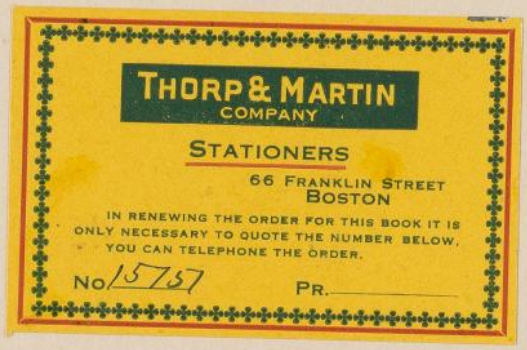
1930phae.proj.2330M

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Muriel E. Mussells



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ALL POSITIONS ARE FOR 1900

″ = seconds hour angle

′ = minutes of arc

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A 4881

A 4881

NEB.	α	δ	COMP. STARS	
1	3 37 20	-78 50.9	-79 110	
	3 37 19	-78 51.0	-78 101	
	3 37 20	-78 51.0	3 41 13 -79 29.5	3 33 55 -78 31.4
	Δα = 458"	Δδ = 48.1'	3 33 35 -78 41.4	
	= 24.5 mm	= 42.8 mm		
2	3 44 33	-77 27.3	-77 152	
	3 44 30	-77 27.3	-76 238	
	3 44 32	-77 27.3	3 50 13 -77 39.2	3 41 38 -77 8.6
	Δα = 1177"	Δδ = 57.4	3 30 36 -76 41.8	
	= 69.0 mm	= 53.0 mm		
3	3 43 53	-78 59.2	-79 110	
	3 43 52	-78 59.2	-78 116	
	3 43 52	-78 59.2	3 41 13 -79 29.5	3 40 19 -78 40.5
	Δα = 654"	Δδ = 86.8'	3 52 7 -78 2.7	
	= 29.0 mm	= 84.5		
4	3 49 28	-78 39.8		
	3 49 27	-78 39.7		
	3 49 28	-78 39.8		3 45 44 -78 21.7
5	3 50 8	-80 25.0	-80 99	
	3 50 8	-80 25.0	-79 110	
	3 50 8	-80 25.0	3 53 54 -80 28.8	3 44 35 -80 7.0
	Δα = 761"	Δδ = 59.3'	3 41 13 -79 29.5	
	= 37.0 mm	= 62.5 mm		
6	3 51 51	-80 13.6		
	3 51 53	-80 13.5		
	3 51 52	-80 13.6		3 46 16 -79 55.8

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H 4881

NEB.	α	δ	COMP. STARS	
7	3 52 33	-78 59.5	-79 110	
	3 52 37	-78 59.4	-78 123	
	3 52 35	-78 59.4	3 41 13 -79 29.5	3 48 47 -78 41.7
	Δα = 1489″	Δδ = 86.8′	4 6 2 -78 2.7	
	= 71.0 mm	= 78.0		
8	3 55 58	-77 42.1	-78 126	
	3 55 58	-77 42.1	-77 152	
	3 55 58	-77 42.1	4 7 48 -78 11.0	3 52 48 -77 24.8
	Δα = 1050″	Δδ = 31.8′	3 50 13 -77 59.2	
	= 55.0 mm	= 32.5 mm		
9	4 57 53	-77 58.3		
	4 57 53	-77 58.3		
	4 57 53	-77 58.3		4 53 42 -77 49.3
10	4 0 33	-76 30.5	-76 261	
	4 0 32	-76 30.5	-76 251	
	4 0 32	-76 30.5	4 6 18 -76 48.8	3 57 54 -76 13.8
	Δα = 812″	Δδ = 37.1′	3 52 46 -76 11.7	
	= 47.0 mm	= 38.5 mm		
11	4 0 23	-78 38.8	-78 123	
	4 0 22	-78 38.7	-78 116	
	4 0 22	-78 38.8	4 6 2 -78 49.1	3 56 25 -78 22.1
	Δα = 835″	Δδ = 46.4′	3 52 7 -78 2.7	
	= 41.8 mm	= 47.0 mm		

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A 4881

	Neb.	α	δ	Comp. Stars					
	12	4 5 49	-77 23.7	-77 152					
		4 5 51	-77 23.7	-76 261					
11.7		4 5 50	-77 23.7	3 50 13 -77 39.2	4	1	43	-77	7.7
		Δα = 965"	Δ δ = 50.4'	4 6 18 -76 48.8					
		= 53.5 mm	= 50.5 mm						
	13	4 9 51	-76 28.1	-76 261					
		4 9 49	-76 28.0	-76 263					
24.8		4 9 50	-76 28.0	4 6 18 -76 48.8	4	7	01	-76	12.4
		Δα = 247"	Δ δ = 41.5	4 10 25 -76 7.3					
		= 16.0 mm	= 41.0 mm						
	14	4 9 56	-76 27.6						
		4 9 56	-76 27.5						
9.3		4 9 56	-76 27.6		4	7	7	-76	12.0
	15	4 11 53	-78 29.3	-78 137					
	I.C. 2054	4 11 55	-78 29.2	-78 126					
3.8		4 11 54	-78 29.2	4 27 58 -78 56.4	4	7	40	-78	13.9
		Δα = 1210"	Δ δ = 45.4'	4 7 48 -78 11.0					
		= 56.5 mm	= 57.0 mm						
	16	4 20 50	-78 19.0						
		4 20 50	-78 19.0						
22.1		4 20 50	-78 19.0		4	16	4	-78	5.1

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A 4881

NEB.	α	δ	COMP. STARS	
17	4 19 15	-75 50.3	-76 263	
	4 19 16	-75 50.3	-76 270	
	4 19 16	-75 50.3	4 10 25 -76 7.3	4 16 52 -75 36.2
	Δα = 825″	Δδ = 9.7′	4 24 10 -75 57.6	
	= 50.5 mm	= 6.0 mm		
18	4 20 35	-76 46.0	-76 268	
	4 20 35	-76 46.0	-76 274	
	4 20 35	-76 46.0	4 19 54 -76 47.2	4 17 34 -76 32.1
	Δα = 456″	Δδ = 17.0′	4 27 30 -76 30.2	
	= 28.0 mm	= 14.0 mm		
19	4 20 43	-76 47.0		
	4 20 41	-76 47.0		
	4 20 42	-76 47.0		4 17 41 -76 33.1
20	4 27 16	-77 53.8	-78 147	
	4 27 17	-77 53.7	-77 162	
	4 27 16	-77 53.8	4 38 6 -78 34.3	4 23 30 -77 40.9
	Δα = 1202″	Δδ = 43.9	4 18 4 -77 50.4	
	= 55.5 mm	= 52.5 mm		
21	4 31 36	-78 28.9		
	4 31 38	-78 28.8		
	4 31 37	-78 28.8		4 26 58 -78 16.2
22	4 41 56	-77 40.1	-78 147	
	4 41 56	-77 40.2	-77 188	
	4 41 56	-77 40.2	4 38 6 -78 34.3	4 37 57 -77 28.9
	Δα = 730″	Δδ = 82.6′	4 50 46 -77 11.7	
	= 54.0 mm	= 74.0 mm		

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A4881

NEB.	α	δ	COMP. STARS				
23	4 39 0	-75 55.8	-76 274				
	4 39 1	-75 55.9	-75 282				
6.2	4 39 0	-75 55.8	4 27 30 -76 31.2	4	36	20	-75 44.1
	Δα = 995″	Δδ = 48.7′	4 44 5 -75 41.5				
	= 67.0 mm	= 39.0 mm					

#

A6572

A6572

NEB.	α	δ	COMP. STARS				
2.1 3	21 21 45	+21 55.7	+21 4545				
	21 21 45	+21 55.8	+21 4537				
	21 21 45	+21 55.8	21 22 20 +22 1.2	21	24	39	+22 22.5
	Δα = 178″	Δδ = 29.6′	21 19 22 +21 31.6				
	= 41.0 mm	= 32.5 mm					
3.1 4	21 19 56	+23 13.0	+23 4315				
nicht?	21 19 55	+22 13.0	+22 4374				
	21 19 56	+22 13.0	21 22 8 +23 57.8	21	22	47	+22 38.6
10.9	Δα = 315″	Δδ = 60.2′	21 16 53 +22 27.6				
	= 71.5 mm	= 60.5 mm					
5	21 19 47	+24 22.6	+24 4390				
	21 19 47	+23 22.5	+23 4315				
	21 19 47	+23 22.6	21 18 59 +24 32.1	21	22	37	+23 48.2
6.2	Δα = 189″	Δδ = 40.3′	21 22 8 +23 51.8				
	= 43.5 mm	= 40.0 mm					
6	21 19 38	+24 23.1					
8.8	21 19 38	+24 23.0					
	21 19 38	+24 23.0		21	22	26	+24 48.5

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8

A 6572
NEB.

	α	δ	Comp. Stars		
7	21 16 42	+23 33.0	+23 4283		
	21 16 42	+23 33.0	+22 4374		
	21 16 42	+23 33.0	21 13 26 +23 45.6	21 19 31	+23 58.2
	Δα = 207″	Δδ = 57.0	21 16 53 +22 51.6		
	= 48.0 mm	= 53.5 mm			
8	21 16 29	+22 57.1			
neb?	21 16 29	+22 57.2			
	21 16 29	+22 57.2		21 19 20	+23 22.6
9	21 13 56	+23 38.5			
neb?	21 13 56	+23 38.6			
	21 13 56	+23 38.6		21 16 45	+24 3.8
10	21 0 14	+24 45.9	+24 4315		
neb?	21 0 14	+24 45.9	+24 4312		
	21 0 14	+24 45.9	21 0 34 +24 52.3	21 2 58	+25 9.6
	Δα = 36″	Δδ = 31.2′	20 59 58 +24 21.1		
	= 9.0 mm	= 31.5 mm			
11	20 56 52	+23 58.7	+24 4312		
neb?	20 56 51	+23 58.7	+23 4209		
	20 56 52	+23 58.7	20 59 58 +24 21.1	20 59 38	+24 22.1
	Δα = 252″	Δδ = 30.2	20 55 46 +23 50.9		
	= 38.2 mm	= 29.0 mm			



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A7499

A7499
NEB.

		α		δ		Comp. Stars					
	1	23	0	4	-63	31.6	-63 4835				
		23	0	4	-63	31.6	-63 4855				
8.2		23	0	4	-63	31.6	22 55 38 -63 37.2	23	6	20	-62 59.2
		Δα = 440'			Δδ = 17.3'		23 2 58 -63 19.9				
		= 48.0 mm			= 21.5 mm						
	17	23	9	8	-61	31.1	-62 6418				
		23	9	10	-61	31.1	-61 6733				
2.6		23	9	9	-61	31.1	23 17 17 -62 10.8	23	15	9	-60 58.3
		Δα = 406"			Δδ = 67.3		23 10 31 -61 9.5				
		= 50.0 mm			= 67.0 mm						
.8	16	23	10	55	-62	2.8					
		23	10	55	-62	2.8					
		23	10	55	-62	2.8		23	16	58	-61 30.0
7.6	3	23	13	35	-64	11.2	-65 4116				
		23	13	34	-64	11.3	-64 4348				
		23	13	34	-64	11.2	23 9 7 -65 10.6	23	19	38	-63 38.4
		Δα = 577"			Δδ = 61.3'		23 18 44 -64 9.3				
		= 60.5 mm			= 63.0 mm						
2.1	4	23	15	23	-65	54.5					
		23	15	24	-65	54.5					
		23	15	24	-65	54.5		23	21	29	-65 21.7
	2	23	19	33	-62	7.9	-62 6418				
		23	19	32	-62	7.3	-61 6752				
		23	19	32	-62	7.3	23 17 17 -62 10.8	23	25	25	-61 34.5
		Δα = 407"			Δδ = 20.8'		23 24 4 -61 50.0				
		= 48.0 mm			= 21.0 mm						

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H 7499
NEB.

	α	δ	Comp. Stars		
7	23 26 7	-63 10.3	-63 4895		
	23 26 7	-63 10.1	-63 4908		
	23 26 7	-63 10.2	23 25 46 -63 15.0	23 31 51	-62 37.2
	Δα = 313″	Δδ = 22.9′	23 20 59 -63 51.9		
	= 36.5 mm	= 22.9 mm			
12	23 41 42	-63 7.2	-63 4928		
	23 41 42	-63 7.2	-63 4929		
	23 41 42	-63 7.2	23 41 30 -63 15.7	23 47 12	-62 34.0
	Δα = 43″	Δδ = 23.0	23 42 13 -62 52.7		
	= 7.0 mm	= 23.0 mm			
11	23 41 58	-63 6.7			
	23 41 58	-63 6.7			
	23 41 58	-63 6.7		23 47 28	-62 33.5
15	23 36 41	-63 40.9	-64 4381		
	23 36 41	-63 41.0	-63 4935		
	23 36 41	-63 41.0	23 43 34 -64 4.1	23 42 16	-63 7.8
	Δα = 342″	Δδ = 38.6′	23 49 16 -63 25.5		
	= 42.0 mm	= 35.0 mm			

#

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A 3164

A 3164
NEB.

		α		δ		Comp. Stars				
	1	13	39	58	-24	50.2	-24 5129			
		13	39	59	-24	50,2	-24 5139			
7.2		13	39	58	-24	50.2	13 39 12 -24 59.9	13	45 31	-25 20.5
		Δα = 144"			Δ δ = 36.3'		13 41 36 -24 23.6			
		= 32.7 mm			= 37.5 mm					
	2	13	37	12	-23	50.2	-24 5139			
		13	37	12	-23	50.1	-23 5767			
4.0		13	37	12	-23	50.2	13 41 36 -24 23.6	13	42 43	-24 20.0
		Δα = 288"			Δ δ = 46.4'		13 36 48 -23 37.2			
		= 66.5 mm			= 47.8 mm					
	3	13	39	7	-23	52.8				
		13	39	6	-23	52.6				
3.5		13	39	6	-23	52.7		13	44 38	-24 23.2
	4	13	41	38	-23	51.7				
		13	41	38	-23	51.6				
1.8		13	41	38	-23	51.6		13	47 11	-24 21.8
	5	13	44	20	-21	46.9	-22 5663			
		13	44	23	-21	46.9	-21 5617			
		13	44	22	-21	46.9	13 43 29 -22 13.4	13	49 52	-22 16.8
		Δα = 139"			Δ δ = 38.3'		13 45 48 -21 35.1			
		= 32.0 mm			= 39.0 mm					

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12

A 3164
NEB.

	α	δ	Comp. Stars	
6	13 45 41	-22 33.0	-22 5672	
	13 45 41	-22 33.0	-22 5663	
	13 45 41	-22 33.0	13 47 9 -22 32.5	13 51 12 -23 3.0
	Δα = 22.0″	Δδ = 19.1′	13 43 29 -22 13.4	
	= 51.5 mm	= 19.0 mm		
7	13 47 9	-22 26.0		
	13 47 9	-22 26.0		
	13 47 9	-22 26.0		13 52 41 -22 55.9
~~8~~	13 49 3	-22 48.4	-22 5678	
	13 49 3	-22 48.4	-22 5672	
Defect. Cf. A. 14807	~~13 49 3~~	~~-22 48.4~~	13 50 10 -22 50.9	
	Δα = 181″	Δδ = 18.4′	13 47 9 -22 32.5	
	= 42.0 mm	= 18.5 mm		
8	13 49 49	-22 26.1	-22 5672	
	13 49 49	-22 26.1	-21 5640	
	13 49 49	-22 26.1	13 47 9 -22 32.5	13 55 22 -22 55.7
	Δα = 234″	Δδ = 30.8′	13 51 3 -22 1.7	
	= 54.0 mm	= 31.0 mm		
9	13 50 12	-23 20.4	-23 5818	
	13 50 12	-23 20.3	-22 5678	
	13 50 12	-23 20.4	13 51 30 -23 55.4	13 55 47 -23 49.8
	Δα = 80″	Δδ = 64.5′	13 50 10 -22 50.9	
	= 18.0 mm	= 65.3 mm		
10	13 51 3	-23 34.2		
	13 51 2	-23 34.1		
	13 51 2	-23 34.2		13 56 37 -24 3.6

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A3164

Neb.	α	δ	Comp. Stars	
16	13 51 28	-23 4.3	-23 5817	
	13 51 28	-23 4.3	-22 5694	
3.0	13 51 28	-23 4.3	13 51 19 -23 20.8	13 57 03 -23 33.7
	Δα = 189″	Δδ = 24.1′	13 54 28 -22 56.7	
	= 43.5 mm	= 24.1 mm		
11	13 51 45	-23 45.0	-23 5818	
	13 51 45	-23 45.0	-22 5694	
5.9	13 51 45	-23 45.0	13 51 30 -23 55.4	13 57 20 -24 14.4
	Δα = 178″	Δδ = 58.7′	13 54 28 -22 56.7	
	= 41.5 mm	= 59.0 mm		
14	13 54 6	-23 46.9		
	13 54 7	-23 47.0		
	13 54 6	-23 47.0		13 59 41 -24 16.2
C	13 52 30	-22 55.3	-22 5694	
	13 52 30	-22 55.2	-22 5678	
55.7	13 52 30	-22 55.2	13 54 28 -22 56.7	13 58 03 -23 24.4
	Δα = 258″	Δδ = 5.8′	13 50 10 -22 50.9	
	= 59.0 mm	= 6.0 mm		
15	13 52 41	-22 53.3		
	13 52 41	-22 53.9		
49.8	13 52 41	-22 53.3		13 58 14 -23 22.5
3.6				

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H 3164
NEB.

	α	δ	Comp. Stars		
12	13 52 55	-23 59.6	-24 5211		
	13 52 55	-23 59.5	-23 5818		
	13 52 55	-23 59.6	13 56 51 -24 10.6	13 58 30	-24 29.0
	Δα = 821″	Δδ = 15.2′	13 51 30 -23 55.4		
	= 73.5 mm	= 16.5 mm			
13	13 52 59	-23 59.1			
	13 52 59	-23 59.1			
	13 52 59	-23 59.1		13 58 34	-24 28.5
17	13 55 19	-20 51.6	-21 5642		
	13 55 19	-20 51.6	-20 5855		
	13 55 19	-20 51.6	13 51 41 -21 9.6	14 00 50	-21 20.9
	Δα = 237″	Δδ = 40.4′	13 55 44 -20 29.2		
	= 56.0 mm	= 40.4 mm			
21	13 55 25	-20 46.6			
neb:	13 55 25	-20 46.6			
	13 55 25	-20 46.6		14 00 56	-21 15.9
22	13 56 32	-23 3.7	-23 5830		
	13 56 32	-23 3.8	-22 5694		
	13 56 32	-23 3.8	13 56 41 -23 19.4	14 2 08	-23 32.8
	Δα = 133″	Δδ = 23.0′	13 54 28 -22 56.4		
	= 30.5 mm	= 23.5 mm			

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A 3164

NEB.	α	δ	COMP. STARS					
d	13 56 42	-21 30.0	-22 5702					
	13 56 41	-21 30.0	-21 5648					
29.0	13 56 42	-21 30.0	13 5f 13 -22 8.2	14	2	15	-21	59.2
	Δα = 112"	Δδ = 44.6'	13 56 21 -21 23.6					
	= 27.5mm	= 45.5mm						
18	13 56 50	-21 30.9						
	13 56 49	-21 31.0						
28.5	13 56 50	-21 31.0		14	2	23	-22	0.2
23	13 57 38	-22 4.3						
not?	13 57 38	-22 4.3						
20.9	13 57 31	-22 4.3		14	3	04	-22	33.5
19	13 57 57	-24 56.3	-25 5320					
	13 57 57	-24 56.3	-24 5224					
	13 57 57	-24 56.3	13 56 56 -25 12.8	14	3	34	-25	25.3
	Δα = 229"	Δδ = 32.5'	14 0 45 -24 40.3					
15.9	= 52.5mm	= 31.5mm						
21	13 58 36	-25 10.2						
	13 58 37	-25 10.3						
32.8	13 59 36	-25 10.2		14	5	15	-25	39.1
24	14 2 8	-24 38.7	-24 5224					
	14 2 8	-24 38.6	-24 5234					
	14 2 8	-23 38.6	14 0 45 -24 40.3	14	7	45	-24	7.2
	Δα = 102"	Δδ = 6.3'	14 2 27 -24 33.9					
	= 21.5mm	= 6.0						

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1930phae.proj.231M

A 12233

NEB.	α	δ	Comp. Stars	
1	22 34 16	-70 56.1	-71 2709	
	22 34 17	-70 56.1	-70 2971	
	22 34 16	-70 56.1	22 31 22 -71 4.7	22 41 30 -70 24.9
	Δα = 980"	Δ δ = 28.4"	22 47 42 -70 36.3	
	= 76.0 mm	= 39.5 mm		
2	22 41 16	-70 44.2		
	22 41 15	-70 44.2		
	22 41 16	-70 44.2		22 48 26 -70 12.6
3	22 37 13	-72 53.9	-73 2275	
	22 37 14	-72 53.9	-72 2709	
	22 37 14	-72 53.9	22 49 23 -73 1.1	22 44 46 -72 22.5
	Δα = 840"	Δ δ = 21.6	22 35 23 -72 39.5	
	= 64.5 mm	= 13.5 mm		
4	22 38 39	-73 9.9	-73 2261	
	22 38 43	-73 9.9	-73 2275	
	22 38 41	-73 9.9	22 28 24 -73 15.6	22 46 20 -72 38.4
	Δα = 1259"	Δ δ = 14.5'	22 49 23 -73 1.1	
	= 88.8 mm	= 25.5 mm		
5	22 40 33	-73 6.8		
	22 40 35	-73 6.8		
	22 40 34	-73 6.8		22 48 9 -72 35.2

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1930phae.proj.2301M

#12833
NEB.

		α	δ	Comp. Stars	
	6	22 34 36	-74 21.0	-74 2040	
		22 34 36	-74 21.0	-74 2047	
24.9		22 34 36	-74 21.0	22 31 56 -74 28.1	22 42 33 -73 49.8
		Δα = 888"	Δδ = 31.8'	22 46 44 -73 56.3	
		= 55.5 mm	= 44.5 mm		
	8	22 40 51	-74 17.9		
		22 40 52	-74 17.9		
12.6		22 40 52	-74 17.9		22 48 38 -73 46.3
	7	22 31 37	-75 33.1	-75 1755	
		22 31 38	-75 33.2	-75 1766	
22.5		22 31 38	-75 33.2	22 29 24 -75 43.3	22 39 54 -75 2.3
		Δα = 1137"	Δδ = 11.7'	22 48 21 -75 31.6	
		= 68.5 mm	= 22.0 mm		
	9	22 40 18	-75 39.1		
		22 40 18	-75 39.1		
38.4		22 40 18	-75 39.1		22 48 13 -75 5.5
	10	22 43 47	-74 43.1	-75 1766	
		22 43 46	-74 43.1	-74 2040	
		22 43 46	-74 43.1	22 48 21 -75 31.6	22 52 24 -74 11.3
		Δα = 985"	Δδ = 63.5'	22 31 56 -74 28.1	
35.2		= 72.0	= 55.0		
	11	22 47 14	-72 38.1	-73 2275	
		22 47 13	-72 38.1	-72 2726	
		22 47 14	-72 38.1	22 49 23 -73 1.1	22 54 30 -72 6.2
		Δα = 326"	Δδ = 63.8'	22 43 57 -71 57.3	
		= 31.5 mm	= 61.0 mm		

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1930phae.proj.233M

A12233

NEB.	α	δ	COMP. STARS		
12	22 53 3	-73 37.0	-74 2047		
	22 53 4	-73 36.9	-73 2278		
	22 53 4	-73 37.0	22 46 44 -73 46.3	23 0 18	-73 4.9
	Δα = 759″	Δδ = 20.8′	22 59 28 -73 30.5		
	= 51.0 mm	= 30.0 mm			
13	22 52 51	-75 32.7	-76 1575		
	22 52 51	-75 32.8	-75 1766		
	22 52 51	-75 32.8	23 9 48 -76 4.7	23 00 21	-75 0.7
	Δα = 1287″	Δδ = 33.1′	22 48 21 -75 31.6		
	= 81.0 mm	= 28.5 mm			
14	22 57 53	-75 45.5			
	22 57 51	-75 45.5			
	22 57 52	-75 45.5		23 5 12	-75 13.2
15	22 58 34	-72 16.3	-72 2742		
	22 58 35	-72 16.3	-72 2752		
	22 58 34	-72 16.3	22 53 50 -72 16.3	23 5 29	-71 44.0
	Δα = 840″	Δδ = 22.5′	23 7 50 -71 53.8		
	= 63.5 mm	= 26.0 mm			
17	23 2 40	-72 2.5			
	23 2 39	-72 2.4			
	23 2 40	-72 2.4		23 9 28	-71 29.9
18	23 3 0	-72 2.8			
	23 2 59	-72 2.8			
	23 3 0	-72 2.8		23 9 47	-71 30.3

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1930phae.proj.230M

A 12233

	Neb.	α	δ	Comp. Stars				
	16	22 58 16	-70 46.8	-71 2749				
		22 58 17	-70 46.8	-70 2971				
4.9		22 58 16	-70 46.8	23 3 18 -71 14.8	23	5	03	-70 14.6
		Δα = 936"	Δδ = 36.0'	22 47 42 -70 36.3				
		= 79.0 mm	= 33.0 mm					
	19	23 4 58	-71 5.3	-71 2749				
		23 4 56	-71 5.3	-70 3001				
0.7		23 4 57	-71 5.3	23 3 18 -71 14.8	23	11	37	-70 32.7
		Δα = 416"	Δδ = 27.0'	23 10 14 -70 47.8				
		= 33.5	= 28.5 mm					
	20	23 1 39	-72 27.7	-72 2755				
		23 1 42	-72 27.7	-72 2742				
13.2		23 1 40	-72 27.7	23 12 8 -72 36.7	23	8	30	-71 55.2
		Δα = 1090"	Δδ = 20.4'	22 53 50 -72 16.3				
		= 69.0 mm	= 18.0 mm					
44.0	21	23 1 28	-75 22.2	-75 1771				
		23 1 28	-75 22.3	-75 1775				
		23 1 28	-75 22.2	23 0 12 -75 33.3	23	8	41	-74 49.7
		Δα = 370"	Δδ = 41.1'	23 6 22 -74 52.2				
		= 22.0 mm	= 42.5 mm					
29.9	23	23 4 24	-75 23.1					
		23 4 24	-75 23.2					
		23 4 24	-75 23.2		23	11	31	-74 50.6
0.3	24	23 6 12	-75 13.5					
		23 6 14	-75 13.5					
		23 6 13	-75 13.5		23	13	17	-74 40.9

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1930phae.proj.230M

A 12233
NEB

	α	δ	Comp. Stars					
22	23 4 8	-75 35.4	-76 1975					
	23 4 9	-75 35.4	-75 1771					
	23 4 8	-75 35.4	23 9 48 -76 47	23	11	16	-75	2.8
	Δα = 576″	Δδ = 31.4′	23 0 12 -75 33.3					
	= 36.5 mm	= 20.5 mm						
25	23 9 9	-72 40.1	-73 2278					
	23 9 9	-72 40.1	-72 2755					
	23 9 9	-72 40.1	22 59 23 -73 20.5	23	15	46	-72	7.3
	Δα = 757″	Δδ = 53.8′	23 12 0 -72 36.7					
	= 40.0 mm	= 35.0 mm						
26	23 9 20	-71 48.7	-72 2752					
	23 9 20	-71 48.7	-71 2758					
	23 9 20	-71 48.7	23 7 50 -71 53.8	23	15	53	-71	15.9
	Δα = 320″	Δδ = 20.9′	23 13 10 -71 32.9					
	= 25.0 mm	= 21.6 mm						
28	23 9 59	-71 30.8	-71 2758					
	23 9 59	-71 30.8	-71 2749					
	23 9 59	-71 30.8	23 13 10 -71 32.9	23	16	31	-70	58.0
	Δα = 592″	Δδ = 18.1′	23 3 18 -71 14.8					
	= 48.0 mm	= 17.5 mm						
27	23 12 18	-71 56.7	-72 2755					
	23 12 18	-71 56.6	-71 2758					
	23 12 18	-71 56.6	23 12 0 -72 36.7	23	18	46	-71	23.8
	Δα = 70″	Δδ = 63.8′	23 13 10 -71 32.9					
	= 9.0 mm	= 65.3 mm						

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1930phae.proj.23BM

A 12283

NEB.	α	δ	COMP. STARS	
33	23 13 3	-72 29.9		
	23 13 3	-72 29.9		
	23 13 3	-72 29.9		23 19 35 -71 57.1
29	23 7 49	-74 29.1	-75 1775	
	23 7 49	-74 28.9	-74 2061	
	23 7 49	-74 29.0	23 6 22 -74 52.2	23 14 43 -73 56.3
	Δα = 254"	Δδ = 43.4'	23 10 36 -74 8.8	
	= 16.9 mm	= 44.0 mm		
30	23 7 49	-74 31.5		
	23 7 49	-74 31.4		
	23 7 49	-74 31.4		23 14 43 -73 58.7
31	23 12 41	-75 14.5	-75 1784	
	23 12 36	-75 14.4	-75 1775	
	23 12 38	-75 14.4	23 27 11 -75 24.4	23 19 28 -74 41.2
	Δα = 1249"	Δδ = 32.2'	23 6 22 -74 52.2	
	= 80.0 mm	= 34.0 mm		
38	23 19 16	-75 13.1		
	23 19 12	-75 13.1		
	23 19 14	-75 13.1		23 25 48 -74 40.3
34	23 13 50	-72 5.0	-72 2763	
	23 13 48	-72 5.0	-72 2752	
	23 13 49	-72 5.0	23 25 5 -72 46.0	23 20 21 -71 32.2
	Δα = 1035"	Δδ = 52.2'	23 7 50 -71 53.8	
	= 76.0 mm	= 53.5 mm		

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1930phae.proj.233M

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H 12283

NEB	α	δ	Comp. Stars	
32	23 11 46	−73 43.6	−74 2061	
	23 11 47	−73 43.5	−73 2289	
	23 11 46	−73 43.6	23 10 36 −74 8.8	23 18 23 −73 10.8
	Δα = 754″	Δδ = 56.0′	23 23 16 −73 12.8	
	= 54.0 mm	= 55.5 mm		
36	23 16 11	−73 54.1		
	23 16 12	−73 54.1		
	23 16 12	−73 54.1		23 22 42 −73 21.3
51	23 17 21	−73 50.1		
	23 17 21	−73 50.1		
	23 17 21	−73 50.1		23 23 49 −73 17.3
37	23 17 23	−73 50.3		
	23 17 24	−73 50.3		
	23 17 24	−73 50.3		23 23 52 −73 12.5
40	23 22 13	−73 41.1		
	23 22 14	−73 41.1		
	23 22 14	−73 41.1		23 28 34 −73 8.2
35	23 13 59	−70 56.5	−71 2758	
	23 13 59	−70 56.5	−71 2764	
	23 13 59	−70 56.5	23 13 10 −71 32.9	23 20 21 −70 23.7
	Δα = 574″	Δδ = 39.4′	23 22 44 −70 53.5	
	= 47.0 mm	= 39.5 mm		
41	23 21 54	−71 29.4		
	23 21 55	−71 29.4		
	23 21 54	−71 29.4		23 8 06 −70 56.5

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H 12233

NEB	α	δ	Comp. Stars		
39	23 21 54	-74 32.7	-74 2065		
	23 21 55	-74 32.7	-74 2075		
	23 21 54	-74 32.7	23 15 30 -74 42.8	23 28 18	-73 59.8
	Δα = 733″ = 50.5mm	Δδ = 25.6′ = 24.0mm	23 27 43 -74 17.2		
42	23 25 19	-73 4.5	-73 2299		
	23 25 19	-73 4.5	-72 2763		
	23 25 19	-73 4.5	23 33 42 -73 15.1	23 31 32	-72 31.5
	Δα = 517″ = 36.0mm	Δδ = 29.1′ = 33.0	23 25 5 -72 46.0		
43	23 28 56	-73 38.4	-74 2075		
	23 28 56	-73 38.5	-73 2299		
	23 28 56	-73 38.4	23 27 43 -74 17.2	23 35 2	-73 52
	Δα = 359″ = 29.5mm	Δδ = 62.1′ = 60.0mm	23 33 42 -73 15.1		
44	23 32 41	-73 47.7			
not?	23 32 43	-73 47.7			
	23 32 42	-73 47.7		23 38 41	-73 14.5
45	23 31 2	-71 9.1	-71 2770		
	23 31 2	-71 9.1	-71 2764		
	23 31 2	-71 9.1	23 37 34 -71 22.4	23 36 57	-70 36.9
	Δα = 890″ = 70.5mm	Δδ = 28.9′ -348	23 22 44 -70 73.5		

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1930phae.proj.230M

H 12233
NEB.

