

### 35. DATA REPORT: SUMMARY OF GEOCHEMICAL DATA FOR LEG 129 IGNEOUS ROCKS<sup>1</sup>

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This report presents all the available major and trace elemental analyses and Sr, Nd, and Pb isotopic compositions of basaltic rocks recovered from Ocean Drilling Program Sites 800, 801, and 802 during Leg 129 (Table 1). Its main purpose is to provide other investigators a complete summary of geochemical data for Leg 129 basement basalts that they can use for later work. Detailed discussions of the data are presented elsewhere in the volume by Floyd and Castillo (Site 801 geochemistry and petrogenesis), Floyd et al. (Sites 800 and 802 geochemistry and petrography), Alt et al. (Site 801 alteration), and Castillo et al. (Sr, Nd, and Pb isotope geochemistry of Leg 129 basalts).

A vast majority of the major oxide and trace elemental analyses were done by standard X-ray fluorescence (XRF) method at the Geoscience Analytical Services, University of Keele (M. Aikin and D. Emley, analysts). A few (22) of the determinations were done at the Department of Geological Sciences, The University of Michigan (labeled UM in Table 1; J. Alt, analyst). Loss on ignition (LOI) were also determined at these two laboratories. Major oxides were analyzed in fused glass beads and trace elements Ba, Co, Cr, Cu, Ga, Nb, Ni, Pb, Rb, S, Sr, V, Y, Zn, and Zr in pressed powder pellets. FeO was determined by titration with potassium dichromate. Based on repeated analyses of rock standards, the analytical precision (measured by the coefficient of variation) for major oxides is generally better than 1.5% and for trace elements is better than 5%.

Contents of H<sub>2</sub>O<sup>+</sup> and CO<sub>2</sub> of aliquots of powders analyzed for major and trace elements were determined at the Centre de Recherches Petrographiques et Geochimiques (M. Vernet, analyst). Water was determined by volumetry. Samples were preheated at 105°C, weighed and

then heated again at 1400°C in a tubular furnace. Released water was measured by titration using the dynamic Karl Fisher method. Standard deviation is 0.017 at 0.5 wt% and 0.045 at 3 wt%. Carbon dioxide from carbonate analyses were done using a Beckman DU-62 coulometer. Standard deviation is 0.01 at 0.1 wt% and 0.02 at 1 wt%.

Other trace elements such as Co, Cs, Hf, Sc, Ta, Th, U, and the rare earths (La to Lu) were determined in the same powders of a subset of the samples analyzed by XRF at the University of Keele by instrumental neutron activation analysis (INAA) at the Department of Earth and Planetary Sciences, Washington University (labeled WU in Table 1; R. Korotev, analyst) and Universities Research Reactor, Risley (G. Gilmore, analyst). The rare earth element contents of a few samples were analyzed by inductively coupled plasma (ICP) emission spectrometry at Royal Holloway and Bedford New College, University of London (N. Walsh, analyst) and ICP results are basically identical to the Universities Research Reactor INAA results (Floyd and Castillo, this volume); these two types of trace element analyses were all reported as INAA data in Table 1. In general, data for four samples collected at the two INAA facilities also show reasonable agreement (Table 2).

Isotopic composition measurements were done on leached powders of samples from Sites 800 and 801 to correct for seawater alteration; those for Site 802 samples were done on hand-picked basaltic glasses. All Pb isotopic and most Sr and Nd isotopic analyses were done by thermal ionization mass spectrometry at the Department of Terrestrial Magnetism, Carnegie Institution of Washington (P. Castillo, analyst). A few Sr and Nd isotopic measurements were done at the Geological Survey Division, Scripps Institution of Oceanography. Analytical precision for <sup>206</sup>Pb/<sup>204</sup>Pb is ±0.015, <sup>207</sup>Pb/<sup>204</sup>Pb is ±0.019, <sup>208</sup>Pb/<sup>204</sup>Pb is ±0.060, <sup>87</sup>Sr/<sup>86</sup>Sr is ±0.000020, and <sup>143</sup>Nd/<sup>144</sup>Nd is ±0.000023 (±0.000017 at Scripps).

<sup>1</sup> Larson, R. L., Lancelot, Y., et al., 1992. *Proc. ODP, Sci. Results*, 129: College Station, TX (Ocean Drilling Program).

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Table 1. Major and trace element and isotopic composition of Leg 129 igneous rocks.

Hole	800A	800A	800A	800A	800A	800A	800A	800A	800A
Core-Sec	57R-1	57R-1	57R-2	57R-2	58R-1	58R-1	58R-1	58R-1	58R-2
Top-Bottom	17--24	40--45	49--53	86--91	12--17	47--51	86--91	127--131	32--37
Depth (mbsf)	498.17	498.4	498.99	499.36	507.32	507.67	508.06	508.47	508.85
Cooling Unit	1	1	1	1	2	3	3	3	3
Major oxides by XRF (wt. %)	UM								
SiO <sub>2</sub>	49.56	45.72	43.30	49.09	49.34	49.88	50.60	48.60	48.94
TiO <sub>2</sub>	2.17	1.95	1.80	2.01	2.19	2.21	2.13	2.06	2.11
Al <sub>2</sub> O <sub>3</sub>	15.86	14.77	14.50	15.97	15.91	15.69	15.89	15.40	15.83
Fe <sub>2</sub> O <sub>3</sub>	9.01	6.84	7.00	5.63	4.51	5.55	4.58	4.65	5.72
FeO	0.37	1.06	1.50	2.82	4.92	4.01	5.12	4.90	3.78
MnO	0.15	0.12	0.12	0.07	0.15	0.15	0.19	0.23	0.20
MgO	5.04	4.01	5.03	7.92	6.72	6.76	6.44	6.21	6.46
CaO	3.96	10.27	11.30	4.83	6.00	4.53	5.92	6.02	6.34
Na <sub>2</sub> O	2.66	3.63	2.92	2.94	3.92	3.86	4.12	3.65	4.07
K <sub>2</sub> O	5.64	3.69	2.62	3.22	2.55	2.88	2.28	2.26	1.97
P <sub>2</sub> O <sub>5</sub>	0.55	0.55	0.50	0.56	0.54	0.62	0.54	0.55	0.55
LOI	4.94	8.04	9.08	5.30	3.49	3.21	2.63	4.31	3.50
Total	99.9	100.7	99.8	100.4	100.2	99.4	100.4	99.4	99.5
CO <sub>2</sub> tot	1.34	5.10	5.53	1.38	1.18	0.22	0.60	0.62	0.64
H <sub>2</sub> O <sup>+</sup>	3.38	2.21	2.50	3.61	2.38	3.04	2.13	2.30	2.50
Trace element by XRF (ppm)	UM								
Ba	475	251	267	339	337	388	317	383	368
Co	-	-	33	-	-	-	-	33	-
Cr	203	140	110	127	134	80	155	81	81
Cu	63	30	48	65	54	24	36	73	83
Ga	21	22	-	23	22	22	22	-	24
Nb	52	48	47	50	51	54	53	55	53
Ni	122	83	73	82	42	43	41	40	46
Pb	3	4	-	1	1	1	2	-	2
Rb	93	82	90	20	31	22	19	32	24
S	123	128	-	1054	273	263	332	-	421
Sr	340	466	436	493	566	525	608	255	578
V	165	188	-	185	187	183	186	-	192
Y	22	25	16	23	27	27	26	31	25
Zn	137	80	88	144	77	101	72	110	117
Zr	348	330	222	340	356	360	390	249	362
Trace element by INAA (ppm)	WU								
Co	-	52	-	33	-	-	-	-	-
Cs	-	3.53	-	0.14	0.15	0.15	-	-	-
Hf	-	7.51	-	7.12	7.70	8.10	-	-	-
Sc	-	16.30	-	17.80	20.30	18.60	-	-	-
Ta	-	3.18	-	3.21	3.26	3.33	-	-	-
Th	-	3.57	-	3.64	4.20	4.30	-	-	-
U	-	1.93	-	1.58	1.25	1.23	-	-	-
La	-	37.10	-	36.50	43.06	46.07	-	-	-
Ce	-	79.80	-	78.30	87.32	93.87	-	-	-
Pr	-	-	-	-	9.90	10.81	-	-	-
Nd	-	36.00	-	37.00	40.25	43.77	-	-	-
Sm	-	7.96	-	7.75	7.96	8.44	-	-	-
Eu	-	2.48	-	2.46	2.57	2.72	-	-	-
Gd	-	-	-	-	6.84	7.44	-	-	-
Tb	-	0.94	-	0.87	-	-	-	-	-
Dy	-	-	-	-	5.33	5.55	-	-	-
Ho	-	-	-	-	0.86	0.91	-	-	-
Er	-	-	-	-	2.25	2.36	-	-	-
Yb	-	1.44	-	1.29	1.67	1.59	-	-	-
Lu	-	0.20	-	0.18	0.26	0.24	-	-	-
Isotopic compositions									
<sup>87</sup> Sr/ <sup>86</sup> Sr (initial)	-	-	-	-	0.70302	-	-	-	-
<sup>143</sup> Nd/ <sup>144</sup> Nd (initial)	-	-	-	-	0.512782	-	-	-	-
<sup>206</sup> Pb/ <sup>204</sup> Pb (measured)	-	-	-	-	20.977	-	-	-	-
<sup>207</sup> Pb/ <sup>204</sup> Pb (measured)	-	-	-	-	15.718	-	-	-	-
<sup>208</sup> Pb/ <sup>204</sup> Pb (measured)	-	-	-	-	40.089	-	-	-	-

Table 1 (continued).

