



National Aeronautics and
Space Administration

Curatorial Branch

Lyndon B. Johnson Space Center
Houston, Texas 77058

October, 1980

The Cutting, Chipping, and Distribution of Lunar Rock 68815

68815, 0
Post-chipping
Showing Present Distribution

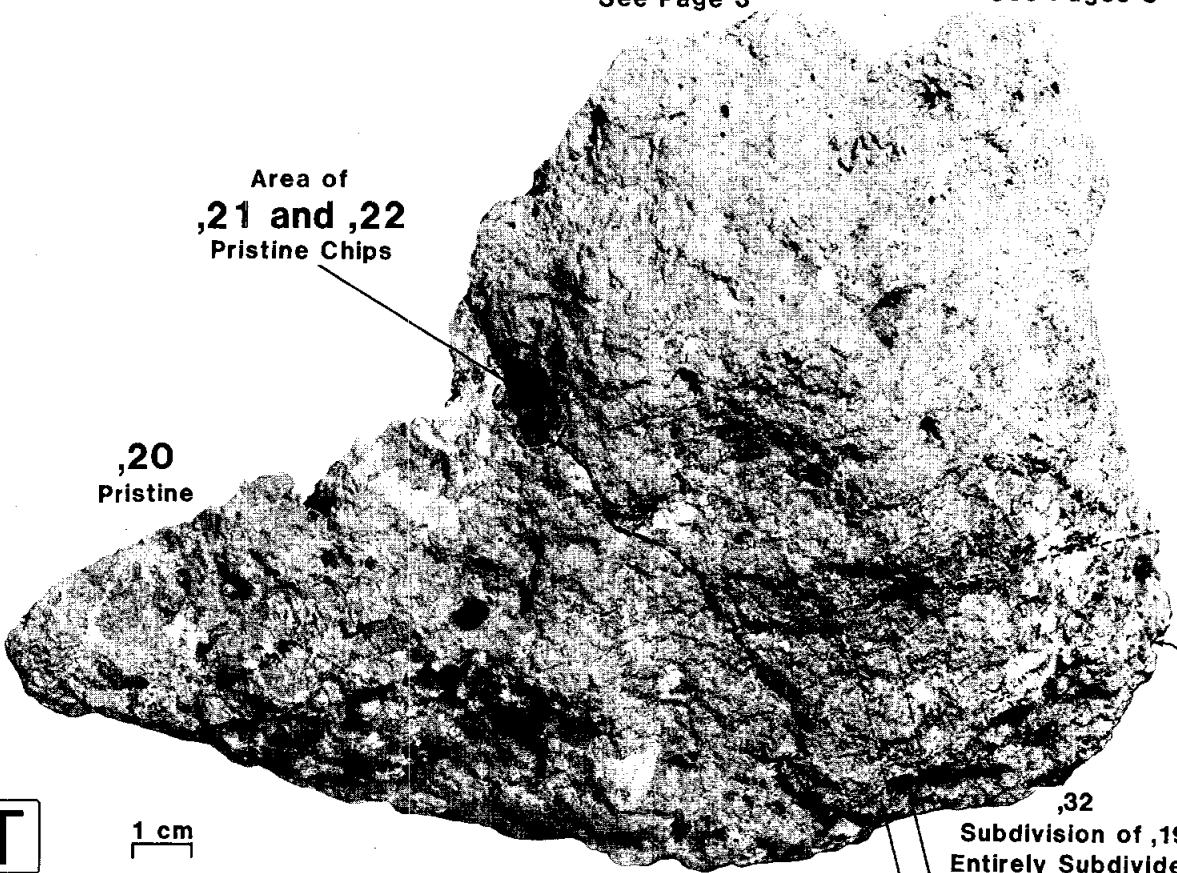
S-72-37154

,19
Entirely Subdivided
See Page 3

,31
Subdivision of ,19
See Pages 8 - 11

Area of
,21 and ,22
Pristine Chips

,20
Pristine



T

1 cm

,32
Subdivision of ,19
Entirely Subdivided
See Pages 4 - 7

Slab "A"
Subdivision of ,19
See Page 12

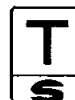
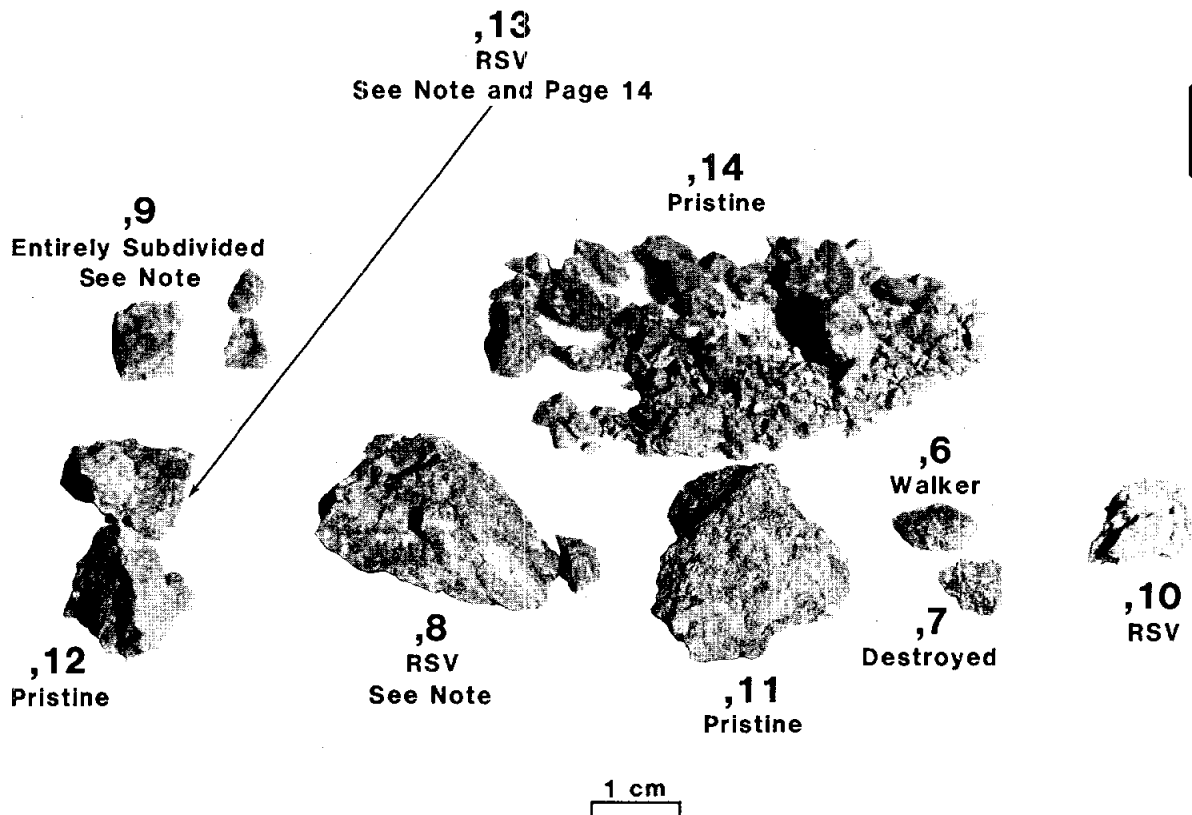
Slab "C"
Subdivision of ,19
See Page 13

Area of ,2
Entirely Subdivided
See Page 2

Not Pictured:

- ,1 - RSV. See Page 14
- ,23 - Pristine chips and fines
- ,161 - RSV, bandsaw freon fines
- ,162 - RSV, bandsaw freon fines

68815, 2 Post-chipping Showing Present Distribution



Note:

Subdivisions of ,8

- ,208 - RSV
- ,209 - RSV
- ,210 - RSV
- ,211 - RSV
- ,212 - RSV
- ,213 - RSV
- ,214 - Consumed
- ,216 - RSV
- ,217 - RSV
- ,9001 - RSV

