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Introduction

This newsletter reports 1,034 meteorite names from Yamato bare ice fields collected in the 1998 and 2000 field seasons. They include 1 CM chondrite, 2 R chondrites, 2 acapulcoites, 26 howardites, 30 eucrites, 69 diogenites, 3 melt breccias of HED meteorites. Most diogenites are grouped to “Type B” paired with Y-75032.

Classification

Table 1 presents the results of classifications (groups, averages and ranges of Fs and Fa values, fracturing and weathering degrees). Figure 1 presents descriptions and photomicrographs of selected meteorites. Macroscopic descriptions were made by H. Kojima and H. Kiso.

Sample requests

We welcome requests for samples from research scientists from all over the world. All sample requests will be reviewed in a timely manner. Please use the attached request form and send it to the curators by email (curator@nipr.ac.jp).

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Table 1. List of meteorites classified in this volume.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y980648	H5	50.67	18.2	16.9-19.2	15.5	14.4-16.3	B	A	
Y980694	Dio, br	9.47	26.1	25.9-26.3	23.4	21.6-24.5		A/B	Breccia
Y980764	Aca	6.76	8.4	7.8-8.9	10.2	8.7-11.1	A	A	
Y981408	H5	10.0	19.3	17.6-20.8	17.6	16.3-20.8	B	A	
Y981439	H5	3.82	19.8	18.1-21.8	17.8	16.3-22.0	C	A	
Y981444	H5	4.27	19.8	18.5-23.3	17.2	15.6-19.3	B	A	
Y981445	L6	3.53	26.0	25.1-27.4	21.7	19.9-22.8	B	A	Shock vein, maskelynite
Y981462	H5	3.554	19.6	18.8-22.0	16.8	9.0-19.0	C	A	
Y981465	H5	4.62	20.0	18.7-21.3	17.6	14.1-19.3	C	A	
Y981466	H4	3.29	17.9	17.1-20.3	13.6	7.6-19.1	C	A	
Y981491	H5	3.640	19.5	18.6-21.7	17.2	16.2-18.6	B/C	A	
Y981500	L6	3.02	25.5	24.3-29.2	21.5	20.4-24.3	C	A	Shock vein, maskelynite
Y981508	H5	3.03	19.9	18.9-23.1	18.1	16.5-22.4	B/C	A	
Y981517	L6	4.39	26.6	24.3-28.7	21.8	21.3-22.9	A	A	
Y981520	H5	3.054	19.4	18.5-22.9	17.4	13.1-31.4	C	A	
Y981528	L6	3.64	25.3	23.4-27.1	21.0	19.8-24.9	B	A	Maskelynite
Y981529	H4	3.859	18.9	17.6-22.0	16.7	15.6-18.1	C	A	
Y981535	H5	3.29	19.1	18.2-19.8	16.5	15.5-17.3	B/C	A	
Y981542	L6	3.94	25.9	23.3-29.3	21.6	20.4-24.4	C	A	
Y981543	H5	4.971	20.0	17.6-23.2	17.4	16.0-21.3	B	A	
Y981544	LL4	4.2	26.4	25.3-28.5	17.9	6.3-24.3	B/C	A	
Y981546	L5	3.185	25.0	23.8-26.8	20.9	19.8-22.1	B/C	A	
Y981561	H5	3.897	18.8	17.0-21.0	16.8	14.6-21.8	A/B	A	
Y981562	H5	3.49	19.0	15.2-23.5	18.2	15.2-22.7	B	A	
Y981566	H5, br	3.61	19.7	18.1-22.5	18.0	16.2-19.7	A/B	A	Breccia
Y981572	H5	4.76	18.9	17.9-20.2	17.1	14.9-19.8	B/C	A	
Y981573	H5	4.500	18.3	16.9-20.8	16.3	14.6-19.1	B	A/B	
Y981587	H5	3.59	19.8	18.3-21.7	17.9	16.6-20.2	B/C	A	
Y981590	L4	3.30	26.9	25.6-29.2	17.1	2.8-27.0	B	A	
Y981599	L5	4.768	25.8	24.2-28.5	21.6	20.7-27.4	B	B	
Y981609	H5	4.44	19.0	17.3-21.6	17.4	15.6-22.4	B	A	
Y981612	H4, br	3.29	19.5	17.6-21.3	17.1	15.7-20.6	B	A	Breccia
Y981620	Euc	4.67			48.9	47.7-50.5		A	An86.7-95.6
Y981622	Euc	4.91			49.9	48.3-51.7		A	An87.3-89.8
Y981647	L3	13.020	23.7	6.3-36.1	16.3	1.7-32.2	B/C	A	
Y981648	H5	5.89	19.0	18.0-20.2	16.7	15.6-18.3	B	A	
Y981652	Euc	6.01			49.3	47.1-50.9		A/B	Coarse-grained, An88.3-91.7

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y981653	L4	3.641	25.7	22.4-26.7	14.4	4.0-24.0	B/C	A	
Y981655	H6	3.46	18.5	17.7-19.7	16.5	14.8-21.4	C	A	
Y981669	Euc	5.52			48.9	47.0-51.0		A	Shock vein, An87.0-92.1
Y981701	LL5	3.98	27.9	26.8-31.8	23.1	22.4-24.2	A/B	A	
Y981707	L6	4.121	24.8	23.9-26.2	20.7	20.4-21.0	A	A	
Y981714	H4	9.9	18.3	2.8-30.2	16.0	3.4-27.8	C	A	
Y981720	CM	4.8	1.5	0.4-9.9	4.2	0.9-31.7		A/B	
Y981726	Euc	5.92			48.6	46.2-50.7		A	Shock vein, An86.6-90.8
Y981729	LL6	4.31	28.0	25.9-28.7	23.3	21.7-24.8	A	A	
Y981767	L6	3.22	25.6	23.2-29.9	21.4	20.7-24.3	B	A	Shock vein, maskelynite
Y981768	L6	3.067	25.6	24.2-28.3	21.8	19.8-24.2	A	A	Shock vein, maskelynite
Y981780	H5	3.228	19.6	18.6-22.0	17.1	14.9-19.1	B	A/B	
Y981837	H4	4.996	19.5	18.0-23.2	17.5	15.8-21.5	B	A	
Y981839	H4	4.32	19.6	18.4-22.1	17.1	15.7-19.6	A/B	A	
Y981840	H5	4.86	19.4	18.6-20.1	17.1	16.1-20.8	B/C	A	
Y981841	H4	4.2	19.6	18.8-21.7	16.9	16.2-17.6	B	A	
Y981842	H4	2.77	19.7	17.6-23.9	17.4	16.3-19.4	B	A	
Y981844	H5	3.6	18.9	17.6-19.8	16.3	15.0-17.1	C	A/B	
Y981849	H4	3.086	19.3	18.2-21.3	17.2	15.7-19.4	A/B	A	
Y981864	H5	4.12	19.5	18.0-22.3	17.5	15.3-22.7	B/C	A/B	
Y981866	H4	3.96	19.5	18.4-22.5	17.4	15.9-20.4	B/C	A	
Y981867	H5	3.306	19.5	18.2-23.1	17.1	15.0-19.4	B/C	A/B	
Y982717	H4, ano	10.27	11.8	10.3-17.3	11.6	9.7-17.4	A	A	
Y983131	H, melt br	4.35	19.6	17.8-22.6	16.0	11.9-17.3	B	A	
Y983138	H6	27.190	19.3	18.3-20.1	17.1	16.1-18.8	B/C	A/B	
Y983237	Aca	6.193	6.7	5.7-8.5	7.6	5.9-11.5	A	A	Shock vein, maskelynite
Y983760	Euc, poly	14.68			55.6	55.6-55.6		A/B	An81.5-94.5
Y984084	R4-5, br	3.9	39.3	26.7-41.3			B	A/B	Genomict
Y000001	L5	50.130	25.1	24.0-26.4	20.8	18.9-21.6	A	A	
Y000002	L4	19.33	25.1	23.9-25.2	21.5	20.0-26.3	B	A	
Y000003	L6	79.0	24.6	23.5-26.5	20.4	19.7-21.3	B	A	
Y000004	L6	490.6	24.0	22.5-25.1	20.4	2.8	B	B	Shock vein
Y000005	H4	34.39	17.1	15.2-21.0	14.5	13.1-15.3	B	A	
Y000007	L5	34.57	24.8	23.9-26.2	21.1	20.0-22.8	B	A	
Y000016	H5	19.61	19.2	18.2-21.9	17.0	15.8-19.6	B/C	A/B	
Y000017	H5	5.57	18.8	17.2-22.9	16.4	15.3-19.4	B/C	A	
Y000019	H5	13.16	18.4	17.8-19.4	16.6	15.2-20.5	B/C	A	Shock vein

