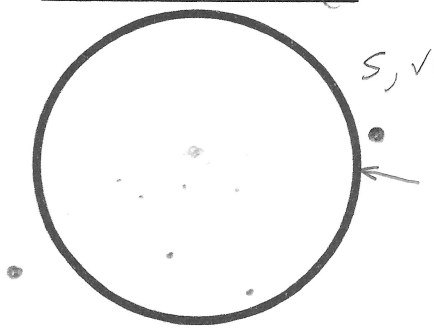
All 22
G6-14 seen
1x 1 Mdbmos
= E Cas @ best
1142 UT

SMOKE

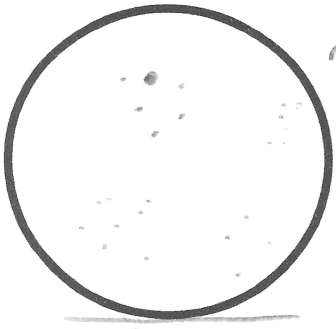
DATE= 9/10/2023 TIME= 2:00 UT SITE= ACT C= III S= III SCOPE=22UC @240X

N 7190 (REVISIT)



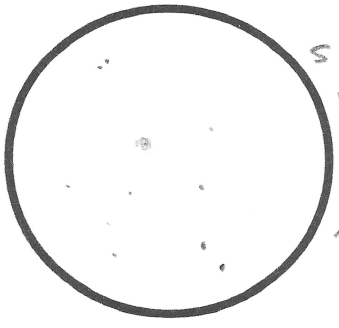
S, VF, R

N7193



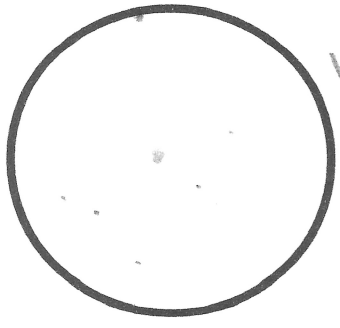
n/a – NEJS
GROUP OF
5 STARS

N7512



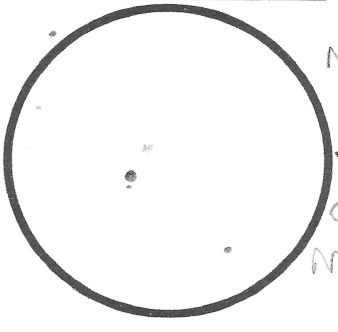
S in center
w/dV
gx w/AV
S, R, VF

N 7543



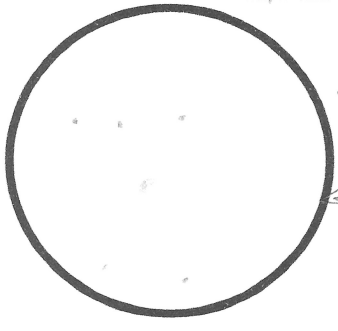
VS, F, R
BUT GREAT
FS TO E.

N 7728



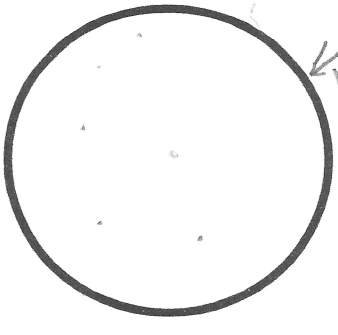
NEAR 10m
FS, WHICH
HAS
COMES
NO DETAIL

N 7737



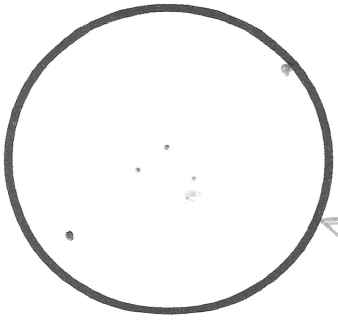
AV=3
VS, VF

N 7740



VS VVF
AV=3

N7747

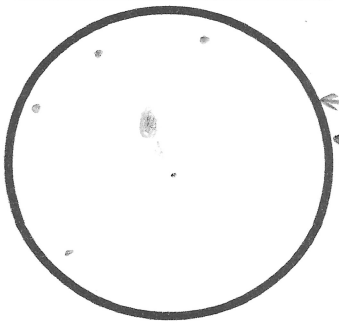


S, R, VF

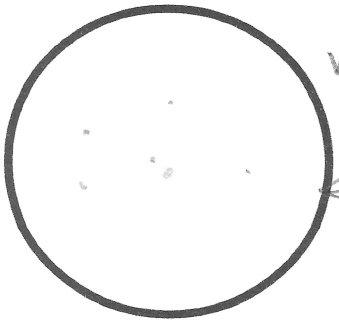
Smoke

DATE= 9/10/2023 TIME=2150UT SITE= ACT C=III S=III SCOPE=22UC @240X

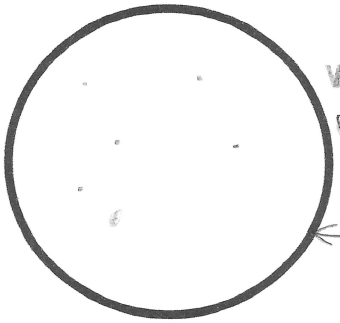
N7752



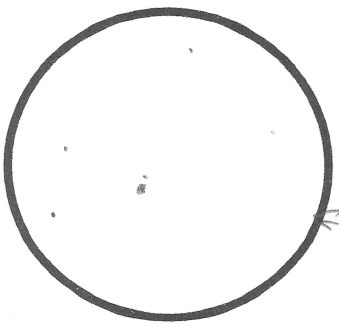
N7778



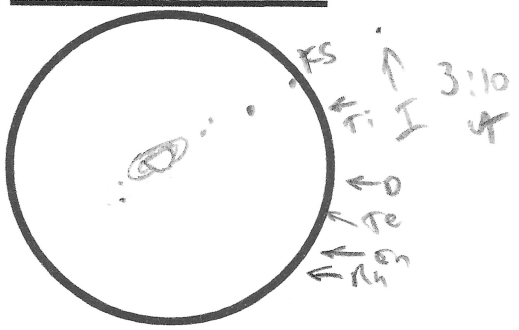
N7777

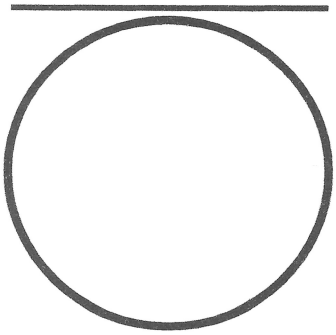


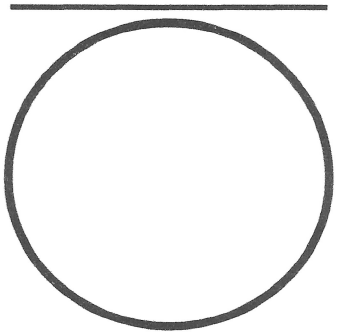
N7799

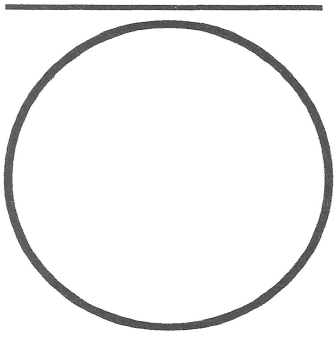


tr





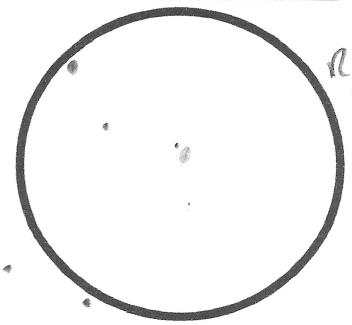




DATE=9/18/2023 TIME=1:30 UT SITE= ACT C=III S=II SCOPE=22UC @240X

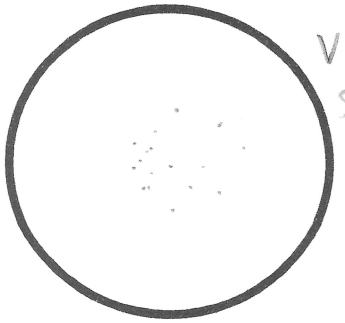
CLOUDY OFF/ON

N5561



R, VF, VS, F*p
OK, not easy
AV=2

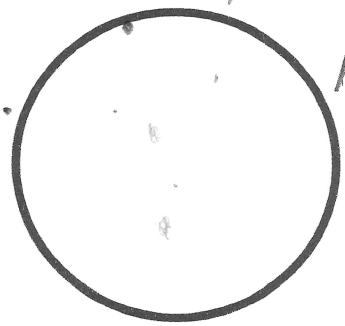
N6659



VP VF, does not stand out
NEJS ?

