

## DR2003055

	SiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total
<b>Pitcairn</b>												
<b><i>Small Volcanoes</i></b>												
PNDR1-1	57.4	17.0		5.4	0.19	0.41	2.1	5.9	5.1	0.31	0.19	94.3
PNDR1-2	58.8	16.8		5.4	0.19	0.39	2.0	5.8	5.2	0.33	0.17	95.4
PNDR1-3	58.8	16.9		5.4	0.19	0.41	2.1	5.9	5.1	0.33	0.19	95.5
PNDR1-4	58.6	17.1		5.4	0.19	0.41	2.2	5.8	5.0	0.33	0.18	95.7
PNDR2-1	50.9	14.8		9.6	0.16	3.31	6.8	4.6	2.2	1.79	1.36	95.9
PNDR3-1	51.5	16.9		8.8	0.20	2.22	4.9	5.2	3.0	1.08	1.07	95.3
PNDR3-2	51.0	16.6		9.0	0.22	2.35	4.9	5.4	3.0	1.13	1.22	95.3
PNDR3-4	51.2	16.7		9.0	0.21	2.26	4.9	5.4	3.0	1.13	1.09	95.3
PNDR3-5	51.9	17.5		9.3	0.19	2.36	5.2	4.7	3.2	1.77	0.64	97.1
PNDR3-6	53.0	17.0		8.0	0.19	1.84	4.5	5.4	3.4	0.95	0.81	95.5
PNDR3-7	51.3	16.7		8.9	0.23	2.27	4.9	5.4	3.1	1.13	1.09	95.5
PNDR5-1	50.8	16.6		9.3	0.21	2.28	5.0	5.7	2.8	1.14	1.11	95.5
PNDR5-2	51.9	17.4		9.6	0.22	2.25	5.1	4.9	3.2	1.68	0.59	97.0
PNDR11-2	58.0	16.6		6.3	0.24	0.12	2.0	6.6	5.0	0.17	0.13	95.5
PNDR11-4	59.2	17.3		7.0	0.22	0.13	2.1	5.7	5.2	0.28	0.07	97.5
PNDR11-5	59.4	17.4		6.4	0.25	0.10	1.9	5.8	5.3	0.22	0.06	97.0
PNDR11-6	59.2	17.5		6.4	0.22	0.10	1.9	5.8	5.3	0.21	0.06	96.9
PNDR11-7	61.6	17.9		6.6	0.23	0.12	2.1	6.0	5.3	0.23	0.13	100.6
PNDR12-1	55.9	16.2		7.6	0.23	1.06	3.6	5.4	3.5	0.67	0.49	95.0
PNDR12-2	55.6	16.2		8.1	0.23	1.20	3.8	5.4	3.6	0.72	0.56	95.7
PNDR12-3	56.3	16.8		8.8	0.22	1.33	4.0	4.6	3.6	1.20	0.35	97.4
PNDR12-4	56.5	16.8		8.8	0.22	1.34	4.0	4.7	3.6	1.21	0.35	97.7
PNDR12-7	56.6	16.7		8.8	0.22	1.33	4.0	4.6	3.6	1.20	0.36	97.6
PN8-1	52.5	15.8		8.4	0.19	2.53	5.1	5.0	2.7	1.20	1.16	94.9
PN8-4	58.9	18.3		4.8	0.17	1.32	2.0	5.0	6.1	0.85	0.33	98.1
PN8-7	54.3	16.4		9.1	0.19	2.68	5.3	4.4	2.8	1.95	0.69	97.9
PN8-10	53.0	15.7		8.7	0.19	2.62	5.0	5.0	2.7	1.22	1.24	95.7
<b><i>Parasite Cones</i></b>												
PNDR13-2	58.5	17.8		6.8	0.19	0.79	2.9	5.1	4.6	0.73	0.22	97.8
PNDR13-4	56.8	17.1		6.5	0.20	0.76	2.7	6.0	4.4	0.46	0.35	95.7
PNDR13-5	60.0	18.1		7.2	0.21	0.85	2.9	5.4	4.5	0.78	0.39	100.5
PNDR13-6	58.1	17.9		7.1	0.19	0.84	2.9	5.1	4.5	0.75	0.21	97.9
PNDR13-7	57.2	17.2		6.4	0.20	0.78	2.8	5.8	4.4	0.45	0.36	95.9
PN13-5	60.0	18.1		7.2	0.21	0.85	2.9	5.4	4.5	0.78	0.39	100.5
PN13-11	58.9	17.0		5.5	0.18	0.41	2.0	6.1	5.0	0.31	0.21	95.9
PN13-14	58.7	17.1		5.5	0.18	0.42	2.0	6.1	5.0	0.31	0.21	95.8