800A	800A	800A	800A	800A	800A	800A	800A	800A	800A	800A	801B
58R--2	58R-2	58R-2	58R-2	58R-3	59R-1	60R-1	60R-1	60R-1	61R-1	61R-1	38R-1
67--73	52--60	106--110	142--150	35--41	4--9	15--20	44--46	69--74	10--16	19--24	22--25
509.2	509.35	509.59	509.95	510.38	516.64	526.05	526.3	526.59	535.4	535.47	466.32
3	3	3	3	3	3	3	3	3	3	3	3
50.40	50.52	50.32	51.21	51.22	49.73	49.90	50.67	50.80	50.68	50.21	51.45
2.13	2.23	2.03	2.04	2.14	2.17	2.12	2.14	2.09	2.12	2.29	2.67
16.00	16.15	15.96	16.22	16.56	15.92	16.06	16.11	16.09	15.99	15.99	18.62
4.89	4.71	6.47	4.87	4.14	4.50	4.33	5.27	5.66	4.89	4.99	5.97
4.86	4.60	3.38	4.30	4.84	5.30	4.96	4.87	3.85	4.86	4.89	0.61
0.15	0.18	0.16	0.19	0.21	0.16	0.14	0.16	0.14	0.12	0.12	0.04
6.73	6.31	6.73	6.42	6.12	6.31	6.36	6.48	6.75	6.53	6.67	4.69
4.89	4.74	3.92	4.75	5.20	5.44	5.94	5.00	4.64	5.26	5.05	2.00
3.87	4.05	3.79	4.07	4.41	4.22	4.04	4.00	4.02	4.04	4.06	2.04
2.77	2.76	2.93	2.92	2.24	1.94	2.29	2.50	2.49	2.29	2.33	5.80
0.53	0.56	0.46	0.63	0.48	0.55	0.48	0.55	0.46	0.47	0.60	0.36
2.77	2.93	3.54	2.62	2.15	3.65	3.17	2.51	3.23	2.59	3.04	5.67
100.0	99.7	99.7	100.2	99.7	99.9	99.8	100.3	100.2	99.8	100.2	99.9
0.38	0.34	0.18	0.16	0.12	0.43	0.95	-	0.16	0.29	0.20	0.71
2.41	2.49	3.14	2.22	1.97	2.70	2.22	-	2.50	2.20	2.83	4.81
359	402	421	413	316	391	308	380	419	331	371	457
-	-	-	-	-	-	-	-	-	-	-	-
120	82	81	93	326	38	114	107	64	333	48	194
74	42	43	65	64	38	32	77	49	22	24	64
24	22	24	23	24	21	22	23	24	21	21	18
51	55	58	56	56	58	52	54	55	52	55	36
44	39	43	43	42	39	43	44	44	43	39	67
2	1	2	2	1	1	2	3	1	1	1	1
25	23	27	29	28	21	25	27	24	25	23	82
315	305	268	274	271	350	194	334	263	159	168	162
548	544	473	526	597	574	585	559	518	572	542	102
187	185	190	154	211	189	181	178	184	200	194	335
25	25	24	25	25	25	24	27	24	25	26	20
82	104	114	90	96	115	76	95	111	85	111	93
344	379	390	400	394	386	357	370	379	356	363	194
-	WU	WU	-	-	-	-	WU	WU	-	WU	WU
-	28	28	-	-	-	-	31	29	-	30	18
0.10	0.06	0.1	-	0.1	-	0.11	0.09	0.07	0.1	0.11	1.33
8.10	8.29	8.19	-	8.3	-	7.8	8.03	7.87	8.5	7.84	4.19
19.10	18	17.1	-	19.3	-	17.4	19.4	17.4	20.6	5.6	28.20
3.19	3.53	3.71	-	3.63	-	3.36	3.45	3.46	3.4	3.5	2.47
4.10	4.06	4.22	-	4.6	-	4.4	3.99	3.98	4.4	4.06	2.00
1.23	1.37	1.48	-	1.39	-	1.25	1.43	1.36	1.22	1.27	1.18
43.60	41.4	39	-	45.99	-	43.9	39	36	42.37	40.4	20.30
89.00	86.6	80.4	-	92.56	-	89.16	81.8	76.2	85.6	85.4	43.00
10.06	-	-	-	10.53	-	9.95	-	-	9.78	-	-
40.34	38	37	-	41.51	-	39.71	40	36	38.99	41	21.00
7.80	8.34	7.58	-	7.85	-	7.52	7.96	7.51	7.42	8.36	4.17
2.58	2.64	2.38	-	2.57	-	2.5	2.53	2.43	2.51	2.6	1.32
6.87	-	-	-	6.85	-	6.57	-	-	6.69	-	-
-	0.95	0.88	-	-	-	-	0.95	0.88	-	0.96	0.61
5.27	-	-	-	5.37	-	5.22	-	-	5.26	-	-
0.86	-	-	-	0.88	-	0.85	-	-	0.86	-	-
2.25	-	-	-	2.36	-	2.29	-	-	2.31	-	-
1.55	1.5	1.48	-	1.67	-	1.63	1.52	1.42	1.63	1.57	1.69
0.24	0.2	0.2	-	0.26	-	0.26	0.22	0.2	0.26	0.22	0.24
-	0.70320	-	-	-	-	-	-	0.70292	-	0.70300	-
-	0.512781	-	-	-	-	-	-	0.512784	-	0.512806	-
-	20.988	-	-	-	-	-	-	20.525	-	21.451	-
-	15.722	-	-	-	-	-	-	15.700	-	15.767	-
-	40.258	-	-	-	-	-	-	40.015	-	40.682	-

Table 1 (continued).

801B	801B	801B	801B	801B	801B	801B	801B	801B	801B	801B	801B
40R-1	40R-1	40R-1	41R-1	41R-1	41R-1	41R-1	41R-2	42R-1	42R-1	42R-2	42R-2
15--18	29--33	85--91	26--31	88--94	130--136	20--25	103--109	24--30	87--91	0--7	129--134
477.05	477.19	477.75	483.26	483.88	484.3	484.7	485.53	487.84	488.47	489.05	490.34
4	4	4	5	5	5	5	5	6	6	6	6
51.58	53.20	39.67	45.77	46.36	46.08	46.33	46.36	47.08	46.50	46.91	46.33
3.30	3.58	2.70	3.31	3.27	3.24	3.56	3.07	3.03	3.01	2.89	2.92
17.42	18.96	14.02	16.03	15.89	15.80	15.14	16.61	17.32	17.23	17.42	16.96
9.02	5.54	3.57	4.76	3.80	4.28	4.27	4.32	4.91	5.04	4.63	4.04
0.75	0.77	3.92	4.72	5.37	5.79	5.57	5.40	4.39	4.31	4.68	5.70
0.12	0.08	0.23	0.14	0.13	0.15	0.14	0.14	0.14	0.14	0.14	0.14
2.75	2.87	4.11	5.20	5.07	4.86	4.52	4.79	5.68	6.26	6.50	7.18
2.63	1.88	14.27	8.25	7.82	7.64	7.71	7.76	8.29	8.26	8.36	8.06
2.91	2.76	3.83	3.81	3.64	3.71	3.88	3.60	3.64	3.49	3.43	3.26
5.88	5.84	1.74	2.14	2.45	2.61	3.01	2.54	2.02	1.97	1.96	1.82
0.63	0.67	0.56	0.62	0.69	0.61	0.69	0.59	0.59	0.56	0.54	0.56
2.68	4.12	10.92	5.09	4.72	4.71	4.67	4.95	3.14	3.34	2.93	2.85
99.7	100.3	99.5	99.8	99.2	99.5	99.5	100.1	100.2	100.1	100.4	99.8
0.11	0.24	9.45	2.83	2.76	3.00	2.90	2.96	0.97	0.97	1.07	0.85
2.72	3.77	1.54	2.00	1.60	1.55	1.54	1.86	2.04	2.32	1.97	2.09
439	406	318	414	452	422	448	395	386	365	377	354
-	-	-	-	-	-	-	-	-	-	-	-
123	89	93	73	48	61	42	113	137	134	154	180
37	20	24	44	47	44	44	40	40	42	37	39
22	26	23	23	21	24	23	23	23	23	22	20
49	51	40	48	48	49	53	44	44	44	42	41
82	66	43	46	47	45	28	50	71	72	69	92
6	1	9	3	2	10	9	8	3	2	8	7
110	88	33	39	48	52	62	52	39	40	42	38
105	146	224	358	293	250	251	239	368	370	276	298
317	134	654	518	503	512	486	526	571	548	572	559
241	198	235	267	261	275	301	252	236	230	234	218
33	27	30	32	32	32	36	30	29	29	29	28
111	74	64	90	89	90	101	85	89	79	72	71
153	208	229	272	280	285	308	256	247	246	243	233
WU		WU	WU								WU
36	-	25	28	-	-	-	-	-	-	-	34
3.31	-	0.31	0.29	-	0.39	0.47	-	-	-	0.29	0.24
3.64	-	5.34	5.92	-	6.40	7.50	-	-	-	5.80	5.30
11.69	-	18.60	22.50	-	25.20	28.60	-	-	-	22.60	20.10
3.17	-	2.69	3.17	-	3.23	3.49	-	-	-	2.76	2.80
3.16	-	2.58	3.02	-	3.50	3.60	-	-	-	3.00	2.57
0.78	-	1.39	1.40	-	1.01	1.04	-	-	-	1.00	0.89
30.10	-	29.70	30.50	-	36.30	39.61	-	-	-	32.44	27.60
59.10	-	61.30	63.80	-	74.16	81.76	-	-	-	64.95	58.40
-	-	-	-	-	8.65	9.36	-	-	-	7.48	20.00
28.00	-	29.00	31.00	-	35.47	39.08	-	-	-	31.41	25.00
6.88	-	6.80	7.28	-	7.41	8.22	-	-	-	6.62	6.62
2.17	-	2.15	2.32	-	2.47	2.69	-	-	-	2.22	2.09
-	-	-	-	-	7.23	8.05	-	-	-	6.58	-
0.93	-	0.97	1.03	-	-	-	-	-	-	-	0.89
-	-	-	-	-	6.40	7.00	-	-	-	5.68	-
-	-	-	-	-	1.14	1.22	-	-	-	1.02	-
-	-	-	-	-	3.11	3.36	-	-	-	2.71	-
1.84	-	2.20	2.31	-	2.60	2.82	-	-	-	2.26	2.18
0.25	-	0.31	0.32	-	0.44	0.44	-	-	-	0.38	0.30
-	-	-	0.70276	-	-	-	-	-	-	-	-
-	-	-	0.512848	-	-	-	-	-	-	-	-
-	-	-	19.300	-	-	-	-	-	-	-	-
-	-	-	15.589	-	-	-	-	-	-	-	-
-	-	-	38.569	-	-	-	-	-	-	-	-

Table 1 (continued).

