



M210-213 + 4F ~ 403

# The American Association of Amateur Astronomers

## Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date 10/17/20	Time	N 6836
	Power 2400	Seeing II/A	
	Type Instrument 22" UC		
Object	Date	Time	N 6985 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7010
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7351
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7211 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6785 sell
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6821
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6965
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6429
	Power	Seeing	
	Type Instrument		
Object	Date 11	Time 3:45	N 6927
	Power	Seeing	
	Type Instrument		



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## Observing Log

219 L50 in 240x  
→

2331 +3.5

Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
	Date	Time	
Object	10/22/20	2:00	N 7679 AV=2
	Power 740	Seeing III	
	Type Instrument 22" VC		
Object	Date	Time	N 7682
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7687 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7696 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7704 / 5 / 6 AV=1, 3, 3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<del>N 7696</del> <del>AV=2</del>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7714 / 5 AV=1, 3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7716 / W / U 12709 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7714 / 5 AV=2, 2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7767
	Power	Seeing	
	Type Instrument		

INDEX	Period - Instrument		Notes
Object	Date	Time	N 7787 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 631 / 2 AV=1 = 3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 645 AV=2 TO GET FULL SIGHT
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 638 LITTLE SPOT AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 652 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 664 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 791 NOT THE FAVORITE
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 820 Nice! BM
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 810 prob MC only
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 766 dm
	Power	Seeing	
	Type Instrument		



# Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	AM, 1M N6700
	10/22/20		
	Power	Seeing	
	Type Instrument		22" UC
Object	Date	Time	N6713 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6740 AV=2 BF!
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6813 not too F, F send MOONSET A
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6685/6 SO HARD! AV=2,3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6813 vf rebl 3 stars 12,13,14m
	Power	Seeing	
	Type Instrument		
Object w/	Date	Time	N6766 O3 BUMPS IF OUT A LOT!
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6974 not too F, sev F*
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7080 sl. elong
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7116 3x1
	Power	Seeing	
	Type Instrument		

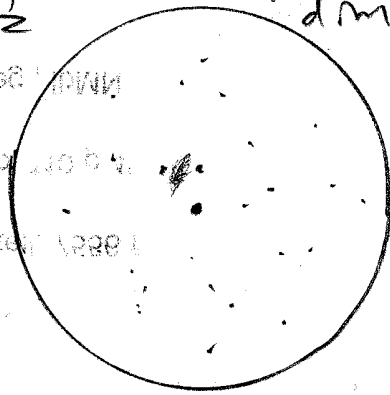
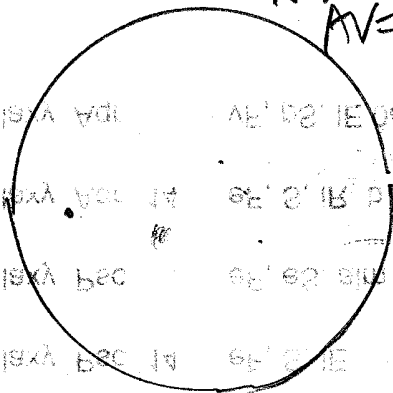
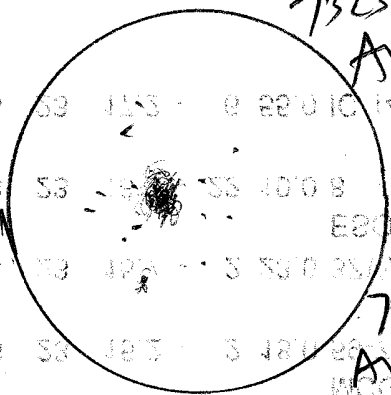


12/10/22/20

7323  
AV=2

N7405  
AV=4

N7442 dm



7324  
AV=3

N7413/4

N7437  
AV=3

N7523/5  
both  
eet

Boat  
AV=3

← 23  
AV=3  
← 25  
AV=1

N7535/6

N7540  
stellar  
T, F

N7551  
AV=2

AV=1

AV=4

N7572  
stellar

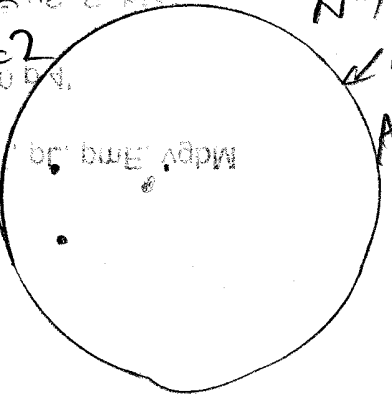
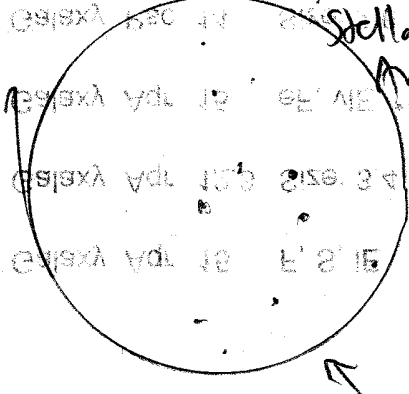
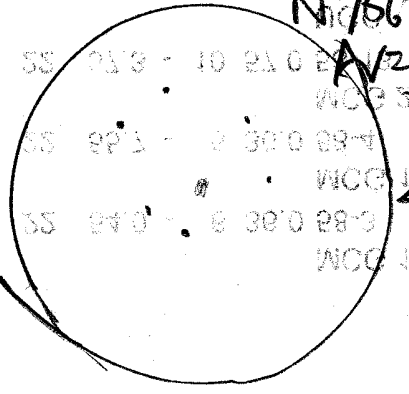
N7548

N7567  
AV=3

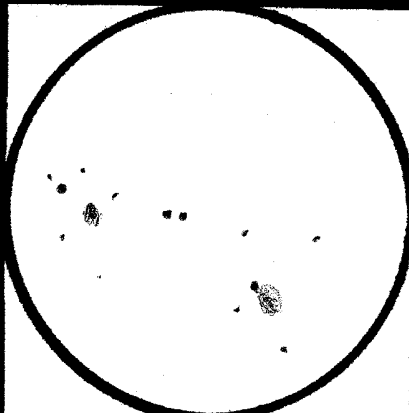
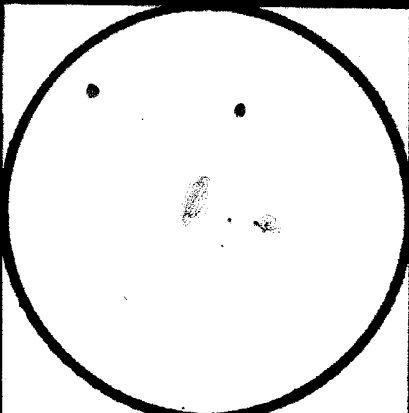
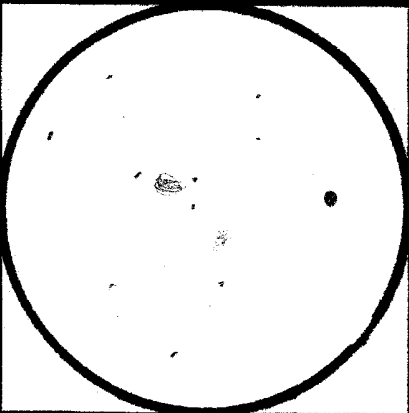
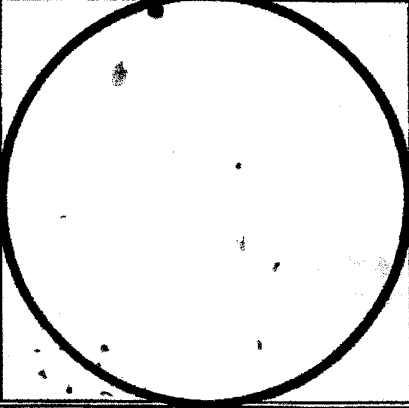
AV=2