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000020	H4	11.3	18.6	17.7-19.8	16.4	15.3-19.1	B/C	A	
Y000024	H5	5.19	19.0	17.7-21.2	16.7	15.4-19.0	C	A	
Y000028	H4	57.7	18.6	17.5-19.1	16.4	15.7-17.5	A	A	Darkened
Y000034	H4	46.77	18.6	17.6-19.7	16.4	15.5-17.1	B	A	
Y000038	H6	22.93	19.5	18.0-23.2	17.5	15.5-20.7	B	A	
Y000044	H5	5.18	20.1	18.0-24.5	17.3	15.4-19.9	C	A	
Y000048	L6	27.700	25.1	23.5-27.1	21.0	19.1-22.1	B	A	
Y000049	H3	6.60	14.5	13.2-15.9	14.5	3.2-32.8	C	A	
Y000062	L5	38.05	24.8	24.1-25.8	20.6	18.4-21.7	B	A	
Y000063	H5	56.0	19.0	17.8-19.8	16.7	15.2-18.4	B/C	A	
Y000065	H5	6.904	19.1	17.9-21.4	16.9	15.3-21.0	B/C	A	
Y000068	L5	262.40	24.6	23.5-25.8	20.5	19.0-22.0	B	A	
Y000071	H4	9.654	18.8	17.3-20.3	16.5	15.4-18.7	C	A	
Y000072	H4	6.19	18.3	16.8-20.3	16.9	14.4-20.1	C	A	
Y000075	H4	18.140	18.6	17.8-19.7	16.5	15.5-19.3	C	A	
Y000084	L6	11.42	24.8	23.9-25.7	21.2	29.2-25.3	B	A	
Y000085	L3	13.58	23.1	20.8-25.8	18.4	9.4-21.4	A	A	
Y000087	H4	6.375	20.0	18.9-22.5	17.1	16.1-17.9	B	A	
Y000089	LL4	13.18	27.9	26.4-30.1	23.2	22.4-29.4	A	A	
Y000091	L5	44.81	24.7	23.1-27.2	21.2	20.1-24.3	C	A/B	Darkened, shock vein
Y000093	L5	8.90	24.5	23.7-25.9	20.6	19.5-23.3	C	A	Darkened, shock vein
Y000094	L5	18.87	24.8	24.0-26.0	20.6	19.2-23.4	B	A	Darkened, shock vein
Y000095	L5	22.450	24.7	23.8-26.4	20.9	19.8-23.7	B	A/B	Darkened, shock vein
Y000096	H3	19.88	14.2	3.1-28.7	10.5	3.8-23.8	C	A	
Y000102	H5-6, br	12.53	19.3	18.4-21.3	17.4	14.9-21.9	B	A	Genomict
Y000106	H4	6.51	19.0	18.2-22.7	16.9	14.9-19.3	B	A	
Y000107	H4	18.61	18.9	18.0-20.7	16.7	15.3-18.8	B	A	
Y000111	H4	46.11	19.1	18.2-20.2	16.9	14.9-18.8	B	A	
Y000117	How	6.217			38.4	31.9-44.9		A	
Y000118	L3	15.960	24.0	22.5-26.9	18.9	13.4-24.2	B	A	
Y000128	H4	24.8	19.5	18.0-21.7	17.3	15.8-19.9	B	A	
Y000129	L3	11.33	24.3	22.4-26.3	20.5	13.1-25.5	C	A	
Y000130	L, melt br	8.364	26.3	21.4-28.0	22.1	21.5-22.5	C	A/B	
Y000134	L6	139.70	25.2	24.3-26.3	21.5	20.1-23.7	B	A	
Y000135	L6	195.60	25.1	23.9-26.8	21.4	20.0-23.5	B	A/B	Shock vein
Y000136	L5	51.680	25.2	24.2-26.2	21.6	20.8-23.2	B	A	
Y000137	Mes	23.590			34.9	32.5-38.7	B	A/B	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000138	Euc	35.450			30.9	30.9-30.9		A	Melt breccia
Y000139	LL5	9.66	28.7	27.6-30.1	23.6	22.2-24.9	B	A	
Y000140	L5	8.1	25.7	24.5-28.5	21.0	18.8-22.3	B	A	
Y000141	H4	5.8	18.7	17.9-20.2	17.0	15.8-20.4	C	A	
Y000144	H4	10.42	19.0	17.7-20.4	16.6	15.3-17.9	B	A	
Y000149	H4	84.63	18.6	18.0-19.1	16.3	15.3-19.2	C	A	
Y000150	L5	142.20	25.4	24.2-28.5	21.2	20.2-22.2	B	A	
Y000153	H4	23.42	18.2	17.3-19.4	16.3	14.9-18.6	B	A	
Y000154	L6	160.50	25.2	17.9-29.4	21.6	20.0-25.4	B	A/B	
Y000155	L6	7.48	25.4	23.3-27.5	21.9	20.2-24.7	B	A/B	
Y000156	Dio	30.18			34.3	29.7-54.8		A	
Y000157	L6	12.82	25.6	24.4-27.7	21.5	20.6-25.1	B	A	
Y000164	H5	7.42	19.6	18.0-22.4	17.1	15.3-19.7	B	A	
Y000181	L6	20.640	25.5	23.6-27.9	21.3	19.9-23.3	B	A	Shock vein
Y000184	H4	10.06	19.4	17.3-21.9	17.5	16.1-19.0	C	A	
Y000186	H4	5.93	19.2	17.9-20.3	16.7	16.1-17.3	C	A	
Y000190	H5	5.14	18.8	17.8-20.3	16.9	15.0-19.7	B	A	
Y000192	L5	16.270	26.1	24.1-30.6	22.0	20.4-24.7	B	A	Shock vein
Y000196	H4	143.20	19.3	17.4-20.0	17.0	16.3-18.9	C	A/B	
Y000199	L5	6.13	25.7	24.5-28.9	21.4	20.6-23.2	B	A	
Y000200	H3	12.9	18.3	10.2-26.5	10.5	2.6-25.7	B	A	
Y000201	L6	124.80	25.3	24.2-28.0	21.3	20.6-22.0	B	A/B	Shock vein
Y000202	H4	104.90	19.0	18.1-19.7	16.9	15.5-19.3	C	A	
Y000205	L6	13.21	25.7	24.4-27.7	22.0	20.7-27.1	B	A/B	Shock vein
Y000214	L5	15.030	25.4	23.4-26.7	22.1	19.0-25.7	B	A/B	
Y000217	H4-6, br	10.500	18.4	16.6-20.8	15.8	14.9-16.5	C	A	Genomict
Y000218	L6	15.04	25.2	24.2-26.6	21.9	20.3-26.3	B	A	
Y000220	L5	23.14	25.5	24.2-27.4	21.5	20.2-25.4	A	A	
Y000223	How	100.000	19.7	13.5-32.1	29.4	15.2-65.3		A/B	An79.2-92.7
Y000227	H4	43.1	19.2	18.2-21.0	17.6	16.3-19.3	B	A	
Y000228	H4	172.20	19.3	18.1-21.0	17.3	16.2-18.6	B	A	
Y000229	H4	35.68	19.4	18.3-23.2	16.9	15.1-19.3	B	A	
Y000230	H4	13.09	19.3	18.0-22.2	17.2	16.3-20.3	B	A/B	
Y000233	H4	29.47	19.7	18.0-23.1	17.1	16.0-21.4	B	A/B	
Y000236	L4	5.88	22.7	21.2-24.2	18.8	17.5-19.9	B	A/B	Darkened
Y000237	H4	16.59	19.2	17.8-20.9	17.3	16.4-21.5	C	A	
Y000239	H4	24.99	18.7	17.5-20.8	16.9	15.7-21.5	C	A/B	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000245	Dio	156.40			33.2	30.5-34.8		A	
Y000248	Euc	9.64			52.7	49.8-54.3		A	An80.3-86.1
Y000249	L6	14.460	25.3	23.9-27.7	21.3	20.2-24.0	B	A	Shock vein
Y000250	H4	6.038	19.4	17.8-22.1	16.9	15.4-18.7	C	A	Shock vein
Y000253	Euc	13.0			42.9	40.5-44.6		A/B	An89.5-93.0
Y000255	H4	9.46	19.5	18.3-22.1	16.9	16.0-20.9	B/C	A	
Y000259	L6	52.84	26.1	24.5-29.5	21.6	20.2-22.4	B	A	Shock vein
Y000260	H4	10.480	19.3	17.7-23.6	16.9	15.7-21.2	B	A	
Y000262	H5	9.731	20.1	16.1-21.6	17.4	13.5-21.5	B	A	
Y000265	H4	15.910	19.1	18.1-20.4	16.9	15.0-18.6	C	A	
Y000274	H4	15.770	19.3	17.8-24.5	16.8	15.7-18.6	B/C	A	
Y000275	H4	29.64	19.1	17.4-21.7	16.8	15.5-18.6	C	A	
Y000276	H4	11.740	19.0	17.7-20.8	16.7	15.3-21.9	C	A/B	
Y000277	H4	9.193	19.1	17.9-22.1	16.7	16.0-18.2	C	A	
Y000278	H4	33.970	19.1	17.4-20.7	17.0	15.9-20.1	C	A	
Y000280	H6	15.610	19.5	18.0-22.1	17.0	15.6-18.0	C	A	
Y000281	L5	18.63	25.6	24.5-27.1	21.7	20.7-22.7	A/B	A	
Y000282	H5	13.66	19.8	18.5-22.4	17.1	15.8-19.1	C	A	
Y000284	H5	15.45	18.5	17.7-19.1	16.6	15.2-18.8	B/C	A	
Y000285	H4, br	7.447	20.3	18.0-25.5	17.5	15.3-20.6	B/C	A	Igneous clast
Y000289	L6	8.00	25.5	23.7-31.8	21.3	19.9-22.5		A	
Y000290	H4	158.70	19.6	18.0-22.9	16.7	16.3-17.2	B	B	
Y000292	Dio, br	16.38			33.4	30.6-39.2		A	Type B
Y000295	H4	7.04	19.0	17.4-23.1	16.7	15.7-18.6	C	A	
Y000296	H5	15.910	19.2	17.7-21.1	17.3	15.5-24.2	B	A/B	Shock vein
Y000297	H4	17.53	19.3	17.6-22.6	16.7	14.9-19.5	B	A/B	
Y000298	H4	6.298	18.9	16.9-24.0	16.5	15.2-17.5	B/C	A	
Y000299	H4	8.48	19.3	18.0-21.1	16.6	35879	B/C	A/B	
Y000306	Euc	6.767			25.8	15.5-34.4		A	Melt breccia
Y000307	Euc	17.040			31.3	22.3-39.3		A	Melt breccia
Y000308	Dio, br	160.50			32.7	28.6-35.4		A	Type B
Y000309	L5	153.40	25.6	24.8-27.2	22.1	19.6-25.7	B/C	A	Shock vein, melt pocket
Y000310	L5	76.830	26.4	23.9-31.5	21.9	20.5-23.9	B	A	
Y000312	H5, br	10.480	19.4	18.4-21.4	17.7	16.5-20.1	C	A	Breccia
Y000313	Euc, br	33.380			34.4	31.1-44.7		A	Melt breccia
Y000314	L5	95.29	25.7	24.1-27.9	21.8	21.1-24.4	A/B	A	Shock vein
Y000315	H4	14.21	19.7	18.9-22.0	17.6	14.7-23.0	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000316	Dio, br	27.31			32.7	30.9-34.2		A	Type B
Y000317	H5, br	11.92	19.3	17.7-21.4	17.0	15.5-21.2	C	A	Breccia
Y000318	L5	19.29	25.7	24.6-28.8	23.2	21.8-28.7	B	A	Shock vein
Y000319	L5	15.0	25.7	24.3-28.1	21.6	20.7-22.4	A/B	A/B	
Y000320	H, br	5.087	19.6	17.6-23.1	17.5	15.6-19.4	B/C	A	Breccia
Y000321	H4	18.69	19.4	18.2-22.0	17.1	16.2-19.2	B	A/B	
Y000322	H4	92.09	19.2	18.5-20.5	17.0	15.5-20.5	B/C	A/B	
Y000324	H5	37.750	19.1	18.1-21.1	16.6	15.3-18.8	B	A/B	
Y000325	H5	5.19	19.0	17.2-20.2	17.8	16.4-20.2	B	A	
Y000326	H5	16.0	19.6	18.4-25.4	17.3	12.6-20.9	B/C	A	
Y000328	H5	31.31	19.2	18.1-22.3	17.2	16.3-19.5	B/C	A	
Y000329	LL6	162.40	26.1	24.5-30.1	22.1	20.0-26.7	B	A	Shock vein
Y000330	H4-5	16.41	20.2	16.0-25.0	17.1	11.9-20.5	B	A/B	Shock vein
Y000333	How	30.83	19.2	14.8-27.8	29.6	16.7-66.3		A	
Y000334	How	37.56			45.4	34.0-64.9		A	
Y000335	H5, br	5.02	19.4	18.1-22.9	16.8	15.3-20.6	B/C	A	Breccia
Y000336	H4, br	7.865	18.9	18.2-21.0	16.6	9.3-19.7	C	A	Breccia
Y000337	H5	41.1	19.4	18.8-19.9	17.0	16.6-17.4	C	A	
Y000338	L6	41.920	25.9	24.2-29.2	22.2	21.3-22.8	A/B	A	Shock vein
Y000340	H5	6.549	18.9	17.7-22.2	16.5	15.2-18.0	B/C	A	
Y000341	L5, br	141.30	25.6	24.4-26.8	22.4	20.6-25.9	B	A/B	Shock vein, breccia
Y000342	Dio, br	29.05			33.5	30.8-35.9		A	Type B
Y000343	H5	44.68	19.0	17.9-22.2	17.0	15.8-19.9	B/C	A	
Y000345	H5	16.31	19.7	18.5-22.4	17.3	16.1-19.3	B/C	A	Shock vein
Y000346	H5	19.71	19.0	18.2-20.7	17.0	14.8-19.1	B	A	
Y000347	H5	50.850	19.1	16.9-20.5	17.1	16.1-19.2	C	A	
Y000351	L5	10.81	25.5	24.3-27.5	21.9	20.3-25.0	B	A	
Y000352	H4	45.0	19.4	18.5-22.5	16.6	14.5-18.9	B	B	
Y000353	L6	17.5	25.3	23.4-28.1	20.9	18.8-23.1	B/C	A	
Y000354	L5	29.3	25.4	24.5-27.0	22.5	21.2-25.0	A/B	A	
Y000355	H6	5.6	19.4	17.4-21.8	17.3	16.0-21.2	B	A/B	Shock vein
Y000356	H4	7.54	17.6	10.3-21.4	14.6	8.3-21.4	B	A	
Y000357	L6	203.30	25.4	24.0-27.9	21.3	20.4-23.1	B	A/B	
Y000358	L6	58.2	25.7	24.6-27.3	22.2	21.3-24.3	B	A	Shock vein, maskelynite
Y000359	H4	25.110	18.5	17.3-19.4	16.5	14.7-19.8	B/C	A	
Y000360	H4	5.067	18.7	18.0-19.2	17.2	14.8-22.6	B	A	
Y000361	L6	5.23	25.2	23.2-27.1	22.1	19.7-22.8	A	A	Shock vein

