Loc	Rock	Sample	Ol Fo	Opx Mg#	Opx Wo	Cpx Mg#	Cpx Wo	Pl An
GA	FG	91D-06				60.93	40.28	41.98
GA	GN	91D-06		65.82	3.52	72.20	41.21	56.61
GA	MIGNO	91D-06	65.99	72.09	1.65	75.71	39.92	60.72
GA	MGO	91D-07-01				89.83	46.94	72.92
GA	FG	91D-07-02		64.26	3.36	61.78	40.37	41.10
GA	FGN	91D-07-05		54.47	3.29	64.75	40.93	40.33
GA	GO	91D-09	84.30	83.53	1.83	87.00	41.83	72.30
GA	GO	91D-10	84.05	84.49	3.25	87.79	44.52	71.33
GA	PLDU (troctolite)	91D-11	86.81					79.60
GA	PLDU	91D-12	89.40					70.95
GA	PLDU	91D-14	88.90	89.51	3.32	90.40	44.00	
GA	PLDU	91D-15	88.84			91.21	44.66	78.51
GA	PLDU	91D-16	89.21	89.52	3.21	92.02	46.59	76.64
GA	FG	91D-17				67.52	41.75	
GA	PLDU	91D-C2	89.42			92.47	48.07	
GA	MG	GN-01-07				80.49	45.76	60.97
GA	PLDU	GN-03-03	86.35			88.19	43.02	76.87
GA	MIGO	GN-03-04		71.99	3.88	73.10	40.62	60.46
GA	MIGO	GN-03-04 (oikocryst)		77.06	4.70			
GA	MG	GN-03-05				85.35	45.88	73.74
GA	FGv	GN-03-06	65.26	66.81	3.96	64.67	39.71	37.55
GA	PLDU	GN-03-07	85.92			87.85	38.99	
GA	DUN/Gv contact	GN-03-08	82.31			81.64	43.78	69.39
GA	FGv	GN-03-08ar				70.04	44.25	
GA	Gv (microvein)	GN-03-09	90.01			91.70	43.55	76.53
GA	GT	GN-03-10	87.97			88.95	43.98	80.39
GA	MIGO	GN-03-11	69.21	73.33	4.03	74.99	38.69	60.94
GA	G	GN-03-12				83.75	43.45	68.19
GA	DUNz/GOv contact	GN-03-14a	78.32	81.04	4.62	83.83	41.78	66.90
GA	GOv	GN-03-14a	77.17			85.54	44.90	69.97
GA	PLWH impregnatio	GN-03-14b	82.21			85.07	42.86	71.15
GA	FGv	GN-14-01a		64.16	2.59	70.32	45.65	
GA	Gv	GN-14-01a	80.25					
GA	Gv (microveine)	GN-14-01b	88.36			90.60	45.89	65.88
GA	GNv	GN-14-01c		65.50	18.67	71.93	43.69	56.66
GA	Gv	GN-14-01d				85.44	38.38	54.55
GA	MYFGv	GN-14-01d		68.20	2.95	68.54	42.11	37.30
GA	PLDU	GN-14-02	85.07			87.15	44.49	69.36
GA	Gv (microvein)	GN-14-09				88.50	42.43	
GA	GO	GN-14-10				84.00	41.72	76.38
GA	GO	GN-14-11	82.17	83.53	1.90	85.70	42.20	75.58
GA	Gv (microvein)	GN-14-12	87.21			89.26	45.28	75.85
GA	Gv	GN-14-14br		77.36	4.07	81.96	40.26	63.68

Loc	Rock	Sample	Ol Fo	Opx Mg#	Opx Wo	Cpx Mg#	Cpx Wo	Pl An
GA	GO	GN-15-03				86.86	44.86	75.72
GA	MG	GN-15-06				78.41	46.14	55.06
GA	PLDU	GN-15-07						
HD	LGO	NZ-01-04				88.30	45.13	84.88
HD	MGO	NZ-01-05				86.20	44.41	83.22
HD	LGO	NZ-01-06	84.76			86.84	45.75	84.69
HD	GN	NZ-01-08		79.91	4.54	84.61	39.90	82.76
HD	GN	NZ-02-02		78.80	2.45	81.04	42.80	74.83