← 16a

AV=2

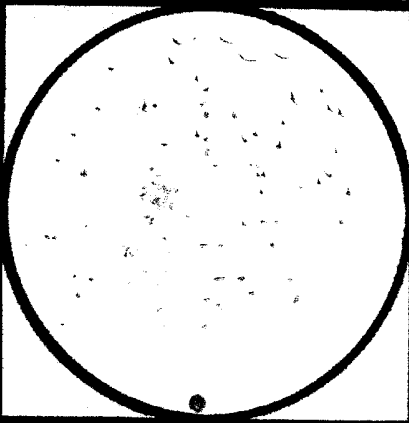
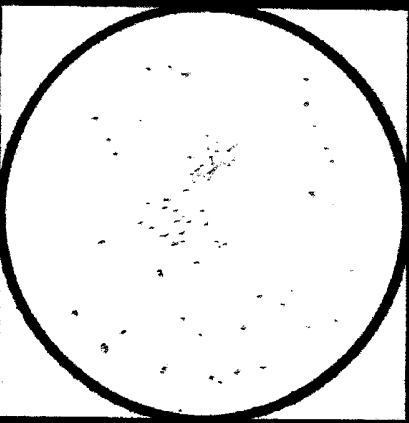
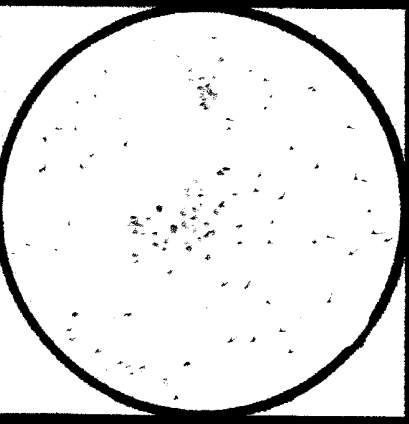
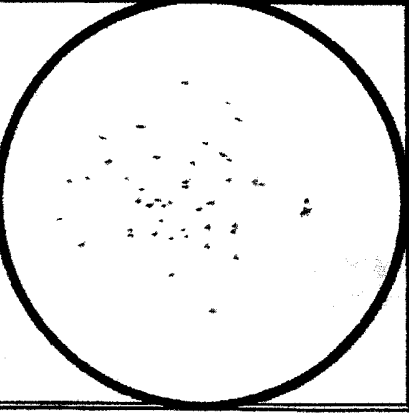


# HERSCHEL OBSERVATIONS

NGC 6586/91		SITE	SEEING	TRANS	
CONST		INSTR	EYEPIECE	POWER	
		COMMENTS	6586		
DATE 10/14/20					
TIME					
NGC 6926/9		SITE	SEEING	TRANS	
CONST		INSTR	EYEPIECE	POWER	
		COMMENTS	← 6929		
DATE "					
TIME					
NGC 7194		SITE	SEEING	TRANS	
CONST		INSTR	EYEPIECE	POWER	
		COMMENTS	AV=2		
			← 7195 AV=3		
DATE 10/22/20					
TIME					
NGC 7206/7		SITE	SEEING	TRANS	
CONST		INSTR	EYEPIECE	POWER	
		COMMENTS	← AV=3		
			← AV=4		
DATE "					
TIME					

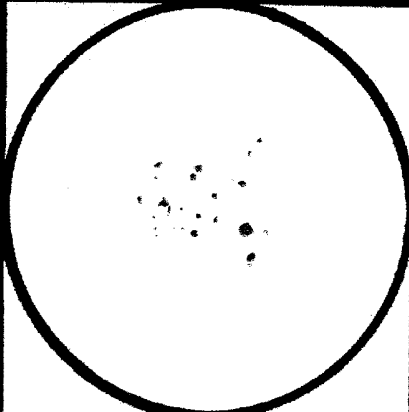
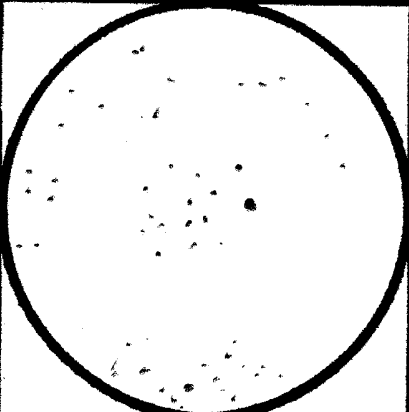
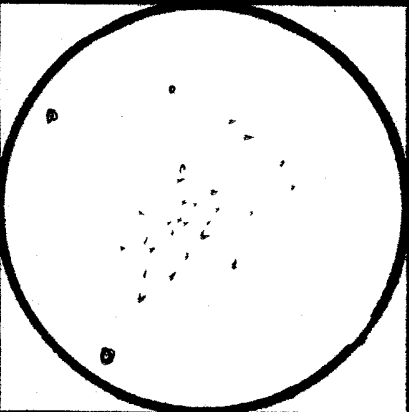
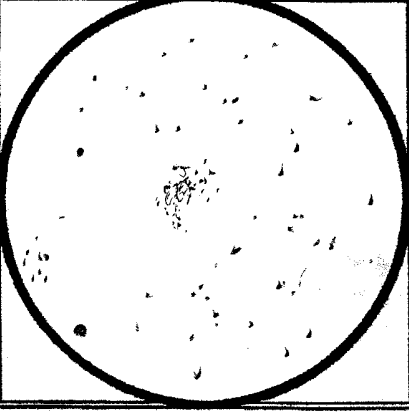
10/14/20  
/

# HERSCHEL OBSERVATIONS

NGC	7234		SITE	SEING	TRANS	
CONST			INSTR	EYEPiece	POWER	
				24	100	
DATE	10/22/20		COMMENTS			
TIME			R 235 clump of AW			
NGC	7261		SITE	SEING	TRANS	
CONST			INSTR	EYEPiece	POWER	
					100	
DATE			COMMENTS			
TIME						
NGC	7281		SITE	SEING	TRANS	
CONST			INSTR	EYEPiece	POWER	
DATE			COMMENTS			
TIME						
NGC	7352		SITE	SEING	TRANS	
CONST			INSTR	EYEPiece	POWER	
DATE			COMMENTS			
TIME			bunchy bands out			

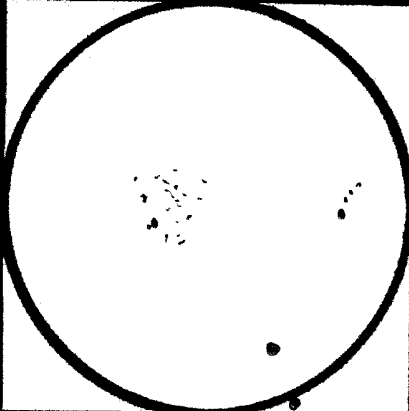
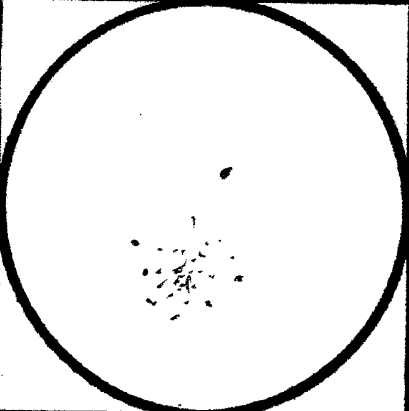
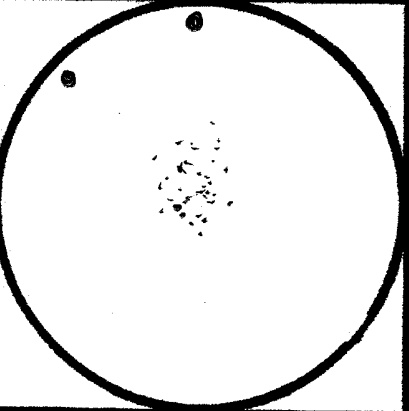
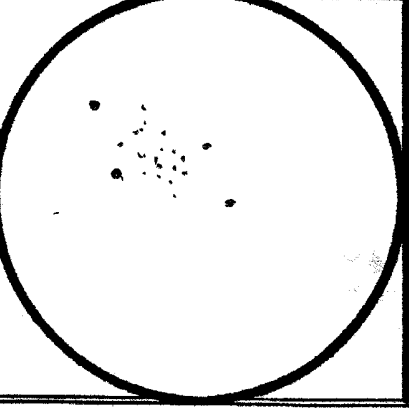