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000362	Dio, br	9.72			32.3	30.7-34.6		A	Type B
Y000363	H4/5	9.24	18.9	17.7-21.7	16.8	15.6-18.9	B	A	
Y000365	H4	16.9	19.3	18.0-20.6	17.1	15.9-21.0	B/C	A	
Y000368	H4	8.505	19.4	17.9-22.8	16.6	14.7-18.7	B/C	A	
Y000370	H4	9.1	19.7	17.9-22.6	17.2	14.5-20.5	B	A	
Y000373	L6	9.53	25.3	24.4-27.3	21.5	20.2-22.5	B	A	
Y000376	H5	7.4	19.1	18.2-20.6	16.6	15.3-19.2	B	A	
Y000377	H4	20.87	18.7	17.6-20.0	16.5	15.5-18.4	C	A	
Y000379	L6	24.49	26.1	24.8-29.1	22.1	20.6-23.3	B/C	A	Shock vein
Y000380	L3	10.21	17.7	4.5-34.9	12.6	3.1-19.8	B	A	
Y000382	L6	6.092	25.4	24.2-27.7	21.2	20.4-22.6	B	A	
Y000383	H5	12.12	19.8	18.8-22.5	17.2	16.0-19.8	B/C	A	
Y000384	H4	11.410	20.1	18.5-23.3	16.8	15.5-18.2	B/C	A/B	
Y000385	L6	23.470	25.9	24.7-30.4	22.0	20.4-26.1	B	A	
Y000386	H4/5	17.94	19.1	17.9-20.7	17.6	15.6-20.8	B	A	
Y000387	L6	6.99	25.9	24.1-29.1	22.2	19.6-25.5	B	A	Shock vein
Y000388	L6	19.77	25.7	24.3-32.7	21.5	19.0-23.5	B	A	Shock vein
Y000389	H4	7.90	19.2	17.2-21.9	16.9	16.2-19.5	B	A/B	
Y000390	L5/6	12.1	25.6	24.0-27.1	21.3	20.3-22.3	B	A	
Y000391	H5	8.159	19.3	17.8-21.1	17.1	16.2-18.7	B	A	
Y000393	H4	9.3	19.1	17.8-22.8	16.8	15.5-19.0	B/C	A	
Y000395	H5	11.75	19.9	18.1-24.3	17.8	15.7-20.6	C	A	
Y000396	L6	11.01	25.8	24.4-30.6	22.0	20.2-26.1	A/B	A	
Y000397	H5	8.220	19.4	17.4-22.1	16.7	15.5-18.2	C	A	
Y000399	H4	5.981	19.5	18.2-23.3	17.2	16.3-18.9	B/C	A	
Y000402	Dio, br	9.822			33.3	30.9-35.4		A	Type B
Y000403	H4	10.9	19.6	18.6-20.4	17.3	16.4-19.8	C	A	
Y000404	H4	38.0	19.2	17.8-23.8	16.4	15.1-17.9	B	A/B	
Y000405	Dio, br	13.0			32.4	30.2-34.6		A	Type B
Y000406	H6	97.57	19.8	18.2-20.9	17.0	16.0-17.5	B	A/B	
Y000407	H6	27.77	19.7	18.6-24.7	17.4	16.8-18.1	B	A	
Y000408	L5	222.10	25.5	24.0-26.2	21.6	21.0-24.1	B	B	
Y000409	H4	8.89	19.0	17.8-22.8	16.6	14.0-18.1	B	A	
Y000410	L6	16.26	25.5	24.4-27.8	21.9	20.3-25.5	B	A	
Y000411	H3	49.1	18.3	16.8-20.8	16.5	15.4-20.3	C	A/B	
Y000412	H4	6.00	19.0	17.2-20.5	16.9	15.6-18.7	B	A/B	
Y000413	H4	11.71	19.0	15.1-21.0	17.5	15.5-22.9	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000414	H4	431.90	18.5	17.1-21.1	16.2	15.3-17.6	C	A/B	
Y000415	H4	63.85	18.2	17.2-19.2	17.0	15.5-20.6	B	A	
Y000417	H4	12.220	18.5	17.3-21.1	16.5	13.5-19.3	B	A/B	
Y000419	Dio, br	18.48			33.3	30.8-36.3		A	Type B
Y000423	H4	12.03	18.5	17.4-23.1	16.9	15.3-20.6	B	A/B	
Y000424	H4	11.270	18.8	17.6-21.7	16.6	15.0-19.6	B	A	
Y000426	How	27.750	14.2	13.4-15.0	27.6	16.2-63.7		A/B	
Y000427	How	9.80	13.9	13.9-13.9	27.8	15.3-63.0		A	
Y000428	How	170.700	21.5	13.2-41.1	26.1	14.9-60.8		B	
Y000429	L5	9.575	25.7	24.0-27.0	21.5	20.0-25.7	B	A	
Y000430	H5	6.79	19.5	18.7-20.4	17.2	16.0-21.6	B	A	
Y000431	L6	32.550	24.7	23.1-27.8	20.7	19.7-23.2	B	A	Shock vein
Y000432	H4	18.74	19.2	18.2-20.1	16.9	15.0-18.4	C	A	
Y000433	Dio, br	25.86			32.9	28.2-34.7		A/B	Type B
Y000434	H5	18.000	19.9	17.8-21.6	17.2	16.3-18.1	B	A	
Y000435	Dio, br	13.7			33.1	28.3-37.3		A	Type B
Y000436	H4	8.47	18.0	17.3-19.6	16.0	14.1-18.9	B	A	
Y000437	L6	14.59	25.7	24.3-29.3	22.2	20.9-24.5	B	A	Shock vein, maskelynite
Y000438	L6	264.300	25.6	23.0-30.3	21.4	19.8-24.3	B	A	Shock vein, maskelynite
Y000439	H4	310.400	18.3	17.4-20.9	17.1	14.6-21.4	B	B	
Y000440	H4	131.80	19.1	17.6-22.0	17.2	15.9-25.6	B	A/B	
Y000441	H4	236.80	19.2	18.3-21.7	16.9	15.0-23.4	C	B	
Y000442	H4	30.09	18.7	17.6-19.8	17.0	15.7-24.0	C	A	
Y000443	H4	41.660	18.7	17.2-20.8	16.7	15.0-20.6	C	A	
Y000444	H4	129.900	18.9	18.0-21.6	16.5	14.2-17.8	B	A	
Y000445	Dio, br	9.15			33.5	31.5-26.8		A	Type B
Y000446	Dio, br	7.21			33.0	31.0-35.0		A	Type B
Y000448	L6	16.75	25.6	24.1-30.1	22.3	20.5-25.6	A	A	Shock vein, maskelynite
Y000449	Dio, br	15.630			33.5	32.0-35.1		A	Type B
Y000450	L5	24.300	25.9	23.9-28.1	23.2	20.9-29.7	B	A	
Y000451	L6	389.30	25.5	24.1-27.8	22.6	20.4-27.4	B	A/B	Shock vein, maskelynite
Y000452	H3	7.45	19.2	14.1-24.9	15.6	5.6-30.1	C	A	
Y000453	L5	202.90	25.7	23.3-26.9	22.2	20.5-23.7	B	A	Shock vein
Y000454	Dio, br	48.39			33.3	30.3-35.4		A	Type B
Y000455	L6	125.600	25.8	24.4-30.8	21.8	20.6-24.3	B	A	Shock vein, maskelynite
Y000456	L6	23.32	25.3	23.6-27.4	21.9	19.7-25.4	B	A	Shock vein, maskelynite
Y000457	H4	99.710	19.3	17.7-20.9	16.9	16.2-17.8	B	A/B	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000458	L6	81.89	25.7	24.1-27.8	21.5	19.7-23.8	B	A	Shock vein, maskelynite
Y000459	H4	7.59	19.4	18.0-23.1	16.7	15.8-22.0	B	A	
Y000460	H4	14.000	19.5	18.3-23.0	16.4	15.2-18.8	C	A	
Y000462	H5	8.123	18.9	17.6-19.7	16.9	15.6-17.7	C	A/B	
Y000463	H4	5.98	18.7	17.5-19.7	16.5	15.6-17.2	B	A	
Y000464	Euc	46.17			38.7	30.2-42.8		A	
Y000465	L6	33.800	25.6	24.1-28.2	22.1	20.8-24.0	B	A	Shock vein, maskelynite
Y000466	H4	14.420	19.1	18.0-22.8	17.0	15.7-21.4	B	A	
Y000467	H4	13.27	19.1	17.9-21.8	16.9	16.0-18.8	B	A	
Y000468	Dio, br	125.900			33.5	31.0-37.0		A	Type B
Y000469	H, melt br	6.778	19.7	17.4-22.5	16.9	15.9-19.5	B	A	Melt breccia
Y000470	L5	402.60	25.4	23.9-27.5	22.5	20.5-24.5	A	B	
Y000471	L5	40.17	25.4	24.2-28.2	21.9	19.9-27.9	B	B	
Y000472	L5	30.070	25.3	24.3-27.5	21.2	20.6-21.7	B	A/B	
Y000473	L5	5.481	25.8	24.7-28.8	21.7	20.5-24.1	B	A	
Y000477	H4	5.577	19.0	18.3-19.6	16.7	15.0-20.0	B	A	
Y000478	H4	7.83	18.9	17.8-21.2	16.7	15.8-18.6	B	A	Shock vein
Y000480	Dio, br	271.90			32.9	29.9-35.0		A	Type B
Y000482	Dio, br	282.80			33.3	30.7-49.5		A	Type B
Y000483	L6	154.90	25.5	24.7-27.8	21.7	20.3-25.6	B	A	Shock vein
Y000484	Dio, br	41.54			33.2	30.8-36.6		A	Type B
Y000486	H6	13.66	19.6	16.4-23.6	17.1	15.6-20.5	B	A	
Y000487	H5	21.000	18.8	17.8-20.5	17.0	15.9-18.5	B	A	
Y000489	H5	22.35	19.0	18.0-20.5	16.7	15.9-17.9	B/C	A	
Y000490	H4	11.32	19.0	18.1-21.1	16.6	14.9-19.2	C	A	
Y000492	Dio, br	102.5			33.2	30.7-36.4		A	Type B
Y000493	Dio, br	12.85			32.7	29.5-35.5		A	Type B
Y000494	H3	10.160	18.9	16.1-23.1	16.5	12.9-22.7	B	A	
Y000495	L5	17.88	25.4	24.4-26.4	21.9	20.3-25.2	B	A	
Y000496	H4	12.04	19.7	18.3-22.6	17.2	16.0-18.9	C	A	
Y000497	H3	8.310	18.2	15.7-20.7	14.7	9.0-20.8	B	A	
Y000498	LL5	22.04	26.5	24.5-30.4	22.2	20.9-23.9	B	A	
Y000499	How	62.71	16.6	12.9-23.4	27.5	17.7-61.8		A/B	An89.4-94.7
Y000500	L5	9.49	25.4	23.8-28.2	21.6	20.3-24.5	B	A	
Y000501	L5	9.0	25.6	23.8-28.6	21.6	20.8-24.4	B	A	
Y000502	H4	18.6	19.0	17.9-22.5	17.2	15.3-21.2	B	A	
Y000503	H6	5.229	20.7	19.4-23.0	17.9	14.4-20.8	C	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000504	H6	9.17	20.9	19.6-23.8	18.2	15.2-21.8	C	A	
Y000506	Dio, br	14.25			33.8	31.4-35.2		A/B	Type B
Y000508	L5	5.55	25.4	24.5-27.7	21.6	20.8-23.0	A/B	A	
Y000509	Euc, poly	10.40			43.2	27.3-60.9		A/B	An75.9-91.9
Y000511	H5	13.420	18.5	17.5-21.6	16.7	15.6-18.7	B	A	
Y000512	H5	5.621	18.6	17.2-19.2	16.3	14.9-16.9	B	A	
Y000514	H5	104.70	19.5	18.7-21.2	17.3	15.0-22.0	B	A	
Y000515	H5	33.900	20.0	17.2-21.7	17.5	16.2-19.2	B	A/B	
Y000516	H5	20.63	19.4	16.9-21.2	17.7	16.8-19.2	B	A	
Y000518	H4/5	9.59	19.0	18.0-20.7	16.9	16.0-20.5	B	A/B	
Y000520	H6	7.48	19.1	18.1-20.3	16.8	15.8-17.8	B/C	A	
Y000522	H5	26.38	19.8	17.9-22.9	17.3	15.6-20.5	B	A	
Y000523	How	23.170	13.7	12.7-14.3	27.5	9.5-63.6		A/B	An81.6-96.2
Y000524	L6	14.750	26.0	24.3-28.4	22.1	21.0-23.9	A	A	
Y000525	H6	9.29	18.7	17.7-19.3	16.7	15.9-17.1	C	A	
Y000526	H4/5	6.041	18.6	4.3-21.9	17.1	15.9-21.5	B	A	
Y000527	How	42.53	18.0	14.4-21.5	31.2	16.1-68.9		B	An62.0-86.6
Y000528	How	22.08	16.8	12.7-23.9	30.0	15.7-60.6		A/B	An89.1-92.5
Y000529	How	70.490	17.3	12.7-27.5	31.6	15.1-65.9		A/B	An75.9-94.0
Y000534	H5	5.76	19.4	18.6-20.5	17.6	16.3-19.4	B	A	
Y000535	Dio, br	5.927			33.2	31.0-35.5		A	Type B
Y000536	H5	12.530	19.4	18.4-20.6	17.1	16.1-18.1	B/C	A	
Y000538	L5/6	11.200	25.9	23.6-28.1	21.4	19.6-22.6		A	
Y000539	Euc, br	41.530			40.3	32.9-42.9		A	Melt breccia
Y000540	Dio, br	44.81			34.3	31.2-37.4		A	Type B
Y000542	H5	6.933	19.3	18.0-20.1	16.9	16.3-18.7	B/C	A	
Y000543	H5	21.0	19.3	17.8-21.7	17.2	14.8-21.1	B/C	A	
Y000545	L6	6.10	25.8	23.9-27.6	22.1	20.0-24.8	B	A	Shock vein
Y000548	H6	92.33	19.5	18.2-22.5	19.1	15.3-42.4		A	
Y000549	L5/6, br	11.33	26.1	24.9-29.1	22.1	20.8-27.5	B	A	Breccia
Y000550	H5	5.66	20.0	18.4-22.8	17.1	15.2-18.5	C	A	
Y000552	L5	8.133	26.5	24.5-38.1	22.2	20.7-26.1	B	A	Shock vein
Y000553	Dio, br	94.80			32.8	30.7-35.2		A	Type B
Y000554	H4	15.24	19.1	17.9-20.8	17.3	16.2-21.1	C	A	
Y000556	L5	6.50	25.8	24.9-27.5	22.0	20.5-24.1	B	A	Shock vein
Y000557	L5	6.055	26.0	24.1-28.1	22.1	19.9-25.9	B	A	
Y000558	H4	11.520	19.3	18.1-22.5	16.9	16.6-17.6	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000559	H4	5.84	19.6	18.4-22.0	17.3	16.1-20.1	C	A/B	
Y000560	H4	7.843	20.0	17.7-22.9	17.1	15.4-18.7	C	A	Darkened
Y000561	Dio, br	15.29			34.3	31.6-40.2		A	Type B
Y000562	H5	17.33	19.7	18.0-22.6	17.1	15.7-19.6	C	A	
Y000563	H4	6.832	19.6	18.5-21.9	17.0	15.1-19.2	C	A	
Y000564	H5	8.68	19.7	18.6-22.0	17.3	15.4-18.1	C	A	
Y000565	H4	5.60	19.8	18.1-23.1	17.6	16.1-20.8	C	A	
Y000566	H6	47.190	19.5	18.6-20.4	17.5	16.3-21.2	C	A	
Y000568	L6	24.120	25.7	24.6-28.2	21.4	20.6-23.7	B	A	Shock vein, maskelynite
Y000569	H3	13.00	18.5	16.4-23.0	15.8	3.3-31.5	B	A	
Y000570	H5	12.49	19.4	18.4-21.7	16.9	16.3-17.9	C	A	
Y000574	Dio, br	12.610			32.4	30.6-34.5		A	Type B
Y000576	L5	15.51	25.6	24.7-26.8	22.2	20.8-25.4	A	A	Shock vein
Y000577	How	7.05			31.3	16.5-66.1		A	
Y000578	L6	13.69	25.7	24.6-28.2	21.9	20.8-22.9	B	A	Shock vein
Y000579	L6	15.97	25.6	24.3-28.7	21.8	20.8-23.3	B	A	
Y000580	H4	410.800	19.0	17.3-21.6	16.7	13.9-19.9	C	A	
Y000584	How	45.950	13.9	13.2-14.5	26.6	15.1-64.6		A/B	
Y000585	H, melt br	9.49	19.8	18.6-23.9	16.9	15.5-17.9	C	A/B	Melt breccia
Y000586	L5	10.78	25.7	23.9-31.6	22.0	20.5-25.7	A	A	
Y000588	Dio, br	79.370			32.8	30.7-34.8		A/B	Type B
Y000589	H4	9.36	18.8	17.7-19.4	16.6	15.4-19.7	C	A	Darkened
Y000590	H4	88.640	19.3	18.4-21.4	16.7	15.5-18.1	C	A	
Y000591	H4	17.70	20.9	17.5-24.7	16.9	6.5-21.0	B	A	Darkened
Y000592	How	26.76			28.6	17.7-62.3		A	An78.8-94.1
Y000595	L6	137.00	25.8	24.6-29.7	21.7	20.9-24.3	A	A	Shock vein
Y000596	How	103.60	13.8		27.8	14.7-60.6		A/B	
Y000597	L6	8.57	26.0	24.2-28.7	22.2	20.8-25.6	C	A	Shock vein
Y000598	L6	47.93	25.4	24.5-26.9	21.3	20.6-24.7	B	A	
Y000599	L4	54.07	24.3	23.5-25.4	20.8	20.5-21.0	B	A	
Y000601	H, melt br	22.26	19.6	18.2-21.8	17.2	15.6-18.8	A/B	A	Melt breccia
Y000603	How	11.61	13.6	11.6-16.8	30.5	13.5-61.8		A	An87.1-96.0
Y000605	How	7.74			35.4	12.5-66.9		A/B	An73.3-96.1
Y000606	H5	7.75	19.6	18.3-21.4	17.3	16.2-19.7	B	A	
Y000607	H5	26.27	19.2	18.3-21.9	16.6	15.4-18.4	B/C	A	
Y000609	L5	8.55	25.9	24.6-27.4	21.7	19.8-22.9	A	A	
Y000611	H4/5	28.94	19.1	17.0-21.1	17.6	16.1-20.3	B	A	Shock vein

