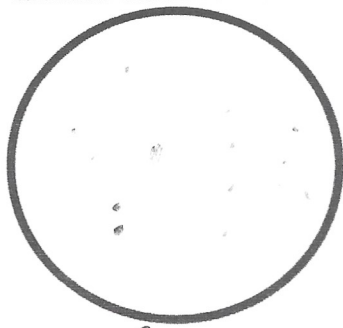


6/20
6/18
NE
6/14-18/20
6/20
6/18
6/17
6/16
6/15
6/14

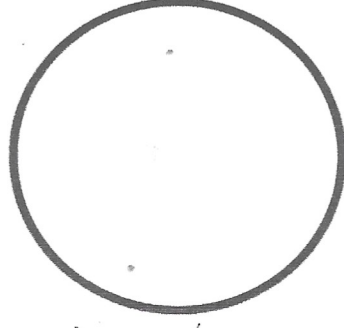
DATE=6/21/2022 TIME=3:00UT SITE=ACT C=II S=II SCOPE=22UC @240X

N 5292



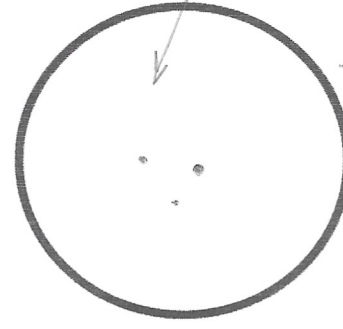
R, S, but
not too dim

N 3716



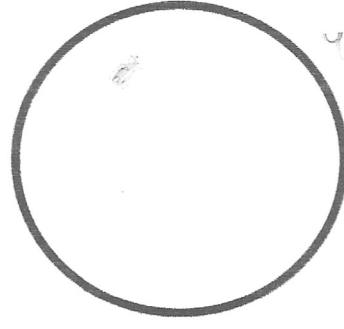
VE, R

HD 84406



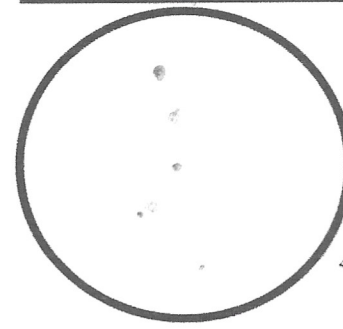
JUST "FIRST LIGHT"
8X
← 280Ma

N 4792/4794



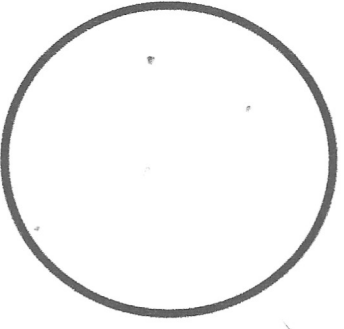
4792
4794
VE, VS

N 4757/60/4766



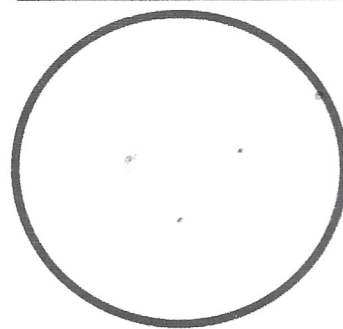
4760 V. EASY, BLUE.
4766 S, R, not
too dim
4757
← S, F

N 4675



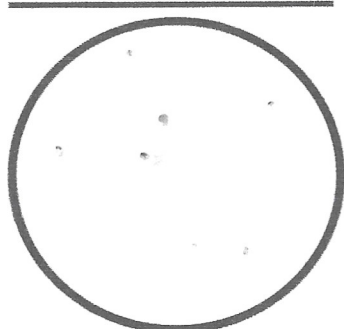
AV=2
VF, VS

N 4378



AV=3
R, VE, S

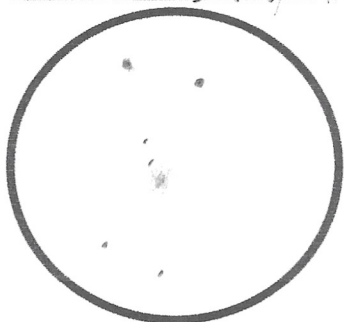
N 5025



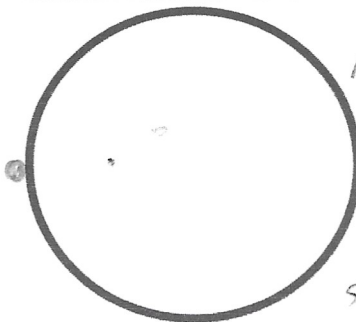
NICE, NOT DIM
S, R
CLEAR FS

DATE=6/25/2022 TIME=3:00UT SITE=ACT C=II S=I SCOPE=22UC @240X

N3179

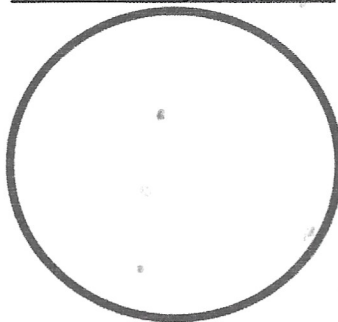


3540 aka 3548



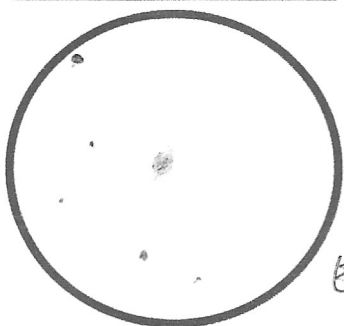
not on USA! chart
7m mult
be at ok fill
It is orange
S, F, not too dim

N3542/5



Both
AV=2
VS, VF

N3648



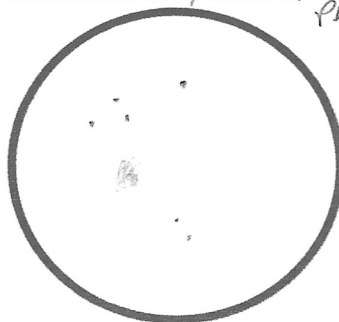
Nice!
MVC Bright,
Seems a little
blow.

1 clump AV=3
N3181
N3184/N3180/3181



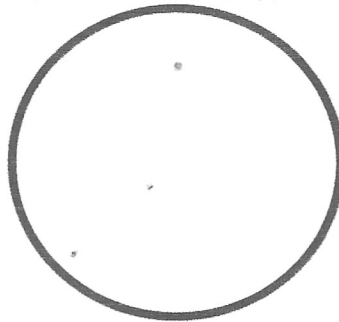
N3180
again
for
3180/1
THEY ARE
CLUMPS IN THE
LARGE SPIRAL

COMET C/2017 K2



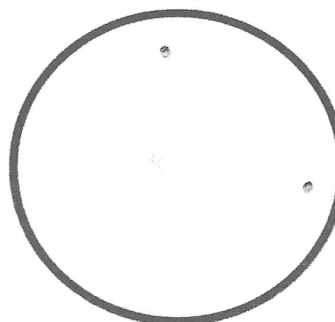
PROB STARS
110X
14" (MICHAEL'S
SCOPE)
SUBMITTED TO
COBS - SEE THAT
FOR INFO

N3569



S, F, stellar

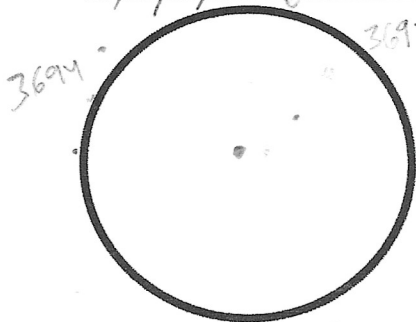
N3694



AV=2
F, R

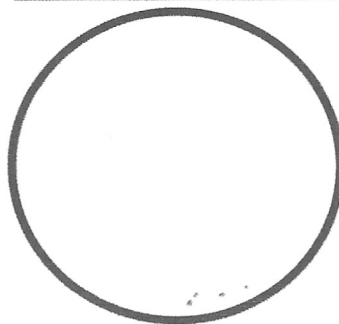
DATE=6/25/2022 TIME=4:30UT SITE= ACT C= II S= II SCOPE=22UC @240X

N3694/5/8/3700 3700



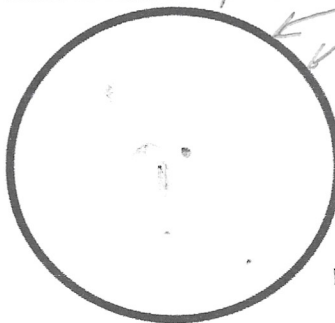
NICE GROUP
BUT ALL
S, J1, F

N3755



AV=3
BUT OUT
VWF

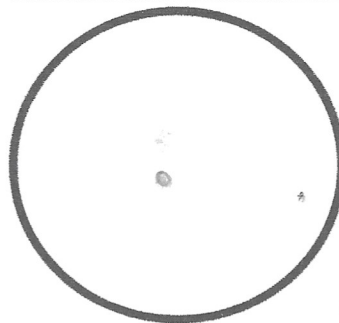
N3788/3786



AV=4
MCF+05-
28-005

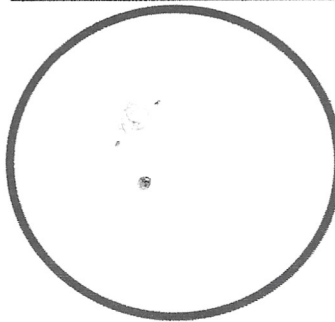
← 3788
NICE CONTRAST
IN PA & SHAPE

N5366

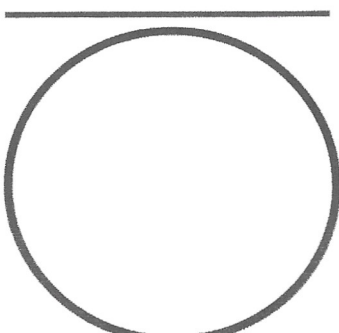
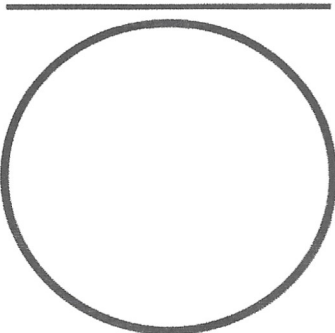


VERY EASY
TO ID W/ES,
R, F, BUT
NOT
OVERWHELMED

N5584

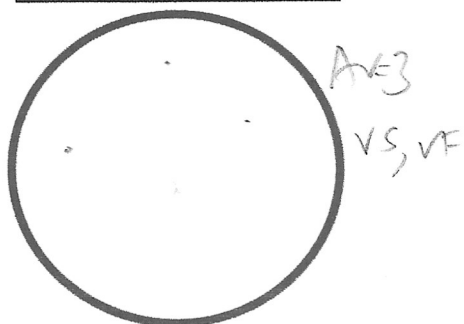


L, R, a little
F but DV OK
2 FS seen

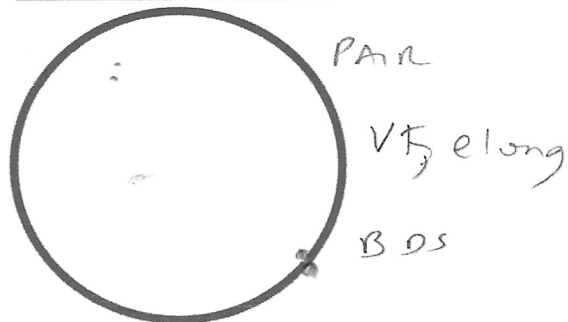


DATE= 6 / 21 / 2022 TIME=4:15 UT SITE= ACF C= II S= II SCOPE=22UC @240 X

N 5099



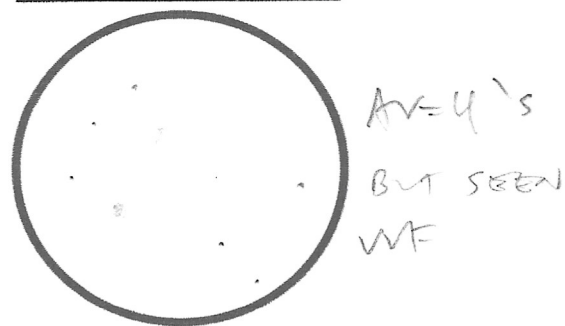
N 5105



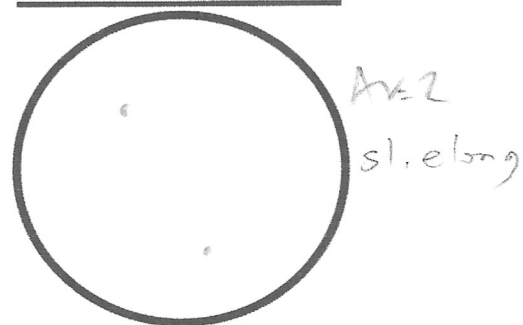
N 5122



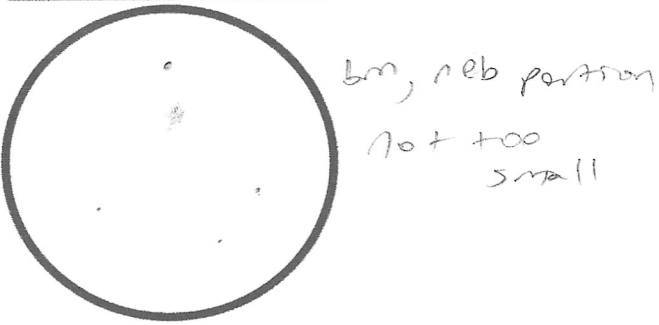
N 4466/7



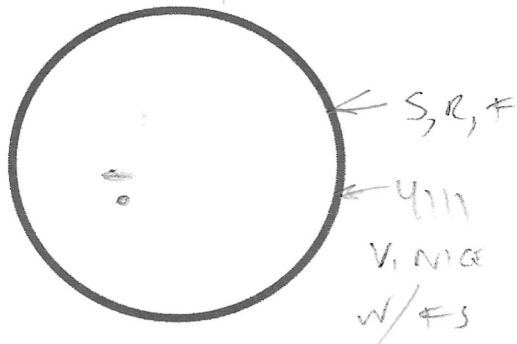
N 5159



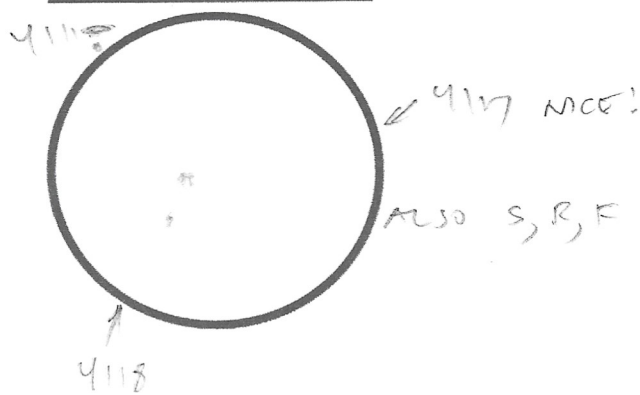
N 5231



N 4109

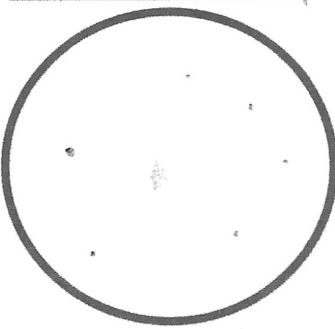


N 4110



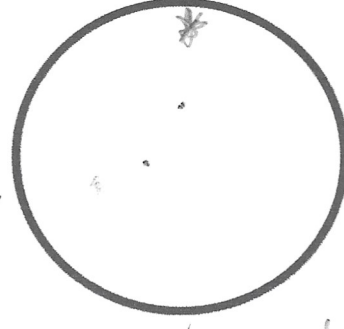
DATE= 6/29/2022 TIME=4:00UT SITE= Act C= I S= I-SCOPE=22UC @240X

N 3809



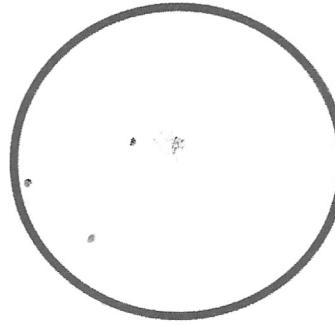
AV=2
sl. elong
VF

N 3759



ON A LINE OF
FS FROM BRIGHT
FS, BUT
VS, VF

N 3846



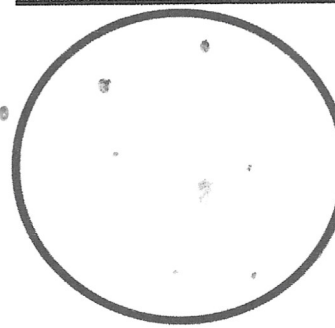
SOME HINTS
OUTSIDE
NVC, BUT
THEY ARE
AV=4

