.4	9	2	85	307	594	1200	1869	3154	4925	6382	-1.1	10.7	1.1	576
BU12_209_48a	22	0.122	2.8	bdl	bdl	5	2	37	144	310	625	963	1437	2075	2557	-0.9	8.2	0.6	538
BU12_209_50a	25	1.730	3.8	0.37	0.7	9	3	104	393	734	1385	2063	3093	4273	5073	-1.1	6.9	2.0	617
BU12_209_51a	24	3.502	2.6	0.72	2.3	18	5	82	252	477	844	1319	1737	2590	3171	-0.9	6.7	2.9	643
BU12_209_52a	22	3.418	3.3	0.37	0.7	10	2	55	199	404	767	1181	1737	2720	3065	-1.0	7.6	1.7	605
BU12_209_53a	25	7.257	5.3	0.50	1.2	14	5	133	507	973	1679	2388	3372	4851	5041	-0.9	5.2	1.8	611
BU12_209_54a	24	bdl	2.8	0.85	1.7	15	3	74	247	485	819	1219	1741	2404	2870	-1.0	5.9	2.5	633
BU12_209_55a	24	bdl	2.7	0.18	0.2	4	1	46	153	348	645	1003	1547	2292	2650	-1.1	7.6	1.8	609
BU12_209_56a	22	bdl	3.4	0.37	0.9	7	4	52	195	450	848	1237	1935	2770	3159	-0.7	7.0	1.6	601
BU12_209_57a	23	bdl	2.5	0.85	2.1	16	2	88	282	527	993	1450	2429	3646	4606	-1.2	8.7	3.7	661
BU12_209_01b	21	bdl	3.8	0.05	0.1	5	4	59	242	563	980	1519	2372	3534	4110	-0.7	7.3	0.2	487
BU12_209_02b	25	12.152	3.5	2.78	4.4	37	7	157	382	645	1097	1763	2883	4528	5870	-1.0	9.1	6.3	702
BU12_209_03b	23	0.549	4.1	bdl	0.1	13	3	106	413	898	1495	2213	3283	4571	5264	-1.1	5.9	1.1	576
BU12_209_04b	25	5.696	2.5	1.49	3.2	26	6	124	327	648	1147	2156	3219	5075	6707	-1.0	10.3	6.3	702
BU12_209_05b	23	1.350	2.3	0.19	0.3	7	2	94	338	727	1231	1788	2862	4037	4524	-1.2	6.2	1.0	573
BU12_209_06b	487	0.114	####	1.88	3.9	31	29	153	352	629	1266	2150	3441	5466	7561	-0.4	12.0	bdl	-
BU12_209_07b	21	1.224	4.0	0.05	0.3	5	3	62	240	510	927	1513	2211	3087	3756	-0.8	7.4	0.4	513
BU12_209_09b	21	0.928	4.1	bdl	bdl	9	4	68	236	523	949	1463	2267	3329	3951	-0.8	7.5	1.0	572
BU12_209_10b	20	0.717	2.2	bdl	0.4	13	6	126	452	945	1712	2544	3543	4894	5976	-0.8	6.3	1.7	605
BU12_209_11b	24	1.392	3.8	0.26	0.7	10	3	93	310	656	1035	1569	2425	3547	3878	-1.0	5.9	1.0	572
BU12-221: Migmatitic orthogneiss (UTM: 315276.2, 3085576.8)																			
BU12-221_09a	507	0.011	11.8	0.40	2.3	11	6	76	148	267	461	800	1008	1534	1784	-0.7	6.7		
BU12-221_10a	504	0.059	16.7	3.39	14.1	54	44	207	385	679	1202	1886	2376	3609	4076	-0.4	6.0		
BU12-221_12a	502	0.023	15.5	0.51	5.6	22	21	196	372	627	1118	1838	2324	3646	4224	-0.5	6.7		
BU12-221_13a	513	0.253	9.6	0.11	3.5	24	15	226	633	1309	2573	4706	6208	10242	10852	-0.7	8.3		
BU12-221_14a	498	bdl	15.5	0.90	4.0	31	12	144	300	556	958	1431	1856	2932	2908	-0.7	5.2		
BU12-221_15a	507	bdl	3.7	0.56	0.9	15	4	163	527	1122	2278	4025	6748	12857	15000	-1.0	13.4		
BU12-221_16a	495	bdl	5.0	0.56	1.5	30	6	244	753	1785	2978	5181	8832	16627	18280	-1.2	10.2		
BU12-221_17a	535	bdl	14.4	1.35	3.5	27	9	131	294	569	1022	1650	2092	3429	3704	-0.8	6.5		
BU12-221_18a	507	0.017	6.8	1.13	2.8	24	7	206	600	1233	2229	4119	6356	12025	13600	-1.0	11.0		
BU12-221_19a	514	0.177	14.3	26.88	2.5	23	5	231	586	1504	2964	5069	6876	11161	12372	-1.1	8.2		
BU12-221_22a	512	0.021	9.0	bdl	5.2	33	16	120	214	411	725	1052	1436	2124	2428	-0.6	5.9		
BU12-221_23a	482	bdl	42.1	0.75	9.2	72	26	414	872	1821	3255	4756	6320	8913	9280	-0.8	5.1		
BU12-221_24a	500	bdl	14.8	0.95	2.5	30	16	280	806	1780	3402	5644	7780	11807	13600	-0.8	7.6		
BU12-221_25a	492	0.000	26.1	bdl	9.8	57	24	367	694	1329	2364	3600	4756	6665	7096	-0.8	5.3		
BU12-221_26a	535	0.211	9.1	bdl	0.9	10	4	107	288	721	1169	2175	3368	5845	6600	-0.9	9.2		
BU12-221_27a	510	bdl	27.1	8.82	16.4	81	35	357	572	1073	1611	2231	2948	4087	4516	-0.7	4.2		
BU12-221_29a	505	bdl	23.8	2.94	14.4	76	46	424	747	1390	2245	3219	4284	6286	6824	-0.6	4.9		
BU12-221_30a	498	bdl	26.2	0.95	3.7	35	12	322	675	1480	2647	3781	5372	8267	9220	-1.0	6.2		
BU12-221_31a	494	0.017	7.8	0.29	3.2	35	10	356	986	2301	4122	6544	11160	19441	23600	-1.0	10.3		

BU12-221_32a	520	0.253	7.5	0.48	1.8	28	12	351	978	2065	3387	6400	10264	17453	20000	-0.9	9.7
BU12-221_34a	500	bdl	7.7	0.10	1.5	25	6	248	772	1720	3107	5275	8496	13627	15800	-1.1	9.2
BU12-221_35a	525	bdl	19.6	0.96	6.8	43	26	253	431	707	1184	1663	2148	3012	3404	-0.6	4.8
BU12-221_36a	502	bdl	21.4	0.31	1.9	21	9	175	374	753	1311	1956	2772	3795	4664	-0.8	6.2
BU12-221_37a	497	bdl	8.2	0.18	1.4	29	9	246	802	1837	3049	5269	8776	14478	17200	-1.0	9.4
BU12-221_38a	513	bdl	21.2	0.52	3.5	32	24	166	361	572	1007	1576	2112	3118	3520	-0.5	6.2
BU12-221_39a	505	0.359	26.8	0.27	2.0	24	11	174	400	821	1449	2213	3028	4385	4856	-0.8	5.9
BU12-221_40a	510	bdl	5.3	0.01	0.7	7	2	65	193	398	793	1325	2420	4043	5320	-1.0	13.4
BU12-221_41a	507	0.038	21.0	0.80	5.8	70	23	283	606	1055	1716	2363	3152	4671	5228	-0.8	5.0
BU12-221_43a	501	bdl	10.2	0.47	1.4	22	14	102	182	312	527	716	992	1259	1464	-0.5	4.7
BU12-221_44a	505	2.616	23.9	3.65	8.1	38	15	130	253	495	849	1275	1796	2596	3012	-0.7	6.1
BU12-221_46a	514	0.038	33.3	0.68	1.8	48	13	293	742	1524	2580	4225	6148	8491	9720	-0.9	6.4
BU12-221_47a	506	0.076	9.2	0.41	1.0	12	3	81	224	478	820	1406	2156	3180	3752	-1.1	7.8
BU12-221_48a	502	0.046	6.4	0.28	1.3	25	12	199	515	1016	1838	2963	4376	6248	6960	-0.8	6.8
BU12-221_49a	505	0.032	20.2	5.71	7.7	74	29	290	632	1106	1760	2694	3725	4907	5939	-0.7	5.4
BU12-221_50a	507	0.131	20.2	1.32	6.9	57	29	299	622	1106	1747	2688	3652	4907	5836	-0.6	5.3
BU12-221_51a	502	bdl	15.8	0.27	2.4	36	8	114	193	415	661	929	1300	1963	2100	-0.9	5.1
BU12-221_52a	504	0.025	18.9	1.17	4.8	41	23	207	386	644	1029	1425	1924	2658	3076	-0.6	4.8
BU12-221_53a	490	0.135	25.6	0.88	2.6	34	15	174	321	587	982	1438	1968	2702	3428	-0.7	5.8
BU12-221_54a	496	bdl	29.5	1.52	4.8	56	26	258	483	854	1362	1969	2640	3714	4164	-0.7	4.9
BU12-221_56a	501	0.143	10.7	0.88	3.1	24	9	127	282	486	864	1384	1928	2795	3424	-0.8	7.0
BU12-221_58a	525	bdl	0.3	bdl	0.5	6	0	14	63	134	207	382	680	1280	1532	-1.5	11.5
BU12-221_59a	508	0.017	9.5	0.58	3.5	29	17	147	292	554	938	1493	2092	3019	3604	-0.6	6.5
BU12-221_60a	513	0.165	8.6	0.18	1.2	29	9	274	719	1720	3345	5194	8000	11882	14400	-1.0	8.4
BU12-221_61a	531	bdl	11.4	bdl	0.9	18	6	127	377	789	1402	2356	3516	5304	6064	-0.9	7.7
BU12-221_62a	510	0.052	11.1	0.46	4.0	29	16	182	393	642	1178	1844	2504	3689	4040	-0.7	6.3
BU12-221_63a	520	0.169	20.7	0.53	1.6	25	15	167	355	699	1222	1756	2560	3814	4668	-0.6	6.7
BU12-221_64a	517	0.549	20.6	1.82	3.5	61	22	248	447	768	1262	1863	2400	3410	3736	-0.7	4.9
BU12-221_65a	495	0.042	29.7	5.16	10.2	124	83	423	775	1179	1693	2475	3120	4429	4760	-0.4	4.0
BU12-221_66a	506	0.013	26.9	0.72	2.3	47	15	198	443	826	1424	2441	3136	5050	5520	-0.8	6.7
BU12-221_67a	503	bdl	16.6	0.71	1.3	28	14	99	211	323	620	922	1280	1907	2104	-0.6	6.5
BU12-221_68a	518	bdl	8.2	0.54	0.9	11	8	54	118	199	365	564	767	1132	1423	-0.5	7.2
BU12-221_69a	504	0.025	14.2	0.61	1.2	28	6	143	376	665	1302	2163	3108	4932	5284	-1.0	8.0
BU12-221_70a	500	bdl	52.2	5.27	16.3	146	110	417	744	1044	1696	2550	3668	5932	6580	-0.4	6.3
BU12-221_71a	500	0.802	7.8	0.61	1.0	12	4	48	118	231	438	748	1088	1776	2088	-0.8	9.0
BU12-221_72a	23	0.156	1.8	0.22	0.4	3	1	20	112	318	693	1314	2008	3031	3128	-0.9	9.8
BU12-221_73a	475	0.127	10.9	0.90	3.6	62	12	408	1303	3220	4409	7588	11760	20373	22120	-1.1	6.9
BU12-221_74a	492	bdl	2.0	0.20	0.4	13	3	63	255	837	984	1831	3364	6901	8684	-0.9	10.4
BU12-221_75a	515	bdl	35.6	2.45	10.3	86	47	371	708	1850	1695	2544	3332	4745	4768	-0.6	2.6
BU12-221_76a	480	bdl	15.8	0.78	2.6	30	9	204	567	2293	1860	3175	4472	7404	7920	-1.0	3.5
BU12-221_77a	498	bdl	13.4	0.95	3.1	35	22	185	369	1675	1024	1544	2080	3280	3448	-0.6	2.1
BU12-221_78a	507	bdl	4.5	0.08	0.9	37	7	265	994	7033	2864	5113	9560	20118	22280	-1.1	3.2
BU12-221_79a	510	0.110	4.5	0.26	1.4	31	9	239	819	142	2645	4881	8800	17578	18480	-1.0	130.3
BU12-221_82a	489	bdl	32.3	0.51	2.3	51	13	284	719	-272	2344	3950	5084	6907	7664	-1.0	-
BU12-221_83a	498	0.591	32.4	0.94	5.1	68	30	488	1289	-439	4213	6613	9336	13149	15164	-0.8	-
BU12-221_84a	494	bdl	3.7	0.37	0.7	15	8	117	328	-117	1295	2300	3624	5230	6172	-0.7	-
BU12-221_85a	511	bdl	25.9	0.42	3.0	42	17	285	736	-390	2482	3806	5532	7534	8608	-0.8	-
BU12-221_86a	500	0.006	28.7	0.19	1.9	41	22	357	981	-634	3580	5931	7868	11124	12504	-0.7	-
BU12-221_87a	510	bdl	11.6	0.16	1.2	16	7	71	158	-142	520	872	1124	1495	1880	-0.7	-

