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Akira Yamaguchi¹, Makoto Kimura^{1,2}, Lidia Pittarello^{3,4}, Naoya Imae¹,
Vinciane Debaille⁵, Philippe Claeys⁴, and Hideyasu Kojima¹

¹Antarctic Meteorite Research Center, National Institute of Polar Research, Tokyo 173-8515.

²Faculty of Science, Ibaraki University, Bunkyo 2-1-1, Mito 310-8512.

³Royal Belgian Institute of Natural Sciences, Jennerstraat 13, 1000 Brussels

⁴Vrije Universiteit Brussel, Earth System Science,
Pleinlaan 2, 1050 Brussels.

⁵Université Libre de Bruxelles, Département des Sciences de la Terre et de l'Environnement,
CP160/02, Ave. F.D. Roosevelt 50, 1050 Brussels.

Introduction

This newsletter reports the classification of meteorites collected from ice fields near the Yamato Mountains by JARE-41 (Yamato 00 meteorites) and meteorites from the Nansen Ice Field by the Japan-Belgium joint expeditions, BELARE 2010-2011 (Asuka 10 meteorites) and JARE-54/BELARE 2012-2013 (Asuka 12 meteorites). Asuka 10 and 12 meteorites are shared by National Institute of Polar Research (NIPR) in Tokyo and Royal Belgian Institute of Natural Sciences (RBINS) in Brussels. This newsletter includes 800 meteorite names including 10 carbonaceous chondrites (8 CM, 3 CR), 1 acapulcoite, 2 ureilites, 9 HED meteorites, and 1 angrite.

Classification

Classification was made with visual inspection of meteorites and petrographic observations of polished thin 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 ordinary chondrites are ~20-30. Enstatite chondrites were classified into EH and EL groups on the basis of Si contents in kamacite. Table 1 presents the results of classifications (groups, averages and ranges of Fs and Fa values, fracturing and weathering degrees).

Sample requests

Yamato sample requests will be reviewed in a timely manner by curators at NIPR and requests of Asuka 10 and 12 meteorites by scientific members at NIPR, RBINS, Vrije Universiteit Brussel (VUB), and Université Libre de Bruxelles (ULB).