	α	δ	Comp. Stars		
46	23 37 10	-75 54.8	-76 1614		
	23 37 11	-75 54.8	-75 1784		
	23 37 10	-75 54.8	23 41 38 -76 2.3	23 43 08	-75 21.6
	Δα = 867″	Δδ = 37.9′	23 27 11 -75 24.4		
	= 68.0 mm	= 38.0 mm			
47	23 38 54	-73 26.8	-73 2326		
neb?	23 38 54	-73 26.7	-73 2299		
	23 38 54	-73 26.8	23 49 14 -73 41.1	23 44 40	-72 53.6
	Δα = 932″	Δδ = 26.0′	23 33 42 -73 15.1		
	= 63.0 mm	= 33.5 mm			
48	23 48 15	-73 34.9			
neb?	23 48 15	-73 34.9			
	23 48 15	-73 34.9		23 53 46	-73 1.7
49	23 38 21	-70 20.3	-70 3016		
neb?	23 38 22	-70 20.3	-70 3017		
	23 38 22	-70 20.3	23 37 24 -70 35.7	23 44 04	-69 47.1
	Δα = 159″	Δδ = 21.3′	23 40 3 -70 14.4		
	= 22.0 mm	= 14.5			
50	23 59 11	-73 55.2	-74 11		
Globular cluster?	23 59 9	-73 55.2	-73 2326		
	23 59 10	-73 55.2	0 5 57 -74 3.7	0 4 20	-73 21.6
	Δα = 1003″	Δδ = 22.6′	23 49 14 -73 41.1		
	= 61.5 mm	= 44.0 mm			

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1930phae.proj.2301M

A 6844 (8×10)

A 6844
NEB.

	α			δ			Comp. Stars								
1	21	16	37	-17	30.4		-17	6270							
	21	16	37	-17	30.4		-16	5846							
21.6	21	16	37	-17	30.4		21	21 11	-17	42.4		21	23	12	-17	5.1
	Δα = 378″			Δδ = 63.4′			21	14 53	-16	39.0					
	= 90.5 mm			= 63.5 mm											
3	21	17	48	-17	15.9										
	21	17	48	-17	15.9										
53.6	21	17	48	-17	15.9							21	24	22	-16	50.5
4	21	19	16	-17	21.9											
	21	19	16	-17	21.9											
	21	19	16	-17	21.9							21	25	50	-16	56.3
1.7																
2	21	19	33	-18	32.1		-18	5931								
neb?	21	19	33	-18	32.1		-18	5924								
	21	19	33	-18	32.1		21	20 3	-18	40.7		21	26	09	-18	6.5
17.1	Δα = 102″			Δδ = 41.8′			21	18 21	-17	58.9						
	= 24.0 mm			= 44.0 mm												
5	21	19	43	-16	34.2		-17	6262								
	21	19	43	-16	34.2		-16	5864								
	21	19	43	-16	34.2		21	19 38	-16	50.0		21	26	16	-16	9.6
21.6	Δα = 116″			Δδ = 26.0			21	21 34	-16	24.0						
	= 28.0 mm			= 25.5 mm												

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1930phae.proj.239M

26

H 6844

NEB.

	α	δ	COMP. STARS	
6	21 21 26	−17 37.4	−17 6270	
	21 21 26	−17 37.4	−17 6287	
	21 21 26	−17 37.4	21 21 11 −17 42.4	21 28 00 −17 11.7
	Δα = 92″	Δδ = 17.8′	21 22 43 −17 24.5	
	= 22.0 mm	= 17.8 mm		
7	21 20 10	−16 5.7	−16 5864	
	21 20 10	−16 5.7	−16 5861	
	21 20 10	−16 5.7	21 21 34 −16 24.0	21 26 42 −15 40.1
	Δα = 101″	Δδ = 30.5	21 19 53 −15 53.5	
	= 24.0	= 32.5 mm		
8 neb?	21 20 12	−15 42.9	−16 5861	
	21 20 12	−15 42.8	−15 5992	
	21 20 12	−15 42.8	21 19 53 −15 53.5	21 26 43 −15 17.2
	Δα = 207″	Δδ = 37.5′	21 23 20 −15 16.0	
	= 50.2 mm	= 37.0 mm		
10	21 20 6	−15 16.5		
	21 20 6	−15 16.5		
	21 20 6	−15 16.5		21 26 36 −14 50.9
11	21 22 20	−15 15.0		
	21 22 20	−15 15.0		
	21 22 20	−15 15.0		21 28 50 −14 49.2
9	21 23 26	−17 38.9	−17 6270	
	21 23 26	−17 38.9	−17 6304	
	21 23 26	−17 38.9	21 21 11 −17 42.4	21 30 00 −17 13.0
	Δα = 309″	Δδ = 48.9″	21 26 20 −16 53.5	
	= 74.5 mm	= 49.0 mm		

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A 6844

NEB.	α	δ	COMP. STARS		
12	21 22 56	-15 35.9	-15 5989		
	21 22 55	-15 35.9	-15 5992		
	21 22 56	-15 35.9	21 22 28 -15 47.9	21 29 27	-15 10.0
	Δα = 52"	Δδ = 31.9'	21 23 20 -15 16.0		
	= 12.8mm	= 32.0mm			
13	21 27 46	-16 49.9	-17 6204		
	21 27 47	-16 49.9	-16 5887		
	21 27 46	-16 49.9	21 26 20 -16 53.5	21 34 18	-16 23.6
	Δα = 130'	Δδ = 32.9'	21 28 30 -16 20.0		
	= 31.5mm	= 32.5mm			
14	21 28 30	-16 50.9			
	21 28 30	-16 50.9			
	21 28 30	-16 50.9		21 35 02	-16 24.6

A 14194

A 14194

NEB.	α	δ	COMP. STARS		
1	16 39 45	-27 13.9	-27 11113		
neb?	16 39 46	-27 13.9	-26 11436		
	16 39 46	-27 13.9	16 38 38 -27 16.4	16 46 5	-27 25.5
	Δα = 72"	Δδ = 14.5'	16 39 50 -27 1.9		
	= 16.0mm	= 14.5mm			
2	16 41 12	-29 8.1	-29 12836		
neb. or cluster?	16 41 12	-29 8.1	-29 12845		
	16 41 12	-29 8.1	16 40 46 -29 23.8	16 47 30	-29 19.3
	Δα = 36"	Δδ = 18.0'	16 41 22 -29 5.8		
	= 7.5	= 19.5mm			

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1930phae.proj.230M

28

H 14194

NEB.

	α	δ	Comp. Stars		
3	16 45 11	-27 10.7	-27 11186		
	16 45 . 11	-27 10.7	-26 11627		
	16 45 11	-27 10.7	16 43 8 -27 23.9	16 51 24	-27 21.8
	Δα = 178″	Δδ = 32.8′	16 46 6 -26 57.1		
	= 39.2 mm	= 33.5 mm			
4	16 47 55	-26 55.1	-27 11258		
	16 47 54	-26 55.2	-26 11627		
	16 47 54	-26 55.2	16 48 13 -27 24.5	16 54 08	-26 56.8
	Δα = 127″	Δδ = 33.4′	16 46 6 -26 57.1		
	= 28.5 mm	= 33.8 mm			
5	16 48 11	-27 4.9			
	16 48 11	-27 4.9			
	16 48 11	-27 4.9		16 54 24	-27 15.5
6	16 53 27	-27 14.8	-27 11366		
neb?	16 53 27	-27 14.7	-26 11732		
	16 53 27	-27 14.8	16 54 29 -27 16.2	16 59 41	-27 24.4
	Δα = 130″	Δδ = 18.8′	16 52 19 -26 57.4		
	= 29.0 mm	= 19.5 mm			
7	17 0 35	-26 27.4	-26 11928		
neb?	17 0 35	-26 27.4	-26 11880		
several stars: cf. H14802	~~17 0 35~~	~~-26 27.4~~	17 2 0 -26 50.0		
	Δα = 126″	Δδ = 23.1′	16 59 54 -26 26.9		
	= 29.3 mm	= 24.5 mm			

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1930phae.proj.230M

A 14211

A 14211

NEB.	α	δ	Comp. Stars		
1	17 9 16	-7 38.3	-7 4414		
	17 9 16	-7 38.3	-7 4408		
1.8	17 9 16	-7 38.3	17 10 39 -7 55.3	17 14 41	-7 45.6
	Δα = 141″	Δ δ = 28.2′	17 8 18 -7 27.1		
	= 34.8 mm	= 29.0 mm			
2	17 11 2	-4 49.7	-4 4258		
	17 11 2	-4 49.7	-4 4252		
6.8	17 11 2	-4 49.7	17 12 2 -5 1.7	17 16 20	-4 56.8
	Δα = 160″	Δ δ = 39.3′	17 9 22 -4 22.4		
	= 41.0 mm	= 39.5 mm			
3	17 14 11	-3 47.2	-4 4261		
	17 14 12	-3 47.1	-3 4089		
5.5	17 14 12	-3 47.2	17 13 22 -4 10.4	17 19 28	-3 49.2
	Δα = 130″	Δ δ = 60.3′	17 15 32 -3 10.1		
	= 33.0 mm	= 61.0 mm			
4.4	4 17 14 18	-6 29.3	-6 4581		
	17 14 18	-6 29.3	-6 4579		
	17 14 18	-6 29.3	17 15 19 -7 0.5	17 19 40	-6 35.9
	Δα = 81″	Δ δ = 31.2′	17 13 58 -6 29.3		
	= 20.0 mm	= 31.2 mm			
	5 17 15 52	-7 19.5	-7 4433		
	17 15 52	-7 19.5	-6 4581		
	17 15 52	-7 19.5	17 17 7 -7 44.6	17 21 26	-7 25.9
	Δα = 108″	Δ δ = 44.1′	17 15 19 -7 0.5		
	= 26.5 mm	= 44.3 mm			

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1930phae.proj.230M

30

A 14211

NEB.

	α	δ	Comp. Stars		
6	17 17 19	-7 51.7	-7 4438.		
	17 17 19	-7 51.7	-7 4433		
	17 17 19	-7 51.7	17 18 53 -7 59.8	17 22 44	-7 57.9
	Δα = 106″	Δδ = 15.2′	17 17 7 -7 44.6		
	= 26.0 mm	= 16.0 mm			
7	17 17 24	-7 47.4			
	17 17 23	-7 47.5			
	17 17 24	-7 47.4		17 22 49	-7 53.6
8	17 16 27	-6 5.2	-6 4579		
	17 16 27	-6 5.2	-5 4434		
	17 16 27	-6 5.2	17 13 58 -6 29.3	17 21 48	-6 11.5
	Δα = 197″	Δδ = 55.9′	17 17 15 -5 33.4		
	= 49.0 mm	= 56.3 mm			
9	17 16 29	-3 11.3	-3 4091		
	17 16 29	-3 11.3	-3 4089		
	17 16 29	-3 11.3	17 16 57 -3 30.7	17 21 44	-3 17.6
	Δα = 85″	Δδ = 20.6′	17 15 32 -3 10.1		
	= 21.0 mm	= 21.8 mm			
10	17 19 10	-4 1.5	-4 4281		
	17 19 11	-4 1.6	-3 4091		
	17 19 10	-4 1.6	17 22 17 -4 14.3	17 24 26	-4 7.5
	Δα = 320″	Δδ = 43.6′	17 16 57 -3 2.07		
	= 79.8 mm	= 44.5 mm			
11 = I.C. 1257					

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A14211
NEB.

		α	δ	Comp. Stars		
	12	17 22 13	-4 27.7	-4 4288		
		17 22 13	-4 27.7	-4 4281		
7.9		17 22 13	-4 27.7	17 24 28 -4 46.1	17 27 30	-4 33.2
		Δα = 131″	Δδ = 33.8′	17 22 17 -4 14.3		
		= 33.0 mm	= 34.0 mm			
	13	17 22 45	-4 48.6			
		17 22 45	-4 48.6			
3.6		17 22 45	-4 48.6		17 28 03	-4 54.0
	14	17 26 36	-6 28.4	-6 4612		
		17 26 36	-6 28.4	-6 4608		
.5		17 26 36	-6 28.4	17 28 56 -6 54.9	17 31 58	-6 33.3
		Δα = 148″	Δδ = 30.6′	17 26 28 -6 24.3		
		= 37.0 mm	= 31.2 mm			
	15	17 27 41	-4 5.3	-4 4296		
		17 27 41	-4 5.3	-3 4129		
7.6		17 27 41	-4 5.3	17 27 41 -4 31.7	17 32 58	-4 10.0
		Δα = 130″	Δδ = 56.0′	17 29 51 -3 35.7		
		= 33.0 mm	= 56.3 mm			
	16	17 28 15	-4 44.5	-4 4303		
		17 28 15	-4 44.5	-4 4296		
.5		17 28 15	-4 44.5	17 29 23 -4 57.8	17 33 33	-4 49.1
		Δα = 102″	Δδ = 26.1′	17 27 41 -4 31.7		
		= 25.5 mm	= 26.3 mm			

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A14211
NEB.

	α	δ	Comp. Stars	
17	17 28 55	-5 10.4	-5 4468	
	17 28 54	-5 10.5	-4 4296	
	17 28 54	-5 10.4	17 32 87 -5 32.3	17 34 13 -5 14.9
	Δα = 296"	Δδ = 60.6'	17 27 41 -4 31.7	
	= 73.8 mm	= 61.0 mm		
18	17 30 15	-5 1.0		
	17 30 15	-5 1.0		
	17 30 15	-5 1.0		17 35 34 -5 5.3

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A14219

A14219
NEB.

	α	δ	Comp. Stars	
1	21 53 43	-68 41.8	-69 3207	
neb?	21 53 42	-68 41.9	-68 3462	
	21 53 42	-68 41.8	21 51 54 -69 17.6	22 1 45 -68 13.5
	Δα = 518"	Δδ = 60.7'	22 0 32 -68 16.9	
	= 38.5 mm	= 68.0 mm		
2	21 59 53	-67 16.2	-67 3854	
	21 59 51	-67 16.2	-67 3868	
	21 59 52	-67 16.2	21 56 35 -67 20.0	22 7 40 -66 47.4
	Δα = 570"	Δδ = 14.7'	22 6 5 -67 5.3	
	= 53.5	= 21.0 mm		
3	21 54 39	-69 56.8	-70 2903	
	21 54 40	-69 56.8	-70 2889	
	21 54 40	-69 56.8	22 5 4 -70 10.7	22 2 54 -69 28.4
	Δα = 721"	Δδ = 15.0'	21 53 3 -69 55.7	
	= 63.0 mm	= 7.0 mm		

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F 14219

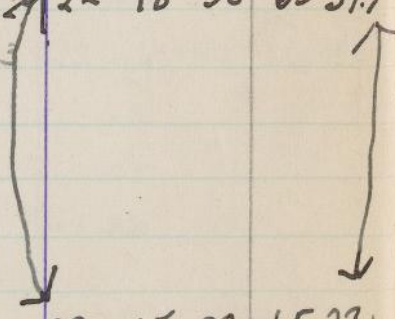
NEB.	α	δ	COMP. STARS					
316	22 2 48	-67 58.4	-68 3462					
	22 2 50	-67 58.3	-67 3879					
14.9	22 2 49	-67 58.4	22 0 32	-68 16.9	22 10 34	-67 29.4 ~~29.4~~		
	Δα = 590″ = 52.0 mm	Δδ = 35.3′ = 400 mm	22 10 22	-67 41.6				
4	22 3 56	-67 53.9						
	22 3 56	-67 53.9						
3	22 3 56	-67 53.9			22 11 40	-67 24.8		
5	22 4 19	-68 0.6						
	22 4 19	-68 0.6						
	22 4 19	-68 0.6			22 12 10	-67 31.4		
6	22 4 42	-67 57.7						
3.5 neb?	22 4 42	-67 57.7						
	22 4 42	-67 57.7			22 12 24	-67 28.5		
7	22 5 4	-67 56.6						
	22 5 4	-67 56.6						
	22 5 4	-67 56.6			22 12 46	-67 27.4		
47.4								
8	22 5 4	-67 55.3						
	22 5 4	-67 55.3						
	22 5 4	-67 55.3			22 12 46	-67 26.1		
17	22 6 41	-68 7.6						
8.4 neb?	22 6 41	-68 7.6						
	22 6 41	-68 7.6			22 14 29	-67 38.3		

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NEB.

	α	δ	Comp. Stars	
16	22 7 38	-67 55.7	22 0.32 -68 16.9	
	22 7 38	-67 55.7	22 10 22 -67 41.6	
	22 7 38	-67 55.7		22 15 17 -67 26.3
9	22 7 10	-67 36.0	-67 38.9	
	22 7 9	-67 35.9	-67 38.8	
	22 7 10	-67 36.0	22 10 22 -67 41.6	22 14 50 -67 6.6
	Δα = 257″	Δδ = 36.3′	22 6 5 -67 5.3	
	= 28.0 mm	= 34.3 mm		
15	22 7 23	-67 16.4		
	22 7 23	-67 16.4		
	22 7 23	-67 16.4		22 15 02 -66 47.0
30	22 10 4	-67 26.5		
neb?	22 10 3	-67 26.5		
	22 10 4	-67 26.5		22 17 40 -66 56.9
11	22 7 52	-66 2.5	-66 36 50	
star attached	22 7 52	-66 2.5	-66 36 59	
	22 7 52	-66 2.5	22 12 34 -66 29.9	22 18 38 -65 37.7
	Δα = 386″	Δδ = 31.6′	22 6 8 -65 58.3	
	= 41.8 mm	= 28.8 mm		
23	22 11 11	-66 7.4		
	22 11 11	-66 7.4		
	22 11 11	-66 7.4		22 15 23 -65 33.1



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NEB.

		α	δ	Comp. Stars		
	10	22 8 38	-65 22.8	-66 3639		
		22 8 38	-65 22.8	-65 4017		
26.3		22 8 38	-65 22.8	22 6 8 -65 58.3	22 16 03	-64 53.3
		Δα = 380"	Δδ = 34.9	22 11 8 -65 3.4		
		= 26.0 mm	= 38.0mm			
6.6	12	22 10 4	-65 44.1			
		22 10 4	-65 44.0			
		22 10 4	-65 44.0		22 17 28	-65 14.4
	13	22 7 55	-67 38.2	-67 3868		
		22 7 55	-67 38.2	-66 3650		
47.0		22 7 55	-67 38.2	22 6 5 -67 5.3	22 15 33	-67 8.8
		Δα = 389"	Δδ = 35.4'	22 12 31 -66 29.9		
		= 35.5mm	= 38.5mm			
56.9	14	22 8 0	-66 52.9			
		22 8 0	-66 52.9			
		22 8 0	-66 52.9		22 15 30	-66 22.5
37.7	18	22 5 38	-68 52.9	-69 3223		
		22 5 37	-68 52.9	-68 3466		
		22 5 38	-68 52.9	22 7 39 -69 16.9	22 13 27	-68 23.7
		Δα = 268"	Δδ = 29.4'	22 3 11 -68 47.5		
		= 26.5mm	= 27.0mm			
33.1	19	22 6 18	-69 1.1			
		22 6 18	-69 1.1			
		22 6 18	-69 1.1		22 14 16	-68 31.8

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NEB.

	α	δ	Comp. Stars				
20	22 4 55	-69 23.7	-70 2903				
	22 4 55	-69 23.7	-68 3466				
	22 4 55	-69 23.7	22 5 4 -70 10.7	22	12	55	-68 54.5
	Δα = 113″	Δδ = 83.2′	22 3 11 -68 47.5				
	= 18.8 mm	= 82.5					
24	22 8 57	-68 32.6	-68 3466				
	22 8 57	-68 32.6	-68 3488				
	22 8 57	-68 32.6	22 3 11 -68 47.5	22	16	42	-68 3.1
	Δα = 794″	Δδ = 195′	22 16 25 -68 28.0				
	= 70.8 mm	= 25.5					
25	22 8 13	-68 28.4					
	22 8 15	-68 28.4					
	22 8 14	-68 28.4		22	16	00	-67 59.0
26	22 8 25	-68 28.0					
	22 8 27	-68 28.0					
	22 8 26	-68 28.0		22	16	12	-67 58.5
318	22 16 3	-68 28.4					
neb?	22 16 5	-68 28.4					
	22 16 4	-68 28.4		22	23	40	-67 59.3
21	22 11 43	-65 28.8	-65 4022				
	22 11 43	-65 28.9	-65 4017				
	22 11 43	-65 28.8	22 13 17 -65 44.1	22	19	05	-64 59.0
	Δα = 129″	Δδ = 40.7′	22 11 8 -65 3.4				
	= 16.5 mm	= 40.0 mm					

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NEB.

		α	δ	Comp Stars	
22		22 12 15	−65 10.0		
		22 12 14	−65 10.0		
54.5		22 12 14	−65 10.0		22 19 35 −64 40.2
27		22 6 29	−69 52.7	−70 2903	
		22 6 31	−69 52.7	−69 3234	
		22 6 30	−69 52.7	22 5 4 −70 10.7	22 14 28 −69 23.4
		Δα = 683"	Δδ = 43.6'	22 16 27 −69 27.1	
3.1		= 56.5	= 48.5mm		
28		22 7 5	−69 44.1		
		22 7 5	−69 44.2		
		22 7 5	−69 44.2		22 15 02 −69 14.9
59.0	29	22 7 17	−69 41.4		
		22 7 17	−69 41.5		
		22 7 17	−69 41.4		22 15 14 −69 12.1
58.5	34	22 8 5	−69 40.5		
		22 8 6	−69 40.6		
		22 8 6	−69 40.6		22 16 01 −69 11.2
59.5	35	22 8 29	−69 45.5		
		22 8 31	−69 45.6		
		22 8 30	−69 45.6		22 16 24 −69 16.2
59.0	36	22 8 54	−69 40.5		
		22 8 54	−69 40.6		
		22 8 54	−69 40.6		22 16 47 −69 11.1

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NEB.

	α	δ	COMP. STARS	
46	22 11 36	-69 38.7		
	22 11 37	-69 38.8		
	22 11 36	-69 38.8		22 19 26 -69 9.1
37	22 11 26	-68 19.8	-68 3488	
	22 11 26	-68 19.7	-67 3877	
	22 11 26	-68 19.8	22 16 25 -68 26.0	22 19 08 -67 50.1
	Δα = 363"	Δδ = 46.4'	22 10 22 -67 41.6	
	= 37.0mm	= 45.0mm		
313	22 12 54	-67 51.4		
	22 12 54	-67 51.4		
	22 12 54	-67 51.4		22 20 14 -67 21.6
31	22 12 49	-66 35.1	-67 3896	
	22 12 49	-66 35.1	-66 3650	
	22 12 49	-66 35.1	22 21 41 -67 19.6	22 20 26 -66 6.1
	Δα = 547"	Δδ = 49.7'	22 12 34 -66 29.9	
	= 56.5mm	= 47.5mm		
88	22 13 7	-67 8.1		
	22 13 8	-67 8.2		
	22 13 8	-67 8.2		22 20 40 -66 39.1
89	22 14 10	-66 36.1		
	22 14 11	-66 36.2		
	22 14 10	-66 36.2		22 21 33 -66 6.2
315	22 14 35	-66 53.4		
	22 14 35	-66 53.4		
	22 14 35	-66 53.4		22 21 57 -66 23.4

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	NEB	α			δ			Comp. Stars								
	40	22	14	49	−66	31.5		22	21	41	−67	19.6				
		22	14	50	−66	31.5		22	12	34	−66	28.9				
9.1		22	14	50	−66	31.5							22	22	12	−66	1.5
	52	22	14	54	−67	14.4										
		22	14	55	−67	14.4										
50.1		22	14	54	−67	14.4							22	22	24	−66	44.4
	53	22	15	8	−67	11.8										
		22	15	9	−67	11.9										
		22	15	8	−67	11.8							22	22	38	−66	41.8
21.6	56	22	16	50	−67	18.6										
		22	16	51	−67	18.5										
		22	16	50	−67	18.6							22	24	18	−66	48.5
6.1	57	22	17	24	−66	56.6		22	21	41	−67	19.6				
		22	17	25	−66	56.6		22	12	34	−66	29.9				
		22	17	24	−66	56.6							22	24	43	−66	26.4
	58	22	17	29	−67	12.3										
		22	17	30	−67	12.4										
39.1		22	17	30	−67	12.4							22	24	57	−66	42.2
	59	22	17	44	−66	41.9										
		22	17	44	−66	41.9										
62		22	17	44	−66	41.9							22	25	03	−66	11.7
	60	22	18	7	−67	8.6										
		22	18	9	−67	8.6										
23.4		22	18	8	−67	8.6							22	25	34	−66	38.4

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NEB.

	α	δ	COMP. STARS		
61	22 18 22	-67 9.1	22 21 41 -67 19.6		
	22 18 23	-67 9.2	22 12 34 -66 29.9		
	22 18 22	-67 9.2		22 25 48	-66 39.0
62	22 18 51	-67 9.1			
	22 18 52	-67 9.2			
	22 18 52	-67 9.2		22 26 17	-66 38.9
103	22 19 59	-67 7.6			
	22 19 59	-67 7.6			
	22 19 59	-67 7.6		22 27 23	-66 37.2
104	22 20 19	-67 4.9			
	22 20 19	-67 5.0			
	22 20 19	-67 5.0		22 27 43	-66 34.6
105	22 20 19	-66 53.7	22 21 41 -67 19.6		
	22 20 19	-66 53.5	22 12 34 -66 29.9		
	22 20 19	-66 53.4		22 27 35	-66 23.0
106	22 20 16	-66 48.7			
	22 20 16	-66 48.6			
	22 20 16	-66 48.6		22 27 32	-66 18.2
114	22 21 12	-66 50.3			
	22 21 13	-66 50.3			
	22 21 12	-66 50.3		22 28 26	-66 19.9

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NEB.	α			δ		COMP STARS						
115	22	21	17	-66	54.0	22	21	41	-67	19.6		
	22	21	18	-66	54.0	22	12	34	-66	29.9		
	22	21	18	-66	54.0						22 28 32	-66 23.6
116	22	21	2	-66	56.0							
	22	21	4	-66	56.1							
	22	21	3	-66	56.0						22 28 18	-66 25.6
117	22	21	31	-66	50.3							
	22	21	32	-66	50.3							
	22	21	32	-66	50.3						22 28 46	-66 19.8
118	22	21	12	-67	8.6	22	21	41	-67	19.6		
	22	21	13	-67	8.7	22	12	34	-66	29.9		
	22	21	12	-67	8.6						22 28 35	-66 38.2
119	22	20	52	-67	10.7							
	22	20	54	-67	10.7							
	22	20	53	-67	10.7						22 28 26	-66 40.3
120	22	21	7	-67	10.7							
	22	21	8	-67	10.7							
	22	21	8	-67	10.7						22 28 31	-66 40.3
121	22	21	7	-67	11.2							
	22	21	8	-67	11.3							
	22	21	8	-67	11.3						22 28 31	-66 40.9
122	22	20	43	-67	15.4							
neb?	22	20	44	-67	15.4							
	22	20	44	-67	15.4						22 28 07	-66 45.0

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NEB.

	α	δ	COMP. STARS
32	22 12 39	−65 51.7	−66 3639
	22 12 39	−65 51.7	−65 4022
	22 12 39	−65 51.7	22 6 8 −65 58.3
	Δα = 42.9″	Δ δ = 14.2′	22 13 17 −65 44.1
	= 42.8 mm	= 17.8 mm	
33	22 13 47	−66 18.8	−66 3677
	22 13 48	−66 10.9	−65 4022
	22 13 48	−66 10.8	22 24 22 −66 27.3
	Δα = 66.5″	Δ δ = 43.2′	22 13 17 −65 44.1
	= 69.8 mm	= 40.8 mm	
41	22 15 4	−66 19.8	
	22 15 5	−66 19.9	
	22 15 4	−66 19.8	
42	22 15 57	−65 59.8	
	22 15 57	−65 59.8	
	22 15 57	−65 59.8	
43	22 16 7	−65 58.7	
	22 16 6	−65 58.7	
	22 16 6	−65 58.7	
44	22 16 17	−66 9.3	
	22 16 16	−66 9.3	
	22 16 16	−66 9.3	

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A 14219

NEB.	α	δ	COMP. STARS
45	22 16 50	-65 47.1	22 24 22 -66 27.3
	22 16 49	-65 47.1	22 13 17 -65 44.1
	22 16 50	-65 47.1	
54	22 18 11	-65 53.9	
neb?	22 18 11	-65 53.9	
	22 18 11	-65 53.9	
64	22 19 22	-65 57.7	
	22 19 21	-65 57.6	
	22 19 22	-65 57.6	
65	22 19 36	-65 51.3	
	22 19 35	-65 51.3	
	22 19 36	-65 51.3	
108	22 20 48	-66 19.9	
	22 20 47	-66 19.9	
	22 20 48	-66 19.9	
109	22 21 55	-65 57.1	
	22 21 54	-65 57.1	
	22 21 54	-65 57.1	
116	22 22 27	-65 57.1	
	22 22 27	-65 57.1	
	22 22 27	-65 57.1	

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NEB.

	α	δ	Comp. Stars
63	22 19 16	-65 32.6	-65 4022
	22 19 16	-65 32.5	-65 4047
	22 19 16	-65 32.6	22 13 17 -65 44.1
	Δα = 5.04"	Δδ = 38.4	22 21 41 -65 5.7
	= 50.5 mm	= 41.5	
66	22 19 9	-65 12.6	
	22 19 9	-65 12.7	
	22 19 9	-65 12.6	
67	22 19 11	-65 11.2	
	22 19 11	-65 11.3	
	22 19 11	-65 11.2	
67a	22 19 56	-65 14.5	
	22 19 56	-65 14.5	
	22 19 56	-65 14.5	
68	22 19 46	-65 8.5	
	22 19 46	-65 8.5	
	22 19 46	-65 8.5	
50	22 13 43	-67 30.6	-67 3879
	22 13 45	-67 30.6	-67 3896
	22 13 44	-67 30.6	22 10 22 -67 41.6
	Δα = 6.79"	Δδ = 22.0	22 21 41 -67 19.6
	= 64.0 mm	= 25.6 mm	

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NEB.	α			δ		Comp. Stars				
51	22	13	54	-67	22.4	22	10	22	-67	41.6
	22	13	55	-67	22.4	22	21	41	-67	19.6
	22	13	54	-67	22.4					
314	22	14	26	-67	37.9					
	22	14	26	-67	37.9					
	22	14	26	-67	37.9					
55	22	15	40	-67	23.3					
	22	15	41	-67	23.3					
	22	15	40	-67	23.3					
73	22	18	8	-67	39.2					
	22	18	9	-67	39.2					
	22	18	8	-67	39.2					
74	22	18	57	-67	38.3					
	22	18	57	-67	38.3					
	22	18	57	-67	38.3					
101	22	19	59	-67	27.1					
	22	19	59	-67	27.1					
	22	19	59	-67	27.1					
102	22	20	22	-67	31.3					
	22	20	21	-67	31.4					
	22	20	22	-67	31.4					

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H 14219

NEB.