BU12-221_89a	505	0.422	16.7	0.48	1.9	36	11	204	519	390	1929	3156	4160	5615	6732	-0.9	17.3			
BU12-221_90a	517	0.019	11.1	0.51	1.9	26	15	128	250	109	709	1038	1296	1795	2268	-0.6	20.8			
BU12-221_91a	508	bdl	10.8	0.46	0.9	22	5	208	572	467	2445	3975	5836	8149	9588	-1.1	20.5			
BU12-221_92a	507	0.017	41.6	0.95	5.2	83	28	395	867	553	2669	4044	5220	7373	8800	-0.8	15.9			
BU12-221_93a	498	0.093	10.4	0.30	2.1	64	22	507	1428	1309	5255	8563	13000	20621	23320	-0.9	17.8			
BU12-221_02b	498	0.042	12.5	0.19	1.3	28	6	203	691	1654	3000	5038	7740	11770	13824	-1.1	8.4			
BU12-221_03b	505	0.110	9.2	0.48	1.7	38	20	316	942	2037	3860	6600	9172	13453	15620	-0.7	7.7			
BU12-221_06b	500	bdl	7.1	0.42	0.9	21	11	224	642	1476	2655	4531	7144	10348	11992	-0.8	8.1			
BU12-221_08b	503	0.012	11.6	0.01	3.3	29	9	158	447	939	1633	2825	4080	6056	7160	-0.9	7.6			
BU12-221_09b	28	bdl	1.0	1.09	0.2	4	2	32	120	275	422	603	785	1017	992	-0.7	3.6			
BU12-221_10b	482	bdl	16.8	bdl	3.5	30	18	159	315	579	989	1486	2052	2863	3076	-0.6	5.3			
BU12-221_11b	503	0.076	13.7	1.03	3.6	39	18	147	346	710	1222	2021	2800	4099	4428	-0.6	6.2			
BU12-221_12b	518	0.017	7.0	bdl	2.0	36	8	197	561	1370	2565	4625	7080	11839	12460	-1.0	9.1			
BU12-221_13b	498	0.384	17.5	0.09	0.8	22	11	124	268	591	1078	1689	2576	3758	4068	-0.7	6.9			
BU12-221_14b	508	bdl	11.0	bdl	1.7	18	13	115	195	393	718	1084	1548	2304	2588	-0.5	6.6			
BU12-221_15b	524	bdl	7.3	bdl	0.9	13	4	50	109	223	416	689	1016	1640	1760	-0.8	7.9			
BU12-221_16b	506	bdl	10.9	1.08	2.0	35	16	266	693	1480	2896	4738	6992	10851	11488	-0.8	7.8			
BU12-221_17b	501	bdl	11.4	3.98	1.2	44	12	267	619	1302	2551	4106	5756	8267	8900	-1.0	6.8			
BU12-221_18b	499	0.023	14.9	2.14	4.8	61	25	217	408	647	1108	1629	2243	3292	3691	-0.7	5.7			
BU13-01b: Kyanite metapelite (UTM: 278623.93, 3049457.65)																				
BU13_01b_4	27	0.105	bdl	bdl	bdl	1	2	18	54	54	36	26	26	34	41	-0.4	0.8	1.2		584
BU13_01b_8	28	0.131	0.6	bdl	0.1	5	5	36	72	85	81	88	152	190	276	-0.4	3.3	2.5		632
BU13_01b_9	27	0.093	bdl	bdl	bdl	3	4	34	106	141	189	245	344	488	598	-0.4	4.2	0.7		551
BU13_01b_10	30	0.122	bdl	bdl	0.1	bdl	1	16	36	45	39	34	27	34	38	-	0.8	0.6		542
BU13_01b_11	30	bdl	bdl	bdl	bdl	bdl	1	28	46	80	86	97	79	140	146	-	1.8	0.7		551
BU13_01b_13	28	0.097	bdl	bdl	bdl	2	4	21	41	44	43	29	26	40	43	-0.2	1.0	0.8		556
BU13_01b_14	26	0.321	0.7	0.97	0.8	2	10	23	54	42	30	28	32	40	37	0.2	0.9	4.2		670
BU13_01b_15	22	0.025	bdl	bdl	bdl	2	6	20	66	84	97	108	131	182	224	0.0	2.7	0.9		566
BU13_01b_17	367	0.802	88.9	3.88	8.1	52	35	152	222	312	533	844	1146	2056	2886	-0.4	9.3	36.0		868
BU13_01b_18	27	bdl	bdl	bdl	0.1	bdl	3	27	49	43	33	16	11	18	25	-	0.6	0.9		563
BU13-04b: Kyanite metapelite (UTM: 274043.62, 3057335.34)																				
BU13_04b_02	835	17.342	51.2	19.40	50.1	158	10	653	881	1285	2125	3044	3401	4596	5622	-1.5	4.4	8.7		729
BU13_04b_04	778	0.198	17.8	3.23	10.5	55	49	199	357	547	943	1263	1692	2224	2740	-0.3	5.0	12.3		760
BU13_04b_06	981	bdl	10.6	0.39	0.5	7	3	33	70	115	233	369	567	952	1211	-0.7	10.5	1.0		572
BU13_04b_07	837	0.759	45.4	6.03	24.9	123	20	405	698	996	1570	2538	2838	4335	4923	-1.0	4.9	12.5		761
BU13_04b_08	26	bdl	bdl	bdl	bdl	1	2	19	75	211	438	756	960	1578	2114	-0.4	10.0	1.8		610
BU13_04b_09	33	bdl	bdl	bdl	0.5	bdl	3	15	74	223	436	500	502	547	614	-	2.8	-0.8		
BU13_04b_13	2073	1.350	75.7	5.93	13.6	71	58	226	341	551	984	1644	2287	3634	5366	-0.3	9.7	11.3		752
BU13_04b_19	33	0.139	bdl	bdl	bdl	1	bdl	7	20	57	130	216	344	565	768	-	13.5	0.6		542
BU13_04b_20	22	bdl	0.6	0.18	0.2	3	2	25	69	153	317	525	623	845	1130	-0.8	7.4	3.3		652
BU13_04b_29	21	0.042	1.3	0.18	1.3	12	4	163	435	781	1304	1838	2425	3248	3809	-1.1	4.9	4.2		670
BU13_04b_30	526	0.506	7.2	0.45	0.6	4	4	29	98	151	350	669	1077	1975	2642	-0.4	17.5	4.7		679
BU13_04b_42	821	bdl	74.6	0.46	2.7	16	10	94	222	349	690	1144	1559	2478	3106	-0.6	8.9	9.3		735
BU13_04b_44	28	0.097	bdl	bdl	bdl	2	bdl	22	44	93	187	286	336	494	683	-	7.3	0.3		508
BU13_04b_45	724	0.097	6.4	bdl	0.2	4	2	34	68	132	240	419	583	839	1248	-0.8	9.5	2.6		635
BU13_04b_49	954	0.122	3.7	1.19	1.5	20	3	236	435	902	1630	2313	3360	4907	6260	-1.3	6.9	6.6		706
BU13_04b_50	23	0.435	0.5	bdl	bdl	bdl	2	14	70	168	326	404	526	671	878	-	5.2	1.7		606
BU13_04b_51	796	1.983	46.8	6.03	23.0	135	59	518	842	1289	2161	2981	3644	4882	6463	-0.7	5.0	9.4		736
BU13_04b_52	30	bdl	bdl	bdl	bdl	1	1	10	27	56	87	144	205	264	350	-0.6	6.2	0.6		542