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Table 1. List of meteorites classified in this volume.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001460	H6	1.323	18.9	17.7-21.1	16.5	14.4-17.2	B	A	
Y 001464	H5	2.077	17.4	16.2-18.2	14.9	13.6-16.1	C	A	
Y 001465	H4	1.826	19.2	18.0-20.3	16.3	14.9-17.2	B/C	A	
Y 001466	H3-5	0.390	19.4	18.3-21.9	17.0	15.7-20.0	B/C	A	Genomict breccia
Y 001469	H5	2.293	17.4	16.5-18.6	15.4	14.2-18.5	C	A	
Y 001473	H5	1.543	19.3	18.5-21.8	16.8	15.5-19.8	C	A	
Y 001474	H4-5	1.273	19.2	18.3-21.9	17.1	15.8-19.0	B/C	A	Genomict breccia
Y 001478	H4	1.873	18.4	17.2-20.8	16.4	14.9-19.2	C	A	
Y 001479	L6	0.804	25.5	24.7-26.9	21.3	18.9-23.7	B	A	
Y 001480	H6	1.673	19.1	17.7-19.8	16.7	15.7-18.5	C	A	
Y 001484	H6	1.156	19.3	18.4-20.9	17.0	16.1-17.6	C	A	
Y 001485	H5	0.579	19.2	18.6-21.0	17.2	15.8-19.0	B	A	
Y 001491	L5	2.270	25.6	24.1-27.7	22.1	20.6-24.8	A	A	
Y 001492	L5	1.319	25.8	24.2-30.1	21.9	20.1-29.8	A	A	
Y 001493	H4	1.521	19.1	18.2-21.1	17.5	15.7-20.9	B	A	
Y 001494	H5	2.771	17.5	16.3-19.4	15.4	14.3-17.0	A	A	Darkened
Y 001495	H5	2.816	17.1	15.5-18.3	16.5	14.3-30.2	A	A	
Y 001497	H4	2.149	18.2	17.1-19.9	16.2	15.4-17.2	B	A	
Y 001498	H5	1.128	17.5	16.3-18.9	15.2	13.8-16.3	B	A	
Y 001499	H6	2.070	20.0	19.0-21.0	17.6	16.4-18.5	B	A	
Y 001500	H6	2.190	20.2	19.2-22.5	17.6	16.9-19.7	B	A	
Y 001501	H6	2.966	20.2	19.2-22.1	17.9	17.2-19.8	B	A	
Y 001503	H5	1.928	17.3	15.9-18.2	15.2	13.9-16.8	B	A	
Y 001504	H5	2.012	17.7	16.9-18.5	15.8	13.6-17.2	B	A	
Y 001505	H4	0.220	17.6	16.8-18.3	15.5	10.6-18.3	B	A	
Y 001507	H4	1.700	17.2	16.2-17.9	15.3	13.2-16.7	A	A	
Y 001514	H4	1.980	19.3	18.5-20.8	16.7	15.2-18.2	A	A	
Y 001515	H5	0.227	19.9	19.1-20.4	17.5	16.6-19.4	B	A	
Y 001521	H5	2.536	19.2	18.3-21.1	16.5	15.5-17.8	A	A/B	
Y 001522	H4	0.689	19.3	17.9-22.9	16.7	15.6-20.0	A	A	
Y 001523	H4	0.677	19.2	18.0-20.9	16.9	15.5-20.2	B	A	
Y 001524	H4	1.686	19.2	18.0-22.3	16.8	14.1-18.4	A	A	
Y 001525	H4	1.255	19.1	17.8-22.3	17.1	15.6-18.4	B	A	
Y 001526	H4	2.067	19.1	17.9-21.1	16.9	15.8-19.1	B	A	
Y 001527	H4	1.812	19.8	18.5-23.2	17.6	16.0-21.5	A	A/B	
Y 001528	H4	1.598	19.4	18.0-22.0	17.2	15.1-20.8	B	A/B	
Y 001529	H5	2.548	19.3	17.4-23.3	16.7	15.9-18.4	B	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001530	H5	2.689	19.1	18.1-20.5	16.8	14.9-19.1	B	A	
Y 001532	H5	1.396	19.1	18.3-21.8	16.7	15.3-17.8	B	A	
Y 001536	L6	2.800	25.9	24.8-27.7	21.6	20.0-23.4	A	A	
Y 001537	L6	0.784	25.8	23.7-28.4	21.6	19.9-23.4	A	A	
Y 001541	H4	2.054	18.1	17.3-19.4	17.2	15.4-30.4	B	A	
Y 001542	H5	1.726	19.4	18.2-20.7	16.7	15.7-17.8	B	A	
Y 001549	L6	1.457	25.3	23.2-27.4	21.5	20.5-24.6	A	A	
Y 001555	H6	0.849	19.3	18.0-20.6	17.2	16.1-18.1	B	A	
Y 001556	H5	0.921	17.4	16.3-19.1	15.7	14.0-18.5	B	A	
Y 001557	H6	1.395	19.4	18.4-20.6	16.9	15.7-17.6	C	A	
Y 001559	H5	2.043	17.1	16.2-17.6	15.4	14.6-17.3	B	A	
Y 001561	H5	1.180	17.6	16.6-20.4	15.6	14.3-16.6	B	A	
Y 001562	H5	0.634	17.2	16.1-18.4	15.4	13.9-18.1	B	A	
Y 001563	H5	2.622	17.4	16.5-18.4	15.1	13.7-16.7	A	A	
Y 001564	H5	1.523	17.2	15.9-18.1	15.5	14.5-16.6	B	A	
Y 001565	H5	0.663	17.0	15.3-18.4	15.0	13.0-17.3	B	A	
Y 001566	H4	0.487	19.3	18.4-20.4	16.6	15.4-17.5	B	A	
Y 001567	H5	1.715	17.4	16.2-19.2	15.4	14.1-16.6	B	A	
Y 001568	L6	1.443	25.5	23.7-27.1	21.8	20.6-23.8	B	A	Shock vein
Y 001570	L6	0.995	25.6	24.6-26.9	21.9	19.8-24.9	A	A	Shock vein
Y 001571	L6	2.394	25.3	24.1-29.0	21.7	20.8-23.7	A	A	
Y 001572	L6	1.184	25.3	23.3-28.8	21.3	20.0-24.3	A	A	
Y 001573	H6	2.992	20.0	19.1-20.9	17.1	15.7-18.6	B	A/B	
Y 001574	H5	1.117	17.1	16.3-17.8	15.3	14.5-16.1	B	A	
Y 001575	H5	1.861	19.0	18.0-21.4	16.7	15.5-18.1	B	A	
Y 001579	H5	0.463	17.5	16.7-18.1	15.5	14.4-16.8	B	A	
Y 001581	H5	0.848	17.1	16.3-18.3	15.1	13.9-16.1	B	A/B	
Y 001582	H5	1.049	17.5	15.7-19.5	15.2	13.7-17.0	B	A	
Y 001583	L4	0.551	23.2	22.4-24.2	19.6	18.5-20.3	B	A	
Y 001586	H5	0.814	17.3	16.5-19.1	15.2	13.8-17.5	A	A/B	
Y 001606	Euc	0.593			62.6	59.6-64.5	-	A	An84.8-88.6
Y 001607	H5	2.757	18.9	17.1-20.3	16.8	15.4-19.5	B	A	
Y 001608	H4	2.114	15.3	14.3-16.9	14.2	13.1-17.8	A	A	
Y 001609	H5	2.830	17.1	15.6-18.4	15.4	14.5-16.0	B	A	
Y 001610	H5	2.653	17.2	16.1-18.4	15.4	14.4-16.4	A	A	
Y 001611	H5	2.525	17.5	15.9-18.4	15.2	14.2-15.9	A	A	
Y 001612	H5	2.422	17.4	16.2-18.5	15.6	14.8-16.8	A	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001613	H5	2.710	17.5	16.3-19.0	15.0	12.8-16.2	B	A/B	
Y 001614	H5	0.659	17.1	16.0-18.4	15.5	14.3-17.5	A	A	
Y 001615	H5	0.634	17.1	15.9-18.0	14.9	13.2-15.8	A	A	
Y 001616	H5	0.559	17.5	16.6-18.3	15.4	14.9-16.4	B	A	
Y 001617	H5	2.944	17.4	16.4-18.5	15.3	14.0-16.3	A	A	
Y 001618	H5	1.902	17.2	16.1-18.3	15.6	14.7-17.0	B	A	
Y 001621	EL5	2.040			0.5	0.1-1.6	A	A	Si in kamacite = 0.72-0.89 wt%
Y 001622	H6	2.403	20.4	19.4-22.1	17.5	16.1-18.9	B	A	
Y 001623	H6	1.569	20.3	19.2-21.6	17.6	16.9-18.1	A	A	
Y 001624	H6	1.286	20.1	19.6-20.8	17.3	16.0-18.9	B	A	
Y 001625	H6	2.041	20.3	18.6-22.8	17.7	16.7-18.2	A	A/B	
Y 001626	LL6	2.836	27.9	27.1-30.3	23.4	22.3-26.9	A	A	
Y 001627	LL6	1.679	28.1	26.6-30.5	22.8	21.9-23.7	A	A	
Y 001628	LL6	1.480	28.1	27.2-29.5	23.6	21.9-25.8	A	A	
Y 001629	LL6	2.546	28.3	27.1-30.6	23.4	22.3-26.5	A	A	
Y 001631	LL6	1.560	28.2	26.6-30.8	23.0	22.1-24.1	A	A	
Y 001632	LL6	0.545	28.0	26.6-29.7	23.6	22.3-24.8	A	A	
Y 001633	LL6	0.939	28.1	26.6-30.8	23.6	22.5-26.6	A	A	
Y 001634	H5	1.649	17.2	14.7-19.1	15.1	14.4-16.0	B	A	
Y 001635	H5	0.498	17.7	16.3-19.9	15.7	14.9-17.9	B	A	
Y 001636	H5	1.152	17.4	15.6-20.1	15.4	14.1-16.9	B	A	
Y 001637	H5	2.385	17.6	16.9-18.5	15.35	13.2-18.9	A	A	
Y 001638	H5	2.215	18.0	16.8-21.8	16.32	15.2-19.4	A	A	
Y 001639	H5	2.587	18.2	16.9-21.2	16.4	13.2-20.2	A	A	
Y 001640	L6	0.613	25.1	23.2-27.2	21.68	19.9-24.2	A	A	
Y 001641	H5	0.685	17.1	15.8-18.2	15.17	13.8-16.4	B	A	
Y 001642	H6	0.982	19.4	18.6-20.1	16.85	15.8-18.2	B	A	
Y 001651	H5	1.503	17.6	15.9-22.2	15.42	14.1-19.6	B	A	
Y 001652	H5	0.699	17.0	15.7-19.5	15.36	14.4-17.4	B	A/B	
Y 001653	L6	0.804	25.8	24.0-31.1	21.83	19.8-27.0	B	A	Darkened
Y 001654	L6	1.552	25.5	24.6-27.6	21.59	20.2-24.4	B	A	Shock vein, darkened
Y 001655	H3	1.252	17.7	16.7-20.0	14.9	9.0-22.1	B	A	
Y 001659	H4	0.385	19.1	17.5-21.1	16.45	15.2-20.0	B	A	
Y 001660	H5	0.798	17.7	16.1-20.0	15.95	14.6-19.4	B	A/B	
Y 001661	H5	1.044	17.3	16.5-18.5	15.5	14.5-16.4	B	A	
Y 001662	H6	0.754	19.7	18.7-22.2	17	15.5-20.0	A	A	
Y 001667	H6	1.687	18.9	17.6-19.7	16.65	15.4-17.3	C	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001669	H6	2.178	18.3	17.2-19.7	16.3	15.5-16.8	B	A	
Y 001670	H5	2.275	17.5	16.6-19.0	15.1	14.1-16.0	B	A	
Y 001671	H6	2.009	19.5	18.5-21.2	17.2	15.1-18.6	B	A	
Y 001672	H3	0.745	17.5	16.6-19.4	16.0	9.1-30.4	C	A	
Y 001673	H5	1.887	17.4	15.7-18.7	15.3	14.0-17.7	A	A	
Y 001674	L6	2.825	25.8	24.4-33.8	21.5	19.5-23.6	A	A	
Y 001675	H4	0.863	19.1	18.4-19.9	17.1	15.6-19.6	A	A	
Y 001679	H5	1.762	17.3	16.2-18.2	15.4	14.4-16.2	B	A	
Y 001683	L6	1.593	25.6	23.8-27.5	21.8	20.5-23.6	B	A	
Y 001684	L6	0.929	25.5	23.8-28.0	21.9	20.9-24.4	B	A	
Y 001685	L6	2.836	25.3	24.0-27.2	21.2	19.9-22.7	A	A	
Y 001686	L6	0.731	25.5	24.2-26.7	21.7	19.6-25.3	B	A	
Y 001687	L6	0.690	25.7	23.8-30.1	21.2	20.0-24.2	A	A	
Y 001690	H5	2.182	17.4	16.2-18.6	15.1	13.4-16.2	B	A	
Y 001691	H5	2.651	17.1	16.1-18.2	15.0	13.8-16.1	B	A	
Y 001696	H3	1.219	18.9	15.8-20.4	15.4	6.1-19.0	C	A	
Y 001701	L6	2.757	25.3	24.4-27.7	21.2	20.6-21.9	B	A	
Y 001710	CM	1.726	7.5	0.3-38.7	3.0	0.8-5.4	A	A	
Y 001717	H5	1.089	17.7	16.2-19.1	16.7	15.2-20.1	C	A	
Y 001719	L6	1.427	25.5	24.0-27.8	21.3	19.9-22.9	A	A	
Y 001721	H6	2.337	20.0	19.1-20.4	17.6	16.1-21.0	A	A	
Y 001722	H6	2.987	19.3	17.9-22.7	17.0	15.7-20.1	A	A	
Y 001726	H5	2.193	19.2	18.7-19.5	16.6	15.6-18.1	A	A	
Y 001727	L6	1.362	25.5	23.7-27.7	21.3	20.7-21.9	A	A	
Y 001728	H6	2.772	20.7	18.3-24.9	17.9	16.2-21.3	B	A	
Y 001730	H4	2.953	18.8	17.7-21.4	17.2	16.0-20.0	B	A	
Y 001734	H6	1.558	20.0	19.2-21.4	18.0	16.4-22.3	B	A	
Y 001735	L6	1.429	24.7	23.6-28.2	21.0	19.5-24.1	B	A	
Y 001736	H6	2.579	19.0	17.0-21.7	17.0	14.8-20.9	A	A	
Y 001737	H5	2.342	19.1	17.8-22.1	17.0	14.8-19.1	B	A	
Y 001745	H6	2.336	19.3	18.0-21.3	17.3	15.2-20.5	B	A	
Y 001746	H3	2.046	18.9	18.1-21.9	16.8	15.5-19.9	B	A	
Y 001751	H4	2.882	17.4	16.2-18.4	15.5	14.6-18.8	B	A	
Y 001753	H3	1.686	18.9	18.2-21.7	15.5	4.7-18.3	B	A	
Y 001756	Euc	1.288			62.1	60.5-63.0	-	A	An76.9-88.3
Y 001762	L6	2.706	25.5	23.1-29.0	21.2	19.7-22.7	A	A	Shock vein
Y 001764	H4	1.604	19.5	18.5-23.6	17.4	16.5-19.8	B	A/B	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001765	H4	1.293	19.2	18.3-21.4	16.8	15.6-18.5	B	A	
Y 001766	H4	0.626	19.4	18.5-21.4	17.2	15.4-20.9	B	A	
Y 001767	H4	1.094	19.4	18.5-21.7	17.0	15.8-19.6	B	A	
Y 001768	H4	2.178	19.4	18.4-21.5	17.0	16.0-19.4	B	A/B	
Y 001770	H4	1.111	19.6	18.6-24.2	16.9	16.0-18.5	B	A	
Y 001771	H4	1.142	19.2	18.0-21.1	17.4	15.9-22.1	B	A	
Y 001772	H4	2.591	19.0	18.0-21.2	17.2	16.1-18.9	B	A	
Y 001773	H4	1.774	19.2	17.4-21.4	17.2	16.4-20.1	B	A	
Y 001775	L4	0.582	24.2	22.8-26.4	20.9	20.0-25.2	A	A	
Y 001778	H4	1.473	19.5	17.9-22.2	16.9	16.2-18.4	B	A	
Y 001779	L6	1.489	25.1	23.1-26.9	21.8	19.8-25.0	B	A	Shock vein
Y 001781	L6	1.748	25.3	22.6-27.2	21.3	19.7-24.0	A	A	Shock vein
Y 001784	H4	2.169	19.4	18.5-20.7	16.9	14.9-18.6	B	A	
Y 001787	L6	1.214	25.6	24.4-27.9	21.8	20.8-23.3	A	A	Shock vein
Y 001790	H4	1.895	19.3	17.5-21.6	16.9	15.7-20.1	B	A	
Y 001791	H4	0.961	19.6	18.6-20.6	17.4	16.4-19.6	B	A	
Y 001792	L6	2.880	25.6	24.1-28.2	22.0	21.1-23.9	A	A	Shock vein
Y 001793	H4	0.695	20.2	18.5-26.8	17.1	16.4-19.3	B	A	
Y 001796	H4	1.308	19.6	18.3-23.5	17.3	16.5-19.7	A	A	
Y 001797	H4	0.635	19.9	18.8-24.8	17.5	16.3-21.8	B	A	
Y 001800	H4	1.882	19.4	18.6-21.3	16.7	15.5-18.0	B	A	
Y 001801	H4	2.226	19.1	18.1-20.6	17.0	15.4-20.6	B	A	
Y 001805	H4	1.411	19.1	18.2-21.3	16.8	15.4-19.1	B	A	
Y 001806	H4	2.155	19.5	18.3-22.0	16.9	16.1-18.8	A	A	
Y 001807	H4	2.233	20.2	18.3-29.2	17.5	16.2-19.2	B	A	
Y 001809	H4	1.838	19.4	18.7-22.7	17.1	15.1-21.0	A	A	
Y 001810	H4	1.755	19.3	18.4-21.1	17.2	16.4-18.8	B	A	
Y 001812	H4	1.155	19.5	18.5-21.9	16.6	15.7-17.4	B	A	
Y 001813	H4	1.257	19.2	17.5-21.7	17.3	15.5-21.2	B	A	
Y 001814	H4	1.374	19.3	18.5-20.6	17.1	13.9-20.7	B	A/B	
Y 001815	H4	0.585	19.4	18.0-21.5	17.0	15.6-19.2	B	A	
Y 001816	H4	1.409	19.5	18.5-23.1	16.9	14.9-19.4	B	A	
Y 001817	H4	1.245	19.7	18.1-24.9	17.1	15.6-19.2	A	A	
Y 001818	H4	1.522	19.2	18.2-22.9	17.0	16.3-17.7	A	A	
Y 001819	H4	2.075	19.6	18.5-22.5	17.4	16.2-19.4	B	A	
Y 001820	H4	2.906	19.4	16.9-23.5	16.9	16.2-19.4	B	A	
Y 001822	H4	0.970	19.2	17.8-20.6	16.8	15.8-19.7	A	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001823	H4	2.323	19.3	17.3-22.6	16.5	15.9-17.2	A	A	
Y 001825	H4	2.028	19.1	17.6-23.0	17.0	14.9-21.0	A	A	
Y 001827	H4	0.637	19.4	18.2-21.9	17.1	16.0-20.0	A	A	
Y 001828	H4	0.653	19.4	18.1-22.7	17.0	15.7-18.5	A	A	
Y 001829	H4	1.417	19.8	18.6-25.3	17.1	15.2-21.9	A	A	
Y 001831	H4	0.876	19.5	18.0-22.5	17.0	15.0-21.1	A	A	
Y 001832	H5	1.753	19.4	18.6-21.1	16.7	15.5-18.7	B/C	A/B	
Y 001833	H5	2.483	19.3	18.2-21.4	17.0	15.2-21.1	C	A	
Y 001834	H5	2.689	19.4	18.3-22.6	16.7	16.1-17.2	B/C	A	
Y 001835	H5	2.494	19.1	18.4-21.4	16.6	14.4-19.9	C	A	
Y 001836	H5	0.825	19.2	17.5-22.1	17.0	16.1-21.5	C	A	
Y 001838	H5	1.842	19.8	18.6-22.9	17.1	16.1-19.1	B	A	
Y 001839	H5	1.548	19.3	18.5-20.6	17.1	14.4-20.6	B/C	A/B	
Y 001840	H5	2.325	19.6	18.3-23.0	16.8	15.4-19.6	C	A/B	
Y 001841	H5	0.987	19.6	18.4-23.6	17.0	14.6-18.3	B/C	A/B	
Y 001842	H5	1.721	19.8	18.5-22.1	17.1	14.7-19.7	B/C	A	
Y 001843	H5	2.120	19.5	17.9-23.5	16.9	14.8-18.8	B	A	
Y 001844	H5	1.955	19.3	16.9-21.1	17.2	14.9-20.0	B/C	A	
Y 001845	H5	0.575	19.1	18.4-21.3	16.9	14.7-20.6	B/C	A	
Y 001846	H5	1.159	19.3	18.2-21.1	17.2	15.7-18.8	B/C	A/B	
Y 001847	H5	0.639	19.6	18.7-25.5	17.1	15.4-19.3	C	A	
Y 001848	H5	1.746	19.6	17.9-24.8	16.9	15.8-18.4	C	A	
Y 001850	H5	0.678	19.9	18.6-25.3	17.2	15.8-21.8	B	A	
Y 001851	H5	1.229	19.6	18.4-23.8	17.0	16.1-19.5	B	A	
Y 001852	H5	0.671	19.3	17.7-21.3	17.3	15.8-21.9	B/C	A	
Y 001853	H5	1.360	19.4	17.3-24.5	17.3	16.0-19.3	C	A	
Y 001854	H5	2.479	19.3	18.3-24.1	16.8	15.5-19.5	B/C	A	
Y 001856	H5	1.283	19.3	18.4-20.6	16.6	15.2-18.8	C	A	
Y 001857	H5	2.181	19.3	18.4-22.0	17.2	15.2-20.5	B	A	
Y 001863	L3	2.471	24.7	23.1-26.8	20.4	14.7-22.9	B	A	Melt breccia
Y 001865	L5	1.140	25.6	23.6-29.4	21.7	20.5-24.4	C	A	
Y 001866	L5	1.758	25.3	24.0-29.1	20.9	18.4-22.5	A/B	A	
Y 001868	H5	1.366	20.0	18.6-22.7	17.2	16.3-19.0	C	A	
Y 001870	H5	2.455	19.7	18.3-22.8	17.4	15.8-18.9	B/C	A	
Y 001871	L5	0.729	25.5	24.6-29.0	21.8	20.5-24.0	B/C	A	
Y 001873	H5	1.166	18.8	17.4-23.8	16.5	14.7-19.8	A	A	
Y 001875	L6	1.340	25.8	24.0-28.9	21.2	20.0-22.3	A	A	Darkened

