spot	SiO2	TiO2	Al2O3	Cr2O3	FeO*	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	Total	Si	Ti	Al	Cr	Fe(ii)	Mn	Mg	Ca	Na	K	TOTAL
PYX011	51.10	0.32	1.31	0.00	8.63	0.47	17.03	20.76	0.38	0.00	0.00	0.00	100.00	1.878	0.009	0.057	0.000	0.265	0.015	0.933	0.817	0.027	0.000	4.000
PYX014	50.69	0.46	1.75	0.00	8.62	0.38	16.75	20.96	0.39	0.00	0.00	0.00	100.00	1.864	0.013	0.076	0.000	0.265	0.012	0.918	0.826	0.027	0.000	4.000
PYX015	51.13	0.35	1.48	0.00	8.82	0.52	16.78	20.47	0.43	0.01	0.02	0.00	100.00	1.881	0.010	0.064	0.000	0.271	0.016	0.920	0.807	0.030	0.001	4.000
PYX004	52.05	0.50	1.84	0.00	8.42	0.27	17.32	19.22	0.37	0.00	0.00	0.00	100.00	1.910	0.014	0.079	0.000	0.258	0.008	0.947	0.756	0.027	0.000	4.000
PYX027	50.57	0.41	1.66	0.00	8.54	0.47	16.57	21.32	0.45	0.00	0.00	0.00	100.00	1.859	0.011	0.072	0.000	0.263	0.015	0.908	0.840	0.032	0.000	4.000
PYX029	49.63	0.51	2.29	0.00	10.15	0.32	16.75	19.90	0.37	0.04	0.04	0.00	100.00	1.829	0.014	0.099	0.000	0.313	0.010	0.920	0.786	0.026	0.002	4.000
PYX026	50.35	0.46	2.30	0.04	8.24	0.30	16.52	21.42	0.40	0.00	0.00	0.00	100.04	1.849	0.013	0.100	0.001	0.253	0.009	0.905	0.843	0.028	0.000	4.000
PYX018	50.11	0.57	2.41	0.03	8.25	0.32	17.00	20.98	0.35	0.00	0.01	0.00	100.03	1.838	0.016	0.104	0.001	0.253	0.010	0.929	0.824	0.025	0.000	4.000
PYX028	50.75	0.49	2.83	0.11	7.50	0.17	17.08	20.88	0.29	0.00	bdl	0.00	100.11	1.856	0.014	0.122	0.003	0.229	0.005	0.932	0.818	0.021	0.000	4.000
PYX005	51.05	0.50	2.56	0.09	8.04	0.19	17.31	19.98	0.36	0.00	0.00	0.00	100.09	1.868	0.014	0.110	0.003	0.246	0.006	0.944	0.783	0.026	0.000	4.000
PYX017	49.25	0.76	3.11	0.00	8.23	0.23	16.97	21.04	0.39	0.00	0.01	0.00	100.00	1.804	0.021	0.134	0.000	0.252	0.007	0.927	0.826	0.028	0.000	4.000
PYX010	48.69	0.89	5.51	0.03	7.69	0.14	15.23	21.31	0.44	0.08	0.02	0.00	100.03	1.788	0.025	0.238	0.001	0.236	0.004	0.834	0.838	0.031	0.004	4.000
PYX006	50.88	0.41	2.35	0.20	7.72	0.17	18.12	20.05	0.29	0.00	bdl	0.00	100.20	1.854	0.011	0.101	0.006	0.235	0.005	0.984	0.783	0.021	0.000	4.000
PYX021	50.05	0.64	3.05	0.02	7.59	0.22	17.08	20.95	0.41	0.00	0.01	0.00	100.02	1.830	0.017	0.131	0.001	0.232	0.007	0.931	0.821	0.029	0.000	4.000
PYX025	49.49	0.64	3.25	0.05	7.44	0.16	17.28	21.40	0.34	0.00	0.00	0.00	100.05	1.807	0.018	0.140	0.001	0.227	0.005	0.941	0.837	0.024	0.000	4.000
PYX016	50.57	0.59	2.94	0.02	7.54	0.25	16.60	21.05	0.39	0.00	0.07	0.00	100.02	1.854	0.016	0.127	0.001	0.231	0.008	0.908	0.827	0.028	0.000	4.000