# HERSCHEL OBSERVATIONS

NGC	729		SITE	SEEING	TRANS	
CONST			INSTR	EYEPIECE	POWER	
				24		
DATE	10/22/20		COMMENTS			
TIME						
NGC	7795		SITE	SEEING	TRANS	
CONST			INSTR	EYEPIECE	POWER	
			COMMENTS			
DATE	11		Pool			
TIME						
NGC	116		SITE	SEEING	TRANS	
CONST			INSTR	EYEPIECE	POWER	
			COMMENTS			
DATE	11		A cluster?			
TIME						
NGC	103		SITE	SEEING	TRANS	
CONST			INSTR	EYEPIECE	POWER	
			COMMENTS			
DATE	11		A cluster?			
TIME						



# HERSCHEL OBSERVATIONS

NGC	743		SITE	SEEING	TRANS
CONST			INSTR	EYEPIECE	POWER
			COMMENTS		
			W/AB1		
DATE	10/22/20				
TIME					
NGC	956		SITE	SEEING	TRANS
CONST			INSTR	EYEPIECE	POWER
			COMMENTS		
			OK		
DATE	11				
TIME					
NGC	909		SITE	SEEING	TRANS
CONST			INSTR	EYEPIECE	POWER
			COMMENTS		
			Nice!		
DATE	17				
TIME					
NGC	886		SITE	SEEING	TRANS
CONST			INSTR	EYEPIECE	POWER
			COMMENTS		
DATE	11				
TIME					

# HERSCHEL OBSERVATIONS

NGC	CONST	SITE	SERING	TRANS
6975-9		ACT	II	II
		INSTR	EYEPiece	POWER
		22UC	10	240
		COMMENTS		
		4 IN Arrow		
		T, F		
DATE	8/23/20			
TIME	5:15			
NGC	7	SITE	SERING III	TRANS III
CONST		INSTR	EYEPiece	POWER
			10E	26
		COMMENTS		
DATE	10/8/20			
TIME	2:18			
NGC	87 (M33)	SITE	SERING III	TRANS III
CONST		INSTR	EYEPiece	POWER
			9mm EF	265X
		COMMENTS		
		(w/ occ bar)		
DATE				
TIME	3:45			
		← DEMOS		
NGC		SITE	SERING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				



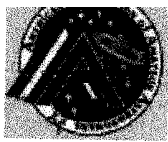
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## Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	N6674 4'x2' wow! DM, USB TV
	11/12/20	030	
	Power	Seeing	
	240	II Ac	
	Type Instrument		
	22" UC		
Object	Date	Time	N6697 vs v f
		040	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6710
		050	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6632
		105	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6671
		120	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	6959/61/67
		130	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6901 AV=2
		140	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6954
		150	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6955/7 AV=3
		200	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6917
		215	
	Power	Seeing	
	Type Instrument		

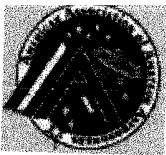


# Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	N7120 VSVF
	11/2/20	230	
	Power	Seeing	
	240	IP/IC	
	Type Instrument		
	22" UC		
Object	Date	Time	N7121
		240	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7131 ns, vdm
		250	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7170
		300	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7239 VSVF
		305	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7077
		310	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7269 eefes
		315	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7298/300
		320	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7308
		325	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7255
		330	
	Power	Seeing	
	Type Instrument		



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## Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	N6547
	11/16/20	0:50	
	Power	Seeing	
	240	III	
	Type Instrument		
	22" UC		
Object	Date	Time	N6593
	Power	Seeing	
			VVS VF
	Type Instrument		
Object	Date	Time	N6602
	Power	Seeing	
			ns F, nice
	Type Instrument		
Object	Date	Time	N6616
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6619
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6623
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6628
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6297
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6575
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6585
	Power	Seeing	
	Type Instrument		



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N7006  
Joy!

# Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	N6606 wf AV=3
	Power	Seeing	
	Type Instrument		
	22" UC		
Object	Date	Time	N6612 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6640 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7301 AV=2 N E long
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7425 VF AV=1
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7646
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N6921 T80 m R R L A
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7189
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7215 T8R
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7416 / 06 L, F, no det
	Power	Seeing	
	Type Instrument		

← 7406 AV=2





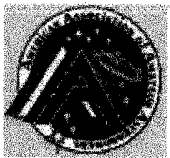
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Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object N →  ↓ E	Date	Time	ε 90 (psc) W 27 - nice!
	Power	Seeing	
	Type Instrument		
			22" UC
Object	Date	Time	NG 518 + VF, 2 stars AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7185 / 88 ! OBSCURE 7185 near E, L, 3x1 7188 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7090 AV=2 SM, R
	Power	Seeing	
	Type Instrument		
Object	Date	Time	NG 624 VF, AV=3 near 2 br *
	Power	Seeing	
	Type Instrument		
Object	Date	Time	NG 6745 MCE! GIVE TIME
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7813 AV=3 s1 E
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7821
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7222 Not too F
	Power	Seeing	
	Type Instrument		
Object	Date	Time	NG 6996
	Power	Seeing	
	Type Instrument		
			20 BINOS



# Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	N 7127
	11/17/20		
	Power	Seeing	
	20		
	Type Instrument		
	Binos <del>TEC</del>		
Object	Date	Time	N 7226
	Power	Seeing	
	20		γ 9-b
	Type Instrument		8' cet
Object	Date	Time	N 7396
	Power	Seeing	
	20		
	Type Instrument		
Object	Date	Time	N 6996 m 22"
	Power	Seeing	
			RIGHT NEXT TO B
	Type Instrument		
Object	Date	Time	N 7422
	Power	Seeing	
			AV=2
	Type Instrument		
Object	Date	Time	N 7427/30
	Power	Seeing	
			AV=2 NO DETAIL (JIFAS FAS)
	Type Instrument		AV=3 " "
Object	Date	Time	N 7451
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7452
	Power	Seeing	
			AV=4
	Type Instrument		
Object	Date	Time	N 7455
	Power	Seeing	
			AV=3
	Type Instrument		
Object	Date	Time	N 7499
	Power	Seeing	
			AV=2
	Type Instrument		

Observer: B YOUNG Location: ACT Page:       

INDEX	Period - Instrument		Notes
Object	Date	Time	N7519 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7597/8 AV=2 AV=4
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7602 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7620 NICE!
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7628 AV=21
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7660
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7673
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7677
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7688
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7698 R.P. CREST RVS NOT SO CLOSE
	Power	Seeing	
	Type Instrument		



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11/18 T/S-SX pass NO

M42 11/17  
M2

# Observing Log

Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date <u>11/17/20</u>	Time	<u>N 1033</u>
	Power <u>240</u>	Seeing	
	Type Instrument <u>22" UC</u>		
Object	Date	Time	<u>IC 357</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>DBL</u> <u>X 1st source J</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>M42 M49</u>
	Power	Seeing	
	Type Instrument		
Object	Date <u>11/17/20</u>	Time	<u>M 1149</u>
	Power	Seeing	
	Type Instrument		
Object	Date <u>11/18/20</u>	Time <u>0:40</u>	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		



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Observer: B YOUNG Location: ACT Page:     