HD	DIA	NZ-02-11				72.25	37.45	83.72
HD	MIFG	NZ-05-02				72.92	40.88	59.03
HD	MG	NZ-05-04				80.19	45.02	64.96
HD	MG	NZ-05-05				79.75	46.09	62.80
HD	MIFG	NZ-05-08				68.82	42.84	51.17
HD	MIFG	NZ-05-09				71.98	40.63	61.89
HD	MIFG-DIA	NZ-09-05				68.07	37.53	53.44
HD	LTR	NZ-09-06	86.73			88.63	44.69	85.20
HD	PLDU	NZ-09-07	88.45			90.25	45.18	87.42
HD	DUN (trace pl)	NZ-09-08						
HD	DUN (trace pl)	NZ-09-09						
HD	LTR	NZ-09-10	87.97					86.91
HD	MG	NZ-09-14				81.60	45.78	68.63
HD	G	NZ-09-16						68.60
HD	G	NZ-09-16		77.23	1.66	81.84	44.57	73.52
HD	GO	NZ-09-17	72.96			82.63	45.32	67.36
HD	MIFG	NZ-09-20				72.96	40.49	49.81
HD	DIA (ol porphyr)	NZ-10-07	84.97			74.20	39.16	66.99
HD	GN	NZ-10-09				76.57	40.79	66.15
HD	MG	NZ-10-11				77.19	44.59	
HD	DIA metamorph	NZ-10-13				73.68	40.99	
HD	FGN	NZ-10-16				71.25	42.78	54.78
HD	DIA	NZ-16-10				65.21	31.59	51.24
HD	GO	NZ-17-06				88.60	45.25	85.14
HD	G	NZ-17-15				75.30	44.71	65.36
HD	GO	NZ-18-03	78.27			82.77	42.07	73.56
HD	MG	NZ-18-06A				74.37	42.33	55.79
HD	MG	NZ-18-09				77.27	46.70	57.55
HD	MG	NZ-18-13				70.69	46.72	
HD	DIA	NZ-20-02				72.60	34.20	57.45
HD	DIA-MIG	NZ-20-02		66.82	4.16	66.15	37.93	57.89
HD	DIA-MIG	NZ-20-05		65.87	4.19	68.91	38.17	55.21
HD	DIA-MIG	NZ-20-06				65.24	39.95	58.21
PD	DIA	09DS-01				75.19	34.72	60.42
PD	LTR	11DS	87.61			88.98	46.54	85.41

Loc	Rock	Sample	Ol Fo	Opx Mg#	Opx Wo	Cpx Mg#	Cpx Wo	Pl An
PD	LTR	11DS-01	86.79	87.56	0.61	90.84	46.30	84.89
PD	LTR	11DS-02	85.50	85.90	1.21	88.47	45.42	85.83
PD	DIA	11DS-03				74.15	38.36	80.17
PD	LTR	11DS-66	85.73			89.64	44.76	85.96
PD	GO	12GTV	76.84			81.71	40.92	66.89
PD	G	18DS-03						66.27
PD	GO	18DS-04	73.70	77.13	1.91	79.56	44.09	66.73
PD	G	18DS-05	72.76	76.48	1.95	80.38	45.30	65.62
PD	MIG	18DS-06		75.69	2.61	80.89	44.22	69.23
PD	GO	18DS-07	72.89			79.61	43.90	68.81
PD	GO	18DS-08	75.91			82.96	44.26	66.04
PD	G	18DS-09				79.74	43.82	65.37
PD	G	18DS-10		75.97	2.49	78.41	41.17	66.38
PD	MIGO	18DS-10	74.49	76.90	3.19	80.56	42.61	65.87
PD	G	18DS-11				79.97	44.61	66.21
PD	MIG	18DS-11				81.42	44.13	66.68
PD	GO	18DS-12	74.43	77.81	2.22	82.24	44.08	65.61
PD	GO	18DS-12						80.65
PD	DIA (matrix)	PI-04-04				77.21	36.24	62.07
PD	DIA (phenocx)	PI-04-04				85.73	41.74	74.31
PD	GO	PI-06-01	71.96			78.40	43.84	64.17
PD	G	PI-06-02				76.20	43.54	64.99