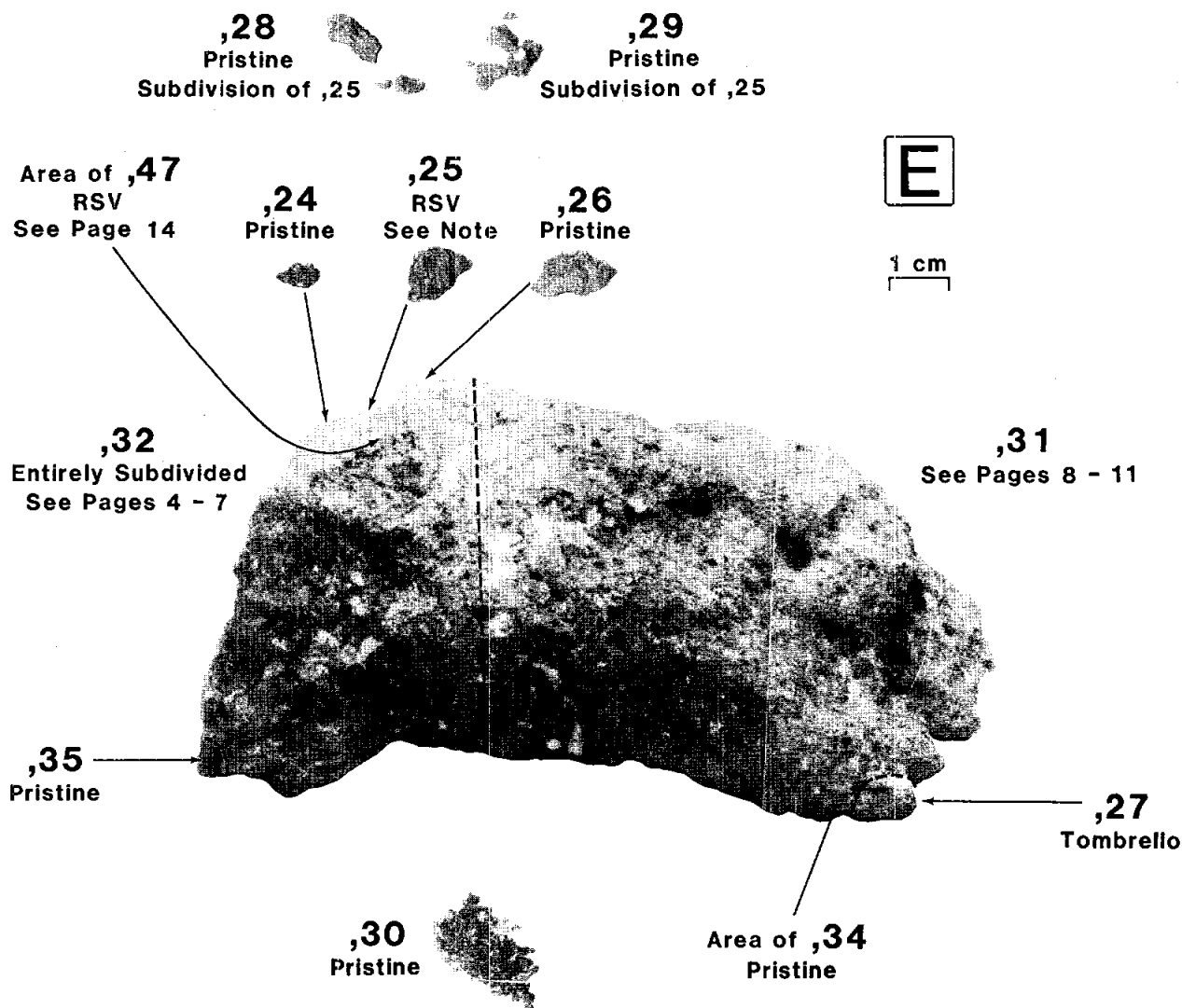
Subdivisions of ,9

- ,163 - RSV
- ,164 - RSV
- ,165 - Consumed

Subdivision of ,13

- ,16 - RSV

68815, 19 Post-cutting and chipping Showing Present Distribution



Slab "A" and Slab "C" were cut from the W surface of ,32.
See Page 1 for location and Pages 12 and 13 for distribution and subdivisions.

Note:

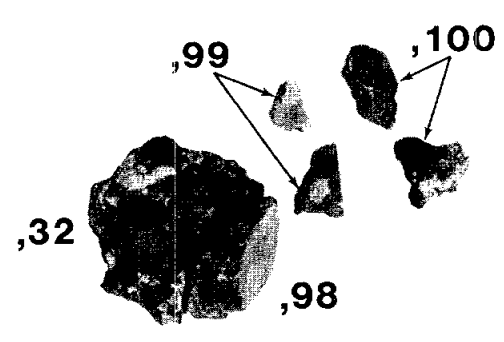
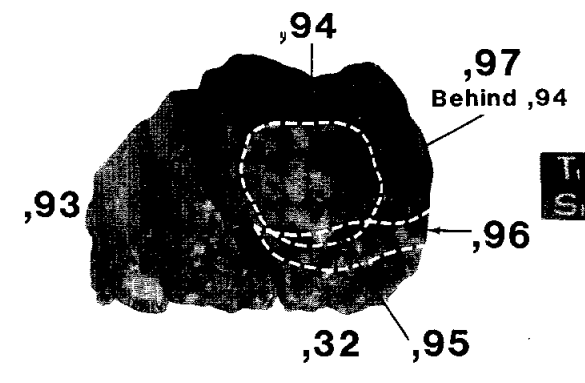
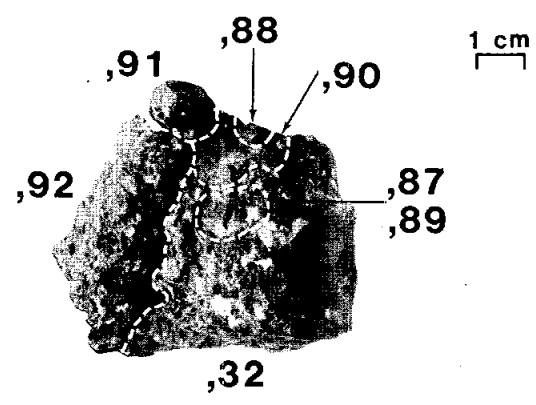
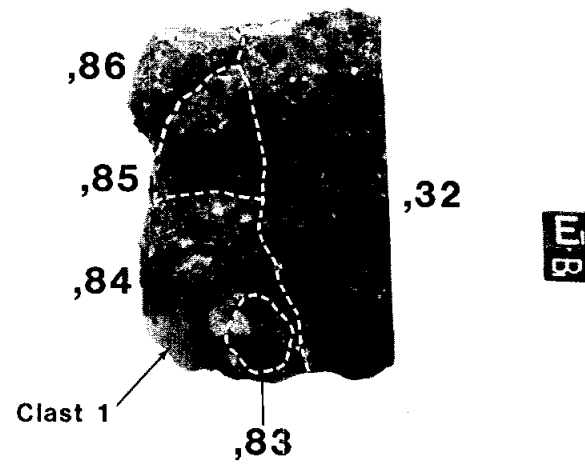
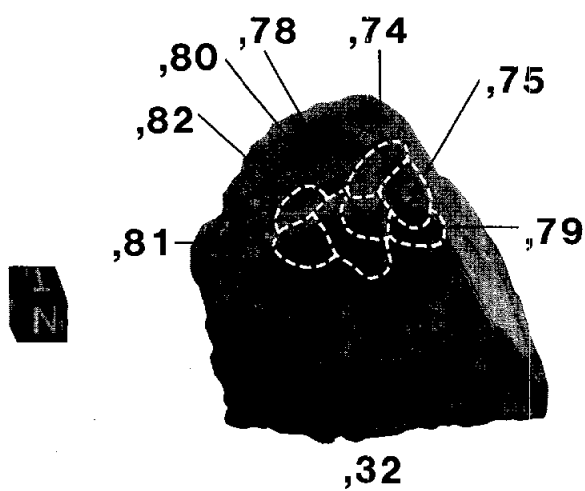
Subdivision of ,25
,186 - Consumed

Not Pictured:

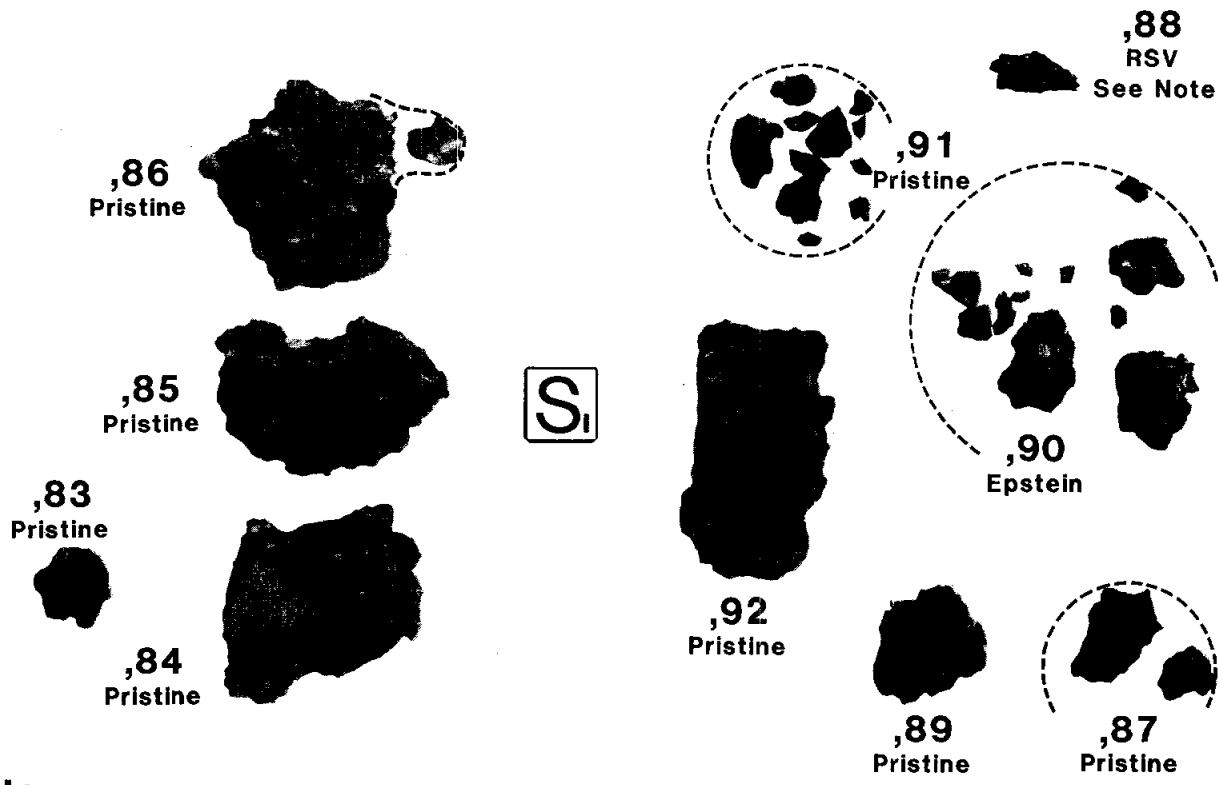
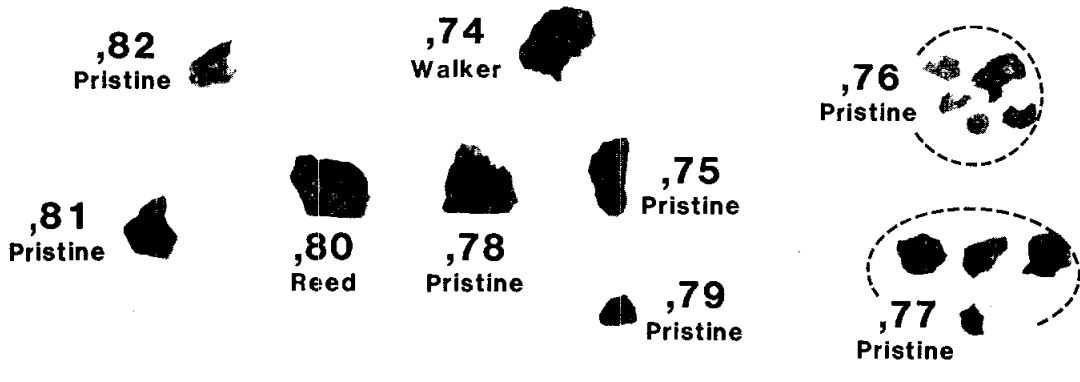
- ,33 - Pristine chip from W, B corner of sawed surface of ,31
- ,46 - Pristine chip from W, T surface corner of sawed surface of ,32
- ,61 - RSV, chips from N surface of ,46. See Page 15
- ,62 - Pristine chips from N surface of ,46 (Subdivision: ,207 - Marti)

