



National Aeronautics and
Space Administration

Curatorial Branch

Lyndon B. Johnson Space Center
Houston, Texas 77058

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The Cutting, Chipping, and Distribution of Lunar Rock 68815

68815, 0 Post-chipping Showing Present Distribution

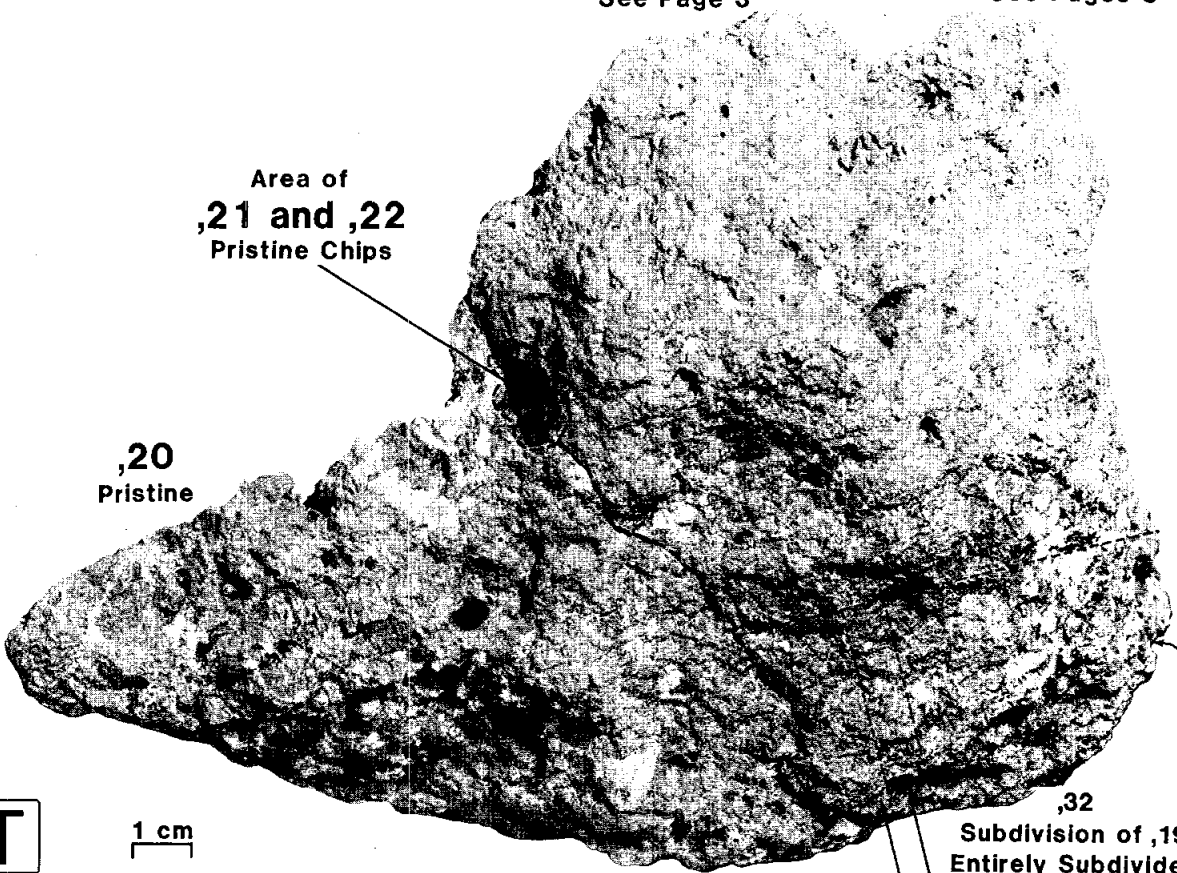
