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**Akira Yamaguchi¹, Naoki Shirai², Makoto Kimura¹, Naoya Imae¹, Makiko Haba^{1,3},
Vinciane Debaille⁴, Ryoga Maeda^{4,5}, Steven Goderis⁵, Philippe Claeys⁵**

¹Antarctic Meteorite Research Center, National Institute of Polar Research, Tokyo 190-8518

² Department of Chemistry, Tokyo Metropolitan University, Hachioji, Tokyo 192-0397

³ Department of Earth and Planetary Sciences, Tokyo Institute of Technology, Ookayama,
Tokyo 152-8551

⁴Laboratoire G-Time (Géochimie: Tracage isotopique, minéralogique et élémentaire),
Université Libre de Bruxelles, Av. F.D. Roosevelt 50, 1050 Brussels, Belgium

⁵Analytical, Environmental, and Geo-Chemistry (AMGC), Vrije Universiteit Brussel,
Pleinlaan 2, B-1050 Brussels, Belgium

Introduction

This newsletter reports the classification of 821 meteorites collected from ice fields near the Yamato and Belgica Mountains by JARE-15, 20, 39, and 41 (Yamato 74, 79, 98, and 00, Belgica 98 meteorites) and from the Balchen and/or Nansen Ice Fields by JARE-29, 31, 51 and JARE-54/BELARE 2012-2013 (Asuka 87, 88, 90, 09, and 12 meteorites). JARE-51 and JARE-54/BELARE 2012-2013 were the Japan-Belgium joint expeditions. The meteorites include forty-nine carbonaceous chondrites (44 CM, 3 CV, 1 CK, 1 CH), thirty-six achondrites (16 eucrites, 15 diogenites, 1 mesosiderite, 4 ureilites), and twenty-one iron meteorites.

Classification

The classification was made with visual inspections of meteorites and petrographic observations of polished thin and thick sections as well as compositions of major minerals (olivine, pyroxene, and plagioclase) obtained by electron microprobes (JEOL JXA-8800 and 8200 at NIPR). Typical numbers of olivine analysis for equilibrated ordinary chondrites are ~10-20, and those of other meteorites are ~20-30. Bulk major and trace element compositions of iron meteorites were determined by laser ablation inductively coupled mass spectrometry. Table 1 presents the results of classifications of stony meteorites (groups, averages and ranges of olivine Fa and low-Ca pyroxene Fs, fracturing, and weathering degrees). Table 2 presents the classification and chemical compositions of iron meteorites.

Sample requests

Requests of Yamato, Belgica, and Asuka 87, 88, and 90 meteorites will be reviewed in a timely manner by the curator at NIPR and those of Asuka 09 and 12 meteorites by scientific members at NIPR, Royal Belgian Institute of Natural Sciences, Vrije Universiteit Brussel, and Université Libre de Bruxelles.