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000613	H5	20.98	19.3	18.1-20.4	16.9	15.7-19.0	B	B	
Y000616	L6	11.680	25.6	24.3-27.0	21.5	20.3-22.8	A	A	Shock vein
Y000617	H4	13.30	19.2	18.1-20.4	17.4	15.7-20.4	A/B	A	
Y000619	H4	9.690	18.0	17.1-19.0	16.2	15.2-19.4	B	A	
Y000620	H4	5.64	19.5	18.3-22.1	17.3	15.8-21.1	B/C	A	
Y000621	H5	21.64	19.7	18.0-23.7	17.5	15.7-21.0	B/C	A/B	
Y000625	H5	8.0	19.8	18.0-24.5	17.3	15.5-22.5	A/B	A	
Y000626	L6	27.77	26.4	25.3-29.5	22.1	22.1-22.1	A	A/B	
Y000627	L6	21.230	25.9	24.5-28.4	21.6	19.6-24.8	B	A	
Y000630	H5	8.553	19.3	17.6-21.2	17.2	15.7-19.4	B	A	
Y000631	Dio, br	10.980			33.5	29.4-35.8		A	Type B
Y000632	L5	6.934	26.2	24.8-30.5	22.0	20.7-24.9	A	A/B	
Y000634	H4/5	5.56	19.5	18.7-21.3	17.3	14.5-22.5	B	A	
Y000635	H4/5	6.66	19.8	18.7-23.1	17.8	15.9-22.3	B	A/B	
Y000637	Dio, br	9.02			31.9	27.0-39.7		A	Type B
Y000638	Euc, br	31.69			39.7	34.4-42.5		A	Melt breccia
Y000640	L5	9.10	25.9	24.5-28.7	21.4	19.9-22.7	A	A	Shock vein
Y000641	L6	491.80	25.4	23.8-27.1	21.0	20.6-21.7	C	A	
Y000642	Dio, br	90.24			33.6	29.4-35.9		A	Type B
Y000643	Dio, br	31.410			32.7	31.8-34.8		A	Type B
Y000644	Dio, br	81.920			33.3	30.3-34.9		A	Type B
Y000645	L6	54.18	25.5	24.3-28.6	21.7	20.4-24.9	B	A	
Y000646	H, melt br	7.95	20.6	18.2-23.0	18.1	12.6-21.9	C	A	Melt breccia
Y000647	L6	27.280	25.2	24.0-28.3	22.1	20.1-25.7	B	A	
Y000648	L, melt br	45.37	25.8	24.8-29.3	22.2	20.8-25.2	B	A	Melt breccia
Y000650	L5	30.780	25.6	24.6-27.7	21.6	20.4-23.1	B	A	
Y000653	Euc, br	5.01			36.5	28.1-39.6		A	Melt breccia
Y000654	H4	6.80	19.8	18.7-24.2	17.6	16.4-21.3	B	A	
Y000655	H6	16.64	19.5	18.5-20.4	17.3	16.6-17.9	B	A/B	
Y000656	H5	9.78	19.9	18.3-25.2	17.3	16.1-20.0	B/C	A	
Y000657	L6	24.16	25.4	24.1-26.9	21.9	20.2-25.4	B/C	A	Shock vein
Y000659	H5	19.040	19.5	18.4-23.1	17.3	15.6-20.3	B	A	
Y000660	L6, melt br	5.559	25.8	24.0-28.6	20.6	8.3-23.8	B/C	A	Melt breccia
Y000661	L6	20.6	25.8	24.8-27.9	21.6	19.9-26.0	B/C	A/B	
Y000662	H4	25.420	19.0	18.0-19.9	16.7	15.5-17.6	B	A	
Y000663	H6	6.21	20.3	19.8-21.0	17.7	16.7-18.5	B	A/B	
Y000664	H4	5.08	19.8	18.0-22.9	17.4	16.5-20.9	A/B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000665	Euc, poly	45.13			26.1	16.4-42.3		A	An74.4-95.4
Y000668	Euc, br	19.50			34.7	31.3-38.5		A	Melt breccia
Y000669	L6	5.44	26.0	23.7-28.9	22.5	21.2-24.1	B	A	
Y000671	H4	23.06	19.4	18.2-22.8	17.2	15.7-19.3	B/C	A	
Y000672	H, br	11.0	20.2	17.1-26.2	17.9	16.5-20.0	B	A	Darkened, breccia
Y000673	H4	19.7	19.0	17.3-19.9	16.9	15.1-21.9	B/C	A	
Y000674	H4	10.36	19.2	16.7-23.8	17.0	15.2-19.5	B/C	A	
Y000675	H, melt br	9.137	19.9	18.2-24.0	18.0	16.1-20.2	C	A	Melt breccia
Y000676	H4	6.44	19.5	18.4-21.1	17.3	15.6-20.3	B/C	A	
Y000677	H4	31.91	19.1	18.1-21.4	16.8	14.4-18.8	B/C	A	
Y000678	H5	11.44	19.5	17.4-22.5	17.0	16.0-18.3	B/C	A	
Y000679	H6	7.05	19.2	17.8-20.6	17.2	16.2-18.7	B/C	A	
Y000683	Dio, br	14.69			33.5	31.9-34.7		A	Type B
Y000684	H4	5.61	19.9	16.9-23.1	16.0	9.1-19.8	B	A	
Y000685	H5	13.15	19.4	18.3-22.8	17.0	15.5-19.6	B/C	A	
Y000687	H5	16.1	19.8	18.2-22.6	17.4	15.1-20.9	B	A	
Y000688	Dio, br	19.470			32.8	30.0-35.7		A	Type B
Y000689	Dio, br	18.8			32.8	30.6-34.6		A	Type B
Y000690	Dio, br	16.9			33.2	30.9-35.9		A	Type B
Y000691	Dio, br	33.88			33.4	30.1-35.4		A	Type B
Y000693	L6	18.120	25.9	23.9-28.4	21.9	20.5-24.7	B	A	Shock vein
Y000694	L6	11.44	25.9	24.7-27.0	22.1	20.7-26.0	B	A	Shock vein
Y000695	L6	20.5	25.3	24.1-28.6	21.6	20.8-23.6	A/B	A	Shock vein
Y000696	Dio, br	20.09			32.8	28.5-35.6		A	Type B
Y000697	Dio, br	25.78			34.4	31.0-43.4		A	Type B
Y000698	L6	19.21	25.7	24.0-29.0	21.5	20.0-22.6	C	A	Shock vein
Y000699	L6	69.74	25.6	22.1-28.3	21.4	19.9-23.0	A	A	
Y000700	Dio, br	56.57			33.4	31.2-36.7		A	Type B
Y000701	L6	21.92	25.8	24.0-28.0	21.8	20.4-25.6	B/C	A	Shock vein
Y000702	L4	5.94	25.7	23.8-29.3	22.4	18.4-25.0	A/B	A	
Y000704	Dio, br	32.900			32.6	30.3-34.2		A	Type B
Y000705	How	8.665	23.5	15.1-29.4	28.5	12.7-62.6		A	
Y000706	How	69.40	12.5		32.0	16.2-65.0		A/B	
Y000707	L6	44.1	25.8	24.3-28.8	21.7	20.6-23.4	A/B	A	
Y000708	H4	103.20	18.2	17.2-20.2	16.7	11.0-25.1	B/C	A/B	
Y000711	H6	88.75	19.0	18.3-20.0	16.6	15.7-17.2	C	A	
Y000712	H5	7.689	20.4	18.0-24.0	17.9	16.1-19.9	B/C	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000713	L5	9.2	25.9	24.7-28.8	22.1	20.8-25.6	A	A	Shock vein
Y000714	H5	5.09	19.3	18.5-20.6	17.3	16.0-19.1	B/C	A	Shock vein
Y000715	H5	9.336	19.5	18.4-22.0	17.3	16.2-22.2	B	A	
Y000716	H5	11.210	19.4	18.4-22.4	17.1	15.8-19.5	B	A	
Y000717	H5	10.040	19.2	17.8-20.6	17.5	15.9-20.8	B/C	A	
Y000718	How	27.53	14.1	12.2-15.8	28.9	12.3-59.5		A	
Y000719	H5	57.81	17.9	17.0-21.0	16.6	14.3-19.0	B/C	A	
Y000720	H5	50.13	17.9	16.7-19.2	16.0	14.8-20.2	B	A	
Y000723	H4	39.41	18.9	18.1-19.5	16.8	15.2-19.2	B/C	A	
Y000724	L6	32.200	25.8	25.0-28.1	21.8	20.4-25.4	B	A	Shock vein
Y000725	H, melt br	6.86	20.0	17.7-24.8	17.7	15.0-21.7	B	A	Melt breccia
Y000726	H5	6.39	19.8	19.0-21.7	17.4	16.0-18.4	C	A	
Y000727	H, melt br	10.110	20.0	17.6-24.5	17.9	16.0-20.6	B/C	A	Melt breccia
Y000728	H4	11.21	20.0	17.6-24.1	17.8	14.8-22.7	A/B	A	
Y000729	H5	6.85	19.6	17.8-21.7	17.5	16.0-22.0	B/C	A	Shock vein
Y000732	L6	86.8	25.9	25.0-29.1	21.5	20.9-22.2	B	A/B	Shock vein
Y000733	H6	6.5	18.9	18.3-19.5	16.8	16.2-17.5	C	A	
Y000734	L6	79.63	25.9	25.0-27.1	21.7	19.7-23.8	B/C	A	Shock vein
Y000735	H, melt br	52.640	20.0	18.2-23.9	16.4	15.4-17.4	B	A	Melt breccia
Y000736	H3	11.77	19.2	16.9-22.6	17.6	16.0-21.9	B	A	
Y000737	H5	11.78	19.9	18.8-23.7	18.5	17.0-21.1	B	A	
Y000738	L6	46.11	25.3	24.2-26.2	21.4	19.7-23.9	A/B	B	
Y000740	LL, br	7.26	29.4	28.5-31.9	24.7	22.5-27.1	A/B	A	Breccia
Y000742	L6	5.46	26.2	23.7-28.6	22.0	20.9	B/C	A	Shock vein
Y000744	L6, melt br	102.80	25.0	23.4-26.5	21.5	19.7-24.4	A/B	A	Maskelynite
Y000745	H, melt br	7.71	19.9	18.5-22.8	17.2	15.9-19.8	B/C	A	Melt breccia
Y000746	H/L4-5, br	11.75	20.3	12.9-31.3	14.6	2.8-24.2	B/C	A	Darkened, breccia
Y000748	L5	12.53	25.7	24.0-27.9	21.5	20.1-24.8	A	A	
Y000751	H5	12.24	19.5	18.1-22.0	17.6	16.2-22.7	B/C	A	
Y000752	H5	37.39	19.4	18.6-20.3	17.9	16.2-21.2	B	A	Shock vein
Y000753	H5	90.55	19.3	18.3-22.2	17.3	16.5-18.7	A/B	A	
Y000754	H6	62.9	20.2	18.4-25.6	17.7	16.7-20.0	B	B	
Y000755	H5	123.70	19.2	18.2-22.3	16.8	15.8-19.3	B/C	A/B	
Y000756	H5	559.5	19.2	15.3-21.6	16.8	15.6-18.3	B	B	
Y000757	H5	51.35	19.1	18.2-20.3	16.9	15.5-18.5	B/C	A/B	
Y000760	H5	9.46	19.5	18.6-23.4	17.7	15.3-22.1	B	A	
Y000762	H5	53.19	19.2	18.1-21.0	16.7	15.7-18.4	B/C	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000765	H6	15.93	19.7	15.6-22.7	17.8	16.5-19.6	A/B	A	
Y000766	H5	32.87	19.6	18.0-24.7	17.4	16.2-23.2	B	B	
Y000767	H5	11.04	20.0	17.6-23.3	18.0	15.2-22.8	B	A	
Y000771	H5	12.89	19.7	18.1-22.5	17.5	16.6-20.7	B	A	
Y000773	H5	14.61	20.0	16.3-23.2	17.0	2.5-22.2	B	A/B	
Y000774	H5	19.34	19.3	17.9-21.4	16.8	15.2-19.9	B	A	
Y000775	L6	106.600	25.8	24.5-28.8	21.4	20.7-23.2	B/C	A/B	Maskelynite
Y000776	H5	5.401	19.1	17.2-21.9	16.8	15.8-18.1	B	A	
Y000777	H4	165.900	20.6	19.1-22.1	17.3	11.7-23.9	B	B	
Y000779	H5	185.80	19.6	18.3-22.4	16.8	11.3-19.8	B	B	
Y000780	H5	45.120	19.8	17.8-23.9	17.6	16.3-22.1	B	B	
Y000781	H4	5.6	19.5	18.4-22.5	17.4	15.9-20.9	B	A	
Y000782	H/L4	27.690	21.0	19.7-24.3	18.5	11.3-29.0	B/C	A	
Y000783	H5	108.000	19.0	16.9-22.4	16.3	10.7-18.9	B/C	A/B	
Y000784	H4	24.14	20.8	17.0-23.8	16.5	6.2-22.2	B	A	
Y000785	H4-6, br	43.13	19.2	17.5-20.4	17.2	14.8-21.4	B	A	Genomict
Y000786	H5	15.05	19.9	18.6-23.1	16.9	15.7-19.5	B	A	
Y000787	H5	18.06	19.3	17.1-25.9	17.1	16.2-19.6	B/C	A	
Y000789	L6	21.520	25.4	24.3-27.3	21.1	19.9-22.7	B	A	Shock vein
Y000790	LL6	10.57	26.1	24.9-28.6	22.2	21.3-24.4	B	A	Shock vein
Y000792	L6	11.58	25.5	24.4-27.0	21.9	20.8-24.2	A/B	A	
Y000793	Dio, br	6.28			32.4	30.7-34.8		A	Type B
Y000794	H6	5.11	19.0	17.8-20.1	16.9	15.9-19.0	B/C	A	
Y000796	L6	10.930	25.4	24.2-27.4	21.6	19.6-28.0	B	A	Shock vein
Y000797	H4	349.00	18.3	17.0-21.0	15.9	12.2-18.4	B/C	A/B	
Y000799	Dio	10.60			35.0	32.2-38.5		A	Type B, An70.5-88.4
Y000803	L6	11.72	25.9	25.0-28.5	21.7	20.8-23.9	A/B	A	Shock vein, maskelynite
Y000804	L6	5.79	25.7	24.6-28.7	21.2	18.8-23.5	A/B	A	Maskelynite
Y000805	Euc	155.400			59.6	57.6-62.7		A	Unbrecciated, An72.3-87.1
Y000807	H6	13.70	18.8	17.9-22.8	16.6	15.5-17.6	C	A	
Y000808	H5	6.61	19.5	17.5-22.5	17.4	16.6-19.0	B	A	
Y000809	L6	9.76	25.9	25.0-28.8	21.8	20.1-25.2	B/C	A	Shock vein, maskelynite
Y000813	H6	7.915	18.9	17.5-22.0	16.6	15.1-17.9	B/C	A	
Y000814	L5	11.510	25.4	24.6-27.1	21.0	18.9-21.9	A/B	A	
Y000815	L5	14.330	25.9	24.5-28.7	21.3	20.5-21.9	B	A	
Y000816	L6	26.750	26.0	24.6-30.5	21.5	20.6-22.4	A/B	A	
Y000817	H5	51.560	18.6	18.1-19.9	16.2	14.3-17.1	B/C	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000818	H5	5.30	19.6	17.4-22.2	17.2	16.2-19.9	B	A	
Y000819	L6	24.370	25.7	24.3-28.7	21.7	20.7-24.8	B/C	A	Maskelynite
Y000821	Dio, br	61.75			32.9	31.3-35.4		A	Type B
Y000823	H5	8.92	19.0	17.5-20.2	17.0	13.5-22.6	B/C	A	
Y000824	L6	36.200	25.3	23.2-28.4	21.5	20.3-23.5	B/C	A/B	Shock vein, maskelynite
Y000825	H4	15.27	19.0	18.4-19.6	16.8	14.4-18.6	B/C	A	
Y000826	H4	149.500	19.2	18.0-22.6	17.2	16.0-21.3	B	A/B	
Y000827	L5	130.70	25.6	23.8-30.3	21.5	20.0-25.1	A/B	A/B	
Y000828	Dio, br	34.740			33.8	31.4-44.8		A	Type B
Y000829	H5	9.451	19.2	18.0-22.5	17.2	15.8-20.5	B/C	A	
Y000830	H, melt br	10.45	19.9	18.4-22.0	17.0	15.6-20.9	B	A	Melt breccia
Y000831	H5	17.19	19.3	18.5-22.3	16.9	16.1-17.4	B	A	
Y000833	Dio, br	34.850			32.4	28.9-35.6		A	Type B
Y000834	Dio, br	16.020			33.3	29.2-35.7		A	Type B
Y000835	Dio, br	37.15			33.7	32.3-35.9		A	Type B
Y000836	Dio, br	52.00			33.8	31.3-36.7		A	Type B
Y000837	Dio, br	32.17			33.2	31.0-34.9		A	Type B
Y000838	H4	37.30	19.4	18.1-21.4	17.1	16.0-17.8	B	A	
Y000839	H5	64.13	20.0	18.8-23.8	17.5	16.4-21.3	A/B	A	
Y000840	H5	63.03	19.3	17.7-21.2	17.2	15.9-19.7	B	A	
Y000841	H5	32.64	19.6	17.8-23.8	17.4	16.2-19.5	B	A	
Y000842	L6	10.38	25.6	23.7-28.0	21.7	20.0-24.6	A/B	A	Shock vein, maskelynite
Y000843	L6	134.000	25.6	24.2-28.6	22.5	21.0-26.8	A/B	B	Shock vein
Y000845	L6	14.7	25.7	24.4-29.2	21.4	20.0-24.5	B	A/B	
Y000847	H5	106.20	19.3	17.7-21.8	17.6	16.5-21.7	B	A	
Y000848	L6	34.41	25.3	24.4-26.6	21.2	20.3-22.0	A/B	A	
Y000849	H5	42.730	18.9	17.5-20.0	16.5	15.1-18.8	B/C	A	
Y000850	Euc, br	20.700			45.3	37.0-55.2		A	Breccia
Y000851	H4	14.490	19.0	18.0-21.3	16.5	15.5-17.1	B	A	
Y000852	H5	28.600	18.9	17.8-23.5	16.8	15.2-21.4	B/C	A	
Y000853	H5	25.020	19.5	17.6-22.1	16.7	16.0-18.0	B/C	A	
Y000854	H5	16.06	19.0	18.2-20.4	17.1	14.6-21.5	B	A	
Y000856	H5	20.970	18.9	17.0-20.3	17.3	14.7-20.5	B/C	A	
Y000857	Dio, br	69.53			32.8	29.0-35.4		A	Type B
Y000859	Dio, br	7.79			32.9	30.8-35.1		A	Type B
Y000862	H5	5.855	19.4	18.5-23.8	17.1	15.4-19.5	B/C	A	
Y000863	H, melt br	5.697	20.6	17.8-26.1	17.3	16.1-18.9	B	A	Melt breccia