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001879	H4	2.990	19.6	18.1-23.7	17.3	15.7-21.6	A	A/B	
Y 001880	H4	2.261	19.7	18.8-23.3	17.5	16.3-19.8	B	A	
Y 001881	H4	0.747	19.2	17.7-21.6	16.8	16.2-19.4	A	A	
Y 001882	H4	1.355	19.3	18.4-21.6	17.0	15.9-18.6	A	A	
Y 001885	H4	1.604	19.3	17.1-23.2	17.0	16.1-19.1	A	A	
Y 001886	H4	0.751	19.4	18.1-21.1	16.7	15.6-17.6	B	A	
Y 001887	H4	1.078	19.5	18.4-21.0	17.2	14.6-21.2	A	A	
Y 001888	H4	1.136	19.6	18.2-24.1	17.0	15.5-19.9	A	A	
Y 001889	H4	0.993	19.2	17.9-21.0	17.1	15.9-18.2	B	A	
Y 001890	H4	1.214	20.1	18.7-23.5	17.1	14.8-21.1	B	A	
Y 001892	H4	1.573	19.5	18.2-21.6	17.6	16.1-27.2	A	A	
Y 001893	H4	2.113	19.3	17.7-23.2	17.4	16.0-19.9	A	A	
Y 001894	H4	1.187	19.3	16.5-23.5	17.4	15.6-20.2	B	A	
Y 001895	H4	1.427	19.4	18.6-21.2	17.1	15.9-18.3	B	A	
Y 001896	H4	1.019	19.1	18.1-21.1	16.5	15.5-17.9	A	A/B	
Y 001897	H5	2.165	18.9	17.5-19.5	16.5	15.8-17.2	B	A	
Y 001899	H4	1.605	18.3	17.3-19.7	16.1	15.0-18.2	B	A	
Y 001900	H4	2.027	18.5	17.9-20.0	16.4	14.2-21.1	A	A	
Y 001902	H4	2.972	19.3	18.5-21.0	16.2	13.5-18.8	B	A	
Y 001903	H4	2.800	18.7	9.0-27.0	15.7	1.4-22.9	A	A	
Y 001905	H4	2.648	19.2	14.0-22.5	16.0	8.7-19.9	A	A	
Y 001907	H4	1.472	19.2	17.2-21.4	16.7	15.0-19.1	A	A/B	
Y 001908	H4	2.074	19.3	17.9-20.8	16.8	13.9-19.6	B	A	
Y 001910	CM	0.802	4.5	0.4-29.6	3.0	0.7-7.2	B	A	
Y 001911	L6	1.251	25.1	23.9-26.9	21.4	20.1-24.1	B	A	
Y 001912	H4	1.070	19.0	17.8-20.9	17.4	16.0-20.1	B	A	
Y 001914	H4	1.370	19.3	17.9-21.1	16.8	15.9-18.2	B	A	
Y 001919	H4	0.758	19.4	17.7-21.9	17.1	15.6-20.0	B	A	
Y 001920	H4	0.631	19.9	18.1-23.6	17.0	15.8-20.7	B	A	
Y 001922	L6	1.441	25.2	24.0-28.2	21.1	19.4-22.5	B	A	Maskelynite
Y 001923	H5	1.108	19.3	18.3-20.5	17.4	16.2-22.0	B/C	A	
Y 001924	H4	1.405	19.9	17.9-23.5	17.1	16.0-18.3	B	A	
Y 001925	H4	0.491	19.1	18.0-20.7	17.0	15.5-19.1	B/C	A	
Y 001926	H5	1.604	19.6	17.9-23.1	17.1	16.1-19.4	B	A/B	
Y 001927	H5	0.847	19.4	18.4-22.3	17.0	15.9-21.2	B/C	A	
Y 001928	H5	0.847	19.2	18.5-20.7	16.8	15.9-19.0	C	A	
Y 001929	H5	1.131	19.3	18.6-22.1	16.3	14.0-18.1	B/C	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001930	H5	2.684	19.5	18.2-21.2	17.2	16.1-19.3	B/C	A	
Y 001932	H5	0.492	19.5	18.8-21.4	17.6	15.9-20.4	B/C	A	
Y 001933	H5	1.595	19.5	17.4-21.5	16.7	14.8-18.7	C	A	
Y 001934	H5	2.213	19.3	18.1-23.5	17.3	15.9-20.1	B/C	A	
Y 001935	H5	1.099	19.9	17.8-21.6	17.4	15.5-20.6	B	A	
Y 001936	H5	1.031	19.1	17.9-20.7	16.8	15.8-19.3	B/C	A	
Y 001937	H5	0.768	19.0	17.9-19.8	17.0	16.0-19.4	B	A	
Y 001938	H5	1.161	19.4	17.8-22.1	17.0	15.1-20.2	C	A	
Y 001939	H4	2.315	20.0	17.8-26.5	16.7	15.1-19.1	C	A	
Y 001940	H5	1.375	19.5	18.2-23.7	17.1	16.0-20.0	C	A	
Y 001941	H5	1.177	20.2	17.8-30.9	17.1	15.3-20.6	B/C	A	
Y 001942	H4	0.898	19.7	18.3-21.6	16.8	15.4-18.7	B/C	A	
Y 001943	H5	1.325	19.4	18.2-20.9	17.3	15.8-20.8	B/C	A	
Y 001944	H5	2.143	19.4	17.6-21.0	17.7	16.3-21.1	C	A	
Y 001945	H4	1.191	19.9	18.8-22.9	17.3	16.2-19.8	B/C	A	
Y 001947	H5	1.554	19.8	18.7-25.7	17.2	16.0-20.3	B	A	
Y 001948	H5	2.557	19.5	18.2-23.9	17.3	16.6-20.0	C	A	
Y 001950	H5	0.955	19.9	18.6-22.1	17.3	16.2-20.9	B/C	A	
Y 001956	H6	2.206	20.1	19.2-20.7	17.6	16.3-19.1	B/C	A	
Y 001957	H5	1.722	19.5	18.5-21.0	17.4	16.1-22.6	C	A	
Y 001958	L5	1.382	26.0	24.5-30.1	21.3	19.8-22.9	B	A	
Y 001959	H4	1.418	19.5	18.7-21.6	17.1	16.4-18.4	A	A	
Y 001962	H5	0.956	19.9	17.7-24.7	16.9	15.4-18.2	B	A	
Y 001965	H5	1.403	19.7	18.3-22.5	17.1	16.0-18.5	A	A	
Y 001968	H4	2.125	19.3	18.3-22.5	17.2	16.3-20.3	A	A	
Y 001972	H5	1.838	19.5	18.5-22.3	16.9	16.1-18.5	B	A	
Y 001973	L6	2.615	25.5	24.2-27.8	21.1	20.3-23.0	A	A	
Y 001974	L6	2.879	25.2	23.8-26.5	21.9	19.0-24.3	A	A	Shock vein
Y 001976	CM	1.313	8.2	0.3-52.7	1.1	0.7-1.7	A	A	
Y 001980	L6	1.605	25.4	24.0-26.4	21.4	21.0-22.4	A	A/B	
Y 001981	L6	1.250	25.6	23.7-27.8	22.5	21.4-23.8	A	A	
Y 001982	L6	0.755	25.8	24.1-28.6	21.3	19.9-22.2	A	A	
Y 001985	H4	0.905	19.6	18.2-22.6	16.6	15.4-17.3	B	A	
Y 001986	H4	1.613	19.5	18.0-20.6	17.3	15.5-18.7	B	A	
Y 001987	H4	2.737	19.4	18.6-22.8	17.1	15.2-19.0	B	A	
Y 001988	H4	1.755	19.8	18.1-24.8	16.9	14.6-19.6	A	A	
Y 001990	H5	1.070	19.3	17.9-21.1	17.1	16.0-20.7	B	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 001992	H5	1.433	19.5	17.7-22.5	16.6	8.2-20.3	B	A	
Y 001993	H4	2.599	18.1	14.3-19.2	14.6	4.1-24.2	A	A	
Y 001994	H4	1.035	18.9	17.1-22.8	18.2	11.8-26.2	B	A	
Y 001995	H5	1.730	18.9	17.6-23.7	17.9	15.1-28.5	B	A	
Y 001996	H5	1.433	19.1	17.1-21.9	17.0	15.1-19.0	B	A/B	
Y 001998	L6	0.719	25.2	24.2-27.6	21.6	19.9-26.4	B	A	
Y 001999	H5	2.440	19.1	17.3-21.0	16.7	15.1-18.2	B	A	
Y 002002	H4	1.749	17.8	3.6-21.1	16.1	5.8-19.6	B	A	
Y 002004	H4	1.124	19.0	17.0-21.2	16.5	14.7-18.9	B	A	
Y 002005	H5	0.720	19.6	18.3-21.6	17.2	15.8-20.5	A	A	
Y 002010	L5	1.287	25.4	24.5-28.4	22.3	20.5-25.0	A	A	
Y 002011	H5	1.010	18.9	17.6-23.6	16.6	15.3-17.5	B	A	
Y 002013	H5	1.863	19.4	18.1-22.0	17.3	15.5-21.3	A	A	
Y 002014	H5	1.824	19.6	18.4-23.7	17.2	16.0-20.8	B	A	
Y 002015	H4	2.311	20.6	17.6-44.1	17.3	14.9-23.3	B	A	
Y 002016	H4	1.703	19.3	18.0-22.4	16.5	14.7-19.6	A	A	
Y 002018	L6	1.672	25.0	22.0-27.0	21.1	19.4-22.5	B	A	
Y 002019	H4	2.746	18.3	17.0-26.7	13.7	5.1-22.0	C	A	
Y 002020	H4	1.138	19.2	17.9-21.1	17.2	14.9-19.3	B	A	
Y 002021	H4	0.916	18.0	9.0-19.9	15.6	9.9-19.0	A	A	
Y 002022	H4	1.281	19.5	18.0-21.4	17.2	15.6-19.8	A	A	
Y 002023	H5	0.976	19.2	18.3-22.5	16.9	15.6-17.9	A	A	
Y 002024	H5	1.570	19.1	17.6-20.4	16.9	16.0-17.8	B	A	
Y 002025	H4	1.181	19.3	18.3-21.2	16.9	15.4-20.3	B	A	
Y 002026	H4	1.723	19.1	18.0-21.6	17.4	16.2-20.4	A	A	
Y 002027	H4	1.737	19.2	18.0-22.0	17.0	15.7-19.1	B	A	
Y 002028	H4	1.143	19.0	18.4-19.7	17.1	15.9-19.8	B	A	
Y 002029	H4	1.118	20.0	18.9-21.0	17.6	16.6-19.0	B	A	
Y 002030	H4	0.654	19.2	18.4-20.3	17.1	16.0-19.7	B	A	
Y 002031	H4	0.688	20.0	19.0-22.9	17.5	15.5-20.7	A	A	
Y 002032	H4	0.868	19.2	18.0-21.4	16.9	15.8-19.1	A	A	
Y 002033	H4	0.794	19.1	18.1-20.9	16.8	15.6-18.1	B	A	
Y 002034	H4	0.832	19.3	18.3-19.9	16.7	15.5-17.8	A	A	
Y 002036	H4	0.963	19.6	18.8-21.9	17.3	16.2-19.3	B	A	
Y 002038	H5	2.299	19.2	18.0-20.9	17.1	15.5-19.3	B	A	
Y 002040	H4	0.858	19.4	18.4-22.9	16.7	15.0-18.0	B	A	
Y 002041	H5	0.671	19.6	18.1-22.1	17.3	15.6-19.9	B	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002044	H5	1.874	18.5	17.2-21.3	16.4	15.7-17.5	B	A	
Y 002045	L5	0.626	25.5	24.3-28.2	21.2	20.8-21.8	B	A	
Y 002046	L6	1.619	25.3	22.7-26.9	21.1	20.4-21.7	B	A	
Y 002047	H5	0.865	19.1	17.7-20.6	16.8	15.9-18.5	B	A	Shock vein
Y 002050	H5	1.502	19.1	17.6-20.6	16.8	15.8-19.0	B	A	
Y 002051	H4	1.299	19.1	18.0-20.3	17.2	15.0-20.8	B	A	
Y 002058	H5	1.025	19.2	17.9-22.7	16.4	15.1-17.8	C	A	
Y 002059	L6	2.736	25.5	24.1-27.4	21.3	19.9-23.3	B	A	Maskelynite
Y 002060	H5	0.478	19.3	18.4-21.1	17.4	15.6-23.1	C	A	
Y 002061	H5	0.915	19.3	17.6-21.9	16.5	15.5-17.8	C	A	
Y 002062	H5	2.462	19.4	18.3-21.1	17.1	16.1-19.8	C	A	
Y 002064	H5	1.702	19.3	18.3-21.9	17.5	15.4-20.8	B/C	A	
Y 002068	L5	1.505	24.5	23.5-27.3	21.0	19.1-25.4	B/C	A	Breccia
Y 002073	H4	1.872	19.6	18.2-21.4	17.0	15.4-18.6	B/C	A	
Y 002078	H5	1.587	19.0	18.3-19.7	16.7	15.2-17.5	C	A	
Y 002079	H6	2.177	19.6	18.9-22.9	17.3	15.8-20.5	B	A	
Y 002085	L6	1.479	25.2	23.9-27.4	21.3	19.3-25.0	B	A	Shock vein, maskelynite
Y 002086	L6	1.799	26.1	24.6-32.0	21.7	20.2-23.5	B/C	A	Breccia
Y 002094	H5	1.254	19.4	18.4-22.4	17.3	15.7-19.5	C	A/B	
Y 002095	H5	0.665	19.5	17.8-23.4	17.2	15.5-20.6	C	A	
Y 002100	H4	1.759	17.9	16.9-19.1	16.1	15.3-17.2	C	A	
Y 002104	H5	2.327	19.2	16.8-22.5	16.6	14.0-19.7	B/C	A	
Y 002106	H5	0.733	19.4	18.3-23.4	17.3	16.0-21.3	B/C	A/B	
Y 002107	H5	1.231	19.6	18.5-22.5	17.5	14.9-22.9	C	A	
Y 002109	H5	0.666	19.5	18.3-22.6	17.4	15.9-19.5	C	A/B	Shock vein
Y 002111	H5	0.850	19.1	17.3-22.0	17.5	15.8-20.2	B/C	A/B	
Y 002112	H5	1.501	18.9	17.8-20.5	16.7	14.4-18.5	C	A	
Y 002113	H5	1.283	19.9	17.9-24.4	17.2	15.7-19.5	C	A	
Y 002114	H5	1.321	19.3	18.4-20.5	17.4	16.3-19.9	C	A	
Y 002115	H5	1.166	19.4	18.2-21.0	17.2	15.9-20.5	B/C	A	
Y 002117	H5	0.674	19.5	18.2-21.1	17.0	15.8-19.6	B/C	A	Shock vein
Y 002118	H5	0.859	19.4	18.6-21.1	17.4	16.2-21.2	B	A	
Y 002119	H5	1.408	19.3	18.3-21.1	16.8	16.0-17.9	C	A	
Y 002120	H5	1.188	19.4	18.2-21.3	16.9	15.7-18.5	C	A/B	
Y 002121	H5	0.898	19.6	17.7-22.4	17.1	14.7-20.0	C	A	
Y 002133	H5	2.555	20.0	18.6-23.6	17.4	16.1-19.7	B/C	A	
Y 002138	H5	2.048	20.1	18.8-25.4	17.6	15.4-21.1	B/C	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002139	L5	1.126	23.1	22.2-24.7	20.0	18.6-22.3	B/C	A	
Y 002142	H4	1.210	18.9	17.5-21.6	16.8	15.5-20.0	B/C	A	
Y 002144	L5	1.998	25.4	24.5-26.7	21.3	19.9-22.3	B	A	
Y 002147	L4	2.161	24.3	23.3-26.7	20.6	19.0-24.7	B/C	A	
Y 002148	L4	1.487	24.5	23.0-27.6	20.5	17.0-24.6	B	A	
Y 002149	L4	1.189	24.8	21.1-28.1	19.5	16.1-24.6	C	A	
Y 002153	H3	2.051	18.9	17.3-22.7	13.8	7.1-25.6	B	A	
Y 002169	H5	2.059	19.6	18.1-21.7	17.1	16.5-17.9	B	A/B	
Y 002171	H5	1.893	18.5	16.8-21.9	16.6	15.9-18.4	B	A	
Y 002173	H4	2.698	19.0	17.2-26.5	14.9	3.7-18.4	B	A	Breccia
Y 002177	L6	1.789	25.2	24.1-26.4	21.4	20.0-23.0	A/B	A	Melt breccia
Y 002178	H5	1.495	19.7	17.6-23.9	17.0	15.5-17.9	B/C	A	
Y 002179	H5	0.966	19.7	18.0-22.8	17.5	15.8-22.0	B/C	A	
Y 002181	H5	2.944	19.7	18.4-23.7	17.4	16.0-19.7	B/C	A	
Y 002182	L6	1.336	25.4	22.7-26.8	21.2	19.8-21.6	B	A	Maskelynite, shock vein
Y 002183	H5	0.739	19.4	18.3-21.6	16.8	15.1-19.9	B	A	
Y 002184	H	0.681	20.5	19.2-24.1	17.3	15.3-19.2	C	A	Melt breccia
Y 002185	H5	2.363	19.5	17.7-21.5	17.0	15.6-18.8	B	A	
Y 002186	H5	2.104	19.3	18.5-21.2	17.3	14.8-21.6	B/C	A	
Y 002187	H5	0.930	19.6	18.1-24.6	17.2	15.8-19.6	B	A	Shock vein
Y 002188	H4	1.895	19.6	18.4-21.5	17.2	15.3-19.4	B	A	
Y 002190	H5	0.728	19.4	18.5-20.6	17.2	15.9-19.8	B/C	A/B	
Y 002191	H5	0.828	19.4	18.1-22.8	16.8	15.8-17.5	B	A/B	
Y 002193	H5	1.467	19.3	18.0-21.8	16.9	16.2-17.8	B/C	A	
Y 002194	L6	1.321	25.3	23.7-27.6	21.1	20.2-21.7	A/B	A	
Y 002195	H5	1.917	20.1	18.7-22.8	17.4	15.8-20.5	B/C	A	
Y 002196	H5	2.018	20.2	18.3-23.3	17.3	15.4-20.3	B	A	
Y 002198	L4	2.781	23.1	22.1-24.3	20.0	18.7-22.4	A	A	
Y 002200	L5	2.228	23.2	22.5-24.8	19.9	18.8-21.2	A	A	
Y 002208	H5	2.418	19.6	18.2-20.6	17.7	16.6-20.1	B	A	
Y 002216	H5	2.894	19.9	18.6-23.9	17.5	15.4-19.1	B/C	A	
Y 002226	H4	1.658	19.5	17.2-21.6	17.5	13.4-20.6	B	A	
Y 002229	H5	0.507	19.9	18.5-24.6	17.0	15.4-19.8	B	A	
Y 002230	H5	0.662	20.1	19.1-23.5	17.5	16.4-19.7	B	A	
Y 002233	H6	1.832	19.2	18.0-24.5	16.8	15.7-18.9	B	A	
Y 002237	L6	0.900	25.6	24.1-26.8	21.6	20.6-22.7	B/C	A	
Y 002238	L6	2.240	26.1	24.7-28.3	22.0	20.8-25.2	A/B	A	Maskelynite, shock vein

