

APOLLO 15

Station 7 cont.:

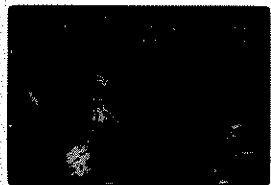
15459-15465

11, 8 NOV 1968  
15459, 3 5.3



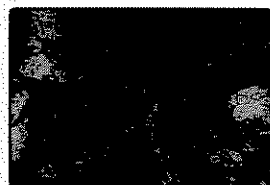
Same as 9, closer. Note  
tongues of glassy stuff  
LH, breaking to thin elst

12, 8 NOV 1968  
15459, 3 5.3



Same as 11, LCN

13, 8 NOV 1968  
15459, 3 3.7



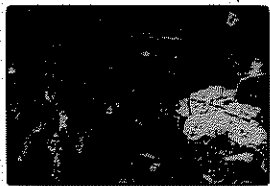
Same as 9, closer

14, 8 NOV 1968  
15459, 3 3.7



Same as 13, LCN

15, 8 NOV 1968  
15459, 3 2.2



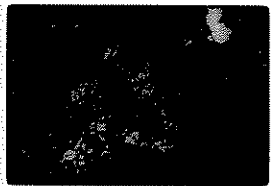
Same as 9, closer. Note cross-  
ed bas-gabb. - in the A3 & the  
whole of clast in drk vitreous-  
blastic porous matrix

16, 8 NOV 1968  
15459, 4 0.6



Same as 31, closer - recall  
PX, PX, OPQ

17, 8 NOV 1968  
15459, 4 2.2



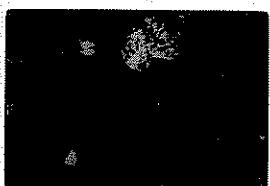
Same as 31, LCN

18, 8 NOV 1968  
15459, 4 2.2



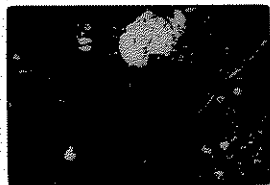
Finely relict px, px + delicate  
opq in small dark clast

19, 8 NOV 1968  
15459, 4 5.3



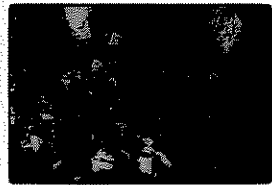
Same as 29, LCN

20, 8 NOV 1968  
15459, 4 5.3



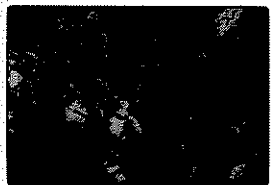
Same as 27, closer. Small  
crystal host in youngest  
matrix.

21, 8 NOV 1968  
15459, 4 3.7



Nearly same view as 20 -  
lt yell glass veins xing  
clasts & matrix

22, 8 NOV 1968  
15459, 4 3.4



ht. yellow glass veins xing  
clasts & matrix

23, 8 NOV 1968  
15459, 4 0.6



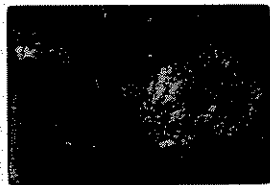
Clast of meta-elasticite (D1)  
like matrix of 455-405 in  
youngest matrix

24, 8 NOV 1968  
15459, 4 0.6



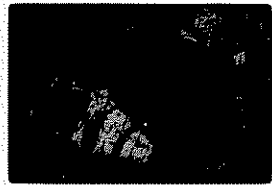
Same as 33, LCN

25, 8 NOV 1968  
15459, 3 0.9



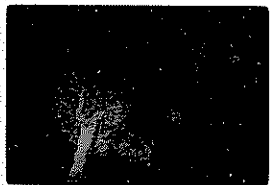
Crushed bas-gabb clast -  
matrix pseudo-tachy-like  
texture. Striched; weakly relict

26, 8 NOV 1968  
15459, 3 2.2



Same as 21, LCN

27, 8 NOV 1968  
15459, 3 2.2



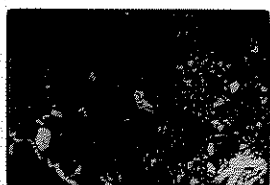
Broken gabbro of gabbroic an-  
orthositic clasts