PD	G (grain rim?)	PI-06-02						58.76
PD	GO	PI-06-03	77.04	79.68	2.43	82.87	42.47	67.33
PD	FG	PI-06-06				77.18	45.27	64.17
PD	FG (grain rim?)	PI-06-06						58.12
TV	MGv	83DS-08				86.86	42.81	
TV	MGvz	83DS-08				85.76	42.49	
TV	FGM	83DS-18		53.85	2.68	62.68	41.55	33.21
TV	FGv	83DS-24						45.55
TV	FGvz	83DS-24				85.46	38.17	54.81
TV	MGv	83DS-26				84.58	43.23	65.82
TV	MYGv	83DS-28				90.73	44.39	
TV	MG	83DS-30				75.60	44.77	
TV	G	83DS-32				84.32	42.88	65.88
TV	DIA (matrix)	83DS-34				71.48	32.09	54.20
TV	DIA (microphx)	83DS-34				84.87	38.71	
TV	FGM	83DS-35						45.41
TV	DIA (matrix)	83DS-38				75.61	41.67	53.56
TV	DIA (microphx)	83DS-38						74.21
TV	DIA (phenocx)	83DS-38						81.19
TV	FG	83DS-40		58.92	7.83	67.56	40.62	46.51
TV	MIGOv (interm.)	83DS-42				86.61	44.49	

Loc	Rock	Sample	Ol Fo	Opx Mg#	Opx Wo	Cpx Mg#	Cpx Wo	Pl An
TV	MIGOv (middle o	83DS-42	75.40	85.46	1.88	84.02	44.97	58.04
TV	MIGOvz	83DS-42				90.99	46.75	
TV	MGv	83DS-M01				93.29	45.30	
TV	Gvz	83DS-M09				86.77	45.13	55.63
TV	Gz	83DS-M09	87.47					
TV	MIGv	83DS-M09				82.42	45.14	64.57
TV	PLDU	83DS-M11	88.41	89.40	3.01	90.49	42.94	82.33
TV	FGv	83DS-M12				40.74	40.14	
TV	FGOv	83DS-M12r	26.08			46.10	38.15	26.72
TV	MBAS intrusion	83DS-M13						49.10
TV	MBAS intrusion	83DS-M13						62.55
TV	MG	83DS-M13						81.03
TV	MG	83DS-M13						81.03
TV	MYGv	83DS-M14		85.55	1.89	88.57	46.77	
TV	MYGvg	83DS-M14				90.10	46.17	58.15
TV	MGv	83DS-M15				91.06	44.90	
TV	FGv	83DS-M153				69.96	42.27	
TV	PLDU	83DS-M153	86.09			91.44	48.71	69.18
TV	PLDUz	83DS-M153	83.77					58.65
TV	FGv	83DS-M16				75.76	43.73	54.99
TV	Gv	83DS-M16				81.26	44.23	45.47
TV	Gvz	83DS-M16						
TV	MYFGvg	83DS-M16				69.29	43.31	47.84
TV	FG	83DS-M17						50.74
TV	FG pegmat	83DS-M17				81.19	41.86	60.67
TV	PLDU	83DS-M18	88.33	88.87	1.70	91.70	44.85	
TV	MYGv	83DS-M19		86.81	1.97	91.24	47.56	59.34
TV	MYGvg	83DS-M19		87.30	1.16			
TV	FG	83DS-M20				64.14	43.51	42.54
TV	FG	83DS-M20				77.93	43.94	
TV	FGv	83DS-M21	30.82			54.64	37.76	29.93
TV	Gv	83DS-M22				77.20	41.18	35.54
TV	MIGOv	83DS-M22	75.79			84.23	45.71	64.17
TV	MGv	83DS-M25				81.85	42.71	
TV	MGvf	83DS-M25						
TV	Gvz	83DS-M28b				92.65	46.95	
TV	Gvz	83DS-M28b				92.06	43.86	
TV	MYFGv	83DS-M28b				48.93	39.52	33.64
TV	MYFGvg	83DS-M28b		67.11	2.48	65.36	42.01	
TV	Gz	83DS-M33		75.90	2.54	83.19	44.37	51.60