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Table 1. List of meteorites classified in this volume.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y-74057	H5	16.32	20	18.6-23.2	18.1	16.1-21.2	B	A/B	
Y-74059	H5	16.37	20.5	18.2-24.1	18.4	16.5-22.2	B	B	
Y-74423	H6	28.95	20.4	18.8-23.0	17.6	16.5-20.1	B	A/B	
Y-74503	H6	6.600	18.9	17.9-20.1	16.9	14.6-20.8	C	C	
Y-791432	L6	221.1	25.2	23.8-27.7	21.8	20.4-24.3	B	B	
Y-791565	H4	8.130	18.6	17.8-20.2	16.3	15.6-17.2	B	A	
Y-791576	L6	4.400	25.5	24.3-27.8	21.8	20.9-25.3	B	A/B	Shock vein
Y-791582	L6	3.260	25.8	25.4-26.8	21.3	20.1-21.9	A	A	
Y-791583	L6	6.690	25.5	24.6-26.3	21.4	20.5-23.4	A	A	
Y-791592	L6	1.330	25.7	25.0-27.2	21.4	20.3-22.5	A	A/B	
Y-791619	H5	4.010	20.1	19.1-22.1	17.2	16.7-18.1	B	A/B	
Y-791620	H6	5.860	20.2	19.0-22.8	17.5	16.0-20.3	C	A/B	
Y-791621	H5	2.440	19.5	18.7-20.8	17.2	16.4-20.1	B	A/B	
Y-791622	H5	1.910	19.5	18.3-20.4	17.1	16.4-17.5	B	A/B	
Y-791623	H5	1.730	19.3	18.4-20.4	17	16.6-17.6	B	A/B	
Y-791624	H5	1.070	19.8	18.2-23.1	17.5	16.1-18.4	B	A	
Y-791625	H6	1.400	19.4	18.7-20.0	17.2	16.3-19.5	B	A/B	Breccia
Y-791626	H5	1.320	19.5	18.7-20.4	16.9	16.1-17.7	B	A/B	
Y-791647	L4	4.620	25.1	24.3-28.4	21.8	20.9-23.2	A	A/B	
Y-791648	L5	5.480	24.8	23.5-26.2	21.1	19.8-23.3	B	A	
Y-791649	L5	2.320	24.9	23.7-26.8	21	20.1-21.6	A	A/B	
Y-791687	H4	6.820	19.6	18.4-22.3	17.3	16.2-18.9	B	A/B	
Y-791688	H5	5.670	19.4	18.7-20.7	16.9	16.2-17.4	B	A/B	
Y-791689	H5	2.680	19.9	18.7-23.8	17.6	16.5-20.7	B	A/B	
Y-791690	H5	2.260	19.5	18.7-20.8	17	9.8-18.9	B	A/B	
Y-791691	H5	1.060	19.3	18.6-21.6	17.3	16.5-20.2	B	A/B	
Y-791698	H5	1.300	19.2	18.3-19.9	17.2	16.1-18.3	C	A	
Y-791701	H5	1.030	19.4	18.7-22.4	17.5	16.6-20.6	B	A/B	
Y-791713	L5	2.790	24.9	24.0-26.7	21.3	20.4-22.7	B	A	
Y-791714	L4	3.590	25	24.1-26.9	21.4	20.7-22.7	A	A/B	
Y-791721	CV3	9.800	16.6	0.6-45.1	3.25	1.3-6.7	A	A/B	
Y-791722	CV3	8.950	9.7	0.4-48.4	2.83	0.5-8.0	A	A/B	
Y-791723	CV3	7.130	12.7	0.5-47.0	1.61	0.9-3.2	A	A/B	
Y-791738	H4	9.380	19.3	18.4-21.1	17	15.9-19.3	B	A/B	
Y-791742	H5	1.840	18.9	18.0-19.8	16.9	16.4-17.8	B	A/B	
Y-791756	L4	3.720	24.6	23.9-25.9	21	20.5-22.4	A	B	
Y-791757	L5	3.830	24.9	24.0-26.6	21.2	20.4-22.4	A	A/B	
Y-791758	L4	3.660	25.6	24.3-27.6	22.3	20.5-26.6	A	A/B	
Y-791759	L4	3.170	25.1	24.0-26.6	21.7	20.8-24.6	A	A/B	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y-791760	L4	3.800	25.3	24.3-26.5	22.2	20.8-24.2	A	B	
Y-791761	L4	3.810	25	23.8-27.2	21.3	19.7-23.4	A	A/B	
Y-791762	L4	4.060	25.3	24.4-26.7	21.9	20.4-27.4	A	A/B	
Y-791763	L5	1.910	24.8	23.9-25.6	21.3	19.9-24.6	A	A/B	
Y-791764	L4	1.590	24.8	23.5-26.1	21.7	20.2-24.8	A	A/B	
Y-791765	L5	1.330	24.8	24.2-25.8	21.4	20.1-22.8	A	A/B	
Y-791766	L5	1.290	25	23.8-26.5	21.9	20.5-23.2	A	A/B	
Y-791767	L5	1.310	24.8	24.2-27.9	21.5	20.2-24.4	A	A	
Y-791768	L5	1.250	24.9	24.3-25.6	21.5	20.2-25.6	A	A	
Y-791770	L5	1.580	25.1	24.1-27.0	21.1	20.0-23.2	A	A	
Y-791778	H5	7.740	18.5	18.0-19.0	16.3	14.9-17.1	B	A/B	
Y-791780	H5	2.980	18.8	18.4-19.7	16.7	16.0-17.4	B	A	
Y-791798	H4	3.780	19.5	18.5-21.5	17.5	16.6-21.3	B	A/B	
Y-791799	H5	1.080	19.7	18.9-21.5	17.8	16.6-19.9	B	A	
Y-791804	H5	9.320	19.3	18.0-22.8	17.8	16.0-21.6	B	A	
Y-791807	H6	2.930	19.6	19.0-21.2	17.1	16.4-17.7	A	A/B	
Y-791808	H6	3.110	18.9	18.1-20.9	16.6	15.7-17.7	C	A/B	
Y-791813	L6	1.630	24.7	23.8-26.5	20.6	19.9-22.0	B	A	
Y-791817	H5	3.680	19.6	18.6-22.0	17.6	15.7-20.7	A	A/B	Breccia
Y-791818	H6	1.320	18.8	18.0-19.2	16.3	14.5-17.2	A	A/B	Breccia
Y-791823	H6	8.720	18.6	17.6-20.8	16.9	15.2-21.5	A	C	
Y-791881	H5	6.810	18.3	17.4-20.0	16.2	15.8-16.6	A	A/B	
Y-791882	H4	6.650	18.1	17.1-19.7	16.5	15.4-18.7	A	A	
Y-791883	H5	5.180	18.3	17.6-20.6	16.4	15.5-19.4	B	A/B	
Y-791885	H4	4.820	18.3	17.5-20.0	17.4	16.2-19.1	B	A/B	
Y-791886	H4	4.090	18.5	17.1-20.4	17.1	15.7-19.6	B	A/B	
Y-791887	H4	4.980	18.4	17.5-21.2	16.3	15.1-19.3	A	A/B	
Y-791888	H4	3.550	18.5	16.9-22.7	16.8	15.7-19.2	B	A	
Y-791889	H4	3.680	18.5	17.5-21.8	16.6	15.4-21.5	B	B	
Y-791890	H5	3.320	18.7	17.4-21.8	16.5	15.5-19.5	B	A/B	
Y-791891	H4	4.140	18.3	17.3-19.7	16.7	15.4-20.6	B	A	
Y-791892	H4	3.550	18.6	17.6-20.3	17	15.5-21.1	B	A/B	
Y-791893	H4	3.550	18.6	17.2-21.2	16.9	16.0-19.6	B	A/B	
Y-791894	H5	2.690	17.7	17.1-18.2	15.8	15.3-16.1	B	A/B	
Y-791895	H6	2.430	19.1	17.1-20.2	16.1	14.7-17.6	A	A/B	
Y-791896	H5	2.330	17.7	17.3-18.4	16	15.3-16.9	B	A	
Y-791897	H4	3.260	18.4	17.5-20.6	16.4	15.8-17.4	B	A/B	
Y-791898	H5	2.040	17.6	16.5-18.7	16	14.6-16.9	B	A	
Y-791900	H5	2.200	17.9	17.2-18.6	16	15.6-16.7	B	A/B	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y-791901	H5	1.980	17.8	17.1-18.5	15.7	14.8-16.3	B	A	
Y-791903	H5	1.500	18.2	17.4-20.4	16.6	14.9-18.8	B	A	
Y-791904	H5	6.270	18.2	17.3-19.2	16.4	15.8-17.7	B	A/B	
Y-792130	H5	2.850	19.3	18.7-19.7	16.7	16.1-17.4	B	A/B	
Y-792203	H5	2.120	19.1	18.3-19.9	16.4	15.8-16.8	B	A/B	
Y-792207	H5	2.870	19.1	18.9-19.6	17	16.3-18.7	B	A/B	
Y-792209	H5	1.960	18.8	18.1-19.8	17.8	16.2-21.0	B	B	
Y-792210	H5	2.170	19	18.2-19.7	16.6	16.0-17.4	B	B	
Y-792211	H5	2.780	19.1	18.7-20.1	16.6	15.9-18.1	B	A	
Y-792212	H5	2.380	19.1	17.8-21.4	16.8	16.4-17.2	B	A/B	
Y-792213	H5	2.760	19	18.1-20.0	16.5	15.6-17.6	B	A/B	
Y-792214	H5	2.480	19	17.6-20.0	16.7	15.8-18.5	B	A/B	
Y-792215	H5	2.430	19.1	18.0-20.4	16.7	15.5-17.6	B	A/B	Metal nodule
Y-792217	H5	2.210	19.1	17.9-20.2	16.7	16.5-17.1	B	B	
Y-792218	H5	2.920	18.9	17.6-21.1	16.5	15.7-17.0	B	B	
Y-792219	H5	2.680	18.9	17.5-20.5	16.5	15.3-17.8	B	B	
Y-792220	H5	1.620	18.9	17.6-19.9	16.4	15.3-17.5	B	B	
Y-792221	H5	2.120	18.9	17.5-19.7	16.5	15.5-18.0	B	B	
Y-792222	H5	1.910	18.8	17.7-20.0	16.7	15.8-17.7	B	A/B	
Y-792223	H5	1.860	18.9	17.1-20.1	16.8	15.5-19.3	B	A/B	
Y-792224	H5	1.850	18.9	18.1-19.6	16.9	16.0-21.4	B	A/B	
Y-792225	H5	1.660	18.9	17.4-19.9	16.7	15.3-17.7	B	A/B	
Y-792227	H5	1.380	19.2	18.4-19.9	16.7	16.1-17.1	B	B	
Y-792229	H5	1.600	19.3	18.2-19.7	16.7	16.0-17.2	B	A/B	
Y-792230	H5	1.310	19.1	18.3-19.9	17.1	16.0-18.6	B	B	
Y-792235	H5	1.990	18.7	17.3-20.3	16.7	15.2-17.5	B	A	
Y-792237	H5	2.060	18.7	17.9-19.6	16.5	15.8-17.3	B	B	
Y-792238	H5	2.430	18.7	16.4-20.4	16.7	15.7-17.6	B	A/B	
Y-792244	H5	2.790	19	18.3-19.9	16.8	15.0-18.7	B	B	
Y-792245	H5	2.370	19.2	18.3-20.4	16.9	15.8-18.0	B	A/B	
Y-792246	H5	2.410	19.1	17.9-21.1	16.8	16.0-17.2	B	B	
Y-792247	H5	2.120	18.6	17.6-19.3	16.4	16.0-16.7	B	A/B	
Y-792248	H5	2.190	18.9	18.3-20.4	16.3	15.8-17.1	B	B	
Y-792249	H6	2.130	18.8	18.1-21.2	16.4	15.9-17.1	B	A	
Y-792250	H5	1.420	18.8	18.2-19.7	16.4	16.1-17.1	B	A/B	
Y-792251	H5	6.500	18.9	18.1-19.7	16.8	16.0-17.8	B	A/B	
Y-792252	H5	3.340	19.2	18.4-21.0	16.9	16.2-17.4	B	B	
Y-792256	H5	2.110	19.4	18.5-20.5	16.8	16.7-17.0	B	A/B	
Y-792257	H5	2.260	19.5	18.9-20.5	16.8	16.0-17.5	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y-792258	H6	2.360	18.9	17.2-20.2	17.1	16.3-18.8	B	A/B	
Y-792264	H5	2.240	19.7	17.9-21.7	17.2	15.0-19.0	B	A/B	
Y-792267	H5	2.830	19.7	18.7-24.6	17.1	15.3-18.5	B	A/B	
Y-792269	H5	2.880	19.4	17.9-22.0	17.0	15.6-17.9	B	A/B	
Y-792270	H5	2.570	19.7	18.6-21.4	16.9	16.0-18.3	B	A/B	
Y-792272	H5	2.140	19.5	18.3-21.6	17.3	16.5-18.0	B	A/B	
Y-792273	H5	2.800	19.4	18.2-20.9	17.1	16.0-19.6	B	B	
Y-792274	H5	2.800	18.9	18.1-19.5	16.7	16.0-17.2	B	B	
Y-792275	H5	1.970	18.8	18.4-19.3	16.5	16.1-16.7	B	A/B	
Y-792276	H5	2.140	18.8	17.6-19.4	16.1	15.7-16.6	B	A	
Y-792277	H5	2.630	19.1	18.4-19.7	16.8	15.0-18.8	B	A/B	
Y-792279	H5	1.930	18.8	18.3-19.3	16.5	16.1-16.9	B	A	
Y-792280	H5	2.430	18.9	18.2-19.4	16.6	15.8-17.9	B	A/B	
Y-792281	H5	2.750	18.4	17.8-18.9	16.2	15.7-17.0	B	A	
Y-792282	H5	2.250	19.0	18.4-19.5	16.7	16.1-17.9	B	A	
Y-792284	H6	2.190	18.7	18.2-19.1	16.6	16.0-17.4	B	A/B	
Y-792287	H6	1.700	18.4	17.6-19.1	16.4	15.8-17.1	B	A/B	
Y-792288	H6	1.600	18.5	17.9-19.0	16.4	15.5-17.2	B	A	
Y-792290	H6	1.630	18.3	17.3-18.8	16.1	15.6-16.7	B	A/B	
Y-792296	H5	2.960	18.8	17.5-19.2	16.5	14.6-17.6	B	B	
Y-792301	H5	2.450	19.0	18.4-19.6	16.6	16.3-16.7	B	C	
Y-792302	H5	2.020	18.9	18.3-19.4	16.6	16.2-17.0	B	A/B	
Y-792303	H5	2.310	19.0	18.1-19.8	16.5	16.1-17.0	B	A/B	
Y-792307	H5	2.550	18.9	18.2-19.9	16.3	16.0-16.5	B	B	
Y-792308	H5	2.760	19.0	18.5-19.4	16.6	15.8-17.5	B	B	
Y-792309	H5	2.420	19.2	17.7-20.4	16.9	16.2-18.4	B	B/C	
Y-792311	H6	2.560	18.9	17.7-19.9	16.6	15.5-17.4	B	A/B	
Y-792313	H5	2.540	19.2	17.2-22.0	16.9	16.5-17.4	B	A/B	
Y-792314	H5	2.060	19.2	18.4-21.5	16.8	15.9-17.3	B	A/B	
Y-792315	H5	2.460	19.0	17.3-21.0	16.5	14.9-17.6	B	B	
Y-792316	H5	2.350	19.4	18.8-20.2	17.2	15.4-19.5	B	B	
Y-792317	H5	2.760	19.0	18.1-21.7	16.4	15.4-17.2	B	B	
Y-792318	H6	2.760	18.9	18.1-22.0	16.6	15.7-18.0	B	A/B	
Y-792319	H5	2.050	19.0	17.5-19.7	16.7	16.4-17.0	B	A	
Y-792320	H5	2.410	19.3	17.7-21.5	16.8	15.2-17.9	B	A/B	
