

Supplementary Data File: Malkovets et al (Geology)
 Diamond, subcalcic garnet and mantle metasomatism:
 Kimberlite sampling patterns define the link

EMP and Proton Microprobe analyses of garnet and chromite grains from kimberlites, Yakutia and Arkhangelsk areas, Russia

GARNETS

Daldyn Field

sample	grain	SiO ₂	TiO ₂	Al ₂ O ₃	Cr ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	Ti	Ni	Zn	Ga
Udachnaya	gr1	41.8	0.20	19.8	4.09	7.92	0.42	20.5	5.05	0.02	1199	21.6	10.7	11.2
Udachnaya	gr2	41.7	0.07	19.6	4.32	9.47	0.46	19.9	4.52	0.04	420	27.9	18.8	6.10
Udachnaya	gr3	41.2	0.84	18.2	4.37	8.00	0.33	20.7	5.64	0.05	5036	81.3	12.9	14.9
Udachnaya	gr4	42.2	0.48	19.9	3.83	6.72	0.32	22.5	4.39	0.07	2878	56.1	11.9	12.9
Udachnaya	gr5	41.8	0.33	18.8	5.62	6.62	0.34	21.8	5.00	0.07	1978	59.6	11.8	10.7
Udachnaya	gr6	42.1	0.14	21.0	2.77	7.60	0.43	21.1	4.65	0.03	839	19.5	8.07	5.23
Udachnaya	gr7	42.2	0.31	20.6	3.04	8.33	0.46	20.6	4.65	0.05	1858	15.2	9.25	12.1
Udachnaya	gr8	41.6	0.09	20.8	2.27	6.63	0.31	22.1	4.22	0.02	540	33.7	8.86	6.36
Udachnaya	gr9	41.6	0.05	16.2	9.63	7.13	0.43	23.3	2.05	0.01	300	35.7	9.31	5.33
Udachnaya	gr10	42.6	0.42	19.7	3.59	6.98	0.37	22.4	4.24	0.07	2518	55.8	14.6	13.3
Udachnaya	gr11	42.4	0.13	18.6	5.63	6.63	0.39	22.7	3.39	0.02	779	52.2	8.26	6.49
Udachnaya	gr12	40.2	0.10	14.5	10.2	6.50	0.35	18.8	7.22	0.01	600	57.2	11.0	7.32
Udachnaya	gr13	42.2	0.43	19.5	3.77	7.00	0.31	21.9	4.64	0.08	2578	58.7	12.4	11.9
Udachnaya	gr14	41.2	0.13	16.5	8.03	6.56	0.31	21.5	4.76	0.02	779	65.6	11.8	8.28
Udachnaya	gr15	41.1	1.10	16.0	7.26	7.53	0.29	20.5	6.19	0.01	6595	98.0	13.8	9.71
Udachnaya	gr16	41.7	0.08	16.0	9.56	6.41	0.29	23.1	3.02	0.01	480	66.1	12.6	6.96
Udachnaya	gr17	42.5	0.07	19.3	4.50	7.57	0.30	21.4	5.14	0.03	420	69.3	12.0	12.0
Udachnaya	gr18	41.8	0.25	20.9	2.19	8.01	0.37	20.6	4.42	0.07	1499	23.2	9.22	12.3
Udachnaya	gr19	41.9	0.27	19.3	4.73	8.14	0.49	20.2	5.41	0.06	1619	25.9	9.86	10.2
Udachnaya	gr20	41.4	0.44	18.7	4.89	6.63	0.35	21.5	4.56	0.06	2638	53.6	9.62	12.5
Udachnaya	gr21	41.5	0.95	17.9	4.47	7.44	0.39	20.3	6.01	0.09	5695	52.5	13.3	16.9
Udachnaya	gr22	42.1	0.74	18.3	4.31	7.40	0.34	21.0	5.46	0.05	4436	94.7	12.5	11.9
Udachnaya	gr23	41.6	0.24	15.6	8.82	6.68	0.45	20.1	5.82	0.04	1439	53.9	10.1	9.83
Udachnaya	gr24	41.4	0.05	16.2	8.91	7.03	0.48	20.7	5.51	0.00	300	52.6	13.8	6.85
Udachnaya	gr25	41.1	0.21	18.8	4.84	7.77	0.48	23.9	5.48	0.04	1259	16.3	6.51	7.09
Udachnaya	gr26	41.9	0.03	17.0	8.13	6.90	0.42	23.9	1.02	0.00	180	41.1	10.6	5.32

Udachnaya	gr27	40.9	0.07	15.8	9.42	6.75	0.38	22.4	2.78	0.04	420	37.8	11.3	5.85
Udachnaya	gr28	40.9	0.40	16.9	6.97	7.06	0.39	20.4	5.73	0.05	2398	56.5	10.2	10.0
Udachnaya	gr29	41.5	0.17	15.9	9.16	6.46	0.30	22.9	2.85	0.02	1019	54.1	10.8	5.74
Udachnaya	gr30	41.4	0.20	18.7	5.50	8.06	0.40	20.0	5.59	0.06	1199	16.0	10.1	7.94
Udachnaya	gr31	41.9	0.51	19.7	3.39	7.02	0.29	22.0	4.15	0.07	3057	60.1	10.1	11.8
Udachnaya	gr32	41.8	0.23	19.4	4.50	7.96	0.42	20.3	5.18	0.04	1379	20.8	10.4	11.3
Udachnaya	gr33	41.6	0.08	17.8	6.74	7.15	0.35	20.7	5.64	0.01	480	46.4	8.87	11.3
Udachnaya	gr34	40.2	0.04	17.4	7.54	7.56	0.38	19.8	6.03	0.01	240	29.3	12.2	5.65
Udachnaya	gr35	40.2	0.01	17.2	7.23	7.41	0.42	19.6	5.99		60.0	29.3	11.0	5.97
Udachnaya	gr36	42.4	0.23	20.5	3.31	8.53	0.48	20.5	4.69	0.06	1379	18.0	9.76	11.2
Udachnaya	gr37	41.7	0.14	19.1	5.02	7.48	0.45	20.5	4.85	0.06	839	13.6	9.27	6.23
Udachnaya	gr38	41.9	0.27	19.4	4.64	7.97	0.38	20.4	5.26	0.05	1619	22.8	10.3	9.61
Udachnaya	gr39	41.4	0.27	17.0	6.72	7.25	0.40	20.1	5.75	0.02	1619	63.1	11.8	10.7
Udachnaya	gr40	41.7	0.51	18.8	4.17	7.52	0.35	20.9	5.04	0.04	3057	63.4	11.6	10.8
Udachnaya	gr41	41.9	0.33	18.4	5.38	7.07	0.34	21.0	5.17	0.05	1978	67.8	11.5	13.1
Udachnaya	gr42	41.5	0.14	16.1	8.79	7.36	0.40	21.1	4.90	0.04	839	61.8	11.1	7.32
Udachnaya	gr43	41.4	0.03	18.1	6.29	7.13	0.39	19.3	6.60		180	18.7	8.89	5.00
Udachnaya	gr44	42.2	0.26	19.6	3.63	7.19	0.36	21.2	4.85	0.04	1559	61.7	10.7	10.9
Udachnaya	gr45	40.9	0.14	18.0	7.01	6.63	0.38	20.5	4.56	0.04	839	63.6	10.3	8.56
Udachnaya	gr46	40.9	0.12	19.3	5.45	7.09	0.38	18.7	6.92	0.04	719	33.8	9.98	11.8
Udachnaya	gr47	41.4	0.26	20.2	3.71	7.47	0.35	20.5	4.97	0.04	1559	81.2	17.3	12.3
Udachnaya	gr48	41.9	0.44	20.0	4.12	6.98	0.32	21.1	4.37	0.08	2638	57.3	11.4	11.1
Udachnaya	gr49	41.1	0.19	19.6	5.34	8.02	0.45	18.9	5.62	0.04	1139	11.0	290	7.84
Udachnaya	gr50	40.7	1.13	19.4	3.12	8.74	0.37	20.2	4.92	0.09	6774	85.0	14.5	15.7
Udachnaya	gr51	42.0	0.14	20.2	3.96	7.69	0.33	20.4	4.90		839	68.1	12.8	9.35
Udachnaya	gr52	40.6	0.10	19.6	5.09	8.16	0.43	19.0	5.36	0.02	600	20.4	12.1	6.70
Udachnaya	gr53	41.4	0.06	19.2	5.29	7.22	0.28	20.2	5.47		360	79.9	13.3	9.54
Udachnaya	gr54	40.7	0.03	20.5	4.63	7.65	0.45	18.8	6.13		180	14.3	10.8	3.45
Udachnaya	gr55	41.2	0.29	18.3	6.12	7.05	0.39	19.7	5.78	0.04	1739	80.7	14.4	10.7
Udachnaya	gr56	40.5	0.19	19.4	5.67	7.47	0.47	18.7	5.67	0.03	1139	10.4	10.0	7.56
Udachnaya	gr57	41.8	0.09	21.8	2.29	7.64	0.42	21.2	4.25	0.03	540	44.4	9.28	8.46
Udachnaya	gr58	40.9	0.02	18.3	7.71	7.11	0.40	22.1	2.08	0.01	120	35.6	9.95	7.94
Udachnaya	gr59	40.6	0.13	17.3	8.00	7.82	0.43	18.3	6.22	0.04	779	26.6	13.3	8.74
Udachnaya	gr60	40.8	0.07	18.2	7.26	7.11	0.40	19.9	5.11	0.02	420	35.8	11.4	6.39
Udachnaya	gr61	41.4	0.40	20.7	3.66	8.11	0.35	20.5	4.76	0.03	2398	66.1	14.1	13.9
Udachnaya	gr62	41.6	0.08	18.9	6.11	6.91	0.35	21.0	4.33	0.02	480	67.5	12.7	7.90

Udachnaya	gr63	41.0	0.32	20.7	3.44	6.76	0.26	22.1	3.49	0.03	1918	64.6	14.5	5.76
Udachnaya	gr64	41.0	0.24	18.9	5.44	6.96	0.39	20.0	5.44	0.04	1439	52.5	11.2	9.61
Udachnaya	gr65	41.1	0.27	18.9	5.64	6.78	0.33	20.9	4.82	0.04	1619	63.9	11.5	10.4
Udachnaya	gr66	40.5	0.12	16.9	8.69	7.40	0.44	19.0	5.78	0.04	719	36.1	10.2	5.16
Udachnaya	gr67	42.1	0.19	22.1	2.54	9.27	0.41	19.6	4.71	0.04	1139	19.4	11.5	9.95
Udachnaya	gr68	41.3	0.02	14.6	12.2	7.12	0.45	21.0	3.60	0.01	120	42.5	12.1	4.28
Udachnaya	gr69	41.7	0.73	18.5	5.99	6.76	0.35	20.5	5.58	0.06	4376	69.3	11.8	9.33
Udachnaya	gr70	42.1	0.47	19.5	4.98	7.36	0.39	19.7	5.29	0.09	2818	40.5	11.1	10.3
Udachnaya	gr71	42.2	0.23	17.9	6.86	7.23	0.36	20.0	5.91	0.04	1379	91.3	14.6	11.2
Udachnaya	gr72	40.6	0.27	13.7	12.5	7.00	0.47	20.0	4.63	0.05	1619	43.8	13.0	5.76
Udachnaya	gr73	41.4	1.10	16.3	7.38	8.27	0.41	19.3	6.33	0.07	6595	105	13.9	16.6
Udachnaya	gr74	42.7	0.02	21.4	4.08	6.90	0.30	22.9	2.37	0.04	120	39.8	10.2	5.37
Udachnaya	gr75	41.7	0.18	17.0	8.99	6.70	0.38	20.9	4.31	0.03	1079	43.6	12.7	4.96
Udachnaya	gr76	41.7	0.08	21.1	3.91	7.73	0.45	19.4	6.04	0.02	480	18.1	10.4	4.62
Udachnaya	gr77	40.7	0.11	15.2	11.9	7.03	0.45	20.8	3.91	0.03	659	39.1	8.41	7.70
Udachnaya	gr78	41.9	0.17	17.0	9.44	7.18	0.40	21.8	3.06	0.06	1019	37.6	10.4	6.68
Udachnaya	gr79	42.3	0.07	16.2	10.9	7.09	0.41	22.8	1.89	0.02	420	48.1	10.2	8.06
Udachnaya	gr80	42.0	0.04	18.2	7.58	7.07	0.37	21.2	3.82	0.02	240	37.0	11.8	5.49
Udachnaya	gr81	41.9	0.90	20.1	3.14	9.49	0.34	20.2	4.95	0.07	5396	91.7	20.4	13.2
Udachnaya	gr82	42.1	0.00	17.3	9.01	7.25	0.42	22.2	2.23	0.05	0.06	35.5	10.9	4.76
Udachnaya	gr83	41.9	0.09	18.3	5.09	7.31	0.30	19.6	5.54	0.02	540	101	13.7	9.10
Udachnaya	gr84	41.8	0.22	16.5	8.42	6.91	0.27	20.2	6.36	0.01	1319	128	15.1	8.94
Udachnaya	gr85	41.6	0.17	17.8	8.13	7.82	0.45	19.9	4.90	0.03	1019	33.5	12.3	10.1
Udachnaya	gr86	41.4	0.16	15.5	11.5	7.03	0.46	22.1	2.55	0.07	959	41.8	12.1	7.67
Udachnaya	gr87	41.3	0.01	18.8	7.01	7.44	0.36	19.4	6.25	0.03	60.0	31.9	12.8	8.09
Udachnaya	gr88	41.1	1.42	14.9	8.40	8.24	0.33	19.1	6.67	0.10	8513	107	17.5	13.5
Udachnaya	gr89	41.6	0.55	19.8	5.00	7.39	0.41	20.5	5.05	0.07	3297	52.0	15.7	12.5
Udachnaya	gr90	41.5	1.26	14.7	9.26	7.66	0.38	19.1	6.74	0.09	7554	101	14.3	13.5
Udachnaya	gr91	41.5	0.01	14.7	12.2	6.31	0.35	23.6	0.92		60.0	52.8	11.3	4.88
Udachnaya	gr92	40.4	0.12	16.4	9.93	7.24	0.43	21.5	2.97	0.04	719	34.3	9.90	5.89
Udachnaya	gr93	42.1	0.06	20.0	5.65	7.63	0.43	20.7	4.00	0.02	360	16.8	8.87	3.16
Udachnaya	gr94	40.6	0.07	13.4	13.6	7.40	0.45	19.0	5.75	0.02	420	41.9	13.0	8.94
Udachnaya	gr95	42.6	0.00	17.0	9.26	7.62	0.38	23.0	1.28	0.01	0.06	38.7	10.8	4.69
Udachnaya	gr96	41.2	0.18	18.7	6.35	7.56	0.44	20.0	5.36	0.03	1079	39.2	11.0	11.1
Udachnaya	gr97	41.0	0.01	17.8	8.09	6.98	0.30	22.8	1.39		60.0	43.1	12.7	3.72
Udachnaya	gr98	42.1	0.15	14.9	12.2	6.82	0.38	22.1	2.51	0.07	899	41.0	13.4	6.13

Udachnaya	gr99	52.6	0.29	20.7	3.99	8.47	0.52	19.5	5.01	0.05	1739	22.2	13.1	10.9
Udachnaya	gr100	42.2	0.10	17.2	9.01	7.12	0.39	22.3	2.21	0.03	600	30.6	10.9	3.50
Udachnaya	gr101	43.1	0.24	19.6	5.91	6.79	0.30	21.4	4.29	0.05	1439	44.7	12.1	7.10
Udachnaya	gr102	41.9	0.06	17.9	8.13	7.16	0.40	20.9	4.42	0.04	360	39.3	12.0	8.78
Udachnaya	gr103	41.0	0.04	13.5	13.4	6.91	0.35	20.5	3.93		240	46.4	11.4	5.71
Udachnaya	gr104	41.2	0.20	20.5	4.27	7.61	0.43	19.7	5.01	0.05	1199	25.0	12.3	10.3
Udachnaya	gr105	42.3	0.33	20.7	4.03	7.70	0.35	20.6	4.96	0.06	1978	71.9	15.6	13.2
Udachnaya	gr106	42.1	0.42	19.6	4.50	7.56	0.30	20.8	5.40	0.04	2518	109	14.1	9.48
Udachnaya	gr107	43.0	0.92	20.7	2.57	7.96	0.29	21.1	4.66	0.10	5515	89.2	17.0	10.1
Udachnaya	gr108	41.6	0.20	16.3	9.40	6.65	0.40	20.2	5.12	0.06	1199	53.1	11.8	9.79
Udachnaya	gr109	43.2	0.44	21.4	2.81	6.88	0.35	21.5	4.15	0.09	2638	51.0	12.4	13.3
Udachnaya	gr110	41.2	0.08	16.7	8.49	7.52	0.41	17.9	6.70	0.04	480	28.9	9.86	9.14
Udachnaya	gr111	42.7	0.56	20.4	3.97	6.47	0.43	21.3	4.49	0.09	3357	62.3	10.6	13.1
Udachnaya	gr112	41.8	0.16	18.6	6.85	7.17	0.46	19.0	6.18	0.05	959	21.3	13.5	6.13
Udachnaya	gr113	41.4	0.15	15.3	10.9	6.79	0.40	21.4	2.91	0.03	899	45.0	12.3	7.92
Udachnaya	gr114	42.8	0.47	20.4	4.29	7.89	0.29	20.8	4.80	0.09	2818	63.2	15.4	11.8
Udachnaya	gr115	42.4	0.25	20.3	4.34	7.13	0.34	20.7	4.79	0.11	1499	55.9	12.3	8.57
Udachnaya	gr116	42.9	0.34	22.2	2.64	8.86	0.46	20.1	4.80	0.06	2038	20.1	12.5	12.4
Udachnaya	gr117	42.0	0.30	20.2	3.93	7.65	0.28	20.4	5.01	0.07	1799	65.8	13.2	11.8
Udachnaya	gr118	42.7	0.41	20.1	4.40	6.90	0.30	21.3	4.67	0.06	2458	72.1	13.0	13.0
Udachnaya	gr119	43.2	0.32	20.9	3.29	7.55	0.30	21.0	4.56	0.06	1918	80.2	13.8	11.7
Udachnaya	gr120	42.6	0.06	17.9	7.09	6.25	0.37	19.9	6.20	0.06	360	53.5	7.37	6.41
Udachnaya	gr121	42.8	0.36	21.2	3.04	7.37	0.36	20.7	4.80	0.03	2158	63.8	13.4	11.9
Udachnaya	gr122	42.8	0.20	20.1	5.21	7.48	0.45	20.1	5.01	0.06	1199	15.9	8.45	6.68
Udachnaya	gr123	42.7	0.12	19.2	5.59	7.01	0.32	20.6	5.13	0.04	719	48.0	11.4	8.31
Udachnaya	gr124	43.3	0.08	22.1	2.80	8.00	0.42	20.3	4.68	0.04	480	20.6	9.78	6.35
Udachnaya	gr125	42.8	0.35	21.8	2.49	7.80	0.40	19.9	4.68	0.07	2098	17.5	10.2	9.75
Udachnaya	gr126	42.9	0.10	21.8	3.04	7.81	0.36	20.0	4.64	0.05	600	20.5	8.58	5.51
Udachnaya	gr127	41.3	0.24	16.2	8.77	6.75	0.35	18.7	6.39	0.01	1439	71.1	13.5	9.81
Udachnaya	gr128	41.5	0.33	18.8	6.18	7.72	0.45	18.6	5.53	0.07	1978	23.0	10.9	8.98
Udachnaya	gr129	41.5	0.07	17.2	7.74	7.35	0.47	18.8	6.58	0.01	420	61.9	12.1	12.5
Udachnaya	gr130	42.6	0.07	16.7	9.41	6.57	0.39	21.3	3.80	0.03	420	71.5	12.3	7.75
Udachnaya	gr131	42.2	0.13	17.5	7.58	6.88	0.38	19.7	5.73	0.03	779	55.4	12.9	10.9
Udachnaya	gr132	42.7	0.26	20.6	3.75	7.60	0.34	20.6	4.83	0.05	1559	59.4	15.0	11.1
Udachnaya	gr133	41.5	0.13	16.5	9.00	7.05	0.37	19.1	6.56	0.02	779	68.5	14.7	11.0
Udachnaya	gr134	42.1	0.04	19.0	42.1	7.83	0.49	19.9	4.91		240	18.9	9.64	5.18

Udachnaya	gr135	43.0	0.94	19.8	2.80	8.49	0.29	20.8	4.86	0.08	5635	117	18.5	11.8
Udachnaya	gr136	42.1	0.30	20.7	3.88	7.79	0.36	19.9	5.04	0.06	1799	17.3	7.98	8.28
Udachnaya	gr137	42.8	0.35	22.5	1.92	8.17	0.39	20.5	4.66	0.05	2098	26.3	10.4	11.2
Udachnaya	gr138	42.8	0.17	21.7	3.58	8.40	0.40	20.1	4.83	0.06	1019	17.2	12.6	8.20
Udachnaya	gr139	41.5	0.18	17.3	8.52	7.09	0.38	19.8	5.98	0.07	1079	58.1	11.0	9.95
Udachnaya	gr140	42.7	0.39	21.3	2.69	7.39	0.27	21.5	4.46	0.06	2338	82.1	12.9	11.2
Udachnaya	gr141	41.6	0.00	19.4	6.39	8.06	0.43	19.5	5.48	0.02	0.06	25.7	9.74	6.19
Udachnaya	gr142	42.0	0.11	18.2	7.50	7.28	0.32	19.9	5.97	0.04	659	59.7	14.3	11.1
Udachnaya	gr144	42.4	0.08	19.6	5.89	7.45	0.42	20.6	4.56	0.05	480	23.9	10.8	6.29
Udachnaya	gr145	41.8	0.20	18.1	7.06	6.76	0.39	20.5	5.18	0.06	1199	49.5	10.7	10.6
Udachnaya	gr146	42.5	0.44	20.3	4.29	7.45	0.34	20.8	5.00	0.04	2638	61.1	12.9	12.9
Udachnaya	gr147	41.6	1.14	15.1	8.89	7.28	0.35	19.3	6.72	0.10	6834	105	13.0	14.6
Udachnaya	gr148	42.3	0.03	21.5	2.35	7.11	0.24	21.6	4.17		180	38.6	10.7	3.84
Udachnaya	gr149	41.3	0.00	15.2	10.2	6.76	0.34	20.4	4.95		0.60	38.4	9.33	6.05
Udachnaya	gr151	42.3	0.85	18.6	2.66	8.89	0.18	21.0	4.93	0.01	5096	83.3	17.5	14.6
Udachnaya	gr152	42.1	0.11	18.9	5.07	7.17	0.27	20.7	5.02		659	32.9	10.4	10.4
Udachnaya	gr153	42.8	0.00	19.6	5.65	6.94	0.24	23.4	2.03		0.60	43.3	11.5	6.26
Udachnaya	gr154	42.5	0.30	19.5	3.65	7.63	0.13	20.9	5.13		1799	72.1	13.5	13.8
Udachnaya	gr155	42.6	0.26	20.4	2.46	7.44	0.16	21.2	4.89		1559	87.1	15.1	12.7
Udachnaya	gr156	42.5	0.33	19.3	4.02	6.48	0.21	22.2	4.09		1978	53.3	11.0	11.4
Udachnaya	gr158	42.8	0.81	20.7	0.95	9.91	0.14	20.3	4.00		4856	62.9	19.2	14.3
Udachnaya	gr159	42.5	0.61	20.9	2.32	8.66	0.17	20.3	4.30	0.03	3657	105	16.3	13.9
Udachnaya	gr160	41.5	1.18	16.2	6.64	7.86	0.15	20.0	5.72	0.07	7074	102	13.9	15.6
Udachnaya	gr161	41.7	0.93	20.0	1.81	10.1	0.24	20.0	4.88	0.04	5575	62.5	21.0	17.2
Udachnaya	gr162	41.4	0.54	20.2	3.83	7.66	0.32	20.2	4.66	0.05	3237	75.9	14.6	12.3
Udachnaya	gr163	41.8	0.01	18.1	7.73	6.36	0.32	22.3	1.57	0.03	60.0	46.4	11.5	6.73
Udachnaya	gr164	38.1	0.11	21.8	0.02	25.5	0.02	7.93	5.94	0.04	659	3.58	72.8	11.1
Udachnaya	gr165	42.0	0.50	20.7	3.29	7.21	0.44	20.9	4.33	0.10	2998	55.8	11.1	13.7
Udachnaya	gr166	41.5	0.09	18.7	6.30	7.27	0.37	19.5	5.90	0.01	540	48.9	11.2	11.7
Udachnaya	gr167	41.6	0.01	19.4	6.27	7.14	0.41	20.5	5.01	0.03	60.0	32.8	8.60	4.29
Udachnaya	gr168	41.2	0.35	19.6	5.32	6.71	0.35	20.9	4.59	0.06	2098	59.3	12.2	10.6
Udachnaya	gr169	42.6	0.43	21.7	2.45	7.73	0.34	20.8	4.53	0.06	2578	65.2	13.6	12.9
Udachnaya	gr170	42.2	0.40	20.5	3.57	7.47	0.32	20.7	4.74	0.05	2398	66.2	14.7	10.5
Udachnaya	gr171	41.0	0.09	15.8	10.0	6.93	0.39	20.9	3.18	0.04	540	51.6	11.5	7.51
Udachnaya	gr172	41.6	0.34	19.1	6.00	7.92	0.45	19.1	5.64	0.06	2038	14.5	8.43	7.16
Udachnaya	gr173	42.3	0.46	21.7	2.66	7.62	0.28	20.7	4.46	0.03	2758	66.9	12.2	13.8

Udachnaya	gr174	41.2	0.02	18.2	7.09	7.01	0.40	19.4	5.95	0.01	120	44.7	13.1	4.76
Udachnaya	gr175	41.1	0.26	17.3	8.52	6.59	0.37	18.9	6.50	0.09	1559	31.9	9.33	9.25
Udachnaya	gr176	40.1	0.19	16.0	10.2	7.10	0.44	21.5	2.84	0.09	1139	36.0	11.1	5.05
Udachnaya	gr177	40.8	0.18	16.4	10.3	7.00	0.41	21.5	2.69	0.06	1079	44.2	13.1	8.57
Udachnaya	gr178	41.2	0.25	22.3	1.86	8.95	0.42	20.9	3.40	0.08	1499	26.8	14.8	9.53
Udachnaya	gr179	41.2	0.14	17.9	7.76	7.16	0.38	19.9	5.22	0.01	839	39.0	11.3	9.34
Udachnaya	gr180	40.8	0.42	20.0	4.19	7.59	0.32	20.5	5.08	0.03	2518	73.5	15.0	14.7
Udachnaya	gr181	40.8	0.33	20.7	3.03	7.37	0.30	20.5	5.18	0.04	1978	78.6	14.3	15.3
Udachnaya	gr182	41.3	0.46	21.4	3.21	7.20	0.34	21.5	4.17	0.10	2758	57.3	12.5	12.5
Udachnaya	gr183	40.5	0.08	20.5	4.13	6.97	0.42	20.8	4.40	0.01	480	46.0	10.4	8.05
Udachnaya	gr184	40.6	0.40	20.6	2.49	7.47	0.25	20.1	4.91	0.03	2398	75.7	11.9	15.3
Udachnaya	gr185	40.5	0.29	21.6	2.82	8.46	0.37	20.2	4.43	0.05	1739	17.8	9.81	10.6
Udachnaya	gr186	40.5	0.06	20.4	4.25	7.64	0.34	21.1	3.45	0.03	360	34.6	12.3	9.90
Udachnaya	gr187	40.9	0.33	20.7	3.15	7.99	0.31	20.5	4.96	0.05	1978	66.0	17.3	13.6
Udachnaya	gr188	40.7	0.00	18.7	7.19	7.01	0.36	22.6	1.60	0.02	0.06	37.2	12.9	4.24
Udachnaya	gr189	41.1	0.39	20.5	3.42	7.54	0.29	20.6	5.08	0.04	2338	73.9	13.6	13.3
Udachnaya	gr190	39.1	0.21	18.4	5.85	7.06	0.35	20.0	4.74	0.04	1259	51.1	11.1	10.1
Udachnaya	gr191	41.0	0.36	19.2	4.87	7.33	0.26	20.3	5.24	0.04	2158	80.3	13.5	13.4
Udachnaya	gr192	40.8	0.32	20.4	3.42	7.47	0.37	20.5	5.17	0.03	1918	82.4	14.8	13.9
Udachnaya	gr193	40.9	0.18	19.7	4.91	7.51	0.37	20.4	4.88	0.04	1079	69.2	14.0	12.4
Udachnaya	gr194	38.9	0.27	16.2	8.03	10.4	0.56	16.5	6.94	0.03	1619	36.1	15.5	9.48
Udachnaya	gr195	40.8	0.05	19.4	6.44	7.29	0.45	22.9	1.99		300	33.0	11.0	4.65
Udachnaya	gr196	40.0	0.30	19.9	4.24	7.27	0.38	20.8	4.13	0.07	1799	47.4	12.3	13.4
Udachnaya	gr197	40.0	0.01	19.8	5.04	7.09	0.37	21.1	3.71	0.04	60.0	36.2	10.6	5.31
Udachnaya	gr198	40.2	0.28	18.3	6.37	8.21	0.37	19.4	5.36	0.05	1679	70.9	20.7	11.6
Udachnaya	gr199	40.2	0.13	15.7	10.4	6.62	0.37	21.1	4.03	0.01	779	50.2	14.7	8.68
Udachnaya	gr200	41.0	0.50	19.8	4.64	6.93	0.35	19.3	7.05	0.06	2998	45.6	12.2	14.8
Udachnaya	gr201	40.3	0.06	18.6	6.21	7.13	0.27	20.1	5.51		360	65.6	13.3	9.48
Udachnaya	gr202	39.9	0.20	18.4	6.13	7.49	0.35	19.9	5.05	0.01	1199	51.8	12.8	11.1
Udachnaya	gr203	40.9	0.35	20.6	2.77	7.99	0.28	20.4	4.53	0.05	2098	76.6	19.2	14.7
Udachnaya	gr204	40.8	0.45	20.8	3.02	6.80	0.36	21.5	4.01	0.08	2698	61.9	12.5	12.8
Udachnaya	gr205	40.8	0.15	17.9	7.93	7.07	0.34	21.6	3.53	0.05	899	53.8	12.4	7.96
Udachnaya	gr206	42.5	0.09	21.7	3.03	6.92	0.37	21.2	4.19	0.03	540	46.0	10.7	8.46
Udachnaya	gr207	40.4	0.24	18.2	7.10	7.27	0.36	19.9	5.32	0.05	1439	37.1	11.2	10.5
Udachnaya	gr208	40.6	0.14	16.8	8.57	6.87	0.37	19.3	6.18	0.02	839	64.5	12.8	8.81
Udachnaya	gr209	42.0	0.09	19.7	5.86	7.14	0.36	21.0	4.26	0.01	540	28.6	10.8	7.46

