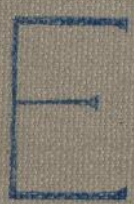
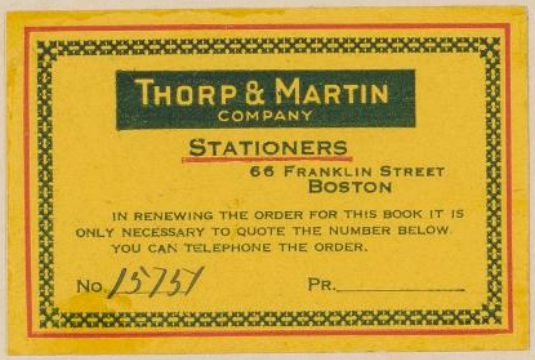
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Concentration, Form and Position Angles

Plate No.	Page	Plate No.	Page	Plate No.	Page	Plate No.	Page
A. 3346	5 (cont'd)						
A. 1241N	McCoy, Universe in back of Bk. C						
1241N	10						
3346	56						
14272	70						
14280	143						
4181	176						
4183	180						
15879	193						

McCoy

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A 3346 (cont. from Bk. D, p. 220)

~~297~~	~~2.0~~	cluster			~~a~~		
		A 14269					
~~298~~	~~1.5~~	"	"		~~b9~~		
~~299~~	~~1.0~~	rejected			~~a10~~		
300 ✓	1.5	2.0 ✓	1.5 ✓	18.0 ✓	a 9	b 9	a 9
~~301~~	~~1.0~~	rejected			~~b9~~		
302 ✓	1.0	2.0 ✓	1.5 ✓	18.0 ✓	i b9	i b9	i b9
	concentration off center						
303 ✓	1.0	2.0 ✓	1.5 ✓	18.0 ✓	b9	b9	b9
299 ✓	1.0	1.5 ✓	1.5 ✓	18.0 ✓	a8	a8	a8
~~304~~	~~1.0~~	A 14269			~~b10~~		
~~305~~	~~1.0~~	"			~~b9~~		
~~306~~	~~1.5~~	"			~~a8~~		
~~307~~	~~1.0~~	"			~~b9~~		
~~308~~	~~1.5~~	"			~~b9~~		
~~309~~	~~1.0~~	"			~~a8~~		
~~310~~	~~1.5~~	"			~~b8~~		

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1930phae.proj.2342N

			A.3246
~~240~~	~~+05~~	A14269	~~bb~~
~~367~~	~~+00~~	"	~~a9~~
~~362~~	~~+03~~	"	~~b7~~
~~361~~	~~+00~~	"	~~a9~~
~~366~~	~~+05~~	"	~~a9~~
~~240~~	~~+05~~	"	~~a8~~
~~359~~	~~+05~~	"	~~a9~~
~~359~~	~~2+05~~	"	~~a6~~
~~356~~	~~+05~~	"	~~b9~~
~~355~~	~~+05~~	rejected	~~a8~~
~~355~~	~~2+00~~	A14269	~~a9~~
~~354~~	~~+05~~	"	~~b9~~
~~352~~	~~+02~~	"	~~a9~~
~~2344~~	~~+05~~	"	~~b9~~
~~349~~	~~+05~~	"	~~a9~~

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			A.3346
346	2.0	A 14269	b10
347	2.0	"	a7
345	1.0	"	a9
344	1.0	"	b9
343	1.3	"	a9
228	1.0	"	a9
339	1.0	"	a10
340	1.0	"	b10
341	1.0	"	a8
342	1.0	"	a8
226	1.0	"	a9
337	1.0	"	a9
335	1.0	"	a9
224	1.0	"	b10
332a	1.0	"	b7

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		H 1426 9	H. 3346
	1.0	"	
	1.0	"	
	1.0	"	
	1.0	"	
	1.0	"	
	1.0	"	
	1.0	"	
	1.0	"	
	1.0	"	
	2.0	"	
	1.0	"	
	2.0	"	
	1.5	"	

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				4.3346				
~~314~~	~~1.5~~	17 14 26 9			~~b9~~			
~~310~~	~~1.0~~	"			~~a 10~~			
~~313~~	~~1.0~~	"			~~a 9~~			
~~314~~	~~1.0~~	"			~~a 10~~			
~~315~~	~~1.0~~	"			~~a 10~~			
~~312~~	~~1.0~~	"			~~b9~~			
~~311~~	~~2.0~~	"			~~a 6~~			
~~318~~	~~2.0~~	"			~~a 8~~			
~~319~~	~~2.0~~	"			~~b 8~~			
~~320~~	~~1.5~~	"			~~a 8~~			
(107) ~~321~~	~~1.0~~	"			~~b9~~			
~~322~~	~~1.5~~	rejected			~~b9~~			
~~323~~	~~1.0~~	rejected			~~b8~~			
324 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ✓ ~~1.0~~	24.0 ✓	a 9	b 9	b ✓ 9 ✓	
325 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ✓ ~~1.0~~	24.0 ✓	a 9	a 8	a ✓ 9 ✓	

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				A.3346,	12415			
386 ✓	~~1.0~~ 2.0	~~1.0~~ 2.0	~~1.5~~ 2.0 ✓ 240	b9	a9	b 9 ✓✓		
387 ✓	~~1.0~~ 2.5	~~1.0~~ 2.5	~~1.5~~ 2.5 ✓ 200 ✓	b9	b9	b9 ✓✓		

continued on p. 56

				A.12415				
412	– – –	– – two stars		~~b7:~~	– – –	– – –	– – –	– – –
413	4.0			a8:				
414	3.0			b7:				
387 H.N. 1343-3234.8	7.0			b7:				
415	4.0			a8:				
416	– – –	– – two stars	–	~~b7:~~	– – –	– – –	–	
417	4.0			b8				
418	3.0			b6				
332 H.N. 1341-3222.1	7.0			c5				0°
527	3.0			b8				
528	2.5			a8				
529	2.5			c7				
419	3.5			b8				

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		A. 12413⁻
H20	3.0	b7
H21	3.0	b7
H22	3.0	b6
H23	3.5⁻	b7
H24	3.5⁻	a7
333 13H2-3157.8	3.5	c9
dt	2.5⁻	b7
bg	3.0	b6
dw	2.5⁻	a8
H25⁻	4.0	b7
337 13H2-3174.3	4.0	b9
H26	2.0	a8
H27	2.5⁻	a7
42A 13H2-3116.6	3.0	a7
ta	2.0	a9

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F. 12410°

dv	4.0		b7	
335	2.0		a6	
bw	2.0		a9	
336	2.0		a9	
338	2.0 1.5		b7 a8	double neb.
339 1343 - 30 51.0	1.5		a8	
518	~~2.0~~	star	~~a9~~	
519	2.0		a9	
520	2.0		a7	
521	2.0		b6	
by	2.0		a6	
421			star	
340			star	
430	2.0		b9	
519	2.0		b8	

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17h 42m 15s

431	3.0	a 9
432		star
433		two stars
434	3.0	a f
435	3.0	b 6
436	2.0-	a 9
437	3.0-	i b f
438	4.0	b 7
439		star
440		star
441	3.0-	a 6
442		star or defect
443	2.0	a f
444	4.0	a 9
445		two stars

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A. 12 4 10⁻

3ff 1343-3039.9	7.0	c 7	
390 1343-3039.4	6.5⁻	2c 1	35.0
510	2.0	a 9	
511	2.0	a 8	
512	10⁻	b 9	
513	2.0	a 8	
514	1.5⁻	b 10	
500	1.0	a 10	
502	5.0⁻	a 1	30.0
407	4.0	c 9	
408	3.0	a 9	
406	3.0	a 5⁻	0.0
403⁻	3.5	b 6	
409	4.0	2c 4	25.0
458	- - - - - - - - - - - - - - -	stars	- - - - - - - - - - - - - - -

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9.12410⁻

402	2.0	a8	
336	9.0⁻	a8	
328	2.0⁻	b9	
327 1342-3017.7	6.0	c0⁻	90°
44F	9.0	a7	
401		star	
332	2.0⁻	ic9	
409	2.0	b8	
366	2.0	b9	
305 N.5004	7.5⁻	e8	
460	2.0	a9	
461	2.0⁻	a7	
348 1342-3031.8	9.0⁻	c9	
463	2.0	a6	
462	2.0	b6	
347	1.5⁻	a8	

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		A.12415	
345-0	3.0	a5	165-0
345-b 1342-3018.3	3.0	b6	
345-d	2.0	a6	
345-c 1342-3018.6	3.5	b8	
345-h	2.0	a7	
345-a	2.5	a8	
447 ~~1343-3018.6~~	3.5	b9	
446	2.0	a8	
346 1341-3024.3	7.0	E10	
344	2.0	a9	
449	2.0	a8	
346 1341-3006.9	5.5	a4	20°
464	3.0	a5	0°
495	2.0	a9	
494	2.0	a9	

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1930phae.proj..2342M

			A. 12415		
496	1.5-		b10		
499	2.5-		a4		
498	1.5-		a9		
499	2.0		a9		
500	2.0		a9		
342b	2.5		a10		
342a 1340-3022.4	5.0		ib5-	shape like → ← this	70-6
501	1.5-		a9		
503	1.5-		a10		
504	2.0		b9		
343 193PL 3020.3	2.5-		c9		
493	2.0		a9		
492	2.0		a4		
365 IC 4024	3.0		b7		
364	2.0		a4		

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		N.12415
350-1a	3.0	b8
350b N.5291	4.0	b8 } pair
350a	2.5	a9 } pair
349	3.0	a7
352 N.5298 1342-29-47	5.0	c8
351-b	2.0	a8
465	2.0	a8
354	6.5	c6
359	3.0	b8
360	2.5	a9
362 I.C.4329	3.0	b9
361 I.C.4329	4.0	c8
363	6.0	b6
466	2.5	a6
467	3.0	b8

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R.12415

H02 I.C.4321 1338-2437.C	2.0		b9
368 1389-2983.7	3.0		a9
H68	1.0-		a9
H67	1.0-		a10
369	2.0		a10
370	2.0-		b10
H64	2.0-		a6.
377a	2.0-		b7
H62	1.0	star	a10
360	3.0		a10
H63	1.0-		a9
372	2.0		a8
377b	3.0		b6
378 I.C.4325	4.0		c6
375	2.0-		a6

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1930phae.proj.2342N

H. 12 41 5

376c		star	
376b		star	
376a		star	
376d	2.0	a 9	
468	3.0	a 9	
471	2.0	a 8	
400 IC 4326	2.5'	b 9	
470	2.5'	b 8	
469	3.0	b 8;	plate broken & edge of nebula destroyed
381	2.0	b 9	
382 IC 4315	4.0	i c 8	
477		star	
476		star	
384 IC 4329	3.0	b 8	
ab	2.5	a 8	

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R. 12410

473		star
383	3.0	b10
1008	4.0	a7
1009	3.0	a7
386	3.3	b6
IC 4593? Dec. 0.4 but not R.A. Description fits		
380	3.0	a7
493	2.0	a9
401		3 stars
474	3.0	a6
1010	5.0	a8
1007	2.0	b7
1006	3.0	a8
331	2.0	b7
330	2.0	b9
329	3.0	a8

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17.12415

328	2.0		c8	
327	1.5		a9	
601			star	
602	1.0		a8	
326 IC.4316	2.5		b9	
1	2.0		a8	
470	1.5		a7	
600	2.0		a7	touching 2 ft. star
323 a	6.0		2d3	110°.0
596	1.0		a8	
324 IC.4309	2.0		c8	
591	2.0		a7	
590	1.0		a8	
592	1.0		b9	
bp			b9	

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			7.12413°	
593	1.0		a9	
594	1.0		b9	
595	0.5		a9	
b0 (H.gc.5264)	10.0		ic7	
323 b	1.5		a9	
469	1.5		a7	
bm	1.0		a9	
466	2.0		a6	
bg	1.5		a9	
465	1.0		a10	
372 IC.4319	6.0		c5	110°
373	7.0		f2	160°
cc	2.0		b10	
471	1.5		a9	
479	2.0		a8	

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		7.12415	
460	1.5	b9	
322	1.0	a8	
405	2.0	a8	
367	3.0	b10	
366 1337-2957.7	2.0	c8	
490	1.0	b8	
406	2.0	a8	
491	1.5	b9	
374	4.0	a6	
508	2.0	a5	60°
321 1336-3015.4	3.5	c8	
320b	1.5	a9	
320a	2.0	b9	
508	2.0	b6	
509	1.0	a9	

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1930phae.proj.23420

		H. 12413	
505	1.0	b10	
506	1.5	c10	
319 1336 – 3319	5.0	d6	
5#2	1.0	a9	
5#1	1.0	a9	
317	2.0	b9	
316 1336 – 3048 9	2.0	b10	
564	1.5	b9	
315	2.0	b9	
563	1.0	a9	
314	2.5	b10	
313 N.5253	26.0	E4	140°
312	1.0	c9	
533	2.5	b10	
552	4.0	a4	100°

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		7.12415		
311	2.5	bf		
5-5-0	1.0	a7		
309 1334 - 3135.0	3.0	b6		
310 1333 - 3134.7	1.5	b7		
307	3.0	b5		150°
306	2.0	a9		
5-H9	2.0	b7		
5-H8	1.5	b6		
302 1333 - 3129.9	4.0	ic7		
HOH	1.5	b9		
5-5-1	2.0	b6		
~~0-H6~~				
5-16	1.0	a9		
5-15	3.0	a9		
bf	1.0	a9		

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17.124.0-

517	1.0-	bA	
337 A338-3119.4	2.0-	bq	
522	3.0	aq	
305	2.0	icq	neb. →
304	1.0-	cA	
523	2.0-	bA	
303	2.0	bq	
294b	1.0-	bq	
294a 1335-3147.7	3.0	icq	
302	1.0-	bA	
547	2.0	aq	
524	1.0-	bq	
301 1336-3204.3	3.0	cA	
525	3.0	aA	
521	1.0-	aA	

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Sr		A. 12415 two stars	
300 1337 – 3224.9	7.0	b3	150°
Sm		star	
298	3.0	b4	110°
536	3.0	b9	
297 1335 – 3209.1	3.0	c10	
294 1334 – 3208.1	5.0	c6	
292	2.5	b8	
293	6.0	a3	95°
535	2.0	b8	
532	2.0	b9	
531	2.5	a8	
530	2.0	a10	
799	2.0	b7	
798	3.0	b7	

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1930phae.proj.23421

			19.12H13-	
797	2.0		a 9	
796 0330-3220.3	4.0		d 9	
213 0331-3230.3	5.0		i c7	
538	1.0-		f8	
534	1.0-		a8	
795-	- - - - - - - - - - - -		star	- - - - - - - - - - - -
214	2.0		b7	
217	3.0		b6	
537	1.0		a 9	
538	2.0-		a8	
539	1.0		b9	
216 0331-3157.1	2.0-		i f9	two nuclei ? or ft. star
215- 1329-3201.7	2.0-		i b8	two neb?
771	1.0-		a 9	
770	2.0		b7	

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1930phae.proj.2342m

7.12413-

769	1.0	a9	
5H1	1.5	a9	
5H2	----	star	----
5H3	----	star	----
5H4	1.5	af	
5H5	1.5	bf	
5H6	1.0	b10	
295 1333-3142.9	2.0	b9	
219	1.5	b10	
234 1332-3054.4	5.0	sf5	60°
562	1.5	a9	
560	1.5	a9	extremely faint-more shadow
561	1.0	ibf	
567	0.5	c9	
230	4.0	a7	
560	1.0	b9	
569	3.5	a9	

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1930phae.proj.23420

		17.12413		
570	1.0	ib	two lunats	
571	1.0	b7		
572	2.0	b5		110°
573	1.0	b9		
574 1334-3823.0	7.0	LE1		100°
236	2.0	a6		
575	1.0	a4		
237	0.5	Lf2		43°
576	2.0	a7		
238 1332-3023.0	0.5	LE3		60°
577	1.0	a9		
578	2.0	a7		
31f 1333-3814.1	2.0	d8		
580	2.0	a7		
579	1.0	a6		

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		A. 12415	
243a	1.0	a8	
242	2.0	b8	
244 1332 – 3013.6	3.0	ib6	
245	2.0	b8	
246 1331 – 2954.4	3.0	a5	110°
249	2.0	ic7	
626	1.0	a9	
627	1.0	a8	
628	1.0	a7	
629	1.5	a8	
630	1.5	a9	
631	1.5	a9	
246 1330 – 2954.8	3.0	a9	
625 1330 – 2952.1	4.0	c9	
247	3.0	a6	

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1930phae.proj.2342m

17.1241.5

586	1.5	aq	
587	2.0	a7	
588	2.0	af	
589	1.5	aA	
252	2.5	c10	
253	1.5	bA	
259a	1.5	a7	
259b	2.5	a7	
am	1.5	aA	
1005	1.5	a5	100°
~~1005~~			
595	1.0	af	
597	1.5	af	
598	2.0	aq	
599	2.0	af	

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1930phae.proj.2342M

F.1245

272	2.5"	a6	
267	2.0	b5-	
266a	1.5"	a9	
266b	2.5	a7	
265	- - - - - - - - - - -	star - - - - - - - - - - -	
270 1330-2245.8	6.0	a5	105.0
271 I.C.4295	4.0	b5-	70°
615"	1.0	a9	
269	1.0	b9	
616	1.0	a6	
617	1.0	a8	
264	2.0	f10	
618	1.0	b9	
263	1.5"	b10	
619	- - - - - - - - - - - - - -	star - - - - - - - - - - - - - -	
620	1.0	a7	

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1930phae.proj.23420

			7.12413⁻
gf	1.0		a 7
273 1329-2819.4	2.0		b 7
208	1.0⁻		a 7
605	1.0⁻		a f
604	1.0		a f
603	1.0		b 9
606	1.0⁻		a 9
279 IC.4294	4.0		c 7
10⁻ IC.4303	2.0⁻		b f
280	1.0⁻		a f
281	1.0⁻		a f
289	1.0⁻		b 7
~~607~~	2.0	star	a 7
287	1.0⁻		b f
288	2.0		a 7

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1930phae.proj.2342m

A. 12 41 0⁻

610	1.5⁻	a6	
2f6	2.0	a9	
332	6.0	a9	
608 I.C. 4290	6.0	iC9	→
609	----------	star	----------
2f4	2.0	b9	
2f3	2.0	b8	
M.	2.0	b8	
7Ha	1.0	a8	
7Hb	7.0	E3	120°
9f2	2.0	a9	
983	2.0	c8	
611	----------	star	----------
612	----------	star	----------
613	2.0	b3⁻	90°