Y-792321	H6	2.900	19.2	18.1-21.2	16.5	15.1-17.2	B	B	
Y-792322	H5	1.950	19.1	17.7-20.2	17.0	16.1-17.7	B	B	
Y-792323	H6	2.880	18.8	16.9-21.5	17.0	16.1-18.8	B	A/B	
Y-792324	H5	2.590	19.1	18.2-20.0	17.1	16.1-18.3	B	A/B	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y-792325	H6	1.680	19.1	18.0-20.3	16.8	16.5-17.6	B	A	
Y-792326	H5	1.920	19.1	18.4-19.7	16.7	15.7-18.9	B	A/B	
Y-792327	H5	1.880	18.8	17.0-19.8	16.4	15.1-17.0	B	A/B	
Y-792328	H5	2.200	19.0	17.4-19.8	16.7	15.5-19.9	B	A	
Y-792330	H5	2.530	18.8	17.4-19.7	16.6	15.5-17.4	B	B	
Y-792331	H5	1.870	18.9	17.6-19.6	16.9	15.9-17.9	B	A/B	
Y-792332	H6	1.910	18.7	18.3-19.5	16.6	16.0-17.3	B	A/B	
Y-792333	H5	2.030	19.2	18.4-19.9	17.2	16.7-17.9	B	A/B	
Y-792334	H6	2.030	18.9	18.5-20.2	16.7	16.1-18.1	B	A/B	
Y-792335	H5	1.750	19.2	18.6-20.7	16.9	16.5-17.4	B	A/B	
Y-792336	H5	2.120	19.1	18.8-19.6	16.4	16.0-17.0	B	A/B	
Y-792337	H5	2.140	19.2	18.0-20.4	17.0	16.3-17.9	B	A/B	
Y-792338	H6	1.710	18.6	17.9-19.2	16.6	15.9-17.1	B	A/B	
Y-792339	H5	1.600	19.0	18.1-19.6	16.9	16.6-17.1	B	A/B	
Y-792340	H5	1.350	19.3	18.4-19.9	16.5	14.6-18.0	B	A/B	
Y-792351	H5	1.340	18.7	18.3-19.8	16.5	16.2-17.1	B	A	
Y-792352	H5	2.050	19.4	18.7-20.0	16.2	15.6-16.8	B	B	
Y-792354	H5	2.000	19.4	18.6-19.8	17.0	16.0-17.9	B	B	
Y-792355	H5	1.190	19.3	18.9-20.0	16.7	16.2-17.5	B	B	
Y-792356	H5	2.210	19.3	18.7-19.7	17.0	16.5-17.8	B	A/B	
Y-792357	H5	2.540	19.2	17.9-19.7	16.9	16.0-17.5	B	A/B	
Y-792358	H5	1.960	19.3	18.9-19.7	16.7	16.0-17.0	B	A/B	
Y-792359	H5	1.950	19.3	18.3-20.3	16.8	16.5-17.2	B	A/B	
Y-792360	H5	1.680	18.9	18.3-19.4	17.1	16.0-19.6	B	A	
A-87002	H5	1.459	18.8	17.8-22.2	17.3	15.5-19.2	A	A	
A-87003	H5	1.303	18.7	17.3-20.6	17.4	15.8-21.0	A	A/B	
A-87014	H3	6.507	19.3	0.7-34.0	16.1	3.2-27.6	B	A	
A-87018	H4	8.123	19.4	18.3-21.4	17.7	16.5-23.0	B	A	
A-87022	H5	6.904	19.2	18.4-19.9	17.2	16.5-20.1	B	A	
A-87023	H4	4.589	19.3	18.3-20.9	16.8	15.5-18.0	B	A	
A-87026	L5	2.755	24.8	23.6-27.7	21.6	19.9-25.0	A	A	
A-87030	L3	3.254	25.1	20.9-27.2	17.3	10.0-22.9	A	A	
A-87038	L3	1.867	25.6	21.5-28.5	19.8	15.8-26.8	A	A	
A-87040	H6	1.870	20.1	19.2-21.8	17.8	17.1-20.2	C	A	
A-87047	L5	1.340	25.9	24.6-28.5	22	20.7-24.1	B	A	
A-87048	L5	2.551	25.9	24.9-29.3	21.4	20.0-25.2	B	A	
A-87049	L4	4.792	25.6	24.4-26.7	21.2	20.2-21.7	B	A	
A-87051	H6	1.034	20	18.7-21.9	17.4	16.4-18.1	C	A	
A-87052	L4	1.136	25	15.6-27.5	15	9.1-22.7	A	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A-87057	H6	1.194	20.2	19.4-21.3	17.6	17.0-18.1	C	A	
A-87058	L6	5.306	25.6	24.4-27.2	21.9	20.3-24.5	A	A/B	
A-87064	H6	2.674	18.9	18.3-19.4	16.9	16.3-18.5	C	B	
A-87066	H6	2.817	20.2	19.6-21.4	17.6	16.2-18.1	C	B	
A-87068	H4	3.598	18.8	17.9-21.3	16.5	13.2-17.9	A	B	
A-87069	H6	7.926	20.1	18.5-21.1	17.7	16.8-18.7	C	A	
A-87072	H5	3.085	19.6	18.7-21.6	17.3	16.4-18.4	B	A	
A-87076	H6	3.946	18.9	17.9-20.0	16.9	16.4-18.7	B	A/B	
A-87080	H4	3.562	18.8	18.1-19.8	16.7	15.9-18.1	C	A/B	
A-87085	L6	7.824	25.3	23.9-26.1	21.8	21.0-23.7	A	A	
A-87089	L6	5.540	25.6	24.2-27.8	22	20.8-25.5	B	A	
A-87091	L6	6.853	25.2	23.2-26.8	21.9	20.9-24.7	A	A/B	
A-87093	L6	4.025	25.2	23.9-26.7	22.1	20.5-27.1	A	A	
A-87094	L6	6.762	25.5	24.4-26.9	22.2	21.1-24.1	A	A/B	
A-87103	H6	2.817	20.5	19.7-23.6	17.6	16.8-18.2	B	A	
A-87109	L6	7.244	25.3	24.1-27.6	21.6	20.3-22.7	A	A	
A-87125	CM2	4.810	11.7	0.6-47.1	2.54	1.0-9.6		A/B	
A-87126	Euc	7.375			59.2	48.9-63.6		A	
A-87131	CK6	5.274	33.9	33.1-35.5			A	A/B	
A-87140	LL6	1.667	29.1	28.9-29.4	24	22.7-24.9	A	A/B	Two lithologies
A-87203	H6	6.366	20.2	19.1-22.3	17.6	16.2-21.1	B	B	Shock vein
A-87228	L6	3.482	25.5	24.4-29.9	21.8	20.7-23.7	A	A/B	
A-87235	LL6	4.236	29.6	28.5-30.6	24.3	23.7-25.1	A	A	Breccia
A-87236	LL6	6.912	30.4	25.4-32.8	25.3	23.5-26.7	A	B	
A-87237	LL6	7.926	31.8	31.1-32.7	26	25.0-26.8	A	B	Breccia
A-87238	LL6	4.808	30.8	25.4-34.4	24.6	22.1-26.1	A	B	Breccia
A-87239	LL6	5.734	30.2	28.6-31.3	25.3	24.3-25.9	A	B	
A-87252	LL6	5.551	31	29.2-33.1	24.2	18.2-26.6	B	A/B	Breccia
A-87253	LL6	6.029	30.9	23.7-34.5	24.6	18.3-26.3	A	C	
A-87267	H5	8.068	19.7	18.4-22.4	17.7	16.3-20.4	B	A	
A-87269	H4	3.533	20.3	18.1-24.2	18.2	13.8-21.4	A	A	Breccia
A-87280	H4	8.116	19.8	18.4-21.8	16.6	9.0-18.9	B	B	
A-87285	H3-6	7.524	20.9	18.9-28.1	17.2	3.3-27.9	B	B	Breccia
A-87293	H5	5.569	19.5	18.4-20.7	16.6	6.8-19.5	B	A/B	
A-87294	H5	7.270	20	18.7-22.9	17.5	15.7-22.1	B	A/B	
A-87295	H5	4.479	19.4	12.3-22.6	17.4	16.0-20.9	B	A/B	
A-87297	H4	3.862	19.9	17.6-34.1	16.3	4.2-18.6	B	A/B	
A-87298	H5	2.019	19.7	18.4-23.6	17.6	15.8-21.6	B	A/B	
A-87302	H5	2.578	20.1	18.8-23.8	17.7	16.4-22.3	B	A/B	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A-87304	H5	9.049	18.9	17.5-22.2	17.1	15.6-23.0	B	A/B	
A-87305	H5	7.260	17.3	15.8-19.7	15.7	14.9-17.9	B	A	
A-87306	LL6	7.541	30.1	28.1-34.9	24.4	23.6-25.3	A	A/B	Breccia
A-87351	H5	5.901	18.2	17.4-19.5	16.4	15.3-18.6	B	A	
A-87352	L6	1.682	26.1	24.9-27.3	21.9	20.7-22.8	B	A	
A-880006	L6	1.862	25.2	24.5-26.0	21.3	20.6-23.6	B	A/B	
A-880012	H6	1.166	20.7	18.7-28.8	18.3	16.1-20.1	B	A	
A-880013	L6	2.766	25.2	24.2-26.9	21.5	20.0-23.7	A	A	
A-880014	L6	2.128	24.9	23.9-25.6	21	19.4-23.8	A	A	
A-880015	L6	1.978	24.9	24.0-25.6	21.5	20.4-25.1	A	A	
A-880018	L6	1.717	25.1	24.0-26.6	21.2	20.1-23.1	A	A	
A-880020	L6	1.861	25.3	24.4-26.1	21.6	20.9-22.1	B	B	Shock vein
A-880022	L	1.705	25.4	24.3-26.5	22	21.4-23.8	A	A/B	Melt breccia
A-880023	L	2.685	25.5	23.7-27.4	21.8	20.0-23.2	A	A/B	Melt breccia
A-880029	H6	2.631	20	18.5-23.6	17.6	16.2-20.5	A	A	
A-880030	L6	2.362	25.2	24.5-26.9	21.3	20.0-23.2	A	A	
A-880032	L6	2.390	25.1	24.0-25.9	21.3	20.4-24.2	B	A	
A-880035	L6	1.976	25	23.4-27.3	21	20.2-22.5	B	A	Shock vein
A-880038	L6	1.793	24.9	24.0-26.5	21.5	20.5-23.5	A	A	
A-880039	L6	2.310	25	24.1-26.5	21.3	20.5-22.8	A	A	Shock vein
A-880043	H6	2.301	19.6	18.9-20.9	17.7	16.3-19.9	B	A	
A-880045	L6	2.204	24.9	23.8-26.7	21.1	20.4-22.9	A	A	Shock vein
A-880047	L6	2.224	25	24.0-27.0	21.3	20.4-23.3	B	A	
A-880048	L6	2.446	25.2	24.1-27.9	22.3	20.9-25.7	B	A	Melt pocket
A-880049	L6	1.335	25	24.0-25.9	21.2	20.8-23.3	B	A/B	
A-880052	H6	1.149	20	18.7-20.9	17.5	16.8-19.6	B	A	
A-880053	H6	2.179	20.9	19.3-25.7	18.6	16.8-23.8	B	A	
A-880054	H6	1.036	20	19.2-20.9	17.3	16.7-18.4	B	A/B	
A-880057	H6	2.007	20	18.9-23.0	17.5	16.2-21.6	B	A/B	
A-880058	L6	1.732	25.4	24.5-27.4	21.4	20.5-22.8	B	A	
A-880059	H6	2.212	19.9	18.9-22.9	18.2	16.6-20.9	B	A	
A-880060	H6	1.626	20.9	18.8-25.8	18.3	16.0-23.1	B	A	
A-880610	H4	2.207	19.6	18.5-22.8	17.5	16.0-22.1	B	A	
A-880619	L6	2.409	25.7	24.3-28.2	21.3	20.9-21.7	B	A/B	
A-880629	L6	2.700	25.6	24.7-28.0	21.5	20.3-23.6	B	A/B	
A-880650	L6	1.723	25.6	24.9-26.4	21.4	21.0-22.7	B	A	
A-880677	Euc	2.955			44.8	34.2-60.8		A/B	
A-880678	L6	2.870	25.3	24.2-26.9	21	20.3-21.3	A	A	Shock vein
A-880824	H6	6.537	19.3	18.5-20.3	17	16.2-17.4	C	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A-880898	H4	2.536	20.9	17.8-26.9	17.2	10.1-19.6	A	A	
A-880899	L6	2.516	26	24.9-27.8	21.8	21.1-23.2	B	A	
A-880912	H6	1.784	19.3	18.1-20.3	17.4	16.3-20.7	C	A/B	
A-880915	H6	1.984	19.5	18.6-20.6	17.2	15.8-19.4	A	A	
A-881184	CM2	2.702	10.1	0.3-37.4	2.56	1.2-5.6		A	
A-881307	L6	1.988	24.5	23.8-25.2	20.8	20.1-21.2	A	A	
A-881316	L6	2.675	25.8	24.8-28.6	22.2	20.9-27.9	A	A	
A-881321	Dio	2.270			29.7	28.8-30.8		A	
A-881333	CM2	7.643	8.94	0.8-48.8	6.29	1.2-29.3	A	A	
A-881343	H5	2.459	19.5	18.2-22.0	17.2	16.3-18.5	B	A	
A-881349	H6	2.641	20.3	19.7-21.6	17.9	17.2-20.4	B	A	
A-881353	H3	4.220	19	10.4-25.7	13.7	2.5-27.8	A	A	
A-881422	L6	2.987	25.8	25.1-26.4	21.7	21.0-22.7	B	A/B	
A-881451	L6	3.656	26	23.6-30.3	22	20.9-24.1	B	A/B	
A-881489	H5	2.408	19.7	18.5-23.2	17.5	16.7-18.7	B	A	Breccia
A-881520	H4	2.722	17.2	15.8-18.1	15.3	14.3-16.7	A	A	
A-881650	L4	1.237	23.5	22.3-26.1	20.1	16.7-22.7	A	A	
A-881682	L6	3.882	25.7	24.9-27.2	21.6	21.1-22.4	B	A/B	
A-881708	L6	1.864	25.5	24.1-29.0	22.4	20.7-29.2	B	A/B	
A-881715	L6	2.167	25.3	23.9-27.3	21.5	20.7-23.8	B	A	
A-881716	L6	1.375	24.8	24.1-25.6	20.8	19.9-21.5	B	A/B	
A-881736	H6	1.369	19.4	18.0-22.5	17.8	16.8-19.6	B	A	
A-881825	Euc	2.621			31.7	30.7-33.7		A/B	
A-881879	LL4-6	7.850	30	28.8-32.1	24.8	23.3-25.9	A	A/B	Breccia
A-881948	H6	1.927	19.3	18.5-20.0	17	16.4-17.3	B	A/B	
A-881969	H6	1.522	19.2	17.9-20.3	17.1	16.5-18.1	B	A	
A-882044	L3	1.647	23.8	23.1-24.5	16.9	9.2-28.5	A	A	
A-882050	L6	2.705	24.7	23.9-25.3	21	19.7-23.0	A	A	
A-882080	H6	1.376	18	17.2-18.6	16	15.1-16.7	A	A	
A-9013	L6	2.966	24.8	24.0-26.3	21.2	20.7-21.9	A	A	
A-9021	H5	6.872	19.3	18.5-21.2	17.3	16.3-20.4	A	A	
Y 980013	H5	1.187	19.0	17.1-19.9	16.9	8.5-28.1	B	A	
Y 980017	H5	0.683	18.6	17.4-20.7	16.2	10.9-18.1	B/C	A	
Y 980081	LL6	0.478	30.1	29.3-31.0	24.7	23.8-25.8	B	A	
Y 980100	L6	2.574	25.5	24.1-27.4	21.6	20.5-25.5	B	A	