INDEX	Period - Instrument		Notes
Object	Date	Time	N 6703
	12/9/20	0130	
	Power	Seeing	
	240	II/II	
	Type Instrument		
	22" UC		
Object	Date	Time	N 6702 much 1
		0145	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6701  BLINKING PN ON WAY
		100	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6711 AV=2
		110	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6732
		120	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 6750
		130	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7365
		140	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7381 AV=3
		150	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7132
		200	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7112/3
		210	
	Power	Seeing	
	Type Instrument		



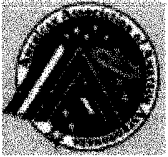
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# Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	7546/44
	12/9/20	220	
	Power	Seeing	
	240	II/II	
	Type Instrument		
	22" UC		
Object	Date	Time	7554/52
		2130	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	7596 AV=2 PA=0
		2:35	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	7663 AV=2
		2:45	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7692 ← 2157 vs
		2:55	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7694/5
		300	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7699
		308	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7710
		310	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7524 vs vf
		315	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7667 AV=3
		320	
	Power	Seeing	
	Type Instrument		



# Observing Log

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Observer: B YOUNG Location: ACT Page:     

INDEX	Period - Instrument		Notes
Object	Date	Time	N7190 M=2
	12/9/20	325	
	Power	Seeing	
	240	I/I	
	Type Instrument		
	22" UC		
Object	Date	Time	N7159
		380	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7428 size!
		335	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7434
		340	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7441
		345	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7491
		350	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7517
		355	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7530/2/4 M=3
		400	
	Power	Seeing	
	Type Instrument		
	← 34 M=2		
Object	Date	Time	N7533
		405	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7821/4 M=1 =3
		410	
	Power	Seeing	
	Type Instrument		







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LMC & Spikes  
BASIC IN B & ACK  
WINDUP?

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## Observing Log

245  
M31 1K  
& M33

Observer: B YOUNG Location: ACT Page:       

INDEX	Period - Instrument		Notes
Object	Date	Time	N7460
	12/10/20	230	
	Power	Seeing	
	240	F/X-	
	Type Instrument		
	22" UC		
Object	Date	Time	N7480 + A?
	Power	Seeing	
			AV=1 AV=5
	Type Instrument		
			N7478 seen later AV=4
Object	Date	Time	N7483
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7488
	Power	Seeing	
			WFWS
	Type Instrument		
			so hard! AV=2
Object	Date	Time	N7489
	Power	Seeing	
			AV=4
	Type Instrument		
Object	Date	Time	N7241
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7272
	Power	Seeing	
			WFWS
	Type Instrument		
			AV=3
Object	Date	Time	N7283
	Power	Seeing	
			AV=2
	Type Instrument		
Object	Date	Time	N7290
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7291
		335	
	Power	Seeing	
	Type Instrument		

↑ FOCUS OUT



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# Observing Log

Observer: MB

*JUSTS  
CARRIS &  
3x119 AT*  
**B YOUNG**

Location: ACT

Page: \_\_\_\_\_

INDEX ✓	Period - Instrument		Notes
Object	Date	Time	N7409 7415 AV=2 AV=4
	12/10/20		
	Power	Seeing	
	Type Instrument		
	22" UC		
Object	Date	Time	N7411 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7433 COOL
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7435 AV=2.5? ← 7436!
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7431 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N647 N649
	Power	Seeing	
	Type Instrument		
	←		
Object	Date	Time	N707
	Power	Seeing	
	Type Instrument		
Object	Date	Time	829 + 830
	Power	Seeing	
	Type Instrument		
	← 829		
Object	Date	Time	520 or 829? or 842?
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1011
	Power	Seeing	
	Type Instrument		

839



12/18/20  
09

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## Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object • •	Date 12/18/20	Time 11:10	N7441
	Power 100	Seeing AR -	
	Type Instrument 22" UC		
Object •	Date 11	Time 11:20	N7758 AV=3
	Power 100	Seeing II -	
	Type Instrument 11		
Object •	Date ↓	Time 1:20	N7719 AV=3 TIM
	Power ↓	Seeing II -	
	Type Instrument ↓		
Object •	Date ↓	Time 1:40	N7573
	Power ↓	Seeing II -	
	Type Instrument ↓		
Object •	Date ↓	Time 1:45	N7498 AV=3
	Power ↓	Seeing ↓	
	Type Instrument ↓		
Object •	Date ↓	Time 1:50	N7494 AV=2
	Power ↓	Seeing ↓	
	Type Instrument ↓		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		





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# Observing Log

SM-2 L → ~~1~~ -1

Observer: B YOUNG Location: ACT Page:     

0.10  
K 2 K  
AV=3

INDEX	Period - Instrument		Notes
Object	Date	Time	N107
	1/13/21	0:45	
	Power	Seeing	
	240	II-	
	Type Instrument		
	22" UC		
Object	Date	Time	N54
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N116
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N7808 (MCG = 2-1-13)
	Power	Seeing	
			AV=3
	Type Instrument		
Object	Date	Time	N7809
	Power	Seeing	
			AV=2
	Type Instrument		
Object	Date	Time	N7811
	Power	Seeing	
			AV=1 stellar
	Type Instrument		
Object	Date	Time	N113
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N120-22-23-24
	Power	Seeing	
			AV=1/3/4/3
	Type Instrument		
Object	Date	Time	cont
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N9802
	1/13/21		
	Power	Seeing	
	Type Instrument		



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## Observing Log

6h00  
2150

Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	7818 w/7816
	1/13/21		
	Power	Seeing	
	Type Instrument		22" UC
Object	Date	Time	N 7827
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7825 AV=4
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7824
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7834
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7834
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 7837/8 AV=3, 4
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N145
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N309
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N277
	1/13/21	2:45	
	Power	Seeing	
	Type Instrument		



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## Observing Log

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Observer: B YOUNG Location: ACT Page:       

INDEX	Period - Instrument		Notes
Object 	Date	Time	N2280
	3/3/21		
	Power	Seeing	
	Type Instrument		
	22" UC		
Object 	Date	Time	N2260
	Power	Seeing	
	Type Instrument		
			3 N's in center
Object 	Date	Time	N2301
	Power	Seeing	
	Type Instrument		
Object 	Date	Time	N2313
	Power	Seeing	
	Type Instrument		
			N=2
Object 	Date	Time	N2345
	Power	Seeing	
	Type Instrument		
			2" PRANS" & 2 MAIN OBL'S, 2 FS POINT TO RT
Object 	Date	Time	N1744
	Power	Seeing	
	Type Instrument		
			!!
Object 	Date	Time	N1784
	Power	Seeing	
	Type Instrument		
Object 	Date	Time	N1614
	Power	Seeing	
	Type Instrument		
			AV=3
Object 	Date	Time	N1618 & 1622 ← *
	Power	Seeing	
	Type Instrument		
			fs on W edge N1618 1622 AV=2
Object 	Date	Time	1627/28 BLAH AV=2
	Power	Seeing	
	Type Instrument		
			WOW THEFS!