Udachnaya	gr211	41.3	0.01	19.8	5.20	7.12	0.38	20.7	4.64		60.0	32.1	11.3	5.82
Udachnaya	gr212	41.7	0.27	21.6	2.84	7.29	0.36	20.8	4.07	0.07	1619	36.3	9.38	10.1
Udachnaya	gr213	41.6	0.04	20.0	4.66	7.52	0.33	20.5	5.01	0.01	240	69.9	13.1	8.94
Udachnaya	gr214	41.3	0.16	19.9	4.94	6.83	0.37	20.7	4.94	0.02	959	70.6	11.0	10.3
Udachnaya	gr215	41.3	0.00	16.7	9.81	6.95	0.43	22.6	1.95		0.06	35.4	10.8	5.94
Udachnaya	gr216	41.1	0.21	21.3	2.80	7.72	0.25	20.6	4.79	0.01	1259	63.4	12.0	10.3
Udachnaya	gr217	41.0	0.30	19.0	5.98	7.84	0.36	19.9	5.40	0.04	1799	68.5	15.8	11.8
Udachnaya	gr218	39.6	0.00	15.4	11.6	7.13	0.40	21.9	2.04	0.01	0.06	52.5	13.1	5.43
Udachnaya	gr219	40.6	0.01	17.9	8.14	7.10	0.39	21.7	2.60	0.02	60.0	36.2	8.96	3.65
Udachnaya	gr220	40.2	0.12	15.5	10.5	6.76	0.49	19.8	4.97	0.05	719	31.4	10.9	2.89
Udachnaya	gr221	41.0	0.03	16.5	10.3	7.46	0.35	22.0	2.31	0.03	180	41.3	12.0	6.02
Udachnaya	gr222	41.0	0.04	21.1	3.42	8.45	0.49	18.2	7.21		240	37.4	11.5	6.20
Udachnaya	gr223	41.0	0.03	16.6	9.87	7.36	0.42	20.2	4.67	0.02	180	31.9	12.0	5.78
Udachnaya	gr224	39.9	0.10	17.2	8.61	7.81	0.47	19.4	5.67	0.04	600	27.7	14.1	6.62
Udachnaya	gr225	41.4	0.15	22.2	2.39	7.83	0.43	20.3	4.65	0.02	899	19.9	10.5	9.15
Udachnaya	gr226	40.8	0.01	18.6	7.12	7.15	0.43	21.1	4.05	0.02	60.0	39.8	13.5	3.33
Udachnaya	gr227	41.2	0.12	19.6	5.09	9.04	0.38	18.4	4.90	0.02	719	29.0	14.0	11.0
Udachnaya	gr228	41.6	0.37	21.6	3.00	7.09	0.39	21.3	4.27	0.08	2218	40.1	12.4	10.3
Udachnaya	gr229	41.8	0.19	20.9	3.34	7.55	0.29	20.9	4.50	0.06	1139	62.6	13.2	10.2
Udachnaya	gr230	40.7	0.20	18.5	5.71	7.57	0.30	19.4	5.63	0.01	1199	69.0	15.9	9.82
Udachnaya	gr231	40.7	0.07	15.8	10.2	6.61	0.38	22.5	1.87	0.03	420	30.3	10.1	5.14
Udachnaya	gr232	40.9	0.00	17.8	8.05	7.47	0.40	18.9	6.05	0.01	0.06	22.5	12.8	8.09
Udachnaya	gr233	40.6	0.14	18.1	7.14	6.64	0.30	19.8	5.90	0.05	839	38.8	12.3	10.3
Udachnaya	gr234	40.8	0.17	20.2	4.71	6.82	0.38	20.4	4.85	0.04	1019	34.3	11.0	8.75
Udachnaya	gr235	40.7	0.06	16.3	10.1	6.72	0.40	21.5	2.49	0.02	360	29.1	8.24	5.93
Udachnaya	gr236	41.7	0.31	18.9	5.55	6.71	0.38	17.3	9.00	0.06	1858	42.8	10.7	14.3
Udachnaya	gr237	41.3	0.37	20.0	4.63	7.11	0.37	20.4	4.64	0.08	2218	43.0	15.0	13.5
Udachnaya	gr238	41.0	0.09	18.3	6.75	6.98	0.32	20.9	4.45	0.04	540	45.6	10.4	6.81
Udachnaya	gr239	41.4	0.10	19.4	5.21	7.44	0.36	20.2	5.39	0.03	600	68.6	13.4	11.4
Udachnaya	gr240	40.9	0.19	16.4	6.44	8.09	0.46	18.1	6.44	0.08	1139	35.8	10.2	13.4
Udachnaya	gr241	40.7	0.00	19.1	6.24	7.14	0.34	21.5	3.10	0.07	0.06	34.9	12.3	6.51
Udachnaya	gr242	41.3	0.30	18.0	7.14	7.18	0.33	19.8	5.81		1799	68.6	11.3	11.2
Udachnaya	gr243	40.5	0.12	14.7	11.7	6.39	0.38	20.2	4.69	0.02	719	53.7	11.9	7.85
Udachnaya	gr244	41.4	0.00	17.2	8.55	6.88	0.44	22.6	1.63	0.01	0.06	43.1	11.3	5.57
Udachnaya	gr245	40.4	0.49	15.0	9.98	7.33	0.28	18.6	7.11	0.06	2938	84.5	16.4	10.7
Udachnaya	gr246	41.0	0.02	16.9	8.90	6.77	0.44	21.1	3.11	0.06	120	41.8	12.0	6.32

Udachnaya	gr247	41.5	0.10	19.4	6.09	7.20	0.42	20.7	4.48	0.05	600	32.5	10.4	7.02
Udachnaya	gr248	42.0	0.47	20.3	3.99	7.09	0.31	20.8	4.72	0.03	2818	65.6	14.0	12.1
Udachnaya	gr249	41.2	0.03	17.5	8.67	7.19	0.42	21.7	2.86	0.01	180	28.9	11.6	4.11
Udachnaya	gr250	41.1	0.15	18.8	6.76	7.74	0.45	19.2	5.37	0.04	899	16.5	8.83	8.10
Udachnaya	gr251	40.4	0.27	16.0	9.89	7.31	0.36	19.4	5.21	0.07	1619	33.5	13.2	8.04
Udachnaya	gr252	41.8	0.20	19.8	4.09	7.92	0.42	20.5	5.05	0.02	1199	21.6	10.7	11.2
Udachnaya	gr253	41.7	0.07	19.6	4.32	9.47	0.46	19.9	4.52	0.04	420	27.9	18.8	6.10
Udachnaya	gr254	41.2	0.84	18.2	4.37	8.00	0.33	20.7	5.64	0.05	5036	81.3	12.9	14.9
Udachnaya	gr255	42.2	0.48	19.9	3.83	6.72	0.32	22.5	4.39	0.07	2878	56.1	11.9	12.9
Udachnaya	gr256	41.8	0.33	18.8	5.62	6.62	0.34	21.8	5.00	0.07	1978	59.6	11.8	10.7
Udachnaya	gr257	42.1	0.14	21.0	2.77	7.60	0.43	21.1	4.65	0.03	839	19.5	8.07	5.23
Udachnaya	gr258	42.2	0.31	20.6	3.04	8.33	0.46	20.6	4.65	0.05	1858	15.2	9.25	12.1
Udachnaya	gr259	41.6	0.09	20.8	2.27	6.63	0.31	22.1	4.22	0.02	540	33.7	8.86	6.36
Udachnaya	gr260	41.6	0.05	16.2	9.63	7.13	0.43	23.3	2.05	0.01	300	35.7	9.31	5.33
Udachnaya	gr261	42.6	0.42	19.7	3.59	6.98	0.37	22.4	4.24	0.07	2518	55.8	14.6	13.3
Udachnaya	gr262	42.4	0.13	18.6	5.63	6.63	0.39	22.7	3.39	0.02	779	52.2	8.26	6.49
Udachnaya	gr263	40.2	0.10	14.5	10.2	6.50	0.35	18.8	7.22	0.01	600	57.2	11.0	7.32
Udachnaya	gr264	42.2	0.43	19.5	3.77	7.00	0.31	21.9	4.64	0.08	2578	58.7	12.4	11.9
Udachnaya	gr265	41.2	0.13	16.5	8.03	6.56	0.31	21.5	4.76	0.02	779	65.6	11.8	8.28
Udachnaya	gr266	41.1	1.10	16.0	7.26	7.53	0.29	20.5	6.19	0.01	6595	98.0	13.8	9.71
Udachnaya	gr267	41.7	0.08	16.0	9.56	6.41	0.29	23.1	3.02	0.01	480	66.1	12.6	6.96
Udachnaya	gr268	42.5	0.07	19.3	4.50	7.57	0.30	21.4	5.14	0.03	420	69.3	12.0	12.0
Udachnaya	gr269	41.8	0.25	20.9	2.19	8.01	0.37	20.6	4.42	0.07	1499	23.2	9.22	12.3
Udachnaya	gr270	41.9	0.27	19.3	4.73	8.14	0.49	20.2	5.41	0.06	1619	25.9	9.86	10.2
Udachnaya	gr271	41.4	0.44	18.7	4.89	6.63	0.35	21.5	4.56	0.06	2638	53.6	9.62	12.5
Udachnaya	gr272	41.5	0.95	17.9	4.47	7.44	0.39	20.3	6.01	0.09	5695	52.5	13.3	16.9
Udachnaya	gr273	42.1	0.74	18.3	4.31	7.40	0.34	21.0	5.46	0.05	4436	94.7	12.5	11.9
Udachnaya	gr274	41.6	0.24	15.6	8.82	6.68	0.45	20.1	5.82	0.04	1439	53.9	10.1	9.83
Udachnaya	gr275	41.4	0.05	16.2	8.91	7.03	0.48	20.7	5.51		300	52.6	13.8	6.85
Udachnaya	gr276	41.1	0.21	18.8	4.84	7.77	0.48	23.9	5.48	0.04	1259	16.3	6.51	7.09
Udachnaya	gr277	41.9	0.03	17.0	8.13	6.90	0.42	23.9	1.02		180	41.1	10.6	5.32
Udachnaya	gr278	40.9	0.07	15.8	9.42	6.75	0.38	22.4	2.78	0.04	420	37.8	11.3	5.85
Udachnaya	gr279	40.9	0.40	16.9	6.97	7.06	0.39	20.4	5.73	0.05	2398	56.5	10.2	10.0
Udachnaya	gr280	41.5	0.17	15.9	9.16	6.46	0.30	22.9	2.85	0.02	1019	54.1	10.8	5.74
Udachnaya	gr281	41.4	0.20	18.7	5.50	8.06	0.40	20.0	5.59	0.06	1199	16.0	10.1	7.94
Udachnaya	gr282	41.9	0.51	19.7	3.39	7.02	0.29	22.0	4.15	0.07	3057	60.1	10.1	11.8

Udachnaya	gr283	41.8	0.23	19.4	4.50	7.96	0.42	20.3	5.18	0.04	1379	20.8	10.4	11.3
Udachnaya	gr284	41.6	0.08	17.8	6.74	7.15	0.35	20.7	5.64	0.01	480	46.4	8.87	11.3
Udachnaya	gr285	40.2	0.04	17.4	7.54	7.56	0.38	19.8	6.03	0.01	240	29.3	12.2	5.65
Udachnaya	gr286	40.2	0.01	17.2	7.23	7.41	0.42	19.6	5.99		60.0	29.3	11.0	5.97
Udachnaya	gr287	42.4	0.23	20.5	3.31	8.53	0.48	20.5	4.69	0.06	1379	18.0	9.76	11.2
Udachnaya	gr288	41.7	0.14	19.1	5.02	7.48	0.45	20.5	4.85	0.06	839	13.6	9.27	6.23
Udachnaya	gr289	41.9	0.27	19.4	4.64	7.97	0.38	20.4	5.26	0.05	1619	22.8	10.3	9.61
Udachnaya	gr290	41.4	0.27	17.0	6.72	7.25	0.40	20.1	5.75	0.02	1619	63.1	11.8	10.7
Udachnaya	gr291	41.7	0.51	18.8	4.17	7.52	0.35	20.9	5.04	0.04	3057	63.4	11.6	10.8
Udachnaya	gr292	41.9	0.33	18.4	5.38	7.07	0.34	21.0	5.17	0.05	1978	67.8	11.5	13.1
Udachnaya	gr293	41.5	0.14	16.1	8.79	7.36	0.40	21.1	4.90	0.04	839	61.8	11.1	7.32
Udachnaya	gr294	41.4	0.03	18.1	6.29	7.13	0.39	19.3	6.60		180	18.7	8.89	5.00
Udachnaya	gr295	42.2	0.26	19.6	3.63	7.19	0.36	21.2	4.85	0.04	1559	61.7	10.7	10.9
Udachnaya	gr296	40.9	0.14	18.0	7.01	6.63	0.38	20.5	4.56	0.04	839	63.6	10.3	8.56
Udachnaya	gr297	40.9	0.12	19.3	5.45	7.09	0.38	18.7	6.92	0.04	719	33.8	9.98	11.8
Udachnaya	gr298	41.4	0.26	20.2	3.71	7.47	0.35	20.5	4.97	0.04	1559	81.2	17.3	12.3
Udachnaya	gr299	41.9	0.44	20.0	4.12	6.98	0.32	21.1	4.37	0.08	2638	57.3	11.4	11.1
Udachnaya	gr300	41.1	0.19	19.6	5.34	8.02	0.45	18.9	5.62	0.04	1139	11.0	290	7.84
Udachnaya	gr301	40.7	1.13	19.4	3.12	8.74	0.37	20.2	4.92	0.09	6774	85.0	14.5	15.7
Udachnaya	gr302	42.0	0.14	20.2	3.96	7.69	0.33	20.4	4.90		839	68.1	12.8	9.35
Udachnaya	gr303	40.6	0.10	19.6	5.09	8.16	0.43	19.0	5.36	0.02	600	20.4	12.1	6.70
Udachnaya	gr304	41.4	0.06	19.2	5.29	7.22	0.28	20.2	5.47		360	79.9	13.3	9.54
Udachnaya	gr305	40.7	0.03	20.5	4.63	7.65	0.45	18.8	6.13		180	14.3	10.8	3.45
Udachnaya	gr306	41.2	0.29	18.3	6.12	7.05	0.39	19.7	5.78	0.04	1739	80.7	14.4	10.7
Udachnaya	gr307	40.5	0.19	19.4	5.67	7.47	0.47	18.7	5.67	0.03	1139	10.4	10.0	7.56
Udachnaya	gr308	41.8	0.09	21.8	2.29	7.64	0.42	21.2	4.25	0.03	540	44.4	9.28	8.46
Udachnaya	gr309	40.9	0.02	18.3	7.71	7.11	0.40	22.1	2.08	0.01	120	35.6	9.95	7.94
Udachnaya	gr310	40.6	0.13	17.3	8.00	7.82	0.43	18.3	6.22	0.04	779	26.6	13.3	8.74
Udachnaya	gr311	40.8	0.07	18.2	7.26	7.11	0.40	19.9	5.11	0.02	420	35.8	11.4	6.39
Udachnaya	gr312	41.4	0.40	20.7	3.66	8.11	0.35	20.5	4.76	0.03	2398	66.1	14.1	13.9
Udachnaya	gr313	41.6	0.08	18.9	6.11	6.91	0.35	21.0	4.33	0.02	480	67.5	12.7	7.90
Udachnaya	gr314	41.0	0.32	20.7	3.44	6.76	0.26	22.1	3.49	0.03	1918	64.6	14.5	5.76
Udachnaya	gr315	41.0	0.24	18.9	5.44	6.96	0.39	20.0	5.44	0.04	1439	52.5	11.2	9.61
Udachnaya	gr316	41.1	0.27	18.9	5.64	6.78	0.33	20.9	4.82	0.04	1619	63.9	11.5	10.4
Udachnaya	gr317	40.5	0.12	16.9	8.69	7.40	0.44	19.0	5.78	0.04	719	36.1	10.2	5.16
Udachnaya	gr318	42.1	0.19	22.1	2.54	9.27	0.41	19.6	4.71	0.04	1139	19.4	11.5	9.95

Udachnaya	gr319	41.3	0.02	14.6	12.2	7.12	0.45	21.0	3.60	0.01	120	42.5	12.1	4.28
Udachnaya	gr320	41.7	0.73	18.5	5.99	6.76	0.35	20.5	5.58	0.06	4376	69.3	11.8	9.33
Udachnaya	gr321	42.1	0.47	19.5	4.98	7.36	0.39	19.7	5.29	0.09	2818	40.5	11.1	10.3
Udachnaya	gr322	42.2	0.23	17.9	6.86	7.23	0.36	20.0	5.91	0.04	1379	91.3	14.6	11.2
Udachnaya	gr323	40.6	0.27	13.7	12.5	7.00	0.47	20.0	4.63	0.05	1619	43.8	13.0	5.76
Udachnaya	gr324	41.4	1.10	16.3	7.38	8.27	0.41	19.3	6.33	0.07	6595	105	13.9	16.6
Udachnaya	gr325	42.7	0.02	21.4	4.08	6.90	0.30	22.9	2.37	0.04	120	39.8	10.2	5.37
Udachnaya	gr326	41.7	0.18	17.0	8.99	6.70	0.38	20.9	4.31	0.03	1079	43.6	12.7	4.96
Udachnaya	gr327	41.7	0.08	21.1	3.91	7.73	0.45	19.4	6.04	0.02	480	18.1	10.4	4.62
Udachnaya	gr328	40.7	0.11	15.2	11.9	7.03	0.45	20.8	3.91	0.03	659	39.1	8.41	7.70
Udachnaya	gr329	41.9	0.17	17.0	9.44	7.18	0.40	21.8	3.06	0.06	1019	37.6	10.4	6.68
Udachnaya	gr330	42.3	0.07	16.2	10.9	7.09	0.41	22.8	1.89	0.02	420	48.1	10.2	8.06
Udachnaya	gr331	42.0	0.04	18.2	7.58	7.07	0.37	21.2	3.82	0.02	240	37.0	11.8	5.49
Udachnaya	gr332	41.9	0.90	20.1	3.14	9.49	0.34	20.2	4.95	0.07	5396	91.7	20.4	13.2
Udachnaya	gr333	42.1	0.00	17.3	9.01	7.25	0.42	22.2	2.23	0.05	0.06	35.5	10.9	4.76
Udachnaya	gr334	41.9	0.09	18.3	5.09	7.31	0.30	19.6	5.54	0.02	540	101	13.7	9.10
Udachnaya	gr335	41.8	0.22	16.5	8.42	6.91	0.27	20.2	6.36	0.01	1319	128	15.1	8.94
Udachnaya	gr336	41.6	0.17	17.8	8.13	7.82	0.45	19.9	4.90	0.03	1019	33.5	12.3	10.1
Udachnaya	gr337	41.4	0.16	15.5	11.5	7.03	0.46	22.1	2.55	0.07	959	41.8	12.1	7.67
Udachnaya	gr338	41.3	0.01	18.8	7.01	7.44	0.36	19.4	6.25	0.03	60.0	31.9	12.8	8.09
Udachnaya	gr339	41.1	1.42	14.9	8.40	8.24	0.33	19.1	6.67	0.10	8513	107	17.5	13.5
Udachnaya	gr340	41.6	0.55	19.8	5.00	7.39	0.41	20.5	5.05	0.07	3297	52.0	15.7	12.5
Udachnaya	gr341	41.5	1.26	14.7	9.26	7.66	0.38	19.1	6.74	0.09	7554	101	14.3	13.5
Udachnaya	gr342	41.5	0.01	14.7	12.2	6.31	0.35	23.6	0.92		60.0	52.8	11.3	4.88
Udachnaya	gr343	40.4	0.12	16.4	9.93	7.24	0.43	21.5	2.97	0.04	719	34.3	9.90	5.89
Udachnaya	gr344	42.1	0.06	20.0	5.65	7.63	0.43	20.7	4.00	0.02	360	16.8	8.87	3.16
Udachnaya	gr345	40.6	0.07	13.4	13.6	7.40	0.45	19.0	5.75	0.02	420	41.9	13.0	8.94
Udachnaya	gr346	42.6	0.00	17.0	9.26	7.62	0.38	23.0	1.28	0.01	0.06	38.7	10.8	4.69
Udachnaya	gr347	41.2	0.18	18.7	6.35	7.56	0.44	20.0	5.36	0.03	1079	39.2	11.0	11.1
Udachnaya	gr348	41.0	0.01	17.8	8.09	6.98	0.30	22.8	1.39		60.0	43.1	12.7	3.72
Udachnaya	gr349	42.1	0.15	14.9	12.2	6.82	0.38	22.1	2.51	0.07	899	41.0	13.4	6.13
Udachnaya	gr350	52.6	0.29	20.7	3.99	8.47	0.52	19.5	5.01	0.05	1739	22.2	13.1	10.9
Udachnaya	gr351	42.2	0.10	17.2	9.01	7.12	0.39	22.3	2.21	0.03	600	30.6	10.9	3.50
Udachnaya	gr352	43.1	0.24	19.6	5.91	6.79	0.30	21.4	4.29	0.05	1439	44.7	12.1	7.10
Udachnaya	gr353	41.9	0.06	17.9	8.13	7.16	0.40	20.9	4.42	0.04	360	39.3	12.0	8.78
Udachnaya	gr354	41.0	0.04	13.5	13.4	6.91	0.35	20.5	3.93		240	46.4	11.4	5.71

Udachnaya	gr355	41.2	0.20	20.5	4.27	7.61	0.43	19.7	5.01	0.05	1199	25.0	12.3	10.3
Udachnaya	gr356	42.3	0.33	20.7	4.03	7.70	0.35	20.6	4.96	0.06	1978	71.9	15.6	13.2
Udachnaya	gr357	42.1	0.42	19.6	4.50	7.56	0.30	20.8	5.40	0.04	2518	109	14.1	9.48
Udachnaya	gr358	43.0	0.92	20.7	2.57	7.96	0.29	21.1	4.66	0.10	5515	89.2	17.0	10.1
Udachnaya	gr359	41.6	0.20	16.3	9.40	6.65	0.40	20.2	5.12	0.06	1199	53.1	11.8	9.79
Udachnaya	gr360	43.2	0.44	21.4	2.81	6.88	0.35	21.5	4.15	0.09	2638	51.0	12.4	13.3
Udachnaya	gr361	41.2	0.08	16.7	8.49	7.52	0.41	17.9	6.70	0.04	480	28.9	9.86	9.14
Udachnaya	gr362	42.7	0.56	20.4	3.97	6.47	0.43	21.3	4.49	0.09	3357	62.3	10.6	13.1
Udachnaya	gr363	41.8	0.16	18.6	6.85	7.17	0.46	19.0	6.18	0.05	959	21.3	13.5	6.13
Udachnaya	gr364	41.4	0.15	15.3	10.9	6.79	0.40	21.4	2.91	0.03	899	45.0	12.3	7.92
Udachnaya	gr365	42.8	0.47	20.4	4.29	7.89	0.29	20.8	4.80	0.09	2818	63.2	15.4	11.8
Udachnaya	gr366	42.4	0.25	20.3	4.34	7.13	0.34	20.7	4.79	0.11	1499	55.9	12.3	8.57
Udachnaya	gr367	42.9	0.34	22.2	2.64	8.86	0.46	20.1	4.80	0.06	2038	20.1	12.5	12.4
Udachnaya	gr368	42.0	0.30	20.2	3.93	7.65	0.28	20.4	5.01	0.07	1799	65.8	13.2	11.8
Udachnaya	gr369	42.7	0.41	20.1	4.40	6.90	0.30	21.3	4.67	0.06	2458	72.1	13.0	13.0
Udachnaya	gr370	43.2	0.32	20.9	3.29	7.55	0.30	21.0	4.56	0.06	1918	80.2	13.8	11.7
Udachnaya	gr371	42.6	0.06	17.9	7.09	6.25	0.37	19.9	6.20	0.06	360	53.5	7.37	6.41
Udachnaya	gr372	42.8	0.36	21.2	3.04	7.37	0.36	20.7	4.80	0.03	2158	63.8	13.4	11.9
Udachnaya	gr373	42.8	0.20	20.1	5.21	7.48	0.45	20.1	5.01	0.06	1199	15.9	8.45	6.68
Udachnaya	gr374	42.7	0.12	19.2	5.59	7.01	0.32	20.6	5.13	0.04	719	48.0	11.4	8.31
Udachnaya	gr375	43.3	0.08	22.1	2.80	8.00	0.42	20.3	4.68	0.04	480	20.6	9.78	6.35
Udachnaya	gr376	42.8	0.35	21.8	2.49	7.80	0.40	19.9	4.68	0.07	2098	17.5	10.2	9.75
Udachnaya	gr377	42.9	0.10	21.8	3.04	7.81	0.36	20.0	4.64	0.05	600	20.5	8.58	5.51
Udachnaya	gr378	41.3	0.24	16.2	8.77	6.75	0.35	18.7	6.39	0.01	1439	71.1	13.5	9.81
Udachnaya	gr379	41.5	0.33	18.8	6.18	7.72	0.45	18.6	5.53	0.07	1978	23.0	10.9	8.98
Udachnaya	gr380	41.5	0.07	17.2	7.74	7.35	0.47	18.8	6.58	0.01	420	61.9	12.1	12.5
Udachnaya	gr381	42.6	0.07	16.7	9.41	6.57	0.39	21.3	3.80	0.03	420	71.5	12.3	7.75
Udachnaya	gr382	42.2	0.13	17.5	7.58	6.88	0.38	19.7	5.73	0.03	779	55.4	12.9	10.9
Udachnaya	gr383	42.7	0.26	20.6	3.75	7.60	0.34	20.6	4.83	0.05	1559	59.4	15.0	11.1
Udachnaya	gr384	41.5	0.13	16.5	9.00	7.05	0.37	19.1	6.56	0.02	779	68.5	14.7	11.0
Udachnaya	gr385	42.1	0.04	19.0	42.1	7.83	0.49	19.9	4.91		240	18.9	9.64	5.18
Udachnaya	gr386	43.0	0.94	19.8	2.80	8.49	0.29	20.8	4.86	0.08	5635	117	18.5	11.8
Udachnaya	gr387	42.1	0.30	20.7	3.88	7.79	0.36	19.9	5.04	0.06	1799	17.3	7.98	8.28
Udachnaya	gr388	42.8	0.35	22.5	1.92	8.17	0.39	20.5	4.66	0.05	2098	26.3	10.4	11.2
Udachnaya	gr389	42.8	0.17	21.7	3.58	8.40	0.40	20.1	4.83	0.06	1019	17.2	12.6	8.20
Dalnaya-bre	gr390	41.5	0.23	19.6	3.20	7.31	0.32	21.2	4.56	0.03	1379	58.9	15.9	9.29

Dalnaya-bregr391	41.5	0.32	18.7	4.60	7.45	0.29	21.1	5.06	0.03	1918	71.5	18.1	11.4
Dalnaya-bregr392	41.9	0.05	19.7	4.75	7.89	0.42	19.9	5.90	0.01	300	10.5	15.2	3.77
Dalnaya-bregr393	40.8	0.88	17.1	5.69	6.66	0.40	20.3	5.89	0.07	5276	54.7	15.0	10.5
Dalnaya-bregr394	41.2	0.37	17.7	5.80	6.73	0.32	21.3	5.80	0.04	2218	55.5	14.9	5.27
Dalnaya-bregr395	41.7	0.77	19.1	3.40	7.98	0.29	21.4	4.82	0.08	4616	78.6	16.3	10.2
Dalnaya-bregr396	41.1	0.82	15.9	7.24	7.08	0.34	20.6	5.94	0.06	4916	98.0	17.3	8.45
Dalnaya-bregr397	39.5	1.01	10.9	13.0	7.43	0.36	17.7	8.62	0.05	6055	94.3	21.9	15.8
Dalnaya-bregr398	41.0	0.31	19.3	4.54	8.67	0.42	19.8	5.05	0.03	1858	17.0	13.2	11.4
Dalnaya-bregr399	41.0	0.52	19.6	3.49	7.64	0.40	20.9	4.96	0.05	3117	53.8	18.6	11.2
Dalnaya-bregr400	40.0	0.61	17.3	5.87	8.79	0.36	19.5	5.26	0.07	3657	57.4	22.5	7.90
Dalnaya-bregr401	40.6	0.16	17.4	6.19	7.93	0.39	20.2	5.54	0.03	959	70.7	22.2	9.43
Dalnaya-bregr402	40.9	0.34	18.4	4.07	8.48	0.34	20.4	4.76	0.03	2038	58.0	23.0	11.3
Dalnaya-bregr403	42.5	0.24	19.6	4.31	6.60	0.28	22.0	4.63	0.07	1439	52.4	12.2	6.49
Dalnaya-bregr404	40.8	1.30	15.3	6.57	8.20	0.33	19.8	5.92	0.09	7794	92.6	20.9	16.2
Dalnaya-bregr405	41.4	0.34	16.3	8.17	6.62	0.41	21.2	5.43	0.04	2038	61.2	18.5	6.98
Dalnaya-bregr406	41.8	0.22	19.7	3.52	7.30	0.33	21.3	4.75	0.04	1319	79.0	14.1	13.3
Dalnaya-bregr407	40.7	0.15	17.7	6.70	8.39	0.51	19.3	5.76	0.02	899	17.6	18.2	5.89
Dalnaya-bregr408	42.6	0.31	20.1	3.31	7.45	0.31	21.9	4.90	0.04	1858	92.3	19.6	12.3
Dalnaya-bregr409	41.1	0.00	17.4	7.50	7.26	0.40	20.1	5.74		0.60	26.1	15.7	6.54
Dalnaya-bregr410	42.0	0.01	19.7	5.01	7.81	0.52	19.8	5.92		60.0	8.06	14.2	3.13
Dalnaya-bregr411	41.0	0.88	14.5	8.93	7.48	0.29	19.9	6.55	0.07	5276	108	23.1	11.8
Dalnaya-bregr412	41.0	0.00	16.9	8.03	7.43	0.43	19.9	5.69		0.60	29.3	19.9	6.08
Dalnaya-bregr413	41.5	0.00	19.7	2.98	7.18	0.34	22.0	4.32	0.06	0.60	53.3	14.5	13.9
Dalnaya-bregr414	41.6	0.12	19.5	3.69	7.23	0.33	21.0	4.88	0.03	719	70.6	21.1	10.8
Dalnaya-bregr415	42.5	0.38	20.7	2.47	6.59	0.34	22.2	4.15	0.08	2278	64.1	14.8	10.9
Dalnaya-bregr416	41.6	0.76	17.5	5.38	7.09	0.32	21.3	5.40	0.07	4556	104	17.9	10.9
Dalnaya-bregr417	41.9	0.39	18.0	5.89	7.95	0.36	20.5	5.46	0.03	2338	57.2	19.9	7.66
Dalnaya-bregr418	40.8	1.15	15.3	7.52	7.11	0.38	20.5	6.05	0.06	6894	113	25.7	14.9
Dalnaya-bregr419	41.1	0.84	16.3	7.12	6.93	0.33	20.3	6.02	0.07	5036	70.8	16.4	8.26
Dalnaya-bregr420	41.9	0.30	18.8	4.35	8.31	0.32	20.7	5.14	0.05	1799	67.8	23.2	13.7
Dalnaya-bregr421	42.0	0.17	18.6	5.97	6.66	0.37	21.4	5.07	0.02	1019	48.9	13.2	6.48
Dalnaya-bregr422	41.8	0.10	17.4	6.47	6.93	0.31	21.0	5.27	0.03	600	52.5	15.0	6.86
Dalnaya-bregr423	41.5	1.00	15.4	7.90	7.56	0.34	20.2	6.21	0.06	5995	103	17.5	13.6
Dalnaya-bregr424	42.2	1.07	18.7	3.09	9.28	0.37	20.4	5.28	0.09	6415	95.3	40.3	13.9
Dalnaya-bregr425	41.5	0.32	17.9	6.13	7.29	0.35	21.4	4.46	0.06	1918	46.0	17.4	9.90
Dalnaya-bregr426	41.4	0.82	16.5	6.80	7.14	0.35	20.9	5.78	0.05	4916	95.7	18.5	10.2