	α	δ	Comp. Stars
46	22 10 14	−69 4.4	−69 3223
	22 10 15	−69 4.3	−68 3488
	22 10 14	−69 4.4	22 7 39 −69 14.9
	Δα = 526″	Δδ = 48.9′	22 16 25 −68 28.0
	= 44.0 mm	= 52.8 mm	
47	22 10 39	−68 53.8	
	22 10 39	−68 53.7	
	22 10 39	−68 53.8	
49	22 15 14	−69 3.5	
	22 15 13	−69 3.4	
	22 15 14	−69 3.6	
317	22 16 53	−68 15.8	−68 3496
	22 16 52	−68 15.9	−67 3879
	22 16 52	−68 15.8	22 22 31 −68 39.2
	Δα = 729″	Δδ = 57.6′	22 10 22 −67 41.6
	= 71.0 mm	= 94.3 mm	
71	22 17 54	−68 9.7	
	22 17 52	−68 9.8	
	22 17 52	−68 9.8	
72	22 17 54	−68 1.0	
	22 17 52	−68 1.0	
	22 17 53	−68 1.0	

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H14219

Neb.	α	δ	Comp. Stars
97	22 18 56	-68 26.5	22 22 31 -68 39.2
	22 18 54	-68 26.6	22 10 22 -67 41.6
	22 18 55	-68 26.6	
98	22 19 17	-68 7.8	
neb?	22 19 16	-68 8.0	
	22 19 16	-68 7.9	
99	22 19 32	-68 10.7	
	22 19 31	-68 10.8	
	22 19 32	-68 10.8	
100	22 19 57	-67 43.6	
	22 19 56	-67 43.5	
	22 19 56	-67 43.6	22 22 31 -68 39.2
			22 10 22 -67 41.6
123	22 20 28	-67 51.4	
	22 20 27	-67 51.5	
	22 20 28	-67 51.4	
124	22 21 30	-67 42.9	
	22 21 28	-67 43.0	
	22 21 29	-67 43.0	
125	22 22 21	-67 43.5	
	22 22 21	-67 43.5	
	22 22 21	-67 43.5	

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H 14219
NEB.

	α			δ		Comp. Stars					
126	22	22	21	−67	52.0	22	22	31	−68	39.2	
	22	22	21	−67	52.0	22	10	22	−67	41.6	
	22	22	21	−67	52.0						
127	22	22	10	−67	57.8						
	22	22	10	−67	57.8						
	22	22	10	−67	57.8						
128	22	22	21	−68	2.0						
	22	22	21	−68	2.1						
	22	22	21	−68	2.0						
129	22	22	0	−68	4.2						
	22	22	7	−68	4.2						
	22	22	6	−68	4.2						
130	22	21	35	−68	4.4						
	22	21	32	−68	4.4						
	22	21	34	−68	4.4						
131	22	21	4	−68	20.6						
	22	21	12	−68	20.6						
	22	21	3	−68	20.6						
70	22	17	56	−68	42.9	−69	3241				
	22	17	56	−68	42.8	−68	3488				
	22	17	56	−68	42.8	22	23	54	−69	11.5	
	Δα = 449″			Δδ = 43.5′		22	16	25	−68	28.0	
	= 42.0 mm			= 42.5 mm							

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H 14219

NEB.	α	δ	COMP. STHRS
95	22 18 55	-68 49.5	22 23 54 -69 11.5
	22 18 54	-68 49.5	22 16 25 -68 27.6
	22 18 54	-68 49.5	
96	22 19 16	-68 45.4	
	22 19 16	-68 45.4	
	22 19 16	-68 45.4	
132	22 21 51	-68 44.3	
	22 21 51	-68 44.4	
	22 21 51	-68 44.4	
133	22 22 2	-68 47.4	
	22 22 0	-68 47.4	
	22 22 1	-68 47.4	
69	22 16 19	-70 43.9	-70 2922
	22 16 19	-70 43.9	-69 3241
	22 16 19	-70 43.9	22 14 16 -70 9.4
	Δα = 578″	Δδ = 57.9′	22 23 54 -69 11.5
	= 47.0 mm	= 60.8 mm	
75	22 17 14	-69 48.7	
	22 17 13	-69 48.6	
	22 17 14	-69 48.6	
76	22 18 3	-70 43.4	
	22 18 4	-70 43.4	
	22 18 4	-70 43.4	

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R 14219

NEB.	α		δ		COMP. STARS			
79	22	17 27	−69	16.4	22	14 16	−70	9.4
	22	17 27	−69	16.2	22	23 54	−69	11.5
	22	17 27	−69	16.3				
80	22	18 46	−69	16.4				
	22	18 47	−69	16.2				
	22	18 46	−69	16.3				
81	22	20 0	−69	15.4				
neb?	22	20 1	−69	15.3				
	22	20 0	−69	15.4				
82	22	19 42	−69	20.6				
	22	19 42	−69	20.5				
	22	19 42	−69	20.6				
83	22	20 12	−69	19.6	22	14 16	−70	9.4
	22	20 13	−69	19.6	22	23 54	−69	11.5
	22	20 12	−69	19.6				
84	22	19 29	−69	28.2				
	22	19 30	−69	28.2				
	22	19 30	−69	28.2				
85	22	19 23	−69	30.6				
	22	19 24	−69	30.5				
	22	19 24	−69	30.6				

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A1421 9
NED.

	α	δ	Comp. Stars
86	22 19 36	-69 31.4	22 14 16 -70 9.4
	22 19 36	-69 31.5	22 23 54 -69 11.5
	22 19 36	-69 31.4	
87	22 19 29	-69 35.4	
	22 19 30	-69 35.3	
	22 19 30	-69 35.4	
88	22 19 36	-69 35.9	
	22 19 36	-69 35.8	
	22 19 36	-69 35.8	
89	22 20 12	-69 32.1	
	22 20 13	-69 32.0	
	22 20 12	-69 32.0	
90	22 20 12	-69 33.4	22 14 16 -70 9.4
	22 20 13	-69 33.4	22 23 54 -69 11.5
	22 20 12	-69 33.4	
91	22 20 10	-69 26.4	
	22 20 10	-69 26.2	
	22 20 10	-69 26.3	
92	22 20 12	-69 25.4	
	22 20 13	-69 25.3	
	22 20 12	-69 25.4	
93	22 20 0	-69 34.9	
	22 20 1	-69 34.8	
	22 20 0	-69 34.8	

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A 14219

NEB.

	α			δ		Comp. Stars				
94	22	21	1	-69	27.7	22	14	16	-70	9.4
	22	21	2	-69	27.7	22	23	54	-69	11.5
	22	21	2	-69	27.7					
148	22	22	54	-69	20.6					
	22	22	53	-69	20.6					
	22	22	54	-69	20.6					
149	22	23	47	-69	24.9					
	22	23	48	-69	24.8					
	22	23	48	-69	24.8					
150	22	23	4	-69	57.2					
	22	23	4	-69	57.1					
	22	23	4	-69	57.2					
151	22	23	47	-69	48.2					
	22	23	48	-69	48.3					
	22	23	48	-69	48.2					
77	22	17	6	-70	18.7	-70	2935			
	22	17	5	-70	18.7	-70	2922			
	22	17	6	-70	18.7	22	22	44	-70	28.5
	Δα = 508"			Δ δ = 19.1'		22	14	16	-70	9.4
	= 43.5 mm			= 17.5 mm						
78	22	17	58	-70	12.7					
	22	17	58	-70	12.7					
	22	17	58	-70	12.7					

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H 14219

NEB.	α	δ	COMP STARS
107	22 19 44	-66 28.5	-66 3650
	22 19 44	-66 28.6	-66 7677
	22 19 44	-66 28.6	22 12 34 -66 29.9
	Δα = 708'	Δδ = 2.6'	22 24 22 -66 27.3
	= 70.8 mm	= 6.0 mm	
111	22 22 15	-65 35.9	-65 4067
	22 22 14	-65 35.9	-65 4047
	22 22 14	-65 35.9	22 29 30 -65 43.9
	Δα = 469"	Δδ = 38.2'	22 21 41 -65 5.7
	= 50.0 mm	= 38.0 mm	
112	22 23 10	-65 41.9	
	22 23 10	-65 41.9	
	22 23 10	-65 41.9	
113	22 23 43	-65 23.3	
	22 23 43	-65 23.3	
	22 23 43	-65 23.3	
143	22 26 41	-65 12.7	
	22 26 41	-65 12.7	
	22 26 41	-65 12.7	

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1930phae.proj.233M

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A 14219

NEB.	α	δ	COMP. STARS
134	22 27 32	−66 43.3	−67 3914
	22 24 32	−66 43.3	−66 3677
	22 24 32	−66 43.3	22 34 10 −67 5.6
	Δα = 588″	Δδ = 38.3′	22 24 22 −66 27.3
	= 58.0 mm	= 38.3 mm	
135	22 24 34	−66 43.1	
	22 24 34	−66 43.1	
	22 24 34	−66 43.1	
136	22 24 22	−67 6.3	
	22 24 22	−67 6.3	
	22 24 22	−67 6.3	
137	22 25 48	−66 30.1	
	22 25 48	−66 30.1	
	22 25 48	−66 30.1	
138	22 26 9	−66 51.8	
	22 26 7	−66 51.8	
	22 26 8	−66 51.8	
196	22 29 46	−66 29.3	
	22 29 46	−66 29.3	
	22 29 46	−66 29.3	
198	22 30 39	−66 46.3	
	22 30 39	−66 46.3	
	22 30 39	−66 46.3	

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H 14219

NEB.	α	δ	COMP. STARS
208	22 31 43	-66 58.3	22 34 10 -67 3.6
	22 31 43	-66 58.3	22 24 22 -66 27.3
	22 31 43	-66 58.3	
139	22 23 44	-67 36.0	-68 3505
	22 23 44	-67 36.0	-67 3896
	22 23 44	-67 36.0	22 26 2 -68 25.6
	Δα = 261″ = 26.5mm	Δδ = 66.0′ = 65.8mm	22 21 41 -67 19.6
140	22 24 9	-68 3.0	
	22 24 9	-68 3.0	
	22 24 9	-68 3.0	
141	22 24 23	-67 58.5	
	22 24 23	-67 58.5	
	22 24 23	-67 58.5	
142	22 25 8	-67 55.5	
	22 25 8	-67 55.5	
	22 25 8	-67 55.5	
153	22 24 44	-69 42.6	-69 3248
neb?	22 24 44	-69 42.6	-69 3241
	22 24 44	-69 42.6	22 30 32 -69 48.1
	Δα = 398″ = 36.0mm	Δδ = 36.6′ = -36.6mm	22 23 54 -69 11.5

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A14219
NEB.

	α	δ	Comp. Stars
154	22 25 22	-69 44.1	22 30 32 -69 48.1
	22 25 22	-69 44.1	22 28 54 -69 11.5
	22 25 22	-69 44.1	
155	22 26 1	-69 22.1	
	22 26 1	-69 22.1	
	22 26 1	-69 22.1	
174	22 27 19	-69 23.1	
	22 27 19	-69 23.1	
	22 27 19	-69 23.1	
175	22 28 14	-69 33.1	
	22 28 14	-69 33.1	
	22 28 14	-69 33.1	
176	22 29 15	-69 26.1	
	22 29 14	-69 26.1	
	22 29 14	-69 26.1	
187	22 29 20	-69 40.1	
	22 29 19	-69 40.1	
	22 29 20	-69 40.1	
188	22 29 26	-69 37.6	
	22 29 26	-69 37.6	
	22 29 26	-69 37.6	
189	22 29 37	-69 42.6	
	22 29 37	-69 42.6	
	22 29 37	-69 42.6	

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1930phae.proj.2350M

H14219

NEB.	α	δ	COMP. STARS
144	22 25 27	-68 32.6	-69 3241
	22 25 27	-68 32.5	-68 3505
	22 25 27	-68 32.6	22 23 54 -69 11.5
	Δα = 128"	Δ δ = 45.9'	22 26 2 -68 25.6
	= 11.0mm	= 46.5mm	
145	22 24 11	-68 58.2	
	22 24 11	-68 58.1	
	22 24 11	-68 58.2	
146	22 24 46	-68 58.0	
	22 24 46	-68 57.9	
	22 24 46	-68 58.0	
147	22 24 17	-69 2.1	
	22 24 17	-69 2.0	
	22 24 17	-69 2.0	
152	22 24 3	-70 2.5	-70 2950
	22 24 2	-70 2.5	-70 2932
	22 24 2	-70 2.5	22 34 3 -70 23.3
	Δα = 735"	Δ δ = 26.4'	22 21 48 -69 56.9
	= 63.0mm	= 26.0mm	
156	22 25 53	-70 0.0	
	22 25 53	-70 0.0	
	22 25 53	-70 0.0	

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A 14219
NEB.

	α	δ		COMP. STARS
177	22 27 19	-70	6.6	22 34 3 -70 23.3
	22 27 20	-70	6.5	22 21 48 -69 56.9
	22 27 20	-70	6.6	
178	22 28 7	-70	4.0	
	22 28 7	-70	4.0	
	22 28 7	-70	4.0	
179	22 27 45	-70	11.1	
	22 27 44	-70	11.1	
	22 27 44	-70	11.1	
180	22 28 32	-70	11.5	22 34 3 -70 23.3
	22 28 30	-70	11.5	22 21 48 -69 56.9
	22 28 31	-70	11.5	
181	22 29 17	-70	10.1	
	22 29 17	-70	10.1	
	22 29 17	-70	10.1	
182	22 29 23	-70	6.6	
	22 29 23	-70	6.5	
	22 29 23	-70	6.6	
183	22 29 23	-70	16.7	
	22 29 23	-70	16.7	
	22 29 23	-70	16.7	

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1030phae.proj.ezm

A 14219

NEB.	α	δ	COMP. STARS
184	22 29 35	-70 23.3	22 34 3 -70 23.3
	22 29 34	-70 23.3	22 21 48 -69 56.9
	22 29 34	-70 23.3	
185	22 29 58	-70 20.7	
	22 29 58	-70 20.7	
	22 29 58	-70 20.7	
186	22 30 39	-70 18.2	
	22 30 38	-70 18.2	
	22 30 38	-70 18.2	
218	22 32 30	-70 0.0	
	22 32 29	-70 0.0	
	22 32 30	-70 0.0	
219	22 33 16	-70 17.2	
	22 33 16	-70 17.2	
	22 33 16	-70 17.2	
166	22 28 2	-66 11.4	-66 3677
	22 28 2	-66 11.3	-65 4067
	22 28 2	-66 11.4	22 24 22 -66 273
	Δα = 308″	Δδ = 43.4′	22 29 30 -65 43.9
	= 30.8 mm	= 44.0 mm	
167	22 28 12	-66 11.6	
	22 28 12	-66 11.6	
	22 28 12	-66 11.6	

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H 14219
NEB

	α			δ		Comp. Stars
168	22	28	32	-66	2.2	22 24 22 -66 27.3
	22	28	32	-66	2.1	22 29 30 -65 43.9
	22	28	32	-66	2.2	
169	22	28	42	-66	2.7	
	22	28	42	-66	2.6	
	22	28	42	-66	2.6	
170	22	28	37	-65	55.3	
	22	28	37	-65	55.3	
	22	28	37	-65	55.3	
171	22	29	17	-65	54.3	
	22	29	17	-65	54.2	
	22	29	17	-65	54.2	
172	22	29	2	-65	55.8	
	22	29	2	-65	55.7	
	22	29	2	-65	55.8	
173	22	29	12	-65	56.8	
	22	29	12	-65	56.7	
	22	29	12	-65	56.8	
157	22	26	49	-69	10.0	-69 3241
	22	26	49	-69	10.0	-68 3520
	22	26	49	-69	10.0	22 23 54 -69 11.5
	Δα = 790'			Δδ = 51.1'		22 37 4 -68 20.4
	= 72.0 mm			= 51.0 mm		

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H 14219

NEB.	α	δ	Comp. Stars
158.	22 27 55	-69 8.0	22 23 54 -69 11.5
	22 27 55	-68 8.0	22 37 4 -68 20.4
	22 27 55	-68 8.0	
159	22 27 22	-68 39.4	
	22 27 24	-68 39.4	
	22 27 23	-68 39.4	
160	22 28 39	-68 45.4	
	22 28 40	-68 45.4	
	22 28 40	-68 45.4	
161	22 28 39	-69 1.0	
	22 28 40	-69 1.0	
	22 28 40	-69 1.0	
163	22 29 1	-68 26.4	
	22 29 1	-68 26.4	
	22 29 1	-68 26.4	
164	22 30 5	-68 28.4	
	22 30 5	-68 28.4	
	22 30 5	-68 28.4	
191	22 30 29	-69 7.0	
	22 30 29	-69 7.0	
	22 30 29	-69 7.0	

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H 14219

NEB.	α	δ	COMP. STARS
192	22 31 19	-68 53.0	22 23 54 -69 11.5
	22 31 19	-68 53.0	22 37 4 -68 20.4
	22 31 19	-68 53.0	
193	22 31 34	-68 43.9	
not?	22 31 35	-68 43.9	
	22 31 34	-68 43.9	
216	22 33 46	-68 54.0	
	22 33 47	-68 54.0	
	22 33 46	-68 54.0	
227	22 37 4	-69 6.5	
	22 37 4	-69 6.5	
	22 37 4	-69 6.5	
228	22 28 51	-68 29.4	
	22 28 51	-68 29.4	
	22 28 51	-68 29.4	
162	22 29 0	-68 13.2	-68 3520
	22 29 1	-68 13.1	-67 3896
	22 29 0	-68 13.2	22 37 4 -68 20.4
	Δα = 923"	Δδ = 60.8'	22 21 41 -67 19.6
	= 87.8 mm	= 61.6 mm	
165	22 28 19	-67 35.7	
	22 28 19	-67 35.7	
	22 28 19	-67 35.7	

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H 14219

NEB.	α	δ	COMP. STARS
194	22 30 9	-67 57.0	22 37 4 -68 20.4
	22 30 10	-67 56.8	22 21. 41 -67 19.6
	22 30 10	**-67 56.9**	
195	22 30 14	-67 49.5	
neb?	22 30 13	-67 49.5	
	22 30 14	**-67 49.5**	
211	22 33 12	-67 53.0	
	22 33 13	-67 52.9	
	22 33 12	**-67 53.0**	
212	22 35 40	-67 24.9	
	22 35 40	-67 24.9	
	22 35 40	**-67 24.9**	
213	22 36 48	-67 32.8	
	22 36 47	-67 32.5	
	22 36 48	**-67 32.6**	
214	22 34 11	-68 16.2	
	22 34 11	-68 16.1	
	22 34 11	**-68 16.2**	
215	22 35 40	-68 11.7	
	22 35 40	-68 11.6	
	22 35 40	**-68 11.6**	

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FH219
NEB

	α	δ	Comp. Stars
197	22 30 41	-66 23.9	-66 3698
	22 30 41	-66 23.9	-65 4067
	22 30 41	-66 23.9	22 37 13 -66 45.1
	Δα = 463"	Δδ = 61.2'	22 29 30 -65 43.9
	= 46.0mm	= 62.0mm	
199	22 31 1	-66 1.6	
	22 31 1	-66 1.7	
	22 31 1	-66 1.6	
200	22 31 56	-65 55.7	
	22 31 56	-65 55.7	
	22 31 56	-65 55.7	
201	22 32 11	-66 8.5	
	22 32 11	-66 8.6	
	22 32 11	-66 8.6	
202	22 32 31	-66 13.0	
	22 32 31	-66 13.1	
	22 32 31	-66 13.0	
203	22 32 41	-65 55.7	
	22 32 41	-65 55.7	
	22 32 41	-65 55.7	
204	22 32 31	-66 25.3	
	22 32 31	-66 25.4	
	22 32 31	-66 25.4	

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#14219
NEB.

	α	δ	Comp. Stars
206	22 34 22	-65 49.9	22 37 13 -66 45.1
	22 34 22	-65 43.9	22 29 30 -65 43.9
	22 34 22	-65 43.9	
207	22 34 57	-65 49.3	
	22 34 57	-65 49.3	
	22 34 57	-65 49.3	
210	22 35 12	-66 36.2	
	22 35 12	-66 36.3	
	22 35 12	-66 36.2	
231	22 36 58	-66 2.6	
	22 36 58	-66 2.7	
	22 36 58	-66 2.6	
232	22 36 58	-65 51.2	
	22 36 58	-65 51.3	
	22 36 58	-65 51.2	
205	22 33 47	-65 42.3	-65 4067
	22 33 46	-65 42.3	-65 4086
	22 33 46	-65 42.3	22 29 30 -65 43.9
	Δα = 588"	Δδ = 13.3'	22 39 18 -65 30.6
	= 61.0 mm	= 12.5 mm	
233	22 37 12	-65 38.0	
	22 37 13	-65 38.1	
	22 37 12	-65 38.0	

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H 14219
NEB.

	α			δ		Comp Stars				
190	22	30	32	-69	17.7	-69	3248			
neb?	22	30	32	-69	17.7	-68	3531			
	22	30	32	-69	17.7	22	30	32	-69	48.1
	Δα = 653"			Δδ = 60.3'		22	41	25	-68	47.8
	= 59.0 mm			= 59.5 mm						
217	22	32	39	-69	24.8					
neb?	22	32	40	-69	24.7					
	22	32	40	-69	24.8					
220	22	33	18	-69	45.6					
	22	33	18	-69	45.4					
	22	33	18	-69	45.5					
221	22	33	57	-69	43.5					
	22	33	57	-69	43.5					
	22	33	57	-69	43.5					
223	22	35	0	-69	42.0					
	22	34	59	-69	42.0					
	22	35	0	-69	42.0					
224	22	35	31	-69	43.0					
	22	35	31	-69	43.0					
	22	35	31	-69	43.0					
225	22	34	13	-69	17.2					
	22	34	13	-69	17.2					
	22	34	13	-69	17.2					

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#14219

NEB.	α			δ		Comp. Stars				
226	22	35	42	-69	31.9	22	30	32	-69	48.1
	22	35	42	-69	31.9	22	41	25	-68	47.8
	22	35	42	-69	31.9					
244	22	37	44	-69	27.3					
	22	37	44	-69	27.3					
	22	37	44	-69	27.3					
246	22	38	56	-69	40.0					
	22	38	56	-69	39.9					
	22	38	56	-69	40.0					
247	22	39	7	-69	34.4					
	22	39	7	-69	34.4					
	22	39	7	-69	34.4					
248	22	39	22	-69	34.9					
	22	39	23	-69	34.9					
	22	39	22	-69	34.9					
249	22	39	46	-69	37.0					
	22	39	45	-69	36.9					
	22	39	46	-69	37.0					
250	22	40	2	-69	35.1					
	22	40	2	-69	35.1					
	22	40	2	-69	35.1					

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1930phae.proj.233PM

H 14219
NEB.

	α			δ		Comp. Stars				
251	22	39	22	-69	26.3	22	30	32	-69	46.1
neb?	22	39	23	-69	26.3	22	41	25	-68	47.8
	22	39	22	-69	26.3					
252	22	39	52	-69	26.8					
	22	39	51	-69	26.8					
	22	39	52	-69	26.8					
253	22	39	22	-69	16.2					
	22	39	23	-69	16.2					
	22	39	22	-69	16.2					
254	22	39	28	-69	15.2					
	22	39	29	-69	15.2					
	22	39	28	-69	15.2					
255	22	39	40	-69	19.7					
	22	39	40	-69	19.6					
	22	39	40	-69	19.6					
256	22	38	11	-68	57.5					
	22	38	11	-68	57.4					
	22	38	11	-68	57.4					
257	22	39	7	-69	46.1					
	22	39	7	-69	46.1					
	22	39	7	-69	46.1					

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H14219

NEB	α	δ	Comp. Stars
222	22 34 58	-69 51.3	-70 2960
	22 34 57	-69 51.3	-69 3248
	22 34 58	**-69 51.3**	22 39 46 -70 3.2
	Δα = 554?	Δδ = 15.1'	22 30 32 -69 48.1
	= 47.0mm	= 16.5mm	
245	22 37 42	-69 54.5	
	22 37 42	-69 54.5	
	22 37 42	**-69 54.5**	
229	22 37 50	-67 58.8	-68 3520
	22 37 50	-67 58.8	-67 3922
	22 37 50	**-67 58.8**	22 37 4 -68 20.4
	Δα = 314"	Δδ = 32.3'	22 42 18 -67 48.1
	= 30.5mm	= 31.8mm	
236	22 39 38	-67 53.7	
	22 39 38	-67 53.7	
	22 39 38	**-67 53.7**	
237	22 39 23	-68 3.3	
	22 39 23	-68 3.3	
	22 39 23	**-68 3.3**	
238	22 38 52	-68 19.6	
	22 38 52	-68 19.6	
	22 38 52	**-68 19.6**	

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A 14219
NEB.

	α	δ	Comp. Stars
234	22 37 49	-66 54.1	-67 3921
	22 37 49	-66 54.1	-66 3698
	22 37 49	**-66 54.1**	22 42 4 -66 55.4
	Δα = 291″	Δδ = 10.3′	22 37 13 -66 45.1
	= 28.5″	= 11.5 mm	
235	22 37 59	-66 54.5	
	22 37 59	-66 54.5	
	22 37 59	**-66 54.5**	
258	22 41 29	-69 50.1	-70 2960
	22 41 29	-69 50.0	-69 3274
	22 41 29	**-69 50.0**	22 39 46 -70 3.2
	Δα = 243″	Δδ = 33.1	22 43 49 -69 20.1
	= 22.5 mm	= 32.3 mm	
259	22 42 55	-69 57.1	
	22 42 55	-69 57.0	
	22 42 55	**-69 57.0**	
261	22 43 11	-70 1.7	
	22 43 11	-70 1.6	
	22 43 11	**-70 1.6**	
239	22 39 4	-68 26.6	-68 3531
	22 39 4	-68 26.6	-68 3520
	22 39 4	**-68 26.6**	22 41 25 -68 47.8
	Δα = 261″	Δδ = 27.4′	22 37 4 -68 20.4
	= 23.2 mm	= 28.5 mm	

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H 14219

NEB.	α	δ	COMP. STARS
240	22 39 49	-68 43.9	22 41 25 -68 47.8
neb?	22 39 49	-68 43.9	22 37 4 -68 20.4
	22 39 49	-68 43.9	
241	22 40 23	-68 37.7	
	22 40 23	-68 37.7	
	22 40 23	-68 37.7	
242	22 40 34	-68 36.8	
	22 40 34	-68 36.7	
	22 40 34	-68 36.8	
243	22 42 25	-68 34.4	-68 3531
	22 42 25	-68 34.4	-68 3539
	22 42 25	-68 34.4	22 41 25 -68 47.8
	Δα = 243″	Δ δ = 39.1′	22 45 28 -68 8.7
	= 24.3 mm	= 38.0 mm	
263	22 42 23	-66 32.4	-67 3921
	22 42 23	-66 32.3	-66 3726
	22 42 23	-66 32.4	22 42 4 -66 55.4
	Δα = 597″	Δ δ = 28.4′	22 52 1 -66 27.0
	= 61.0 mm	= 24.0 mm	
264	22 42 38	-66 27.0	
	22 42 37	-66 27.0	
	22 42 38	-66 27.0	

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A 14219
NEB.

	α			δ		Comp. Stars
265	22	42	26	-66	43.6	22 42 4 -66 55.4
	22	42	26	-66	43.5	22 52 1 -66 27.0
	22	42	26	-66	43.6	
266	22	42	41	-66	40.0	
	22	42	41	-66	40.0	
	22	42	41	-66	40.0	
284	22	45	25	-66	36.6	
	22	45	23	-66	36.5	
	22	45	24	-66	36.6	
285	22	46	24	-66	32.3	
	22	46	23	-66	32.3	
	22	46	24	-66	32.3	
286	22	48	21	-66	38.3	
	22	48	21	-66	38.2	
	22	48	21	-66	38.2	
291	22	50	54	-66	27.6	
	22	50	53	-66	27.6	
	22	50	54	-66	27.6	
262	22	43	23	-68	58.1	-69 3294
	22	43	21	-68	58.1	-68 3531
	22	43	22	-68	58.1	22 55 29 -69 2.0
	Δα = 844" = 74.8			Δ δ = 14.2' = 20.0 mm		22 41 25 -68 47.8

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A 14219

NEB.	α	δ	Comp. Stars
268	22 44 53	-68 58.1	22 55 29 -69 2.0
	22 44 51	-68 58.1	22 41 25 -68 47.8
	22 44 52	-68 58.1	
273	22 47 59	-68 56.0	
	22 47 57	-68 56.0	
	22 47 58	-68 56.0	
294	22 53 8	-68 53.8	
	22 53 9	-68 53.8	
	22 53 8	-68 53.8	
260	22 43 18	-70 6.6	-70 2974
	22 43 16	-70 6.6	-70 2960
	22 43 17	-70 6.6	22 49 20 -70 10.4
	Δα = 574"	Δδ = 7.2'	22 39 46 -70 8.2
	= 78.2mm	= 10.5mm	
267	22 42 50	-66 7.6	-66 3726
	22 42 50	-66 7.4	-65 4086
	22 42 50	-66 7.5	22 52 1 -66 27.0
	Δα = 763"	Δδ = 56.4'	22 39 18 -65 3a6
	= 74.0mm	= 62.0mm	
287	22 46 46	-65 46.6	
	22 46 46	-65 46.5	
	22 46 46	-65 46.6	

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#14219
NEB.

	α	δ	Comp. Stars
289	22 50 13	-65 56.6	22 52 1 -66 27.0
	22 50 13	-65 56.5	22 39 18 -65 30.6
	22 50 13	-65 56.6	
290	22 50 44	-66 9.8	
	22 50 43	-66 9.6	
	22 50 44	-66 9.7	
301	22 52 1	-65 48.4	
	22 52 0	-65 48.3	
	22 52 0	-65 48.4	
288	22 47 11	-65 23.6	-65 4090
	22 47 11	-65 23.5	-65 4097
	22 47 11	-65 23.6	22 46 13 -65 26.2
	Δα = 204"	Δδ = 24.1'	22 49 37 -65 2.1
	= 23.0mm	= 23.0	
269	22 44 51	-69 40.3	-70 2974
mb?	22 44 52	-69 40.3	-69 3274
	22 44 52	-69 40.3	22 49 20 -70 10.4
	Δα = 331"	Δδ = 40.3'	22 43 49 -69 30.1
	= 25.8mm	= 42.8mm	
270	22 45 4	-69 44.5	
	22 45 9	-69 44.5	
	22 45 4	-69 44.5	

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1930phae.proj.230M

A 14219

NEB.

	α	δ	Comp. Stars
271	22 46 59	-69 40.3	22 49 20 -70 10.4
neb?	22 46 59	-69 40.2	22 43 49 -69 30.1
	22 46 59	**-69 40.2**	
275	22 48 3	-69 56.8	
	22 48 3	-69 56.7	
	22 48 3	**-69 56.8**	
272	22 46 17	-69 19.9	-69 3274
	22 46 17	-69 19.9	-69 3294
	22 46 17	**-69 19.9**	22 43 49 -69 20.1
	Δα = 700″	Δδ = 28.1′	22 55 29 -69 2.0
	= 64.0 mm	= 23.5 mm	
274	22 48 6	-69 24.1	
	22 48 6	-69 24.1	
	22 48 6	**-69 24.1**	
280	22 47 13	-67 25.7	-67 3922
	22 47 13	-67 25.7	-67 3930
	22 47 13	**-67 25.7**	22 42 18 -67 48.1
	Δα = 705″	Δδ = 27.4′	22 49 3 -67 20.7
	= 40.5 mm	= 24.8 mm	
281	22 47 23	-67 32.8	
	22 47 23	-67 32.8	
	22 47 23	**-67 32.8**	

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H14219
NEB.

	α	δ	Comp. Stars
282	22 47 38	-67 10.1	-67 3930
	22 47 36	-67 10.0	-67 3921
	22 47 37	-67 10.0	22 49 3 -67 20.7
	Δα = 419	Δδ = 25.3'	22 42 4 -66 55.4
	= 39.0 mm	= 28.5 mm	
283	22 48 42	-67 7.4	
	22 48 41	-67 7.4	
	22 48 42	-67 7.4	
319	22 45 55	-67 58.7	-68 3539
	22 45 55	-67 58.7	-67 3930
	22 45 55	-67 58.7	22 45 28 -68 8.7
	Δα = 215"	Δδ = 48.0'	22 49 3 -67 20.7
	= 23.8 mm	= 46.8 mm	
277	22 48 19	-68 31.7	-69 3294
	22 48 21	-68 31.9	-68 3539
	22 48 20	-68 31.7	22 55 29 -69 2.0
	Δα = 601"	Δδ = 53.3'	22 45 28 -68 8.7
	= 50.5 mm	= 58.0 mm	
278	22 48 34	-68 33.1	
	22 48 35	-68 33.0	
	22 48 34	-68 33.0	
279	22 48 32	-68 31.9	
	22 48 33	-68 31.8	
	22 48 32	-68 31.8	

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1930phae.proj:2330M

#14219

NEB.	α	δ	COMP. STARS
292	22 50 19	-68 42.7	22 55 29 -69 2.0
	22 50 20	-68 42.7	22 45 28 -68 8.7
	22 50 20	-68 42.7	
293	22 51 25	-68 35.8	
	22 51 26	-68 35.8	
	22 51 26	-68 35.8	
295	22 53 48	-68 41.8	
nb?	22 53 48	-68 41.7	
	22 53 48	-68 41.8	
300	22 53 18	-68 11.5	
nb?	22 53 18	-68 11.5	
	22 53 18	-68 11.5	
276	22 50 24	-69 44.9	-70 2974
	22 50 24	-69 44.9	-69 3296
	22 50 24	-69 44.9	22 49 20 -70 10.4
	Δα = 458"	Δ δ = 35.2'	22 56 58 -69 35.2
	= 43.0 mm	= 31.8 min	
296	22 52 43	-69 59.3	
	22 52 43	-69 59.3	
	22 52 43	-69 59.3	
297	22 53 20	-69 49.4	
	22 53 20	-69 49.4	
	22 53 20	-69 49.4	

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1930phae.proj.231M

78

H14219
NEB.