N 3888/9



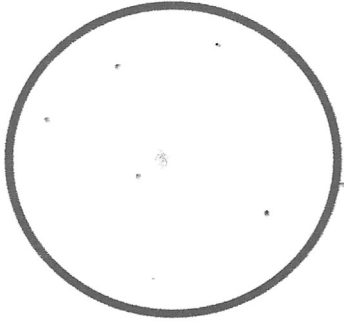
← 3889
← 3888
TINY, F

N 3898



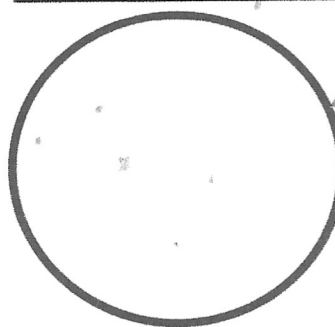
S, no too F

N 3850



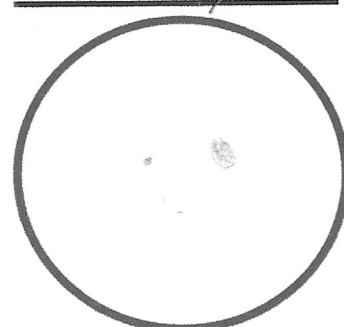
AV=3
VF, VS
←

N 3928/32



← 3928
← 3932
VVF, VS
AV=3

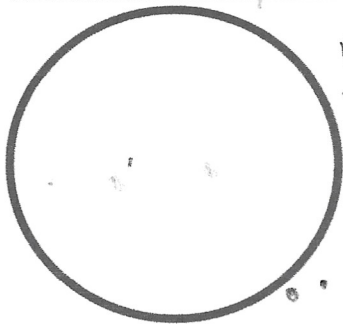
N 3949/50



← 3949
← 3950
AV=2 VF, VS

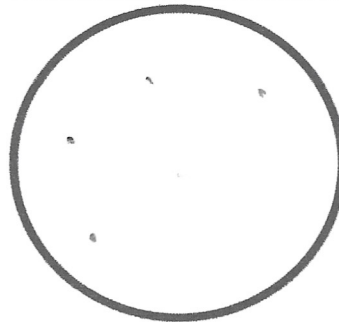
DATE=6/29/2022 TIME=5:15 UT SITE=Act C=I S=E SCOPE=22UC @240X

N5558/63



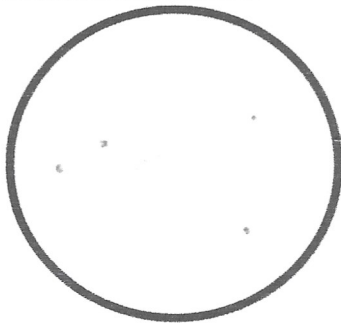
BOTH
TINY &
VF

N5575



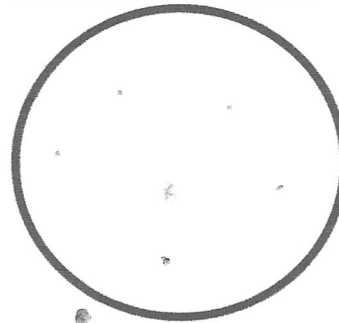
AV=4
JUST SEEN
←

N5573



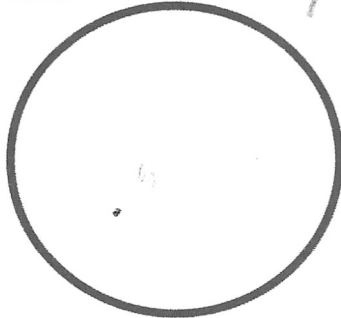
AV=3, elong
←

N5681



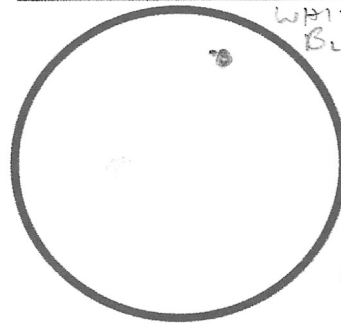
F, S

N5765 A/B



AV=3!
BUT BOTH
SEEN, VF

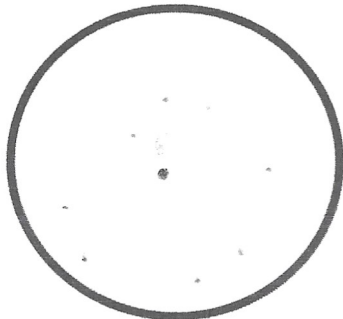
N5769



WHITE
BLUE LOVELY DBL
SMALL

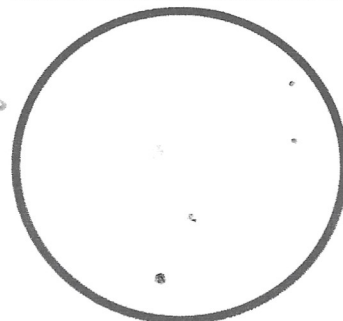
AV=2
MED SIZE, VF

N5790



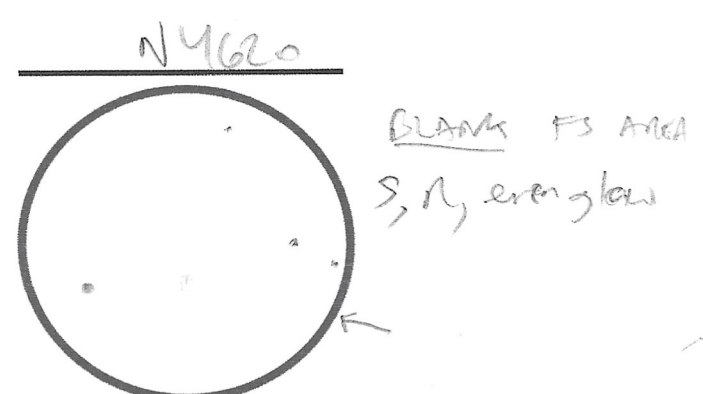
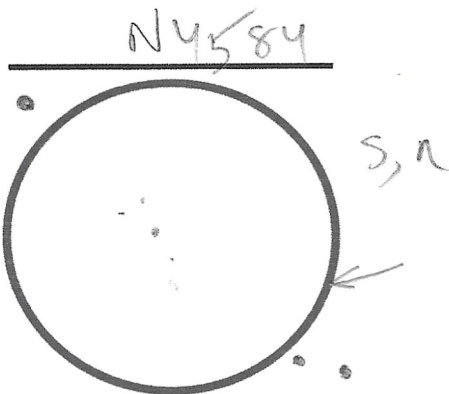
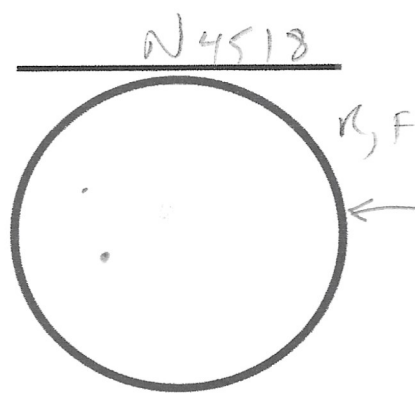
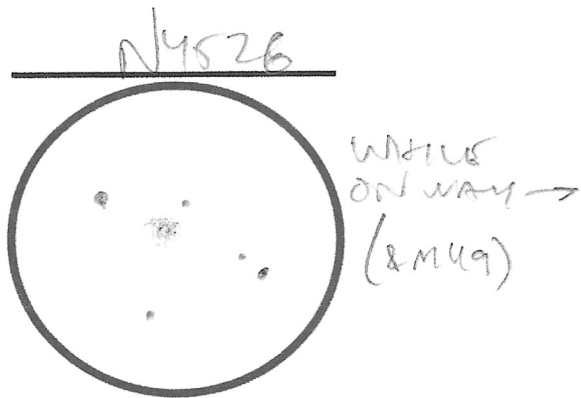
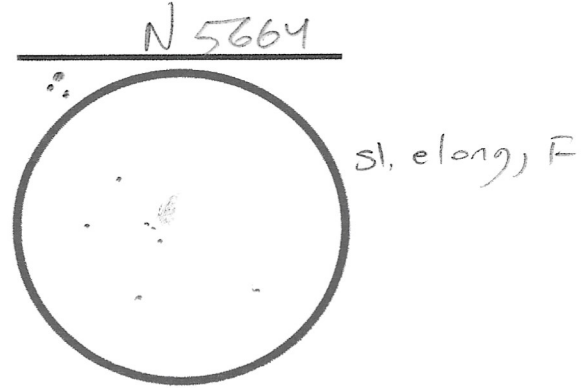
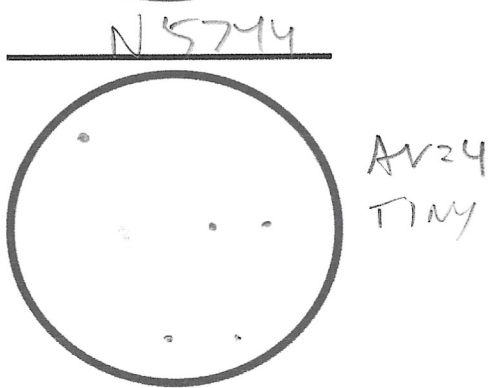
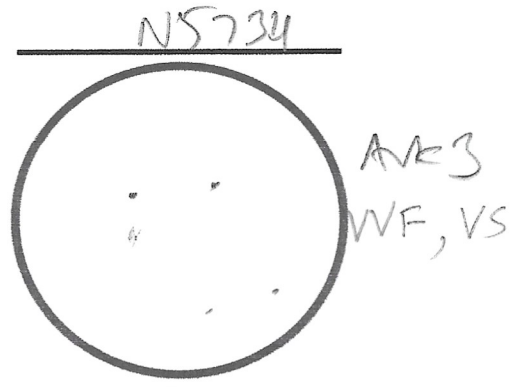
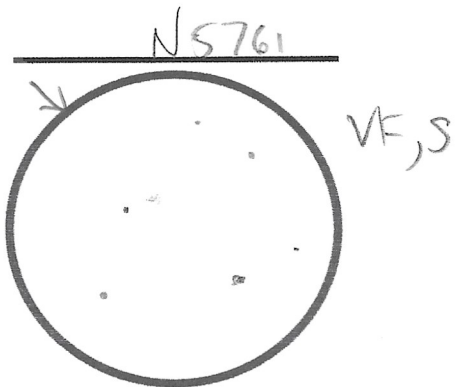
←VF, S

N6033



AV=3
VVF, VS
→

DATE= 6/29/2021 TIME=3:00UT SITE= ACT C=I S=I-SCOPE=22UC @240X



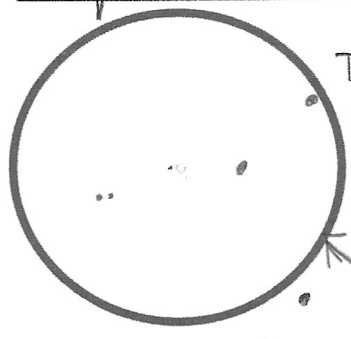
1:30 UT 8x40
then 1x binoculars

✓ NGC 6192 1640-43.4 8' 11"

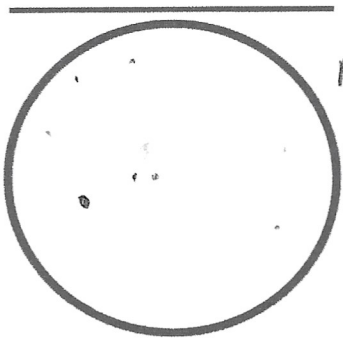
52 new SL's seen in Oct but all 6m (6)

DATE=8/26/2022 TIME=2:10 UT SITE=ACT C=I S=II SCOPE=22UC @ X

NG 6192

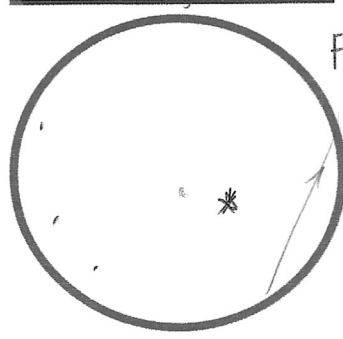


TINY FULL SPOT
W/FS E OF IT
NO DETAIL
25X100 BINOCES
24mm EPIS



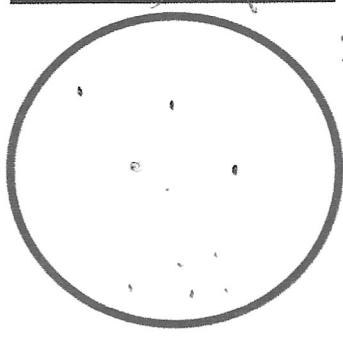
R, S, no detail

5995



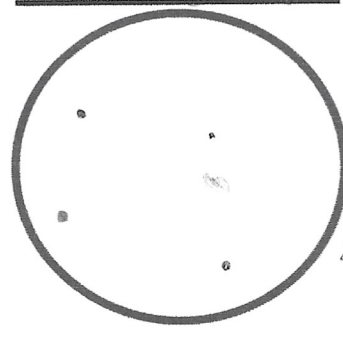
F BS, VF, no
detail, S, R
2:49

5959



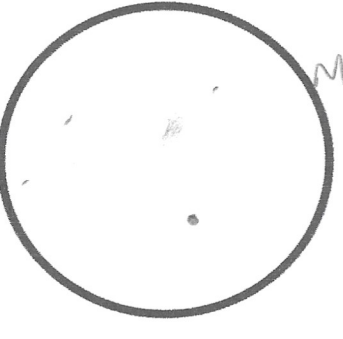
S, sl E, F but
seen OK

5869



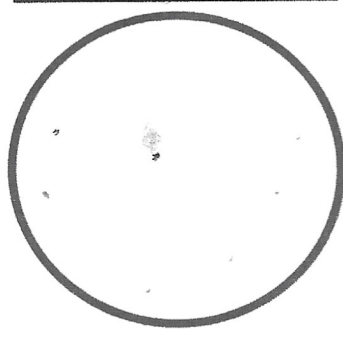
Rather B
nice FS,
elong, no
seen, sl B mm

5707

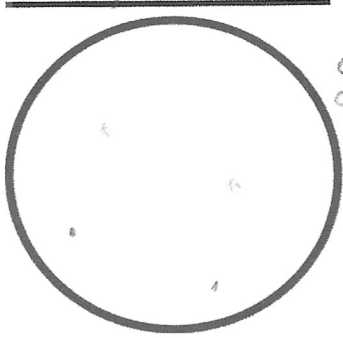


MC5!

5693



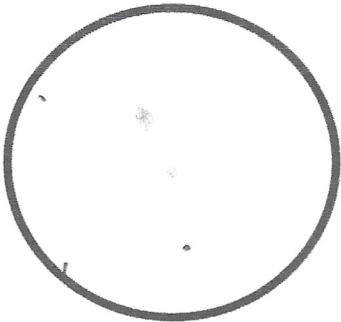
5686+?