Y 980118	L6	0.852	25.8	23.8-28.8	21.9	20.8-26.3	B	A	
Y 980124	L6	1.233	25.6	24.0-27.5	21.6	20.3-23.7	B	A	
Y 980292	L6	1.873	26.3	24.5-28.0	22.0	20.6-25.9	B	A	
Y 980322	H6	1.549	18.1	16.8-19.6	17.3	15.6-19.6	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 980343	H5	1.518	19.6	18.7-22.5	17.4	15.5-20.6	B	A	
Y 980344	H5	1.432	18.5	17.8-20.1	17.2	15.7-20.1	B	A	
Y 980347	H6	3.288	18.9	17.9-20.9	17.2	15.5-20.2	B	A	
Y 980366	CM2	0.522	15.0	0.4-47.5	2.2	0.6-4.9		A	
Y 980367	CM2	0.928	9.7	0.2-51.5	1.4	0.6-5.0		A	
Y 980380	H5	1.198	20.1	19.1-21.8	16.9	12.3-21.5	B	A	
Y 980431	L4	0.490	26.4	24.3-28.5	18.4	15.1-21.6	B	A	
Y 980435	H4	0.395	18.3	17.2-20.3	16.9	15.9-19.8	B	A	
Y 980445	H5	2.437	19.4	18.1-23.1	17.5	15.5-20.3	B	A	
Y 980455	H6	3.932	20.8	18.6-23.5	18.8	16.8-22.5	B	A	
Y 980485	H4	3.958	18.5	17.9-19.1	16.2	13.3-20.5	B	A	
Y 980493	CM2	2.513	4.1	0.3-45.8	1.3	0.8-1.8		A/B	
Y 980494	CM2	0.874	9.3	0.8-54.1	5.1	1.0-40.2		A	
Y 980495	CM2	1.865	5.8	0.2-49.3	2.4	0.7-4.5		A	
Y 980496	CM2	2.071	11.7	0.3-51.6	2.1	1.0-4.7		A	
Y 980499	CM2	1.079	5.5	0.4-47.3	3.4	0.9-14.5		A	
Y 980501	CM2	1.119	12.8	0.5-50.1	2.4	1.0-9.1		A	
Y 980507	CM2	2.041	7.1	0.5-47.2	3.4	0.8-12.3		A	
Y 980510	CM2	1.028	11.9	0.7-40.4	2.5	0.8-4.6		A/B	
Y 980511	CM2	1.881	7.9	0.4-46.0	2.9	0.9-4.9		A/B	
Y 980512	CM2	3.090	4.8	0.3-43.8	5.0	5.0-5.0		A	
Y 980518	CM2	0.490	12.6	0.3-44.4	2.8	1.2-5.3		A	
Y 980548	CM2	0.264	7.6	0.3-49.0	1.3	1.1-1.6		A	
Y 980562	Euc	1.337			49.9	32.4-65.9		A	An _{74.6-93.6}
Y 980583	CM2	0.742	13.2	0.6-61.0	3.2	1.0-7.8		A	
Y 980587	H4	3.326	18.8	17.9-20.5	16.0	10.0-19.2	B	A	
Y 980602	CM2	0.955	13.8	0.3-57.8	5.3	1.8-8.0		A	
Y 980605	H5	1.560	19.3	18.6-22.5	17.5	16.1-22.3	B	A/B	
Y 980612	H5	1.052	19.6	18.3-23.3	17.4	16.1-19.8	B	A	
Y 980636	CM2	1.687	8.5	0.5-49.9	2.1	0.9-4.3		A	
Y 980655	H4	4.226	19.0	18.3-19.6	16.0	13.1-19.8	B	A	
Y 980668	Euc	2.374						A	Wo _{6.5-39.1} En _{26.2-36.5} , An _{85.1-92.0}
Y 980669	Euc	2.141						A	Wo _{6.5-39.6} En _{27.4-36.1} , An _{83.6-89.6}
Y 980695	L6	0.491	25.3	24.3-28.3	22.0	20.2-28.4	B	A	
Y 980697	H5	0.616	19.3	18.6-21.1	17.7	16.0-20.5	B	A	
Y 980716	H5	1.876	19.2	17.9-21.2	17.5	15.9-21.4	B	A	
Y 980736	H5	2.269	19.5	18.3-22.8	17.2	15.6-19.8	B	A	
Y 980749	H5	1.270	19.4	18.2-20.9	17.4	15.8-21.3	B	A	
Y 980754	H5	2.205	19.2	18.3-23.2	17.2	16.0-20.4	B	A/B	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 980833	H5	2.286	18.7	17.3-21.4	16.8	14.7-19.4	B	A	
Y 980840	CM2	8.139	11.6	0.3-44.6	2.7	2.3-3.4		A	
Y 980854	H5	2.470	18.8	17.6-20.6	16.9	15.6-20.4	A	A	
Y 980859	H5	0.826	18.7	17.5-20.5	16.6	15.5-19.2	B/C	A	
Y 980862	H5	1.963	19.3	18.1-22.8	17.4	15.4-20.6	C	A	
Y 980863	LL6	2.938	27.2	26.3-27.9	22.4	21.5-23.1	B	A	
Y 980867	H5	0.621	19.0	18.1-20.9	17.3	16.0-19.8	B	A	
Y 980868	H5	1.149	18.9	17.5-22.5	15.9	14.9-17.1	B	A	
Y 980871	H4	2.610	19.1	18.0-21.4	17.3	15.1-19.1	B/C	A	
Y 980900	H5	2.494	19.5	18.4-20.5	17.7	16.1-21.2	B	B	
Y 980920	H5	1.264	19.4	18.5-21.0	17.2	15.9-22.7	B/C	A	
Y 980959	H5	5.835	19.1	18.1-20.0	17.0	14.3-21.3	B	A	
Y 980964	H4	1.108	19.4	18.5-21.9	17.5	15.8-20.0	B	A	
Y 980980	H5	2.966	19.2	17.6-21.7	17.7	16.2-20.5	B	A	
Y 980982	H4	1.708	19.1	18.1-21.5	17.3	14.7-21.7	B	A	
Y 980988	H4	1.069	19.2	17.4-21.2	17.1	15.4-21.8	B	A	
Y 980991	H4	2.542	19.7	18.4-21.8	17.8	16.3-20.9	B	A	
Y 981000	H4	1.746	19.0	17.4-21.0	17.1	15.2-21.3	B	A/B	
Y 981018	H6	1.235	20.1	18.6-22.7	17.6	15.5-20.3	B	A	
Y 981028	H4	1.894	18.8	17.7-20.0	17.3	14.4-23.4	B	A	
Y 981050	H4	1.303	19.5	18.7-21.7	17.3	15.9-21.4	C	A	Melt pocket
Y 981076	H4	1.707	19.5	17.7-22.6	17.5	16.2-21.0	B	A	
Y 981091	H4	2.592	19.3	18.0-21.8	17.3	15.3-22.6	B	A	
Y 981108	H4	1.594	19.1	18.1-21.3	17.5	15.7-22.5	B	A	
Y 981109	H4	1.418	19.3	18.4-22.5	17.0	14.5-20.8	C	A/B	
Y 981111	H4	2.760	19.3	18.2-22.8	17.1	15.7-19.3	B	A	
Y 981119	H4	1.339	19.8	18.1-22.9	17.4	14.8-20.0	B	A	
Y 981129	L6	2.296	25.5	23.6-28.1	21.4	14.8-24.4	B	A	Shock vein
Y 981145	Dio	2.344			23.4	21.7-24.4		A	
Y 981152	H4	2.157	18.9	17.5-21.1	17.1	15.0-21.4	B	A	
Y 981153	H4	2.510	19.1	17.9-21.6	17.9	16.2-21.7	B	A	
Y 981168	Dio	1.915			23.7	22.5-24.9		A	
Y 981184	Dio	2.153			23.8	22.0-24.9		A	
Y 981187	Dio	4.737			23.5	22.0-24.6		A	
Y 981191	H4	2.685	19.9	18.4-23.4	17.7	15.4-21.4	B	A	Igneous clast
Y 981241	H4	2.032	19.0	18.1-19.7	16.5	12.4-19.4	B	A	
Y 981279	CM2	2.353	9.5	0.4-48.1	1.5	1.2-1.8		A	
Y 981320	H4	1.919	18.9	17.8-21.5	16.8	14.9-21.2	B	A	
Y 981323	H5	1.916	18.4	17.2-20.7	16.8	15.4-23.8	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 981331	H5	3.827	18.5	17.2-20.9	16.2	15.3-19.1	B	A	
Y 981332	H5	4.146	18.6	17.7-20.3	16.4	14.7-20.3	B	A	
Y 981335	H5	1.087	18.8	18.2-19.8	17.4	15.4-22.1	B	A	
Y 981347	H5	2.411	18.5	17.2-20.9	17.0	15.7-20.4	B	A	
Y 981348	L5	2.967	24.4	23.5-27.4	20.9	18.0-26.3	B	A/B	
Y 981360	Dio	1.149			24.0	22.6-25.0		A	
Y 981372	H6	1.784	19.2	18.5-20.2	17.4	15.3-20.6	B	A	
Y 981373	H6	2.174	18.9	18.1-19.6	17.2	15.3-21.5	B	A/B	Large metal
Y 981375	H5	1.484	18.3	17.2-20.8	17.2	15.5-21.9	B	A	
Y 981376	H5	1.365	18.1	17.2-20.8	17.4	14.8-22.6	B	A	
Y 981400	Euc	2.663						A	Wo _{6.0-39.6} En _{27.7-35.8} , An _{83.4-91.6}
Y 981431	Euc	1.584			59.5	57.8-61.3		A	An _{75.5-84.7}
Y 981433	Dio	2.617			23.6	21.2-24.9		A	
Y 981435	H4	1.653	19.2	17.9-20.7	17.4	15.9-22.9	B	A	
Y 981477	H5	1.078	18.5	17.7-19.2	16.5	14.2-20.9	B	A	
Y 981481	H5	2.822	19.7	18.3-21.3	18.1	16.7-21.9	B	A	
Y 981506	H4	1.209	19.6	18.5-22.9	17.3	16.1-20.4	B	A	
Y 981509	Ure	2.044	6.3	3.8-7.1	5.9	5.1-6.5		A	
Y 981552	H5	1.592	19.2	18.0-20.8	17.9	15.7-25.8	B	A	
Y 981568	H5	1.574	18.4	17.3-21.5	16.9	15.6-23.3	B	A	
Y 981569	H5	2.650	18.5	17.3-20.9	16.9	13.7-20.7	B	A	
Y 981637	Euc	1.954			48.4	46.3-50.0		A	An _{87.3-91.8}
Y 981641	Euc	1.522			49.5	48.1-51.4		A	An _{87.3-96.0}
Y 981642	Euc	2.743			48.5	47.4-50.4		A	An _{87.1-90.0}
Y 981674	Euc	2.426			48.4	46.8-50.6		A	An _{87.8-91.0}
Y 981676	Euc	1.262			49.0	47.2-50.3		A	An _{87.9-91.0}
Y 981683	H4	1.609	18.6	17.6-19.4	16.8	13.9-22.8	B	A	
Y 981727	Euc	1.453			48.3	45.7-49.9		A	An _{87.7-89.0}
Y 981728	Euc	1.202			48.3	47.2-49.5		A	
Y 981749	L4	3.610	24.8	23.3-26.6	21.0	18.6-24.7	B	A	
Y 981756	H4	1.706	19.7	18.5-22.6	17.3	14.3-20.1	B	A	
Y 981770	L6	2.751	25.0	23.9-26.5	21.7	20.1-25.6	B	A	
Y 981772	H4	1.193	18.3	17.1-21.0	16.7	15.0-19.1	B	A	
Y 981786	H5	1.037	19.4	18.1-22.8	17.6	15.7-21.1	B	A	
Y 981794	H4	1.347	19.3	18.0-21.3	17.8	15.7-21.1	B	A	
Y 981795	H4	1.401	19.4	18.4-22.0	17.4	14.7-21.0	B	A	
Y 981845	H4	2.983	19.6	18.1-22.8	16.9	13.6-19.4	B	A	
Y 981870	H4	1.816	19.2	18.4-20.7	17.1	16.1-19.6	B	A/B	
Y 981878	H4	2.028	19.2	18.4-20.4	17.1	15.1-20.3	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 981947	CM2	1.563	6.3	0.4-46.3	3.3	0.8-7.8		A	
Y 982052	H4	2.790	19.5	18.3-20.5	17.9	15.8-33.2	B	A	
Y 982063	H4	1.030	19.8	17.7-21.1	18.1	16.0-21.6	B	A	
Y 982168	H6	2.169	20.3	18.4-22.8	18.0	15.6-23.0	B	A	
Y 982263	H4	4.922	19.6	17.8-21.8	17.3	15.5-20.3	B	A	
Y 982271	H5	1.009	19.2	18.1-21.4	17.3	15.9-21.4	B	A	
Y 982278	L6	1.125	27.1	26.1-28.9	23.2	20.8-26.7	A	A	
Y 982285	H6	1.305	19.7	18.2-22.3	18.3	15.9-20.9	B	A/B	Breccia
Y 982287	H6	1.523	19.6	18.3-21.6	18.2	16.7-22.5	B	A	Breccia
Y 982355	H6	2.004	19.7	18.3-22.9	17.4	15.1-21.0	B	A	
Y 982408	H5	2.174	19.9	18.3-23.1	17.5	16.5-21.6	B	A	
Y 982432	H6	3.123	20.2	18.8-22.2	17.8	16.0-22.7	B	A	
Y 982437	L6	1.807	26.0	24.6-28.0	22.9	20.9-27.7	B	A	
Y 982448	H6	2.723	20.0	18.0-23.0	17.7	15.9-20.3	C	A	
Y 982461	L5	2.285	25.4	24.5-27.4	21.8	20.1-28.3	B	A	
Y 982480	H6	2.873	19.3	18.7-21.4	17.5	14.7-21.3	B	A	
Y 982500	CM2	17.36	9.4	0.3-47.1	3.0	1.6-4.3		A/B	
Y 982501	CM2	18.58	8.3	0.5-60.5	3.3	1.0-5.5		A/B	
Y 982503	CM2	19.74	9.0	0.5-59.9	17.9	1.3-52.3		A/B	
Y 982504	CM2	8.193	10.1	0.3-58.5	7.2	1.4-15.7		A/B	
Y 982542	CM2	3.576	5.7	0.4-34.7	2.0	0.9-3.7		A	
Y 982544	CM2	1.114	3.8	0.4-36.7	9.7	1.3-29.6		A/B	
Y 982545	CM2	1.283	12.2	0.5-67.1	1.4	0.7-3.0		A	
Y 982555	CM2	2.380	4.8	0.5-44.4	2.9	1.5-5.0		C	
Y 982557	LL6	1.908	27.9	27.1-28.6	23.2	22.3-26.6	B	A/B	
Y 982567	Ure	1.154	13.0	12.0-14.8	11.7	10.7-14.1		A	
Y 982588	CM2	2.348	4.9	0.4-49.7	1.9	1.2-4.9		A/B	
Y 982589	CM2	1.066	9.6	0.5-57.3	2.9	1.0-5.7		A	
Y 982592	CM2	2.956	7.9	0.4-50.8	1.4	0.9-2.8		B	
Y 982593	CM2	1.390	7.3	0.4-49.8	1.2	1.2-1.2		A	
Y 982594	CM2	1.095	8.5	0.5-49.8	21.8	7.5-36.2		A	
Y 982595	CM2	1.249	8.3	0.5-44.0	4.7	0.9-8.3		C	
Y 982596	CM2	2.197	9.1	0.6-34.3	1.2	1.1-1.2		A/B	
Y 982597	CM2	1.571	3.7	0.3-38.7	3.7	1.2-7.6		A	
Y 982598	CM2	1.050	9.1	0.4-47.5	4.1	1.4-5.7		A/B	
Y 982615	H6	2.038	20.2	19.1-23.3	18.1	16.5-20.5	C	A	
Y 982617	CM2	1.921	9.6	0.4-45.4	2.4	1.1-3.2		A	
Y 982618	CM2	1.558	6.2	0.4-56.9	1.8	1.1-3.6		A	