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1930phae.proj.2342M

			17.12 H 12°
27f	2.0		a 9
277	1.0		b 9
270	2.0		b 9
276	1.0		b 9
614	1.5		b 10
br 1327-2831.2	1.5		b 8
274	2.0		a 6
18f	2.0		i c 9 →
279a	1.0		a 9
279b	2.0		a 0
71	2.0		b 8
bg	1.0		b 9
262	1.0		a 9
261	2.0		b 8
25f	2.0		b 6

100-0

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1930phae.proj.2342N

A 12415

257a	1.0	b9	
257b	1.0	b8	
620	1.0	a8	
256	2.0	d7	
255	2.5	b6	50°
621	1.5	b9	
46 E	1.5	a7	
46b	1.0	a9	
46d	2.0	a6	
46a	4.0	d6	
46c	2.0	a6	
68b	1.5	a8	
4A	3.0	a4	70°
251	2.0	a6	
1083	1.5	b10	
168	1.0	a8	
100H	0.5	a9	
622	1.0	b9	
169	2.0	f7	

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1930phae.proj.23420

		H. 12413	
2°0 1327-29414	2.0	a 6	
624	1.0	c 7	
623	1.0	a 2	
632	1.0	i b7	two nuclei
633	0.0⁻	a 7	
634	1.0	b 2	
630⁻	1.0	c 9	
10 7	2.0	a 2	
166	1.0	b 2	
165⁻	1.0	c 2	
164	1.0	b 7	
176	1.0	b 9	
77 2	1.0	b 10	
779	1.0⁻	b 9	
782		star	

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1930phae.proj.2342M

R. 12415

120 1327 – 3212.9	5.0		c 5	150°
219	3.5		c 5	170°
794	2.0		c 9	
793	3.0		b 9	
792	9.0		e 8	
791 N. 5193	5.0		d 8	
790			star	
789	1.5		b 8	
788	2.0		i b 9 →	
787	1.5		b 9	
786	1.5		a 9	
785	1.5		b 9	
118a	1.0		b 9	} double nebula
118b	1.5		a 8	
118c	1.5		f 9	

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1930phae.proj.2342n

		7.12+19-	
119 c	2.0		b10
7A3	1.5-		a8
7A4	1.5-		b8
6A a	1.5-		b10
6A b	2.0		c6
113a	1.5-		a10
119a	2.5-		a7
119 b	1.5-		a9
A02	2.0		c9
115-	2.0		a10
11C	1.0-		b10
A06	1.0		f10
40 N.S=141	23.5-		L E5-
A00	- - - - - - - - - -		star
A01	2.5-		A6

100°

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1930phae.proj.2342m

A. 12413-

ag	1.5-	b10	
403	2.0	f10	
112	2.0	b10	
932	- - - - - - - - - - - - - -	two stars - - - - - - - - - - - -	
931	1.5-	f9	
113-b	2.0	a7	
113c	2.0	b10	
113d	1.5-	a8	
934	1.5-	a9	
78	2.5-	L:b5-	40°
77	2.5-	a6	
933	2.5-	ε10	
ab	3.0	a9	
577	1.0	i:Lf4	105-0
160	1.5-	ε9	

1323-3002-3

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1930phae.proj.2342m

		17.1241.5	
161	2.5	a 7	
162	3.0	a 9	
aw	1.0	a 9	
105-A	2.0	a 9	
105	1.5	a 9	
15-1	1.0	b10	
91	6.0	b5	20°
I 4247			
962	1.5	b10	
961	2.0	c9	
ac	1.5	b10	
964	2.0	b10	
96.3	1.0	b9	
100	1.5	b9	
99	2.0	c10	
af	2.0	a 8	

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1930phae.proj.2342m

17.12415

26	2.0	b9	
9f	2.0	a10	
21	2.0	b9	
20 N.G.C.135	2.0	b5	60°
22	2.5	b9	
23	1.5	f9	
973	1.5	b9	
103 I.C.4248	3.0	E9	
972	1.5	b9	
102	2.0	b9	
9g	1.0	a10	
25 1921-2937.4	10.0	if9	
101	1.5	i b0	
971	1.5	b10	
163	1.0	b10	

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1930phae.proj.23422

17.12415

47a	1.0		b9	
47b	1.0		a9	
47c } I 4259	5.0		c6	
47d	1.0		b9	
47e	1.0		f8	
167	1.5-		f9	
190	1.5-		b9	
171	1.0		b10	
af			star	
172			star	
ay			star	
173	1.0		b10	
68a } IC. 4274	2.0		b10	
1011	2.5-		i b4	two nuclei 110°
1014	1.5-		a7	
w	1.5-		b10	

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1930phae.proj.23421

			R. 12 41.5	
69-b	1.5		bd	
69a I.C. 4275	2.0		a 9	
179	1.5		ad	
178	1.5		b 9	
75d	1.0		a 9	
75c	1.5		b 9	
70a	1.0		b 9	
70b	1.0		b 9	
75a	1.5		vic	possibly double neb. 110°
75b	1.5		b 9	
985	1.0		a 9	
183	2.0		a 9	
184	4.0		b 6	
185	2.0		a 9	
ab	2.0		a 6	

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1930phae.proj.23421

17.12+1.5

186	1.0	b9	
187	1.0	b9	
784	1.0	b2	
106	1.0	a10	
180b	1.0	a9	double neb.
180a	1.0	b10	
177c	1.0	aA	
177b	1.0	b2	
177a	1.0	b9	
17c	1.0	a9	
105c	1.0	a10	triple neb.
105b	0.5	b10	
105a	1.0	a9	
174	1.0	a10	
181	2.0	a9	

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1930phae.proj.2342m

7.12415

19 N.5153	3.5"		c10
1f N.5152	9.0		ic6
1f2b ~~N.5150~~	2.5"		b6
1f2a	1.5"		a9
17 N.5150	2.5"		d9
7f6	1.0		a9
9f9	1.0		a8
9f8	2.0		c8
al	2.5"		a6
am	2.0		a9
dd	2.0		a8
975"	2.0	star	a9
1H	2.5"		b8
1C IC.4251	2.0		a9
104C	2.0		a9

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1930phae.proj.2342m

7.12 4 10⁻

104b	1.0		a9
104a	2.5		b8
~~994~~	~~1.5~~	~~star~~	~~a8~~
10⁻	4.0		b10
~~eg~~	~~1.0~~	~~star~~	~~b10~~
105⁻	1.0⁻		b10
aa	2.0		a8
201	1.0		a9
189	3.0		b9
190	2.0		b7
976	2.0		b8
12	4.0		b7
v	3.0		a6
am	2.0⁻		a9
191	2.0		b10

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1930phae.proj.2342M

17.12410⁻

192a	2.0		a10
192b	1.5		a8
~~192c~~	~~2.0~~	star	a8
193	2.0		b10
~~194~~	~~2.0~~	star	a7
195	2.0		a10
196	1.0		a10
197	2.5		b7
I.C. 4260			
H1	3.0		b9
H2	3.5		b8
198	2.5		b7
199	3.0		b7
200	2.0		c7
201	2.5		b6
202	2.0		a9

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1930phae.proj.23420

		7.12419-	
203		three stars	
979	3.5-	b9	
978 I.C.4253	3.0	a10	
980	2.0	a8	
bc	2.0	a7	
bd I.C.4261	2.5-	b8	
204	1.5-	a8	
44	8.5-	c6	
981 I.C.4276	2.5-	b7	
45- N.5182	7.0	pS/5-	170°
206 I.C.4262	5.0-	b6	
111	2.0	b8	
1003	2.5-	a7	
g	3.5-	b9	
110	3.0	b6	

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1930phae.proj.23421

		H.12415	
ap	3.5	a6	
ao	3.0	a7	
h		three stars	
10f	3.5-	af	
977	3.5-	a7	
f	3.0	a6	very doubtful
a	4.0	a7	
1	3.0	bf	
107	2.5-	af	
1002	2.0	a7	
13	2.5-	a9	
ay	2.0	bf	
2	3.5-	c9	
a	2.0	bf	
11	3.5-	af	

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1930phae.proj.23420

R. 12415-

989	2.0	a b	
3	4.0	i bq	
969	2.0-	a 7	
968	2.0-	a b	
970	2.0	b b	
90	2.0	b q	
29c	2.0-	b q	
29b	1.0-	a q	
29a	6.0	b 0-	130°
960-	2.0	b q	
27 N-5124 1819-2946.7	8.0	E 0-	170°
28a N-5126 1819-2948.2	7.0-	c 0-	130°
28b	1.0-	a q	
966 IC. 4233	2.0	a 10	
967	2.0	a q	

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1930phae.proj.2342m

A.12415

90-7	2.0	b9
90-8	2.0	a8
32 1319-3301.3	3.0	b7
960	2.0	a7
90-9	1.5	a8
93	2.0	b8
90-5	2.0	a7
90-4	2.0	a8
94	2.0	a7
90-6	two stars	
994	2.5	b9
990	5.5	b6
992	2.0	b7
992	2.0	a8
990	5.0	a7

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1930phae.proj.23420

		H. 12415⁻	
991	3.0	a6	
997	2.0⁻	b6	
996	6.0	a4	170⁻⁰
6	3.0⁻	c9	
7	2.0	a9	
8	3.0	b8	
993	2.0.	b8	
41	2.0⁻	a10	
4	2.0⁻	c9	
60 (IV.5-10⁻)	6.0	c6	
7 (H.5-11⁻)	3.0	c9	
1319-31484			
99	2.0⁻	b7	
995	3.0	b8	
61	3.0	a9	
59	4.0	b10	
70	5.0	a6	

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1930phae.proj.23422m

56 9346 (δ 24 - 50.5)

Hrb.	Diameter 1	Diameter 2	Mean	"	Concentration & Form 1	Concentration & Form 2	Mean Orient.
519	2.0	1.0	2.0	24.0	b7	b8	b7
pos. as 403 on 4179							
pos. 518	2.0	1.0	1.5	18.0	a8	a8	a8
pos. as 451a on 14272		3.0					skipped, mean later taken at random
218	2.0	2.0	2.5	30.0	b8	b9	b8
		2.0					
517	1.5	1.5	1.5	18.0	a10	a10	a10
pos. as 452 on 14272		3.5					
520	3.0	3.0	3.0	36.0	c7	c8	c8
pos. as 402 on 4179		3.5					
516	3.0	3.0	3.0	36.0	a9	a10	a9
pos. as 453 on 14272							
220	2.0	1.0	1.5	18.0	a9	a9	a9
467	2.0	2.0	2.0	24.0	a10	a10	a10
pos. as 404 on 4179							
468	1.5	2.0	1.5	18.0	b10	a9	a9
pos. as 457 on 14272							
very doubtful 469	1.0	1.0	1.5	18.0	a6	a7	a6
pos. as 462 on 14272							
470	1.0	2.0	1.5	18.0	a7	a8	a8
pos. as 464 on 14272		2.5					
471	2.0	2.0	2.0	24.0	b7	b8	b7
pos. as 463 on 14272							
I 1903	duplicated						
	2.0	2.0	2.0	24.0	a9	b9	b9
472							
pos. as 455a on 14272							
473	1.5	2.0	1.5	18.0	b9	c9	b9
pos. as 454a on 14272		1.5					
474			1.5	18.0	b9	b9	b9
pos. as 480a on 14272							
475a	1.0	1.0	1.5	18.0	a10	b10	b10
pos. as 469 on 14272	2.0	2.0	2.0	24.0	a9	a8	a9
475b							
touching star 476	2.0	1.0	2.0	24.0	b9	c10	c10
pos. as 468 on 14272		2.5					
477	2.0		2.5	30.0	a9	a9	a9
pos. as 481a on 14272							
478	1.5	1.0	1.5	18.0	a9	a9	a9
pos. as 482a on 14272	1.0	1.0	1.0	12.0	a8	a10	a9
* 479							
pos. as 467 on 14272	2.5	2.5	2.5	30.0	a9	a10	a9
480							
pos. as 466 on 14272							
* 481	2.0	2.0	2.0	24.0	a8	b8	b8
pos. as 465 on 14272	2.5	2.5	2.5	30.0	b8 a7	b8	b8
499	2.0						
pos. as 583 on 14272							
487	1.0	1.0	1.0	12.0	a10 b9	a8	a7
pos. as 573 on 14272	1.5						
488			1.0	12.0	a10	c10	c10
pos. as 574 on 14272							

* 479 double in contact with 480. Barely visible on this plate : classified on 14272. Is no. 467 on latter plate.
481 as for 479. 2a 460 " " "

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1930phae.proj.23422m

Heb.	Diameter 1	2	Mean	"	Concentration & Form 1	2	Mean Orient.
489	1.0	1.0	1.0	12.0	a9	a10	a9
pros. as 575 on 14272 with 488 classified on 14272, as too faint here. Equal 575+575-74 on 14272							
490	~~1.0~~ 1.5	~~1.0~~ 2.0	~~1.0~~ 2.0	24.0	a10	a10	a10
pros. as 588 on 14272							
491	1.5	1.0	1.5	18.0	a9	a10	a10
pros. as 794 on 14272							
492	2.0	2.0	2.0	24.0	a6	a8	a7
pros as 797 on 14272							
493	1.0	~~2.0~~ 1.5	~~1.5~~	18.0	b10	b9	b10
pros. as 799 on 14272							
494	~~1.0~~ 2.0	~~1.0~~ 2.0	~~1.0~~ 2.0	24.0	a9	a9	a9
pros. as 800 on 14272							
483	1.5	1.0	1.5	18.0	a10	a10	a10
pros. as 576 on 14272							
484	~~2.0~~ 2.0	~~1.5~~ 2.0	~~1.5~~ 2.0	24.0	a7	a8	a8
pros. as 577 on 14272							
485	1.0	1.5	1.5	18.0	a8	a8	a8
pros. as 578 on 14272							
486	~~2.0~~ 2.0	~~1.0~~ 2.0	~~1.0~~ 2.0	24.0	b8	b8	b8
pros. as 579 on 14272							
508	~~2.0~~ 2.5	~~1.5~~ 2.0	2.0	24.0	a9	b7	a8
507	~~2.0~~ 2.5	~~1.5~~ 2.5	~~1.5~~ 2.5	30.0	a8	a7	a7
pros. as 587 on 14272							
I 1912 duplicated						E	
495	~~1.0~~ 1.5	~~1.0~~ 1.5	~~1.0~~ 1.5	18.0	~~b9~~	~~b9~~	b9
pros. as 801 on 14272 Heb. appears to be ⊙, with outer circle so faint as to be barely visible.							
496	1.5	1.5	1.5	18.0	b9	c9	b9
pros. as 802 on 14272							

Probably film grain for such a formation does not show on 14272

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1930phae.proj.2342N

Plate	Diameter 1	Diameter 2	Mean	"	Concentration & Form 1	2	Mean	Orient.
497	1.5	2.0	1.5	18.0	b8	b8	b8	
pos. as 238 on 4179								
521	1.0	1.0	1.0	18.0	a9	a8	a8	
pos. as 39 on 4179								
498	2.0 1.0	2.0 1.0	2.0 1.0	24.0	a9	a9	a9	
pos. as 584 on 14272								
I 1914 duplicated								
410	2.0 1.0	2.0 1.0	2.0 1.0	24.0	a8	a9	a8	
pos. as 145 on 14280								
411	2.0 1.0	2.0 1.0	2.0 1.0	24.0	a9	a9	a9	
pos. as 411 on 14280								
412	2.0 1.5	2.0 1.0	2.0 1.0	24.0	b9	a9	a9	
pos. as 139 on 14280								
I 1916 duplicated								
530	2.0 1.0	2.0 1.0	2.0 1.0	24.0	a8	a9	a9	
pos. found as 82 on 14269								
413	1.0	1.0	1.0	12.0	b10	b10	b10	
pos. found as 86 on 14269								
608	2.5 2.0	2.5 2.0	2.5 2.0	30.0	a7	a7	a7	
pos. found as 87 on 14269								
607	1.0	1.0	1.0	12.0	a9	a9	a9	
pos. found as 89 on 14269								
482	1.0	1.0	1.0	18.0	a10	b10	b10	
pos. as 483 a on 14272								
506	2.5 2.0	2.5 2.0	2.5 2.0	30.0	a7	a9	a8	
pos. as 477 on 14272								
505	2.5 2.0	2.5 2.0	2.5 2.0	30.0	a8	a8	a8	
pos. as 478 on 14272								

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1930phae.proj.23420

H 3346

Yrb.	Diameter 1	Diameter 2	Mean	"	Concentration & Form 1	Concentration & Form 2	Mean Orient.
504	1.5 1.0	1.5 1.0	1.5 1.0	18.0	a10	a10	a10
pos. as 580 on 14272							
509	2.0	1.0	2.0	24.0	c9	b10	c9
510	2.0	2.0	2.0	24.0	a9	a9	a9
pos. as 471a on 14272							
511	2.0 1.0	2.0 1.0	2.0 1.5	24.0	a10	a10	a10
pos. as 472 on 14272							
512	2.0 1.0	2.0 1.0	2.0 1.0	24.0	a8	a10	a9
pos. as 470a on 14272							
513	2.0	1.5	1.5	18.0	a9	a9	a9
pos. as 474 on 14272							
514	2.0 1.0	2.0 1.0	2.0	24.0	a7	a7	a7
515	2.0	2.0 1.0	2.0	24.0	a9	a10	a10
pos. as 473 on 14272							
503	2.0 1.0	2.0 1.0	2.0 1.0	24.0	a9	a9	a9
pos. as 476 on 14272							
502	2.0 1.0	2.0 1.0	2.0 1.0	24.0	a9	a9	a9
pos. as 479 on 14272							
501	1.5 1.0	1.5 1.0	1.5 1.0	18.0	a10	a10	a10
pos. as 581 on 14272							
500	1.5 1.0	1.5 1.0	1.5 1.0	18.0	b9	a10	b9
pos. as 582 on 14272							
520	2.0 1.0	2.0 1.0	2.0 1.0	24.0	c10	b10	b10
pos. as 27 on 14280							
pos. formal as 95 on 14269							
603	2.0	2.0	2.0	24.0	a9	a8	a9

Equals 95

Measured on 14269 as scratch cross on 3346. Allowance made for near edge of plate