801B	801B	801B	801B	801B	801B	801B	801B	801B	801B	801B	801B
43R-1	43R-1	43R-1	43R-1	43R-2	43R-2	43R-3	43R-3	43R-4	43R-4	44R-1	44R-1
4--9	16--20	22--27	128--134	10--15	21--27	23--27	126--129	5--10	32--40	18--24	107--113
492.24	492.36	492.42	493.48	493.67	493.78	495.21	496.24	496.53	496.8	501.88	502.77
7	7	7	7	7	7	7	9	10	11	12	12
46.44	44.86	45.88	44.43	44.88	44.38	47.46	42.82	47.20	45.22	44.87	48.13
2.97	2.76	2.94	2.48	2.68	2.50	3.32	2.85	3.08	3.38	3.26	3.26
17.04	14.82	15.23	13.11	14.46	13.67	17.48	15.40	16.83	17.32	16.80	17.72
4.25	4.52	4.70	5.73	4.86	4.95	3.67	3.20	4.11	5.20	3.76	4.32
5.43	5.78	5.70	5.72	6.20	5.16	5.53	3.84	4.59	5.20	4.16	3.22
0.13	0.14	0.13	0.15	0.16	0.16	0.20	0.49	0.20	0.20	0.31	0.18
6.98	8.49	8.28	10.58	9.01	8.93	3.98	3.31	3.58	4.09	2.65	3.05
7.83	7.01	6.21	6.59	6.74	7.38	3.38	9.01	6.15	6.24	9.37	4.35
3.42	3.82	4.02	2.76	3.35	3.12	2.78	2.89	3.84	4.61	4.01	3.12
1.88	1.79	1.90	1.46	1.79	1.63	4.95	4.55	3.27	2.34	2.94	4.57
0.55	0.57	0.55	0.46	0.50	0.51	0.64	0.52	0.59	0.68	0.57	0.57
2.70	5.14	4.58	6.16	5.21	7.22	6.22	10.63	6.82	5.85	7.69	6.96
99.6	99.7	100.1	99.6	99.8	99.6	99.6	99.5	100.3	100.3	100.4	99.5
0.76	0.86	0.35	2.46	2.02	3.94	3.05	8.69	4.20	2.36	5.50	3.24
2.06	3.78	4.17	3.27	2.91	2.42	2.91	2.30	2.14	3.26	1.57	3.34
375	517	495	371	483	460	481	413	452	547	376	437
-	-	-	-	-	-	-	-	-	-	-	-
141	189	199	323	244	269	139	78	110	102	90	123
39	41	39	35	33	35	37	36	33	40	35	35
22	17	18	16	21	16	23	20	21	21	22	24
43	39	42	37	40	35	49	40	43	40	43	42
81	190	163	375	241	336	112	64	41	67	60	107
8	2	4	2	8	2	11	9	6	5	9	1
41	37	40	32	39	33	67	58	59	44	51	63
283	333	379	1388	362	403	288	266	234	438	214	347
564	509	384	372	413	399	266	243	411	404	490	250
230	214	237	204	202	206	277	212	270	258	254	284
29	27	28	25	27	25	28	31	29	32	32	27
76	86	86	89	93	80	104	72	81	146	79	87
245	230	244	208	227	209	277	218	259	246	264	214
-	-	WU	-	-	-	-	-	WU	-	-	WU
-	-	46	-	-	-	-	-	23	-	-	43
-	-	0.35	0.28	-	-	-	-	0.32	-	0.50	0.52
-	-	5.48	4.80	-	-	-	-	5.75	-	6.20	5.27
-	-	21.10	20.70	-	-	-	-	20.00	-	23.80	181.00
-	-	2.73	2.37	-	-	-	-	2.79	-	2.81	2.80
-	-	2.56	2.54	-	-	-	-	2.65	-	2.80	2.62
-	-	0.95	0.77	-	-	-	-	0.80	-	0.95	0.55
-	-	27.10	27.56	-	-	-	-	27.90	-	32.84	27.00
-	-	57.80	55.87	-	-	-	-	59.40	-	67.53	56.60
-	-	-	63.10	-	-	-	-	-	-	7.88	-
-	-	28.00	27.17	-	-	-	-	24.00	-	32.94	25.00
-	-	6.65	5.68	-	-	-	-	6.72	-	7.02	6.18
-	-	2.11	1.89	-	-	-	-	2.16	-	2.37	2.06
-	-	-	5.57	-	-	-	-	-	-	7.15	-
-	-	0.90	-	-	-	-	-	0.95	-	-	0.88
-	-	-	4.91	-	-	-	-	-	-	6.25	-
-	-	-	0.85	-	-	-	-	-	-	1.12	-
-	-	-	2.36	-	-	-	-	-	-	3.03	-
-	-	2.12	1.97	-	-	-	-	2.33	-	2.56	2.02
-	-	0.30	0.32	-	-	-	-	0.34	-	0.40	0.27
-	-	0.70282	-	-	-	-	-	-	-	-	-
-	-	0.512814	-	-	-	-	-	-	-	-	-
-	-	19.223	-	-	-	-	-	-	-	-	-
-	-	15.556	-	-	-	-	-	-	-	-	-
-	-	38.413	-	-	-	-	-	-	-	-	-

Table 1 (continued).

801B	801B	801B	801B	801B	801C	801C	801C	801C	801C	801C	801C
44R-2	44R-2	44R-2	44R-3	44R-3	1R-1	1R-1	1R-1	1R-2	1R-3	1R-3	1R-4
27--32	67--72	140--145	13--22	28--33	14--20	109--114	120--125	11--17	72--76	103--106	0--5
503.42	503.82	504.55	504.76	504.91	493.84	494.79	494.9	495.06	497.03	497.34	497.4
13	13	13	14	14	1	1	1	1	1	2	2
UM											
51.42	45.67	48.57	49.06	47.65	44.06	44.92	44.60	45.17	43.37	47.70	47.20
3.27	3.12	3.31	3.25	3.16	2.69	2.80	2.66	2.81	3.00	3.24	3.19
17.70	17.02	17.46	17.87	17.22	14.18	14.72	14.60	14.87	15.99	17.11	16.95
3.75	4.28	4.48	4.19	4.18	4.49	3.62	3.86	4.10	4.50	3.76	3.57
3.27	4.38	4.46	4.99	5.04	6.34	6.40	5.50	6.30	6.60	4.48	4.52
0.13	0.20	0.13	0.11	0.14	0.16	0.15	0.14	0.15	0.20	0.19	0.28
3.03	3.99	4.08	3.69	4.21	10.14	9.58	8.34	9.34	6.54	4.22	2.77
3.56	7.95	7.02	6.47	7.24	7.44	6.46	6.48	6.34	6.53	5.00	5.73
3.20	4.21	4.23	4.47	4.08	2.58	3.45	3.42	3.63	3.14	3.56	3.41
5.67	1.88	1.88	2.15	2.31	1.57	1.75	1.83	1.82	2.36	4.22	4.47
0.55	0.52	0.57	0.74	0.57	0.51	0.60	0.52	0.53	0.57	0.58	0.59
4.38	6.79	4.35	3.46	3.65	5.31	5.30	6.23	5.01	6.89	5.45	6.94
99.9	100.0	100.5	100.5	99.5	99.5	99.8	98.8	100.1	99.7	99.5	99.6
UM											
2.20	4.36	2.69	-	2.05	2.64	1.15	0.83	1.37	3.12	-	4.42
2.06	1.95	1.40	-	1.40	2.42	3.77	2.70	3.44	3.44	-	2.10
UM											
531	353	375	434	396	315	427	410	493	385	689	489
-	-	-	-	-	-	-	47	-	-	-	-
130	101	170	105	92	227	154	164	160	173	99	92
42	42	41	48	36	39	40	32	40	42	34	49
20	22	22	23	22	20	19	-	19	21	24	25
44	40	41	44	44	38	41	52	42	45	45	45
93	65	41	58	59	247	197	204	212	133	59	74
8	7	6	3	10	1	1	-	3	5	2	3
67	38	36	42	46	35	40	66	41	46	61	62
264	257	229	265	285	381	263	-	261	386	170	222
311	526	568	567	528	465	363	371	360	368	378	349
253	239	293	276	243	224	241	-	205	290	249	264
31	31	29	37	33	27	27	29	28	31	32	32
69	85	77	64	83	84	86	86	85	119	68	88
254	251	261	278	268	221	242	235	239	262	244	279
WU											
-	-	-	-	35	-	46	-	-	-	-	-
0.74	-	-	-	0.33	0.31	0.31	-	-	-	-	-
5.80	-	-	-	5.88	4.90	5.40	-	-	-	-	-
23.70	-	-	-	20.90	20.60	20.10	-	-	-	-	-
2.80	-	-	-	2.79	2.31	2.62	-	-	-	-	-
2.80	-	-	-	2.76	2.50	2.61	-	-	-	-	-
2.30	-	-	-	0.97	0.83	0.97	-	-	-	-	-
31.84	-	-	-	28.90	28.97	27.40	-	-	-	-	-
66.47	-	-	-	60.60	59.22	57.50	-	-	-	-	-
7.68	-	-	-	-	6.69	-	-	-	-	-	-
32.40	-	-	-	33.00	28.43	30.00	-	-	-	-	-
6.97	-	-	-	7.09	6.06	6.37	-	-	-	-	-
2.31	-	-	-	2.33	1.99	2.05	-	-	-	-	-
6.96	-	-	-	-	5.95	-	-	-	-	-	-
-	-	-	-	1.09	-	0.90	-	-	-	-	-
6.14	-	-	-	-	5.18	-	-	-	-	-	-
1.08	-	-	-	-	0.90	-	-	-	-	-	-
2.99	-	-	-	-	2.50	-	-	-	-	-	-
2.52	-	-	-	2.60	2.08	2.05	-	-	-	-	-
0.40	-	-	-	0.38	0.34	0.30	-	-	-	-	-
-	-	-	-	0.70287	-	0.70283	-	-	-	-	-
-	-	-	-	0.512905	-	0.512829	-	-	-	-	-
-	-	-	-	18.951	-	19.215	-	-	-	-	-
-	-	-	-	15.545	-	15.563	-	-	-	-	-
-	-	-	-	38.167	-	38.417	-	-	-	-	-

Table 1 (continued).

801C 1R-5 33--38 498.88 2	801C 1R-5 113--118 499.68 2	801C 1R-6 65--70 500.62 2	801C 2R-1 1--6 503 3	801C 2R-1 112--118 504.12 3	801C 2R-2 131--137 505.69 3	801C 2R-3 105--110 506.89 4	801C 2R-3 114--119 506.98 6	801C 2R-4 71--76 507.81 6	801C 2R-5 101--106 509.5 6	801C 3R-1 14--20 512.34 7	801C 3R-1 42--48 512.63 7
UM						UM					
46.13	46.20	41.20	51.99	45.53	46.22	47.61	45.25	45.95	46.00	46.40	52.83
3.14	2.93	2.68	3.34	3.07	2.96	3.26	3.17	3.15	3.13	2.89	3.53
16.57	16.72	15.10	17.94	16.31	16.42	17.49	16.77	16.40	16.81	16.50	18.77
3.96	3.38	4.09	3.63	4.25	4.14	3.62	3.73	3.66	3.99	7.45	5.09
5.79	5.71	5.50	3.01	5.32	5.74	4.65	5.27	6.19	6.08	0.90	1.00
0.16	0.16	0.29	0.13	0.16	0.17	0.18	0.19	0.15	0.16	0.06	0.05
5.08	5.15	5.83	2.62	4.68	6.23	3.86	4.90	5.28	6.16	3.12	3.32
6.59	6.15	7.28	2.35	7.14	7.06	6.01	6.34	7.13	6.78	5.09	1.94
4.63	4.74	2.81	2.53	3.94	3.53	4.01	3.98	3.86	3.67	2.52	2.28
2.43	2.25	1.95	6.40	2.14	2.05	2.56	2.45	2.33	2.20	4.30	5.68
0.57	0.61	0.50	0.60	0.61	0.52	0.58	0.60	0.54	0.53	0.52	0.62
4.36	5.75	11.30	4.76	6.92	5.16	6.04	7.39	5.82	4.62	9.47	4.58
99.4	99.8	99.1	99.3	100.1	100.2	99.9	100.0	100.5	100.1	99.3	99.7
1.48	2.34	5.88	1.72	4.53	3.04	3.71	4.68	4.23	2.70	2.45	0.41
2.90	2.78	2.80	2.92	1.86	1.79	1.80	2.13	1.36	1.77	3.70	4.00
UM						UM					
948	633	331	500	396	355	398	408	387	412	432	424
-	-	52	-	-	-	-	-	-	-	34	-
84	78	194	131	87	170	226	131	76	84	125	155
36	36	31	37	40	36	42	42	40	44	43	55
20	24	-	20	24	21	24	24	23	22	-	24
44	41	47	45	42	39	43	41	41	40	55	46
57	57	203	119	42	109	116	114	46	56	115	99
5	1	-	2	3	2	1	1	2	1	-	1
47	47	49	66	44	41	50	48	46	42	70	71
312	351	-	231	307	262	341	279	246	247	-	120
470	358	436	160	477	499	507	498	495	499	255	112
248	249	-	279	254	256	267	265	262	241	-	284
32	29	16	35	31	30	32	30	32	31	31	32
76	86	73	54	83	87	74	78	87	78	90	85
267	261	222	258	259	250	270	255	257	255	249	248
WU				WU				WU			
30	-	-	-	28	-	-	41	-	-	-	-
0.30	-	-	-	0.44	-	-	0.42	0.4	-	-	-
5.91	-	-	-	5.7	-	-	5.74	5.7	-	-	-
20.60	-	-	-	21.5	-	-	19.7	20.9	-	-	-
2.86	-	-	-	2.46	-	-	2.64	2.45	-	-	-
2.69	-	-	-	2.43	-	-	2.47	2.46	-	-	-
1.06	-	-	-	0.81	-	-	1.14	0.85	-	-	-
28.90	-	-	-	31.16	-	-	27.7	31.14	-	-	-
60.30	-	-	-	64.62	-	-	58	64.75	-	-	-
-	-	-	-	7.49	-	-	-	7.45	-	-	-
31.00	-	-	-	31.68	-	-	25	31.41	-	-	-
7.02	-	-	-	6.93	-	-	6.73	6.85	-	-	-
2.30	-	-	-	2.32	-	-	2.21	2.29	-	-	-
-	-	-	-	6.9	-	-	-	6.88	-	-	-
1.03	-	-	-	-	-	-	0.93	-	-	-	-
-	-	-	-	6.21	-	-	-	6.16	-	-	-
-	-	-	-	1.09	-	-	-	1.09	-	-	-
-	-	-	-	2.99	-	-	-	3	-	-	-
2.51	-	-	-	2.58	-	-	2.25	2.56	-	-	-
0.36	-	-	-	0.42	-	-	0.32	0.41	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Table 1 (continued).