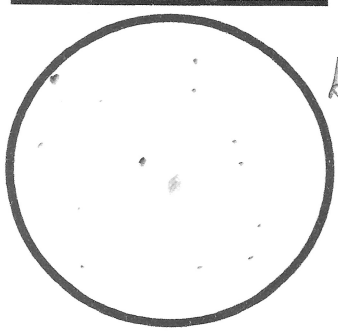
6743 = NEJS

N5969/71



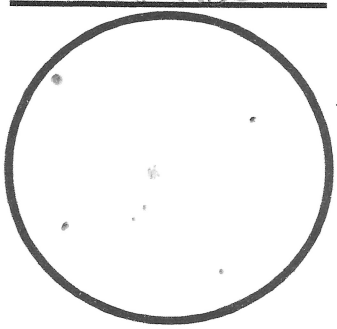
AV=3
WF VS

N6130



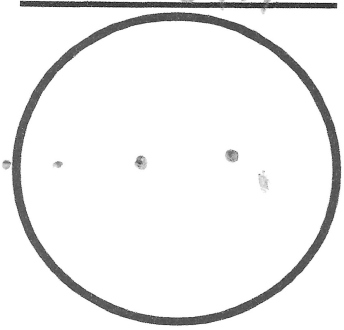
AV=2 R, VP

N6136



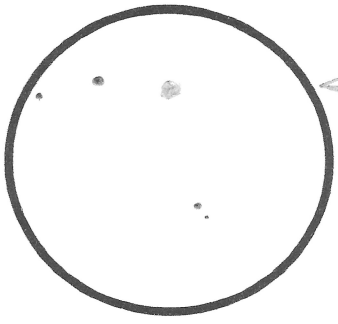
AV=2
VVF VS

N6187



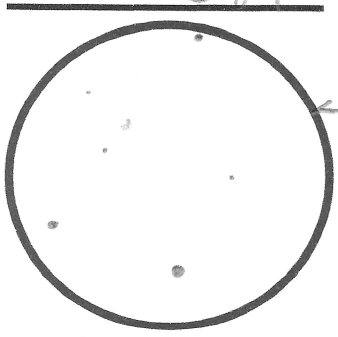
NICE LINE OF 4 FS
← VS, VF

N6190



← VF, L, R

N6189

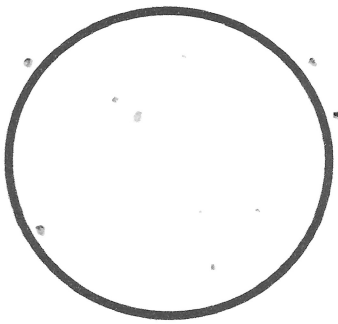


← VR, VVS

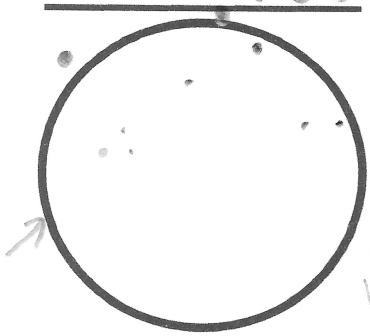
CLOUDY OFF/ON

DATE= 9/18/2023 TIME= 330 UT SITE= ACT C= III S= III SCOPE=22UC @240X

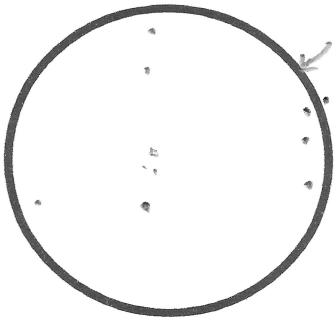
N 6176



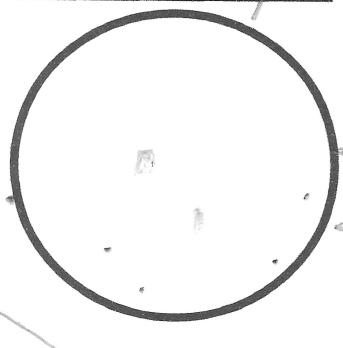
N 6157



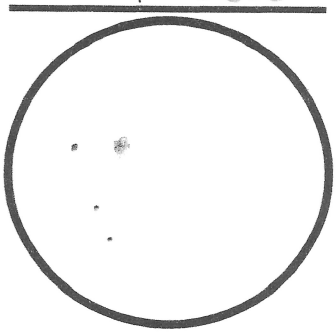
N 6197



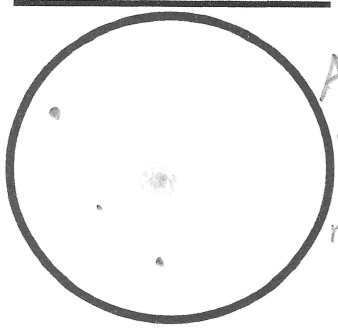
N 6211/13



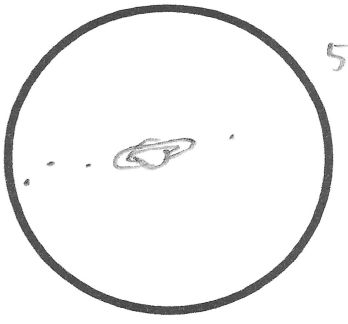
N 6206



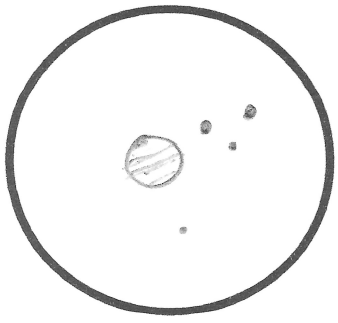
N 6246



h

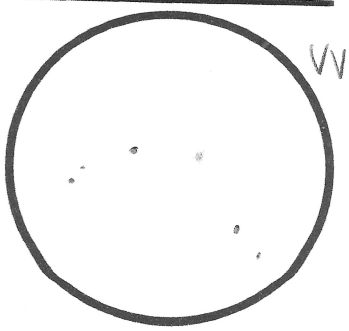


4



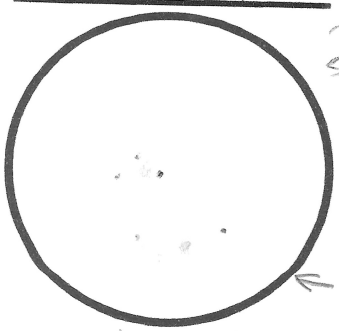
DATE= 10/ 6/2023 TIME= UT SITE= ACT C= I S= I SCOPE=22UC @240X

N 7595



VVS, VE, R

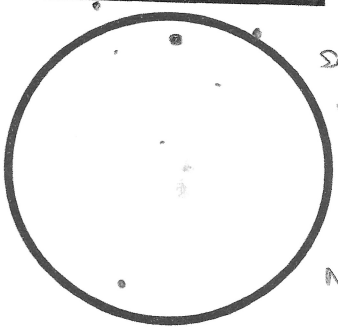
N 7610/6



7610
S, R, F, IN F3
10 11m 2n 13m
AV=2

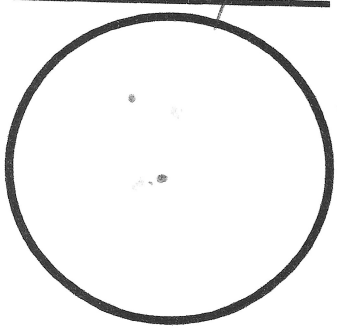
←7616 S, no shape
V. dim AV=3

N 7583/7604



Sep., bt both
VF VS, 7604
is n, 7583
no shape
No conx seen
between them

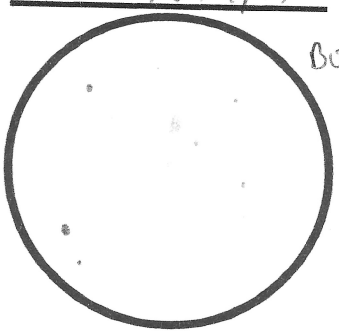
N 7621/23



←7623

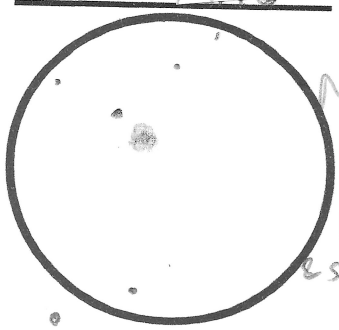
←7621

N 7674/75



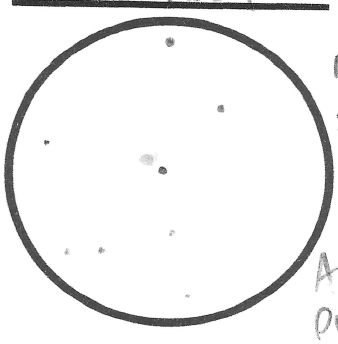
BOTH AV=3

N 7716



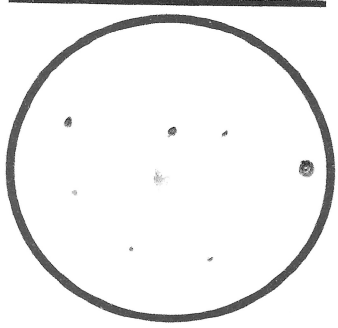
NICE!
R, not F
AV=1, some
hint of nec or bar
& some mottling

N 7684

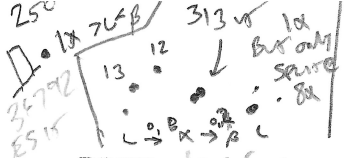


NOT STELLAR
SL. OVAL,
RIGHT ON 13m
VERY NICE
AV=1 MAYBE
DESCRIPTION SWITCHED
W/7683 ?

N 7738



NICE, A LITTLE
SHAPE TO IT?
AV=1 F,S



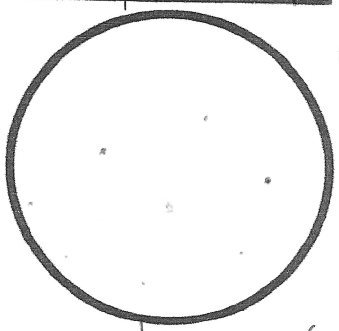
341 UT
1 @ SAME SEQ 49332
ALSO SAME SEQ
17
L→α→β

313 UT = AMAZONAS

NEXT 35508 NEW
2 37942 MERGED
3 39078 MERGED
5 42934

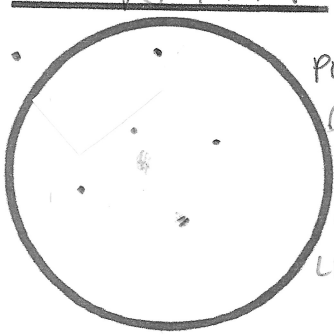
DATE= 10/ 6 **/2023 TIME=** 210 **UT SITE= ACT C=** I **S=** I **SCOPE=22UC @240X**

N 7739



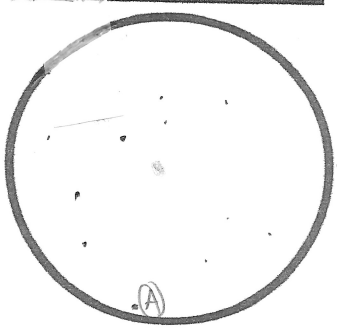
AV=2 ALONE
FS DIM
IT'S VF, VS

N 7774



PRETTY NICE, IN
BUSY FIELD, GREAT
DS. IT IS R, F
BUT NOT eF AS
LISTED.

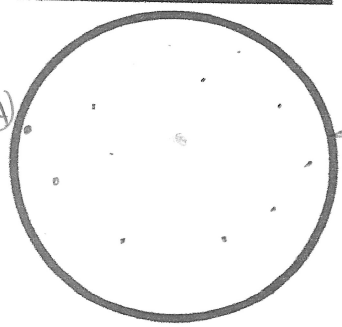
N 6427 (6431)