I 1935 duplicated

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1930phae.proj.2342N

Neb.	Diameter 1	2	Mean	"	Concentration 1	2	Mean	Orient.
~~99~~	Duplicate							
466	1.0	1.0	1.0	18.0	~~b~~ a9	b9	b9	
pos. as 145 on 14280								
604	1.5 ~~1.0~~	1.5 ~~1.0~~	1.0 ~~1.0~~	18.0	a9	a9	a9	
pos. found as 94 on 14269								
605	1.0	1.0	1.0	12.0	a10	a10	a10	
pos. found as 93 on 14269								
606	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	~~i~~ b7	b8	~~i~~ b8	
pos found as 90 on 14269								
414	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a8	b10	b9	
pos. found as 88 on 14269								
415	2.5 ~~1.0~~	2.5 ~~2.0~~	2.5 ~~2.0~~	30.0	a9	a9	a9	
pos. found as 92 on 14269								
522	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a10	a10	a10	
pos. as 8 on 4179								
460	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	c9	c10	c9	
609	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b10	b10	b10	
529	1.5 ~~1.0~~	1.5 ~~0.5~~	1.5 ~~1.0~~	18.0	~~b~~ a9	a10	a10	
pos. found as 83 on 14269)								
528	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a10	a9	
pos. as 84 on 14269								
(pos. found as 85 on 14269) 527 a	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a9	a10	a10	
527 b	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a10	a10	a10	
531	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b9	a10	b9	
pos found as 97 on 14269						~~a10~~		
532	1.5 ~~1.0~~	1.5 ~~1.0~~	1.0	12.0	a8	a8	a8	

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1930phae.proj.2348

17 3346

Neb.	Diameter 1	2	Mean	"	Concentrations & Lum 1	2	Mean Orient.
533	1.0	1.0	1.0	18.0	ic 8	b 9	ib 9
→ pos. found as 362 on 14269							
534	1.0	1.0	1.0	18.0	a 10	b 9	a 10
pos. found as 365 on 14269							
535	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	b 10	b 9	b 9
pos. found as 363 on 14269							
536	1.0	1.0	1.0	12.0	~~b~~ 9	a 9	b 9
pos. found as 364 on 14269							
537	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a 9	a 9	a 9
pos. found as 367 on 14269							
539	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a 6	a 8	a 9
pos. found as 369 on 14269							
540	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a 8	b 9	b 9
pos. found as 372 on 14269							
541	3.0	2.0	2.0	30.0	a 5	a 5	a 5 ~~10~~ 100
pos. found as 371 on 14269							
542a	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a 8	b 9	a 8
pos. found as 366 on 14269							
542b	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a 8	b 9	b 9
543	1.0	1.0	1.0	12.0	b 10	a 10	b 10
pos. found as 385 on 14269							
544	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b 9	c 9	c 9
pos. found as 387 on 14269							

I 1921 ~~duplicated~~

I 1922 "

I 1926 "

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1930phae.proj.2342N

62 17336

Neb.	Diam. 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
~~392~~	duplicate							
I 1932	"							
I 1936	"							
I 1925	"							
~~390~~	duplicate							
546	1.5	1.0	1.5	18.0	a10	a10	a10	
pos. found as 393 on 14269								
602	1.5	2.0	2.0	24.0	a8	a9	a8	
pos. found as 705 on 14269								
I 1950	duplicated							
547	~~1.0~~ 2.0	~~1.0~~ 2.0	~~1.0~~ 2.0	24.0	a9	a9	a9	
pos. found as 490 on 14269								
548	~~2.0~~ 3.0	~~2.0~~ 3.0	~~2.0~~ 3.0	36.0	a6	a8	a7	
pos. found as 499 on 14269								
549	~~1.0~~ 2.0	~~1.0~~ 2.0	~~1.0~~ 2.0	24.0	a9	a9	a9	
pos. found as 498 on 14269								
550	~~2.0~~ 2.5	~~2.0~~ 2.5	~~2.0~~ 2.5	30.0	b8	c9	c9	
pos. found as 497 on 14269								
H24	2.0	2.0	2.0	24.0	c7	b8	c7	
~~pos.~~ found as 390 on 14269								
H23	~~1.0~~ 1.5	~~1.0~~ 1.5	~~1.0~~ 1.5	18.0	a7	a8	a8	
pos. found as 166 on 14240								
H22	~~1.0~~ 2.0	1.0	~~1.0~~ 2.0	24.0	a7	a8	a7	
pos. as 164 on 14240								

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1930phae.proj..2342N

H 3346

Diams.

Neb.	1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
553	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	b9	b10	b10
pos. found as 392 on 14269							
H20	2.5 ~~2.0~~	2.5 ~~2.0~~	2.5 ~~2.0~~	30.0	a9	a9	a9
pos. as 294 on 14280							
552	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b7	b7	b7
pos. found as 500 on 14269							
H26	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a10	a9
pos. as 291 on 14280							
H27	1.0	1.0	1.0	12.0	a9	a9	a9
pos. as 292 on 14280							
H28	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a10	a10
pos. as 290 on 14280							
H29	3.0 ~~1.0~~	3.0 ~~1.0~~	3.0 ~~1.0~~	36.0	a9	a8	a9
pos. as 293 on 14280							
H24	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a10	b10	b10
pos. found as 389 on 14269							
H20	1.0	1.0	1.0	~~12.0~~	a9	a10	a9
pos. as 151 on 14280							
419	2.5 ~~2.0~~	2.5 ~~2.0~~	2.5 ~~2.0~~	30.0	a9	a8	a8
pos. as 150 on 14280							
451	3.0 ~~2.0~~	3.0 ~~2.0~~	3.0 ~~2.0~~	36.0	b9	a8	b9
pos. as 307 on 14280							
451	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a9	a9
pos. as 308 on 14280							
452	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a8	a9	a9
pos. as 309 on 14280							
452	2.5 ~~1.0~~	2.5 ~~1.0~~	2.5 ~~1.0~~	30.0	a8	a8	a8
pos. as 306 on 14280							
454	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b9	a9	b9
pos. as 310 on 14280							

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1930phae.proj.2342N

Neb.	Diam. 1	Diam. 2	Diam. Mean	"	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient.
455	2.5	3.0	2.5	30.0	a8	a6	a 7	
pos. as 312 on 14280								
456	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a10	a 10	
pos. as 311 on 14280								
457	3.0 ~~2.0~~	3.0 ~~2.0~~	3.0 ~~2.0~~	36.0	b8	~~b9~~	b 8	
pos. as 317 on 14280								
458	2.5 ~~2.0~~	2.5 ~~1.0~~	2.5 ~~2.0~~	30.0	a9	a9	a 9	
pos. as 358 on 14280								
459	2.5 ~~2.0~~	2.5 ~~2.0~~	2.5 ~~2.0~~	30.0	a9	b8	b 8	
pos. as 359 on 14280								
460	3.0 ~~2.0~~	3.0 ~~2.0~~	3.0 ~~2.0~~	36.0	a9	a8	a 9	
pos. as 360 on 14280								
409	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b10	a10	a 10	
pos. as 51 on 4181								
448	4.0 ~~2.0~~	4.0 ~~1.0~~	4.0 ~~2.0~~	48.0	b7	b8	b 7	
pos. found as 964 on 14269								
447	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b10	b10	b 10	
pos. found as 709 on 14269								
599	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a10	a 10	
pos. found as 710 on 14269								
598	1.0	1.0	1.0	18.0	c10	b10	c 10	
pos. found as 711 on 14269								
597	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a9	a10	a 10	
pos. found as 712 on 14269								
596	2.0 ~~1.5~~	2.0 ~~1.5~~	2.0 ~~1.5~~	24.0	a9	a10	a 9	
pos. found as 714 on 14269								
594	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a10	a10	a 10	
pos. found as 715 on 14269								
593	1.5	1.0	1.5	18.0	a9	a10	a 10	
pos. found as 965 on 14269								

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73346

Nb.	Beam. 1	2	Mean	"	Concen. & Beam 1	2	Mean Orient.
590	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~ ✓	18.0 ✓	a10	a10	a10
pos. found as 967 on 14269							
591	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~ ✓	24.0 ✓	a10	a10	a10
pos. found as 968 on 14269							
449	2.0	1.0 ✓	2.0 ✓	24.0 ✓	a9	b9	a9
pos. found as 969 on 14269							
579	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~ ✓	24.0 ✓	a8	a8	a8
pos. found as B277 on 14269							
578	2.5 ~~2.0~~	2.5 ~~2.0~~	2.5 ~~2.0~~ ✓	30.0 ✓	a9	a8	a8
pos. found as B276 on 14269							
577	2.0 ✓	2.0 ✓	2.0 ✓	24.0 ✓	a9	a9	a9
pos. found as B277 on 14269							
576	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~ ✓	24.0 ✓	a9	a8	a9
pos. found as B279 on 14269							
575	3.0 ~~2.0~~	3.0 ~~2.0~~	3.0 ~~2.0~~ ✓	36.0 ✓	b8	b8	b8
pos. found as 961 on 14269							
580	3.0 ~~2.0~~	3.0 ~~2.0~~	3.0 ~~2.0~~ ✓	36.0 ✓	a9	b9	b9
pos. as 400 on 3339							
610	2.5 ~~2.0~~	2.5 ~~1.0~~	2.5 ~~1.0~~ ✓	30.0 ✓	a9	b8	a9
pos. as 399 on 3339							
592	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~ ✓	18.0 ✓	b10	b10	b10
pos. found as 966 on 14269							
565	1.0 ✓	1.0 ✓	1.0 ✓	12.0 ✓	b9	a10	a10
pos. found as 963 on 14269							
564	1.0 ✓	1.0 ✓	1.0 ✓	18.0 ✓	a9	a9	a9
pos. found as 962 on 14269							
563	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~ ✓	24.0 ✓	b9	b10	b9
pos. found as 961 on 14269							
562	3.5 ~~2.0~~	3.5 ~~2.0~~	3.5 ~~2.0~~ ✓	42.0 ✓	a8	a8	a8
pos. found as 960 on 14269							

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1930phae.proj.2342N

Nb.	Diam. 1	Diam. 2	Diam. Mean	"	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient.
561	3.0 ~~1.0~~	3.5 ~~1.0~~	3.0 ~~1.0~~	36.0	a5	a5	a5	30° ~~120°~~
pos. found as 959 on 14269								
559	1.0	1.0	1.0	12.0	a8	a9	a9	
pos. found as 957 on 14269								
557	1.5	1.0	1.5	18.0	a8	a9	a8	
pos. found as 719 on 14269								
556	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a9	a9	a9	
pos. found as 718 on 14269								
555	1.5	1.0	1.0	12.0	a9	a9	a9	
pos. found as 717 on 14269								
~~566~~	~~1.5~~	~~1.5~~	~~1.5~~	~~18.0~~	~~a9~~	~~a9~~	~~a9~~	
used as 949 on 14269								
567	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	a10	a10	a10	
pos. found as 955 on 14269								
568	1.5	1.0	1.5	18.0	a9	a10	a10	
pos. found as 956 on 14269								
569	1.0	1.5	1.5	18.0	a9	a10	a9	
pos. found as 971 on 14269								
570	2.0 ~~1.5~~	2.0 ~~1.0~~	2.0 ~~1.5~~	24.0	a9	a9	a9	
pos. found as 972 on 14269								
571	1.5 ~~0.5~~	1.5 ~~1.0~~	1.5 ~~0.5~~	18.0	a9	a9	a9	
pos. found as 973 on 14269								
574	1.0	1.5	1.5	18.0	a8	a8	a8	
pos. found as 979 on 14269								
600	2.5 ~~1.5~~	2.5 ~~1.0~~	2.5	30.0	b9	a10	a10	
pos. found as 974 on 14269								
601	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0 ~~30.0~~	a10	a10	a10	
pos. found as 976 on 14269								
~~566~~	1.5	1.0	1.5		a9	a9	a9	

Duplicate

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1930phae.proj.2342N

173346

Yrb.	Diam. 1	Diam. 2	Mean		Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient.
415	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b8	b9	b8	
pos. as 149 on 14280								
417	2.0 ~~1.5~~	2.0 ~~1.5~~	2.0 ~~1.5~~	24.0	a9	a10	a10	
pos. as 148 on 14280								
416	2.0	2.0	2.0	24.0	b9	b9	b9	
pos. as 141 on 14280								
430	1.0	1.0	1.0	12.0	a9	a10	a9	
pos. as 163 on 14280								
431	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	b10	b10	b10	
pos. as 167 on 14280								
432	~~3.5~~ ~~2.0~~	~~3.5~~ ~~2.0~~	~~3.5~~ ~~2.0~~	42.0	b5	b5	b5	~~35.0~~ ~~120~~
pos. as 168 on 14280								
433	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a10	a10	
pos. as 157 on 14280								
434	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	b10	b10	b10	
pos. as 158 on 14280								
435	1.0	1.0	1.0	18.0	c9	a9	b9	
pos. as 159 on 14280								
436	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	a9	a10	a9	
pos. as 160 on 14280								
437	1.0	1.0	1.0	18.0	b9	b10	b10	
pos. as 162 on 14280								
438	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ~~2.5~~	24.0	a9	a9	a9	
pos. as 161 on 14280								
439	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ~~1.0~~	18.0	b10	a10	b10	
pos. as 299 on 14280								
444	2.0 ~~1.5~~	2.0 ~~1.5~~	2.0 ~~1.5~~	24.0	a10	a10	a10	
pos. as 301 on 14288								
408	2.0	2.0	2.0	24.0	c10	c10	c10	
pos. as 300 on 14280								

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1930phae.proj.2342m

Neb.	Diam. 1	Diam. 2	Mean	"	Concen. & Form 1	Concen. & Form 2	Mean	Orient.
443	2.0 ~~1.5~~	2.0 ~~1.5~~	2.0 ~~1.5~~ ✓	24.0 ✓	b10	b10	b10 ✓✓	
pos. as 299 on 14280								
440	1.5 ~~1.0~~	1.5 1.0	1.5 ~~1.0~~ ✓	18.0 ✓	a10	a10	a10 ✓✓	
442	2.0 ✓	1.5	2.0 ✓	24.0 ✓	a10	a9	a9 ✓✓	
pos. as 295 on 14280								
441	1.5 ~~1.0~~	1.5 1.0	1.5 ~~1.0~~ ✓	18.0 ✓	a10	a10	a10 ✓✓	
pos. as 297 on 14280								
446	1.5	2.0 ✓	2.0 ✓	24.0 ✓	c10	c10	c10 ✓✓	
pos. as 302 on 14280								
440'	2.0 ~~1.5~~	2.0 ~~1.5~~	2.0 ~~1.5~~ ✓	24.0 ✓	a8	a8	a8 ✓✓	
pos. as 353 on 14280								

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1930phae.proj.2342m

AH272 (3-12-~~25~~26) see next page

Feb.	Diam. 1	Diam. 2	Diam. Mean	"	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient.
22								
23								
24								
25								
102.?								
134								
133								
132.?								
131								
130								
129								
135								
136								
103								
101								
104								
105								
106								
100.?								
99.?								
26								
27								
28								
29								
1	??							
2								
137								
138								

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1930phae.proj.2342N

70 17,4272

( ) corresponding nos. on 173346
( ) " " " B3339

Yrb.	Diam. 1	Diam. 2	Diam. Mean	"		Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean & Remarks
22	6.5: near edge		6.0	6.5:	78.0:	b6	b7	b6:
23	4.0: near edge		4.0	4.0:	48.0:	b7	b6	b6:
24	3.5: near edge		4.0	4.0:	48.0:	b7	a6	b7:
25	2.0: near edge		3.0	2.5:	30.0:	a9	a9	a9:
102 ?	3.5: near edge		3.0	3.5:	42.0:	b8	b8	b8
134	3.0: near edge		2.0	2.5:	30.0:	a8	a7	a7
133	3.5: near edge; possibly a star		3.0	3.0:	36.0:	b7	b7	b7
132 ?	2.5: near edge		2.0	2.5:	30.0:	a9	a8	a9
131	3.0: near edge		4.0	3.5:	42.0:	a8	a8	a8
130	5.0: near edge		4.0	4.5:	54.0:	a6	a7	a7
129	5.0: near edge		4.0	4.5:	54.0:	a8	b8	b8 nebula?
135	4.0: near edge		3.0	3.5:	42.0:	a7	a7	a7
136	3.5: near edge		3.5	3.5:	42.0:	b7	b8	b7
103	3.0: near edge		3.0	3.0:	36.0:	b8	b8	b8
101	3.0: near edge		3.0	3.0:	36.0:	a7	a8	a8

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Neb.		Diam. 1	Diam. 2	Mean Diam.		Concen. & Comm. 1	Concen. & Comm. 2	Mean Concen. & Comm. Orient.	
104	*	3.0 :	3.0	3.0 ✓ :	36.0 ✓ :	b8	a8	b̌ 8̌	
105	*	3.0 :	3.0	3.5 ✓ :	42.0 ✓ :	a8	a8	ǎ 8̌	
106	*	3.0 :	3.0	3.0 ✓ :	36.0 ✓ :	a8	b7	b̌ 8̌	
100?	*	3.0 :	3.0	3.0 ✓ :	36.0 ✓ :	a5	a6	ǎ 6̌	
99?	*	3.0 :	3.0	3.0 ✓ :	36.0 ✓ :	a7	a8	ǎ 7̌	
26	*	4.0 :	4.0	4.0 ✓ :	48.0 ✓ :	a8	a7	ǎ 7̌	
21	*	3.0 :	4.0	3.5 ✓ :	42.0 ✓ :	a6	b5	ǎ 6̌	
27	*	3.0 :	3.5	3.0 ✓ :	36.0 ✓ :	b8	b8	b̌ 8̌	
20	*	3.0 :	3.0	3.0 ✓ :	36.0 ✓ :	a8	a7	ǎ 7̌	
19	*	4.0 :	3.5	3.5 ✓ :	42.0 ✓ :	a8	a8	ǎ 8̌	
1??	*	3.5 :	3.5	3.5 ✓ :	42.0 ✓ :	b6	b7	b̌ 6̌	
2	*	5.0 :	4.0	4.5 ✓ :	54.0 ✓	b6	c7	č 7̌	
137	*	3.5 :	4.0	3.5 ✓ :	42.0 ✓ :	b8	b8	b̌ 8̌	
138	*	~~38.5~~ 42.0	42.5	42.5 ✓	510.0 ✓	ic2	ic3	ĭ č2	~~130°~~ 40°

much elongated large surface brightness, irregular: bright enough for N.G.C.