BU13_04b_57	1805	0.464	10.7	1.26	4.9	31	8	140	283	473	846	1213	1680	2174	2967	-0.9	6.3	18.6	799
BU13_04b_58	674	0.717	15.2	0.30	1.4	10	3	45	86	137	293	489	684	1255	1772	-0.8	13.0	4.0	666
BU13-18b: Schist of the Naspe formation (UTM: 275472.36, 3064751.78)																			
BU13_18b_01b	33	0.097	bdl	bdl	0.2	2	2	20	68	94	115	97	87	129	138	-0.5	1.5	1.3	586
BU13_18b_05b	480	0.928	10.0	0.87	3.9	22	23	149	235	410	625	863	1105	1845	2260	-0.4	5.5	6.7	707
BU13_18b_15b	1956	bdl	4.3	bdl	bdl	3	bdl	11	18	50	106	266	526	1025	1785	-	35.4	8.5	727
BU13_18b_22b	384	0.169	8.4	0.22	1.4	7	7	45	73	107	211	314	486	808	1069	-0.4	10.0	7.4	715
BU13_18b_24b	592	0.224	34.3	6.68	12.3	73	58	222	310	379	515	669	757	1062	1175	-0.3	3.1	6.5	704
BU13_18b_28b	534	0.068	7.2	1.51	1.6	9	18	46	56	77	132	159	199	354	374	-0.1	4.9	8.2	724
BU13_18b_29b	522	0.131	1.5	0.59	0.6	5	2	4	17	38	86	184	417	832	1557	-0.5	40.7	2.3	626
BU13_18b_30b	560	0.485	6.3	0.79	0.9	4	2	30	70	139	308	611	1085	2075	2878	-0.7	20.8	2.9	643
BU13_18b_32b	224	0.072	54.3	0.61	2.4	18	12	92	192	344	705	1163	1830	2857	3943	-0.5	11.5	4.4	674
BU13-23d: Foliation-parallel leucosome (UTM: 276218.10, 3066099.11)																			
BU12_23d_01a	484	bdl	7.8	0.26	1.0	14	4	140	493	1113	2546	3919	6559	10621	14553	-1.0	13.1	3.3	652
BU12_23d_04a	28	bdl	bdl	bdl	bdl	2	1	17	57	127	255	399	664	1149	1524	-1.0	12.0	1.4	592
BU12_23d_06a	23	bdl	2.4	0.92	2.6	17	7	120	332	699	1289	1969	2968	4248	5110	-0.8	7.3	1.0	570
BU12_23d_07a	496	bdl	30.7	0.40	2.0	18	9	62	149	268	544	844	1304	2006	2976	-0.6	11.1	6.5	705
BU12_23d_08a	512	bdl	43.9	1.49	4.7	44	12	167	396	691	1288	2044	3073	4093	5610	-0.9	8.1	7.0	710
BU12_23d_09a	485	bdl	35.2	1.39	3.8	35	12	144	350	699	1363	2306	3522	5087	6602	-0.8	9.4	5.3	687
BU12_23d_12a	1656	0.119	6.5	3.35	7.0	47	5	152	295	516	875	1375	1951	2391	3289	-1.2	6.4	8.5	727
BU13_23d_01c	23	1.266	3.1	1.72	2.5	14	7	156	357	750	1473	2400	3389	5255	5967	-0.8	8.0	1.2	584
BU13_23d_02c	22	bdl	2.9	bdl	0.8	10	5	132	368	742	1355	2231	3239	5528	6911	-0.8	9.3	0.2	487
BU13_23d_03c	477	0.329	####	7.65	23.9	208	87	1005	1909	2961	5092	7813	9555	13540	16016	-0.7	5.4	19.7	804
BU13_23d_04c	22	0.844	3.7	0.43	1.4	20	4	205	562	1063	1855	2756	3887	5752	6667	-1.2	6.3	2.0	617
BU13_23d_07c	23	0.650	2.3	1.75	2.1	22	7	131	368	715	1300	2075	3117	4720	5976	-0.9	8.4	1.1	578
BU13_23d_09c	23	0.759	6.2	2.16	7.4	38	17	342	787	1293	2308	3688	4656	6273	7846	-0.8	6.1	1.8	610
BU13_23d_10c	24	0.473	2.4	0.97	1.8	13	3	109	327	594	1136	1725	2510	4037	5000	-1.2	8.4	1.8	610
BU13_23d_12c	24	0.717	3.0	1.49	1.9	24	10	176	449	766	1317	2006	2717	4155	4878	-0.8	6.4	1.0	572
BU13_23d_13c	508	0.055	15.0	1.08	2.5	49	19	362	873	1727	3571	5938	7935	10435	13130	-0.8	7.6	2.3	626
BU13_23d_14c	24	0.198	5.1	1.26	3.2	55	13	452	1094	1996	3223	4938	5830	7516	9390	-1.1	4.7	2.2	623
BU13_23d_17c	25	0.426	1.5	1.08	1.4	19	8	101	216	328	553	925	1417	2099	2764	-0.7	8.4	2.7	638
BU13_23d_18c	31	0.059	bdl	bdl	0.1	5	9	51	82	83	76	76	55	101	88	-0.3	1.1	2.3	626
BU13_23d_19c	26	0.190	bdl	bdl	0.1	1	2	19	47	57	37	34	36	52	78	-0.4	1.4	0.7	551
BU13_23d_21c	25	0.068	bdl	bdl	bdl	2	3	26	71	59	36	27	22	34	31	-0.4	0.5	0.8	559
BU13_23d_01d	504	bdl	4.2	1.06	4.0	39	6	252	751	1652	3260	5394	7814	11553	13618	-1.2	8.2	5.2	687
BU13_23d_02d	510	0.023	2.4	0.41	0.5	16	2	75	271	590	1196	2044	3170	5155	6463	-1.3	11.0	2.2	623
BU13_23d_03d	513	bdl	41.9	1.70	3.4	38	18	192	453	855	1529	2325	3417	5118	6829	-0.7	8.0	5.5	691
BU13_23d_04d	506	0.022	44.0	1.86	4.8	41	17	195	435	793	1429	2131	3045	4373	5813	-0.7	7.3	4.1	668
BU13_23d_06d	14	bdl	33.4	105.60	118.2	504	130	1588	3463	5156	7967	9375	11093	14286	15854	-0.8	3.1	4.8	680
BU13_23d_10d	497	0.024	16.4	0.98	2.5	22	8	117	272	508	960	1456	2126	2919	3699	-0.8	7.3	5.7	694
BU13_23d_12d	23	bdl	2.0	0.24	0.4	9	2	88	260	537	969	1488	2202	3205	4175	-1.1	7.8	1.0	571
BU13_23d_13d	23	bdl	2.9	bdl	0.8	26	8	215	607	1297	2216	3213	4737	7267	8577	-0.9	6.6	0.9	563
BU13_23d_16d	24	bdl	4.7	0.29	1.1	22	12	163	402	723	1196	1831	2538	4043	5000	-0.7	6.9	2.8	640
BU13_23d_17d	508	0.022	45.4	2.80	5.3	27	17	118	263	523	973	1550	2255	3590	4837	-0.5	9.2	4.5	675
BU13_23d_18d	21	bdl	bdl	0.53	0.6	8	2	36	118	257	491	800	1158	1851	2370	-0.9	9.2	0.8	558
BU13_23d_20d	494	bdl	3.9	1.78	2.7	34	4	213	604	1191	2392	3763	5830	8634	10000	-1.3	8.4	6.4	703
BU13-37b: Foliation-parallel leucosome (UTM: 275898.52, 3071352.29)																			
BU13_37b_01b	26	bdl	bdl	bdl	bdl	bdl	bdl	2	9	35	105	240	534	950	1557	-	44.0	1.5	598
BU13_37b_02b	21	0.717	1.5	bdl	0.1	1	1	15	60	154	333	613	1020	1547	2093	-0.6	13.6	1.6	602