Y 982619	CM2	1.966	8.5	0.3-57.9	16.8	1.6-32.0		A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 982626	H5	1.125	19.5	18.1-20.9	17.2	15.2-20.1	B	A	
Y 982634	LL6	6.008	28.0	27.1-29.1	23.7	22.4-25.1	A	A	
Y 982639	LL6	2.626	28.0	26.4-30.2	23.6	22.4-26.5	A	A	
Y 982735	H5	93.86	18.7	17.7-19.6	16.7	15.3-19.7	A/B	A/B	
Y 983091	H4	19.44	19.1	17.8-19.8	16.7	14.7-18.5	A	A	
Y 983570	H5	20.42	19.5	18.2-23.1	17.3	15.3-21.0	B	A	
Y 983571	H5	20.09	19.5	18.4-22.5	17.3	16.1-20.6	B	A/B	
Y 983669	L	4.748	26.0	22.9-28.9	23.2	22.3-24.6	B	A/B	Melt breccia
Y 983725	Mes	12.63			25.6	22.6-28.4		A	An _{89.4-92.5}
Y 983737	LL	4.780	28.6	27.6-29.6	20.5	8.9-26.6	A	A	Melt breccia
Y 983919	H5	991.1	19.8	18.2-24.4	17.3	15.9-20.5	B	B	
Y 983977	H5	400.3	19.5	18.2-21.8	17.7	15.0-23.8	B	B	
Y 983993	H5	56.84	18.5	17.6-20.1	16.5	15.4-18.1	B	A	
Y 983994	H4	48.30	19.0	18.0-21.6	16.5	15.2-18.3	B	A	
Y 983996	H5	33.29	18.5	17.3-21.7	16.3	15.5-17.3	B	A/B	
Y 984001	L6	15.74	25.6	24.5-28.4	22.3	20.7-25.4	A	A	
Y 984010	H5	808.5	19.5	18.2-22.3	16.9	15.4-18.4	C	B	
Y 984011	H4	320.0	19.7	18.3-22.4	17.6	16.5-21.0	B	A/B	
Y 984012	H4	191.4	19.5	18.5-22.5	17.5	15.4-20.5	B	A/B	
Y 984013	H5	102.2	19.3	18.1-22.2	17.2	16.2-18.9	B	A	
Y 984014	H5	55.85	19.3	17.5-22.1	17.3	16.6-19.1	B	A	
Y 984015	H5	67.72	19.4	17.6-23.0	16.9	15.7-19.2	B	A	
Y 984016	H5	57.46	19.3	18.2-19.8	17.1	16.3-19.7	B	A/B	
Y 984087	Dio	10.19			24.6	23.4-27.8		A	
Y 984128	Dio	16.65			25.0	23.3-28.0		A	
B 9803	LL5	1249.7	28	26.8-29.7	23.2	22.0-24.2	A	B	
B 9805	LL5	25.30	28	27.4-29.0	23.2	22.4-23.9	B	A/B	
Y 000162	L4	4.521	24.9	24.1-26.3	21.1	18.2-26.2	B	A	
Y 000163	H4	4.645	19.5	17.6-21.8	17.7	15.7-20.9	B	A	
Y 000166	H4	3.411	19.3	17.7-22.6	17.1	15.2-21.9	B	A	
Y 000242	H4	3.267	19	18.2-21.5	17.2	14.9-22.2	B	A	
Y 000246	H4	4.340	19.1	18.0-21.0	17.3	15.9-23.2	B	A	
Y 000269	H4	3.634	19	18.1-20.4	17.2	14.9-22.0	B	A	
Y 000270	H4	4.450	18.9	17.6-21.3	17.3	15.6-21.2	B	A	
Y 000323	H4	3.025	19.2	17.1-21.4	17.4	15.3-21.2	B	A	
Y 000331	H4	4.611	19.2	18.3-22.0	17.1	15.1-19.9	B	A	
Y 000420	H4	4.125	18.8	17.2-21.0	16.9	15.2-20.1	B	A	
Y 000571	H5	1.148	19.4	18.2-21.4	17.9	16.6-20.6	B	A	
Y 000594	H4	4.996	19.8	17.5-21.4	17.5	15.4-22.5	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 000680	L5	3.722	25.5	23.9-27.6	22.5	20.8-37.1	B	A	
Y 000722	H5	4.220	19.9	18.7-22.4	17.5	15.4-22.4	B	A	
Y 000770	H4	4.087	20.9	19.1-23.9	17.3	9.1-21.7	B	A	
Y 000788	H5	14.24	19.3	18.1-21.1	18.2	16.1-21.7	B	A	
Y 000812	H4	4.634	19.2	16.8-21.3	17.4	15.1-21.2	B	A	
Y 000860	H4	4.249	18.8	17.9-19.8	16.7	15.8-19.9	B	A/B	
Y 000869	H4	4.447	19.4	18.3-22.5	17.2	16.2-19.9	B	A	
Y 000875	Dio	4.219			32.9	30.9-35.3		A	Type B
Y 000876	H5	10.44	19.4	18.4-20.7	17.9	16.3-20.2	B	A	
Y 000901	L5	3.549	26.1	24.2-28.2	22.4	20.7-25.0	B	A	Shock vein
Y 000909	H6	3.492	18.8	17.6-19.4	16.9	15.9-19.3	B	A	
Y 000916	H5	4.582	19.1	18.5-20.8	16.9	16.2-18.1	B	A	
Y 000923	L6	3.442	26.2	25.4-28.6	21.8	20.9-23.5	B	A	Shock vein
Y 000924	H5	3.217	19.2	17.7-20.3	17.2	16.1-19.0	B	A	
Y 000931	H5	4.371	19.2	18.5-21.7	17.2	16.2-20.1	B	A	
Y 000940	H5	3.828	19.1	17.8-21.3	17.2	16.5-19.8	B	A	
Y 000943	L6	4.636	25.6	24.4-28.4	21.6	20.8-22.4	A	A	Shock vein
Y 000951	H5	3.550	20.3	18.3-23.9	17.6	16.4-20.3	B	A	Breccia
Y 000958	H5	3.713	19.9	18.7-23.1	17.8	16.1-21.4	B	A	Breccia
Y 000964	H4	3.485	18.5	18.0-18.9	16.2	15.0-17.0	B	A	
Y 000965	H5	3.612	18.6	17.7-19.2	16.5	16.1-17.2	B	A	
Y 000975	H5	3.421	18.7	17.9-19.6	16.2	15.0-16.6	B	A	
Y 000983	L5	4.381	26	24.9-31.0	21.5	20.4-22.9	A	A	
Y 001007	L5	3.556	26	24.7-27.8	22.8	21.1-25.8	B	A	Shock vein
Y 001015	L5	3.636	25.9	24.2-27.9	21.6	20.2-23.0	B	A	
Y 001027	Dio	4.236			33.5	31.7-35.4		A	Type B
Y 001028	H4	3.468	18.5	17.5-19.4	16.3	15.6-16.9	C	A	
Y 001029	H5	4.781	19.4	18.7-22.5	16.6	15.6-17.4	B	A	
Y 001043	H4	4.252	19	18.3-21.3	16.9	16.3-19.9	B	A	
Y 001051	H4	4.346	17.8	17.1-18.6	16.3	15.1-18.7	B	A	
Y 001057	H6	4.782	20	18.9-20.7	17.5	16.7-17.9	B	A	
Y 001064	H5	3.841	20.3	19.5-21.6	17.8	15.2-19.8	B	A	Breccia
Y 001076	H4	3.084	19	18.2-20.4	17	15.7-19.6	B	A	Breccia
Y 001099	H5	3.204	19.7	18.0-22.4	17.6	16.2-21.5	B	A	
Y 001554	H6	3.939	19.6	18.5-21.4	18.2	15.6-29.1	B	A	
Y 001769	H5	0.369	19.7	18.4-22.7	17.3	15.2-21.1	B	A	
Y 001799	H4	3.014	19.4	18.3-20.9	17.5	16.4-19.4	B	A	
Y 002125	H4	2.284	19	17.7-20.4	17.5	16.3-20.5	B	A	
Y 002126	H5	1.602	19.1	17.2-21.8	17.2	15.8-21.4	B	A/B	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002131	H5	0.986	19.4	18.5-21.0	17.6	15.7-20.9	B	A	
Y 002161	LL6	1017.8	29.9	29.3-30.8	24.4	23.2-25.3	A	B	
Y 002224	H6	13.02	19.1	18.0-22.5	17.1	14.6-21.4	B	A/B	
Y 002374	H5	7.187	19.5	18.2-22.6	17.1	15.3-22.3	B	A	
Y 002481	H5	4057.00	18.2	17.1-19.7	17.2	15.5-21.2	B	B	
Y 002503	H4	6.0	19	17.9-20.7	17	15.8-20.7	C	A	
Y 002735	H4	2.625	19.6	18.6-21.7	17.7	16.1-19.6	B	A	
Y 002882	Dio	9.023			23.8	22.6-24.9		A/B	
Y 002884	Dio	2.268			23.6	22.4-24.4		A	
Y 002885	Dio	1.799			23.6	22.2-24.8		A/B	
Y 002886	Dio	1.898			23.5	22.1-24.4		C	Fragments
Y 002925	L6	0.850	25	23.8-27.4	21.1	20.6-22.1	B	A	
Y 002931	H5	1.246	18.7	17.9-19.2	16.1	15.3-17.0	B	A	
Y 002932	L6	1.884	24.6	23.6-25.2	20.6	20.3-21.2	B	A	Shock vein
Y 002933	H5	1.360	18.4	17.5-19.2	16.1	15.3-16.9	B	A	
Y 002934	H5	1.294	19	18.3-20.4	16.7	16.0-17.9	B	A	
Y 002935	H5	1.408	17.2	16.6-17.7	14.8	14.3-15.2	B	A	
Y 002936	L6	1.873	24.7	23.9-26.2	21	20.4-21.6	A	A	
Y 002941	H5	2.553	18.7	17.9-19.5	16.9	16.0-18.6	B	A	
Y 002946	H5	2.630	17.7	17.4-18.2	15.7	15.1-16.1	C	A	
Y 002947	H6	0.691	17.6	16.8-18.9	15.9	15.0-16.7	B	A	
Y 002948	H5	1.238	19	18.3-20.7	16.8	16.0-18.9	B	A	
Y 002951	H5	1.568	16.9	15.6-18.3	14.8	14.2-15.7	B	A	Melt breccia
Y 002953	L6	1.281	25.3	24.4-27.2	21.6	21.0-22.4	B	A	
Y 002955	H5	0.481	19.1	18.2-21.6	17	15.9-20.5	B	A	
Y 002956	H5	0.957	19.2	18.3-20.8	16.7	15.9-17.9	B	A	
Y 002957	H5	1.133	19.1	17.9-21.6	16.5	16.1-17.4	B	A	
Y 002964	H5	1.557	18.8	17.2-21.3	16.9	15.9-18.9	C	A	
Y 002966	H6	2.824	19	18.3-20.2	17.1	15.9-21.1	B	A	
Y 002967	H6	1.393	19.7	19.0-20.1	17.3	16.5-18.3	B	A	
Y 002969	H5	2.239	19.2	18.3-20.1	16.5	16.1-17.2	B	A	
Y 002971	H5	2.357	18.2	17.6-18.9	15.9	14.7-16.9	B	A	
Y 002974	H5	2.744	18.8	18.2-19.6	16.8	16.2-17.8	B	A	
Y 002984	H6	2.282	18.5	17.8-20.0	16.3	15.1-18.0	B	A/B	
Y 002987	H6	1.688	18.8	17.5-22.3	16.6	15.8-18.4	B	A	
Y 002989	H6	1.914	18.6	18.1-19.1	16.4	15.9-17.1	B	A	
Y 002991	H6	2.941	18.4	17.8-19.2	16.5	15.6-18.5	B	A	
Y 002992	H6	1.219	18.7	17.8-21.5	16.4	15.9-17.1	B	A	
Y 002994	H5	1.972	18.7	18.1-19.7	16.6	16.0-17.8	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002995	H6	0.468	18.8	17.4-20.5	16.7	15.7-18.6	B	A	
Y 002997	H4	1.921	17.4	16.4-19.3	15.1	14.2-15.8	B	A	
Y 003001	H4	0.522	16.3	15.4-16.7	13.6	10.3-25.8	B	A	
Y 003002	H5	0.799	18.8	17.9-19.7	16.6	16.4-16.9	B	A	
Y 003005	H4	0.837	19.1	18.3-20.0	16.7	16.2-17.3	B	A	
Y 003006	H5	0.725	19.1	18.4-20.0	16.6	15.7-17.3	B	A	
Y 003007	H5	1.641	19	18.7-19.5	16.7	15.9-17.3	B	A	
Y 003008	H5	1.633	18.2	17.3-20.7	16	15.4-16.8	C	A	
Y 003009	H5	1.138	18.8	18.2-19.9	16.7	16.3-17.0	B	A	
Y 003010	L6	0.721	24.5	23.9-25.4	21	20.1-23.4	A	A	
Y 003013	H5	1.018	18.4	17.7-19.0	16.5	15.7-17.2	B	A	
Y 003015	H5	2.838	18.7	17.7-19.3	16.4	15.6-17.0	B	A	
Y 003016	H5	0.736	18.7	18.0-19.7	16.3	16.0-16.8	B	A	
Y 003017	H5	0.774	18.9	18.3-19.6	16.4	15.8-17.1	B	A	
Y 003023	H5	2.219	18.6	18.3-19.0	16.2	15.4-16.7	B	A	
Y 003026	H6	1.111	19.5	18.8-20.2	16.9	16.0-17.8	C	A/B	
Y 003027	H5	2.167	18.6	18.2-19.7	16.6	16.2-17.7	B	A	
Y 003029	H6	2.130	19.6	18.7-20.5	17.1	16.5-17.7	B	A	
Y 003033	L5	4.579	26	24.5-28.4	22.3	20.4-27.0	B	A	
Y 003038	L6	3.895	25.3	23.6-28.5	22.3	20.5-27.0	B	A	
Y 003040	L6	1.166	24.9	24.2-26.3	20.7	19.1-23.7	B	A	Shock vein
Y 003041	L6	2.444	25.1	24.6-26.2	20.9	19.9-23.2	B	A	Shock vein
Y 003046	H5	1.122	19.1	18.6-20.4	16.8	16.1-17.3	B	A	
Y 003048	H5	1.327	18.7	18.1-19.6	16.2	15.5-16.9	B	A	
Y 003051	L6	2.145	25.4	24.9-26.2	21	20.3-21.6	A	A/B	
Y 003056	H4	1.243	18.3	16.0-19.2	17.3	15.7-22.9	B	A	
Y 003061	H4	13.903	18.5	17.5-19.7	17.1	15.2-26.1	C	A/B	
Y 003062	H4	2.346	18.9	18.4-19.4	16.5	15.8-17.6	B	A	
Y 003063	H4	1.539	19.2	18.4-19.8	16.5	15.6-17.1	B	A	
Y 003064	L6	0.81	25.4	24.8-26.8	21.3	20.6-22.3	B	A	
Y 003065	L6	1.415	25.5	24.7-27.4	21.3	20.6-22.1	A	A	
Y 003066	H4	2.603	18.1	17.5-19.2	16.4	15.1-17.3	B	A	
Y 003067	H4	2.763	19.4	18.5-20.7	16.9	16.1-18.2	B	A	
Y 003069	H4	3.498	19.5	18.5-22.1	17.6	15.7-21.8	B	A	
Y 003070	CM2	0.734	8.7	0.5-46.1	1.57	0.8-3.2	A	A	
Y 003071	H5	3.264	19.9	18.3-22.5	18.1	16.4-21.0	C	A	
Y 003079	L5	2.158	24.2	23.7-24.9	20.3	19.9-20.7	B	A	
Y 003080	L6	1.248	26.3	25.5-28.0	21.4	21.1-21.6	B	A	Breccia
Y 003090	H5	1.841	19.5	19.0-20.6	16.9	15.9-18.4	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 003093	LL3	0.852	18.6	0.3-41.2	12.7	2.1-28.7	B	A	