PYX003	51.54	0.41	2.42	0.23	7.28	0.17	17.83	20.05	0.30	0.00	0.00	0.00	100.23	1.878	0.011	0.104	0.007	0.222	0.005	0.969	0.783	0.021	0.000	4.000
PYX030	51.44	0.49	2.16	0.02	8.45	0.26	16.73	20.01	0.35	0.10	0.00	0.00	100.02	1.890	0.014	0.094	0.000	0.260	0.008	0.917	0.788	0.025	0.005	4.000
PYX012	51.28	0.51	2.25	0.06	7.80	0.19	17.44	20.17	0.35	0.00	0.00	0.00	100.06	1.876	0.014	0.097	0.002	0.239	0.006	0.951	0.790	0.025	0.000	4.000
PYX009	50.28	0.54	2.71	0.07	8.07	0.26	16.88	20.86	0.39	0.00	0.00	0.00	100.07	1.842	0.015	0.117	0.002	0.247	0.008	0.922	0.819	0.028	0.000	4.000
PYX007	51.36	0.41	2.30	0.14	7.48	0.20	17.71	20.17	0.35	0.03	0.00	0.00	100.14	1.874	0.011	0.099	0.004	0.228	0.006	0.963	0.788	0.025	0.001	4.000
PYX022	50.32	0.63	2.86	0.02	6.96	0.15	17.52	21.21	0.34	0.00	0.01	0.00	100.02	1.836	0.017	0.123	0.001	0.212	0.005	0.953	0.829	0.024	0.000	4.000
PYX019	49.97	0.68	3.01	0.02	7.03	0.15	17.02	21.79	0.34	0.00	0.00	0.00	100.02	1.827	0.019	0.130	0.001	0.215	0.005	0.927	0.853	0.024	0.000	4.000
PYX013	49.96	0.66	2.98	0.03	6.79	0.14	17.43	21.71	0.32	0.00	0.00	0.00	100.03	1.822	0.018	0.128	0.001	0.207	0.004	0.948	0.848	0.023	0.000	4.000
PYX023	48.93	0.91	4.42	0.08	7.34	0.13	16.44	21.45	0.38	0.00	0.01	0.00	100.08	1.790	0.025	0.190	0.002	0.224	0.004	0.896	0.840	0.027	0.000	4.000
PYX020	48.78	0.93	4.34	0.15	7.50	0.13	16.31	21.63	0.36	0.00	0.00	0.00	100.15	1.785	0.026	0.187	0.004	0.230	0.004	0.890	0.848	0.026	0.000	4.000
PYX008	50.56	0.59	3.36	0.21	6.90	0.16	17.17	20.91	0.35	0.00	0.00	0.00	100.21	1.844	0.016	0.144	0.006	0.210	0.005	0.934	0.817	0.025	0.000	4.000
PYX024	49.68	0.70	3.90	0.13	6.98	0.15	16.53	21.69	0.37	0.00	0.01	0.00	100.13	1.815	0.019	0.168	0.004	0.213	0.005	0.901	0.849	0.026	0.000	4.000

spot	K	Sc	Ti	V	Cr	Mn	Co	Ni	Cu	Zn	Ga	Rb	Sr	Y	Zr	Nb	Cs	Ba	La	Ce	Pr
PYX011	bdl	168.0	1909.5	124.6	bdl	3653.3	21.2	1.5	2.6	81.9	4.7	bdl	36.1	46.5	23.9	0.0	bdl	0.0	2.22	11.79	2.57
PYX014	bdl	151.4	2744.6	160.6	4.6	2934.9	25.3	7.7	2.8	69.6	5.4	bdl	42.0	39.9	25.0	0.0	bdl	0.0	2.14	11.07	2.41
PYX015	92.9	178.5	2100.4	140.3	4.4	4029.8	25.1	21.5	6.3	91.1	5.0	0.3	37.0	67.3	31.2	0.1	0.0	2.9	3.37	16.64	3.71
PYX004	bdl	101.7	3002.4	223.1	5.0	2077.3	35.6	22.7	2.6	46.7	5.4	bdl	42.5	16.2	11.3	0.0	bdl	0.0	0.83	4.74	0.99
PYX027	bdl	182.2	2439.5	152.6	27.3	3631.5	25.0	31.9	3.4	97.1	5.7	0.0	43.9	72.1	30.0	0.0	bdl	0.3	3.15	15.83	3.61
PYX029	357.6	100.8	3059.8	208.6	19.1	2495.4	34.6	54.7	48.9	95.9	5.9	1.9	52.2	37.3	59.0	0.4	0.1	1.1	1.50	6.91	1.54