BU13_37b_03b	20	0.759	1.9	bdl	bdl	4	2	18	80	227	507	838	1291	1888	2565	-0.7	11.3	1.2	584
BU13_37b_04b	20	0.464	1.1	bdl	bdl	bdl	1	13	52	137	339	627	980	1615	2236	-	16.3	1.2	581
BU13_37b_05b	23	0.717	2.1	bdl	bdl	2	3	25	126	347	786	1506	2320	3814	5073	-0.5	14.6	3.4	654
BU13_37b_08b	478	bdl	27.3	1.81	4.6	47	16	163	307	516	888	1275	1704	2267	3053	-0.7	5.9	4.2	670
BU13_37b_09b	23	bdl	bdl	0.05	bdl	bdl	bdl	5	31	82	214	441	895	1646	2805	-	34.2	0.3	497
BU13_37b_11b	23	0.253	bdl	bdl	bdl	bdl	1	7	16	49	160	411	939	1758	2972	-	60.4	1.2	584
BU13_37b_13b	495	0.633	31.3	1.20	4.5	34	13	154	281	418	764	1050	1486	2093	2642	-0.8	6.3	4.9	682
BU13_37b_14b	25	bdl	bdl	bdl	bdl	bdl	1	1	6	22	73	228	441	981	1703	-	79.0	1.2	584
BU13_37b_15b	23	bdl	bdl	bdl	bdl	bdl	1	4	23	76	222	497	1000	1845	3024	-	39.7	1.0	569
BU13_37b_16b	449	bdl	3.4	bdl	0.1	3	1	17	31	63	145	284	526	901	1642	-1.0	26.0	2.1	620
BU13_37b_17b	22	bdl	1.5	bdl	bdl	0	2	18	75	191	432	710	1138	1733	2252	0.0	11.8	1.2	585
BU13_37b_18b	487	0.122	20.2	0.15	0.7	14	3	94	210	452	932	1600	2474	3807	5285	-1.2	11.7	2.6	635
BU13_37b_20b	25	bdl	bdl	0.05	bdl	bdl	1	2	13	41	134	359	838	1882	3215	-	79.3	1.5	598
BU13_37b_21b	21	0.970	1.3	bdl	bdl	1	1	11	57	146	332	621	1045	1596	2325	-0.6	15.9	0.7	551
BU13_37b_23b	24	0.338	bdl	bdl	bdl	1	bdl	8	28	70	201	476	996	2118	3691	-	52.5	1.8	611
BU13_37b_24b	22	bdl	1.1	bdl	0.1	1	1	18	64	182	425	844	1482	2522	3870	-0.6	21.3	1.4	591
BU13_37b_26b	23	0.456	2.4	bdl	0.0	4	5	35	143	389	839	1531	2417	3944	5171	-0.4	13.3	2.3	625
BU13_37b_28b	503	bdl	33.3	0.39	1.5	20	7	89	190	355	652	1094	1579	2292	3228	-0.8	9.1	4.7	679
BU13_37b_29b	22	0.110	0.9	bdl	bdl	1	2	11	64	180	436	863	1534	2553	3557	-0.2	19.8	1.6	602
BU13_37b_30b	470	0.160	10.8	0.30	1.8	14	10	79	151	288	524	813	1174	1739	2329	-0.5	8.1	3.6	659
BU13_37b_31b	22	0.329	1.4	bdl	bdl	1	1	17	62	143	357	628	1101	1646	2317	-0.4	16.3	1.5	598
BU13_37b_32b	473	bdl	16.4	1.09	2.2	22	4	95	214	372	755	1281	2049	3342	5163	-1.0	13.9	2.8	639
BU13_37b_33b	466	bdl	5.0	0.04	0.5	4	4	13	34	66	145	234	405	689	939	-0.3	14.1	1.6	602
BU13_37b_34b	471	1.519	35.4	3.05	9.8	50	43	241	504	879	1593	2275	3239	4410	5244	-0.4	6.0	7.7	719
BU13_37b_35b	499	0.338	9.5	0.82	3.7	40	17	215	438	754	1293	1969	2729	3832	5130	-0.7	6.8	6.4	703
BU13_37b_36b	457	0.080	16.3	0.37	1.3	17	4	98	274	493	976	1588	2466	3565	4659	-1.0	9.4	2.9	642
BU13_37b_38b	24	bdl	0.6	bdl	bdl	1	1	10	43	114	310	713	1356	2665	4427	-0.6	38.8	2.2	623
BU13_37b_39b	467	bdl	16.3	bdl	0.5	4	2	44	89	158	286	464	680	1056	1402	-0.8	8.9	3.6	658
BU13_37b_40b	22	bdl	1.0	0.05	bdl	1	2	14	63	158	330	575	915	1429	1919	-0.3	12.2	1.5	598
BU13_37b_41b	23	0.114	1.3	0.04	bdl	1	bdl	14	56	140	319	552	907	1342	1854	-	13.2	1.0	574
BU13_37b_42b	528	bdl	28.6	0.30	2.1	27	12	117	254	418	705	1160	1401	2081	2663	-0.7	6.4	7.1	712
BU13_37b_44b	494	bdl	36.4	2.93	10.0	73	41	248	471	801	1324	1888	2640	3534	4508	-0.5	5.6	6.1	699
BU13_37b_45b	24	bdl	bdl	bdl	bdl	bdl	1	3	18	49	132	321	713	1304	2057	-	42.1	1.4	593
BU13_37b_01c	493	bdl	40.3	5.56	25.8	86	37	392	673	1035	1661	2275	2895	3708	4671	-0.7	4.5	12.4	760
BU13_37b_03c	18	bdl	3.9	bdl	0.1	3	4	36	142	332	758	1494	2486	3882	5602	-0.4	16.9	1.0	569
BU13_37b_04c	18	0.022	4.1	bdl	0.1	4	3	42	165	414	941	1713	3061	4783	7122	-0.6	17.2	2.3	626
BU13_37b_05c	18	bdl	2.0	bdl	0.1	1	2	26	96	254	601	1163	1984	3298	5004	-0.5	19.7	2.0	617
BU13_37b_06c	22	bdl	0.8	bdl	bdl	1	1	12	53	140	353	700	1279	1882	3114	-0.8	22.2	1.8	610
BU13_37b_07c	21	0.022	1.1	bdl	bdl	bdl	1	8	45	121	264	474	818	1149	1614	-	13.3	0.2	479
BU13_37b_08c	22	0.023	1.2	bdl	bdl	1	2	11	59	155	375	709	1194	1894	2724	-0.4	17.5	2.1	620
BU13_37b_09c	464	bdl	30.8	1.67	5.7	16	8	87	214	356	707	1119	1729	2373	3419	-0.7	9.6	2.7	638
BU13_37b_10c	444	bdl	33.8	0.52	3.2	27	7	115	263	484	855	1469	2174	3037	4472	-0.9	9.2	6.0	698
BU13_37b_11c	505	bdl	15.8	bdl	0.5	9	2	43	99	179	332	568	899	1360	1764	-1.0	9.8	3.7	661
BU13_37b_12c	25	0.023	bdl	bdl	bdl	bdl	1	8	32	90	242	537	1077	2137	3484	-	38.8	1.7	606
BU13_37b_13c	23	0.023	bdl	bdl	bdl	bdl	bdl	3	15	54	154	429	919	1776	2915	-	54.1	1.4	591
BU13_37b_14c	501	bdl	20.1	0.24	1.4	8	5	49	91	153	300	482	700	1149	1545	-0.6	10.1	5.4	690
BU13_37b_15c	26	bdl	bdl	bdl	bdl	1	bdl	1	4	14	42	104	232	394	683	-	48.8	1.1	580
BU13_37b_16c	22	0.024	bdl	bdl	0.1	bdl	bdl	3	19	50	160	378	769	1366	2289	-	46.0	2.5	632
BU13_37b_17c	25	bdl	bdl	bdl	bdl	bdl	bdl	2	12	43	135	384	923	1938	3659	-	85.9	0.5	532

BU13_37b_18c	489	bdl	13.3	0.16	0.3	8	3	54	137	292	606	1100	1951	2894	4106	-0.9	14.1	2.5	632
BU13_37b_19c	24	0.022	bdl	bdl	bdl	bdl	bdl	3	11	27	77	209	377	727	1211	-	45.6	1.0	572
BU13_37b_20c	493	bdl	40.3	1.88	17.7	76	27	292	518	809	1342	1963	2441	3124	4085	-0.7	5.1	9.8	739
BU13_37b_21c	506	bdl	44.7	2.16	12.3	64	19	276	537	805	1392	2063	2765	3528	4878	-0.8	6.1	10.1	742
BU13_37b_24c	504	0.023	1.2	bdl	bdl	1	2	17	64	164	370	651	1166	1634	2492	-0.3	15.2	8.0	722
BU13_37b_25c	22	0.023	15.0	0.38	1.7	13	6	48	107	209	390	656	960	1497	2028	-0.6	9.7	1.7	606
BU13_37b_26c	470	bdl	26.6	4.09	7.4	25	7	106	215	364	681	1038	1498	2193	2923	-0.9	8.0	3.3	652
BU13_37b_27c	470	0.022	3.7	0.37	0.4	4	5	56	166	359	712	1156	1765	2522	3171	-0.4	8.8	5.7	694
BU13_37b_28c	24	0.022	bdl	bdl	bdl	bdl	bdl	1	3	16	39	86	166	271	472	-	29.7	1.6	602
BU13_37b_31c	23	bdl	0.5	bdl	bdl	1	3	19	89	295	764	1518	2789	4509	6626	-0.3	22.5	1.8	610
BU13_37b_32c	23	0.023	10.3	bdl	1.0	9	2	59	141	262	542	938	1595	2522	3374	-1.0	12.9	3.1	648
BU13_37b_33c	481	0.023	bdl	bdl	bdl	bdl	bdl	4	11	41	119	326	687	1161	2085	-	50.4	4.5	675
BU13-42b: Migmatitic orthogneiss (UTM: 275406.75, 3073052.00)																			
BU13_42b_01a	489	0.135	15.5	1.14	2.6	9	12	38	68	118	212	403	632	1180	1919	-0.2	16.3	2.3	626
BU13_42b_02a	500	0.582	41.9	4.04	7.9	34	34	106	191	316	553	1025	1518	2578	4020	-0.2	12.7	3.7	660
BU13_42b_03a	522	0.194	26.3	0.15	1.0	6	7	26	66	104	234	475	777	1478	2488	-0.2	24.0	2.6	635
BU13_42b_04a	470	0.198	8.3	0.24	0.3	3	2	12	26	54	121	233	444	876	1541	-0.5	28.8	2.1	621
BU13_42b_05a	506	0.232	45.8	3.90	10.4	39	44	121	223	380	701	1363	2057	3702	5854	-0.2	15.4	6.3	702
BU13_42b_06a	474	0.152	28.1	1.08	2.6	15	15	54	99	204	419	806	1324	2627	4146	-0.3	20.3	5.2	687
BU13_42b_07a	474	0.928	####	4.20	6.6	36	40	166	321	535	1044	1850	2672	4491	6707	-0.3	12.5	4.1	668
BU13_42b_08a	513	0.037	34.4	0.31	1.9	11	10	49	106	223	469	906	1393	2652	3744	-0.4	16.8	3.2	649
BU13_42b_10a	510	0.641	####	7.37	20.7	79	86	303	582	938	1665	2675	3850	6360	8780	-0.3	9.4	10.4	744
BU13_42b_12a	507	0.012	36.2	0.55	2.6	14	14	57	115	209	443	850	1255	2447	3862	-0.3	18.4	3.1	648
BU13_42b_13a	518	0.063	56.4	2.37	6.0	30	31	95	192	375	687	1244	2057	3708	6057	-0.2	16.2	4.2	670
BU13_42b_14a	528	0.165	47.0	2.40	7.4	27	30	103	194	309	648	1131	1785	3391	5325	-0.2	17.3	4.2	670
BU13_42b_15a	469	0.287	16.6	1.82	5.3	17	21	51	82	144	273	514	802	1460	2610	-0.1	18.2	3.8	662
BU13_42b_16a	495	0.456	28.9	2.16	8.3	30	26	80	134	221	399	694	1069	2118	3171	-0.3	14.4	3.4	654
BU13_42b_18a	501	0.012	4.6	0.00	0.2	1	1	6	13	36	81	191	362	773	1390	-0.5	39.0	1.4	595
BU13_42b_19a	529	0.038	24.1	0.67	2.5	9	11	43	83	152	297	544	822	1497	2561	-0.2	16.9	2.2	623
BU13_42b_20a	492	0.131	27.1	0.77	2.7	10	13	48	83	154	342	663	1146	2149	3593	-0.2	23.3	2.8	641
BU13_42b_22a	483	0.093	29.5	1.49	2.8	13	15	59	124	218	436	756	1186	2056	2935	-0.3	13.5	2.8	640
BU13_42b_25a	508	0.034	11.7	0.13	0.6	4	3	13	27	55	126	232	405	876	1728	-0.5	31.1	1.4	594
BU13_42b_26a	511	0.025	15.8	0.81	3.0	12	16	41	88	141	271	506	794	1497	2675	-0.2	19.0	1.5	598
BU13_42b_27a	457	0.084	14.9	0.68	2.3	13	12	41	76	140	284	520	785	1646	2890	-0.3	20.7	2.9	643
BU13_42b_29a	504	0.430	64.6	4.84	14.4	62	38	195	349	551	1007	1719	2348	4161	5650	-0.5	10.3	5.7	694
BU13_42b_30a	499	0.316	71.8	4.82	14.7	53	48	211	366	602	1062	1813	2713	4348	6260	-0.3	10.4	7.2	713
BU13_42b_31a	500	1.139	####	10.08	33.9	147	93	463	809	1352	2357	4006	5830	9447	13293	-0.4	9.8	17.4	792
BU13_42b_32a	499	0.785	####	6.16	20.2	93	74	333	587	1004	1689	2800	3854	5994	8134	-0.4	8.1	11.1	750
BU13_42b_33a	510	0.295	88.3	4.68	15.6	75	61	290	526	914	1634	2838	3951	6124	8699	-0.4	9.5	5.3	688
BU13_42b_34a	489	0.350	####	4.19	13.3	76	58	310	623	1070	1996	3550	4935	8261	12033	-0.4	11.2	6.9	709
BU13_42b_35a	495	0.468	86.5	4.31	11.4	51	50	196	357	602	1081	1894	2429	4596	6951	-0.3	11.6	6.2	701
BU13_42b_37a	502	bdl	3.5	0.16	0.2	1	1	5	10	25	58	111	206	415	740	-0.5	30.1	1.5	598
BU13_42b_38a	509	0.019	5.1	bdl	0.1	bdl	1	4	17	58	216	596	1247	2758	4728	-	81.2	1.6	603
BU13_42b_39a	519	0.207	94.3	1.36	5.0	32	29	139	324	594	1136	1938	2883	4957	6789	-0.4	11.4	4.5	676
BU13_42b_40a	494	0.194	49.1	2.96	6.6	30	32	106	216	347	667	1119	1713	2839	4366	-0.2	12.6	5.7	694
BU13_42b_42a	513	1.055	####	12.18	36.5	141	155	382	681	1047	1832	2950	4413	7329	10894	-0.2	10.4	9.4	736
BU13_42b_43a	509	0.080	60.8	1.73	5.2	30	28	129	263	453	879	1419	2020	3193	4512	-0.3	10.0	3.5	656
BU13_42b_44a	481	0.110	69.0	2.09	5.6	36	24	134	299	508	991	1663	2332	3820	5325	-0.5	10.5	4.5	675
BU13_42b_45a	504	0.173	43.6	3.04	9.6	44	34	145	284	448	866	1419	2004	3118	4350	-0.4	9.7	4.6	678