**Large Volcanoes***Adams*

	SiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total
PNDR6-1	48.3	15.8		10.3	0.17	6.30	10.0	3.3	1.0	3.01	0.36	98.7
PNDR6-3	48.7	16.0		10.5	0.17	6.38	10.2	2.3	1.2	3.03	0.36	99.1
PNDR6-4	47.6	15.1		9.7	0.18	5.90	9.6	3.6	0.9	1.85	0.61	95.4
PNDR6-5	47.7	15.1		9.6	0.17	5.88	9.3	3.8	0.9	1.86	0.62	95.3
PNDR6-6	47.8	15.7		10.2	0.16	6.24	10.0	3.3	1.0	2.96	0.35	97.9
PNDR6-7	48.3	15.7		10.2	0.16	6.28	10.0	3.3	1.0	3.00	0.37	98.5
PNDR14-2	48.8	15.0		10.1	0.16	5.61	9.9	3.3	1.2	3.45	0.41	98.1
PNDR14-3	47.9	14.5		9.6	0.17	5.29	9.5	3.6	1.2	2.10	0.73	94.9
PNDR14-4	51.0	15.5		9.6	0.19	5.87	9.9	3.3	1.2	3.58	0.74	101.0
PN1-1	<b>61.0</b>	<b>17.5</b>		<b>6.2</b>	<b>0.19</b>	<b>0.50</b>	<b>1.9</b>	<b>5.5</b>	<b>4.8</b>	<b>0.47</b>	<b>0.14</b>	<b>98.4</b>
PN1-2	51.0	14.3		11.7	0.18	4.35	8.4	1.7	1.6	3.77	0.78	98.2
PN1-3	48.9	14.6		10.4	0.16	6.22	10.8	2.4	0.9	2.88	0.48	98.1
PN1-5	50.4	14.2		12.1	0.20	4.88	9.2	1.9	1.3	3.64	0.68	98.9
PN1-6	<b>50.0</b>	<b>15.3</b>		<b>9.6</b>	<b>0.16</b>	<b>5.90</b>	<b>9.1</b>	<b>3.4</b>	<b>0.9</b>	<b>3.11</b>	<b>0.34</b>	<b>98.2</b>
PN2-1	53.8	15.9		10.1	0.18	3.59	7.0	4.0	2.4	2.96	1.42	101.8
PN2-4	47.8	15.9		9.9	0.16	5.76	9.4	3.6	1.5	3.35	0.48	98.1
PN2-5	48.1	15.7		10.1	0.15	6.51	9.4	2.4	1.5	3.26	0.75	98.2
PN9-1	49.4	14.8		10.4	0.18	6.60	11.4	2.5	0.8	2.73	0.47	99.7
PN9-7	49.2	14.7		10.4	0.17	6.63	11.2	2.5	0.8	2.78	0.48	99.2

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PN5-4	54.3	14.9		1.2	0.21	3.57	6.7	4.1	2.2	3.24	1.12	101.9
PN12-2	52.4	14.7		10.9	0.18	3.70	6.8	1.5	2.0	3.03	0.92	96.4
PN11-1	48.7	15.8		10.0	0.13	5.07	8.6	2.0	1.8	4.00	0.81	97.0
PN11-2	48.2	15.8		9.7	0.16	5.08	8.6	1.9	1.7	3.99	0.80	96.3
PN11-4	49.2	15.3		9.9	0.17	4.01	8.0	4.1	2.2	3.90	0.71	97.7
PN14-13	49.3	14.9		9.7	0.17	4.06	7.5	4.4	1.6	2.17	0.91	95.2
PN14-8	48.5	15.4		9.5	0.15	5.13	8.1	4.2	1.3	2.12	0.76	95.6
PN14-6	49.7	14.8		9.2	0.16	5.39	8.7	3.9	0.9	1.95	0.57	95.6
PN14-1	49.3	14.8		10.2	0.17	4.33	3.6	1.7	1.8	3.62	0.76	95.3
PN3-11	49.3	15.7		9.9	0.16	4.87	9.3	3.9	1.6	3.51	0.49	99.1
PN3-8	47.8	16.3		9.7	0.15	5.27	8.8	2.0	1.7	3.45	0.67	96.3
PN3-7	49.8	16.4		10.0	0.17	5.47	10.2	3.8	1.4	3.17	0.75	101.6
PN3-6	48.1	15.9		9.9	0.15	5.43	10.3	3.7	1.4	3.12	0.42	98.8
PN3-5	48.0	15.8		10.0	0.17	5.57	10.3	2.2	1.4	3.10	0.56	97.3
PN3-4	48.5	15.8		10.1	0.16	5.15	9.6	3.9	1.4	3.17	0.43	98.7