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## Observing Log

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Observer: B YOUNG

Location: ACT

Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date <u>3/3/21</u>	Time	N1667
	Power <u>240</u>	Seeing	
	Type Instrument <u>22" UC</u>		
Object	Date	Time	N1666 / 2 <sup>nd</sup> in Arrow x 1667 is IC 2101A x 1666 (N=3)
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1402 FERRELL N=3
	Power <u>100</u>	Seeing	
	Type Instrument		
Object	Date	Time	N2383/4
	Power <u>100</u>	Seeing	
	Type Instrument		
Object	Date	Time	N2403
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N2533
	Power	Seeing	
	Type Instrument		
Object	Date	Time	S, ridge dom N2458 don't miss it!
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N2064/7 w/m 78
	Power <u>240</u>	Seeing	
	Type Instrument		
Object	Date <u>3/3/21</u>	Time	E1270 so sl b-w (br sec makes you imagine yellow) + sl b PERFECT
	Power <u>100</u>	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		





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Observer: B YOUNG Location: ACT Page:       

INDEX	Period - Instrument		Notes
Object	Date	Time	N1518 along star prior to the B line?
	Power	Seeing	
	Type Instrument		
			22" UC
Object	Date	Time	N1518 WOW
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1521 Also WOW
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1614/15 AV=3,2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1621 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1626 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1640 2mm later 11m S 25950 11mR N2022
	Power	Seeing	
	Type Instrument		
			x
Object	Date	Time	N2364
	Power	Seeing	
	Type Instrument		
			100
Object	Date	Time	N2368 BEAM, 9m
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N2368 BEAM, 9m
	Power	Seeing	
	Type Instrument		



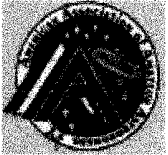
# HERSCHEL OBSERVATIONS

1607  
1606

← 1604  
1601

NGC 34/21		SITE AG	SEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE		← 1603		
TIME		1606 KV=3 1607 KV=3		
NGC		SITE	SEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				
NGC		SITE	SEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				
NGC		SITE	SEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				
NGC		SITE	SEING	TRANS
CONST		INSTR	EYEPiece	POWER
		COMMENTS		
DATE				
TIME				

1600



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## Observing Log

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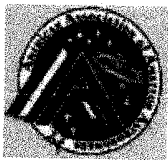
Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date <u>3/21</u>	Time	<u>N1650</u> <u>AV=2</u>
	Power <u>240</u>	Seeing	
	Type Instrument <u>22" UC</u>		
Object	Date	Time	<u>N1686</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1692</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1701 (CAE?)</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1716</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1710</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1738/9</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1811/12</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1721/23/25/28</u> <u>WOW</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N1780</u> <u>AV=2</u>
	Power	Seeing	
	Type Instrument		

Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	N2179
	3/7/21		
	Power	Seeing	
	Type Instrument		
	22" UC		
Object	Date	Time	N2106
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N231A-3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1632 R
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1666 (REPEAT) AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1720/26 AV=3 AV=1
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1730 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1821 +N1832
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1843 AV=2
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1889 AV=3
	Power	Seeing	
	Type Instrument		

INDEX	Period - Instrument		Notes
Object	Date	Time	N1654 AV=2
	Power	Seeing	
	Type Instrument		
	22" UC		
Object	Date	Time	N1661 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1683 AV=3
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N1752
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N2384 <del>NO READ</del>
	Power	Seeing	
	Type Instrument		
	100		
Object	Date	Time	N2409 COOL! B, S
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N2428
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N2413
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N2211/2
	Power	Seeing	
	Type Instrument		
	240		
Object	Date	Time	N2183 SI. E
	Power	Seeing	
	Type Instrument		



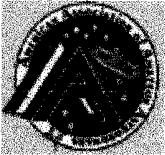
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## Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object 	Date 3/7/21	Time	N1691 tmyjF
	Power	Seeing	
	Type Instrument 22" UC		
Object 	Date	Time	N2587
	Power 100	Seeing	
	Type Instrument		
Object 	Date	Time	N2143
	Power	Seeing	
	Type Instrument		
Object 	Date	Time	N1802
	Power	Seeing	
	Type Instrument		
Object 	Date	Time	N2026
	Power	Seeing	
	Type Instrument		
Object 	Date	Time	N2180
	Power	Seeing	
	Type Instrument		
Object 	Date	Time	N2202
	Power	Seeing	
	Type Instrument		
Object 	Date	Time	N2270
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	
	Power	Seeing	
	Type Instrument		



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# Observing Log

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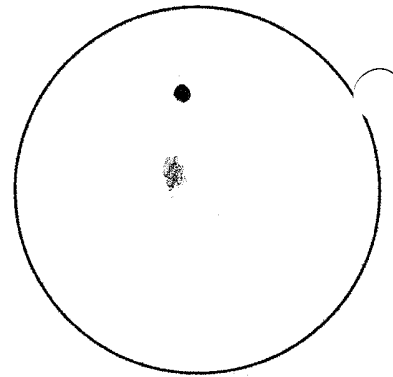
Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date <u>4/2/21</u>	Time <u>145</u>	<u>N 2358</u> <u>VP, F CL</u>
	Power <u>100</u>	Seeing <u>II/III</u>	
	Type Instrument <u>22" UC</u>		
Object	Date <u>"</u>	Time <u>155</u>	<u>N 1741</u> <u>odd shape</u> <u>v2x1 elong but curvy</u>
	Power <u>240</u>	Seeing	
	Type Instrument		
Object	Date	Time <u>205</u>	<u>N 2219</u> <u>MW patch</u>
	Power <u>240</u>	Seeing	
	Type Instrument		
Object	Date	Time <u>210</u>	<u>N 2577</u> <u>↳ VF force on?</u>
	Power <u>"</u>	Seeing	
	Type Instrument		
Object	Date	Time <u>220</u>	<u>N 2884</u> <u>Oval</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time <u>230</u>	<u>N 2952</u> <u>AV=1 only b/c of 10m S</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time <u>240</u>	<u>N 2662</u> <u>VSVR</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time <u>250</u>	<u>N 2847 / 8</u>  <u>← AV=3</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time <u>255</u>	<u>N 2226</u> <u>AV=2</u>
	Power	Seeing	
	Type Instrument		
Object	Date <u>4/2/21</u>	Time <u>305</u>	<u>N 2377</u> <u>try Δ of 12mFS to east</u>
	Power	Seeing	
	Type Instrument		

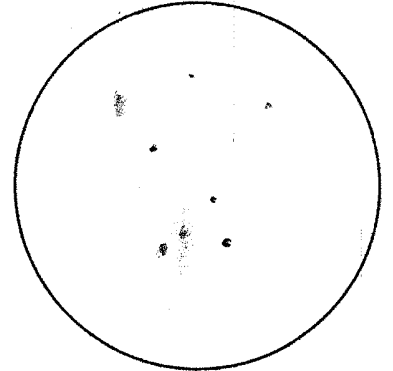
APR 10 2021



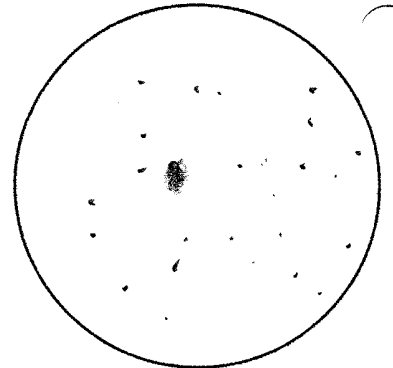
Date: 4/2/21	Object: N 2665	Mag: 240x
Time: 315 UT	Type:	Size:
Site/Session: ACT	Constellation:	PA:
Telescope: 22 UC	Filter:	
Seeing/Transp: II/I	Eyepieces: 10 E = 240x	
Comments:		



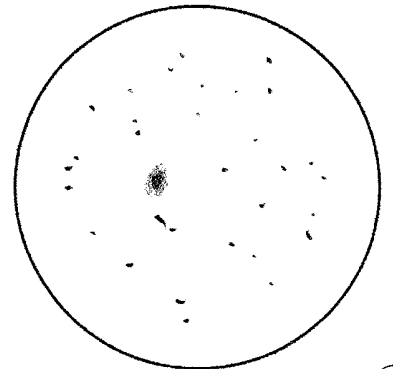
Date: 11	Object: N 2754/7/8	Mag: 240x
Time: 325	Type:	Size:
Site/Session:	Constellation:	PA:
Telescope:	Filter:	
Seeing/Transp:	Eyepieces:	
Comments:		