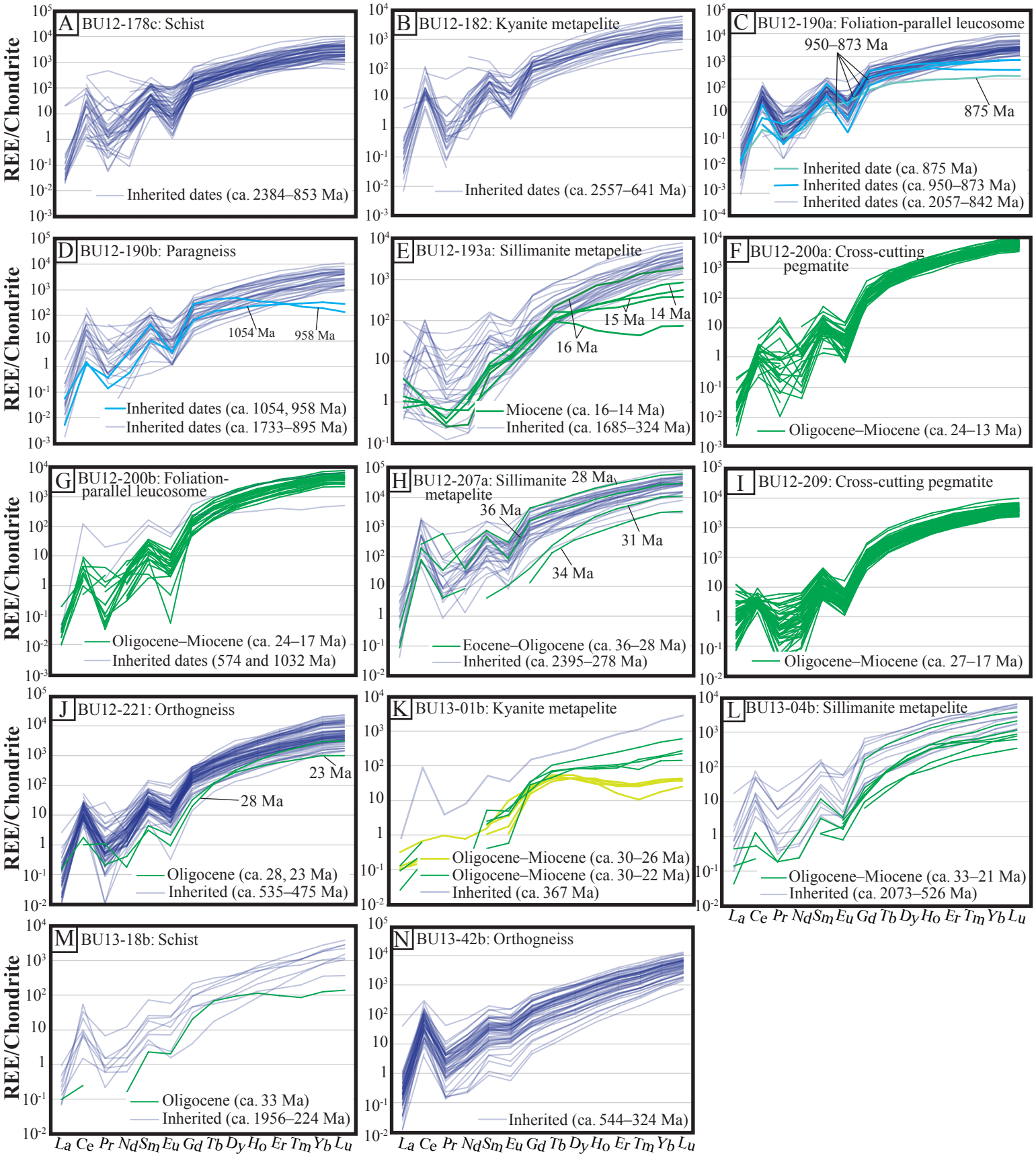
BU13_42b_46a	483	0.131	####	2.03	6.5	44	45	189	374	672	1264	2150	2931	5081	6951	-0.3	10.3	16.0	784
BU13_42b_48a	511	bdl	18.4	0.15	0.2	4	4	20	54	110	227	406	676	1205	1825	-0.3	16.6	2.2	624
BU13_42b_51a	508	0.489	37.0	3.31	10.5	47	46	129	224	371	650	1144	1713	2969	4740	-0.2	12.8	3.4	654

[1]all data is normalized to chondrite values from McDonough and Sun (1995) except for the Ti values (in ppm); some values are missing relative to Table 1 due to a software problem during the analyses; bdl = belc

[2]Eu*= Log(Eu)–(Log(Gd)+Log(Sm)/2)

[3]Ti values and Ti-in-zircon temperatures are only listed for zircons analyzed by the quadrapole ICPMS; temperatures were calculated using the calibration of Watson et al. (2006).

ow detection limit



Zeiger et al.
supplementary figure e1

Timing and conditions of metamorphism and melt crystallization in Greater Himalayan rocks, eastern and central Bhutan: Insight from U-Pb zircon and monazite geochronology and trace-element analyses

K. Zeiger[1], S.M. Gordon[1]*, S.P. Long[1], A.R.C. Kylander-Clark[2], K. Agustsson[1], M. Penfold[1]

[1]Department of Geological Sciences, University of Nevada, Reno, NV, USA
[2]Earth Research Institute, University of California, Santa Barbara, CA, USA

*Corresponding author; staciag@unr.edu; tel: 775-784-6476; fax: 775-784-1833

Methodology

U-Th-Pb analyses

For zircon analyses, unknowns were standardized against primary reference material 91500 (ca. 1062 Ma; Wiedenbeck et al., 1995) and secondary reference material GJ1 (ca. 602 Ma; Jackson et al., 2004) every 6–8 unknowns and at the beginning and end of each analysis run. For monazite, a 10 µm spot was used and the unknowns were standardized against primary reference material 44069 (ca. 425 Ma; Aleinikoff et al., 2006), secondary reference materials Bananeria (ca. 512 Ma; in Kylander-Clark et al., 2013), and standard FC-1 (ca. 56 Ma; Horstwood et al., 2003) was used for quality control. Subsequently, data was reduced using Iolite 2.15 (Paton et al., 2010) and Isoplot 3.75 (Ludwig, 2012).

LH, Kuru Chu transect, eastern Bhutan

Within the LH, a quartz–plagioclase–biotite–muscovite–garnet schist (BU12-172c) was collected from the Jaishidanda Formation, 0.2 km below the MCT and 6.9 km below the KT. Zircons from this sample were mainly rounded, elongate grains, and CL images of the zircons revealed oscillatory- and sector-zoned cores that were overgrown by darker, metamorphic rims (Fig. 3a). Spot analyses of four zircon rims yielded 207-corrected $^{206}Pb/^{238}U$ dates ranging from 20.63 ± 0.35 to 16.80 ± 0.31 Ma (Fig. 4a). These rims had low Th/U ratios of 0.004–0.009. The three youngest Miocene dates clustered together

at ca. 17 Ma (Fig. 4a). In comparison, fourteen zircons revealed a variety of concordant $^{207}Pb/^{206}Pb$ dates ranging from ca. 1.8 to 1.1 Ga (Fig. 4a, 5a); all were characterized by larger Th/U ratios of 0.03 to 1.33. Three additional zircons gave discordant dates. Both the Miocene and the older inherited zircons have overlapping REE patterns, although the inherited grains show more variability with steeper HREE patterns (Lu_n/Dy_n =4.0–19.6 versus 4.1–7.1) (Fig. 7a). Among the Miocene grains, there is a decrease in the abundance of HREE elements with decreasing age, from ca. 21 to 17 Ma.