**Societies****Small Volcanoes***Volcano 4*

PN16-1	62.3	18.2		5.5	0.17	0.42	1.8	5.0	5.6	0.30	0.25	99.8
PN16-2	59.3	17.8		6.7	0.20	0.65	2.1	4.8	5.5	0.38	0.44	98.2
PN16-4	62.6	18.0		5.8	0.19	0.44	2.2	5.0	5.3	0.36	0.45	100.6
PN16-5	63.8	18.9		3.1	0.20	0.74	1.1	5.9	6.1	0.49	0.21	100.9
PN16-9	63.3	18.9		3.2	0.20	0.75	1.1	6.1	6.1	0.51	0.26	100.7
PN16-10	63.2	19.0		3.3	0.19	0.78	1.2	6.1	6.1	0.50	0.25	100.7
PN16-11	63.6	18.9		2.9	0.20	0.66	1.1	6.1	6.1	0.47	0.21	100.6
PN16-12	63.8	18.9		3.0	0.18	0.67	1.1	6.0	6.1	0.48	0.21	100.7
DTH04-01*	61.5	18.0	4.1	0.0	0.17	0.89	1.4	7.1	6.0	0.63	0.36	100.0

<i>Volcano 5</i>												
DTH01-03*	59.5	18.5	6.0	0.0	0.34	0.21	1.0	8.9	5.3	0.12	0.11	100.0
	<b>SiO2</b>	<b>Al2O3</b>	<b>Fe2O3</b>	<b>FeO</b>	<b>MnO</b>	<b>MgO</b>	<b>CaO</b>	<b>Na2O</b>	<b>K2O</b>	<b>TiO2</b>	<b>P2O5</b>	<b>Total</b>
<i>Volcano 6</i>												
DTH02-02*	61.6	18.0	4.0	0.0	0.18	0.81	1.3	7.2	6.0	0.59	0.36	100.0
<i>Volcano 3</i>												
DTH05-01*	61.3	18.4	4.2	0.0	0.22	0.86	1.3	6.9	6.1	0.47	0.26	100.0
<i>Volcano 17</i>												
SO-65 124DS-1n*	60.3	17.0	7.0	0.0	0.46	0.21	1.2	8.4	5.1	0.13	0.16	100.0
<b>Rocard</b>												
PN20-2	62.1	18.9		4.6	0.23	0.67	1.4	6.1	5.7	0.48	0.26	100.8
PN20-3	61.8	18.8		4.6	0.24	0.72	1.5	6.1	5.8	0.50	0.27	100.6
PN20-4	60.4	18.8		5.0	0.22	1.29	2.0	5.7	5.8	0.84	0.48	100.7
PN20-5	58.6	18.8		4.6	0.18	1.18	2.0	5.8	5.9	0.79	0.45	98.6
PN20-6	57.1	17.7		4.6	0.22	1.16	1.9	6.5	5.6	0.50	0.48	96.2
PN20-7	60.4	18.8		4.9	0.19	1.30	2.0	5.6	5.8	0.85	0.51	100.7
PN20-10	60.4	18.7		5.0	0.23	1.29	1.9	5.9	5.8	0.84	0.49	100.9
PN20-11	59.2	18.9		4.8	0.23	1.26	2.0	5.7	5.9	0.80	0.48	99.6
PN20-13	60.7	19.0		5.0	0.20	1.29	2.0	5.7	5.8	0.81	0.50	101.4
PN20-14	60.8	19.0		4.6	0.20	1.07	1.9	5.8	5.7	0.79	0.42	100.6
PN21-2	58.9	18.3		4.8	0.18	1.34	2.1	5.2	6.2	0.91	0.34	98.6
PN21-5	58.4	18.2		4.8	0.17	1.35	2.1	5.1	6.1	0.87	0.35	97.7
PN21-7	58.0	18.1		4.7	0.16	1.27	2.0	5.4	6.2	0.86	0.32	97.2
PN21-10	58.4	18.2		4.8	0.17	1.29	2.0	5.2	6.1	0.85	0.31	97.6
PN21-11	58.2	18.2		4.8	0.19	1.29	2.0	5.1	6.1	0.85	0.32	97.4
<i>Cyana</i>												
SO-47 81DS-3	59.7	17.2	2.0	2.0	0.19	1.08	1.4	7.0	5.3	0.61	0.62	99.2
<b>Large Volcanoes</b>												
<i>Teahitia</i>												
PN17-1	45.9	14.0		2.1	0.17	6.37	12.5	3.0	1.6	4.56	0.77	101.4
PN18-1	46.1	15.5		2.1	0.18	4.98	10.7	3.7	2.4	4.53	1.00	101.6
PN19-5	50.5	17.1		9.5	0.16	3.94	8.0	4.0	3.4	3.67	1.06	101.6

\* Normalised to 100 wt.%, unpub. data from Binard doctoral thesis

	<b><math>^{87}\text{Sr}/^{86}\text{Sr}</math></b>	<b><math>^{143}\text{Nd}/^{144}\text{Nd}</math></b>
<b>Pitcairn</b>		
<b><i>Small Volcanoes</i></b>		
PNDR1-1	0.705199	0.512472
PNDR3-1	0.705072	0.512531
PNDR11-2	0.705078	0.512525
PNDR12-1	0.705195	0.512485
PN8-4	0.705306	0.512452