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002239	L6	2.701	25.9	24.7-28.1	21.7	20.1-24.0	A/B	A	Maskelynite, shock vein
Y 002240	L6	0.572	25.9	25.0-27.1	21.8	21.0-24.9	A/B	A	Maskelynite
Y 002241	L6	2.338	25.9	24.1-27.6	22.2	20.9-27.5	B	A	Maskelynite, shock vein
Y 002249	H5	2.145	19.9	18.7-22.9	17.1	15.4-19.8	B	A	
Y 002250	H3	2.280	19.6	17.9-25.6	16.4	5.3-35.4	B/C	A	
Y 002252	CR	1.628	3.8	0.7-13.7	1.9	0.7-6.1	A/B	A	
Y 002254	H4	2.185	18.7	13.4-21.8	17.1	5.8-22.9	B	A	
Y 002255	H6	2.649	19.0	17.2-21.3	17.1	15.4-18.3	B/C	A	
Y 002262	H5	1.701	19.5	18.6-21.9	17.9	15.2-21.8	B/C	A	
Y 002266	L6	0.799	25.7	24.9-27.9	22.5	20.6-26.9	B	A	Maskelynite, shock vein
Y 002268	H5	0.900	18.9	17.9-19.7	16.7	16.3-17.5	B/C	A	
Y 002269	H5	2.553	19.2	17.9-22.5	17.0	15.3-20.8	B/C	A	
Y 002273	H5	0.938	19.9	18.7-24.0	17.4	15.6-20.7	B	A	
Y 002274	H5	1.020	19.6	18.6-21.8	17.5	15.5-19.3	B	A	
Y 002275	H5	2.023	19.7	18.1-21.2	17.6	16.3-19.4	B	A	
Y 002276	H5	1.068	19.8	18.6-24.9	17.0	15.8-18.9	B/C	A	
Y 002277	H5	0.535	19.8	18.8-20.7	17.6	16.0-21.4	B	A	
Y 002278	H5	0.458	19.3	18.2-21.0	17.0	15.7-19.0	B/C	A	
Y 002279	H5	0.726	19.6	18.3-21.8	16.3	14.4-17.6	B	A	
Y 002280	H4	2.921	19.3	18.5-20.4	17.2	15.9-19.8	B/C	A	
Y 002281	H4	1.834	19.6	18.6-22.0	17.1	15.8-19.7	B/C	A	
Y 002282	H5	1.699	19.3	17.6-21.9	17.2	15.4-19.8	B	A	
Y 002285	H5	1.071	19.3	18.1-21.6	17.2	15.7-20.1	B	A	
Y 002286	H4	1.164	19.8	19.0-21.4	17.2	14.4-22.4	B/C	A	
Y 002287	H5	2.275	19.6	18.2-22.1	17.3	16.1-19.9	B	A	
Y 002288	H4	1.882	19.7	18.2-22.4	16.9	16.3-18.0	B	A	
Y 002289	H4	0.825	19.4	18.4-22.9	16.8	16.0-17.8	B/C	A	
Y 002290	H5	1.014	19.4	18.2-22.1	17.0	15.5-20.1	B	A	
Y 002291	H4	1.790	19.5	18.9-20.7	16.9	15.5-18.4	B/C	A	
Y 002292	L6	2.937	25.5	24.7-26.8	21.3	20.7-22.1	B	A	Maskelynite
Y 002297	H5	2.189	19.1	18.1-20.2	16.6	14.6-17.8	C	A	
Y 002299	Euc	1.279			62.3	60.8-63.9	-	A	Unbrecciated, An87.5-90.1
Y 002300	H4	0.487	19.2	17.8-21.7	17.0	14.6-22.9	B	A	
Y 002301	H4	1.149	19.9	18.4-21.4	17.6	16.1-19.4	B/C	A	
Y 002302	H5	0.520	19.4	18.1-22.3	16.8	15.5-17.8	B	A	
Y 002303	H5	2.731	19.2	17.5-20.7	17.3	15.8-19.2	B	A	
Y 002304	L6	2.363	25.7	24.7-28.4	21.4	20.7-22.6	B	A	Maskelynite, shock vein