Lower-GH, Kuru Chu transect, eastern Bhutan

A quartz–plagioclase–biotite–muscovite–garnet schist (BU12-178c) was collected 2.1 km structurally above the MCT and 4.6 km below the KT. Cathodoluminescence images of zircons separated from the schist showed rounded, elongate grains with cores overgrown by oscillatory- or sector-zoned mantle zones or rims (Fig. 3b). Spot analyses from thirty-eight zircons yielded a variety of concordant Proterozoic $^{207}Pb/^{206}Pb$ dates (ca. 2.4–0.9 Ga; Fig. 4b, 5b). The zircons had Th/U ratios of 0.07–2.2.

Cathodoluminescence images of zircons separated from a migmatitic quartz–plagioclase–biotite–muscovite–garnet–kyanite metapelite (BU12-182), located 3.5 km above the MCT and 3.2 km below the KT, showed rounded grains with sector-zoned cores overgrown by an intermediate zone that had mainly oscillatory zoning, and a bright, thin rim (Fig. 3c). Spot analyses from twenty-seven zircons yielded a range of concordant Proterozoic $^{207}Pb/^{206}Pb$ dates between 2.6 and 0.9 Ga, with a major peak at 1.8 Ga (Fig. 4c, 5c). These grains had Th/U ratios of 0.36–1.8.

A foliation-parallel, quartz–plagioclase–biotite–garnet leucosome (BU12-190a) and a quartz–plagioclase–biotite–muscovite–garnet–tourmaline paragneiss (BU12-190b) were collected from the same outcrop, 6.5 km above the MCT and 0.2 km below the KT. Cathodoluminescence images of zircons from the leucosome showed cores, an oscillatory-zoned mantle area, and in some grains, a thin rim (Fig. 3d). Spot analyses from thirty-seven leucosome zircons yielded concordant Proterozoic $^{207}Pb/^{206}Pb$ dates ranging from 2.1 to 1.0 Ga (Fig. 4d, 5d). These zircons had Th/U ratios of 0.015–1.3. Zircons from the paragneiss, in comparison, were elongate, but rounded grains with cores overgrown by oscillatory-zoned

to metamorphic rims (Fig. 3e). The paragneiss yielded similar dates as the foliation-parallel leucosome: analyses from thirty zircons yielded a range of concordant Proterozoic $^{207}Pb/^{206}Pb$ dates from 1.8 to 1.0 Ga, with Th/U ratios of 0.03–1.6 (Fig. 4e, 5e).

A quartz–plagioclase–biotite–muscovite–garnet–sillimanite metapelite (BU12-193a) was collected within the previously mapped KT fault zone, 6.7 km above the MCT. Cathodoluminescence images showed cores overgrown by a mantle zone and bright rims (Fig. 3f). Spot analyses of five zircons yielded 207-corrected $^{206}Pb/^{238}U$ dates ranging from 16.25 ± 0.49 Ma to 14.49 ± 0.39 Ma (Fig. 4f). These zircons had low Th/U ratios of 0.01–0.02 and yielded Ti-in-zircon temperatures of ~565–680 ºC (Fig. 8). In addition, spot analyses from nineteen zircons yielded concordant $^{206}Pb/^{238}U$ dates ranging from ca. 1.7 to 0.4 Ga (Fig. 4f, 5f), with Th/U ratios of 0.003–4.0. In addition, six zircons were discordant. The chemistry of the Miocene metapelite zircons revealed a flatter HREE pattern, a lack of a distinct negative Eu anomaly, and a lack of a positive Ce anomaly in comparison to the majority of the inherited grains within the sample (online resource Fig. 1e). Among the Miocene dates, the REE patterns do not correlate with age.

Upper-GH, Kuru Chu transect, eastern Bhutan

From the Upper-GH in eastern Bhutan, a foliation-parallel quartz–plagioclase–biotite leucosome (BU12-195a) was sampled from 6.8 km above the MCT and 0.1 km above the KT. Cathodoluminescence images revealed oscillatory-zoned cores overgrown by metamorphic rims (Fig. 3g). Nine zircon rims yielded dates ranging from 15.62 ± 0.34 Ma to 12.73 ± 0.30 Ma. The three youngest dates yielded a weighted-mean average age of 12.90 ± 0.42 Ma (MSWD = 1.00; Fig. 4g), and the next four oldest dates revealed a weighted-mean average age of 13.77 ± 0.56 Ma (MSWD = 1.7). The eight youngest Miocene zircons exhibited low Th/U ratios of 0.004–0.012, whereas the oldest date had a slightly larger Th/U ratio of 0.023. These Miocene zircons yielded Ti-in-zircon temperatures that ranged from ~550–620 ºC (Fig. 8). The results of mostly zircon cores showed one main concordant $^{206}Pb/^{238}U$ population at ca. 830 Ma (Th/U = 0.16–1.14) (Fig. 5g). A smaller population (n = 4) clustered near ca. 480 Ma (Th/U = 0.005–

0.011; Fig. 5g) was also observed. The Miocene grains contained lower LREE–MREE abundances compared to the inherited zircons (Fig. 7b). Among the Miocene grains, there was an overall increase in the steepness of the HREE (Lu_n/Dy_n changes from 8 to 24) with decreasing age from ca. 16 to 13 Ma.

A foliation-parallel quartz–plagioclase–biotite coarse-grained leucosome (BU12-200a) and a foliation-parallel quartz–plagioclase–muscovite–biotite finer-grained leucosome (BU12-200b) were collected from the same outcrop 7.4 km above the MCT and 0.7 km above the KT. Cathodoluminescence images of euhedral zircons from the coarser-grained leucosome showed mainly metamict and oscillatory-zoned cores, mantled by oscillatory-zoned rims (Fig. 3h). Spot analyses from twenty-six zircons yielded concordant $^{206}Pb/^{238}U$ dates ranging from 20.94 ± 0.34 Ma to 16.45 ± 0.29 Ma (Th/U = 0.004–0.01), with a single, unzoned zircon rim that yielded a date of 13.29 ± 0.24 Ma (Th/U = 0.003; Fig. 4h). The chemistry of the Miocene grains was very consistent, with a moderately steep HREE slope (Lu_n/Dy_n = 4.9–14, avg. = 7.4) and no correlation with age (online resource Fig. 1f). This sample did not yield any dates older than Miocene.

Zircon from the finer-grained foliation-parallel leucosome were also euhedral, elongate grains with mainly metamict cores overgrown by oscillatory-zoned rims (Fig. 3i). Sixteen leucosome zircons yielded 207-corrected $^{206}Pb/^{238}U$ dates of 21.01 ± 0.36 Ma to 17.29 ± 0.33 Ma that were characterized by low Th/U ratios of 0.006–0.02 (Fig. 4i). In addition, a single zircon yielded two concordant Oligocene core dates of 24.54 ± 0.48 and 24.45 ± 0.53 Ma (Th/U ratios of 0.011 and 0.02, respectively). Only two inherited, concordant dates were revealed from the sample: ca. 574 (Th/U = 3.0) and ca. 1032 Ma (Th/U = 0.8). Like the coarse-grained leucosome, the zircons from the finer-grained leucosome yielded similar REE patterns, with moderately steep HREE slopes (Lu_n/Dy_n = 3.2–9.4, avg. = 5.8) that do not correlate with age (online resource Fig. 1g).

A foliation-parallel quartz–plagioclase–biotite–muscovite leucosome (BU12-205) was collected 9.9 km above the MCT and 3.2 km above the KT. CL images showed zircon cores overgrown by dark rims (Fig. 3j). Fifteen zircons yielded 207-corrected $^{206}Pb/^{238}U$ dates ranging from 25.85 ± 1.09 to 19.22 ± 0.43 Ma, with a weighted-mean average of 19.59 ± 0.38 Ma (MSWD = 2.0, n = 15; Fig. 4j) for the youngest

fifteen analyses. These rims had low Th/U ratios of 0.004–0.027, with a single larger Th/U ratio of 0.096 for a 19.3 Ma date. Ti-in-zircon temperatures from the Himalayan-age zircons revealed temperatures ranging from ~530 to 710 ºC that for the most part, did not correlate with age; the oldest ca. 26 Ma zircon did yield the lowest temperature of 530 ºC (Fig. 8). In addition, twelve zircons yielded concordant $^{206}Pb/^{238}U$ dates ranging from ca. 1643–392 Ma, characterized by generally larger Th/U ratios (0.01–0.84; Fig. 5h). The chemistry of the Oligocene–Miocene dates overlapped with the inherited dates on the REE diagram (Fig. 7c). Among the Himalayan-age grains, the oldest, ca. 26 and 22 Ma, grains show a distinct flatter HREE pattern.

A quartz–plagioclase–biotite–muscovite–garnet–sillimanite metapelite (BU12-207a) and a foliation-parallel quartz–plagioclase–biotite–muscovite leucosome (BU12-207b) were collected from the same outcrop 10.6 km above the MCT and 3.9 km above the KT. Cathodoluminescence images of zircon from the metapelite showed elongate, but rounded grains with cores and convolute-zoned, metamorphic rims (Fig. 3k). Some grains exhibited an outermost, bright rim that was too small to be analyzed with the laser. Four zircon rims from three metapelite grains yielded 207-corrected $^{206}Pb/^{238}U$ dates of 36.47 ± 0.78 to 28.12 ± 0.58 Ma with low Th/U ratios ranging from 0.002–0.007 (Fig. 4k). In addition, twenty-eight zircons yielded a large range of concordant $^{206}Pb/^{238}U$ dates ranging from ca. 2.4 to 0.4 Ga, with a major peak at 1.1 Ga (Th/U ratios of 0.02–1.4; Fig. 5i). Furthermore, two additional zircon rims yielded discordant dates. The metapelite zircons show a spread in the REE patterns, with the four Cenozoic rims revealing moderately steep (Lu_n/Dy_n = 4.9–14.2, avg. = 8.6) HREE patterns that did not correlate with age (online resource Fig. 1h).

The BU12-207b leucosome zircons were similar to other zircons from leucosome samples in the upper-GH in that they revealed metamict cores overgrown by mainly dark, oscillatory-zoned rims (Fig. 3l). Spot analyses from fifteen zircons gave dates of 27.24 ± 0.75 to 21.90 ± 0.32 Ma (Th/U = 0.01–0.03; Fig. 4l). Some grains also exhibited an additional unzoned, outermost rim. Forty-six of these unzoned rims yielded 207-corrected $^{206}Pb/^{238}U$ dates ranging from 20.47 ± 0.58 Ma to 13.92 ± 0.40 Ma. These younger Miocene zircons were characterized by slightly lower Th/U ratios of 0.004–0.02 that generally

increased with increasing age. The chemistry of these zircons overall revealed a general age trend in which the steepness of the HREE increased (from Lu_n/Dy_n of 2.4 to 12) as the dates became younger (Fig. 7d).