Dalnaya-bregr427	41.1	0.10	15.5	8.60	6.83	0.35	19.5	6.93	0.02	600	67.4	15.5	8.53
Dalnaya-bregr428	42.8	0.35	21.0	2.61	7.00	0.28	22.8	4.25	0.05	2098	73.0	14.5	10.7
Dalnaya-bregr429	41.7	0.93	18.8	3.83	8.02	0.30	21.3	5.09	0.08	5575	84.7	19.0	13.2
Dalnaya-bregr430	42.0	0.74	19.0	3.80	8.28	0.27	21.1	5.13	0.07	4436	64.6	17.9	4.29
Dalnaya-bregr431	41.8	0.62	17.1	6.75	6.60	0.35	21.2	5.00	0.08	3717	55.5	13.8	7.85
Dalnaya-bregr432	41.7	0.58	17.3	6.87	6.65	0.34	21.4	5.08	0.08	3477	60.4	17.7	8.61
Dalnaya-bregr433	41.5	0.00	16.9	7.64	7.14	0.44	19.7	5.79	0.03	0.60	25.6	13.8	5.23
Dalnaya-bregr434	41.6	0.21	19.4	4.31	7.79	0.35	20.4	5.20	0.03	1259	29.1	13.7	8.28
Dalnaya-bregr435	42.0	0.78	18.0	5.20	6.81	0.34	21.4	5.13	0.06	4676	62.7	17.2	11.8
Dalnaya-bregr436	42.8	0.30	19.6	4.29	7.06	0.36	20.8	4.99	0.07	1799	77.2	18.0	9.78
Dalnaya-bregr437	41.8	1.03	16.5	6.40	7.57	0.36	20.8	6.04	0.06	6175	91.6	19.4	12.8
Dalnaya-bregr438	42.1	0.30	16.4	6.80	6.81	0.26	20.6	5.76	0.04	1799	90.7	20.9	9.26
Dalnaya-bregr439	41.4	1.24	15.4	7.55	8.12	0.31	19.9	6.57	0.06	7434	93.1	19.4	14.2
Dalnaya-bregr440	42.3	0.69	19.5	3.28	6.95	0.32	21.5	4.76	0.07	4137	65.4	17.4	10.8
Dalnaya-bregr441	43.1	0.57	21.3	1.74	8.80	0.36	21.7	4.33	0.07	3417	50.5	24.3	13.5
Dalnaya-bregr442	42.6	0.44	19.7	3.97	7.48	0.31	22.0	4.27	0.04	2638	62.7	19.7	8.48
Dalnaya-bregr443	40.9	0.62	14.6	9.95	6.67	0.31	20.0	6.03	0.05	3717	78.4	17.2	9.01
Dalnaya-bregr444	42.6	0.21	19.4	3.96	7.33	0.30	21.8	5.16	0.01	1259	64.7	19.4	8.28
Dalnaya-bregr445	40.8	0.67	14.5	10.2	6.86	0.44	20.2	6.16	0.06	4017	66.7	18.6	8.48
Dalnaya-bregr446	41.6	0.58	16.7	6.88	6.41	0.29	20.8	5.51	0.05	3477	17.2	11.6	7.22
Dalnaya-bregr447	40.4	0.35	17.4	6.49	7.83	0.52	18.8	6.30	0.08	2098	81.6	21.0	13.5
Dalnaya-magr448	41.6	0.54	16.8	7.09	6.82	0.31	20.9	5.71	0.08	3237	61.2	9.73	6.60
Dalnaya-magr449	42.3	0.21	17.7	6.88	6.67	0.33	21.4	5.30	0.01	1259	65.6	12.3	9.49
Dalnaya-magr450	41.0	1.01	16.5	6.48	7.73	0.42	19.6	6.53	0.07	6055	67.6	13.7	19.1
Dalnaya-magr451	42.1	0.21	18.4	5.91	6.69	0.31	21.5	4.97	0.05	1259	50.9	12.1	11.7
Dalnaya-magr452	41.1	0.09	13.0	13.3	6.22	0.35	22.8	2.82	0.06	540	52.2	15.3	8.55
Dalnaya-magr453	42.2	0.71	18.3	4.87	7.42	0.36	20.9	5.97	0.06	4256	63.2	11.8	12.2
Dalnaya-magr454	41.1	0.93	16.3	7.07	9.22	0.39	19.2	5.96	0.10	5575	34.9	17.0	11.8
Dalnaya-magr455	42.7	0.06	20.6	3.53	6.02	0.36	21.2	6.13		360	47.2	9.06	2.65
Dalnaya-magr456	41.9	1.02	16.8	6.14	7.71	0.35	19.9	6.66	0.08	6115	72.3	13.4	15.3
Dalnaya-magr457	41.2	0.87	16.8	6.34	6.92	0.34	21.0	5.73	0.08	5216	60.3	12.9	14.5
Dalnaya-magr458	42.0	0.91	16.9	6.35	6.87	0.38	20.9	5.55	0.07	5455	78.5	16.1	11.9
Dalnaya-magr459	41.5	0.86	17.2	5.83	6.88	0.34	20.5	6.23	0.04	5156	57.3	9.54	13.2
Dalnaya-magr460	41.9	0.29	19.8	3.28	7.44	0.26	21.6	4.61	0.04	1739	84.1	11.8	9.95
Dalnaya-magr461	42.2	0.04	17.8	6.78	6.39	0.32	23.5	2.25	0.03	240	49.9	9.08	4.69
Dalnaya-magr462	42.5	0.32	19.5	4.14	8.48	0.54	19.9	5.43	0.04	1918	18.2	9.98	11.3

Dalnaya-ma gr463	42.0	0.28	17.7	6.97	6.01	0.24	22.1	4.69	0.08	1679	59.2	12.2	10.6
Dalnaya-ma gr464	42.5	0.31	19.5	3.64	7.58	0.35	21.5	5.03	0.04	1858	71.8	13.0	8.36
Dalnaya-ma gr465	43.3	0.05	18.8	6.03	6.30	0.34	23.2	3.49	0.04	300	58.2	11.8	5.06
Dalnaya-ma gr466	42.9	0.02	21.5	2.86	5.49	0.27	25.7	1.11		120	54.6	9.50	2.72
Dalnaya-ma gr467	41.9	0.52	18.0	5.94	6.85	0.31	21.4	5.02	0.05	3117	63.1	12.3	9.60
Dalnaya-ma gr468	42.0	0.23	19.8	3.55	5.89	0.28	19.8	7.71	0.07	1379	49.8	10.3	8.36
Dalnaya-ma gr469	42.6	0.40	19.3	4.44	6.71	0.36	22.0	4.69	0.06	2398	59.9	10.3	12.3
Dalnaya-ma gr470	41.1	0.11	16.6	8.17	7.09	0.44	19.4	5.93	0.01	659	20.3	8.16	3.99
Dalnaya-ma gr471	42.8	0.12	16.9	8.06	6.56	0.39	23.1	2.74	0.01	719	52.5	11.7	8.68
Dalnaya-ma gr472	41.0	0.11	15.0	10.6	6.20	0.38	21.9	4.25	0.04	659	57.8	13.1	8.76
Dalnaya-ma gr473	42.4	0.52	18.4	5.25	6.97	0.35	21.5	4.97	0.06	3117	62.1	10.2	6.21
Dalnaya-ma gr474	41.5	1.12	15.8	7.98	7.18	0.36	20.5	6.53	0.11	6714	69.1	14.1	14.5
Dalnaya-ma gr475	42.1	1.01	16.6	6.58	7.38	0.41	19.6	7.13	0.09	6055	59.4	13.2	14.8
Dalnaya-ma gr476	43.1	0.13	18.7	5.68	6.42	0.34	22.5	4.41	0.04	779	56.1	13.8	8.88
Dalnaya-ma gr477	41.9	0.94	17.2	6.48	6.90	0.37	21.3	5.58	0.09	5635	70.2	10.6	12.8
Dalnaya-ma gr478	43.0	0.25	18.8	5.83	6.51	0.33	22.5	4.47	0.04	1499	56.8	13.8	9.23
Dalnaya-ma gr479	43.1	0.52	20.8	3.12	6.51	0.33	22.2	4.19	0.04	3117	49.9	10.7	10.7
Dalnaya-ma gr480	41.6	0.23	14.7	10.8	6.57	0.34	22.1	4.36	0.02	1379	55.4	11.9	9.72
Dalnaya-ma gr481	41.3	0.63	16.9	6.75	7.17	0.32	21.1	5.36	0.07	3777	68.8	13.6	9.09
Dalnaya-ma gr482	42.1	0.04	21.1	2.49	5.54	0.28	23.5	2.96		240	47.8	7.65	1.33
Dalnaya-ma gr483	41.7	0.05	13.3	12.9	6.85	0.45	22.0	3.75	0.02	300	64.1	18.2	9.17
Dalnaya-ma gr484	41.2	0.28	15.9	8.47	7.10	0.36	19.8	0.28	0.01	1679	65.3	12.5	8.33
Dalnaya-ma gr485	42.3	0.23	15.9	8.97	6.60	0.32	21.5	5.09	0.03	1379	64.3	11.8	11.8
Dalnaya-ma gr486	41.2	0.37	17.5	6.19	7.02	0.43	20.8	5.30	0.04	2218	64.7	12.8	11.7
Dalnaya-ma gr487	41.7	1.07	17.0	5.62	7.73	0.37	19.8	6.54	0.08	6415	70.2	12.9	15.6
Dalnaya-ma gr488	42.1	0.44	18.4	4.89	7.74	0.31	20.8	5.33	0.05	2638	67.0	16.0	10.3
Dalnaya-ma gr489	42.1	0.39	18.5	5.48	6.76	0.34	21.9	4.81	0.06	2338	73.1	15.9	13.0
Dalnaya-ma gr490	42.9	0.31	20.0	3.68	7.43	0.32	21.8	4.97	0.04	1858	74.2	13.3	12.2
Dalnaya-ma gr491	42.6	0.48	19.1	4.16	8.80	0.30	20.7	5.14	0.05	2878	64.4	15.8	11.2
Dalnaya-ma gr492	42.2	0.07	17.6	6.83	6.80	0.37	20.8	5.54	0.05	420	55.2	12.5	12.4
Dalnaya-ma gr493	40.9	0.85	17.4	4.62	8.62	0.34	19.0	6.16	0.07	5096	53.3	13.8	17.9
Dalnaya-ma gr494	42.4	0.63	17.9	5.57	8.62	0.34	21.2	5.46	0.09	3777	68.5	18.1	8.09
Dalnaya-ma gr495	41.9	0.50	17.0	6.65	6.74	0.40	20.7	5.54	0.06	2998	62.4	10.9	6.30
Geophys-bre gr496	41.3	0.19	18.1	5.84	7.81	0.47	20.3	5.12	0.07	1139	21.0	10.3	8.82
Geophys-bre gr497	42.1	0.00	19.2	5.34	6.72	0.32	20.4	5.96		0.60	22.8	13.2	3.37
Geophys-bre gr498	41.8	0.19	18.5	5.78	7.59	0.43	19.9	5.96	0.04	1139	15.5	12.5	6.41

Geophys-bre gr499	41.4	1.02	17.2	5.31	7.83	0.35	19.9	6.16	0.07	6115	60.8	12.6	16.6
Geophys-bre gr500	41.0	0.02	18.1	5.68	7.02	0.27	20.6	5.80	0.03	120	70.1	12.4	8.38
Geophys-bre gr501	40.7	0.75	16.9	5.92	9.76	0.45	19.0	5.76	0.05	4496	34.3	18.7	11.7
Geophys-bre gr502	42.5	0.75	18.8	3.72	7.62	0.34	21.3	5.16	0.05	4496	77.1	15.5	10.9
Geophys-bre gr503	42.9	0.16	21.0	2.95	7.66	0.33	20.7	4.83	0.02	959	21.0	10.2	10.3
Geophys-bre gr504	41.3	0.50	18.8	4.14	7.66	0.33	20.7	4.83	0.04	2998	58.6	16.3	9.49
Geophys-bre gr505	41.8	0.21	19.9	3.74	7.57	0.42	20.4	5.15	0.05	1259	17.1	14.0	6.67
Geophys-bre gr506	41.6	0.12	19.3	4.35	7.86	0.48	19.9	5.44	0.03	719	17.8	13.7	9.08
Geophys-bre gr507	40.0	1.18	11.8	11.4	7.27	0.37	18.4	7.87	0.08	7074	94.0	13.8	13.1
Geophys-bre gr508	40.1	1.23	11.9	11.3	7.30	0.32	18.4	7.98	0.07	7374	87.7	13.8	9.75
Geophys-bre gr509	41.8	0.41	18.4	4.15	7.05	0.30	21.2	5.28	0.02	2458	60.0	15.2	6.50
Geophys-bre gr510	41.4	0.08	17.0	7.60	6.29	0.33	21.0	5.36	0.02	480	16.9	9.34	7.24
Geophys-bre gr511	41.4	0.15	20.6	2.88	8.08	0.47	20.4	4.97	0.04	899	20.8	11.7	6.02
Geophys-bre gr512	41.5	0.02	18.0	6.41	7.39	0.37	20.0	5.64	0.02	120	20.4	12.4	5.82
Geophys-bre gr513	41.5	0.11	17.7	6.70	7.97	0.47	19.1	6.25	0.02	659	59.8	14.4	14.7
Geophys-bre gr514	41.5	1.19	18.1	3.25	9.35	0.40	20.4	5.32	0.08	7134	21.2	14.1	13.7
Geophys-bre gr515	41.8	0.22	19.4	4.77	7.68	0.44	20.1	5.46	0.03	1319	23.9	11.0	7.54
Geophys-bre gr516	42.2	0.11	20.1	3.84	7.64	0.42	20.4	5.06	0.03	659	72.2	13.6	13.4
Geophys-bre gr517	42.2	0.46	19.3	4.13	6.96	0.37	21.2	5.48	0.03	2758	54.8	12.4	12.0
Geophys-bre gr518	41.9	0.21	20.1	3.92	7.64	0.51	20.7	4.78	0.05	1259	9.46	10.1	9.61
Geophys-bre gr519	42.5	0.12	17.4	7.73	6.43	0.30	24.1	1.77	0.05	719	45.5	11.8	4.90
Geophys-bre gr520	42.4	0.87	17.2	5.49	7.54	0.30	21.1	5.41	0.08	5216	93.1	16.5	9.80
Geophys-bre gr521	41.8	0.12	18.4	6.13	7.83	0.46	19.6	6.09	0.03	719	16.2	12.3	8.68
Geophys-bre gr522	42.1	0.29	19.8	4.00	8.26	0.38	20.2	5.15	0.06	1739	24.6	12.2	14.2
Geophys-bre gr523	41.5	0.16	16.9	7.71	7.72	0.53	18.3	7.37	0.04	959	16.4	11.6	5.83
Geophys-bre gr524	40.9	0.18	19.0	4.61	7.85	0.47	19.6	5.43	0.04	1079	25.8	13.5	11.5
Geophys-bre gr525	41.6	0.19	18.7	5.45	7.89	0.47	20.2	5.42	0.06	1139	17.3	12.6	9.64
Geophys-bre gr526	42.0	0.22	20.3	3.62	7.98	0.42	20.4	5.11	0.02	1319	22.8	12.2	9.00
Geophys-bre gr527	40.9	0.16	16.2	8.32	7.29	0.48	18.3	7.45	0.03	959	22.4	13.2	5.93
Geophys-bre gr528	42.6	0.56	19.7	3.61	7.74	0.45	19.2	4.26	0.06	3357	53.5	14.0	12.8
Geophys-bre gr529	41.2	0.15	17.0	7.57	7.57	0.45	19.2	6.17	0.04	899	17.1	12.3	7.51
Geophys-bre gr530	41.3	0.04	17.8	6.62	7.77	0.56	19.3	6.26	0.04	240	14.6	9.89	5.26
Geophys-bre gr531	41.1	0.27	16.7	7.82	6.68	0.31	21.9	3.95	0.02	1619	49.6	14.0	9.12
Geophys-bre gr532	41.0	0.30	18.4	5.14	7.62	0.44	19.5	5.86	0.04	1799	15.8	10.6	6.39
Geophys-bre gr533	41.2	0.08	18.0	6.15	8.04	0.51	19.3	6.02	0.04	480	20.4	12.2	7.15
Geophys-bre gr534	42.1	0.09	20.6	3.32	8.34	0.49	20.4	5.24	0.03	540	19.9	12.1	10.5

Geophys-bre gr535	41.6	5.02	19.2	5.02	7.38	0.39	20.4	5.12	0.05		18.2	11.5	7.04
Geophys-bre gr536	41.1	0.02	17.5	7.36	7.87	0.51	19.7	5.56	0.01	120	55.5	8.62	5.36
Geophys-bre gr537	41.7	0.91	16.7	6.32	8.09	0.33	20.7	6.06	0.07	5455	92.6	15.1	13.1
Geophys-bre gr538	41.9	0.11	18.8	5.54	7.21	0.44	22.0	5.45	0.05	659	19.6	10.5	5.51
Geophys-bre gr539	42.9	0.21	19.8	4.45	8.09	0.50	20.5	5.45	0.03	1259	21.5	11.2	8.70
Geophys-bre gr540	41.9	0.26	17.7	6.83	7.45	0.48	19.8	5.90	0.10	1559	24.4	12.2	7.02
Geophys-bre gr541	42.1	0.39	18.2	5.83	6.71	0.35	21.6	4.49	0.06	2338	63.1	15.7	10.7
Geophys-bre gr542	42.1	1.14	18.8	2.77	9.26	0.34	20.6	5.12	0.08	6834	79.3	18.5	16.0
Geophys-bre gr543	42.3	0.25	19.7	3.64	7.18	0.30	21.5	4.73	0.02	1499	66.3	12.8	10.3
Geophys-bre gr544	42.1	0.68	19.6	3.62	9.17	0.38	20.1	5.96	0.06	4077	45.4	15.9	14.3
Geophys-bre gr545	41.4	0.21	18.4	5.29	7.60	0.42	19.7	5.42	0.03	1259	16.4	10.0	8.92
Geophys-ma gr546	43.1	0.75	18.8	4.57	7.00	0.34	21.6	5.47	0.09	4496	63.9	8.36	15.2
Geophys-ma gr547	41.5	0.02	17.5	6.70	7.71	0.39	19.0	6.63		120	14.3	11.5	4.23
Geophys-ma gr548	41.3	0.81	17.0	6.04	7.13	0.35	20.0	6.21	0.06	4856	62.2	11.7	15.7
Geophys-ma gr549	41.2	1.25	18.1	2.97	9.82	0.30	19.8	5.51	0.07	7494	71.3	16.3	19.9
Geophys-ma gr550	41.5	0.77	17.8	5.69	7.43	0.39	20.7	5.20	0.07	4616	58.3	17.3	9.89
Geophys-ma gr551	40.6	0.77	16.4	7.03	7.27	0.30	20.3	5.56	0.08	4616	65.6	12.5	10.3
Geophys-ma gr552	41.5	0.74	16.9	6.94	7.69	0.35	20.4	5.95	0.06	4436	64.2	11.0	10.7
Geophys-ma gr553	41.5	0.19	18.7	5.16	7.82	0.49	19.8	5.41	0.05	1139	16.1	8.86	8.22
Geophys-ma gr554	41.1	0.01	17.8	6.68	7.73	0.52	19.3	6.26	0.01	60.0	15.7	10.7	5.03
Geophys-ma gr555	40.9	0.12	17.4	6.83	7.55	0.43	19.4	6.03	0.01	719	17.7	8.81	7.87
Geophys-ma gr556	41.5	0.58	17.7	5.16	9.49	0.34	19.3	5.30	0.06	3477	33.0	15.5	10.4
Geophys-ma gr557	41.7	0.07	18.4	6.36	7.45	0.49	20.0	5.90	0.02	420	15.5	9.45	6.60
Geophys-ma gr558	41.5	0.85	18.0	4.56	7.52	0.38	20.6	5.82	0.09	5096	56.8	10.8	14.7
Geophys-ma gr559	41.1	0.87	17.5	5.28	8.08	0.33	20.0	6.16	0.08	5216	60.6	16.8	15.5
Geophys-ma gr560	42.1	0.64	19.0	3.60	6.33	0.26	21.3	5.47	0.08	3837	61.0	12.3	14.6
Geophys-ma gr561	41.4	0.15	18.9	5.28	8.09	0.41	19.3	5.78	0.04	899	21.0	12.1	10.1
Geophys-ma gr562	42.3	0.28	19.9	3.55	8.04	0.41	20.5	4.96	0.05	1679	21.2	11.7	9.86
Geophys-ma gr563	41.1	0.75	15.3	8.24	6.71	0.38	20.2	6.15	0.08	4496	61.1	10.2	7.33
Geophys-ma gr564	41.6	0.17	17.3	7.41	7.09	0.41	19.9	5.96	0.04	1019	29.2	9.86	6.29
Geophys-ma gr565	41.6	0.29	17.5	6.25	6.58	0.35	21.5	4.64	0.04	1739	62.1	10.3	6.51
Geophys-ma gr566	42.6	0.25	21.5	1.96	8.21	0.37	21.0	4.52	0.04	1499	20.5	9.58	9.13
Geophys-ma gr567	41.7	0.39	19.2	4.31	6.96	0.34	21.4	4.80	0.06	2338	58.9	13.7	12.5
Geophys-ma gr568	41.3	0.56	17.5	5.73	6.77	0.33	20.1	6.16	0.06	3357	50.3	14.4	11.0
Geophys-ma gr569	41.3	0.63	16.8	7.01	7.18	0.37	20.4	5.40	0.06	3777	64.9	12.7	4.30
Geophys-ma gr570	41.2	0.45	19.1	4.00	7.32	0.34	21.4	4.55	0.04	2698	47.7	9.78	12.5

Geophys-magr571	41.3	0.21	17.2	6.74	8.03	0.48	18.9	6.06	0.05	1259	17.0	11.9	8.87
Geophys-magr572	41.3	0.00	18.7	5.38	7.25	0.37	19.6	6.07	0.01	0.60	21.3	9.21	6.11
Geophys-magr573	41.5	0.49	17.8	5.68	6.50	0.32	21.2	5.17	0.06	2938	54.9	10.3	10.8
Geophys-magr574	41.6	0.03	17.9	6.84	7.55	0.48	19.3	6.22	0.01	180	19.0	9.93	5.83
Geophys-magr575	40.5	0.01	16.5	7.99	7.55	0.48	18.1	7.28		60.0	21.7	10.6	4.07
Geophys-magr576	41.1	0.11	17.0	7.40	7.08	0.41	19.9	5.90	0.03	659	18.1	9.99	6.42
Geophys-magr577	41.6	0.91	17.3	5.54	7.21	0.39	20.8	5.43	0.09	5455	68.3	14.1	15.0
Geophys-magr578	42.1	0.06	19.3	2.21	7.13	0.32	22.4	2.86	0.01	360	16.0	10.9	4.38
Geophys-magr579	42.7	4.59	21.1	2.21	8.39	0.39	20.9	4.59	0.03	27517	20.5	9.60	12.2
Geophys-magr580	42.1	0.22	20.4	3.18	8.40	0.49	20.7	4.96	0.03	1319	15.5	9.00	8.88
Geophys-magr581	41.7	0.14	18.1	6.55	7.72	0.45	20.0	5.40	0.04	839	18.2	9.84	7.41
Geophys-magr582	39.7	0.96	12.3	11.5	6.64	0.29	18.7	7.76	0.09	5755	61.8	11.9	10.5
Geophys-magr583	41.1	0.33	14.9	9.52	6.70	0.37	20.5	5.52	0.06	1978	59.4	11.4	5.71
Geophys-magr584	42.0	0.10	17.7	6.53	8.14	0.51	19.0	6.54	0.02	600	48.4	14.2	11.5
Geophys-magr585	42.2	0.20	18.5	5.80	6.24	0.26	23.0	3.15	0.05	1199	45.5	12.4	6.92
Geophys-magr586	42.6	0.22	21.4	2.19	8.09	0.42	20.9	4.80	0.04	1319	17.0	8.44	10.5
Geophys-magr587	40.6	0.46	17.1	6.74	7.58	0.49	19.0	6.44	0.08	2758	18.3	11.4	10.5
Geophys-magr588	40.7	0.36	16.9	6.92	7.34	0.44	18.7	6.51	0.04	2158	16.8	7.86	7.30
Geophys-magr589	42.4	0.07	18.0	6.16	7.14	0.34	20.9	5.72	0.02	420	58.9	12.8	11.4
Geophys-magr590	41.0	0.99	14.4	8.50	7.43	0.33	19.7	5.88	0.06	5935	89.3	14.6	15.5
Geophys-magr591	41.4	0.01	17.8	6.64	7.69	0.45	19.7	5.42	0.04	60.0	17.0	10.7	5.61
Geophys-magr592	41.0	0.12	17.6	6.66	7.88	0.42	19.9	5.42	0.04	719	19.6	10.5	6.41
Geophys-magr593	41.7	0.28	18.5	5.22	7.53	0.40	19.6	5.78	0.03	1679	22.7	10.7	7.80
Geophys-magr594	41.5	0.23	19.8	4.10	7.66	0.42	20.3	4.86	0.06	1379	16.6	9.12	9.73
Geophys-magr595	41.9	0.49	15.3	9.20	6.59	0.41	21.3	5.00	0.05	2938	52.6	10.0	6.83
Molodost-bregr596	42.2	0.00	21.6	3.54	7.75	0.35	19.6	5.78		0.60	18.5	15.8	4.11
Molodost-bregr597	42.0	0.13	18.2	7.41	7.37	0.28	20.8	4.46		779	38.9	12.3	6.52
Molodost-bregr598	42.3	0.00	18.7	6.92	6.97	0.24	21.3	3.79		0.60	36.4	13.4	6.05
Molodost-bregr599	42.0	0.00	20.0	5.19	7.22	0.30	21.0	4.07		0.60	36.5	15.4	8.94
Molodost-bregr600	41.7	0.00	20.0	5.29	7.28	0.24	20.9	3.97		0.60	41.8	72.8	9.16
Molodost-bregr601	42.2	0.00	19.7	5.17	7.32	0.34	21.0	4.13		0.06	40.7	12.7	9.27
Molodost-bregr602	42.2	0.18	20.4	4.64	7.05	0.22	20.9	4.35		1079	38.9	11.7	10.7
Molodost-bregr603	42.0	0.00	21.4	3.41	7.50	0.51	19.5	5.56		0.60	19.8	12.5	2.66
Molodost-megr604	41.4	0.91	15.8	7.34	7.34	0.31	20.4	6.05		5455	114	14.5	8.73
Molodost-megr605	41.3	1.13	16.2	7.01	7.33	0.29	20.6	5.98		6774	108	15.1	8.50
Molodost-megr606	41.2	0.96	15.7	7.38	7.36	0.33	20.3	6.16		5755	117	17.1	9.98

Molodost-megr607	41.8	0.59	16.2	7.53	7.34	0.23	20.4	6.34		3537	122	13.6	10.1
Molodost-megr608	41.9	0.90	16.2	7.48	7.48	0.30	20.5	6.05		5396	110	14.7	11.5
Molodost-megr609	42.2	0.99	16.2	7.19	7.36	0.45	20.4	6.15		5935	106	14.1	13.4
Molodost-megr610	41.5	0.71	16.2	7.25	7.23	0.28	20.1	6.27		4256	117	17.7	9.66
Molodost-megr611	41.6	0.14	18.2	6.50	7.72	0.37	20.4	5.20		839	36.7	11.8	13.1
Molodost-megr612	41.8	0.00	18.4	6.39	7.60	0.36	20.3	5.25		0.60	36.8	9.63	10.4
Molodost-megr613	41.9	0.17	18.3	6.08	7.66	0.34	20.5	5.06		1019	31.1	7.11	10.0
Molodost-megr614	41.5	0.00	18.5	6.43	7.64	0.42	20.2	5.06		0.60	36.0	9.75	8.78
Molodost-megr615	41.8	0.13	19.0	5.31	7.72	0.33	20.6	4.88		779	34.8	10.2	10.0
Molodost-megr616	41.8	0.14	18.4	6.25	7.73	0.33	20.4	5.17		839	31.2	8.56	10.8
Molodost-megr617	41.7	0.00	18.4	6.35	7.59	0.40	20.2	5.15		0.60	40.6	12.1	10.8
Molodost-megr618	42.7	0.00	18.1	5.81	7.06	0.31	21.1	5.50		0.60	121	17.3	14.0
Molodost-megr619	41.7	0.29	19.3	4.94	7.52	0.45	21.3	4.34		1739	40.5	12.2	15.0
Molodost-megr620	41.5	0.14	18.3	6.40	7.42	0.34	20.2	5.16		839	33.1	9.31	11.2
Molodost-megr621	41.6	0.00	18.3	6.42	7.53	0.38	20.2	5.18		0.60	36.3	13.3	10.8
Molodost-megr622	41.7	0.10	18.2	6.51	7.25	0.32	21.1	4.42		600	39.8	12.4	8.18
Molodost-megr623	41.6	0.00	18.4	6.32	8.07	0.38	20.5	4.82		0.60	38.0	9.76	8.67
Molodost-megr624	41.8	0.00	18.3	6.78	7.22	0.46	20.6	4.83		0.60	36.3	70.6	6.33
Molodost-megr625	41.9	0.00	18.4	6.78	7.13	0.38	21.3	4.38		0.60	34.7	10.5	5.66
Molodost-megr626	42.0	0.00	18.6	6.35	7.10	0.32	22.6	2.56		0.60	40.5	12.0	3.79
Molodost-megr627	42.3	0.00	18.6	6.68	7.15	0.45	22.5	2.49		0.60	44.7	9.19	6.15
Molodost-megr628	41.6	0.00	18.2	6.85	7.21	0.44	20.7	4.83		0.60	36.1	10.6	6.29
Osennaya gr629	41.4	0.61	17.4	7.48	6.23	0.31	20.3	5.41	0.04	3657	79.5	13.5	9.02
Osennaya gr630	42.3	0.70	21.4	1.26	8.92	0.25	20.8	4.18	0.13	4197	97.9	18.1	9.61
Osennaya gr631	42.5	0.57	21.7	1.92	7.85	0.35	21.3	4.28	0.07	3417	82.4	13.4	14.4
Osennaya gr632	42.2	0.46	21.1	2.54	7.17	0.30	21.3	4.83	0.04	2758	85.1	11.2	13.4
Osennaya gr633	40.4	0.63	21.0	2.12	8.11	0.34	21.0	4.19	0.06	3777	75.9	13.2	15.7
Osennaya gr634	42.3	0.65	20.7	2.62	8.08	0.31	20.7	4.58	0.09	3897	86.0	15.6	13.2
Osennaya gr635	42.4	0.15	21.3	3.24	7.43	0.42	20.8	4.59	0.02	899	54.8	13.8	7.71
Osennaya gr636	41.9	0.03	17.1	8.83	6.95	0.37	20.8	3.52	0.05	180	32.8	9.41	4.96
Osennaya gr637	42.1	0.50	20.0	4.27	7.48	0.30	20.7	4.90	0.07	2998	86.9	12.9	11.3
Osennaya gr638	42.5	0.41	21.7	2.14	7.69	0.41	21.2	4.32	0.06	2458	77.5	17.6	12.4
Osennaya gr639	42.2	0.62	21.9	1.66	8.74	0.62	20.6	4.19	0.11	3717	48.1	10.7	14.3
Osennaya gr640	42.6	0.57	20.6	3.65	7.42	0.36	21.2	4.39	0.04	3417	69.8	12.9	13.0
Osennaya gr641	41.7	1.20	20.1	1.79	9.89	0.31	19.3	5.07	0.08	7194	47.7	17.3	16.0
Osennaya gr642	41.7	0.29	16.9	9.20	7.14	0.43	19.6	5.69	0.07	1739	37.8	9.45	12.1