	α	δ	Comp. Stars
298	22 44 24	−69 49.4	22 49 20 −70 10.4
	22 44 24	−69 49.4	22 56 58 −69 35.2
	22 44 24	−69 49.4	
299	22 54 29	−69 53.8	
	22 54 30	−69 53.8	
	22 54 30	−69 53.8	
305	22 55 59	−69 3.0	−69 3296
	22 55 59	−69 3.0	−69 3294
	22 55 59	−69 3.0	22 56 58 −69 35.2
	Δα = 89″	Δδ = 39.2′	22 55 29 −69 2.0
	= 4.5mm	= 34.5mm	
306	22 56 19	−69 2.5	
	22 56 18	−69 2.5	
	22 56 18	−69 2.5	
302	22 53 1	−66 43.0	−67 3942
	22 53 1	−66 42.9	−66 3726
	22 53 1	−66 43.0	22 59 58 −66 57.2
	Δα = 477″	Δδ = 30.2′	22 52 1 −66 27.0
	= 44.0mm	= 35.0mm	
303	22 53 1	−66 44.7	
	22 53 1	−66 44.7	
	22 53 1	−66 44.7	

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H 14219
NEB

	α	δ	Comp. Stars
304	22 54 50	-67 43.6	-68 3553
	22 54 50	-67 43.6	-67 3942
	22 54 50	-67 43.6	22 53 54 -68 2.9
	Δα = 364"	Δδ = 65.1'	22 59 58 -66 57.2
	= 42.0mm	= 623mm	
307	22 56 56	-67 48.1	
	22 56 56	-67 48.3	
	22 56 56	-67 48.4	
308	22 57 9	-67 22.0	
	22 57 9	-67 22.0	
	22 57 9	-67 22.0	
309	22 58 14	-67 12.4	
	22 58 14	-67 12.5	
	22 58 14	-67 12.4	
310	22 58 19	-67 32.5	
	22 58 18	-67 32.5	
	22 58 18	-67 32.5	
311	23 0 18	-68 51.8	-69 3296
	22 0 18	-68 51.7	-68 3562
	22 0 18	-68 51.8	22 56 58 -69 35.2
	Δα = 478"	Δδ = 52.4'	23 4 56 -68 428
	= 49.0mm	= 47.0mm	
312	22 2 50	-69 7.4	
	22 2 49	-69 7.3	
	22 2 50	-69 7.4	

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1930phae.proj.233M

80

A 13087

NEB.

A 13087

	α	δ	Comp. Stars
1	19 47 19	-26 41.9	-27 14366
	19 47 20	-26 41.9	-26 14639
	19 47 20	-26 41.9	19 48 4 -26 57.4
	Δα = 102″	Δ δ = 8.7′	19 49 46 -26 48.7
	= 23.8 mm	= 8.7 mm	
Star 2	19 49 4	-23 32.9	-23 15820
	19 49 3	-23 32.9	-22 14380
	19 49 4	-23 32.9	19 47 32 -23 39.2
	Δα = 312″	Δ δ = 45.4′	19 5244 -22 53.8
	= 71.3 mm	= 47.0	
4	19 52 4	-23 12.7	
	19 52 3	-23 12.6	
	19 52 4	-23 12.6	
3 neb?	19 50 3	-24 57.2	-25 14477
	19 50 3	-24 57.2	-24 15680
	19 50 3	-24 57.2	19 52 44 -25 12.2
	Δα = 205″	Δ δ = 58.5′	19 49 19 -24 13.7
	= 47.0 mm	= 58.5 mm	
5 neb?	19 51 47	-24 33.2	
	19 51 47	-24 33.2	
Star	19 51 47	-24 33.2	

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1930phae.proj.2800M

A 13087

NEB.	α	δ	COMP. STARS
6	19 57 47	−26 44.3	−26 14747
(no check	19 57 47	−26 44.3	−26 14759
plate)	19 57 47	−26 44.3	19 57 9 −26 34.8
	Δα = 78″.	Δδ = 11.6′	19 58 27 −26 43.2
	= 17.5 mm	= 11.0 mm	
7	20 2 29	−25 45.2	−25 14584
double	20 2 28	−25 45.2	−25 14561
nebula	20 2 28	−25 45.2	20 3 35 −25 49.5
(no check plate)	Δα = 141″	Δδ = 8.1′	20 1 14 −25 41.4
	= 31.8 mm	= 9.5 mm	

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1930phae.proj.2301M

82

A 14282

A 14282
NEB.

	α			δ		Comp. Stars				
28	3	2	99	-78	28.2		-78	90		
	3	2	40	-78	28.2		-78	84		
	3	2	40	-78	28.2	3	14	59	-78	41.3
	Δα = 817″			Δδ = 27.4		3	1	22	-78	13.9
	= 36.5 mm			= 24.0 mm						
29	3	3	4	-78	39.0					
	3	3	3	-78	39.0					
	3	3	4	-78	39.0					
17	3	14	27	-76	32.8		-77	132		
	3	14	27	-76	32.8		-76	233		
	3	14	27	-76	32.8	3	8	35	-77	8.6
	Δα = 796″			Δδ = 55.0′		3	21	51	-76	13.6
	= 35.0 mm			= 63.0 mm						
16	3	14	39	-76	31.8					
	3	14	39	-76	31.9					
	3	14	39	-76	31.8					
21	3	15	47	-77	2.5					
	3	15	47	-77	2.6					
	3	15	47	-77	2.6					
20	3	17	41	-77	0.7					
	3	17	41	-77	0.7					
	3	17	41	-77	0.7					

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H 14282
NEB

	α	δ	Comp. Stars
a	3 17 13	-75 21.6	-76 233
	3 17 13	-75 21.7	-75 220
	3 17 13	-75 21.6	3 21 51 -76 13.6
	Δα = 568"	Δδ = 71.0	3 12 23 -75 2.6
	= 47.0mm	= 65.0mm	
8	3 33 12	-75 1.7	-75 238
	3 33 12	-75 1.7	-75 231
	3 33 12	-75 1.7	3 34 40 -75 28.0
	Δα = 728"	Δδ = 31.2'	3 22 32 -74 368
	= 50.0mm	= 25.5mm	
9	3 31 45	-75 23.1	
	3 31 45	-75 23.1	
	3 31 45	-75 23.1	
14	3 24 8	-76 32.4	-76 238
	3 24 9	-76 32.4	-76 233
	3 24 8	-76 32.4	3 30 36 -76 41.8
	Δα = 525"	Δδ = 28.2'	3 21 51 -76 13.6
	= 34.5	= 24.0mm	
13	3 28 4	-76 31.2	
	3 28 3	-76 31.2	
	3 28 4	-76 31.2	

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84

H14282

NEB.

	α	δ	Comp. Stars
18	3 20 58	-76 54.2	-77 132
	3 20 54	-76 54.2	-76 238
	3 20 56	-76 54.2	3 8 35 -77 8.6
	Δα = 1321″	Δδ = 26.8″	3 30 36 -76 41.8
	= 69.5 mm	= 39.0 mm	
19	3 20 55	-77 2.8	
	3 20 51	-77 2.8	
	3 20 53	-77 2.8	
15	3 24 0	-76 44.5	
	3 23 56	-76 44.5	
	3 23 58	-76 44.5	
22	3 28 55	-77 0.0	
	3 28 51	-77 0.0	
	3 28 53	-77 0.0	
195	3 17 11	-77 32.9	-78 92
	3 17 8	-77 32.9	-77 137
	3 17 10	-77 32.9	3 16 29 -77 56.2
	Δα = 1084″	Δδ = 30.0′	3 34 33 -77 26.2
	= 53.0 mm	= 38.0 mm	
10	3 23 43	-75 56.3	-76 233
	3 23 45	-75 56.4	-75 238
	3 23 44	-75 56.4	3 21 51 -76 13.6
	Δα = 769″	Δδ = 45.6′	3 34 40 -75 28.0
	= 41.0	= 51.5 mm	

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H 14282

Neb.	α	δ	Comp. Stars
5	3 32 36	-75 32.4	3 21 51 -76 13.6
	3 32 38	-75 32.5	3 34 40 -75 28.0
	3 32 37	-75 32.4	
6	3 32 0	-75 33.3	
	3 32 1	-75 33.3	
	3 32 0	-75 33.3	
7	3 32 0	-75 29.8	
	3 32 1	-75 29.8	
	3 32 0	-75 29.8	
23	3 32 54	-77 12.3	-77 137
	3 32 54	-77 12.2	-76 238
	3 32 54	-77 12.2	3 34 33 -77 26.2
	Δα = 237″	Δδ = 44.4′	3 30 36 -76 41.8
	= 18.0mm	= 43.0mm	
24	3 31 55	-77 18.5	
	3 31 55	-77 18.4	
	3 31 55	-77 18.4	
27	3 17 20	-78 23.0	-78 101
	3 17 19	-78 23.0	-78 91
	3 17 20	-78 23.0	3 33 35 -78 41.4
	Δα = 1039″	Δδ = 24.3′	3 16 16 -78 17.1
	= 58.0mm	= 16.5mm	
36	3 25 31	-78 30.3	
	3 25 31	-78 30.4	
	3 25 31	-78 30.4	

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H 14282

NEB.	α		δ		COMP. STARS
30	3 21	21	-78	40.5	-79 110
	3 21	16	-78	40.4	-78 91
	3 21	18	-78	40.4	3 41 13 -79 29.5
	Δα = 1497"		Δδ = 724'		3 16 16 -78 17.1
	= 82.5mm		= 39.9mm		
31	3 22	13	-78	50.3	
	3 22	8	-78	50.2	
	3 22	10	-78	50.2	
32	3 22	46	-78	54.0	
	3 22	44	-78	53.9	
	3 22	45	-78	54.0	
35	3 24	3	-78	40.5	
	3 23	58	-78	40.4	
	3 24	0	-78	40.4	
34	3 26	9	-78	44.1	
	3 26	3	-78	44.1	
	3 26	6	-78	44.1	
33	3 30	11	-78	55.8	
	3 30	8	-78	55.7	
	3 30	10	-78	55.8	

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A 14282

Neb.	α			δ			Comp. Stars				
49	3	30	19	-77	58.7		-78	101			
	3	30	19	-77	58.6		-78	92			
	3	30	19	-77	58.6		3	33	35	-78	41.4
	Δα = 1026″			Δδ = 45.2′			3	16	29	-77	56.2
	= 57.5 mm			= 38.0 mm							
48	3	32	33	-78	9.3						
	3	32	29	-78	9.4						
	3	32	31	-78	9.4						
47	3	32	50	-78	9.9						
	3	32	49	-78	9.9						
	3	32	50	-78	9.9						
12	3	32	2	-76	40.5		-76	238			
	3	32	3	-76	40.5		-76	244			
	3	32	2	-76	40.5		3	30	36	-76	41.8
	Δα = 707″			Δδ = 10.6′			3	42	23	-76	31.2
	= 48.8 mm			= 16.5 mm							
54	3	38	56	-76	41.8						
	3	38	56	-76	41.8						
	3	38	56	-76	41.8						
55	3	38	56	-76	37.3						
	3	38	56	-76	37.3						
	3	38	56	-76	37.3						

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1930phae.proj.233M

A 14282
NE3.

	α			δ			Comp. Stars				
11	3	34	57	-76	11.4		-76	244			
	3	34	56	-76	11.4		-75	238			
	3	34	56	-76	11.4		3	42	23	-76	31.2
	Δα = 463″			Δδ = 63.2′			3	34	40	-75	28.0
	= 42.0 mm			= 59.0 mm							
71	3	37	14	-75	51.6						
	3	37	14	-75	51.8						
	3	37	14	-75	51.7						
72	3	37	58	-75	46.9						
	3	37	58	-75	46.7						
	3	37	58	-75	46.8						
65	3	38	59	-76	21.0						
	3	38	59	-76	21.0						
	3	38	59	-76	21.0						
73	3	45	57	-75	44.9		-76	251			
	3	45	56	-75	44.9		-75	238			
	3	75	56	-75	44.9		3	32	46	-76	11.7
	Δα = 1086″			Δδ = 43.7′			3	34	40	-75	28.0
	= 69.0 mm			= 40.0 mm							
70	3	47	15	-75	55.3						
	3	47	15	-75	55.3						
	3	47	15	-75	55.3						
69	3	49	6	-75	49.8						
	3	49	5	-75	49.9						
	3	49	6	-75	49.8						

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A 14282

NEB.	α	δ	COMP. STARS
1	3 32 20	-74 2.9	-74 268
	3 32 26	-74 2.9	-73 221
	3 32 020	-74 2.9	3 37 26 -74 18.0
	Δα = 497"	Δδ = 24.4'	3 29 9 -73 53.6
	= 36.5mm	= 21.0mm	
2	3 31 59	-74 8.1	
	3 31 59	-74 8.1	
	3 31 59	-74 8.1	
3	3 32 13	-74 29.0	-75 231
	3 32 15	-74 28.9	-74 268
	3 32 14	-74 29.0	3 22 32 -74 368
	Δα = 894"	Δδ = 38.8'	3 37 26 -74 18.0
	= 54.5	= 46.0 mm	
4	3 35 22	-74 39.5	
	3 35 23	-74 39.5	
	3 35 22	-74 39.5	
46	3 38 15	-78 3.7	-78 110
	3 38 15	-78 3.7	-77 137
	3 38 15	-78 3.7	3 43 15 -78 12.2
	Δα = 522"	Δδ = 46.0'	3 34 33 -77 26.2
	= 27.0mm	= 43.0mm	

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1930phae.proj.2301M

A 14282

NEB.	α			δ			Comp. Stars			
27	3	39	49	-78	39.2		-78 101			
	3	39	49	-78	39.2		-78 116			
	3	39	49	-78	39.2	3	33 35	-78	41.4	
	Δα = 11l2″			Δ δ = 38.7′		3	52 7	-78	2.7	
	= 53.5mm			= 43.5mm						
38	3	43	18	-78	40.1					
	3	43	17	-78	40.1					
	3	43	18	-78	40.1					
40	3	46	35	-78	27.2					
	3	46	34	-78	27.2					
	3	46	34	-78	27.2					
41	3	46	25	-78	25.4					
	3	46	23	-78	25.4					
	3	46	24	-78	25.4					
42	3	51	36	-78	28.9					
	3	51	38	-78	29.0					
	3	51	37	-78	29.0					
44	3	51	47	-78	19.6					
	3	51	46	-78	19.6					
	3	51	46	-78	19.6					

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A14282

Neb.	α	δ	Comp. Stars
45	3 45 15	-78 0.2	-78 110
	3 45 15	-78 0.2	-77 X52
	3 45 15	-78 0.2	3 43 15 -78 12.2
	Δα = 418"	Δδ = 33.0'	3 50 13 -77 39.2
	= 24.3mm	= 33.0mm	
50	3 44 41	-77 46.2	
	3 44 41	-77 46.2	
	3 44 41	-77 46.2	
75	3 44 20	-75 21.7	-75 238
	3 44 25	-75 21.7	-75 250
	3 44 25	-75 21.7	3 34 40 -75 28.0
	Δα = 905"	Δδ = 28.9'	3 49 45 -74 59.1
	= 56.5mm	= 32.0mm	
76	3 45 20	-75 14.0	
	3 45 21	-75 14.0	
	3 45 20	-75 14.0	
77	3 48 40	-75 19.0	
	3 48 41	-75 19.0	
	3 48 40	-75 19.0	
78	3 48 45	-75 18.5	
	3 48 46	-75 18.5	
	3 48 46	-75 18.5	

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A 14282

NEB.

	α			δ		Comp. Stars				
80	3	44	50	-74	45.5		-75	250		
	3	44	49	-74	45.4		-74	268		
	3	44	50	-74	45.4	3	49	45	-74	59.1
	Δα = 739″			Δδ = 41.1′		3	37	26	-74	18.0
	= 32.5 mm			= 39.5 mm						
81	3	47	3	-74	57.0					
no check	3	47	1	-74	57.0					
	3	47	2	-74	57.0					
82	3	45	18	-74	55.0					
no check	3	45	16	-74	55.0					
	3	45	17	-74	55.0					
64	3	42	23	-76	25.0		-76	244		
	3	42	23	-76	25.0		-76	251		
	3	42	23	-76	25.0	3	42	23	-76	31.2
	Δα = 623″			Δδ = 19.5′		3	52	46	-76	11.7
	= 27.0 mm			= 19.0 mm						
63	3	51	37	-76	16.8					
	3	51	37	-76	16.8					
	3	51	37	-76	16.8					
51	3	44	11	-77	11.8		-77	152		
	3	44	11	-77	11.8		-76	244		
	3	44	11	-77	11.8	3	50	13	-77	39.2
	Δα = 470″			Δδ = 68.0′		3	42	23	-76	31.2
	= 20.8 mm			= 69.5 mm						

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A 14282

NEB.	α	δ	COMP. STARS
53	3 48 54	-77 36.7	
	3 48 54	-77 36.8	
	3 48 54	-77 36.8	
39	3 51 23	-79 26.3	-79 110
	3 51 24	-79 26.2	-78 123
	3 51 24	-79 26.2	3 41 13 -79 29.5
	Δα = 1489"	Δδ = 40.4'	4 6 2 -78 49.1
	= 71.0 mm	= 37.5 mm	
149	4 2 1	-79 22.5	
	4 2 1	-79 22.5	
	4 2 1	-79 22.5	
148	4 2 33	-79 13.4	
	4 2 32	-79 13.3	
	4 2 32	-79 13.4	
146	3 45 58	-79 0.4	
	3 45 59	-79 0.4	
	3 45 58	-79 0.4	
62	3 54 18	-76 31.0	-76 261
	3 34 20	-76 31.0	-76 251
	3 54 19	-76 31.0	4 6 18 -76 48.8
	Δα = 812"	Δδ = 37.1'	3 52 46 -76 11.7
	= 47.3 mm	= 38.0 mm	

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#14282
NEB.

	α		δ		Comp. Stars
61	3 55	0	-76	31.2	4 6 18 -76 48.8
	3 55	0	-76	31.2	3 52 46 -76 11.7
	3 55	0	-76	31.2	
60	3 55	16	-76	42.0	
	3 55	17	-76	42.0	
	3 55	16	-76	42.0	
59	3 56	10	-76	44.4	
	3 56	8	-76	44.4	
	3 56	9	-76	44.4	
58	3 56	26	-76	44.9	
	3 56	25	-76	44.9	
	3 56	26	-76	44.9	
57	3 57	9	-76	45.9	
	3 57	8	-76	45.9	
	3 57	8	-76	45.9	
132	4 1	18	-76	42.9	
	4 1	17	-76	42.9	
	4 1	18	-76	42.9	
52	3 53	58	-77	31.7	-77 152
	3 53	58	-77	31.7	-76 261
	3 53	58	-77	31.7	3 50 13 -77 39.2
	Δα = 765″		Δ δ = 504′		4 6 18 -76 48.8
	= 53.5 mm		= 50.5 mm		

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H 14282

NEB.	α			δ		COMP. STARS
56	3	53	13	-76	52.8	3 50 13 -77 39.2
	3	53	13	-76	52.8	4 6 18 -76 48.8
	3	53	13	-76	52.8	
136	3	59	13	-77	17.2	
	3	59	13	-77	17.2	
	3	59	13	-77	17.2	
135	4	2	50	-77	11.8	
	4	2	51	-77	11.8	
	4	2	50	-77	11.8	
137	4	3	18	-77	32.7	
	4	3	18	-77	32.7	
	4	3	18	-77	32.7	
134	4	5	6	-77	7.8	
	4	5	6	-77	7.8	
	4	5	6	-77	7.8	
129	4	1	20	-76	42.9	-76 26.1
	4	1	20	-76	43.0	-76 25.1
	4	1	20	-76	43.0	4 6 18 -76 48.8
	Δα = 8.10"			Δδ = 37.1'		3 52 48 -76 11.7
	= 47.5 mm			= 38.0 mm		
128	4	4	10	-76	11.7	
	4	4	11	-76	11.7	
	4	4	10	-76	11.7	

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A 14282

NEB.

	α	δ	Comp. Stars
66	3 58 48	-76 8.7	-76 251
	3 58 48	-76 8.7	-75 258
	3 58 48	-76 8.7	3 52 46 -76 11.7
	Δα = 634″	Δδ = 18.9′	4 3 20 -75 52.8
	= 38.5 mm	= 19.0 mm	
68	4 0 43	-76 6.7	
	4 0 44	-76 6.7	
	4 0 44	-76 6.7	
67	3 59 30	-76 2.7	
	3 59 30	-76 2.7	
	3 59 30	-76 2.7	
43	3 54 22	-78 22.3	-78 123
	3 54 24	-78 22.2	-78 116
	3 54 23	-78 22.2	4 6 2 -78 49.1
	Δα = 835″	Δδ = 46.4′	3 52 7 -78 2.7
	= 41.0 mm	= 47.5 mm	
145	4 2 22	-78 28.1	
	4 2 22	-78 28.1	
	4 2 22	-78 28.1	
79	3 56 32	-75 32.5	-75 258
	3 56 33	-75 32.6	-75 250
	3 56 32	-75 32.6	4 3 20 -75 52.8
	Δα = 815″	Δδ = 53.7′	3 49 45 -74 59.1
	= 51.0 mm	= 53.0 mm	

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A14282

NEB.	α			δ		Comp. Stars				
114	4	1	28	-75	34.5	4	3	20	-75	52.8
	4	1	28	-75	34.7	3	49	45	-74	59.1
	4	1	28	-75	34.6					
116	4	1	28	-75	45.7					
	4	1	28	-75	45.8					
	4	1	28	-75	45.8					
109	4	2	3	-75	19.8					
	4	2	3	-75	19.9					
	4	2	3	-78	19.8					
110	4	2	8	-75	20.9					
	4	2	8	-75	20.9					
	4	2	8	-75	20.9					
111	4	3	4	-75	27.4					
	4	3	5	-75	27.5					
	4	3	4	-75	27.4					
115	4	3	4	-75	39.6					
	4	3	5	-75	39.7					
	4	3	4	-75	39.6					
83	3	57	33	-74	46.1	-75	250			
	3	57	34	-74	46.1	-74	282			
	3	57	34	-74	46.1	3	49	45	-74	59.1
	Δα = 734"			Δδ = 15.8'		4	1	59	-74	43.3
	= 47.0 mm			= 17.0 mm						

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A 14282
NEB.

	α			δ		Comp. Stars
84	4	3	35	-74	57.4	-75 262
no check	4	3	36	-74	57.3	-74 282
	4	3	36	-74	57.4	4 13 15 -75 22.8
	Δα = 676″			Δδ = 39.5′		4 159 -74 43.3
	= 42.0 mm			= 41.0 mm		
85	4	9	30	-74	50.0	
no check	4	9	31	-74	50.0	
	4	9	30	-74	50.0	
108	4	7	33	-75	14.6	
	4	7	34	-75	14.6	
	4	7	34	-75	14.6	
107	4	7	29	-75	15.1	
	4	7	29	-75	15.1	
	4	7	29	-75	15.1	
106	4	7	53	-75	15.6	
	4	7	53	-75	15.6	
	4	7	53	-75	15.6	
101	4	11	30	-75	21.9	
	4	11	30	-75	21.8	
	4	11	30	-75	21.8	
102	4	11	14	-75	21.9	
	4	11	15	-75	21.8	
	4	11	14	-75	21.8	

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A 14282

NEB.	α			δ		COMP. STARS			
118	4	11	25	-75	45.6	-75	258		
	4	11	25	-75	45.5	-75	262		
	4	11	25	-76	45.6	4	3	-20 -75	52.8
	Δα = 595"			Δδ = 30.0'		4	13	15 -75	228
	= 38.0 mm			= 29.0 mm					
103	4	10	55	-75	23.9				
	4	10	54	-75	23.8				
	4	10	55	-76	23.8				
104	4	11	2	-75	24.8				
	4	11	3	-75	24.9				
	4	11	2	-75	24.8				
105	4	11	10	-75	25.4				
	4	11	10	-75	25.4				
	4	11	10	-75	25.4				
89	4	5	39	-74	24.3	-74	282		
nw chick	4	5	41	-74	24.4	-74	285		
	4	5	40	-74	24.4	4	1	59 -74	43.3
	Δα = 599"			Δδ = 42.5'		4	11	58 -74	0.8
	= 48.0 mm			= 41.5 mm					
87	4	6	11	-74	31.0				
nw chick	4	6	2	-74	31.1				
	4	6	2	-74	31.0				

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A 14282
NEB.

	α			δ		Comp. Stars
85	4	6	58	-74	29.5	4 1 59 -74 43.3
m check	4	6	57	-74	29.5	4 11 58 -74 0.8
	4	6	58	-74	29.5	
86	4	8	44	-74	39.7	
m check	4	8	46	-74	39.8	
	4	8	45	-74	39.8	
90	4	8	16	-74	6.4	
m check	4	8	15	-74	6.4	
	4	8	16	-74	6.4	
91	4	9	49	-74	9.5	
m check	4	9	50	-74	9.5	
	4	9	50	-74	9.5	
117	4	9	52	-75	54.6	-76 263
	4	9	52	-75	54.6	-75 258
	4	9	52	-75	54.6	4 10 25 -76 7.3
	Δα = 415″			Δ δ = 145′		4 3 30 -75 52.8
	= 25.4 mm			= 16.0 mm		
130	4	9	18	-76	21.0	-76 261
	4	9	18	-76	21.0	-76 263
	4	9	18	-76	21.0	4 6 18 -76 48.8
	Δα = 247″			Δ δ = 41.5′		4 10 25 -76 7.3
	= 16.5 mm			= 41.0 mm		
131	4	9	25	-76	21.5	
	4	9	25	-76	21.5	
	4	9	25	-76	21.5	

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H14282

NEB.	α	δ	COMP. STARS
144	4 7 36	-78 32.1	-78 123
	4 7 36	-78 32.0	-78 126
	4 7 36	-78 32.0	4 6 2 -78 49.1
	Δα = 106"	Δδ = 38.1'	4 7 48 -78 11.0
	= 6.8mm	= 38.0mm	
142	4 4 55	-77 52.4	-78 126
	4 4 57	-77 52.4	-77 152
	4 4 56	-77 52.4	4 7 48 -78 11.0
	Δα = 1055"	Δδ = 31.8'	3 50 13 -77 39.2
	= 55.0mm	= 32.5mm	
147	4 7 11	-79 0.7	-79 143
	4 7 10	-79 0.7	-78 123
	4 7 10	-79 0.7	4 26 0 -79 28.7
	Δα = 1198"	Δδ = 39.6'	4 6 2 -78 49.1
	= 53.0mm	= 44.5mm	
151	4 16 2	-79 9.6	
	4 16 0	-79 9.6	
	4 16 1	-79 9.6	
150	4 17 92	-79 28.7	
	4 17 30	-79 28.7	
	4 17 31	-79 28.7	

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1930phae.proj.230M

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H 14282

NEB.

	α	δ	Comp. Stars
152	4 25 5	-78 33.3	-78 137
	4 25 6	-78 33.2	-78 126
	4 25 6	-78 33.2	4 27 58 -78 36.4
	Δα = 1210″	Δδ = 45.4	4 7 48 -78 11.0
	= 56.0 mm	= 51.0 mm	
153	4 24 43	-78 11.0	
	4 24 43	-78 11.0	
	4 24 43	-78 11.0	
138	4 8 23	-77 21.0	-78 126
	4 8 24	-77 21.1	-77 167
	4 8 24	-77 21.1	4 7 48 -78 11.0
	Δα = 879″	Δδ = 53.6′	4 22 27 -77 17.4
	= 50.5	= 50.3 mm	
139	4 11 17	-77 26.2	
	4 11 17	-77 26.2	
	4 11 17	-77 26.2	
141	4 14 46	-77 41.2	
	4 14 46	-77 41.2	
	4 14 46	-77 41.2	
143	4 14 11	-78 8.3	
	4 14 12	-78 8.4	
	4 14 12	-78 8.4	
146	4 18 23	-77 26.7	
	4 18 24	-77 26.8	
	4 18 24	-77 26.8	

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1030phe.proj.2001M

A14282

NEB.	α	δ	COMP. STARS
133	4 20 35	-76 45.4	-76 268
	4 20 35	-76 45.4	-76 274
	4 20 35	-76 45.4	4 19 54 -76 47.2
	Δα = 456″ = 20.0mm	Δδ = 17.0′ = 14.0mm	4 27 30 -76 30.2
119	4 14 35	-75 46.0	-76 270
	4 14 34	-75 46.0	-75 262
	4 14 34	-75 46.0	4 24 10 -75 57.6
	Δα = 655″ = 37.5mm	Δδ = 34.8′ = 39.0mm	4 13 15 -75 22.8
120	4 14 50	-75 46.4	
	4 14 51	-75 46.4	
	4 14 50	-75 46.4	
121	4 18 47	-75 42.0	
	4 18 47	-75 42.0	
	4 18 47	-75 42.0	
122	4 17 37	-75 44.2	
	4 17 37	-75 44.2	
	4 17 37	-75 44.2	
123	4 19 13	-75 42.0	
	4 19 13	-75 42.0	
	4 19 13	-75 42.0	

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1930phae.proj.230M

H 14282
NEB.

	α			δ		Comp. Stars				
124	4	18	47	-75	93.5	4	24	10	-75	57.6
	4	18	47	-75	33.5	4	13	15	-75	22.8
	4	18	47	-75	33.5					
125	4	17	10	-75	28.2					
	4	17	11	-75	28.2					
	4	17	10	-75	28.2					
126	4	19	40	-75	52.2					
	4	19	39	-75	52.2					
	4	19	40	-75	52.2					
92	4	14	39	-74	28.7	-74	28.9			
no check	4	14	40	-74	28.7	-74	28.5			
	4	14	40	-74	28.7	4	23	24	-74	47.4
	Δα = 6.86"			Δδ = 46.6'		4	11	58	-74	0.8
	= 42.5 mm			= 57.0 mm						
93	4	17	4	-74	41.0					
no check	4	17	5	-74	41.1					
	4	17	4	-74	41.0					
94	4	16	8	-74	43.8					
no check	4	16	8	-74	43.8					
	4	16	8	-74	43.8					
95	4	14	39	-74	44.2					
no check	4	14	40	-74	44.3					
	4	14	40	-74	44.2					

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1930phae.proj.220M

H1420 2

NEB.	α			δ			COMP. STARS				
96	4	13	11	-74	45.6		4	28	24	-74	47.4
no circle	4	15	12	-74	45.6		4	11	58	-74	0.8
	4	15	12	-74	45.6						
97	4	19	48	-74	51.8			-75	26.2		
	4	19	48	-74	51.8			-74	29.2		
	4	19	48	-74	51.8		4	13	15	-75	22.8
	Δα = 10.63'			Δ δ = 50.6			4	30	58	-74	32.2
	= 74.5 mm			= 42.5 mm							
98	4	20	45	-74	54.2						
	4	20	44	-74	54.2						
	4	20	44	-74	54.2						
99	4	21	42	-74	55.4						
	4	21	42	-74	55.4						
	4	21	42	-74	55.4						
100	4	21	57	-75	1.4						
	4	21	55	-75	1.4						
	4	21	56	-75	1.4						
180	4	23	36	-75	18.6						
	4	23	35	-75	18.6						
	4	23	36	-75	18.6						
179	4	24	55	-75	16.2						
	4	24	54	-75	16.2						
	4	24	54	-75	16.2						

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1930phae.proj.230M

~~H 14282~~
NEB.