142		~~3.0~~	~~3.5~~	~~3.0~~	~~36.0~~	a7	~~b8~~	~~a7~~	rejected

* near edge

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
144	2.0	2.5	2.5	30.0	b8	b9	b9	
143	3.5	3.5	3.5	42.0	a5	a5	a5	120° ~~30~~
145	2.5	2.5	2.5	30.0	a7	a6	a7	
139	2.5	3.5	3.0	36.0	a8	b9	a9	
141	3.0	3.0	3.0	36.0	a8	a7	a8	
146	2.5	2.5	2.5	30.0	b7	b7	b7	
147	2.5	3.0	2.5	30.0	b7	a8	a8	
148	2.5	3.0	3.0	36.0	b9	b8	b9	
140	2.5	3.0	2.5	30.0	b8	b8	b8	
211	2.0	2.0	2.0	24.0	b10	b10	b10	
212	1.0	1.5	1.5	18.0	b9	b9	b9	
200	2.0	2.0	2.0	24.0	b10	c10	b10	
201	1.5	2.0	1.5	18.0	a9	a9	a9	
~~202~~	~~1.0~~	injected			a10	a10	a10	
199	1.5	1.5	1.5	18.0	b8	a9	a9	

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Neb.	Diameter 1	2	Mean	"	Concen. & Incrm. 1	2	Mean Incrm.	
149	1.5 ~~2.0~~	1.5	1.5	18.0	b9	b8	b9	
150	2.0	2.5	2.5	30.0	a7	b7	a7	
128	2.0	2.0	2.0	24.0	b9	b9	b9	
127	2.0	2.0	2.0	30.0	a9	b9	b9	
127a	3.0	3.0	3.0	36.0	c7	c7	c7	
213	2.0	2.0	2.0	24.0	b8	b8	b8	
210	2.0	2.0	2.0	24.0	b8	c8	b8	
209	1.5	2.0	1.5	18.0	a8	a8	a8	
208	1.5	1.5	1.5	18.0	a7	b7	b7	
207	1.5	2.5	2.0	24.0	a9	a8	a8	
206	1.0	1.5	1.0	18.0	a10	b10	a10	
205	1.5	2.0	2.0	24.0	b10	c10	c10	
204	1.0	1.5	1.0	12.0	b9	b10	b9	
203	1.0	1.5	1.5	18.0	a9	a10	a10	
193	3.5	3.5	3.5	42.0	b4	b4	b4	90°
194	2.0	2.0	2.0	24.0	a6	a7	a6	

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Neb.	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.
195	1.5	1.5	1.5 ✓	18.0 ✓	b9	b9	b9 ✓✓	
120	1.5	1.5	1.5 ✓	18.0 ✓	a8	b8	a8 ✓✓	
126	2.0	2.0	2.0 ✓	24.0 ✓	b8	a8	a8 ✓✓	
123	2.0	1.5	2.0 ✓	24.0 ✓	a7	a7	a7 ✓✓	
124	2.0	1.5	1.5 ✓	18.0 ✓	a7	a7	a7 ✓✓	
151	not a nebula				~~a9~~	a10	~~a10~~	
109	1.5	2.0	1.5 ✓	18.0 ✓	a8	a9	a8 ✓✓	
113	2.0	2.0	2.0 ✓	24.0 ✓	b8	b9	b9 ✓✓	
111	not a nebula				~~b10~~	a10	~~b10~~	
113	2.0	2.0	2.0 ✓	24.0 ✓	b9	c10	c9 ✓✓	
96	2.0	1.5	1.5 ✓	18.0 ✓	a8	a8	a8 ✓✓	
94	2.0	2.0	2.0 ✓	24.0 ✓	a8	b8	a8 ✓✓	
236	1.5	1.5	1.5 ✓	18.0 ✓	a10	a10	a10 ✓✓	
196	1.0	1.5	1.0 ✓	12.0 ✓	b10	b10	b10 ✓✓	
197	1.0	1.0	1.0 ✓	12.0 ✓	a10	a10	a10 ✓✓	

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H 1427 2 Diameter Concen. & Form

Nb.	1	2	Mean	"	1	2	Mean	Orient.
237	1.5	2.0	2.0	24.0	b9	c10	c 10	
	touching star							
238	3.5	4.0	3.5	42.0	b3	b3	b 3	55° ~~45~~
241	1.0	1.5	1.5	18.0	b9	b9	b 9	
239	1.5	2.0	1.5	18.0	a9	a9	a 9	
240	2.0	2.5	2.5	30.0	c10	c10	c 10	
242	1.5	1.5	1.5	18.0	a6	b7	a 6	
243	1.0	1.0	1.0	12.0	a9	b9	b 9	
333	1.0	1.0	1.0	12.0	a9	b9	a 9	
390	~~not a nebula~~				~~a9~~	~~a9~~	~~a9~~	
192	2.0	2.0	2.0	24.0	a8	b8	b 8	
191	2.0	2.0	2.0	24.0	a9	a8	a 8	
153	1.5	1.5	1.5	18.0	b9	b10	b 9	
152	2.0	2.0	2.0	24.0	a8	a9	a 9	
187	1.5	2.0	1.5	18.0	b9	b10	b 9	
188	1.5	1.5	1.5	18.0	b9	b9	b 9	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
189	1.5	1.5	1.5	18.0	b8	b10	b9	
~~190~~	not a nebula				~~b4~~	~~a9~~	~~b9~~	
245	~~2.5~~ 5.0	5.0	5.0	60.0	c2	c3	c3	~~90°~~ 0°
246	1.0	1.0	1.0	12.0	b8	b10	b9	
332	1.0	1.0	1.0	12.0	b8	c9	c8	
331	1.5	1.5	1.5	18.0	b8	b8	b8	
330	1.0	1.0	1.0	12.0	a8	b9	a9	
392	1.0	1.5	1.5	18.0	a10	b10	b10	
393?	2.5	2.0	2.5	30.0	a7	a6	a7	
~~390~~	not a nebula				~~a8~~	~~a6~~ 7	~~a9~~	
112	2.0	3.0	2.5	30.0	c9	c9	c9	
120	1.5	1.5	1.5	18.0	if10	f10	if10	
121	1.5	2.0	2.0	24.0	b9	b9	b9	
122	1.5	2.0	1.5	18.0	b9	b9	b9	
114	1.5	2.0	2.0	24.0	a7	a8	a7	

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H 4272 Diameter Concen. & Form

Neb.	1	2	Mean	"	1	2	Mean Print
115	2.0	2.5	2.0	24.0	bq	bq	bq
116	1.5	1.5	1.5	18.0	bq	bq	bq
119	2.0	2.0	2.0	24.0	b8	aq	bq
117	1.5	2.0	2.0	24.0	b8	bq	b8
118	1.5	2.0	1.5	18.0	b8	a8	a8
93	1.5	2.0	2.0	24.0	a/o	aq	aq
92	1.5	2.0	1.5	18.0	bq	bq	bq
91	2.0	2.0	2.0	24.0	bq	bq	bq
90	1.5	2.0	2.0	24.0	aq	aq	aq
89	———				bq	b8	bq
	two stars						
88	2.0	2.0	2.0	24.0	b8	bq	bq
87	2.0	3.0	2.5	30.0	aq	aq	aq
	nebula?						
86	2.0	2.0	2.0	24.0	bq	bq	bq
154	1.5	1.5	1.5	18.0	b8	b8	b8
153	2.0	1.5	2.0	24.0	b8	bq	b8

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
85	2.0	3.0	2.5 ✓	30.0 ✓	b7	b7	b7 ✓✓	
84	1.5	1.5	1.5 ✓	18.0 ✓	b8	b8	b8 ✓✓	
71 nebula?	2.0	2.0	2.0 ✓	24.0 ✓	a8	a8	a8 ✓✓	
107	2.0: mar. edge	3.0	2.5: ✓	30.0 ✓	a7	a6	a6 ✓✓	
108	2.0: mr. edge	2.5	2.5: ✓	30.0: ✓	b7	b6	b7 ✓✓	
97	2.5: mr. edge	3.0	2.5: ✓	30.0: ✓	b7	a7	b ✓ 7 ✓	
18	3.0: mr. edge	3.0	3.0: ✓	36.0: ✓	b8	b8	b8 ✓✓	
67	2.0: mr. edge	2.0	2.0: ✓	24.0: ✓	a8	b8	b ✓ 8 ✓	
68	2.5: mr. edge	3.0	3.0: ✓	36.0: ✓	a7	a7	a ✓ 7 ✓	
63	2.5: mr. edge	3.0	2.5: ✓	30.0: ✓	b7	c8	b ✓ 8 ✓	
64	2.5: mr. edge	2.5	2.5: ✓	30.0:	b7	b8	b7 ✓✓	
65 star?	2.0: mr. edge	2.5	2.5: ✓	30.0:	a7	a7	a ✓ 7 ✓	
66	3.5: mr. edge	3.5	3.5: ✓	42.0: ✓	b5	b5	b5 ✓✓	165° ~~70~~
61	3.0: mr. edge	4.0	3.5: ✓	42.0: ✓	a5	a5	a5 ✓✓	175° ~~85~~
62	2.5: mr. edge	3.0	2.5: ✓	30.0: ✓	b10	c10	c ✓ 10 ✓	

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Wb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
28	3.0:	3.0	3.0:	36.0:	a8	a7	ă ǎ	
	: = mr. edge in all cases on this page							
69	3.0:	3.0	3.0:	36.0:	b6	c7	b̆ b̆	
70	2.0:	2.0	2.0	24.0:	b7	b8	b̆ b̆	
60	2.0: ~~3.0:~~	2.0	2.0:	24.0:	a9	a9	ă ǎ	
~~60a~~	———				~~a5~~	~~a5~~	———	
	~~probably~~ star							
29	3.0:	3.0	3.0:	36.0:	a7	c7	c̆ c̆	
58	2.5:	2.5	2.5:	30.0:	a9	a9	ă ǎ	
59	2.5:	2.0	2.5:	30.0:	a8	b8	b̆ b̆	
15	2.5:	2.5	2.5:	30.0:	b5:	b6:	b̆ b̆	170°
	near edge							
16	2.0:	3.0	2.5:	30.0:	a7:	a8:	ă ă	
	near edge							
~~17~~	two stars	———	———		———	———	———	
6	5.5:	5.0	5.0:	60.0:	a6:	a7:	ă l̆	
	near edge							
~~5~~	two stars	———	———		———	———	———	
4	3.5:	3.5	3.5:	42.0:	a4:	a6:	ă ă	170°
	near edge							
3	3.5:	4.0	3.5:	42.0:	b5:	b5:	b̆ b̆	165°
	near edge					~~b5~~		

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Nebula	Diameter 1	2	Mean	"	Concen. + Form 1	2	Mean	Orient.
7	3.0:	3.0	3.0:	36.0:	b7:	b7:	b7	
	near edge							
14	2.5:	3.0	3.0:	36.0:	a9:	b8:	a8:	
	near edge							
30	3.0:	4.0	3.5:	42.0:	b5	a6	a5	0°
	: = nr. edge in all cases on this page							
57	5.5:	8.0	5.5:	66.0:	c4	c4	c4	170°
56	2.5:	3.0	3.0:	36.0:	b6	c7	b7	
55	1.5:	2.0	1.5:	18.0:	a9	a9	a9	
	nebula?							
54	2.0:	2.0	2.0:	24.0:	b8	a8	a8	
53	2.5:	3.0	3.0:	36.0:	a8	a7	a8	
	well scratched							
35	2.5:	2.0	2.5:	30.0:	a7	a7	a7	
33	2.0:	2.5	2.5:	30.0:	b8	a8	b8	
32	2.5:	3.0	2.5:	30.0:	a8	a8	a8	
34	2.5:	2.0	2.0:	24.0:	a8	a8	a8	
73	2.0:	2.0	2.0:	24.0:	a8	a8	a8	
72	1.5:	1.5	1.5:	18.0:	a9	a9	a9	
31	3.0:	3.0	3.0:	36.0:	a9	a9	a9	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
36??	2.0:	3.0	2.5:	30.0:	b8	a9	a̅ 9̅	
37	2.5:	3.0	2.5:	30.0:	c8	b9	c̅ 8̅	
52	~~not a nebula~~				~~a8~~	~~a8~~	~~a8~~	
74	2.~~5~~:	3.0	3.0:	36.0:	c8	c8	c̅ 8̅	
156	2.0	3.0	2.5	30.0	b9	b9	b̅ 9̅	
157	1.5	1.5	1.5	18.0	b9	b8	b̅ 8̅	
83	2.0	2.5	2.5	30.0	a9	a8	a̅ 9̅	
158	2.0	2.0	2.0	24.0	b9	b8	b̅ 9̅	
159	1.5	2.0	1.5	18.0	c10	c9	c̅ 9̅	
164	1.5	2.0	2.0	24.0	ic10	ib9	i̅b̅ 10̅	
	nucleus of center							
162	1.0	2.0	1.5	18.0	b9	b8	b̅ 8̅	
166	2.0	2.0	2.0	24.0	a9	a8	a̅ 9̅	
161?	1.5	2.0	1.5	18.0	a9	b8	b̅ 8̅	
	posibly star							
163	1.5	2.0	2.0	24.0	a10	a10	a̅ 10̅	
165	1.5	2.0	1.5	18.0	c10	c8	c̅ 9̅	

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Heb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
166	1.5	1.5	1.5 ✓	18.0 ✓	a 9	b 9	a ✓ 9 ✓	
167	2.0	2.0	2.0 ✓	24.0 ✓	a 9	b 9	b ✓ 9 ✓	
186	1.5	2.0	2.0 ✓	24.0 ✓	b 9	a 8	b ✓ 9 ✓	
251	2.0	1.5	2.0 ✓	24.0 ✓	b 10	b 10	b ✓ 10 ✓	
168	3.0	3.0	3.0 ✓	36.0 ✓	b 5	b 5	b 5 ✓	50°
168a	1.5	2.0	2.0 ✓	24.0 ✓	a 10	a 10	a ✓ 10 ✓	
~~168b~~	~~not a nebula~~				~~a 10~~	~~a 9~~	~~a 9~~	
170	1.5	2.0	2.0 ✓	24.0 ✓	a 9	a 9	a ✓ 9 ✓	
82?	2.0	2.5	2.0 ✓	24.0 ✓	b 9	b 9	b ✓ 9 ✓	
169	1.5	2.0	2.0 ✓	24.0 ✓	a 9	a 9	a ✓ 9 ✓	
394	1.0	1.0	1.0 ✓	12.0 ✓	b 9	b 9	b ✓ 9 ✓	
	possibly star?							
247	2.0	1.5	2.0 ✓	24.0 ✓	b 9	a 10	a ✓ 9 ✓	
324	1.0	1.0	1.0 ✓	12.0 ✓	b 9	a 9	b ✓ 9 ✓	
248	1.5	2.0	2.0 ✓	24.0 ✓	b 8	b 8	b ✓ 8 ✓	
323	1.0	1.5	1.0 ✓	12.0 ✓	a 7	a 8	a ✓ 8 ✓	
329	2.0	2.0	2.0 ✓	24.0 ✓	b 9	b 10	b ✓ 9 ✓	

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Nb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
328	1.0	1.0	1.0	8.0	a10	a10	a10
327	1.0	1.0	1.0	12.0	a10	a10	a10
326	1.0	1.0	1.0	18.0	b10	b9	b9
325	1.0	1.0	1.0	18.0	b10	a10	a10
250	2.0	2.0	2.0	24.0	b10	b10	b10
249	1.0	1.0	1.0	18.0	a9	a10	a9
254	1.0	1.0	1.0	18.0	b10	b9	b9
253	1.0	1.0	1.0	18.0	b9	b10	b9
252	1.0	1.0	1.0	18.0	b9	b9	b9
321	1.0	1.0	1.0	12.0	a10	a10	a10
258	1.0	1.0	1.0	18.0	a8	a7	a7
257	2.0	2.0	2.0	24.0	a7	a7	a7
256	1.0	1.0	1.0	12.0	b9	b9	b9
255	1.0	2.0	2.0	24.0	a9	a9	a9
259	1.0	2.0	2.0	24.0	a9	a7	a9

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Yale.	Diameter 1	2	Means	"	Concen. & Form 1	2	Mean	Distant.
260	1.0	1.0	1.0	12.0	b10	b9	b 10	
320	1.5	1.5	1.5	18.0	b9	b9	b 9	
185	2.0	2.0	2.0	24.0	c9	b10	c 10	
184	1.5	2.0	2.0	24.0	a8	b9	a 8	
183	1.0	2.0	1.5	18.0	a8	a8	a 8	
182	2.0	2.0	2.0	24.0	a7	b8	b 8	
181	1.5	2.0	1.5	18.0	b7	b8	b 7	
176	1.5	2.0	2.0	24.0	b10	b9	b 9	
177	2.0	3.0	2.5	30.0	a7	a7	a 7	
	in contact with star							
178	1.5	2.0	1.5	18.0	c7	b8	c 7	
179	1.5	2.0	2.0	24.0	c9	b9	b 9	
180	1.5	2.0	1.5	18.0	b10	b10	b 10	
265	1.5	2.0	2.0	24.0	b8	a9	b 9	
264	1.5	2.0	1.5	18.0	b9	b9	b 9	
263	2.0	2.0	2.0	24.0	a8	b9	b 8	

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H14272

Neb.	Diameter 1	2	Mean.	"	Concen. & Lamm 1	2	Mean. Quint.
262	1.5	2.0	2.0	24.0	b8	b10	b9
261	1.5	1.5	1.5	18.0	a8	a10	a9
305	2.0	2.0	2.0	24.0	b7	b9	b8
171	1.5	1.5	1.5	18.0	b10	b9	b9
78	2.0	2.0	2.0	24.0	a9	a10	a9
77	2.0	2.0	2.0	24.0	a9	a10	a10
76	2.0	2.0	2.0	24.0	b9	c9	b9
79	2.0	2.0	2.0	24.0	a10	a9	a10
80	2.0	2.0	2.0	30.0	a8	a8	a8
81	2.0	2.0	2.0	24.0	b7	b7	b7
40	2.0	2.0	2.0	30.0	c6	b8	b7
41	2.0	3.0	2.5	30.0	a8	a8	a8
42	2.0	2.0	2.0	30.0	a7	a6	a6
~~43~~	not a nebula				~~a7~~	~~a7~~	~~a7~~
75	2.0	2.0	2.0	24.0	b9	b10	b9