801C 4R-1 100--106 522.7 Hyd. dep. UM	801C 5R-1 45--52 531.65 9	801C 5R-1 93--98 532.13 9	801C 5R-1 103--105 532.23 9	801C 5R-2 12--17 532.58 9	801C 5R-2 87--89 533.33 9	801C 5R-2 123--130 533.69 9	801C 5R-3 38--43 534.15 9	801C 5R-3 43--45 534.2 9	801C 5R-3 56--62 534.33 9	801C 5R-3 99--104 534.76 10	801C 5R-3 125--131 535.02 11
86.50	42.69	50.60	52.13	48.10	45.35	50.75	45.91	46.99	46.40	51.59	45.59
0.03	1.17	1.02	1.23	1.02	1.20	1.03	1.15	1.14	1.08	1.16	1.03
0.18	20.43	18.30	18.78	15.75	19.62	17.89	19.39	19.67	20.00	19.76	6.63
9.86	2.27	5.28	4.76	6.49	3.85	4.91	3.46	2.74	2.99	1.97	6.62
0.10	1.05	0.50	0.61	1.29	1.96	2.44	3.60	4.38	4.10	1.90	9.58
0.02	0.10	0.04	0.07	0.18	0.10	0.09	0.13	0.14	0.10	0.11	0.39
0.13	3.31	2.07	1.86	3.45	3.06	2.72	4.79	4.92	3.84	1.58	4.05
0.08	15.86	3.76	5.02	9.31	13.57	9.38	13.14	13.08	10.70	11.48	6.94
0.07	3.09	1.32	1.37	1.99	2.93	2.60	2.74	2.75	2.66	2.81	1.28
0.03	0.89	6.59	6.88	4.39	0.70	1.88	0.06	0.08	0.17	1.73	1.28
0.03	0.02	0.09	0.02	0.01	0.02	0.02	0.07	0.01	0.07	0.01	0.05
2.23	9.14	10.80	6.74	8.43	7.27	6.08	5.06	4.22	7.85	5.76	15.92
99.3	100.0	100.4	99.5	100.4	99.6	99.8	99.5	100.1	100.4	99.9	99.4
0.01	6.45	2.10	-	5.17	-	3.90	3.12	-	3.43	4.08	14.49
1.50	2.02	2.70	3.53	2.53	1.70	1.65	1.44	1.09	1.90	1.19	1.49
UM	UM	UM	UM	UM	UM	UM	UM	UM	UM	UM	UM
74	22	166	149	47	14	29	15	8	27	16	16
50	-	20	-	-	-	-	-	-	60	-	-
11	334	315	341	288	342	318	335	347	341	338	65
1	81	18	20	87	88	38	86	87	88	88	47
-	17	-	12	13	18	12	18	17	-	19	11
17	3	1	2	5	2	3	4	3	24	2	7
23	96	60	46	73	85	69	89	103	85	77	120
-	1	-	1	2	1	1	1	1	-	2	5
1	13	73	59	77	18	34	3	3	1	14	32
-	574	-	125	163	326	127	493	467	-	265	168
1	160	80	82	123	155	155	143	146	170	143	89
-	276	-	183	145	245	191	233	247	-	235	387
1	27	25	25	19	21	12	24	23	11	25	49
28	52	53	39	64	48	51	56	57	65	37	181
1	74	53	70	64	66	56	69	69	53	69	67
-	WU	WU	WU	WU	WU	WU	WU	WU	WU	WU	WU
-	87	-	8	-	23	-	66	-	-	-	-
-	0.20	-	0.46	-	0.19	-	0.12	-	-	-	0.27
-	2.00	-	1.72	-	1.78	-	1.67	-	-	-	1.33
-	40.20	-	29.70	-	38.80	-	37.70	-	-	-	53.10
-	0.05	-	0.05	-	0.06	-	0.07	-	-	-	0.09
-	-	-	0.10	-	0.08	-	0.13	-	-	-	0.11
-	-	-	0.47	-	0.20	-	0.19	-	-	-	0.81
-	1.73	-	1.86	-	1.45	-	1.37	-	-	-	3.95
-	6.80	-	6.00	-	5.40	-	5.30	-	-	-	10.44
-	-	-	-	-	-	-	-	-	-	-	1.78
-	8.00	-	9.00	-	6.00	-	6.00	-	-	-	11.10
-	2.52	-	2.39	-	2.25	-	2.29	-	-	-	3.46
-	1.02	-	0.93	-	0.90	-	0.94	-	-	-	1.25
-	-	-	-	-	-	-	-	-	-	-	5.73
-	0.62	-	0.57	-	0.51	-	0.61	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	7.62
-	-	-	-	-	-	-	-	-	-	-	1.56
-	-	-	-	-	-	-	-	-	-	-	4.74
-	2.24	-	1.78	-	1.93	-	2.11	-	-	-	4.74
-	0.33	-	0.25	-	0.27	-	0.32	-	-	-	0.81
-	-	-	-	-	-	-	0.70237	-	-	-	-
-	-	-	-	-	-	-	0.513219	-	-	-	-
-	-	-	-	-	-	-	18.201	-	-	-	-
-	-	-	-	-	-	-	15.472	-	-	-	-
-	-	-	-	-	-	-	37.563	-	-	-	-



Table 1 (continued).

801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C
5R-4	5R-5	5R-5	5R-5	6R-2	6R-2	6R-3	6R-3	6R-3	6R-4	6R-5	6R-5
65--70	11--17	65--69	73--78	29--34	119--124	1--5	37--42	75--80	49--54	44--50	52--57
535.92	536.8	537.34	537.42	542.08	542.98	543.2	543.56	543.94	545.14	546.47	546.55
13	13	13	13	16	16	18	20	20	20	21	21
UM				UM				UM			
47.42	42.40	48.13	47.07	46.43	46.40	44.00	40.58	47.27	46.63	47.10	47.32
0.97	0.85	0.96	0.93	0.98	1.00	1.00	0.98	0.97	0.89	1.75	1.85
16.46	16.50	16.61	16.51	16.32	17.22	18.10	17.53	17.10	16.44	13.10	13.59
2.37	1.80	9.07	3.36	2.54	3.44	4.61	2.87	3.04	2.19	2.99	2.78
6.31	4.30	0.00	5.72	5.90	4.85	3.20	2.48	5.65	6.32	9.10	8.77
0.14	0.15	0.14	0.17	0.14	0.16	0.14	0.18	0.14	0.14	0.21	0.19
8.58	4.75	7.29	7.17	9.67	7.69	3.75	2.71	7.86	10.14	6.39	6.56
12.08	17.70	12.83	12.88	11.48	12.84	10.20	16.37	12.54	12.29	11.60	11.66
2.24	2.16	2.34	2.17	2.16	2.37	2.52	2.63	2.34	2.03	2.41	2.71
0.08	0.09	0.09	0.05	0.05	0.02	0.37	0.90	0.02	0.04	0.19	0.10
0.01	0.06	0.13	0.01	0.05	0.01	0.07	0.01	0.06	0.01	0.14	0.08
3.18	9.31	2.79	3.93	4.45	3.91	12.00	12.28	3.32	2.87	3.62	3.60
99.8	100.6	100.4	100.0	100.2	99.9	100.3	99.5	100.3	100.0	99.6	99.2
2.14	7.52	-	2.59	2.58	2.61	5.19	10.03	1.67	1.92	2.87	2.77
0.81	1.40	-	1.09	1.51	1.10	2.30	1.86	1.05	0.73	0.50	0.55
UM				UM							
15	1	16	16	8	6	38	7	14	10	23	21
-	65	-	-	-	-	52	-	-	-	-	-
464	447	523	570	559	557	571	515	402	455	135	161
81	74	75	81	79	82	85	85	88	77	71	73
12	-	14	15	14	14	-	15	16	14	-	20
3	14	4	3	3	3	20	4	3	4	18	7
217	241	290	375	240	283	161	220	183	231	66	77
1	-	2	1	1	1	-	1	2	1	-	3
3	1	5	2	4	2	14	9	1	2	11	3
390	-	387	797	383	505	-	323	399	389	-	525
113	168	155	116	100	109	131	130	103	138	93	131
199	-	208	198	217	213	-	264	211	186	-	400
26	15	22	23	24	26	27	18	25	22	27	42
62	59	64	65	53	69	62	52	63	56	99	93
56	41	56	55	55	60	55	48	58	52	103	114
WU											
-	-	-	-	48	-	-	-	-	-	-	-
-	-	-	-	0.11	0.05	-	0.07	-	-	-	-
-	-	-	-	1.42	1.50	-	1.18	-	-	-	-
-	-	-	-	39.50	40.40	-	26.70	-	-	-	-
-	-	-	-	0.06	0.02	-	0.04	-	-	-	-
-	-	-	-	0.08	0.03	-	0.03	-	-	-	-
-	-	-	-	0.20	0.02	-	0.67	-	-	-	-
-	-	-	-	0.99	1.51	-	1.83	-	-	-	-
-	-	-	-	3.90	5.23	-	5.19	-	-	-	-
-	-	-	-	-	1.26	-	1.05	-	-	-	-
-	-	-	-	5.00	7.04	-	5.69	-	-	-	-
-	-	-	-	1.97	1.92	-	1.54	-	-	-	-
-	-	-	-	0.80	0.87	-	0.70	-	-	-	-
-	-	-	-	-	3.37	-	2.46	-	-	-	-
-	-	-	-	0.56	-	-	-	-	-	-	-
-	-	-	-	-	4.06	-	2.89	-	-	-	-
-	-	-	-	-	0.82	-	0.58	-	-	-	-
-	-	-	-	-	2.53	-	1.82	-	-	-	-
-	-	-	-	2.29	2.44	-	1.72	-	-	-	-
-	-	-	-	0.35	0.44	-	0.30	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Table 1 (continued).