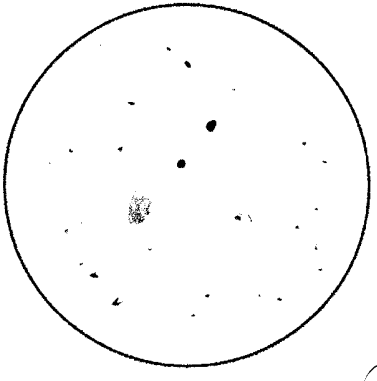
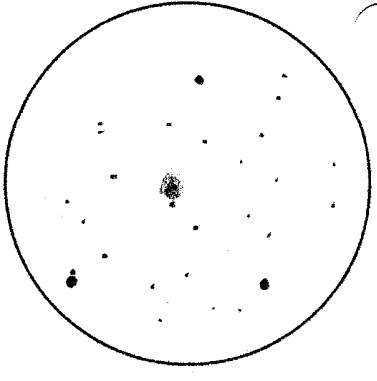
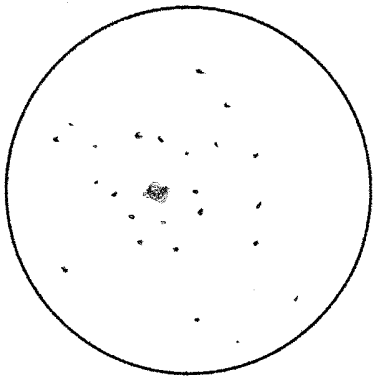
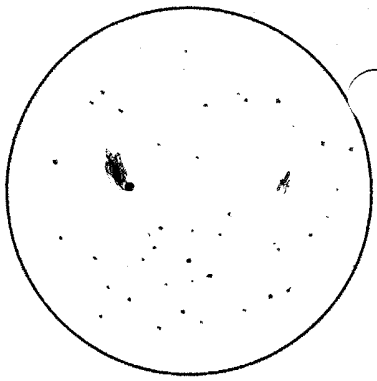
Date: 11	Object: 2865	Mag:
Time: 340	Type:	Size:
Site/Session:	Constellation:	PA:
Telescope:	Filter:	
Seeing/Transp:	Eyepieces:	
Comments:		

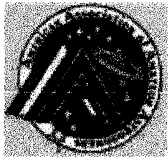


Date: 11	Object: 2888	Mag:
Time: 350	Type:	Size:
Site/Session:	Constellation:	PA:
Telescope:	Filter:	
Seeing/Transp:	Eyepieces:	
Comments:		



Date: 4/2/21	Object: 3056	Mag: 240X
Time: 9:05 AM	Type:	Size:
Site/Session: ACT	Constellation:	PA:
Telescope: 22"100	Filter:	
Seeing/Transp: IV/H	Eyepieces: 10E	
Comments:		
Date: "	Object: N3089	Mag:
Time: 4:05	Type:	Size:
Site/Session:	Constellation:	PA:
Telescope:	Filter:	
Seeing/Transp:	Eyepieces:	
Comments:		
Date: "	Object: N2924	Mag:
Time: 4:15	Type:	Size:
Site/Session:	Constellation:	PA:
Telescope:	Filter:	
Seeing/Transp:	Eyepieces:	
Comments:		
Date: "	Object: N2989	Mag:
Time: 9:20	Type:	Size:
Site/Session:	Constellation:	PA:
Telescope:	Filter:	
Seeing/Transp:	Eyepieces:	
Comments:		





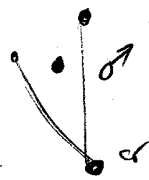
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## Observing Log

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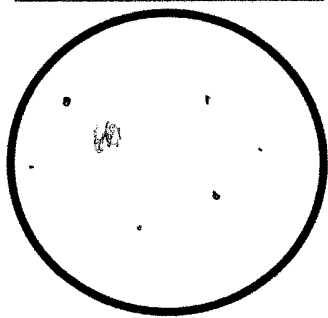
Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object	Date	Time	N 2282 AV=3
	4/2/21	425	
	Power	Seeing	
	Type Instrument		
	22" UC		
Object	Date	Time	N 2612 COOL!
	"	430	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3113
		440	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3125
		450	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3137 AV=2
		500	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3175
		505	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3140/41
		510	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3124
		515	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3127/8
		525	
	Power	Seeing	
	Type Instrument		
Object	Date	Time	N 3085 not done
	4/2/21	530	
	Power	Seeing	
	Type Instrument		



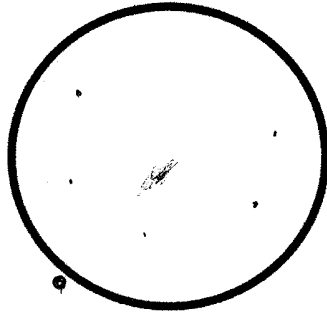
DATE=4/9/2021 TIME=1:55UT SITE=ACT C=II S=II SCOPE=22UC @240X

N3178



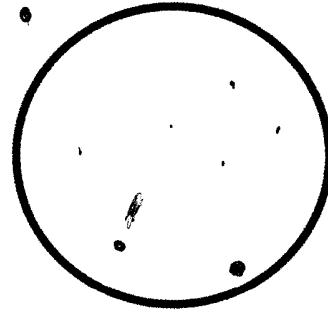
PF, > 6m middle

N3200



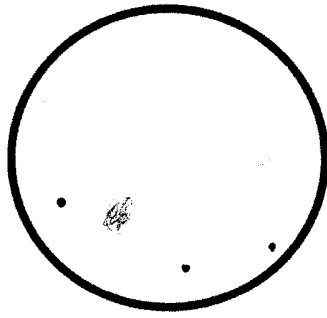
PF, elong

N3290



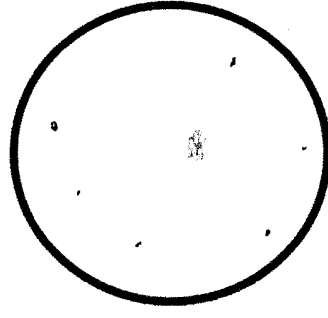
sl elong 6°  
PB

N3409 + ?



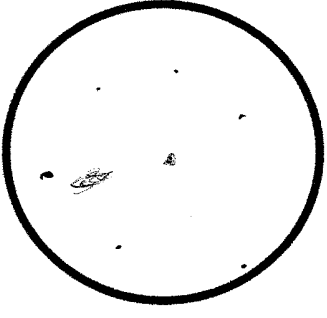
not S, not d

N3402



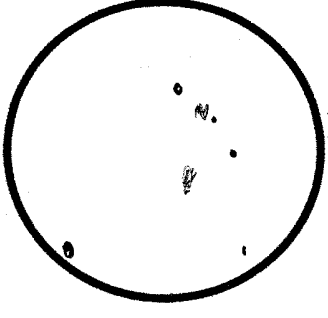
AV=2

N3421/2



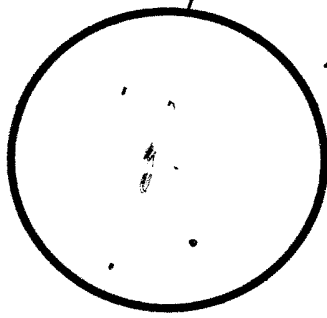
to me, 3421 almost stellar  
3422 AV=3 elong blob

N3360/61



3360 s, F  
3361 sl elong

N3634/35

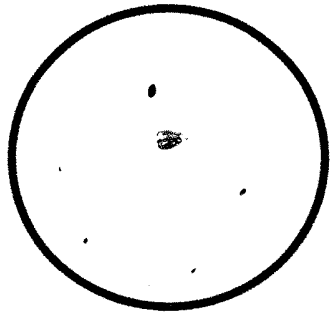


2:25 UT  
2 sep 2 F, 1 low  
AV=4

• β Leo  
 ↓ 225<sup>uv</sup>  
 + 3<sup>ix</sup>

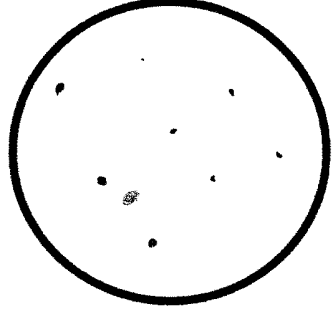
DATE=4/19/2021 TIME=2300 SITE=ACT C=II S=III SCOPE=22UC @240X