28, 8 NOV 1968  
15459, 4 8.2



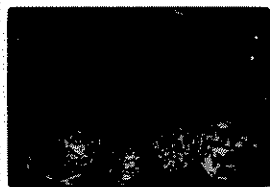
Same as 27, LCN

29, 8 NOV 1968  
15459, 4 9.2



Other side same clast as 25  
in youngest glassy matrix

25,8 NOV 1978  
15459,4 8.2



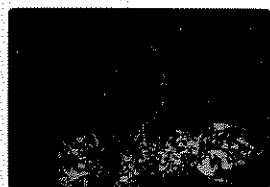
Same as 25, 4XN

21,8 NOV 1978  
15459,3 0.9



Fields clast injected by brown glass

2,8 NOV 1978  
15459,4 8.2



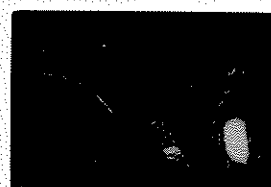
Clast of flow-banded decrit. glass in coarse basalt debris

10,8 NOV 1978  
15459,3 0.6



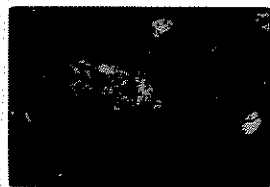
Same as 9 clast. Note small A-3 in granoblastic matrix

2,8 NOV 1978  
15459,3 0.9



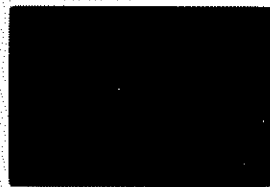
Same as 23 4XN

6,8 NOV 1978  
15459,16 2.2



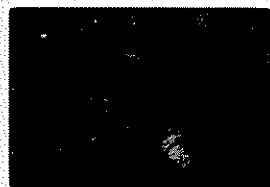
Same as 5 4XN

7,8 NOV 1978  
15459,16 0.9



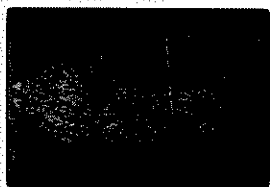
Partly relict, crushed PC (D4)

6,8 NOV 1978  
15459,16 0.9



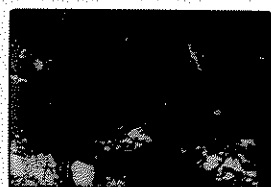
Same as 7 4XN

7,9 NOV 1978  
15459,4 0.9



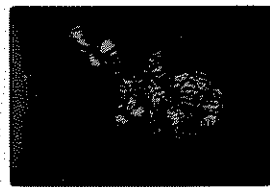
Partly relict, crushed; low-banded margins + growth of relict "variolite"

2,9 NOV 1978  
15459,4 3.4



Minor effect of glass vein cutting A3 clast

8,9 NOV 1978  
15459,4 0.9



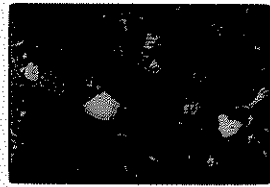
Same as 7, 4XN

3,9 NOV 1978  
15459,4 0.9



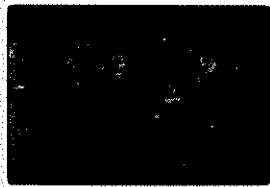
D2 clast in A3 clast [D2 → A3 → cataclastic (bas) → soil breccia]

9,9 NOV 1978  
15459,4 2.7



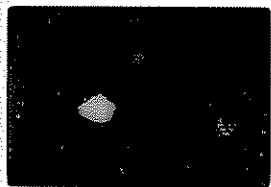
Matrix; bent glass shards

4,9 NOV 1978  
15459,4 0.9



Same as 3 4XN

10,9 NOV 1978  
15459,4 2.7



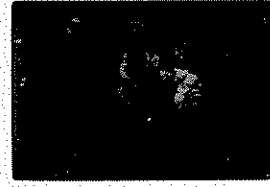
Same as 9 4XN

5,9 NOV 1978  
15459,4 0.6



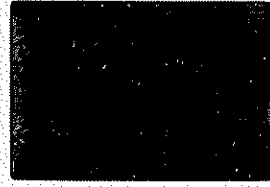
Partly relict, app. 01 K15 clast in A3 clast

16,9 NOV 1978  
15459,13 0.6



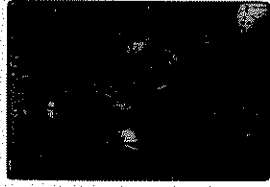
~~Coarse D2 in youngest matrix~~ Same as 15 4XN

17,9 NOV 1978  
15459,13 0.6



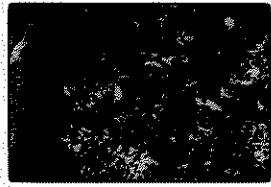
~~Coarse~~ D2 with poikilob. cpx in youngest matrix

18,9 NOV 1978  
15459,13 0.6



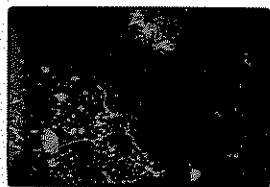
Same as 17, 4XN

11,9 NOV 1978  
15459,13 5.3



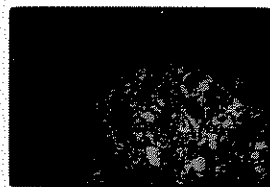
Vein. glass veins xing matrix bleed with A3 clast - gen. in clast?