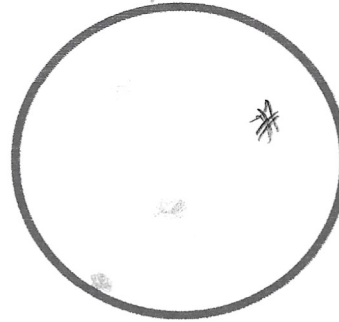
check
on prev, serial

DATE=8/26/2022 TIME=3:00 UT SITE= Acc C=~~I~~ S=~~II~~ SCOPE=22UC @240X

5682+5683

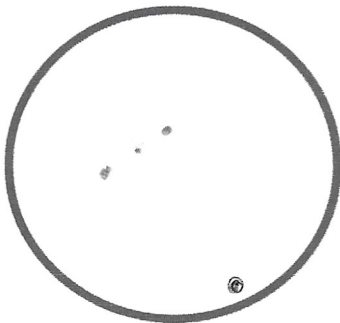


5794/915+

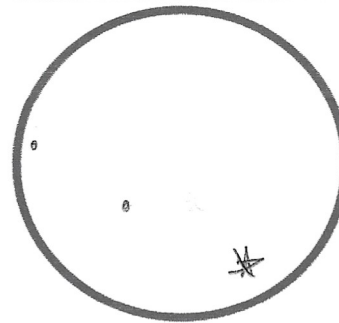


5505?
4 seen
VV dith

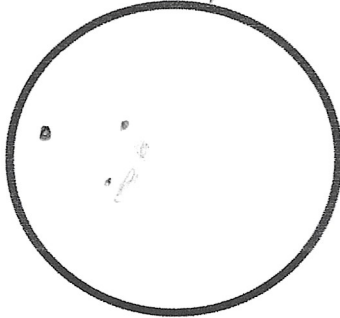
5810



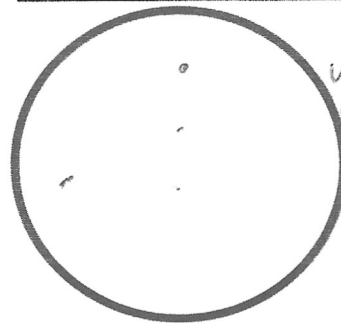
5830



5895/96

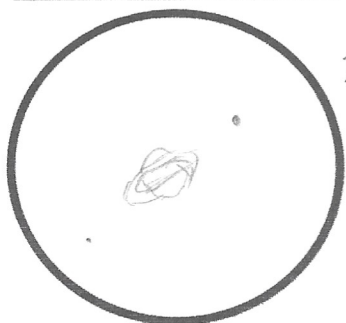


5914



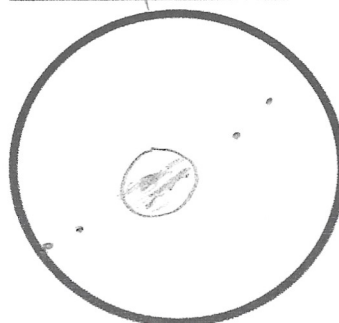
w/ LFS in
AV=3

h



240x very 20
only 2 moons

z

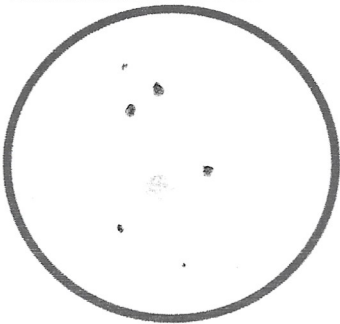


Dist ex-g. X3
no relief either

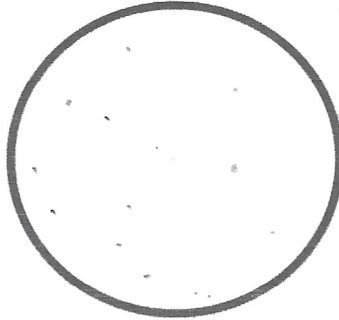
6203 / e 455 J
29m

DATE= 8/11/2022 TIME= UT SITE= ACT C= II S= II SCOPE= 22UC @ X

6092

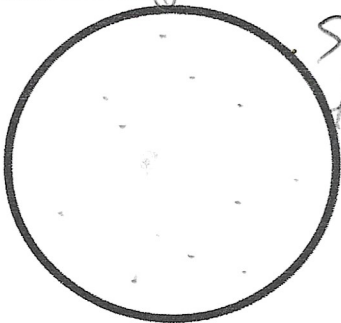


6203

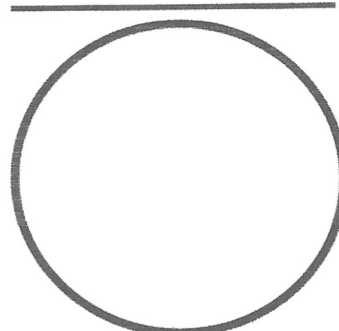
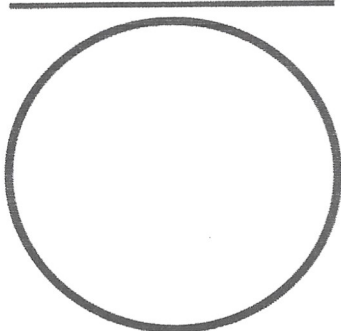
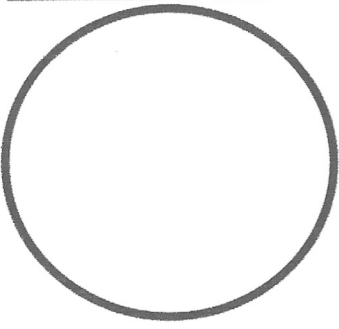
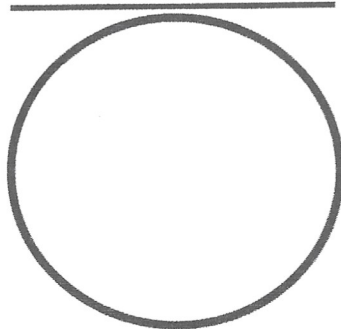
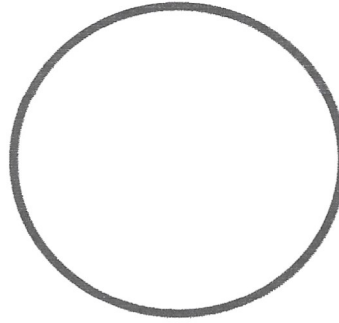


VVF, VS, AV=4

6093

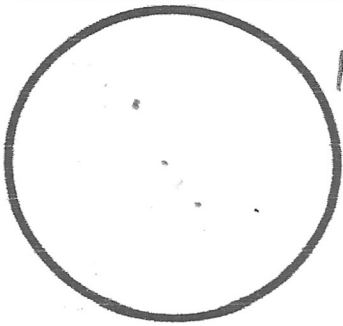


S, R, VV
AV=2



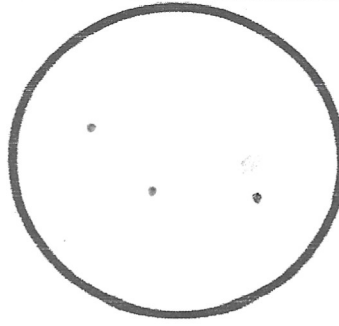
DATE= 9/20/2022 TIME=2:00UT SITE= Act C=II S=II SCOPE=22UC @24x

5720



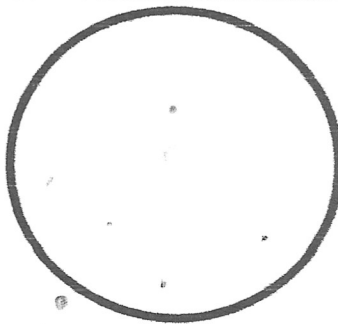
AV=4
VVF

5767



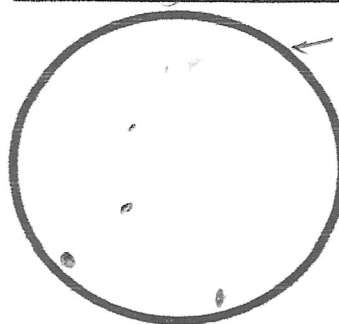
AV=4
VVF, not S

5835



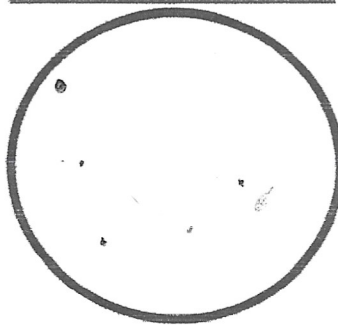
AV=4
VVF, some
shape

5853



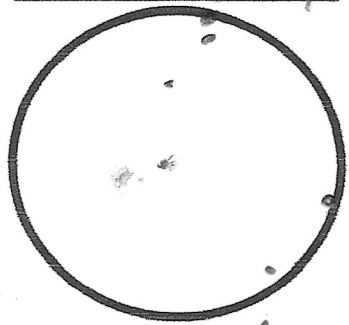
AV=4
VVF, vs

5860



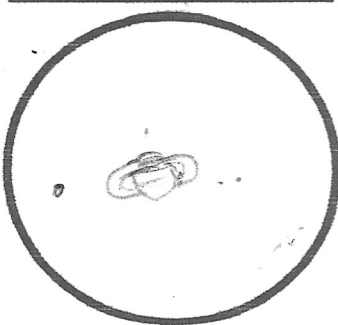
AV=3
VVF, sl. E

5886/89

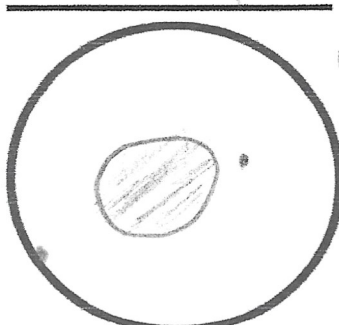


EASY'S,
MEP & SMALL
NOT DIM

k



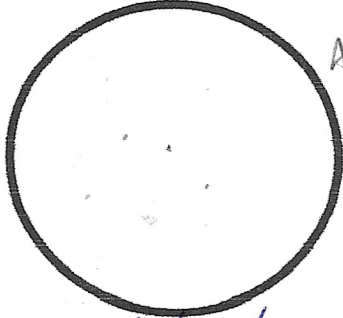
z



BURROW!

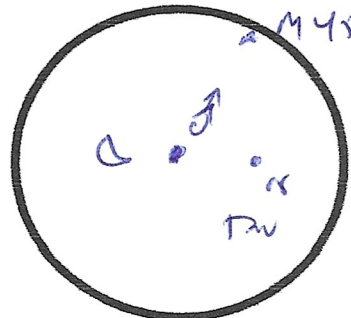
DATE=9/20/2022 TIME=900 UT SITE=ACR C=III S=III SCOPE=22UC @210X

6220



AV=2
VR VS

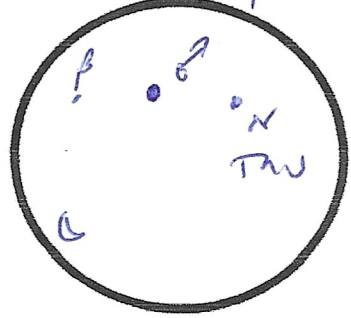
9/17/22



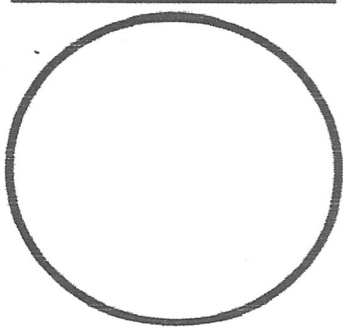
M45

TRW

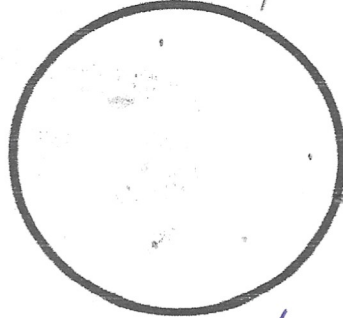
9/19/22



TRW



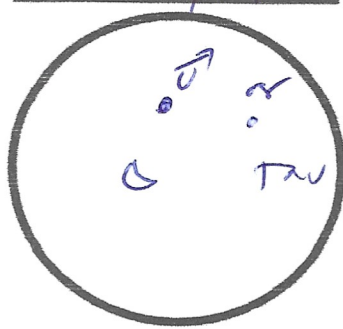
5932/3



← AV=3 sl elong

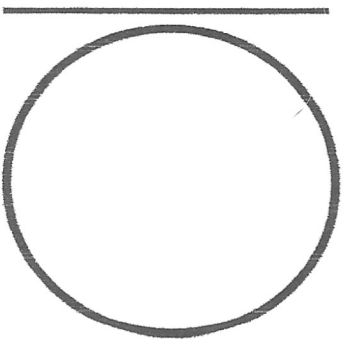
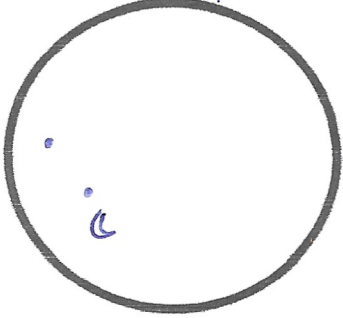
← AV=5 A HINT THAT IT'S THERE

9/18/22



~~Sketch~~

9/20/22 9100 UT



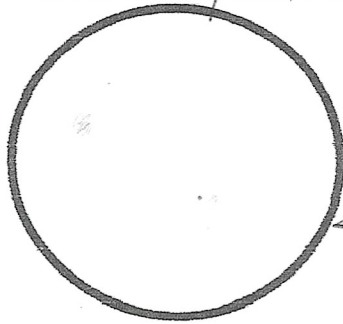
FRI OTSP 2022

ALL BUT LAST

BAD UNITS NOTE

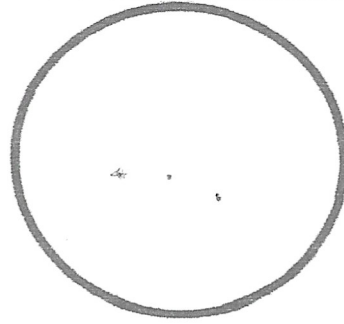
DATE=9/24/2022 TIME=200 UT SITE=OTSP C=I-S-I-SCOPE=22UC @240X

392/394



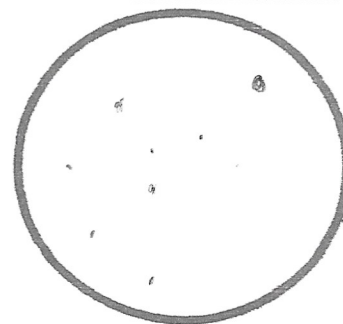
BAD
IT
AV=2

397



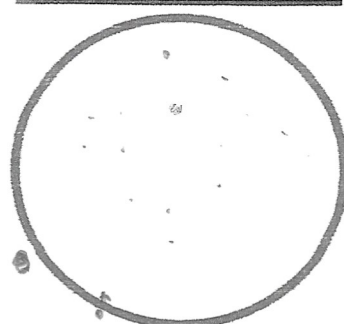
AV=3
BAD

553+552



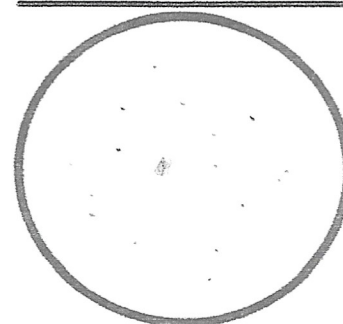
Stellar, R
BAD

561



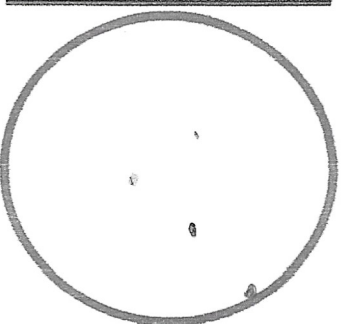
~~BAD~~
OK

566



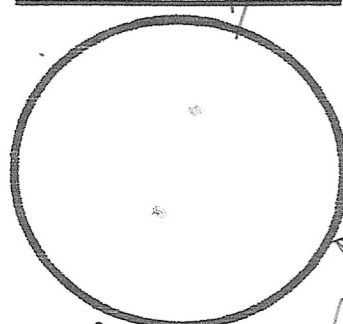
AV=2
~~BAD~~
OK

571



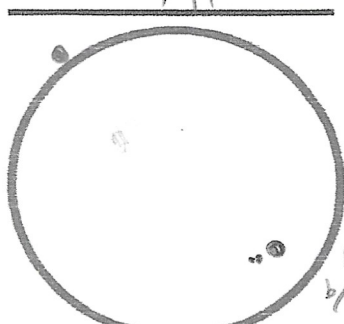
S, AV=2
~~BAD~~
OK

579/582



~~BAD~~
OK
579
(S/B)

591



OK
sl. elong
even glow
B-W
b/b

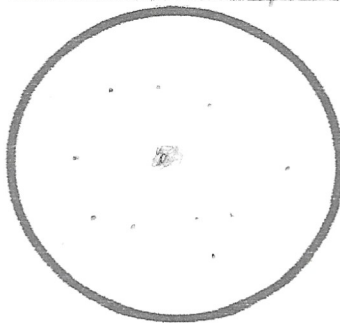
DATE= 9/24/2012 TIME= 300 UT SITE= 0738 C=I S=I SCOPE=22UC @240 X

394/32

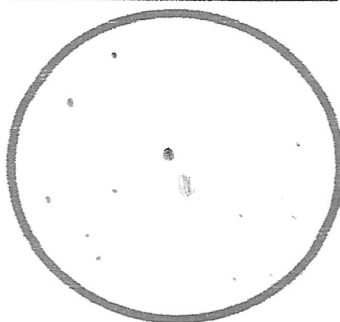


S, sl F, oval
E, b, oval

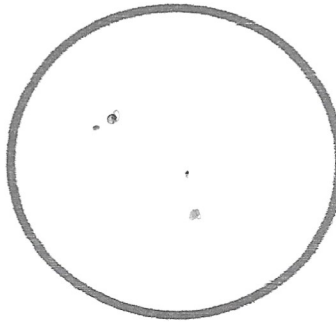
397



587



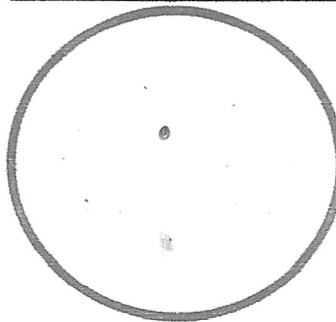
AV=2



← 582
← 583

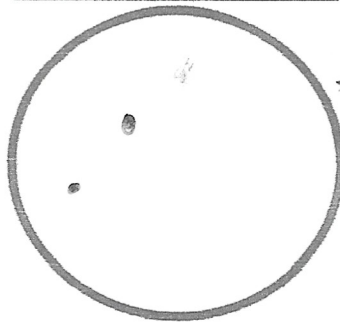
561/64/71
579/582

621



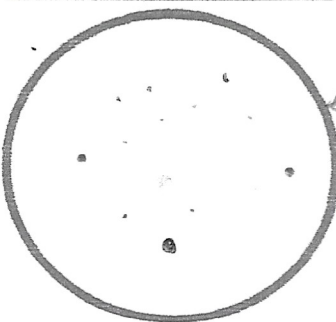
NICE, BLANK
FIELD EXC.
1 STAR &
DIMS

634



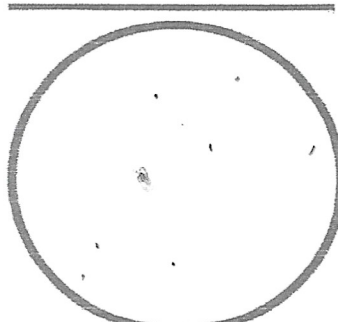
sl E, not F

7287



← AV=2

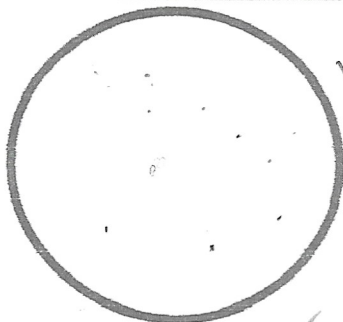
106



1 Small
+) F, AV=3

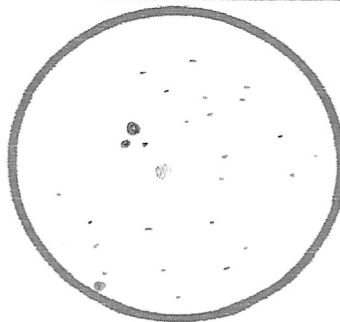
DATE=9/24/2022 TIME=5:00UT SITE=OTSP C=I S=I SCOPE=22UC @240X