← S, R, F

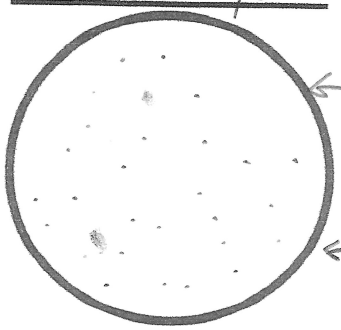
6262 NEJS

N 6429



← SIBM?
VF, VS

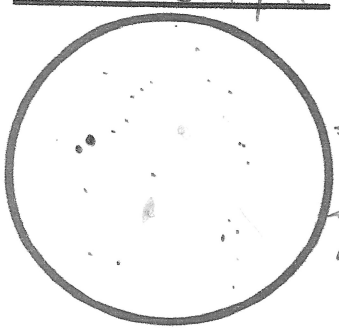
N 6285/86



← VF, R, S

← F, elong, S

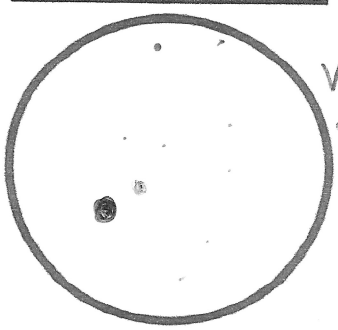
N 6290/91



← VF VS

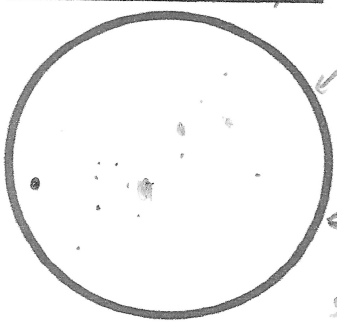
← 6290 2x1
not F, nice

N 6370



VERY EASY
TO FIND
ELLIP, not F
not S, R

N 6338/45/46



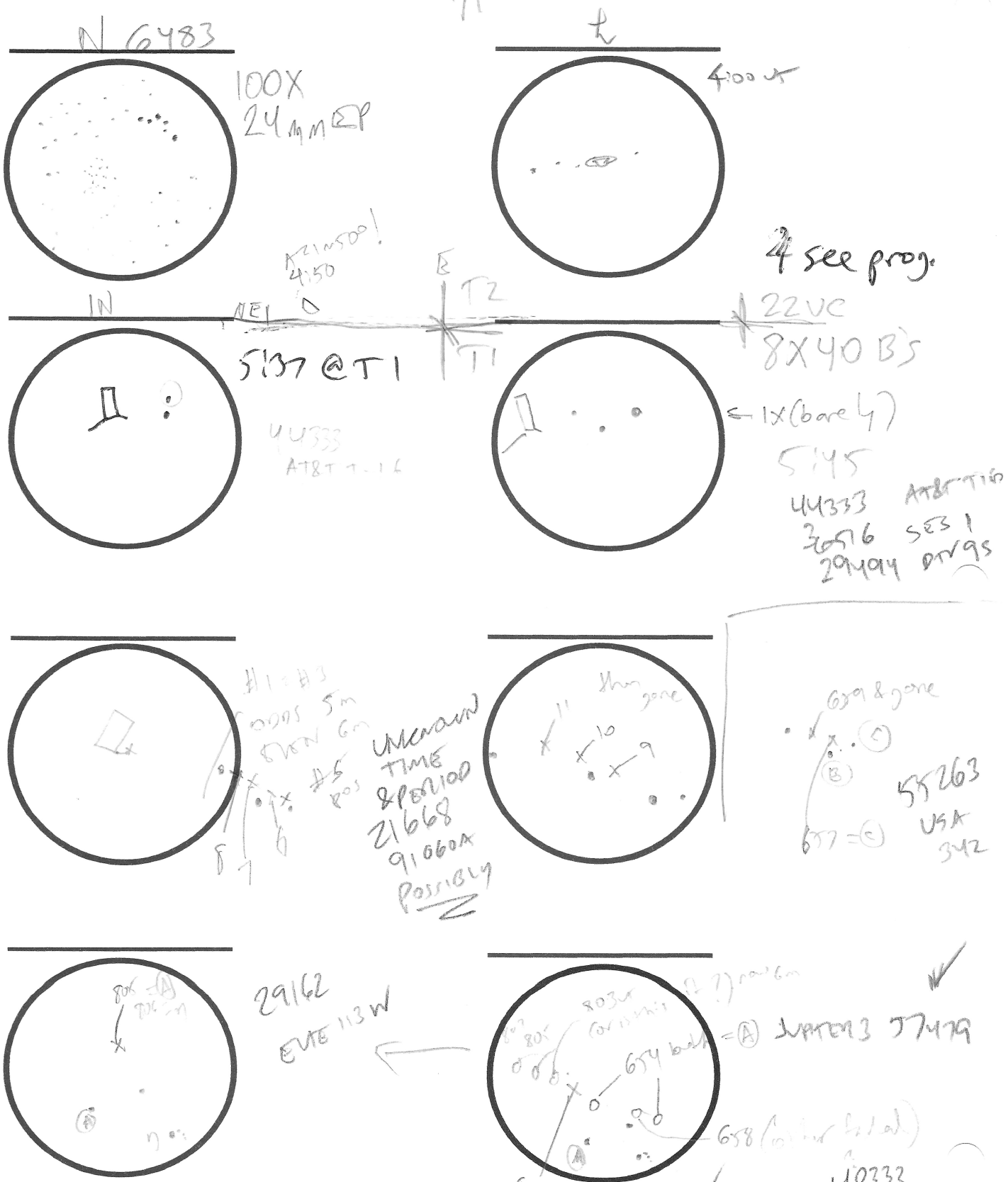
← AV=3 VF, VS

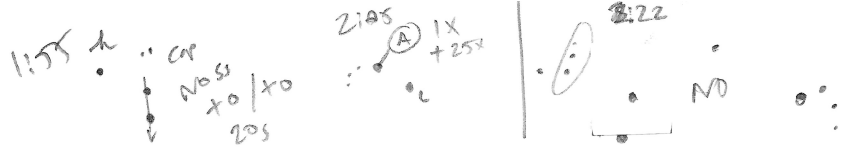
← AV=2 VF, VS

← 6338
EASY, OVAL
SOME HINT
OF MOTTLE

DATE=10/6/2023 TIME=345 UT SITE= ACT C= I-II S= SCOPE=22UC @240X

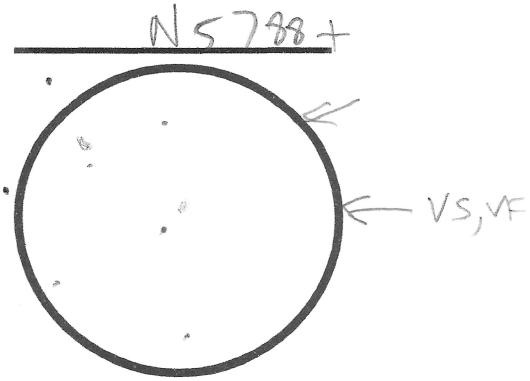
T1

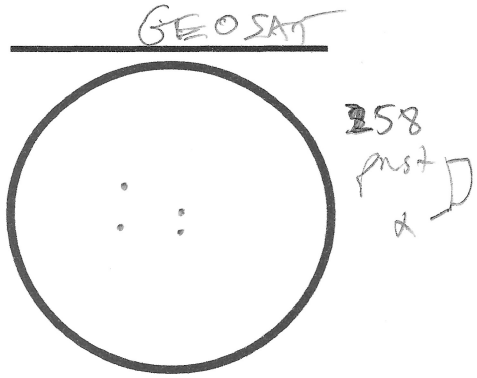


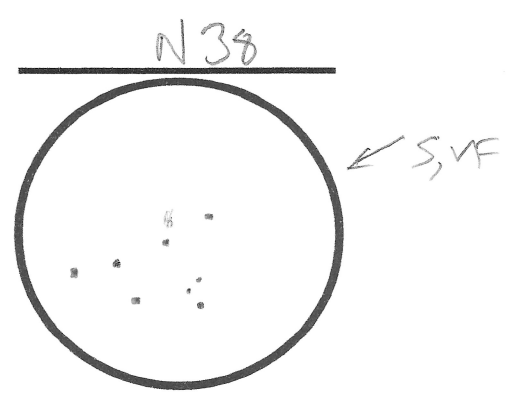


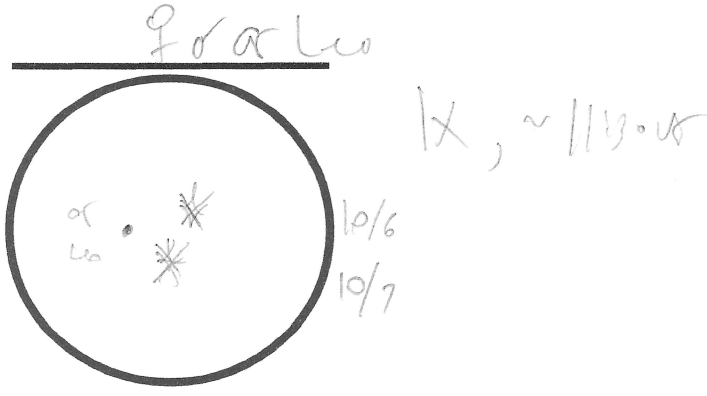
DATE=10/8/2023 TIME= 1155 UT SITE= ACT C=I S=II SCOPE=22UC @240X

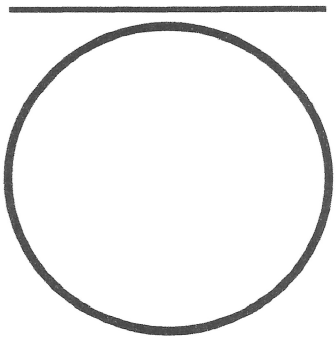


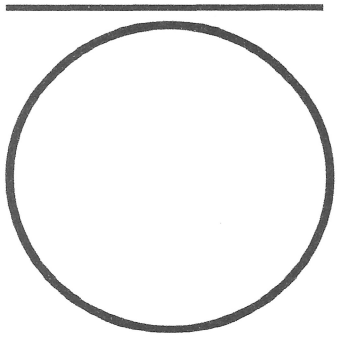






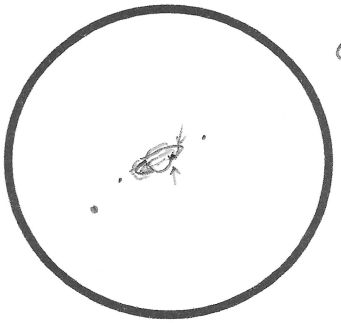






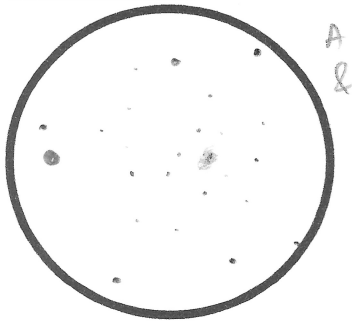
DATE= 10/8/2023 TIME=1100UT SITE= ACT C=I S=III SCOPE=22UC @240X

ħ



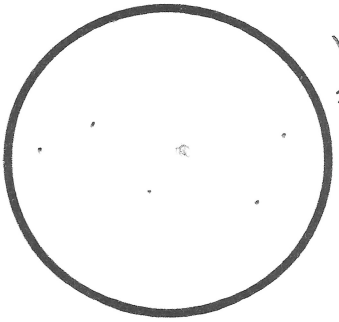
0:45 UT

N7649



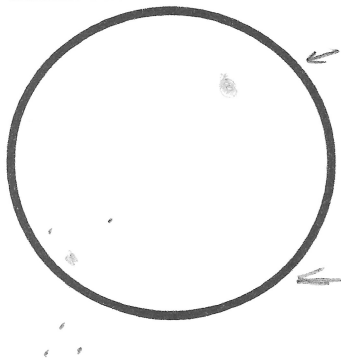
A BIT OF NUC & EVEN GLOW

N7644(51)



VF WS
AV=2

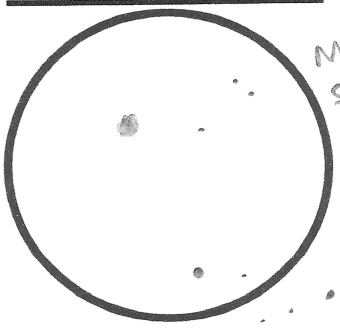
N7643/41



← 7643
med, sl F, OVAL
EVEN GLOW

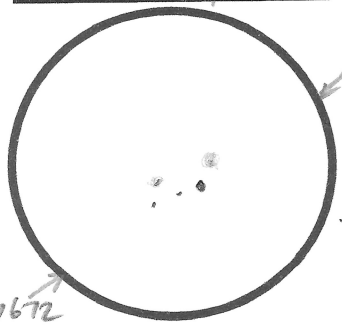
← 7641 SIMILAR
BUT SMALLER, FTR

N7653



MCE! R, a little
S, but not F
MCE FS to W

N7671/7672

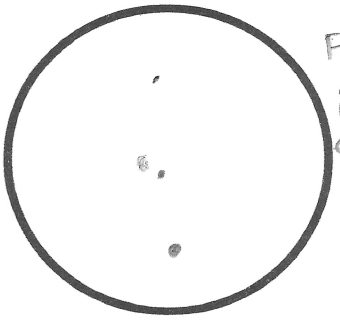


7671 B,S,R

← dim, R,VS
AV=2

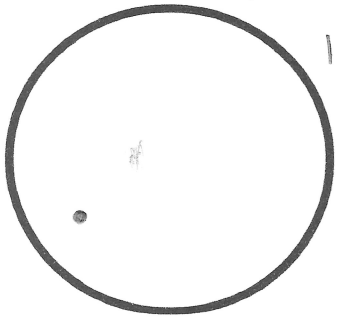
7672

N7683



F, R, S but
FS makes it
easy

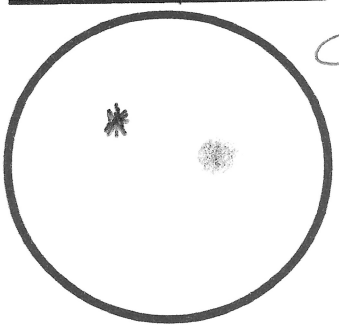
N7731/32



1 GLOW AV=2
TO ME,
A LITTLE
ELONG

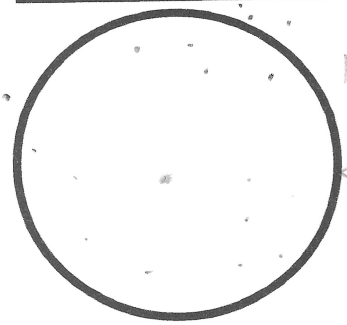
DATE=10/9/2023 TIME=2115 UT SITE= ACT C= S= SCOPE=22UC @240X

N404



CLASSIC σ
β And
LOVELY
R, B, maybe
≤ 13M

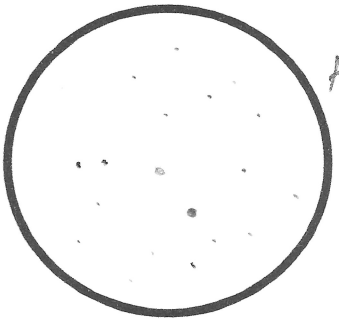
N85



ISOLATED

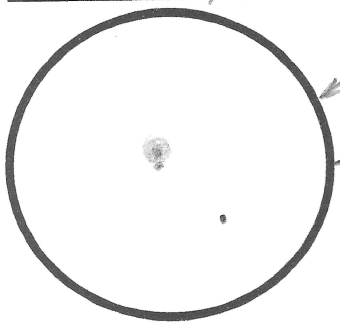
VS, F

N96



AV=3
WS WF

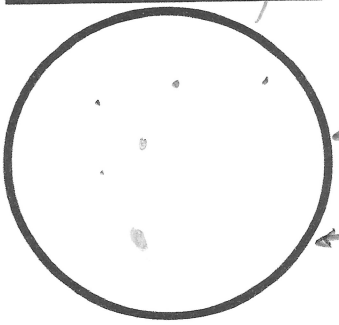
N408/410



410
MAGNIFICENT

408
(tiny dot
of glow)

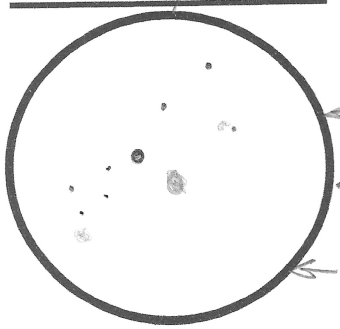
N383/390



390 VS, VF

383
EXCELLENT, DAZZLING B

N311/15/18

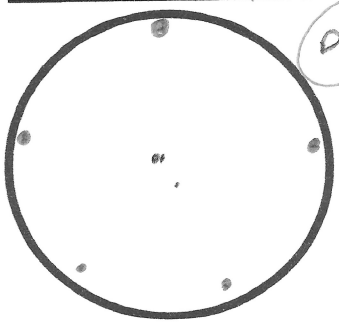


318

315

311

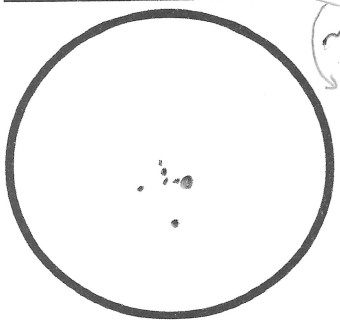
N464



DS NEJS

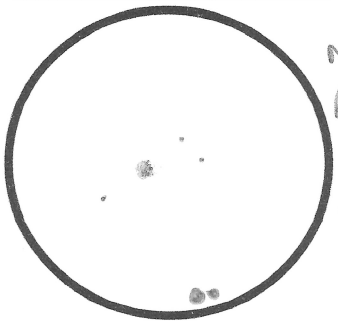
N308

NEJS
ASTERISM
mini-Coathanger
BUT NICE!