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
11	2.5:	3.0	3.0:	36.0:	a6	b6	a 6	
	wlan = near edge							
12	3.0:	4.0	3.5:	42.0:	a7	b7	b 7	
13	3.5:	4.0	3.5:	42.0:	b6	b5	b 5	(10°)
8	2.5:	3.0	3.0:	36.0:	a8	a9	a 8	
9	4.0:	4.5	4.0:	48.0:	b5	b5	b 5	15°
39	3.5:	3.5	3.5:	42.0:	b6	b5	b 5	15°
38	4.0:	4.5	4.5:	54.0:	a6	b7	a 6	
44	2.5	3.0	2.5	30.0.	b7	b7	b 7	
45	2.5:	3.5	3.0:	36.0:	a7	a7	a 7	
46	2.5:	3.5	3.0:	36.0:	a7	a7	a 7	
47 ??	2.5:	3.5	3.0:	36.0:	a8	a10	a 9	
48	3.0:	4.0	3.5:	42.0:	b9	b7	b 8	
49	3.0:	4.0	3.5:	42.0:	b10	b10	b 10	
50	2.5:	3.0	3.0:	36.0:	b8	a6	a 7	
51	2.5:	2.5	2.5:	30.0:	c7	b5	c 6	

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Neb.	Diameter 1	2	mean	"	Concen. & Lumm. 1	2	mean	Orient.
172	2.5	3.0	2.5	30.0	a9	a9	a9	
173	3.0	3.0	3.0	36.0	a7	a5	a6	
174	2.0	3.5	3.0	36.0	a9	a9	a9	
175	~~2.0~~ 3.0	3.5	3.5	~~42.0~~	a8	a8	a8	
	Nebula?							
269	2.0	2.0	2.0	24.0	a8	b10	b9	
270	~~2.0~~ 2.5	2.5	2.5	30.0	a9	a8	a8	
271	~~2.0~~ 4.0	4.5	4.0	96.0	~~b3~~	b3	b3	5°
	~~possibly star~~							
272	1.5	2.0	2.0	24.0	a9	b8	a9	
273	1.5	2.0	1.5	18.0	a8	a9	a9	
274	1.5	2.0	2.0	24.0	a8	a7	a8	
275	1.5	1.5	1.5	18.0	a8	b9	b9	
	Classified on A4179 as film is clipped on A14272							
277	2.0	2.0	2.0	24.0	a8	b8	a8	
278	2.0	2.5	2.0	24.0	b7	b6	b7	
279	2.0	2.5	2.5	30.0	a9	a8	a8	
280	2.0	2.5	2.0	24.0	a8	a7	a8	

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Yeb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Print
281	2.5	2.5	2.5	30.0	b8	b7	b7	
282	2.5	2.5	2.5	30.0	a8	a7	a8	
283	2.0	2.0	2.0	24.0	a7	a7	a7	
290	1.5	2.0	2.0	24.0	b8	a8	a8	
I 1877	Classified Bk. B, p. 158							
291	1.5	2.0	1.5	18.0	a9	a9	a9	
292	2.0	2.0	2.0	24.0	c9	a9	b9	
294	1.5	2.0	2.0	24.0	a8	910	a9	
295	2.0	2.0	2.0	24.0	b7	b9	b8	
296	1.5	2.5	2.0	24.0	b8	b8	b8	
297	1.5	1.5	1.5	18.0	a8	a9	a9	
297a	2.0	2.0	2.0	24.0	b6	b6	b6	
298	~~2.0~~ 2.0	1.5	2.0	24.0	b7	a7	b7	
300	1.5	1.5	1.5	18.0	a9	a9	a9	
432?	1.0	1.0	1.0	12.0	a10	a10	a10	
433?	1.5	1.5	1.5	18.0	a10	a9	a10	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
434	1.0	1.5	1.5	18.0	b9	a8	a8	
435	1.5	2.0	1.5	18.0	b8	b8	b8	
436	1.5	1.5	1.5	18.0	b9	b8	b9	
437	1.5	1.5	1.5	18.0	b10	b9	b9	
451	1.5	1.5	1.5	18.0	b9	b9	b9	
452	1.5	1.5	1.5	18.0	c8	b7	c8	
453	2.5	2.0	2.0	24.0	b6	a7	a7	
454	1.0	1.5	1.0	12.0	a9	a8	a9	
455	1.5	1.5	1.5	18.0	c8	c8	c8	
(198) 53	7.5	7.0	7.0	84.0	iE2	c2	id2	40°
concentration a little off center								
301	1.5	1.5	1.5	18.0	a9	a9	a9	
302	2.0	1.5	2.0	24.0	b8	a8	b8	
303	2.0	2.0	2.0	24.0	c8	b9	b9	
304	1.0	1.5	1.5	18.0	a9	a10	a9	
310	1.0	2.0	1.5	18.0	a9	a9	a9	

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Nb.	Diameter. 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
311	1.0	1.5	1.5	18.0	a9	a8	a8	
312	2.0	1.0	2.0	24.0	b6	b6	b6	
313	1.5	2.0	2.0	24.0	b9	a9	b9	
314	1.0	1.0	1.5	18.0	a10	a9	a10	
315	1.0	1.0	1.0	18.0	a9	a9	a9	
316	1.0	1.0	1.0	12.0	b8	a9	a9	
266	4.0	4.0	4.0	48.0	b4	a5	b4	40°
267	2.0	2.0	2.0	24.0	a9	a8	a8	
268	2.0	2.0	2.0	24.0	b9	a10	a9	
276	1.0	2.0	2.0	24.0	a8	a8	a8	
306	1.0	1.0	1.0	12.0	b10	a10	b10	
307	1.0	1.0	1.0	18.0	a9	a9	a9	
308	1.0	1.0	1.0	18.0	a10	a10	a10	
309	1.0	1.0	1.0	18.0	b10	a10	a10	
317	1.0	1.0	1.0	18.0	a7	a6	a6	

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Nebr.	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.
318	1.0	1.0	1.0	12.0	b10	b10	b10	
319	2.0	1.5-	2.0	24.0	a10	a10	a10	
430	1.5-	1.5-	1.5-	18.0	b9	b9	b9	
431	1.0	1.5-	1.5-	18.0	a10	a10	a10	
421	1.0	1.5-	1.0	12.0	b9	b10	b9	
	in contact							
422	1.0	1.0	1.0	12.0	b6	b6	b6	
423	1.0	1.0	1.0	12.0	a10	b10	a10	
424	1.5-	1.5-	1.5-	18.0	c10	c9	c9	
425	1.5-	1.5-	1.5-	18.0	a8	a8	a8	
426	1.0	1.5-	1.5	18.0	b9	b8	b9	
427	1.0	1.0	1.0	12.0	a10	a10	a10	
428	4.0	4.0	4.0	48.0	b5-	b5	b5	115°
429	1.5-	1.5-	1.5-	18.0	b9	a8	a8	
456	1.0	1.5-	1.0	12.0	a10	b10	a10	
456a ~~469~~	1.5-	1.5-	1.5	18.0	b9	a8	a9	

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Yrb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Diam.
~~468~~ 456 b	1.5	1.0	1.0	12.0	b10	a9	b9
~~469~~	1.0	1.0	1.0	12.0	b9	b9	b9
(178) 7	1.0	1.5	1.0	12.0	c10	c10	c10
322	2.0	2.5	2.5	30.0	d8	d7	d8
420	1.0	1.5	1.0	12.0	a8	a9	a9
I1878	classified Bk B, p. 158						
I1879	"	"	"	"			
418	1.0	1.0	1.0	12.0	c9	c9	c9
419	3.0	2.0	2.5	30.0	a10	a10	a10
470	1.0	1.0	1.0	12.0	a10	b9	b10
471	1.5	2.0	2.0	24.0	a8	a8	a8
472	1.5	1.5	1.5	18.0	b8	b7	b7
473	1.0	1.0	1.0	12.0	b10	b9	b10
474	3.0	2.0	2.5	30.0	b9	b8	b8
475	1.5	2.0	1.5	18.0	a9	a8	a9

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
417	2.0	3.0	2.5	30.0	c5	c6	c 6	
416	1.0	1.0	1.0	12.0	a9	a9	a 9	
415	1.0	1.0	1.0	12.0	a10	a10	a 10	
414a	1.0	1.0	1.0	12.0	b10	b10	b 10	
414b	1.0	1.0	1.0	12.0	a10	a9	a 10	
413	1.0	1.0	1.0	12.0	b9	b9	b 9	
412	1.0	1.0	1.0	18.0	b10	a9	b 9	
411	1.0	1.0	1.0	18.0	a10	a10	a 10	
410	1.5	1.0	1.5	18.0	b10	a8	a 9	
409	1.0	1.0	1.0	12.0	a10	b10	a 10	
478	2.0	1.0	2.0	24.0	b10	b10	b 10	
477	1.0	1.0	1.0	12.0	a9	c9	b 9	
476	2.0	2.0	2.0	24.0	b6	b5	b 6	
391	1.0	1.0	1.0	12.0	b10	b10	b 10	
396	1.0	1.0	1.5	18.0	b9	a9	b 9	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Drink.
395	1.0	1.0	1.0	12.0	a10	a10	a10	
407	2.0	2.0	2.0	24.0	a6	a8	a7	
408	2.0	1.0	1.5	18.0	b6	b6	b6	
479	1.0	1.0	1.0	12.0	a9	b9	b9	
480	1.0	1.5	1.0	12.0	b9	b9	b9	
496	1.0	1.0	1.0	12.0	a9	a10	a10	
499	2.0	2.0	2.0	24.0	a7	a7	a7	
500	1.5	1.0	1.0	12.0	a7	a9	a8	
508	4.0	3.0	3.5	42.0	b5	b4	b5	10°
611	2.0	2.0	2.0	24.0	b6	b5	b5	10°
610	1.0	1.5	1.0	12.0	b10	b9	b10	
613	1.5	1.5	1.5	18.0	a10	a10	a10	
612	1.5	2.0	2.0	24.0	b7	b7	b7	
608	1.0	1.0	1.0	12.0	b10	b10	b10	
609	1.5	2.0	1.5	18.0	b9	c10	b10	

nebula??

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
606	1.0	1.0	1.0	12.0	b10	b10	b10	
607	1.0	1.0	1.0	12.0	a9	a9	a9	
510	3.0	2.0	2.5	30.0	c7	c7	c7	
509	1.0	1.0	1.0	12.0	c8	b8	b8	
511	1.0	1.0	1.0	12.0	b10	b10	b10	
[614	2.0	1.0	1.5	18.0	c6	c6	c6]	
	in nebulosity of N1249; not a separate nebula							
615	1.0	1.0	1.0	12.0	b9	b9	b9	
616	1.0	1.0	1.0	12.0	b9	b10	b9	
617	2.0	2.0	2.0	24.0	a6	a5	a5	175°
N1249	classified RMS, p. 158							
503	1.0	2.0	1.5	18.0	f10	f10	f10	
507	1.0	1.0	1.0	12.0	b10	b10	b10	
502	1.5	1.0	1.5	18.0	b9	b10	b9	
506	1.0	1.0	1.0	12.0	a10	a9	a9	
495?	1.0	1.0	1.0	12.0	b10	b9	b10	

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1930phae.proj.23421

Yeb.	Diameter 1	2	Mean	Concen. & Form 1	2	Mean	Remarks

Skipped by mistake

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1930phae.proj.23422

	Diameter				Concen & Form			
Yrb.	1	2	Mean	"	1	2	Mean	Orient.

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1930phae.proj.2342m

98 A1H272

Nebula	Diameter 1	Diameter 2	Diameter Mean	"	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Uncert.
H94	1.0	1.0	1.0	12.0	b10	a10	b 10	
very hard & bright - possibly not nebula?								
501	1.0	2.0	1.0	18.0	f10	f9	f 9	
hard bright center in very faint outer ring of nebulosity								
H05	1.5	1.5	1.5	18.0	b8	c9	c 8	
H82	1.5	1.5	1.5	18.0	b9	b10	b 10	
H81	1.0	1.5	1.5	18.0	a10	a10	a 10	
H06	1.0	1.0	1.0	12.0	a10	b10	a 10	
H04	1.0	1.0	1.0	12.0	b10	b10	b 10	
H03	1.5	1.5	1.5	18.0	a9	a8	a 9	
H02	1.5	1.5	1.5	18.0	a7	a8	a 8	
H01	1.5	2.0	1.5	18.0	a7	a8	a 7	
H00	1.0	1.5	1.5	18.0	a9	a8	a 8	
399	2.0	2.0	2.0	24.0	c8	c8	c 8	
398	1.0	1.0	1.0	12.0	a9	b7	a 8	
397	1.0	1.5	1.0	12.0	a8	a9	a 8	
389	1.0	1.5	1.5	18.0	a9	a10	a 10	

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1930phae.proj.23420

1914272 Diameter " Concen. & Same

Neb.	1	2	Mean		1	2	Mean Orient.
382	1.0	1.0	1.0	12.0	c8	b9	b8
382	1.0	1.0	1.0	12.0	b8	b8	b8
383?	1.0	1.0	1.0	12.0	a8	b9	a9
384	1.0	1.0	1.0	12.0	a8	a8	a8
385	1.0	1.0	1.0	12.0	b8	b8	b8
386	1.0	1.0	1.0	12.0	b9	a10	a9
387	2.0	2.0	2.0	24.0	a10	a9	a9
487	1.0-	1.0-	1.5	18.0	b9	a9	b9
488	1.0-	2.0	2.0	24.0	a10	a10	a10
489	1.0	1.0-	1.0	12.0	b9	b9	b9
380	1.0	1.0-	1.5	18.0	a9	b10	b9
381	1.0	1.0	1.0	12.0	b9	b9	b9
483	6.0-	9.0	6.0	78.0	eb7	b6	eb6
484	1.0-	1.0-	1.5	18.0	a9	a9	a9
485	1.0	1.0-	1.5	18.0	b8	b9	b8

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
486	1.0	1.0	1.0	12.0	b10	b10	b10	
491	0.5	1.5	1.0	12.0	a10	a10	a10	
492	1.0	2.0	1.5	18.0	b8	b5	b5	95°
493	1.5	2.0	1.5	16.0	a9	b7	a8	
504	1.0	1.5	1.5	18.0	b9	c10	c10	
505	1.0	1.0	1.0	12.0	a9	b10	a9	
618	1.0	1.5	1.0	12.0	b8	b8	b8	
619	2.0	2.5	2.5	30.0	a8	b7	b7	
620	1.5	1.5	1.5	18.0	b9	b8	b9	
621	1.0	1.0	1.0	12.0	a9	b8	a8	
622	2.0	2.0	2.0	24.0	b6	b5	b6	
623	2.0	2.0	2.0	24.0	b9	b8	b8	
625	1.0	1.0	1.0	12.0	b9	a10	a9	
490	1.5	2.0	1.5	18.0	a10	a9	a9	
667?	1.5	2.0	2.0	24.0	a8	a8	a8	

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1930phae.proj.23420

A14272

Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Quint.
666	1.5	2.0	1.5	18.0	a9	a10	a9
665	1.0	1.0	1.0	18.0	a9	a10	a10
664	1.0	2.0	2.0	24.0	a10	a10	a10
626	1.0	1.0	1.0	18.0	b9	a8	b9
627	1.0	2.0	1.5	18.0	a10	a10	a10
628	1.0	1.0	1.0	12.0	b10	b10	b10
644	2.0	1.0	1.5	18.0	a10	a9	a9
643	1.0	2.0	1.0	18.0	a9	c8	b9
642	1.0	1.0	1.0	12.0	b10	b9	b9
641	1.0	1.0	1.0	18.0	a10	a10	a10
640	1.0	1.0	1.0	18.0	a10	a10	a10
645	2.0	3.0	2.0	30.0	b9	c9	c9
663	1.0	1.0	1.5	18.0	a9	b10	a9
662	2.0	2.0	2.0	24.0	b9	c7	c8
661	1.0	2.0	1.5	18.0	a8	a8	a8

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Nebr.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Print.
648	1.5	2.0	2.0	24.0	a6	a7	a7	
647	1.5	1.5	1.5	18.0	a9	a9	a9	
646	1.0	1.5	1.0	12.0	a9	a8	a9	
639	1.0	2.0	1.5	18.0	b8	b10	b9	
I 1896	classified, Book B, p. 158							
638	1.0	1.5	1.5	18.0	a7	b7	a7	
	star in contact							
637	1.0	1.5	1.0	12.0	b7	b7	b7	
636	1.0	1.0	1.0	12.0	a7	a7	a7	
635	1.5	1.5	1.5	18.0	b9	b9	b9	
634	1.0	1.5	1.5	18.0	a9	a10	a10	
630	1.0	1.5	1.0	12.0	a9	a10	a9	
376	1.0	1.5	15	18.0	b9	b9	b9	
629	1.0	1.5	1.0	12.0	a10	a10	a10	
633	1.5	1.0	1.5	18.0	a8	a8	a8	
632	1.0	1.0	1.0	18.0	a9	a8	a8	

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AH272

Yrb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
631	1.0	1.5	1.0	12.0	b10	b10	b10	
~~379~~								
379	1.5	2.0	2.0	24.0	a8	a9	a8	
378	2.0	1.5	2.0	24.0	b9	b10	b10	
234	1.0	1.5	1.5	18.0	a9	a9	a9	
233	2.0	2.0	2.0	24.0	a7	a6	a7	
232	1.5	2.0	1.5	18.0	a8	a9	a9	
231	1.5	2.0	2.0	24.0	b9	b10	b9	
230	1.5	1.5	1.5	18.0	a9	b8	b8	
229	1.5	1.5	1.5	18.0	a10	a10	a10	
~~228~~	rejected				~~a10 a9 a10~~			
227	2.0	2.5	2.0	24.0	a6	b5	a5	100°
226	1.5	1.5	1.5	18.0	a6	b8	b7	
335	2.0: mr. edge	2.0	2.0:	24.0:	b7	a7	b7	
334	1.5	1.5	1.5	18.0	a9	b9	b9	
340	3.0	3.0	3.0	36.0	b6	b6	b6	

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Hab.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Dimb.
377	1.5	1.5	1.5 ✓	18.0 ✓	b9	b9	b9 ✓✓	
338	2.0:	2.0:	2.0: ✓	24.0: ✓	a8	b9	a8 ✓✓	
337	2.0:	2.0:	2.0: ✓	24.0 ✓	a7	a9	a8 ✓✓	
336	2.0:	2.0:	2.0: ✓	24.0:	a10	a10	a10 ✓✓	
225?	1.5	1.5	1.5 ✓	18.0 ✓	a9	a9	a9 ✓✓	
~~223~~	rejected				~~a9~~	~~a9~~	~~a9~~	
222	2.0	2.0	2.0 ✓	24.0 ✓	b10	b10	b10 ✓✓	
221	5.0	4.0	4.5 ✓	54.0 ✓	c9	c10	c10 ✓✓	
220	2.0	2.0	2.0 ✓	24.0 ✓	a9	a9	a9 ✓✓	
219	2.0	2.0	2.0 ✓	24.0 ✓	a9	a9	a9 ✓✓	
216	3.5	3.0	3.0 ✓	36.0 ✓	b8	b8	b8 ✓✓	
~~215~~	2 stars							
214	3.0	2.5	3.0 ✓	36.0 ✓	b8	b8	b8 ✓✓	
347	2.5	2.5	2.5 ✓	30.0 ✓	b7	b7	b7 ✓✓	
346	2.5	2.5	2.5 ✓	30.0 ✓	b8	b7	b8 ✓✓	

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Neb	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient
345	2.0	2.0	2.0	24.0	b8	b8	b8	
344	2.0	2.0	2.0	24.0	c9	a9	b9	
343	2.0	2.0	2.0	24.0	b9	a10	a10	
342	2.0	1.5	1.5	18.0	a8	a9	a8	
348	2.0	2.0	2.0	24.0	a8	a9	a9	
349	2.0	1.5	2.0	24.0	a8	a9	a8	
350	1.5	1.5	1.5	18.0	a8	a8	a8	
	probably a star							
351?	2.0	2.0	2.0	24.0	a8	a9	a9	
352	2.0	2.0	2.0	24.0	a9	a9	a9	
353	3.0	3.0	3.0	36.0	a9	b9	a9	
354	2.5	2.5	2.5	30.0	a8	a8	a8	
355	2.0	1.5	1.5	18.0	b8	b8	b8	
362	2.0	2.0	2.0	24.0	a8	a8	a8	
363	2.0	2.0	2.0	24.0	a8	b6	b7	
364	2.0	1.5	2.0	24.0	a7	b6	a7	

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106 A14272 ... Diameter ... Concen. & form ...