413



VVF, AV=4

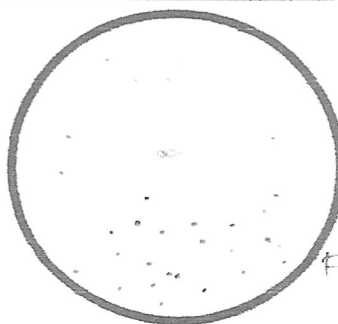
6663



VF vs, 1,

AV=3

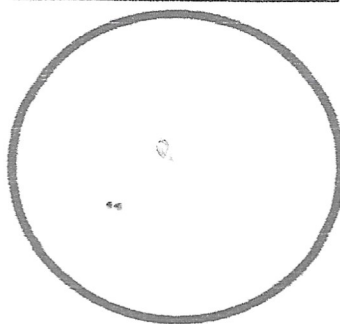
6675



not too F
sl. elong

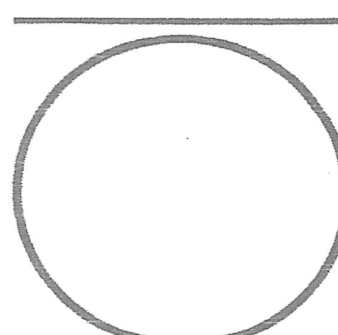
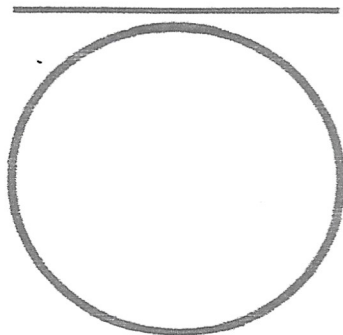
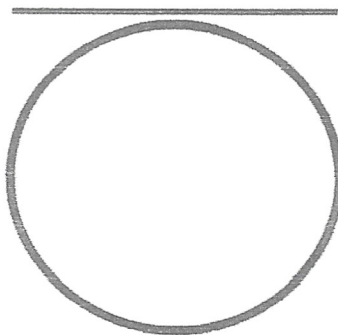
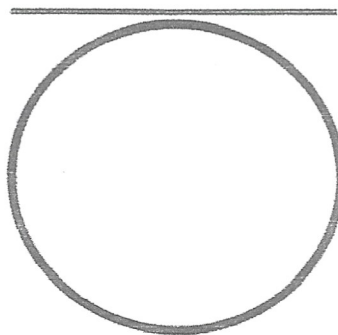
LOTS OF
FRINGS

6695



VVF AV=4

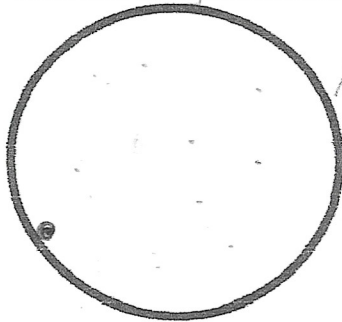
DS everywhere
in Flds



SAS

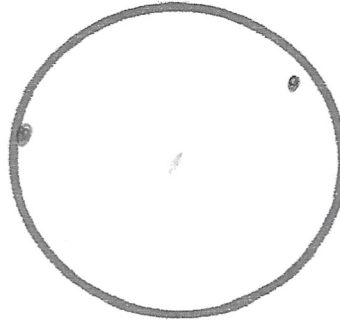
DATE=9/25/2002 TIME=2000 UT SITE=0T3P C=I-S=I SCOPE=22UC @240X

7495



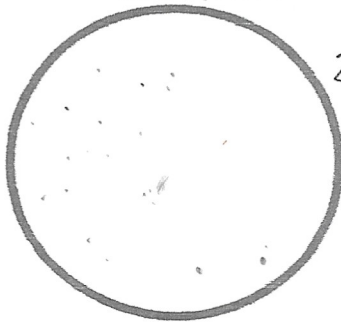
AV=4
S, E, L

7500



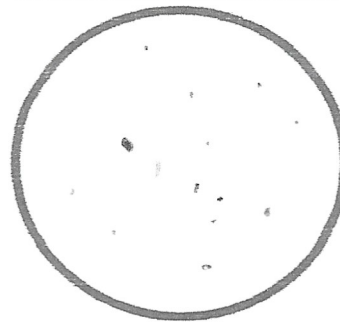
S, eF, GBM
SIE, AV=1

7511



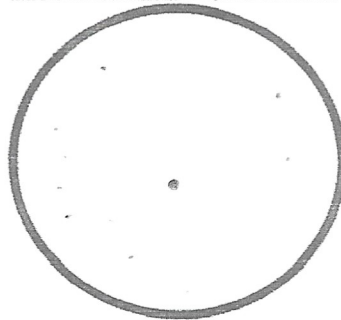
2 FS next
to it
S, E

7505



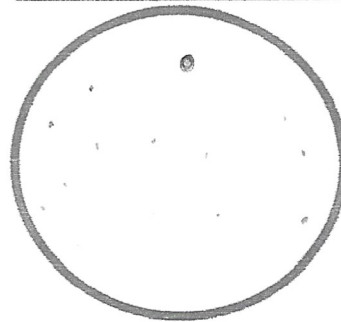
AV=4
IN LINE
OF FS

7528



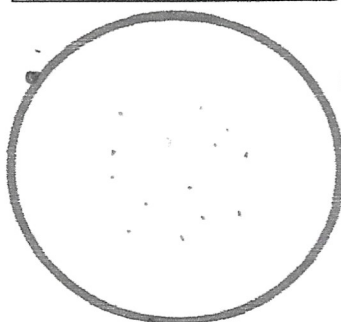
AV=3
S, VF

7529



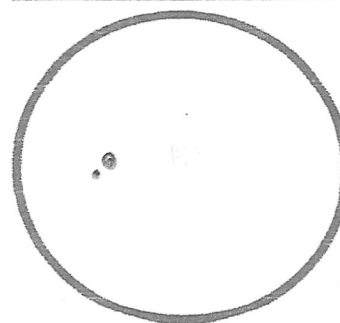
AV=3
R, VS, VF

6097



R, F, VS

562

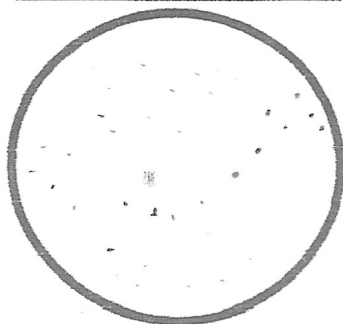


GHOSTLY!
AV=1, R,
Not small but
VF.

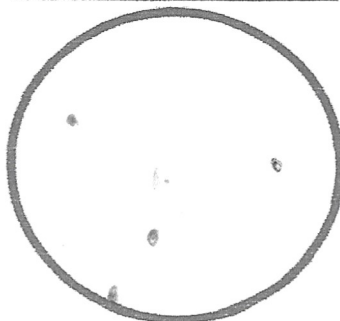
ABOUT AS GOOD OF SKY
AS THERE IS!

DATE= 9/25/2022 TIME=5:10 UT SITE= OTSP C=I S=I SCOPE=22UC @240 X

389

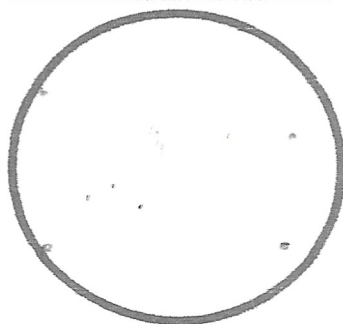


78



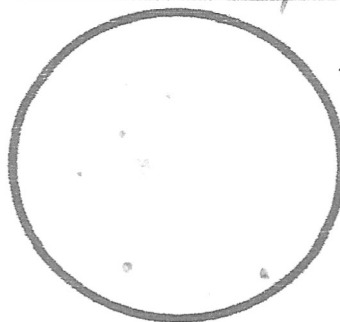
FS on IT

367



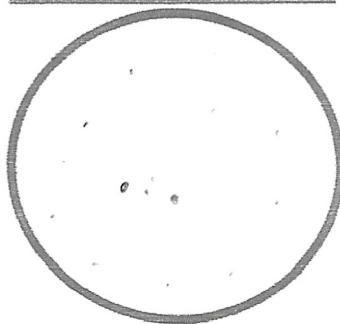
mag
3 @ 12 FS nearby
no shape
VF

237



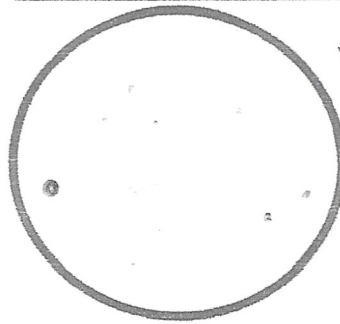
VS, VF

161



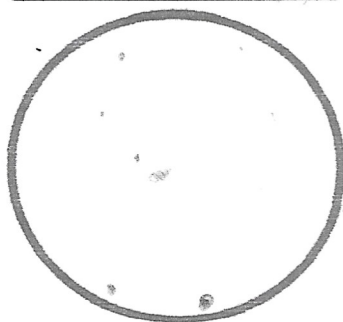
BETWEEN
2 FS,
W VF
IN IT

239



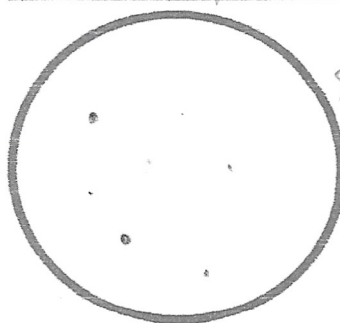
VF, @ 20°
NEVER FOUND
w/o disc.

675



SL ELONG
S, not too
dim

715



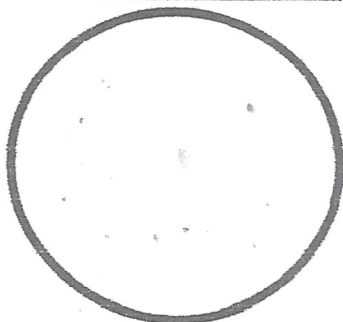
6125 VF

S, E, R

SEE
NEXT
PAGE

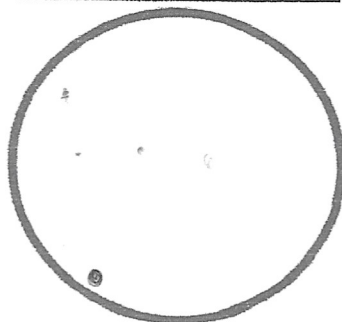
DATE=9/15/2022 TIME=6:40UT SITE=OTSP C=I S=I SCOPE=22UC @240X

1236



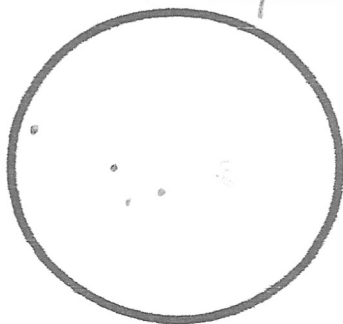
AV=2

75



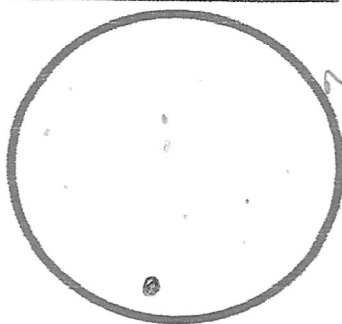
VSVF

814/15



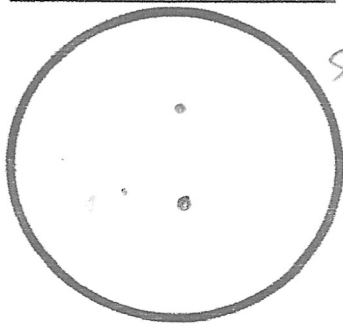
AV=3

921



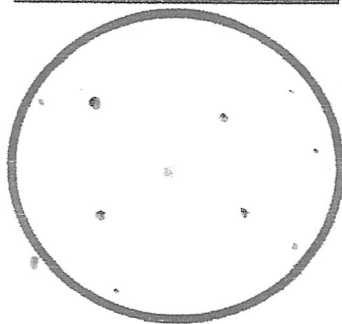
NEAR A
FS,
S, F, R

944



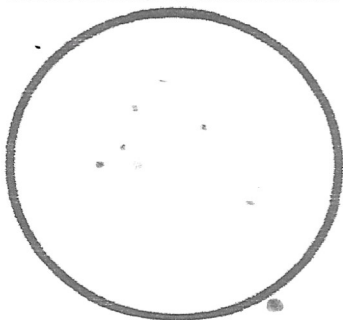
S, not too dim
no elong noted
SBM

1092



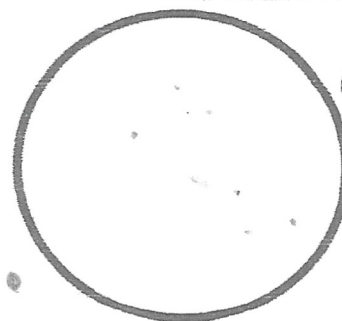
BM, NJC

1109



VFA

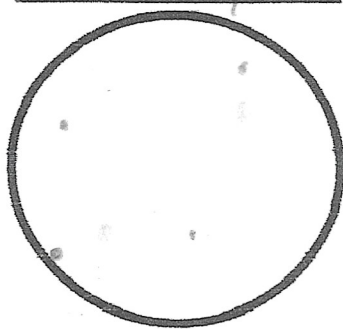
1110



ELONG,
NEAR
FS Δ

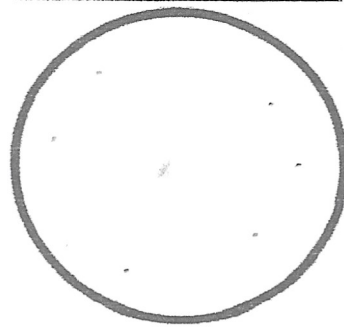
DATE= 9/16/2022 TIME=7:45UT SITE= OTSP C=I S=I SCOPE=22UC @210 X