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000864	H5	10.06	19.2	17.3-21.5	16.6	15.2-19.2	B	A	Shock vein
Y000865	H5, br	7.775	19.3	17.9-20.7	17.4	15.7-21.6	B/C	A	Breccia
Y000866	H5	134.800	19.3	18.4-20.8	17.1	15.4-21.3	A/B	A/B	Shock vein
Y000867	H5	9.59	20.3	18.7-26.1	18.1	16.1-23.6	B	A	
Y000868	Dio, br	6.21			33.0	31.3-35.3		A	Type B
Y000870	L6	13.09	25.5	24.5-26.6	21.5	20.3-23.2	B	A	Shock vein
Y000871	H4	47.00	17.9	17.1-18.9	16.2	15.3-20.0	C	A	
Y000872	H5	10.350	19.0	17.9-20.8	17.1	15.8-19.2	B	A	Shock vein
Y000874	Euc, br	46.65			38.7	29.8-43.8		A	Melt breccia
Y000877	L6	6.79	25.7	24.1-30.8	22.0	20.6-24.3	B	A	Shock vein
Y000878	H, br	69.160	18.6	17.6-19.5	16.2	15.5-16.8	C	A	Shock vein, breccia
Y000879	L6	59.76	25.3	23.7-26.8	21.0	19.2-22.2	B	A	Maskelynite
Y000880	Dio, br	13.90			33.6	28.4-42.4		A	Type B
Y000881	L6	23.8	25.9	24.4-29.1	21.2	20.3-22.0	B	A	Shock vein, maskelynite
Y000882	H3	8.531	17.5	16.4-18.4	14.7	10.3-16.9	B/C	A	
Y000883	H4	32.71	18.0	16.1-22.0	14.0	6.6-17.3	B/C	A/B	
Y000885	LL6	29.65	31.7	30.5-32.4	25.8	24.9-27.0	A	A	Shock vein
Y000886	L3	12.08	21.9	5.3-42.8	8.7	1.9-25.5	B/C	A	
Y000888	L6	17.700	25.5	23.6-27.8	21.5	20.2-25.7	B/C	A	Shock vein, maskelynite
Y000889	H4	8.66	19.3	17.7-22.5	16.9	15.9-17.6	B/C	A	
Y000890	L6	16.430	25.3	23.5-28.3	21.4	20.4-22.7	B	A	Shock vein, maskelynite
Y000891	L6	10.42	25.4	23.7-26.6	21.7	19.8-25.4	B	A	
Y000892	Dio, br	18.55			33.1	30.2-36.5		A	Type B
Y000893	L6	6.12	26.0	23.8-31.3	21.8	20.9-23.9	B	A	Shock vein
Y000894	L6	6.87	26.3	24.5-28.2	22.2	20.8-25.7	B	A	
Y000895	H5	6.50	19.6	18.4-22.5	17.2	14.1-18.9	B/C	A	
Y000896	H5	7.38	19.1	17.4-22.3	16.5	15.1-18.5	B/C	A	
Y000897	H5	9.53	18.7	17.6-20.2	16.6	14.9-18.3	C	A	Shock vein
Y000898	Dio, br	22.98			32.5	29.3-36.6		A	Type B
Y000899	H5	6.52	19.0	18.0-21.2	16.8	16.0-17.7	B/C	A	
Y000900	L6	18.24	25.3	24.4-27.9	21.1	20.4-21.9	B	A	Shock vein, maskelynite
Y000905	L6	16.950	25.6	24.7-27.4	22.1	20.1-23.8	B	A	Maskelynite
Y000906	H, melt br	5.953	19.9	17.6-22.8	17.4	15.4-19.7	C	A	Melt breccia
Y000907	H5	16.59	19.3	17.3-24.7	16.6	15.7-18.6	C	A	
Y000908	H4	7.364	19.2	18.4-21.0	17.2	16.1-22.7	B/C	A	Shock vein
Y000910	H5	14.85	18.9	18.2-20.7	17.2	15.7-20.6	B/C	A	
Y000911	H5	8.49	18.3	15.1-21.4	16.4	12.1-20.4	B/C	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000912	L6	8.37	25.5	24.2-27.2	21.3	20.5-24.4	B	A	Shock vein
Y000914	L6, melt br	23.330	25.6	24.6-28.5	21.6	20.5-24.1	A/B	A	
Y000918	H, br	12.08	19.9	18.4-22.4	17.3	15.8-19.7	B	A	Melt breccia
Y000920	H4	7.44	19.1	17.9-22.5	17.2	16.2-20.9	B	A	
Y000922	H5	6.79	19.2	18.0-20.4	16.8	15.9-19.2	B	A	
Y000925	L6	22.310	25.8	24.6-29.5	21.9	20.2-24.9	B/C	A/B	Shock vein
Y000926	Dio, br	16.280			34.4	28.9-44.7		A	Type B
Y000927	H5	19.490	18.9	18.0-20.2	16.8	15.7-20.2	B/C	A	
Y000928	Dio	18.790			32.2	30.1-33.5		A/B	
Y000929	H5	18.690	19.2	18.0-21.5	16.8	15.3-18.5	B/C	A/B	Shock vein
Y000932	L6	12.530	25.5	23.4-27.6	21.4	19.8-22.7	B	A	
Y000933	H5	45.4	18.8	17.9-19.9	16.5	15.7-19.0	B	A	
Y000934	H4/5	27.510	18.8	17.3-19.8	16.1	5.7-19.5	B/C	A/B	
Y000935	L6	7.158	25.6	24.3-29.0	21.3	20.3-21.9	B	A	Shock vein
Y000936	How	114.800	15.1	14.5-15.7	25.7	17.0-56.1		A/B	An84.8-95.2
Y000937	How	49.23	14.9	14.9-14.9	28.6	16.9-30.9		A/B	An81.0-93.5
Y000938	H5	10.0	19.3	18.0-23.0	17.3	15.7-20.2	B	A	
Y000939	H4-6, br	5.82	19.7	17.7-23.9	16.6	10.8-20.1	C	A	Genomict
Y000941	H5	7.149	19.2	18.3-21.8	16.7	15.6-20.5	B	A	
Y000942	H6	5.80	19.4	17.4-20.6	17.0	15.5-17.9	A/B	A	
Y000944	H5	9.379	19.3	17.7-24.0	16.6	15.4-18.2	B/C	A	Shock vein
Y000945	H, melt br	8.51	20.0	18.6-22.4	17.5	15.7-21.8	B	A	Melt breccia
Y000946	H5	15.0	18.8	18.1-19.8	16.9	15.1-19.5	B/C	A	
Y000948	H4	9.734	18.7	17.2-19.3	16.2	15.5-17.9	B	A	
Y000949	Euc, br	12.91			43.4	36.1-50.3		A	Melt breccia
Y000950	H, melt br	21.150	19.3	17.2-21.9	16.8	15.9-18.9	B/C	A/B	Melt breccia
Y000952	How	7.593			48.2	26.9-97.5		A	
Y000953	H5	9.990	19.7	18.7-23.1	17.5	15.8-21.4	B	A	
Y000954	H5	14.810	19.1	18.2-21.7	16.8	15.0-19.7	C	A	
Y000955	H5	6.53	19.3	18.3-22.4	17.1	16.2-21.0	C	A	
Y000962	Dio, br	9.19			33.0	30.4-36.3		A	Type B
Y000963	H5	12.40	19.4	17.8-22.3	16.9	15.2-19.1	B/C	A	
Y000966	H5	10.600	19.4	18.4-21.8	17.7	16.0-20.4	B	A	
Y000967	H5	13.770	19.0	18.0-21.0	17.5	16.1-20.0	B	A	
Y000968	H4, br	12.37	20.8	18.1-26.2	18.2	16.8-20.9	B	A	Breccia, igneous clast
Y000969	H4	6.19	18.8	17.6-20.8	17.8	15.8-21.8	C	A	
Y000970	H4	14.740	19.6	17.9-22.0	16.9	15.6-19.4	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y000971	H4	11.61	19.5	17.8-22.6	17.5	15.4-21.5	C	A	
Y000972	Dio, br	7.79			33.6	30.8-36.2		A	Type B
Y000973	L5	10.38	25.7	24.7-27.6	22.3	20.7-24.9	B	A	Shock vein
Y000974	H4	20.69	19.1	17.9-20.9	17.2	16.0-21.5	C	A	
Y000977	L5	115.700	25.5	24.7-26.1	21.6	21.0-22.3	A	A	
Y000978	L5	9.27	25.5	24.5-26.8	21.4	20.0-22.3	A	A	
Y000979	L5	24.86	25.7	24.7-26.8	21.4	20.7-22.8	A	A/B	
Y000987	H4	22.000	20.1	17.6-22.4	17.6	10.3-21.2	B	A	
Y000989	H4, br	11.820	20.0	18.3-22.3	17.7	16.2-20.6	B	A	Breccia, igneous clast
Y000990	H5	5.048	19.7	18.1-23.0	16.7	15.1-18.3	B	A	
Y000991	Dio, br	14.930			33.0	30.2-37.0		A	Type B
Y000992	H5	7.611	19.2	17.6-22.0	16.8	15.9-18.9	B	A	
Y000993	L6	15.340	25.3	24.0-26.6	21.5	20.4-25.7	B	A	Shock vein
Y000994	Euc	19.870			40.9	37.5-42.8		A	
Y000996	L6	41.12	25.5	24.1-27.3	22.5	20.1-30.3	B	A	Shock vein, maskelynite
Y000997	Euc	16.110			36.0	28.3-56.1		A	
Y000998	H4, br	23.56	19.7	18.2-23.9	17.5	15.6-22.5	B	A	Breccia, igneous clast, darkened
Y000999	L6	10.440	25.2	24.2-26.6	22.0	20.6-25.3	A	A	Shock vein
Y001000	H4	21.75	19.2	18.0-21.5	17.2	15.8-23.6	B	A	
Y001001	H4	23.530	19.3	18.4-20.7	17.5	15.2-19.9	B	A/B	
Y001002	L5	47.81	26.0	25.0-27.4	22.1	20.7-23.5	A	A/B	Shock vein
Y001003	H4	12.54	19.7	18.1-25.1	17.0	15.5-19.8	B	A	
Y001004	H4	7.949	19.1	18.4-20.0	16.7	15.7-18.8	B	A	
Y001006	H4, br	5.928	19.5	18.3-22.3	17.3	14.9-19.8	B	A	Breccia, igneous clast
Y001008	H4, br	12.020	20.8	18.8-23.0	17.7	15.9-19.9	B	A	Breccia, igneous clast
Y001009	H4	6.222	19.5	18.1-21.1	17.3	15.9-23.1	C	A	
Y001010	L5	17.390	25.9	24.0-28.7	22.2	21.1-27.4	B	A	
Y001011	Dio, br	10.4			33.2	30.0-37.3		A	Type B
Y001012	H4	14.860	19.3	18.5-22.1	17.6	16.3-22.2	B	A	
Y001013	H4	8.444	19.0	17.5-20.8	16.9	15.3-21.5	B	A	
Y001014	H4	10.37	19.6	18.1-25.3	17.0	15.4-21.0	B	A	
Y001016	H3	17.170	18.2	8.0-27.3	16.0	4.7-21.0	B	A	
Y001018	L6	10.81	25.4	23.6-28.2	21.6	20.5-23.3	B	A	Shock vein, maskelynite
Y001019	L5	7.48	25.6	24.7-27.4	21.7	20.6-25.2	B	A	Shock vein
Y001020	H4-5, br	9.54	18.2	17.2-18.9	16.5	15.1-19.0	C	A/B	Genomict
Y001021	L5	5.189	25.5	23.7-27.3	21.9	20.3-25.8	B	A	
Y001024	H3	9.14	19.9	17.8-31.4	16.5	7.9-25.0	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001025	L5	6.31	25.5	24.0-28.7	21.5	20.1-27.2	B	A	
Y001026	L5	6.041	25.7	24.4-30.6	21.3	20.3-23.1	B	A	Shock vein
Y001030	H4	353.40	19.6	18.7-22.7	17.0	16.4-17.7	C	A	
Y001031	H4	9.12	17.9	16.9-20.8	16.2	14.3-20.7	B	A	
Y001032	L, melt br	7.381	24.9	23.4-26.2	20.7	19.1-21.3	C	A	Melt breccia
Y001033	H4	9.30	18.8	17.8-19.8	16.6	15.5-18.3	B	A	
Y001034	H5	30.27	19.5	18.0-22.2	17.0	16.3-18.1	C	A	
Y001035	H3	302.400	18.5	17.4-20.7	15.8	10.0-19.8	B	A/B	
Y001036	H3	23.08	18.4	16.7-19.8	16.7	12.7-33.9	B	A	
Y001037	Dio, br	5.798			32.5	30.8-35.7		A	Type B
Y001038	H4	10.640	19.2	18.5-19.7	17.1	15.6-20.2	B	A	
Y001040	H5	5.07	19.4	17.9-22.7	17.4	16.6-18.9	B	A	
Y001041	L3	48.72	12.6	0.6-27.7	12.1	2.1-27.4	C	A	
Y001045	H4	536.300	19.5	18.6-20.0	17.1	16.1-18.1	A	A/B	
Y001048	L6	6.4	25.2	24.1-27.4	21.6	19.6-26.5	B	A	Shock vein
Y001050	H4	10.6	17.8	16.0-21.5	16.1	15.1-19.5	B	A	
Y001053	H4	5.14	19.8	18.2-21.2	16.4	15.7-17.4	C	A	darkened
Y001055	L6	5.11	25.6	24.1-28.3	21.7	20.3-25.3	B	A	
Y001056	H4	7.03	18.7	18.0-20.1	17.2	15.6-19.0	B	A	
Y001058	H4, br	8.28	18.9	17.3-22.8	16.8	15.6-19.2	B	A	Breccia, igneous clast, darkened
Y001059	H4	26.450	18.1	16.8-19.7	16.0	15.0-17.7	B	A	
Y001060	H4	37.540	18.5	17.4-21.1	16.7	14.3-19.8	B	A	
Y001061	H5	13.27	19.0	9.0-22.5	17.0	15.6-19.2	B	A	
Y001062	L6	6.37	26.0	25.1-28.6	21.6	20.6-23.2	A	A/B	Shock vein, maskelynite
Y001067	H6	6.06	18.5	17.7-21.1	16.0	14.8-17.0	C	A	Maskelynite
Y001069	H4	63.010	18.4	16.9-19.7	16.7	15.5-19.0	B	A	
Y001070	L5	11.250	25.3	23.9-28.4	20.9	20.1-22.1	A	A/B	
Y001071	L6	8.68	25.4	23.9-29.1	21.5	20.7-23.5	B	A	Maskelynite
Y001072	H6	23.78	19.3	18.0-20.5	17.1	16.3-18.5	B/C	A/B	
Y001073	L6	21.8	25.3	24.1-27.2	21.8	20.0-23.8	B	A	
Y001074	How	51.99	21.8	13.5-30.0	28.1	10.8-63.0		A/B	An90.5-94.3
Y001075	H3	13.640	16.9	0.9-21.7	14.6	6.2-16.2	C	A	
Y001077	H4	8.65	19.2	18.3-23.1	17.2	15.0-20.4	B	A	
Y001079	L6	10.95	25.4	24.0-26.6	21.7	20.1-26.0	B	A	