801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C
7R-1	7R-1	7R-1	7R-2	7R-3	7R-3	7R-3	7R-3	7R-4	7R-4	8R-1	8R-1	
21--26	53--58	99--105	122--127	0--5	103--110	110-116	138--144	77--83	137--142	18--21	65--67	
550.31	550.63	551.09	552.77	552.98	554.01	554.08	554.36	555.2	555.8	559.68	560.15	
21	21	21	22	23	23	23	23	23	23	23	24	
UM												
48.58	48.26	47.01	48.49	47.04	48.78	47.60	47.57	48.88	46.61	47.68	46.66	
1.87	1.93	1.96	1.85	1.97	2.03	1.84	1.93	2.01	1.91	2.32	2.19	
13.43	13.23	13.58	13.60	13.82	14.59	14.30	14.10	13.71	13.41	16.34	15.92	
3.47	3.50	3.35	3.15	6.40	4.72	4.61	4.68	4.17	3.06	5.18	7.86	
9.15	9.12	8.43	8.27	6.46	6.29	6.20	7.18	7.65	8.30	5.06	2.25	
0.20	0.20	0.19	0.21	0.15	0.14	0.14	0.17	0.17	0.19	0.13	0.08	
6.84	6.96	6.62	6.75	6.18	6.86	6.67	6.79	6.64	6.25	4.55	2.99	
11.57	11.16	11.44	11.94	11.16	11.03	10.70	11.72	11.31	12.31	9.28	10.65	
2.68	2.68	2.73	2.71	2.79	2.95	2.67	2.87	2.76	2.82	3.59	3.47	
0.07	0.08	0.06	0.11	0.44	0.05	0.08	0.05	0.07	0.10	0.27	0.84	
0.08	0.16	0.15	0.08	0.10	0.16	0.14	0.09	0.09	0.09	0.12	0.14	
2.35	2.58	3.86	1.92	2.95	2.04	3.62	2.12	1.70	4.41	5.48	7.30	
100.3	99.9	99.4	99.1	99.5	99.6	99.3	99.3	99.2	99.5	100.0	100.4	
1.49	1.31	2.52	1.18	1.90	0.76	0.82	1.37	0.64	3.67	3.85		
0.58	0.59	0.85	0.59	1.11	0.84	1.20	0.68	0.91	0.51	1.43	2.14	
UM												
23	32	27	25	20	15	32	15	18	27	19	29	
-	-	-	-	-	-	56	-	-	-	-	-	
148	140	154	147	130	143	147	144	156	122	200	181	
74	81	73	77	74	80	73	76	76	71	79	73	
20	19	19	20	22	21	-	20	20	22	22	24	
7	7	8	7	7	7	18	7	8	7	7	6	
71	71	71	60	58	59	56	62	67	56	67	61	
6	5	5	3	7	4	-	6	6	5	2	2	
1	1	1	3	14	1	25	1	2	2	5	20	
534	576	607	520	502	191	-	394	622	644	317	269	
118	114	118	123	126	125	94	124	117	131	152	150	
405	416	439	408	476	479	-	437	429	416	579	528	
43	44	43	44	41	42	19	43	44	43	38	41	
99	98	101	97	107	104	107	97	106	94	144	70	
117	119	120	116	119	123	116	120	120	116	135	112	
WU												
-	-	53	-	-	-	-	-	47	-	-	26	
-	0.05	0.30	-	0.26	-	-	-	0.20	0.05	-	0.31	
-	2.90	3.36	-	2.90	-	-	-	3.18	2.70	-	3.30	
-	42.00	46.60	-	43.40	-	-	-	47.10	43.90	-	49.10	
-	0.18	0.19	-	0.18	-	-	-	0.20	0.16	-	0.19	
-	0.19	0.14	-	0.18	-	-	-	0.16	0.16	-	0.14	
-	0.10	0.40	-	0.26	-	-	-	0.40	0.07	-	0.70	
-	5.37	3.63	-	4.36	-	-	-	3.71	4.41	-	4.04	
-	15.13	11.20	-	12.66	-	-	-	11.40	13.02	-	12.80	
-	2.36	-	-	2.04	-	-	-	-	2.18	-	-	
-	13.36	13.00	-	12.27	-	-	-	12.00	12.64	-	12.00	
-	4.24	4.08	-	3.85	-	-	-	4.25	4.00	-	4.40	
-	1.49	1.48	-	1.45	-	-	-	1.51	1.51	-	1.57	
-	6.03	-	-	5.65	-	-	-	-	5.97	-	-	
-	-	1.03	-	-	-	-	-	1.05	-	-	1.00	
-	7.48	-	-	6.98	-	-	-	-	7.28	-	-	
-	1.48	-	-	1.39	-	-	-	-	1.44	-	-	
-	4.39	-	-	4.04	-	-	-	-	4.32	-	-	
-	4.36	4.08	-	3.96	-	-	-	4.25	4.23	-	3.45	
-	0.74	0.62	-	0.66	-	-	-	0.64	0.71	-	0.51	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	

Table 1 (continued).

801C 8R-1 101--106 560.51 24	801C 8R-2 57--63 561.14 24	801C 8R-2 69--74 561.26 24	801C 8R-2 78--80 561.35 24	801C 8R-2 95--99 561.52 24	801C 8R-2 133--139 561.9 24	801C 9R-1 37--42 563.57 25	801C 9R-2 17--22 564.77 25	801C 9R-2 63--68 565.23 25	801C 9R-3 32--38 566.26 25	801C 9R-3 76--81 566.7 25	801C 9R-4 88--94 568.09 25
47.38	45.90	47.34	47.49	47.63	48.52	47.84	48.70	49.50	49.29	48.70	49.00
1.90	1.80	1.90	1.89	1.94	1.91	1.80	1.49	1.63	1.64	1.67	1.62
13.32	13.40	13.56	13.36	13.22	13.40	15.51	13.70	14.09	13.97	13.75	13.90
2.76	2.87	2.94	3.48	2.67	3.59	5.45	3.09	3.73	3.87	3.70	3.75
9.57	8.40	8.88	8.25	8.91	8.90	5.59	8.20	8.09	8.05	7.72	8.03
0.23	0.18	0.19	0.21	0.21	0.20	0.11	0.20	0.19	0.18	0.17	0.19
6.61	6.09	6.59	7.40	6.51	6.66	6.52	6.76	7.28	7.34	7.29	6.92
11.77	11.70	11.64	12.82	12.10	11.47	10.84	12.10	12.15	11.70	12.26	12.16
2.69	2.56	2.75	2.71	2.68	3.49	3.16	2.43	2.61	2.65	2.61	2.63
0.10	0.09	0.06	0.08	0.10	0.09	0.10	0.09	0.05	0.07	0.04	0.04
0.09	0.14	0.08	0.16	0.15	0.15	0.08	0.11	0.05	0.06	0.12	0.06
3.61	5.54	3.88	3.34	3.35	1.77	2.46	1.54	1.05	1.08	1.62	1.13
100.0	99.6	99.8	101.2	99.5	100.2	99.5	99.3	100.4	99.9	99.7	99.4
2.72	4.33	2.88		2.38	0.64	1.52	0.41	0.23	0.24	0.60	0.55
0.55	1.10	0.58	0.57	0.54	0.91	1.09	0.70	0.59	0.59	0.63	0.53
UM	UM						UM	UM			
13	1	19	13	20	20	24	12	14	7	13	17
-	52	-	-	-	-	-	53	-	-	-	-
128	118	135	143	126	140	204	174	186	174	186	171
73	68	73	74	72	74	79	76	77	75	84	76
18	-	18	19	17	19	21	-	20	19	16	19
7	1	7	7	7	6	6	27	6	6	5	6
55	57	62	58	58	64	69	67	69	65	68	68
5	-	5	6	5	6	6	-	4	7	6	5
3	10	2	2	1	3	2	15	1	1	1	1
561	-	549	541	506	654	395	-	502	540	592	605
122	111	125	124	123	115	133	96	115	112	113	115
421	-	437	388	421	430	438	-	380	355	365	355
44	36	43	42	42	44	36	14	37	38	36	37
107	98	104	101	100	104	99	94	91	86	86	87
116	121	116	113	115	116	106	65	97	96	95	96
			WU		WU					WU	
-	-	-	48	-	47	-	-	-	-	46	-
0.10	-	-	0.30	-	0.09	-	-	-	-	0.2	0.05
2.80	-	-	3.01	-	3.17	-	-	-	-	2.58	2.3
44.80	-	-	46.30	-	47.3	-	-	-	-	48	46.4
0.18	-	-	0.19	-	0.2	-	-	-	-	0.14	0.12
0.17	-	-	0.13	-	0.11	-	-	-	-	0.11	0.13
0.07	-	-	0.20	-	0.4	-	-	-	-	0.5	0.04
4.26	-	-	3.34	-	3.72	-	-	-	-	2.64	3.45
12.75	-	-	10.70	-	11.3	-	-	-	-	8.5	10.72
2.12	-	-	-	-	-	-	-	-	-	-	2.07
12.27	-	-	11.00	-	12	-	-	-	-	12	10.92
4.02	-	-	4.11	-	4.04	-	-	-	-	3.29	3.38
1.51	-	-	1.45	-	1.48	-	-	-	-	1.27	1.32
6.03	-	-	-	-	-	-	-	-	-	-	5.2
-	-	-	1.04	-	1.05	-	-	-	-	0.88	-
7.43	-	-	-	-	-	-	-	-	-	-	6.35
1.48	-	-	-	-	-	-	-	-	-	-	1.27
4.38	-	-	-	-	-	-	-	-	-	-	3.83
4.32	-	-	4.04	-	4.07	-	-	-	-	3.47	3.69
0.74	-	-	0.61	-	0.63	-	-	-	-	0.53	0.64
-	-	-	0.70251	-	-	-	-	-	-	-	-
-	-	-	0.513143	-	-	-	-	-	-	-	-
-	-	-	18.496	-	-	-	-	-	-	-	-
-	-	-	15.481	-	-	-	-	-	-	-	-
-	-	-	37.671	-	-	-	-	-	-	-	-

Table 1 (continued).