Y 003095	H4	2.018	18.3	16.9-19.2	15.9	15.0-16.7	B	A	
Y 003099	H5	1.795	19.1	17.9-20.2	16.8	14.9-19.0	B	A	
Y 003101	H4	2.073	18.5	17.3-19.7	15.8	15.2-16.5	B	A	
Y 003103	H4	2.048	18	16.2-20.5	15.8	3.4-26.1	B	A	
Y 003105	L6	0.850	24.9	23.3-26.7	21	20.1-23.1	B	A	
Y 003106	H4	1.119	18.7	17.1-19.8	16.4	15.5-16.7	B	A	
Y 003108	L6	2.622	25	24.3-26.3	20.9	20.4-21.3	B	A	
Y 003110	H6	0.858	20	19.4-20.6	17.5	17.1-17.8	B	A	
Y 003111	H4	0.789	18.8	18.2-19.3	16.3	16.0-16.7	B	A	
Y 003113	L5	2.223	25.4	24.2-26.1	21.1	20.6-21.7	B	A	
Y 003116	H5	0.916	18.5	17.8-19.0	16.7	15.8-17.2	B	A	
Y 003118	H4	1.414	18.5	17.4-19.4	15.7	13.9-16.9	B	A	
Y 003119	H5	1.386	19	18.3-20.2	17.1	16.1-19.2	B	A	
Y 003120	H5	2.636	18.8	18.3-19.6	16.5	16.0-17.0	B	A	
Y 003121	L5	2.034	25.2	24.5-25.7	21.4	20.9-22.2	B	A	
Y 003123	L6	3.166	25.5	23.5-27.9	22.1	20.5-25.3	B	A	
Y 003126	Euc	1.186			33	25.1-53.9		A	
Y 003133	H4	0.983	19.7	17.7-22.1	17.2	15.9-22.3	B	A	
Y 003139	H5	2.255	18.3	17.9-18.7	16.2	15.1-16.8	C	A	
Y 003141	L6	0.652	25.5	24.9-27.0	21	20.7-21.5	A	A	
Y 003142	H6	1.195	19.3	18.0-20.1	17.3	16.5-17.7	B	A	
Y 003143	H5	1.232	19.2	18.2-20.8	16.4	15.6-17.1	B	A	
Y 003145	L6	4.967	24.6	22.9-27.3	21.2	19.6-25.2	B	A	
Y 003146	H5	1.236	19.3	17.8-19.8	16.9	16.3-18.3	B	A	
Y 003147	H5-6	1.565	19.4	18.5-21.2	16.8	16.3-17.3	B	A	Breccia
Y 003148	L6	0.953	25	24.2-26.2	21.2	20.1-22.1	B	A	
Y 003150	H5-6	2.438	19.1	18.7-19.8	17	16.3-17.8	B	A	Breccia
Y 003156	H5	1.953	19.4	18.5-20.2	17.1	16.3-17.9	B	A	
Y 003158	H6	18.931	19.9	18.7-22.5	17.7	16.1-21.6	B	A/B	
Y 003161	L3	0.711	26	16.8-31.3	18.9	13.0-27.7	A	A	
Y 003165	H6	2.849	19.8	18.7-22.2	16.8	15.1-18.0	B	A	Shock vein
Y 003166	H6	1.08	19.7	18.6-21.2	17.2	16.3-19.1	C	A	Shock vein
Y 003168	H5	2.790	19.4	18.7-20.0	16.8	15.6-17.7	A	C	
Y 003169	H6	1.916	19.3	17.5-19.9	16.9	15.8-20.5	B	A	Shock vein
Y 003171	H5	0.797	19.7	19.0-21.2	17.1	15.5-20.5	B	A	Shock vein
Y 003172	H6	0.569	19.9	19.0-20.8	17.6	17.0-18.4	B	A	
Y 003174	H6	2.914	20.5	19.6-22.2	17.3	16.8-17.8	B	A	
Y 003182	H6	1.177	20.1	19.2-22.0	17.8	17.1-21.6	C	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 003183	H6	0.590	20.5	19.1-23.2	18	16.7-20.3	C	A	
Y 003184	H6	1.308	20.2	18.8-23.3	18.1	16.9-19.5	C	A	Shock vein
Y 003186	H6	0.636	19.9	18.9-22.2	17.3	16.6-18.2	B	A	Shock vein
Y 003187	H6	0.638	20	19.4-22.6	17.7	17.3-18.9	B	A	Shock vein
Y 003188	H6	2.419	20.1	19.6-22.3	17.6	16.7-20.5	C	A	
Y 003192	L5	0.681	25.9	24.7-27.2	21.9	21.0-22.7	A	A	
Y 003200	LL6	3.021	28.9	27.9-30.3	24.3	23.2-26.3	A	A	Shock vein
Y 003203	LL5	0.849	28.9	28.3-29.7	23.7	23.0-24.4	A	A	Shock vein
Y 003204	LL6	1.154	28.5	27.0-30.9	23.3	22.8-23.8	A	C	Shock vein
Y 003216	H4	4.533	18.7	17.8-21.2	16.6	15.1-19.6	B	A	
Y 003217	L5	2.269	25.3	24.0-26.4	21.5	20.6-23.1	B	A	
Y 003221	L6	2.122	26.1	25.1-27.7	22.4	20.9-25.9	B	A	
Y 003226	L5	2.378	25.9	24.6-27.6	21.7	21.1-23.0	B	A	
Y 003245	H5	0.956	20	18.6-22.2	18.4	16.3-21.4	B	A	
Y 003247	H5	2.825	19.2	18.1-22.7	16.3	15.1-19.6	C	A	
Y 003257	L5	1.488	25.7	23.7-28.3	22.2	20.9-25.4	B	A	Shock vein
Y 003261	L5	1.781	25.6	24.4-27.3	22.2	21.0-24.6	B	A	Shock vein
Y 003267	L5	1.554	25.9	24.7-28.0	21.4	21.0-22.0	A	A	
Y 003268	L5	1.450	25.3	24.7-26.4	21.8	20.5-23.0	B	A	
Y 003270	L5	1.876	26	23.2-28.6	21.9	20.5-24.8	B	A	
Y 003271	L5	1.735	25.6	24.3-27.8	21.6	21.0-23.5	B	A	
Y 003272	L6	1.187	25.8	24.6-29.2	21.9	21.0-24.6	C	A	
Y 003273	L6	1.567	25.6	24.2-29.4	21.3	20.7-21.9	B	A	Shock vein
Y 003274	L5	1.066	25.6	24.5-28.1	21.4	20.0-23.1	B	A	Shock vein
Y 003275	L5	1.683	25.6	24.6-27.7	22	21.1-24.4	B	A	
Y 003276	L5	1.133	25.9	24.6-28.4	21.5	21.0-22.0	B	A	Shock vein
Y 003277	L5	0.593	25.3	14.6-26.8	21.6	19.9-24.0	A	A	
Y 003278	L5	0.535	25.6	24.4-27.2	21.8	20.2-23.5	A	A	
Y 003279	L5	0.418	25.1	24.0-26.3	21.8	21.1-24.6	A	A	
Y 003280	L5	0.557	25.6	24.3-27.4	21.8	21.1-23.2	B	A	
Y 003281	L5	0.468	25.9	24.7-29.9	21.7	20.6-23.0	B	A	Shock vein
Y 003283	L5	0.434	25.5	24.8-26.6	21.8	20.1-25.2	B	A	Shock vein
Y 003295	L5	1.992	25.4	24.2-26.6	22.3	20.6-25.5	B	A	Shock vein
Y 003296	L5	0.984	25.7	24.7-29.2	21.8	20.5-23.9	A	A	
Y 003297	L5	1.616	25.5	24.8-26.4	21.7	20.6-24.5	B	A	
Y 003298	L5	1.185	25.7	24.6-28.0	21.6	19.7-24.8	B	A	
Y 003299	L5	1.543	25.5	24.3-28.1	22	20.6-24.6	B	A	
Y 003300	L5	1.108	25.7	24.4-27.5	21.6	20.6-25.0	A	A	
Y 003305	L5	1.610	25.2	24.0-26.8	21.7	19.8-25.4	B	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 003310	L5	0.605	25.7	23.9-28.8	22.1	20.3-26.1	B	A	
Y 003314	L6	0.383	25.6	24.6-28.0	21.9	20.0-24.5	B	A	
Y 003317	L6	0.220	25.5	24.4-27.9	22.1	20.0-25.0	B	A	
Y 003321	L6	0.261	25.7	24.8-26.8	22.7	20.8-25.0	C	A	
Y 003323	L6	0.578	25.6	24.1-28.6	22.6	20.9-25.8	B	A	
Y 003328	L6	2.492	25.6	23.9-28.4	22.2	20.3-25.5	B	B/C	
Y 003356	L6	4.059	25.3	24.0-27.5	21.6	19.9-23.5	A	A	
Y 003378	L5	0.980	26	24.7-28.4	21.8	20.9-23.1	B	A/B	
Y 003379	L5	1.868	25.8	24.3-28.2	22.3	21.0-25.5	B	A	
Y 003380	L5	1.462	25.5	24.3-26.3	21.8	20.8-23.6	B	A	
Y 003381	L5	3.165	26.1	24.6-29.6	22.1	20.9-24.1	B	A	
Y 003382	L5	1.497	25.9	24.5-28.2	21.9	20.7-23.0	B	A	
Y 003383	L5	2.414	25.9	24.2-27.7	22.2	21.0-24.2	B	A	
Y 003384	L5	1.582	25.6	24.5-26.8	21.7	20.7-23.7	B	A	
Y 003385	L5	1.556	26.1	25.0-28.6	21.7	20.7-24.3	B	A	
Y 003386	L5	1.886	26	24.4-29.5	21.9	21.1-24.1	B	A	
Y 003387	L5	1.613	25.7	24.3-28.0	21.6	20.7-23.0	B	A	
Y 003388	L5	0.748	25.6	24.5-26.7	21.5	21.0-22.7	B	A	
Y 003389	L5	0.572	25.8	24.7-27.8	21.6	20.6-22.8	B	A	
Y 003391	L5	0.721	25.7	24.7-27.9	22	20.8-24.5	B	A	Shock vein
Y 003393	L5	1.176	25.7	24.2-28.2	22.7	20.5-25.7	B	A	
Y 003394	L6	1.706	25.7	24.4-28.6	22.1	21.2-22.7	B	A	
Y 003395	L5	1.293	25.5	24.6-26.2	21.6	20.9-23.8	B	A	
Y 003396	L5	0.762	25.8	24.8-29.2	21.9	21.1-23.8	B	A	
Y 003397	L5	2.047	25.6	24.5-28.1	21.7	21.0-23.9	B	A	
Y 003399	L5	1.175	25.4	24.4-26.7	22.1	21.2-26.0	B	A	
Y 003402	L5	3.627	25.7	24.6-27.1	21.8	20.9-23.9	B	A	
Y 003403	L5	0.508	25.8	24.7-29.2	21.8	20.2-24.5	B	A	
Y 003404	L5	3.926	25.5	24.9-27.7	22	20.6-23.9	B	A	
Y 003405	L5	3.212	26	24.5-28.9	21.6	20.6-22.7	B	A	
Y 003406	L5	2.112	25.6	24.4-27.4	22	21.0-25.5	B	A	
Y 003408	L5	2.847	25.6	24.3-26.8	21.9	21.1-23.3	B	A	
Y 003409	L5	1.474	25.6	24.7-26.7	21.9	21.0-24.3	B	A	
Y 003411	L5	0.625	25.6	24.3-27.0	21.6	20.6-22.7	B	A	
Y 003413	L5	1.347	25.9	24.6-28.7	22	21.1-24.0	B	A/B	
Y 003414	L5	0.521	25.6	24.8-27.3	21.8	20.6-24.8	B	A	
Y 003415	L5	0.781	25.4	24.5-27.8	22.2	20.8-26.6	B	A/B	
Y 003420	L5	0.401	25.3	24.3-26.3	21.8	20.4-25.0	A	A	
Y 003430	L5	0.431	25.2	23.6-26.6	21.9	20.5-24.5	A	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 003432	L6	2.843	25.4	24.4-26.4	21.9	20.3-26.3	B	A	
Y 003434	L6	0.980	25.6	23.7-28.7	22.5	20.0-26.3	B	A	
Y 003473	L6	3.353	25.5	24.1-29.0	22.2	20.7-24.6	B	A	
Y 003496	L5	2.924	25.9	24.6-28.5	22.1	20.1-26.3	A	A	
Y 003508	L6	0.737	25.3	23.7-27.8	22.4	20.1-24.9	A/B	A	
Y 003556	L6	0.367	26.1	24.4-28.7	22.7	21.0-26.1	B	A	
Y 003573	H6	4.976	20.4	19.0-22.6	18	16.2-20.8	B	A	
A 09265	H5	3.763	19.3	18.5-20.8	17.3	16.5-19.1	B	A	
A 09372	L6	5.711	24.8	23.0-26.1	21.1	20.4-22.1	B	A	
A 09452	H5	2.132	19.6	18.7-21.1	17.1	16.1-19.0	B	A	
A 09475	L6	3.842	25.9	25.1-28.8	21.7	21.0-23.0	C	A	
A 09478	Ure	1.755	16.9	8.1-22.8	15.9	13.0-19.1		A	
A 09479	H4	1.554	19.6	17.8-22.9	18.3	16.4-25.8	B	A	Breccia
A 09480	Ure	2.878	5.02	3.2-7.0				A	Augite
A 09489	L6	4.382	25.9	25.2-31.5	21.5	20.8-23.3	B	A/B	
A 09491	L6	3.032	26	24.0-28.9	22.1	21.3-23.2	B	A/B	
A 09494	L6	0.764	26.4	24.6-30.7	21.9	20.2-25.5	C	A/B	
A 09495	L6	0.522	25.3	24.3-28.6	22.1	20.5-26.2	B	A/B	
A 09496	L6	0.335	25.1	23.7-26.7	21.1	19.8-23.5	B	A/B	
A 09497	L6	0.353	25.1	23.9-26.7	21.7	20.0-23.9	B	A	
A 09498	L6	0.282	25.3	24.4-27.3	21.7	20.2-29.2	B	A	
A 09503	L3	1.357	11.8	1.5-21.4	11.8	2.0-27.7	B	A	
A 09504	L4	1.332	24.3	16.8-28.1	18.5	4.4-24.9	A	A/B	
A 09506	L4	2.142	24	15.9-27.7	23.6	22.1-25.0	A	B	
A 09513	H4	1.624	18.3	17.4-19.0	16.3	15.4-18.9	C	B	
A 09514	H5	1.415	19.4	18.4-23.9	16.8	16.0-19.9	B	A	
A 09517	H5	1.115	20.6	18.0-28.3	16.5	4.7-20.2	B	A	
A 09518	H5-6	1.401	19.1	0.9-26.3	17.2	16.1-18.3	B	A/B	Breccia
A 09520	L6	3.317	26	24.7-28.1	22	20.9-25.1	B	A	Shock vein
A 09521	L4	1.339	25.1	21.6-28.1	22.2	18.6-24.1	B	A	
A 09522	L4	0.656	25.5	22.2-29.1	18.6	4.3-28.7	B	A/B	
A 09525	H5	4.202	18.9	17.9-20.2	17	15.5-21.0	C	B	
A 09526	H4	2.537	17.9	17.2-18.9	16.4	14.9-19.3	B	A	
A 09527	H5	2.841	19.4	18.1-21.2	17.2	16.0-19.9	B	A/B	
A 09529	H3	4.119	19.5	1.0-36.4	17.7	5.2-40.7	B	A	
A 09538	H5	4.925	19	18.2-20.4	17	16.6-18.8	B	A/B	
A 09541	H5	1.529	19.2	17.8-21.0	17	16.4-17.6	B	A/B	
A 09543	H5	2.931	18.3	17.2-21.0	15.9	14.8-18.1	B	A	
A 09556	H5	2.431	18.6	17.7-19.5	16.3	15.7-17.3	C	A	