N 3203



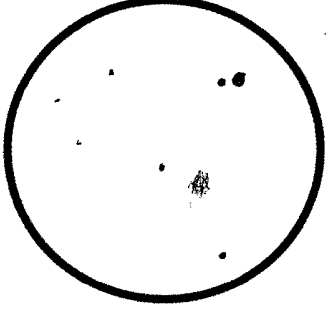
PF

N 3502



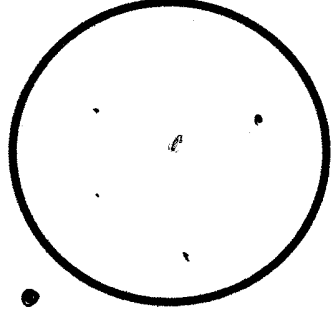
vFvS

N 3481



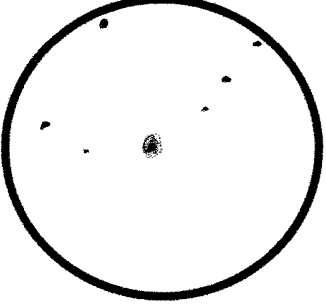
Does look like  
 F unresolved  
 cluster. 9m  
 is a wide dbl

N 3578



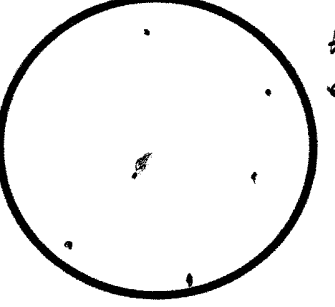
AV=3  
 vFvS

N 3375



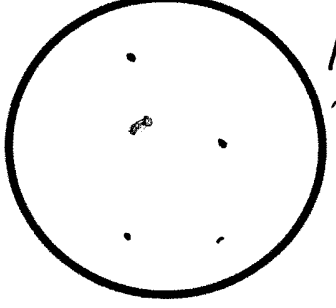
F, bM  
 not bad

N 3321



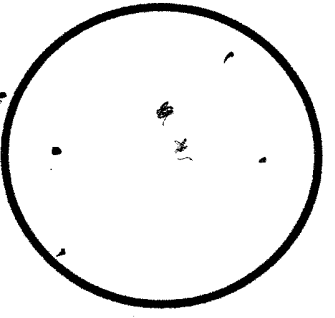
\* on nw end  
 el a bM, F

N 3280 (A, B or C?)



AV=4  
 2 spots

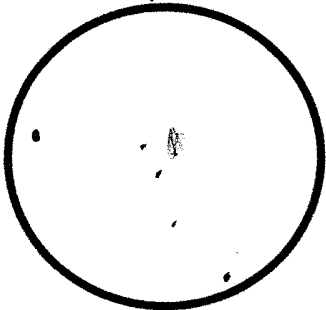
N 3296/7



Just E of  
 3280  
 F, AV=2

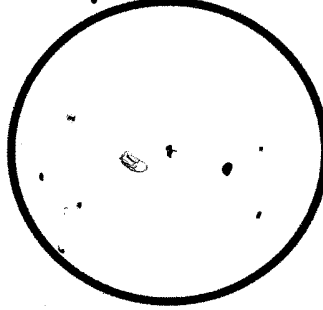
DATE=4/9/2021 TIME=345 UT SITE=ACT C=II S=III SCOPE=22UC @240X

N3383



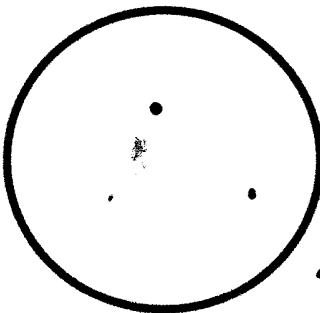
L, R

N3393



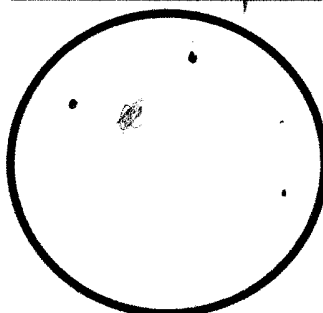
S/E, a bit F

N3420



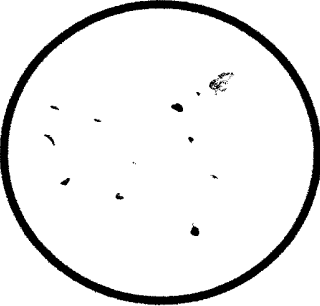
AV=4  
VF

N3409



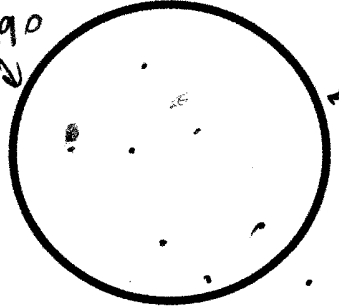
VVF, s, AV=3

N3431



AV=3, S/E  
@ 156°

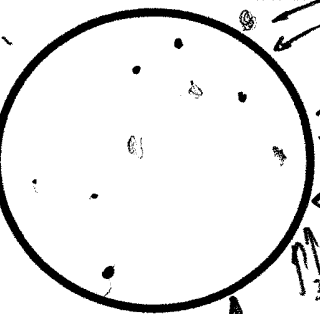
N3086+3090



3090  
↓

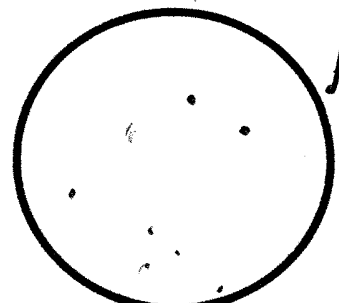
3086  
← AV=2

N3090+92+93



93 AV=2  
92 AV=3  
V close to  
3086  
← N 3090  
AV=2  
3092  
3090  
3092 3093

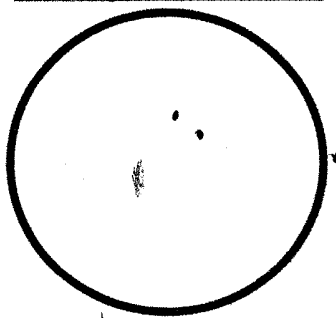
N3701



AV=4  
VF

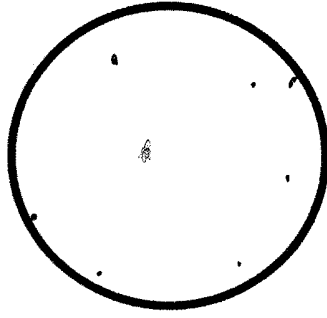
DATE=4/9/2021 TIME=450UT SITE=ACT C=II S=III SCOPE=22UC @240X