Nab.	1	2	Mean	"	1	2	Mean	Orient.
365	2.0	2.0	2.0	24.0	b8	b7	b7	
366	2.0	2.0	2.0	24.0	b7	b6	b7	
367	2.0	2.0	2.0	24.0	b7	b7	b7	
341?	2.0	2.0	2.0	24.0	a8	a7	a7	
356	2.0	2.0	2.0	24.0	a8	a8	a8	
~~359~~	star				~~b8~~	~~a8~~	~~a8~~	
369?	1.5	1.5	1.5	18.0	a8	a8	a8	
370	1.5	2.0	2.0	24.0	a10	a10	a10	
371	1.5	2.0	1.5	18.0	b9	b9	b9	
372	2.5	2.5	2.5	30.0	c10	c10	c10	
373	1.0	1.5	1.5	18.0	b8	b9	b8	
374	3.0	4.0	3.5	42.0	c6	b6	c6	
370	1.5	1.5	1.5	18.0	a6	a7	a7	
358	1.5	1.5	1.5	18.0	b9	b9	b9	
359	1.5	1.5	1.5	18.0	a8	a9	a8	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
360	1.5	1.5	1.5	18.0	b8	b8	B8	
361	4.5	4.0	4.0	54.0	b5	a5	a5	35°
368	2.0	2.0	2.0	24.0	c9	b10	c10	
649	1.0	1.0	1.0	18.0	b8	b9	b8	
650	2.0	2.0	2.0	24.0	a9	a9	a9	
651	1.5	1.5	1.5	18.0	b9	b9	b9	
652	1.5	1.5	1.5	18.0	a10	a9	a9	
653	1.0	1.0	1.0	12.0	b9	b9	b9	
654	2.0	1.5	1.5	18.0	a9	a8	a9	
674	2.0	2.0	2.0	24.0	a6:	a6:	a6:	
673	1.5	1.5	1.5	18.0	a8	a9	a9	
676	2.0	2.0	2.0	24.0	a8	a6	a7	
675	1.5	1.0	1.5	18.0	a8	a8	a8	
	possibly a star							
672	2.0	1.5	1.5	18.0	b8	b8	b8	
656	2.5	2.5	2.5	30.0	a8	a8	a8	

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Yrb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Print.
657	2.0	2.0	2.0	24.0	a8	a8	a8	
658	2.0	2.0	2.0	24.0	c10	b10	b10	
659	2.0	1.5	2.0	24.0	b8	a9	b8	
660	1.0	1.0	1.0	12.0	a9	a9	a9	
671	1.5	1.0	1.0	12.0	b9	b8	b8	
670	1.0	1.0	1.0	12.0	b10	a9	a10	
668	2.0	2.0	2.0	24.0	a10	a9	a9	
677	1.5	1.5	1.5	18.0	c9	b7	c8	
724	1.5	1.5	1.5	18.0	a8	a7	a8	
725	possibly star 1.5	1.5	1.5	18.0	a8	a8	a8	
726	possibly star 1.5:	1.5	1.5	18.0	a8	b8	b8	
727	1.5	1.0	1.5	18.0	a8	b8	a8	
728	2.0	2.0	2.0	24.0	a6	b7	b7	
729	1.5	1.5	1.5	18.0	a9	a9	a9	
~~730~~	two stars ~~two stars?~~				~~b8~~	~~b8~~	~~b8~~	

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Yrs	Diameter 1	2	Mean	"	Concen. + Form 1	2	Mean	Orient.
731	1.5⁻	2.0	2.0	24.0	b10	a9	b10	
732	2.0	2.0	2.0	24.0	b9	b8	b8	
733	2.0	2.0	2.0	24.0	a8	b7	b8	
I1908	6.0⁻	6.0	6.5	78.0	sc6	psc4	psc5⁻	65°
734a	2.0	2.0	2.0	24.0	a5⁻	a5	a5	65°
735	3.0	3.0⁻	3.0	36.0	b7	c7	b7	
734b	2.0	3.0	2.0⁻	30.0	a5⁻	a5⁻	a5	0° ~~65°~~
718	1.0	1.0	1.0	12.0	a10	b9	b9	
{734c possibly two stars	2.0	3.0	2.0⁻	30.0	b8	b8	b8	
719	1.0	1.0	1.0	12.0	b7	b8	b7	
720	1.0	1.0	1.0	12.0	a8	b9	a9	
721	1.5⁻	1.5⁻	1.5	18.0	b8	b8	b8	
722	3.0	3.0⁻	3.0	36.0	c10	d10	d10	
899	1.0	1.5⁻	1.5	16.0	a10	a9	a10	
898	2.0	2.0	2.0	24.0	a9	a9	a9	
736?	2.0	1.0	1.5	18.0	a9	a10	a10	
678	1.0	1.0	1.0	12.0	b10	b10	b10	
679	1.0	1.5	1.0	12.0	b10	a9	b10	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
716	1.0	1.0	1.0	12.0	b10	b10	b10	
717	1.0	1.5	1.5	18.0	a10	a9	a9	
737	1.5	1.0	1.5	18.0	b8	b8	b8	
738	2.0	2.0	2.0	24.0	b5	b5	b5	50°
739	1.0	1.0	1.0	12.0	b9	b9	b9	
749	1.0	1.0	1.0	12.0	b10	b10	b10	
750	1.0	1.5	1.5	18.0	a10	a9	a10	
714	1.0	1.0	1.0	12.0	b9	a9	a9	
715	1.0	1.0	1.0	12.0	b9	b10	b10	
741	1.0	1.0	1.0	12.0	b9	b9	b9	
743	1.0	1.5	1.0	12.0	a10	a10	a10	
744	1.5	1.5	1.5	18.0	a9	a10	a9	
740	1.0	1.5	1.5	18.0	c9	b10	c10	
746	1.0	2.0	1.5	18.0	b10	b10	b10	
747	1.0	1.0	1.0	12.0	a10	a10	a10	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
748	1.0	1.5-	1.0	12.0	b7	b8	b 7	
751	1.0	1.5-	1.5	18.0	b9	b9	b 9	
680	1.5-	2.0	1.5	18.0	b5	b5-	b 5	95°
681	4.0	4.5-	4.5	54.0	c9	b8	b 8	
682	2.0	1.5-	2.0	24.0	c8	a8	b 8	
712	1.5-	1.5-	1.5	18.0	b10	b10	b 10	
711	2.0	2.5-	2.5	30.0	b8	b8	b 8	
710	1.5-	1.5-	1.5	18.0	a7	a6	a 7	
713	1.5-	1.0	1.5	18.0	b8	a10	b 9	
709	1.0	2.0	1.5	18.0	a9	a9	a 9	
708	1.0	1.5-	1.5	18.0	b9	a9	a 9	
707.5	1.5-	1.5-	1.5	18.0	a~~10~~ 9	a10	a 10	
696	1.5-	2.0	1.5	18.0	c8	b9	c 8	
694a	1.0	1.5-	1.5	18.0	c10	b10	b 10	
693	1.0	1.0	1.0	12.0	c10	b10	c 10	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
692	1.0	1.0	1.0	12.0	b9	b10	b10	
691	1.0	1.0	1.0	12.0	c9	b9	b9	
6P3	1.0	1.0	1.0	12.0	c10	b10	c10	
6PH	1.5	1.5	1.5	18.0	c10	b8	b9	
695	1.0	1.5	1.0	12.0	b9	b10	b9	
690	1.0	1.0	1.0	12.0	b10	a9	b9	
6P9	0.5	1.0	1.0	12.0	a9	a9	a9	
6P8	1.0	1.0	1.0	12.0	a10	a10	a10	
6P7	1.0	1.5	1.0	12.0	c7	b9	b8	
6P6	0.5	1.0	1.0	12.0	b10	b10	b10	
6P5	1.0	1.5	1.0	12.0	a9	a9	a9	
605	1.0	1.0	1.0	12.0	b9	a10	b9	
697	1.0	1.5	1.5	18.0	a10	a10	a10	
706	1.0	1.5	1.0	12.0	b9	b9	b9	
705	2.0	2.0	2.0	24.0	b6	a5	a5	70°

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient
704	1.0	1.0	1.0	12.0	a10	a10	a10	
742	1.0	1.5	1.5	18.0	b9	a9	b9	
754?	2.0	2.0	2.0	24.0	a10	a9	a10	
705	1.0	1.5	1.0	12.0	b10	a10	a10	
847	1.0	1.5	1.5	18.0	b9	b9	b9	
846	2.0	3.0	2.5	30.0	a8	a7	a7	
845	1.0	1.0	1.0	12.0	b10	b10	b10	
844	1.0	1.5	1.0	12.0	b10	b10	b10	
758a	2.5	3.0	3.0	36.0	b5	a5	b5	15°
757	2.0	2.0	2.0	24.0	~~b8~~ ε	ε5	ε5	50°
756	1.5	1.5	1.5	18.0	c10	b9	b10	
758d	1.0	1.5	1.0	12.0	a10	a10	a10	
758c	1.5	1.5	1.5	18.0	c10	c10	c10	
702	1.5	1.0	1.0	12.0	b9	a9	b9	
703	1.0	1.0	1.0	12.0	a9	a9	a9	
P61	1.0	1.5	1.0	12.0	b9	b9	b9	

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Neb.	Diameter 1	Diameter 2	Diameter Mean	"	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient
852	1.0	1.0	1.0	12.0	a9	b10	b 10	
853	1.5	1.5	1.5	18.0	b10	a8	b 9	
850	2.0	2.0	2.0	24.0	b5	a6	a 5	70°
849	1.0	1.0	1.0	12.0	a8	a8	a 8	
848	1.0	1.0	1.0	12.0	b10	b10	b 10	
604	1.0	1.5	1.5	18.0	b10	b10	b 10	
603	1.0	2.0	1.5	18.0	a9	a8	a 8	
602	1.0	1.5	1.0	12.0	a9	a9	a 9	
601	1.0	1.5	1.5	18.0	a9	b10	a 9	
698	3.0	2.0	2.5	30.0	c10	b10	b 10	
701	1.0	1.5	1.0	12.0	b10	b9	b 9	
700	2.0	2.0	2.0	24.0	a8	a8	a 8	
600	1.0	1.0	1.0	12.0	b10	b9	b 10	
599	3.0	3.0	3.0	36.0	b4	a3	b 3	60°
699	1.0	1.0	1.0	12.0	b9	b9	b 9	

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Nb.	Diameter 1	2	Mean "		Concen. & Conn 1	2	Mean	Orient.
(237)9	4.0	3.5	3.5	42.0	b4	b4	b4	120°
~~520~~								
520	2.0	2.0	2.0	24.0	b5	b5	b5	70°
521	1.5	1.5	1.5	18.0	a8	a8	a8	
522	1.0	1.5	1.0	12.0	a9	a8	a9	
497	1.5	1.5	1.5	18.0	b8	b8	b8	
519	1.5	1.5	1.5	18.0	c8	b9	b9	
518	1.0	1.5	1.5	18.0	b9	b10	b9	
517	1.0	1.5	1.0	12.0	b10	b10	b10	
516a	1.5	1.5	1.5	18.0	a8	b8	a8	
516b	1.0	1.0	1.0	12.0	a9	b10	b10	
515	1.0	1.0	1.0	12.0	b10	b10	b10	
514	1.5	2.0	2.0	24.0	a9	a9	a9	
513	1.5	2.0	1.5	18.0	b9	b8	b9	
498	1.5	1.5	1.5	18.0	a10	b9	a9	
523	1.5	2.0	2.0	24.0	a10	b10	b10	

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Yrb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.	
556	1.0	1.5	1.0	12.0	a8	a9	a8		
557	1.5	2.0	2.0	24.0	a5	b6	a6		(2
558	1.5	2.0	1.5	18.0	b6	b6	b6		
562	1.0	1.5	1.5	18.0	a6	a6	a6		
561	2.0	2.5	2.0	24.0	b5	c6	c5	115°	
560	1.0	1.0	1.0	12.0	a10	a10	a10		(191
559	1.0	1.5	1.5	18.0	a9	b9	a9		(191
512	3.0	4.0	3.5	42.0	e5	d5	d5	140°	
563	1.0	1.5	1.0	12.0	b10	a9	b9		
555	2.0	2.0	2.0	24.0	b8	b8	b8		(25
554	1.0	1.5	1.5	18.0	b9	b10	b9		
549	1.0	1.5	1.0	12.0	a9	b10	b10		
548	1.0	1.5	1.5	18.0	b10	b10	b10		(135
547	1.5	1.5	1.5	18.0	b7	b8	b7		(177
524	1.5	1.5	1.5	18.0	a8	b7	a7		(130

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1930phae.proj.2342N

H 14272 — Diameter — Concen. & Form —

Neb.	1	2	Mean	"	1	2	Mean	Orient.
525	1.0	1.0	1.0	12.0	a10	b10	b10	
(235) 8	1.5	1.5	1.5	18.0	b10	c10	b10	
564	2.0	1.0	1.5	18.0	c3	a5	b4	40°
565	1.0	1.0	1.5	18.0	b10	b9	b10	
593	1.0	2.0	1.5	18.0	b10	b10	b10	
(191a) 51	1.0	1.0	1.5	18.0	c9	c9	c9	
(191b) 52	1.0	2.0	2.0	24.0	c9	c10	c10	
596	1.0	1.0	1.0	12.0	b9	b9	b9	
597	1.0	1.0	1.0	12.0	a8	a9	a8	
(253) 7b	1.0	1.0	1.0	12.0	b10	a9	a9	
film defective slightly on edge of nebula								
595	1.0	1.0	1.5	18.0	b10	c10	b10	
594	1.0	1.0	1.0	12.0	a9	b10	b9	
(135) 6b	2.0	2.0	2.0	24.0	c8	c9	c9	
(177) 10	1.0	1.0	1.5	18.0	b8	b9	b8	
(130) 11	2.0	2.0	2.0	24.0	a10	b10	a10	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
(131) 12	5.0	5.0	5.0	60.0	f4	d5	e5	125°
5-3	2.0	2.0	2.0	24.0	a9	a8	a9	
5-2	1.0	1.5	1.5	18.0	b10	a10	a10	
5-0	1.5	1.5	1.5	18.0	b10	c10	b10	
4-0	1.0	1.0	1.0	12.0	b8	b9	b9	
4-3	1.0	1.0	1.0	12.0	a9	a9	a9	
4-4	1.0	1.5	1.0	12.0	a9	b9	b9	
4-5	1.5	1.5	1.5	18.0	b9	c9	b9	
4-6	1.0	1.0	1.0	12.0	a9	c10	b9	
4-1	1.5	2.0	2.0	24.0	b7	c8	c8	
4-2	1.0	1.5	1.0	12.0	b10	b10	b10	
2-6	1.0	1.5	1.5	18.0	b10	b10	b10	
2-7	1.5	2.0	1.5	18.0	a10	b10	a10	
28a	1.0	1.5	1.5	18.0	b9	b9	b9	
28b	1.0	1.0	1.0	12.0	a9	a10	a9	

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H14272 Diameter Concen. & Form

Nab.	1	2	Mean	"	1	2	Mean	Orient.
529	1.0	1.0	1.0	12.0	b10	a10	ă10	
530	1.0	1.0	1.0	18.0	a9	b7	ă8	
538	1.0	1.0	1.0	12.0	a9	b8	b̆8	
539	1.0	1.0	1.0	18.0	a8	a7	ă8	
531	1.0	1.0	1.0	18.0	a10	a10	ă10	
532	1.0	1.0	1.0	18.0	b6	b7	b̆7	
533	1.0	1.0	1.0	18.0	a9	b9	ă9	
537	3.0	3.0	3.0	36.0	b9	b8	b̆9	
536	1.0	1.0	1.0	12.0	a9	a10	ă10	
535	1.0	1.0	1.0	12.0	a10	a10	ă10	
534	1.0	1.0	1.0	18.0	b9	b9	b̆9	
551	1.0	1.0	1.0	12.0	a9	a10	ă9	
566	1.0	1.0	1.0	12.0	b10	b10	b̆10	
567	1.0	2.0	2.0	24.0	a8	a8	ă8	
460	1.0	1.0	1.0	12.0	b9	b10	b̆10	