S-72-37154

,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

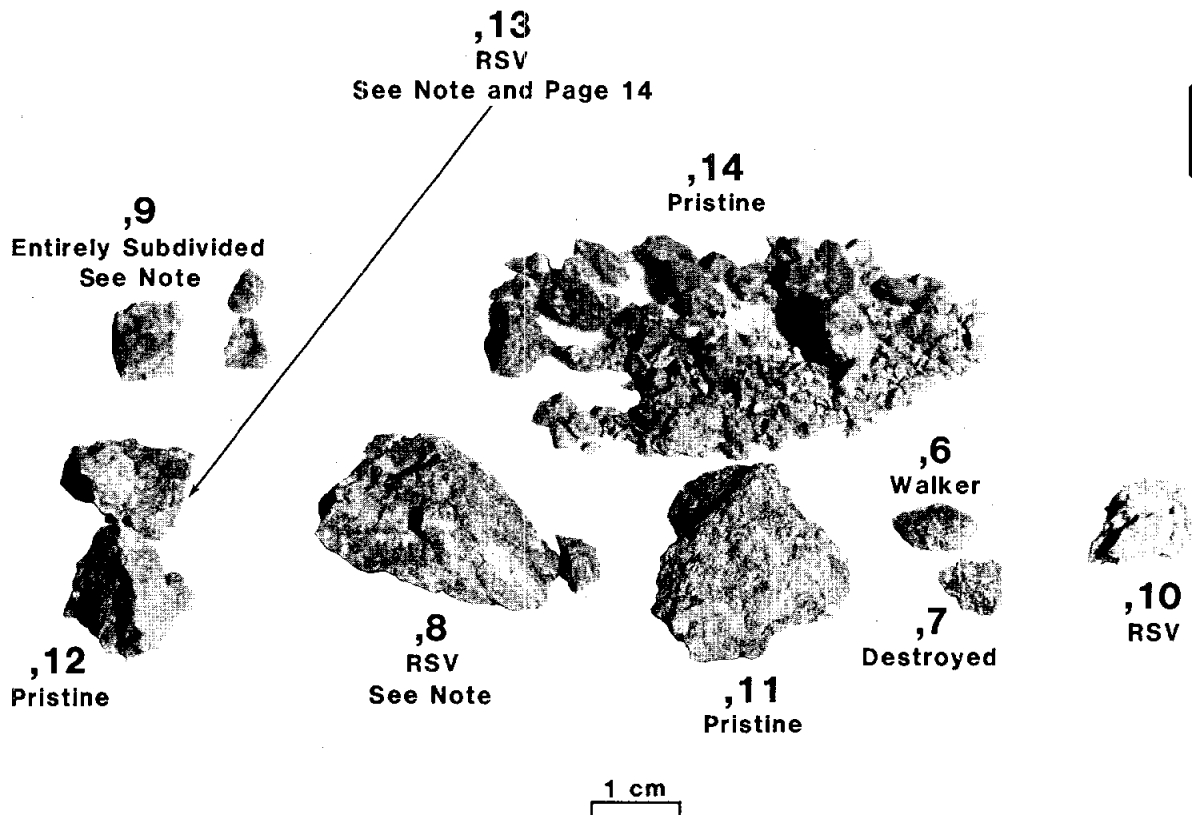
Slab "C"
Subdivision of ,19
See Page 13

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

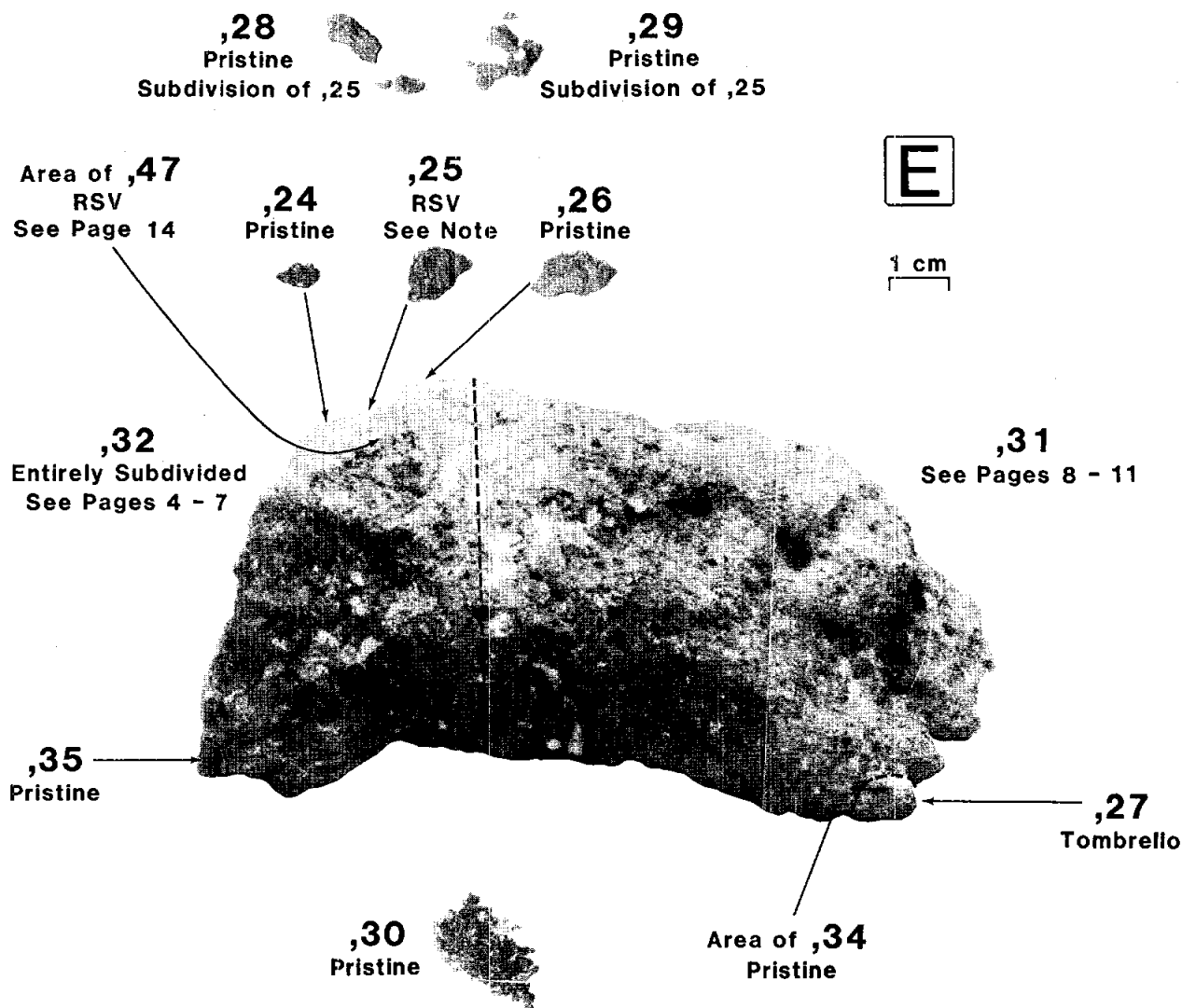
Subdivisions of ,9

- ,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:

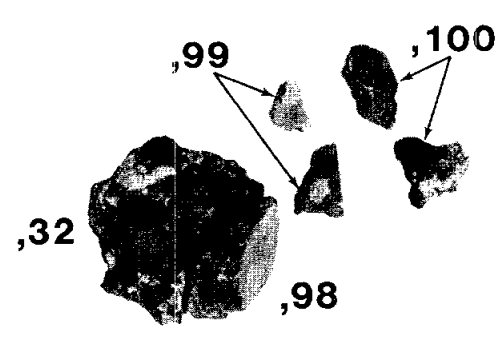
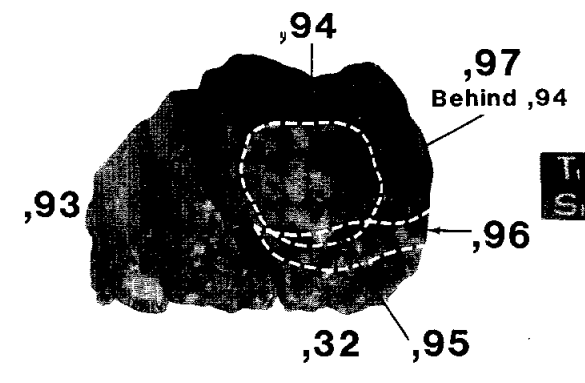
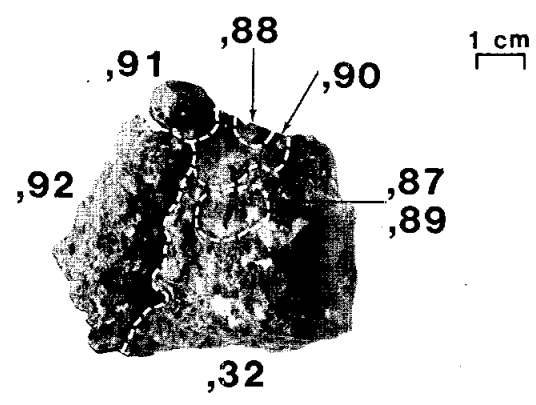
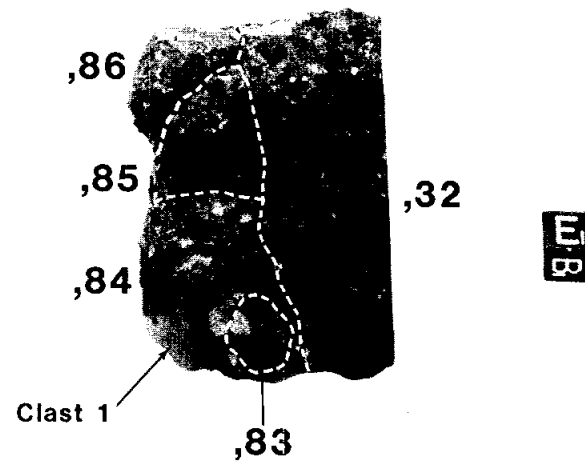
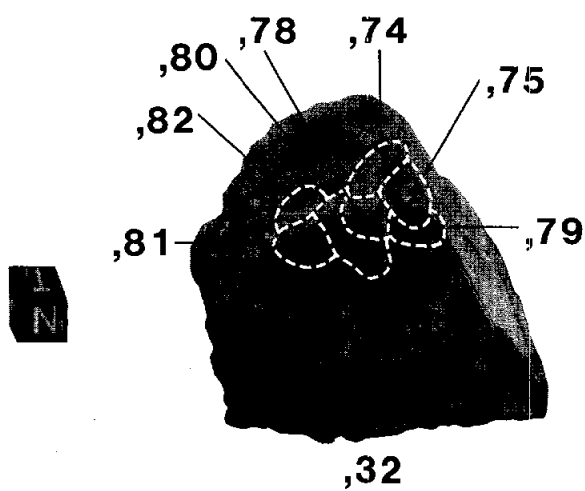
Subdivision of ,25
,186 - Consumed

Not Pictured:

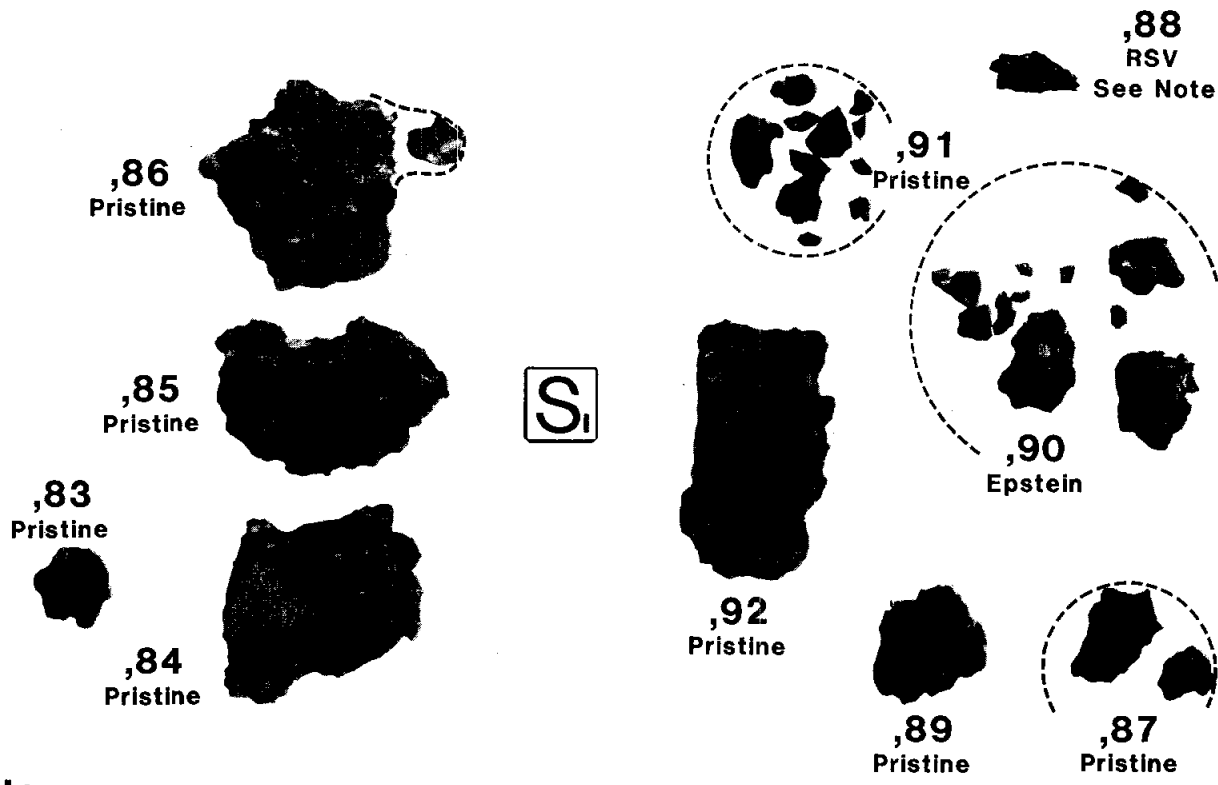
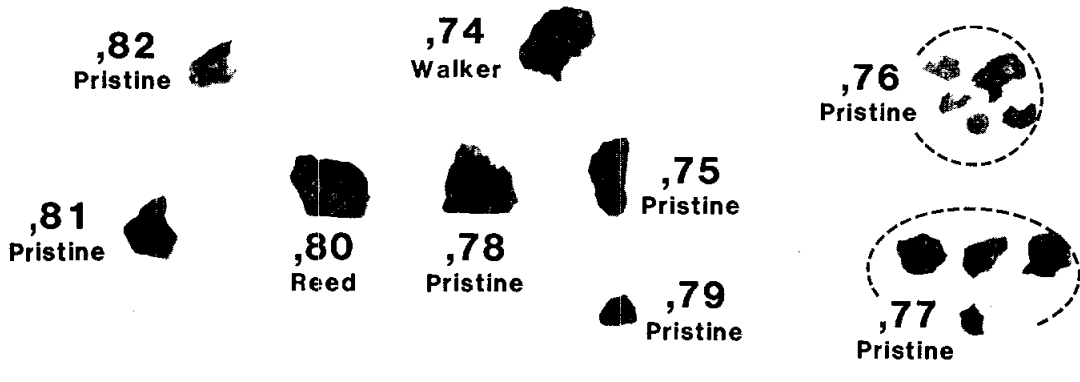
- ,33 - Pristine chip from W, B corner of sawed surface of ,31
- ,46 - Pristine chip from W, T surface corner of sawed surface of ,32
- ,61 - RSV, chips from N surface of ,46. See Page 15
- ,62 - Pristine chips from N surface of ,46 (Subdivision: ,207 - Marti)