1148/52



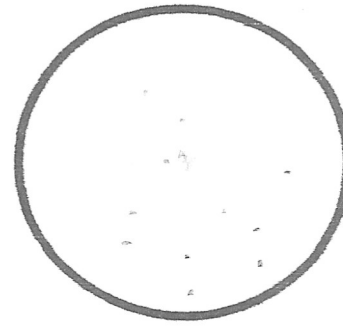
Don't see
but in view

1185



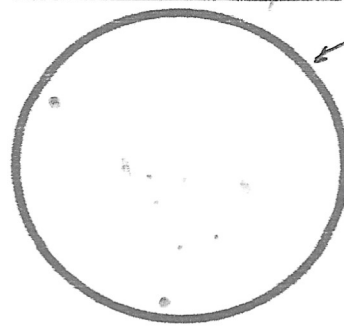
S, VF, SIE
AV=2

1222



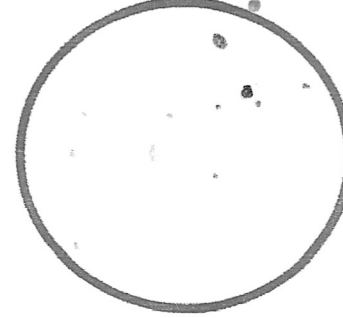
S, BAR?
VF

1221/3



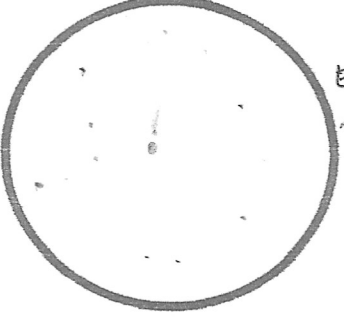
← ELONG
VF VS
← SL. ELONG
VF VS

1225



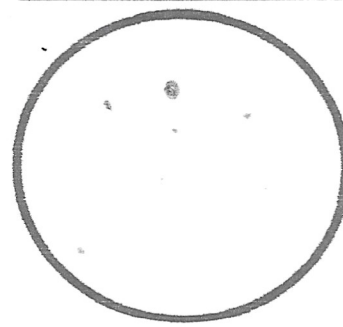
← VF VS

1234



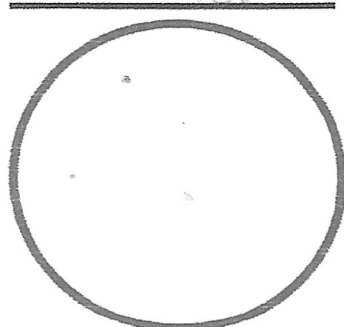
ELONG, POINTS
TO FS

1286



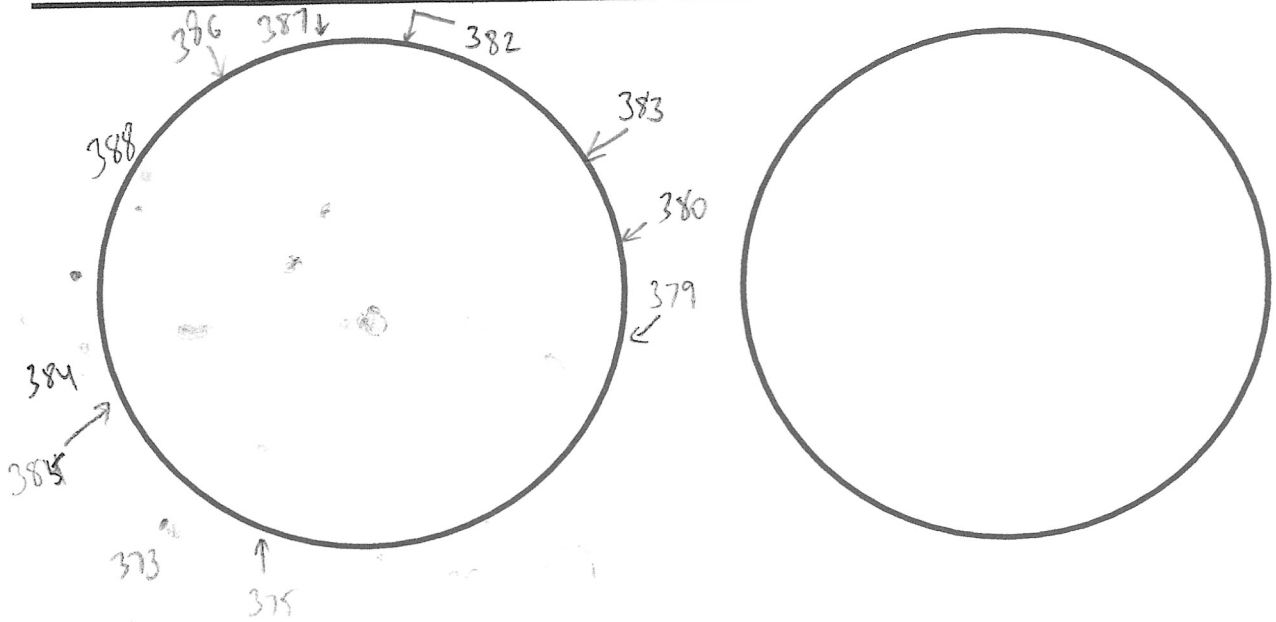
R, VF, VS

1285



8:30 UT
AV=2

SAT 9/25/2022



ALP 331 TO REVIEW
TO FINISH W/ 373, 375
GOOD MATCH EXCEPT
HAD 386 / 387 FLIPPED

THIS AND FOLLOWING ARE

OTSP 2022 W/ 22" UC @ 240X

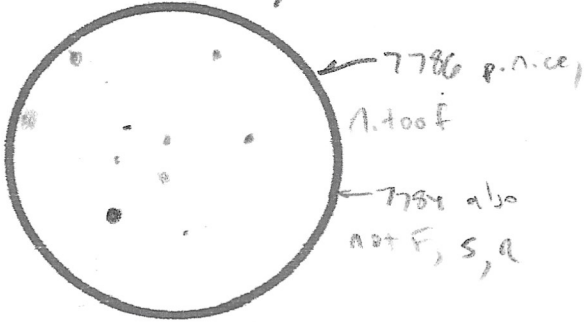
UNLESS O/W NOTED, ALSO, UNLESS NOTED:

C = E S = I NO FILTER NO D (LQ +)
= I

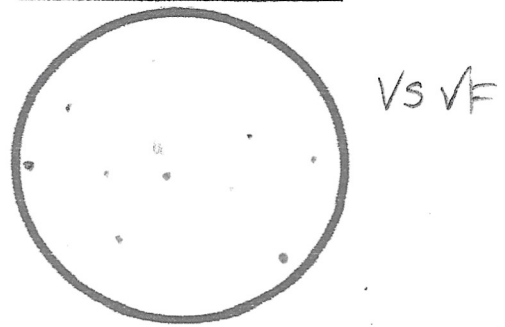
TIME = 2:00 UT - 11:00 AT

DATE=9/26/2022 TIME=200 UT SITE=OTSF C=II S=II SCOPE=22UC @240X

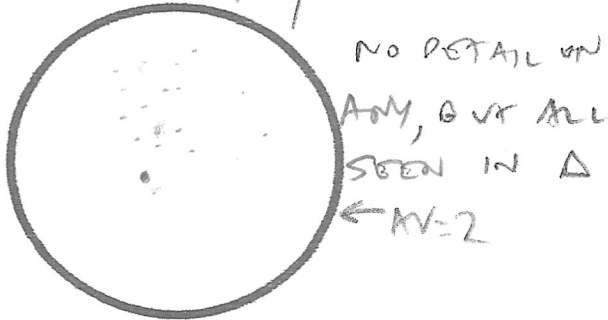
7734/86



7508



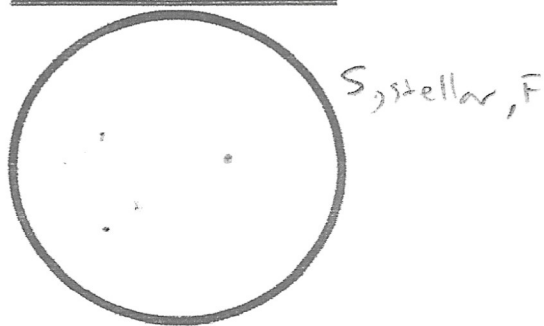
48/49/51



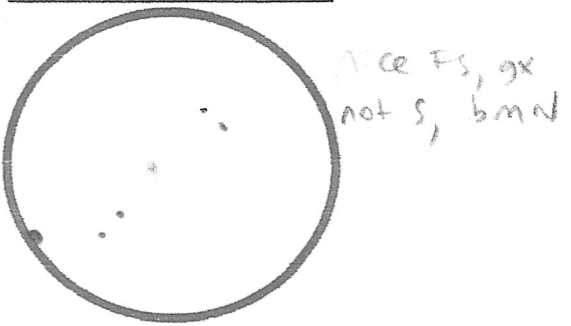
7562/7557



7564



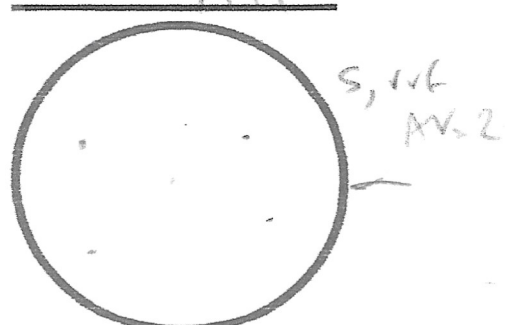
7599



7601

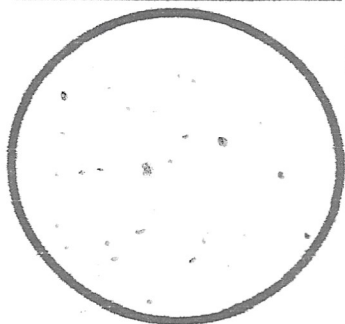


7599



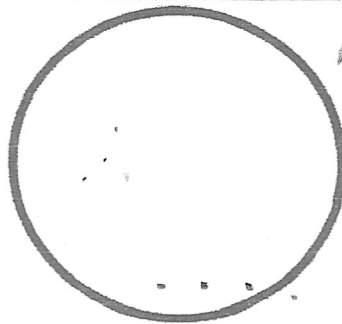
DATE= 9/26/2022 TIME=3:15 UT SITE= OBP C= II S= II SCOPE=22UC @240X

605



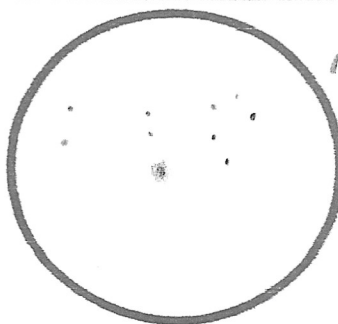
R, S
MCC FS

620



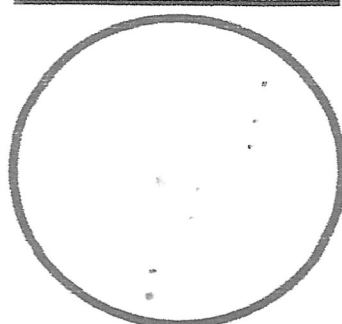
A-LONE BUT
NEAR 3
& 4 FS'S

590



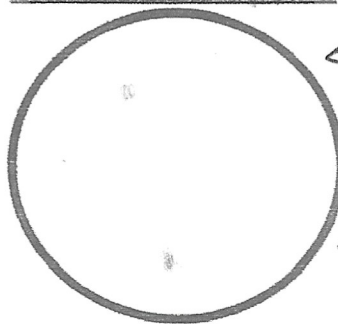
NO ONE IN
ME
EASY & R

573



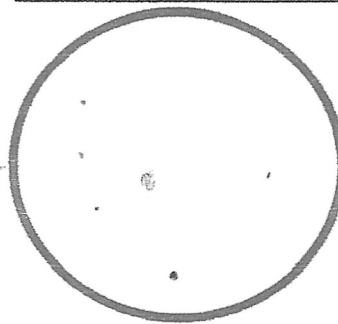
VF, VS
w/ good FS

783/785



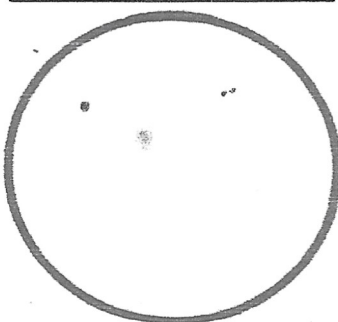
← 785
BOTH EXBY,
SMALL, NOT FAINT
← 783

798



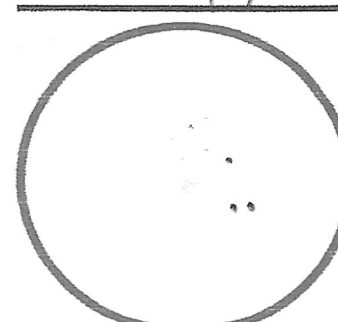
GHOSTLY
EVEN DIM
GLOW

789



B, BWC
R, DBL
NEAR

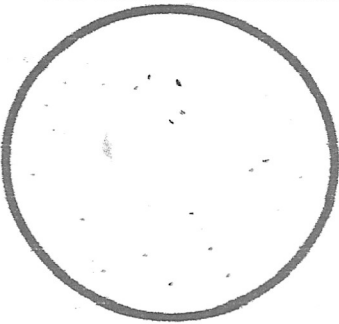
917



VS, VF
BUT
Δ FS

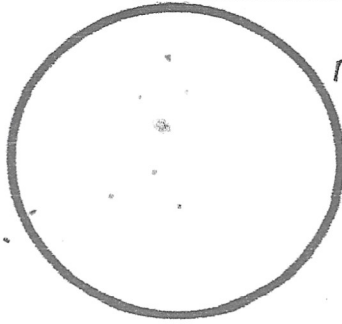
DATE=9/26/2022 TIME=4:50UT SITE=03P C=II S=II SCOPE=22UC @40X

931



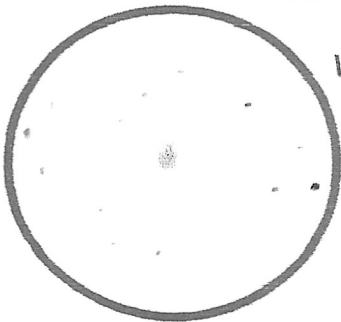
LENTICULAR
S, F

940



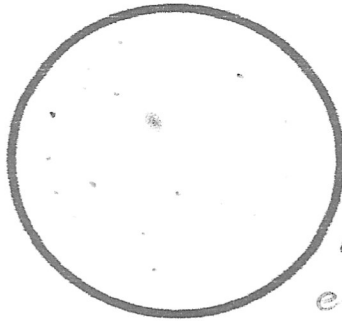
R, F

959



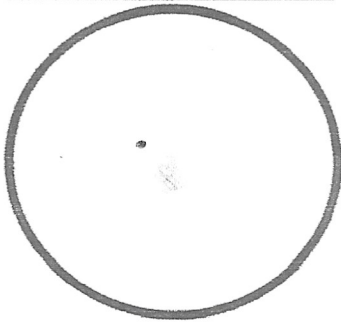
L, F, R
no AVC

968

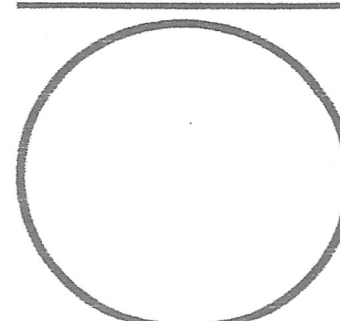
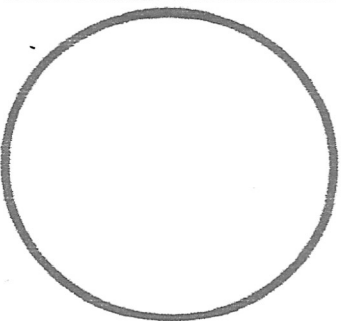
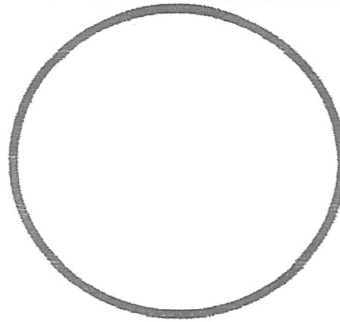


NEAR
BRIGHT
FS
not F, a bit
elong.