Osennaya	gr643	41.2	0.28	20.3	3.98	6.62	0.23	21.5	4.34	0.07	1679	59.2	10.4	11.9
Osennaya	gr644	42.9	0.32	21.3	2.71	7.51	0.27	21.3	4.32	0.07	1918	77.5	13.1	13.4
Osennaya	gr645	42.1	0.37	18.6	6.26	6.79	0.34	19.7	5.59	0.07	2218	35.0	8.25	13.2
Osennaya	gr646	41.7	0.05	15.1	11.5	7.02	0.44	20.5	3.61	0.04	300	34.1	11.0	7.14
Osennaya	gr647	42.6	0.24	20.4	4.10	7.09	0.32	20.9	5.00	0.10	1439	73.0	10.0	11.3
Osennaya	gr648	42.8	0.43	18.9	6.13	6.69	0.36	21.1	4.57	0.07	2578	58.4	10.0	8.62
Osennaya	gr649	41.9	1.19	16.2	7.91	7.32	0.32	19.7	6.56	0.10	7134	98.2	15.0	13.8
Osennaya	gr650	43.8	0.11	22.2	2.47	6.86	0.31	21.3	4.58	0.03	659	54.5	11.2	7.14
Osennaya	gr651	41.5	0.41	19.6	4.46	11.2	0.48	16.8	6.41	0.07	2458	14.0	16.8	15.9
Osennaya	gr652	42.7	0.54	20.6	3.86	7.47	0.27	21.2	4.48	0.08	3237	70.2	13.4	14.0
Osennaya	gr653	42.1	0.16	18.3	7.09	7.61	0.51	19.0	5.37	0.04	959	17.8	10.5	5.83
Osennaya	gr654	42.9	0.42	21.5	2.37	6.63	0.30	21.9	3.85	0.07	2518	68.0	12.0	10.7
Osennaya	gr655	42.2	0.01	16.0	10.3	5.64	0.36	22.3	2.53		60.0	42.4	6.99	4.83
Osennaya	gr656	42.4	0.06	19.2	5.20	6.55	0.36	21.3	4.05	0.03	360	58.4	10.5	5.54
Osennaya	gr657	43.6	0.41	21.2	2.77	7.38	0.27	21.4	4.32	0.06	2458	82.9	13.0	12.6
Osennaya	gr658	43.0	0.51	21.0	2.56	7.56	0.34	21.0	4.44	0.07	3057	78.0	13.2	12.2
Osennaya	gr659	41.6	0.53	16.1	9.45	7.22	0.45	18.3	7.43	0.13	3177	41.5	9.79	13.5
Osennaya	gr660	42.8	0.50	20.5	3.65	7.10	0.31	20.8	4.50	0.09	2998	64.5	12.6	13.6
Osennaya	gr661	43.1	1.29	18.5	4.23	7.84	0.31	21.2	5.62	0.08	7734	148	17.9	13.9
Osennaya	gr662	42.6	0.07	18.6	5.78	6.34	0.29	21.5	5.40	0.02	420	132	11.7	8.69
Osennaya	gr663	43.2	0.41	20.5	3.73	6.51	0.34	20.9	5.39	0.08	2458	61.6	10.9	13.0
Osennaya	gr664	42.3	0.01	16.0	10.2	7.07	0.41	21.8	2.47	0.02	60.0	40.9	8.85	3.77
Osennaya	gr665	40.9	0.06	15.3	10.4	7.51	0.37	18.2	6.56	0.03	360	35.1	11.3	8.16
Osennaya	gr666	42.0	1.08	17.1	5.43	8.51	0.36	19.2	7.21	0.04	6475	137	15.1	14.5
Osennaya	gr667	42.1	0.00	16.5	10.5	7.20	0.42	22.1	2.55	0.06	0.06	45.2	13.1	5.88
Osennaya	gr668	42.8	0.54	19.1	5.42	7.99	0.48	19.1	6.61	0.11	3237	48.7	12.1	14.2
Osennaya	gr669	41.4	0.05	18.4	7.10	7.49	0.51	19.3	5.93	0.01	300	27.7	11.0	7.47
Osennaya	gr670	41.7	0.05	18.7	7.09	7.84	0.48	19.3	5.86	0.03	300	31.7	11.4	6.32
Osennaya	gr671	41.8	0.44	18.7	6.46	6.91	0.39	19.8	5.63	0.11	2638	40.4	9.64	15.2
Osennaya	gr672	42.7	0.35	20.1	4.87	6.60	0.34	21.3	4.76	0.06	2098	55.7	11.6	13.4
Osennaya	gr673	42.6	0.50	21.1	2.85	7.37	0.24	21.6	4.09	0.07	2998	85.5	13.4	13.6
Yakutskaya	gr674	40.2	0.47	13.9	10.6	7.14	0.09	19.3	6.80	0.03	2818	117	46.1	11.6
Yakutskaya	gr675	41.1	0.80	17.1	6.28	7.81	0.16	20.3	5.77	0.06	4796	102	16.4	11.8
Yakutskaya	gr676	39.9	0.07	15.1	9.40	8.07	0.10	18.6	6.81	0.03	420	78.8	29.1	8.33
Yakutskaya	gr677	41.5	0.98	19.6	2.56	8.27	0.26	21.1	4.77	0.07	5875	146	32.0	14.1
Yakutskaya	gr678	41.4	0.69	18.2	5.45	7.47	0.16	21.3	4.41	0.06	4137	102	16.4	8.53

Yakutskaya	gr679	41.4	0.66	16.7	6.92	7.46	0.21	20.2	6.18	0.04	3957	96.7	17.3	10.1
Yakutskaya	gr680	41.7	0.64	18.5	4.91	7.16	0.23	20.9	5.43	0.06	3837	93.7	14.4	11.7
Yakutskaya	gr681	41.2	0.17	18.2	6.44	7.17	0.23	21.3	4.82	0.07	1019	55.8	17.1	10.2
Yakutskaya	gr682	41.5	1.01	18.7	3.91	8.13	0.22	20.8	5.22	0.06	6055	110	27.9	15.6
Yakutskaya	gr683	40.1	1.09	15.2	7.80	8.98	0.15	18.8	6.06	0.10	6535	104	89.7	11.8
Yakutskaya	gr684	41.6	0.50	19.6	3.70	7.45	0.24	21.5	4.91	0.09	2998	146	30.7	12.8
Yakutskaya	gr685	42.0	0.33	18.1	4.91	7.04	0.13	21.8	5.15	0.01	1978	151	22.8	11.2
Yakutskaya	gr686	40.9	0.62	15.5	8.67	8.15	0.22	18.8	6.38	0.06	3717	95.5	23.9	10.3
Yakutskaya	gr687	41.8	0.22	18.6	4.64	7.39	0.17	21.0	5.54		1319	132	48.2	12.5
Yakutskaya	gr688	41.8	0.27	17.0	6.02	6.82	0.16	21.1	5.53	0.03	1619	152	38.3	9.76
Yakutskaya	gr689	42.0	0.91	19.5	2.08	7.80	0.22	22.2	4.44	0.09	5455	155	17.1	11.8
Yakutskaya	gr690	42.3	0.31	17.3	6.08	6.54	0.15	21.2	5.63	0.02	1858	82.4	13.9	10.1
Yakutskaya	gr691	41.7	0.84	18.5	4.62	7.89	0.26	21.1	5.12	0.06	5036	152	34.3	11.4
Yakutskaya	gr692	40.7	0.46	16.5	7.76	7.12	0.22	20.0	6.10	0.04	2758	105	21.7	8.01
Yakutskaya	gr693	41.0	1.03	16.3	6.82	7.98	0.17	20.2	6.11	0.05	6175	99.5	18.3	13.6
Yakutskaya	gr694	41.7	1.03	18.8	3.36	8.51	0.18	21.2	4.83	0.08	6175	124	20.2	15.7
Yakutskaya	gr695	39.8	1.27	14.4	8.99	8.55	0.22	18.8	6.54	0.09	7614	95.2	20.7	17.2
Yakutskaya	gr696	40.9	1.00	16.1	7.22	8.60	0.24	19.3	6.07	0.10	5995	90.6	19.6	12.1
Yakutskaya	gr697	41.1	0.78	17.5	5.99	7.75	0.20	20.4	5.72	0.03	4676	98.1	18.0	11.8
Yakutskaya	gr698	40.8	0.71	17.3	5.71	7.79	0.21	20.1	5.70	0.07	4256	105	16.8	13.0
Yakutskaya	gr699	40.2	1.18	16.0	7.21	7.85	0.21	20.0	5.99	0.06	7074	115	17.5	15.5
Yakutskaya	gr700	40.9	0.80	17.2	6.10	7.96	0.14	20.1	5.98	0.04	4796	98.7	16.6	13.7
Yakutskaya	gr701	41.6	0.72	18.6	4.25	7.31	0.25	20.9	5.26	0.04	4316	93.3	16.6	11.8
Yakutskaya	gr702	41.3	1.10	17.9	5.23	7.40	0.17	20.7	5.44	0.08	6595	98.6	13.8	11.9
Yakutskaya	gr703	41.0	1.04	18.0	4.59	7.55	0.29	20.5	5.32	0.08	6235	87.8	17.5	10.8
Yakutskaya	gr704	40.3	0.30	13.7	11.0	7.71	0.22	19.0	6.56	0.03	1799	90.4	18.2	11.0
Yakutskaya	gr705	41.6	0.94	18.2	4.92	7.14	0.14	21.7	4.72	0.09	5635	129	15.5	11.7
Yakutskaya	gr706	41.0	0.44	20.9	1.99	7.57	0.25	21.6	4.23	0.06	2638	82.1	17.5	13.7
Yakutskaya	gr707	40.8	0.71	17.1	6.31	7.47	0.16	20.3	5.83	0.06	4256	92.4	15.8	12.1
Yakutskaya	gr708	40.2	1.08	13.6	10.3	7.64	0.17	19.3	6.71	0.07	6475	102	18.7	12.2
Yakutskaya	gr709	40.6	1.14	18.0	4.48	8.56	0.16	20.1	5.24	0.10	6834	91.7	20.2	16.0
Yakutskaya	gr710	41.6	0.63	18.4	4.75	7.23	0.18	21.0	5.34	0.07	3777	106	16.4	9.89
Yakutskaya	gr711	40.9	1.07	18.1	4.33	9.30	0.20	19.6	5.45	0.08	6415	72.8	29.7	14.7
Yakutskaya	gr712	40.4	0.90	15.9	7.62	7.32	0.25	20.0	6.16	0.04	5396	101	19.0	14.1
Yakutskaya	gr713	41.0	1.28	19.4	2.03	10.0	0.28	19.8	5.04	0.07	7674	53.6	18.5	22.4
Yakutskaya	gr714	41.0	0.31	17.5	7.39	6.36	0.28	20.4	6.29	0.06	1858	52.3	12.3	9.85

Yakutskaya	gr715	40.5	1.05	16.5	7.03	7.41	0.26	20.1	5.93	0.06	6295	98.2	17.8	11.1
Yakutskaya	gr716	41.0	0.11	20.7	3.24	10.9	0.47	17.1	6.59	0.01	659	13.8	9.86	5.72
Yakutskaya	gr717	40.5	1.18	16.7	5.63	9.82	0.19	19.2	5.67	0.09	7074	78.5	20.5	15.8
Yakutskaya	gr718	41.1	1.00	16.4	7.22	7.62	0.24	20.2	5.98	0.07	5995	101	19.5	12.2
Yakutskaya	gr719	40.5	0.04	13.7	11.1	7.22	0.27	20.3	5.06		240	108	20.8	10.1
Yakutskaya	gr720	41.1	0.75	19.0	4.31	7.65	0.15	20.8	5.05	0.08	4496	70.6	17.2	13.9
Yakutskaya	gr721	41.2	0.75	18.5	4.91	7.49	0.11	21.0	5.24	0.09	4496	92.3	16.9	11.4
Yakutskaya	gr722	40.8	1.09	18.2	4.33	9.84	0.33	19.5	5.30	0.09	6535	75.6	22.2	18.8
Yakutskaya	gr723	40.7	1.11	15.9	7.34	7.15	0.13	20.8	5.68	0.05	6654	127	15.1	14.1
Yakutskaya	gr724	40.7	0.65	17.0	6.75	7.72	0.15	19.3	6.86	0.04	3897	101	20.0	7.24
Zarnitsa	gr725	42.2	1.11	1.45	1.94	9.60	0.18	20.1	4.97		6654	63.2	18.2	17.6
Zarnitsa	gr726	42.5	0.30	19.9	2.84	7.26	0.14	21.3	4.97		1799	73.4	11.6	14.1
Zarnitsa	gr727	41.3	0.53	17.9	5.13	10.2	0.30	19.2	4.92		3177	30.2	22.8	16.3
Zarnitsa	gr728	41.8	0.15	16.6	9.04	7.28	0.22	20.8	4.31		899	59.9	15.0	9.94
Zarnitsa	gr729	42.9	0.59	20.8	1.76	7.77	0.18	21.2	4.68		3537	79.4	15.4	9.82
Zarnitsa	gr732	42.0	0.38	19.2	4.55	7.34	0.18	20.8	5.09		2278	73.9	10.8	10.5
Zarnitsa	gr733	41.7	0.00	13.2	12.7	6.98	0.32	21.6	3.47		6.00	48.1	9.03	5.61
Zarnitsa	gr734	42.7	0.19	18.7	5.08	6.27	0.20	22.2	4.84		1139	63.0	9.45	12.2
Zarnitsa	gr736	41.8	0.48	19.1	4.86	8.38	0.27	20.2	5.31		2878	55.4	13.0	12.6
Zarnitsa	gr737	42.0	0.20	17.8	5.93	7.27	0.20	20.5	5.58	0.01	1199	79.8	11.4	9.76
Zarnitsa	gr738	42.5	0.90	19.9	1.52	8.65	0.13	20.8	4.62	0.04	5396	50.8	12.2	14.4
Zarnitsa	gr739	42.0	0.42	21.9	2.37	7.82	0.37	21.2	4.04	0.07	2518	46.4	12.0	13.6
Zarnitsa	gr740	40.8	0.57	17.8	6.77	7.14	0.27	20.2	5.56	0.05	3417	85.4	13.7	11.9
Zarnitsa	gr742	42.9	0.50	20.9	3.15	7.47	0.26	21.0	4.41	0.06	2998	83.8	14.1	12.0
Zarnitsa	gr743	41.9	0.47	21.0	2.65	7.44	0.28	21.4	4.15	0.08	2818	80.9	17.1	14.2
Zarnitsa	gr744	41.3	0.93	21.0	5.34	6.86	0.31	20.7	4.87	0.12	5575	67.2	13.9	16.8
Zarnitsa	gr745	42.4	0.42	21.9	2.22	7.95	0.38	21.2	4.07	0.10	2518	47.0	13.2	12.6
Zarnitsa	gr746	41.6	0.18	20.9	3.69	10.1	0.41	18.4	5.35	0.04	1079	16.5	20.4	12.3
Zarnitsa	gr747	41.5	0.56	17.8	6.61	6.94	0.36	20.4	5.52	0.05	3357	78.9	14.7	9.08
Zarnitsa	gr748	41.4	0.53	18.0	6.67	6.89	0.33	20.3	5.42	0.05	3177	86.2	15.6	9.59
Zarnitsa	gr749	42.0	0.39	20.7	3.18	7.68	0.30	20.9	4.88	0.03	2338	89.0	72.3	10.1
Zarnitsa	gr750	42.3	0.44	21.7	2.24	7.50	0.34	21.1	3.97	0.07	2638	40.1	12.1	11.6
Zarnitsa	gr751	41.5	0.47	18.2	6.51	7.00	0.38	20.3	5.38	0.05	2818	83.9	15.7	8.74
Zarnitsa	gr752	41.0	0.06	16.0	11.0	6.15	0.31	22.3	2.60	0.03	360	55.8	13.9	12.6
Zarnitsa	gr753	42.3	0.30	20.6	3.91	7.29	0.33	20.8	4.90	0.04	1799	57.9	16.8	6.65
Zarnitsa	gr754	41.2	1.25	16.8	6.35	8.76	0.32	19.2	5.88	0.08	7494	96.7	91.1	13.9

Zarnitsa	gr755	42.0	0.95	20.0	2.55	8.43	0.30	20.7	4.76	0.06	5695	228	27.3	13.6
Zarnitsa	gr756	41.8	0.37	18.6	6.53	6.91	0.38	20.5	5.10	0.04	2218	84.9	15.1	9.71
Zarnitsa	gr757	41.8	0.04	19.3	5.23	7.12	0.28	19.8	5.58	0.01	240	55.8	16.8	5.14
Zarnitsa	gr758	41.3	0.52	20.2	3.74	7.54	0.26	20.6	4.75	0.07	3117	85.5	18.5	11.1
Zarnitsa	gr759	41.9	0.17	19.4	5.93	5.89	0.33	21.1	4.94	0.03	1019	57.8	13.2	7.94
Zarnitsa	gr760	41.6	0.56	20.4	3.54	7.34	0.28	20.7	4.69	0.04	3357	76.6	18.6	11.8
Zarnitsa	gr761	42.2	0.49	20.6	3.42	7.68	0.24	20.8	4.67	0.08	2938	107	24.1	12.2
Zarnitsa	gr762	41.3	0.26	20.6	3.75	11.1	0.56	17.2	5.72	0.02	1559	28.0	35.3	12.8
Zarnitsa	gr763	41.3	0.14	20.1	4.58	6.46	0.35	20.8	4.95	0.04	839	54.6	12.9	6.79
Zarnitsa	gr764	42.0	0.47	20.5	3.88	7.50	0.30	20.8	4.50	0.08	2818	56.5	14.0	10.7
Zarnitsa	gr765	42.4	0.51	20.8	3.00	7.43	0.34	21.0	4.41	0.06	3057	77.9	20.0	10.1
Zarnitsa	gr766	41.2	0.29	19.4	5.90	8.33	0.39	20.0	4.32	0.05	1739	29.9	23.4	5.52
Zarnitsa	gr767	42.3	0.59	20.9	2.57	7.26	0.30	21.1	4.23	0.08	3537	88.1	19.5	14.0
Zarnitsa	gr768	42.0	0.67	20.7	2.80	7.40	0.35	20.9	4.59	0.06	4017	74.3	14.8	12.4
Zarnitsa	gr769	41.9	1.29	20.3	1.81	10.4	0.38	19.4	5.14	0.11	7734	55.7	20.4	18.3
Zarnitsa	gr770	42.3	0.38	20.7	3.88	7.64	0.38	21.1	4.52	0.06	2278	153	27.9	12.1
Zarnitsa	gr771	41.8	0.46	20.7	3.87	7.34	0.27	20.8	4.50	0.07	2758	61.9	18.2	13.9
Zarnitsa	gr772	41.5	0.06	18.2	6.96	7.20	0.32	19.9	6.32	0.02	360	96.0	18.5	11.7
Zarnitsa	gr773	42.1	0.74	18.5	6.20	7.30	0.42	20.3	5.64	0.05	4436	57.6	18.3	9.91
Zarnitsa	gr774	41.6	0.99	18.8	5.23	6.79	0.34	20.9	4.98	0.11	5935	67.6	15.6	15.3
Zarnitsa	gr775	41.9	0.24	20.4	4.77	6.61	0.36	20.8	4.91	0.04	1439	58.0	17.1	9.08
Zarnitsa	gr776	41.8	1.15	19.5	3.35	9.40	0.33	19.7	5.17	0.09	6894	83.8	18.7	13.3
Zarnitsa	gr777	40.2	0.68	12.1	13.4	7.60	0.37	18.3	7.16	0.06	4077	90.6	20.6	9.45
Zarnitsa	gr778	41.6	0.42	17.7	7.55	6.69	0.42	20.5	5.12	0.08	2518	46.5	13.5	7.24
Zarnitsa	gr779	42.1	0.10	20.7	4.25	6.97	0.34	21.0	4.67	0.04	600	62.9	18.0	7.40
Zarnitsa	gr780	42.4	0.85	20.2	2.68	7.96	0.30	21.4	4.67	0.08	5096	119	20.3	13.4
Zarnitsa	gr781	42.2	0.04	20.0	4.81	6.90	0.31	20.7	4.95	0.03	240	57.4	17.1	7.66
Zarnitsa	gr782	42.4	0.22	21.4	3.09	7.17	0.32	21.2	4.55	0.01	1319	66.4	47.7	8.21
Zarnitsa	gr783	42.1	0.00	20.1	4.67	7.27	0.33	20.6	4.98	0.02	0.06	70.3	29.9	7.95
Zarnitsa	gr784	42.0	0.38	19.9	4.33	7.61	0.26	20.5	5.05	0.02	2278	70.8	15.8	9.88
Zarnitsa	gr785	41.8	0.40	21.3	2.84	7.00	0.29	21.5	4.11	0.06	2398	36.8	15.1	10.9
Zarnitsa	gr786	41.7	0.56	19.2	5.75	6.64	0.35	21.0	4.79	0.07	3357	120	56.2	12.1
Zarnitsa	gr787	42.0	0.90	18.5	5.20	7.09	0.21	20.9	5.14	0.05	5396	129	26.2	10.9
Zarnitsa	gr788	42.4	0.67	20.6	4.72	7.53	0.35	21.1	4.72	0.05	4017	80.3	14.8	10.7
Zarnitsa	gr789	41.7	0.17	19.5	5.29	4.58	0.30	20.3	5.29	0.01	1019	58.7	23.8	7.18
Zarnitsa	gr790	41.6	0.20	20.8	3.61	10.7	0.42	18.7	4.19	0.05	1199	18.9	23.9	13.3

Zarnitsa	gr791	41.7	0.49	19.1	5.79	6.68	0.33	20.9	4.24	0.06	2938	58.7	16.3	12.6
Zarnitsa	gr792	42.0	0.34	20.5	3.82	7.65	0.34	20.7	3.95	0.05	2038	109	429	13.4
Zarnitsa	gr793	41.5	0.60	18.0	6.76	7.29	0.28	20.3	5.09	0.07	3597	123	114	6.64
Zarnitsa	gr794	41.0	0.86	18.9	4.29	6.60	0.34	20.8	4.29	0.10	5156	65.5	13.5	14.0
Zarnitsa	gr795	41.7	0.46	18.7	6.49	7.28	0.45	20.4	4.67	0.06	2758	53.3	16.9	5.30
Zarnitsa	gr796	40.9	0.85	15.9	8.58	7.96	0.42	19.2	5.16	0.05	5096	85.4	147	10.8
Zarnitsa	gr797	41.8	0.23	19.9	5.11	6.30	0.31	21.6	3.50	0.05	1379	53.4	69.1	5.42
Zarnitsa	gr798	42.3	0.17	19.6	5.89	6.07	0.36	21.4	4.40	0.06	1019	61.0	17.0	11.4
Zarnitsa	gr799	42.0	0.43	18.7	6.54	7.14	0.41	20.4	4.55	0.08	2578	81.3	21.9	4.05
Zarnitsa	gr800	42.0	0.89	18.9	5.24	6.68	0.36	20.9	4.42	0.11	5336	61.6	13.0	17.5
Zarnitsa	gr801	41.0	0.61	17.6	7.30	7.76	0.35	19.5	5.09	0.09	3657	84.9	48.3	12.2
Zarnitsa	gr802	42.2	0.16	19.3	5.79	6.13	0.28	21.2	4.49	0.04	959	110	142	9.21
Zarnitsa	gr803	41.2	0.50	17.6	7.60	7.09	0.44	19.4	5.31	0.08	2998	46.6	16.3	5.49
Zarnitsa	gr804	41.6	0.31	20.1	4.63	8.06	0.33	20.1	3.98	0.04	1858	177	186	3.79
Zarnitsa	gr805	42.3	0.06	19.0	6.08	7.25	0.38	19.8	5.21	0.02	360	65.0	16.1	11.3
Zarnitsa	gr806	41.0	0.28	19.1	5.89	9.41	0.45	18.8	4.91	0.04	1679	77.5	56.7	7.81
Zarnitsa	gr807	41.3	0.82	18.9	5.10	6.94	0.35	20.7	4.33	0.13	4916	116	206	12.8
Zarnitsa	gr808	41.5	0.83	18.1	5.84	7.07	0.29	20.9	5.10	0.05	4976	64.9	15.4	9.66
Zarnitsa	gr809	42.5	0.47	20.8	2.33	8.11	0.32	21.9	4.17	0.08	2818	90.1	16.1	14.9
Zarnitsa	gr810	42.1	0.54	21.2	1.79	9.12	0.37	21.1	4.12	0.05	3237	54.1	15.8	16.2
Zarnitsa	gr811	42.1	0.61	20.1	2.86	8.28	0.26	21.5	4.58	0.07	3657	96.7	17.0	13.9
Zarnitsa	gr812	41.7	0.84	18.4	5.31	7.02	0.25	21.3	5.05	0.12	5036	75.4	12.7	14.8
Zarnitsa	gr813	41.8	0.82	19.5	3.70	7.78	0.27	21.1	5.00	0.10	4916	90.4	13.9	11.6
Zarnitsa	gr814	41.6	0.11	16.9	8.47	6.85	0.22	22.1	3.31	0.08	659	59.8	9.57	8.44
Zarnitsa	gr815	41.6	0.09	17.7	7.70	7.46	0.28	21.3	4.19		540	39.6	11.7	5.85
Zarnitsa	gr816	41.4	0.22	15.9	9.29	6.42	0.21	20.2	5.96	0.04	1319	55.9	13.7	14.9
Zarnitsa	gr817	42.2	0.34	19.1	5.38	6.66	0.26	21.6	4.73	0.05	2038	61.8	13.2	10.6
Zarnitsa	gr818	41.4	0.10	15.3	10.5	7.35	0.20	20.6	4.59	0.03	600	56.8	12.0	10.0
Zarnitsa	gr819	42.2	0.20	18.9	5.53	6.15	0.16	22.3	4.33	0.04	1199	63.3	10.1	11.5
Zarnitsa	gr820	42.2	0.45	20.3	3.12	7.91	0.38	21.3	4.39	0.09	2698	55.1	12.5	15.1
Zarnitsa	gr821	42.2	0.49	20.7	2.31	8.50	0.35	21.3	4.30	0.05	2938	64.6	15.2	14.3
Zarnitsa	gr822	42.3	0.32	20.1	4.40	7.37	0.32	21.8	4.20	0.07	1918	54.3	12.4	10.9
Zarnitsa	gr823	42.4	0.66	21.0	1.70	8.21	0.30	21.2	4.15	0.08	3957	89.0	15.1	16.9
Zarnitsa	gr824	42.1	0.34	19.9	3.09	7.56	0.37	21.4	4.38	0.07	2038	88.0	13.1	13.9
Zarnitsa	gr825	41.8	0.65	17.4	6.40	6.96	0.18	20.2	5.35	0.08	3897	89.2	13.4	7.66
Zarnitsa	gr826	41.9	0.23	17.7	6.81	6.71	0.23	20.7	4.94	0.07	1379	68.0	10.7	12.7

Zarnitsa	gr827	42.5	0.87	19.3	2.73	8.43	0.25	20.7	4.62	0.05	5216	108	20.1	15.2
Zarnitsa	gr828	42.6	0.22	21.5	2.20	7.80	0.31	21.2	4.28	0.05	1319	60.7	10.7	12.0
Zarnitsa	gr829	42.1	0.32	19.0	5.51	7.38	0.29	20.9	4.95	0.05	1918	54.4	14.2	12.1
Zarnitsa	gr830	42.3	0.57	20.3	2.75	7.64	0.23	20.9	4.84	0.07	3417	80.7	15.4	12.8
Zarnitsa	gr831	41.5	0.17	16.3	9.30	7.02	0.30	21.1	3.72	0.05	1019	57.7	13.4	7.54
Zarnitsa	gr832	42.5	0.98	20.1	1.28	8.25	0.23	21.7	4.54	0.06	5875	145	19.8	13.3
Zarnitsa	gr833	42.4	0.63	20.5	2.54	7.86	0.21	20.8	4.79	0.06	3777	612	14.3	12.5
Zarnitsa	gr834	42.0	0.28	18.5	6.28	6.57	0.20	22.0	3.87	0.04	1679	61.8	11.6	11.1
Zarnitsa	gr835	42.4	0.47	20.6	2.55	8.01	0.31	20.8	4.39	0.07	2818	81.5	16.1	13.0
Zarnitsa	gr836	41.5	0.55	20.7	1.36	11.4	0.39	19.1	4.37	0.06	3297	20.2	18.0	15.3
Zarnitsa	gr837	42.5	0.76	20.8	1.73	8.35	0.25	21.4	4.48	0.05	4556	88.2	13.6	15.4
Zarnitsa	gr838	40.9	0.60	19.9	2.28	11.3	0.46	18.3	5.30	0.04	3597	18.2	18.2	16.6
Zarnitsa	gr839	41.3	0.16	16.9	7.82	7.78	0.27	19.7	5.99	0.05	959	68.9	12.5	9.64
Zarnitsa	gr840	41.4	0.65	20.8	1.07	12.0	0.42	18.8	4.77	0.07	3897	23.9	16.4	19.5
Zarnitsa	gr841	41.5	0.69	20.7	0.91	11.3	0.36	18.5	4.93	0.07	4137	30.8	20.9	22.5
Zarnitsa	gr842	42.0	0.32	18.3	6.10	7.66	0.23	20.8	4.35	0.07	1918	51.9	12.6	11.3
Zarnitsa	gr843	42.2	0.60	20.0	3.08	7.78	0.26	21.1	4.52	0.05	3597	90.7	12.7	13.0
Zarnitsa	gr844	42.1	1.09	20.1	1.60	9.93	0.33	19.9	4.75	0.11	6535	63.7	18.6	16.5
Zarnitsa	gr845	42.4	0.97	19.2	2.75	9.17	0.22	20.7	4.98	0.09	5815	103	17.3	16.3
Zarnitsa	gr846	41.8	0.26	18.8	5.26	7.01	0.33	21.5	4.19	0.03	1559	57.9	12.2	10.8
Zarnitsa	gr847	41.8	0.69	18.1	5.46	8.14	0.31	20.1	5.02	0.05	4137	61.1	15.5	11.7
Zarnitsa	gr848	41.2	0.60	16.7	7.50	7.39	0.19	20.0	5.75	0.02	3597	93.5	55.7	11.1
Zarnitsa	gr849	41.2	0.50	16.8	7.38	7.17	0.30	20.0	5.78	0.06	2998	76.0	12.6	11.4
Zarnitsa	gr850	41.7	0.39	18.2	6.43	7.02	0.19	21.0	4.47	0.04	2338	63.7	10.4	12.5
Zarnitsa	gr851	42.0	0.36	19.3	4.42	7.85	0.29	20.1	4.85	0.10	2158	46.0	13.6	9.29
Zarnitsa	gr852	42.1	0.31	19.2	4.95	6.78	0.33	21.2	4.86	0.05	1858	63.1	11.7	12.6
Zarnitsa	gr854	42.1	0.15	20.6	3.85	8.61	0.41	19.7	5.00	0.02	899	24.4	12.1	11.1
Zarnitsa	gr855	41.7	0.94	17.3	5.71	7.92	0.13	20.2	5.44	0.09	5635	114	16.2	13.7
Zarnitsa	gr856	41.8	1.21	20.0	0.84	11.3	0.33	19.7	4.51	0.10	7254	73.4	21.0	19.1
Zarnitsa	gr857	42.7	1.02	19.8	1.72	8.63	0.22	21.2	4.46	0.06	6115	148	21.3	14.7
Zarnitsa	gr858	41.9	0.40	19.2	4.46	7.65	0.16	20.5	5.36	0.04	2398	85.7	13.3	9.87
Zarnitsa	gr859	40.8	0.87	15.1	9.29	7.86	0.27	18.3	6.84	0.07	5216	77.9	14.7	9.76
Zarnitsa	gr860	42.2	1.07	19.6	2.27	9.28	0.29	20.5	4.60	0.09	6415	103	18.4	16.7
Zarnitsa	gr861	41.6	0.17	18.8	5.90	7.94	0.42	19.5	5.60	0.04	1019	20.5	8.40	10.4
Zarnitsa	gr862	42.5	0.34	20.4	3.60	7.57	0.38	21.0	4.16	0.07	2038	54.4	12.5	14.9
Zarnitsa	gr863	41.8	1.36	20.0	0.94	11.6	0.34	19.2	4.73	0.12	8153	63.9	21.3	20.8

Zarnitsa	gr864	41.4	0.41	18.6	5.22	8.01	0.34	19.9	5.11	0.03	2458	41.0	15.7	9.81
Zarnitsa	gr865	42.4	0.66	20.9	1.95	8.05	0.24	21.4	4.28	0.06	3957	86.0	14.0	15.8
Zarnitsa	gr866	41.6	0.21	18.2	5.92	7.15	0.19	20.6	5.10	0.05	1259	56.0	12.1	12.3
Zarnitsa	gr867	41.8	1.13	19.6	1.87	10.2	0.32	20.0	4.79	0.08	6774	71.0	16.0	18.2