	α		δ		Comp. Stars
178	4	25 23	-75	15.7	4 13 15 -75 22.8
	4	25 22	-75	15.7	4 30 58 -74 32.2
	4	25 22	-75	15.7	
181	4	25 9	-74	53.0	
	4	25 8	-74	53.0	
	4	25 8	-74	53.0	
184	4	25 59	-74	32.8	
no chide	4	25 58	-74	32.8	
	4	25 58	-74	32.8	
183	4	27 15	-74	48.8	
no check	4	27 17	-74	48.9	
	4	27 16	-74	48.8	
185	4	27 31	-74	35.8	
no check	4	27 31	-74	35.8	
	4	27 31	-74	35.8	
182	4	29 5	-74	58.4	
	4	29 4	-74	58.4	
	4	29 4	-75	58.4	
177	4	29 47	-75	15.1	
	4	29 47	-75	15.2	
	4	29 47	-75	15.2	

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1930phae.proj:2:1M

A 14282

NEB.	α	δ	COMP. STARS
184	4 30 38	-74 35.8	4 13 15 -75 22.8
w chick	4 30 37	-74 35.8	4 30 58 -74 32.2
	4 30 38	-74 35.8	
187	4 30 38	-74 48.9	
no chick	4 30 37	-74 48.9	
	4 30 38	-74 48.9	
154	4 27 53	-77 48.4	-78 143
	4 27 51	-77 48.4	-77 167
	4 27 52	-77 48.4	4 35 15 -78 8.0
	Δα = 768"	Δδ = 50.6'	4 22 27 -77 17.4
	= 35.5 mm	= 46.5 mm	
155	4 32 39	-77 53.9	
	4 32 32	-77 53.9	
	4 32 32	-77 53.9	
188	4 28 16	-74 10.7	-74 292
	4 28 18	-74 10.8	-74 285
	4 28 17	-74 10.8	4 30 58 -74 32.2
	Δα = 1140"	Δδ = 31.4'	4 11 58 -74 0.8
	= 74.0 mm	= 39.5 mm	
164	4 32 12	-75 50.8	-76 270
	4 32 12	-75 50.8	-75 278
	4 32 12	-75 50.8	4 24 10 -75 57.6
	Δα = 1060"	Δδ = 40.2'	4 41 50 -75 17.4
	= 71.5 mm	= 29.5 mm	

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1930phae.proj.233M

A 14282
NEB.

	α		δ		Comp. Stars			
174	4	40	21	-75	33.1	4	24	10 -75 57.6
	4	40	21	-75	33.1	4	41	50 -75 17.4
	4	40	21	-75	33.1			
167	4	35	28	-76	39.4		-76	289
	4	35	26	-76	39.4		-76	274
	4	35	27	-76	39.4	4	44	18 -76 47.3
	Δα = 1008"			Δδ = 17.1'		4	27	30 -76 30.2
	= 55.0mm			= 27.0mm				
166	4	36	39	-77	17.0		-78	143
	4	36	40	-77	17.1		-76	289
	4	36	40	-77	17.0	4	35	15 -78 8.0
	Δα = 543"			Δδ = 80.7'		4	44	18 -76 47.3
	= 42.0mm			= 63.0mm				
156	4	37	11	-77	53.1			
	4	37	11	-77	53.1			
	4	37	11	-77	53.1			
160	4	39	47	-77	32.0			
	4	39	46	-77	32.0			
	4	39	46	-77	32.0			
161	4	39	33	-77	30.7			
	4	39	34	-77	30.8			
	4	39	34	-77	30.8			

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1930phae.proj.290M

H 14282

NEB.	α	δ	COMP. STARS
162	4 39 27	-77 29.5	4 35 15 -78 8.0
	4 39 27	-77 29.6	4 44 18 -76 47.3
	4 39 27	-77 29.6	
159	4 38 42	-77 44.4	
	4 38 42	-77 44.4	
	4 38 42	-77 44.4	
165	4 39 21	-77 2.1	
	4 39 21	-77 2.2	
	4 39 21	-77 2.2	
157	4 40 33	-78 11.5	-78 14.7
	4 40 32	-78 11.6	-77 18.7
	4 40 32	-78 11.6	4 38 6 -78 34.3
	Δα = 656″	Δδ = 49.1′	4 49 2 -77 40.2
	= 42.5 mm	= 42.0 mm	
158	4 40 34	-78 12.1	
	4 40 33	-78 12.1	
	4 40 34	-78 12.1	
164	4 45 29	-77 1.4	-77 19.0
	4 45 30	-77 1.4	-76 28.9
	4 45 30	-77 1.4	4 56 29 -77 14.2
	Δα = 731″	Δδ = 26.9′	4 44 18 -76 47.3
	= 35.5 mm	= 33.5 mm	

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1930phae.proj.230M

H1428.2
NEB

	α	δ	Comp. Stars
163	4 54 56	-77 11.4	4 56 29 -77 14.2
	4 54 58	-77 11.4	4 44 18 -76 47.3
	4 54 57	-77 11.4	
168	4 40 51	-76 22.0	-76 27.4
	4 40 52	-76 22.0	-75 28.2
	4 40 52	-76 22.0	4 27 30 -76 30.2
	Δα = 995"	Δδ = 48.7'	4 44 5 -75 41.5
	= 67.0 mm	= 38.5 mm	
170	4 44 46	-75 49.3	-76 29.8
	4 44 46	-75 49.1	-75 28.2
	4 44 46	-75 49.2	4 57 58 -76 18.1
	Δα = 833"	Δδ = 36.6'	4 44 5 -75 41.5
	= 41.0 mm	= 47.5 mm	
171	4 54 36	-75 51.5	
	4 54 35	-75 51.5	
	4 54 36	-75 51.5	
173	4 56 16	-75 47.7	
	4 56 15	-75 47.7	
	4 56 16	-75 47.7	
172	4 56 37	-75 52.3	
	4 56 35	-75 52.3	
	4 54 36	-75 52.8	

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1930phae.proj.230M

F 14282

NEB.	α	δ	COMP. STARS
194	5 0 0	-76 8.1	
	5 0 0	-76 8.1	
	5 0 0	-76 8.1	
176	4 39 0	-74 52.9	-75 278
	4 39 0	-74 52.8	-74 292
	4 39 0	-74 52.8	4 41 50 -75 17.4
	Δα = 652"	Δδ = 45.2'	4 30 58 -74 32.2
	= 84.5mm	= 52.5mm	
189	4 42 24	-74 35.8	-75 278
	4 42 24	-74 35.7	-74 303
	4 42 24	-74 35.8	4 41 50 -75 17.4
	Δα = 348"	Δδ = 64.5'	4 47 38 -74 12.9
	= 35.5mm	= 54.5mm	
190	4 42 54	-74 35.1	
	4 42 54	-74 35.1	
	4 42 54	-74 35.1	
193	4 43 48	-74 7.4	
	4 43 48	-74 7.3	
	4 43 48	-74 7.4	
191	4 46 44	-74 26.4	
	4 46 44	-74 26.4	
	4 46 44	-74 26.4	
175	4 46 39	-75 8.2	
	4 46 39	-75 8.2	
	4 46 39	-75 8.2	

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1930phae.proj.230M

FH4282

NEB.	α	δ	COMP. STARS
192	5 0 50	-75 24.1	-76 298
	5 0 50	-75 24.1	-75 278
	5 0 50	-75 24.1	4 57 58 -76 18.1
	Δα = 968″	Δδ = 60.7′	4 41 50 -75 17.4
	= 45.0mm	= 73.0mm	

#

A6714

A6714

NEB.	α	δ	COMP. STARS
1	13 18 0	-26 0.8	-26 4960
	13 18 0	-26 0.8	-25 5178
	13 18 0	-26 0.8	13 17 55 -26 27.2
	Δα = 166″	Δδ = 47.4′	13 20 41 -25 39.8
	= 36.5mm	= 48.5mm	
2	13 18 6	-26 5.7	
	13 18 6	-26 5.7	
	13 18 6	-26 5.7	
6.	13 19 13	-25 52.0	
	13 19 15	-25 52.0	
	13 19 14	-25 52.0	
7	13 19 26	-26 8.6	
	13 19 26	-26 8.6	
	13 19 26	-26 8.6	

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1930phae.proj.230M

R 6714

Neb.	α			δ		Comp. Stars			
8	13	19	30	-26	6.7	13	17.55	-26	27.2
	13	19	30	-26	6.7	13	20 41	-25	39.8
	13	19	30	-26	6.7				
9	13	19	43	-25	58.4				
	13	19	44	-25	58.4				
	13	19	44	-25	58.4				
10	13	19	49	-25	40.2				
	13	19	49	-25	40.3				
	13	19	49	-25	40.2				
14	13	~~19~~ 20	9	-25	56.9				
	13	~~19~~ 20	9	-25	57.0				
	13	~~19~~ 20	9	-25	57.0				
15	13	20	18	-26	11.1				
	13	20	18	-26	11.1				
	13	20	18	-26	11.1				
3	13	19	1	-26	32.8		-27	47.6	
	13	19	0	-26	32.8		-26	49.6	
	13	19	0	-26	32.8	13	20 4	-27	10.6
	Δα = 129″			Δδ = 43.4′		13	17 55	-26	27.2
	= 29.5 mm			= 43.0 mm					
4	13	19	14	-27	1.0				
	13	19	14	-27	1.0				
	13	19	14	-27	1.0				

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1930phae.proj.230M

H 6714
NEB.

	α			δ		Comp. Stars
11	13	19	29	-27	2.0	13 20 4 - 27 10.6
	13	19	29	-27	2.0	13 17 55 -26 27.2
	13	19	29	-26	2.0	
5	13	19	16	-27	20.3	-27 9226 (C.D.M.)
neb?	13	19	16	-27	20.3	-26 4957
	13	19	16	-27	20.3	13 21 2 - 27 3.25
	Δα = 228″			Δδ = 25.9′		13 17 14 -27 6.6
	= 51.5 mm			= 25.5 mm		
12	13	19	38	-27	17.7	
	13	19	38	-27	17.7	
	13	19	38	-27	17.7	
13	13	19	45	-27	20.3	
	13	19	43	-27	20.3	
	13	19	44	-27	20.3	
18	13	20	17	-27	10.7	
	13	20	18	-27	10.7	
	13	20	18	-27	10.7	
19	13	20	31	-27	12.2	
	13	20	31	-27	12.2	
	13	20	31	-27	12.2	
29	13	20	58	-27	19.8	
	13	20	58	-27	19.8	
	13	20	58	-27	19.8	

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H 6714

NEB.	α	δ	COMP STARS
16	13 20 4	-26 48.4	-27 4716
	13 20 4	-26 48.4	-26 4960
	13 20 4	-26 48.4	13 20 4 -27 10.6
	Δα = 129"	Δδ = 43.4'	13 17 55 -26 27.2
	= 29.5mm	43.0mm	
17	13 20 20	-27 6.6	-27 4716
	13 20 20	-27 6.8	-26 4984
	13 20 20	-27 6.7	13 20 4 -27 10.6
	Δα = 176"	Δδ = 17.9'	13 23 0 -26 52.7
	= 39.0mm	= 18.0mm	
20	13 20 40	-27 1.0	
	13 20 40	-27 1.2	
	13 20 40	-27 1.1	
28	13 21 3	-27 1.0	
	13 21 3	-27 1.2	
	13 21 3	-27 1.1	
27	13 21 12	-26 55.3	
	13 21 12	-26 55.7	
	13 21 12	-26 55.6	
35	13 21 57	-26 58.5	
	13 21 57	-26 58.7	
	13 21 57	-26 58.6	

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A 6714
NEB.

	α	δ	Comp. Stars
86	13 22 1	-26 57.0	13 20 4 -27 10.6
	13 22 1	-26 57.2	13 23 0 -26 52.7
	13 22 1	-26 57.1	
48	13 22 51	-27 2.6	
	13 22 51	-27 2.8	
	13 22 51	-27 2.7	
21	13 20 33	-26 41.0	-26 4984
	13 20 33	-26 41.0	-26 4960
	13 20 33	-26 41.0	13 23 0 -26 52.7
	Δα = 305"	Δδ = 25.5'	13 17 55 -26 27.2
	= 68.5mm	= 25.0mm	
22	13 20 46	-26 41.5	
	13 20 46	-26 41.5	
	13 20 46	-26 41.5	
32	13 21 18	-26 36.9	
	13 21 18	-26 36.9	
	13 21 18	-26 36.9	
33	13 21 31	-26 27.7	
	13 21 30	-26 27.7	
	13 21 30	-26 27.7	
34	13 21 47	-26 38.4	
	13 21 47	-26 38.4	
	13 21 47	-26 38.4	

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A 6714

NEB.	α	δ	COMP. STARS
40	13 22 2	-26 30.9	13 23 0 -26 52.7
	13 22 2	-26 30.8	13 17 55 -26 27.2
	13 22 2	-26 30.8	
41	13 22 16	-26 27.2	
	13 22 15	-26 27.2	
	13 22 16	-26 27.2	
42	13 22 16	-26 45.0	
	13 22 15	-26 45.0	
	13 22 16	-26 45.0	
43	13 22 29	-26 46.6	
	13 22 29	-26 46.6	
	13 22 29	-26 46.6	
44	13 22 38	-26 48.6	
	13 22 38	-26 48.8	
	13 22 38	-26 48.7	
45	13 22 29	-26 34.3	
	13 22 29	-26 34.4	
	13 22 29	-26 34.4	
46	13 22 33	-26 29.2	
	13 22 33	-26 29.2	
	13 22 33	-26 29.2	

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A 6714
NEB

	α	δ	COMP. STARS
23	13 20 38	-26 17.8	-26 4960
	13 20 38	-26 17.7	-25 5181
	13 20 38	-26 17.8	13 17 55 -26 27.2
	Δα = 2.75"	Δ δ = 34.3'	13 22 30 -25 52.9
	= 61.5 mm	= 35.6 mm	
24	13 20 56	-26 5.5	
	13 20 56	-26 5.5	
	13 20 56	-26 5.5	
25	13 21 3	-26 5.7	
	13 21 3	-26 5.7	
	13 21 3	-26 5.7	
26	13 20 54	-26 26.0	
	13 20 54	-26 25.9	
	13 20 54	-26 26.0	
30	13 21 9	-27 13.9	-27 9226 (C.D.M.)
	13 21 9	-27 14.1	-26 4988
	13 21 9	-27 14.0	13 21 2 -27 32.5
	Δα = 1.76"	Δα = 40.2	13 23 55 -26 52.3
	= 38.5 mm	= 41.0 mm	
37	13 21 50	-27 13.9	
	13 21 50	-27 14.1	
	13 21 50	-27 14.0	

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1930phae.proj.230M

A 6714.

NEB	α	δ	COMP. STARS
38	13 21 57	-27 12.4	13 21 2 -27 32.3
	13 21 57	-27 12.4	13 23 58 -26 52.3
	13 21 57	-27 12.4	
39	13 22 1	-27 16.3	
neb?	13 22 2	-27 16.3	
	13 22 2	-27 16.3	
47	13 22 33	-27 15.4	
	13 22 33	-27 15.3	
	13 22 33	-27 15.4	
49	13 23 3	-27 18.3	
	13 23 3	-27 18.3	
	13 23 3	-27 18.3	
50	13 23 14	-27 8.0	..
	13 23 15	-27 8.0	
	13 23 14	-27 8.0	
51	13 23 15	-27 7.5	..
	13 23 15	-27 7.5	
	13 23 15	-27 7.5	
31	13 21 15	-25 24.3	-25 5178
neb?	13 21 15	-25 24.3	-25 5187
	13 21 15	-25 24.3	13 20 41 -25 39.8
	Δα = 180"	Δδ = 27.2'	13 23 41 -25 12.6
	= 40.0 mm	= 27.8 mm	

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1930phae.proj.231M

A 6714
NEB.

	α	δ	COMP. STARS
52	13 22 24	−25 20.4	13 20 41 −25 39.8
	13 22 25	−25 20.5	13 23 41 −25 12.6
	13 22 24	−25 20.4	
54	13 22 49	−25 35.1	
	13 22 49	−25 35.3	
	13 22 49	−25 35.2	
53	13 22 32	−25 0.6	−25 5187
	13 22 32	−25 0.6	−24 5076
	13 22 32	−25 0.6	13 23 41 −25 12.6
	Δα = 44″	Δδ = 30.9	13 22 57 −24 41.7
	= 10.5 mm	= 31.0 mm	
58	13 23 12	−25 4.6	
	13 23 12	−25 4.6	
	13 23 12	−25 4.6	
59	13 23 18	−25 6.1	
	13 23 18	−25 6.1	
	13 23 18	−25 6.1	
60	13 24 18	−24 57.6	−25 5200
	13 24 18	−24 57.7	−24 5076
	13 24 18	−24 57.6	13 26 37 −25 29.4
	Δα = 220″	Δδ = 47.7′	13 22 57 −24 41.7
	= 46.8 mm	= 54.8 mm	

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A6714

NEB.	α	δ	Comp. Stars
61	13 24 20	-24 57.1	
	13 24 19	-24 57.2	
	13 24 20	-24 57.2	
62	13 24 14	-25 22.9	
	13 24 13	-25 23.0	
	13 24 14	-25 23.0	
72	13 25 1	-25 4.1	
not?	13 25 1	-25 4.2	
	13 25 1	-25 4.2	
73	13 25 3	-24 59.7	
	13 25 3	-24 59.8	
	13 25 3	-24 59.8	
55	13 23 23	-26 42.4	-26 4984
	13 23 25	-26 42.4	-26 5002
	13 23 24	-26 42.4	13 23 0 -26 52.7
	Δα = 240″	Δδ = 44.0′	13 27 0 -26 8.7
	= 53.5 mm	= 45.0 mm	
56	13 23 29	-26 41.5	
	13 23 29	-26 41.4	
	13 23 29	-26 41.4	
57	13 23 31	-26 39.5	
	13 23 31	-26 39.5	
	13 23 31	-26 39.5	

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#6714
NEB.

	α	δ	Comp. Stars
69	13 23 45	-26 9.7	13.23 0 -26 52.7
	13 23 45	-26 9.7	13 27 0 -26 8.7
	13 23 45	-26 9.7	
64	13 23 56	-26 16.5	
	13 23 56	-26 16.5	
	13 23 56	-26 16.5	
65	13 23 49	-26 28.3	
neb?	13 23 49	-26 28.2	
	13 23 49	-26 28.2	
66	13 23 38	-26 48.8	
	13 23 38	-26 48.7	
	13 23 38	-26 48.8	
71	13 25 8	-26 28.3	
	13 25 8	-26 28.3	
	13 25 8	-26 28.3	
74	13 25 28	-26 31.2	
	13 25 28	-26 31.2	
	13 25 28	-26 31.2	
76	13 25 46	-26 36.6	
	13 25 46	-26 36.5	
	13 25 46	-26 36.6	
77	13 25 48	-26 35.6	
	13 25 48	-26 35.6	
	13 25 48	-26 35.6	

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H 6714

NEB.	α	δ	COMP. STARS
79	13 26 7	-25 46.9	-25 5761
	13 26 7	-25 46.9	-25 5200
	13 26 7	-25 46.9	13 22 30 -25 52.9
	Δα = 247″	Δδ = 23.5′	13 26 37 -25 28.4
	= 51.8 mm	= 17.5 mm	
80	13 26 30	-25 46.2	
	13 26 31	-25 46.2	
	13 26 30	-25 46.2	
67	13 24 4	-27 19.1	-27 9296 (CDM)
	13 24 4	-27 19.1	-26 4988
	13 24 4	-27 19.1	13 28 11 -27 46.0
	Δα = 253″	Δδ = 53.7′	13 23 58 -26 52.3
	= 56.8 mm	= 53.8 mm	
68	13 24 7	-27 20.1	
	13 24 6	-27 20.1	
	13 24 6	-27 20.1	
69	13 24 29	-26 56.6	
	13 24 28	-26 56.6	
	13 24 28	-26 56.6	
70	13 24 33	-26 58.6	
	13 24 33	-26 58.6	
	13 24 33	-26 58.6	

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A6714

NEB.	α	δ	COMP. STARS
75	13 25 9	-27 6.6	13 28 11 -27 46.0
	13 25 9	-27 6.6	13 23 58 -26 52.3
	13 25 9	-27 6.6	
78	13 25 44	-27 10.1	
	13 25 44	-27 10.1	
	13 25 44	-27 10.1	
84	13 27 0	-27 15.6	
	13 26 59	-27 15.6	
	13 27 0	-27 15.6	
85	13 26 53	-26 56.1	
	13 26 52	-26 56.1	
	13 26 52	-26 56.1	
86	13 27 31	-27 15.1	
	13 27 31	-27 15.1	
	13 27 31	-27 15.1	
88	13 28 0	-26 54.6	
	13 27 59	-26 54.6	
	13 28 0	-26 54.6	
81	13 27 13	-27 28.3	-27 47 48
	13 27 13	-27 28.4	-26 50 02
	13 27 13	-27 28.4	13 29 24 -27 19.1
	Δα = 144″	Δδ = 704′	13 27 0 -26 8.7
	= 31.8 mm	= 71.5 mm	

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A 6714

NEB.	α			δ			COMP. STARS				
82	13	27	6	-26	31.9		13	29	24	-27	19.1
	13	27	6	-26	31.8		13	27	0	-26	8.7
	13	27	6	-26	31.8						
83	13	27	16	-26	32.3						
	13	27	15	-26	32.3						
	13	27	16	-26	32.3						
89	13	29	20	-27	3.8						
insufficient check	13	29	20	-27	3.7						
	13	29	20	-27	3.8						
90	13	29	44	-27	1.3		- 27 4748				
insuf. check	13	29	44	-27	1.3		- 26 5037				
	13	29	44	-27	1.3		13	29	24	-27	19.1
	Δα = 366"			Δ δ = 53.3			13	35	30	-26	25.8
	= 82.5 mm			= 59.5 mm							
97	13	30	39	-26	58.3						
ins. check	13	30	40	-26	58.3						
	13	30	40	-26	58.3						
98	13	30	39	-27	4.9						
insuf?	13	30	40	-27	4.9						
	13	30	40	-27	4.9						
99	13	30	53	-26	43.1						
	13	30	53	-26	43.0						
	13	30	53	-26	43.0						

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H 6714
NEB.

	α	δ	Comp. Stars
100	13 31 17	-26 33.5	13 29 24 -27 19.1
	13 31 17	-26 33.4	13 35 30 -26 25.8
	13 31 17	-26 33.4	
101	13 31 24	-26 36.5	
	13 31 24	-26 36.5	
	13 31 24	-26 36.5	
104	13 31 4	-27 10.0	
	13 31 4	-27 10.0	
	13 31 4	-27 10.0	
105	13 31 48	-27 4.4	
	13 31 48	-27 4.4	
	13 31 48	-27 4.4	
106	13 31 13	-27 7.9	
neb?	13 31 13	-27 7.9	
	13 31 13	-27 7.9	
107	13 32 12	-27 12.0	
insufficient check	13 32 13	-27 12.0	
	13 32 12	-27 12.0	
108	13 32 28	-27 3.9	
insufficient check	13 32 28	-27 3.8	
	13 32 28	-27 3.8	

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A6714

Neb.	α	δ	Comp. Stars
109	13 32 30	-27 6.9	13 29 24 -27 19.1
ins. check	13 32 30	-27 6.8	13 35 30 -26 25.8
	13 32 20	-27 6.8	
110	13 32 55	-27 1.9	
ins. check	13 32 55	-27 1.8	
	13 32 55	-27 1.8	
111	13 33 4	-26 36.6	
ins. check	13 33 4	-26 36.5	
	13 33 4	-26 36.6	
112	13 33 1	-26 55.3	
ins. check	13 33 2	-26 55.2	
	13 33 1	-26 55.2	
113	13 33 6	-27 7.9	
insf. check	13 33 6	-27 7.9	
	13 33 6	-27 7.9	
114	13 34 26	-26 33.0	
	13 34 26	-26 32.9	
	13 34 26	-26 33.0	
115	13 34 36	-26 30.9	
insf. check	13 34 37	-26 30.9	
	13 34 36	-26 30.9	
118	13 35 23	-26 31.9	
insf. check	13 35 23	-26 31.9	
	13 35 23	-26 31.9	

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A 6714
NEB.

	α	δ	COMP. STARS
87	13 27 40	-26 38.3	-27 4748
	13 27 40	-26 38.2	-26 5002
	13 27 40	-26 38.2	13 29 24 -27 19.1
	Δα = 144"	Δδ = 70.4'	13 27 0 -26 8.7
	= 31.8 mm	= 71.5 mm	
91	13 29 33	-26 14.4	-26 5007
	13 29 33	-26 14.4	-25 5228
	13 29 33	-26 14.4	13 27 31 -26 29.3
	Δα = 326"	Δδ = 41.4'	13 32 57 -25 47.9
	= 73.5 mm	= 41.1 mm	
92	13 29 36	-26 4.8	
	13 29 36	-26 4.8	
	13 29 36	-26 4.8	
102 neb?	13 31 26	-26 11.9	
	13 31 26	-26 11.9	
	13 31 26	-26 11.9	
141 neb?	13 31 53	-26 18.9	
	13 31 53	-26 19.0	
	13 31 53	-26 19.0	
93	13 29 58	-25 31.9	-25 5228
	13 29 58	-25 31.9	-25 2210
	13 29 58	-25 31.9	13 32 57 -25 47.9
	Δα = 250"	Δδ = 38.7'	13 28 47 -25 9.2
	= 55.8 mm	= 40.0 mm	

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A 6714

NEB.	α	δ	COMP. STARS
94	13 30 20	-25 30.0	
	13 30 20	-25 30.0	
	13 30 20	-25 30.0	
103	13 31 30	-25 32.4	
	13 31 28	-25 32.4	
	13 31 28	-25 32.4	
95	13 29 56	-24 50.5	-24 5101
	13 29 56	-24 50.5	-24 5108
	13 29 56	-24 50.5	13 28 46 -24 51.9
	Δα = 192″	Δ δ = 11.8′	13 31 58 -24 40.1
	= 44.0mm	= 12.0mm	
96	13 30 9	-24 41.5	
	13 30 9	-24 41.5	
	13 30 9	-25 41.5	
116	13 34 19	-24 59.4	-25 5228
	13 34 19	-24 59.4	-24 5127
	13 34 19	-24 59.4	13 32 57 -25 47.9
	Δα = 303″	Δ δ = 72.3′	13 38 0 -24 35.6
	= 70.5mm	= 71.5mm	
117	13 34 55	-25 45.9	
	13 34 55	-24 45.9	
	13 34 55	-24 45.9	

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A6714
NEB.

	α	δ	Comp. Stars
121	13 36 6	-25 35.8	13 32 57 -25 47.9
	13 36 6	-25 35.7	13 38 0 -24 35.6
	13 36 6	-25 35.8	
122	13 36 10	-25 18.1	
	13 36 10	-25 18.1	
	13 36 10	-25 18.1	
127	13 37 39	-25 27.2	
	13 37 39	-25 27.1	
	13 37 39	-25 27.1	
128	13 37 44	-24 46.3	
	13 37 44	-24 46.2	
	13 37 44	-24 46.2	
119	13 35 39	-26 56.6	-27 47.7
insufficient check	13 35 39	-26 56.6	-26 50.3
	13 35 39	-26 56.6	13 39 15 -27 8.6
	Δα = 22.5	Δ δ = 42.8	13 35 30 -26 25.8
	= 49.0 mm	= 44.5 mm	
125	13 38 15	-26 52.5	
	13 38 15	-26 52.3	
	13 38 15	-26 52.5	
129	13 38 29	-26 27.2	
insuf. check	13 38 29	-26 27.8	
	13 38 29	-26 27.2	

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A 6714

NEB.	α	δ	COMP. STARS
120	13 36 25	-26 13.2	-26 5037
insuf. check	13 36 25	-26 13.2	-25 5245
	13 36 25	-26 13.2	13 35 30 -26 25.8
	Δα = 237″	Δ δ = 20.7′	13 39 27 -26 5.1
	= 54.0 mm	= 19.7 mm	
123	13 36 42	-26 19.0	
	13 36 43	-26 19.0	
	13 36 42	-26 19.0	
126	13 38 10	-26 9.0	
insuf. check	13 38 10	-26 9.0	
	13 38 10	-26 9.0	
124	13 38 -3	-27 17.7	-27 4771
insufficient check	13 38 3	-27 17.7	-27 4777
	13 38 3	-27 17.7	13 37 31 -27 39.9
	Δα = 104″	Δ δ = 31.3′	13 39 15 -27 8.6
	= 24.0 mm	= 31.0 mm	
130	13 38 40	-27 17.7	
insuf. check	13 38 40	-27 17.7	
	13 38 40	-27 17.7	
132	13 39 56	-25 38.3	-25 5245
insuf. check	13 39 56	-25 38.3	-25 5235
	13 39 56	-25 38.3	13 39 27 -26 5.1
	Δα = 231″	Δ δ = 37.4′	13 36 36 -25 27.7
	= 37.5 mm	= 36.8 mm	

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132
A6714
NEB.

	α	δ	COMP. STARS
134	13 39 55	-25 44.0	-25 5245
neb??	13 39 55	-25 44.0	-25 5254
	13 39 55	-25 44.0	13 39 27 -26 5.1
	Δα = 110″	Δ δ = 33.2′	13 41 17 -25 31.9
	= 25.8 mm	= 33.0 mm	
131	13 38 49	-25 15.6	-25 5230
	13 38 49	-25 15.6	-24 5133
	13 38 49	-25 15.6	13 36 36 -25 27.7
	Δα = 231″	Δ δ = 36.7′	13 40 27 -24 51.0
	= 53.0 mm	= 36.5 mm	
133	13 39 46	-24 56.5	
	13 39 45	-24 56.5	
	13 39 46	-24 56.5	
135	13 40 50	-27 4.4	-27 4777
	13 40 50	-27 4.4	-26 5083
	13 40 50	-27 4.4	13 39 15 -27 8.6
	Δα = 256″	Δ δ = 23.2′	13 43 31 -26 45.4
	= 58.0 mm	= 22.0 mm	
136	13 42 16	-26 46.5	
	13 42 16	-26 46.5	
	13 42 16	-26 46.5	

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A 6714

NE 3.

	α	δ	Comp. Stars
137	13 41 51	-25 25.2	-25 5254
	13 41 51	-25 25.2	-24 5144
	13 41 51	-25 25.2	13 41 17 -25 31.9
	Δα = 109″	Δδ = 29.2′	13 43 6 -25 2.7
	= 25.5 mm	= 29.2 mm	
138	13 42 10	-25 6.2	
	13 42 11	-25 6.2	
	13 42 10	-25 6.2	
139	13 42 17	-25 25.7	
	13 42 17	-25 25.7	
	13 42 17	-25 25.7	
140	13 43 21	-25 52.9	-26 5083
	13 43 21	-25 52.9	-25 5254
	13 43 21	-25 52.9	13 43 31 -26 45.4
	Δα = 134″	Δδ = 73.5′	13 41 17 -25 31.9
	= 28.2 mm	= 75.0 mm	

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A5914
NEB.

A 59.14

	α	δ	Comp. Stars
1	13 43 21	-53 55.6	-53 5775
	13 43 20	-53 55.7	-53 5760
	13 43 20	-53 55.6	13 45 39 -53 57.4
	Δα = 179″	Δδ = 13.6′	13 42 40 -53 43.8
	= 26.5 mm	= 13.2 mm	
2	13 45 5	-52 25.2	-52. 6795
	13 45 5	-52 25.1	-51 6322
	13 45 5	-52 25.2	13 46 26 -52 32.5
	Δα = 229″	Δδ = 32.9′	13 42 37 -51 59.6
	= 35.5 mm	= 32.8 mm	
3	13 44 4	-52 9.7	
	13 44 4	-52 9.6	
	13 44 4	-52 9.6	
4	13 58 13	-52 5.5	-52 6990
	13 58 13	-52 5.5	-51 6543
	13 58 13	-52 5.5.	13 59 39 -52 31.9
	Δα = 104″	Δδ = 38.6′	13 57 55 -51 59.3
	= 14.5 mm	= 39.5 mm	

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A7501

A7501

NEB.	α	δ	COMP. STARS
1	21 51 31	-52 20.3	-52 11953
	21 51 31	-52 20.2	-52 11960
	21 51 31	-52 20.2	21 48 17 -52 51.5
	Δα = 254″	Δδ = 33.6′	21 52 31 -52 17.9
	= 36.0 mm	= 36.0 mm	
2	21 53 8	-51 49.3	-52 11960
	21 53 7	-51 49.5	-51 11775
	21 53 8	-51 49.4	21 52 31 -52 17.9
	Δα = 416″	Δδ = 41.2′	21 59 27 -51 36.7
	= 62.5 mm	= 45.0 mm	
3	21 53 57	-52 7.8	
	21 53 57	-52 7.8	
	21 53 57	-52 7.8	
92	21 54 28	-52 7.8	
	21 54 27	-52 7.8	
	21 54 28	-52 7.8	
7	21 57 17	-52 14.3	
	21 57 17	-52 14.2	
	21 57 17	-52 14.2	
11	21 57 15	-51 55.0	
	21 57 14	-51 55.0	
	21 57 14	-51 55.0	

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136
A7501
NEB.