918



6:00 UT
L, dm



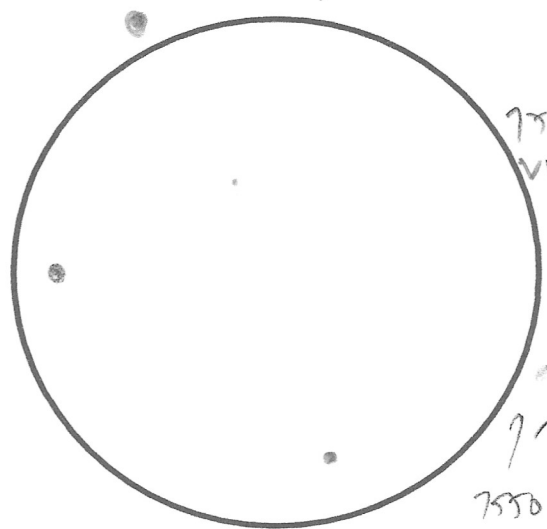
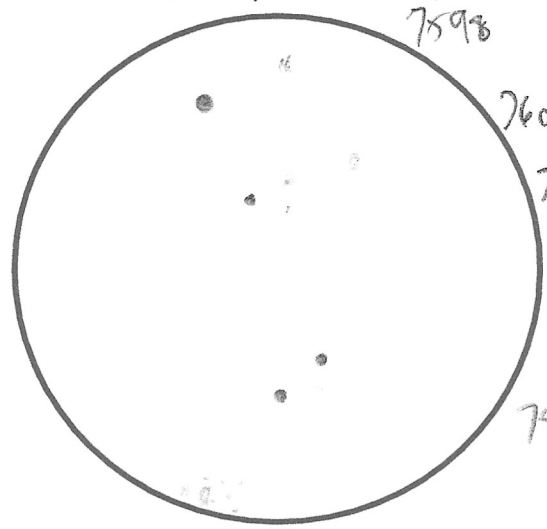
9/26/2022 OTSP

~ 3:00-6:00 UT C=II S=II 22" VC

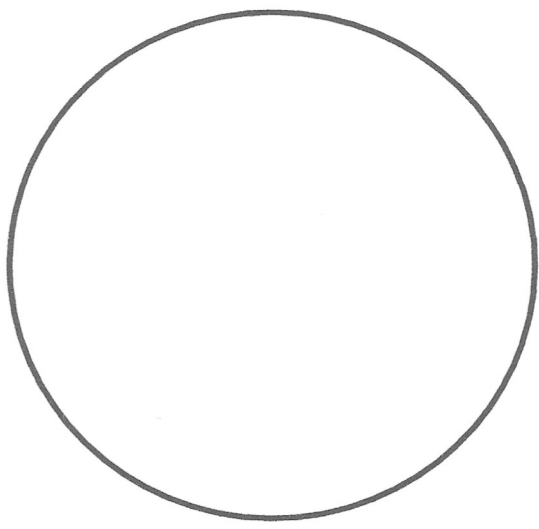
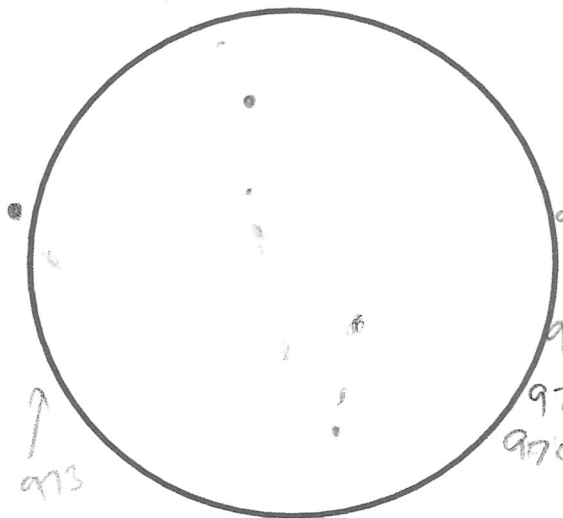
240x

7578A/B / 88 / 97/98 / 7602

7547/49/50/72

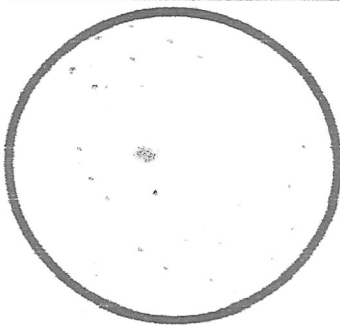


969/70/73/74/78A/B



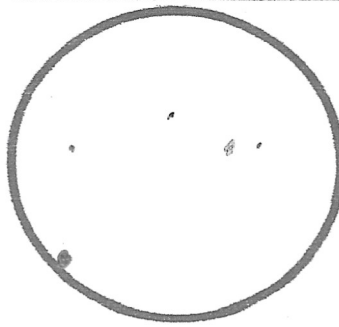
DATE=9/17/2022 TIME=200 UT SITE=Q3P C=II S=II SCOPE=22UC @40X

7624



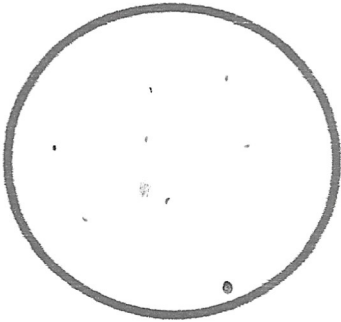
L, not dim
energy low

7568



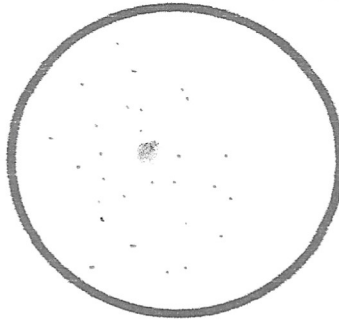
R, S

7574



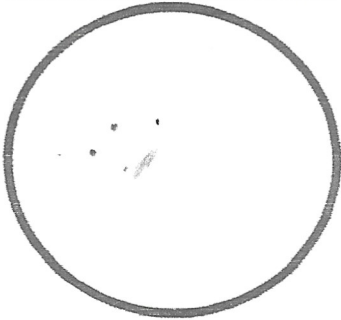
R, S, F

7819



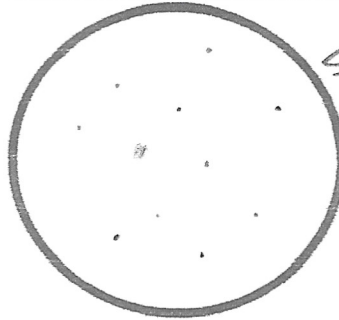
R, one?
not F

7831



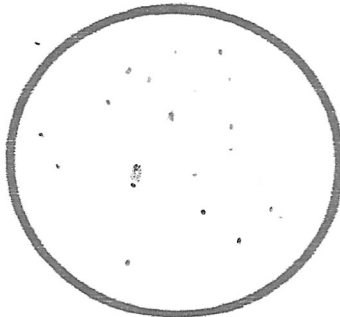
elong.
NO DETAIL

7836



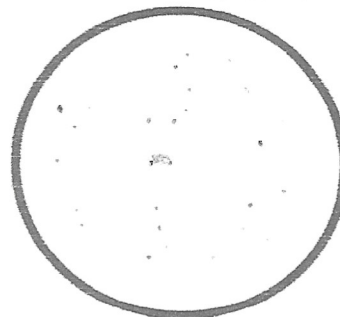
S, F, R

NGC 11



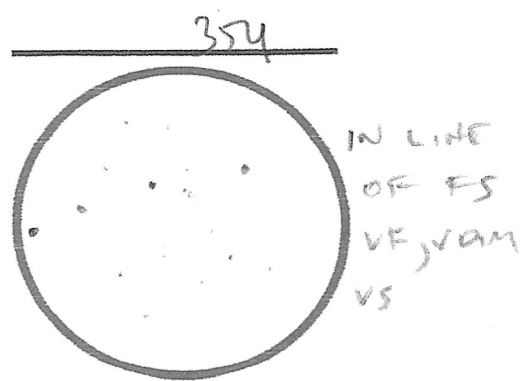
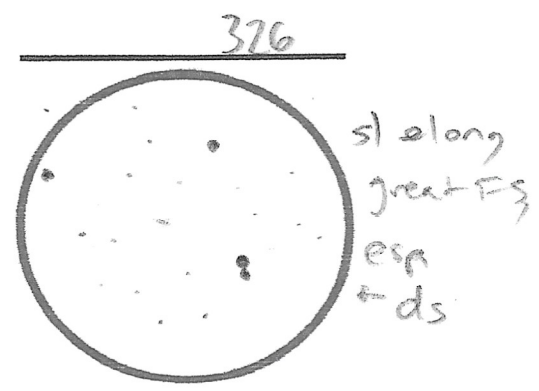
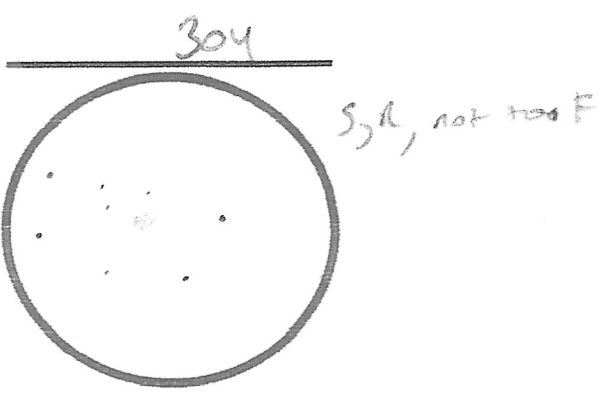
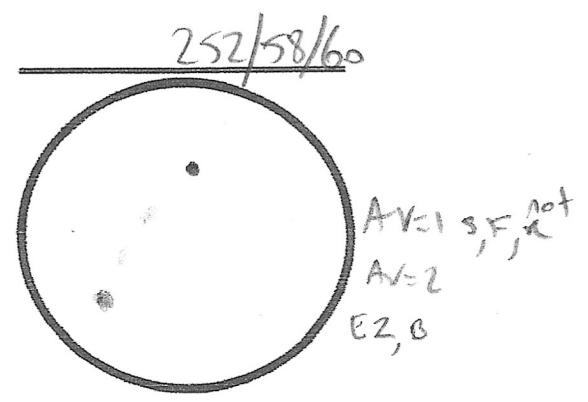
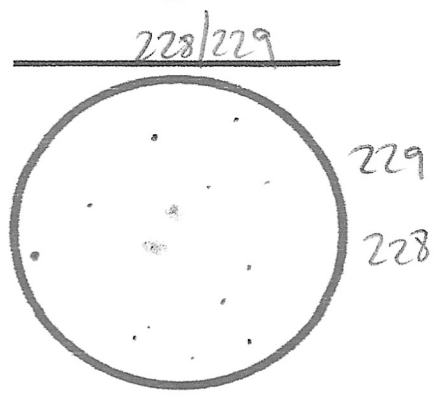
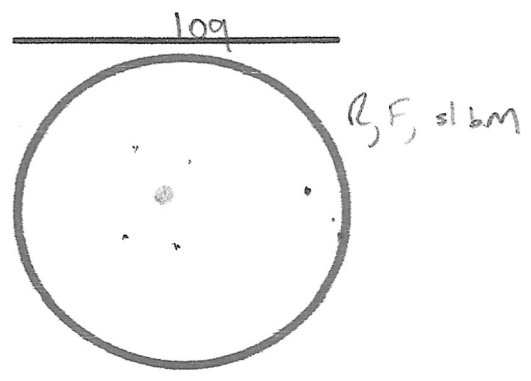
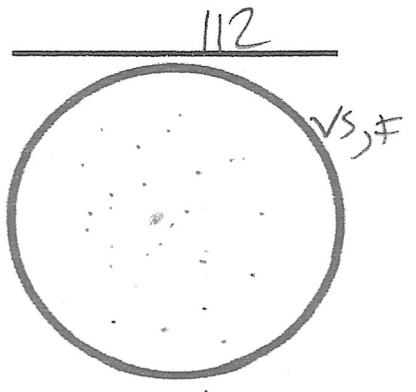
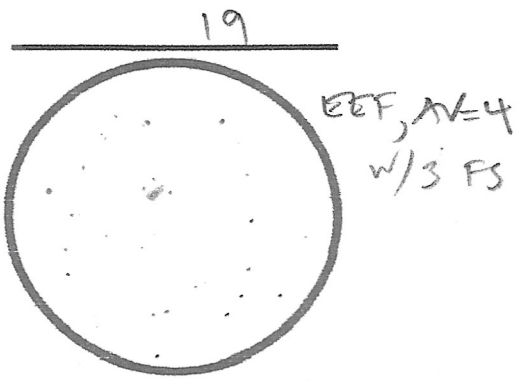
NEXT TO 2
FS's
S, F

NGC 13



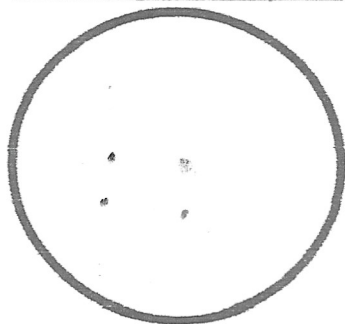
elong,
FS involved

DATE= 9/17/2022 TIME= 400UT SITE= OTSP C= II S= II SCOPE=22UC @240X



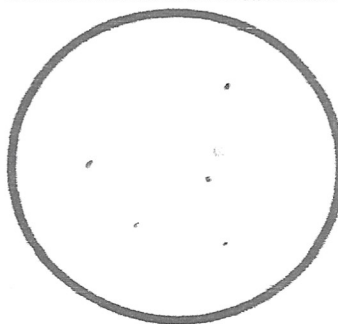
DATE=01/27/2022 TIME=5:45UT SITE=OTSP C=I S=I SCOPE=22UC @2x

N66 437



S, R, F
MCE FS

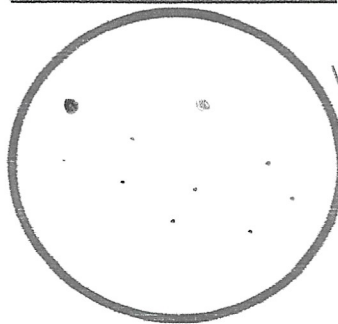
396



VF VS

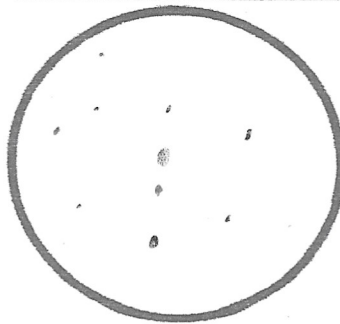
AV=3

1465



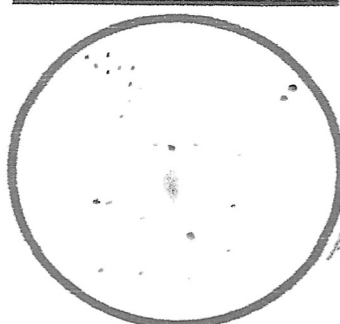
VS VF

435



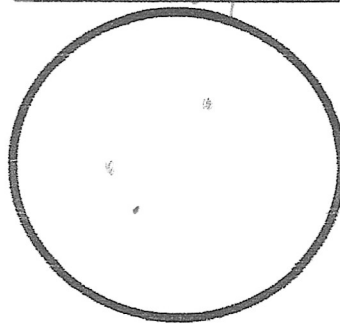
IN LINE OF
FS
R, S

331

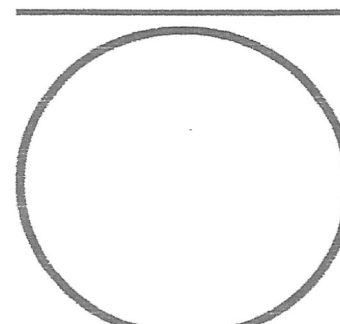
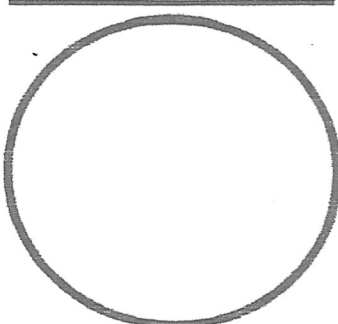


ELONG,
DBLS FS
ALL OVER

1166/68



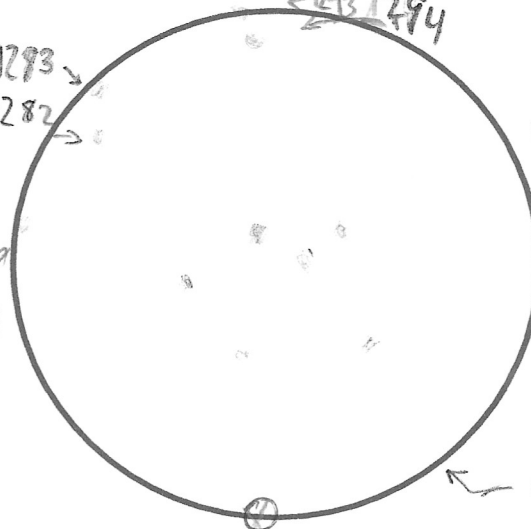
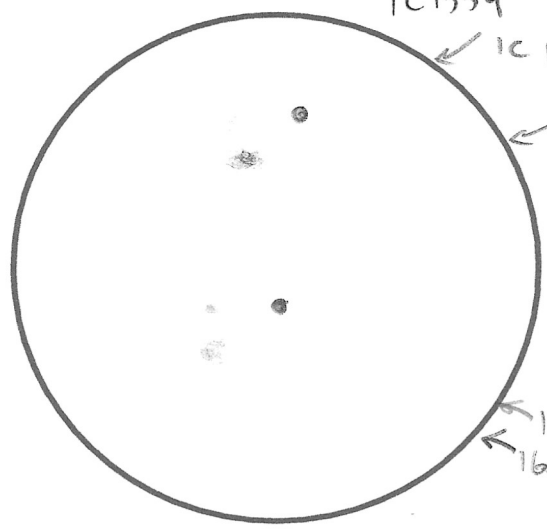
AV=3 born
VF WS
7:00