Y001081	L6	74.25	25.2	23.5-27.1	21.7	20.6-23.5	B	A	
Y001082	L5	7.45	25.9	24.5-30.2	21.6	20.2-23.1	B	A	
Y001083	L4	5.87	25.1	23.7-26.8	20.7	16.4-23.4	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001084	Euc	5.61			33.0	29.9-41.6		A	An83.8-85.5
Y001086	LL3	8.31	26.4	2.1-30.1	15.9	2.2-24.8	A	A	
Y001091	H4	5.947	19.1	18.0-20.2	16.8	14.7-20.0	B	A	
Y001092	H5	6.756	19.4	17.8-22.0	17.2	15.9-20.2	B	A	
Y001093	L5	7.3	25.9	24.1-27.8	22.1	20.7-24.3	B	A	Shock vein
Y001094	H3	10.61	18.1	17.3-18.7	15.5	6.0-24.4	C	A	
Y001095	H4	7.471	18.5	17.4-21.0	16.6	15.7-17.3	B	A	
Y001098	H6	14.42	19.9	18.6-21.3	17.3	16.3-19.1	B	A	
Y001107	H4	9.14	19.3	17.8-22.2	16.3	15.5-17.1	B	A	
Y001109	H4, br	46.62	19.7	18.5-21.5	17.0	15.8-19.0	B	A	Breccia, igneous clast
Y001110	H4, br	7.85	20.3	17.9-23.0	17.5	16.0-20.0	B	A	Breccia, igneous clast
Y001111	H5	22.64	19.5	18.2-22.1	16.7	15.4-18.4	B	A	
Y001113	L6	11.460	25.7	23.5-30.6	21.4	18.6-25.0	B	A	Maskelynite
Y001114	H4	5.058	19.6	17.7-22.6	16.8	11.4-20.6	C	A	
Y001115	L5	9.46	26.0	24.7-29.3	22.1	20.6-26.3	B	A	Shock vein
Y001116	Euc	8.77			63.0	62.4-65.0		A	Maskelynite
Y001118	H4, br	5.855	20.6	17.9-25.7	17.1	13.8-20.5	B	A	Breccia, igneous clast
Y001120	LL5	5.025	26.4	24.7-31.6	21.9	21.1-25.1	A	A	Shock vein
Y001121	L6	113.50	25.4	24.3-27.5	20.9	20.0-22.0	B	A	Shock vein, maskelynite
Y001124	LL5	8.46	26.2	24.6-31.2	22.0	19.3-27.5	B	A	Shock vein
Y001125	H5	5.03	18.8	17.6-21.1	16.8	15.7-18.6	C	A	
Y001127	L5	12.17	25.6	24.6-27.3	21.2	20.2-22.2	B	A	Shock vein
Y001128	H4	6.1	18.1	6.6-29.3	13.9	2.8-36.4	C	A	
Y001129	L6	27.0	25.8	24.5-32.6	22.3	20.8-24.6	B	A	Maskelynite
Y001132	H5	16.38	18.7	17.5-20.6	16.5	15.1-19.9	C	A	
Y001133	L6	11.60	25.7	24.0-29.5	21.5	20.8-23.5	B	A	Shock vein
Y001134	L6	6.52	25.7	24.8-28.3	22.1	20.8-26.4	B	A/B	
Y001135	L5	17.68	25.5	24.0-26.4	21.6	20.3-23.2	B	A	
Y001136	L5	33.79	25.2	23.9-26.5	21.8	20.8-23.0	B	A/B	Shock vein
Y001137	H4	6.13	19.6	17.9-22.3	17.1	15.8-18.5	B/C	A	
Y001138	L6	29.76	25.6	24.1-27.6	21.4	20.6-23.1	B	A	
Y001139	H4	21.330	18.5	16.8-19.2	16.4	15.2-18.5	C	A/B	
Y001140	L6	5.226	25.7	24.7-29.3	21.4	20.4-23.3	B	A	Shock vein
Y001141	H3	35.010	17.1	15.7-18.0	15.4	14.5-16.5	C	A	
Y001142	H4	66.48	18.7	17.9-20.3	16.5	16.1-17.4	C	A/B	
Y001144	L5	7.582	25.7	23.7-27.0	22.1	20.4-24.6	B	A	
Y001146	H4	11.040	18.8	17.2-21.0	16.4	15.5-18.5	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001148	H4	5.59	19.2	17.9-20.0	16.5	14.9-17.0	C	A	
Y001152	H4, br	6.513	19.7	17.8-23.2	16.9	15.2-19.0	C	A	Breccia
Y001153	H4	43.7	18.9	15.4-21.2	17.2	15.6-21.1	C	A/B	
Y001155	H6	34.60	19.2	17.9-21.5	16.8	16.3-17.4	C	A/B	
Y001160	H5	5.73	19.9	19.2-21.5	17.5	16.8-17.9	C	A	
Y001161	H4	512.60	18.7	17.8-19.4	16.5	14.6-20.8	B	A/B	
Y001162	H5	159.200	18.6	17.9-20.6	16.5	14.6-19.6	A/B	A	
Y001163	H5	72.88	18.5	17.6-19.2	16.2	14.8-17.9	B	A	
Y001164	H5	14.44	19.1	17.4-23.6	16.6	14.8-19.3	B/C	A	
Y001166	L6	13.23	25.3	23.5-29.0	21.0	19.7-22.5	A/B	A	
Y001168	L6	10.270	25.3	23.5-28.0	21.1	18.8-22.5	B	A	
Y001169	H5	5.325	18.8	17.9-19.7	16.8	15.8-18.0	B/C	A	
Y001170	H6	8.33	19.5	18.7-20.7	17.2	15.7-18.0	B/C	A	
Y001171	H4	72.740	18.0	16.8-20.7	15.5	14.6-16.5	B/C	A	
Y001172	H6	10.46	19.5	18.4-20.1	17.2	15.8-19.2	B	A/B	
Y001173	H6	24.2	19.6	19.2-20.6	17.5	16.2-20.9	B	A/B	
Y001174	H5	5.86	19.3	17.9-22.1	17.0	15.9-22.6	B/C	A	
Y001175	L6	8.182	25.8	24.3-27.8	22.4	20.7-27.6	B/C	A	Shock vein
Y001177	H4	35.69	18.5	16.7-19.8	16.5	15.5-18.8	B	A/B	
Y001178	L6	50.4	25.0	24.0-26.5	20.9	19.3-22.5	B	A	Shock vein, maskelynite
Y001179	L6	234.300	25.4	24.3-28.0	21.4	20.2-25.7	B/C	A	
Y001180	H5	31.050	18.5	17.6-21.2	16.8	15.3-21.6	B/C	A	
Y001181	L6	5.59	25.6	24.1-27.4	22.3	19.0-25.5	B	A	
Y001182	L6	15.420	25.2	24.0-27.1	20.9	19.5-21.9	B	A	
Y001183	H5	12.250	19.1	17.9-24.6	16.3	15.6-17.8	C	A/B	Shock vein
Y001184	Dio, br	14.56			33.1	29.8-38.4		A	Type B
Y001185	H4	96.480	18.1	17.0-20.4	15.7	14.6-17.4	B/C	B	
Y001186	H4	25.83	17.9	17.4-19.5	15.9	14.3-17.0	B	A	
Y001187	H4	88.48	18.2	17.2-21.7	16.1	14.2-20.1	B	A	
Y001188	H4	39.76	18.2	17.1-21.7	15.7	12.7-18.9	B	A	
Y001190	H5	6.334	19.3	18.5-21.6	17.1	16.1-18.7	B	A	
Y001192	H5	8.005	19.7	19.0-21.4	17.1	16.2-18.8	B/C	A	
Y001194	H6	328.00	18.9	17.9-20.6	16.5	14.9-17.9	B/C	B	Shock vein
Y001195	H5	19.880	20.0	17.9-21.3	17.7	15.2-25.2	B	A	
Y001196	H5	9.111	20.1	18.3-24.0	17.7	16.5-20.9	B	A	
Y001198	H5	16.280	18.6	17.6-20.8	16.4	14.4-18.8	A/B	A	
Y001199	H4	32.87	18.5	17.8-19.9	16.4	15.7-17.8	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001200	H6	23.39	19.5	17.6-22.5	16.8	15.9-17.6	B	A	
Y001201	L6	87.390	25.0	24.4-25.7	21.4	20.5-23.4	A/B	A	
Y001204	H4	68.79	19.7	18.5-20.3	17.7	16.4-20.6	B	A	
Y001208	H4	5.940	18.3	17.3-19.0	16.2	15.4-17.1	B/C	A	
Y001220	H5	5.349	19.4	17.8-21.4	17.2	16.2-20.4	B	A	
Y001225	H5	15.69	18.7	17.3-22.0	16.7	15.6-19.9	B	A/B	
Y001226	H6	11.95	19.4	18.6-20.5	17.0	15.6-18.1	B	A	
Y001227	Euc	8.40			34.2	29.5-41.7		A	An74.5-91.9
Y001229	LL6	7.833	26.2	23.4-30.7	22.7	20.7-26.5	A/B	A	
Y001230	L6	10.6	24.7	23.2-26.6	21.8	20.3-24.8	A/B	A	
Y001231	H5	45.07	18.6	17.6-20.2	16.7	14.6-22.2	B	A	
Y001234	L6	11.9	25.1	23.8-26.8	21.2	20.5-22.4	A/B	A	
Y001235	L6	43.95	25.0	23.9-26.8	21.2	20.0-23.7	A/B	A	
Y001236	L6	106.20	24.7	23.6-25.9	21.6	19.9-25.7	A/B	A	
Y001237	L6	377.400	25.4	23.3-29.1	21.7	20.4-25.4	A/B	A	
Y001238	L6	23.480	25.1	23.4-27.1	21.3	20.2-23.5	A	A/B	
Y001239	L6	35.78	25.2	24.0-26.7	21.0	20.2-22.1	A	A/B	
Y001240	L6	97.64	25.1	23.2-27.9	21.1	20.3-21.9	B	A/B	Shock vein
Y001241	Dio, br	60.22			32.1	26.8-40.3		A/B	Type B
Y001242	L4	10.530	24.7	23.6-26.7	20.9	20.0-23.5	B	A	
Y001243	H5	21.14	18.8	17.3-22.0	16.1	15.0-19.5	C	A	Shock vein
Y001246	L6	27.420	25.6	23.4-28.6	21.1	20.8-21.6	B	A	Shock vein
Y001248	Euc, poly	9.628			55.3	38.2-66.0		A	An85.0-92.1
Y001249	L6	5.44	25.8	24.6-28.8	21.8	19.8-24.7	A/B	A	
Y001251	H4	8.90	19.0	18.2-20.3	16.4	15.1-19.5	B	A	
Y001255	H5	20.27	18.3	16.5-22.5	15.7	8.2-19.9	B/C	A	
Y001256	LL6	5.26	26.3	24.9-32.9	21.6	19.9-24.2	B	A	Shock vein
Y001257	L5	7.463	25.9	24.5-28.1	21.5	19.3-23.5	B	A	
Y001259	L6	28.36	25.3	24.2-27.9	21.1	20.1-22.5	A/B	A	
Y001260	H3	6.41	19.7	15.1-26.9	15.7	4.2-18.9	B	A	
Y001261	L6	331.900	25.0	23.2-27.3	21.1	19.4-23.3	A/B	A/B	
Y001262	H5	53.08	18.9	17.3-20.1	16.4	15.2-17.5	C	A	
Y001263	L5	38.51	24.6	22.9-26.5	21.1	20.4-21.6	A	A	Shock vein
Y001264	H5/6, br	60.56	18.9	17.3-20.1	16.7	15.7-17.8	B/C	A	Breccia
Y001265	L6	5.161	25.9	24.3-28.2	21.6	19.0-24.4	A	A	
Y001266	H3	11.45	18.8	11.5-21.1	14.4	3.0-19.1	A/B	A	
Y001269	H5	37.040	18.6	17.1-20.2	16.4	14.4-19.2	B/C	A/B	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001271	L5	75.95	25.1	24.1-28.5	21.0	20.0-21.9	A	A	
Y001272	H5	7.80	19.2	17.8-20.8	17.1	16.0-20.5	B	A	
Y001273	H5	9.87	19.4	18.7-19.9	17.1	15.7-18.1	A/B	A	
Y001275	L6	73.490	25.3	24.4-26.4	21.1	20.0-23.8	A/B	A	
Y001276	L6	6.025	25.9	24.9-26.4	21.6	20.3-22.5	A	A	
Y001277	L6	10.08	25.3	24.0-27.6	21.0	20.3-21.6	A/B	A	
Y001278	H6	330.90	19.3	18.4-24.9	16.5	15.9-17.8	A/B	A	
Y001279	H6	52.47	16.9	15.2-18.2	14.7	13.8-15.7	B	A	
Y001280	L3	6.490	24.9	3.8-30.5	15.7	0.6-31.1	A	A	
Y001282	L4	16.880	24.7	23.4-27.4	21.0	19.6-23.5	A/B	A	
Y001283	L3	297.30	23.5	21.9-26.1	19.5	17.8-20.6	A	A/B	
Y001284	H5	8.50	20.0	19.1-22.2	17.6	15.9-20.3	B/C	A	
Y001285	H4	6.631	19.6	18.6-20.9	17.4	15.9-21.7	A	A	
Y001286	H5	20.110	19.1	17.6-20.8	16.9	14.9-20.1	A/B	A	
Y001287	L6	5.594	25.8	24.0-27.9	1.8-20.	24.8	A	A	Shock vein
Y001289	H5	6.823	19.1	18.0-21.6	16.7	16.0-17.4	B	A	
Y001290	H5	15.190	19.5	17.2-23.5	17.0	15.3-20.8	A/B	A	
Y001294	Dio	9.642			24.6	23.3-26.9		A	Type A
Y001295	L5	17.380	24.6	23.7-25.3	20.6	18.2-22.7	B	A	
Y001296	L5	40.97	24.2	22.7-26.1	20.6	18.0-23.1	B	A	
Y001299	H3	15.190	18.2	16.8-20.4	16.1	14.8-18.5	B	A	
Y001301	H4	5.272	19.6	18.0-23.4	17.4	16.1-20.0	A	A	
Y001302	H4	5.541	19.1	18.5-19.9	17.0	15.6-18.5	A	A	
Y001305	R4, br	12.940	39.4	37.8-41.5	28.6	27.2-30.0	A	A	Breccia
Y001308	H4	8.80	19.8	18.2-22.6	18.0	16.5-22.9	A/B	A/B	
Y001309	L4	6.053	26.0	25.1-27.6	21.5	20.8-22.2	A/B	A	
Y001310	H5	7.944	19.0	18.4-21.2	16.7	15.5-18.7	B	A	
Y001311	L4	36.62	25.0	23.7-26.8	20.4	18.9-21.3	A/B	A	
Y001312	H4	15.6	18.3	17.3-19.2	16.4	15.8-19.6	A/B	A	
Y001315	H5	6.453	19.1	18.0-21.3	16.5	15.4-17.5	B	A	
Y001318	H3	44.370	17.9	9.1-28.7	15.2	2.3-30.6	A/B	A	
Y001320	H5, br	6.53	19.1	17.7-21.4	17.3	16.1-21.5	B	A	Breccia
Y001332	Euc	6.60			62.5	60.4-63.5		A	An85.5-91.6
Y001333	L6	21.670	25.4	23.5-28.0	21.6	20.2-23.5	A/B	A	
Y001334	L6	32.42	25.3	23.5-28.2	21.9	19.8-23.6	A/B	A	
Y001335	L6	47.5	25.0	22.2-28.9	21.1	20.2-23.9	A/B	A	
Y001351	Euc	5.39			62.3	60.5-63.5		A	An87.6-91.7