68815, 32 Major Subdivisions

See Pages 5 - 7 for Present Distribution



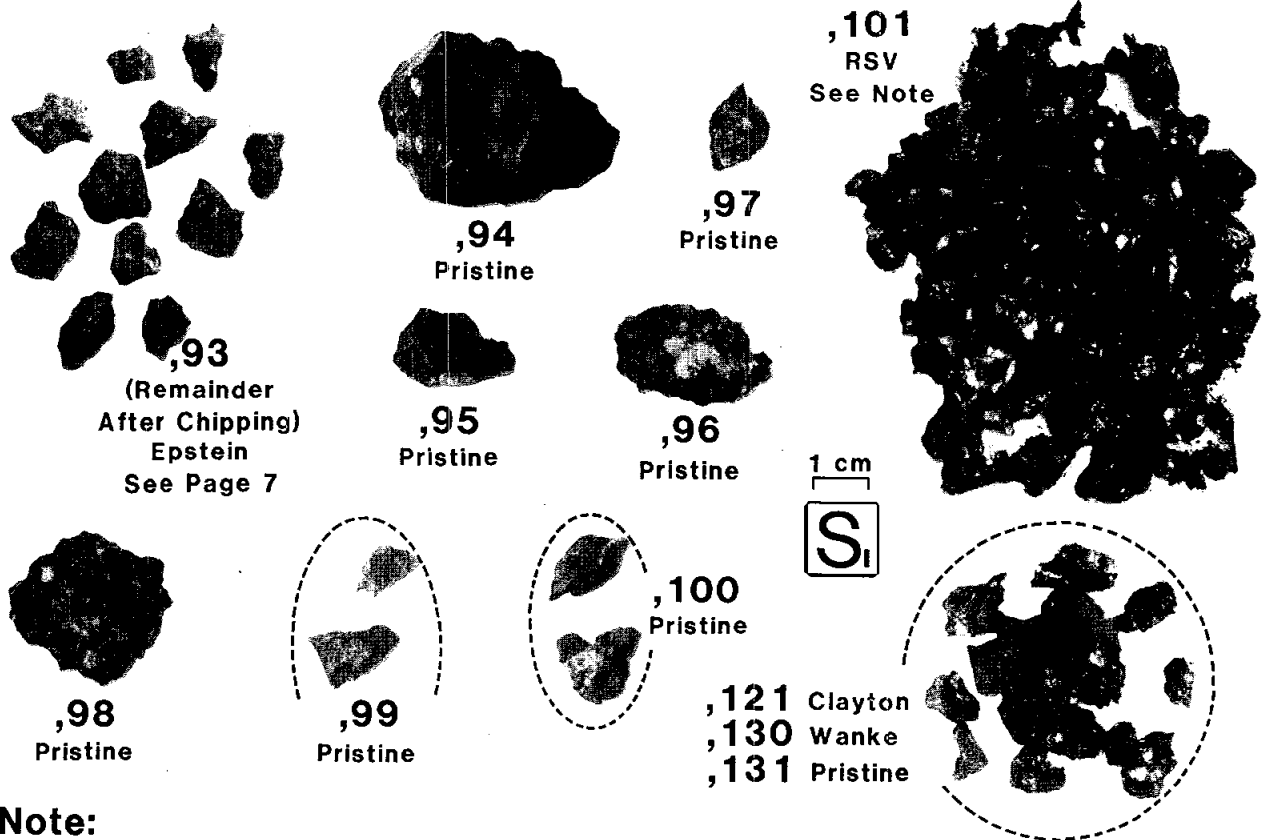
68815, 32 (Continued) Post-chipping Showing Present Distribution



Note:

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

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



Note:

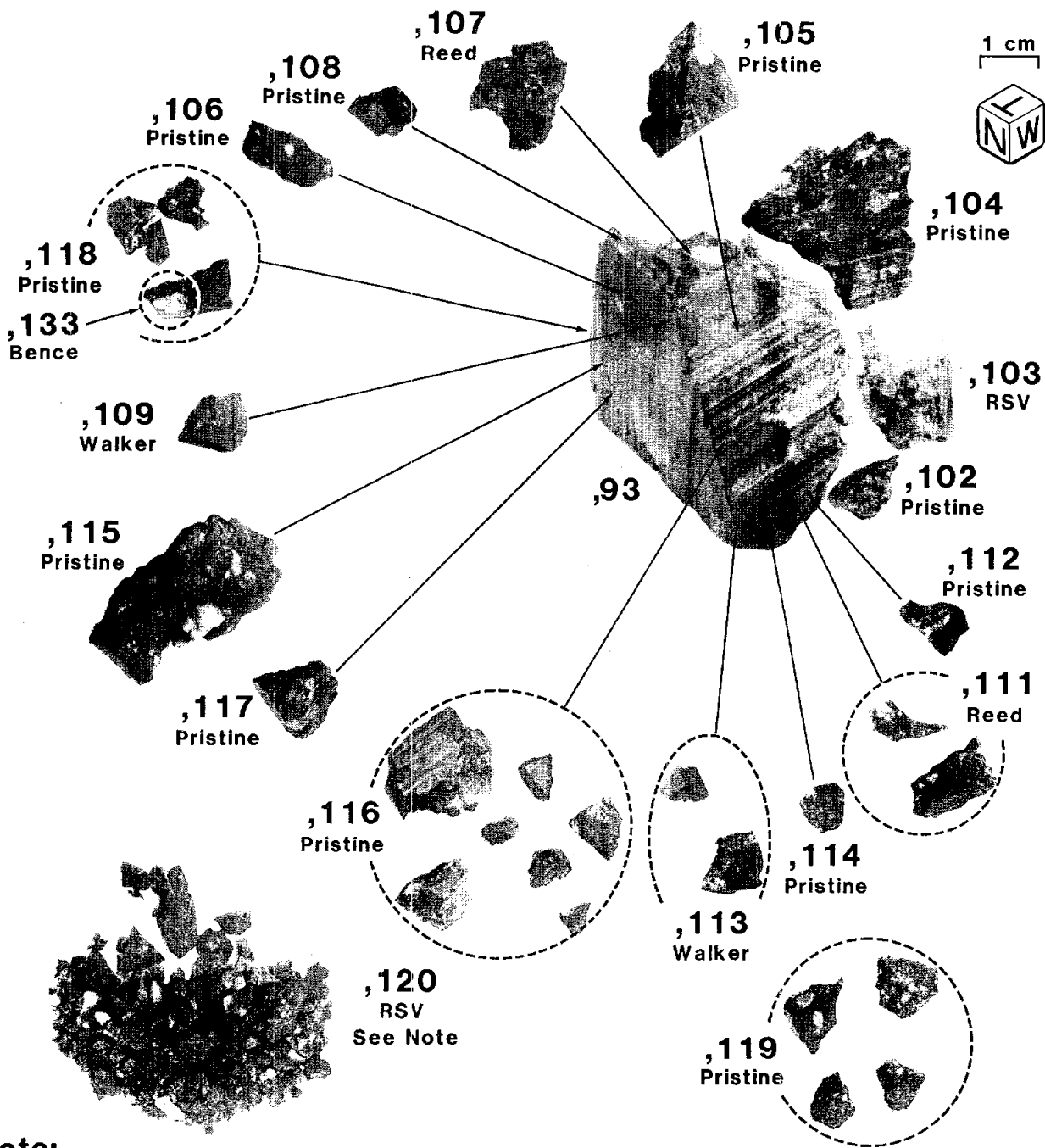
Subdivision of ,101
,181 - Consumed

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:

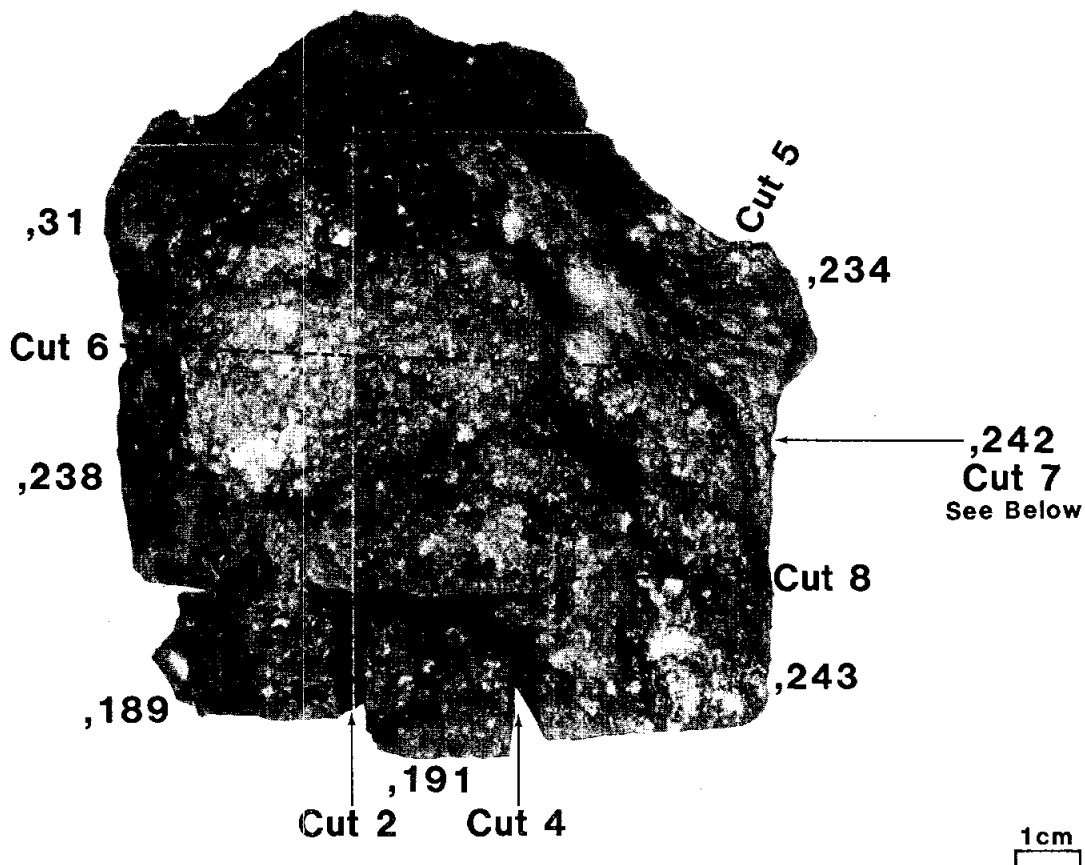
- Subdivisions of ,120
- ,179 - RSV
- ,180 - Consumed

68815, 31 Major Subdivisions

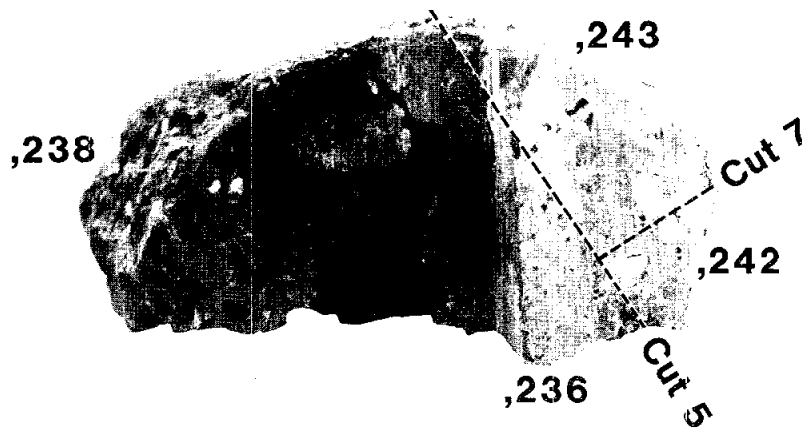
See Pages 9 - 11 for Present Subdivisions

Note: Locations of saw-cut lines are approximate.