Alakit Field

	sample	grain	SiO ₂	TiO ₂	Al ₂ O ₃	Cr ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	Ti	Ni	Zn	Ga
Komsomol	gr12	41.9	0.12	18.6	6.66	7.43	0.31	21.5	3.99	0.05	719	23.1	10.7	5.30	
Komsomol	gr13	41.7	0.42	18.6	5.15	7.17	0.34	21.3	5.07	0.06	2518	58.5	11.9	13.0	
Komsomol	gr14	41.5	0.18	21.0	2.48	10.2	0.41	19.4	4.64	0.04	1079	67.8	18.4	15.7	
Komsomol	gr15	41.7	0.00	16.5	9.75	7.34	0.15	22.6	2.12	0.04		49.6	22.0	10.0	
Komsomol	gr16	41.8	0.19	17.8	7.11	7.47	0.36	20.8	4.75	0.06	1139	60.1	15.3	14.5	
Komsomol	gr18	40.9	0.64	15.7	8.64	7.68	0.23	19.4	6.23	0.06	3837	70.3	12.6	12.4	
Komsomol	gr19	41.8	0.42	19.7	3.90	7.20	0.36	21.4	4.46	0.07	2518	44.5	11.2	13.5	
Komsomol	gr20	40.9	0.21	18.1	6.51	8.13	0.41	18.6	6.96	0.04	1259	26.7	11.3	7.75	
Komsomol	gr21	42.6	0.71	20.1	2.05	8.28	0.29	21.4	4.54	0.08	4256	127	20.8	9.07	
Komsomol	gr22	40.7	0.17	16.0	9.30	8.87	0.45	17.2	7.79	0.04	1019	30.4	11.4	16.8	
Komsomol	gr23	42.6	0.36	21.3	1.25	9.62	0.17	21.2	4.23	0.09	2158	95.3	21.5	13.9	
Komsomol	gr24	41.5	0.00	19.5	5.33	8.41	0.33	20.0	4.91	0.01	0.06	14.5	9.26	3.24	
Komsomol	gr25	41.9	0.58	20.5	2.46	8.20	0.19	21.9	4.28	0.10	3477	71.0	14.7	16.5	
Komsomol	gr27	41.4	0.09	19.4	3.76	11.2	0.39	19.3	4.37		540	28.3	13.9	16.1	
Komsomol	gr28	41.8	0.00	19.1	4.79	7.85	0.39	19.7	4.80			17.9	7.13	3.15	
Komsomol	gr29	41.9	0.00	18.3	6.81	6.84	0.25	22.4	2.56			30.0	6.75	4.98	
Komsomol	gr30	41.8	0.88	20.7	1.41	11.5	0.28	18.9	4.61	0.06	5276	19.6	23.5	16.8	
Komsomol	gr31	41.8	0.00	17.5	8.34	7.08	0.23	21.5	3.66			36.7	11.6	5.11	
Komsomol	gr32	41.1	0.33	22.6	0.13	14.3	0.25	17.3	3.83		1978	33.7	30.8	15.1	
Komsomol	gr33	42.6	0.59	20.8	1.73	8.12	0.14	21.2	3.99		3537	79.4	16.6	14.8	
Komsomol	gr35	42.8	0.81	19.2	1.96	7.78	0.14	21.9	4.49	0.07	4856	129	19.3	12.8	
Komsomol	gr36	42.2	0.06	17.3	7.94	7.51	0.24	22.5	2.05		360	39.8	14.5	4.11	
Komsomol	gr38	42.9	0.64	20.3	1.75	7.84	0.15	22.0	4.04		3837	120	16.4	17.5	
Komsomol	gr39	40.9	0.25	12.2	13.5	6.70	0.29	19.5	5.68		1499	39.8	8.84	14.6	
Komsomol	gr40	41.6	0.76	18.4	4.70	7.28	0.20	21.0	5.30		4556	95.1	12.6	8.80	
Komsomol	gr41	41.7	0.59	19.7	3.80	7.95	0.26	21.1	4.56	0.07	3537	83.5	14.4	14.5	
Komsomol	gr42	42.0	0.11	18.7	6.17	7.57	0.28	20.7	5.11	0.04	659	36.7	8.84	7.10	
Komsomol	gr43	41.2	0.20	17.9	6.77	8.16	0.42	19.6	5.33	0.04	1199	27.0	11.7	9.34	
Komsomol	gr45	41.0	0.16	15.0	10.8	7.09	0.35	20.2	4.81	0.05	959	33.0	11.4	3.93	

Komsomol	gr47	42.1	0.40	20.8	2.91	7.86	0.35	21.3	4.41	0.06	2398	36.3	11.3	11.9
Komsomol	gr48	41.9	0.42	20.7	2.84	7.83	0.28	21.2	4.41	0.07	2518	43.2	11.6	12.0
Komsomol	gr49	41.7	0.23	19.3	5.26	6.70	0.26	21.4	4.52	0.06	1379	57.9	11.1	11.9
Komsomol	gr50	41.7	1.09	18.9	2.64	9.28	0.27	20.8	4.84	0.08	6535	79.8	17.3	10.2
Komsomol	gr51	40.8	0.09	14.4	11.9	6.16	0.17	21.9	3.37	0.04	540	38.4	11.7	6.39
Komsomol	gr52	41.5	0.30	19.8	2.93	7.00	0.23	17.2	10.9	0.07	1799	74.0	10.1	9.13
Komsomol	gr53	41.7	0.55	19.3	3.71	9.64	0.36	19.6	4.68	0.09	3297	48.5	13.9	13.2
Komsomol	gr54	42.3	0.42	21.0	1.78	9.67	0.38	20.6	4.34	0.06	2518	55.4	22.9	15.3
Komsomol	gr55	41.3	0.10	17.9	6.66	8.03	0.37	19.7	5.17	0.04	600	24.7	19.4	7.02
Komsomol	gr56	42.0	0.42	19.5	4.08	7.66	0.26	21.4	4.69	0.08	2518	75.1	17.9	14.2
Komsomol	gr57	40.7	0.62	15.7	8.22	7.85	0.46	16.5	9.20	0.10	3717	32.5	17.8	11.1
Komsomol	gr58	41.3	0.30	17.6	6.74	8.32	0.40	19.7	5.22	0.08	1799	57.7	20.3	7.43
Komsomol	gr59	41.9	0.73	19.2	3.81	9.03	0.35	21.0	4.29	0.16	4376	69.6	17.2	13.6
Komsomol	gr60	41.9	0.85	21.5	0.19	10.5	0.19	18.0	0.08		5096	46.3	42.3	11.2
Sytykan	gr204	40.8	0.21	16.8	8.59	7.26	0.36	20.4	4.49		1259	35.4	9.82	3.29
Sytykan	gr205	41.1	0.48	20.6	3.45	7.33	0.29	20.5	4.67		2878	29.2	12.2	12.3
Sytykan	gr206	41.1	0.02	20.7	3.76	8.44	0.37	20.7	5.56		120	8.80	9.34	6.02
Sytykan	gr207	41.2	0.17	21.6	2.09	8.70	0.32	20.4	4.12		1019	31.1	12.2	6.16
Sytykan	gr208	40.5	0.51	18.8	4.54	9.63	0.38	17.5	6.48		3057	40.4	15.7	14.5
Sytykan	gr209	40.5	0.13	18.9	5.97	8.23	0.37	18.7	5.78		779	17.7	11.9	8.44
Sytykan	gr210	41.0	0.05	17.1	8.68	6.79	0.33	20.8	3.91		300	36.8	10.5	7.15
Sytykan	gr211	40.5	0.07	20.3	4.09	7.09	0.27	21.1	3.29		420	24.6	10.7	4.21
Sytykan	gr212	40.8	0.07	15.5	10.1	7.18	0.35	18.2	6.94		420	26.7	11.2	8.83
Sytykan	gr213	40.0	0.07	19.1	5.43	8.47	0.38	18.5	5.85		420	15.3	9.38	5.23
Sytykan	gr214	41.1	0.16	21.2	3.38	7.93	0.33	19.7	5.25		959	13.7	9.74	7.38
Sytykan	gr215	39.9	0.35	16.5	7.68	9.17	0.38	15.7	9.02		2098	26.6	10.1	15.4
Sytykan	gr216	41.1	0.08	20.6	3.94	7.68	0.30	19.4	5.39		480	17.3	12.4	7.66
Sytykan	gr217	40.8	0.28	17.3	7.59	6.82	0.30	19.6	5.93		1679	46.9	14.0	6.52
Sytykan	gr218	40.8	0.21	17.1	8.48	7.29	0.32	20.3	4.56		1259	39.4	14.9	2.54
Sytykan	gr219	40.0	0.72	15.1	9.39	6.94	0.25	19.0	6.49		4316	92.9	14.4	7.84
Sytykan	gr220	40.5	0.11	15.8	9.71	7.38	0.32	18.8	5.80		659	33.2	11.5	7.86
Sytykan	gr221	39.9	0.14	19.2	4.57	11.7	0.38	15.6	6.72		839	13.0	13.8	13.6
Sytykan	gr222	40.6	0.22	16.9	8.23	7.25	0.33	20.0	4.67		1319	39.8	10.1	5.47
Sytykan	gr223	41.0	0.26	17.5	7.52	7.21	0.29	20.2	4.75		1559	39.7	11.2	4.49
Sytykan	gr224	40.6	0.20	17.1	8.45	7.06	0.30	20.0	4.81		1199	36.6	11.1	5.75
Sytykan	gr225	40.6	0.16	17.6	7.64	7.19	0.29	19.8	4.86		959	41.5	13.3	5.03

Sytykan	gr226	39.3	0.20	16.3	8.34	7.12	0.33	19.8	4.57		1199	36.0	10.2	3.82
Sytykan	gr227	40.1	0.07	19.2	4.98	7.42	0.38	19.7	4.17		420	17.1	10.4	3.59
Sytykan	gr228	39.1	0.63	15.8	7.55	9.45	0.38	15.1	9.37		3777	24.6	15.7	19.5
Sytykan	gr229	39.6	0.05	18.6	5.95	7.69	0.32	19.7	4.26		300	15.3	10.3	2.73
Sytykan	gr230	40.5	0.46	17.9	6.08	6.91	0.25	19.4	5.57		2758	65.4	12.6	9.27
Sytykan	gr231	41.2	0.02	20.6	3.77	5.53	0.21	23.8	0.78		120	36.5	7.63	4.27
Sytykan	gr232	40.5	0.35	18.9	4.79	7.36	0.24	19.7	5.18		2098	67.1	13.8	13.8
Sytykan	gr233	38.9	0.10	17.5	6.87	7.11	0.32	18.5	6.05		600	37.3	12.5	8.05
Sytykan	gr234	41.3	0.02	18.1	7.31	7.03	0.27	22.0	1.63		120	44.9	16.8	4.83
Sytykan	gr235	40.4	0.06	16.1	9.30	6.66	0.31	21.0	2.83		360	32.7	9.79	7.30
Sytykan	gr236	40.7	0.29	18.4	6.61	7.13	0.33	19.6	5.05		1739	25.7	12.7	8.44
Sytykan	gr237	41.4	0.19	17.2	8.21	7.29	0.29	19.9	4.50		1139	33.5	8.58	4.52
Sytykan	gr238	40.5	0.34	17.2	7.56	9.66	0.30	18.0	5.31		2038	15.2	22.9	10.4
Sytykan	gr239	41.3	0.03	19.5	5.31	7.13	0.26	19.5	5.22		180	42.7	12.6	8.58
Sytykan	gr240	40.6	0.16	18.8	5.03	7.50	0.33	19.1	5.44		959	29.3	12.2	13.0
Sytykan	gr241	41.2	0.18	18.0	7.23	6.90	0.34	20.5	3.87		1079	31.9	9.26	4.24
Sytykan	gr242	41.5	0.15	21.2	3.16	8.67	0.32	18.9	5.11		899	8.37	11.4	8.41
Sytykan	gr243	40.4	0.73	15.2	9.45	6.62	0.25	18.8	6.50		4376	91.4	12.2	8.12
Sytykan	gr244	41.3	0.21	16.9	8.33	7.13	0.31	20.0	4.35		1259	36.2	10.4	3.52
Sytykan	gr245	41.2	0.20	15.7	9.85	6.73	0.51	20.3	5.05	0.05	1199	26.4	11.0	5.65
Sytykan	gr246	41.3	0.07	15.3	10.7	6.75	0.50	21.8	3.18	0.03	420	36.2	10.1	2.78
Sytykan	gr247	40.8	0.27	15.7	9.40	8.92	0.59	18.7	5.93	0.09	1619	13.4	15.0	9.70
Sytykan	gr248	42.2	0.85	20.1	2.72	5.23	0.18	22.3	6.32	0.05	5096	177	9.64	27.9
Sytykan	gr249	40.6	0.21	15.1	10.3	6.59	0.44	20.7	4.81	0.06	1259	27.8	10.0	3.91
Sytykan	gr250	40.4	0.46	15.1	9.78	6.66	0.50	17.6	8.57	0.09	2758	33.8	13.8	14.3
Sytykan	gr251	40.2	0.38	13.8	11.6	6.59	0.46	19.3	6.62	0.10	2278	29.4	13.9	5.67
Sytykan	gr252	41.2	0.13	18.7	5.80	7.31	0.44	21.1	4.28	0.04	779	70.4	13.7	4.49
Sytykan	gr253	40.7	0.09	15.9	9.62	8.39	0.52	20.0	3.80	0.05	540	24.2	14.5	4.82
Sytykan	gr254	40.0	0.54	15.8	8.32	9.59	0.57	15.7	9.09	0.11	3237	22.6	17.4	14.8
Sytykan	gr255	40.2	0.38	15.2	9.27	9.53	0.57	16.5	7.45	0.10	2278	51.8	15.6	10.4
Sytykan	gr256	41.8	0.04	20.1	4.22	7.30	0.48	21.3	4.63	0.03	240	29.3	9.34	3.67
Sytykan	gr257	41.1	0.05	18.5	5.97	7.46	0.50	20.6	5.22	0.06	300	13.2	7.14	5.08
Sytykan	gr258	41.5	1.39	21.0	0.97	9.22	0.32	22.0	3.32	0.05	8333	37.7	12.3	13.6
Sytykan	gr259	41.5	0.05	19.5	5.19	7.34	0.49	21.0	4.96	0.05	300	21.1	9.03	1.70
Sytykan	gr260	41.3	0.19	17.0	8.52	7.59	0.49	21.5	3.60	0.06	1139	31.6	11.0	5.35
Sytykan	gr261	40.9	0.42	17.7	6.36	8.71	0.51	18.6	6.63	0.10	2518	41.3	19.7	8.48

Sytykan	gr262	41.4	0.11	15.3	11.3	6.90	0.35	20.7	3.97	0.03	659	39.3	10.7	5.24
Sytykan	gr263	41.5	0.01	19.0	6.01	7.92	0.36	20.4	3.88	0.02	60.0	18.3	13.1	3.39
Sytykan	gr264	41.0	0.12	15.0	11.8	7.08	0.33	21.2	3.32	0.03	719	26.2	9.29	4.44
Sytykan	gr265	39.9	0.70	14.4	9.46	7.15	0.57	15.4	11.8	0.09	4197	51.7	16.0	16.0
Sytykan	gr266	40.4	0.54	15.9	8.34	6.97	0.54	16.8	10.0	0.09	3237	37.4	10.0	17.3
Sytykan	gr267	41.1	0.33	15.4	10.8	6.93	0.36	19.4	5.64	0.05	1978	39.9	11.2	6.75
Sytykan	gr268	40.0	0.50	14.2	10.3	6.98	0.59	17.0	9.50	0.09	2998	40.3	9.97	11.2
Sytykan	gr269	40.9	0.52	15.4	10.0	7.14	0.36	17.5	8.18	0.09	3117	37.7	14.5	10.0
Sytykan	gr270	40.5	0.56	15.7	9.10	7.79	0.39	16.9	8.85	0.11	3357	40.1	10.3	14.5
Sytykan	gr271	40.5	0.26	16.0	9.09	7.09	0.50	20.2	5.47	0.10	1559	36.9	15.5	9.35
Sytykan	gr272	41.1	0.33	15.4	10.8	6.93	0.36	19.4	5.64	0.05	1978	32.1	10.8	6.47
Sytykan	gr273	40.0	0.50	14.2	10.3	6.98	0.59	17.0	9.50	0.09	2998	43.2	11.1	11.2
Sytykan	gr274	40.9	0.52	15.4	10.0	7.14	0.36	17.5	8.18	0.09	3117	39.2	13.5	11.4
Sytykan	gr275	39.5	0.51	16.5	7.27	10.2	0.60	16.2	8.56	0.12	3057	23.8	13.8	15.2
Sytykan	gr276	39.6	0.21	16.0	8.22	8.59	0.57	16.7	8.94	0.12	1259	19.9	14.9	6.79
Sytykan	gr277	39.7	0.46	16.0	8.22	8.59	0.57	16.7	8.94	0.12	2758	65.6	18.2	12.8
Sytykan	gr278	39.5	0.35	15.6	8.64	9.84	0.64	17.1	7.45	0.10	2098	21.8	15.4	10.5
Sytykan	gr279	40.2	0.48	15.7	9.47	10.1	0.44	15.8	8.08	0.09	2878	16.4	12.8	11.6
Sytykan	gr280	41.3	0.31	16.9	8.56	8.25	0.38	19.7	4.52	0.06	1858	32.2	9.63	5.54
Sytykan	gr281	41.0	0.02	17.2	8.45	7.41	0.51	22.7	1.86	0.04	120	29.9	9.41	4.05
Sytykan	gr282	40.9	0.24	17.3	7.51	7.93	0.51	20.8	4.40	0.10	1439	33.3	11.2	7.31
Sytykan	gr283	42.1	0.59	21.3	1.79	5.25	0.17	23.2	4.83	0.05	3537	213	11.9	25.1
Sytykan	gr285	41.5	0.07	18.7	6.22	7.84	0.38	19.7	5.11	0.04	420	27.4	9.53	4.32
Sytykan	gr286	40.7	0.02	18.3	6.60	7.58	0.56	19.8	5.56	0.04	120	13.7	7.63	4.06
Sytykan	gr287	39.7	0.36	15.7	8.93	8.62	0.62	18.1	7.63	0.12	2158	28.1	14.4	9.88
Svetlaya	gr288	42.1	0.71	19.7	3.34	9.05	0.35	20.5	4.90	0.06	4256	63.6	34.9	13.1
Svetlaya	gr289	42.2	0.69	19.8	3.31	9.10	0.32	20.6	4.86	0.08	4137	62.3	25.7	13.5
Svetlaya	gr290	42.3	0.25	21.0	3.09	7.84	0.32	21.2	4.60	0.07	1499	61.2	28.9	10.5
Svetlaya	gr291	42.3	0.25	21.1	3.06	7.56	0.37	21.3	4.85	0.08	1499	49.6	22.1	12.4
Svetlaya	gr292	41.4	0.60	19.1	5.63	7.70	0.25	20.5	5.49	0.12	3597	50.7	24.1	14.0
Svetlaya	gr293	41.9	0.56	19.0	5.51	7.59	0.26	21.2	5.10	0.12	3357	56.0	25.9	11.9
Svetlaya	gr294	41.7	0.20	20.9	3.36	8.87	0.42	20.1	4.98	0.04	1199	16.8	20.4	10.5
Svetlaya	gr295	42.1	0.20	21.0	3.45	8.81	0.34	20.1	5.05	0.03	1199	16.9	17.3	10.4
Svetlaya	gr296	42.1	0.32	18.2	6.61	7.09	0.20	22.1	3.88	0.07	1918	52.7	29.0	4.67
Svetlaya	gr297	41.9	0.41	18.5	6.55	6.88	0.28	21.7	4.12	0.08	2458	55.5	20.2	5.25
Svetlaya	gr298	41.6	0.23	17.4	7.79	6.80	0.25	20.8	5.51	0.02	1379	64.5	74.5	6.39

Svetlaya	gr299	41.3	0.25	17.4	8.13	7.04	0.31	20.7	5.36	0.03	1499	50.4	25.5	10.0
Svetlaya	gr300	41.4	0.33	17.9	6.18	9.35	0.19	19.2	5.32	0.06	1978	54.3	27.7	14.6
Svetlaya	gr301	41.2	0.37	17.6	6.81	9.73	0.15	19.3	5.26	0.06	2218	55.4	29.2	14.7
Svetlaya	gr302	41.8	0.52	18.6	6.43	7.36	0.25	21.7	4.43	0.10	3117	54.2	21.9	6.20
Svetlaya	gr303	41.6	0.47	18.1	6.84	7.18	0.28	21.5	4.32	0.08	2818	51.8	22.9	6.12
Svetlaya	gr304	41.7	0.15	20.9	3.47	8.82	0.37	20.0	5.10	0.03	899	16.9	21.4	9.87
Svetlaya	gr305	41.9	0.17	21.1	3.38	8.96	0.46	20.1	5.07	0.04	1019	32.9	35.4	8.39
Svetlaya	gr306	41.5	0.12	20.0	4.36	8.61	0.41	19.9	5.48	0.01	719	11.8	19.4	11.2
Svetlaya	gr307	41.7	0.15	20.3	4.10	8.72	0.43	20.0	5.23	0.02	899	10.4	154	7.37
Svetlaya	gr308	41.9	0.05	20.6	3.95	8.90	0.39	19.3	5.48	0.02	300	12.6	29.0	7.23
Svetlaya	gr309	41.8	0.07	20.4	3.69	9.10	0.38	19.4	5.50		420	13.2	27.7	6.14
Svetlaya	gr310	42.0	0.03	21.4	3.07	7.92	0.33	20.3	5.85		180	28.1	17.5	3.96
Svetlaya	gr311	42.2	0.00	21.5	3.25	7.39	0.22	20.2	5.85			27.2	61.2	2.68
Svetlaya	gr312	42.3	0.03	21.3	3.31	7.40	0.35	20.1	5.87	0.04	180	15.9	18.1	3.42
Svetlaya	gr313	41.8	0.04	21.2	3.52	7.74	0.37	20.2	5.71	0.03	240	23.2	18.0	4.38
Svetlaya	gr314	42.2	0.00	21.0	3.92	7.42	0.33	20.0	5.98			18.7	26.1	2.73
Svetlaya	gr315	41.5	0.00	2.98	3.65	7.69	0.40	20.1	5.95	0.01		15.0	21.2	4.51
Svetlaya	gr316	41.7	0.10	19.0	6.32	8.07	0.36	19.3	5.88	0.03	600	16.8	18.1	7.53
Svetlaya	gr317	41.5	0.09	19.1	6.13	8.27	0.50	19.5	5.70	0.03	540	18.8	27.0	6.71
Svetlaya	gr318	42.0	0.04	19.8	5.15	7.94	0.43	21.5	3.48	0.01	240	9.62	20.9	3.34
Svetlaya	gr319	42.0	0.03	19.9	5.18	7.73	0.35	21.7	3.51	0.01	180	15.9	17.7	4.43
Svetlaya	gr320	41.9	0.01	19.7	5.20	7.60	0.30	21.0	4.45	0.03	60.0	12.4	17.6	3.21
Svetlaya	gr321	41.2	0.04	19.5	5.45	7.45	0.43	20.9	4.57	0.04	240	15.7	15.8	3.13
Svetlaya	gr322	40.2	0.47	13.9	11.2	8.57	0.34	17.2	7.57	0.08	2818	75.1	114	12.2
Svetlaya	gr323	40.1	0.36	13.5	12.1	8.52	0.26	16.9	8.36	0.08	2158	54.9	155	12.9
Svetlaya	gr324	41.2	0.14	19.3	5.46	8.45	0.44	19.5	5.47	0.03	839	12.3	17.1	5.83
Svetlaya	gr325	41.4	0.28	19.6	5.42	8.66	0.47	19.5	5.53	0.05	1679	16.7	16.8	3.53
Svetlaya	gr326	42.1	0.01	21.1	3.39	8.03	0.42	20.0	5.70	0.01	60.0	14.8	17.0	3.08
Svetlaya	gr327	42.2	0.01	21.0	3.62	7.85	0.31	20.1	5.77	0.02	60.0	13.2	15.6	4.38
Svetlaya	gr328	42.3	0.33	19.2	5.53	6.59	0.30	21.5	4.94	0.04	1978	58.6	18.0	12.3
Svetlaya	gr329	42.0	0.30	19.2	5.44	6.65	0.24	21.5	5.04	0.06	1799	89.2	62.6	13.3
Svetlaya	gr330	41.7	0.04	19.0	6.30	8.27	0.40	20.3	4.80	0.02	240	20.1	16.6	3.67
Svetlaya	gr331	41.9	0.00	19.2	6.13	8.24	0.52	20.4	4.58	0.01		168	24.5	4.28
Svetlaya	gr332	40.6	0.12	19.8	4.16	8.51	0.43	19.0	5.37	0.03	719	15.2	8.76	8.57
Svetlaya	gr333	41.0	0.08	18.6	6.23	8.09	0.34	19.1	5.58	0.02	480	13.2	7.29	6.27
Svetlaya	gr334	41.0	0.05	17.9	7.07	8.69	0.46	17.7	6.78	0.02	300	11.4	7.97	8.90

Svetlaya	gr335	42.1	0.02	19.8	5.28	7.73	0.33	22.0	2.93	0.02	120	19.2	8.88	5.81
Svetlaya	gr336	41.0	0.58	19.0	4.42	9.69	0.35	19.2	5.19	0.01	3477	55.5	22.2	16.8
Svetlaya	gr337	41.1	0.18	19.7	4.58	8.61	0.44	19.4	4.99	0.03	1079	17.7	7.73	9.63
Svetlaya	gr338	41.3	0.65	19.0	4.56	7.52	0.32	20.2	5.15	0.08	3897	60.5	9.56	10.5
Svetlaya	gr339	41.0	0.12	19.4	4.73	8.54	0.39	18.4	5.62	0.02	719	18.1	10.6	9.48
Svetlaya	gr340	41.2	0.00	20.6	3.70	8.51	0.38	18.7	5.81			17.7	10.8	10.5
Svetlaya	gr341	41.4	0.02	20.5	3.62	9.02	0.45	18.7	5.78	0.01	120	13.3	8.30	3.98
Svetlaya	gr342	41.5	0.00	20.4	4.14	8.27	0.33	19.1	5.72	0.01	0.06	11.1	6.77	5.30
Svetlaya	gr343	41.1	0.03	20.1	3.69	8.66	0.41	18.4	5.95	0.01	180	6.61	7.88	3.91
Svetlaya	gr344	40.7	0.07	18.7	6.06	7.56	0.30	19.7	5.44	0.03	420	12.1	7.58	4.58
Svetlaya	gr345	41.6	0.13	20.0	4.76	8.17	0.53	19.5	4.76	0.03	779	14.8	9.30	6.67
Svetlaya	gr346	42.2	0.00	20.8	4.32	8.85	0.40	19.5	6.10	0.01	0.06	11.8	7.38	3.63
Svetlaya	gr347	40.8	0.18	18.3	6.47	8.50	0.38	18.6	6.00	0.01	1079	15.0	9.07	7.91
Svetlaya	gr348	40.8	0.09	18.8	5.57	8.43	0.44	18.1	5.82	0.03	540	15.2	9.06	8.28
Svetlaya	gr349	41.3	0.01	18.9	5.89	8.00	0.37	19.5	4.83	0.01	60.0	20.1	9.87	5.28
Svetlaya	gr350	41.3	0.17	21.4	2.06	9.13	0.35	19.7	4.47	0.05	1019	14.8	9.59	10.9
Svetlaya	gr351	41.4	0.31	18.6	6.41	7.55	0.34	20.6	4.19	0.05	1858	47.0	12.5	5.16
Svetlaya	gr352	41.3	0.08	18.8	5.61	8.35	0.44	18.7	6.07	0.02	480	18.0	9.01	7.67
Svetlaya	gr353	41.3	0.15	19.1	5.07	8.59	0.36	18.6	5.88	0.02	899	14.3	10.2	11.2
Svetlaya	gr354	41.2	0.05	19.6	4.95	8.24	0.44	19.1	5.28	0.02	300	28.1	8.73	4.63
Svetlaya	gr355	41.0	0.10	18.9	5.88	8.11	0.40	18.8	5.81	0.03	600	13.6	9.77	6.98
Svetlaya	gr356	40.9	0.06	18.7	5.89	8.50	0.42	18.2	6.04	0.01	360	11.2	10.3	8.75
Svetlaya	gr357	41.7	0.01	20.8	3.26	8.22	0.42	19.7	5.68	0.01	60.0	12.4	7.33	4.48
Svetlaya	gr358	41.2	0.24	19.6	4.96	8.53	0.41	19.2	5.43	0.06	1439	14.6	11.7	10.6
Svetlaya	gr359	42.1	0.49	21.4	1.95	8.59	0.43	20.2	4.64	0.10	2938	53.1	14.1	15.0
Svetlaya	gr360	40.5	0.07	18.7	5.80	8.46	0.38	18.0	6.10	0.02	420	17.9	12.2	9.98
Svetlaya	gr362	41.1	0.62	18.9	4.28	9.39	0.40	18.5	5.62	0.09	3717	48.8	16.7	19.1
Svetlaya	gr363	40.8	0.62	17.9	5.32	9.19	0.37	17.7	6.36	0.10	3717	50.2	16.4	18.5
Svetlaya	gr364	41.1	0.12	19.0	5.63	8.32	0.49	18.5	5.93	0.02	719	18.3	10.5	10.2
Svetlaya	gr365	41.5	0.15	19.8	4.52	8.63	0.49	19.4	5.01	0.03	899	15.5	9.12	14.1
Svetlaya	gr366	41.8	0.02	21.0	3.06	8.08	0.40	19.4	5.68	0.01	120	8.45	7.14	2.19
Svetlaya	gr369	41.2	0.16	18.7	6.51	8.08	0.43	19.0	5.78	0.08	959	16.9	9.59	8.01
Svetlaya	gr370	41.9	0.10	19.8	5.00	8.33	0.47	21.0	3.86	0.03	600	19.5	9.18	3.55
Svetlaya	gr371	41.6	0.07	19.4	5.74	8.25	0.53	19.5	5.74	0.01	420	12.8	11.5	6.66
Svetlaya	gr372	41.8	0.11	19.3	5.91	7.22	0.41	20.2	5.22	0.05	659	16.5	10.7	7.33
Svetlaya	gr373	41.2	0.22	18.4	6.79	8.28	0.43	18.6	6.50	0.06	1319	19.5	13.8	8.30

Svetlaya	gr374	42.3	0.18	21.9	1.99	9.14	0.35	20.3	4.74	0.03	1079	16.0	11.6	11.6
Svetlaya	gr375	42.0	0.20	21.9	2.28	9.12	0.47	20.1	4.48	0.07	1199	18.1	13.0	8.67
Svetlaya	gr376	41.8	0.34	18.7	6.45	6.71	0.23	21.4	4.73	0.09	2038	48.3	12.8	10.2
Svetlaya	gr377	41.9	0.14	21.7	2.47	9.28	0.35	19.9	4.94	0.06	839	16.8	11.9	9.30
Svetlaya	gr378	41.7	0.13	18.1	7.04	7.14	0.26	20.3	5.47	0.05	779	49.9	10.9	9.15
Svetlaya	gr379	41.9	0.01	18.3	7.34	6.83	0.33	21.3	4.58	0.04	60.0	43.7	10.7	5.19
Svetlaya	gr380	41.9	0.06	21.9	2.88	7.98	0.46	19.8	5.96	0.01	360	17.4	8.25	3.09
Svetlaya	gr381	41.7	0.06	21.1	3.44	8.44	0.35	19.3	5.76	0.01	360	15.0	7.68	3.74
Svetlaya	gr382	42.5	0.06	20.7	5.10	7.55	0.42	23.1	1.75	0.02	360	14.5	10.2	5.15
Svetlaya	gr383	41.1	0.01	18.3	7.09	8.31	0.44	19.1	5.91	0.02	60.0	14.8	12.1	4.87
Svetlaya	gr384	41.5	0.15	19.3	5.47	8.71	0.39	19.3	5.38	0.02	899	16.2	10.9	8.45
Svetlaya	gr385	42.0	0.00	21.0	3.79	8.07	0.35	19.7	6.01	0.02	0.06	21.5	10.9	2.26
Svetlaya	gr386	42.1	0.04	21.5	3.48	7.18	0.37	20.3	5.85	0.06	240	18.7	10.1	4.14
Svetlaya	gr387	41.8	0.00	21.1	4.11	7.90	0.41	19.7	6.09			11.1	7.32	3.48
Svetlaya	gr388	41.9	0.02	20.2	5.18	7.68	0.35	21.1	3.66	0.05	120	19.7	10.9	6.79
Yubileynaya	gr389	41.3	0.07	19.4	6.07	7.36	0.45	19.9	5.09	0.01	420	22.4	20.1	4.92
Yubileynaya	gr390	41.4	0.07	19.4	6.16	7.30	0.49	20.1	5.14	0.01	420	12.2	16.6	4.27
Yubileynaya	gr391	40.9	0.34	20.3	4.43	7.27	0.38	20.3	4.69	0.07	2038	37.3	17.6	10.3
Yubileynaya	gr392	39.6	0.40	14.8	10.3	7.74	0.52	16.6	8.66	0.06	2398	31.8	17.6	9.34
Yubileynaya	gr393	40.7	0.08	15.9	10.3	7.44	0.42	20.5	3.84	0.04	480	27.8	20.3	6.09
Yubileynaya	gr394	41.2	0.07	19.1	6.63	7.35	0.46	19.6	5.19	0.02	420	17.6	14.0	5.37
Yubileynaya	gr395	40.2	0.38	16.0	9.68	7.44	0.47	18.5	6.70	0.07	2278	36.0	20.1	11.8
Yubileynaya	gr396	41.0	1.51	18.9	2.65	9.90	0.40	19.2	5.37	0.09	9052	61.7	24.5	18.1
Yubileynaya	gr397	40.6	0.58	18.7	5.80	9.32	0.54	18.1	6.54	0.13	3477	34.9	30.5	15.4
Yubileynaya	gr398	40.5	0.86	15.3	9.16	7.36	0.31	19.4	6.62	0.03	5156	95.6	26.1	15.4
Yubileynaya	gr399	41.5	0.25	20.1	4.49	6.78	0.38	19.7	6.96	0.01	1499	65.5	19.5	5.14
Yubileynaya	gr400	40.7	0.56	18.4	5.95	9.25	0.58	17.9	6.60	0.10	3357	35.7	29.4	13.9
Yubileynaya	gr401	40.6	0.38	15.7	9.63	8.40	0.49	19.0	5.47	0.08	2278	45.2	24.0	12.4
Yubileynaya	gr402	41.0	1.52	18.8	2.83	10.2	0.34	19.2	5.50	0.08	9112	56.0	24.3	20.4
Yubileynaya	gr403	42.0	0.23	20.6	3.49	7.33	0.35	20.9	5.03	0.05	1379	83.7	20.3	10.2
Yubileynaya	gr404	41.2	0.02	18.5	7.70	7.05	0.39	22.2	2.46	0.01	120	44.0	17.8	7.34
Yubileynaya	gr405	40.1	0.09	15.9	10.2	7.66	0.49	20.2	3.81	0.04	540	32.3	19.8	8.52
Yubileynaya	gr406	40.5	0.35	15.6	10.3	8.40	0.46	19.0	5.62	0.07	2098	44.8	18.2	13.1
Yubileynaya	gr407	40.9	0.04	19.2	6.49	7.67	0.53	18.9	6.26	0.02	240	15.8	18.1	3.23
Yubileynaya	gr408	41.8	0.00	18.5	7.89	6.83	0.37	22.2	2.61		0.06	39.3	17.4	6.06
Yubileynaya	gr409	40.2	0.38	15.5	9.94	7.33	0.41	17.9	7.10	0.08	2278	28.9	19.0	10.2