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001352	H6	106.70	19.4	17.7-22.6	17.1	16.3-18.9	A/B	A	
Y001353	H6	17.71	19.5	18.0-21.3	16.9	15.6-18.6	A/B	A/B	
Y001354	H4	103.50	18.7	18.0-19.7	16.2	14.5-17.2	A	A	
Y001355	L6	98.81	25.0	24.2-25.8	21.1	20.2-23.7	A	B	
Y001366	Euc, poly	36.95			62.0	60.9-63.5		A/B	An86.9-88.5
Y001368	H5	6.067	19.7	18.6-21.3	17.1	16.0-17.9	A	A	
Y001379	H4	5.68	18.3	17.6-20.0	17.1	14.3-22.1	A/B	A	
Y001380	How	12.45			41.0	24.6-55.7	A	A/B	
Y001382	L3	46.04	23.4	21.8-25.2	19.3	15.0-20.7	B/C	A	
Y001383	L3	64.35	23.4	21.6-24.0	19.6	19.0-20.6	B/C	A	
Y001388	H4	6.89	19.2	18.1-20.9	17.2	15.9-20.3	A	A	
Y001389	L6	33.93	24.8	23.7-26.9	21.0	19.6-23.6	A	A	
Y001399	H4	5.32	17.3	15.8-18.1	15.5	14.6-16.0	B	A	
Y001405	H5	9.68	17.3	16.1-18.5	15.5	13.6-21.1	B	A	Darkened
Y001406	H5	30.740	19.1	18.1-21.0	16.5	15.2-17.3	B	A/B	Darkened
Y001409	H5	11.220	17.0	15.4-17.8	14.7	13.8-15.9	B	A/B	Darkened
Y001410	H5	11.84	17.2	16.4-19.4	15.0	13.5-18.2	B	A	Darkened
Y001415	H5	15.54	17.5	16.5-18.0	15.0	13.7-16.1	B	A	Darkened
Y001422	H5	5.11	17.0	14.6-18.6	15.4	14.2-20.9	B	A/B	Darkened
Y001430	H5	15.560	17.0	14.9-17.8	15.1	14.2-17.3	B	A/B	Darkened
Y001431	H5	13.36	17.2	16.3-17.7	15.0	14.1-16.1	B	A	Darkened
Y001434	H5	6.402	17.4	16.0-18.8	15.8	14.6-18.4	B	A/B	Darkened
Y001440	H5	14.55	17.1	15.9-18.0	15.0	13.0-17.0	B	A/B	Darkened
Y001441	H5	67.240	17.1	16.1-18.2	14.8	13.6-17.0	B	B	Darkened
Y001450	H5	33.930	17.0	15.0-18.1	15.1	14.1-16.1	C	A/B	Darkened
Y001453	H5	6.07	19.4	18.3-26.5	16.8	15.6-18.4	B	A	
Y001456	H5	13.06	18.7	17.1-19.8	16.9	16.0-19.9	B	A/B	
Y001458	H5	8.01	17.5	16.5-18.2	15.1	13.8-16.7	B	A/B	Darkened
Y001459	H5	61.70	17.2	15.1-19.4	15.1	13.5-16.4	B	B	Darkened
Y001461	H4	12.58	18.7	17.8-21.5	16.7	15.3-20.0	C	A	
Y001468	H3	52.66	19.5	6.5-28.6	15.5	8.3-24.9	B	A	
Y001470	H5	7.53	17.5	16.2-19.6	15.8	14.9-18.8	C	A/B	Darkened
Y001471	H5	6.53	19.9	18.5-24.4	17.5	16.9-19.7	C	A/B	
Y001472	H5	16.01	19.5	17.9-20.8	17.3	16.2-21.9	C	A	
Y001476	H4	16.77	19.0	17.4-22.0	16.7	15.1-18.5	B	A	
Y001481	H4	19.5	17.9	17.0-18.7	15.7	14.7-16.3	C	A	
Y001487	H4	6.23	18.9	17.9-20.3	16.9	15.8-20.4	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001488	L6	8.435	25.9	24.4-30.8	22.3	20.6	B	A	Shock vein, maskelynite
Y001489	H5	19.63	19.8	18.6-21.8	16.9	15.6-18.0	C	A	
Y001490	H5	14.20	16.8	15.8-17.8	15.1	13.8-18.8	B	A	Darkened
Y001502	H5	8.774	17.3	16.3-17.9	15.5	14.2-17.6	B	A	Darkened
Y001509	H5	6.67	19.9	18.4-22.8	17.4	16.1-19.7	C	A	
Y001510	H5	5.99	19.2	18.3-20.7	17.6	15.8-21.4	B	A	
Y001511	H5	9.652	19.4	18.3-21.6	17.5	16.3-19.2	B	A	
Y001512	H5	9.437	19.3	18.5-21.3	17.0	15.5-20.7	B	A	
Y001513	H5	8.05	19.6	18.4-22.7	16.9	16.0-18.6	B	A	
Y001516	H5	5.64	20.3	19.4-23.0	17.5	16.7-18.4	C	A	
Y001517	H5	18.840	18.9	17.9-21.1	16.7	15.5-18.9	C	A/B	
Y001518	H5	7.73	20.2	19.5-20.3	17.7	16.0-19.5	B	A/B	
Y001538	H5	5.418	20.6	18.8-23.6	18.0	16.8-21.0	B	A	
Y001539	L5	5.12	26.0	24.7-29.7	21.7	20.1-22.8	B	A	
Y001540	H4	6.4	19.3	18.6-19.9	16.9	15.8-18.9	B	A	
Y001544	H4	10.6	17.8	16.3-18.8	15.6	14.1-16.5	C	A	
Y001545	H5	8.26	19.8	18.4-22.5	17.6	15.4-22.9	B	A	
Y001546	H5	5.260	19.7	18.1-23.8	17.2	15.1-18.3	B	A	
Y001548	H5	57.460	20.2	18.2-22.6	17.2	13.7-21.3	B	A/B	
Y001550	H4	542.00	18.0	16.8-20.7	15.9	15.0-17.5	A	A/B	
Y001551	H4	6.095	19.7	18.3-21.7	17.6	15.7-21.3	B	A	
Y001558	H5	6.019	17.5	16.6-19.0	15.3	13.7-20.2	B	A	Darkened
Y001576	H5	19.710	17.1	16.0-19.3	14.7	13.5-16.4	B	A/B	Darkened
Y001577	H5	14.120	17.1	16.1-18.1	14.9	12.9-17.6	B	A	Darkened
Y001578	H5	7.517	17.2	15.8-18.6	15.1	13.6-16.6	B	A	Darkened
Y001584	H5	22.30	17.1	15.9-17.7	15.0	14.2-16.1	B	B	Darkened
Y001585	H5	124.400	16.8	15.3-18.0	14.8	13.5-16.6	B	B	Darkened
Y001590	H5	27.630	16.7	15.8-18.1	14.7	12.7-18.0	B	A/B	Darkened
Y001593	H5	11.320	17.1	16.3-18.6	14.9	14.0-17.3	B	A/B	Darkened
Y001594	H6	21.650	19.4	18.3-20.5	16.8	14.8-19.0	B	A	
Y001595	H5	17.290	18.6	17.7-19.7	16.3	15.6-17.5	B	A	
Y001597	H4	11.770	18.7	17.9-19.6	16.5	14.2-18.2	B	A/B	
Y001600	L6	11.100	24.9	23.8-25.5	20.9	20.2-21.3	A	A	Darkened
Y001602	H5	5.217	19.7	18.6-21.5	17.6	15.9-20.1	B	A	
Y001603	H5	11.15	18.8	17.4-20.0	16.7	15.5-19.3	C	A	
Y001605	H5	39.55	19.9	18.0-21.7	17.0	14.5-24.9	C	A/B	
Y001644	H6	51.410	19.7	18.8-22.5	17.2	16.2-20.3	C	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001646	H5	19.110	16.8	15.7-18.3	15.0	12.4-19.6	B	A	Darkened
Y001647	H5	12.26	16.8	15.9-17.8	15.0	13.6-17.0	B	A/B	Darkened
Y001648	H5	13.01	17.2	15.9-18.9	14.9	13.7-16.1	A/B	A/B	Darkened
Y001656	H5	22.46	17.3	16.1-18.8	15.2	13.8-17.7	B	B	Darkened
Y001658	H5	55.37	17.0	14.7-18.4	14.9	14.1-16.3	B	A/B	Darkened
Y001666	H5	6.781	17.5	16.4-18.6	15.4	13.9-17.0	B	A	Darkened
Y001677	H5	6.19	18.8	17.4-19.8	16.6	15.7-18.1	C	A	
Y001678	H4	29.69	17.5	16.9-19.9	15.3	13.9-16.0	C	A	
Y001681	H4	10.100	17.3	16.4-18.3	15.6	13.3-18.9	C	A	
Y001682	H4	63.570	17.4	15.9-18.4	15.5	14.6-16.4	B/C	A	
Y001688	H4	8.35	19.1	18.0-19.8	15.9	9.9-17.2	B	A	
Y001692	H4	14.71	18.9	17.8-22.7	16.4	15.5-18.2	B	A	
Y001693	H4	8.15	19.1	18.5-22.2	17.1	16.1-18.4	B	A	
Y001694	H6	20.400	19.4	18.6-20.2	17.0	16.1-20.2	B	A	
Y001695	LL4	6.76	28.7	26.8-30.0	23.2	21.6-24.1	B	A	Darkened
Y001697	H6	6.20	19.8	19.0-21.4	17.5	16.3-20.9	B	A	
Y001699	H4	12.08	18.7	17.1-19.9	16.8	15.5-20.3	B	A	
Y001700	H6	20.490	19.3	17.6-20.8	17.1	16.6-19.3	B	A	
Y001702	H4	47.71	18.7	17.7-19.9	16.8	15.4-20.6	B	A	
Y001703	H4	19.75	18.7	17.9-21.3	16.5	15.1-18.4	B	A	
Y001704	H4	11.82	18.9	16.6-21.3	16.8	16.1-19.7	B	A	
Y001705	H4-6, br	26.77	19.5	18.0-22.1	16.9	14.8-17.9	B	A	Genomict
Y001706	H4-6, br	24.440	18.6	17.8-20.7	16.6	15.2-19.1	A	A	Genomict
Y001707	H4	16.23	18.7	17.2-20.4	16.3	14.9-17.7	B	A	
Y001708	H4	11.350	18.6	17.1-20.9	16.3	15.7-17.1	B	A	
Y001709	L6	11.250	25.3	23.0-28.9	21.0	19.5-22.4	A/B	A	
Y001711	H6	118.900	19.2	18.1-19.9	16.9	15.6-17.5	A	A	
Y001712	H4	11.780	18.1	17.3-20.4	15.9	14.6-18.0	B	A	Darkened
Y001714	H3	7.421	18.3	15.9-21.1	14.6	4.7-25.8	B	A	
Y001715	H6	19.390	19.3	18.3-21.3	17.0	15.7-18.7	B	A	
Y001716	L4	11.550	25.0	24.1-26.8	21.2	19.4-26.8	C	A	
Y001718	H4	5.640	19.0	18.0-21.3	16.7	15.5-19.4	B	A	
Y001720	H3, br	17.020	19.9	17.3-25.6	18.3	14.2-26.2	B	A	Breccia
Y001723	H4	10.450	19.3	17.8-22.8	18.0	15.3-21.2	A/B	A	
Y001724	H5	9.546	19.7	18.8-21.0	17.1	16.0-18.2	C	A	
Y001725	L6	8.406	25.1	23.1-28.4	21.4	19.8-23.4	B	A	Shock vein, maskelynite
Y001729	H4	67.630	18.2	17.2-19.7	15.8	15.2-16.9	B	A	