68815, 32 Major Subdivisions

See Pages 5 - 7 for Present Distribution



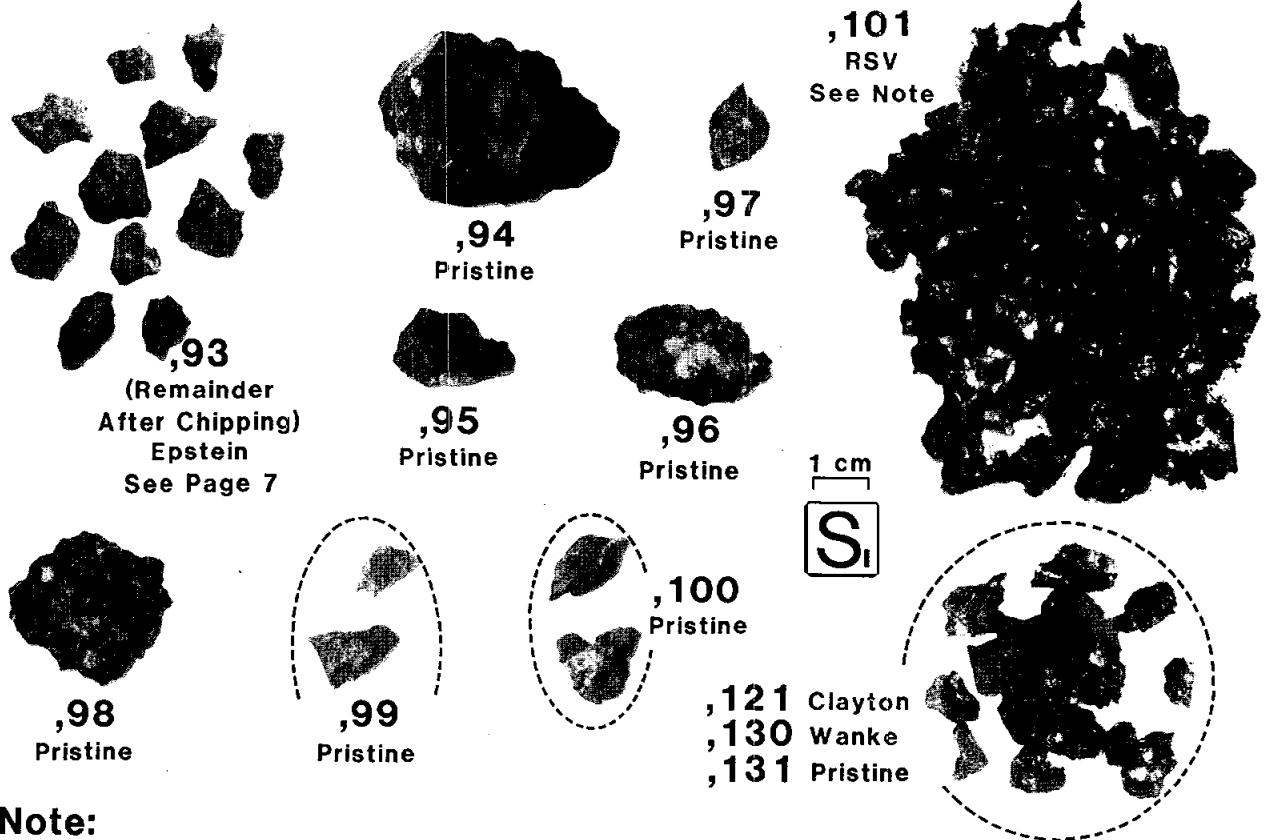
68815, 32 (Continued) Post-chipping Showing Present Distribution



Note:

- Subdivisions of ,88
- ,182 - RSV
- ,183 - Consumed

68815, 32 (Continued)
Post-chipping
Showing Present Distribution



Note:

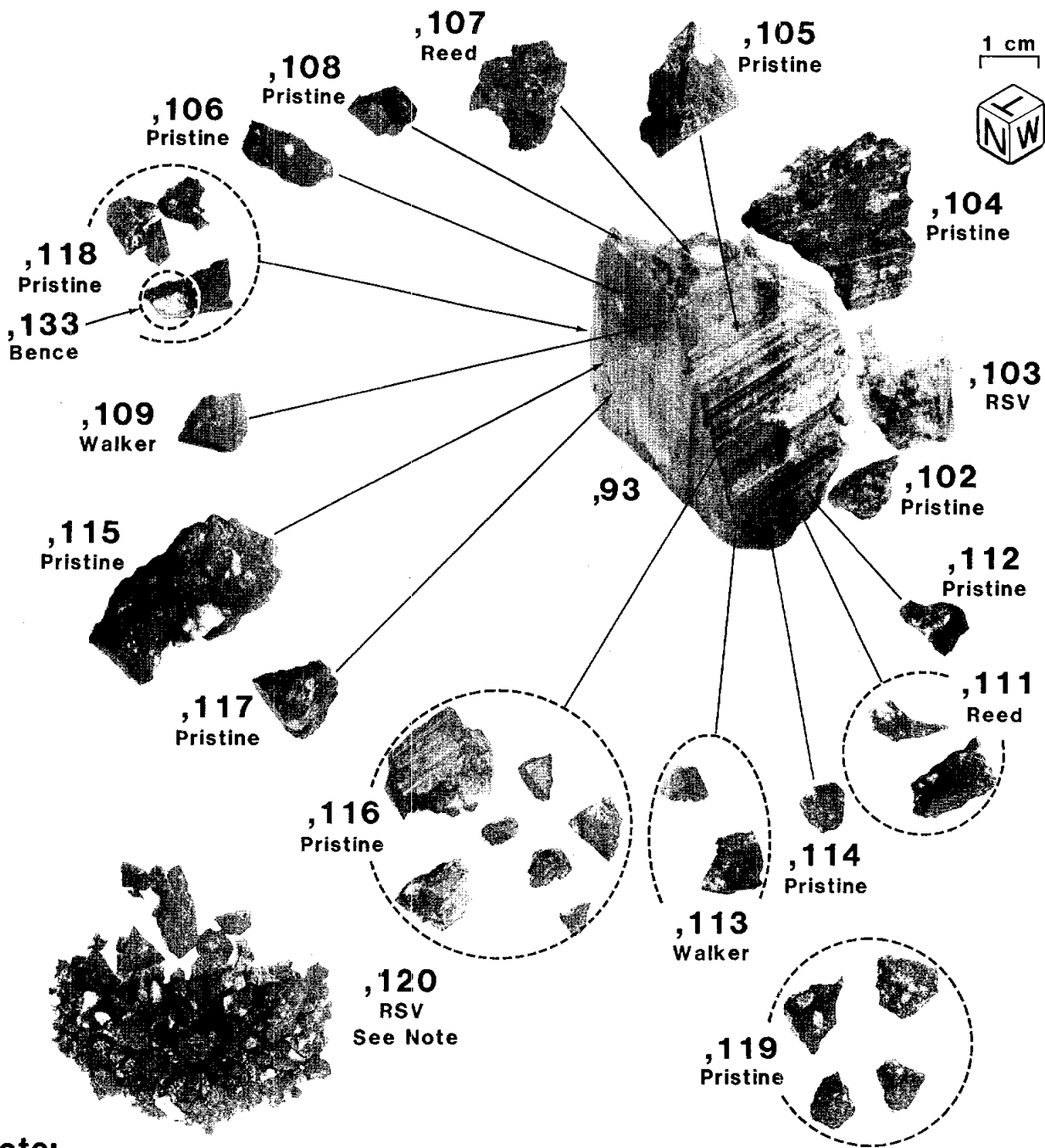
Subdivision of ,101
,181 - Consumed

Not Pictured:

- ,122 - RSV, interior chips (Subdivisions: ,167 - RSV ,168 - Consumed)
- ,123 - RSV, interior chips (Subdivisions: ,169 - RSV ,170 - RSV ,171 - RSV ,172 - Consumed)
- ,124 - RSV, interior chips (Subdivision: ,178 - Consumed)
- ,125 - Pristine
- ,126 - Entirely subdivided interior chips (Subdivisions: ,173 - RSV ,174 - RSV ,175 - Consumed)
- ,127 - Consumed
- ,128 - RSV, interior chips (Subdivisions: ,219 - RSV-R ,220 - RSV-R ,221 - Consumed)
- ,129 - RSV, interior chips and fines (Subdivisions: ,215 - Destroyed ,226 - Destroyed ,227 - Destroyed ,228 - Consumed)
- ,132 - Epstein, interior chip
- ,134 - Pristine chips and fines
- ,135 - Entirely subdivided chips (Subdivisions: ,176 - RSV ,177 - Consumed)
- ,136 - Pristine chips
- ,137 - Pristine chips and fines
- ,138 - Pristine chips and fines
- ,139 - Pristine cabinet sweepings

68815, 32 (Continued) Post-chipping Showing Present Distribution

These samples were chipped from ,93, but are subdivisions of the parent sample ,32.



Note:

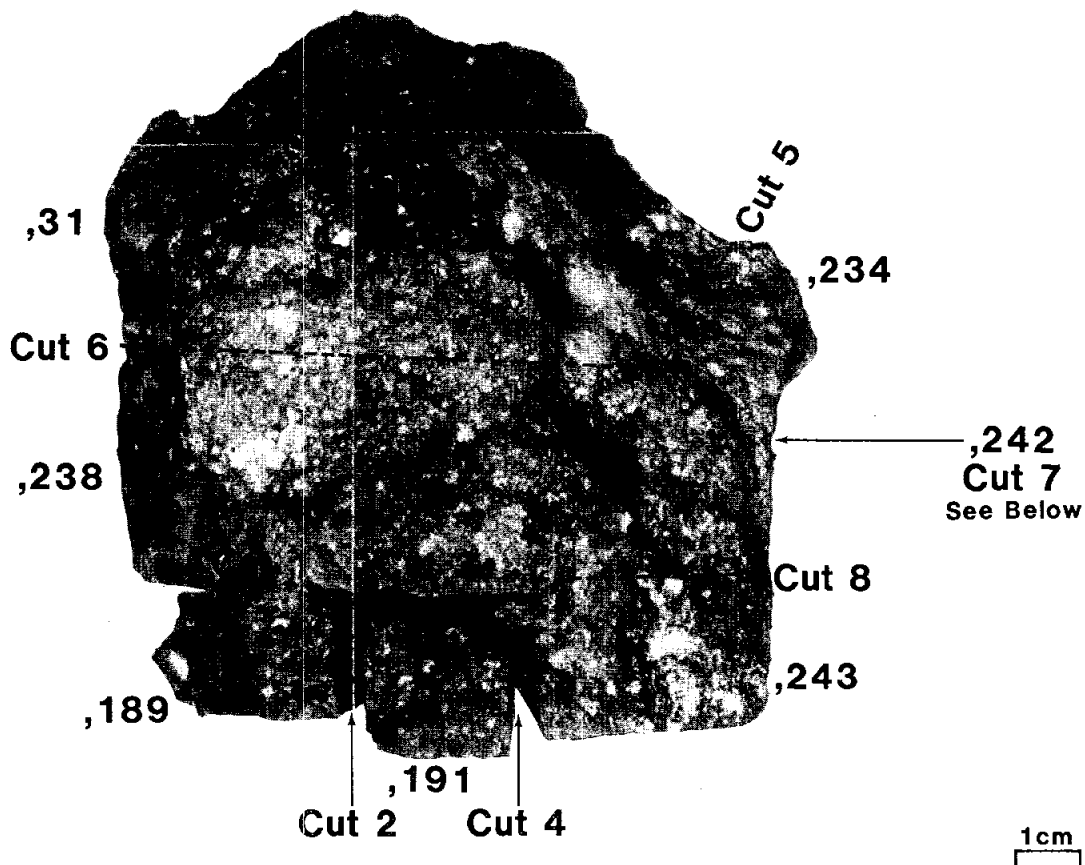
Subdivisions of ,120
,179 - RSV
,180 - Consumed

68815, 31 Major Subdivisions

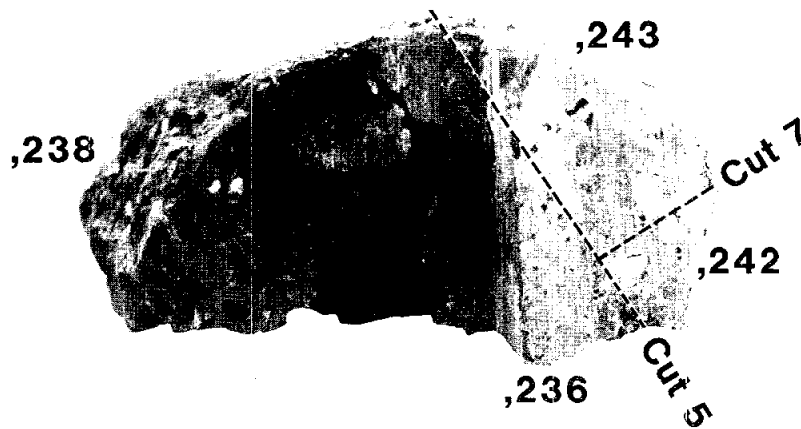
See Pages 9 - 11 for Present Subdivisions

Note: Locations of saw-cut lines are approximate.