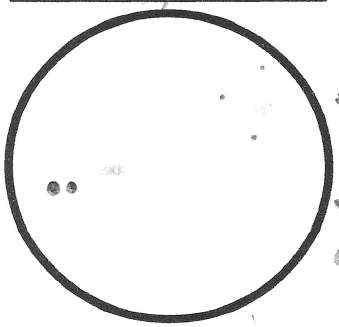
DATE=10/9/2023 TIME=4100UT SITE= ACT C=I S=II SCOPE=22UC @240X

N50



Mod R, DV, S, abt F nice wide dbl nearby

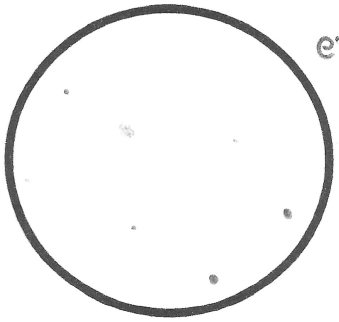
N47/54



← DV, R, F, S

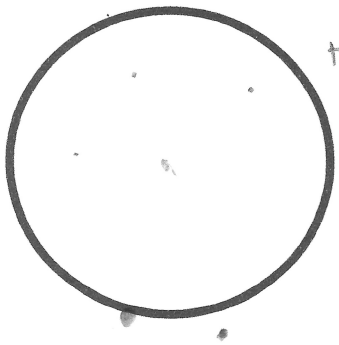
← not S, elong even, F Av=2

N64



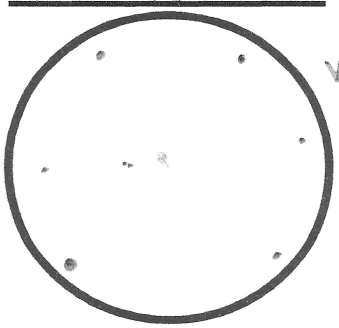
eF es Av=3

N480/481



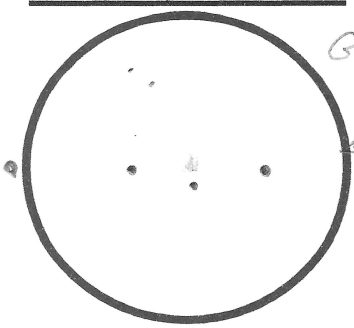
tiny vF, vS

N7481



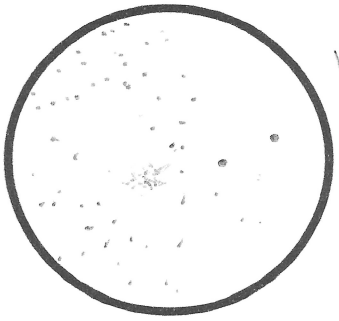
VF, Av=3 no detail

N7522



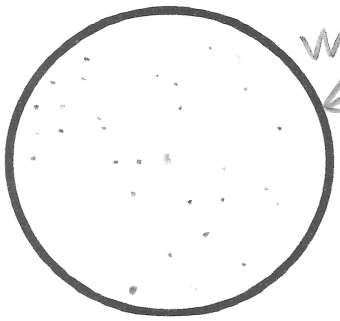
GREAT FS, LINE OF 3 ← R, F, S BUT N ICE

N6858



VS, RI BUT LOST IN M.WAY

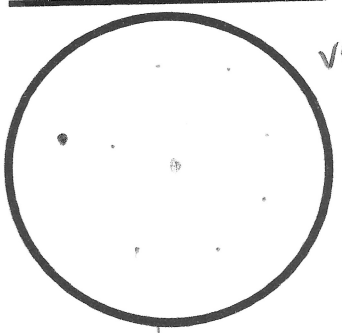
N6965



VF VS

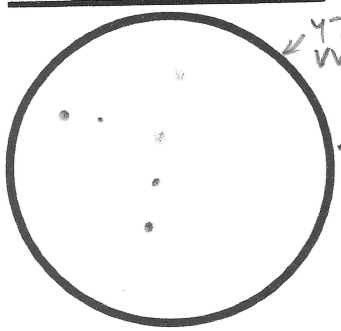
DATE= 10/ 9/2023 TIME=5:20UT SITE= ACT C= I S=III SCOPE=22UC @240X

N 469



VF vs R

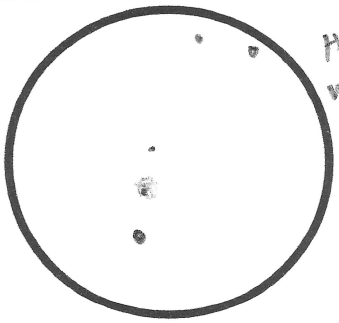
N 471/5



475 VVS vvF R

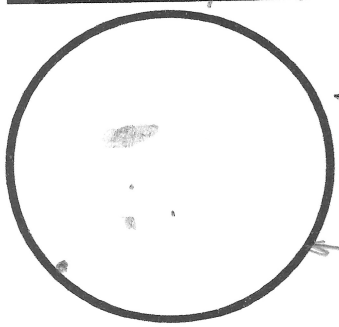
471 VS vF R

N 511



HARD TO DISCERN WHERE GLOW ENDS/ SHAPE, VF, S

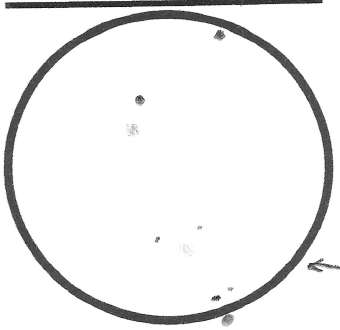
N 516/524



524 WOW LONG WIDE (TIP SPIRAL ?)

516 VS, F, R

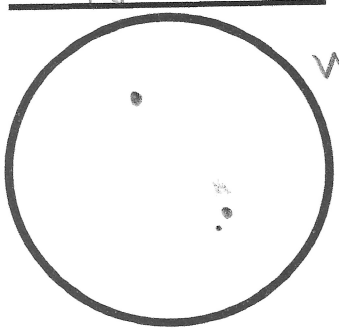
N 518/532



532 VS, F, R

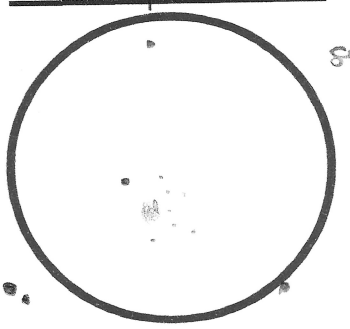
518 VS, VF

N 525



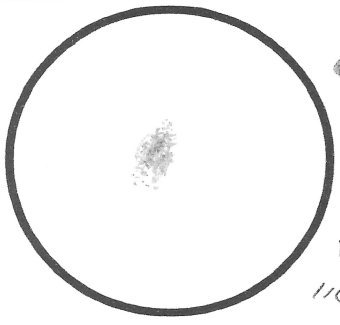
VF, w/lim S just P it

N 509



several stars involved VF, R, S

M92



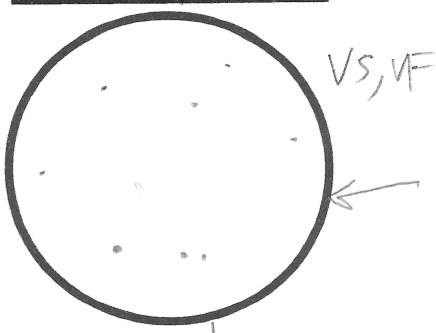
ON WAY TO COMET 12P PONS-BROOKS

100X

DEFINITE "CROSS TRACK" STAR, SOME RESOLVED

DATE=10/9/2023 TIME=6:20 UT SITE= ACT C= I S= III SCOPE=22UC @240X

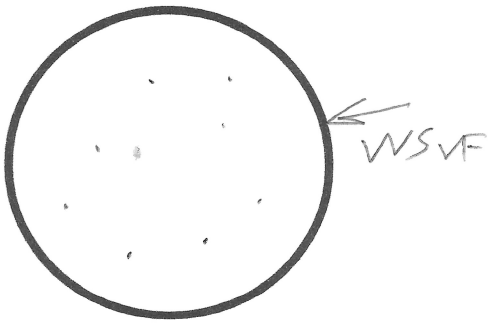
N 1037



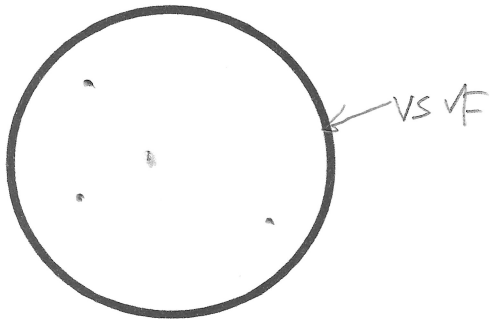
N 378



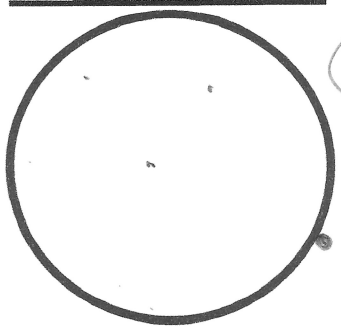
N 412



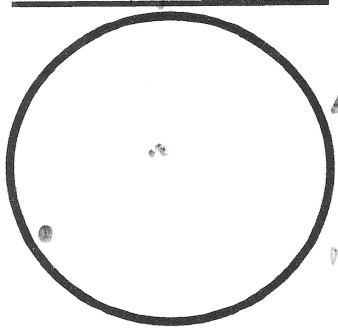
N 478



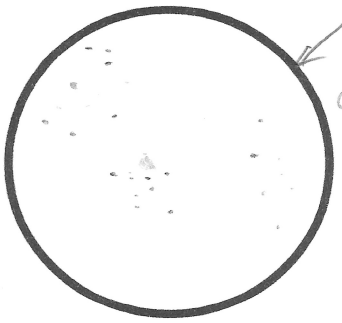
N 1312



N 1488



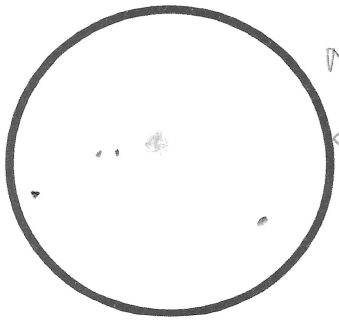
N 872



NEJS

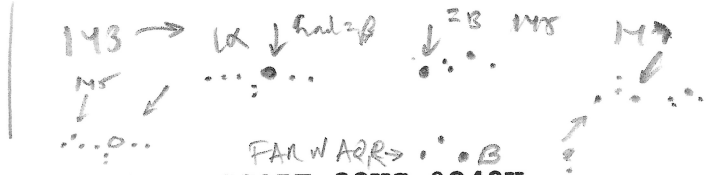
635 NON-EXISTANT

N 947



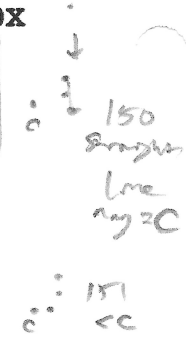
MISSED 1st SL
2nd ALL SEEN





DATE= 10 / 10 /2023 TIME= 120UT SITE= ACT C= II S= II SCOPE=22UC @240X

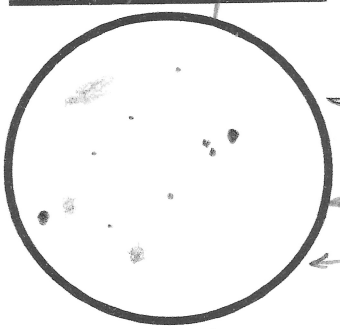




THIS IS THE 45° "OFF" GEOSYNCS

SEE EMAIL TO ED & KEVIN

N7815/17

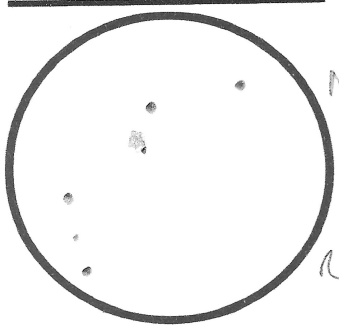


← 7817 L, B, elong

← 7815 S, R, not F

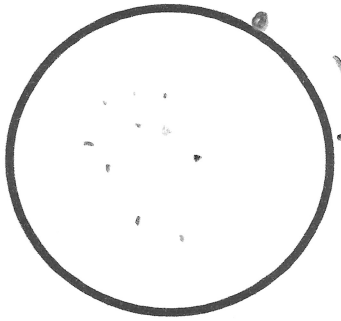
← NOT THERE!