12,9 NOV 71 P8  
15459,13 6.6



Flow banding in A3 clast

13,9 NOV 71 P8  
15459,13 5.3



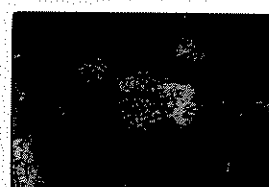
Crushed optically transparent basaltic matrix of A3 clasts

14,9 NOV 71 P8  
15459,13 5.3



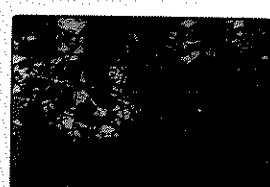
Same as 13 LXXIV

15,9 NOV 71 P8  
15459,13 0.6



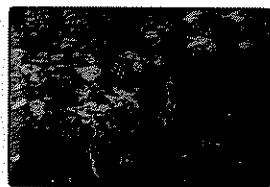
D2 clast in youngest matrix

24,9 NOV 71 P8  
15459,13 2.2



Same as 23 LXXIV

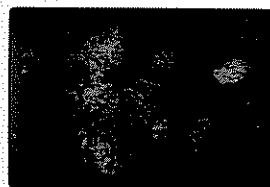
18,9 NOV 71 P8  
15459,13 3.4



See # 23

A3 broken & forming clasts in shattered optically transparent basaltic matrix, all in brown, glassy matrix

25,9 NOV 71 P8  
15459,13 2.7



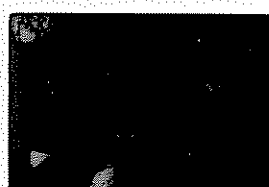
Partly melted perovskite-rich clast in A3 clast, some matrix glass, broken glass

26,9 NOV 71 P8  
15459,14 0.9



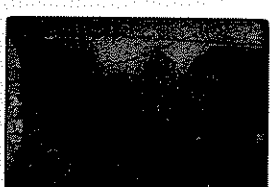
Oliv. vitrophyre clast. Note colorless glass

27,9 NOV 71 P8  
15459,14 0.9



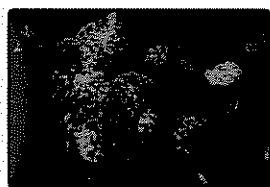
Same as 26 LXXIV

28,9 NOV 71 P8  
15459,14 2.2



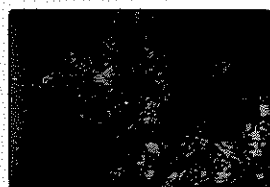
2-Oliv. vitrophyre spherule? colorless glass. Perovskite, olivine in wavy fields

20,9 NOV 71 P8  
15459,13



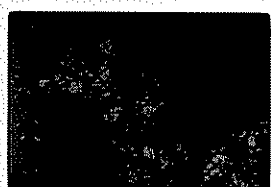
Clasts in A3 clast

21,9 NOV 71 P8  
15459,13



A3 clasts in shattered optically transparent basaltic matrix

22,9 NOV 71 P8  
15459,13



Same as 21 LXXIV

23,9 NOV 71 P8  
15459,13 2.2



Faulted A3 clast - thin glass veins along fault

29,9 NOV 71 P8  
15459,14 2.2



Same as 28 LXXIV

30,9 NOV 71 P8  
15459,14 0.9



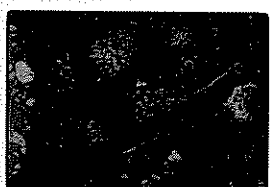
Same as 28, closer

31,9 NOV 71 P8  
15459,15 3.4



Partly crushed 'enstatite' + perovskite debris, partly vesiculated

31,9 NOV 71 P8  
15459,14 2.2



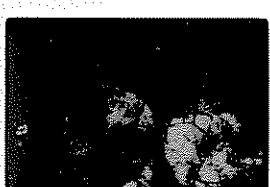
D2 glassy microbreccia clast, broken glass spherules

32,9 NOV 71 P8  
15459,15 2.2



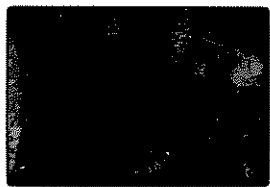
Perovskite clast in A3 clast - shattered & partly fused