9/24/22 5:00
9/29/22 8:10 UT

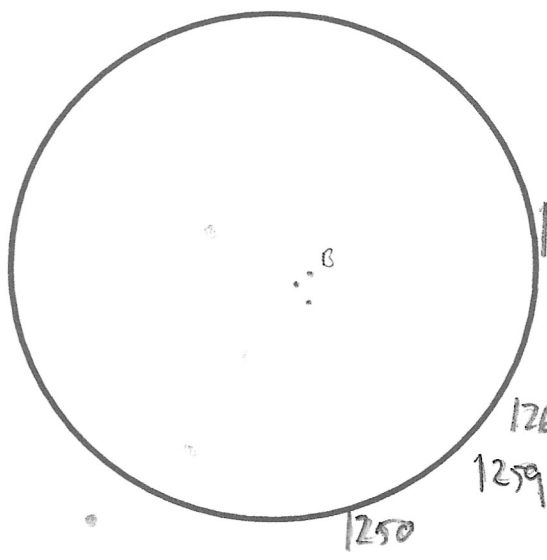
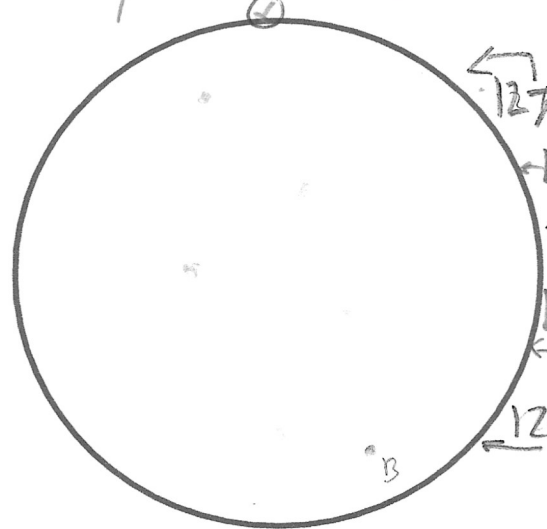
NGC 160/162/169+

NGC 1272/73/74/75/81/82/83/93



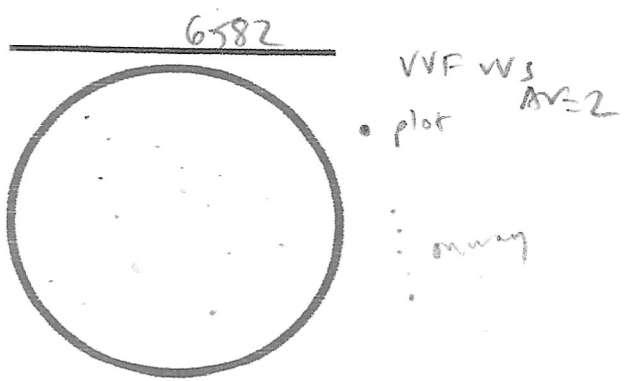
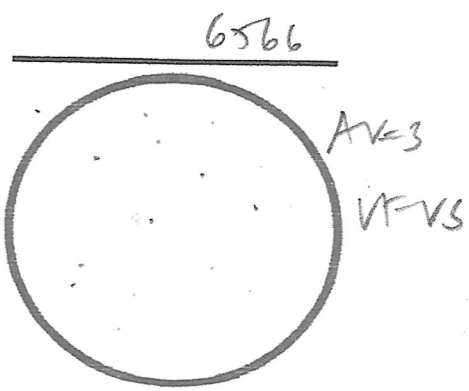
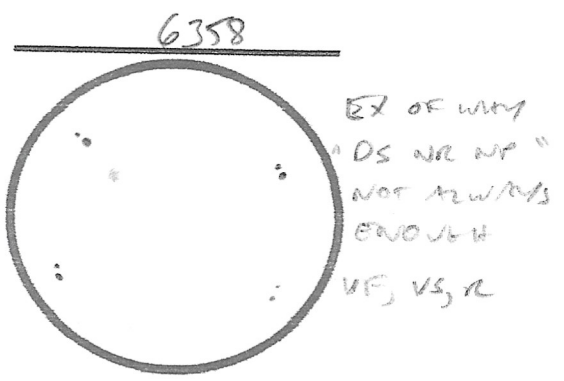
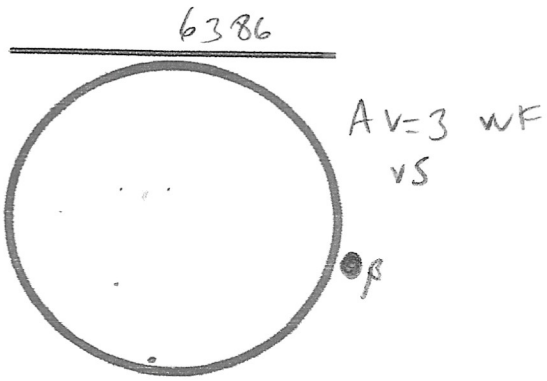
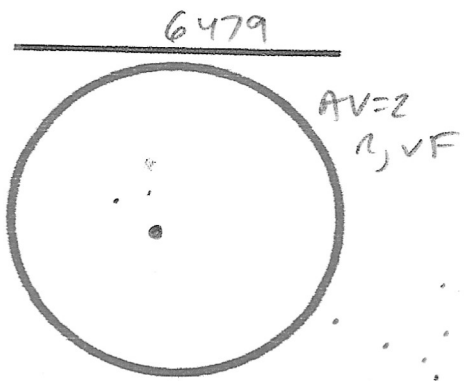
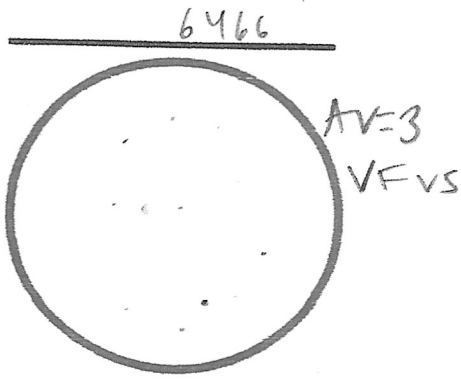
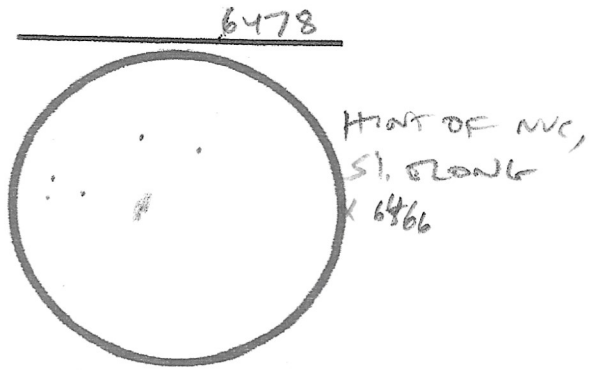
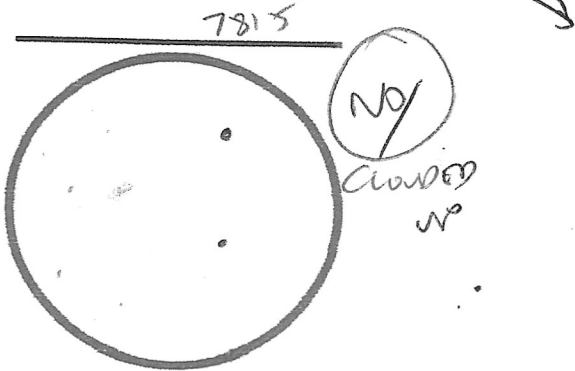
NGC 1264/67/68/70/71
Cont.

NGC 1250/59/60/64 Cont.



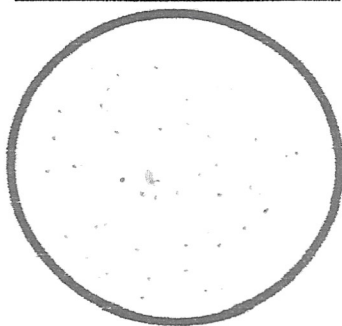
WSD

DATE=9/29/2022 TIME=430 UT SITE=OTSP C=II S=II SCOPE=22UC @240X



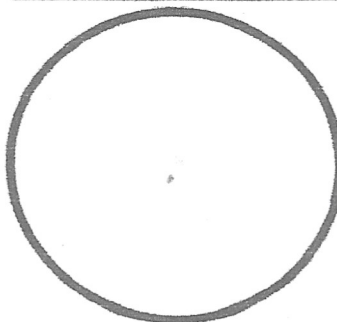
DATE= 9/29/2022 TIME=6:00 UT SITE= OTSP C= II S= II SCOPE=22UC @ 240X

6657



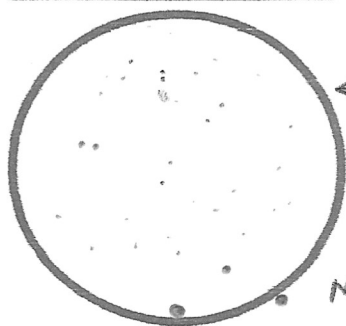
VS, F,
IN FS

6672



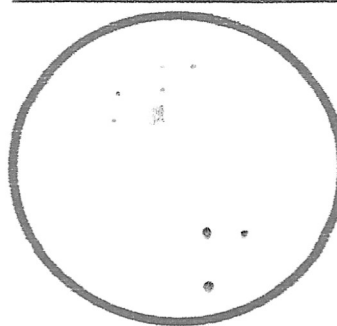
VF, VS
NEAR FS

6759



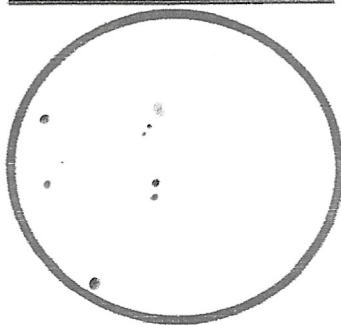
← NEAR
PBL, FAINT
OF 2 IN FIELD
NICE RS Δ

6764



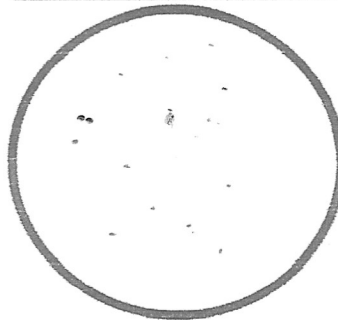
R, F

6798



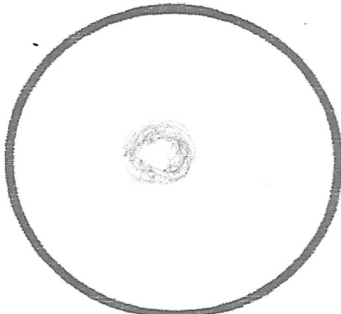
S, F
NEAR PBL

6801

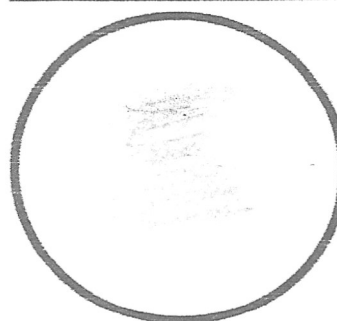


S, F

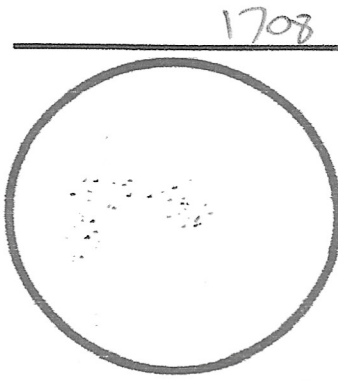
M57



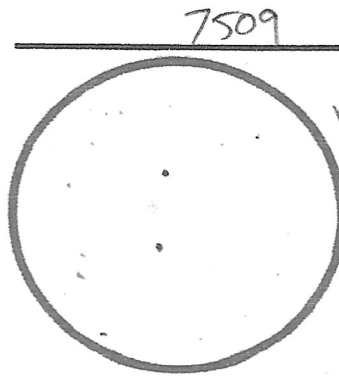
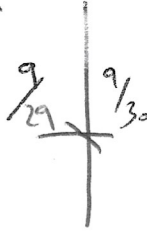
M27



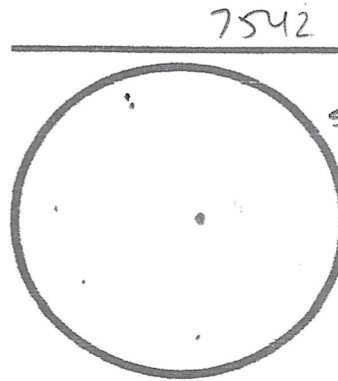
DATE= 9/30²⁹/2022 TIME=2:00UT SITE=OTSP C=III S=III SCOPE=22UC @240X



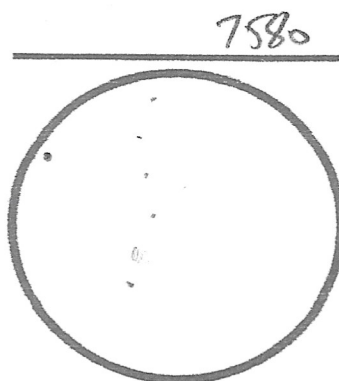
100X



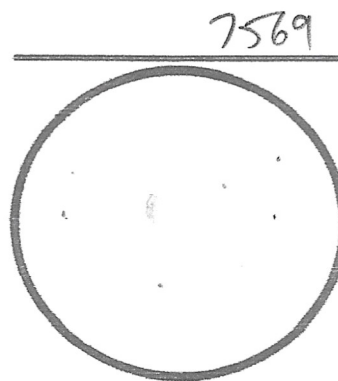
VF, S, R



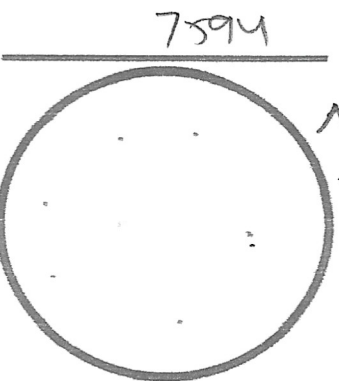
st. VF



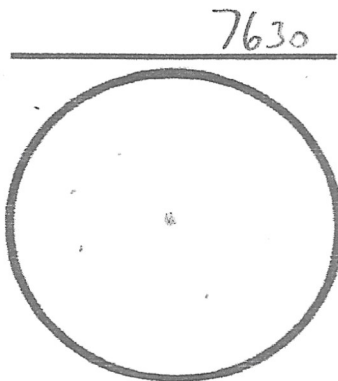
R, F



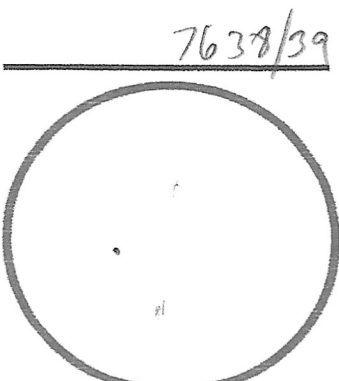
AV=2
L, DIM



AV=3
TIMY



AV=3



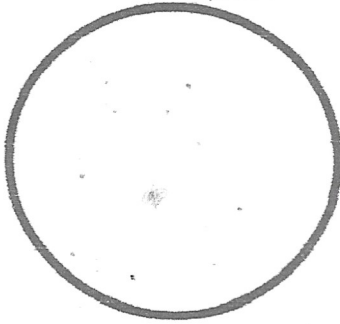
AV=3's
VVF
VS

THU FRI

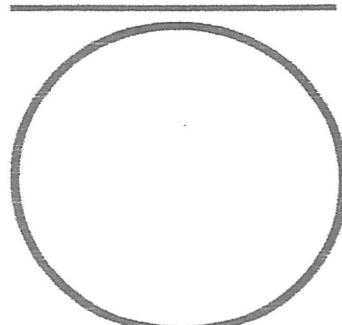
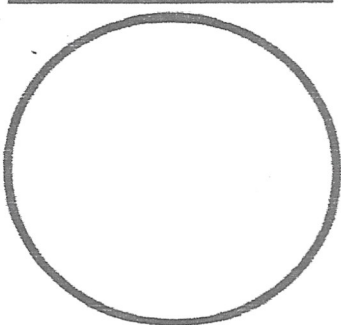
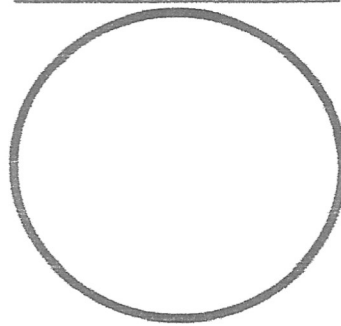
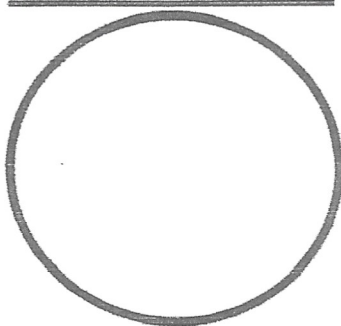
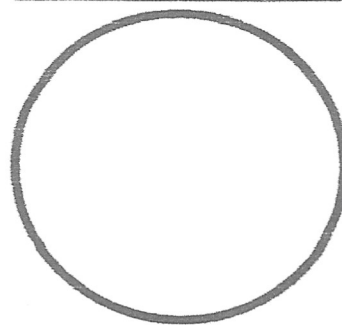
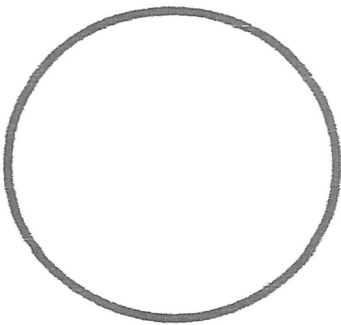
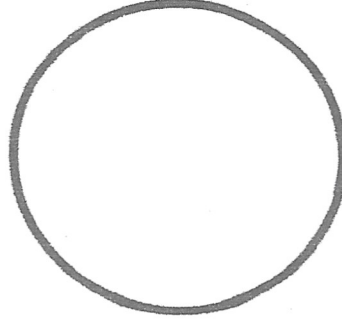


DATE= 9/30/2022 TIME= 2000 UT SITE= OOSP C= III S= II SCOPE= 22UC @24x

7643

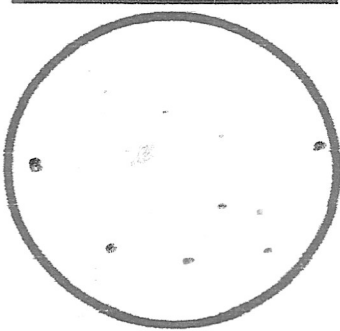


R, small
10 too faint,
96M

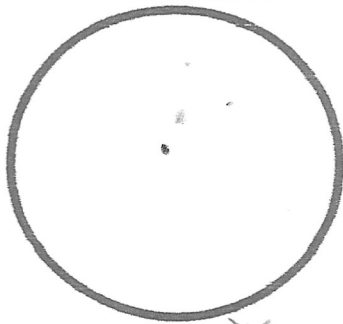


DATE=10/20/2022 TIME=1:30 UT SITE=ACT C=II S=II SCOPE=22UC @240X

69

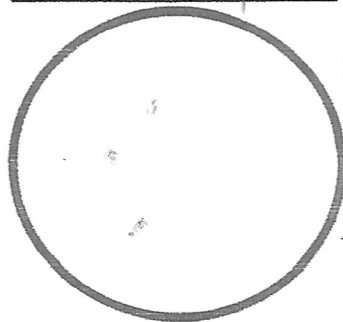


27



*

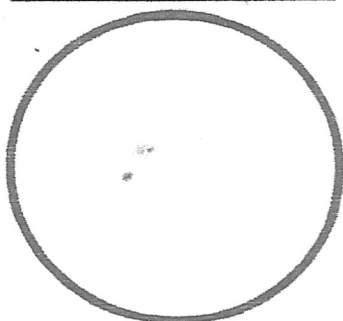
94/76



last 2?