801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C
9R-5	9R-5	10R-1	10R-2	10R-2	10R-2	10R-4	10R-5	10R-5	10R-5	10R-6	10R-6	10R-6
0-7	20--24	55--60	25--31	93--97	121--127	64--70	53--58	62--67	99--104	21--26	47--52	47--52
568.61	568.81	569.55	570.75	571.43	573.13	574.06	575.34	575.43	575.8	576.37	576.63	576.63
25	25	25	25	25	25	25	25	25	25	25	25	25
UM												
49.40	49.10	49.44	49.60	49.00	48.92	48.73	49.42	49.46	49.73	48.77	48.73	48.73
1.63	1.71	1.62	1.63	1.50	1.59	1.57	1.59	1.62	1.63	1.64	1.61	1.61
13.95	14.05	14.02	14.01	13.60	14.03	13.92	13.90	14.03	13.98	14.12	14.07	14.07
3.92	3.49	3.82	3.82	3.03	3.72	3.06	12.83	3.88	3.77	11.95	3.76	3.76
8.15	7.81	8.15	8.29	8.70	7.88	8.56	0.00	7.98	8.12	0.00	7.44	7.44
0.18	0.18	0.18	0.19	0.20	0.19	0.20	0.19	0.18	0.18	0.18	0.19	0.19
7.44	7.19	7.28	7.33	7.16	7.59	7.06	7.18	7.09	7.25	6.99	7.14	7.14
11.83	11.73	11.95	11.74	11.70	12.04	12.47	12.12	12.01	11.83	12.66	12.58	12.58
2.54	2.62	2.56	2.67	2.48	2.59	2.53	2.59	2.62	2.62	2.73	2.78	2.78
0.05	0.05	0.06	0.06	0.05	0.03	0.04	0.07	0.06	0.06	0.07	0.08	0.08
0.06	0.06	0.06	0.06	0.11	0.05	0.05	0.20	0.05	0.13	0.20	0.06	0.06
0.99	1.31	1.08	1.04	1.16	1.04	1.25	0.28	1.01	1.16	0.66	1.72	1.72
100.1	99.3	100.2	100.4	99.7	99.7	99.4	100.4	100.0	100.5	100.0	100.2	100.2
0.16	0.20	0.28	0.14	0.14	0.13	0.54	-	0.23	0.08	-	1.05	1.05
0.61	0.97	0.55	0.57	0.80	0.66	0.54	-	0.58	0.59	-	0.55	0.55
UM												
18	16	14	24	37	21	16	14	14	9	18	25	25
-	-	-	-	51	-	-	-	-	-	-	-	-
175	203	175	171	168	199	205	200	187	193	199	187	187
74	78	75	75	80	76	75	74	75	76	76	74	74
17	21	19	19	-	20	19	16	19	21	16	17	17
6	5	7	6	24	6	6	5	4	6	5	6	6
66	69	70	65	67	72	70	67	71	68	70	69	69
7	6	6	8	-	8	6	5	3	7	6	4	4
1	1	1	1	1	2	1	4	1	1	3	3	3
579	670	602	595	-	565	617	487	571	576	516	431	431
114	108	113	110	103	113	115	112	112	108	120	125	125
359	368	365	360	-	363	357	347	355	358	349	371	371
37	37	38	37	30	37	37	36	38	38	37	36	36
84	93	85	91	91	89	84	80	83	83	86	90	90
97	95	97	95	90	94	95	93	96	95	96	96	96
WU												
-	46	-	-	-	-	-	-	-	-	-	-	-
-	0.17	0.05	-	-	-	-	-	-	-	-	-	-
-	2.55	2.4	-	-	-	-	-	-	-	-	-	-
-	46.3	45	-	-	-	-	-	-	-	-	-	-
-	0.13	0.13	-	-	-	-	-	-	-	-	-	-
-	0.11	0.12	-	-	-	-	-	-	-	-	-	-
-	0.3	0.05	-	-	-	-	-	-	-	-	-	-
-	2.75	3.48	-	-	-	-	-	-	-	-	-	-
-	8.8	10.78	-	-	-	-	-	-	-	-	-	-
-	-	2.06	-	-	-	-	-	-	-	-	-	-
-	7	10.65	-	-	-	-	-	-	-	-	-	-
-	3.38	3.44	-	-	-	-	-	-	-	-	-	-
-	1.28	1.33	-	-	-	-	-	-	-	-	-	-
-	-	5.2	-	-	-	-	-	-	-	-	-	-
-	0.94	0	-	-	-	-	-	-	-	-	-	-
-	-	6.38	-	-	-	-	-	-	-	-	-	-
-	-	1.27	-	-	-	-	-	-	-	-	-	-
-	-	3.83	-	-	-	-	-	-	-	-	-	-
-	3.53	3.69	-	-	-	-	-	-	-	-	-	-
-	0.53	0.62	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1 (continued).

801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C	801C
10R-6	10R-6	11R-1	11R-1	11R-2	11R-2	11R-3	11R-3	11R-3	12R-1	12R-1	12R-2	
67--70	125--131	18--23	121--126	81--86	131--136	14--18	78--83	121--126	12--14	101--104	44--149	
576.83	577.41	578.08	579.11	580.11	580.16	580.94	581.58	582.01	587.42	588.31	589.24	
25	26	27	27	27	27	28	29	29	Interpillow	31	32	
UM				UM								
48.64	46.90	47.99	48.45	49.02	47.19	48.90	46.50	46.01	36.00	48.27	49.37	
1.78	0.84	2.30	2.19	2.18	2.11	1.95	1.72	1.95	0.40	2.39	2.51	
14.55	15.80	14.61	14.18	13.66	15.15	14.44	14.10	14.52	19.10	14.66	14.90	
3.95	3.29	5.66	5.04	13.84	5.19	3.86	5.15	4.13	5.67	6.35	5.80	
6.14	5.50	6.80	7.26	0.00	6.64	8.07	5.80	8.24	1.80	6.65	5.90	
0.16	0.15	0.16	0.19	0.21	0.16	0.19	0.16	0.19	0.40	0.19	0.17	
7.12	6.60	6.77	6.80	6.63	6.00	5.83	5.29	5.26	4.42	6.55	6.45	
12.26	14.60	10.86	11.86	11.27	12.01	12.02	12.10	12.54	22.80	10.15	9.92	
2.77	1.88	2.90	2.81	2.78	2.59	2.51	2.42	2.57	0.44	2.98	3.28	
0.07	0.04	0.07	0.06	0.07	0.10	0.11	0.35	0.09	1.44	0.26	0.06	
0.06	0.06	0.15	0.11	0.12	0.17	0.10	0.13	0.10	0.02	0.14	0.14	
2.19	3.47	1.44	1.34	0.28	2.29	1.69	5.93	4.60	24.30	1.36	1.44	
99.7	99.7	99.7	100.3	100.1	99.6	99.7	100.3	100.2	117.0	100.0	99.9	
1.00	1.75	0.54	0.53	0.43	0.81	0.67	3.21	3.44	2.57	0.33	0.49	
1.03	1.10	0.91	0.71	0.56	1.32	0.81	1.40	0.86	2.00	1.08	1.04	
UM			UM				UM					
9	10	25	26	27	16	2	15	32	1	11	22	
-	-	-	-	-	-	-	34	-	11	-	-	
200	377	199	188	170	318	292	257	315	10	122	101	
78	93	72	71	69	69	68	48	66	42	76	70	
19	-	21	21	20	18	21	-	18	-	21	23	
6	1	7	9	8	7	6	10	7	1	8	8	
67	113	66	66	64	88	86	47	67	17	58	56	
3	-	6	6	8	6	7	-	4	-	5	5	
1	1	1	1	1	4	2	18	3	50	6	1	
275	-	323	249	608	490	441	-	443	-	430	331	
118	200	140	137	129	112	110	108	113	46	134	142	
408	-	488	439	404	441	386	-	401	-	518	551	
38	1	46	44	45	44	44	23	45	15	51	58	
95	68	109	106	101	111	103	84	111	29	124	109	
101	51	149	141	138	126	124	111	122	18	153	161	
WU												
47	-	-	-	-	48	-	-	-	-	-	-	
0.10	-	-	0.10	-	0.40	-	-	0.10	-	-	-	
2.60	-	-	3.50	-	3.19	-	-	3.20	-	-	-	
45.90	-	-	44.20	-	44.10	-	-	42.00	-	-	-	
0.12	-	-	0.24	-	0.16	-	-	0.15	-	-	-	
0.11	-	-	0.25	-	0.07	-	-	0.13	-	-	-	
0.10	-	-	0.08	-	0.60	-	-	0.08	-	-	-	
3.26	-	-	4.94	-	3.34	-	-	3.87	-	-	-	
10.08	-	-	14.71	-	10.80	-	-	12.28	-	-	-	
1.78	-	-	2.48	-	-	-	-	1.99	-	-	-	
10.38	-	-	13.45	-	10.00	-	-	12.00	-	-	-	
3.33	-	-	4.30	-	4.25	-	-	3.96	-	-	-	
1.30	-	-	1.62	-	1.46	-	-	1.48	-	-	-	
5.01	-	-	6.42	-	-	-	-	5.95	-	-	-	
-	-	-	-	-	1.05	-	-	-	-	-	-	
6.24	-	-	7.67	-	-	-	-	7.43	-	-	-	
1.24	-	-	1.52	-	-	-	-	1.48	-	-	-	
3.71	-	-	4.51	-	-	-	-	4.33	-	-	-	
3.68	-	-	4.46	-	4.08	-	-	4.30	-	-	-	
0.62	-	-	0.73	-	0.61	-	-	0.73	-	-	-	
0.70239	-	-	-	-	0.70248	-	-	-	-	-	-	
0.513027	-	-	-	-	0.513001	-	-	-	-	-	-	
18.769	-	-	-	-	18.326	-	-	-	-	-	-	
15.543	-	-	-	-	15.492	-	-	-	-	-	-	
37.857	-	-	-	-	37.676	-	-	-	-	-	-	

Table 1 (continued).

