

Tomography: Figures and Appendix Data on DVD

Appendix 1, Table 1: Summary of tomography conditions, and thresholds used in mpg and tiff file generation.

Listed are: sample type, sample label, meteorite class, find/fall occurrence, AMNH specimen number, sample mass (grams), tomography data resolution (microns/voxel edge), number of stacked data (on z) datasets in images, offset of stacked data sets (mm), minimum & maximum thresholds for 256 grayscale images, the x-ray energy (KeV), exposure time (sec), dark current, and number of rotation angles used for tomography data collection, and volume size.

DVD - Figures			<i>AMNH</i>	<i>scale</i>	<i>stack</i>	<i>sec.</i>	<i>dark</i>	<i>rot</i>	<i>cropped</i>			<i>volume size</i>						
<u>date</u>	<u>sample type</u>	<u>label</u>	<u>class</u>	<u>type</u>	<u>spec #</u>	<u>mass(g)</u>	<u>mu/pxl</u>	<u>stacks</u>	<u>offset</u>	<u>min</u>	<u>max</u>	<u>KeV</u>	<u>exp.</u>	<u>curr.</u>	<u>angles</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
Nov-01	whole rock	AlRais1	CR2	fall	4168	1.444	17.11	2	4	-500	8000	40	3	245	720	522	482	462
Apr-02	whole rock	AlRais1-section B2	CR2-AN	fall	4168	-	6.56	3	3	-500	8000	33	0.8	26	720	480	480	1431
Jun-02	whole rock	Itqiy1	EH-AN	fall	-	0.185	8.715	2	3.5	-500	12000	25	1.25	46	720	352	524	917
Jun-02	chondrule	Allende BB1	CVox-3	fall	4294	0.625	12.92	1	-	-500	8000	35	0.8	46	720	588	575	583
Dec-02	chondrule	Allende-BB2	CVox-3	fall	4294	-	9.547	1	-	-500	8000	40	3.5	50	720	490	490	515
Dec-02	chondrule	Allende-BB3	CVox-3	fall	4294	-	9.547	1	-	500	8000	40	3	50	720	302	346	512
Apr-02	chondrule	Bjurbole-chon7	L/LL4	fall	4474	-	5.848	1	-	-500	8000	25	0.8	26	720	382	406	434
Nov-01	chondrule	Karoonda-chon-Kr30-3	CK4	fall	3970	-	3.34	1	-	-500	5000	35	4	245	180	346	336	403
Feb-03	chondrule	Karoonda-chon-Kr18	CK4	fall	3970	-	3.899	1	-	-500	8000	27	1.1	50	360	460	470	396
Nov-03	chondrule	Karoonda-chon-Kr22	CK4	fall	3970	-	2.494	1	-	-500	11000	22	1.2	100	360	592	574	515
Nov-03	chondrule	Karoonda-chon-Kr11-2	CK4	fall	3970	-	3.876	1	-	-500	10000	28	0.5	100	720	586	558	515
Feb-03	whole rock	Zagami	SNC	fall	4709	0.255	10.5	2	4.8	-500	8000	42	1.2	50	720	260	525	924
Feb-03	whole rock	Allende2	CVox-3	fall	4948	1.53	17.09	4	4.3	-500	8000	42	0.8	50	720	280	398	1065
Feb-03	whole rock	Semarkona2	LL 3.0	fall	4128	2.32	17.07	5	4.5	-500	8000	42	0.8	50	720	400	550	1365
Nov-01	whole rock	Krymka	LL 3.1	fall	4847	0.24	10.2	1	-	-500	8000	40	-	245	720	510	350	516
Nov-01	whole rock	Renazzo1	CR2	fall	588	1.636	17.11	2	4	-500	8000	50	3	245	720	554	554	472
Feb-03	whole rock	Acfer139-1	CR2	find	4793	0.635	10.5	4	4.7	-500	8000	42	1.2	50	720	376	502	1829
Feb-03	whole rock	Acfer139-2	CR	find	4793	0.684	10.5	4	4.7	-500	8000	42	1.2	50	720	372	454	1829
Dec-02	whole rock	NWA487-1	L/LL3.4	find	5021	4.11	17.04	5	4.6	-500	8000	45	-	50	720	450	450	1365
Nov-01	CAI	Allende-CAI	CVox-3	fall	4308	-	10.24	2	4	0	8000	30	2	245	900	446	566	850
Feb-03	whole rock	Leoville1	CVred-3	find	4337	0.522	10.5	3	3.5	-500	8000	42	1.2	50	720	360	450	1154
Mar-05	aerogel	Aerogel-shot-B1	aerogel	-	-	-	14.49	1	-	-1000	2500	12	0.7	100	360	650	650	515
May-04	lunar glass	orange glass OG1C	lunar	-	-	-	1.96	3	0.98	-500	12000	15	5.2	101	720	380	420	1515
DVD - Appendix 1			<u>class</u>	<u>spec #</u>	<u>m(g)</u>	<u>mu/pxl</u>	<u>stacks</u>	<u>offset</u>	<u>min</u>	<u>max</u>	<u>KeV</u>	<u>exp.</u>	<u>d.c.</u>	<u>angles</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	
Nov-03	whole rock	GaoGuenieB-1	CR2	find	5029	1.798	14.63	5	4.4	800	6000	38	0.37	100	720	460	388	1534
Apr-02	whole rock	Hallingeberg1	L3.4	fall	3962	2.548	14.63	5	4.9	0	15000	38	0.37	100	720	420	488	1699
Nov-03	whole1	Ivuna1	CI1	fall	3963	0.071	13.05	1	-	-1000	8000	30	0.25	75	720	650	650	453
May-04	whole1	Kainsaz-t2a	CO3.2	fall	4717	0.22	7.595	3	3.2	-1000	16000	36	0.38	75	720	458	580	1359
May-04	whole rock	Khohar1	L3.6	fall	4245	1.574	17.07	4	3.8	-1000	15000	40	0.4	101	720	336	478	950
Nov-06	whole1	Murchison2	CM2	fall	4377	-	17	3	3.4	-1000	9000	42	0.9	50	720	496	454	714
Nov-06	whole rock	Nakhla	SNC-N	fall	3887	0.545	11.07	3	5	-1000	14000	33	0.51	101	720	410	469	1342
Nov-01	whole1	Sahara 97096-1	EH3	find	4940	1.15	13.08	1	-	-500	8000	45	-	245	720	384	480	341
Nov-06	whole1	Vigarano-t4a	CVred-3	fall	2226	1.225	13.06	5	3.8	-500	12000	42	0.21	75	720	448	420	1515