N9



NEXT TO FS, NEAR 2 B*
R, S, B

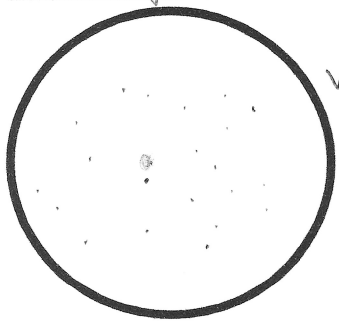
N21



VVS VF, R

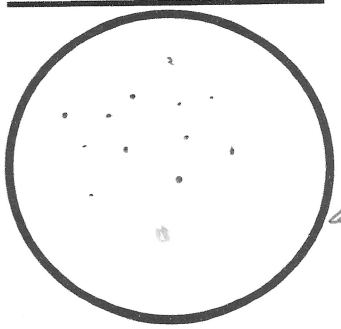
← 21

N60



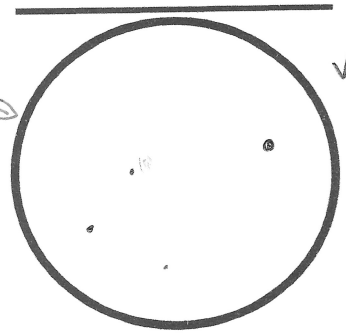
VVS VF ISOLATED

N712



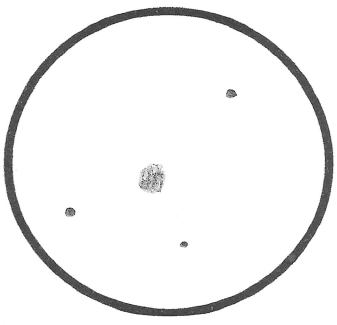
S, R, F

N688



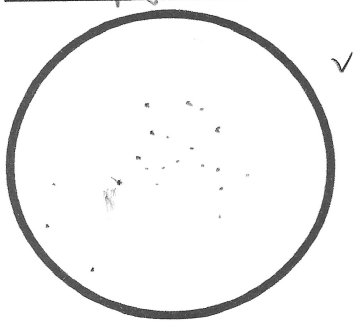
VVF shape intedmmmt

N753



B, L, R, IN Δ OF FS

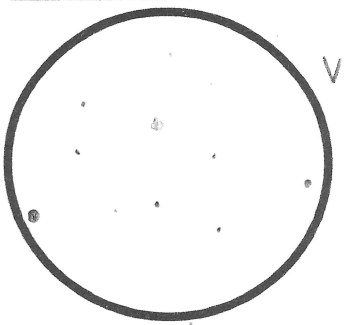
N812



VF, elong
PA = 45°

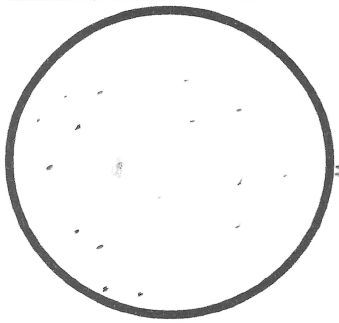
DATE=10/10/2023 TIME=3:15UT SITE= ACT C=II S=II SCOPE=22UC @240X

250



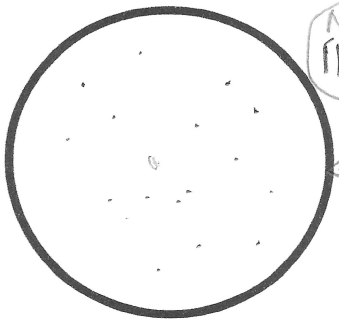
VVS, VF

N 332



VFVS

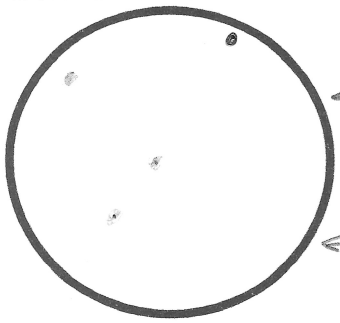
N 113



NOTE THAT 111 = MEJS

VVF VS

N124 N118 N114



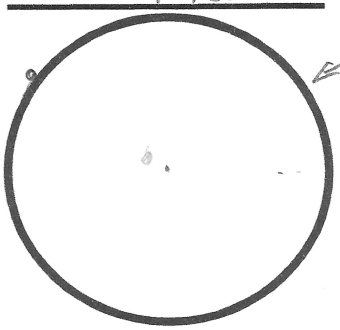
←124

←118

←114

ALL Δ FROM @ OTHER BUT ALL VS, VF NICE GROUP

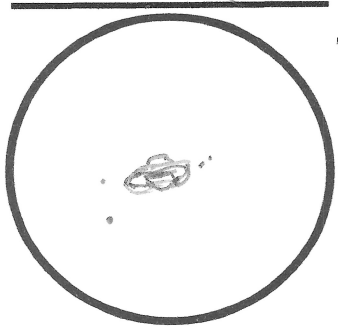
N120



NEXT TO FS

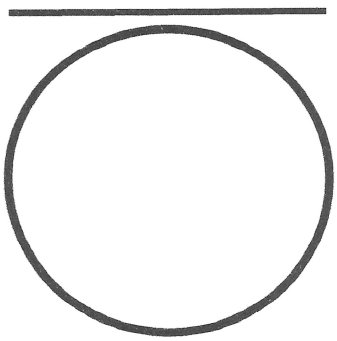
VS, F

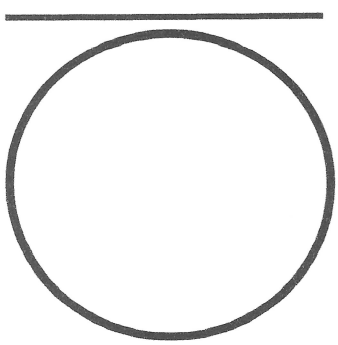
h



4:00

30 on effect





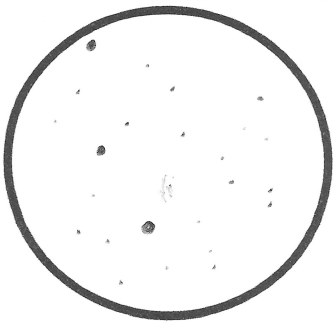
6 also ♀ D AT HOME

11:00 UT

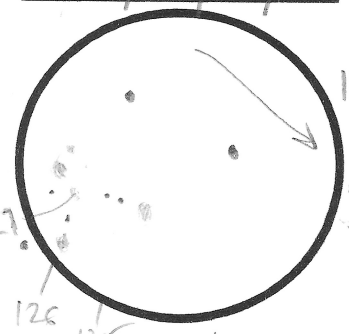
1E

DATE= 10/14/2023 TIME=1:00 OUT SITE= ACT C=II S=II SCOPE=22UC @240X

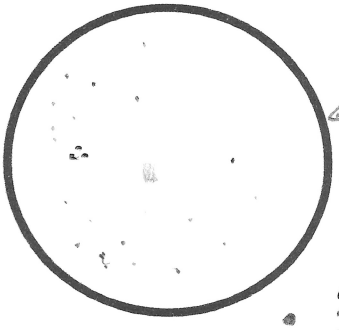
N 317



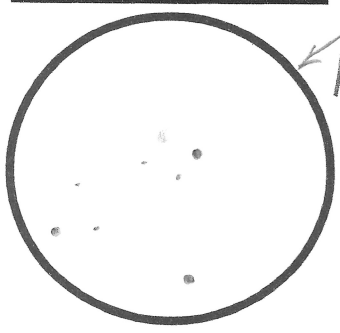
125/126/127/128/130



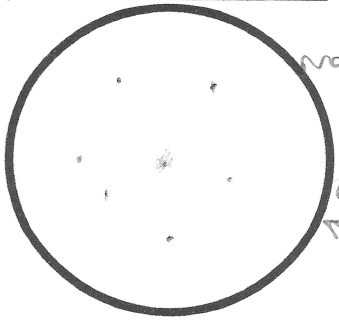
N 218



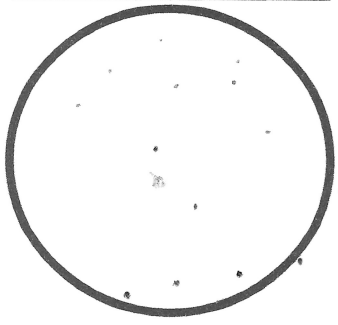
N 606



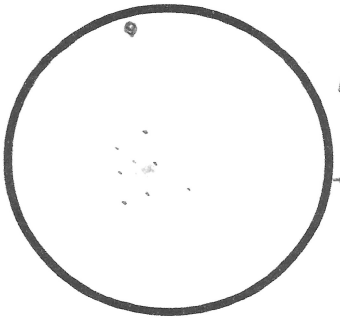
N 732



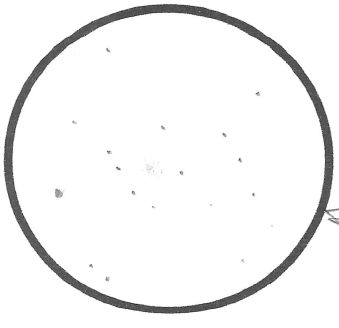
N 769



N 804



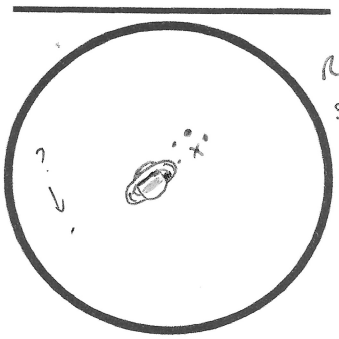
N 846



0:30 40° az 6° alt
-3F ~1s

04229 A to 1x
↓s

DATE=10/18/2023 TIME=100 UT SITE= ACT C=I-S=II-SCOPE=22UC @240X

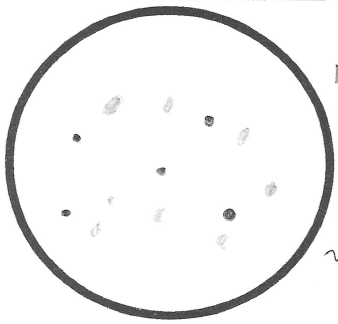


0:50 UT
RINGS FLATTER
SPECTACULAR 3D

NEJS

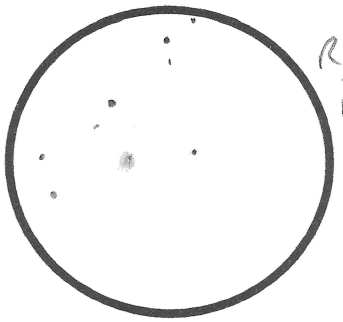
618 NEJS
MAYBE WIDE
OBL:

N7384



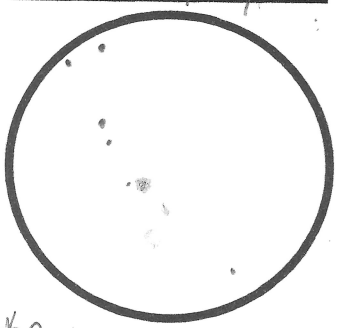
IN GROUP OF 8
ALL VERY F
MED-SMALL,
NO DETAILS
~2 FIELDS DIAM.