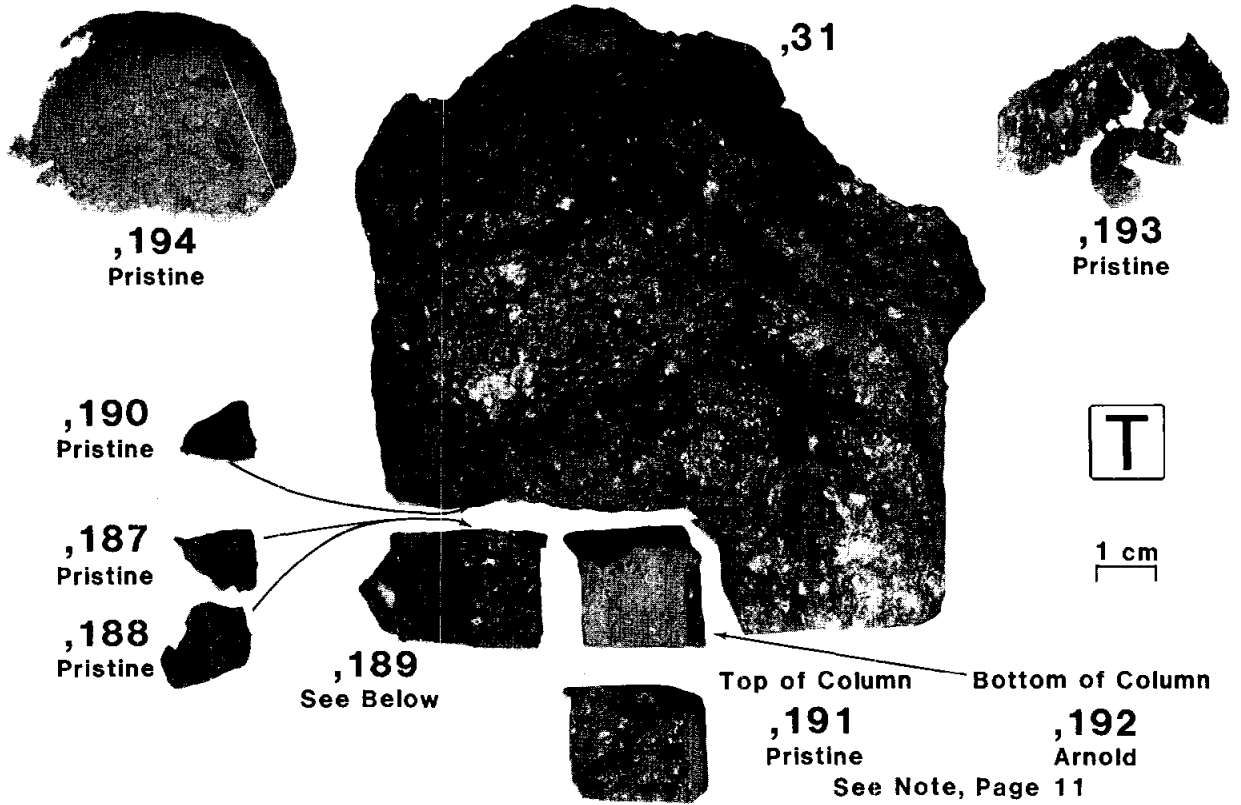
T



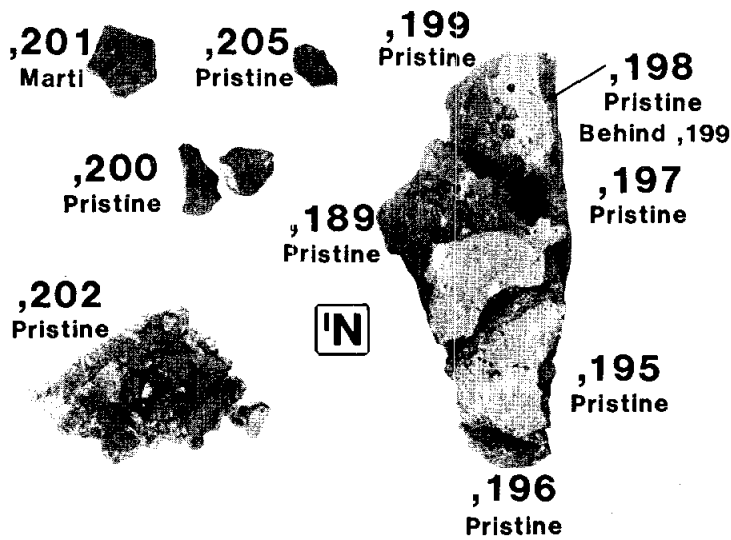
S₁



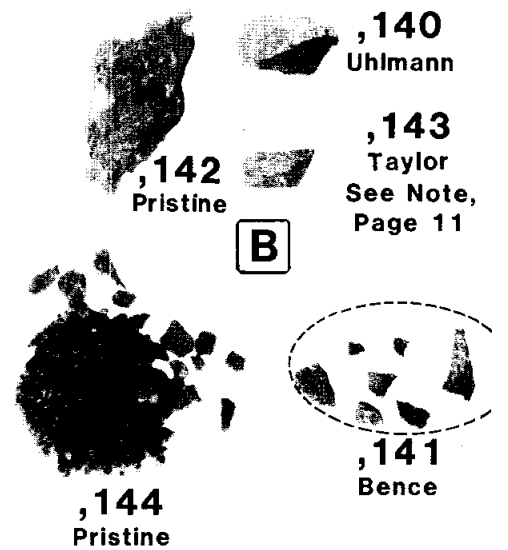
68815, 31 (Continued) Post-cutting and chipping, Exploded View Showing Present Distribution



Subdivision of ,189 Column



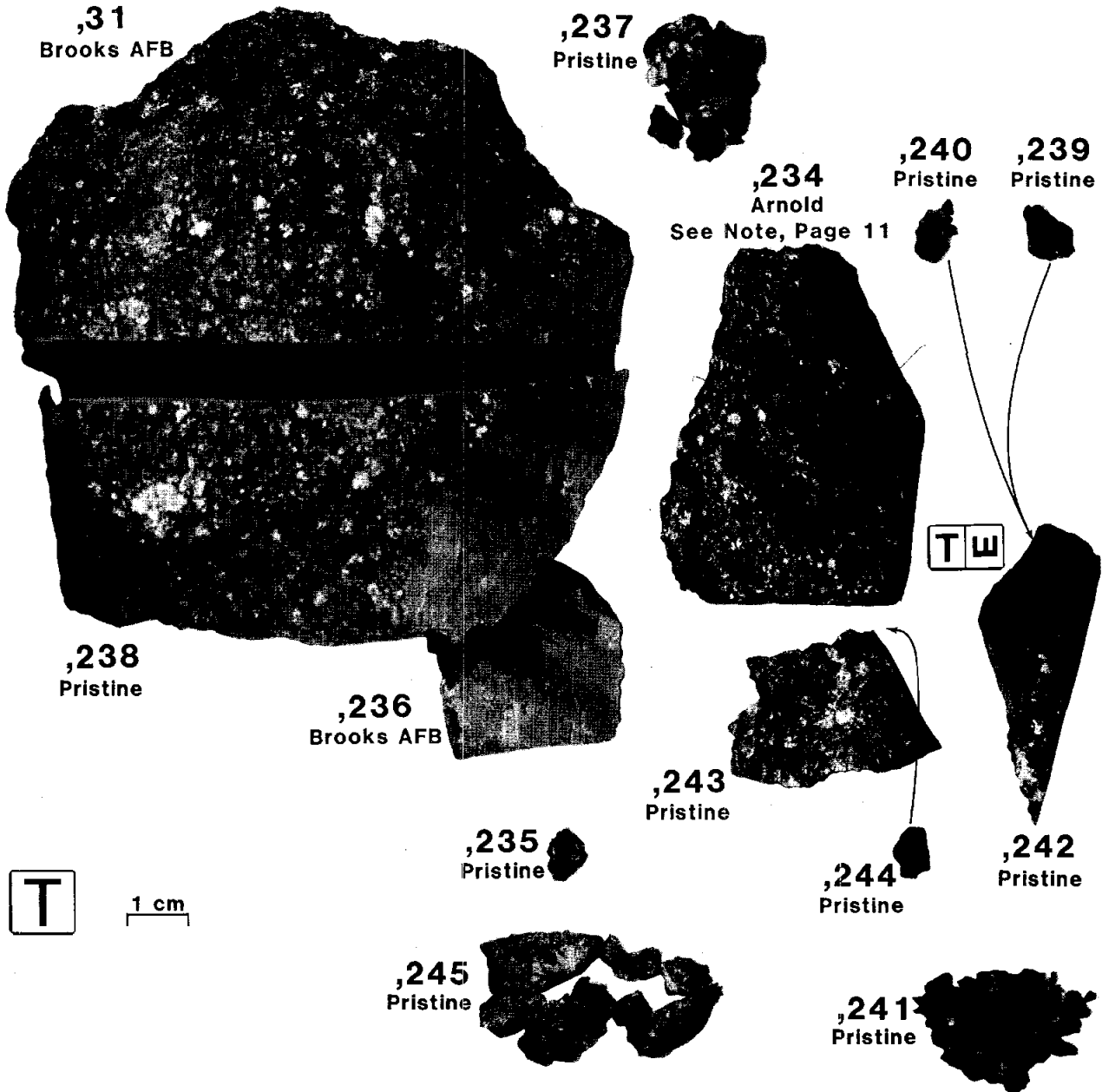
Samples from B Surface



Not Pictured:

,203 - RSV, bandsaw freon fines

68815, 31 (Continued) Post-cutting and chipping, Exploded View Showing Present Distribution



Not Pictured:

- ,229 - Lost
- ,230 - Pristine chips and fines
- ,246 - Pristine bandsaw chips and fines
- ,247 - Pristine bandsaw fines
- ,248 - RSV, bandsaw freon fines

68815, 31 (Continued)

Note:

Subdivisions of **,143**

,184 - Consumed

,231 - RSV. See Page 15

Subdivisions of **,191**

,257 - Kirsten (Subdivisions: ,259 - RSV ,260 - RSV)