Yubileynaya gr410	40.4	0.26	18.6	6.02	7.30	0.40	19.3	5.92	0.05	1559	32.8	19.6	11.7
Yubileynaya gr411	41.9	0.06	20.2	5.43	6.83	0.37	21.1	4.35	0.05	360	38.8	19.2	5.59
Yubileynaya gr412	40.0	0.33	15.2	9.89	7.69	0.47	16.7	8.57	0.07	1978	35.6	25.7	10.1
Yubileynaya gr413	41.8	0.09	18.2	7.52	7.07	0.36	21.1	4.45	0.04	540	37.8	17.9	8.41
Yubileynaya gr414	41.2	1.54	18.9	2.83	10.1	0.34	19.3	5.48	0.09	9232	60.6	23.0	18.8
Yubileynaya gr416	41.0	0.10	16.1	3.81	7.33	0.46	20.6	3.81	0.07	600	34.6	18.8	7.41
Yubileynaya gr417	40.5	0.37	15.9	9.79	8.40	0.46	18.9	5.50	0.09	2218	39.8	21.6	11.5
Yubileynaya gr418	41.7	0.11	18.7	6.84	7.11	0.34	21.0	4.04	0.04	659	34.2	20.8	6.87
Yubileynaya gr419	39.9	0.36	14.5	10.5	7.83	0.45	16.5	8.77	0.07	2158	41.1	228	5.91
Yubileynaya gr420	40.9	0.54	19.4	4.91	8.93	0.54	18.3	6.28	0.09	3237	36.5	25.2	16.2
Yubileynaya gr421	40.7	0.36	15.7	9.69	8.19	0.53	18.9	5.63	0.06	2158	41.7	25.0	11.3
Yubileynaya gr422	41.2	0.56	18.3	5.81	9.41	0.52	17.8	6.64	0.08	3357	31.0	25.1	14.4
Yubileynaya gr423	40.5	0.39	15.8	9.56	8.10	0.54	18.9	5.60	0.07	2338	35.2	25.0	12.0
Yubileynaya gr424	41.0	0.06	16.1	10.4	7.28	0.44	20.7	3.72	0.03	360	29.5	22.3	8.02
Yubileynaya gr425	40.6	0.13	15.7	10.5	6.79	0.43	19.5	5.45	0.04	779	38.9	20.8	5.13
Yubileynaya gr426	41.2	0.56	19.5	4.61	9.01	0.52	18.5	6.08	0.11	3357	35.5	23.9	15.8
Yubileynaya gr427	41.0	0.88	15.3	8.99	7.13	0.38	19.5	6.54	0.05	5276	57.0	17.5	9.59
Yubileynaya gr428	41.0	0.03	19.1	6.41	7.17	0.41	19.9	5.22	0.04	180	15.5	17.9	3.36
Yubileynaya gr429	41.3	0.20	20.2	4.68	6.72	0.37	20.8	4.37	0.06	1199	34.4	20.5	9.98
Yubileynaya gr430	42.3	0.39	20.5	4.70	7.50	0.43	20.9	4.92	0.08	2338	34.5	22.3	12.0
Yubileynaya gr431	41.0	0.09	16.3	10.2	7.42	0.45	20.6	3.87	0.04	540	33.8	24.9	6.84
Yubileynaya gr432	39.7	0.12	14.8	11.8	6.87	0.40	19.6	5.19	0.02	719	38.2	23.6	5.77
Yubileynaya gr433	40.9	0.55	16.2	10.4	7.46	0.55	20.5	3.84	0.04	3297	23.6	26.1	8.11
Yubileynaya gr434	40.6	0.88	15.3	8.70	7.19	0.26	19.2	6.58	0.01	5276	89.7	25.4	13.9
Yubileynaya gr435	42.1	0.10	20.1	5.27	6.93	0.40	21.3	4.25	0.06	600	39.0	21.9	6.65
Yubileynaya gr436	40.9	0.26	15.9	10.1	7.59	0.57	19.4	5.33	0.06	1559	32.5	25.0	10.7
Yubileynaya gr437	40.2	0.89	15.1	8.83	7.17	0.36	19.4	6.70	0.04	5336	89.2	26.2	13.2
Yubileynaya gr438	41.0	0.08	16.0	3.76	7.31	0.44	20.5	3.76	0.02	480	27.9	23.4	7.25
Yubileynaya gr439	41.3	0.90	15.4	6.60	7.16	0.21	19.5	6.60	0.05	5396	92.4	27.0	15.1
Yubileynaya gr440	41.5	0.26	20.0	6.86	6.63	0.32	19.4	6.86	0.02	1559	66.5	21.4	4.88
Yubileynaya gr443	41.5	0.25	19.0	6.37	7.23	0.41	20.4	4.61	0.03	1499	35.6	21.7	7.26
Yubileynaya gr444	41.4	0.52	19.1	5.27	8.83	0.47	18.1	6.34	0.12	3117	29.5	27.7	15.8
Yubileynaya gr445	41.2	0.08	16.2	10.0	7.40	0.52	20.3	3.91	0.05	480	31.2	22.1	9.27
Yubileynaya gr446	41.0	0.14	15.1	12.0	6.86	0.40	19.9	5.25	0.04	839	39.1	22.3	6.15
Yubileynaya gr447	42.6	0.00	18.8	7.70	7.05	0.40	22.5	2.48	0.01		36.8	19.0	5.43
Yubileynaya gr448	41.0	0.12	16.0	10.4	7.28	0.45	20.1	4.03	0.05	719	32.6	21.0	7.82

Yubileynaya	gr449	41.5	0.08	19.9	5.51	7.96	0.49	19.1	6.01	0.03	480	19.4	20.5	9.23
Yubileynaya	gr450	41.0	0.08	19.7	5.98	5.27	0.47	19.0	5.98	0.03	480	10.1	13.9	4.74
Yubileynaya	gr451	39.5	0.37	13.4	11.9	7.29	0.50	15.8	9.45	0.06	2218	29.2	22.1	9.09
Yubileynaya	gr452	41.4	0.04	19.6	6.42	7.20	0.50	19.9	5.21	0.02	240	20.2	23.7	6.50
Yubileynaya	gr453	41.7	0.04	19.7	6.12	7.17	0.42	20.0	5.16	0.03	240	13.9	16.4	4.12
Yubileynaya	gr454	40.6	0.90	15.3	9.10	7.12	0.30	19.2	6.81	0.05	5396	86.4	25.4	14.4
Yubileynaya	gr455	41.3	0.01	19.3	6.41	7.18	0.38	20.0	4.73	0.03	60.0	18.6	22.2	4.46
Yubileynaya	gr456	40.7	0.86	15.3	8.84	7.01	0.29	19.3	6.67	0.05	5156	88.6	27.2	13.8
Yubileynaya	gr457	41.2	0.09	16.0	10.6	6.97	0.43	21.4	2.93	0.01	540	30.7	24.6	3.74
Yubileynaya	gr458	41.7	0.04	19.0	6.86	7.18	0.53	19.8	5.42	0.03	240	16.8	20.6	3.93
Yubileynaya	gr460	41.5	0.02	19.1	6.27	7.15	0.40	19.9	5.23	0.03	120	27.4	29.9	5.18
Yubileynaya	gr461	40.5	0.38	15.3	9.62	7.87	0.51	16.9	8.66	0.06	2278	36.7	28.2	10.1
Yubileynaya	gr462	41.2	0.16	15.9	10.3	7.15	0.44	20.1	5.31	0.05	959	31.0	22.9	5.43

Arkhangelsk

sample	grain	SiO ₂	TiO ₂	Al ₂ O ₃	Cr ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	Ti	Ni	Zn	Ga
Lomonosov	gr129	41.1	0.47	19.0	5.50	7.21	0.28	20.3	5.31	0.06	2818	64.1	12.1	9.21
Lomonosov	gr130	41.4	0.03	18.1	7.57	7.27	0.39	19.3	5.36	0.01	180	39.7	13.8	6.27
Lomonosov	gr131	41.2	0.06	21.2	2.92	8.14	0.41	19.6	5.36	0.01	360	7.61	8.25	4.55
Lomonosov	gr132	41.1	0.15	15.9	9.75	8.22	0.49	17.4	7.76	0.04	899	39.0	13.6	10.2
Lomonosov	gr133	41.3	0.24	17.6	8.44	7.18	0.37	19.3	6.29	0.05	1439	45.9	15.7	6.45
Lomonosov	gr134	41.9	0.16	19.0	5.80	7.06	0.28	20.4	5.32	0.03	959	53.0	13.7	8.41
Lomonosov	gr135	41.8	0.06	22.2	2.51	8.58	0.38	19.6	5.00		360	10.6	8.47	4.22
Lomonosov	gr136	42.1	0.04	22.4	2.40	8.23	0.40	19.8	5.17	0.01	240	21.3	19.6	5.49
Lomonosov	gr137	42.8	0.06	22.1	2.70	8.13	0.43	19.7	5.47	0.01	360	10.8	9.66	6.55
Lomonosov	gr138	42.1	0.02	22.1	2.69	9.04	0.62	19.1	5.13	0.01	120	6.47	9.00	5.71
Lomonosov	gr139	42.6	0.05	22.4	2.64	7.92	0.43	19.9	5.68	0.02	300	12.9	12.3	4.42
Lomonosov	gr140	41.6	0.24	16.1	9.63	7.13	0.41	18.8	7.24	0.02	1439	50.0	14.9	10.1
Lomonosov	gr141	41.4	0.03	15.4	10.7	7.08	0.36	18.5	7.32	0.01	180	42.6	13.2	6.50
Lomonosov	gr142	41.4	0.54	16.1	9.09	6.85	0.30	19.3	6.47	0.06	3237	57.9	12.7	9.37
Lomonosov	gr143	42.4	0.05	22.3	2.30	8.42	0.35	19.6	4.99	0.01	300	10.3	8.52	3.11
Lomonosov	gr144	41.4	0.07	17.2	8.17	6.99	0.38	19.2	5.91	0.02	420	34.7	12.7	4.29
Lomonosov	gr145	42.0	0.04	22.1	2.62	9.07	0.54	19.2	5.00		240	9.99	8.67	4.57
Lomonosov	gr146	41.8	0.01	18.3	7.84	6.28	0.39	22.4	2.15		60	38.5	10.6	5.26
Lomonosov	gr147	40.7	0.07	16.6	9.00	7.46	0.41	18.7	6.71	0.06	420	35.0	16.1	8.72
Lomonosov	gr148	42.1	0.06	16.6	4.24	6.55	0.34	21.0	4.97	0.02	360	45.0	13.0	3.64

Lomonosov	gr149	41.1	0.15	16.4	9.10	7.62	0.46	18.7	6.49	0.05	899	29.8	13.1	6.69
Lomonosov	gr150	41.1	0.08	16.8	9.16	7.23	0.37	19.4	5.93	0.05	480	30.9	12.1	7.62
Lomonosov	gr151	42.0	0.03	22.5	2.38	8.91	0.48	19.6	4.83		180	7.92	6.65	5.47
Lomonosov	gr152	40.6	0.36	16.4	9.11	7.95	0.33	17.0	8.29	0.07	2158	33.1	14.4	9.94
Lomonosov	gr153	42.9	0.04	22.0	3.12	7.97	0.43	19.7	5.54		240	6.28	9.90	3.93
Lomonosov	gr154	40.0	0.04	15.3	10.6	7.01	0.42	19.5	5.57	0.03	240	36.9	13.5	5.13
Lomonosov	gr155	41.3	0.24	17.6	8.16	7.50	0.47	19.2	6.19	0.02	1439	35.5	12.8	8.94
Lomonosov	gr156	41.9	0.02	19.5	5.81	6.04	0.35	20.3	6.04	0.05	120	38.1	12.8	5.28
Lomonosov	gr157	42.4	0.02	22.1	2.80	9.00	0.41	19.4	4.98	0.01	120	7.60	9.05	4.40
Lomonosov	gr158	42.6	0.03	22.5	2.69	8.25	0.41	19.8	5.25	0.02	180	12.1	9.04	3.65
Lomonosov	gr159	42.1	0.05	21.8	3.05	8.19	0.39	19.6	5.80		300	12.9	10.8	3.86
Lomonosov	gr160	41.2	0.16	17.8	7.94	6.95	0.38	19.9	5.92	0.05	959	31.3	12.9	6.59
Lomonosov	gr161	40.8	0.16	18.6	5.72	7.06	0.40	20.1	5.27		959	49.2	13.8	7.09
Lomonosov	gr162	42.8	0.03	19.1	6.96	7.19	0.34	20.1	3.40	0.04	180	35.9	13.9	6.71
Lomonosov	gr163	41.4	0.24	17.2	8.14	6.85	0.39	19.3	6.10	0.02	1439	39.1	14.0	7.97
Lomonosov	gr164	41.1	0.04	15.6	10.3	7.23	0.39	18.1	7.16	0.04	240	31.0	12.6	5.63
Lomonosov	gr165	42.7	0.11	21.0	4.10	6.48	0.37	21.3	5.16	0.02	659	49.1	12.8	5.16
Lomonosov	gr166	42.9	0.04	22.5	2.29	8.05	0.44	19.9	5.10	0.01	240	8.89	8.17	4.39
Lomonosov	gr167	42.1	0.05	21.8	2.66	8.16	0.43	19.3	5.30		300	11.6	12.6	4.00
Lomonosov	gr168	41.5	0.16	21.8	5.76	6.88	0.37	19.9	5.21	0.05	959	55.2	14.5	6.93
Lomonosov	gr169	40.9	0.37	16.3	8.94	7.86	0.33	17.4	8.23	0.08	2218	28.8	12.2	9.95
Lomonosov	gr170	42.8	0.04	21.8	3.28	8.06	0.38	19.5	5.44		240	10.3	10.7	5.15
Lomonosov	gr171	42.2	0.09	17.5	8.22	6.51	0.34	20.8	4.67	0.03	540	54.2	11.2	5.92
Lomonosov	gr172	43.2	0.05	22.5	2.55	7.84	0.37	19.8	5.43	0.01	300	12.8	8.11	3.13
Lomonosov	gr173	42.6	0.03	22.4	2.48	8.55	0.49	19.7	4.99		180	12.9	10.3	4.58
Lomonosov	gr174	42.2	0.12	17.7	7.41	6.50	0.37	20.4	5.55	0.04	719	52.4	11.6	8.35
Lomonosov	gr175	41.9	0.06	21.8	2.37	8.70	0.52	19.2	4.91	0.01	360	10.2	7.59	5.49
Lomonosov	gr176	41.3	0.14	17.1	8.35	6.63	0.39	19.3	6.27	0.05	839	39.0	11.7	10.3
Lomonosov	gr177	43.1	0.24	20.7	4.52	7.02	0.46	20.7	4.87	0.05	1439	34.0	11.7	10.7
Lomonosov	gr178	42.7	0.06	22.4	2.56	8.59	0.45	19.8	5.10	0.02	360	14.5	10.9	3.70
Lomonosov	gr179	41.2	0.28	17.1	8.17	6.82	0.29	19.8	6.25	0.05	1679	35.3	9.69	7.34
Lomonosov	gr180	40.9	0.05	16.3	9.14	7.32	0.22	19.7	5.46	0.03	300	21.9	7.71	7.35
Lomonosov	gr181	41.6	0.35	17.5	7.32	6.48	0.29	20.7	5.63	0.04	2098	52.4	12.3	6.51
Lomonosov	gr182	41.5	0.15	17.2	7.82	6.78	0.24	20.0	6.12	0.02	899	41.3	9.62	8.62
Lomonosov	gr183	40.7	0.07	15.7	9.86	7.58	0.15	18.9	6.47	0.03	420	27.0	7.91	7.91
Lomonosov	gr184	40.7	0.07	14.4	11.8	6.48	0.10	19.3	6.09	0.03	420	31.3	9.02	3.01

Lomonosov	gr185	41.4	0.68	17.2	7.11	6.77	0.22	20.4	5.79	0.08	4077	46.1	4.69	12.9
Lomonosov	gr186	40.9	0.16	16.4	9.37	7.23	0.22	19.2	6.25	0.04	959	24.3	11.8	9.36
Lomonosov	gr187	41.1	0.05	16.6	9.12	6.73	0.30	20.1	5.86	0.02	300	33.2	8.10	7.69
Lomonosov	gr188	42.3	0.27	18.2	6.56	7.58	0.25	20.0	5.53	0.06	1619	26.2	7.56	7.23
Lomonosov	gr189	40.8	0.48	14.4	11.2	6.59	0.23	19.4	6.49	0.07	2878	37.1	8.70	4.73
Lomonosov	gr190	41.2	0.22	17.2	7.51	7.61	0.37	19.7	5.86	0.04	1319	20.2	9.39	4.19
Lomonosov	gr191	41.0	0.06	16.0	9.56	6.96	0.32	19.9	5.65	0.03	360	27.7	8.76	5.41
Lomonosov	gr192	41.0	0.26	17.3	8.13	7.40	0.35	19.2	6.15	0.05	1559	23.9	12.8	5.25
Lomonosov	gr193	41.3	0.62	17.2	7.36	6.81	0.23	20.4	5.65	0.07	3717	48.7	10.00	7.41
Lomonosov	gr194	40.8	0.28	16.6	8.43	7.61	0.28	19.0	6.35	0.05	1679	26.2	7.35	5.39
Lomonosov	gr195	42.0	0.40	19.1	5.06	7.11	0.25	21.0	5.12	0.04	2398	45.6	10.7	9.59
Lomonosov	gr196	41.3	0.14	16.2	9.72	6.82	0.17	20.3	5.77	0.03	839	43.2	11.9	8.09
Lomonosov	gr197	41.4	0.43	16.6	8.61	7.59	0.32	19.4	5.92	0.06	2578	28.6	12.3	6.72
Lomonosov	gr198	41.3	0.08	17.5	7.75	7.11	0.16	20.6	4.87	0.04	480	39.3	13.6	5.96
Lomonosov	gr199	41.2	0.04	16.1	9.39	7.42	0.24	19.7	5.57	0.03	240	31.0	15.4	4.00
Lomonosov	gr200	40.4	0.12	13.8	12.1	6.58	0.15	19.1	6.78	0.03	719	33.3	8.46	7.99
Lomonosov	gr201	41.4	0.04	17.6	7.67	7.09	0.17	20.9	4.80	0.04	240	31.5	11.1	6.29
Lomonosov	gr202	40.8	0.39	16.0	8.81	7.69	0.34	18.5	6.77	0.06	2338	33.7	10.6	9.69
Lomonosov	gr203	40.5	0.38	16.1	8.85	7.80	0.21	18.4	6.37	0.05	2278	29.6	12.5	5.29
Lomonosov	gr204	41.1	0.48	16.3	8.48	7.09	0.25	20.2	5.99	0.04	2878	59.9	8.95	8.22
Lomonosov	gr205	41.4	0.05	16.0	10.1	6.92	0.20	19.8	5.67	0.04	300	28.9	12.5	6.50
Lomonosov	gr206	41.4	0.05	17.7	7.40	7.10	0.21	20.6	4.89	0.03	300	36.8	8.52	6.37
Lomonosov	gr207	41.3	0.04	17.6	7.93	7.07	0.29	20.7	4.82	0.04	240	31.0	12.6	6.07
Lomonosov	gr208	41.1	0.00	17.1	8.21	6.75	0.16	19.4	6.69	0.02		33.8	12.8	6.99
Lomonosov	gr209	40.4	0.03	14.3	12.0	6.75	0.15	18.9	6.36	0.02	180	45.0	12.2	6.06
Lomonosov	gr210	41.4	0.17	19.1	5.73	7.73	0.26	20.1	5.49	0.03	1019	31.4	9.80	8.41
Lomonosov	gr211	41.0	0.16	15.9	9.39	6.50	0.15	20.0	6.04	0.03	959	53.0	11.8	4.91
Lomonosov	gr212	40.9	0.03	16.1	9.90	6.95	0.26	19.7	5.74	0.04	180	30.7	7.91	5.15
Lomonosov	gr213	41.7	0.32	18.0	6.36	7.11	0.20	20.8	5.44	0.03	1918	62.1	11.4	7.27
Lomonosov	gr214	40.8	0.04	16.7	8.44	7.12	0.10	19.6	5.70	0.04	240	27.3	10.4	6.16
Lomonosov	gr215	40.6	0.44	14.2	11.5	6.59	0.18	19.2	6.68	0.07	2638	36.5	11.6	9.13
Lomonosov	gr216	41.1	0.40	16.6	8.40	7.06	0.28	19.7	5.66	0.08	2398	43.0	11.1	7.75
Soloka	gr381	41.2	0.08	19.1	6.15	8.14	0.43	19.0	6.12	0.02	480	9.63	8.27	7.75
Soloka	gr382	41.7	0.07	19.1	6.00	8.20	0.55	19.4	5.57	0.02	420	12.6	8.97	8.26
Soloka	gr383	41.0	0.14	18.8	5.77	8.22	0.36	19.1	5.55	0.02	839	13.2	8.18	8.40
Soloka	gr384	41.2	0.08	18.8	6.21	8.24	0.40	19.0	5.82	0.02	480	17.0	8.46	8.50

Soloka	gr385	41.4	0.13	19.0	6.07	8.15	0.39	19.1	5.75	0.02	779	8.92	9.11	7.97
Soloka	gr386	41.0	0.15	18.7	6.28	8.28	0.37	18.9	5.72	0.03	899	9.18	5.72	7.67
Soloka	gr387	41.2	0.03	19.0	6.16	7.90	0.52	19.3	5.74	0.03	180	11.2	4.69	6.54
Soloka	gr388	41.4	0.10	19.1	5.78	8.41	0.43	19.2	5.76	0.02	600	10.7	7.97	8.59
Soloka	gr389	41.2	0.10	18.8	6.32	8.27	0.47	19.2	5.71	0.03	600	11.6	7.47	9.63
Soloka	gr390	41.6	0.12	20.0	3.69	8.64	0.52	19.0	5.41	0.02	719	4.47	9.16	6.02
Soloka	gr391	41.5	0.08	20.5	3.70	8.66	0.54	19.2	5.43	0.02	480	11.6	8.69	4.95
Soloka	gr392	41.1	0.08	20.4	3.52	8.89	0.44	19.1	5.42	0.03	480	13.3	8.53	9.27
Soloka	gr393	41.9	0.11	21.2	3.10	9.05	0.56	19.5	5.03	0.03	659	6.33	4.00	3.96
Soloka	gr394	41.2	0.13	18.9	5.99	8.00	0.49	19.2	5.68	0.03	779	10.4	6.05	8.34
Soloka	gr395	41.5	0.11	19.3	5.66	7.94	0.50	19.1	5.75	0.03	659	13.8	7.94	6.76
Soloka	gr396	41.4	0.08	19.2	5.65	8.21	0.45	19.0	5.84	0.02	480	13.6	6.57	6.36
Soloka	gr397	41.3	0.12	19.2	5.47	8.33	0.32	19.2	5.78	0.01	719	13.9	9.26	9.28
Soloka	gr398	41.1	0.09	18.8	6.08	8.17	0.42	19.1	5.90	0.03	540	11.1	8.09	7.31
Soloka	gr399	41.3	0.12	18.0	6.01	8.28	0.44	19.2	5.66	0.03	719	10.6	7.23	8.75
Soloka	gr400	41.3	0.14	19.0	6.56	8.26	0.34	19.3	5.62	0.04	839	12.5	6.68	7.32
Soloka	gr401	41.2	0.10	18.7	5.86	8.36	0.39	19.2	5.69	0.03	600	12.4	8.05	8.48
Soloka	gr402	41.3	0.15	18.7	6.15	8.36	0.40	19.2	5.51	0.03	899	14.0	10.4	7.96
Soloka	gr403	41.0	0.13	18.8	6.10	8.32	0.43	19.0	5.54	0.03	779	12.1	9.94	8.66
Soloka	gr404	42.4	0.01	23.0	1.06	7.84	0.36	21.5	4.14	0.02	60	8.95	7.48	5.70
Soloka	gr405	41.8	0.14	21.9	1.96	8.52	0.36	20.2	4.77	0.04	839	10.9	8.47	8.34
Soloka	gr406	41.7	0.09	21.4	2.78	8.43	0.46	19.8	4.97	0.03	540	9.07	5.75	3.97
Soloka	gr407	41.2	0.05	19.0	6.03	8.18	0.46	19.1	5.87	0.02	300	12.5	7.96	9.23
Soloka	gr408	41.8	0.17	20.7	3.82	8.54	0.46	19.4	5.52	0.03	1019	13.2	7.58	5.96
Soloka	gr409	41.3	0.12	19.2	5.85	8.28	0.50	19.3	5.45	0.04	719	17.7	9.61	9.41
Soloka	gr410	41.2	0.12	18.9	5.53	8.16	0.44	19.2	5.56	0.03	719	9.32	7.33	8.21
Soloka	gr411	41.5	0.08	19.1	5.78	8.24	0.53	19.2	5.79	0.02	480	13.0	7.37	5.58
Soloka	gr412	41.2	0.11	18.9	6.01	8.38	0.47	19.4	5.61	0.04	659	11.1	9.41	7.74
Soloka	gr413	41.4	0.14	20.9	3.80	8.77	0.48	19.4	5.31	0.04	839	5.49	4.98	5.92
Soloka	gr414	41.2	0.14	18.9	6.03	8.33	0.46	19.3	5.60	0.04	839	8.40	5.87	8.84
Soloka	gr415	41.7	0.08	21.1	3.34	8.77	0.38	19.4	5.30	0.02	480	11.6	8.95	6.49
Soloka	gr416	41.4	0.11	18.9	6.13	7.82	0.44	19.2	5.87	0.01	659	12.6	7.09	6.04
Soloka	gr417	41.4	0.11	18.9	6.13	7.82	0.44	19.2	5.87	0.01	659	16.3	8.01	7.51
Soloka	gr418	41.3	0.03	19.1	5.74	8.32	0.46	18.8	5.93	0.03	180	13.0	6.70	8.86
Soloka	gr419	41.3	0.08	18.8	6.26	8.52	0.42	18.9	5.84	0.04	480	10.7	10.1	6.33
Soloka	gr465	41.1	0.47	15.9	9.05	6.58	0.12	21.5	4.61	0.03	2838	77.3	32.1	2.91

Soloka	gr466	41.1	1.14	16.5	6.89	7.36	0.35	19.9	6.38	0.08	6806	74.1	65.9	10.4
Soloka	gr467	41.5	0.02	18.5	7.32	7.51	0.38	22.2	2.39		128	15.1	9.09	3.23
Soloka	gr468	41.7	0.04	21.0	3.80	7.81	0.39	20.6	5.03		262	15.7	10.2	5.05
Soloka	gr469	42.2	0.02	20.5	4.51	7.93	0.31	23.5	1.43	0.02	133	14.6	9.13	3.35
Soloka	gr470	41.7	0.16	20.9	3.50	8.27	0.37	20.1	4.86	0.02	967	13.1	16.2	8.44
Soloka	gr471	41.8	0.14	20.9	3.34	8.65	0.56	19.6	4.84	0.02	865	12.4	15.3	9.09
Soloka	gr472	41.0	0.99	17.0	6.99	7.34	0.21	20.3	5.94	0.10	5911	80.5	58.2	10.3
Soloka	gr473	41.4	0.04	20.8	3.26	8.10	0.53	19.3	5.73	0.01	234	8.65	9.99	1.20
Soloka	gr474	42.0	0.14	19.0	5.22	6.89	0.26	21.0	5.73		865	89.3	15.3	7.30
Soloka	gr475	41.4	0.16	19.6	5.00	8.49	0.47	19.6	5.31	0.02	940	12.7	16.0	7.12
Soloka	gr476	41.0	0.75	15.3	8.42	6.63	0.09	20.2	6.48	0.06	4500	113	46.3	6.83
Soloka	gr477	42.2	0.13	22.5	1.75	8.20	0.43	20.8	4.43	0.03	778	7.24	14.6	3.18
Soloka	gr478	40.8	0.24	19.0	5.76	8.51	0.37	19.2	5.54	0.07	1426	13.9	20.1	7.12
Soloka	gr479	41.9	0.76	21.2	1.46	8.31	0.41	21.0	4.70	0.05	4562	37.1	46.8	13.7
Soloka	gr480	41.5	0.15	19.5	4.97	8.40	0.36	19.5	5.38	0.05	910	12.6	15.7	6.22
Soloka	gr481	41.7	0.22	20.9	3.53	9.05	0.36	19.8	5.00	0.04	1298	14.6	19.0	6.45
Soloka	gr482	41.4	0.98	19.5	2.40	9.23	0.25	20.1	4.98	0.07	5861	74.6	57.8	15.0
Soloka	gr483	41.6	0.05	20.6	3.92	9.60	0.48	18.6	5.69	0.02	316	10.2	10.7	5.88
Soloka	gr484	41.5	0.14	19.6	5.09	8.12	0.45	19.6	5.52	0.04	812	13.2	14.9	8.27
Soloka	gr485	42.1	0.60	20.6	2.98	7.06	0.26	21.7	4.51	0.06	3579	68.6	38.4	10.7
Soloka	gr486	41.5	0.06	20.4	3.89	8.67	0.38	19.6	5.27		352	15.2	11.0	4.98
Soloka	gr487	41.6	0.03	21.0	3.81	7.74	0.39	19.5	5.78	0.02	178	6.06	9.51	1.39
Soloka	gr488	40.8	0.96	16.5	7.01	7.20	0.28	20.1	5.99	0.10	5772	73.2	57.1	9.81
Soloka	gr489	41.8	0.02	19.4	5.92	7.73	0.30	23.4	1.42	0.03	113	17.1	8.96	2.89
Soloka	gr490	41.0	0.94	16.8	7.14	6.95	0.17	20.1	6.09	0.05	5605	79.2	55.6	8.96
Soloka	gr491	41.5	0.20	20.7	3.58	8.27	0.36	20.0	4.91	0.05	1205	14.1	18.2	8.89
Soloka	gr492	41.1	1.07	16.7	6.71	7.21	0.23	20.2	6.11	0.09	6431	80.7	62.7	10.6
Soloka	gr493	41.4	0.02	18.8	6.66	7.68	0.35	21.7	2.63	0.01	135	13.4	9.15	3.17
Soloka	gr494	41.8	0.21	21.1	3.23	9.19	0.52	19.8	4.98	0.05	1270	13.7	18.8	8.04
Soloka	gr495	42.0	0.70	18.9	4.23	7.04	0.24	21.8	4.94	0.02	4184	111	43.6	10.3
Soloka	gr496	41.8	0.01	20.0	4.77	7.84	0.41	22.0	2.89	0.01	48.2	17.8	8.41	3.61
Soloka	gr497	41.2	0.14	19.3	5.47	8.24	0.46	19.6	5.42	0.05	859	15.0	15.3	7.34
Soloka	gr498	41.2	0.17	20.6	3.59	8.30	0.32	20.2	4.88	0.04	1045	14.3	16.9	9.23
Soloka	gr500	40.8	0.39	16.9	7.94	6.56	0.19	20.5	5.72	0.04	2363	68.5	28.1	9.52
Soloka	gr501	41.7	0.17	20.7	3.33	9.45	0.58	19.5	4.77	0.06	1005	11.6	16.5	9.11
Soloka	gr502	41.0	0.08	20.4	4.30	8.35	0.46	19.3	5.64	0.01	474	15.0	12.0	5.19