Table 1. Continued.

Meteorite	Classification	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A 09561	L4	1.609	25.5	22.2-28.9	20.3	11.6-31.6	B	A	
A 09563	H4	1.871	18.8	17.7-20.8	16.9	15.7-17.9	C	A	
A 09566	H4	2.533	18.6	17.1-19.7	17.3	14.5-20.3	C	A	
A 09567	H4	3.204	19.2	17.7-21.4	17.5	16.4-20.3	C	A/B	
A 09568	H4	1.538	19.1	18.5-20.4	17.5	16.8-18.3	C	A	
A 09570	L6	2.979	25.4	23.4-29.0	21.9	18.7-24.0	B	A	
A 09572	H5	1.414	19	17.9-22.9	16.7	16.0-18.4	B	A	
A 09573	L6	1.813	25.7	23.7-32.5	21.6	20.2-23.3	B	A	Shock vein
A 09574	L6	2.750	25.5	22.5-29.4	21.7	19.5-24.3	B	A/B	Shock vein
A 09575	H4	3.113	18.6	17.8-22.4	17	15.5-24.2	C	A/B	
A 09577	L6	2.479	25.7	21.1-34.1	22.3	20.7-24.9	B	A/B	Shock vein
A 09596	L6	4.541	24.9	20.3-30.2	20.7	18.5-21.4	B	A/B	Shock vein
A 09597	L6	3.351	24.7	23.8-26.0	22.1	20.5-26.9	B	A	
A 09598	L6	3.137	24.7	23.9-26.4	21.2	20.7-21.9	B	A	
A 09599	L6	3.612	24.7	23.8-26.4	21.7	20.1-25.5	B	A	
A 09603	L6	1.651	24.9	24.0-27.1	21.1	19.8-22.9	B	A	
A 12231	H5	27.458	20.3	19.8-22.5	18	16.6-21.2	C	A/B	
A 12315	H5	19.655	19.1	18.0-21.9	16.3	15.7-16.9	B	A	
A 12352	H4	44.473	19	17.1-20.8	16.3	9.1-25.1	B	B	
A 12400	L4	554.410	24.2	22.9-27.6	21	19.8-23.1	A	A/B	