32,9 NOV 71 P8  
15459,15 2.2



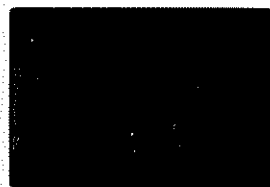
Same as 32 LXXIV

34,9 NOV 71PS  
15459,15 3.4



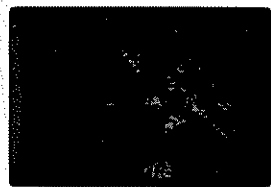
Large Al, underwit + c2  
clasts

35,9 NOV 71PS  
15459,15 3.4



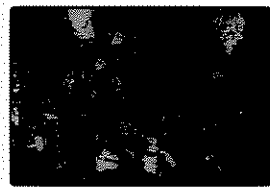
Flow banded Al clast

6,9 NOV 71PS  
15459,4 0.6



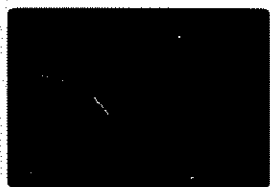
Same as 5, uxn

1,9 NOV 71PS  
15459,4 3.4



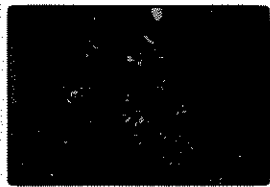
ht yell. glass veins xing  
clasts + matrix

15459



8.1. 100 - 2

3,3 SEP 71PS  
15459,4 2.2



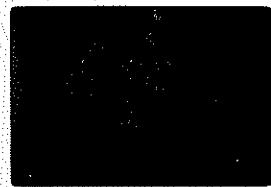
Same as 36 uxn

2,7 NOV 71PS  
15459,7 8.2



Crushed oplit. bas. containing  
H3 20. cm or Prod. in cl. 1

3,3 SEP 71PS  
15459,4 2.2



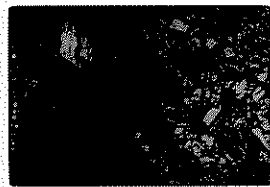
D16 in flow-banded  
glass

25,7 NOV 71PS  
15459,7 8.2



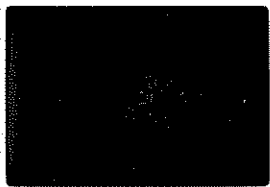
Same as 27 uxn

34,7 NOV 71PS  
15459,18 3.4



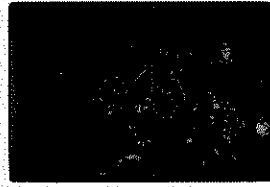
Same as 33 uxn

29,7 NOV 71PS  
15459,17 8.2



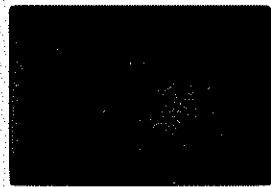
Relicts of oplit. bas. in  
crushed oplit. + bas. debris  
+ H3 clasts

30,7 NOV 71PS  
15459,17 8.2



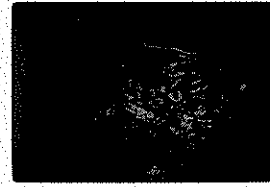
same as 29 uxn

31,7 NOV 71PS  
15459,16 8.2



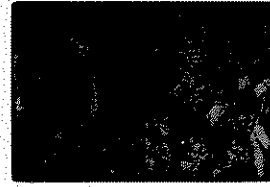
Relicts of oplit. bas. in  
crushed oplit. + bas. in young  
Ht matrix w/ glass

32,7 NOV 71PS  
15459,18 8.2



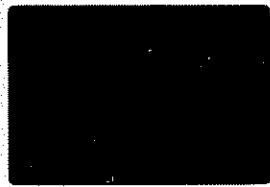
same as 31 uxn

35,7 NOV 71PS  
15459,16 3.4



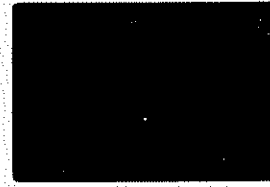
Crushed bas. in cut. with  
youngest, glassy, matrix

15465



18 OCT 71PS

15465



3 OCT 71PS

APOLLO 15

Station 9:

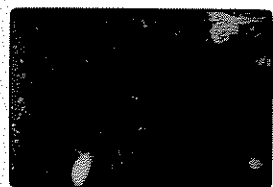
155055

23, 24 JAN 75P3  
15505, 55 8.2



LLXIV

22, 24 JAN 75P3  
15505, 55 8.2



soil bx

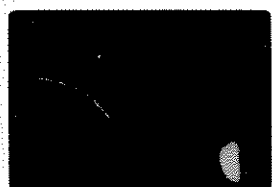
15505



941, 100

4

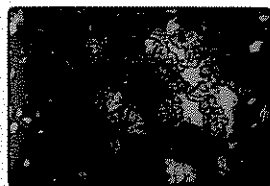
15505



941, 100

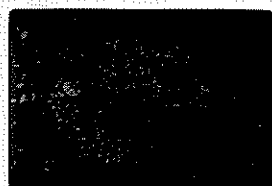
6

5, 18 DEC 71P3  
15515, 51 2.7



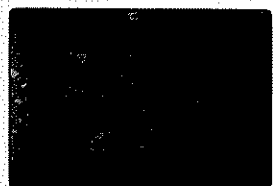
535-type of 499-type bas.  
clasts + a "diamond"