N 318



R, not dim, s
bNuc

N48/49/51



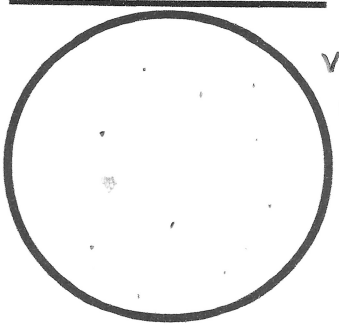
FS THERE

51 RIGHT
NEAR FS,
R, S, F
AV=2

49 VS, VVF, R AV=3
48 VVF, not too S, oval,
AV=4

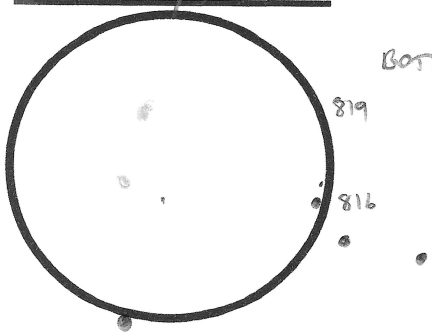
* CONFOUNDED DON B. - SEE 10/20/23

N211



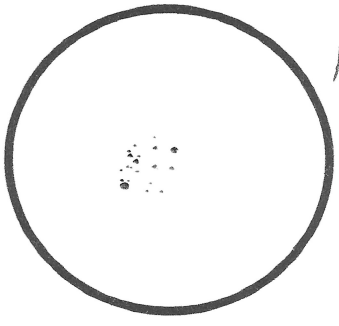
VSVF IN
EMPTY AREA

N816/819



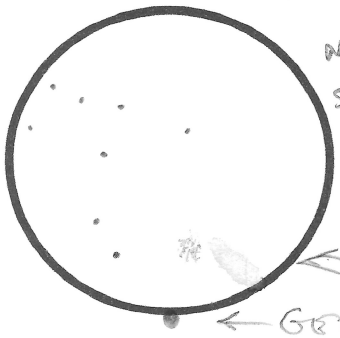
BOTH VVF, VS

N358



ALMOST AN
OC

N609

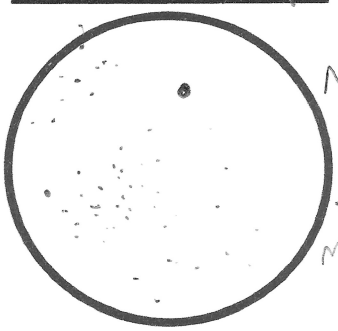


NOT L, F, ONLY A FEW
STARS RESOLVED

← GET FS OUT OF
FOV

DATE= 10/18/2023 TIME=2000 UT SITE= ACT C= II S= III SCOPE=22UC @240X

N744



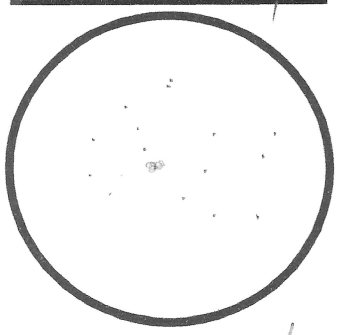
100X

OC

NOT DISTINCT FROM M. WAY

← JUST A BIT MORE LUSH

987

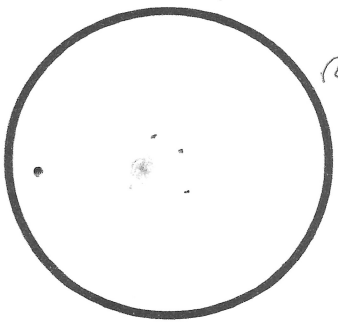


240X

NOT B, BUT EASY

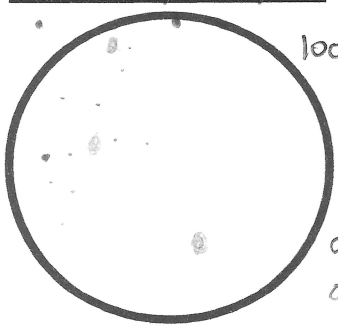
S, F FS INVOLVED

N946



R, BNM, F

N995/1000/1005

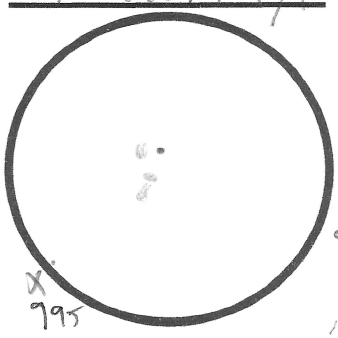


1005 S, F

1000 S, F, OVAL

995 BRIGHTEST OVAL, EVEN

N 996/999/1001



995

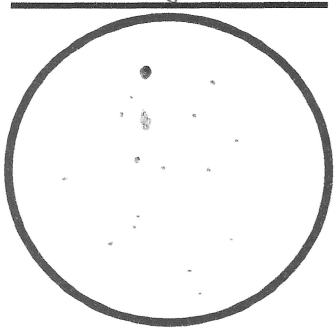
REST OF GROUP

1001 CLOSER

999 ALL DIM

996 996/999 JUST SPLIT "WAVY" GLOWS MERGE

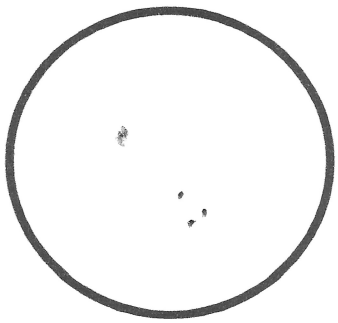
N 1040 (1053?)



← NEAR FS

2X1 S, F

N1077

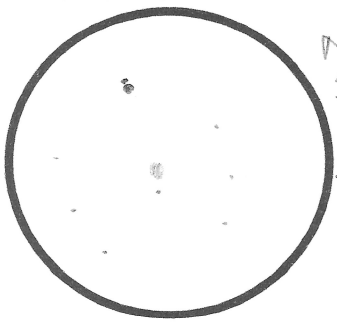


2 PAIRS?

AV=3

VF, S

N1086



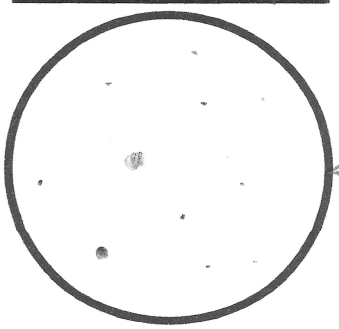
NOT BRIGHT BUT FS DBL

→ TO IT

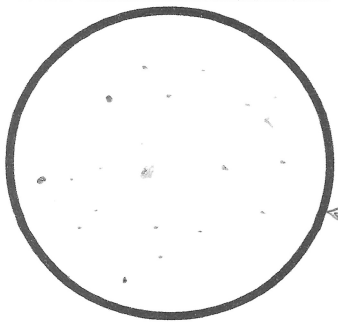
← S, F, R

DATE= 10/18/2023 TIME= 310 UT SITE= ACT C= II S= III SCOPE=22UC @240X

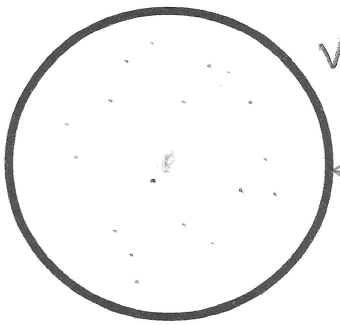
N 984



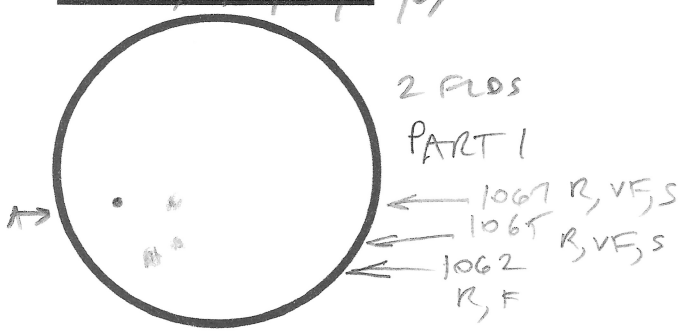
N 983



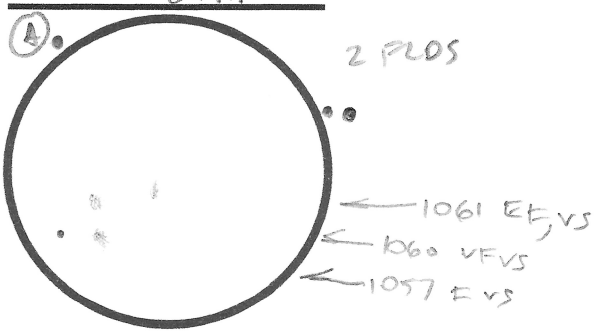
N 1002



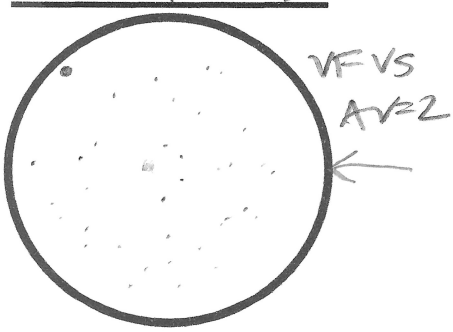
1057/60/61/62/65/67



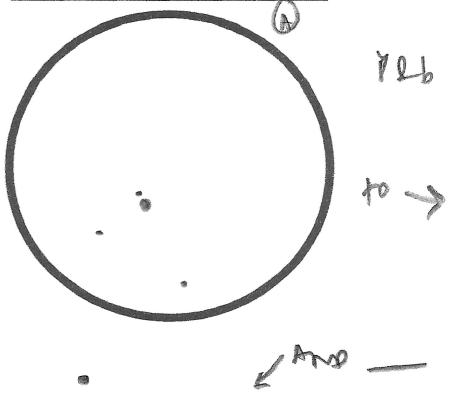
cont.



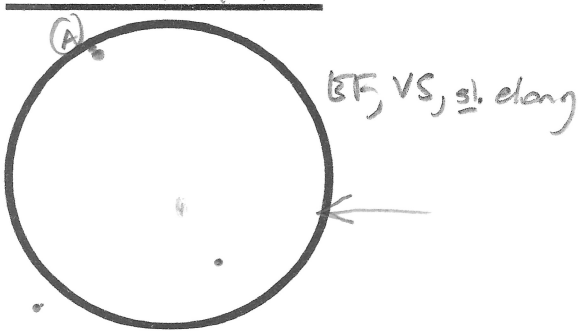
N 1093



Σ 497 (TAN)