Notes for Table 1

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.

Table 2. Classification and chemical compositions of iron meteorites.

Meteorite	Wt.	Classification		Fe	Co	Ni	Ga	Ge	Ir	Au	Comment
	g	Chem.	Str.	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	
Y-792345	2.570	Ung		93.4	0.585	5.97	11.2	58.7	0.044	0.872	
Y-794206	276.4	IAB-sHL an	Om	87.4	0.582	11.9	11.9	27.5	0.769	2.27	
A-87263	147.6	IAB sLH	D	76.4	0.666	21.9	2.33	2.39	0.068	1.86	
A-881111	296.3	IAB sLL	Om	90.5	0.486	8.17	63.7	259	2.83	1.60	
A-881164	6278	IIIAB	Om	91.6	0.504	7.73	17.0	32.9	4.91	0.568	
A-881194	181.64	IIIAB	Om	91.4	0.501	7.63	18.7	36.1	4.98	0.617	Paired with A-881164
A-881818	39.24	IIE		89.4	0.498	9.82	19.7	55.5	4.19	1.41	Troilite-rich
A-881890	178.5	IIIAB	Om	91.2	0.523	8.03	21.7	46.0	0.468	1.26	
A-882112	4.520	IAB-sLL an	Om	89.5	0.480	9.59	55.1	166	0.676	1.86	
Y 983934	7.542	Ung		93.9	0.323	5.52	41.9	128	3.28	1.28	
Y 000041	11.309	IIIAB	Og	90.7	0.528	8.39	19.9	43.9	0.446	1.18	
Y 000088	4.245	Ung		93.1	0.296	6.37	46.0	131	0.398	1.13	
Y 000090	1.562	Ung		93.0	0.286	6.28	43.5	132	0.425	1.10	Paired with Y 000088
Y 000266	2.506	IAB-ung	Opl	85.5	0.648	13.6	30.4	120	0.260	1.77	
Y 000302	8.026	IAB-ung	Opl	85.4	0.628	13.5	28.5	230	0.468	2.17	Paired with Y 000378
Y 000332	5.961	IAB-ung	Opl	86.0	0.630	13.0	29.0	236	0.408	2.10	Paired with Y 000378
Y 000378	51533.8	IAB-ung	Opl	85.8	0.633	13.3	30.7	259	0.278	1.92	
Y 000532	3.133	IAB-ung	Opl	85.7	0.635	13.3	30.0	246	0.281	2.19	Paired with Y 000378
Y 001668	6.283	IIAB		93.9	0.458	5.19	57.1	178	20.7	0.564	
Y 003205	10835.0	IAB-ung		85.7	0.969	13.3	3.15	9.67	1.15	2.18	
Y 003569	53.96	IAB-sLH an	Opl	81.1	0.645	18.5	3.22	0.648	0.0041	1.69	