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002305	H4	0.733	18.8	16.4-24.1	16.0	12.0-18.3	B	A	
Y 002306	H4	2.186	19.3	17.6-20.8	17.1	16.1-19.0	B	A	
Y 002307	H6	1.151	18.8	18.0-20.1	17.3	15.6-22.0	B/C	A	
Y 002312	H4	1.371	19.5	18.4-21.8	17.2	15.7-19.8	B/C	A	
Y 002319	H4	0.394	19.3	18.4-21.5	16.8	15.4-18.3	A/B	A	
Y 002324	L6	1.181	25.7	24.4-28.1	21.7	20.7-23.8	B/C	A	
Y 002325	H5	1.606	18.3	17.2-20.2	16.9	15.1-19.1	B	A	
Y 002326	L6	2.066	25.4	24.1-27.4	22.0	20.8-26.9	B/C	A	Maskelynite, shock vein
Y 002328	L6	0.660	25.5	23.3-28.2	21.4	20.1-22.9	A/B	A	
Y 002330	H4	0.910	19.6	18.5-21.1	17.1	16.1-19.5	B/C	A	
Y 002331	H6	1.550	20.5	19.7-22.2	18.2	16.8-21.4	A/B	A	
Y 002332	H6	2.356	20.2	19.1-22.7	17.8	16.7-19.9	B/C	A	
Y 002333	H6	1.322	20.1	19.1-21.0	17.7	16.1-18.6	B	A	Darkened
Y 002337	H6	1.046	20.1	18.8-22.0	17.3	16.5-18.4	B/C	A	Darkened
Y 002340	H5	0.673	19.9	18.3-22.8	17.3	16.1-19.3	B	A	
Y 002351	H5	1.432	20.0	18.8-22.7	17.3	16.2-18.5	B/C	A	
Y 002353	H5	1.062	20.1	18.7-22.0	17.6	16.2-19.9	B	A	
Y 002357	H5	0.771	19.2	18.0-19.9	16.8	15.9-17.5	B	A	
Y 002363	H3-4	0.640	20.1	19.2-22.5	17.4	15.8-18.8	B	A	Genomict breccia
Y 002367	H5	2.371	20.3	18.7-21.3	18.0	15.8-20.1	B	A	Shock vein
Y 002368	H5	2.113	19.2	18.4-20.2	16.9	15.3-19.1	B	A	
Y 002371	EL4	1.916	0.1	0.1-0.1	0.8	0.0-3.1	C	A/B	Si in kamacite = 0.19-0.22 wt%
Y 002372	H5	1.324	19.1	18.1-20.9	17.3	16.0-18.7	C	A	Shock vein
Y 002373	L6	1.123	25.6	24.4-27.4	21.2	20.6-21.6	B/C	A	
Y 002375	H4	0.700	19.2	18.3-20.7	17.2	16.2-18.9	B	A	
Y 002377	H3	2.099	18.8	10.3-25.5	15.3	3.9-32.7	B/C	A	
Y 002378	H3	0.584	18.5	17.2-23.1	17.0	11.0-28.1	C	A	
Y 002380	H6	2.996	19.0	17.7-21.0	17.1	15.1-20.0	C	A	
Y 002381	H5	2.825	19.3	17.8-22.3	17.2	16.2-21.3	B	A	
Y 002383	H6	1.628	20.2	19.2-21.3	17.7	16.7-19.2	A/B	A/B	
Y 002384	L6	1.010	26.0	25.0-28.6	21.9	21.2-23.5	B	A	
Y 002385	H4	1.873	17.2	11.9-19.9	15.2	6.4-23.0	A/B	A	Shock vein
Y 002386	L5	2.001	24.6	23.9-25.4	21.6	20.3-24.7	B	A	
Y 002390	H5	1.134	19.2	17.7-20.6	17.5	16.3-21.0	B/C	A	
Y 002391	L3	1.166	25.9	4.8-33.8	12.6	4.3-27.0	B	A	
Y 002395	H5	0.728	19.2	18.2-20.1	16.9	15.8-17.9	A/B	A	
Y 002398	H5	0.795	19.0	18.2-21.3	17.0	16.0-19.7	B	A/B	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002399	H6	2.456	18.6	18.0-19.6	16.6	15.9-18.5	B	A/B	
Y 002400	H5	2.411	18.8	17.6-20.2	16.7	15.5-18.4	B	A	
Y 002401	H6	2.403	19.1	17.8-19.9	16.8	16.1-17.9	C	A	
Y 002408	H5	1.369	18.8	17.9-20.0	16.6	15.3-18.2	C	A	
Y 002412	L5	1.319	25.2	24.2-26.4	21.7	19.2-24.7	A	A	
Y 002415	L6	0.855	25.2	23.5-26.3	21.4	20.1-23.6	A/B	A	Maskelynite
Y 002419	H3-4	2.552	18.5	17.7-21.4	15.8	2.0-18.6	C	A	Genomict breccia
Y 002420	L6	2.680	25.9	24.6-29.5	21.8	19.7-24.4	B	A	
Y 002422	H6	2.025	19.3	18.2-20.3	16.7	15.8-17.4	C	A	
Y 002427	H4	1.309	16.9	16.1-18.1	15.3	14.2-19.2	B	A	
Y 002428	H5	1.184	18.6	17.1-19.5	16.4	15.3-17.2	C	A	
Y 002434	L6	1.325	25.9	24.9-27.9	22.1	21.4-23.6	B	A	Mostly metal
Y 002438	H4	1.754	18.2	16.8-22.6	16.0	15.1-17.6	B	A	
Y 002443	L6	1.270	25.1	24.1-26.5	21.1	20.0-22.0	B	A	Shock vein
Y 002456	L6	2.358	25.1	24.3-25.8	21.2	18.9-24.0	B	A	Darkened
Y 002458	L6	1.465	25.2	24.2-26.6	21.0	20.0-22.5	B	A	Shock vein
Y 002460	L6	1.837	25.2	23.9-26.5	20.8	20.0-21.5	B	A	Shock vein
Y 002461	L6	0.902	25.2	24.1-27.0	21.0	20.2-23.5	B	A	Shock vein
Y 002462	L6	1.895	25.6	24.1-28.9	21.6	20.7-24.2	B	A	Shock vein
Y 002464	L6	0.779	25.1	23.7-27.9	21.1	20.3-22.7	B	A	
Y 002467	L6	1.284	25.1	22.8-27.2	21.0	19.9-22.4	B	A	Shock vein
Y 002468	L6	0.901	25.2	23.9-27.2	20.8	19.4-22.5	B	A	Shock vein
Y 002469	L6	1.262	25.1	24.2-26.3	21.0	19.7-22.6	B	A/B	Shock vein
Y 002471	L6	2.244	24.9	23.7-26.1	20.9	19.3-23.2	B	A	Shock vein
Y 002472	H4	1.304	18.6	17.0-20.0	16.1	14.5-17.7	C	A	
Y 002488	H4-5	2.688	20.1	19.0-21.6	17.3	16.1-20.4	C	A	Genomict breccia
Y 002489	H4-5	2.213	20.0	17.8-23.4	17.1	16.5-17.6	C	A	Genomict breccia
Y 002494	H5	2.822	19.9	19.1-20.5	17.2	15.8-19.3	C	A	
Y 002498	H4	1.166	18.2	16.9-19.8	16.7	14.9-20.0	B	A	
Y 002499	H4	1.851	18.0	17.0-19.0	16.6	14.9-21.2	B	A	
Y 002501	H4	0.885	18.5	17.3-22.2	16.8	15.4-22.0	B	A	
Y 002513	H4	2.009	19.2	18.2-22.0	16.9	15.6-18.6	C	A	
Y 002527	H4	1.851	18.9	17.7-19.9	16.8	15.9-18.2	C	A/B	
Y 002533	H4	1.033	19.1	17.8-22.7	16.7	15.7-19.0	C	A	
Y 002535	H5	2.913	19.4	18.8-20.4	17.0	16.0-19.3	C	A	
Y 002538	CR	0.787	1.6	0.2-3.5	2.4	0.6-5.0	B	A/B	
Y 002539	CR	0.960	1.0	0.2-2.1	2.0	0.6-4.1	B	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002543	H5	1.181	18.6	16.7-23.2	16.6	15.3-17.8	C	A	
Y 002556	H6	2.743	20.0	19.1-21.3	17.2	15.9-18.2	B	A	
Y 002569	H4	1.211	18.3	17.4-19.4	16.0	13.5-17.9	C	A	
Y 002570	H4	0.940	18.2	17.1-20.8	16.1	14.0-17.5	B	A	
Y 002571	H4	1.939	18.4	17.4-20.5	16.3	14.9-17.6	C	A	
Y 002575	L6	2.022	25.1	24.0-26.0	21.1	20.3-21.9	B	A	
Y 002576	H4	1.630	19.3	18.2-20.8	17.0	14.8-20.8	C	A	
Y 002578	L6	2.944	25.0	23.4-27.3	20.9	19.5-22.5	B	A/B	
Y 002581	H6	0.988	19.9	18.1-23.9	17.3	16.1-19.0	C	A	
Y 002582	H4	0.775	19.4	18.0-21.8	16.9	14.3-20.2	C	A	Shock vein
Y 002583	L4	1.178	24.7	24.0-26.3	20.6	19.4-22.4	B	A	
Y 002584	H4	0.725	19.2	18.0-21.1	16.7	15.4-19.3	C	A	
Y 002585	H5	1.546	18.5	17.5-19.2	16.5	15.3-19.5	B	A	
Y 002586	H6	0.619	19.0	18.3-19.6	16.6	15.7-17.4	C	A	
Y 002592	H3	2.717	19.5	9.2-21.4	16.7	7.1-24.2	B	A	
Y 002595	L	1.541	24.6	23.1-26.6	21.2	18.8-24.7	B	A	Darkened
Y 002596	H6	2.682	19.9	18.9-21.9	17.2	16.5-18.5	B	A	
Y 002600	H4	2.448	19.0	18.0-21.3	16.9	15.3-20.1	B	A	
Y 002612	L6	1.149	25.2	24.0-26.8	21.9	20.6-25.1	B	A	
Y 002613	H4	1.705	19.9	9.1-24.9	17.2	5.9-29.2	C	A	Darkened
Y 002615	L6	1.642	25.9	24.8-29.2	21.9	20.1-24.4	B	A	Shock vein
Y 002616	H4	2.900	18.1	16.9-20.6	16.0	13.9-19.3	B	A	
Y 002617	L6	1.440	25.1	23.7-27.9	21.2	20.3-24.4	B	A	Shock vein
Y 002618	L6	1.918	25.2	24.0-29.3	21.4	19.8-24.1	B	A	Shock vein
Y 002619	H4	0.914	18.0	11.6-19.5	16.7	9.9-28.3	B	A	
Y 002623	L6	0.997	25.0	24.1-27.2	21.0	19.8-22.6	B	A/B	Shock vein
Y 002625	H	1.308	19.0	17.1-21.7	16.6	15.6-17.6	C	A/B	Melt breccia
Y 002626	H4	1.749	19.1	18.0-23.6	16.2	14.9-17.3	C	A	
Y 002627	H4	0.920	19.0	18.1-22.3	16.9	15.7-20.4	C	A	
Y 002629	H5	1.241	19.2	17.9-21.3	16.9	15.8-18.3	B	A	
Y 002632	L6	1.141	25.2	23.6-27.8	21.0	20.4-21.5	B	A	
Y 002639	H4	2.885	19.3	17.9-20.8	17.1	14.2-19.8	B	A	Shock vein
Y 002642	H4	0.959	17.9	16.8-20.5	15.9	14.6-17.5	B	A	
Y 002643	H4	2.226	19.0	17.6-21.2	16.6	16.0-17.5	B	A	
Y 002647	H5	0.838	19.5	18.4-20.6	17.3	16.7-19.0	C	A	
Y 002648	L6	0.998	25.1	23.6-27.2	21.2	19.6-23.2	B	A	
Y 002649	H4	1.541	19.3	17.5-22.4	16.9	14.9-19.8	C	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002650	H4	1.263	19.1	17.7-21.2	16.6	15.0-19.9	C	A	
Y 002652	H4	1.722	18.8	17.6-21.2	16.4	15.5-17.2	B	A	
Y 002654	L6	1.955	24.8	23.6-25.9	21.5	19.9-23.9	B	A	
Y 002658	L6	1.946	25.1	23.5-27.9	20.7	20.3-21.0	A	A	
Y 002660	H4	2.987	18.8	17.9-19.9	16.4	15.4-17.4	C	A	
Y 002661	L6	2.465	24.8	23.5-27.1	21.0	20.2-22.1	B	A	
Y 002662	L6	0.983	25.0	23.7-26.2	21.0	19.8-21.6	B	A	
Y 002663	H4	0.779	19.5	17.9-23.0	16.6	15.7-18.7	C	A	
Y 002664	H4	0.591	18.9	18.0-21.8	16.3	14.5-18.3	C	A	
Y 002665	H4	0.781	18.5	17.5-19.4	16.6	15.5-19.6	C	A	
Y 002667	H	0.498	18.9	17.7-20.8	16.5	15.3-17.8	C	A	Darkened
Y 002668	L6	0.795	24.8	23.3-29.2	21.6	19.7-24.9	B	A	Shock vein
Y 002669	H4	0.463	19.0	16.8-35.2	16.3	8.3-37.1	C	A	
Y 002670	H4	0.677	18.0	16.9-21.0	15.9	15.1-18.9	B	A	
Y 002672	L6	0.897	25.1	23.3-26.7	21.5	18.9-23.1	B	A	
Y 002678	H4	1.888	17.9	16.1-21.1	15.7	7.5-19.4	B	A	
Y 002679	H	1.765	19.0	17.6-20.0	16.6	15.1-17.5	B/C	A	Melt breccia, H5 clast
Y 002680	H4	2.673	19.5	17.8-21.4	17.1	16.2-18.0	C	A	
Y 002682	H4	0.559	19.2	17.8-21.5	16.7	15.6-17.9	B	A	
Y 002683	H4	2.964	18.3	17.2-20.2	15.4	13.7-17.7	B	A/B	
Y 002686	H4	1.345	18.5	17.4-21.4	16.2	14.5-17.8	C	A	
Y 002687	H4	2.418	18.4	0.6-32.7	16.5	8.7-24.7	B	A/B	
Y 002688	H4	1.634	18.1	17.1-19.8	16.0	13.5-18.1	B	A	
Y 002692	H4	1.547	19.2	18.3-21.0	16.8	16.2-18.0	C	A	
Y 002695	Ure	1.771	18.2	13.2-20.6			-	A	
Y 002698	H4	0.633	18.3	17.3-20.2	16.1	14.7-18.2	C	A	
Y 002699	LL5	1.137	28.8	27.1-30.0	23.9	23.3-24.7	A	A	
Y 002705	CM	0.420	7.3	0.2-40.5	1.4	0.6-3.1	-	A	
Y 002718	H4	0.921	18.8	18.0-19.9	16.4	14.8-18.5	B	A	
Y 002720	H4	2.318	19.1	18.0-20.8	16.6	14.9-19.2	B	A	
Y 002725	H4	1.856	17.5	9.2-20.7	15.9	13.8-17.3	B	A	
Y 002727	L6	1.241	25.1	24.1-26.9	21.4	20.0-23.2	B	A	
Y 002728	L6	0.740	24.9	23.6-26.4	21.2	20.8-21.7	C	A	Shock vein
Y 002730	H4	1.038	18.2	16.9-21.4	17.2	15.4-20.1	C	A	
Y 002732	L6	0.617	25.0	23.7-26.4	21.3	20.3-22.5	C	A	Melt breccia
Y 002744	H6	0.839	19.9	18.9-22.0	17.1	15.7-19.6	B	A	Shock vein
Y 002748	H4	2.142	18.1	11.3-26.4	15.7	13.3-16.8	B	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002749	H3	2.397	18.1	17.3-19.2	15.8	14.7-16.7	B	A	
Y 002751	Euc	0.185			27.7	20.5-58.8	-	A	An88.3
Y 002752	Euc	0.221		40	28.2	20.2-47.4	-	A	An90.4-94.9
Y 002756	L6	1.098	25.1	23.6-29.1	20.9	19.7-22.6	B	A	
Y 002764	H4	2.574	19.0	18.2-20.9	17.0	15.5-20.2	B	A	
Y 002779	H4	2.329	18.9	17.5-20.7	16.6	15.3-17.4	B	A	
Y 002781	H4	2.047	18.7	17.9-19.7	16.5	15.0-17.7	B	A	
Y 002782	H4	1.511	18.8	17.9-20.4	16.7	15.8-18.2	B	A/B	
Y 002787	H4	1.531	18.6	17.7-19.3	16.1	15.1-16.8	B	A	
Y 002788	H4	1.794	18.9	17.7-21.2	16.6	15.8-18.8	B	A	
Y 002789	H4	0.499	18.9	18.0-20.1	16.7	15.8-18.7	B	A	
Y 002794	H5	1.742	19.0	17.3-22.5	16.9	15.6-21.4	B	A	
Y 002799	H4	1.698	19.2	9.2-22.7	15.9	4.5-34.9	B	A	
Y 002803	E4	0.761			1.4	0.1-7.3	C	A	Si in kamacite = 2.56-3.14 wt%
Y 002806	H4	0.913	18.9	17.8-21.2	16.9	15.7-20.2	B	A	
Y 002814	L	0.958	24.7	20.6-25.7	20.5	15.4-26.7	B	A	Melt breccia
Y 002815	H5	1.666	18.9	17.6-23.8	16.5	14.8-20.6	B	A	
Y 002823	LL5	2.872	29.1	29.1-29.1	31.6	21.0-40.9	B	A	Melt breccia
Y 002827	L6	1.845	25.1	23.9-27.1	21.4	20.4-23.4	B	A	Shock vein
Y 002830	H5	1.259	19.8	18.3-22.0	17.1	15.9-19.8	B	A	
Y 002836	H4	1.549	19.6	17.7-24.8	16.2	11.0-18.4	C	A	Darkened
Y 002837	L4	0.648	23.8	23.1-24.9	20.3	19.4-22.2	B	A	
Y 002838	H	1.533	15.4	4.5-18.9	16.4	5.6-28.1	B	A	Melt breccia
Y 002839	L6	1.907	24.8	23.5-26.4	21.0	20.0-22.5	B	A	Breccia, shock vein
Y 002841	L6	0.351	25.0	23.9-26.2	21.6	19.8-24.9	B	A	
Y 002842	H4	0.804	17.6	6.1-33.5	15.9	11.7-18.9	B	A	
Y 002843	H4	0.515	19.1	17.8-21.0	17.0	16.1-18.5	B	A	
Y 002844	H4	0.688	18.9	17.5-20.8	17.1	15.7-19.6	B	A	
Y 002845	H4	0.767	19.2	17.9-21.6	17.2	15.9-19.8	B	A	
Y 002846	L6	2.042	24.9	23.5-26.5	21.1	20.0-23.0	B	A	Breccia, shock vein
Y 002847	H4	0.741	18.1	17.4-19.1	15.9	14.6-17.4	B	A	
Y 002848	H4	0.827	19.1	17.7-21.6	16.9	15.5-18.6	B	A	
Y 002849	H4	0.442	19.2	18.4-20.5	16.5	15.5-18.3	B	A	
Y 002850	H4	0.611	19.4	18.4-20.1	17.2	15.1-20.3	B	A	
Y 002853	H4	2.657	17.9	17.1-19.2	15.9	15.4-16.6	C	A	
Y 002854	H4	1.265	18.2	9.3-23.9	16.5	9.9-31.5	B	A	
Y 002856	H4	1.681	18.5	17.3-19.7	16.2	11.8-24.5	C	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
Y 002857	H4	1.708	19.2	18.4-20.5	16.9	15.1-19.5	B	A	
Y 002858	H4	1.159	19.1	18.3-20.2	16.5	15.1-18.0	B	A	
Y 002860	H4	1.609	19.1	17.8-20.9	16.7	15.4-18.7	B	A	
Y 002861	H4	1.022	18.9	18.1-19.8	16.9	15.2-20.9	B	A	
Y 002862	H4	0.456	19.0	18.3-19.8	16.6	15.5-18.5	C	A	
Y 002863	H4	0.676	19.0	17.7-22.9	17.0	15.9-19.2	B	A	
Y 002864	H4	0.709	19.0	18.2-23.7	17.2	15.7-19.8	B	A/B	
Y 002865	H4	0.897	19.2	18.1-20.7	16.9	15.3-20.5	B	A	
Y 002866	H4	1.414	19.2	18.3-21.5	17.2	15.7-20.3	B	A	
Y 002867	LL	0.451	30.1	28.8-31.8	24.8	21.9-26.1	A	A	Recrystallized breccia
Y 002868	H4	2.440	19.3	18.3-21.2	16.6	15.5-18.2	B	A	
Y 002869	H4	1.364	19.1	18.3-20.3	16.9	14.7-20.5	B	A	
Y 002870	H4	1.834	19.1	18.3-21.5	16.9	16.2-19.0	B	A	
Y 002871	H4	1.243	18.9	17.4-19.5	16.8	15.7-18.1	B	A	
Y 002872	H4	1.740	19.1	18.0-21.5	16.7	15.6-19.1	B	A	
Y 002873	H4	1.928	19.1	18.6-21.4	16.6	15.7-18.2	B	A	
Y 002887	H4	2.412	17.2	3.3-19.3	15.6	6.9-21.2	B	A/B	
Y 002888	H6	2.283	19.6	18.4-21.5	17.2	16.3-17.7	B	A	
Y 002890	H4	2.669	18.7	17.3-19.8	16.0	9.9-19.1	B	A	
Y 002891	L6	2.982	25.3	23.9-27.2	21.5	20.6-23.7	B	A	Shock vein
Y 002894	L5	1.972	25.2	24.1-26.4	21.7	20.5-25.3	B	A	Shock vein
Y 002895	How	2.308			32.6	24.9-40.1	-	A	An84.4-91.8
Y 002897	L6	0.961	25.3	24.0-27.6	21.3	20.5-22.7	A	A	Shock vein
Y 002899	L6	2.619	25.3	24.5-28.5	21.4	20.4-23.6	B	A	Shock vein
Y 002901	L6	2.480	25.3	24.5-26.5	21.9	20.9-23.5	B	A	Shock vein
Y 002902	L6	0.907	25.1	24.2-25.7	21.9	20.1-25.3	B	A	Shock vein
Y 002904	H4	2.154	19.0	18.0-21.2	16.7	15.8-18.2	B	A	
Y 002905	H4	1.488	19.0	18.1-21.6	16.8	15.6-18.6	B	A	
Y 002906	H4	1.059	20.1	18.4-32.0	16.8	15.9-18.8	B	A	Shock vein
Y 002907	H5	0.661	19.2	18.3-20.9	16.5	15.1-18.3	B	A	
Y 002908	H4	2.072	19.1	18.0-22.3	16.9	16.0-18.0	B	A	
Y 002910	L4	2.713	22.9	21.8-24.8	19.8	18.3-23.1	B	A	
Y 002914	L6	1.708	24.6	24.0-26.3	20.7	19.8-21.5	B	A	Breccia
Y 002915	L4	2.933	25.0	24.0-25.9	21.0	20.1-23.4	B	A	
Y 002918	L3	2.578	22.1	3.7-36.8	17.5	3.8-24.7	B	A	
Y 002922	H4	2.605	19.1	18.0-20.2	16.7	15.9-18.2	B	A	
A 10096	Euc	117.4			58.9	43.8-63.6	-	A	An87.5-94.5, shock melt

