TABLE 1

ABUNDANCES BY MASS FRACTION IN THE SUN

^{A}Z	X(^{A}Z)	%*	^{A}Z	X(^{A}Z)	%*	^{A}Z	X(^{A}Z)	%*
^{1} H	7.06E-01	-9.4	^{36} S	9.38E-08	24.2	^{59} Co	3.36E-06	-12.2
^{2} H	4.80E-05	46.8	^{35} Cl	2.53E-06	-43.6	^{58} Ni	4.94E-05	-10.3
^{3} He	2.93E-05	4.9	^{37} Cl	8.54E-07	-45.8	^{60} Ni	1.96E-05	-11.2
^{4} He	2.75E-01	24.1	^{36} Ar	7.74E-05	-20.6	^{61} Ni	8.59E-07	-17.2
^{6} Li	6.50E-10	-19.3	^{38} Ar	1.54E-05	-19.8	^{62} Ni	2.78E-06	-13.5
^{7} Li	9.35E-09	-20.6	^{40} Ar	2.53E-08	-818.0	^{64} Ni	7.27E-07	-31.9
^{9} Be	1.66E-10	-88.6	^{39} K	3.47E-06	-6.3	^{63} Cu	5.75E-07	-18.6
^{10} B	1.07E-09	51.1	^{40} K	5.54E-09	-0.5	^{65} Cu	2.65E-07	-19.0
^{11} B	4.73E-09	51.4	^{41} K	2.63E-07	-8.9	^{64} Zn	9.92E-07	-14.7
^{12} C	3.03E-03	-27.5	^{40} Ca	5.99E-05	-17.5	^{66} Zn	5.88E-07	-14.1
^{13} C	3.65E-05	-27.2	^{42} Ca	4.20E-07	-16.2	^{67} Zn	8.76E-08	-13.6
^{14} N	1.10E-03	15.0	^{43} Ca	8.97E-08	-26.6	^{68} Zn	4.06E-07	-13.8
^{15} N	4.36E-06	15.2	^{44} Ca	1.42E-06	-15.6	^{70} Zn	1.38E-08	-14.9
^{16} O	9.59E-03	10.9	^{46} Ca	2.79E-09	1.5	^{69} Ga	3.96E-08	-16.3
^{17} O	3.89E-06	12.4	^{48} Ca	1.38E-07	-16.8	^{71} Ga	2.71E-08	-14.0
^{18} O	2.17E-05	9.6	^{45} Sc	3.89E-08	-4.0	^{70} Ge	4.32E-08	-12.9
^{19} F	4.05E-07	-6.2	^{46} Ti	2.23E-07	-13.6	^{72} Ge	5.94E-08	-13.0
^{20} Ne	1.62E-03	17.2	^{47} Ti	2.08E-07	-14.8	^{73} Ge	1.71E-08	-12.3
^{21} Ne	4.13E-06	-3.4	^{48} Ti	2.15E-06	-15.4	^{74} Ge	8.12E-08	-13.2
^{22} Ne	1.30E-04	-38.3	^{49} Ti	1.64E-07	-14.8	^{76} Ge	1.78E-08	-12.3
^{23} Na	3.34E-05	-19.9	^{50} Ti	1.64E-07	-13.0	^{75} As	1.24E-08	-8.5
^{24} Mg	5.15E-04	-12.9	^{50} V	9.26E-10	4.4	^{74} Se	1.03E-09	-21.0
^{25} Mg	6.77E-05	-14.7	^{51} V	3.77E-07	0.6	^{76} Se	1.08E-08	-23.8
^{26} Mg	7.76E-05	-14.7	^{50} Cr	7.42E-07	-6.9	^{77} Se	9.15E-09	-24.0
^{27} Al	5.80E-05	-14.9	^{52} Cr	1.49E-05	-7.6	^{78} Se	2.90E-08	-23.3
^{28} Si	6.53E-04	-14.7	^{53} Cr	1.72E-06	-8.5	^{80} Se	6.25E-08	-24.0
^{29} Si	3.43E-05	-15.5	^{54} Cr	4.36E-07	-8.6	^{82} Se	1.18E-08	-24.0
^{30} Si	2.35E-05	-14.4	^{55} Mn	1.33E-05	-11.7	^{79} Br	1.19E-08	10.8
^{31} P	8.16E-06	28.3	^{54} Fe	7.13E-05	-15.2	^{81} Br	1.19E-08	10.3
^{32} S	3.96E-04	-11.5	^{56} Fe	1.17E-03	-14.8	^{78} Kr	3.02E-10	-9.5
^{33} S	3.22E-06	-13.0	^{57} Fe	2.85E-05	-14.2	^{80} Kr	2.02E-09	-8.0
^{34} S	1.87E-05	-11.6	^{58} Fe	3.70E-06	-35.2	^{82} Kr	1.07E-08	-6.3

* Percentage difference between mass fractions as calculated from abundance data due to Anders and Grevesse (1989) vs. Cameron (1983).

