Supplemental Table 3c: The average composition of low-Ca pyroxene from on and around Atlantis Bank. Mineral (opx), core (c), rim (r), r-c (core to rim traverse), notes, number of analyses (#).

	Averages											Standard deviations										
Sample # and placement Mode 98	SiO_2	TiO_2	Al_2O_3	Cr_2O_3	FeO	MnO	MgO	CaO	Na_2O	Total	Mg#	SiO_2	TiO_2	Al_2O_3	Cr_2O_3	FeO	MnO	MgO	CaO	Na_2O	Total	Mg#
6K-460-14 opxc(10)	52.20	.42	1.08	.02	20.88	.50	19.75	5.24	.10	100.2	63.6	.77	.12	.40	.01	5.93	.13	3.01	8.42	.19	.66	4.64
6K-460-14 opx c-r(8)	52.80	.31	.84	.01	23.17	.55	21.19	1.49	.02	100.4	62.0	.57	.06	.04	.01	.36	.02	.40	.11	.03	.88	.66
6K-460-14 opxr(10)	52.89	.36	.84	.02	23.31	.54	21.01	1.55	.01	100.5	61.6	.44	.03	.04	.01	.18	.02	.17	.08	.01	.63	.23
6K-466-8 a1 opx(2)	51.40	.32	.83	.00	25.34	.67	19.47	1.12	.01	99.2	57.8	.17	.11	.02	.00	.11	.04	.30	.12	.01	.21	.47
6K-466-8 a1 opx c-r(8)	51.65	.35	.78	.02	25.14	.64	19.66	1.41	.17	99.8	58.2	.17	.03	.07	.01	.37	.04	.18	.20	.06	.40	.44
6K-466-8 a2 opx (inside cpx) c-r(7)	52.59	.22	.73	.01	24.89	.66	20.86	1.04	.01	101.0	59.9	.49	.04	.02	.02	.23	.03	.22	.11	.02	.60	.12
6K-466-11 opx(4)	51.19	.30	1.67	.03	24.86	.60	18.51	1.85	.18	99.2	57.0	1.48	.08	1.32	.01	1.04	.06	1.54	1.37	.27	1.66	1.13
6K-466-11 opxc(6)	52.54	.35	.89	.02	23.33	.58	20.65	1.57	.00	99.9	61.2	.29	.02	.03	.01	.47	.02	.20	.39	.00	.72	.28
6K-466-11 opxr(6)	52.14	.32	.82	.02	23.88	.60	20.37	1.31	.00	99.5	60.3	.18	.03	.03	.01	.54	.02	.16	.12	.00	.77	.38
6K-467-12 opx r-c-r(pl)	53.23	.45	1.35	.00	18.72	.42	23.86	1.84	.04	99.9	69.4	.36	.09	.07	.01	.25	.03	.26	.39	.02	.47	.25
Leg ABCDE																						
6K-645-R18 opx(5)	52.44	.43	.78	.02	25.77	.40	19.73	1.81	.01	101.4	57.7											
6K-649-R06-2 opxr(4)	52.58	.44	2.41	.03	16.95	.34	24.98	1.08	.01	98.8	72.4											
6K-643-r08 opxr(7)	53.82	.47	1.69	.00	16.73	.35	25.62	2.26	.05	101.0	73.2	.64	.04	.04	.01	.17	.02	.43	.12	.05	1.08	.36
6K-643-r08 opxc(9)	54.00	.43	1.70	.00	16.73	.39	25.85	2.13	.03	101.3	73.4	.22	.03	.05	.00	.30	.04	.34	.58	.03	.42	.21
BGS Cores																						
BGS-16-1-1 7-12 opxc	52.37	.36	1.02	.01	23.79	.59	20.36	1.61	.05	100.2	60.4	.36	.08	.08	.01	.45	.03	.18	.40	.01	.75	.42
BGS-16-1-1 7-12 opxr	52.39	.34	.92	.02	23.76	.61	20.36	1.66	.04	100.1	60.4	.30	.04	.05	.01	.36	.06	.13	.19	.01	.49	.41
BGS-16-1-1 7-12 opx c-r(10)	52.30	.33	.75	.00	24.08	.67	20.10	1.63	.00	99.9	59.8	.24	.03	.05	.00	.34	.02	.16	.18	.01	.39	.39
BGS-20-1-6a a2 opx r(cpx)-r(pl)(6)	54.26	.36	1.15	.03	17.68	.42	26.35	1.24	.00	101.5	72.7	.22	.11	.08	.01	.17	.04	.34	.26	.00	.30	.32