N 3112



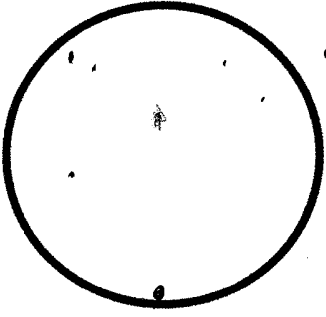
S, F

N 3146



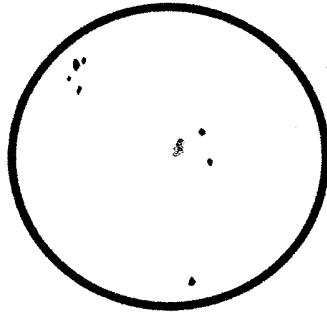
3 F, sl. bM

N 3171



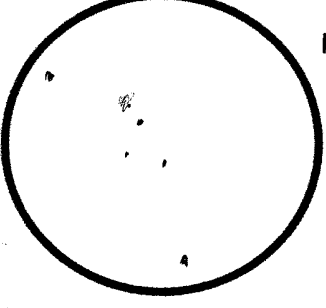
F, sl bM

N 3173



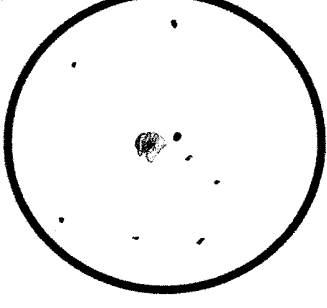
AV=3

N 3176



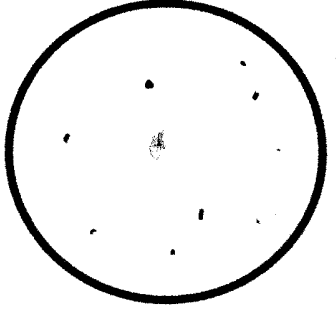
NBS?, vF

N 3208



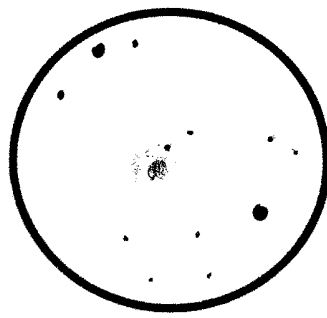
vF

N 3233



vF, vs  
stellar N

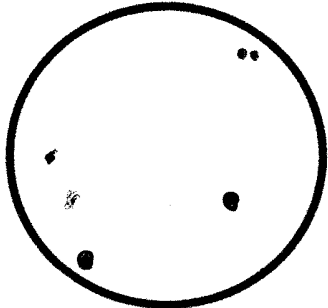
N 3240



vF AV=2

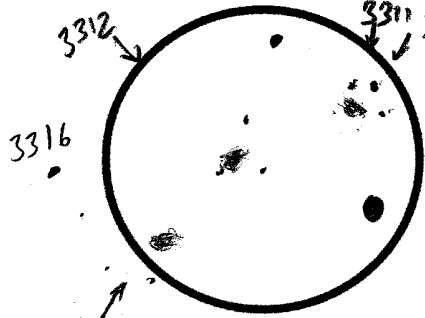
DATE=4/9/2021 TIME=500UT SITE=ACT C=II S=III SCOPE=22UC @ X

N 3282



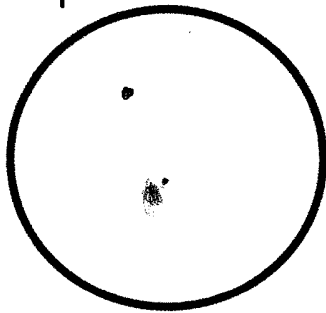
VF  
w/solar

N 3307+07+08+14+15



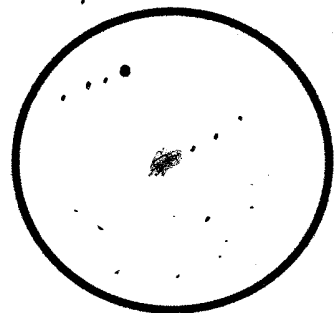
← 3307  
UMBREY!

N 3315



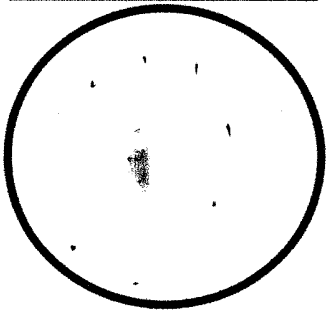
NICE, round

N 3336



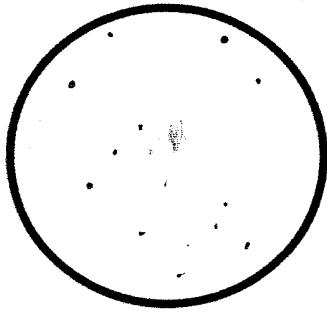
sl E, nre  
A11

N 3331



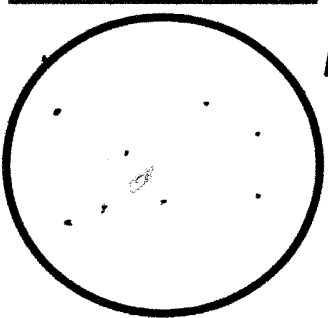
E, 0°, AV=2

N 3335



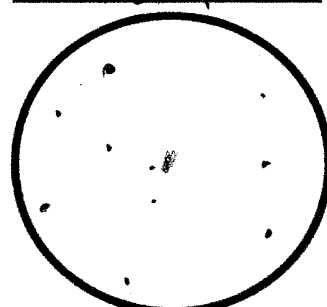
VF, sl E

N 3355



AV=4 net

N 3369



AV=4





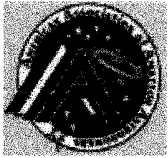
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## Observing Log

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Observer: B YOUNG Location: ACT Page: \_\_\_\_\_

INDEX	Period - Instrument		Notes
Object •	Date	Time	N3525 mostly nvc
	4/9/21	6:45	
	Power	Seeing	
	Type Instrument		
	22" UC		
Object •	Date	Time	N3528 AV=2
	Power	Seeing	
	Type Instrument		
Object • A	Date	Time	N3529 AV=3 rand
	Power	Seeing	
	Type Instrument		
Object •	Date	Time	N3565 AV=2 nvc
	Power	Seeing	
	Type Instrument		
Object •	Date	Time	N3673 NIC! NOTAR 6m + 2 RS Med size, nvc & good over
	Power	Seeing	
	Type Instrument		
Object •	Date	Time	N3717 L, dm, nvc + 13 m x but elevation hinders it
	Power	Seeing	
	Type Instrument		
Object •	Date	Time	N3836 w/ star on N edge & cool 10m dbl
	Power	Seeing	
	Type Instrument		
Object •	Date	Time	N5030 + 5037 + 5035 > N5030
	Power	Seeing	
	Type Instrument		
	← 5035		
Object •	Date	Time	<del>N5031</del> NOT! N5038
	Power	Seeing	
	Type Instrument		
Object •	Date	Time	N5031 sellw
	Power	Seeing	
	Type Instrument		



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## Observing Log

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Observer: B YOUNG Location: ACT ← n2 d b l Page:     

INDEX	Period - Instrument		Notes
Object	Date <u>4/1/21</u>	Time <u>7:30</u>	<u>2 F AV=2 N5309</u>
	Power	Seeing	<u>FIELD IS COMPARING SEPT</u>
	Type Instrument <u>22" UC</u>		
Object	Date	Time	<u>N5793 &amp; 5796</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N3325</u>
	Power	Seeing	<u>V F V S</u>
	Type Instrument		<u>22"</u>
Object	Date	Time	<u>N3340</u>
	Power	Seeing	<u>v F AV=3</u>
	Type Instrument		
Object	Date	Time	<u><del>N3704</del> <del>to</del> <del>N3707</del> N3711</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N3704</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u><del>N3711?</del></u>
	Power	Seeing	<u>X</u>
	Type Instrument		
Object	Date	Time	<u>N3711</u>
	Power	Seeing	
	Type Instrument		
Object	Date <u>3/11</u>	Time	<u>=3711</u>
	Power	Seeing	
	Type Instrument		
Object	Date	Time	<u>N3722 &amp; 24 + 20</u>
	Power <u>← 3720</u>	Seeing	
	Type Instrument <u>← 3722</u>		
			<u>← 3724</u>
			<u>N3723</u>