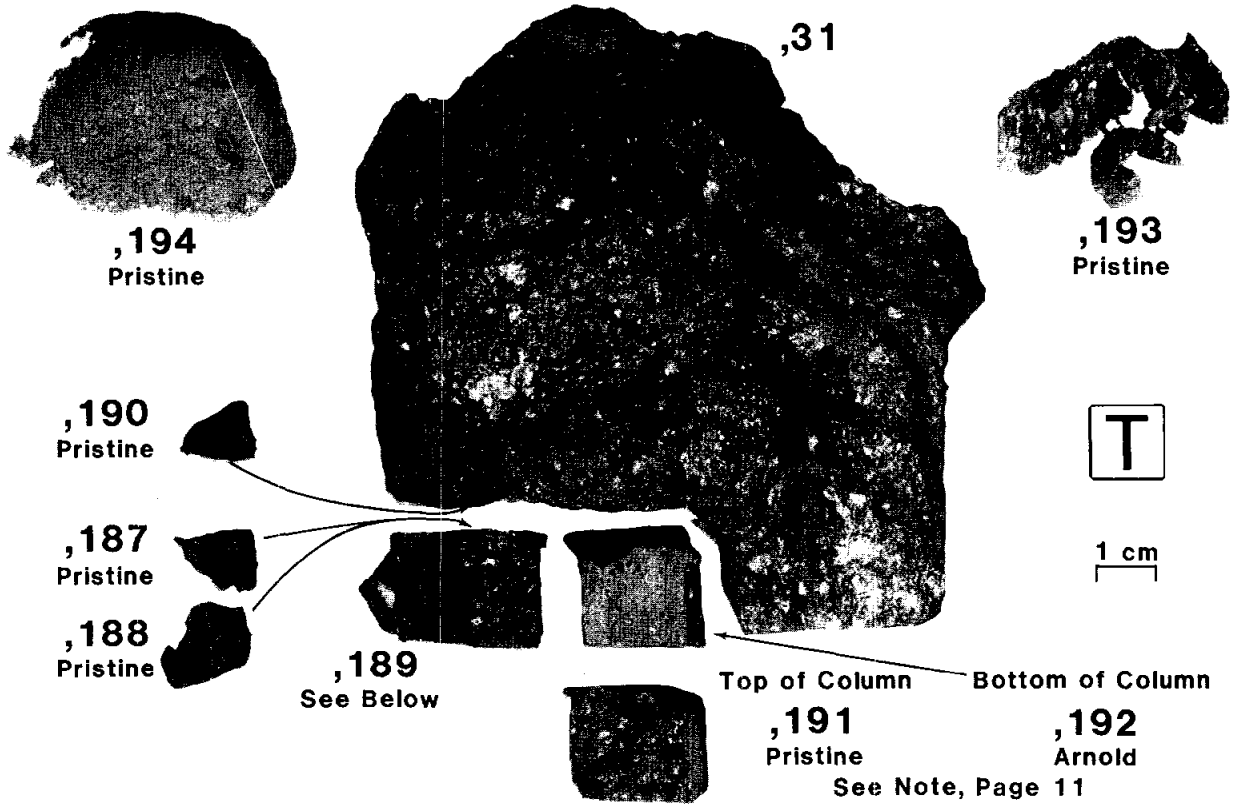
T



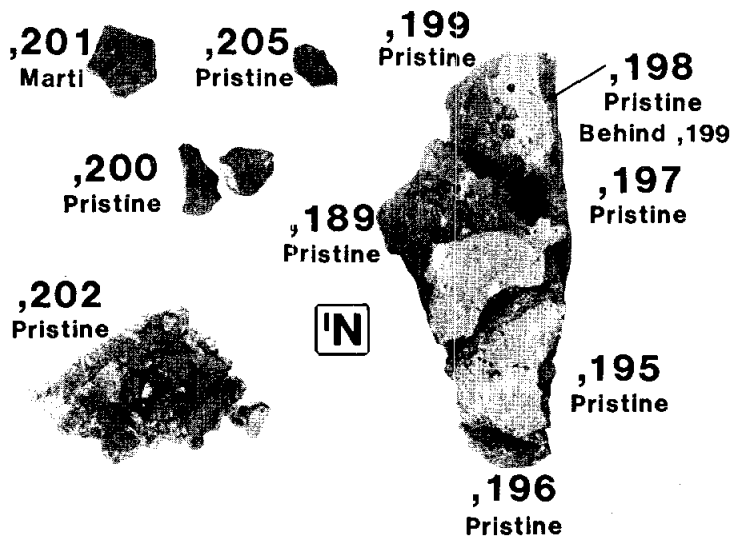
S₁



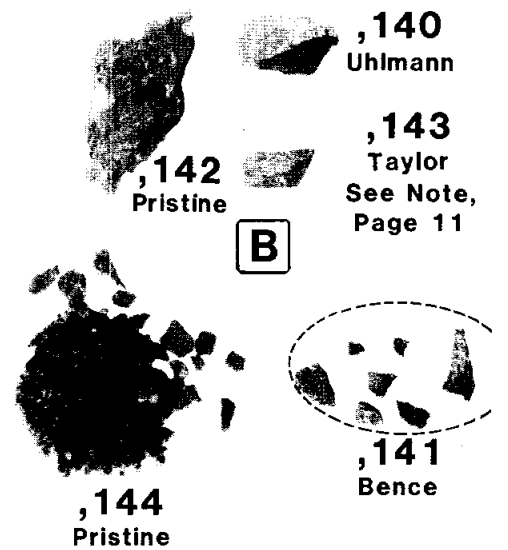
68815, 31 (Continued) Post-cutting and chipping, Exploded View Showing Present Distribution