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A 10184	Dio	13.72			22.9	21.1-26.2	-	B	
A 12061	H5	48.52	19.3	17.9-20.2	16.9	15.9-17.6	B	A	
A 12071	LL6	14.43	31.1	30.4-31.8	25.4	24.5-26.3	A	B	
A 12072	H3	101.9	20.0	14.8-22.8	16.3	1.0-24.9	A	A/B	Breccia
A 12073	H4	13.91	20.0	18.6-25.8	17.3	13.5-21.6	B	A	Shock vein
A 12074	L6	5.679	25.7	22.9-28.5	22.0	20.1-24.9	A	A	
A 12075	H4	1.818	20.5	17.4-22.4	17.2	10.4-18.9	C	A	
A 12076	LL6	24.64	30.5	29.5-31.4	24.6	24.0-25.2	A	B	
A 12078	H4	39.58	19.8	18.7-21.4	17.9	16.3-21.8	B	A/B	Shock vein, breccia
A 12079	H3	13.67	20.1	15.6-21.5	16.7	3.4-24.0	A	A/B	Breccia
A 12080	LL5	3.877	29.1	28.0-31.5	24.2	22.7-26.7	A	A	
A 12081	EL6	1.175			0.8	0.0-8.8	C	A/B	Si in kamacite = 0.88-1.00 wt%
A 12082	L6	18.19	25.4	24.1-26.3	21.5	20.5-22.2	B	A/B	
A 12083	H4	5.685	20.5	18.8-28.3	17.7	16.0-20.0	B	A	
A 12084	H4	1514.3	18.1	16.6-20.2	15.7	11.2-17.5	B	A/B	
A 12085	CM	9.114	9.2	0.4-50.4	1.9	0.6-5.0	-	B	Shock vein
A 12086	H4	53.63	19.5	18.5-21.6	17.7	16.0-20.7	B	B/C	
A 12087	H4-5	7.249	20.4	19.2-22.4	17.5	14.5-19.5	B	A	Genomict breccia
A 12088	Aca	9.140	10.0	9.2-10.5	9.7	9.0-10.4	A/B	B/C	
A 12089	L6	3.231	25.7	25.0-26.6	21.8	20.6-24.9	A	A	
A 12090	H5	34.57	17.4	16.4-19.4	15.7	14.4-18.1	B	A	
A 12093	H5	0.703	19.5	18.6-20.6	16.9	15.8-18.8	B	A	
A 12094	H3-5	2.719	20.0	18.9-22.0	16.3	3.2-18.9	B	A	Genomict breccia
A 12095	H5	6.225	19.8	18.7-22.0	17.4	15.5-20.7	B	A/B	
A 12096	H5	14.29	18.7	17.7-20.1	16.4	14.5-17.5	C	A/B	Breccia
A 12097	H5	5.175	18.9	16.6-19.9	17.1	16.0-18.5	A/B	A	
A 12098	L6	5.000	25.8	23.9-27.2	22.0	21.0-25.8	A	A	
A 12099	L6	17.14	25.6	24.7-26.2	21.4	20.7-22.0	A	A	
A 12101	H5	112.8	17.8	16.4-19.3	15.9	14.3-17.9	A/B	A	
A 12102	H4	15.94	17.9	17.0-18.5	15.8	4.9-24.5	B	A	
A 12103	H5	151.6	18.3	17.3-21.2	16.5	14.8-18.7	B	A	Breccia
A 12104	H	6.399	20.2	18.9-23.0	17.8	16.5-19.9	B/C	A	
A 12105	H4	1131.5	19.3	17.6-20.4	16.7	15.6-17.9	B	A	
A 12106	L6	17.89	25.2	24.2-27.4	21.5	20.4-24.3	B	A	
A 12107	H3	51.02	19.3	11.8-30.1	16.1	3.7-31.6	B	A/B	
A 12109	H4	129.9	18.7	17.9-19.3	16.7	15.9-19.0	B	A	
A 12110	H5	65.45	19.5	17.9-20.7	17.4	16.0-20.1	C	B	Shock vein