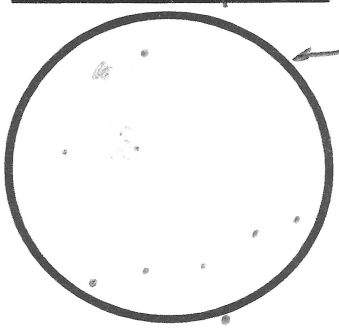


N 1497

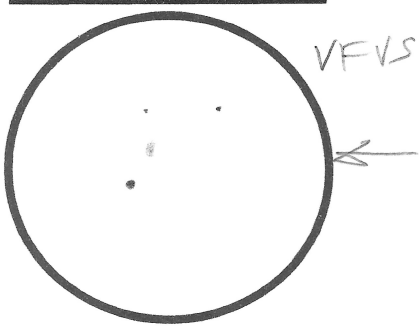


DATE= 10/18/2023 TIME= 445 UT SITE= ACT C= II S= III SCOPE=22UC @240X

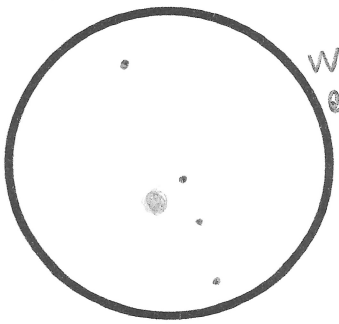
N 1280



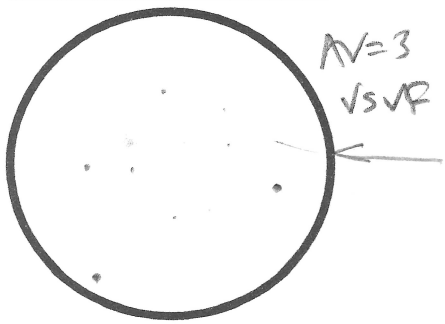
N 1182



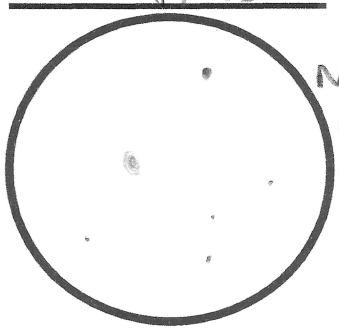
N 1087



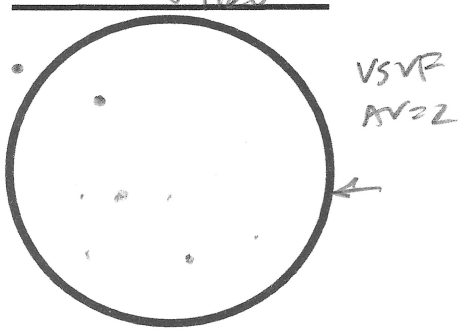
N 1078



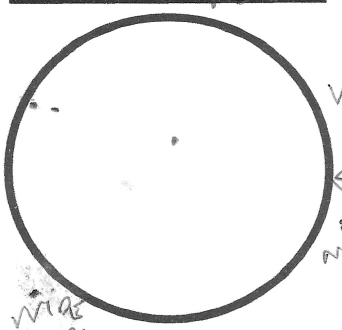
N 1076



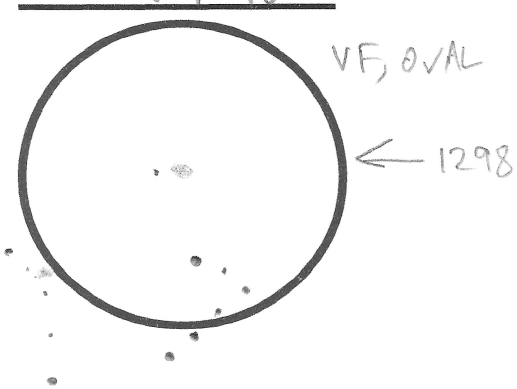
N 1120



N 1139

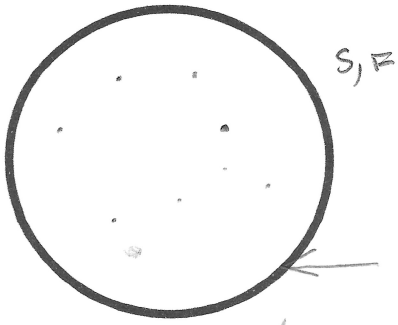


N 1298

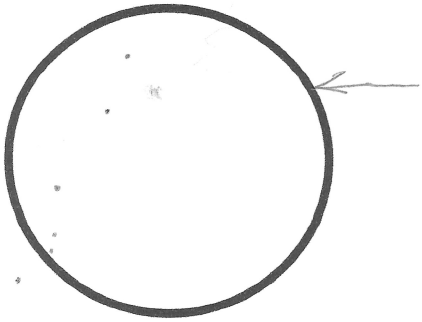


DATE=10/18/2023 TIME=~~530~~ AG UT SITE=~~OTSP~~ C= II S= III SCOPE=22UC @240X

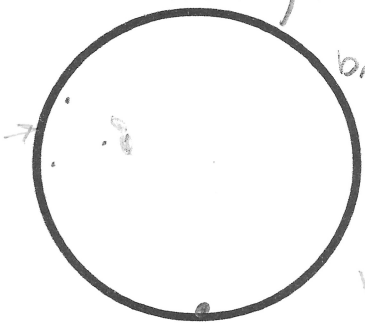
N1238



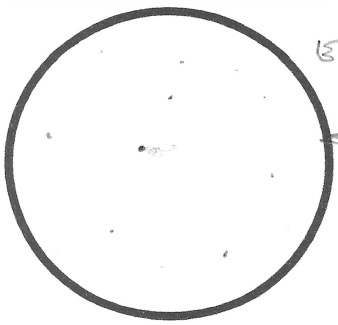
N1305



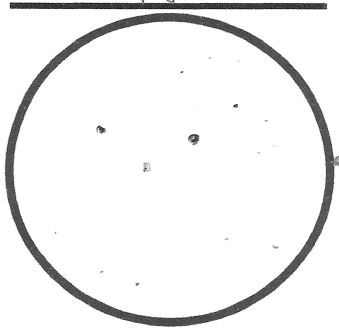
N1409/10



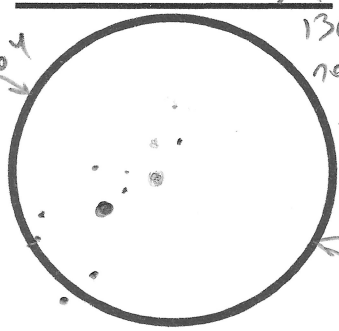
N1314



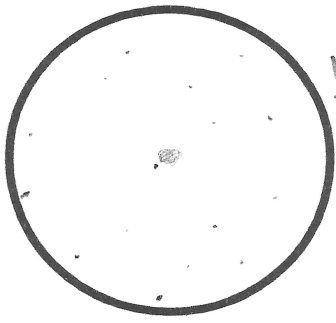
N1328



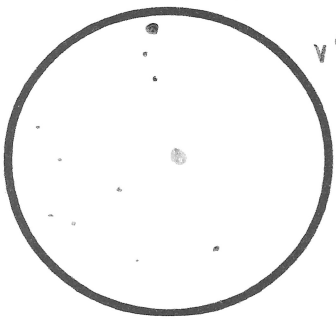
N1363/4



N1346

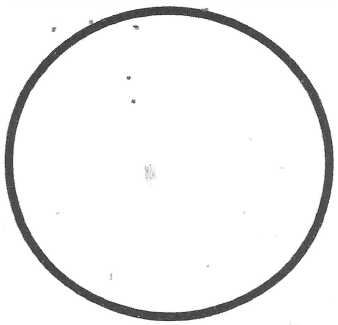


N1361



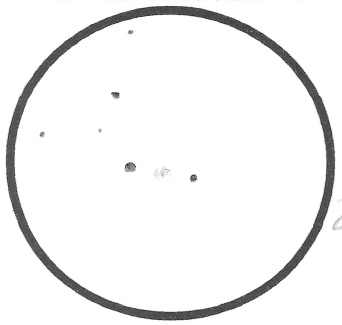
DATE=10/18/2023 TIME=620UT SITE=~~OTSP~~ ACT C=I-S=III SCOPE=22UC @240X

N 1158



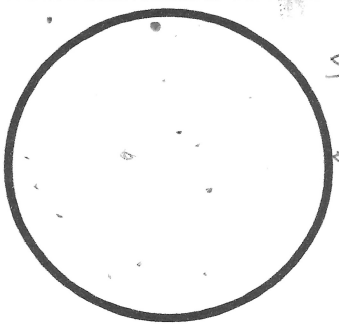
VSVF
ISOLATED

1203



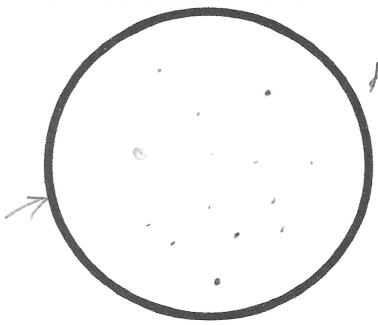
VSVF
BUT BETWEEN
2 FS

1296



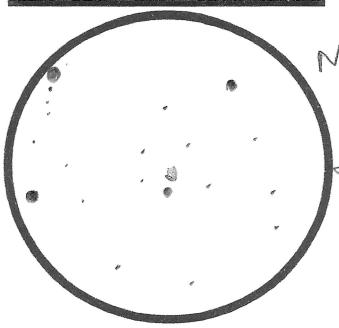
SOMEWHAT
ISOLATED
VFVS

N 1290



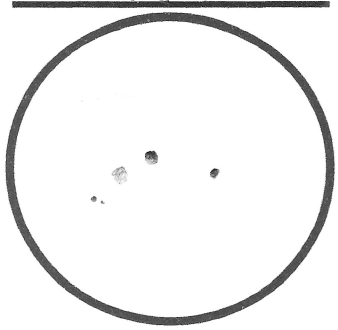
ALSO VFVS

N 1303



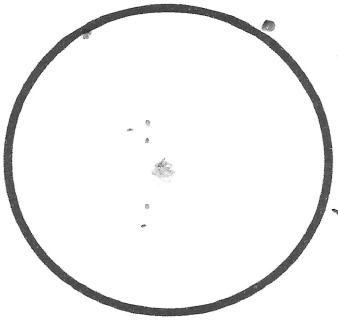
NEXT TO FS
R, B, VS

N 1338



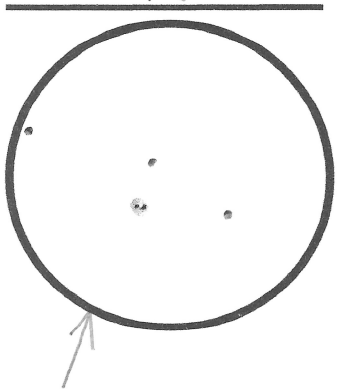
R, F nice
in great
fld

N 775



S, R, F
AV=1

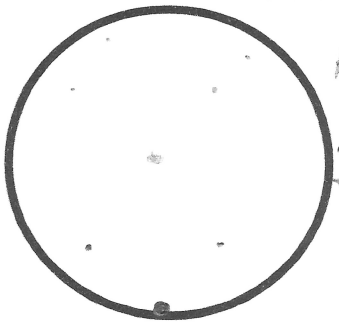
N 823



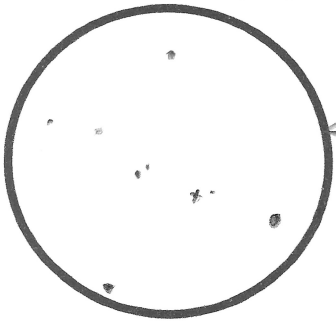
1 OR 2 FS
INVOLVED?
VS VF

DATE=10/18/2023 TIME=~~705~~ UT SITE=~~OTSP~~ ACT C=I S=II SCOPE=22UC @240X

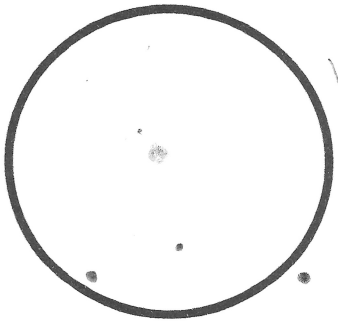
N902



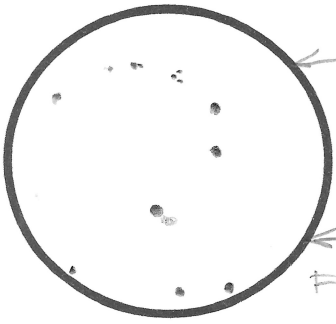
N957



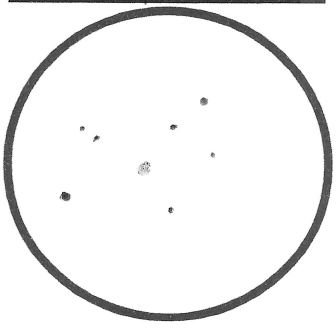
N965



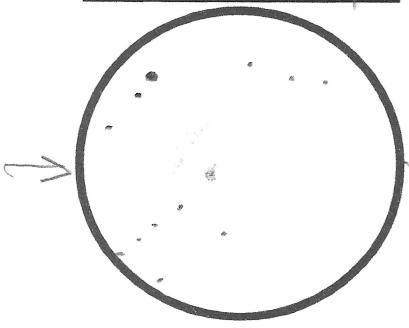
N966



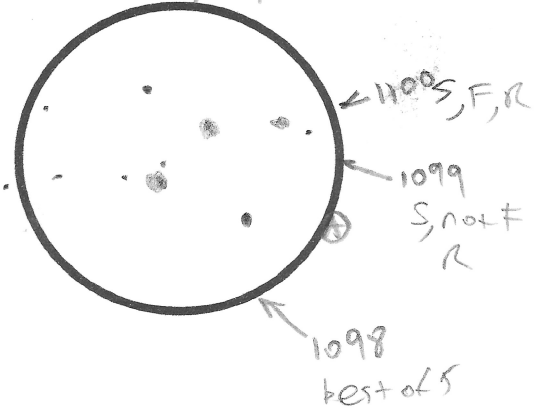
N967



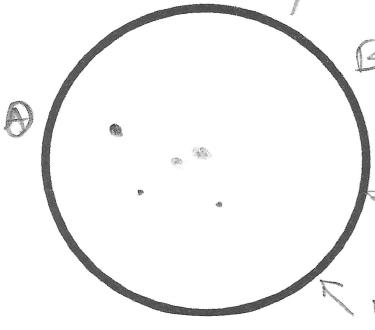
N989



N1098/99/1100



cont. N1091/92



4 GRLS 952 PM

1240 1 Sh1
1254 111 Sh1
104 1 Tr1
244 111 ShE

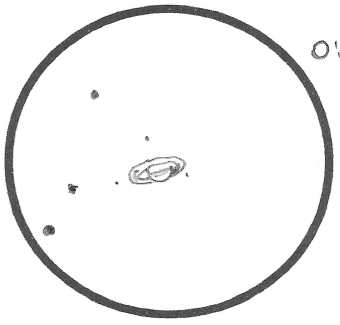
SL Group 1 0145UT
brit test m20 *M8
All seen
← max brit test (just 1x)