PYX026	23.3	126.1	2761.0	181.0	273.7	2329.6	31.4	58.7	4.7	61.8	6.2	0.2	56.3	44.3	27.5	0.0	0.0	0.1	2.11	10.86	2.40
PYX018	36.6	117.2	3421.5	180.3	234.3	2484.2	32.6	64.9	4.8	61.4	6.1	0.2	61.5	30.4	26.2	0.0	0.0	0.1	1.69	8.55	1.88
PYX028	bdl	120.0	2956.9	282.6	775.5	1350.7	37.5	85.7	2.9	35.4	5.4	bdl	41.3	9.1	7.4	0.0	bdl	0.0	0.42	2.06	0.44
PYX005	11.5	111.2	3012.3	313.0	613.7	1472.5	39.7	88.2	4.7	35.5	6.0	0.0	41.3	10.0	9.1	0.0	bdl	0.4	0.52	2.65	0.54
PYX017	bdl	79.3	4560.4	229.7	15.1	1816.1	38.2	91.2	5.8	57.0	8.5	bdl	109.9	21.9	29.1	0.0	0.0	0.0	2.48	12.36	2.57
PYX010	705.3	84.4	5363.5	226.4	229.2	1078.6	33.8	102.4	11.1	53.3	9.3	4.0	133.8	9.3	20.5	0.1	0.2	3.0	1.40	6.23	1.23
PYX006	bdl	98.0	2474.3	278.0	1350.0	1335.5	41.5	110.2	2.2	31.1	5.5	bdl	39.1	6.9	5.5	0.0	bdl	0.0	0.32	1.66	0.34
PYX021	18.2	79.3	3812.9	184.8	139.8	1700.8	38.2	118.2	3.3	52.7	7.6	0.0	102.8	18.3	21.2	0.0	bdl	0.2	2.26	10.43	2.08
PYX025	18.8	102.1	3833.5	235.0	320.1	1274.5	36.7	120.9	4.7	33.5	6.0	0.1	79.4	9.9	12.5	0.0	0.0	0.6	1.03	4.74	1.03
PYX016	28.3	69.3	3559.0	169.3	126.2	1932.1	36.4	121.0	3.2	58.2	7.2	0.0	132.8	14.4	18.0	0.0	bdl	1.3	2.51	11.38	2.12
PYX003	bdl	94.6	2434.7	283.5	1551.7	1281.8	39.4	125.5	2.3	29.0	5.6	bdl	38.2	7.2	6.0	0.0	bdl	bdl	0.32	1.79	0.38
PYX030	818.4	111.7	2947.5	245.9	107.8	2008.3	43.0	125.6	5.2	57.3	5.9	0.7	40.7	20.8	19.4	0.0	0.0	0.5	1.32	6.65	1.40
PYX012	bdl	97.1	3042.7	266.1	440.9	1492.4	41.3	140.5	2.7	36.3	5.5	bdl	41.7	13.9	9.7	0.0	bdl	0.0	0.60	3.16	0.68
PYX009	bdl	99.9	3234.0	204.2	501.0	2043.8	33.2	144.1	3.8	55.4	6.4	0.0	70.9	24.2	17.5	0.0	0.0	0.2	1.52	7.97	1.69
PYX007	257.0	80.9	2473.4	210.9	972.4	1548.3	37.0	151.5	3.6	39.0	5.2	0.2	47.5	11.3	10.9	0.0	0.0	0.0	0.76	3.83	0.76
PYX022	bdl	68.7	3785.5	164.6	130.1	1167.2	39.5	175.9	3.2	39.2	6.4	bdl	120.6	7.3	11.6	0.0	bdl	0.0	1.25	6.78	1.40
PYX019	bdl	68.8	4053.0	164.8	165.9	1198.3	38.9	180.6	3.2	41.7	6.8	bdl	132.6	9.1	13.9	0.0	bdl	0.0	1.39	7.32	1.51
PYX013	bdl	70.5	3982.0	157.2	232.2	1097.6	38.2	207.6	2.8	37.4	6.4	bdl	127.4	6.9	11.9	0.0	bdl	0.0	1.25	6.50	1.35
PYX023	bdl	82.2	5476.0	207.0	559.2	1014.1	38.0	217.6	2.9	40.5	9.2	bdl	149.3	8.4	18.4	0.0	bdl	0.0	1.84	9.07	1.88
PYX020	4.3	90.7	5562.6	208.6	1059.6	1038.4	35.6	232.5	3.5	34.6	9.0	0.1	120.7	8.6	16.9	0.0	0.0	0.0	1.36	7.00	1.48
PYX008	6.2	89.0	3520.9	188.2	1416.2	1225.2	34.5	234.5	2.4	34.3	7.2	bdl	96.8	8.8	9.6	0.0	bdl	0.4	0.86	4.69	0.91
PYX024	13.3	77.8	4214.2	171.8	865.6	1174.5	35.4	258.3	10.7	41.9	8.0	0.0	130.3	27.4	16.1	0.0	bdl	0.4	1.45	7.07	1.50

Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	Pb	Th	U	sumREE