Table 1. *Continued.*

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y001739	L6	15.970	24.8	23.8-27.6	21.1	20.0-23.2	B	A	Shock vein, maskelynite
Y001742	H6	6.459	19.6	18.6-20.7	17.3	16.6-18.1	B	A	
Y001743	H4	35.080	18.5	17.7-19.5	16.2	14.4-18.2	B	A/B	
Y001744	H5	6.121	19.0	18.2-22.4	16.6	15.3-17.9	C	A/B	
Y001747	L3	78.960	25.0	21.1-27.3	19.8	13.3-30.5	A	A/B	
Y001748	H5	203.200	16.6	15.3-17.6	14.8	13.3-16.5	B	A/B	Darkened
Y001752	H5	443.700	17.1	15.7-18.5	14.9	13.6-16.8	B	B	Darkened
Y001754	H4	16.520	18.8	17.1-19.5	17.1	15.9-20.9	B	A	
Y001755	H5	5.370	17.5	16.4-20.8	15.7	14.8-19.0	B	A	Darkened
Y001757	H5	9.047	20.2	19.1-24.1	17.8	15.5-22.3	B	A/B	
Y001758	H5	13.750	19.2	17.8-23.6	17.1	15.4-19.7	A/B	A	
Y001759	L6	6.202	24.9	18.1-27.4	21.1	20.3-22.2	B	A	Shock vein, maskelynite
Y001760	L6	8.785	25.2	24.4-28.0	21.4	19.6-24.9	B	A	Shock vein, maskelynite, darkened
Y001761	L6	7.006	25.0	23.9-26.9	21.5	20.0-25.9	B	A	Shock vein, maskelynite, darkened
Y001774	H5	8.518	18.9	17.0-21.2	16.9	15.6-19.8	B	A	
Y001780	H4	5.484	18.1	16.6-19.1	17.3	15.2-39.8	B	A	
Y001785	H4	12.400	18.7	17.9-19.9	16.1	13.3-17.9	A/B	A	
Y001786	H4	5.492	19.6	18.5-22.2	17.2	15.6-22.0	B	A	
Y001789	H4	9.388	19.1	17.4-20.6	17.1	15.2-22.7	B	A	
Y001802	H4	8.235	19.0	18.2-19.7	16.8	15.6-19.4	B	A	
Y001803	H4	8.45	19.8	18.5-22.9	17.4	15.7-23.5	B	A	
Y001804	H4	8.939	19.4	18.4-21.8	17.4	14.9-23.6	B	A/B	
Y001826	H4	5.973	19.9	17.8-23.2	17.1	16.6-17.9	B	A/B	
Y001858	H4	8.369	19.5	18.9-20.8	17.0	15.7-19.6	B	A/B	Darkened
Y001862	H5	7.084	18.7	17.9-20.6	16.4	15.2-19.7	C	A	
Y001864	H4-5, br	11.160	19.2	17.3-22.2	17.1	14.3-20.0	C	A	Genomict
Y001872	H4	33.910	18.2	17.3-20.2	15.9	14.8-18.4	A/B	A	
Y001891	H4	5.045	19.7	18.7-22.2	17.0	15.9-19.4	B	A/B	
Y001901	H4	6.927	18.3	17.8-19.6	16.2	14.4-19.0	B	A	
Y001904	H5	14.670	18.6	17.0-19.4	16.6	15.8-18.1	A	B	
Y001906	H5	13.740	17.9	16.9-19.1	16.1	14.3-17.8	B	A	
Y001909	H6	22.140	19.3	18.5-20.3	17.0	15.4-19.0	C	A	
Y001913	H4	26.460	19.2	18.1-20.8	17.2	16.2-21.5	B	A	
Y001916	L5	7.588	25.7	22.9-29.1	21.5	20.4-22.8	B	A/B	
Y001917	H4	31.310	19.2	18.3-21.3	16.9	15.7-23.0	B	A	

Notes for Table 1

Class.

br: breccia; melt br; melt breccia; poly: polymict; ano: anomalous; “-“ (e.g., H5-6): genomict breccia; “/” (e.g., H5/6): transitional.

F: fracturing index:

A: No or a few narrow cracks are visible.

B: Several cracks extend across exterior surface.

C: Severe cracks.

W: weathering index:

A: Limonite haloes on metal particles and limonite veins are minor.

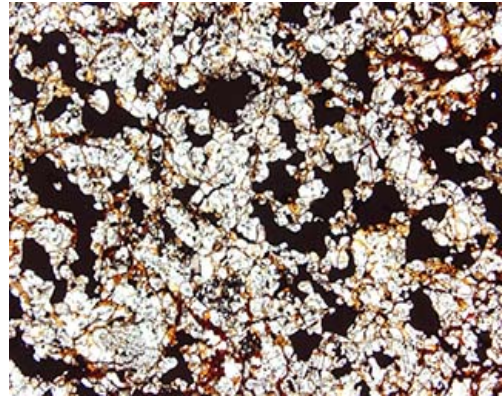
B: 7.5 to 35% of metal particles are weathered to limonite.

C: Most metal particles are weathered to limonite.

Figure 1. Descriptions and photomicrographs of selected meteorites.

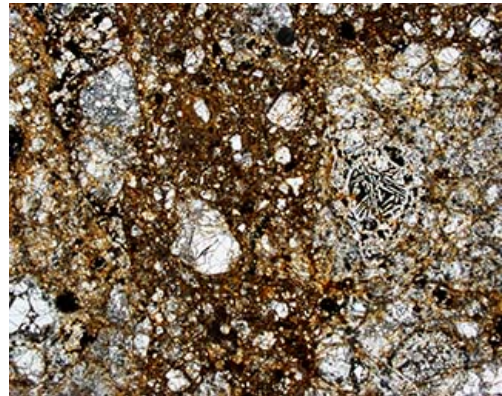
Y980764

The PTS is composed of granular olivine and pyroxene (50-200 μm in diameter), and irregular FeNi. FeS mainly occurs as fine (<50 μm) grains in or around silicate minerals. Compositions of olivine and pyroxene are Fa7.8-8.9 (average Fa8.4) and Fs8.7-11.1 (average Fs10.2). This meteorite is an acapulcoite. Width = 4.67 mm.



Y984084

The PTS is composed of lithic clasts up to ~6 mm. The lithic clasts are mostly type 5 materials. There are chondrules with devitrified mesostasis, indicative of type 4. Opaque minerals are magnetite and sulfide. Olivine compositions are Fa26.7-41.3 (average: Fa39.3). This meteorite is a genomict breccia of R chondrite (R4-5). Width = 4.67 mm.



Y000137

The PTS consists of ~80% silicate and ~30% FeNi metal. The silicate portion is composed of pyroxene fragments (up to ~0.3-2 mm) set in a recrystallized matrix of pyroxene and plagioclase. This rock is slightly shocked; pyroxene shows weak mottled extinction. Compositions of pyroxene range from Fs32.5-38.7 (average Fs34.9), and plagioclase from An87.6-89.3 (average = An88.9). This meteorite is a mesosiderite. Width = 4.67 mm.

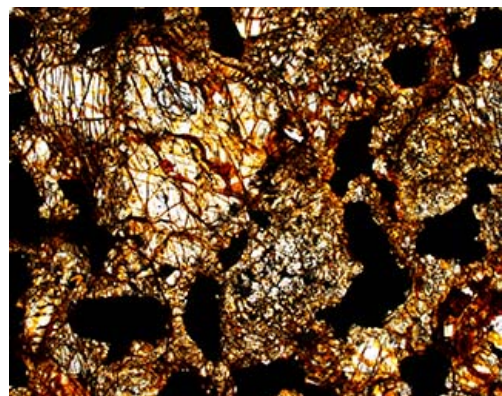
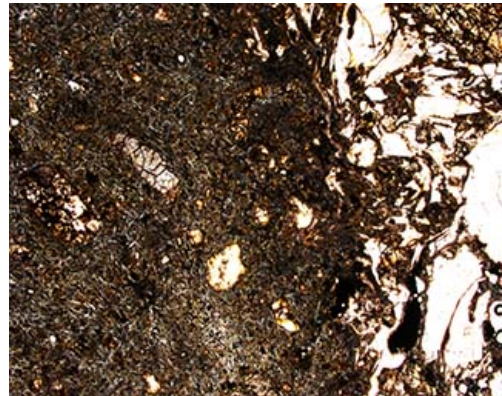


Figure 1. *Continued.*

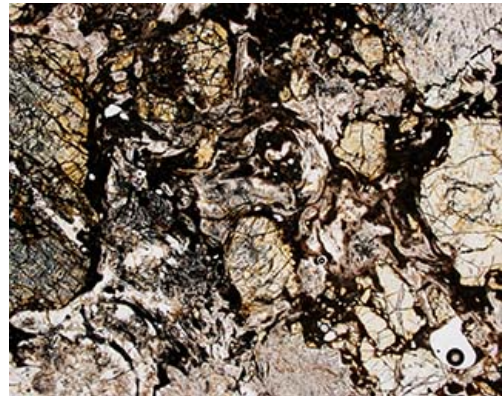
Y000138

The PTS is a melt breccia with a very fine-grained dark matrix. One fourth of PTS shows an aggregate of coarse-grained pyroxenes and deformed plagioclase. The melt matrix contains fragments of pyroxene and plagioclase, and minor FeNi-FeS. Pyroxene compositions of a few grains in the matrix range from Fs30.9-30.8. This meteorite is a melt breccia of eucrite. Width = 4.67 mm.



Y000668

The PTS is composed of fragments of large pyroxenes and plagioclases (aggregate) set in a dark schlieren matrix. Most pyroxenes show a mosaic extinction, and some are partly shock-recrystallized. Plagioclase is highly deformed, and shows a fan-spherulitic texture. Compositions of pyroxene are Fs31.3-38.5 (average: Fs34.7) and those of plagioclase are An85.9-91.5 (average: An89.0). This meteorite is a eucrite. Width = 4.67 mm.



NIPR Research Program for Antarctic Meteorites

Research project: _____

Date: _____ Period of the project (months): _____

Principal investigator

Name: _____ Signature _____

Affiliation & position:

Office address:

Phone: _____ ext. _____ FAX: _____

E-mail:

Coinvestigator(s)

Name(s):

Affiliation(s) & position(s):

Description of research plan and justification for sample request:

(continue)

	specimen name (e.g., Y-86032)	preferred weight (e.g., 0.25g)	minimum weight (e.g., 0.1g)	sampling instructions (e.g., interior)	sample form (e.g., chip(s))
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

received

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Tachikawa, Tokyo 190-8518, Japan, Phone (81) 42-512-0715, FAX (81) 42-528-3479, E-mail curator@nipr.ac.jp

No.

received