4, 18 DEC 71P3  
15515, 52 3.4



Same as 3 LLXV

3, 18 DEC 71P3  
15515, 52 3.4



Ol phytic bas so. finer gr  
3rd than 535

2, 18 DEC 71P3  
15515, 52 3.4



Same as 1 LLXV

1, 18 DEC 71P3  
15515, 52 3.4



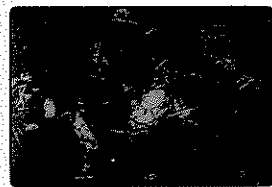
535-type ol bas, zoned cl.  
Vesicles filled w. matrix  
mat.

34, 18 DEC 71P3  
15515, 70 3.4



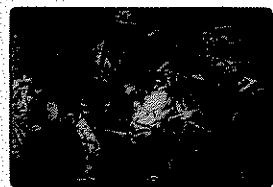
Continental basalt-like  
14310

36, 18 DEC 71P3  
15515, 70 3.4



Same as 34 LLXV

35, 18 DEC 71P3  
15515, 70 3.4



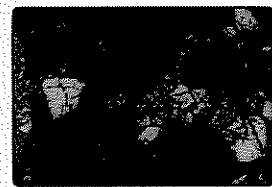
Same as 34 LLXV

16, 12 NOV 71P3  
15553, 9 2.7



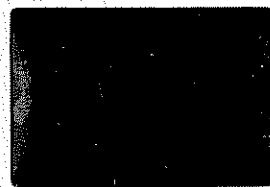
Apophanite + minor cl? -  
Recliz.

17, 12 NOV 71P3  
15553, 9 2.7



Same as 16 LLXV

15, 12 NOV 71P3  
15553, 9 0.9



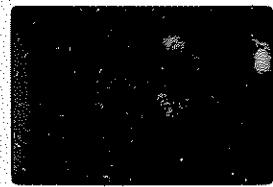
Ophit. bas. cpx, pp, op? +  
muo, pyroxenite?

18, 12 NOV 71P3  
15553, 9 0.9



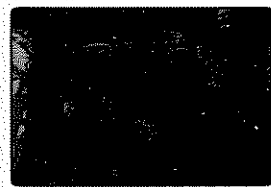
Same as 15 LLXV

31, 12 NOV 71P3  
15553, 5 0.6



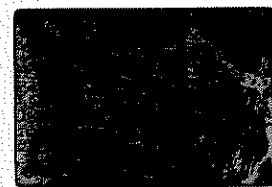
Same as 30 LLXV

30, 12 NOV 71P3  
15553, 5 0.6



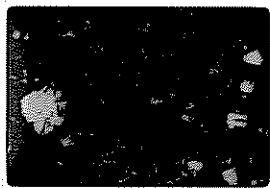
Well rounded O2-clast  
w. poikilobl. texture

29, 12 NOV 71P3  
15553, 9 0.9



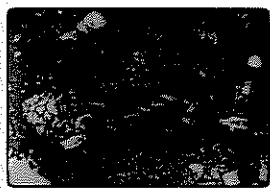
PC-cpx-opx varisitic clast

25, 12 NOV 71 15553, 9 2.2



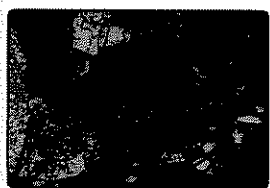
Same as 22 UCN

22, 12 NOV 71 15553, 9 2.2



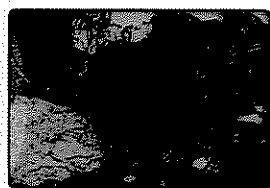
Vitroplage - yellow layers  
brown dx in microlite, dark  
brown base pc

29, 12 NOV 71 15553, 9 3.4



Same as 25 UCN

28, 12 NOV 71 15553, 9 3.4



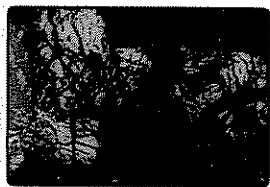
Layered vitroplage - note  
big cl in yellow glass bands,  
big dx in brown

27, 12 NOV 71 15553, 9 0.9



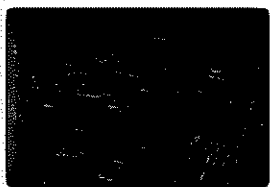
Same as 26 UCN

21, 12 NOV 71 15553, 9 0.9



Same as 20 UCN

25, 12 NOV 71 15553, 9 0.9



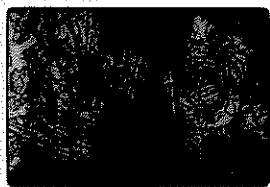
Same as 24 UCN

26, 12 NOV 71 15553, 9 0.9



Qtz-K-spar intergr. clast?