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Neb.	Diameter 1	Diameter 2	Diameter Mean	"	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient.
405	1.0	1.0	1.0	12.0	b10	c10	c 10	
592	1.0	1.5	1.0	12.0	c9	c10	c 9	
705	1.0	1.5	1.5	18.0	a9	b10	a 10	
704	1.5	2.0	1.5	18.0	b7	b8	b 7	
(231) 47	1.5	1.5	1.5	18.0	c10	b9	b 9	
(179) 48	3.0	3.5	3.5	42.0	c10	b9	c 10	
(193) 49	1.0	1.5	1.0	12.0	b9	b9	b 9	
(192) 50	1.0	1.5	1.5	18.0	b10	b10	b 10	
	nebula very irregular and wispy. concentration all in one end							
461?	1.0	1.5	1.0	12.0	b8	a8	a 8	
569	2.0	2.0	2.0	24.0	a9	a9	a 9	
591	1.5	1.5	1.5	18.0	a10	a10	a 10	
590	1.0	1.0	1.0	12.0	b10	b10	b 10	
572	2.0	1.5	1.5	18.0	b7	b7	b 7	
571	1.5	1.5	1.5	18.0	c10	b10	c 10	
570	1.5	1.5	1.5	18.0	b7	b8	b 8	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
589	1.0⁻	2.0	1.5	18.0	a8	a8	a8	
(163) 67	1.0⁻	1.0⁻	1.0	18.0	c10	c10	c10	
(200) 66	1.0	1.0⁻	1.0	18.0	b10	a10	a10	
(141) 33	1.0	1.0⁻	1.0	12.0	b10	b9	b10	
(190) 34	1.0⁻	2.0	2.0	24.0	b10	c10	b10	
(229) 35	1.0⁻	1.0⁻	1.0	18.0	c10	c10	c10	
(162) 36	3.0	3.0	3.0	36.0	b10	b10	b10	
(228) 45⁻	2.0⁻	1.0⁻	2.0	24.0	c9	d9	d9	
448	1.0	1.0	1.0	12.0	b10	b10	b10	
447	1.0	1.0	1.0	12.0	a9	a8	a8	
446	1.0⁻	2.0	1.0	18.0	a9	a8	a9	
445⁻	5.0⁻	5.0	5.0	60.0	c3	b5	c4	
449	2.0	2.0	2.0	24.0	a9	a10	a10	
450	1.0⁻	1.0⁻	1.0	12.0	b9	b9	b9	
299	2.0	2.0	2.0	24.0	a9	a8	a9	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
~~H6~~	Duplicate				~~a9~~		
HH4	1.5"	2.0	1.5	18.0	a8	b9	b 9
HH3	2.0	2.5"	2.5	30.0	a8	a8	a 8
HH2	2.0	2.5"	2.0	24.0	c8	b9	c 9
HH1	2.0	2.0	2.0	24.0	b9	b9	b 9
HH0	2.0	2.0	2.0	24.0	a9	a9	a 9
H38	1.5"	2.0	2.0	24.0	a9	a10	a 9
288	2.0	2.5"	2.0	24.0	a9	b9	b 9
289	2.0	2.0	2.0	24.0	a8	b7	a 7
284	2.5"	2.5"	2.5	30.0	b7:	b6:	b 7:
	near edge						
285"	2.0	2.5"	2.5"	30.0	b9:	c9:	c 9:
	near edge						
286	2.0	2.5"	2.0	24.0	a7:	b7:	a 7:
	near edge						
287	3.0	3.5"	3.5	42.0	b6:	b7:	b 7:
	near edge						
803?	2.0	2.0	2.0	24.0	a10	a10	a 10
1006?	1.0	1.5"	1.0	12.0	b10	b10	b 10

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1930phae.proj.23422

A14272

Yrb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
804	1.0	1.0	1.0	12.0	b9	a9	a b	
805	1.0	1.5	1.5	18.0	b10	b10	b b	
806	1.0	1.5	1.0	12.0	b10	b9	b b	
807?	1.0	1.0	1.0	12.0	b10	b10	b b	
796	1.0	1.0	1.0	12.0	a9	b10	a b	
795	1.0	1.0	1.0	12.0	b9	a9	a b	
794	1.0	1.5	1.5	18.0	b10	c10	b b	
793	1.0	1.0	1.0	12.0	a9	a10	a b	
792	1.0	1.5	1.0	12.0	b10	b9	b b	
791	2.0	2.5	2.5	30.0	c9	b10	b b	
787	1.0	1.5	1.0	12.0	af	a9	a b	
788	2.0	2.0	2.0	24.0	c9	c10	c b	
789	1.0	1.0	1.0	12.0	b10	b10	b b	
790	1.0	1.0	1.0	12.0	a10	a9	a b	
784a	2.0	2.0	2.0	24.0	bf	bf	b b	
786	1.5	1.5	1.5	18.0	a10	a10	a b	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
809	1.0	1.0	1.0	12.0	b10	b10	b10	
808	0.5	0.5	0.5	6.0	a8	a9	a8	
810	1.5	2.0	2.0	24.0	b8	b9	b9	
811 = 784a	~~1.5~~	~~1.5~~	~~1.5~~	~~18.0~~	~~b9~~	~~b9~~	~~b9~~	
double 812	1.5	1.5	1.5	18.0	b10	c10	b10	
812a	1.0	1.0	1.0	12.0	b10	b9	b10	
813	1.0	1.5	1.0	12.0	a9	a9	a9	
815	1.5	1.5	1.5	18.0	b9	b9	b9	
(136) 32	1.5	1.5	1.5	18.0	b9	b9	b9	
(140) 77	1.0	1.5	1.5	18.0	a9	b10	b10	
(261) 76	1.0	1.5	1.0	12.0	c9	c10	c9	
(164) 75	1.0	1.0	1.0	12.0	c10	b10	c10	
822	1.5	1.5	1.5	18.0	b9	b9	b9	
821	3.0	3.0	3.0	36.0	d6	d7	d7	
820	2.5	3.0	3.0	36.0	a8	a8	a8	
819	1.5	1.0	1.5	18.0	a9	a9	a9	

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A14272

Diameter

concen. + form

Neb.	1	2	Mean	"	1	2	Mean	Orient
#18	1.0-	1.0-	1.0	18.0	a9	a9	a9	
#17	2.0	2.0	2.0	24.0	b6	b7	b6	
#16	2.0-	3.0	3.0	36.0	a8	a9	a9	
#14	1.0-	1.0	1.0	18.0	b10	a10	a10	
#23	1.0-	1.0-	1.0	18.0	b8	b9	b8	
#24	1.0	1.0	1.0	12.0	b9	a9	b9	
#25	1.0-	1.0	1.0	12.0	b9	a9	a9	
#26	1.0	1.0	1.0	12.0	b10	a9	b9	
#27	1.0-	1.0-	1.0	18.0	b9	b9	b9	
#28	1.0	1.0	1.0	12.0	a10	a10	a10	
#29	0.0-	1.0	0.0	6.0	a10	a10	a10	
759?	0.0-	1.0	1.0	12.0	b10	b10	b10	
760?	1.0	1.0	1.0	12.0	a10	a9	a10	
#31	2.0	1.0-	2.0	24.0	a7	a8	a8	
#30	2.0	2.0	2.0	24.0	a8	a9	a8	

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Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
598	1.0	1.0	1.0	12.0	b10	b10	b10
781	1.0	1.5	1.5	18.0	a7	a8	a8
782	1.0	1.5	1.5	18.0	b8	b9	b8
783a	1.0	1.0	1.0	12.0	c10	c10	c10
783b	1.0	1.0	1.0	12.0	c10	b10	b10
(202) 72	2.0	2.0	2.0	24.0	b8	b9	b9
1005	1.5	1.5	1.5	18.0	a10	a10	a10
1004	1.0	1.0	1.0	12.0	c9	b9	c9
1003	1.5	1.0	1.0	12.0	c9	c9	c9
1002	1.0	1.0	1.0	12.0	b10	b10	b10
1001	1.0	1.5	1.0	12.0	a9	a10	a9
1000	2.0	2.0	2.0	24.0	a8	a9	a9
834	1.5	1.5	1.5	18.0	b9	b10	b9
833	1.5	2.0	2.0	24.0	b9	a10	a10
(133) 18	1.5	1.5	1.5	18.0	b10	b10	b10

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1930phae.proj.2342N

A 14272

Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
(132) 19	1.0	1.0	1.0	12.0	c10	b10	c10	
N1311	Classified Book B, p. 61							
832	1.5	1.0	1.5	18.0	a8	a8	a8	
835	1.0	1.0	1.0	12.0	b10	b10	b10	
836	1.5	1.0	1.5	18.0	a5	a7	a6	
837?	1.0	1.0	1.0	12.0	b9	b9	b9	
842	2.0	2.0	2.0	24.0	a9	a10	a9	
838	1.0	1.5	1.0	12.0	a8	a9	a9	
841	1.0	1.0	1.0	12.0	a9	a9	a9	
840	1.5	1.5	1.5	18.0	a10	b9	b10	
843	1.5	1.5	1.5	18.0	a10	a10	a10	
999	1.0	1.5	1.0	18.0	a9	a9	a9	
17 (170)	1.0	1.0	1.0	12.0	b10	b10	b10	
16 (242)	1.5	1.5	1.5	18.0	a9	a10	a10	
15 (171)	2.0	2.0	2.0	24.0	c10	c10	c10	

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1930phae.proj.2342m

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Hab.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.

skipped by mistake

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1930phae.proj.2342w

H 4272

Neb.	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.

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1930phae.proj.2342m

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Neb.	Diameter 1	2	Mean	"	Concen. + Form 1	2	Mean	Orient.
(176a) 4	2.0	2.0	2.0	24.0	c6	b7	c6	
1°								
(128) 13	1.5	1.5	1.5	18.0	e10	c10	d10	
(241) 71	1.5	1.5	1.5	18.0	a7	a9	a8	
(176b) 74	1.0	1.0	1.0	12.0	b9	a9	a9	
(342) 8	2.0	2.0	2.0	24.0	b10	b10	b10	
(326) 6	1.5	1.0	1.5	18.0	b10	b10	b10	
very hard, bright								
(327) 1	2.5	2.5	2.5	30.0	d6	c7	d7	
(C) 2	1.0	1.5	1.5	18.0	b8	b9	b8	
(B) 3	1.0	1.0	1.0	12.0	b9	b9	b9	
(A) 4	2.5	3.0	2.5	30.0	d7	c7	c7	
998	3.0	3.0	3.0	36.0	a6	a6	a6	
997	1.5	2.0	2.0	24.0	a5	a6	a6	
(322) 31	2.0	2.0	2.0	24.0	c9	c9	c9	
996	1.5	1.5	1.5	18.0	b10	a10	b10	
994?	2.0	2.0	2.0	24.0	a8	a7	a8	

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1930phae.proj..2342N

A14272 Diameter Concen. & Form

Neb.	1	2	Mean	"	1	2	Mean	Orient
995	2.0	1.5-	2.0	24.0	a7	b8	b8	
993	2.0	1.5-	1.5	18.0	b8	b8	b8	
(341) 25	1.5-	1.5-	1.5	18.0	c9	c10	c9	
992	2.0	2.0	2.0	24.0	a9	a8	a8	
991	1.5-	1.5-	1.5	18.0	b7	b6	b7	
990	2.0	2.0	2.0	24.0	a7	a5	a6	
(31F) 30	1.5-	1.5-	1.5	18.0	c10	b9	c9	
989	1.5-	1.5-	1.5	18.0	a9	a9	a9	
988	1.5-	1.5-	1.5	18.0	c9	c9	c9	
987?	1.5-	1.0	1.5	18.0	a10	a10	a10	
986	1.0	1.0	1.0	12.0	b10	b10	b10	
(34Ha) 24	1.5-	1.5-	1.5	18.0	c9	c9	c9	
857	1.0	1.0	1.0	12.0	a10	b10	b10	
856	1.5-	2.0	2.0	24.0	b9	b8	b9	
855	1.5	1.0	1.5	18.0	b8	b8	b8	

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1930phae.proj.2342m

 A 14272

Nb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
854	1.5	1.0	1.0	12.0	b8	a9	b9	
858	3.5	3.5	3.5	42.0	a4	a5	a4	140°
(825) 9	2.5	2.5	2.5	30.0	c9	c10	c10	
863	1.5	1.5	1.5	18.0	a7	a8	a7	
862	1.5	1.5	1.5	180	b9	b9	b9	
885?	1.0	1.5	1.0	12.0	a9	a8	a8	
884?	2.0	1.5	1.5	18.0	a8	a8	a8	
900	1.5	1.5	1.5	18	a8	a7	a8	
901	3.0	3.5	3.0	36.0	a5	a4	a4	60°
902	1.0	2.0	1.5	18.0	a7	a8	a7	
903??	1.5	1.5	1.5	18.0	a9	a8	a8	
904	2.0	2.0	2.0	24.0	a9	a9	a9	
905	1.5	2.0	2.0	24.0	a6	b7	b6	
906?	2.0	2.0	2.0	24.0	a7	a7	a7	
908	2.0	2.0	2.0	24.0	b7	b7	b7	

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1930phae.proj.23422

H 1427 2 Diameter Concen. + Form

Neb.	1	2	Mean	"	1	2	Mean	Orient.
909	2.5-	2.5-	2.5	30.0	c10	c9	c9	
910	1.5-	1.5-	1.5	18.0	a8	b8	a8	
911	2.0	2.0	2.0	24.0	a7	a8	a7	
912	1.5-	2.0	1.5	18.0	a10	a10	a10	
~~913~~	two stars							
914	2.0	2.0	2.0	24.0	a9	a9	a9	
(32F) 13	4.0	4.0	4.0	48.0	f10	e10	f10	

~~appears to be fairly~~ bright star in very center of nebulosity. ~~very~~ thin edge.

942?	2.0	2.0	2.0	24.0	b5:	b6:	b6:	

narrow edge; touches 31

(262) 31	2.0	2.0	2.0	24.0	b5:	b6:	b5:	55°

narrow edge; touches 942

938	1.5-	2.0	2.0	24.0	b9:	b9:	b9:	
937	3.0	3.0-	3.0	36.0	a9:	b10:	b10:	
939	2.0	2.0	2.0	24.0	b9:	b9:	b9:	
941	2.5-	3.5*	3.0	36.0	a5:	b7;	a6:	
940?	2.0	2.0	2.0	24.0	a5:	b*7;	b6:	
936?	2.0	2.0	2.0	24.0	a5:	b*5;	a5:	45°

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1930phae.proj.2342N

 71427.2

Neb.	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.
935	2.5	2.0	2.0	24.0	a5:	a7:	a6:	
930	2.0	2.0	2.0	24.0	b8:	b7:	b8:	
931	3.0	2.5	3.0	36.0	b8:	c8:	c8:	
928	2.0	2.0	2.0	24.0	b5:	a5:	b5:	55°
929	2.0	2.0	2.0	24.0	a8:	b6:	b7:	
927	3.0	2.0	2.5	30.0	a7:	b6:	a6:	
(265) a 26	3.0	3.0	3.0	36.0	f10:	e10:	e10:	
932	2.5	2.0	2.0	24.0	a5:	b5:	a5:	45°
926	2.0	2.0	~~2.0~~	24.0	a5:	a6:	a5:	35°
933	2.0	2.0	2.0	24.0	a5:	b6:	b6:	
934	2.0	2.0	2.0	24.0	b6:	b6:	b6:	
915	2.0	2.0	2.0	24.0	a5:	b6:	a5:	70°
916	2.5	2.0	2.5	30.0	b6:	c7:	b7:	
917	2.5	2.0	2.0	24.0	a7:	b7:	b7:	
918	2.0	2.0	2.0	24.0	a7:	b7:	a7:	

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1930phae.proj.2342M

A14272

Nebula	Diameter 1	Diameter 2	Diameter Mean	Diameter "	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient.
919	2.0	2.0	2.0	24.0	a7:	b7:	b̆ 7:̆	
920	2.0	2.0	2.0	24.0	a9:	a10:	ă 9:̆	
921	2.0	2.0	2.0	24.0	a8:	b9	ă 9:̆	
922	2.0	2.0-	2.0-	30.0	b8:	c7	c̆ 8:̆	
923	2.0	2.0	2.0	24.0	a6	b7	ă 7̆	
924	2.0	2.0	2.0	24.0	a8	b8	b̆ 8̆	
925	2.0	2.0	2.0	24.0	b6	c7	b̆ c̆	

Clusters:

859	1.0-	2.0	1.0-	18.0	a9	a9	ă 9̆	
860	1.0-	2.0	2.0	24.0	a9	a9	ă 9̆	
861	1.0-	1.0-	1.0-	18.0	a9	a8	ă 8̆	
862	0.0-	1.0	0.0-	6.0	b8	b8	b̆ 8̆	
863	1.0	1.0	1.0	12.0	b10	b9	b̆ 10̆	
864	1.0	1.0-	1.0-	18.0	a8	a9	ă 9̆	
865	1.0-	1.0-	1.0-	18.0	a8	a10	ă 9̆	

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1930phae.proj.2342N

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Neb.	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.
866	1.0	1.0	1.0	12.0	a9	a9	a9	
867	1.0	1.5	1.0	12.0	c9	c9	c9	
868	1.5	2.0	2.0	24.0	a5	b5	b5	50°
869	1.5	2.0	1.5	18.0	a9	a9	a9	
870	1.0	1.0	1.0	12.0	a7	a9	a8	
871	1.5	1.5	1.5	18.0	a7	a9	a8	
872	1.0	1.5	1.5	18.0	b9	b9	b9	
873	1.5	2.0	1.5	18.0	a7	a8	a7	
874	1.0	1.0	1.0	12.0	a8	b8	a8	
875	2.0	2.0	2.0	24.0	a7	a8	a8	
876	1.5	1.5	1.5	18.0	a8	a9	a8	
877	1.0	1.0	1.0	12.0	a8	a8	a8	
878	1.5	1.5	1.5	18.0	b8	b8	b8	
879	1.0	1.0	1.0	12.0	a8	a8	a8	
880	1.0	1.0	1.0	12.0	a8	a9	a9	