Soloka	gr503	41.3	0.21	21.2	3.05	9.42	0.45	19.8	4.80	0.01	1280	12.6	18.9	8.53
Soloka	gr504	41.4	0.00	18.8	6.30	7.99	0.33	21.4	3.02		19.7	16.7	8.17	3.09

Chromite**Daldyn Field**

	sample	grain	Cr ₂ O ₃	TiO ₂	Al ₂ O ₃	FeO	MgO	Ni	Zn	Ga	Zr	Nb
Udachnaya	ASH9		51.9	0.14	15.7	19.6	12.2	625	1375	20.1	1.64	2.43
Udachnaya	ASH9		52.2	1.03	12.5	19.5	12.9	840	1094	27.5	5.91	3.79
Udachnaya	ASH9		53.5	0.00	14.1	19.1	12.5	572	1296	9.35	3.02	2.53
Udachnaya	ASH9		56.3	1.21	4.55	26.7	9.96	909	935	15.2	5.45	1.52
Udachnaya	ASH9		58.3	0.24	9.07	19.8	11.9	547	1043	22.7	3.13	0.31
Udachnaya	ASH9		39.3	0.88	22.7	22.1	13.9	1197	1319	76.1	1.93	2.51
Udachnaya	ASH9		60.8	0.62	4.80	20.7	10.9	718	627	35.9	1.53	
Udachnaya	ASH9		58.0	0.27	9.24	19.1	11.9	525	1026	18.7	2.32	1.92
Udachnaya	ASH9		52.4	0.00	13.8	19.7	12.3	608	1272	11.9	3.26	0.27
Udachnaya	uDGR		50.8	0.24	4.90	36.0	7.43	909	1010	107	8.02	10.1
Udachnaya	uDGR		64.1	0.10	5.04	16.1	11.6	532	622	16.8	3.18	
Udachnaya	uDGR		55.6	0.19	5.34	27.9	9.08	924	1075	102	5.36	2.55
Udachnaya	uDGR		56.7	1.41	6.36	22.4	11.9	1159	773	69.3	7.23	4.69
Udachnaya	uDGR		56.0	0.42	7.25	23.6	11.3	1085	700	94.3	4.65	5.30
Udachnaya	uDGR		52.0	0.16	4.51	35.1	7.29	883	1029	85.6	4.00	10.4
Udachnaya	uDGR		60.9	0.08	4.90	20.3	10.6	755	802	47.2	3.34	0.56
Udachnaya	uDGR		40.6	0.20	20.7	27.9	14.3	2476	819	89.0	3.08	
Udachnaya	uDGR		51.5	0.28	5.06	27.2	7.92	773	809	76.4	7.13	6.09
Udachnaya	uDGR		49.0	0.34	4.99	38.3	7.68	1009	977	121	7.34	7.48
Udachnaya	uDGR		63.5	0.15	5.42	15.5	11.9	548	579	33.2	0.87	2.51
Udachnaya	uDGR		54.8	2.88	5.28	25.3	11.3	1362	752	63.9	5.41	3.37
Udachnaya	uDGR		60.2	1.15	4.91	19.3	11.8	975	634	23.6	5.45	3.12
Udachnaya	uDGR		63.8	0.17	4.75	16.1	12.1	647	539	20.5	1.39	8.78
Udachnaya	uDGR		63.8	0.03	5.43	16.3	11.5	531	630	14.5	2.35	3.92
Udachnaya	uDGR		59.6	0.13	9.31	17.7	11.2	558	1070	26.1	1.74	2.88
Udachnaya	uDGR		60.5	0.10	5.57	20.5	11.0	795	790	33.0	2.78	2.62
Udachnaya	uDGR		53.1	1.16	6.78	26.5	10.6	1250	703	94.1	3.96	5.89
Udachnaya	uDGR		60.1	0.18	4.54	22.2	10.1	753	838	52.1	3.16	2.62
Udachnaya	uDGR		47.1	0.46	11.1	32.1	11.0	1668	627	60.1	2.95	3.25

Udachnaya	uDCR	42.7	4.51	10.6	33.1	13.9	2466	379	66.7	9.35	8.62
Udachnaya	uDCR	63.2	0.33	2.36	20.8	10.6	712	622	11.8	2.88	2.47
Udachnaya	uDCR	62.6	0.52	3.18	19.9	11.1	791	582	43.5	1.47	
Udachnaya	uDCR	62.5	0.05	6.36	16.6	11.3	484	746	32.0	2.20	1.37
Udachnaya	uDCR	63.3	0.18	2.80	20.0	10.5	645	603	16.3	7.79	4.45
Udachnaya	uDCR	64.7	0.42	4.71	16.0	11.7	602	565	24.2	2.90	5.90
Udachnaya	uDCR	64.0	0.10	4.70	16.9	11.4	578	604	18.3	4.05	2.97
Udachnaya	uDCR	56.4	2.45	4.35	23.1	11.7	1409	535	65.4	2.26	4.13
Udachnaya	uDCR	48.9	3.52	9.28	23.5	11.9	1277	697	99.0	4.86	8.32
Udachnaya	uDCR	60.4	0.11	4.93	20.9	10.7	791	715	16.7	7.60	1.89
Udachnaya	uDCR	50.8	4.11	4.98	29.2	11.9	1847	428	109	9.19	5.49
Udachnaya	uDCR	62.3	0.01	7.67	15.5	12.3	507	843	19.6	3.35	3.71
Udachnaya	uDCR	63.2	0.26	5.06	16.3	12.2	656	598	18.9	4.00	
Udachnaya	uDCR	63.6	0.09	4.84	17.2	11.8	657	560	21.8	0.27	0.87
Udachnaya	uDCR	63.0	0.05	5.38	16.9	11.7	660	582	30.0	4.24	3.98
Udachnaya	uDCR	61.1	1.53	4.40	17.7	12.6	945	507	44.5	3.84	4.12
Udachnaya	nS90	64.6	0.02	5.25	17.1	11.7	646	599	17.3	4.71	
Udachnaya	nS90	65.1	0.07	4.97	17.9	11.4	690	609	22.4	3.54	3.11
Udachnaya	nS90	63.5	0.09	5.14	18.1	11.3	720	639	30.3	1.30	2.77
Udachnaya	nS90	62.6	0.06	5.39	18.9	11.9	678	678	26.4	0.04	4.70
Udachnaya	nS90	62.6	0.06	5.39	18.9	11.9	719	667	27.0	4.88	
Udachnaya	nS90	65.3	0.17	4.08	18.2	11.8	636	602	23.8		7.25
Udachnaya	nS90	61.7	0.50	4.74	19.6	11.4	895	698	24.6	15.2	5.36
Udachnaya	nS90	64.9	0.09	4.27	17.4	11.7	631	585	22.6	1.86	8.03
Udachnaya	nS90	64.9	0.09	4.27	17.4	11.7	623	582	23.0	0.44	1.89
Udachnaya	nS90	64.9	0.09	4.27	17.4	11.7	626	596	17.1	2.32	5.93
Zarnitsa	zARU	44.0	1.79	13.3	25.2	14.0	1356	269	55.5	2.82	9.38
Zarnitsa	zARU	46.9	0.15	22.0	16.7	12.7	405	1714	33.4		
Zarnitsa	zARU	41.3	0.05	27.2	13.7	15.9	889	1077	30.5	1.83	1.05
Zarnitsa	zARU	51.5	2.24	4.88	30.2	9.84	1599	546	108	7.69	8.95
Zarnitsa	zARU	35.9	3.27	15.4	28.5	14.8	1757	224	47.3	5.61	5.65
Zarnitsa	zARU	41.9	4.62	11.1	26.2	14.4	1767	244	55.3	5.95	5.33
Zarnitsa	zARU	57.1	0.72	4.29	20.9	9.76	702	701	17.1	5.91	0.88
Zarnitsa	zARU	46.5	4.78	7.72	27.0	13.4	1685	260	73.6	3.40	5.00
Zarnitsa	zARU	48.6	4.89	5.52	27.0	12.7	1426	301	67.8	5.29	6.41
Zarnitsa	zARU	41.9	4.17	7.48	42.0	7.48	1257	673	55.2	12.7	13.4

Zarnitsa	zARU	59.7	0.22	9.29	18.1	11.9	532	895	41.1	1.22	2.81
Zarnitsa	zARU	42.1	3.15	13.1	25.3	14.4	1611	244	38.4	5.00	2.75
Zarnitsa	zARU	39.2	0.31	19.1	24.7	14.4	1521	275	40.8	6.91	5.34
Zarnitsa	zARU	52.5	1.41	6.55	27.0	11.0	1335	448	41.7	7.58	6.90
Zarnitsa	zARU	62.7	0.05	6.16	20.1	9.96	463	872	34.5	3.79	2.91
Zarnitsa	zARU	47.4	0.73	14.4	25.3	10.6	953	892	67.1	4.58	4.51
Zarnitsa	zARU	37.2	4.57	2.38	46.8	6.88	1362	603	76.8	18.3	18.1
Zarnitsa	zARU	45.8	2.89	2.83	39.3	7.86	1406	821	60.8	11.6	6.17

Arkhangelsk

sample	grain	Cr ₂ O ₃	TiO ₂	Al ₂ O ₃	FeO	MgO	Ni	Zn	Ga	Zr	Nb
Lomonosova	LOMC	62.0	1.07	4.49	19.0	11.6	685	645	18.1	0.13	4.36
Lomonosova	LOMC	60.3	1.09	6.56	19.7	12.3	741	723	27.9	2.55	
Lomonosova	LOMC	50.3	3.05	8.22	26.0	12.7	1676	468	40.3	2.59	
Lomonosova	LOMC	60.4	2.41	4.91	20.3	12.6	970	674	31.7	1.62	3.00
Lomonosova	LOMC	59.1	1.50	6.41	19.8	12.4	908	658	32.9	7.59	
Lomonosova	LOMC	58.7	0.95	8.23	19.3	13.0	858	582	30.1	3.30	
Lomonosova	LOMC	53.2	3.28	6.50	24.3	17.5	1413	490	51.9	2.60	1.69
Lomonosova	LOMC	61.2	1.77	5.15	19.4	12.6	856	648	34.8	2.84	1.97
Lomonosova	LOMC	54.5	3.54	5.00	27.3	10.8	1191	823	61.7	3.36	3.30
Lomonosova	LOMC	51.5	3.49	5.44	28.5	10.2	1199	817	60.8	2.26	3.48
Lomonosova	LOMC	53.6	0.13	13.3	22.5	10.7	429	2552	18.0	1.41	0.90
Lomonosova	LOMC	56.6	2.94	5.54	23.7	11.9	1197	734	34.2	2.83	2.85
Lomonosova	LOMC	60.1	2.26	4.44	20.4	12.5	994	638	22.7	3.19	4.24
Lomonosova	LOMC	62.7	0.26	6.65	18.8	12.5	740	706	28.5		
Lomonosova	LOMC	58.7	1.19	6.27	22.1	11.3	805	814	36.6	0.85	0.93
Lomonosova	LOMC	60.6	1.92	5.81	16.7	13.4	811	581	17.2	3.44	1.92
Lomonosova	LOMC	54.3	2.72	7.91	21.7	13.0	1171	623	41.1	2.41	0.22
Lomonosova	LOMC	51.7	3.42	6.46	27.2	10.8	1286	772	59.1	2.57	1.12
Lomonosova	LOMC	57.3	2.66	5.59	21.3	12.4	1116	687	54.0	1.27	2.15
Lomonosova	LOMC	60.0	1.96	5.15	19.9	12.3	859	697	31.6	2.67	4.13
Lomonosova	LOMC	62.7	0.16	6.77	16.4	12.8	532	635	19.7	1.53	2.18
Lomonosova	LOMC	51.3	0.19	16.7	19.7	12.5	622	1604	31.4	4.14	4.05
Lomonosova	LOMC	57.8	2.24	6.11	21.6	11.7	922	755	27.0	1.62	2.00
Lomonosova	LOMC	62.3	0.24	7.05	17.1	12.4	570	731	33.2	4.16	2.27
Lomonosova	LOMC	61.1	1.37	5.99	19.1	12.7	819	640	55.7	3.18	

Lomonosova	LOMC	52.2	3.45	6.19	24.3	12.3	1469	458	50.9	3.70	
Lomonosova	LOMC	21.7	0.02	48.0	13.3	21.7	1433	1965	41.3	3.46	1.91
Lomonosova	LOMC	59.7	2.01	5.80	21.3	12.1	956	760	36.0	0.02	1.95
Lomonosova	LOMC	52.1	3.88	5.88	24.4	12.1	1374	498	62.1	3.60	2.60
Lomonosova	LOMC	56.4	2.25	5.60	26.0	10.7	968	822	61.7	2.15	1.96
Lomonosova	LOMC	30.2	3.54	14.7	39.8	11.1	1887	424	46.8	3.95	
Lomonosova	LOMC	62.0	1.91	4.74	19.6	12.5	863	674	27.6	5.55	1.30
Lomonosova	LOMC	59.3	2.50	5.28	20.8	13.0	1052	686	59.7	0.23	2.35
Lomonosova	LOMC	56.4	2.94	5.51	23.5	11.8	1199	719	35.5	2.72	1.29
Lomonosova	LOMC	58.0	1.12	8.15	21.1	12.4	963	599	31.2	3.58	2.58
Lomonosova	LOMC	54.5	3.64	5.18	24.2	12.3	1275	518	53.3	6.17	4.13
Lomonosova	LOMC	45.6	0.39	16.6	24.6	12.8	1229	830	160		3.47
Lomonosova	LOMC	57.6	0.56	7.98	22.6	11.3	799	915	21.2	5.69	5.42
Lomonosova	LOMC	55.0	2.13	9.11	21.0	13.1	1159	579	26.9	3.28	3.18
Lomonosova	IOMO	59.6	2.11	4.82	20.7	11.7	1002	697	28.6	5.76	1.36
Lomonosova	IOMO	51.8	3.28	5.91	27.5	10.1	1346	740	58.4	7.08	3.86
Lomonosova	IOMO	50.9	2.36	4.70	30.4	9.95	2365	1074	42.8	17.0	3.55
Lomonosova	IOMO	52.6			13.6		504	496	10.3	3.24	1.62
Lomonosova	IOMO	51.4	2.88	5.98	28.5	9.71	1163	810	60.3	4.24	4.43
Lomonosova	IOMO	55.2	3.02	5.18	24.6	10.2	1168	876	62.0	4.12	5.07
Lomonosova	IOMO	63.8	0.88	4.80	18.1	12.0	688	641	21.3	5.24	4.69
Lomonosova	IOMO	63.9	0.78	4.48	18.8	11.7	686	709	9.04	2.77	3.05
Lomonosova	IOMO	62.7	0.05	7.71	16.6	12.1	533	752	13.5	2.68	
Lomonosova	IOMO	60.8	0.49	8.07	17.2	12.3	661	647	46.0	5.63	1.13
Lomonosova	IOMO	57.1	2.71	6.57	22.6	11.3	895	905	55.1	4.60	9.18
Lomonosova	IOMO	62.3	0.02	8.04	17.1	11.9	517	748	19.1	5.38	5.47
Lomonosova	IOMO	60.8	1.23	6.30	18.7	12.3	868	630	20.1	2.40	3.75
Lomonosova	IOMO	31.6	2.99	14.3	38.9	10.4	1871	425	40.8	6.11	8.98
Lomonosova	IOMO	55.1	2.55	5.69	24.6	9.81	1069	1032	59.2	1.89	5.34
Lomonosova	IOMO	56.4	0.28	10.2	22.2	9.91	630	892	62.1	2.94	7.04
Lomonosova	IOMO	54.2	3.51	5.01	24.8	11.3	1366	515	58.8	8.04	4.23
Lomonosova	IOMO	57.8	2.10	5.76	22.0	11.1	1025	669	32.6	3.64	3.36
Lomonosova	IOMO	57.8	2.40	5.48	22.4	11.1	1033	727	43.5	5.07	
Lomonosova	IOMO	34.2	0.05	33.7	15.7	14.6	617	2554	26.9	1.25	4.55
Lomonosova	IOMO	56.9	1.21	7.80	20.7	12.0	1002	605	26.7	3.45	0.64
Lomonosova	IOMO	54.2	2.24	3.78	27.5	10.3	1327	891	34.9	5.46	1.68

Lomonosova	IOMO	59.2	0.18	7.59	20.4	10.9	662	731	52.9	1.40	6.75
Lomonosova	IOMO	61.6	0.43	5.69	19.9	11.3	695	703	36.6	5.74	4.87
Lomonosova	IOMO	53.3	3.21	4.79	27.5	10.1	1200	814	62.9	4.39	3.08
Lomonosova	IOMO	53.3	2.52	6.54	24.4	11.9	1467	518	57.5	5.89	2.94
Lomonosova	IOMO	61.8	2.63	4.92	19.0	12.3	683	665	33.9	1.72	4.26
Lomonosova	IOMO	55.6	1.72	3.87	27.1	10.2	1270	921	38.9	7.30	7.40
Lomonosova	IOMO	61.8	0.37	5.28	19.0	12.3	771	520	15.7		
Lomonosova	IOMO	59.7	2.20	4.34	20.8	11.7	972	704	31.4	4.47	2.63
Lomonosova	IOMO	62.7	0.05	6.96	17.6	11.7	560	757	19.9		1.04
Lomonosova	IOMO	61.2	0.54	5.80	19.6	11.6	731	673	13.9	2.60	8.00
Lomonosova	IOMO	58.9	2.21	5.11	20.3	12.1	996	642	51.8	0.41	
Lomonosova	IOMO	58.9	2.07	5.44	20.9	11.9	1020	604	47.4	0.85	0.57
Lomonosova	IOMO	51.9	3.43	5.03	28.6	9.73	1191	800	67.5	0.33	
Lomonosova	IOMO	40.1			17.7		862	542	44.3	2.37	4.68
Lomonosova	IOMO	58.8	1.56	5.77	21.2	11.6	929	633	24.3	4.05	2.33
Lomonosova	IOMO	60.7	0.03	6.90	19.4	11.8	667	669	11.9	5.12	2.90
Lomonosova	IOMO	53.2	3.18	5.35	26.2	10.3	1344	718	73.1	5.03	2.49
Lomonosova	IOMO	57.9	1.74	6.02	22.3	11.0	1042	648	35.5	4.39	3.50
Lomonosova	LOMC	60.6	0.46	5.70	19.9	10.4	705	621	45.9		3.92
Lomonosova	LOMC	54.4	0.37	12.0	19.3	11.9	789	702	36.5	2.19	
Lomonosova	LOMC	56.7	1.27	4.84	23.6	10.5	1007	852	22.7	4.10	4.66
Lomonosova	LOMC	54.3	3.19	4.65	22.7	11.1	1072	582	53.4	1.89	3.98
Lomonosova	LOMC	50.1	3.59	7.73	24.1	11.8	1262	592	76.1	3.81	3.55
Lomonosova	LOMC	63.4	0.10	5.32	17.0	12.5	678	484	15.1	2.04	6.45
Lomonosova	LOMC	60.4	0.50	6.23	18.9	11.3	632	687	25.2	5.10	
Lomonosova	LOMC	59.5	1.74	4.09	20.1	11.3	903	623	14.2	0.71	1.61
Lomonosova	LOMC	57.2	1.70	5.26	22.6	10.4	844	766	39.0		
Lomonosova	LOMC	58.6	2.70	4.60	18.8	12.4	1007	500	42.2	1.54	5.85
Lomonosova	LOMC	55.3	2.64	4.51	23.6	10.4	1042	765	45.2	0.26	2.03
Lomonosova	LOMC	62.5	0.10	7.37	15.6	12.2	464	710	15.1	2.19	3.48
Lomonosova	LOMC	63.6	0.10	5.52	16.2	12.3	558	509	15.8	0.59	4.14
Lomonosova	LOMC	52.9	3.30	4.81	25.5	10.0	1099	732	61.9	5.19	
Lomonosova	LOMC	57.4	1.72	4.98	23.1	10.1	852	778	44.9	2.55	4.59
Lomonosova	LOMC	60.9	0.41	5.60	19.8	10.4	662	624	45.9		0.53
Lomonosova	LOMC	57.9	1.30	6.35	20.0	11.2	862	709	29.5	1.53	2.85
Lomonosova	LOMC	51.6	3.35	4.67	27.2	9.47	1046	778	61.0	4.82	1.90

Lomonosova	LOMC	55.3	1.50	6.15	24.4	10.0	1018	647	64.5	2.20	1.87
Lomonosova	LOMC	57.8	1.64	5.24	21.8	10.2	803	723	32.8	0.66	3.36
Lomonosova	LOMC	52.0	3.44	4.46	27.9	9.58	1106	764	68.9	0.84	6.17
Lomonosova	LOMC	58.4	1.00	3.51	23.9	10.3	903	799	19.2	8.49	
Lomonosova	LOMC	61.6	1.40	5.04	19.0	9.89	780	928	20.1		
Lomonosova	LOMC	57.4	2.49	4.80	20.6	11.6	923	698	52.7	3.44	0.41
Lomonosova	LOMC	63.3	0.05	6.52	15.7	12.5	503	627	22.2	2.90	
Lomonosova	LOMC	62.2	0.16	6.56	15.8	12.0	662	603	43.4	3.49	3.14
Lomonosova	LOMC	59.7	0.24	7.36	18.8	11.3	558	713	26.7	14.8	0.44
Lomonosova	LOMC	58.9	1.13	6.28	20.2	11.1	872	605	32.5	1.76	
Lomonosova	LOMC	58.5	1.95	5.09	20.1	11.5	917	627	47.9		
Lomonosova	LOMC	59.3	1.24	5.57	19.4	11.6	897	629	21.7	2.27	4.01
Lomonosova	LOMC	62.1	1.31	3.72	19.0	11.4	645	648	18.4	4.65	2.97
Lomonosova	LOMC	60.7	0.75	6.05	18.0	11.9	690	636	27.2	2.15	4.91
Lomonosova	LOMC	61.0	1.17	4.88	18.3	12.3	784	506	23.4	6.14	3.05
Lomonosova	LOMC	57.9	2.13	4.83	21.6	10.9	927	769	27.1	1.98	2.47
Lomonosova	LOMC	51.6	3.44	4.57	27.6	9.77	1064	762	61.4	6.02	
Lomonosova	LOMC	53.3	3.15	4.94	26.0	10.0	1157	768	62.7		0.25
Lomonosova	LOMC	58.1	1.68	6.11	20.0	11.3	894	704	22.5		
Lomonosova	LOMC	60.9	1.98	4.56	18.0	12.5	844	472	25.3	2.54	
Lomonosova	LOMC	56.8	1.78	4.79	22.9	10.5	843	761	45.8	2.18	1.81
Lomonosova	LOMC	21.9	0.02	45.8	11.4	18.3	1230	2069	14.5	1.25	1.19
Lomonosova	LOMC	60.7	1.30	5.82	18.1	12.1	723	591	27.8		3.17
Lomonosova	LOMC	56.7	1.35	5.65	21.9	10.3	740	796	28.9	2.72	2.08
Lomonosova	LOMC	58.8	0.96	6.07	21.4	10.4	687	780	33.1	2.61	2.52
Lomonosova	LOMC	54.3	1.99	5.72	25.1	9.86	961	732	48.1	3.17	4.85
Lomonosova	LOMC	60.6	1.72	5.25	17.9	12.5	787	574	36.1	1.65	4.79
Lomonosova	LOMC	57.1	0.80	5.42	23.2	10.5	757	625	75.3	4.01	4.13
Lomonosova	LOMC	51.9	0.75	7.58	26.5	9.57	1065	794	89.7	2.11	3.45
Lomonosova	LOMC	49.8	3.35	6.02	28.1	9.53	1337	750	55.2	2.41	
Lomonosova	LOMC	63.7	0.05	6.44	15.8	12.1	514	599	18.3	2.93	
Solokha	SOLC	55.5	2.14	2.32	27.1	9.83	1242	780	84.2	12.9	2.13
Solokha	SOLC	47.9	0.36	15.7	20.0	13.2	894	505	44.3		0.82
Solokha	SOLC	47.7	1.25	4.15	33.8	8.95	1628	844	28.5	10.6	7.26
Solokha	SOLC	47.4	1.21	4.07	34.1	8.96	3099	856	96.4	1.40	2.33
Solokha	SOLC	49.5	0.36	13.1	21.0	13.5	797	364	44.6	5.40	2.84

Solokha	SOLC	47.6	0.20	16.5	19.8	13.2	914	499	39.4	2.30	1.84
Solokha	SOLC	40.1	3.39	1.58	42.7	7.28	1447	744	55.5	24.0	17.2
Solokha	SOLC	42.6	3.40	1.44	40.0	7.77	1460	702	43.2	24.8	14.3
Solokha	SOLC	50.8	0.34	13.1	23.3	10.5	794	519	41.8	5.26	2.94
Solokha	SOLC	50.7	0.36	12.9	22.9	10.4	928	880	46.5	2.67	2.36
Solokha	SOLC	53.6	0.19	13.9	18.3	12.6	689	751	21.2	2.26	
Solokha	SOLC	44.1	0.09	21.0	18.9	13.4	629	448	27.9	2.22	4.01
Solokha	SOLC	44.5	0.08	21.0	19.0	13.4	366	264	19.8	9.22	6.98
Solokha	SOLC	43.8	0.08	21.0	18.8	13.6	466	251	18.6	7.97	7.01
Solokha	SOLC	38.3	3.64	1.42	44.7	7.00	1091	921	52.1	18.1	13.4
Solokha	SOLC	42.0	2.79	1.30	43.5	6.26	3263	805	117	12.2	4.42
Solokha	SOLC	49.7	0.35	11.9	21.9	12.9	976	340	29.6	8.48	7.53
Solokha	SOLC	45.9	0.73	8.66	29.7	11.5	965	459	19.8	7.94	11.2
Solokha	SOLC	50.0	0.19	17.3	17.4	13.2	830	487	42.0	1.53	2.60
Solokha	SOLC	53.4	0.50	9.35	24.6	8.89	579	796	40.1		1.48
Solokha	SOLC	46.1	2.16	2.77	36.1	8.56	1238	576	34.2	17.3	11.0
Solokha	SOLC	49.6	0.19	18.1	16.6	13.5	728	420	35.2	2.66	
Solokha	SOLC	43.9	2.65	1.69	38.5	7.70	1780	715	46.6	23.6	14.6
Solokha	SOLC	43.3	2.63	1.61	40.1	7.29	1373	812	42.8	21.3	11.6
Solokha	SOLC	19.4	0.07	48.4	12.6	17.8	1502	1645	38.9	0.79	0.83
Solokha	SOLC	19.3	0.02	48.3	12.5	17.9	1065	234	30.5	5.74	1.76
Solokha	SOLC	42.8	3.27	1.54	40.2	7.57	1558	755	55.0	21.5	14.4
Solokha	SOLC	42.8	3.35	1.52	39.7	7.37	1864	1505	95.7	4.52	0.08
Solokha	SOLC	52.6	0.48	9.63	26.2	9.02	695	814	50.1	3.47	1.52
Solokha	SOLC	47.9	0.50	11.9	23.7	12.5	1190	426	44.3	9.88	3.32
Solokha	SOLC	40.2	3.18	1.22	43.5	6.81	1247	794	36.3	20.5	16.2
Solokha	SOLC	40.0	3.12	1.25	43.7	6.68	2543	1235	94.7	17.3	7.44
Solokha	SOLC	43.2	1.50	4.55	37.7	8.50	1656	677	39.7	22.7	14.7
Solokha	SOLC	42.7	1.48	4.54	37.9	8.76	630	105	62.5	660	2141
Solokha	SOLC	44.7	2.19	2.11	38.3	7.58	1040	782	43.0	23.8	14.6
Solokha	SOLC	55.4	0.00	13.3	16.6	12.4	457	1239	20.4		0.18
Solokha	SOLC	49.1	2.31	1.80	34.6	7.93	1655	702	36.6	16.9	8.82
Solokha	SOLC	49.4	2.34	1.70	35.2	8.14	1335	1086	77.5	4.48	0.42
Solokha	SOLC	44.3	2.65	1.23	42.1	6.40	1371	726	31.8	17.2	12.4
Solokha	SOLC	54.7	0.12	12.8	17.4	12.1	510	953	25.4	3.05	3.08
Solokha	SOLC	46.8	5.54	5.56	27.9	11.3	1536	791	62.0	4.42	3.92

Solokha	SOLC	45.8	0.04	21.0	15.5	15.4	947	467	22.5	1.82	3.00
Solokha	SOLC	48.4	0.29	15.4	17.5	14.8	1272	348	46.2	4.28	0.87
Solokha	SOLC	35.5	4.11	1.03	48.1	6.31	1238	718	51.8	23.9	23.0
Solokha	SOLC	49.9	0.31	16.0	17.6	13.6	852	366	43.7	1.86	
Solokha	SOLC	44.7	0.08	15.9	25.2	11.5	1072	817	27.2	5.17	2.84
Solokha	SOLC	41.9	2.44	1.56	42.3	6.76	999	848	52.6	19.3	13.5
Solokha	SOLC	49.2	1.00	5.59	31.4	9.38	1342	614	36.2	12.4	9.82

Sr	Y	Zr
1.39	11.7	15.5
1.72	8.64	29.8
0.73	14.8	75.9
1.31	18.3	27.9
0.80	18.7	20.9
1.37	18.7	22.3
	20.2	19.2
0.65	12.7	8.04
22.7	3.32	5.38
0.17	17.1	29.7
3.57	2.71	7.47
1.61	1.66	7.71
1.55	20.4	69.0
2.44	6.00	31.1
1.67	22.2	109
1.56	1.38	8.25
0.00	6.98	3.91
0.21	22.4	28.3
1.36	17.5	32.5
0.92	13.2	38.8
1.64	26.8	131
	14.4	66.2
2.14	10.4	7.89
3.67	2.28	10.4
0.34	12.6	21.6
12.8	1.14	

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3.66	0.95	12.0
1.04	7.54	47.6
0.65	2.06	33.2
0.65	13.8	18.3
0.59	19.0	49.2
1.52	17.4	20.7
0.38	1.21	2.38
4.22	1.93	12.6
3.36		14.6
1.07	17.0	19.1
0.40	11.8	24.6
1.07	17.1	24.9
	9.15	30.6
	11.7	55.8
0.63	13.1	28.1
2.53	4.80	7.98
0.48		0.10
0.90	11.3	20.3
0.86	3.05	18.0
0.85	5.19	6.09
	6.37	10.5
1.58	12.5	45.0
1.11	14.8	18.4
0.79	24.6	87.2
0.60	5.04	10.3
1.47	11.3	13.4
0.02	2.00	9.43
3.61	6.63	0.83
1.01	2.63	15.9
	10.6	15.3
2.37	14.4	3.84
6.92	1.64	10.5
6.51	4.52	19.1
11.8	2.50	42.7
	17.8	28.9
2.69	2.27	3.81

1.60	5.24	13.3
0.76	9.85	15.6
2.89	16.4	29.5
	18.6	179
0.67	20.9	9.62
18.1	3.43	37.0
0.64	11.2	66.1
1.89	17.3	30.7
	3.69	10.3
1.19	3.22	112
1.31	30.6	135
3.60	3.40	0.16
2.70	6.34	53.4
0.40	2.95	6.32
28.6	8.44	48.0
11.5	5.44	14.8
13.7	0.45	6.39
15.4	0.33	4.35
3.05	19.1	64.8
6.98	0.61	
	3.33	47.7
3.60	7.08	38.1
0.64	4.48	14.5
9.15	6.74	20.4
0.90	2.25	9.61
2.24	35.6	138
	4.04	31.7
	28.0	137
7.35	2.13	7.51
1.41	1.93	17.0
4.68	4.66	30.4
16.1	6.56	68.0
15.1	0.28	0.88
0.05	8.36	21.6
8.08	1.08	4.11
6.71	3.39	23.2