26, 12 NOV 71 15553, 9 0.9



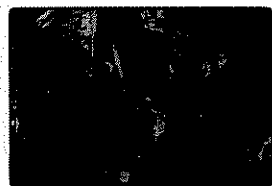
2 bro clasts, 1 w cliv

APOLLO 15

Station 9A:

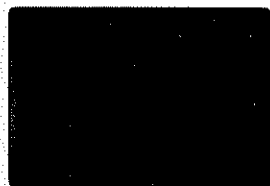
15528-15597

20, 22 MAY TIPS  
15528, 6 2.2



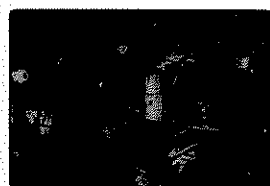
Same as 25 LKN

23, 22 MAY TIPS  
15528, 6 2.2



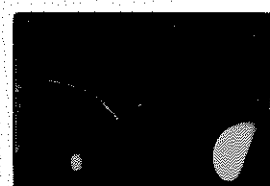
Feldspar-rich interstitial  
basalt clast in soil bx

24, 22 MAY TIPS  
15528, 6 2.2



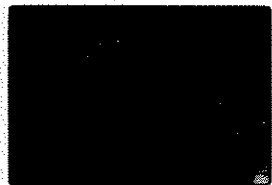
Same as 23 LKN

25, 22 MAY TIPS  
15528, 6 2.2



Another like 23; Distinc-  
tive curved pc

11, 4 SEP TIPS  
15535, 9 3.3



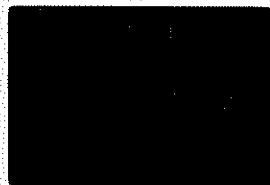
Similar to 545, few  
pl enclosing px

12, 4 SEP TIPS  
15535, 9 3.3



Same as 11 LKN

13, 4 SEP TIPS  
15535, 9 3.3



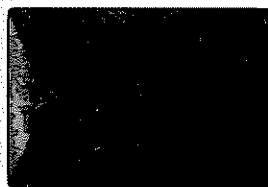
pc poik enclosing px

14, 4 SEP TIPS  
15535, 9 3.3



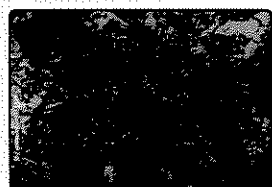
Same as 13 LKN

① RS-2=14, 24 SEP TIPS  
15535, 15 6.6



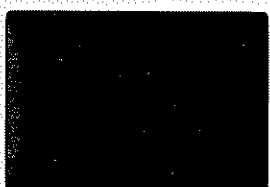
Oliv. Bas.

② RS-2=14, 25 SEP TIPS  
15535, 15 6.6



Same as 7 LKN

24, 5 SEP TIPS  
15535, 9 3.3



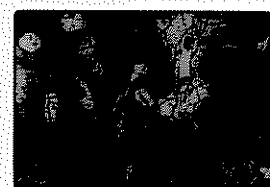
Oliv basalt. Oliv. zoned  
px and in pc

30, 22 MAY TIPS  
15538, 5 3.4



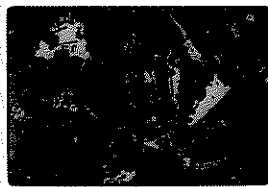
Diabasei bas. P. poik.