TABLE 1

ABUNDANCES BY MASS FRACTION IN THE SUN

^{A}Z	X(^{A}Z)	%*	^{A}Z	X(^{A}Z)	%*	^{A}Z	X(^{A}Z)	%*
^{83} Kr	1.08E-08	-6.1	^{104} Pd	4.08E-10	-5.9	^{124} Te	7.18E-10	-49.8
^{84} Kr	5.46E-08	-4.9	^{105} Pd	8.23E-10	-7.0	^{125} Te	1.08E-09	-52.3
^{86} Kr	1.71E-08	-4.9	^{106} Pd	1.02E-09	-7.2	^{126} Te	2.90E-09	-54.0
^{85} Rb	1.10E-08	1.4	^{108} Pd	1.01E-09	-8.2	^{128} Te	4.95E-09	-55.2
^{87} Rb	4.64E-09	1.0	^{110} Pd	4.54E-10	-8.4	^{130} Te	5.36E-09	-57.7
^{84} Sr	2.80E-10	-11.3	^{107} Ag	6.82E-10	-7.5	^{127} I	2.89E-09	-61.9
^{86} Sr	5.05E-09	-11.8	^{109} Ag	6.45E-10	-9.8	^{124} Xe	1.79E-11	-48.7
^{87} Sr	3.32E-09	-14.7	^{106} Cd	5.39E-11	-7.3	^{126} Xe	1.62E-11	-51.0
^{88} Sr	4.32E-08	-11.8	^{108} Cd	3.91E-11	-9.1	^{128} Xe	3.33E-10	-41.5
^{89} Y	1.04E-08	-18.7	^{110} Cd	5.59E-10	-9.6	^{129} Xe	4.18E-09	-44.3
^{90} Zr	1.34E-08	-20.8	^{111} Cd	5.78E-10	-10.3	^{130} Xe	6.74E-10	-39.9
^{91} Zr	2.95E-09	-21.0	^{112} Cd	1.10E-09	-10.3	^{131} Xe	3.38E-09	-40.6
^{92} Zr	4.56E-09	-20.0	^{113} Cd	5.63E-10	-10.7	^{132} Xe	4.14E-09	-40.7
^{94} Zr	4.71E-09	-21.1	^{114} Cd	1.34E-09	-10.8	^{134} Xe	1.56E-09	-47.5
^{96} Zr	7.77E-10	-21.9	^{116} Cd	3.55E-10	-11.0	^{136} Xe	1.28E-09	-50.7
^{93} Nb	1.64E-09	-48.0	^{113} In	2.26E-11	-16.2	^{133} Cs	1.25E-09	-20.3
^{92} Mo	8.80E-10	-92.5	^{115} In	5.12E-10	-18.7	^{130} Ba	1.57E-11	-16.9
^{94} Mo	5.61E-10	-75.5	^{112} Sn	1.05E-10	-9.5	^{132} Ba	1.51E-11	-18.0
^{95} Mo	9.76E-10	-77.8	^{114} Sn	7.18E-11	-12.4	^{134} Ba	3.69E-10	-22.1
^{96} Mo	1.03E-09	-78.5	^{115} Sn	3.75E-11	-15.6	^{135} Ba	1.01E-09	-22.5
^{97} Mo	5.99E-10	-77.8	^{116} Sn	1.63E-09	-9.4	^{136} Ba	1.21E-09	-21.9
^{98} Mo	1.52E-09	-77.4	^{117} Sn	8.67E-10	-10.4	^{137} Ba	1.75E-09	-23.6
^{100} Mo	6.22E-10	-79.6	^{118} Sn	2.76E-09	-10.3	^{138} Ba	1.12E-08	-22.6
^{96} Ru	2.50E-10	-17.0	^{119} Sn	9.87E-10	-10.9	^{138} La	1.43E-12	4.6
^{98} Ru	8.68E-11	-16.4	^{120} Sn	3.79E-09	-12.0	^{139} La	1.57E-09	4.8
^{99} Ru	5.91E-10	-17.7	^{122} Sn	5.46E-10	-13.5	^{136} Ce	7.43E-12	-22.2
^{100} Ru	5.92E-10	-17.7	^{124} Sn	6.93E-10	-14.2	^{138} Ce	9.88E-12	-21.6
^{101} Ru	8.07E-10	-17.7	^{121} Sb	5.42E-10	-14.8	^{140} Ce	3.58E-09	-20.4
^{102} Ru	1.52E-09	-17.3	^{123} Sb	4.11E-10	-15.6	^{142} Ce	4.53E-10	-21.1
^{104} Ru	9.15E-10	-16.4	^{120} Te	1.31E-11	-54.8	^{141} Pr	5.96E-10	-23.7
^{103} Rh	8.96E-10	-33.4	^{122} Te	3.83E-10	-47.1	^{142} Nd	8.08E-10	-9.1
^{102} Pd	3.66E-11	-1.0	^{123} Te	1.33E-10	-55.5	^{143} Nd	3.62E-10	-10.3

* Percentage difference between mass fractions as calculated from abundance data due to Anders and Grevesse (1989) vs. Cameron (1983).