	α	δ	COMP. STARS
4	21 55 44	−50 29.2	−50 11643
	21 55 44	−50 29.2	−50 11628
	21 55 44	−50 29.2	21 56 38 −50 47.9
	Δα = 360″	Δ = 37.9′	21 50 38 −50 10.0
	= 60.5mm	= 35.5mm	
9	21 56 29	−50 42.6	
	21 56 29	−50 42.6	
	21 56 29	−50 42.6	
5	21 54 45	−52 47.4	−52 11953
	21 54 45	−52 47.5	−52 11977
	21 54 45	−52 47.4	21 48 17 −52 51.5
	Δα = 637″	Δ δ = 15.2′	21 58 34 −52 36.9
	= 96.0mm	= 21.5mm	
12	21 56 52	−52 38.9	
	21 56 51	−52 38.9	
	21 56 52	−52 38.9	
21	21 58 25	−52 44.1	
	21 58 24	−52 44.1	
	21 58 24	−52 44.1	
6	21 54 37	−54 17.0	−55 9753
	21 54 38	−54 17.0	−54 9992
	21 54 38	−54 17.0	21 54 55 −54 59.6
	Δα = 63″	Δ δ = 42.2′	21 53 52 −54 12.4
	= 11.5mm	= 41.5mm	

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A 7501

NEB.	α	δ	Comp. Stars
8	21 59 27	-50 58.0	-51 11775
	21 59 27	-50 58.0	-50 11643
	21 59 27	-50 58.0	21 59 27 -51 36.7
	Δα = 169″	Δ δ = 48.8′	21 56 38 -50 47.9
	= 29.0 mm	= 48.5 mm	
10	21 57 4	-51 17.6	
	21 57 4	-51 17.6	
	21 57 4	-51 17.6	
18	21 57 51	-50 32.5	-50 11643
	21 57 51	-50 32.4	-50 11650
	21 57 51	-50 32.4	21 56 38 -50 47.9
	Δα = 184″	Δ δ = 37.7′	21 59 42 -50 10.2
	= 27.8 mm	= 39.0 mm	
19	21 58 17	-50 43.5	
	21 58 17	-50 43.4	
	21 58 17	-50 48.4	
20	21 58 39	-50 48.5	-51 11777
	21 58 40	-50 48.4	-50 11643
	21 58 40	-50 48.4	22 0 46 -51 11.7
	Δα = 248″	Δ δ = 23.8′	21 56 38 -50 47.9
	= 40.0 mm	= 22.5 mm	
27	21 59 44	-51 2.7	
	21 59 44	-51 2.7	
	21 59 44	-51 2.7	

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A7501
NEB.

	α	δ	Comp. Stars
13	21 57 10	-53 35.3	-54 10010
	21 57 10	-53 35.3	-53 10232
	21 57 10	-53 35.3	21 59 19 -54 2.8
	Δα = 132″	Δδ = 34.1′	21 57 7 -53 28.7
	= 22.0 mm	= 33.5 mm	
25 ✓	21 57 46	-53 51.1	
	21 57 46	-53 51.1	
	21 57 46	-53 51.1	
14	21 56 20	-54 42.8	-55 9753
	21 56 20	-54 42.8	-54 10011
	21 56 20	-54 42.8	21 54 55 -54 54.6
	Δα = 269″	Δδ = 1.6′	21 59 24 -54 22.0
	= 38.0 mm	= 34.5 mm	
15	21 56 51	-54 30.0	
	21 56 52	-54 30.0	
	21 56 52	-54 30.0	
16	21 57 23	-53 15.0	-53 10202
	21 57 24	-53 15.0	-53 10219
	21 57 24	-53 15.0	21 57 7 -53 28.7
	Δα = 319″	Δδ = 13.3′	22 2 26 -53 15.4
	= 48.3 mm	= 15.0 mm	
17	21 57 37	-53 20.7	
	21 57 38	-53 20.7	
	21 57 38	-53 20.7	

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A7501

NEB.	α	δ	COMP. STARS
23	21 58 13	-53 15.4	21 57 7 -53 28.7
	21 58 13	-53 15.4	22 2 26 -53 15.4
	21 58 13	-53 15.4	
24	21 58 26	-53 19.0	
	21 58 26	-53 18.9	
	21 58 26	-53 19.0	
28	22 0 42	-53 12.9	
	22 0 42	-53 12.9	
	22 0 42	-53 12.9	
22	21 58 8	-53 12.2	-53 10249
	21 58 8	-53 12.3	-53 10235
	21 58 8	-53 12.2	22 2 26 -53 15.4
	Δα = 268″	Δδ = 14.1′	21 57 58 -53 1.3
	= 41.0 mm	= 12.8 mm	
29	22 1 59	-49 55.2	-50 11650
	22 1 59	-49 55.2	-49 11570
	22 1 59	-49 55.2	21 59 42 -50 10.2
	Δα = 575″	Δδ = 33.3′	22 9 17 -49 36.9
	= 92.5 mm	= 35.5 mm	
56	22 8 12	-49 47.2	
	22 8 12	-49 47.2	
	22 8 12	-49 47.2	

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A 7501
NEB.

	α	δ	COMP. STARS
30	22 3 22	-50 16.4	-50 11668
	22 3 24	-50 16.4	-50 11650
	22 3 23	-50 16.4	22 8 33 -50 50.0
	Δα = 531"	Δ δ = 39.8'	21 59 42 -50 10.2
	= 85.5 mm	= 38.5 mm	
31	22 2 8	-52 45.0	-53 10266
	22 2 7	-52 45.0	-52 11977
	22 2 8	-52 45.0	22 8 50 -53 11.7
	Δα = 599"	Δ δ = 35.4'	21 58 51 -52 36.3
	= 90.8 mm	= 33.8 mm	
38	22 4 13	-52 50.7	
	22 4 13	-52 50.7	
	22 4 13	-52 50.7	
41	22 5 59	-52 53.9	
	22 5 58	-52 53.9	
	22 5 58	-52 53.9	
36	22 3 55	-53 20.5	-53 10257
	22 3 55	-53 20.5	-53 10249
	22 3 55	-53 20.5	22 5 58 -53 42.3
	Δα = 212"	Δ δ = 26.9'	22 2 26 -53 15.4
	= 32.0 mm	= 26.5 mm	
37	22 4 29	-53 24.5	
	22 4 29	-53 24.5	
	22 4 29	-53 24.5	

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A 7501

NEB.	α	δ	COMP. STARS
33	22 2 30	-54 41.3	-55 9801
	22 2 30	-54 41.2	-54 10011
	22 2 30	-54 41.2	22 5 40 -55 9.9
	Δα = 376″	Δ δ = 47.9′	21 59 24 -54 22.0
	= 55.5 mm	= 46.0 mm	
34	22 3 4	-54 49.6	
	22 3 4	-54 49.6	
	22 3 4	-54 49.6	
35	22 3 12	-54 25.7	
	22 3 12	-54 25.6	
	22 3 12	-54 25.6	
45	22 5 -3	-54 46.0	
neb?	22 5 2	-54 45.9	
	22 5 2	-54 46.0	
46	22 5 40	-54 47.5	
	22 5 40	-54 47.5	
	22 5 40	-54 47.5	
39	22 4 19	-52 18.6	-52 11995
	22 4 19	-52 18.6	-52 11985
	22 4 19	-52 18.6	22 7 38 -52 34.3
	Δα = 312″	Δ δ = 31.9′	22 2 26 -52 2.4
	= 47.0 mm	= 31.5 mm	
40	22 4 26	-52 11.5	
	22 4 26	-52 11.5	
	22 4 26	-52 11.5	

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A 7501
NEB.

	α	δ	Comp. Stars
42	22 6 27	-53 44.2	-54 10035
	22 6 27	-53 44.2	-53 10257
	22 6 27	-53 44.2	22 7 0 -54 20.4
	Δα = 62"	Δδ = 38.1	22 5 58 -53 42.3
	= 9.5 mm	= 38.5 mm	
44	22 6 42	-53 43.2	
	22 6 42	-53 43.2	
	22 6 42	-53 43.2	
43	22 6 52	-53 29.0	-53 10257
	22 6 52	-53 29.0	-53 16266
	22 6 52	-53 29.0	22 5 58 -53 42.3
	Δα = 172"	Δδ = 30.6'	22 8 30 -53 11.7
	= 25.5 mm	= 31.0 mm	
47	22 7 10	-54 48.5	-55 9801
	22 7 10	-54 48.5	-54 10057
	22 7 10	-54 48.5	22 5 40 -55 9.9
	Δα = 378"	Δδ = 31.0'	22 11 58 -54 38.9
	= 54.5 mm	= 30.5 mm	
48	22 7 55	-54 50.6	
	22 7 56	-54 50.6	
	22 7 56	-54 50.6	
49	22 8 16	-54 47.1	
	22 8 16	-54 47.0	
	22 8 16	-54 47.0	

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A 7501
NEB.

	α			δ		Comp. Stars
50	22	9	1	-54	40.4	22 5 40 -55 9.9
	22	9	1	-54	40.4	22 11 58 -54 38.9
	22	9	1	-54	40.4	
64	22	10	4	-54	43.0	
	22	10	4	-54	43.0	
	22	10	4	-54	43.0	
65	22	10	21	-54	49.1	
	22	10	21	-54	49.1	
	22	10	21	-54	49.1	
51	22	8	50	-52	19.5	-52 11995
	22	8	50	-52	19.5	-51 11803
	22	8	50	-52	19.5	22 7 38 -52 343
	Δα = 395"			Δ δ = 46.3'		22 14 13 -51 480
	= 60.5mm			= 46.5mm		
52	22	9	0	-52	19.8	
	22	9	0	-52	19.8	
	22	9	0	-52	19.8	
53	22	10	5	-51	49.0	
neb?	22	10	5	-51	49.0	
	22	10	5	-51	49.0	
59	22	11	7	-52	24.8	
	22	11	7	-52	24.8	
	22	11	7	-52	24.8	

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H 7501
NEB.

	α	δ	COMP. STARS
54	22 10 16	-50 59.6	-51 11897
	22 10 16	-50 59.6	-50 11668
	22 10 16	-50 59.6	22 12 34 -51 10.7
	Δα = 241'	Δδ = 20.7'	22 8 33 -50 50.0
	= 37.5 mm	= 21.5 mm	
55	22 12 21	-51 3.5	
	22 12 22	-51 3.5	
	22 12 22	-51 3.5	
63	22 9 55	-53 56.9	-54 10065
	22 9 54	-53 56.9	-53 10257
	22 9 54	-53 56.9	22 15 15 -54 17.9
	Δα = 557"	Δδ = 35.6'	22 5 58 -53 42.3
	= 82.0 mm	= 36.5 mm	
76	22 15 8	-53 43.7	
	22 15 8	-53 43.8	
	22 15 8	-53 43.8	
61	22 10 37	-53 17.6	-53 10281
	22 10 36	-53 17.6	-53 10266
	22 10 36	-53 17.6	22 13 40 -53 28.9
	Δα = 290"	Δδ = 17.2'	22 8 50 -53 11.7
	= 43.5 mm	= 17.5 mm	
62	22 10 23	-55 29.4	
	22 10 23	-55 29.4	
	22 10 23	-55 29.4	

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A 7501

NEB.	α	δ	COMP. STARS
69	22 11 57	-53 27.9	22 13 40 -53 20.9
neb?	22 11 57	-53 27.9	22 8 50 -53 11.7
	22 11 57	-53 27.9	
70	22 13 10	-53 27.4	
	22 13 10	-53 27.4	
	22 13 10	-53 27.4	
60	22 10 33	-53 1.3	-53 10266
	22 10 33	-52 1.3	-52 12011+
	22 10 33	-52 1.3	22 8 50 -53 11.7
	Δα = 448"	Δδ = 19.3	22 16 18 -52 32.4
	= 67.5 mm	= 18.5 mm	
71	22 14 5	-53 3.3	
	22 14 5	-53 3.4	
	22 14 5	-53 3.4	
72	22 14 42	-53 5.4	
	22 14 42	-53 5.4	
	22 14 42	-53 5.4	
66	22 12 29	-54 16.6	-54 10057
	22 12 29	-54 16.6	-54 10065
	22 12 29	-54 16.6	22 11 58 -54 38.9
	Δα = 197"	Δδ = 21.0'	22 15 13 -54 17.9
	= 28.5 mm	= 20.5 mm	

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A7501
NEB.

	α	δ	Comp. Stars
67	22 12 43	-54 35.8	22 11 58 -54 38.9
	22 12 43	-54 35.8	22 15 15 -54 17.9
	22 12 43	-54 35.8	
68	22 12 57	-54 23.5	
	22 12 57	-54 23.5	
	22 12 57	-54 23.5	
57	22 11 39	-49 45.9	-50 11689
	22 11 38	-49 45.9	-49 11570
	22 11 38	-49 45.9	22 16 11 -50 5.4
	Δα = 414"	Δδ = 285'	22 9 17 -49 36.9
	= 66.0 mm	= 30.0 mm	
58	22 12 51	-50 9.0	-50 11668
	22 12 51	-50 8.9	-50 11689
	22 12 51	-50 9.0	22 8 33 -50 30.0
	Δα = 458'	Δδ = 44.6"	22 16 11 -50 5.4
	= 73.5 mm	= 44.0 mm	
73	22 16 35	-51 52.8	-52 12023
	22 16 36	-51 52.6	-51 11803
	22 16 36	-51 52.7	22 19 34 -52 19.3
	Δα = 321"	Δδ = 31.3'	22 14 13 -51 48.0
	= 48.5 mm	= 33.0 mm	

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A 7501

NEB.	α	δ	COMP. STARS
75	22 15 57	-52 40.2	-52 12014
	22 15 57	-52 40.1	-52 12013
	22 15 57	-52 40.2	22 16 18 -52 7X4
	Δα = 39″	Δδ = 15.0′	22 15 39 -52 374
	= 5.5 mm	= 15.3	
74	22 17 20	-51 6.0	-51 11897
	22 17 19	-51 6.0	-50 11698
	22 17 20	-51 6.0	22 12 34 -51 10.7
	Δα = 511″	Δδ = 35.9′	22 21 5 -50 34.8
	= 82.3 mm	= 34.5 mm	
80	22 18 40	-50 8.7	-50 11698
	22 18 39	-50 8.7	-50 11689
	22 18 40	-50 8.7	22 21 5 -50 34.8
	Δα = 294″	Δδ = 29.4′	22 16 11 -50 5.4
	= 46.5 mm	= 31.0 mm	
82	22 19 18	-50 25.3	
	22 19 17	-50 25.3	
	22 19 18	-50 25.3	
78	22 17 40	-52 59.1	-53 10293
	22 17 40	-52 59.1	-52 12014
	22 17 40	-52 59.1	22 19 44 -53 29.1
	Δα = 206″	Δδ = 36.7′	22 16 18 -52 52.4
	= 30.0 mm	= 38.0 mm	

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A 7501
NEB.

	α	δ	Comp. Stars
79	22 18 55	-53 32.2	-54 10065
	22 18 55	-53 32.2	-53 10293
	22 18 55	-53 32.2	22 15 15 -54 17.9
	Δα = 269″	Δδ = 48.1′	22 19 44 -53 29.1
	= 41.0 mm	= 48.0 mm	
77	22 16 16	-54 17.9	-54 10071
	22 16 16	-54 17.9	-54 10065
	22 16 16	-54 17.9	22 17 4 -54 47.8
	Δα = 109″	Δδ = 29.9′	22 15 15 -54 17.9
	= 15.5 mm	= 30.3 mm	
81	22 18 47	-49 45.3	-50 11698
	22 18 47	-49 45.3	-49 11570
	22 18 47	-49 45.3	22 21 5 -50 34.8
	Δα = 708′	Δδ = 57.9′	22 9 17 -49 36.9
	= 113.0 mm	= 60.8 mm	
83	22 19 25	-49 55.8	
	22 19 25	-49 55.7	
	22 19 25	-49 55.8	
84	22 21 44	-54 37.9	-54 10071
	22 21 44	-54 37.9	-54 10088
	22 21 44	-54 37.9	22 17 4 -54 47.8
	Δα = 476″	Δδ = 35.7′	22 25 0 -54 12.1
	= 70.5 mm	= 32.5 mm	

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A 7501

NEB.	α	δ	COMP. STARS
87	22 23 53	-54 28.0	22 17 ? -54 47?
neb?	22 23 53	-54 28.0	22 25 0 -54 12.1
	22 23 53	-54 28.0	
85	22 22 9	-51 39.2	-52 12027
	22 22 10	-51 39.2	-51 11827
	22 22 10	-51 39.2	22 21 57 -51 53.0
	Δα = 198"	Δδ = 26.0'	22 25. 15 -51 27.0
	= 32.0 mm	= 24.5 mm	
86	22 23 32	-50 40.9	-51 11825
	22 23 32	-50 40.9	-50 11698
	22 23 32	-50 40.9	22 24 54 -50 54.6
	Δα = 229"	Δδ = 19.8'	22 21 5 -50 34.8
	= 35.0 mm	= 21.0 mm	
88	22 28 58	-52 55.2	-53 10313
	22 28 58	-52 55.2	-52 12035
	22 28 58	-52 55.2	22 30 10 -53 2.8
	Δα = 267"	Δδ = 25.3'	22 25 43 -52 37.5
	= 39.0 mm	= 26.5 mm	
89	22 29 56	-52 9.5	-52 12035
	22 29 56	-52 9.6	-52 12016
	22 29 56	-52 9.6	22 25 43 -52 37.5
	Δα = 281"	Δδ = 34.4'	22 30 24 -52 3.1
	= 45.5 mm	= 32.0 mm	

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A 7501
NEB.

	α	δ	COMP. STARS
90	22 31 18	−53 49.9	−54 10111
	22 31 18	−53 49.8	−53 10313
	22 31 18	−53 49.8	22 32 6 −53 52.7
	Δα = 116″	Δδ = 49.9′	22 30 10 −53 2.8
	= 13.2 mm	= 52.5 mm	
91	22 31 44	−53 29.6	
	22 31 44	−53 28.9	
	22 31 44	−53 29.0	
32	22 1 22	−53 44.3	−54 10010
	22 1 22	−53 44.2	−53 10249
	22 1 22	−53 44.2	21 59 19 −54 2.8
	Δα = 187″	Δδ = 47.4′	22 2 26 −53 15.4
	= 26.5 mm	= 48.5 mm	



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A 7033

A 7033

NEB.	α	δ	COMP. STARS
70	23 53 4	-67 42.3	-68 3598
	23 53 4	-67 42.3	-67 3991
	23 53 4	-67 42.3	1 0 24 -68 30.8
	Δα = 464″	Δ δ = 57.0′	23 52 40 -67 33.8
	= 48.5 mm	= 53.5	
3	23 55 56	-68 9.4	
	23 55 56	-68 9.4	
	23 55 56	-68 9.4	
2	23 57 42	-67 46.5	
	23 57 42	-67 46.6	
	23 57 42	-67 46.6	
71	23 55 2	-66 58.0	-67 3991
neb?	23 55 2	-66 57.9	-66 3822
	23 55 2	-66 58.0	23 52 40 -67 33.8
	Δα = 345″	Δ δ = 70.9′	23 58 25 -66 22.9
	= 26.8 mm	= 74.2 mm	
1	23 56 12	-66 36.3	-66 3822
	23 56 12	-66 36.2	-65 4186
	23 56 12	-66 36.2	23 58 25 -66 22.9
	Δα = 250″	Δ δ = 53.9′	23 54 15 -65 29.0
	= 31.0 mm	= 52.3 mm	
72	23 56 40	-66 4.1	
	23 56 40	-66 4.0	
	23 56 40	-66 4.0	

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H 7033

NEB.

	α	δ	Comp. Stars
73	23 57 33	-66 16.9	23 58 25 -66 22.9
	23 57 32	-66 16.8	23 54 15 -65 29.8
	23 57 32	-66 16.8	
74	23 59 59	-65 18.0	-65 4186
	23 59 58	-65 18.0	-64 4
	23 59 58	-65 18.0	23 54.5 -65 28.0
	Δα = 6.56″	Δδ = 38.6′	0 5 11 -64 30.4
	= 66.8 mm	= 44.0 mm	
75	0 0 49	-64 54.4	
neb?	0 0 47	-64 54.4	
	0 0 48	-64 54.4	
10	0 2 12	-65 4.9	
	0 2 11	-65 4.9	
	0 2 12	-65 4.9	
76	0 0 11	-67 14.2	-67 1
	0 0 11	-67 14.2	-66 3822
	0 0 11	-67 14.2	0 2 39 -67 27.1
	Δα = 2.54″	Δδ = 64.2′	23 58 25 -66 22.9
	= 30.0 mm	= 62.0 mm	
77	0 0 49	-67 25.0	
neb?	0 0 49	-67 25.0	
	0 0 49	-67 25.0	

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NEB.	α	δ	COMP. STARS
7	0 1 31	-67 16.2	0 2 39 -67 27.1
	0 1 31	-67 16.2	23 58 25 -66 22.9
	0 1 31	-67 16.2	
6	0 2 14	-67 24.5	
neb?	0 2 13	-67 24.4	
	0 2 14	-67 24.4	
5	0 3 24	-68 12.0	-68 3598
	0 3 24	-68 11.9	-68 2
	0 3 24	-68 12.0	0 0 24 -68 30.8
	Δα = 294″ = 24.5 mm	Δ δ = 38.2′ = 40.5 mm	0 5 18 -67 52.6
4	0 3 30	-68 12.0	
	0 3 30	-68 11.9	
	0 3 30	-68 12.0	
78	0 3 27	-69 16.8	-69 3349
	0 3 27	-69 16.8	-69 1
	0 3 27	-69 16.8	0 0 54 -69 21.9
	Δα = 300″ = 25.5 mm	Δ δ = 15.7′ = 17.8 mm	0 5 54 -69 6.2

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H 7033
NEB.

	α	δ	COMP. STARS
80	0 6 36	-69 11.4	-69 5
	0 6 35	-69 11.4	-69 1
	0 6 36	-69 11.4	0 13 21 -69 36.9
	Δα = 447"	Δ δ = 30.7'	0 5 54 -69 6.2
	= 40.8 mm	= 29.5 mm	
81	0 7 21	-69 15.1	
	0 7 19	-69 15.0	
	0 7 20	-69 15.0	
82	0 8 26	-69 10.9	
	0 8 25	-69 10.9	
	0 8 26	-69 10.9	
89	0 12 27	-69 15.6	
neb?	0 12 26	-69 15.6	
	0 12 26	-69 15.6	
87	0 8 46	-68 48.2	-69 1
	0 8 46	-68 48.2	-68 3
	0 8 46	-68 48.2	0 5 54 -69 6.2
	Δα = 172"	Δ δ = 20.9'	0 8 46 -68 45.3
	= 14.5 mm	= 22.0 mm	
84	0 9 12	-68 25.7	-68 4
	0 9 12	-68 25.8	-68 2
	0 9 12	-68 25.8	0 11 14 -68 27.3
	Δα = 356"	Δ δ = 34.7'	0 5 18 -67 52.6
	= 35.0 mm	= 39.5 mm	

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A 7033

NEB.	α	δ	COMP. STARS
85	0 9 22	-68 27.3	
	0 9 22	-68 27.3	
	0 9 22	-68 27.3	
8	0 7 43	-67 2.3	-67 2
	0 7 44	-67 2.3	-66 18
	0 7 44	-67 2.3	0 3 31 -67 4.1
	Δα = 678"	Δδ = 37.1'	0 14 49 -66 27.0
	= 67.5sec m	= 40.5	
9	0 8 0	-67 3.7	
	0 8 1	-67 3.6	
	0 8 0	-67 3.6	
79	0 8 47	-66 30.2	
	0 8 47	-66 30.2	
	0 8 47	-66 30.2	
15	0 10 5	-66 28.3	
	0 10 5	-66 28.3	
	0 10 5	-66 28.3	
86	0 10 51	-66 27.0	
	0 10 51	-66 27.6	
	0 10 51	-66 27.0	
91	0 12 44	-66 59.0	
	0 12 45	-66 59.0	
	0 12 44	-66 59.0	

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NEB.

	α	δ	COMP. STARS
14	0 13 11	-66 31.1	0 3 31 -67 4.1
	0 13 11	-66 31.1	0 14 49 -66 27.0
	0 13 11	-66 31.1	
11	0 10 34	-65 18.8	-66 20
	0 10 35	-65 18.8	-64 4
	0 10 34	-65 18.8	0 16 17 -66 0.5
	Δα = 666"	Δδ = 70.1'	0 5 11 -64 50.4
	= 71.0 mm	= 68.0 mm	
83	0 11 54	-65 20.3	
	0 11 55	-65 20.2	
	0 11 54	-65 20.2	
12	0 14 20	-65 47.1	
	0 14 21	-65 47.1	
	0 14 20	-65 47.1	
92	0 14 34	-66 7.6	-66 28
	0 14 32	-66 7.6	-65 5
	0 14 33	-66 7.6	0 20 54 -66 20.4
	Δα = 718"	Δδ = 31.7'	0 8 56 -65 48.7
	= 73.5 mm	= 31.0	
93	0 14 58	-66 8.6	
	0 14 57	-66 8.6	
	0 14 58	-66 8.6	

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A 7033

Neb.	α	δ	Comp. Stars
13	0 15 57	-66 9.2	0 20 54 -66 20.4
	0 15 56	-66 9.1	0 8 56 -65 48.7
	0 15 56	-66 9.2	
37	0 18 23	-66 19.9	
	0 18 22	-66 19.8	
	0 18 22	-66 19.8	
36	0 18 28	-66 20.4	
	0 18 26	-66 20.4	
	0 18 27	-66 20.4	
35	0 18 33	-66 20.9	
	0 18 31	-66 20.9	
	0 18 32	-66 20.9	
30	0 20 11	-67 3.2	-67 21
	0 20 10	-67 3.2	-67 29
	0 20 10	-67 3.2	0 16 18 -67 28.5
	Δα = 4'18"	Δ δ = 28.2'	0 23 16 -67 0.3
	= 40.5 mm	= 28.5 mm	
29	0 20 21	-67 3.7	
	0 20 20	-67 3.7	
	0 20 20	-67 3.7	
28	0 20 21	-67 4.7	
	0 20 20	-67 4.7	
	0 20 20	-67 4.7	

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H 7033

NEB.

	α	δ	Comp. Stars
99	0 21 28	−67 3.2	0 16 18 −67 28.5
	0 21 27	−67 3.2	0 23 16 −67 03
	0 21 28	−67 3.2	
94	0 16 51	−66 41.4	−67 29
	0 16 51	−66 41.4	−66 18
	0 16 51	−66 41.4	0 23 16 −67 0.3
	Δα = 507″	Δ δ = 33.3′	0 14 49 −66 27.0
	= 50.0 mm	= 33.5 mm	
97	0 19 18	−66 54.8	
	0 19 17	−66 54.8	
	0 19 18	−66 54.8	
100	0 22 20	−66 56.8	
	0 22 19	−66 56.8	
	0 22 20	−66 56.8	
18	0 15 24	−68 1.4	−68 11
	0 15 23	−68 1.3	−68 2
	0 15 24	−68 1.4	0 20 59 −68 17.9
	Δα = 941″	Δ δ = 25.3′	0 5 18 −67 52.6
	= 88.5 mm	= 23.0 mm	
19	0 16 17	−67 57.0	
	0 16 18	−67 57.0	
	0 16 18	−67 57.0	

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A 7033

Neb.	α	δ	Comp. Stars
20	0 16 17	-67 58.6	0 20 59 -68 17.9
	0 16 18	-67 58.7	0 5 18 -67 52.6
	0 16 18	-67 58.6	
21	0 16 28	-67 55.4	
	0 16 28	-67 55.3	
	0 16 28	-67 55.4	
22	0 16 23	-67 54.3	
	0 16 23	-67 54.2	
	0 16 23	-67 54.2	
23	0 16 23	-67 53.7	
	0 16 23	-67 53.7	
	0 16 23	-67 53.7	
26	0 18 41	-68 16.3	
	0 18 43	-68 16.2	
	0 18 42	-68 16.2	
101	0 20 27	-68 10.8	
	0 20 28	-68 10.8	
	0 20 28	-68 12.8	
88	0 11 23	-67 38.5	-68 2
	0 11 23	-67 38.5	-67 21
	0 11 23	-67 38.5	0 5 18 -67 52.6
	Δα = 660″	Δδ = 24.1′	0 14 18 -67 28.5
	= 61.5 mm	= 26.5 mm	

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H 7033
NEB.

	α	δ	Comp. Stars
16	0 13 21	-67 35.8	0 5 18 -67 52.6
	0 13 21	-67 35.8	0 16 18 -67 28.5
	0 13 21	-67 35.8	
17	0 13 53	-67 51.3	
	0 13 53	-67 51.3	
	0 13 53	-67 51.3	
95	0 16 54	-69 47.4	-70 54
	0 16 54	-69 47.4	-69 9
	0 16 54	-69 47.4	0 22 12 -69 51.9
	Δα = 335″	Δδ = 45.8′	0 16 37 -69 6.1
	= 29.5 mm	= 46.0 mm	
96	0 18 37	-69 13.6	
	0 18 36	-69 13.6	
	0 18 36	-69 13.6	
102	0 20 53	-69 22.0	
	0 20 52	-69 22.0	
	0 20 52	-69 22.0	
24	0 10 35	-69 0.4	-69 9
	0 10 36	-69 0.4	-68 3
	0 10 36	-69 0.4	0 16 37 -69 6.1
	Δα = 471″	Δδ = 20.8′	0 8 46 -68 45.3
	= 43.0 mm	= 20.0 mm	

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A 7033

NEB.	α	δ	COMP. STARS
25	0 12 47	-68 59.9	
	0 12 47	-68 59.8	
	0 12 47	-68 59.8	
90	0 13 9	-69 0.9	
	0 13 9	-69 0.8	
	0 13 9	-69 0.8	
138	0 16 8	-67 6.4	-67 21
	0 16 7	-67 6.4	-67 2
	0 16 8	-67 6.4	0 16 18 -67 28.5
	Δα = 767"	Δδ = 24.4'	0 3 31 -67 4.1
	= 75.0 mm	= 21.5 mm	
98	0 20 56	-65 16.4	-65 15
	0 20 55	-65 16.4	-65 50
	0 20 56	-65 16.4	0 16 12 -65 37.9
	Δα = 716"	Δδ = 43.4'	0 28 8 -64 54.5
	= 75.8 mm	= 43.4	
103	0 22 1	-67 58.8	-68 11
	0 22 1	-67 58.8	-67 32
	0 22 1	-67 58.8	0 20 58 -68 17.9
	Δα = 298"	Δδ = 48.8'	0 25 56 -67 29.1
	= 28.5 mm	= 48.5 mm	
27	0 22 53	-67 47.7	
	0 22 53	-67 47.7	
	0 22 53	-67 47.7	

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H 7033
NEB.