BGS-20-1-6a a3 opx r(ol)-r(pl)(12)	53.94	.40	1.24	.03	18.23	.45	25.76	1.40	.01	101.5	71.6	.22	.07	.04	.01	.30	.03	.14	.24	.02	.44	.31
BGS-20-2-6b a2 opx(inside ol)(6)	53.94	.13	1.02	.03	18.03	.37	25.91	.80	.09	100.3	71.9	.28	.02	.06	.02	.14	.03	.11	.07	.04	.21	.16
BGS-23-1-2e opx(9)	52.85	.19	.77	.00	21.25	.49	22.65	1.28	.03	99.5	65.5	.39	.03	.05	.00	.39	.04	.15	.07	.03	.53	.40
BGS-24-1-3c 21-24 opx(11)	52.79	.26	.88	.00	22.67	.56	22.08	.98	.03	100.2	63.4	.20	.02	.02	.00	.21	.05	.06	.01	.02	.25	.23
BGS-24-1-3c 21-24 opxr(7)	52.77	.26	.86	.00	22.67	.55	22.10	.98	.02	100.2	63.5	.99	.04	.11	.00	.28	.05	.11	.07	.02	.92	.38
BGS-24-1-3h 51.5 opx(6)	52.69	.39	1.12	.00	20.73	.52	22.27	1.58	.00	99.3	65.7	.32	.03	.03	.01	.40	.03	.20	.30	.01	.50	.34
BGS-24-1-3k 77 opx(6)	55.17	.29	.94	.00	18.92	.45	25.14	1.12	.00	102.0	70.3	.47	.10	.11	.01	.36	.03	.19	.44	.00	.96	.48
BGS-27-1-1A 3 opx(6)	56.67	.28	1.13	.01	16.12	.37	27.55	.88	.00	103.0	75.3	.54	.06	.11	.01	.25	.01	.35	.11	.00	.75	.37
BR Cores																						
BR-6-1-1g 20.5-24.5 opx c-r(7)	51.80	.29	1.52	.00	9.18	.20	14.85	21.67	.02	99.5	74.3	1.04	.05	.13	.00	1.47	.03	.17	.50	.01	.48	3.00
BR-8-1-5d 34-36 opx c-r	54.68	.16	.97	.00	16.33	.37	26.25	.83	.01	99.6	74.1	.42	.03	.12	.00	.30	.02	.21	.04	.01	.16	.44
BR-8-1-5g 69-71.5 opx r-r	53.66	.29	1.27	.00	16.74	.37	25.49	1.07	.04	98.9	73.1											
BR-8-2-5h opx(2)	54.50	.22	1.14	.00	15.51	.32	27.58	.95	.00	100.2	76.0	.11	.02	.01	.00	.58	.02	.08	.01	.00	.33	.74
BR-8-2-5m 18.5-23 opx c-r(8)	53.80	.27	1.28	.01	14.29	.31	27.89	.84	.01	98.7	77.7	1.11	.05	.15	.01	.42	.03	.91	.10	.01	1.14	.71
JR31 Dredges																						
JR31-12-6 opx c-r(10)	53.93	.51	1.47	.05	18.01	.39	24.88	1.96	.00	101.2	71.1	0.31	0.13	0.06	0.02	0.43	0.03	0.38	0.32	0	0.43	0.74
JR31-12-28 opxc(10)	52.39	.39	.94	.00	22.25	.51	21.51	2.05	.05	100.1	63.3	0.19	0.12	0.08	0	0.37	0.04	0.31	0.58	0.04	0.37	0.4
JR31-12-28 opxr(pl)(9)	52.23	.39	1.00	.00	22.50	.52	21.37	1.67	.06	99.8	62.9	0.41	0.03	0.05	0.01	0.62	0.03	0.26	0.33	0.04	0.76	0.71
JR31-12-28 opx(5)	52.45	.38	.93	.00	22.43	.50	21.31	1.70	.04	99.7	62.9	0.37	0.05	0.07	0	0.55	0.03	0.26	0.3	0.04	0.79	0.48
JR31-12-45 opx(6)	53.51	.35	1.33	.00	17.35	.37	24.41	1.78	.04	99.1	71.5	0.48	0.08	0.1	0	0.6	0.05	0.33	0.34	0.03	0.2	0.83
JR31-39-4 opx(6)	51.88	.32	.81	.01	25.39	.63	19.42	1.54	.00	100.0	57.7	0.13	0.04	0.03	0.01	0.12	0.03	0.1	0.15	0	0.17	0.18
JR31-39-17 opx c-r(6)	51.28	.33	.74	.01	24.48	.61	19.79	1.68	.02	98.9	59.0	0.19	0.05	0.04	0.01	0.46	0.03	0.14	0.19	0.01	0.44	0.49