34, 22 MAY TIPS  
15538, 5 3.4



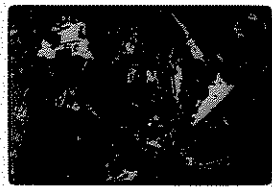
Same as 33 LKN

35, 5 SEP TIPS  
15545, 2 3.3



Same as 34 LKN

37, 5 SEP TIPS  
15545, 2 3.3



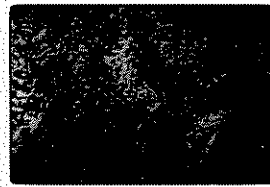
Same as 34 LKN <sup>35/12</sup>

⑬ RS, 2=14, 28 SEP TIPS  
15545, 4 8.2



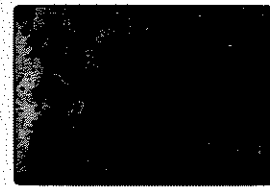
Ol bas

⑭ RS, 2=14, 29 SEP TIPS  
15545, 4 8.2



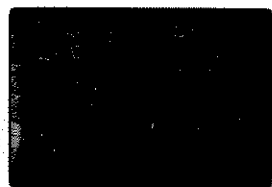
Same as 13 LKN

⑮ RS, 2=14, 29 SEP TIPS  
15545, 4 5.3



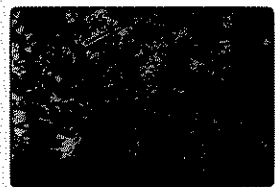
Ol bas

34, 5 SEP 71P6  
15545, 2 3.3



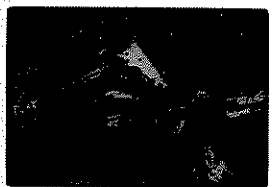
Oliv. Basalt like 535

⑩ RS, 2 DEC 71P3  
15545, 4 5.3



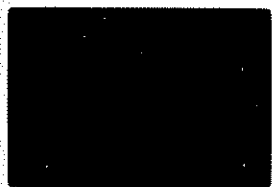
Same as 15 UCN

6, 4 SEP 71P6  
15545, 2 3.3



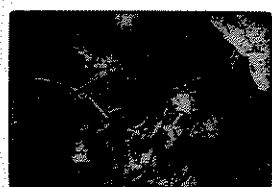
Same as 5 UCN

5, 4 SEP 71P6  
15545, 2 3.3

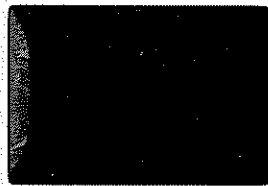


Oliv. basalt, po enclosed  
px

23, 14 NOV 71P1  
15555, 36 8.6

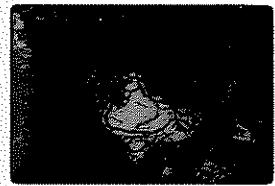


37, 1 SEP 71P1  
15555, 38 3.4



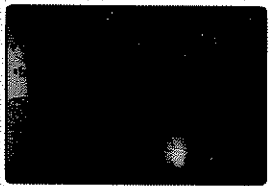
Texture of Great Scott  
Olivine

37, 1 SEP 71P1  
15555, 38 3.4



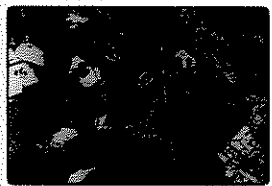
Same as 36 UCN

37, 1 SEP 71P1  
15555, 38 3.4



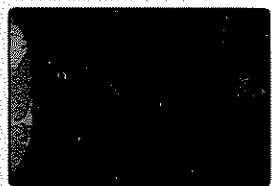
Texture of Great Scott

37, 1 SEP 71P1  
15555, 38 3.4



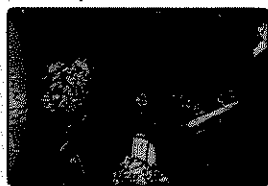
Same as 32 UCN

37, 1 SEP 71P1  
15555, 38 3.4



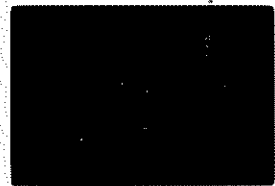
Texture of Great Scott

35, 1 SEP 71P1  
15555, 38 3.4

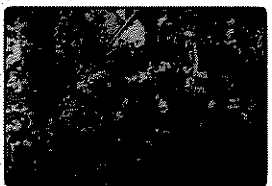


Same as 34 UCN

22, 14 NOV 71P3  
15555, 36 6.6

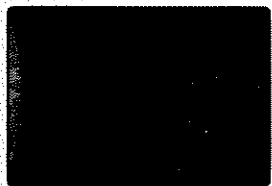


31, 18 DEC 71P3  
15556, 137 3.4



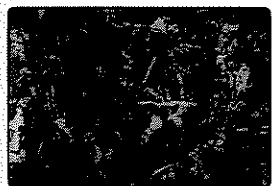
Same as 30 UCN

30, 18 DEC 71P3  
15556, 137 3.4



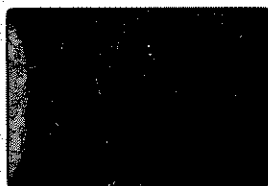
Aphyric bas., vesicles

29, 18 DEC 71P3  
15556, 137 3.4



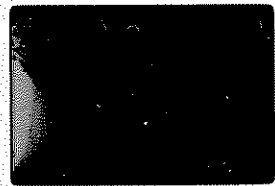
Same as 28 UCN

20, 18 DEC 71P3  
15556, 137 3.4