	α	δ	Comp. Stars
34	0 24 6	-66 35.7	-67 29
	0 24 6	-66 35.7	-66 40
	0 24 6	-66 35.7	0 23 16 -67 0.3
	Δα = 508"	Δ δ = 39.2'	0 31 44 -66 21.1
	= 51.5 mm	= 37.5 mm	
105	0 26 58	-66 32.1	
	0 26 58	-66 32.1	
	0 26 58	-66 32.1	
43	0 28 32	-66 35.2	
ring neb?	0 28 32	-66 35.2	
	0 28 32	-66 35.2	
104	0 23 41	-69 30.0	-69 12
	0 23 41	-69 30.0	-69 10
	0 23 41	-69 30.0	0 26 43 -69 35.4
	Δα = 507"	Δ δ = 22.5'	0 18 16 -69 12.9
	= 44.5 mm	= 23.0 mm	
54	0 28 13	-69 8.0	-69 12
	0 28 13	-69 7.9	-68 21
	0 28 13	-69 8.0	0 26 43 -69 35.4
	Δα = 327"	Δ δ = 52.9'	0 32 10 -68 42.5
	= 31.0 mm	= 52.0 mm	

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H 7033

NEB.	α	δ	COMP. STARS
108	0 28 50	−68 58.8	0 26 43 −69 05.4
	0 28 50	−68 58.8	0 32 10 −68 42.5
	0 28 50	−68 58.8	
109	0 30 35	−68 46.6	
	0 30 35	−68 46.6	
	0 30 35	−68 46.6	
106	0 28 20	−67 51.3	−68 15
	0 28 20	−67 51.3	−67 43
	0 28 20	−67 51.3	0 28 5 −68 33.7
	Δα = 228″ = 23.0 mm	Δδ = 48.9′ = 48.5 mm	0 31 53 −67 44.8
107	0 28 25	−68 32.7	
	0 28 24	−68 32.8	
	0 28 24	−68 32.8	
J2	0 29 10	−68 18.6	
	0 29 9	−68 18.6	
	0 29 10	−68 18.6	
J1	0 30 14	−68 12.5	
	0 30 14	−68 12.5	
	0 30 14	−68 12.6	
46	0 30 9	−68 10.0	
	0 30 9	−68 10.0	
	0 30 9	−68 10.0	

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H 7033
NEB.

	α		δ		Comp. Stars
47	0	30 14	−68	10.5	0 28 5 −68 33.7
	0	30 14	−68	10.5	0 31 53 −67 44.8
	0	30 14	−68	10.5	
48	0	30 24	−68	13.1	
	0	30 23	−68	13.0	
	0	30 24	−68	13.0	
49	0	30 43	−68	14.8	
	0	30 43	−68	14.7	
	0	30 43	−68	14.8	
50	0	30 46	−68	14.5	
	0	30 45	−68	14.5	
	0	30 46	−68	14.5	
110	0	30 44	−67	52.9	
	0	30 43	−67	52.9	
	0	30 44	−67	52.9	
111	0	31 13	−68	15.1	
	0	31 13	−68	15.1	
	0	31 13	−68	15.1	
40	0	28 43	−65	51.1	−66 40
	0	28 42	−65	51.1	−65 39
	0	28 42	−65	51.1	0 31 44 −66 21.1
	Δα = 42.2′ = 41.8 mm		Δδ = 32.4′ = 34.2 mm		0 24 42 −65 48.7

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A 7033

Neb.	α	δ	Comp. Stars
42	0 31 14	-66 7.2	
	0 31 13	-66 7.2	
	0 31 14	-66 7.2	
117	0 35 32	-69 41.3	-69 26
	0 35 32	-69 41.3	-69 19
	0 35 32	-69 41.3	0 45 12 -69 40.1
	Δα = 598″ = 50.5 mm	Δ δ = 228′ = 27.5 mm	0 35 14 -69 17.3
116	0 34 44	-68 31.9	-68 21
	0 34 45	-68 31.9	-68 27
	0 34 44	-68 31.9	0 32 10 -68 49.5
	Δα = 570″ = 53.5 mm	Δ δ = 17.4′ = 14.0 mm	0 41 40 -68 25.1
55	0 36 42	-68 25.7	
	0 36 42	-68 25.7	
	0 36 42	-68 25.7	
119	0 37 28	-68 24.2	-68 27
	0 37 28	-68 24.3	-67 43
	0 37 28	-68 24.2	0 41 40 -68 25.1
	Δα = 587″ = 52.3 mm	Δ δ = 40.3′ = 44.3 mm	0 31 53 -67 44.8
120	0 38 29	-68 19.2	
	0 38 29	-68 19.2	
	0 38 29	-68 19.2	

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A 7033
NEB.

	α			δ			Comp. Stars				
123	0	40	38	-68	6.9		0	41	40	-68	25.1
	0	40	38	-68	7.0		0	31	53	-67	44.8
	0	40	38	-68	7.0						
124	0	41	34	-68	21.5						
not?	0	41	34	-68	21.5						
	0	41	34	-68	21.5						
115	0	35	29	-67	38.6			-67	43		
	0	35	29	-67	38.6			-67	51		
	0	35	29	-67	38.6		0	31	53	-67	44.8
	Δα = 455"			Δ δ = 12.6'			0	39	28	-67	32.2
	= 40.0 mm			= 9.8 mm							
57	0	36	32	-67	36.1						
	0	36	32	-67	36.1						
	0	36	32	-67	36.1						
411	0	32	6	-65	55.3			-66	40		
	0	32	6	-65	55.3			-65	61		
	0	32	6	-65	55.3		0	31	44	-66	21.1
	Δα = 52"			Δ δ = 36.2'			0	32	36	-65	44.9
	= 7.0 mm			= 36.5 mm							
139	0	31	23	-65	22.8			-66	48		
	0	31	23	-65	22.8			-65	50		
	0	31	23	-65	22.8		0	38	23	-65	57.3
	Δα = 615"			Δ δ = 62.8'			0	28	8	-64	54.5
	= 60.0 mm			= 65.5 mm							

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1930phae.proj.290M

H 7033

NEB.	α	δ	COMP. STARS
140	0 31 33	-65 25.7	0 38 23 -65 57.3
neb?	0 31 33	-65 25.7	0 28 8 -64 54.5
	0 31 33	-65 25.7	
39	0 31 33	-65 22.3	
	0 31 33	-65 22.3	
	0 31 33	-65 22.3	
38	0 31 39	-65 12.3	
	0 31 38	-65 12.2	
	0 31 38	-65 12.2	
112	0 33 0	-65 5.1	
neb?	0 33 0	-65 5.0	
	0 33 0	-65 5.0	
58	0 33 52	-65 40.1	
neb?	0 33 51	-65 40.0	
	0 33 52	-65 40.0	
118	0 35 19	-65 37.2	
	0 35 18	-65 37.1	
	0 35 18	-65 37.2	
59	0 37 1	-65 23.8	
	0 37 0	-65 23.7	
	0 37 0	-65 23.8	

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1930phae.proj.230M

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H 7083

NEB.	α	δ	COMP. STARS
121	0 40 0	-68 43.6	-69 26
	0 40 0	-68 43.5	-68 22
	0 40 0	-68 43.6	0 45 12 -69 40.1
	Δα = 692″	Δ δ = 70.3′	0 33 40 -68 29.8
	= 56.5 mm	= 75.6 mm	
122	0 40 26	-69 19.7	
	0 40 24	-69 19.7	
	0 40 25	-69 19.7	
66	0 43 9	-69 3.1	
	0 43 10	-69 3.0	
	0 43 10	-69 3.0	
113	0 33 32	-64 46.0	-65 50
neb?	0 33 32	-64 45.9	-64 63
	0 33 32	-64 46.0	0 28 8 -64 54.5
	Δα = 458″	Δ δ = 15.3′	0 35 46 -64 39.2
	= 49.5 mm	= 12.5 mm	
114	0 34 55	-64 47.2	
	0 34 55	-64 47.2	
	0 34 55	-64 47.2	
			-67 51
125	0 42 8	-67 21.8	-66 56
neb?	0 42 8	-67 21.8	0 39 48 -67 32.2
	0 42 8	-67 21.8	0 44 12 -66 49.4
	Δα = 284″	Δ δ = 42.8′	
	= 35.5 mm	= 41.0 mm	

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1930phae.proj.2961M

A 7033

NEB.	α	δ	COMP. STARS
126	0 42 36	-67 13.9	0 39 28 -67 32.2
	0 42 36	-67 14.0	0 44 12 -66 49.4
	0 42 36	-67 14.0	
128	0 44 43	-67 0.0	-67 57
	0 44 42	-67 0.0	-66 56
	0 44 42	-67 0.0	0 48 57 -67 26.6
	Δα = 285″ = 23.5 mm	Δδ = 37.2′ = 40.5 mm	0 44 12 -66 49.4
129	0 45 55	-67 11.0	
	0 45 55	-67 11.0	
	0 45 55	-67 11.0	
130	0 44 13	-68 11.3	-68 27
	0 44 13	-68 11.1	-67 57
	0 44 13	-68 11.2	0 41 40 -68 25.1
	Δα = 437″ = 47.0 mm	Δδ = 58.5′ = 54.5 mm	0 48 57 -67 26.6
64	0 45 14	-67 48.6	
	0 45 14	-67 48.6	
	0 45 14	-67 48.6	
65	0 46 10	-68 14.9	
	0 46 10	-68 14.8	
	0 46 10	-68 14.8	

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1930phae.proj.233M

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A 7033

NEB

	α	δ	Comp. Stars
132	0 47 52	-67 57.2	0 41 40 -68 25.1
neb?	0 47 52	-67 57.2	0 48 57 -67 26.6
	0 47 52	-67 57.2	
60	0 44 41	-65 21.9	-66 48
	0 44 40	-65 21.9	-65 89
	0 44 40	-65 21.9	0 38 28 -65 57.3
	Δα = 616″	Δ δ = 34.1′	0 48 39 -65 23.2
	= 67.0 mm	= 27.0 mm	
127	0 44 41	-65 31.0	
	0 44 40	-65 30.9	
	0 44 40	-65 31.0	
61	0 48 3	-65 52.2	
	0 48 2	-65 52.2	
	0 48 2	-65 52.2	
133	0 48 30	-65 32.7	
neb?	0 48 30	-65 32.7	
	0 48 30	-65 32.7	
62	0 50 12	-66 26.3	-66 56
	0 50 12	-66 26.2	-66 76
	0 50 12	-66 26.2	0 44 12 -66 49.4
	Δα = 486″	Δ δ = 48.5′	0 52 18 -66 0.9
	= 54.0 mm	= 45.0 mm	

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A 7033

Neb.	α	δ	Comp. Stars
134	0 50 57	-66 30.6	0 44 12 -66 49.4
	0 50 57	-66 30.5	0 52 18 -66 0.9
	0 50 57	-66 30.6	
135	0 52 9	-66 10.6	
	0 52 9	-66 10.6	
	0 52 9	-66 10.6	
63	0 54 11	-67 36.2	-67 65
	0 54 10	-67 36.1	-67 57
	0 54 10	-67 36.2	0 56 11 -67 49.3
	Δα = 434"	Δ δ = 20.7'	0 48 57 -67 26.6
	= 38.0 mm	= 26.0 mm	
136	0 54 46	-67 25.8	
	0 54 45	-67 25.8	
	0 54 46	-67 25.8	
137 neb?	0 54 57	-67 46.5	
	0 54 56	-67 46.4	
	0 54 56	-67 46.4	
68	0 50 10	-69 21.5	-69 26
	0 50 11	-69 21.6	-68 35
	0 50 10	-69 21.6	0 45 12 -69 40.1
	Δα = 542"	Δ δ = 56.1'	0 54 14 -68 44.0
	= 54.5 mm	= 50.4 mm	

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A 7033
NEB.

	α	δ	Comp. Stars	
67	0 52 39	−69 5.8	0 45 12 −69 40.1	
	0 52 40	−69 6.0	0 54 14 −68 44.0	
	0 52 40	−69 6.0		
69	0 55 23	−69 20.0	−69 33	
	0 55 24	−69 20.0	−68 35	
	0 55 24	−69 20.0	1 0 1.8 −69 42.2	
	Δα = 364″	Δδ = 68.2′	0 54 14 −68 44.0	
	= 23.5 mm	= 63.0 mm		
131	0 45 31	−69 17.6	0 45 12 −69 40.1	−69 26
	0 45 31	−69 17.7	0 54 14 −68 44.0	−68 35
	0 45 31	−69 17.6		
44	0 27 10	−67 40.7	−67 43	
	0 27 11	−67 40.7	−67 32	
	0 27 10	−67 40.7	0 31 53 −67 44.8	
	Δα = 357″	Δδ = 15.7′	0 25 56 −67 29.1	
	= 33.5 mm	= 17.0 mm		
45	0 27 22	−67 43.4		
	0 27 21	−67 43.3		
	0 27 22	−67 43.4		

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A 14248

A 14248

NEB.	α	δ	COMP. STARS
1	22 46 50.0	-26 52.4	-27 16075
	22 46 50	-26 52.4	-26 16363
	22 46 50	-26 52.4	22 45 32 -26 56.1
	Δα = 98″	Δ δ = 17.1′	22 47 10 -26 41.0
	= 22.0mm	= 18.0mm	
2	22 47 10	-26 46.2	
	22 47 10	-26 46.2	
	22 47 10	-26 46.2	
3	22 47 3	-25 59.8	-26 16356
neb?	22 47 3	-25 59.8	-25 16166
	22 47 3	-25 59.8	22 46 36 -26 8.2
	Δα = 137″	Δ δ = 37.9′	22 48 53 -25 30.3
	= 30.8mm	= 37.6mm	
4	22 48 0	-25 54.8	
neb?	22 48 1	-25 54.8	
	22 48 0	-25 54.8	
5	22 48 3	-25 54.3	
	22 48 3	-25 54.3	
	22 48 3	-25 54.3	
49	22 46 22	-24 30.9	-24 17366
	22 46 22	-24 30.9	-24 17406
	22 46 22	-24 30.9	22 46 9 -24 368
	Δα = 282″	Δ δ = 14.0′	22 50 51 -24 22.8
	= 64.5mm	= 13.8mm	

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A 14248
NEB.

	α		δ		COMP. STARS
40	22 49	2	-24	29.4	22 46 9 -24 36.8
	22 49	2	-24	29.4	22 50 51 -24 22.8
	22 49	2	-24	29.4	
39	22 48	48	-24	35.5	
	22 48	49	-24	35.5	
	22 48	48	-24	35.5	
d	22 50	16	-24	29.4	
	22 50	16	-24	29.4	
	22 50	16	-24	29.4	
36	22 46	35	-24	35.0	
	22 46	35	-24	35.0	
	22 46	35	-24	35.0	
42	22 46	40	-23	26.7	-23 17653
	22 46	40	-23	26.7	-23 17630
	22 46	40	-23	26.7	22 47 52 -23 45.7
	Δα = 156″		Δδ = 31.3′		22 45 16 -23 14.4
	= 37.0 mm		= 31.3 mm		
43	22 48	37	-23	32.6	-23 17653
	22 48	37	-23	32.6	-23 17665
	22 48	37	-23	32.6	22 47 52 -23 45.7
	Δα = 99″		Δδ = 52.7′		22 49 31 -22 53.0
	= 22.0 mm		= 52.5 mm		

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A 14248

NEB.	α	δ	COMP. STARS
44	22 48 55	-23 0.0	22 47 52 -23 45.7
neb?	22 48 55	-23 0.0	22 49 31 -22 53.0
	22 48 55	-23 0.0	
f	22 49 30	-23 24.6	
neb?	22 49 31	-23 24.6	
	22 49 30	-23 24.6	
41	22 47 32	-24 0.6	-24 17406
	22 47 32	-24 0.5	-23 17653
	22 47 32	-24 0.6	22 50 51 -24 22.8
	Δα = 179″	Δδ = 37.1′	22 47 52 -23 45.7
	= 40.5 mm	= 37.5 mm	
38	22 49 40	-24 10.9	
	22 49 40	-24 10.9	
	22 49 40	-24 10.9	
37	22 50 27	-24 15.4	
	22 50 27	-24 15.4	
	22 50 27	-24 15.4	
6	22 50 43	-26 10.6	-26 16373
	22 50 44	-26 10.6	-26 16394
	22 50 44	-26 10.6	22 49 15 -26 22.0
	Δα = 177″	Δδ = 23.1′	22 52 12 -25 58.9
	= 40.0 mm	= 24.3 mm	

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A 14248

NEB.

	α	δ	COMP. STARS
7	22 51 40	-26 7.8	22 49 15 -26 22.0
	22 51 41	-26 7.8	22 52 12 -25 58.9
	22 51 40	-26 7.8	
46	22 49 18	-27 24.9	-27 16103
	22 49 18	-27 25.0	-26 16363
	22 49 18	-27 25.0	22 49 51 -27 39.5
	Δα = 161″	Δδ = 58.5′	22 47 10 -26 41.0
	= 36.5 mm	= 60.0 mm	
48	22 51 18	-25 28.4	-25 16166
	22 51 18	-25 28.3	-25 16206
	22 51 18	-25 28.4	22 48 53 -25 30.3
	Δα = 259″	Δδ = 17.6′	22 53 12 -25 12.7
	= 59.0 mm	= 18.0 mm	
C			-24 17406
neb?	22 52 32	-23 49.2	-23 17699
	22 52 32	-23 49.2	22 50 51 -24 22.8
	22 52 32	-23 49.2	22 55 2 -23 3.7
	Δα = 251″	Δα = 79.1′	
	= 57.0 mm	δ = 80.0 mm	
31	22 53 21	-24 9.0	
	22 53 21	-24 3.2	
	22 53 21	-24 3.1	

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A 14248

NEB.

	α	δ	Comp. Stars
a	22 53 37	-26 3.8	-26 16418
	22 53 37	-26 3.8	-26 16394
	22 53 37	-26 3.8	22 55 0 -26 39.8
	Δα = 168″	Δδ = 40.9′	22 52 12 -25 58.9
	= 37.5 mm	= 41.5 mm	
9	22 54 6	-26 22.6	
	22 54 6	-26 22.7	
	22 54 6	-26 22.7	
10	22 54 15	-26 26.5	
no check	22 54 15	-26 26.5	
	22 54 15	-26 26.5	
11	22 54 17	-26 27.5	
no check	22 54 17	-26 27.5	
	22 54 17	-26 27.5	
8	22 54 17	-26 17.2	
no check	22 54 17	-26 17.1	
	22 54 17	-26 17.2	
28	22 55 8	-23 12.0	-23 17726
no check	22 55 8	-23 11.9	-23 17699
	22 55 8	-23 12.0	22 59 30 -23 42.0
	Δα = 268″	Δδ = 38.3′	22 55 2 -23 3.7
	= 62.5 mm	= 39.5 mm	

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1930phae.proj.230M

178

A 14248
Neb.

	α	δ	Comp. Stars
27	22 55 34	-23 19.2	22 59 30 -23 42.0
no check	22 55 34	-23 19.2	22 55 2 -23 3.7
	22 55 34	-23 19.2	
26	22 56 17	-23 14.4	
no check	22 56 17	-23 14.4	
	22 56 17	-23 14.4	
25	22 56 54	-23 37.6	
no check	22 56 54	-23 37.7	
	22 56 54	-23 37.6	
24	22 58 51	-23 31.3	
no check	22 58 51	-23 31.3	
	22 58 51	-23 31.3	
34	22 57 10	-24 50.9	-25 16231
no check	22 57 10	-24 50.9	-24 17470
	22 57 10	-24 50.9	22 55 56 -25 9.9
	Δα = 182"	Δδ = 36.0'	22 58 58 -24 33.9
	= 42.0 mm	= 36.0 mm	
35	22 57 33	-24 43.4	
no check	22 57 34	-24 43.4	
	22 57 34	-24 43.4	

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A 14248

NEB.	α	δ	COMP. STARS
32	22 55 34	−25 32.1	−26 16394
no check	22 55 34	−25 32.1	−25 16231
	22 55 34	−25 32.1	22 52 12 −25 38.8
	Δα = 224″	Δδ = 49.0′	22 55 56 −25 9.9
	= 51.0 mm	= 48.5 mm	
33	22 55 43	−25 32.6	
no check	22 55 43	−25 32.6	
	22 55 43	−25 32.6	
12	22 56 11	−26 39.8	−26 16418
no check	22 56 11	−26 39.8	−26 16453
	22 56 11	−26 39.8	22 55 0 −26 39.8
	Δα = 211″	Δδ = 21.7′	22 58 31 −26 18.1
	= 47.5 mm	= 22.0 mm	
13	22 57 33	−26 28.0	
no check	22 57 33	−26 28.0	
	22 57 33	−26 28.0	
29	22 59 18	−23 0.6	−23 17699
no check	22 59 18	−23 0.6	−22 16168
	22 59 18	−23 0.6	22 55 2 −23 3.7
	Δα = 288″	Δδ = 17.3′	22 59 50 −22 46.4
	= 54.0 mm	= 17.0 mm	
30	22 59 50	−22 51.0	
no check	22 59 50	−22 51.0	
	22 59 50	−22 51.0	

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A 14248
NEB.

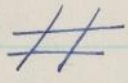
	α	δ	COMP. STARS
14	23 1 11	-25 58.7	-26 16453
no check	23 1 10	-25 58.7	-26 16481
	23 1 10	-25 58.7	22 58 31 -26 18.1
	Δα = 204″	Δ δ = 23.5′	23 1 55 -25 54.6
	= 46.0 mm	= 23.0 mm	
16	23 4 11	-25 5.0	-25 16291
no check	23 4 11	-25 5.0	-24 17536
	23 4 11	-25 5.0	23 2 53 -25 16.8
	Δα = 259″	Δ δ = 28.1′	23 7 12 -24 48.7
	= 60.0 mm	= 27.9 mm	
17	23 4 32	-25 3.9	
no check	23 4 32	-25 3.9	
	23 4 32	-25 3.9	
20	23 6 16	-24 54.2	
no check	23 6 16	-24 54.2	
	23 6 16	-24 54.2	
24	23 4 28	-24 18.1	-24 17510
no check	23 4 29	-24 18.1	-24 17527
	23 4 28	-24 18.1	23 3 48 -24 29.3
	Δα = 137″	Δ δ = 15.3	23 6 5 -24 14.0
	= 32.0 mm	= 15.0 mm	

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A 14248

NEB.	α	δ	COMP. STARS
23	23 3 37	-23 25.5	-23 17770
no check	23 3 37	-23 25.5	-23 17744
	23 3 37	-23 25.5	23 4 29 -23 32.1
	Δα = 183″	Δδ = 13.2′	23 1 26 -23 18.9
	= 42.0 mm	= 14.0 mm	
15	23 6 32	-25 45.7	-26 16523
no check	23 6 32	-25 45.6	-25 16291
	23 6 32	-25 45.6	23 6 48 -25 56.8
	Δα = 235″	Δδ = 40.0′	23 2 53 -25 16.8
	= 53.0 mm	= 41.5 mm	
b	23 10 11	-25 28.4	
no check	23 10 12	-25 28.4	
	23 10 12	-25 28.4	



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1930phae.proj.231M

A 14257 – there is no check for this plate – many doubted.

A 14257
NEB.

	α	δ	COMP. STARS
1	19 4 1	−18 5.3	−18 5232
	19 4 1	−18 5.2	−17 5493
	19 4 1	−18 5.2	19 4 19 −18 20.7
	Δα = 71″	Δδ = 39.7′	19 3 8 −17 41.5
	= 17.5mm	= 39.3mm	
2	19 3 49	−18 16.4	
	19 3 49	−18 16.4	
	19 3 49	−18 16.4	
3	19 5 46	−18 25.5	−19 5346
neb?	19 5 46	−18 25.4	−18 5232
	19 5 46	−18 25.4	19 7 34 −19 1.6
	Δα = 195″	Δδ = 40.9′	19 4 19 −18 20.7
	= 46.0mm	= 41.3mm	
4	19 6 39	−18 43.3	
	19 6 39	−18 43.3	
	19 6 39	−18 43.3	
b	19 5 43	−20 55.3	−21 5301
neb?	19 5 43	−20 55.2	−20 5423
defect: cf. 14880	~~19 5 43~~	~~−20 55.2~~	19 8 2 −21 22.6
	Δα = 179″	Δδ = 73.9′	19 5 3 −20 8.7
	= 42.5mm	= 74.5mm	
7	19 6 23	−20 20.6	
neb?	19 6 23	−20 20.6	
several stars: cf. 14880	~~19 6 23~~	~~−20 20.6~~	

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1930phae.proj.230M

A 14257

NEB.	α	δ	COMP. STARS
8	19 6 18	-21 38.3	-21 5278
neb?	19 6 18	-21 38.3	-21 5301
3 stars: cf 14880	~~19 6 18~~	~~-21 38.3~~	19 4 36 -21 50.3
	Δα = 206"	Δδ = 27.7'	19 8 α -21 22.6
	= 48.5 mm	= 28.2 mm	
9	19 7 24	-21 28.0	
	19 7 24	-21 28.0	
	19 7 24	-21 28.0	
a	19 7 10	-20 1.8	-20 5423
neb?	19 7 10	-20 1.7	-19 5348
2 stars: cf. 14880	~~19 7 10~~	~~-20 1.8~~	19 5 3 -20 8.7
	Δα = 182"	Δδ = 32.8'	19 8 5 -19 35.9
	= 43.0 mm	= 33.0 mm	
5	19 8 20	-19 12.3	-19 5348
	19 8 20	-19 12.3	-19 5372
	19 8 20	-19 12.3	19 8 5 -19 35.9
	Δα = 193"	Δδ = 26.1	19 11 18 -19 9.8
	= 46.0 mm	= 26.0 mm	
6	19 9 12	-19 25.9	
	19 9 12	-19 25.9	
	19 9 12	-19 25.9	

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1930phae.proj.2301M

#14257

NEB.

	α	δ	COMP. STARS
10	19 8 33	-21 29.9	-22 5035
	19 8 32	-21 29.9	-21 5301
	19 8 33	-21 29.9	19 10 38 -21 583
	Δα = 156″	Δδ = 35.7′	19 8 2 -21 22.6
	= 36.0	= 36.5	
11	19 8 24	-21 56.8	
	19 8 24	-21 56.8	
3 stars : cf. 14880	~~19 8 24~~	~~-21 56.8~~	
12	19 10 18	-21 50.0	
neb?	19 10 18	-21 50.0	
3 stars : cf. 14880	~~19 10 18~~	~~-21 50.0~~	
2	19 10 57	-21 20.1	-21 5301
neb.?	19 10 57	-21 20.1	-21 5326
	19 10 57	-21 20.1	19 8 2 -21 22.6
	Δα = 196″	Δδ = 7.6′	19 11 18 -21 15.0
	= 45.8 mm	= 7.5 mm	
21	19 11 20	-19 18.1	-19 5393
	19 11 21	-19 18.1	-19 5378
	19 11 20	-19 18.1	19 13 31 -19 38.4
	Δα = 133″	Δδ = 28.6′	19 11 18 -19 9.8
	= 33.0 mm	= 30.0 mm	
20	19 12 15	-19 33.2	
neb?	19 12 14	-19 33.2	
	19 12 14	-19 33.2	

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1930phae.proj.230M

A 14257

NEB.	α	δ	COMP. STARS
c	19 10 11	−20 44.9	−20 5456
neb?	19 10 11	−20 44.9	−20 5484
several stars: cf A14880	~~19 10 11~~	~~−20 44.9~~	19 8 12 −20 53.7
	Δα = 242″ = 56.8 mm	Δδ = 38.5′ = 38.3 mm	19 12 14 −20 15.2
18	19 12 0	−20 22.7	
	19 12 0	−20 22.7	
	19 12 0	−20 22.7	
22	19 11 17	−18 12.2	−18 5313
	19 11 17	−18 12.2	−17 5552
	19 11 17	−18 12.2	19 15 3 −18 12.2
	Δα = 249″ = 59.0 mm	Δδ = 22.2′ = 22.2 mm	19 10 54 −17 50.0
23	19 13 51	−17 57.0	
neb?	19 13 51	−17 57.0	
	19 13 51	−17 57.0	
13	19 11 55	−22 10.3	−22 5056
	19 11 55	−22 10.3	−22 5035
	19 11 55	−22 10.3	19 13 44 −22 22.8
	Δα = 186″ = 43.5 mm	Δδ = 24.5′ = 24.5 mm	19 10 38 −21 58.3
14	19 12 38	−22 3.8	
	19 12 38	−22 3.8	
2 stars: cf A14880	~~19 12 38~~	~~−22 3.8~~	

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1930phae.proj.230M

H 14257

NEB.

	α	δ	COMP. STARS
15	19 13 1	-22 8.8	19 13 44 -22 22.8
	19 13 1	-22 8.8	19 10 38 -21 58.3
	19 13 1	-22 8.8	
16	19 14 38	-20 44.3	-20 53.6
	19 14 38	-20 44.2	-20 54.84
	19 14 38	-20 44.2	19 16 46 -20 49.6
	Δα = 272″	Δδ = 34.4′	19 12 14 -20 15.2
	= 63.8 mm	= 35.5 mm	
17	19 14 46	-20 33.1	
neb?	19 14 47	-20 33.1	
star: cf H 14880	~~19 14 46~~	~~-20 33.1~~	
19	19 15 0	-19 55.3	-20 54.84
	19 15 0	-19 55.3	-19 54.10
	19 15 0	-19 55.3	19 12 14 -20 15.2
	Δα = 211″	Δδ = 22.2′	19 15 45 -19 53.0
	= 50.0 mm	= 22.3 mm	
24	19 16 52	-18 52.0	-19 54.22
	19 16 52	-18 52.0	-18 53.32
	19 16 52	-18 52.0	19 17 14 -19 10.6
	Δα = 22″	Δδ = 25.2′	19 16 52 -18 45.4
	= 4.8 mm	= 25.8 mm	
25	19 17 3	-19 7.4	
neb?	19 17 2	-19 7.4	
	19 17 2	-19 7.4	

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F142J7
NEB.

	α	δ	COMP. STARS
ε	19 18 7	-20 56.9	-21 5379
neb?	19 18 7	-20 56.9	-20 5516
	19 18 7	-20 56.9	19 18 46 -21 3.3
	Δα = 120″	Δδ = 13.7′	19 16 46 -20 49.6
	= 28.0mm	= 14.0mm	
26	19 24 10	-21 8.8	-21 5396
	19 24 10	-21 8.8	-21 5406
	19 24 10	-21 8.8	19 22 3 -21 21.0
	Δα = 142″	Δδ = 17.3′	19 24 25 -21 2.7
	= 33.5mm	= 17.8mm	

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1930phae.proj.230M

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A 7372 – plate only partially checked of plate cover

A 7372
NEB.

	α	δ	Comp. Stars
19	16 22 29	+17 58.0	+18 3174
	16 22 29	+17 58.0	+17 3038
star: cf A 15668	~~16 22 29~~	~~+17 58.0~~	16 21 53 +18 5.0
	Δα = 189″	Δδ = 23.6′	16 25 2 +17 41.4
	= 44.5 mm	= 24.6 mm	
1	16 26 18	+16 28.0	+16 2962
	16 26 19	+16 28.0	+16 2958
	16 26 18	+16 28.0	16 26 54 +16 36.8
	Δα = 67″	Δδ = 23.0′	16 25 47 +16 13.8
	= 16.0 mm	= 23.2 mm	
2	16 25 57	+17 59.4	+18 3185
	16 25 54	+17 59.4	+17 3038
	16 25 57	+17 59.4	16 26 13 +18 1.9
	Δα = 71″	Δδ = 22.5′	16 25 2 +17 41.4
	= 17.2 mm	= 21.7 mm	
3	16 26 43	+19 6.0	+19 3112
	16 26 43	+19 6.0	+18 3185
star: cf A 15668	~~16 26 43~~	~~+19 6.0~~	16 26 56 +19 27.5
	Δα = 43″	Δδ = 85.6′	16 26 13 +18 1.9
	= 10.0 mm	= 87.8 mm	
4	16 28 20	+19 37.3	+19 3128
	16 28 20	+19 37.3	+19 3112
	16 28 20	+19 37.3	16 31 6 +19 43.9
	Δα = 250″	Δδ = 14.9′	16 26 56 +19 29.0
	= 59.5 mm	= 13.5 mm	

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A 7372

NEB.	α	δ	COMP. STARS
5	16 29 57	+19 40.6	
	16 29 57	+19 40.6	
	16 29 57	+19 40.6	
6	16 30 1	+19 40.6	
	16 30 1	+19 40.6	
	16 30 1	+19 40.6	
7	16 31 33	+18 17.2	+18 3199
	16 31 33	+18 17.2	+18 3206
	16 31 33	+18 17.2	16 20 18 +18 21.6
	Δα = 197″	Δ δ = 24.9′	16 33 35 +17 56.7
	= 47.5 mm	= 24.9 mm	
8	16 33 0	+18 7.2	
	16 33 0	+18 7.2	
	16 33 0	+18 7.2	
9	16 29 27	+17 17.6	+17 3051
	16 29 26	+17 17.6	+17 3048
	16 29 26	+17 17.6	16 30 9 +17 20.9
	Δα = 115″	Δ δ = 6.6′	16 28 14 +17 14.3
	= 27.0 mm	= 5.0 mm	
10	16 27 26	+15 16.4	+15 3020
	16 27 26	+15 16.3	+15 3012
	16 27 26	+15 16.4	16 28 45 +15 21.0
	Δα = 121″	Δ δ = 16.4′	16 26 44 +15 4.6
	= 29.2 mm	= 16.0	

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A 7372
NEB.