,258 - Pristine

Subdivisions of **,192**

,222 - RSV

,224 - RSV

,225 - RSV

,252 - Consumed

Subdivisions of **,234**

,251 - Consumed

,9005 - Walker

,9010 - Marti

,9011 - Marti

,9012 - Marti

,9013 - Marti

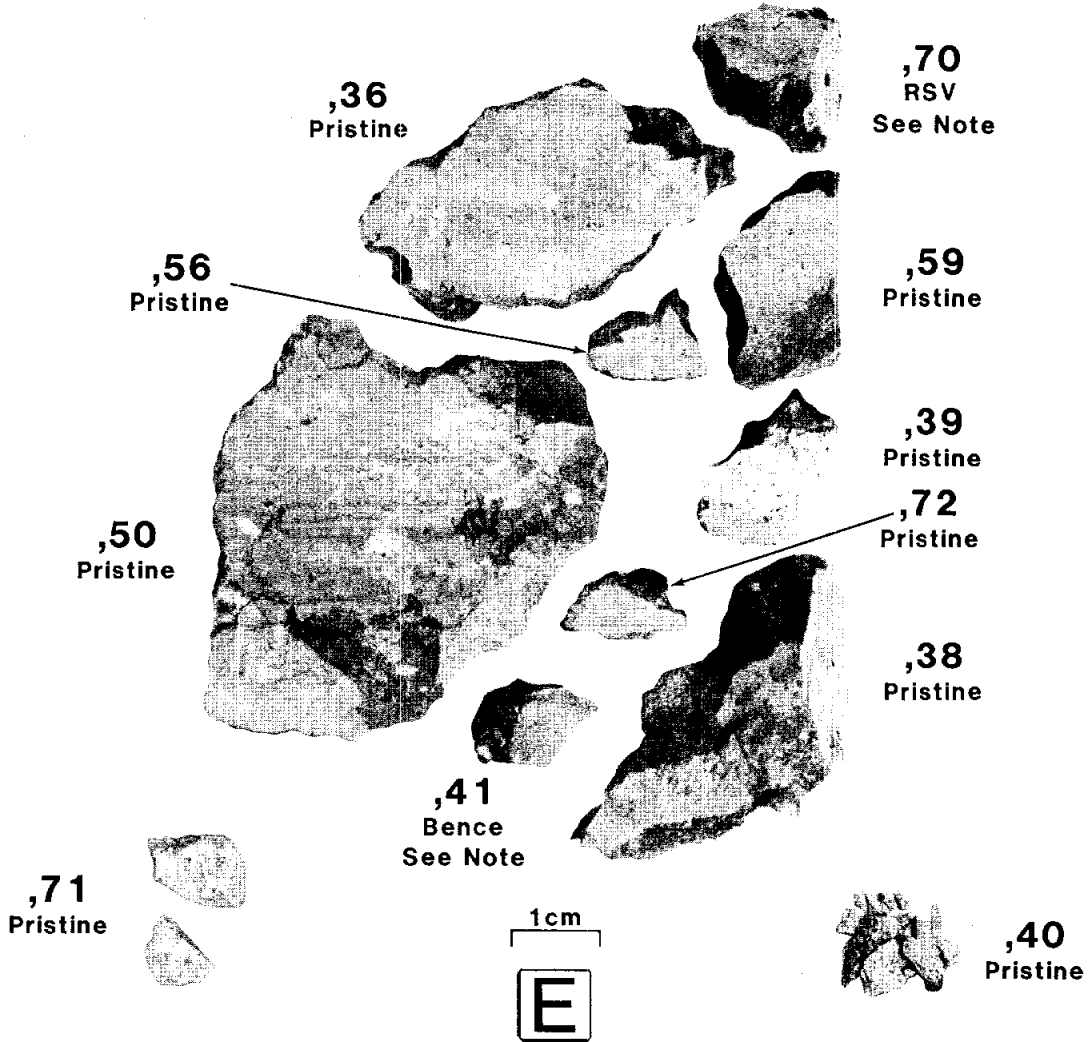
,9014 - Marti

,9015 - Marti

,9016 - Marti

,9017 - Marti

68815, 19 - Slab "A" Post-chipping, Exploded View Showing Present Distribution



S-72-53919

Note:

Subdivision of ,41

,9002 - Consumed

Subdivisions of ,70

,218 - RSV

,223 - Consumed

,9004 - RSV (Subdivisions: ,253 - RSV ,254 - RSV ,255 - RSV ,256 - RSV

,263 - Consumed)

Not Pictured:

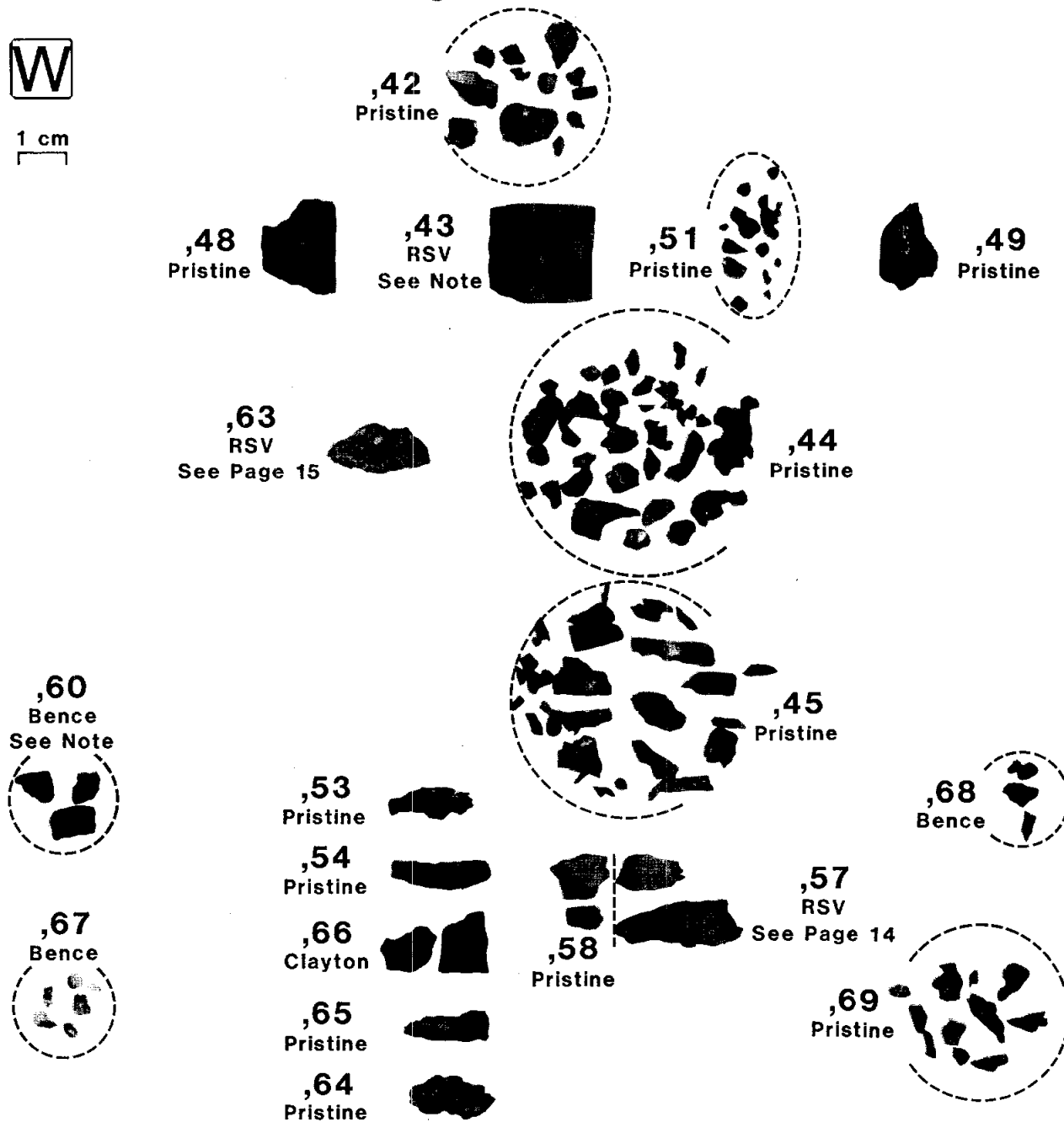
,55 - Pristine chips and fines



68815, 19 - Slab "C" Post-cutting and chipping, Exploded View Showing Present Distribution



1 cm



Note:

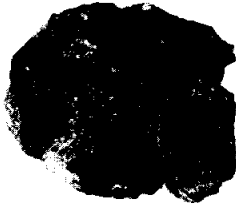
Subdivision of **,43**
,166 - Consumed

Subdivision of **,60**
,9003 - Consumed

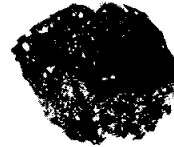
68815 - Thin Section Samples

Note: Scale is inconsistent, orientation is arbitrary.

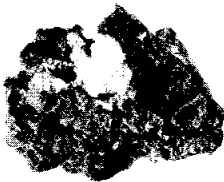
68815, 1 →



Thin Section:
,4 - James



68815, 13 →



Thin Sections:

,17 - Library

,18 - James



68815, 47 →



,145 - Bence

Thin Sections:
,146 - Adams

,147 - Library

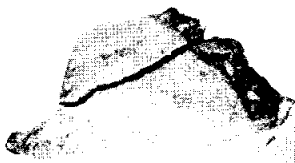


,148 - James

,149 - Library



68815, 57 →



Thin Sections:

,150 - James

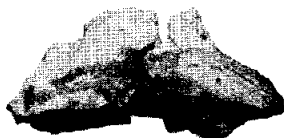
,151 - Bence



68815 - Thin Section Samples (Continued)

Note: Scale is inconsistent, orientation is arbitrary.

68815, 61 →

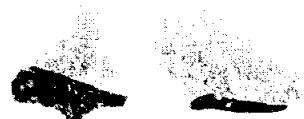


Thin Sections:

,152 - Bence



,153 - Bence



68815, 63 →



Thin Sections:

,154 - Bence



,155 - Library



,156 - Epstein



,157 - James



,158 - Library



68815, 231 →



Thin Section:

,233 - Library



68815
INVENTORY OF SAMPLES

10-23-80

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,1	1.899	,0	RSV		PB-documented ext. chip (see Sect. ,4	
,2	ENTIRELY SUBDIVIDED				Chip from E ₁ area	
,4	0.010	,1	James		TS	
,6	0.582	,2	Walker		Int. chip	6-8-72
,7	DESTROYED			Moore/PET		
,8	8.825	,2	RSV	Wetherill	Doc. chip - Igneous clast (see Sects. 216-217) Some wire sawing done by PI	
,9	ENTIRELY SUBDIVIDED				3 chips - Much black matrix (see Samples 163 & 164)	
,10	1.400	,2	RSV		1 documented chip	6-8-72
,11	8.470	,2	PSV		1 documented chip	6-8-72
,12	1.730	,2	PSV		1 documented chip	6-8-72
,13	2.240	,2	RSV		PB - 1 doc chip (see Sects. 16-18)	
,14	7.580	,2	PSV		Undocumented chips and fines	6-8-72
,16	0.010	,13	RSV		Fines	
,17	0.010	,13	LIB		TS	
,18	0.010	,13	James		TS	
,19	ENTIRELY SUBDIVIDED				E ₁ half of RX (see 24-72)	
,20	545.200	,0	PSV		Designated "RESERVE" for oxidation studies W ₁ half of RX	8-4-72
,21	0.881	,0	PSV		Doc. chip from N ₁ T ₁ area	8-4-72
,22	0.488	,0	PSV		Doc. chip from N ₁ T ₁ area	8-4-72
,23	7.070	,0	PSV		Chips and fines	8-4-72
,24	0.260	,19	PSV		T ₁ SUR documented	10-27-72
,25	1.313	,19	RSV		T ₁ SUR CP with white clast	10-27-72