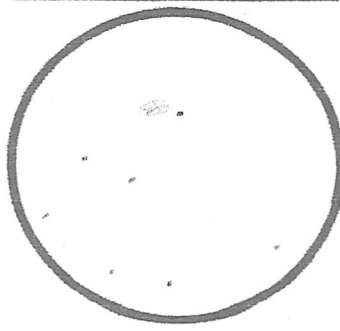
← thin
cm

149

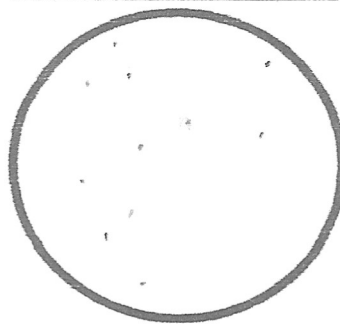


VF, S

43

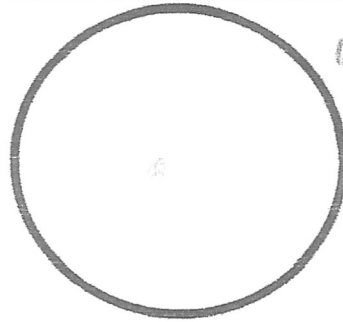


15

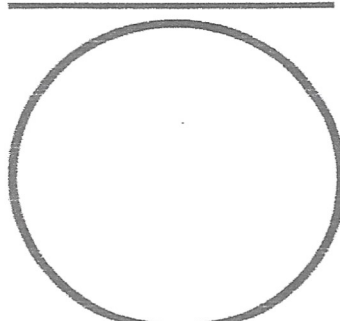


VF, VS
cm

140

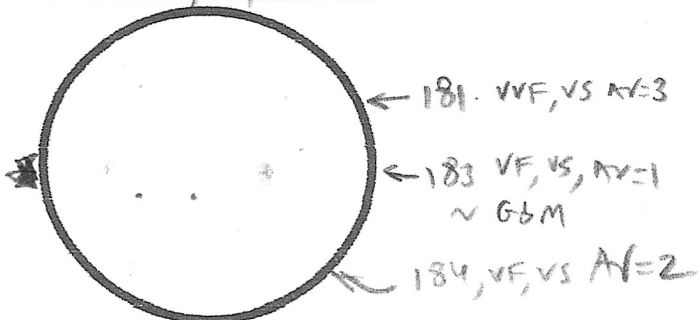


R, VVF, S

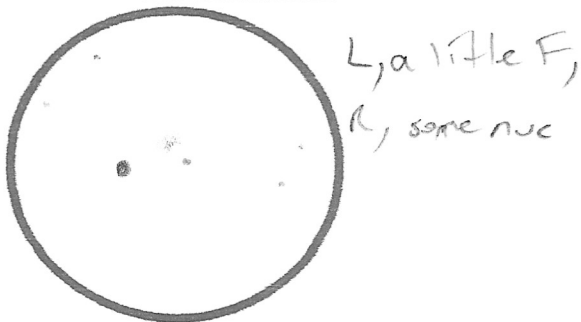


DATE=10/21/2022 TIME=11:00 OUT SITE=AG C=II S=II SCOPE=22UC @ 240x

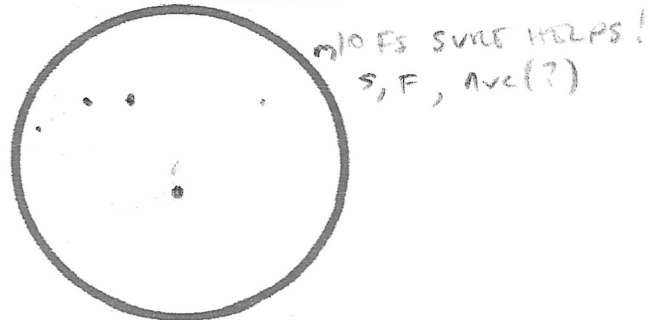
N 181/84/85



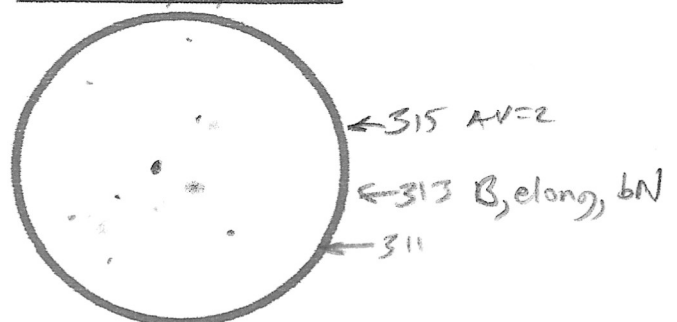
N 282



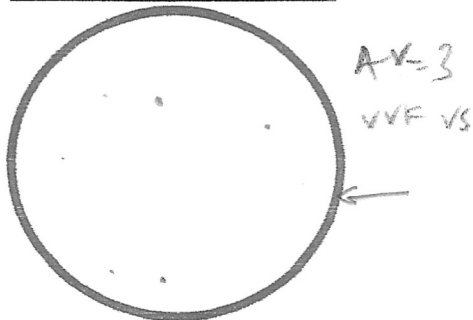
N 243



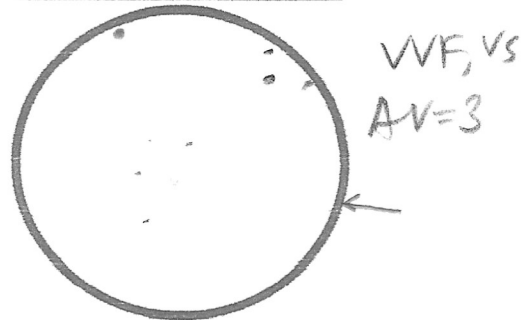
N 311/13/15



N 338



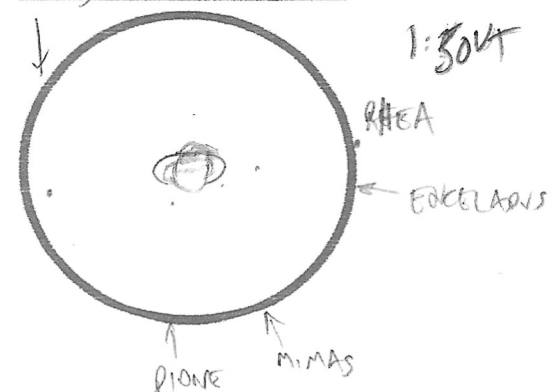
N 56



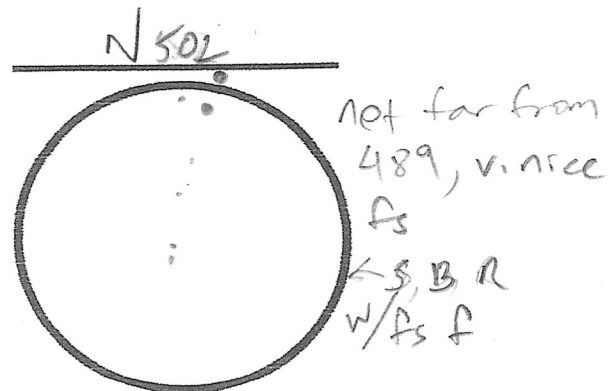
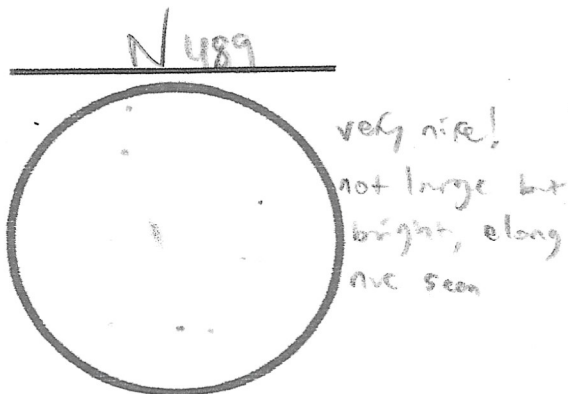
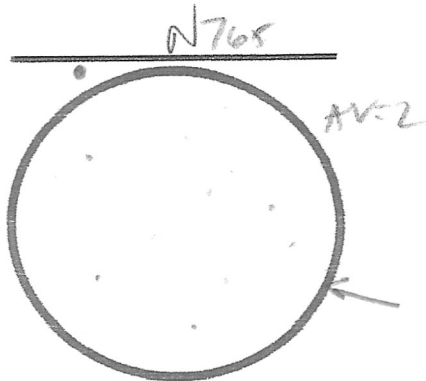
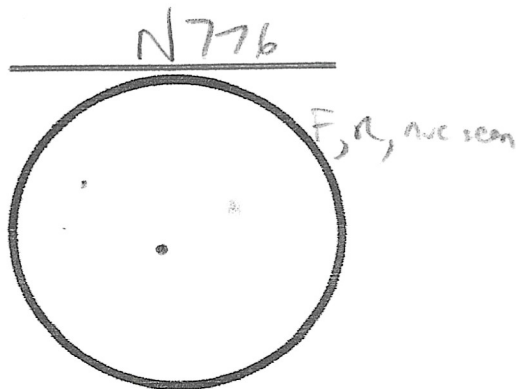
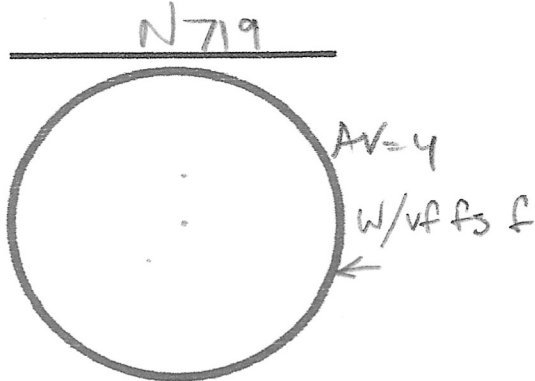
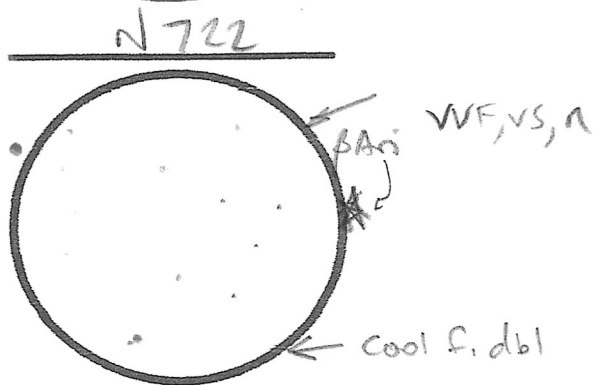
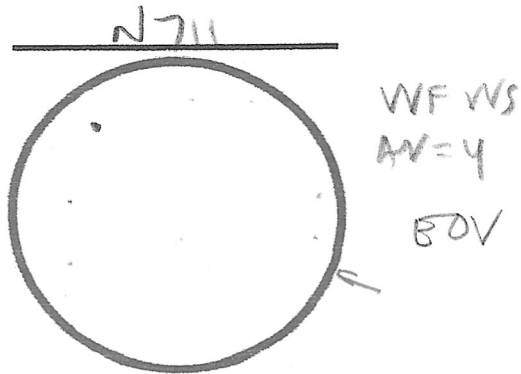
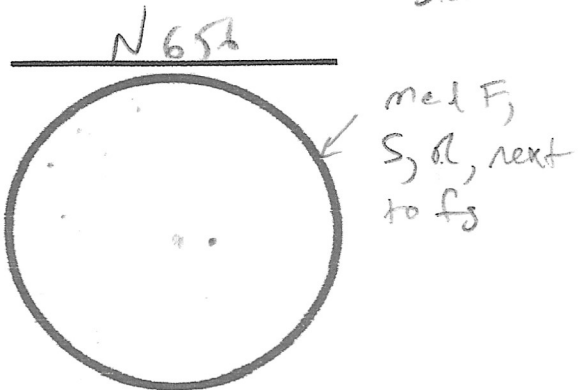
IAEPIUS TITAN t + 7
 MOONS



RETHERY t cont.

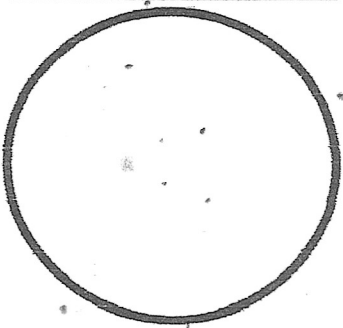


DATE=10/21/2022 TIME=^{2:10-}_{3:20} UT SITE= ACT C= II S= II SCOPE=22UC @240x



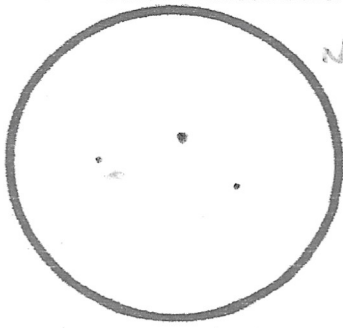
DATE=10/11/2022 TIME= 3:25 UT SITE= ACT C= II S= II SCOPE=22UC @240 X
4:05

N 976



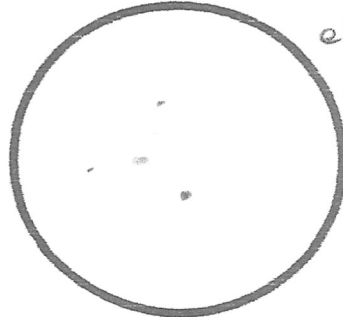
NICE, n,
not Fat all
some nvc,
no detail

N 992



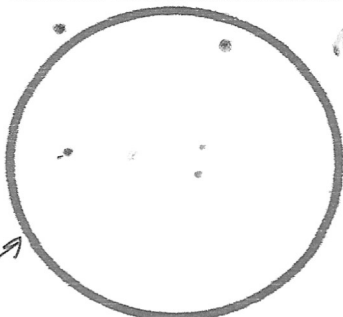
NICE, ovar,
not F, a bit S

N 658



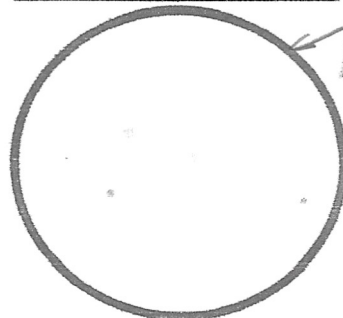
elong, md size
a little F

N 671



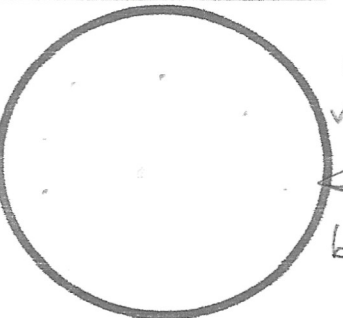
R, F, S
great FS
incl. f ds

N 675 & 677



AV=283
both
vS, v & vF

N 569



AV=3
vF vS, n
blank field