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A 12111	H3	2.639	20.2	17.7-24.5	16.8	13.9-20.0	A	A	
A 12112	H4	5.488	17.5	16.8-18.9	15.9	15.0-16.5	B	A	
A 12113	L6	3.970	25.6	24.0-27.6	21.3	20.3-23.1	A	A	
A 12114	H4	54.17	21.1	19.7-23.8	17.7	16.0-19.3	C	A/B	
A 12115	L4	15.09	24.1	22.3-26.2	20.3	17.0-24.4	A	A	
A 12116	LL	22.91	31.7	30.6-34.2	25.2	24.3-26.2	A	B	
A 12118	H4	38.79	19.1	18.0-21.8	17.0	15.9-18.5	B	A	
A 12119	H4	51.17	18.6	17.7-20.2	16.8	15.5-19.8	B	A/B	Shock vein
A 12120	L5	2.484	24.5	23.2-27.7	20.6	19.9-21.2	B	A/B	
A 12121	CM	15.74	1.9	0.2-31.2			-	B	Heavily altered
A 12122	EL6	23.31			0.3	0.0-1.0	B	A	Si in kamacite = 0.79-0.84 wt%
A 12123	H	5.278	20.6	18.9-23.2	17.4	16.4-19.0	C	A	
A 12124	H5	58.72	19.3	18.4-20.5	16.3	15.1-17.3	B/C	A	
A 12125	H5	7.819	17.6	16.7-19.0	15.8	14.7-16.3	B	A	
A 12126	H5	42.69	20.1	18.5-23.2	17.0	15.5-18.8	B/C	A/B	Breccia
A 12127	LL	2506.1	30.5	26.9-32.4	25.2	21.1-26.5	B	B/C	
A 12128	H5	150.1	18.1	16.8-19.1	15.5	11.3-16.6	C	A	
A 12130	LL4-6	32.21	31.1	28.0-33.4	25.4	22.1-29.8	A	A/B	
A 12131	H5	19.88	18.5	16.6-20.4	16.5	15.4-20.0	B	A	Breccia
A 12132	L6	31.18	25.4	24.4-26.2	21.0	19.9-23.5	A	A/B	
A 12133	H6	43.40	19.3	18.5-20.4	16.8	16.1-17.7	A	A	
A 12134	H5	11.54	20.3	18.7-22.7	18.0	14.5-22.8	B	A	
A 12135	H6	5.855	19.6	18.2-21.1	17.3	16.5-19.6	A	A	
A 12137	H6	23.51	19.6	18.8-20.9	17.2	16.1-19.5	A	A	
A 12139	L4	66.10	24.3	23.2-25.5	20.5	18.6-21.5	A	A	
A 12140	H3-5	40.69	19.7	17.3-24.1	17.0	10.6-22.8	B	A	Genomict breccia
A 12141	L6	48.24	24.9	23.9-26.8	20.5	19.4-21.4	A	A/B	
A 12143	L6	14.76	24.8	23.2-25.7	20.8	19.9-21.3	B	A/B	
A 12145	H5	28.02	19.7	19.0-20.7	17.1	15.8-18.7	B	A	
A 12146	H	14.14	19.6	18.3-20.8	16.6	14.8-18.8	B/C	A	Melt breccia
A 12147	H	7.602	20.2	18.2-23.3	17.5	15.5-20.6	C	A/B	
A 12148	L6	5.640	25.0	23.8-27.1	21.1	19.9-23.8	B	A	
A 12149	H4	32.33	17.6	15.6-18.8	15.6	12.4-18.0	C	A/B	
A 12150	L6	53.26	25.2	24.1-26.5	21.3	20.2-24.8	B	A/B	Shock vein
A 12151	H5	21.94	19.4	17.8-23.0	16.9	15.9-18.8	B	A/B	
A 12152	H5	6.551	18.6	17.7-21.1	16.3	15.1-17.6	B	B	
A 12153	H6	15.45	20.2	18.7-21.5	17.3	15.1-19.8	C	A/B	Shock vein