RSV Return Storage Vault

PSV Pristine Storage Vault

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,26	1.520	,19	PSV		T ₁ SUR chip documented	10-27-72
,27	1.230	,19	Tombrello	Wasserburg	Doc. T ₁ E ₁ SUR chip w/small white clast	10-27-72
,28	0.730	,19	PSV		3 doc cps from T ₁ surface	10-27-72
,29	0.490	,19	PSV		~ 10 cps locatable from T ₁ surface	10-27-72
,30	0.770	,19	PSV		Cps & Fi	10-27-72
,31	254.000	,19	Brooks		N ₁ W ₁ end of RX	11-75
,32	ENTIRELY SUBDIVIDED					
,33	7.200	,19	PSV		Doc MA CP w/sawed surface, W ₁ B ₁ surface	11-72
,34	1.150	,19	PSV		E ₁ SUR adjacent to ,27	10-31-72 11-72
,35	0.540	,19	PSV		Loc. chip W/E ₁ lunar and sawed surface	11-72
,36	15.670	,19	PSV		doc. chip from slab A-from E ₁ end	11-72
,38	16.350	,19	PSV		(CL2 & MA) doc. chip composed of Clast II ~5-6 gm (See Clast II sample 57,58, 472)	
,39	1.690	,19	PSV		DOC MA CP	11-72
,40	0.230	,19	PSV		undocumented chip of Clast II material w/little matrix	
,41	1.334	,19	Bence	Papike	doc. chip w/clast II and matrix	
,42	3.360	,19	PSV		loc. chips w/darker matrix & sawed surf.	
,43	4.951	,19	RSV	Ward/Collett	CP & FI (was an int sawed pc)	
,44	6.520	,19	PSV		loc. chips from slab C w/darker matrix	11-72
,45	5.470	,19	PSV		chips from Slab C predominately matrix w/white streaks & clasts	
,46	4.000	,19	PSV		Doc. SAW SUR w/mainly Clast I material	
,47	3.260	,19	RSV		PB loc. chip from T ₁ surface (see 145-149 sections)	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,48	2.160	,19	PSV		int doc. pc. w/3 sawed surf. from Slab C	
,49	1.650	,19	PSV		doc. sawed piece from Slab C	
,50	36.930	,19	PSV		doc. pc. w/sawed surface Slab A from E ₁ end	11-72
,51	0.460	,19	PSV		LOC MA CP from S ₁ edge	
,53	1.190	,19	PSV		1 LOC CP from N ₁ area of Slab C	
,54	1.060	,19	PSV		1 LOC CP from N ₁ area of Slab C	
,55	23.830	,19	PSV		CP & FI from sawing	
,56	0.800	,19	PSV		int. doc. sawed piece from Slab A w/matrix only	
,57	1.560	,19	RSV	TSL	PB - clast 2 & MA same clast as in 58 & 38 (see sections 150-151)	
,58	0.470	,19	PSV		2 doc. Clast II chip w/sawed surface (Same clast as in 57 & 58)	
,59	5.600	,19	PSV		doc. matrix pc. w/half of a 3 mm worm hole Slab A	
,60	1.046	,19	Bence	Papike	CL1 & MA UDOC from Slab C	
,61	1.470	,19	RSV	TSL	PB about 2/3 Clast I & 1/3 attached matrix (See sections 152-153)	
,62	0.730	,19	PSV		3 DOC CL 1 CP (See sample 207)	
,63	2.340	,19	RSV	TSL	PB MA & WCL mostly matrix (see sections 154-158)	
,64	1.120	,19	PSV		Sawed chip from Slab C w/N ₁ edge w/white streaks of a clast	
,65	0.960	,19	PSV		sawed chip from N ₁ edge of Slab C	
,66	1.930	,19	Clayton		2 sawed chips from N ₁ edge of Slab C w/wormhold	
,67	0.230	,19	Bence	Papike	undoc. white fragments (w/attached matrix) picked from chips of Slab C	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,68	0.310	,19	Bence	Papike	undoc matrix chips picked from chips of Slab C	
,69	1.280	,19	PSV		chips identified as Clast I on the basis of lithology (pale gray and aphanite grain size is less than that of II)	
,70	0.961	,19	RSV	Schwerer	crushed, some chips have matrix CP & FI (doc. ext chip from Slab A) (See section 218)	
,71	0.570	,19	PSV		2 mated chips w/zap pitted surfaces from the face of Clast I	
,72	0.430	,19	PSV		doc. chip composed mainly of Clast II/has a selvage of matrix. Chip has a broad sawed surface.	
,74	0.800	,32	Walker		T ₁ SUR CP	
,75	0.480	,32	PSV		ext. w/sawed surface from T ₁	
,76	0.420	,32	PSV		6 locatable T ₁ exterior chips	11-72
,77	0.740	,32	PSV		4 LOC CP	11-72
,78	0.720	,32	PSV		T ₁ SUR CP 1 exterior cp w/sawed surface	11-72
,79	0.050	,32	PSV		1 int DOC CP w/sawed areas	
,80	1.900	,32	Reed		doc chip w/1 sawed surface w/pitted T ₁ surface	
,81	0.480	,32	PSV		DOC SW CP may have some surf. ext from T ₁	
,82	0.120	,32	PSV		1 doc surface T ₁ chip	
,83	0.600	,32	PSV		MA & CL 3 doc. from B ₁ surface	
,84	18.150	,32	PSV		1 doc. cp. w/W ₁ sawed surface w/Clast II and III material	
,85	14.130	,32	PSV		DOC pc from S ₁ E ₁ area	
,86	16.420	,32	PSV		DOC pc from S ₁ E ₁ and T ₁ area	
,87	1.910	,32	PSV		2 LOC CP	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,88	0.819	,32	RSV	Adams J.B.	CPS 2 (loc. ext. chip from S ₁ surf)	
,89	3.840	,32	PSV		DOC CP exterior chip from S ₁ surface	
,90	4.880	,32	Epstein		S ₁ T ₁ SUR CP	
,91	2.500	,32	PSV	Burlingame (unopened)	S ₁ T ₁ SUR CP	
,92	22.250	,32	PSV		DOC CP w/some surface sawed & ext.	
,93	4.750	,32	Epstein		DEEP IN CPS	
,94	45.950	,32	PSV		1 doc cp N ₁ face sawed surface	
,95	3.250	,32	PSV		DOC CP	
,96	5.720	,32	PSV		W CL & MA 1 cm of white clast	
,97	1.820	,32	PSV		LOC CP	
,98	8.950	,32	PSV		DOC CP part of N ₁ sawed surface	
,99	1.230	,32	PSV		2 LOC CPs w/sawed surface 1 has small clast	
,100	3.140	,32	PSV		2 LOC fresh interior chips	
,101	1.974	,32	RSV	Thode	3 CPS DUST (4 int fresh chips)	
,102	0.530	,32	PSV		DOC CP with W ₁ sawed surface	
,103	2.630	,32	RSV		DOC CP with sawed surface on W ₁ surface (this sample has not been processed into RSPL)	
,104	14.000	,32	PSV		1 DOC piece with W ₁ sawed surface	
,105	3.680	,32	PSV		Int W ₁ sawed surface chip	
,106	1.010	,32	PSV		Doc. int. chip w/N ₁ sawed surface	
,107	2.440	,32	Reed		Doc. MID chip has some W ₁ sawed surface	
,108	0.490	,32	PSV		doc. mid chip w/N ₁ sawed surface	
,109	0.740	,32	Walker		doc MID int chip w/N ₁ sawed surface	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,111	1.850	,32	Reed		doc 2 BOT chips w/W ₁ sawed surface	
,112	0.640	,32	PSV		DOC CP bottom	
,113	1.130	,32	Walker		2 doc Bot chips w/sawed surface both W ₁ N ₁	
,114	0.270	,32	PSV		1 DOC CP from bottom W/W ₁ sawed surface	
,115	14.740	,32	PSV		doc B ₁ area N ₁ sawed surf. W/fresh surface	
,116	4.950	,32	PSV		7 doc & loc W ₁ sawed int. surface chips	
,117	2.470	,32	PSV		1 doc N ₁ sawed surface chip	
,118	0.920	,32	PSV		4 N ₁ SAWSUR bottom chips	
,119	2.490	,32	PSV	Burlingame (unopened)	4 DEEP IN chip from E ₁ S area of RX	
,120	1.923	,32	RSV	Scoon	FI crushed (was fresh loc chips)	
,121	2.050	,32	Clayton		SW SUR CPS undoc.	
,122	2.882	,32	RSV	Nagy	CPS (dark fresh int. chips)	
,123	2.912	,32	RSV	Nagy	CPS (undoc. these chips were reluted as having relatively higher proportions of white (10-15%))	
,124	0.439	,32	RSV	Anders	8 CPS 4 MM (fresh int)	