2nd group
← 2 "gradation line"
M109 →

ACT

DATE= 10/20/2023 TIME=1100 UT SITE=~~OTSP~~ C= II S= III SCOPE=22UC @240X

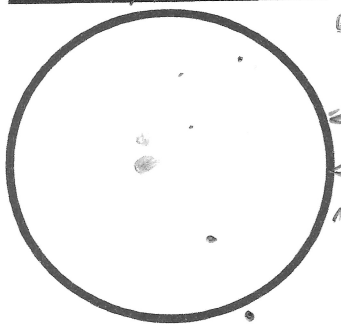
ħ



0:40

1:55

N 7485/86

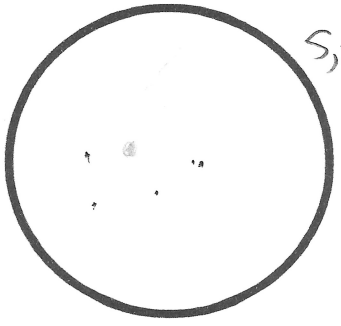


ALL SO MUCH BRIGHTER W/2 STEPS!

7486 S, VF, no shape

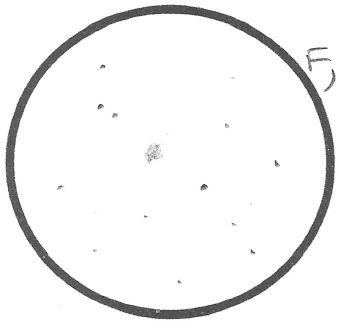
7485 R, S, not too F

N 7487



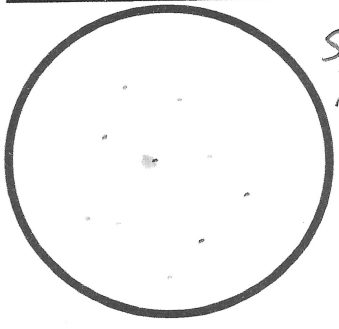
S, F, R

N 7490



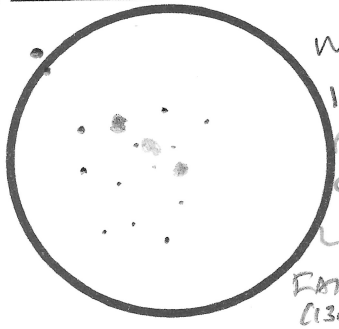
F, R, a bit small nuc?

N 7729



S, F, w/f FS not great

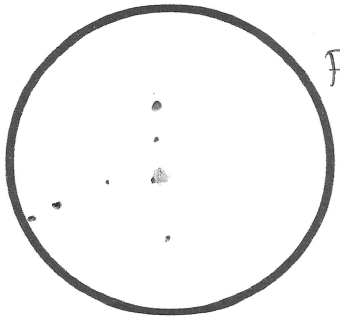
N51 N49 N48



WELL WITHIN 1 FIELD, BUT PERHAPS NOT THIS CLOSE, IN A LINE 49 BIGGER, FAINTER, 48~12m, 5~11.5m (13m?)

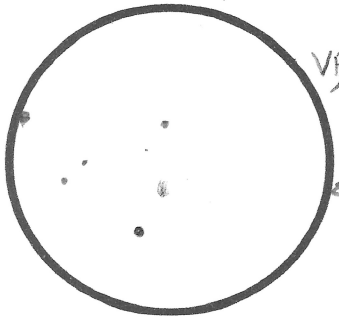
REVISITED – DON B. IMAGING

N 1106



F, R, f* on S

N1159



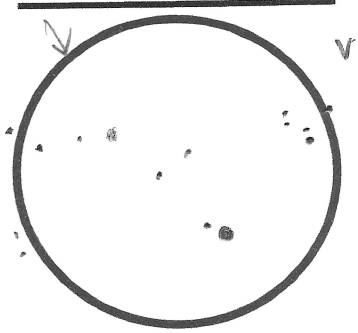
VF, VS, R

MOONSET: 1X 3:02:00
8X 3:02:53

1m BEFORE: orange boomerang

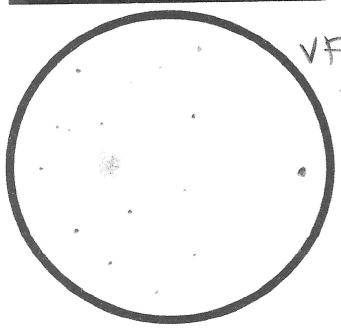
DATE= 10/20/2023 TIME= UT SITE=~~OTSP~~ ACT C= II S= III SCOPE=22UC @240X

N 1164



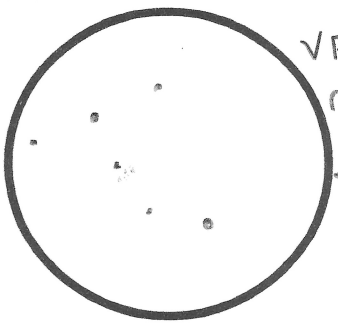
VS, F, R

N 1171



VF, VL, R

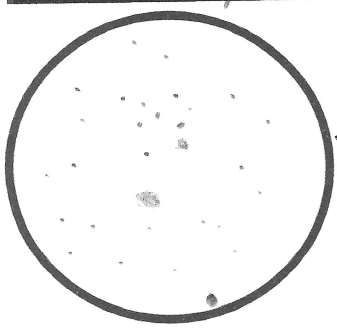
N 1220



VF, VS, not resolved but "OC look" to it

← 1220

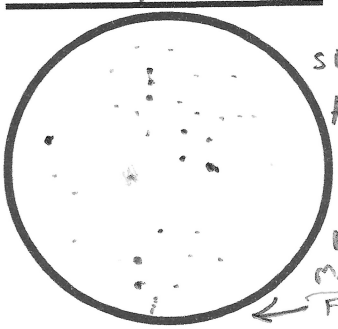
N 1175/77



← 1177

← 1175

N 1233/5

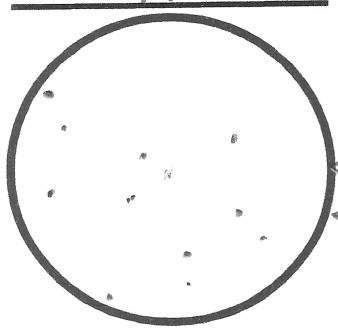


SNuc in glow
Av=2 helps bring out

NGC 1235 MASQUERADES AS IT-DUP

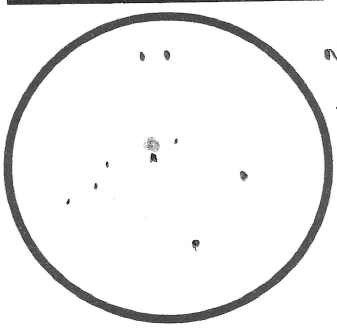
← FT TRIPLE HERE?

N 1330



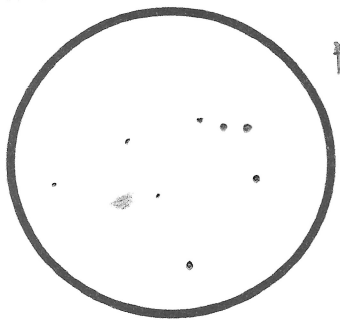
← FT DBL NEAR MAY CONFUSE

N 1469



NICE, S, NOT F
JUST OFF OF ~10m FS

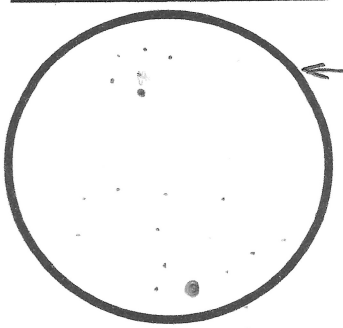
N 1485



F, OK SIZE, OVAL & EVEN GLOW

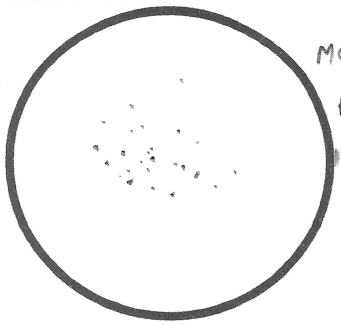
DATE=10/20/2023 TIME=4:10 UT SITE=~~OTSP~~ ACT C=II S=III SCOPE=22UC @240X

N 1573



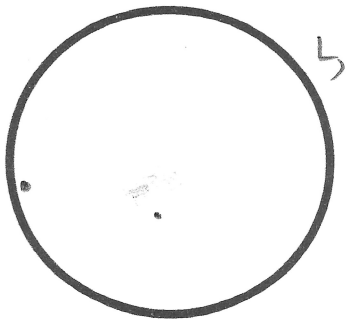
VS VF
pA 9.5mFS

N 7801



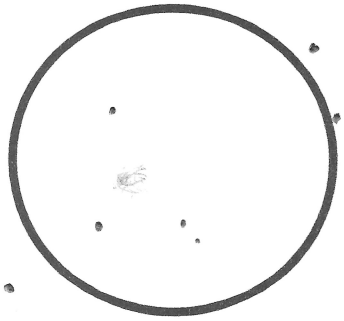
MORE LIKE
ASTERISM - 6 @ 9mag
IN A LINE

N 7812



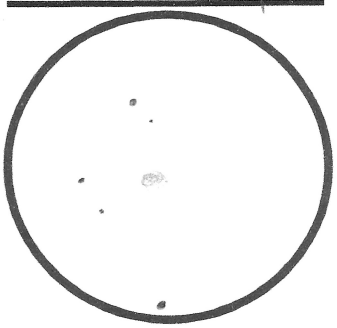
L, VVF, no shape

N 7755



MAYBE JUST BAR
SEEN, 2x1
NOT F AV=1
L L EVEN

N 7749

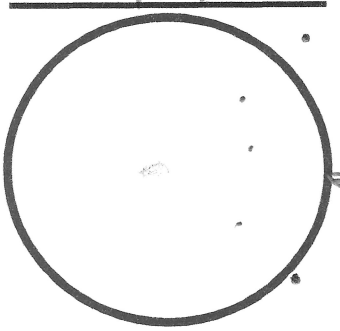


2 flds W, 1 N



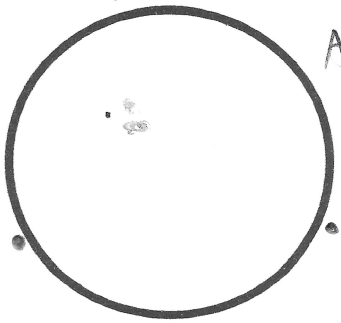
nice,
not
plot

N 10



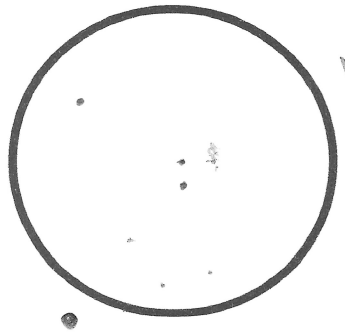
VVF, L, 2x1
even, low
just seen AV=2

N 1074/1075



AV=2 & 3
F, S, R
VF VS

N 1424



VF, NEAR 10-11 FS