Zircons separated from a cross-cutting quartz–plagioclase–biotite pegmatite (BU12-209) collected 11.5 km above the MCT and 4.8 km above the KT were elongate and prismatic. Cathodoluminescence images revealed cores mantled by oscillatory-zoned rims (Fig. 3m). An additional outer, unzoned rim was present on some grains in addition to the core and an intermediate, oscillatory zone. Spot analyses from twenty zircons yielded 207-corrected $^{206}Pb/^{238}Pb$ dates between 26.55 ± 0.59 Ma and 24.53 ± 0.57 Ma (Th/U = 0.02–0.04; Fig. 4m). In addition, thirty-six analyses from the outermost unzoned rims yielded the youngest 207-corrected $^{206}Pb/^{238}Pb$ dates between 24.85 ± 0.60 Ma and 17.27 ± 0.38 Ma (Th/U = 0.003–0.03). The three youngest rim dates clustered together and yielded a weighted-mean average age of 17.40 ± 0.22 (MSWD = 0.44). The Ti-in-zircon thermometry showed a range of temperature results from the pegmatite, from ~510 to 700 ºC; temperatures did not correlate with age. Furthermore, a single zircon core yielded an older 207-corrected $^{206}Pb/^{238}U$ date of ca. 490 Ma (Th/U = 1.3). Despite the large spread in the U-Pb dates, the chemistry of the pegmatite zircons revealed a very consistent HREE pattern, with a moderately-steep slope (Lu_n/Dy_n = 2.5–11) that did not correlate with age (online resource Fig. 1i).

A quartz–plagioclase–biotite–muscovite–garnet–sillimanite orthogneiss (BU12-221) was collected 14.0 km above the MCT and 7.3 km above the KT. Zircons from the orthogneiss were euhedral and elongate, and CL images of the zircons showed mainly oscillatory-zoned grains, whereas some grains had a core mantled by an oscillatory-zoned rim (Fig. 3n). Moreover, two zircon rims revealed small metamorphic tips on the ends of the grains that yielded 207-corrected $^{206}Pb/^{238}U$ dates of 27.83 ± 0.64 Ma and 23.04 ± 0.43 Ma (Th/U = 0.004 and 0.007, respectively; Fig. 4n). Spot analyses from fifty-one zircons (two of which yielded the Oligocene rims) gave a concordant $^{206}Pb/^{238}U$ population of ca. 505 Ma (Th/U = 0.03–1.75; Fig. 5j). The two Oligocene zircons overlapped with the relatively moderate HREE patterns of the ca. 505 Ma zircon population (Lu_n/Dy_n = 3.6 and 9.8) (online resource Fig. 1j).

Lower-GH, Bumthang Chu transect, central Bhutan

Located 3.4 km above the MCT (note: for the Bumthang Chu transect, structural distances above the MCT are estimated from the depth of the MCT in the Bumthang Chu cross-section of Long et al. [2011b]) and 5.2 km below the KT, zircons from a quartz–plagioclase–biotite–muscovite–garnet–kyanite metapelite (BU13-01b) were rounded, elongate grains, and CL images showed core and rim relationships (Fig. 3o). Nine zircons had similar 207-corrected $^{206}Pb/^{238}U$ dates between 30.16 ± 0.67 and 22.18 ± 0.53 Ma (Fig. 4o). The Oligocene–Miocene dates were accompanied by similar, low Th/U ratios (0.001–0.006) and Ti-in-zircon temperatures of ~540–670 ºC that did not vary systematically with age (Fig. 8). The REE chemistry of these ten Oligocene–Miocene zircons had one population of five grains that revealed a flat HREE pattern (Lu_n/Dy_n = 0.58–0.99), whereas the other five grains yielded steeper HREE patterns (Lu_n/Dy_n = 1.83–4.23) (online resource Fig. 1k). The HREE populations did not correlate with age.

A quartz–plagioclase–biotite–muscovite–garnet–sillimanite metapelite (BU13-04b) exposed 5.3 km above the MCT and 3.3 km below the KT contained rounded, elongate zircons. The CL images typically revealed cores surrounded by a mantle and a bright, convolute-zoned rim (Fig. 3p). Spot analyses from two zircons gave dates of 33.30 ± 0.82 Ma and 33.50 ± 0.98 Ma (Th/U = 0.01 and 0.03), respectively, whereas six rims had dates between 30.05 ± 0.72 Ma and 20.67 ± 0.46 Ma (Th/U = 0.002–0.01; Fig. 4p). Ti-in-zircon temperatures from these Oligocene–Miocene grains ranged from ~510 to 670 ºC (Fig. 8) and showed an inverse trend, where Miocene dates revealed the highest temperatures. Furthermore, one rim and ten cores yielded concordant Proterozoic dates between ca. 2.1 and 0.7 Ga (Th/U = 0.09–1.3) (Fig. 5k), whereas one core analysis gave a discordant date. Zircons from the metapelite revealed a wide range of REE abundances and mostly moderately steep patterns (online resource Fig. 1l). The Oligocene–Miocene grains typically contained the lowest trace-element abundances and a variety of HREE profiles, from a Lu_n/Dy_n ratio of 29 to 3; the ratios did not correlate with age.

Located 7.7 km above the MCT and 0.9 km below the KT, zircons from a fine-grained, quartz–plagioclase–biotite–muscovite–staurolite–garnet–sillimanite metapelite (BU13-18b), sampled from rocks mapped as the Naspe Formation, defined by Bhargava (1995), were rounded or elongate grains. A zircon

rim analysis had a 207-corrected $^{206}Pb/^{238}U$ date of 32.92 ± 0.74 Ma, a Th/U ratio of 0.005, and a Ti-in-zircon temperature of ~590 ºC (Fig. 4q). Seven additional zircons revealed concordant $^{206}Pb/^{238}U$ dates ranging from ca. 600 to 225 Ma (Fig. 5l), and these inherited dates had Th/U ratios of 0.03–0.78. The single Oligocene date revealed a flat HREE pattern (Lu_n/Dy_n = 1.5) in comparison to the rest of the zircons from this sample (Lu_n/Dy_n = 3.1–40.7, avg. = 13.5) (online resource Fig. 1m).

Cathodoluminescence images of euhedral, elongate zircons extracted from a folded, foliation-parallel quartz–plagioclase–muscovite–garnet leucosome (BU13-23d) collected 8.7 km above the MCT and 0.1 km above the KT, showed two types of zircons. Some zircons had oscillatory-zoned cores and unzoned rims, whereas others had oscillatory- or unzoned cores mantled by a darker, oscillatory zone, in addition to an outermost unzoned rim (Fig. 3r). Twelve unzoned rims yielded 207-corrected $^{206}Pb/^{238}U$ dates ranging from 28.06 ± 0.70 to 23.55 ± 0.57 Ma (Th/U = 0.002 to 0.02), whereas a single, bright, unzoned core gave an older date of 31.13 ± 0.68 Ma (Th/U = 0.006; Fig. 4r). The oldest three Oligocene zircons from the sample revealed distinct flat HREE patterns (Lu_n/Dy_n = 0.5–1.4; Fig. 7e). Fourteen darker, oscillatory-zoned intermediate zones had 207-corrected $^{206}Pb/^{238}U$ dates ranging from 23.67 ± 0.55 Ma to 22.23 ± 0.82 Ma, and low Th/U ratios of 0.008–0.026 and moderately steep HREE patterns that did not correlate with age. Furthermore, seven analyses of the outermost, unzoned rims gave the youngest dates of 21.65 ± 0.47 Ma to 14.00 ± 0.36 Ma characterized by similar Th/U ratios of 0.007–0.070. Of these zircons, only the 14 Ma grain yielded a distinct REE pattern: overall it had the highest REE abundances, and it yielded a relatively flat HREE profile (Lu_n/Dy_n = 3.1; Fig. 7e). Moreover, the zircons showed a relatively narrow Ti-in-zircon temperature range of ~500–680 ºC with no major age trend; however, the ca. 14 Ma zircon did yield the highest temperature of 680 ºC. Twenty-eight grains also yielded older concordant dates that cluster around ca. 502 Ma (Th/U ratios of 0.09–1.8; Fig. 4r, 5m). Furthermore, a core from a single zircon had a much older $^{207}Pb/^{206}Pb$ date of ca. 1.7 Ga, with a Th/U ratio of 0.5.

Located 11.0 km above the MCT and 2.4 km above the KT, a foliation-parallel quartz–plagioclase–K-feldspar–biotite pegmatitic leucosome (BU13-37b) yielded euhedral zircons with cores overgrown by oscillatory-zoned or mainly metamict rims (Fig. 3s). Eight zircons yielded the oldest dates in the

Oligocene–Miocene population, ranging from 25.84 ± 0.68 Ma to 24.59 ± 0.78 Ma (207-corrected $^{206}Pb/^{238}U$ dates; Th/U = 0.005–0.02). In addition, thirty younger analyses of oscillatory- or metamict-zoned rims gave 207-corrected $^{206}Pb/^{238}U$ dates ranging from 24.27 ± 0.62 Ma to 21.78 ± 0.47 Ma; these grains were characterized by Th/U ratios of 0.002–1.6 (Fig. 4s). Furthermore, spot analyses of unzoned outer rims from nine zircons yielded 207-corrected $^{206}Pb/^{238}U$ dates ranging from 21.77 ± 0.48 to 17.93 ± 0.40 Ma (Th/U = 0.003–0.71). The three youngest analyses were all from a single zircon. These Himalayan-age grains all revealed similar steep HREE patterns; however, the general REE abundances increased and the overall steepness of the HREE pattern decreased with decreasing age (e.g., a ca. 26 Ma grain had a Lu_n/Dy_n = 49 versus the ca. 18 Ma grain revealed a Lu_n/Dy_n = 17) (Fig. 7f). Ti-in-zircon temperature results ranged from ~500 to 650 ºC for the Oligocene–Miocene zircons and did not correlate with age. Furthermore, spot analyses from twenty-three zircons (eight additional zircons and fifteen that gave the Oligocene–Miocene rim dates) clustered around ca. 480 Ma (Th/U = 0.001–1.72; Fig. 5n).