801C	801C	801C	801C	802A	802A	802A	802A	802A	802A	802A	802A	802A
12R-2	12R-3	12R-3	12R-3	57R-2	57R-3	57R-3	58R-1	58R-1	58R-1	58R-1	58R-2	58R-2
103--109	32--37	57--62	86--90	109--115	1--6	37--42	9--13	130--135	96--100	18--23	91--96	
589.83	590.58	590.83	591.12	509.11	509.61	509.97	516.09	517.3	517.68	517.68	518.41	
32	32	32	32	1	1	1	2	2	2	2	2	
UM												
48.55	48.42	48.90	48.44	48.66	49.50	49.96	50.56	49.60	49.55	50.76	49.18	
2.26	2.30	2.29	2.16	1.42	1.17	1.18	1.13	0.99	1.09	1.11	1.19	
13.26	13.25	13.58	13.53	16.53	14.80	14.50	14.45	13.50	14.21	14.20	14.27	
4.15	3.63	4.61	4.45	5.91	4.10	3.56	3.75	5.42	3.07	3.31	3.46	
8.91	8.78	7.96	8.66	4.75	6.43	7.26	7.33	7.00	8.58	8.29	8.02	
0.23	0.22	0.22	0.24	0.16	0.20	0.21	0.19	0.19	0.21	0.18	0.20	
6.55	6.80	6.83	6.78	7.42	7.87	7.79	7.68	6.65	8.05	7.50	7.69	
11.29	11.30	11.11	11.47	8.53	11.70	11.69	11.72	11.20	11.76	11.69	11.73	
2.80	2.79	2.82	2.68	2.78	2.65	2.57	2.10	1.97	2.00	2.01	2.10	
0.09	0.04	0.08	0.04	0.84	0.10	0.09	0.08	0.70	0.07	0.10	0.24	
0.12	0.19	0.12	0.12	0.10	0.04	0.03	0.03	0.08	0.03	0.03	0.03	
1.38	1.22	1.07	1.11	2.70	1.17	1.02	1.00	1.39	0.98	0.97	1.00	
99.6	98.9	99.6	99.7	99.8	99.7	99.9	100.0	99.5	99.6	100.2	99.1	
UM												
0.28	0.27	0.10	0.38	0.58	0.12	0.22	0.18	0.19	0.10	0.10	0.16	
0.93	0.51	0.79	0.55	2.05	1.11	0.63	0.57	0.90	0.54	0.44	0.64	
UM												
24	22	25	17	56	10	26	9	24	16	32	11	
-	-	-	-	-	-	-	-	46	-	-	-	
106	93	101	106	167	156	138	125	120	150	131	151	
71	74	73	71	162	157	155	153	63	153	159	148	
18	22	21	22	20	18	17	16	-	17	21	16	
7	7	7	7	9	4	4	5	<10	5	4	4	
59	56	60	57	88	103	100	96	77	98	95	96	
6	5	6	8	4	5	6	6	-	6	6	6	
3	1	2	1	8	4	2	1	30	2	1	6	
563	574	623	569	234	400	275	189	-	252	302	279	
121	121	119	122	161	98	104	102	77	99	97	98	
427	437	458	432	423	357	354	359	-	332	342	346	
49	49	49	49	28	25	24	25	10	24	25	26	
110	101	108	104	119	92	90	91	83	95	91	94	
143	143	144	141	101	64	67	66	48	65	64	65	
WU												
-	47	47	-	-	-	52	-	-	-	-	-	
-	0.20	0.30	-	0.09	-	0.20	0.10	-	-	0.01	-	
-	3.75	3.83	-	2.30	-	1.76	1.90	-	-	1.60	-	
-	47.30	46.80	-	48.80	-	49.40	46.50	-	-	47.80	-	
-	0.22	0.23	-	0.46	-	0.19	0.19	-	-	0.17	-	
-	0.16	0.14	-	0.62	-	0.22	0.28	-	-	0.26	-	
-	0.60	0.40	-	0.17	-	0.40	0.08	-	-	0.09	-	
-	4.33	4.31	-	9.07	-	3.17	3.93	-	-	3.83	-	
-	14.30	13.20	-	19.88	-	8.60	9.93	-	-	10.02	-	
-	-	-	-	2.65	-	0.00	1.46	-	-	1.46	-	
-	19.00	14.00	-	12.73	-	15.00	7.94	-	-	7.76	-	
-	4.71	4.83	-	3.19	-	2.32	2.25	-	-	2.23	-	
-	1.66	1.65	-	1.22	-	0.88	0.89	-	-	0.87	-	
-	-	-	-	4.16	-	-	3.34	-	-	3.28	-	
-	1.24	1.24	-	-	-	0.57	-	-	-	-	-	
-	-	-	-	4.61	-	-	4.08	-	-	4.08	-	
-	-	-	-	0.87	-	-	0.82	-	-	0.83	-	
-	-	-	-	2.52	-	-	2.47	-	-	2.44	-	
-	4.72	4.71	-	2.36	-	2.37	2.49	-	-	2.38	-	
-	0.70	0.70	-	0.39	-	0.36	0.43	-	-	0.41	-	
-	0.70248	-	-	-	-	-	-	-	-	-	-	
-	0.512975	-	-	-	-	-	-	-	-	-	-	
-	19.123	-	-	-	-	-	-	-	-	-	-	
-	15.600	-	-	-	-	-	-	-	-	-	-	
-	38.181	-	-	-	-	-	-	-	-	-	-	

Table 1 (continued).

802A	802A	802A	802A	802A	802A	802A	802A	802A	802A	802A	802A
58R-2	58R-2	58R-2	58R-2	58R-3	58R-3	58R-3	58R-3	R	58R-4	59R-1	59R-1
99--102	110--115	117--122	142--149	0--1	23--28	90--95	134--140	24--29	65--70	7--12	41--45
518.49	518.66	518.67	518.92	519	519.23	519.9	520.34	520.74	521.15	526.18	525.81
3	3	4	4	5	5	5	5	5	5	7	7
											UM
49.40	-	49.36	-	-	50.46	49.34	50.66	50.64	49.32	49.46	49.40
1.22	-	1.15	-	-	1.22	1.10	1.14	1.17	1.12	1.21	1.01
14.39	-	14.38	-	-	14.78	14.25	14.35	14.10	14.55	14.72	13.70
2.54	-	3.75	-	-	3.69	4.40	3.43	3.01	3.87	3.60	2.73
8.83	-	8.17	-	-	6.36	7.56	7.28	8.35	8.23	7.63	8.70
0.21	-	0.21	-	-	0.16	0.20	0.17	0.17	0.21	0.19	0.21
7.66	-	7.68	-	-	7.34	7.71	8.03	7.56	7.57	7.98	7.58
11.78	-	11.87	-	-	11.96	11.73	11.93	11.65	11.96	11.97	12.00
1.95	-	1.95	-	-	2.33	2.04	1.99	2.06	2.04	2.08	1.84
0.18	-	0.14	-	-	0.08	0.25	0.03	0.08	0.13	0.08	0.11
0.02	-	0.03	-	-	0.02	0.02	0.10	0.02	0.03	0.03	0.08
0.86	-	1.08	-	-	1.50	1.09	0.99	0.95	1.05	0.98	1.16
99.0	-	99.8	-	-	99.9	99.7	100.1	99.8	100.1	99.9	99.5
0.11	-	0.13	-	-	0.62	0.15	0.06	0.10	0.08	0.13	0.16
0.54	-	0.90	-	-	0.65	0.65	0.51	0.46	0.94	0.64	0.60
											UM
20	-	14	-	-	18	12	28	13	22	34	30
-	-	-	-	-	-	-	-	-	-	-	55
155	-	159	-	-	134	141	136	136	180	144	125
157	-	150	-	-	156	144	161	154	156	155	162
15	-	16	-	-	16	19	16	18	17	14	-
4	-	4	-	-	5	4	3	4	4	5	18
99	-	101	-	-	100	99	99	93	110	93	95
4	-	5	-	-	4	6	2	7	4	4	-
2	-	4	-	-	1	8	1	1	1	1	<10
284	-	322	-	-	217	272	242	315	330	249	-
95	-	94	-	-	106	99	99	96	95	98	99
358	-	355	-	-	349	351	363	340	367	344	-
25	-	25	-	-	25	24	24	24	25	25	19
97	-	94	-	-	93	92	94	90	97	88	90
65	-	65	-	-	65	63	63	63	65	65	58
											WU
-	44	47.6	47.8	47	-	50.1	-	-	48.4	54.8	-
-	0.26	-	-	-	0.05	0.19	-	-	0.3	0.1	-
-	1.66	1.76	1.83	1.79	1.8	1.64	-	-	1.83	1.5	-
-	47.90	49	49.2	48.8	48.6	47.7	-	-	49	47.6	-
-	0.15	0.17	0.18	0.18	0.16	0.17	-	-	0.17	0.17	-
-	0.19	0.25	0.18	0.17	0.26	0.18	-	-	0.23	0.24	-
-	-	-	-	-	0.1	0.5	-	-	0.3	0.11	-
-	3.01	3.08	3.16	3.09	4.08	3	-	-	3.18	3.96	-
-	7.70	8.5	8.2	7.9	10.31	8	-	-	8.3	10.28	-
-	-	-	-	-	1.51	-	-	-	-	1.47	-
-	-	-	-	-	8.21	6	-	-	9	8.3	-
-	2.19	2.22	2.32	2.31	2.38	2.25	-	-	-	2.35	-
-	0.81	0.87	0.85	0.86	0.91	0.81	-	-	-	0.91	-
-	-	-	-	-	3.5	-	-	-	-	3.34	-
-	0.53	0.56	0.56	0.57	-	0.54	-	-	0.57	0.6	-
-	-	-	-	-	4.17	-	-	-	-	4.32	-
-	-	-	-	-	0.83	-	-	-	-	0.85	-
-	-	-	-	-	2.48	-	-	-	-	2.59	-
-	2.32	2.41	2.35	2.41	2.51	2.28	-	-	2.41	2.57	-
-	0.35	0.36	0.36	0.36	0.43	0.36	-	-	0.36	0.43	-
-	0.70372	-	0.70365	0.70365	-	-	-	-	0.70360	-	-
-	0.512804	-	0.512801	0.512790	-	-	-	-	0.512769	-	-
-	18.367	-	18.380	18.386	-	-	-	-	18.367	-	-
-	15.507	-	15.511	15.510	-	-	-	-	15.500	-	-
-	38.369	-	38.390	38.380	-	-	-	-	38.346	-	-

Table I (continued).