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A 12155	H4	21.91	19.0	17.9-20.8	17.6	15.7-20.7	A	A	Shock vein
A 12156	H	37.75	20.1	18.8-21.0	17.1	15.6-18.4	C	B	Melt breccia
A 12157	LL4	11.15	27.5	25.8-29.6	22.1	17.8-31.6	C	A/B	
A 12159	H5	32.16	20.5	19.5-22.1	17.7	16.4-20.4	C	A/B	Shock vein
A 12160	L6	10.76	25.2	24.2-26.1	21.2	20.4-22.4	B/C	A/B	
A 12162	H6	29.65	20.6	19.3-23.1	17.4	16.4-20.9	B	B	
A 12163	H5	5.690	18.5	17.4-21.0	16.6	14.5-19.7	C	A/B	
A 12164	H4	26.54	19.9	18.3-22.9	16.8	15.3-18.9	C	A	
A 12165	H4	43.26	18.0	16.9-19.8	16.6	14.5-19.5	C	A	
A 12166	L6	21.40	25.3	23.5-27.4	21.3	20.8-22.5	B	A	Shock vein
A 12167	H5	12.48	18.5	17.5-19.4	16.3	15.3-17.9	C	A	
A 12168	L3	13.78	2.0	0.4-4.9	2.9	1.3-6.8	B	A	
A 12169	CM	2.264	3.8	0.1-32.3	2.5	0.6-6.6	-	A/B	
A 12170	H5-6	7.710	19.1	18.1-22.7	16.7	14.3-19.4	C	A	Genomict breccia
A 12171	H5	33.64	18.6	17.3-19.7	16.3	14.4-18.5	B	A	
A 12173	H6	7.067	19.0	17.9-19.7	16.8	16.0-19.9	C	A	
A 12174	H5	16.09	19.0	18.5-21.2	16.8	15.0-20.8	C	A/B	
A 12175	Ure	6.569	11.7	9.1-12.5	10.5	9.8-10.8	-	A	
A 12176	H4	10.03	18.2	17.0-18.9	16.9	15.2-18.9	B/C	A	
A 12177	LL6	49.66	30.9	29.7-32.5	24.9	22.9-25.8	A/B	B/C	Shock vein
A 12178	H5	28.92	18.3	17.0-19.9	16.4	14.7-18.6	C	A	
A 12179	H5	7.194	19.0	18.4-19.8	16.8	15.6-18.7	B	A	
A 12180	H6	44.85	21.5	20.3-23.4	17.2	14.9-18.6	C	A	
A 12181	L6	28.60	25.3	24.0-26.8	21.3	20.3-22.2	B	A/B	
A 12182	H6	8.153	19.8	19.0-24.9	17.1	13.4-18.4	C	B/C	Shock vein
A 12183	L4-5	17.41	26.7	25.5-29.2	20.1	7.1-23.0	C	A	Genomict breccia
A 12184	H3	1.963	20.9	18.5-25.7	16.4	3.2-34.3	B	A	
A 12185	L6	48.96	25.2	23.0-27.0	21.5	20.2-23.2	C	A	Shock vein
A 12186	H5	18.33	20.8	19.9-22.2	17.3	16.4-19.1	C	A/B	
A 12187	H6	0.959	20.6	18.3-22.2	17.9	16.9-19.4	B	A/B	Shock vein
A 12188	H4	36.09	18.7	18.3-19.5	16.5	14.9-21.1	C	B	
A 12191	LL6	24.33	31.3	24.6-33.6	24.7	20.5-26.7	A/B	A/B	
A 12192	L6	17.67	26.6	25.4-28.9	21.7	14.5-25.0	C	A	Shock vein
A 12193	L6	14.25	25.3	23.9-26.5	21.6	20.7-24.6	B/C	A/B	
A 12194	LL6	18.26	30.5	28.3-32.3	25.0	22.9-26.2	A/B	A/B	Breccia
A 12195	H6	13.68	20.4	18.1-22.1	17.6	16.3-20.2	C	A	Shock vein
A 12196	H5	50.13	21.0	19.2-23.5	17.4	16.1-18.8	C	A	

Table 1. Continued.

Meteorite	Class	Wt. (g)	Fa	Range	Fs	Range	W	F	Comments
A 12197	H5	1.562	17.9	16.9-19.1	15.9	15.4-16.7	C	A	
A 12198	H6	27.92	19.8	19.4-20.2	17.4	16.2-19.1	C	A	Breccia
A 12199	H5	20.35	19.1	18.3-19.9	16.9	15.5-18.7	C	A	
A 12200	H5	21.25	19.3	18.3-22.2	16.8	15.7-19.1	C	A/B	
A 12202	Dio	8.969			26.1	24.1-28.1	-	A	Breccia
A 12204	H5	15.12	18.8	17.7-19.7	16.4	15.5-18.3	C	A	
A 12206	L5	7.910	24.8	22.5-26.3	21.9	19.0-26.5	C	A	Breccia
A 12207	H5	62.00	18.9	18.0-21.1	17.1	15.5-24.3	C	B	
A 12208	H3	1.187	20.1	10.3-29.1	16.7	13.5-19.2	C	A	
A 12209	Ang	43.65	23.9	11.2-49.8			-	A	An99.5, Wo51.8En24.6
A 12210	H5	7.760	19.0	18.0-20.7	16.9	15.6-18.0	C	A	
A 12213	H5	7.430	18.2	17.5-19.5	16.5	15.6-18.7	C	A	
A 12215	L5	54.99	25.3	22.8-27.2	21.2	19.6-23.5	C	A	
A 12217	H5	49.64	18.9	17.7-22.4	16.4	15.2-17.2	C	A	
A 12218	H5	90.55	19.3	17.8-21.9	17.2	16.1-20.0	C	B	
A 12222	H6	8.805	19.9	19.0-21.5	17.5	16.9-19.5	C	A/B	
A 12224	L6	91.60	25.6	24.7-26.6	21.4	20.5-22.1	C	A/B	
A 12225	H5	26.79	19.3	18.5-20.8	17.2	15.7-22.8	C	A	
A 12229	H4	73.31	19.5	18.4-22.9	17.2	15.2-21.6	B	A	
A 12324	L4	2167.4	25.4	24.3-26.9	21.5	20.1-23.6	B	A	

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