,125	2.510	,32	PSV	Burlingame (unopened)	FRESH IN	
,126	ENTIRELY SUBDIVIDED				(fresh int. chips)	
,127	CONSUMED			Goel	(4 fresh interior)	
,128	0.345	,32	RSV	Goles	8 cps. blac matrix w/white irradi. sur clasts	
,129	0.167	,32	RSV	Moore	FI (2 fresh int. chips)	
,130	2.030	,32	Wanke		SW SUR CPS	
,131	5.190	,32	PSV		loc sawed surface chips	
,132	5.260	,32	Epstein		loc DEEP IN CP	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,133	0.600	,32	Bence	Papike	loc. W CL & MA 1/3 white clast from N ₁ T ₁ corner of 93	
,134	1.270	,32	PSV		FRESH CPS and fines	
,135	ENTIRELY SUBDIVIDED				(fresh chips)	
,136	7.980	,32	PSV		FRESH CPS	
,137	14.370	,32	PSV		undoc. chips & fines from processing	
,138	11.630	,32	PSV		undoc. chips & fines from processing	
,139	3.630	,32	PSV		CAB SWP	
,140	1.680	,31	Uhlmann		1 ext. doc. chip (glass) from B ₁ surface	11-72
,141	0.450	,31	Bence	Papike	7 GL CP loc from B ₁ area	11-72
,142	5.320	,31	PSV		DOC CP B ₁ E ₁ exterior surface	
,143	0.553	,31	Taylor L.A.	Bell	CP & FI (loc. B ₁ surface 1 glass chip)	
,144	1.200	,31	PSV		CP & FI	
,145	0.010	,47	Bence		TS	
,146	0.010	,47	Adams		TS	
,147	0.010	,47	LIB		TS	
,148	0.010	,47	James		TS	
,149	0.010	,47	LIB		TS	
,150	0.010	,57	James		TS	
,151	0.010	,57	Bence		TS	
,152	0.010	,61	Bence		TS	
,153	0.010	,61	Bence		TS	
,154	0.010	,63	Bence		TS	
,155	0.010	,63	LIB		TS	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,156	0.010	,63	Epstein		TS	
,157	0.010	,63	James		TS	
,158	0.010	,63	LIB		TS	
,161	0.346	,0	RSV		Bandsaw freon fines	
,162	0.010	,0	RSV		Bandsaw freon fines	
,163	0.963	,9	RSV	Gast	Breccia matrix fines	
,164	0.280	,9	RSV	Gast	PB	
,165	CONSUMED			Gast		
,166	CONSUMED			Collett		
,167	0.046	,122	RSV	Nagy	fines - pyolyzed at 1000°C	
,168	CONSUMED					
,169	0.106	,123	RSV	Nagy	FI untreated	
,170	0.009	,123	RSV	Nagy	fines	
,171	0.055	,123	RSV	Nagy	fines - pyrolyzed at 1000°C	
,172	CONSUMED			Nagy		
,173	0.046	,126	RSV	Friedman	CPS (fresh int)	
,174	6.266	,126	RSV	Friedman	fused frag. (fresh int)	
,175	CONSUMED			Friedman		
,176	2.960	,135	RSV	Friedman	CPS	
,177	CONSUMED			Friedman		
,178	CONSUMED			Anders		
,179	1.928	,120	RSV	Scoon	fuse GL-PB0	
,180	CONSUMED			Scoon		
,181	CONSUMED			Thode		
,182	0.439	,88	RSV	Adams J.B.	FI <250 m	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,183	CONSUMED			Adams		
,184	CONSUMED			Bell		
,186	CONSUMED			Padawer		
,187	1.200	,31	PSV		1 doc. chip w/sawed surface from T ₁ surf.	8-74
,188	0.840	,31	PSV		1 doc chip int w/sawed surface	8-74
,189	14.430	,31	PSV		doc sawed pc. int.	8-74
,190	0.920	,31	PSV		LOC CP	8-74
,191	16.765	,31	PSV		doc. pc w/5 sawed surfaces N ₁ being bounded by vesicle wall	
,192	2.511	,31	Arnold		(B1 cube doc sawed) ~18 g consumed	8-74
,193	3.420	,31	PSV		UNDOC BS CPS	8-74
,194	5.970	,31	PSV		band saw fines	8-74
,195	11.590	,31	PSV		sawed doc piece w/vesicles	8-74
,196	1.840	,31	PSV		documented lunar surface piece	8-74
,197	1.710	,31	PSV		Int. sawed doc. piece	8-74
,198	2.580	,31	PSV		doc. sawed piece from B ₁ area	8-74
,199	5.220	,31	PSV		doc. sawed piece from B ₁ area	8-74
,200	1.050	,31	PSV		loc. 2 chips w/matrix & glass and 3 mm white clast	8-74
,201	1.180	,31	Marti		locatable matrix chip	
,202	1.520	,31	PSV		CPS & FI locatable	
,203	1.290	,31	RSV		BS FREON FI	
,205	0.240	,31	PSV		locatable matrix chips	
,207	0.480	,62	Marti		Clast I chip	
,208	0.222	,8	RSV	Wetherill	2chips from PI wire sawing on 8	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,209	0.002	,8	RSV	Wetherill	DU from PI wire sawing on 8	
,210	0.216	,8	RSV	Wetherill	CPS from PI wire sawing on 8	
,211	0.123	,8	RSV	Wetherill	CPS & FI from PI wire sawing on 8	
,212	0.253	,8	RSV	Wetherill	CPS & FI from PI wire sawing on 8	
,213	0.006	,8	RSV	Wetherill	FI from PI wire sawing on 8	
,214	CONSUMED			Wetherill		
,215	DESTROYED					
,216	0.001	,8	RSV	Wetherill	PIPM	
,217	0.001	,8	RSV	Wetherill	PIPM	
,218	0.095	,70	RSV	Schwerer	PIPM	
,219	0.529	,128	RSV-R	Goles	cps. irradiated	
,220	0.138	,138	RSV-R	Goles	cps. irradiated	
,221	CONSUMED			Goles		
,222	0.001	,192	RSV	Arnold	FI	
,223	CONSUMED			Schwerer		
,224	0.004	,192	RSV	Arnold	FI	
,225	0.001	,192	RSV	Arnold	PIGM	
,226	DESTROYED					
,227	DESTROYED					
,228	CONSUMED			Moore		
,229	0.140	LOST			vug wall of B ₁ surface area	
,230	0.680	,31	PSV		UDOC CPS & FI	
,231	0.090	,143	RSV		PB - 3 chips (shows exterior material) (see section 233)	
,233	0.010	,231	LIB		TS	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,234	32.277	,31	Arnold		E ₁ T ₁ SURface piece (~22 gm consumed)	
,235	0.290	,31	PSV		T ₁ E ₁ S ₁ corner	
,236	34.000	,31	Brooks		DOC INPC w/sawed surface	
,237	1.630	,31	PSV		LOC CPS probably from B ₁ surface	
,238	217.200	,31	PSV		T ₁ SUR PC	
,239	0.170	,31	PSV		DOC E ₁ CP	
,240	0.440	,31	PSV		LOC CPS E ₁ these may have some pits	
,241	1.480	,31	PSV		LOC CPS	
,242	15.610	,31	PSV		DOC PC mostly of exposed surface (pitted) is gone(astronauts hammered & processing)	
,243	17.150	,31	PSV		T ₁ E ₁ SURCP some pitted surface is preserved	
,244	0.410	,31	PSV		DOC IN CP	
,245	4.410	,31	PSV		LOC T ₁ SUR	
,246	2.300	,31	PSV		BS CPS & FI	
,247	15.250	,31	PSV		BS FI	
,248	5.050	,31	RSV		BFF	
,251	CONSUMED			Arnold		
,252	CONSUMED			Arnold		
,253	0.368	,9004	RSV	Huffman	CPS	
,254	0.954	,9004	RSV	Huffman	CP with AG	
,255	0.082	,9004	RSV	Huffman	FI	
,256	0.097	,9004	RSV	Huffman	Mass	
,257	6.407	,191	Kirsten	TSL	Doc chip w/5 wire sawed surfaces T ₁ pitted	5-20-80
,258	0.076	,191	PSV		BS CPS & FI	
,259	4.911	,257	RSV	TSL	Doc chip w/5 wire sawed surface T ₁ pitted	

Subsample Number	Weight	Parent	Present Location	Distribution	Physical Characteristics	Photo available in present state
,260	0.075	,257	RSV		wire saw fines	
,263	CONSUMED			Huffman		
,9001	0.001	,8	RSV	Wetherill	PIPMCL	
,9002	CONSUMED			Schaeffer		
,9003	CONSUMED			Schaeffer		
,9004	0.359	,70	RSV	Huffman/Schwerer	CPS & FI	
,9005	0.600	,234	Walker			
,9010	0.019	,234	Marti		Split 1A	
,9011	0.013	,234	Marti		Split 1C	
,9012	0.010	,234	Marti		Split 2A	
,9013	0.010	,234	Marti		Split 2C	
,9014	0.019	,234	Marti		Split 3C	
,9015	0.023	,234	Marti		Split 4C	
,9016	0.178	,234	Marti		Split 6	
,9017	0.195	,234	Marti		Split 7	