Zircons from a quartz–plagioclase–biotite–amphibole–garnet orthogneiss (BU13-42b) located 3.2 km above the KT and 11.8 km above the MCT, were elongate, but rounded. Cathodoluminescence images showed oscillatory-zoned cores and thin rims (Fig. 3t) that were too thin to be analyzed. Twenty zircons yielded a concordant $^{206}Pb/^{238}U$ age population at ca. 500 Ma (Th/U = 0.11–1.8; Fig. 4t, 5o).

Trace-element analyses

All of the analyses were conducted over two trips to UC-Santa Barbara. The trace elements were measured by the Attom during the first analytical session and by the quadrupole during the second analytical session. The Attom allows for measurement of elemental abundances within a 40 % mass range using a simple matrix-matched sample-standard bracketing approach (i.e., no internal standard). Generally for zircon, the Attom produced 2σ precision of 2–5 % for elemental abundances greater than 100 ppm, 5–10 % for elemental abundances to 1 ppm, and greater than 10 % for abundances less than 1 ppm. In addition, for monazite, measurements produced 10–20 % uncertainty for measurements greater than 100 ppm and 50 % for abundances of 5–100 ppm. Alternatively, the quadrupole ICPMS is one-third

less sensitive than the Attom but can scan a much larger mass range without a significant penalty in switching-time, allowing the use of an internal standard (Zr) and the measurement of elements of interest other than the REEs and Hf (e.g., Ti and Y).

For trace-element analyses, zircon unknowns were normalized to GJ1, whereas Bananeria was used as the primary reference material for monazite. Standards 91500 and 44069 were used to assess accuracy and returned values consistent with published values (Liu et al., 2010; John Cottle, personal comm.).

References

Aleinikoff JN, Schenck WS, Plank MO et al (2006) Deciphering igneous and metamorphic events in high-grade rocks of the Wilmington Complex, Delaware: morphology, cathodoluminescence and backscattered electron zoning, and SHRIMP U–Pb geochronology of zircon and monazite. Geol Soc Am Bull 118:39–64. doi:10.1130/B25659.1

Horstwood MSA, Foster GL, Parrish RR et al (2003) Common-Pb corrected in situ U–Pb accessory mineral geochronology by LAMC-ICP-MS. J Anal At Spectrom 18:837. doi:10.1039/b304365g

Jackson SE, Pearson NJ, Griffin WL, Belousova EA, (2004) The application of laser ablation-inductively coupled plasma-mass spectrometry to in situ U/Pb zircon geochronology. Chem Geol 211:47–69.

Kylander-Clark ARC, Hacker BR, Cottle JM (2013) Laser-ablation split-stream ICP petrochronology. Chem Geol 345:99–112. doi: 10.1016/j.chemgeo.2013.02.019.

Liu Y, ZhaoChu H, Zong K et al (2010) Reappraisement and refinement of zircon U–Pb isotope and trace element analyses by LA-ICP-MS. Chinese Sci Bull 55:1535–1546.

Ludwig KR (2012) Isoplot 3.75: A geochronological toolkit for Microsoft Excel. Berkeley Geochronology Center, Special Publication 5.

Paton C, Woodhead JD, Hellstrom JC et al (2010) Improved laser ablation U–Pb zircon geochronology through robust downhole fractionation correction. Geochem Geophys Geosyst. doi:10.1029/2009GC002618

Wiedenbeck M, Alle P, Corfu F et al (1995) Three natural zircon standards for U–Th–Pb, Lu–Hf, trace

element and REE analyses. Geostandards Newsletter 19:1–23.

eTable 4 supplementary material: Trace-element monazite data from the lower-GH in eastern Bhutan[1]

Sample	$^{208}Pb/^{232}Th$ Age (Ma)	Y	La	Ce	Pr	Nd		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Eu*[2]	Yb/Gd
BU12-178c: Schist (UTM: 323891, 3059810)																			
BU12_178c_34	15	15605	216034	181077	138710	100438	68677	46959	6446	33417	25083	15854	10527	6000	3076	1453	644	0.83	0.04
BU12_178c_35	15	9892	235443	187602	139032	108096	73914	50541	8000	31457	22278	12642	7345	3744	1804	894	412	0.85	0.02
BU12_178c_36	15	5981	234599	182708	135484	92341	64704	45338	6571	28090	18694	8699	4418	2138	980	565	232	0.84	0.02
BU12_178c_37	15	6013	241772	192496	146237	104158	69786	46757	7482	28492	18639	8496	4745	2106	884	519	206	0.85	0.01
BU12-182: Kyanite metapelite (UTM: 320786.2, 3062300)																			
BU12_182_38	442	3134	232068	199837	146237	115536	82222	58514	13625	31658	13556	5325	2309	925	368	178	75	0.89	0.00
BU12_182_39	671	6376	219409	182708	152688	107877	77169	55203	13571	35829	22222	9878	4945	1794	628	327	103	0.89	0.01
BU12_182_40	684	6197	226582	195269	150860	109847	77823	55135	14071	35930	22083	10122	4745	1875	836	407	140	0.89	0.01
BU12_182_41	442	6280	221941	177977	131505	91685	63700	44257	13571	26181	16972	8171	4745	2200	872	472	208	0.91	0.01
BU12_182_43	16	7389	211392	167537	130108	94530	65417	45270	13982	30201	18972	8780	4418	1713	596	362	186	0.91	0.01
BU12_182_44	16	6541	203797	182708	129032	92341	64074	44459	14464	30603	19167	9024	4273	1556	528	348	171	0.91	0.01
BU12_182_45	17	7841	227426	174388	132258	93435	65521	45946	15054	28543	18972	9431	5636	2588	1116	739	476	0.92	0.02
BU12_182_48	31	7771	271730	189233	144086	110066	74384	50270	18929	30603	19472	10366	6382	2800	1176	534	352	0.93	0.01
BU12_182_50	114	6210	216878	172757	126667	99125	66082	44054	16839	28894	19056	9065	4073	1656	656	288	216	0.93	0.01
BU12_182_52	353	6656	222785	181077	125806	99125	68128	46824	15536	29648	19556	9837	5236	2088	728	389	208	0.92	0.01
BU12_182_55	457	9637	208017	181892	127312	95624	64655	43716	15946	28794	18944	10285	6618	3600	1676	969	576	0.92	0.03
BU12_182_56	15	13439	209705	177814	130108	98249	68071	47162	17107	28995	22944	13740	8745	4381	2104	1149	656	0.93	0.03
BU12_182_57	16	11975	217722	186297	139785	106346	73215	50405	20179	33518	24861	13902	7764	3813	1828	888	484	0.93	0.02
BU12-190a: Layer-parallel leucosome (UTM: 3168204, 3068204)																			
BU12-190a_21	15	12548	216456	179445	130108	99125	69394	48581	6946	33819	23889	13780	9218	4300	2084	1130	520	0.83	0.03
BU12-190a_22	15	11911	219409	184339	136559	92998	67681	49257	6839	31357	21944	13374	8800	4150	1992	1137	408	0.83	0.03
BU12-190a_24	15	12930	232911	194127	137419	99344	70431	49932	7054	32161	24861	15325	10291	4800	2288	1298	524	0.84	0.03
BU12-190a_25	15	11783	218565	170799	133333	96937	64339	42703	5946	28794	21139	12439	8291	4044	2276	1112	540	0.83	0.03
BU12-190a_26	15	14713	242194	184339	134516	102626	73449	52568	7018	35930	24889	15610	11091	5263	3068	1665	712	0.83	0.04
BU12-190a_27	15	7006	252743	218597	150538	107659	74157	51081	7054	30955	17722	8862	5218	2213	992	502	204	0.84	0.01
BU12-190a_30	14	13822	221097	181077	142796	110722	77023	53581	7304	38844	26444	16138	9873	4694	2536	1304	548	0.83	0.03
BU12-190a_31	15	5962	220253	174225	129032	98249	68022	47095	6554	29447	17139	8984	4709	2100	1084	464	222	0.83	0.01
BU12-190a_32	14	9427	242194	194127	144839	118162	75818	48649	6411	32010	21861	11789	7036	3475	1896	932	372	0.83	0.02
BU12-190a_33	14	16688	237553	185971	139785	113348	74772	49324	5750	36834	28333	18089	13273	7875	4400	2193	924	0.81	0.05
BU12-193a: Sillimanite metapelite (UTM: 316691, 3068629)																			
BU12_193a_1	14	13376	214768	174551	137097	101094	71240	50203	6429	38342	31333	17358	10018	4794	1760	801	428	0.82	0.02
BU12_193a_2	15	16433	209705	182055	131183	98468	72499	53378	6446	39899	32972	19350	12855	5594	2472	1056	556	0.82	0.02
BU12_193a_3	14	15924	216456	189233	133656	100656	73161	53176	6411	39196	31556	20163	11982	5538	2444	1006	596	0.82	0.02

BU12_193a_4	15	14586	221941	185971	134409	103282	74951	54392	6393	42312	30806	17846	11127	5381	1968	851	496	0.81	0.02
BU12_193a_8	15	4045	235021	203915	150538	110941	78878	56081	7161	34070	16667	6220	2782	1156	408	175	106	0.83	0.00
BU12_193a_11	16	3949	233333	209299	142473	106346	74044	51554	7232	32362	15750	6220	2745	1213	444	184	92	0.84	0.00
BU12_193a_12	14	15860	226160	203100	139785	107659	75759	53311	5786	38894	30472	17561	10964	5500	2464	1025	512	0.81	0.02
BU12_193a_13	14	16051	210970	202284	130645	104376	73259	51419	6036	38945	31389	18740	11527	5575	2616	1006	532	0.81	0.02
BU12_193a_14	15	14013	218143	203915	135054	102188	70115	48108	5875	37437	27361	15447	9891	5006	2188	832	432	0.81	0.02
BU12_193a_15	15	3994	240084	208972	134194	104814	66955	42770	5946	27387	13250	5772	2709	1250	540	267	120	0.83	0.01
BU12_193a_17	15	3344	256540	230016	151613	110284	72891	48176	6750	28543	14333	5488	2255	850	304	119	45	0.84	0.00
BU12_193a_18	14	17516	224473	191843	137634	107440	74668	51892	5018	37035	26806	16585	11345	6019	3132	1553	724	0.80	0.03
BU12_193a_19	14	5210	216878	197390	136882	107659	72571	48919	6304	31005	17917	7236	3291	1331	500	259	104	0.83	0.01
BU12_193a_20	15	13376	222785	189233	138710	97593	69000	48784	5768	36533	26278	15772	9545	4675	2356	1224	576	0.81	0.03

[1]all data is normalized to chondrite values from McDonough and Sun (1995)

[2]Eu*= Log(Eu)/(Log(Gd)+Log(Sm)/2)