Subdivision of ,189 Column



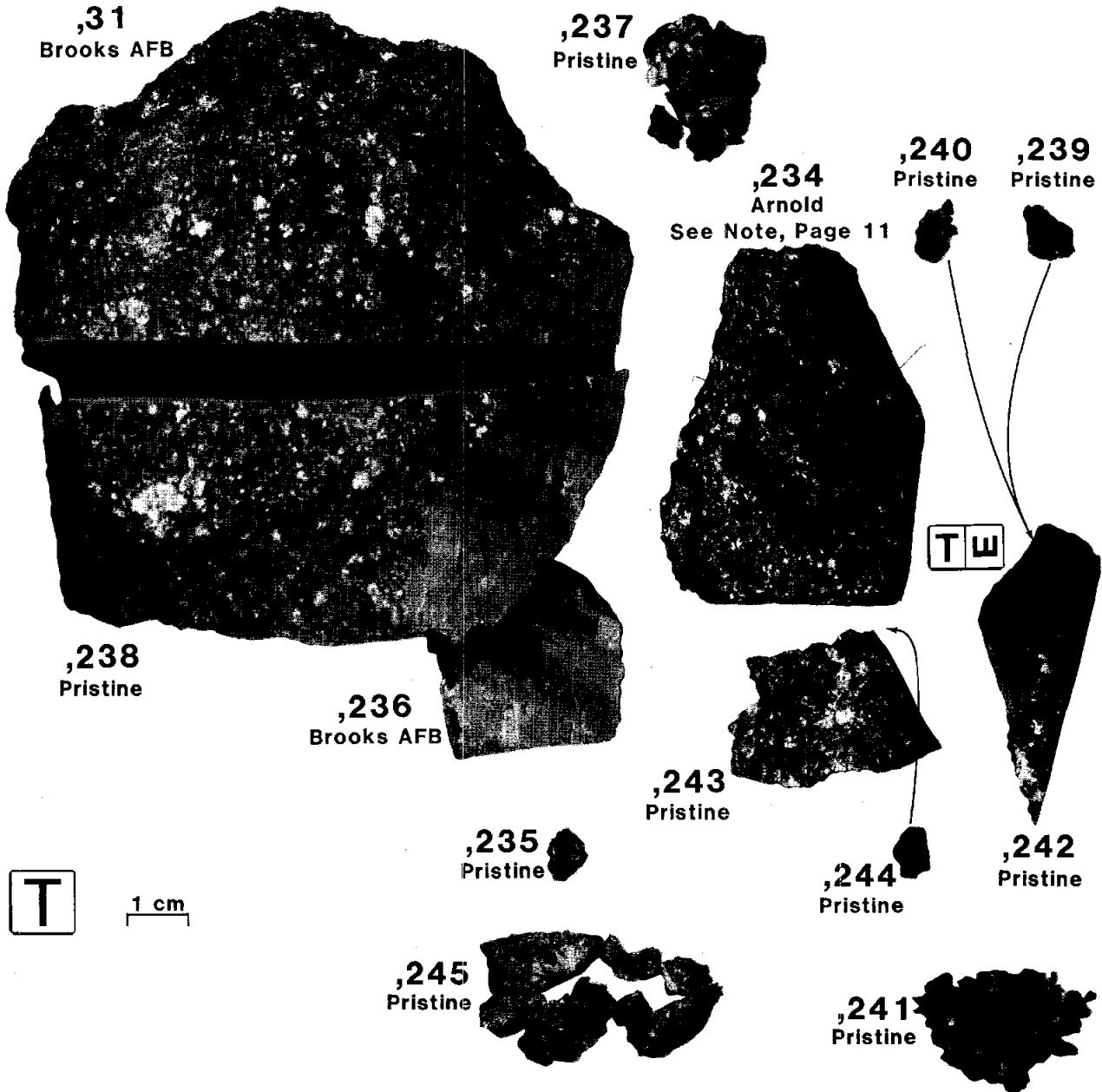
Samples from B Surface



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

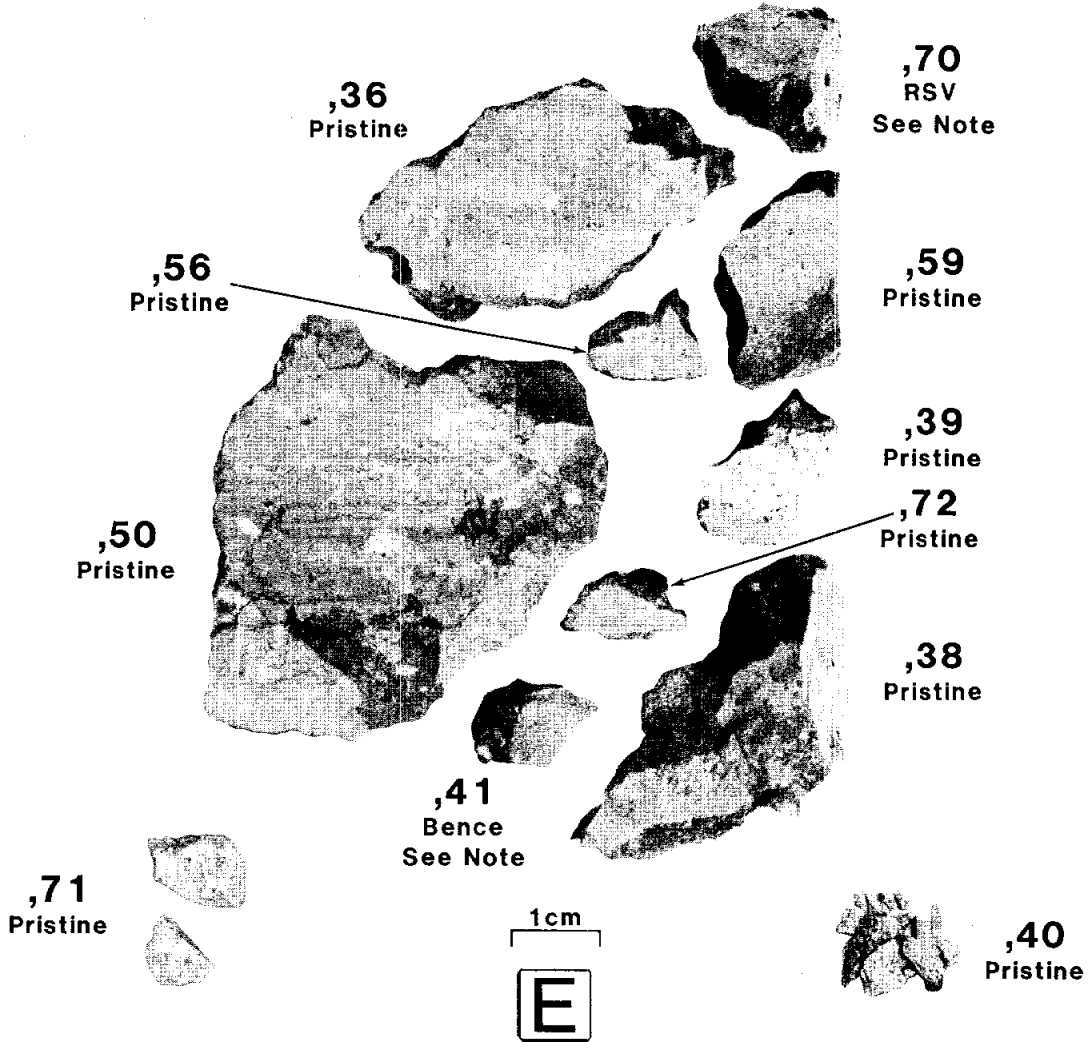
,9014 - Marti

,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:

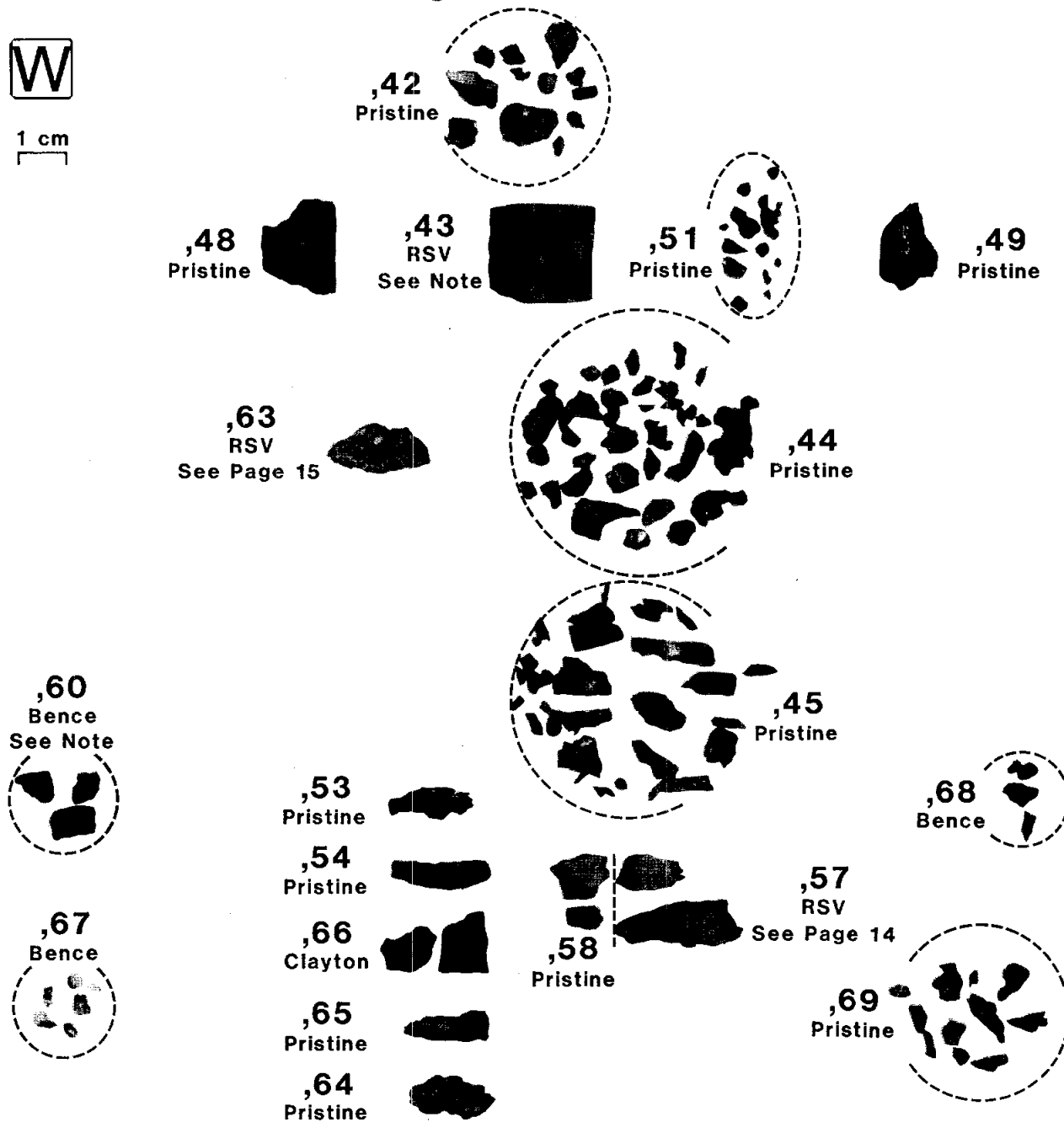
,55 - Pristine chips and fines



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



1 cm



Note:

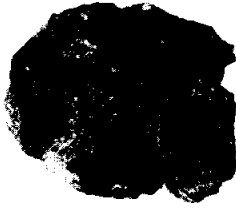
Subdivision of **,43**
,166 - Consumed

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

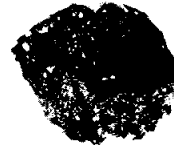
68815 - Thin Section Samples

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

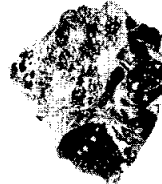
Thin Sections:
,146 - Adams

,147 - Library

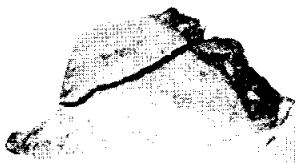


,148 - James

,149 - Library



68815, 57 →



Thin Sections:

,150 - James

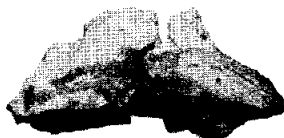
,151 - Bence



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 | | | Goe1 | (4 fresh interior) | |
| ,128 | 0.345 | ,32 | RSV | Goes | 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 | |