17.56	6.98	1.69	8.30	1.47	9.87	1.90	5.15	0.66	4.49	0.61	1.11	0.00	0.12	0.01	0.00	75.27
16.40	6.42	1.55	7.38	1.26	8.47	1.67	4.47	0.57	3.86	0.51	1.17	0.00	0.10	0.01	0.00	68.19
25.30	10.13	2.15	11.91	2.12	14.34	2.77	7.37	0.97	6.36	0.89	1.42	0.01	0.27	0.03	0.00	108.03
6.77	2.57	0.83	3.17	0.55	3.58	0.67	1.78	0.23	1.53	0.22	0.52	0.00	0.06	0.00	0.00	28.46
25.27	10.44	2.44	12.98	2.31	15.63	3.13	8.26	1.10	7.29	1.00	1.30	0.00	0.14	0.01	0.00	112.44
10.35	3.97	1.11	4.78	0.84	5.73	1.12	3.09	0.41	2.83	0.38	1.83	0.01	1.10	0.05	0.08	44.57
16.20	6.46	1.42	7.52	1.37	9.34	1.87	5.05	0.67	4.51	0.62	1.23	0.00	0.14	0.01	0.00	70.40
12.88	4.93	1.34	5.67	0.98	6.42	1.25	3.33	0.45	2.98	0.39	1.17	0.01	0.13	0.01	0.00	52.75
3.13	1.36	0.50	1.68	0.30	1.99	0.39	1.00	0.13	0.87	0.12	0.36	0.00	0.04	0.00	0.00	14.39
3.62	1.50	0.54	1.86	0.34	2.13	0.41	1.13	0.14	0.96	0.12	0.43	0.00	0.05	0.01	0.00	16.46
15.89	4.95	1.35	4.75	0.73	4.62	0.87	2.37	0.31	2.02	0.27	1.51	0.01	0.11	0.01	0.00	55.54
7.46	2.20	0.71	2.11	0.35	2.09	0.39	0.99	0.12	0.81	0.11	0.96	0.01	0.19	0.09	0.01	26.20
2.40	1.01	0.37	1.29	0.22	1.47	0.29	0.75	0.10	0.64	0.09	0.26	0.00	0.03	0.00	0.00	10.96
12.94	3.99	1.14	3.89	0.64	4.00	0.77	1.99	0.27	1.82	0.25	1.09	0.01	0.10	0.01	0.00	46.45
6.89	2.18	0.69	2.17	0.35	2.12	0.42	1.08	0.14	0.94	0.12	0.65	0.00	0.12	0.01	0.00	23.90
12.11	3.42	0.96	3.05	0.49	3.07	0.59	1.53	0.20	1.41	0.19	0.94	0.00	0.12	0.02	0.00	43.02
2.60	1.08	0.40	1.34	0.25	1.63	0.31	0.77	0.10	0.71	0.10	0.30	0.00	0.03	0.00	0.00	11.78
9.26	3.40	0.95	4.03	0.71	4.45	0.86	2.33	0.32	2.07	0.27	0.91	0.00	0.17	0.01	0.00	38.02
4.66	1.88	0.63	2.43	0.40	2.68	0.52	1.37	0.17	1.13	0.15	0.46	0.00	0.06	0.00	0.00	20.47
11.21	3.91	1.09	4.19	0.74	4.98	0.97	2.68	0.35	2.41	0.33	0.79	0.00	0.12	0.01	0.00	44.05
4.91	1.73	0.59	2.09	0.36	2.37	0.47	1.26	0.16	1.12	0.15	0.49	0.00	0.05	0.01	0.00	20.56
8.53	2.33	0.69	1.98	0.29	1.68	0.31	0.77	0.10	0.62	0.08	0.64	0.00	0.08	0.01	0.00	26.80
9.47	2.69	0.80	2.26	0.34	1.95	0.34	0.91	0.12	0.78	0.10	0.74	0.00	0.10	0.01	0.00	29.98
8.49	2.27	0.66	1.87	0.26	1.56	0.28	0.69	0.09	0.58	0.07	0.62	0.00	0.08	0.01	0.00	25.93
11.81	3.10	0.95	2.49	0.34	1.99	0.36	0.90	0.11	0.69	0.10	1.03	0.01	0.10	0.01	0.00	35.65
9.23	2.60	0.81	2.29	0.34	1.98	0.37	0.91	0.11	0.76	0.10	0.89	0.01	0.07	0.01	0.00	29.34
5.66	1.79	0.64	1.92	0.32	2.00	0.38	0.93	0.12	0.81	0.10	0.51	0.00	0.06	0.00	0.00	21.14
9.12	2.69	0.78	2.52	0.39	2.41	0.45	1.20	0.15	0.98	0.13	0.80	0.00	0.42	0.01	0.00	30.84