	α	δ	Comp. Stars
12	16 35 56	+19 20.2	+19 3149
	16 35 56	+19 20.2	+19 3142
	16 35 56	+19 20.2	16 39 41 +19 21.9
	Δα = 229″	Δ δ = 14.9′	16 35 52 +19 7.0
	= 34.0 mm	= 15.6 mm	
13	16 37 52	+19 16.4	
	16 37 52	+19 16.4	
	16 37 52	+19 16.4	
14	16 40 37	+17 13.1	+17 3086
	16 40 37	+17 13.0	+16 3011
	16 40 37	+17 13.0	16 42 16 +17 17.5
	Δα = 120″	Δ δ = 61.5′	16 40 16 +16 16.0
	= 28.0 mm	= 62.5 mm	
15	16 39 59	+16 37.7	
	16 39 59	+16 37.6	
	16 39 59	+16 37.6	
18	16 39 59	+16 30.8	
	16 39 59	+16 30.7	
	16 39 59	+16 30.8	
16	16 45 20	+18 0.7	+18 3251
	16 45 20	+18 0.7	+17 3098
	16 45 20	+18 0.7	16 45 40 +18 13.0
	Δα = 71″	Δδ = 37.5′	16 44 29 +17 35.5.
	= 15.8 mm	= 39.5 mm	

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A 7372

NEB.	α	δ	COMP. STARS
17	16 43 25	+15 38.2	+16 3011
	16 43 25	+15 38.1	+15 3057
	16 43 25	+15 38.2	16 40 16 +16 16.0
	Δα = 291″	Δ δ = 48.9′	16 45 7 +15 27.1
	= 71.5	= 49.0mm	

A7373 — cf. plate cover — only partially checked

A7373

NEB.	α	δ	COMP. STARS
15	21 2 26	+17 37.6	+17 4504
	21 2 26	+17 37.6	+17 4506
	21 2 26	+17 37.6	21 2 20 +17 40.6
	Δα = 50″	Δ δ = 10.4′	21 3 10 +17 30.2
	= 11.5mm	= 10.3mm	
14	21 2 50	+17 39.6	
	21 2 50	+17 39.6	
	21 2 50	+17 39.6	
16	21 4 15	+14 51.5	+15 4334
	21 4 15	+14 51.4	+14 4545
	21 4 15	+14 51.4	21 5 6 +15 46.6
	Δα = 109″	Δ δ = 57.1′	21 3 17 +14 49.5
	= 26.8mm	= 59.0mm	
17	21 4 30	+15 41.3	
	21 4 29	+15 41.2	
	21 4 30	+15 41.2	

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192
A 7373
NEB.

	α	δ	Comp. Stars
13	21 7 11	+18 27.9	+18 4728
	21 7 11	+18 27.9	+17 4534
	21 7 11	+18 27.9	21 7 9 +18 29.7
	Δα = 221″	Δδ = 35.4′	21 10 50 +17 54.3
	= 53.8 mm	= 35.8 mm	
8	21 10 31	+16 44.7	+16 4492
	21 10 33	+16 44.7	+16 4480
	21 10 32	+16 44.7	21 12 42 +17 5.9
	Δα = 167	Δδ = 22.7′	21 9 55 +16 43.2
	= 400 mm	= 22.5 mm	
7	21 11 16	+17 51.3	+17 4534
	21 11 17	+17 51.3	+16 4492
	21 11 16	+17 51.3	21 10 50 +17 54.3
	Δα = 112″	Δδ = 48.4′	21 12 42 +17 5.9
	= 25.5 mm	= 49.0 mm	
12	21 10 47	+14 49.2	+14 4566
	21 10 47	+14 49.2	+14 4576
	21 10 47	+14 49.2	21 10 9 +14 59.2
	Δα = 108″	Δδ = 25.7	21 11 57 +14 33.5
	= 26.8 mm	= 27.0 mm	
11	21 12 0	+14 39.2	
	21 12 0	+14 39.2	
	21 12 0	+14 39.2	

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A7373
NEB.

	α	δ	Comp. Stars
9	21 12 40	+16 9.6	+16 4480
	21 12 40	+16 9.6	+15 4390
	21 12 40	+16 9.6	21 9 55 +16 43.2
	Δδ = 291″	Δδ = 38.6′	21 14 46 +16 4.6
	= 68.0mm	= 35.0	
10.	21 14 12	+16 10.2	
	21 14 12	+16 10.1	
	21 14 12	+16 10.2	
18	21 12 54	+17 13.5	+17 4557
	21 12 54	+17 13.5	+16 4492
	21 12 54	+17 13.5	21 16 2 +18 5.7
	Δα = 200″	Δδ = 39.8′	21 12 42 +17 5.9
	= 47.8mm	= 39.5mm	
19	21 15 35	+17 51.6	
	21 15 35	+17 51.6	
	21 15 35	+17 51.6	
6	21 14 34	+19 17.1	+19 4676
	21 14 34	+19 17.1	+19 4684
	21 14 34	+19 17.1	21 13 58 +19 24.7
	Δα = 92″	Δδ = 9.0′	21 15 30 +19 15.7
	= 21.8mm	= 9.2mm	

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1930phae.proj.233M

194
7373
NEB.

	α			δ		COMP. STARS
1	21	18	53	+17	8.8	+17 4579
	21	18	53	+17	8.8	+16 4511
	21	18	53	+17	8.8	21. 20 46 +17 20.2
	Δα = 218″			Δδ = 48.2′		21. 17 8 +16 32.0
	= 52.0mm			= 48.5mm		
2	21	19	10	+17	8.3	
	21	19	9	+17	8.3	
	21	19	10	+17	8.3	
3	21	18	40	+16	49.4	
	21	18	40	+16	49.4	
	21	18	40	+16	49.4	
4	21	18	24	+16	46.4	
	21	18	23	+16	46.4	
	21	18	24	+16	46.4	
5	21	19	54	+16	33.5	
	21	19	53	+16	33.5	
	21	19	54	+16	33.5	

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1930phae.proj.2360M

A 7375

A 7375
NEB.

	α	δ	COMP. STARS
7	21 21 24	+16 17.7	+ 16 4529
	21 21 24	+16 17.7	+15 4417
	21 21 24	+16 17.7	21 21 15 +16 35.1
	Δα = 71″	Δδ = 29.9′	21 22 26 +16 5.2
	= 16.5 mm	= 30.0 mm	
6	21 21 41	+16 18.2	
	21 21 41	+16 18.2	
	21 21 41	+16 18.2	
5	21 25 29	+17 0.9	+16 4542
	21 25 29	+17 0.9	+16 4539
	21 25 29	+17 0.9	21 25 56 +17 4.1
	Δα = 58″	Δδ = 11.1′	21 24 58 +16 53.0
	= 14.2	= 12.0 mm	
4	21 31 27	+16 36.9	+ 16 4566
	21 31 27	+16 36.9	+ 16 4563
	21 31 27	+16 36.9	21 31 43 +16 46.2
	Δα = 107″	Δδ = 30.4′	21 29 56 +16 15.8
	= 26.0 mm	= 31.0 mm	
3	21 32 30	+15 27.5	+15 4459
	21 32 31	+15 27.5	+ 14 4649
	21 32 30	+15 27.5	21 31 34 +15 363
	Δα = 103″	Δδ = 35.4′	21 33 17 +15 0.9
	= 25.5 mm	= 36.0 mm	

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A 7375

NEB.	α	δ	COMP. STARS
2	21 36 52	+16 35.7	+16 4579
	21 36 52	+16 35.7	+16 4576
	21 36 52	+16 35.7	21 37 0 +16 37.1
	Δα = 53″	Δδ = 21.7′	21 36 7 +16 15.4
	= 12.5 mm	= 23.0 mm	
1	21 37 27	+18 44.4	+18 4842
	21 37 27	+18 44.4	+18 4838
	21 37 27	+18 44.4	21 37 37 +18 48.8
	Δα = 44″	Δδ = 22.5′	21 36 53 +18 26.3
	= 10.5 mm	= 23.0 mm	

#

A 7374

A 7374

NEB.	α	δ	COMP. STARS
1	16 21 26	+16 0.2	+16 2948
neb?	16 21 27	+16 0.2	+15 2991
neb. + star	16 21 26	+16 0.2	16 23 22 +16 24.8
	Δα = 206″	Δδ = 66.5′	16 19 56 +15 18.3
	= 48.5 mm	= 67.5 mm	
2	16 20 28	+15 43.9	
	16 20 30	+15 43.9	
	16 20 29	+15 43.9	

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H 7374
NEB.

	α	δ	COMP. STARS
3	16 21 29	+16 57.9	+ 18 3174
	16 21 29	+16 57.9	+16 2941
	16 21 29	+16 57.9	16 21 53 +18 5.1
	Δα = 43″	Δδ = 75.7′	16 21 10 +16 49.4
	= 8.2 mm	= 75.5	
4	16 20 33	+17 55.2	+18 3174
	16 20 33	+17 55.2	+17 3008
	16 20 33	+17 55.2	16 21 53 +18 5.1
	Δα = 271″	Δδ = 40.0′	16 17 22 +17 25.1
	= 64.0 mm	= 40.5 mm	
13	16 18 0	+17 41.4	
	16 18 0	+17 41.4	
star: cf. H 15668	~~16 18 0~~	~~+17 41.4~~	
5	16 20 26	+18 37.4	+19 3090
	16 20 26	+18 37.3	+18 3174
	16 20 26	+18 37.4	16 18 47 +19 17.0
	Δα = 186″	Δδ = 71.9′	16 21 53 +18 5.1
	= 46.0 mm	= 71.5 mm	
6	16 16 6	+19 50.1	+20 3228
	16 16 6	+19 50.0	+19 3084
	16 16 6	+19 50.0	16 9 38 +19 54.7
	Δα = 467″	Δδ = 57.4′	16 17 25 +18 57.3
	= 110.8 mm	= 56.5 mm	

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H 7344
NEB

	α	δ	Comp. Stars
7	16 16 0	+19 49.1	16 9 38 +19 54.7
	16 15 59	+19 49.0	16 17 25 +18 57.3
	16 16 0	+19 49.0	
8	16 14 54	+19 49.1	
	16 14 54	+19 49.0	
	16 14 54	+19 49.0	
9	16 15 23	+18 56.3	+19 3084
	16 15 23	+18 56.2	+18 3152
	16 15 23	+18 56.2	16 17 25 +18 57.3
	Δα = 385″ = 91.5 mm	Δδ = 17.8′ = 18.8 mm	16 11 0 +18 39.5
10	16 15 33	+18 50.2	
	16 15 33	+18 50.2	
	16 15 33	+18 50.2	
11	16 16 20	+18 47.8	
	16 16 20	+18 47.8	
	16 16 20	+18 47.8	
22	16 12 29	+18 42.2	
	16 12 28	+18 42.2	
	16 12 28	+18 42.2	
12	16 15 30	+18 14.5	+18 3152
	16 15 30	+18 14.5	+17 3006
	16 15 30	+18 14.5	16 11 0 +18 39.5
	Δα = 360″ = 86.5 mm	Δδ = 53.6′ = 52.5 mm	16 17 0 +17 45.9

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A7374

NEB.	α	δ	COMP. STARS
14	16 17 3	+16 19.9	+16 2925
	16 17 3	+16 19.9	+15 2985
Two stars: cf A15668	~~16 17 3~~	~~+16 19.9~~	16 14 40 +16 18.9
	Δα = 179″	Δδ = 78.0′	16 17 39 +15 0.9
	= 44.5 mm	= 11.8 mm	
16	16 17 29	+15 48.5	
	16 17 29	+15 48.5	
	16 17 29	+15 48.5	
17	16 15 6	+15 34.1	
	16 15 6	+15 34.1	
	16 15 6	+15 34.1	
18	16 14 56	+15 20.9	
	16 14 56	+15 20.9	
	16 14 56	+15 20.9	
15	16 14 10	+15 54.7	+16 2925
	16 14 10	+15 54.6	+15 2975
	16 14 10	+15 54.6	16 14 40 +16 18.9
	Δα = 71″	Δδ = 33.0′	16 13 29 +15 45.4
	= 16.5 mm	= 26.5 mm	
19	16 16 50	+14 45.8	+15 2985
	16 16 50	+14 45.7	+14 2036
	16 16 50	+14 45.8	16 17 39 +15 0.9
	Δα = 64″	Δδ = 20.3′	16 16 35 +14 40.6
	= 15.0 mm	= 19.7 mm	

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77977

NEB.

	α	δ	COMP. STARS
20	16 13 17	+16 7.3	+ 16 2913
	16 13 17	+16 7.3	+ 15 2975
	16 13 17	+16 7.3	16 11 27 +16 32.2
	Δα = 122″	Δ δ = 46.3′	16 13 29 +15 45.9
	= 29.0 mm	= 45.5 mm	
21	16 12 13	+16 15.1	
	16 12 14	+16 15.1	
	16 12 14	+16 15.1	
23	16 13 8	+19 7.6	+ 20 3228
	16 13 8	+19 7.5	+ 19 3084
	16 13 8	+19 7.6	16 9 38 +19 54.7
	Δα = 467″	Δ δ = 57.7′	16 17 25 +18 57.3
	= 111.0 mm	= 56.5	
24	16 9 31	+20 0.3	+ 20 3217
	16 9 31	+20 0.3	+ 20 3228
	16 9 31	+20 0.3	16 4 47 +20 12.9
	Δα = 291″	Δ δ = 18.2′	16 9 38 +19 54.7
	= 67.7 mm	= 19.5 mm	
25	16 6 2	+20 12.4	
	16 6 3	+20 12.4	
	16 6 2	+20 12.4	

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A 7374

Neb.	α	δ	Comp. Stars
26	16 9 17	+19 32.2	+ 20 3228
	16 9 17	+19 32.2	+ 19 3064
	16 9 17	+19 32.2	16 9 38 +19 54.7
	Δα = 196″	Δδ = 58.6′	16 6 22 +18 56.1
	= 46.0mm	= 58.5mm	
27	16 8 48	+18 35.5	+18 3152
	16 8 49	+18 35.5	+18 3120
	16 8 48	+18 35.5	16 11 0 +18 39.5
	Δα = 524″	Δδ = 12.4′	16 2 16 +18 27.1
	= 124.0mm	= 11.4mm	
28	16 6 39	+18 32.2	
	16 6 40	+18 32.2	
	16 6 40	+18 32.2	
29	16 7 16	+17 8.4	+ 17 2963
	16 7 16	+17 8.4	+ 16 2900
	16 7 16	+17 8.4	16 3 32 +17 37.2
	Δα = 249″	Δδ = 84.0′	16 7 41 +16 13.2
	= 59.5mm	= 83.0mm	
30	16 7 24	+17 6.8	
	16 7 24	+17 6.8	
	16 7 24	+17 6.8	
31	16 7 22	+17 0.8	
	16 7 22	+17 0.7	
	16 7 22	+17 0.8	

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H 7374

NEB.	α	δ	COMP. STARS
41	16 5 54	+16 59.8	16 3 32 +17 37.2
	16 5 54	+16 59.7	16 7 41 +16 13.2
	16 5 54	+16 59.8	
39	16 4 10	+16 46.7	
	16 4 10	+16 46.6	
	16 4 10	+16 46.6	
132	16 4 56	+17 22.5	
	16 4 56	+17 22.5	
	16 4 56	+17 22.5	
32	16 8 53	+16 22.7	+16 2913
	16 8 52	+16 22.7	+16 2900
	16 8 52	+16 22.7	16 11 27 +16 32.2
	Δα = 226″	Δδ = 19.0′	16 7 41 +16 13.2
	= 54.2 mm	= 18.0 mm	
33	16 8 48	+15 6.3	+15 2959
	16 8 48	+15 6.3	+15 2970
	16 8 48	+15 6.3	16 4 52 +15 41.6
	Δα = 369″	Δδ = 46.3′	16 11 1 +14 55.3
	= 89.8 mm	= 46.5 mm	
34	16 9 36	+15 0.8	
	16 9 36	+15 0.8	
	16 9 36	+15 0.8	

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A 7374

Neb.	α	δ	Comp. Stars
35	16 9 38	+14 44.3	16 4 52 +15 41.6
	16 9 38	+14 44.3	16 11 1 +14 55.3
	16 9 38	+14 44.3	
36	16 5 25	+15 21.7	
	16 5 25	+15 21.7	
	16 5 25	+15 21.7	
37	16 2 25	+16 26.8	+16 2874
	16 2 25	+16 26.9	+16 2887
	16 2 25	+16 26.8	16 0 35 +16 51.4
	Δα = 229″	Δδ = 47.1′	16 4 18 +16 4.3
	= 53.0 mm	= 48.0 mm	
38	16 2 9	+16 36.2	
	16 2 10	+16 36.2	
	16 2 10	+16 36.2	
118	16 1 47	+16 42.6	
	16 1 47	+16 42.6	
	16 1 47	+16 42.6	
117	16 0 54	+16 43.6	
	16 0 54	+16 43.6	
	16 0 54	+16 43.6	
119	16 0 48	+16 27.8	
	16 0 48	+16 27.9	
	16 0 48	+16 27.8	

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A 7374
NEB.

	α			δ		Comp. Stars				
134	16	3	32	+16	56.0	+17	2963			
	16	3	32	+16	56.0	+16	2874			
	16	3	32	+16	56.0	16	3	32	+17	37.2
	Δα = 177″			Δδ = 45.8′		16	0	35	+16	51.4
	= 42.8 mm			= 45.0 mm						
133	16	3	9	+16	59.0					
	16	3	9	+16	59.0					
	16	3	9	+16	59.0					
41.0	16	2	18	+16	51.7					
	16	2	20	+16	51.7					
	16	2	19	+16	51.4					
42	16	2	36	+17	13.8					
	16	2	36	+17	13.8					
	16	2	36	+17	13.8					
43	16	2	10	+17	12.8					
	16	2	9	+17	12.8					
	16	2	10	+17	12.8					
44	16	2	5	+17	14.0					
	16	2	5	+17	14.0					
	16	2	5	+17	14.0					
45	16	2	1	+17	30.6					
	16	2	1	+17	30.6					
	16	2	1	+17	30.6					

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A 7374.

NEB.	α	δ	COMP. STARS
47	16 2 5	+17 35.1	
	16 2 5	+17 35.2	
	16 2 5	+17 35.2	
48	16 1 45	+17 36.0	
	16 1 44	+17 36.0	
	16 1 44	+17 36.0	
46	16 3 30	+17 42.2	+18 3108
	16 3 30	+17 42.2	+17 2963
	16 3 30	+17 42.2	15 59 20 +18 4.7
	Δα = 252"	Δδ = 27.5	16 3 32 +17 37.2
	= 60.0mm	= 30.0mm	
77	16 2 52	+17 55.5	
	16 2 52	+17 55.5	
	16 2 52	+17 55.5	
76	16 2 18	+17 55.1	
	16 2 19	+17 55.1	
	16 2 18	+17 55.1	
88	16 2 8	+17 59.2	
	16 2 8	+17 59.2	
	16 2 8	+17 59.2	
75	16 1 3	+17 49.1	
	16 1 3	+17 49.1	
	16 1 3	+17 49.1	

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A 7374
NEB.

	α			δ		Comp. Stars				
74	16	0	46	+17	49.6	15	59	20	+18	4.7
	16	0	46	+17	49.6	16	3	32	+17	37.2
	16	0	46	+17	49.6					
73	16	0	42	+17	43.2					
	16	0	42	+17	43.2					
	16	0	42	+17	43.2					
104	16	0	17	+17	39.1					
	16	0	17	+17	39.0					
	16	0	17	+17	39.0					
71	16	0	0	+17	45.5					
	16	0	0	+17	45.4					
	16	0	0	+17	45.4					
103	16	0	8	+17	39.1					
	16	0	9	+17	39.0					
	16	0	8	+17	39.0					
102	15	59	47	+17	43.6					
	15	59	48	+17	43.6					
	15	59	48	+17	43.6					
70	15	59	49	+17	50.5					
	15	59	50	+17	50.5					
	15	59	50	+17	50.5					

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A 7374

NEB.	α	δ	COMP. STARS
69	15 59 43	+17 51.0	15 59 20 +18 4.7
	15 59 44	+17 50.9	16 3 32 +17 37.2
	15 59 44	+17 51.0	
68	15 59 37	+17 51.9	
	15 59 37	+17 51.9	
	15 59 37	+17 51.9	
91	15 0 12	+17 55.1	
	15 0 13	+17 55.1	
	15 0 12	+17 55.1	
90	15 0 12	+18 4.2	
	15 0 13	+18 4.2	
	15 0 12	+18 4.2	
72	16 0 14	+17 44.5	
	16 0 15	+17 44.5	
	16 0 14	+17 44.5	
49	16 5 37	+18 10.4	+19 3064
	16 5 37	+18 10.3	+17 2963
	16 5 37	+18 10.4	16 6 22 +18 56.1
	Δα = 170″	Δδ = 78.9′	16 3 32 +17 37.2
	= 4.0 mm	= 81.0	

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208
7374
NEB.

	α	δ	COMP. STARS
50	16 5 21	+19 8.1	+ 19 30 57
	16 5 21	+19 8.1	+ 19 3064
	16 5 21	+19 8.1	16 4 2 +19 15.4
	Δα = 140″	Δδ = 19.3′	16 6 22 +18 56.1
	= 33.5mm	= 19.9mm	
51	16 3 1	+19 48.9	+20 3207
	16 3 1	+19 48.8	+19 3057
	16 3 1	+19 48.8	16 1 42 +19 58.6
	Δα = 140″	Δδ = 43.2′	16 4 2 +19 15.4
	= 32.0mm	= 44.5mm	
85	16 3 26	+18 33.2	+ 19 3057
	16 3 26	+18 33.2	+ 18 3120
	16 3 26	+18 33.2	16 4 2 +19 15.4
	Δα = 106	Δδ = 48.3′	16 2 16 +18 27.1
	= 25.0mm	= 48.0mm	
87	16 3 11	+18 43.7	
	16 3 11	+18 43.7	
	16 3 11	+18 43.7	
86	16 2 44	+18 42.7	
	16 2 44	+18 42.7	
	16 2 44	+18 42.7	
82	16 2 42	+18 54.3	
	16 2 42	+18 54.3	
	16 2 42	+18 54.3	

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7374
NEB.

	α	δ	COMP. STARS
53	16 2 46	+18 52.3	16 4 2 +19 15.4
	16 2 46	+18 52.3	16 2 16 +18 27.1
	16 2 46	+18 52.3	
89	16 2 27	+18 29.1	
	16 2 24	+18 29.1	
	16 2 24	+18 29.1	
78	16 2 35	+18 7.3	+18 3120
	16 2 35	+18 7.2	+17 2963
	16 2 35	+18 7.2	16 2 16 +18 27.1
	Δα = 76″	Δδ = 49.9	16 3 32 +17 37.2
	= 18.0 mm	= 52.5 mm	
79	16 2 29	+18 7.3	
	16 2 29	+18 7.2	
	16 2 29	+18 7.2	
81	16 3 28	+18 18.1	
	16 3 28	+18 18.0	
	16 3 28	+18 18.0	
54	16 1 34	+18 55.6	+19 3057
	16 1 34	+18 55.6	+18 3105
	16 1 34	+18 55.6	16 4 2 +19 15.4
	Δα = 303″	Δδ = 24.0′	15 58 59 +18 51.4
	= 71.5 mm	= 23.0 mm	
55	16 1 38	+18 51.9	
	16 1 38	+18 51.9	
	16 1 38	+18 51.9	

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210
H 7374
NEB.

	α	δ	Comp. Stars
56	16 1 12	+18 47.5	+18 3105
	16 1 12	+18 47.5	+18 3120
	16 1 12	+18 47.5	15 58 59 +18 51.4
	Δα = 197″	Δ δ = 24.3′	16.2 16 +18 27.1
	= 46.5mm	= 25.0mm	
57	16 0 55	+18 49.5	
	16 0 56	+18 49.5	
	16 0 56	+18 49.5	
58	16 0 11	+18 42.7	
	16 0 11	+18 42.6	
	16 0 11	+18 42.6	
59	16 1 47	+18 40.2	
	16 1 46	+18 40.2	
	16 1 46	+18 40.2	
60	16 1 51	+18 37.3	
	16 1 51	+18 37.3	
	16 1 51	+18 37.3	
61	16 1 27	+18 34.4	
	16 1 28	+18 34.4	
	16 1 28	+18 34.4	
62	16 1 23	+18 31.5	
	16 1 23	+18 31.5	
	16 1 23	+18 31.5	

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A 7374

NEB.	α	δ	COMP. STARS
63	16 0 32	+18 29.0	5 58 59 +18 57.4
	16 0 30	+18 29.0	16 2 16 +18 27.1
	16 0 31	+18 29.0	
93	16 1 8	+18 41.2	
	16 1 9	+18 41.2	
	16 1 8	+18 41.2	
94	16 1 10	+18 39.7	
	16 1 11	+18 39.7	
	16 1 10	+18 39.7	
95	16 1 8	+18 39.3	
	16 1 9	+18 39.3	
	16 1 8	+18 39.3	
96	16 1 10	+18 38.3	
	16 1 11	+18 38.3	
	16 1 10	+18 38.3	
64	15 59 54	+18 24.6	+ 18 3120
	15 59 54	+18 24.7	+ 18 3108
	15 59 54	+18 24.6	16 2 16 + 18 27.1
	Δα = 176″ = 42.0mm	Δδ = 22.4′ = 22.8mm	15 59 20 +18 4.7
65	16 0 10	+18 18.3	
	16 0 10	+18 18.3	
	16 0 10	+18 18.3	

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A 7374

NEB.	α	δ	COMP. STARS
66	16 59 41	+18 15.3	16 2 16 + 18 27.1
	16 59 41	+18 15.3	15 59 20 +18 4.7
	16 59 41	+18 15.3	
67	16 0 8	+18 6.0	
	16 0 7	+18 6.0	
	16 0 8	+18 6.0	
- 80	16 1 55	+18 11.4	
	16 1 55	+18 11.4	
	16 1 55	+18 11.4	
82	16 1 47	+18 20.2	
	16 1 47	+18 20.2	
	16 1 47	+18 20.2	
83	16 0 59	+18 6.0	
	16 0 58	+18 6.0	
	16 0 58	+18 6.0	
84	16 1 47	+18 26.1	
	16 1 47	+18 26.1	
	16 1 47	+18 26.1	
90	16 0 13	+18 4.7	
	16 0 12	+18 4.7	
	16 0 12	+18 4.7	

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A 7374

Neb.	α	δ	Comp. Stars
92	16 1 5	+18 22.1	
	16 1 5	+18 22.2	
	16 1 5	+18 22.2	
120	16 1 50	+15 58.9	+16 2887
	16 1 50	+15 58.9	+16 2880
	16 1 50	+15 58.9	16 4 18 +16 4.3
	Δα = 185″ = 44.0mm	Δδ = 9.7′ = 9.8mm	16 1 13 +15 34.6
121	16 1 51	+15 58.4	
	16 1 51	+15 58.4	
	16 1 51	+15 58.4	
101	15 58 59	+17 42.3	+17 2960
	15 58 59	+17 42.3	+17 2953
	15 58 59	+17 42.3	16 1 45 +17 39.8
	Δα = 262″ = 62.3mm	Δδ = 39.6′ = 39.5mm	15 57 23 +17 0.2
103	16 0 8	+17 36.8	
	16 0 8	+17 36.8	
	16 0 8	+17 36.8	
104	16 0 17	+17 35.8	
	16 0 17	+17 35.8	
	16 0 17	+17 35.8	

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A 7374

NEB.

	α	δ	Comp. Stars
105	16 59 32	+17 33.3	16 1 45 +17 39.8
	16 59 32	+17 33.3	15 57 23 +17 0.2
	16 59 32	+17 33.3	
106	15 59 18	+17 30.8	
	15 59 18	+17 30.8	
	15 59 18	+17 30.8	
107	15 59 49	+17 26.8	
	15 59 49	+17 26.8	
	15 59 49	+17 26.8	
108	15 57 33	+17 20.8	
	15 57 33	+17 20.8	
	15 57 33	+17 20.8	
109	15 59 1	+17 13.2	
	15 59 1	+17 13.2	
	15 59 1	+17 13.2	
110	16 0 3	+17 9.7	
	16 0 4	+17 9.7	
	16 0 4	+17 9.7	
111	16 0 15	+17 8.2	
	16 0 14	+17 8.2	
	16 0 14	+17 8.2	

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NEB.

	α	δ	COMP. STARS
112	16 0 23	+17 4.2	
	16 0 23	+17 4.2	
	16 0 23	+17 4.2	
125	15 58 23	+16 7.0	+16 2867
	15 58 23	+16 7.1	+16 2880
	15 58 23	+16 7.8	15 57 50 +16 9.7
	Δα = 203″	Δδ = 15.1	16 1 13 +15 54.6
	= 49.0 mm	= 17.0 mm	
126	16 0 15	+16 0.8	
	16 0 15	+16 0.8	
	16 0 15	+16 0.8	
122	15 59 52	+15 7.5	+16 2880
	15 59 52	+15 7.6	+14 2981
	15 59 52	+15 7.6	16 1 13 +15 54.6
	Δα = 218″	Δδ = 67.1′	15 57 35 +14 47.5
	= 54.0 mm	= 68.8 mm	
123	15 59 50	+15 5.5	
	15 59 50	+15 5.5	
	15 59 50	+15 5.5	
124	16 0 43	+14 57.1	
	16 0 43	+14 57.3	
	16 0 43	+14 57.2	

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NEB

	α	δ	Comp. Stars
127	15 57 48	+16 36.9	+17 2953
	15 57 48	+16 36.9	+16 2867
	15 57 48	+16 36.9	15 57 23 +17 0.2
	Δα = 27″	Δ δ = 50.5′	15 57 50 +16 9.7
	= 5.5 mm	= 51.0 mm	
128	15 57 45	+16 38.4	
	15 57 45	+16 38.4	
	15 57 45	+16 38.4	
129	15 57 25	+16 42.8	
	15 57 25	+16 42.8	
	15 57 25	+16 42.8	
130	15 57 40	+16 42.8	
	15 57 41	+16 42.8	
	15 57 40	+16 42.8	
131	15 56 41	+16 57.7	
	15 56 42	+16 57.7	
	15 56 42	+16 57.7	
100	15 56 17	+18 22.0	+18 3102
	15 56 16	+18 22.2	+18 3108
	15 56 16	+18 22.1	15 57 29 +18 39.2
	Δα = 111″	Δ δ = 34.5′	15 59 20 +18 4.7
	= 26.0 mm	= 34.5 mm	

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#7374

NEB.	α	δ	COMP. STARS
97	15 58 20	+18 43.9	+18 3105
	15 58 20	+18 43.9	+18 3102
	15 58 20	+18 43.9	15 58 59 +18 51.4
	Δα = 90″	Δ δ = 12.2′	15 57 29 +18 39.2
	= 21.8 mm	= 13.0 mm	
98	15 57 35	+19 5.6	+19 3048
	15 57 35	+19 5.5	+18 3105
	15 57 35	+19 5.6	15 56 28 +19 35.3
	Δα = 151″	Δ δ = 43.9′	15 58 59 +18 51.4
	= 36.0 mm	= 45.0 mm	
99	15 56 38	+19 43.8	+20 3207
	15 56 38	+19 43.8	+19 3048
	15 56 38	+19 43.8	16 1 42 +19 58.6
	Δα = 316″	Δ δ = 23.3′	15 56 26 +19 35.3
	= 75.5	= 23.3 mm	

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For corrections of positions

Plate	Page	Errors
6714	115	20' about 7' off in dec.
	118	25' " " " " "
	121	62 " 3' " " "
	126	106 off in R. 17.
	131	132 " " "

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0 – ± 32.5°	15 mm. = 1 cm
32.5° – 50°	10 " = 1 "
52.5°	9
55°	9
57.5°	8
60	8
62.5°	7
65°	6
67.5°	6
70	5
72.5°	5
75°	4
77.5°	3
80	3
82.5°	2
85°	1

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