Aphyric basalt

⑨ RS, 2 = 14, 31 DEC 71P3  
15556, 33 5.3



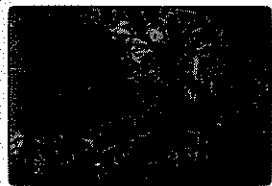
Ol bas

⑪ RS, 2 DEC 71P3  
15556, 33 5.2



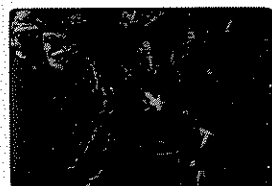
Ol bas

⑩ RS, 2 DEC 71P3  
15556, 33 5.2



Same as 17 UCN

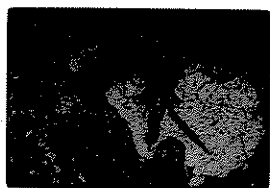
⑫ RS, 2 = 14, 31 DEC 71P3  
15556, 33 5.3



Same as 19 UCN

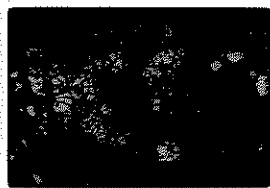


1,14 NOV 71 2.2  
15565,44



RK Gray w. cpx (? in 20 (-)),  
exsol. Xema. d. de form. dem.  
Lysosomal - vacuolar - w/ some  
granular contents. Pz - Mastellum.

2,14 NOV 71 2.2  
15365,44



Same as 1, UxN

3,14 NOV 71 0.9  
15365,44



Same as 1 closer, showing  
granular - vacuolar - cpx  
along boundary of gran

4,14 NOV 71 0.9  
15365,44



Same as 3 UxN

24,24 JAN 75P3 8.2  
15595,30



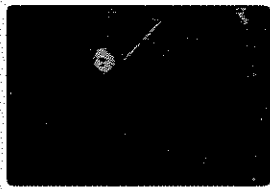
Basall

25,24 JAN 75P3 8.2  
15595,30



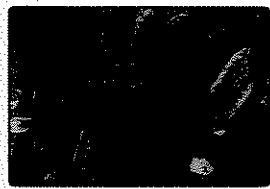
UxN

22 2.2  
15596,16



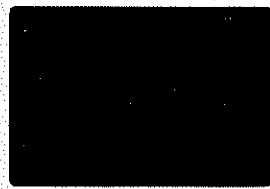
UxN only, terminal  
zoned pigeonite

22 3.4  
15596,16



UxN only, terminal  
zoned pig.

15596



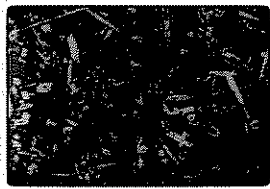
SPILL 100 6

15596



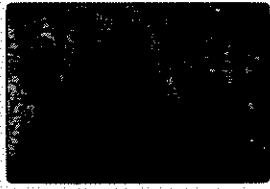
OCT 71P5 22

27,18 DEC 71P3 3.4  
15597,23



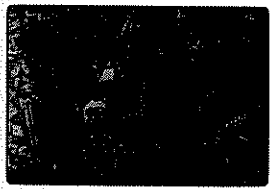
Same as 26 UxN

28,18 DEC 71P3 3.4  
15597,23



Pigeonite Vitroplage

8,5 SEP 71P6 3.3  
15597



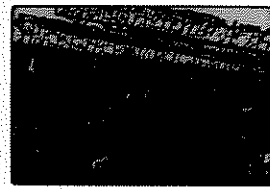
Hollow zoned px vitro-  
plage. Skeletal division  
mt (gold UxN)

34,4 SEP 71P6 3.3  
15597



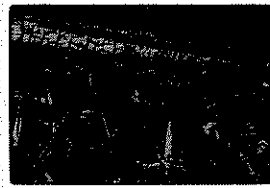
Same as 31 UxN

35,4 SEP 71P6 3.3  
15597



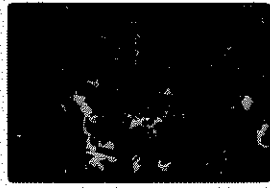
Px plumbeous

37,4 SEP 71P6 3.3  
15397



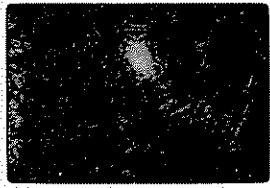
Same as 35 UxN

31,4 SEP 71P6 3.3  
15397



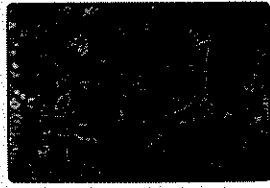
Zoned hollow pxs in  
glass

12,5 SEP 71P6 3.3  
15397



Px Vitroplage

13,5 SEP 71P6 3.3  
15397



Same as 12 UxN

16,5 SEP 71P6 0.9  
15397



Close up zoned pxs