TABLE 1

ABUNDANCES BY MASS FRACTION IN THE SUN

^{A}Z	X(^{A}Z)	%*	^{A}Z	X(^{A}Z)	%*	^{A}Z	X(^{A}Z)	%*
^{144} Nd	7.18E-10	-9.5	^{166} Er	3.54E-10	-4.5	^{188} Os	4.27E-10	-17.2
^{145} Nd	2.52E-10	-9.6	^{167} Er	2.43E-10	-5.0	^{189} Os	5.21E-10	-16.9
^{146} Nd	5.24E-10	-9.9	^{168} Er	2.86E-10	-6.4	^{190} Os	8.55E-10	-17.3
^{148} Nd	1.79E-10	-8.7	^{170} Er	1.61E-10	-4.9	^{192} Os	1.35E-09	-17.2
^{150} Nd	1.77E-10	-9.1	^{169} Tm	1.62E-10	-6.3	^{191} Ir	1.19E-09	-25.0
^{144} Sm	2.91E-11	-6.4	^{168} Yb	1.37E-12	3.8	^{193} Ir	2.02E-09	-25.0
^{147} Sm	1.48E-10	-6.7	^{170} Yb	3.25E-11	8.0	^{190} Pt	8.17E-13	-20.8
^{148} Sm	1.09E-10	-6.1	^{171} Yb	1.53E-10	7.3	^{192} Pt	5.10E-11	-20.2
^{149} Sm	1.34E-10	-7.0	^{172} Yb	2.36E-10	7.9	^{194} Pt	2.16E-09	-20.7
^{150} Sm	7.25E-11	-7.5	^{173} Yb	1.75E-10	7.3	^{195} Pt	2.23E-09	-20.8
^{152} Sm	2.65E-10	-6.8	^{174} Yb	3.47E-10	7.2	^{196} Pt	1.68E-09	-21.2
^{154} Sm	2.28E-10	-6.7	^{176} Yb	1.40E-10	7.1	^{198} Pt	4.82E-10	-21.5
^{151} Eu	1.78E-10	-10.8	^{175} Lu	1.58E-10	-9.6	^{197} Au	9.32E-10	-28.9
^{153} Eu	1.97E-10	-10.7	^{176} Lu	4.63E-12	-15.9	^{196} Hg	2.38E-12	25.9
^{152} Gd	2.54E-12	-46.0	^{174} Hf	1.10E-12	-42.9	^{198} Hg	1.71E-10	28.0
^{154} Gd	2.80E-11	-44.1	^{176} Hf	3.53E-11	-27.9	^{199} Hg	2.88E-10	29.1
^{155} Gd	1.91E-10	-45.6	^{177} Hf	1.28E-10	-25.9	^{200} Hg	3.98E-10	29.0
^{156} Gd	2.67E-10	-46.0	^{178} Hf	1.89E-10	-26.0	^{201} Hg	2.28E-10	29.0
^{157} Gd	2.05E-10	-46.6	^{179} Hf	9.51E-11	-27.9	^{202} Hg	5.16E-10	28.9
^{158} Gd	3.28E-10	-45.5	^{180} Hf	2.46E-10	-27.1	^{204} Hg	1.20E-10	29.1
^{160} Gd	2.92E-10	-46.4	^{180} Ta	1.13E-14	-13.8	^{203} Tl	2.79E-10	-18.6
^{159} Tb	2.43E-10	-44.6	^{181} Ta	9.48E-11	-10.9	^{205} Tl	6.74E-10	-18.3
^{156} Dy	8.72E-13	-0.2	^{180} W	7.88E-13	-168.6	^{204} Pb	3.15E-10	3.8
^{158} Dy	1.51E-12	-1.4	^{182} W	1.61E-10	-159.7	^{206} Pb	3.09E-09	5.2
^{160} Dy	3.73E-11	-5.7	^{183} W	8.80E-11	-160.9	^{207} Pb	3.37E-09	4.5
^{161} Dy	3.03E-10	-7.7	^{184} W	1.90E-10	-158.5	^{208} Pb	9.63E-09	4.7
^{162} Dy	4.14E-10	-7.4	^{186} W	1.79E-10	-157.3	^{209} Bi	7.61E-10	-11.6
^{163} Dy	4.05E-10	-8.0	^{185} Re	9.03E-11	-12.4	^{232} Th	2.46E-10	-22.9
^{164} Dy	4.60E-10	-7.5	^{187} Re	1.66E-10	-13.8	^{235} U	3.41E-11	-28.2
^{165} Ho	3.71E-10	-18.8	^{184} Os	5.68E-13	-16.6	^{238} U	1.09E-10	-28.7
^{162} Er	1.44E-12	-2.3	^{186} Os	5.03E-11	4.6			
^{164} Er	1.68E-11	-2.0	^{187} Os	3.82E-11	-15.2			

* Percentage difference between mass fractions as calculated from abundance data due to Anders and Grevesse (1989) vs. Cameron (1983).