802A	802A	802A	802A	802A	802A	802A	802A	802A	802A	802A	802A
59R-1	59R-1	59R-1	59R-1	59R-2	59R-2	59R-2	59R-2	59R-3	59R-3	59R-3	59R-3
70--75	78--82	130--136	138--142	8--13	15--19	100--105	123--127	17--22	40--45	86--90	127--132
526.1	526.18	526.7	526.78	526.98	527.05	527.9	528.13	528.49	528.72	529.18	529.59
8	8	9	9	9	9	10	11	12	13	13	13
49.59	49.76	49.76	49.27	49.95	49.58	49.52	49.38	50.48	49.98	49.90	50.34
1.22	1.14	1.10	1.10	1.24	1.11	1.21	1.10	1.16	1.23	1.01	1.20
14.23	14.09	14.26	14.43	14.29	14.31	14.42	14.37	14.59	14.27	13.80	14.24
2.41	2.73	3.55	3.99	2.97	3.30	2.60	3.65	3.18	2.03	2.74	2.65
8.57	8.63	8.52	7.88	8.29	8.83	8.34	8.47	7.83	9.17	8.60	8.35
0.20	0.20	0.21	0.21	0.19	0.21	0.20	0.21	0.18	0.21	0.21	0.21
7.94	7.92	7.66	7.64	7.68	7.71	8.07	7.67	7.51	7.67	7.56	7.72
12.13	12.02	11.85	11.58	11.85	12.02	12.12	11.85	11.84	11.85	12.00	11.78
1.96	1.91	1.92	2.07	2.00	1.92	2.01	1.95	2.13	2.00	1.94	1.97
0.06	0.08	0.14	0.18	0.20	0.14	0.05	0.13	0.11	0.10	0.12	0.08
0.10	0.03	0.02	0.02	0.09	0.02	0.02	0.02	0.02	0.02	0.08	0.02
1.14	1.04	1.03	1.09	1.05	0.90	0.99	0.91	0.87	0.84	1.08	1.08
99.6	99.6	100.0	99.5	99.8	100.0	99.6	99.7	99.9	99.4	100.0	99.6
0.26	0.18	0.07	0.24	0.13	0.13	0.27	0.07	0.24	0.18	0.11	0.10
0.43	0.53	0.92	0.73	0.58	0.54	0.50	0.71	0.51	0.50	0.60	0.86
										UM	
19	34	22	14	23	17	9	16	17	32	25	29
-	-	-	-	-	-	-	-	-	-	57	-
131	144	166	148	138	155	133	165	134	150	121	145
164	155	152	152	157	151	157	151	151	150	167	156
15	14	18	17	16	17	17	18	17	18	-	16
5	3	4	4	5	4	4	5	4	4	24	4
96	93	105	100	100	100	98	105	98	100	98	102
1	4	4	5	4	6	6	5	6	4	-	6
1	1	1	4	4	4	1	2	2	2	<10	2
244	249	245	255	249	263	246	259	407	266	-	264
97	98	93	100	96	96	99	96	100	95	78	95
336	344	345	350	349	338	340	349	346	348	-	346
25	25	25	25	25	25	25	25	26	25	16	25
93	88	96	100	94	95	90	97	92	95	92	93
64	65	64	65	0	65	64	64	64	63	62	63
		WU					WU				WU
-	-	50	-	-	-	-	48	-	-	-	50
-	-	0.08	-	-	-	0.10	0.16	-	-	-	0.20
-	-	1.65	-	-	-	1.60	1.69	-	-	-	1.76
-	-	48.10	-	-	-	47.60	48.90	-	-	-	48.50
-	-	0.18	-	-	-	0.17	0.19	-	-	-	0.17
-	-	0.22	-	-	-	0.26	0.20	-	-	-	0.20
-	-	0.30	-	-	-	0.07	0.40	-	-	-	0.30
-	-	3.16	-	-	-	4.86	3.14	-	-	-	3.13
-	-	8.10	-	-	-	10.82	8.70	-	-	-	8.30
-	-	-	-	-	-	1.51	-	-	-	-	-
-	-	5.00	-	-	-	7.94	8.00	-	-	-	17.00
-	-	2.35	-	-	-	2.20	2.31	-	-	-	2.25
-	-	0.86	-	-	-	0.88	0.88	-	-	-	0.86
-	-	-	-	-	-	3.15	-	-	-	-	-
-	-	0.57	-	-	-	-	0.56	-	-	-	0.60
-	-	-	-	-	-	4.05	-	-	-	-	-
-	-	-	-	-	-	0.80	-	-	-	-	-
-	-	-	-	-	-	2.43	-	-	-	-	-
-	-	2.37	-	-	-	2.47	2.43	-	-	-	2.36
-	-	0.36	-	-	-	0.42	0.36	-	-	-	0.37
-	-	-	-	-	-	-	0.70361	-	-	-	-
-	-	-	-	-	-	-	0.512789	-	-	-	-
-	-	-	-	-	-	-	18.380	-	-	-	-
-	-	-	-	-	-	-	15.491	-	-	-	-
-	-	-	-	-	-	-	38.336	-	-	-	-



Table 1 (continued).

802A 60R-1 11--16 534.81 14	802A 60R-1 78--84 535.48 14	802A 61R-1 32--37 544.52 15	802A 61R-1 139--144 545.59 16	802A 61R-2 14--21 550.6 16	802A 62R-1 0--7 550.6 17	802A 62R-1 82--87 551.42 17	802A 62R-1 112--118 551.72 17	802A 62--2 30--35 552.36 17	802A 62--2 40--45 552.51 17	802A 62--2 53--59 552.59 17	802A 62--3 12--18 553.6 17	802A 62--3 27--33 553.75 17
UM												
50.01	51.00	49.31	50.62	50.31	50.76	49.60	50.77	50.48	49.35	50.79	50.41	50.65
1.11	1.20	1.19	1.09	1.22	1.17	1.01	1.06	1.12	1.18	1.09	1.08	1.08
14.44	16.28	14.64	14.13	14.05	14.40	13.80	14.11	13.88	14.43	14.25	14.27	14.17
2.85	4.15	3.71	3.28	3.19	3.41	3.18	3.39	3.08	4.53	3.10	3.78	3.31
8.79	4.77	7.70	8.21	7.87	7.52	8.30	8.29	8.46	7.10	8.49	7.62	8.35
0.23	0.12	0.18	0.18	0.17	0.18	0.18	0.19	0.18	0.24	0.20	0.18	0.18
7.89	7.16	7.56	7.73	7.84	7.78	7.84	7.79	7.85	7.87	7.76	7.61	7.64
12.15	10.97	11.72	11.54	11.28	11.29	11.50	11.72	11.68	11.74	11.79	11.63	11.82
1.99	2.52	2.08	1.99	2.35	2.24	1.92	1.96	2.04	2.10	1.93	1.92	1.99
0.04	0.08	0.26	0.09	0.10	0.09	0.08	0.08	0.08	0.17	0.07	0.07	0.06
0.02	0.04	0.03	0.02	0.03	0.03	0.08	0.02	0.09	0.03	0.02	0.02	0.02
0.89	1.27	1.10	0.95	1.14	1.07	1.16	0.84	1.08	1.41	0.83	1.18	0.94
100.4	99.6	99.5	99.8	99.6	99.9	99.6	100.2	100.0	100.2	100.3	99.8	100.2
0.18	0.26	0.13	0.12	0.09	0.11	0.02	0.09	0.04	0.60	0.12	0.10	0.20
0.45	0.85	0.75	0.51	0.91	0.75	0.90	0.46	0.52	0.78	0.46	0.82	0.45
UM												
20	21	20	25	24	24	48	37	25	30	33	29	29
-	-	-	-	-	-	53	-	-	-	-	-	-
146	159	160	123	134	134	130	143	127	130	134	147	133
151	159	150	153	159	159	155	151	162	161	157	159	157
16	18	15	17	16	16	-	17	15	17	18	16	15
5	4	4	5	4	4	10	4	4	4	4	4	4
102	100	95	95	96	96	87	99	94	96	95	99	94
8	1	5	3	5	5	-	6	2	3	5	3	5
1	1	6	2	2	2	19	1	2	4	1	1	1
223	239	264	275	194	194	-	310	339	300	304	348	313
96	118	100	98	96	96	84	95	94	95	98	94	95
341	416	361	332	356	356	-	323	328	340	330	332	329
24	23	26	24	25	25	<10	25	23	23	24	23	25
90	101	101	95	91	91	84	85	88	90	88	94	92
63	70	66	64	64	64	55	62	62	63	63	62	63
WU	WU		WU			WU		WU			WU	
50	58	49	-	50	-	-	49	-	-	-	49	-
0.17	0.20	0.16	-	0.30	0.05	-	0.30	-	-	0.10	0.20	-
1.68	1.95	1.70	-	1.74	1.60	-	1.63	-	-	1.60	1.73	-
48.20	54.30	48.70	-	48.40	50.10	-	48.00	-	-	48.60	48.20	-
0.18	0.19	0.18	-	0.17	0.18	-	0.17	-	-	0.19	0.18	-
0.27	0.26	0.28	-	0.25	0.24	-	0.19	-	-	0.27	0.23	-
0.80	0.60	0.10	-	0.40	0.08	-	0.70	-	-	0.07	0.50	-
3.10	3.52	3.77	-	3.28	4.21	-	3.02	-	-	3.65	3.13	-
8.00	9.20	9.53	-	8.30	10.17	-	8.10	-	-	9.40	7.90	-
-	-	1.34	-	-	1.54	-	-	-	-	1.50	-	-
7.00	19.00	7.76	-	7.00	7.94	-	9.00	-	-	7.76	8.00	-
2.29	2.41	2.30	-	2.36	2.26	-	2.21	-	-	2.26	2.34	-
0.87	0.90	0.92	-	0.90	0.89	-	0.85	-	-	0.89	0.83	-
-	-	3.33	-	-	3.37	-	0.00	-	-	3.24	-	-
0.57	0.53	0.62	-	0.57	-	-	0.55	-	-	-	0.54	-
-	-	4.17	-	-	4.08	-	-	-	-	4.11	-	-
-	-	0.82	-	-	0.83	-	-	-	-	0.82	-	-
-	-	2.47	-	-	2.48	-	-	-	-	2.49	-	-
2.32	1.96	2.44	-	2.48	2.46	-	2.30	-	-	2.49	2.34	-
0.37	0.28	0.41	-	0.38	0.44	-	0.36	-	-	0.42	0.37	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 2. Comparison of interlaboratory results for the duplicate analysis of selected Leg 129 basalts at University of Keele (UK) and Washington University (WU).**

Hole: Core, section: Interval (cm):	802A 59R-1 7-12		802A 61R-1 32-37		801C 2R-1 112-118		801C 10R-6 67-70	
Analytical laboratory:	UK	WU	UK	WU	UK	WU	UK	WU
<b>Major oxides (wt%)</b>								
FeO*	10.87	11.11	11.04	11.31	9.15	8.79	9.70	10.04
CaO	11.97	11.80	11.72	11.70	7.14	6.70	12.26	11.50
Na <sub>2</sub> O	2.08	2.06	2.08	2.07	3.94	3.53	2.77	2.74
<b>Trace element (ppm)</b>								
Ba	7	b.d.	20	b.d.	396	341	9	b.d.
Cr	139	153	160	155	87	92.1	200	198
Cs	0.10	0.11	0.16	0.24	0.44	0.39	0.10	b.d.
Hf	1.50	1.75	1.70	1.74	5.7	5.9	2.60	2.63
Ni	103	107	95	b.d.	42	43	67	70
Rb	1	b.d.	6	b.d.	44	43	1	b.d.
Sc	47.6	50.2	48.7	50.1	21.5	20.4	45.9	48.4
Sr	100	104	100	100	477	500	118	80
Ta	0.17	0.19	0.18	0.18	2.46	2.63	0.124	0.123
Th	0.24	0.27	0.28	0.18	2.43	2.43	0.109	b.d.
U	0.11	b.d.	0.097	b.d.	0.81	0.96	0.10	b.d.
Zr	66	60	66	b.d.	259	230	101	120
<b>Rare earth elements (ppm)</b>								
La	3.96	3.23	3.77	3.41	31.16	27.50	3.26	2.80
Ce	10.28	8.70	9.53	8.90	64.62	58.60	10.08	9.20
Sm	2.35	2.41	2.30	2.42	6.93	6.93	3.33	3.47
Eu	0.91	0.91	0.92	0.92	2.32	2.30	1.30	1.32
Yb	2.57	2.51	2.44	2.41	2.58	2.47	3.68	3.62
Lu	0.43	0.378	0.41	0.386	0.42	0.345	0.62	0.53

Note: b.d. = beyond detection limit.