0.43	16.6	25.6
11.5	2.91	20.5
0.86	9.22	43.0
3.82	4.28	
16.2	4.36	15.8
0.81	9.84	22.8
0.42	10.4	28.0
1.00	7.52	30.2
0.04	15.8	71.3
1.23	11.9	24.3
	19.4	30.3
2.72	3.91	2.75
	18.2	34.7
0.60	9.20	27.5
8.43	3.56	28.1
1.27	14.9	55.9
0.81	10.6	24.9
	21.8	22.0
0.30	12.6	36.7
0.38	13.6	56.7
1.10	15.9	24.8
1.55	5.88	9.85
0.01	12.5	27.8
3.86	9.12	42.9
1.35	9.72	8.05
	12.9	7.81
	17.8	22.5
0.92	14.3	8.62
1.58	5.31	29.1
1.36	21.3	11.4
	2.30	3.29
4.80	2.26	6.71
	2.40	11.9
	10.8	28.9
0.12	3.52	10.7
1.60	0.71	6.88

1.42	25.3	92.2
	17.3	28.2
0.16	20.5	30.8
	14.7	18.6
0.99	4.73	25.8
	14.4	26.4
0.20	1.37	3.60
	1.73	4.40
1.02	2.50	23.3
0.13	8.88	19.8
1.00	17.5	29.5
1.02	26.4	120
19.7	4.44	59.6
15.0	4.56	58.2
2.59	28.6	103
	21.3	8.51
1.71	4.23	2.40
0.55	7.26	50.2
1.36	7.23	46.2
1.86	14.9	34.7
3.02	23.2	47.7
2.42	19.4	12.8
1.52	24.0	118
1.13	28.6	86.1
1.81	19.2	41.2
2.28	2.00	26.1
0.95	88.8	23.5
	17.9	34.0
1.23	3.85	
5.82	2.00	2.89
	15.3	26.1
0.31	16.6	21.9
0.19	5.89	32.7
4.36	2.69	9.14
1.52	7.48	76.0
0.48	14.4	28.5

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1.57	1.58	1.89
1.28	7.45	22.3
3.55	3.54	29.2
5.72	3.53	19.5
0.81	2.42	23.1
2.92	4.85	18.8
1.48	5.56	46.6
0.91	5.69	40.6
2.01	18.3	60.6
2.44	5.50	6.46
0.86	6.68	44.6
0.86	20.3	27.3
4.14	1.01	18.1
1.58	12.5	37.6
1.03	1.57	4.23
1.76	6.44	45.2
0.18	10.7	11.7
1.07	7.20	52.9
1.26	7.76	46.2
1.53	7.61	7.28
0.14	9.42	7.29
4.49	1.79	4.08
1.82	12.8	25.4
2.93	10.3	1.35
1.08	4.88	30.7
1.31	2.50	49.0
0.69	21.0	138
1.00	1.25	2.55
2.02	10.2	28.8
1.10	10.5	40.9
1.14	20.2	41.5
0.04	3.10	9.57
1.80	3.60	2.41
1.12	2.98	42.3
2.03	1.96	11.9
1.38	3.51	5.00

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2.56	0.33	8.29
0.44	11.8	15.7
0.32	4.32	2.54
1.07	8.98	17.3
13.7	0.65	12.9
1.43	8.80	15.2
0.69	10.9	25.4
19.9	1.59	13.0
3.54		6.07
12.6	3.83	16.8
10.5	1.52	5.63
1.14	2.27	1.87
2.18	2.75	4.17
5.73	8.61	67.7
0.09	16.3	18.3
1.91	1.04	42.1
3.16	3.83	11.4
	12.7	28.1
	9.70	19.3
	6.55	24.3
2.43	4.14	29.4
4.28	1.97	4.78
1.94	5.57	35.9
	5.80	14.0
3.56	2.32	11.4
3.28	7.11	26.2
1.38	14.9	25.7
2.19	4.62	4.82
	4.16	14.1
1.74	8.78	8.05
0.56	6.28	72.8
0.15	9.89	22.7
8.49	5.46	12.7
5.90	1.26	7.97
3.57	0.70	10.7
2.11	2.70	5.91

1.34	2.72	33.6
1.08	18.0	35.7
6.26		2.48
	5.11	16.7
4.83	9.01	44.1
1.39	11.7	15.5
1.72	8.64	29.8
0.73	14.8	75.9
1.31	18.3	27.9
0.80	18.7	20.9
1.37	18.7	22.3
	20.2	19.2
0.65	12.7	8.04
22.7	3.32	5.38
0.17	17.1	29.7
3.57	2.71	7.47
1.61	1.66	7.71
1.55	20.4	69.0
2.44	6.00	31.1
1.67	22.2	109
1.56	1.38	8.25
0.00	6.98	3.91
0.21	22.4	28.3
1.36	17.5	32.5
0.92	13.2	38.8
1.64	26.8	131
	14.4	66.2
2.14	10.4	7.89
3.67	2.28	10.4
0.34	12.6	21.6
12.8	1.14	
3.66	0.95	12.0
1.04	7.54	47.6
0.65	2.06	33.2
0.65	13.8	18.3
0.59	19.0	49.2

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1.52	17.4	20.7
0.38	1.21	2.38
4.22	1.93	12.6
3.36		14.6
1.07	17.0	19.1
0.40	11.8	24.6
1.07	17.1	24.9
	9.15	30.6
	11.7	55.8
0.63	13.1	28.1
2.53	4.80	7.98
0.48		0.10
0.90	11.3	20.3
0.86	3.05	18.0
0.85	5.19	6.09
	6.37	10.5
1.58	12.5	45.0
1.11	14.8	18.4
0.79	24.6	87.2
0.60	5.04	10.3
1.47	11.3	13.4
0.02	2.00	9.43
3.61	6.63	0.83
1.01	2.63	15.9
	10.6	15.3
2.37	14.4	3.84
6.92	1.64	10.5
6.51	4.52	19.1
11.8	2.50	42.7
	17.8	28.9
2.69	2.27	3.81
1.60	5.24	13.3
0.76	9.85	15.6
2.89	16.4	29.5
	18.6	179
0.67	20.9	9.62

18.1	3.43	37.0
0.64	11.2	66.1
1.89	17.3	30.7
	3.69	10.3
1.19	3.22	112
1.31	30.6	135
3.60	3.40	0.16
2.70	6.34	53.4
0.40	2.95	6.32
28.6	8.44	48.0
11.5	5.44	14.8
13.7	0.45	6.39
15.4	0.33	4.35
3.05	19.1	64.8
6.98	0.61	
	3.33	47.7
3.60	7.08	38.1
0.64	4.48	14.5
9.15	6.74	20.4
0.90	2.25	9.61
2.24	35.6	138
	4.04	31.7
	28.0	137
7.35	2.13	7.51
1.41	1.93	17.0
4.68	4.66	30.4
16.1	6.56	68.0
15.1	0.28	0.88
0.05	8.36	21.6
8.08	1.08	4.11
6.71	3.39	23.2
0.43	16.6	25.6
11.5	2.91	20.5
0.86	9.22	43.0
3.82	4.28	
16.2	4.36	15.8

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0.81	9.84	22.8
0.42	10.4	28.0
1.00	7.52	30.2
0.04	15.8	71.3
1.23	11.9	24.3
	19.4	30.3
2.72	3.91	2.75
	18.2	34.7
0.60	9.20	27.5
8.43	3.56	28.1
1.27	14.9	55.9
0.81	10.6	24.9
	21.8	22.0
0.30	12.6	36.7
0.38	13.6	56.7
1.10	15.9	24.8
1.55	5.88	9.85
0.01	12.5	27.8
3.86	9.12	42.9
1.35	9.72	8.05
	12.9	7.81
	17.8	22.5
0.92	14.3	8.62
1.58	5.31	29.1
1.36	21.3	11.4
	2.30	3.29
4.80	2.26	6.71
	2.40	11.9
	10.8	28.9
0.12	3.52	10.7
1.60	0.71	6.88
1.42	25.3	92.2
	17.3	28.2
0.16	20.5	30.8
	14.7	18.6
0.21	0.62	15.8

		10.5
0.77		2.93
	0.24	21.6
	1.11	9.42
	0.00	11.6
0.48	1.79	10.7
	2.03	18.0
		21.7
0.27		18.4
	1.46	6.58
1.12	0.23	5.46
	0.79	13.7
0.04	1.14	8.71
	2.01	34.5
	0.60	11.8
	0.75	6.31
2.09	1.33	6.20
4.89	0.78	9.22
0.18	9.32	2.13
	0.31	1.39
	1.50	22.8
0.94	10.5	2.22
		18.6
		5.92
0.10	0.65	11.9
	1.71	17.0
	0.32	3.94
2.77	2.81	24.4
1.30	2.42	21.2
		6.82
0.19	1.87	3.03
	1.60	5.86
0.52	2.34	22.8
2.86		24.5
	1.54	6.92
0.19	1.89	18.8

	1.47	2.91
	1.37	13.2
		19.8
1.30	1.86	3.86
0.38	2.55	5.24
0.10	1.10	5.71
	13.7	0.88
0.22	0.61	14.8
0.97	0.15	14.3
	2.02	7.89
1.34	1.66	20.5
0.68	0.96	17.9
	1.43	25.8
		18.0
	1.23	24.9
	1.10	5.37
1.16	0.57	4.46
		7.12
0.16	3.34	9.08
0.70	1.55	6.26
	1.79	9.93
0.34		10.3
		12.3
1.17	2.26	28.9
	1.26	5.82
0.80	8.77	2.83
0.44	1.14	20.2
0.93	7.00	12.4
	1.35	3.82
	0.39	27.3
0.20	2.14	24.9
	2.17	15.3
	26.4	28.5
	0.30	11.9
0.88	1.85	2.49
	0.99	10.6

	0.83	10.2
	1.62	7.13
	1.93	1.98
0.75	0.95	0.58
	1.46	13.8
0.14	1.34	13.1
	1.85	16.7
0.09	0.74	2.98
0.24	0.15	2.82
	2.21	3.88
0.10		12.1
0.04	1.04	16.7
	1.04	27.1
	0.04	11.0
		13.0
	1.34	8.99
		12.5
0.09	6.84	2.73
	1.55	12.2
	1.59	3.82
0.95	3.84	1.72
	1.39	5.35
	2.66	8.08
		11.8
0.08		28.4
	0.73	8.03
0.26		11.7
0.69		6.13
	0.72	6.65
1.19	1.88	4.17
		28.3
	8.28	19.8
	1.33	5.47
	0.55	15.4
0.51	1.80	0.41
0.55	0.79	13.4

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1.06	0.12	27.2
	0.27	2.35
		16.1
		10.3
0.28		11.7
	0.19	5.15
	1.13	17.9
1.19	1.53	7.38
1.29	2.88	28.9
	0.59	6.63
0.34	0.31	5.00
1.87	1.54	10.9
0.45	5.54	1.19
	1.00	3.17
	2.06	25.9
0.35		13.0
	1.05	7.66
1.54	1.18	17.9
0.44	2.89	25.9
0.14	0.15	18.4
	1.55	1.10
	2.11	8.81
	1.80	6.16
0.54	0.67	22.4
1.46	2.54	3.57
0.47	2.45	13.2
1.16	0.71	15.9
	1.10	12.7
		4.53
	0.06	20.8
	1.94	9.01
	0.48	1.78
0.94	0.64	4.02
		13.8
	0.94	3.07
0.04		7.66

		8.17
0.92	13.5	7.94
	1.63	16.8
	1.75	2.06
	1.17	11.7
	0.89	5.23
		3.44
	0.03	30.3
	0.46	11.8
	1.94	18.6
1.36	0.42	8.09
	0.20	19.8
0.93	1.10	
	0.73	22.4
1.21		31.5
0.78	0.16	6.80
	2.02	10.9
0.02		24.0
		12.9
	3.20	2.06
	1.21	6.55
0.41	0.17	16.0
0.67	0.63	4.13
0.50	1.69	24.0
2.85	2.07	21.5
1.40	1.95	20.3
1.71	1.10	13.2
	0.67	15.8
		22.5
0.52	0.95	6.81
	2.36	8.99
		18.4
0.18		16.4
	0.70	6.40
	2.18	6.47
0.99	1.89	20.1

0.89	1.02	10.4
0.22	0.87	2.36
	1.25	20.5
0.36	3.04	3.09
	0.47	1.18
		6.29
		16.9
0.19	8.14	1.25
		21.1
1.43	0.83	18.4
	0.16	4.51
0.30	1.56	24.8
	0.82	7.43
	0.97	6.84
1.27		2.35
	0.29	11.3
	0.29	13.1
	0.38	4.17
	0.60	4.60
	2.30	18.0
1.27	5.34	0.25
	0.28	5.00
	0.61	14.6
0.56	2.36	12.2
0.05	0.47	11.5
0.10		8.51
1.59	0.90	14.0
0.82	0.32	6.17
0.32		12.5
3.75	3.06	10.8
0.81	1.54	14.7
	0.79	24.8
	1.07	7.61
1.02	3.22	17.0
	1.82	21.1
1.91	2.57	13.7

	2.73	11.2
1.01	2.05	15.0
3.83	1.49	15.4
	0.79	13.0
0.84		8.99
0.20	1.59	10.9
		8.23
1.24	1.25	11.7
		18.5
	0.07	9.38
1.61	2.57	9.12
0.04	0.65	6.13
		27.1
	2.00	9.91
0.50	2.50	9.94
	1.93	7.05
0.29	0.21	10.7
0.15	0.63	5.63
1.18	0.42	1.93
1.24	0.74	2.71
0.51	2.87	4.38
	2.56	5.59
0.56	1.13	8.28
	0.26	24.0
0.43	1.17	16.8
0.67		17.7
		19.8
0.02	1.33	17.5
	2.62	12.9
	4.33	0.86
0.23	0.62	15.6
		17.6
3.64	1.99	17.1
0.17	2.08	18.6
0.48	2.29	27.8
0.83	4.21	7.11

		18.2
		13.7
0.79	1.02	19.9
0.53	8.40	
	1.24	11.5
0.08	0.66	6.35
	1.21	16.1
0.48	1.56	16.1
	0.18	22.5
	0.12	20.1
	6.24	3.43
0.03	0.83	14.4
1.79	4.92	1.03
0.48	3.15	2.94
	2.35	20.4
0.19		16.7
0.10	1.08	45.0
1.92	1.04	17.0
	3.53	28.5
0.70	1.23	2.02
0.18	0.11	22.1
	6.73	0.85
	7.94	5.58
	4.89	24.0
	15.1	2.11
	0.18	20.9
	2.12	3.11
2.59	2.34	3.67
	0.40	19.7
0.62		11.1
1.01	0.85	15.8
0.26	5.29	47.7
0.40	16.6	114
2.12		1.46
2.50	24.6	87.7
1.51	15.4	91.3

1.29	8.36	85.7
	9.23	68.5
1.18	10.6	15.9
	16.7	80.8
2.52	11.0	80.3
	10.1	40.1
2.27	12.3	54.5
2.71	1.45	53.2
1.31	8.39	28.8
2.14	5.52	20.1
1.36	24.5	77.0
0.74	3.53	0.01
1.10	3.85	4.51
1.74	5.73	66.6
1.95	18.3	122
0.03	32.5	102
2.92	11.1	61.2
1.91	22.8	106
1.28	11.7	103
0.27	10.2	99.5
1.64	28.0	109
0.68	11.8	102
	13.3	78.0
0.99	22.2	105
	14.2	92.5
1.15	5.00	56.6
0.96	19.1	76.3
0.71	19.3	36.9
0.90	12.0	97.1
2.79	22.7	122
	24.9	102
1.13	8.67	60.8
4.90	18.6	102
1.57	13.2	105
0.86	33.1	98.8
0.54	6.31	49.1

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0.42	18.9	121
0.10	3.40	1.72
2.86	26.1	108
0.91	22.6	121
1.77	2.35	17.0
0.03	19.8	104
0.25	11.3	69.0
0.40	26.6	102
2.66	27.1	104
0.63	22.3	145
1.56	27.5	99.2
1.08	5.50	42.0
1.58	29.8	44.4
10.7	5.31	15.2
7.11	14.5	51.0
0.73	4.27	23.5
2.44	5.51	62.4
1.46	7.67	21.3
0.22	4.20	30.7
1.18	16.3	72.7
1.39	23.1	21.6
1.58	6.59	29.0
	11.6	80.4
	15.9	43.8
1.37	18.4	33.3
	8.90	38.6
1.91	9.59	27.0
	12.3	89.8
1.25	7.09	63.0
1.05	7.96	59.9
3.67	9.76	24.1
0.08	8.21	25.2
	6.57	61.4
	14.9	39.9
4.15	2.22	27.2
0.46	9.69	14.9

1.70	30.1	188
1.40	21.9	75.7
2.07	4.43	74.4
2.22	3.23	0.23
	10.9	18.3
2.54	8.85	15.2
1.51	14.9	29.1
0.51	16.6	159
1.22	9.42	27.4
1.04	16.0	47.3
1.14	18.5	46.0
1.97	5.58	70.5
2.39	18.0	38.9
	16.7	44.7
0.81	31.7	121
4.14	18.6	73.1
	17.1	40.1
2.53	2.06	5.35
	20.0	122
0.57	10.6	43.2
0.69	6.74	7.02
	14.6	80.1
3.04	8.01	89.4
	11.0	116
0.88	10.8	7.88
0.30	18.9	51.5
1.26	3.40	5.53
	12.6	20.0
1.99	2.52	1.61
1.16	3.66	28.0
	24.1	41.0
2.36	14.8	41.3
0.14	18.5	77.9
1.49	16.2	52.6
1.11	2.17	23.2
	15.8	101

1.37	16.3	43.8
8.10	13.9	54.5
2.36	6.36	64.9
0.29	8.84	36.6
1.16	9.15	94.7
3.64	25.4	114
3.53	6.06	38.4
2.54	8.02	10.7
1.32	4.81	78.0
1.26	11.3	39.6
2.95	23.9	118
11.6	7.36	13.5
0.68	3.55	25.6
7.43	9.73	48.9
1.55	4.89	3.73
2.52	12.8	117
15.0	11.0	58.2
1.33	12.3	80.7
0.39	20.5	36.2
0.19	20.8	44.4
	16.3	44.8
	16.3	73.6
0.23	8.30	45.7
1.03	2.65	14.4
4.04	2.23	34.1
1.06	4.71	16.9
1.10	6.53	17.9
2.15	3.59	7.06
1.54	9.17	24.7
0.55	19.8	32.7
	19.1	38.2
0.45	15.3	29.9
0.15	23.6	51.3
	15.6	20.2
	1.89	53.3
0.56	7.91	15.4

1.25	23.3	72.1
0.62	18.5	13.8
	12.1	29.7
	10.9	39.2
0.40	1.53	40.0
0.56	24.2	81.0
0.94	14.0	59.2
1.70	3.25	21.5
0.38	10.3	47.2
1.57	14.4	60.4
	21.7	71.7
0.56	34.7	127
0.89	4.20	17.4
0.83	31.0	120
0.30	26.5	109
0.35	15.9	75.3
	14.0	36.1
	28.2	94.2
1.38	30.9	100.0
0.76	4.16	51.8
	10.4	86.8
3.98	13.0	42.9
	15.8	34.8
0.72	10.6	39.4
0.45	14.2	48.6
0.81	16.9	34.3
0.49	15.1	14.1
1.51	12.4	79.2
	26.9	84.3
0.38	28.0	96.9
0.67	5.88	26.1
0.39	2.86	69.4
0.99	31.9	100.0
1.43	12.5	19.1
0.06	21.7	38.7
	33.5	98.8

0.23	11.8	28.4
0.70	19.8	58.1
0.94	12.8	37.6
0.51	31.7	107

Sr	Y	Zr
5.52	1.65	36.9
0.44	14.6	37.4
1.08	30.8	102
3.03	16.0	64.4
0.46	24.3	106
0.55	16.2	70.8
	17.6	26.1
0.78	13.7	76.9
	23.4	55.1
1.07	6.45	10.4
1.29	11.4	20.7
0.70	1.74	8.90
	20.6	43.6
1.68	6.50	1.46
1.22	6.43	43.4
1.21		5.64
0.75	25.6	56.4
1.54	2.44	5.15
1.70	28.9	28.0
0.37	19.3	41.3
1.20	25.3	68.2
3.91	0.62	16.0
	21.7	49.6
18.8	2.17	50.0
1.49	6.96	67.5
0.91	16.4	36.8
0.65	1.75	12.2
1.54	12.2	45.0
7.90	1.00	23.7

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0.90	18.9	22.2
0.29	7.75	18.3
	14.9	35.7
0.35	3.38	68.2
7.75	0.67	7.37
	13.3	105
0.94	30.3	95.6
0.07	18.7	34.2
0.91	4.07	11.9
0.09	18.4	49.0
0.44	26.0	127
2.40	5.50	54.1
0.68	24.7	41.9
0.82	11.2	26.1
1.59	5.13	40.6
2.05	21.0	30.8
0.47	8.71	1.41
1.09	25.5	36.3
1.39	35.6	123
1.03	11.8	11.6
5.95	3.17	3.08
0.33	5.86	34.9
1.28	3.16	1.92
	6.78	69.6
0.31	15.7	15.7
2.19	13.1	58.7
	5.59	7.01
2.25	5.01	56.6
1.37	8.29	38.3
4.08	4.86	57.3
9.70	7.12	37.9
1.03	17.7	8.13
0.83	5.56	33.6
2.69	8.67	50.8
	4.54	52.0
1.65	5.86	36.8

1.24	7.69	33.9
6.63	2.88	13.4
	49.9	199
6.88	3.41	12.1
1.19	12.6	77.9
2.85	2.58	1.97
1.13	7.71	8.45
	8.38	3.12
8.93	3.83	6.31
7.58	0.29	9.78
2.31	10.6	68.0
0.72	5.31	33.2
0.29	4.15	61.7
2.38	7.12	3.44
2.29	12.2	10.4
	5.19	67.8
2.21	17.2	9.38
0.88	8.74	66.8
2.16	6.77	45.5
2.78	11.9	78.4
3.04	6.70	35.9
0.40	13.8	117
1.39	11.3	105
0.70	9.97	60.2
2.26	51.5	205
0.58	16.8	155
0.94	9.36	66.7
25.1	0.49	7.61
2.18	50.8	186
21.8	31.1	147
0.65	9.31	54.9
1.85	12.7	61.3
	28.0	288
4.55	19.8	81.1
1.80	9.17	58.9
1.03	34.5	115

1.75	11.1	51.5
10.3	0.10	
6.60	8.81	29.9
2.37	73.6	262
1.54	52.1	187
0.44	17.1	104
3.28	41.4	182
5.53	32.0	158
2.00	65.9	228
4.55	15.4	109
4.47	19.0	92.6
1.69	45.0	178
5.68	31.1	167
1.02	60.7	191
2.07	5.56	67.7
1.80	53.9	189
	39.6	165
1.13	28.5	157
0.84	19.1	86.0
5.39	1.80	8.42
0.26	20.9	95.9
2.02	12.6	104
	16.2	67.8
1.42	7.26	34.3
0.77	45.0	185
	15.5	50.2
0.65	16.8	53.0
	8.00	12.8
0.41	9.60	10.8
	32.9	93.4
	28.7	93.4
0.43	15.0	16.8
0.81	16.9	21.0
0.96	5.43	76.0
0.88	5.96	79.1
1.44	15.8	110

0.43	17.3	123
1.39	14.7	52.2
	14.9	59.1
1.89	28.3	92.9
1.78	14.3	82.5
	18.8	15.5
	16.7	19.9
0.57	11.5	19.1
0.21	13.1	18.7
0.18	7.89	13.0
0.37	7.25	17.4
1.77	1.69	
2.73	3.08	1.18
2.37	4.74	1.25
1.20	4.66	4.01
2.17	7.00	1.95
1.17	5.39	2.12
1.47	7.69	22.2
	9.62	17.1
1.98	2.72	3.33
1.18	2.35	4.19
0.05	14.6	64.6
1.06	14.1	63.0
2.57	14.2	75.8
1.11	14.2	85.2
0.13	9.22	17.7
1.49	10.1	28.6
1.88	4.08	1.57
	3.36	2.67
0.94	14.6	69.6
13.3	12.3	72.7
3.37	0.91	9.28
4.32	0.24	6.14
0.95	11.7	13.1
0.80	15.2	39.9
	3.29	9.54

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4.03	3.29	17.8
1.75	30.6	106
	19.0	29.0
0.26	11.8	47.3
0.23	13.5	15.7
0.95	11.7	9.25
2.10	3.59	9.96
1.47	4.44	1.20
0.24	1.98	12.6
1.09	4.85	28.3
	17.4	22.4
0.86	3.02	4.94
2.02	13.6	71.7
1.45	10.9	13.6
1.57	2.92	19.3
0.02	20.8	26.7
1.60	2.44	22.6
0.08	4.43	19.9
0.46	7.18	5.10
1.12	8.30	31.1
0.64	8.31	8.54
0.12	4.54	16.5
1.40	4.43	8.50
0.35	16.3	24.9
	25.6	74.6
	6.68	8.18
0.79	35.1	113
0.11	45.4	117
1.55	8.18	16.2
	17.9	18.4
1.36	0.66	1.31
	6.20	23.5
0.26	4.66	21.7
1.75	11.4	5.50
0.89	20.5	25.5
0.78	11.1	27.0

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0.17	17.9	19.0
0.36	21.3	31.0
0.20	19.2	35.4
0.38	16.3	6.85
	3.96	19.3
1.44		1.24
1.64	8.39	52.2
2.99	5.32	4.09
8.72	0.09	6.63
0.38	6.54	51.5
	10.7	22.0
0.47	2.37	1.77
1.15	8.67	9.00
1.20	2.81	1.60
11.7	0.99	17.7
4.86	2.50	28.5
3.54	2.71	26.0
1.49	18.4	20.7
0.02	37.2	148
9.48	4.31	20.6
3.42	3.61	29.3
0.55	15.1	104
2.06	31.5	148
0.15	32.0	99.1
2.80	20.2	108
2.92	15.3	130
0.46	33.3	102
2.77	18.7	96.5
0.36	34.2	156
0.83	9.84	19.3
0.75	1.64	0.15
9.71	3.79	20.8
1.35	13.2	90.3
2.76	3.50	11.9
2.11	0.56	0.20
	15.4	99.9

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2.80	17.5	35.1
5.68	3.45	11.7
3.49	34.7	147
1.01	2.45	20.4
	32.6	144
8.89	3.26	19.7
0.13	13.8	94.8
1.87	1.18	34.7
8.72	27.9	124
0.58	33.1	90.0
0.74	13.5	90.9
1.69	35.6	124
0.56	13.0	86.4
10.1	2.64	19.7
0.84	20.9	95.6
	32.6	94.3
3.19	8.29	71.5
2.70	4.67	29.8
	10.7	28.4
1.15	17.8	25.8
4.36	3.83	27.1
1.33	19.1	101
9.40	3.76	21.4
2.23	16.3	108
3.33	5.73	24.2
5.67	8.03	47.3
2.29	13.4	106
10.1	2.64	17.6
1.11	15.9	103
1.32	11.6	129
0.93	5.53	15.3
0.99	35.3	93.0
10.2	2.47	20.4
8.81	4.71	23.5
3.78	1.44	
4.30	2.70	26.0

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1.04	4.32	4.22
0.72	1.88	2.30
0.16	36.8	148
4.10	2.49	26.7
1.68	2.95	26.3
1.38	15.7	101
0.51	6.43	37.3
2.21	13.8	98.5
14.0	2.79	30.5
2.34	2.57	29.6
5.81	0.62	4.94
	36.8	147
	23.9	97.9

Sr	Y	Zr
0.87	13.3	62.0
2.74	2.00	13.5
1.40	9.69	6.66
0.77	4.07	23.5
	4.30	40.7
1.08	6.61	35.0
0.38	5.29	6.15
1.11	6.96	4.48
0.85	7.43	4.93
1.59	5.37	3.58
1.01	12.7	8.98
	5.86	35.3
3.73		9.94
0.34	14.6	74.8
	7.36	4.42
1.18	16.2	165
	3.62	5.37
17.3		2.25
2.06	7.23	164
3.28	3.88	9.23

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0.83	7.63	128
1.69	3.43	76.3
1.00	7.74	8.30
1.58	14.9	88.7
0.65	6.70	7.02
1.15	7.28	96.9
1.62	14.8	70.6
1.80	0.87	4.52
0.61	5.70	4.66
0.99	11.2	6.08
	12.3	8.42
1.32	14.4	88.3
	5.58	36.9
10.0		8.75
3.13	11.7	40.3
1.20	1.72	10.0
1.20	3.40	7.18
	7.38	4.02
0.88	10.2	6.50
0.36	7.07	32.8
2.57	16.4	90.4
0.61	11.0	7.86
0.92	3.70	56.0
1.22	8.35	6.78
2.13	5.34	4.04
0.44	7.11	30.0
2.72	5.07	4.46
1.88	7.60	46.7
0.96	18.2	67.1
	6.91	4.28
2.92	10.5	37.2
17.6	3.60	7.08
	7.14	31.2
0.32	9.17	10.2
2.58	2.33	102
0.73	11.4	93.1

1.74	16.2	41.6
3.78	9.57	89.8
	4.14	15.9
	17.6	48.6
2.31	5.39	47.9
2.23	36.2	48.1
14.8	3.12	6.69
2.57	34.3	58.8
1.49	9.37	37.7
	30.5	50.4
1.77	9.26	37.6
2.64	9.85	79.9
2.49	20.6	75.1
2.38	3.65	42.0
16.7	1.40	4.10
1.69	0.51	16.1
2.43	3.35	41.3
1.87	25.4	117
0.01	7.01	54.3
2.36	13.5	98.0
17.1	1.86	5.17
1.43	2.13	46.3
1.29	2.58	42.2
5.03	0.68	3.85
1.24	8.17	123
	20.1	47.8
1.87	9.72	87.2
18.1	3.39	8.28
1.75	11.5	46.4
1.50	7.56	81.2
1.09	6.83	49.8
1.89	20.8	160
1.75	9.24	11.8
	8.45	10.9
1.19	9.95	13.4
	8.62	15.3

	10.3	15.5
	6.69	11.4
0.03	7.06	8.45
0.05	6.30	12.1
1.06	9.65	12.1
0.92	20.3	14.4
	20.2	13.9
0.30	21.3	17.3
2.73	15.1	14.6
0.02	7.38	12.8
	6.29	11.4
	17.7	18.3
	8.77	17.0
1.12	7.86	11.4
	7.45	13.3
	7.82	12.7
0.07	7.40	13.7
0.71	7.46	16.3
0.31	6.43	15.8
0.33	34.9	5.09
	22.0	14.1
	15.5	17.4
0.01	9.24	11.1
	19.1	17.0
	7.95	13.3
0.34	7.70	14.7
0.64	11.5	9.21
0.71	9.24	16.6
0.96	17.8	17.3
0.21	7.34	16.8
0.69	17.7	20.4
0.72	9.72	9.87
0.58	9.21	10.6
	9.33	13.2
0.93	8.59	13.0
0.70	1.28	57.6

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0.92	17.2	95.6
5.63	0.65	1.66
0.18	3.88	2.93
5.84	0.44	2.10
	21.3	23.3
0.08	17.4	14.0
0.91	16.1	90.4
	18.2	13.0
0.37	4.03	9.34
	7.89	13.6
1.73	10.5	105
0.10	27.2	20.7
	14.4	70.8
0.28	15.7	109
	8.57	14.1
0.12	21.1	24.0
0.91	30.1	110
	11.3	2.49
0.10	8.37	11.8
0.52	18.5	64.1
0.10	5.87	15.4
	17.8	12.8
0.95	17.0	94.3
4.17	0.55	2.35
0.88	18.1	94.6
0.10	23.0	34.6
0.92	17.1	96.8
2.96	0.94	5.96
	19.9	22.6
1.03	16.4	70.7
3.20	0.67	2.41
0.21	8.37	8.39
0.07	21.2	26.2
0.73	7.47	53.9
0.09	18.4	18.4
	9.03	16.1

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0.06	20.5	21.2
1.73	0.39	0.44