TV	FGvz	83DS-M36						
TV	MYGv	83DS-M39b				90.20	47.55	60.32
TV	DIA (matrix)	PI-16-02				75.06	38.43	56.47

Loc	Rock	Sample	Ol Fo	Opx Mg#	Opx Wo	Cpx Mg#	Cpx Wo	Pl An
TV	DIA (phenocx)	PI-16-02				82.88	41.87	68.29
TV	GZ	PI-16-05				86.72	43.99	58.18
TV	GA	PI-16-08						58.95
TV	PLDU	PI-16-09	86.59					83.06
TV	Gv	PI-16-10				88.84	45.77	62.11
TV	DIA (matrix)	PI-16-11				79.05	36.65	69.21
TV	DIA (phenocx)	PI-16-11				85.41	41.33	84.37
TV	DIA (matrix)	PI-16-14				78.33	41.98	68.79
TV	DIA (phenocx)	PI-16-14				85.35	42.88	75.31
TV	PLDU	PI-17-02						
TV	FG	PI-17-04				39.35	45.66	
TV	FG	PI-17-04				65.18	42.12	40.09
TV	PLDU	PI-17-06	87.50			90.83	47.57	83.65
TV	FGA	PI-17-07				73.78	41.50	50.06
TV	DIA	PI-17-10				74.04	42.75	67.46
TV	DIA (matrix)	PI-17-12A				79.99	40.04	64.81
TV	DIA (phenocx)	PI-17-12A						81.08
TV	GO	PI-18-01				76.92	41.78	75.00
TV	GO	PI-18-02	68.57			82.61	43.64	64.97
TV	DIA	PI-18-06	89.26					
TV	DIA (matrix)	PI-18-06				76.21	40.70	79.87
TV	DIA (phenocx)	PI-18-06	89.26					
TV	GA	PI-18-08				77.55	44.80	59.72
TV	GO	PI-18-10				77.64	45.30	61.77
TV	MIGN	PI-18-12		72.16	3.66	75.62	43.97	62.99
TV	G	PI-18-14				77.63	45.24	67.03

Locality: GA= Garrett T.F., HD= Hess Deep, PD= Pito Deep, TV= Terevaka T.F.
Rock type: BAS= basalt, DIA= diabase, FG= ferrogabbro, G= gabbro, GN= gabbronorite,
(continued): LTR= leucotroctolite, MG= metagabbro, MIG= microgabbro, MYG= mylonitic gabbro,
(continued): MYFG= mylonitic ferrogabbro, PLDU= plagioclase dunite.
Suffix to rock type: A= amphibole-bearing rock, g= granoblastic, O= olivine-bearing rock,
(continued): v= intrusive vein in peridotite, z= wall rock reaction zone of intrusion.
Sample documentation: 91D= Dredge 91 of SONNE12 cruise (Hebert et al., 1983; Cannat et al., 1990;
(continued): Bideau et al., 1991); GN= Garrett Nautile cruise (Hekinian et al., 1992, 1995);
(continued): NZ= Nazcopac Nautile cruise (Francheteau et al., 1990, 1992); 09DS, 11DS,
(continued): 12GTV, 18DS= Dredges of SONNE65 cruise (Stoffers et al., 1989; Constantin et al., 1995)
(continued): PI= Pito Nautile cruise (Francheteau et al., 1995; Hekinian et al., 1996);
(continued): 83DS= Dredges of SONNE80 cruise (Stoffers et al., 1992; Constantin et al., 1995).
Data sources of analyses listed in caption of figure 3 (Geology paper).