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1930phec.proj..23429N

H 4272 — Diameter — Concen. & Form

Neb.	1	2	Mean	"	1	2	Mean	Orient
881	1.0	1.0	1.0	12.0	a10	b9	b	10
882	2.0	1.0	1.5	18.0	a9	a8	a	8
883	1.0-	1.0-	1.0-	18.0	b10	b10	b	10
884	1.0-	1.0-	1.0-	18.0	b9	a8	b	9
885	1.0-	1.0-	1.0-	18.0	a10	b10	b	10
886	2.0	1.0-	1.0-	18.0	a10	a10	a	10
887	1.0-	1.0-	1.0-	18.0	a10	a9	a	9
888	1.0-	1.0	1.0-	18.0	b9	b8	b	9
889	2.0-	1.0-	2.0	24.0	~~b6~~ b8	a6	b	6
890	1.0-	1.0	1.0	12.0	b ~~8~~ 8	b8	b	8
891	2.0	1.0-	2.0	24.0	a9	b9	b	9
892	1.0-	1.0	1.0	12.0	b9	b8	b	8
893	1.0	1.0	1.0	12.0	a7	a8	a	7
	possibly star							
894	1.0-	1.0-	1.0-	18.0	b6	a7	b	7
895	2.0	1.5	2.0	24.0	b7	b7	b	7

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Yab.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Remnt.
896	1.5	2.0	2.0	24.0	~~b8~~	b10	b9	
	possibly double							
897	1.0	1.5	1.0	12.0	b9	a10	a9	
943	1.5	2.0	2.0	24.0	a8	a8	a8	
944	1.5	1.5	1.5	18.0	b9	b10	b10	
945	1.5	1.5	1.5	18.0	a9	a10	a9	
946	1.5	1.5	1.5	18.0	a9	a8	a8	
947	two stars	—	—	—	~~a9~~	—	—	—
948	2.0	2.0	2.0	24.0	a6	b6	a6	
949	2.5	2.0	2.5	30.0	b5	a7	a6	
950	1.5	2.0	2.0	24.0	a10	a10	a10	
951	~~1.5~~ 1.0	1.5	1.5	18.0	a9	a9	a9	
952	~~2.0~~ 1.0	2.0	2.0	24.0	c9	c9	c9	
953	~~2.5~~ 1.5	2.0	2.5	30.0	c7	b8	c7	
	appears to be fairly bright nebulous star							
954	~~2.0~~ 1.5	2.0	2.0	24.0	a8	a8	a8	
955	~~1.5~~ 1.0	1.5	1.5	18.0	b9	b8	b8	

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Nph.	1	2	Mean	"	1	2	Mean	Orient.
956	2.0 ~~1.0~~	2.0	2.0 ✓	24.0 ✓	a6	a6	a6 ✓ ✓	
957	3.0 ~~1.0~~ nebulosity attached to star	2.0	2.5 ✓	30.0 ✓	b9	a8	a9 ✓ ✓	
957a	1.0 ~~1.0~~	1.0	1.0 ✓	12.0 ✓	a9	a9	a9 ✓ ✓	
958	1.0 ~~1.0~~	1.0	1.0 ✓	12.0 ✓	b9	b10	b10 ✓ ✓	
959	1.0 ~~1.0~~	1.0	1.0 ✓	12.0 ✓	b8	a8	b8 ✓ ✓	
960	1.0 ~~1.0~~	1.0	1.0 ✓	18.0 ✓	b7	b7	b7 ✓ ✓	
961	2.0 ~~1.0~~	2.0	2.0 ✓	24.0 ✓	b7	b7	b7 ✓ ✓	
962	1.0 ~~1.0~~	1.0	1.0 ✓	18.0 ✓	a9	a10	a9 ✓ ✓	
963	2.0 ~~1.0~~	2.0	2.0 ✓	24.0 ✓	a6	a8	a7 ✓ ✓	
964	1.0 ~~1.0~~	1.0	1.5 ✓	18.0 ✓	a10	a8	a9 ✓ ✓	
965	1.0 ~~1.0~~	1.0	1.5 ✓	18.0 ✓	b9	b8	b8 ✓ ✓	
966	1.0 ~~1.0~~	1.0	1.0 ✓	12.0 ✓	a8	a9	a8 ✓ ✓	
967	1.0 ~~1.0~~	1.0	1.5 ✓	18.0 ✓	b8	b8	b8 ✓ ✓	
968	2.0 ~~1.0~~	1.0	1.5 ✓	18.0 ✓	b7	b6	b6 ✓ ✓	
969	2.0 ~~1.5~~	2.0	2.0 ✓	24.0 ✓	b9	a8	a9 ✓ ✓	

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1930phae.proj.2342N

140 19h27m2

Yrb.	Diameter 1	2	Mean	"	Convex. & Form 1	2	Mean Print.
970	2.0 ~~1.0~~	1.5	2.0	24.0	b9	b9	b9
971	2.0 ~~1.0~~	1.5	1.5	18.0	b10	a9	b9
972	2.0 ~~1.5~~	2.0	2.0	24.0	a8	b8	b8
973	2.0 ~~1.5~~	2.0	2.0	24.0	b5	a7	b6
974	1.5 ~~1.0~~	1.0	1.5	18.0	b9	b10	b9
975	2.0 ~~1.0~~	1.5	1.5	18.0	a10	a8	a ~~10~~ 9
976	2.0 ~~1.0~~	1.5	2.0	24.0	a8	a7	a7
977	2.0 ~~1.0~~	1.5	1.5	18.0	a6	a7	a6
978	1.5 ~~1.0~~	1.0	1.5	18.0	b10	a8	a9
979	1.0	1.0	1.0	12.0	a10	a9	a9
980	1.5 ~~1.0~~	1.5	1.5	18.0	b10	a10	b10
981	1.5 ~~2.0~~	1.0	1.0	12.0	b7	b8	b7
982	1.5 ~~2.0~~	1.0	1.5	18.0	a9	a9	a9
983	3.0	2.5	2.5	30.0	b5	b6	b6
~~Ycl~~							

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1930phae.proj..2342N

A1H272 Diameter Concen. & Form

Neb. No. or H3339	1	2	Mean	"	1	2	Mean	Orient.
339a = 10	2.0	1.5	2.0	24.0	b9	b10	b9	
339b = 11	2.0	2.0	2.0	24.0	c9	c10	c10	
336 = 12	2.0	1.5	1.5	18.0	c10	c10	c10	
271 = 14	2.0	2.0	2.0	24.0	a10	a10	a10	
270 = 15	4.0	3.0	3.5	42.0	c10	c10	c10	
276 = 16	2.0	1.5	2.0	24.0	b7	b8	b7	
269 = 17	—	—	—	—	f4	—	—	—

~~Possibly~~ two stars ?

335 = 18	2.0	2.0	2.0	24.0	b6	c8	c7	

nebulous star ?

334 = 19	1.5	1.5	1.5	18.0	b9	b10	b10	
333 = 20	1.5	1.5	1.5	18.0	b9	b10	b9	
332 = 21	1.5	1.5	1.5	18.0	b8	b9	b9	
331 = 22	2.0	1.5	1.5	18.0	b8	c9	b8	
330 = 23	4.0	3.0	3.5	42.0	c5	c5	c5	35°
267 = 27	2.0	2.0	2.0	24.0	c8	c8	c8	
266 = 28	8.0	7.0	7.5	90.0	d7	d6	d6	

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1930phae.proj.2342N

 A 14272

Neb.	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
269 = 29	2.0	1.5	2.0 ✓	24.0 ✓	b6	b8	b̌7̌ ✓	
3 37	1.0	1.0	1.0 ✓	18.0 ✓	b7	b8	b̌7̌ ✓	
No. on A 4179 172 = 75	2.0	3.0	3.0 ✓	36.0 ✓	a5	a6	ǎ6̌ ✓	
171 = 76	2.0	2.0	2.0 ✓	24.0 ✓	c8	c10	č9̌ ✓	
196 = 77	2.0	1.5	2.0 ✓	24.0 ✓	b8	a8	ǎ8̌ ✓	
194 = 91	2.0	1.5	1.5 ✓	18.0 ✓	b6	b7	b̌6̌ ✓	

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1930phae.proj.23429

A14280 3 32 -47.5

Nos. in green ( ) corresponding nos. on q3346

	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.	
6	6.0:	5.0:	5.5:	66.0:	a6:	a6:	a6:	0	0
35	3:0:	3.0:	3.0:	36.0:	af:	af:	af:	0	0
34	3.5:	4.0:	3.5:	42.0:	af:	af:	af:	0	0
33	3.0:	3.0:	3.0:	36.0:	bg:	bf:	bg:	0	+1
32	4.5:	4.5:	4.5:	54.0:	b10:	ag:	bg:	+1	+1
5	3.5:	3.5:	3.5:	42.0:	ag:	bg:	bg:	-1	0
60	3.0	3.0	3.0	36.0	bg	bg	bg	0	0
61	1.5	1.5	1.5	18.0	a10	b10	a10	-1	0
62	1.5	1.5	1.5	18.0	ag	ag	ag	0	0
63	2.0	2.0	2.0	24.0	ag	af	ag	0	+1
64	2.5 ~~2~~	2.0	2.0	24.0	bf	bf	bf	0	0
65	2.5	2.0	2.5	30.0	ef	ef	ef	0	0
66	2.0	2.0	2.0	24.0	bf	af	af	+1	0
67	1.5	1.5	1.5	18.0	b10	b10	b10	0	0
136	1.0	1.5	1.5	18.0	af	ag	af	0	0
37	2.0	2.0	2.0	24.0	b6	b7	b7	0	-1

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1930phae.proj.2342N

	Diameter				Concen. + Form					
	1	2	Mean	"	1	2	Mean	Chromb		
38	3.0	2.0	2.5 ✓	30.0 ✓	b8	b9	b✓8✓		0	-1
39	2.0	2.0	2.0 ✓	24.0 ✓	a9	a9	a✓9✓		0	0
58	1.5	2.0	1.5 ✓	18.0 ✓	b10	a10	b✓10✓		+1	0
59	1.5	1.5	1.5 ✓	18.0 ✓	b10	a9	a✓9✓		+1	+1
68	1.5	1.5	1.5 ✓	18.0 ✓	b10	b10	b✓10✓		0	0
69	2.0	1.5	1.5 ✓	18.0 ✓	b9	b8	b✓9✓		0	+1
70	2.5	2.5	2.5 ✓	30.0 ✓	b6	b6	b✓6✓		0	0
71	2.0	2.0	2.0 ✓	24.0 ✓	c6	b6	c✓6✓		+1	0
72	2.0	2.0	2.0 ✓	24.0 ✓	b8	a9	a✓9✓		+1	-1
(269) ✓1	~~2.0~~ 3.0:	2.0	2.0 ✓	24.0 ✓	b8	a8	b✓8✓		+1	0
(268) ✓2	~~2.0~~ 2.5:	2.5	2.0:	24.0 ✓	b8	a9	a✓8✓		+1	-1
(270) ✓3	~~2.0~~ 4.0:	2.0	2.0 ✓	24.0 ✓	a8	a8	a✓8✓		0	0
(147) ✓4	~~2.0~~ 4.0:	2.0	2.0 ✓	24.0 ✓	c7	b7	c✓7✓		+1	0
(348) ✓5	4.5	~~4.0~~ 5.0	4.0 ✓	48.0 ✓	2f4	2f5	2f✓5✓	40° ~~50°~~ ~~60°~~	0	-1
(272) ✓6	2.0	1.5	2.0 ✓	24.0 ✓	b9	b9	b✓9✓		0	0
									+9 -1	+5 -5

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1930phae.proj..2342w

A14240 Diameter Concen. & Form

	1	2	Mean	"	1	2	Mean	Orient.	
~~60~~	~~2.5~~	~~2.0~~	~~2.0~~	~~24.0~~	~~a10~~	~~a9~~	~~a10~~	duplicated p. 143	
(2-3) 153	2.0	1.5	2.0	24.0	b7	b8	b8	0	-1
154	2.5	2.0	2.0	24.0	a7	a9	a8	0	-2
155	2.0	2.0	2.0	24.0	b10	a9	a10	-1	+1
156	1.5	2.0	1.5	18.0	a8	a8	a8	0	0
I 1937	Classified Bk. B p. 74								
~~a~~	rejected								
N.S.1	2.0	1.0	1.5	18.0	a10	a10	a10	0	0
170a	2.0	3.0	2.5	30.0	b5	a6	b6	0	-1
171	1.5	1.5	1.5	18.0	a10	a10	a10	0	0
172?	1.0	1.0	1.0	12.0	a9	a10	a9	0	-1
170b	1.0	1.5	1.5	18.0	a10	a9	a9	0	+1
169	1.0	1.0	1.0	12.0	b10	a10	a10	+1	0
121	1.0	1.0	1.0	12.0	b10	b10	b10	0	0
123	2.0	3.0	2.5	30.0	b7	a9	b8	+1	-2

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1930phae.proj.2342m

146 1914280

	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Quint.	
124	1.0	1.0	1.0	12.0	a9	a10	a9	0	-1
125	1.0	1.0	1.0	12.0	a10	a9	a9	0	+1
126	1.5	1.5	1.5	18.0	a9	a10	a9	0	-1
127	1.0	1.0	1.0	12.0	a10	b9	b9	-1	+1
128	1.0	2.0	1.5	18.0	a9	a10	a9	0	-1
129	1.5	1.0	1.5	18.0	a10	a9	a9	0	+1
131	2.5	2.0	2.0	24.0	b5	b7	b6	0	-2
122	1.0	1.5	1.0	12.0	a9	a9	a9	0	0
130	1.0	1.0	1.0	12.0	b10	b10	b10	0	0
132	1.5	1.0	1.0	12.0	a9	a9	a9	0	0
133	1.5	1.0	1.5	18.0	a10	a10	a10	0	0
134	1.0	1.0	1.0	12.0	b10	a10	b10	-1	0
73	1.5	2.0	2.0	24.0	b10	b9	b10	0	+1
74	1.5	1.5	1.5	18.0	a9	a9	a9	0	0
75	2.0	1.5	2.0	24.0	b9	a10	a10	+1	-1
								+3	+5
								-3	-13

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1930phae.proj.23420

NGC 7789

	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.	
76	2.0	2.0	2.0	24.0	a8	a8	a8	0	0
0-6	2.0	1.5	1.5	18.0	a9	a9	a9	0	0
0-7	2.0	2.0	2.0	24.0	a9	a9	a9	0	0
40-	2.0	2.5	2.0	24.0	a9	b9	a9	-1	0
	Nebula?								
40	2.5:	2.5:	2.5:	30.0:	b9:	b8:	b9:	0	+1
41	2.5:	2.0:	2.0:	24.0:	a9:	a8:	a8:	0	+1
42	2.0:	2.5:	2.0:	24.0:	b7:	b8:	b7:	0	-1
43	2.5:	2.5:	2.5:	30.0:	a7:	b8:	b8:	-1	-1
31	2.5:	2.0:	2.0:	24.0:	a7:	b8:	a7:	-1	-1
1	3.0:	3.5:	3.0:	36.0:	a8:	b9:	b9:	-1	-1
2	3.5:	3.5:	3.5:	~~42.0~~	a5-:	a6:	a5:	0	-1
							20° 70° ~~40°~~		
3	3.5:	3.0:	3.0:	30.0:	b7:	b6:	b6:	0	+1
4	4.0:	4.0:	4.0:	48.0:	a5:	b7:	a6:	-1	-2
8	4.0:	4.5:	4.0:	48.0:	a8:	a7:	a8:	0	+1
9	3.5:	3.5:	3.5:	42.0:	a6:	a6:	a6:	0	0

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	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.	
10	3.0:	3.0:	3.0:	36.0:	a9:	b9:	b9:	-1	0
11	3.0:	3.5:	3.5:	42.0:	b9:	b8:	b8:	0	+1
12	3.5:	3.0:	3.5:	42.0:	a8:	b8:	a8:	-1	0
13	3.0:	3.5:	3.5:	42.0:	b9:	b9:	b9:	0	0
14	2.0:	3.0:	2.5:	30.0:	b9:	b9:	b9:	0	0
28	3.0:	2.5:	3.0:	36.0:	b8:	a8:	a8:	+1	0
29	3.5:	3.0:	3.0:	36.0:	b9:	b8:	b9:	0	+1
30	2.5:	2.5:	2.5:	30.0:	a8:	a8:	a8:	0	0
110	1.5	1.5	1.5	18.0	b8	b9	b9	0	-1
111	1.5	1.0	1.5	18.0	b8	b9	b8	0	-1
112	1.5	1.0	1.0	12.0	b9	b8	b8	0	+1
113	1.5	2.0	1.5	18.0	a9	a8	a9	0	+1
55	2.5	2.0	2.0	24.0	a7	a7	a7	0	0
	Nebula?								
77	2.5	2.0	2.5	30.0	ib6	ib7	ib6	0	-1
78	2.0	2.0	2.0	24.0	a10	a8	a9	0	+2

+1 +10
-7 -10

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A1H2+0

	Diameter 1	2	Mean	"	Concentr. 1	2	Mean	Gradient	
79	2.0	2.0	2.0	24.0	c8	b7	c7	+1	+1
80	2.0	2.0	2.0	24.0	b10	b9	b10	0	+1
83	2.0	2.0	2.0	24.0	a7	c8	b8	-2	-1
84	1.5	1.5	1.5	18.0	b8	b8	b8	0	0
85	2.0	1.5	1.5	18.0	b9	c9	c9	+1	0
86	3.0	3.5	3.0	36.0	a3	b5	a4	15° 15° 11°	-1	-2
119	1.5	1.5	1.5	18.0	a10	a9	a10	0	+1
120	1.5	1.0	1.0	12.0	a10	a9	a9	0	+1
135	2.5	2.0	2.5	30.0	c10	c10	c10	0	0
177	1.5	1.0	1.0	12.0	b10	b9	b10	0	+1
117	1.5	1.5	1.5	18.0	a8	b10	b9	-1	-2
118	1.5	1.5	1.5	18.0	a7	a8	a8	0	-1
87	2.0	1.5	2.0	24.0	b10	b9	b10	0	+1
107	2.0	1.5	1.5	18.0	a9	a9	a9	0	0
108	2.0	1.5	2.0	24.0	b10	b8	b9	0	+2

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150 NGC 1428

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.	
109	2.0	1.5	1.5	18.0	c10	c9	c9	0	+1
114	1.5	1.0	1.5	18.0	b10	b9	b10	0	+1
110	2.0	1.5	1.5	18.0	b9	b9	b9	0	0
116	1.5	1.5	1.5	18.0	a10	a9	a9	0	+1
179	1.5	1.5	1.5	18.0	a9	b9	a9	-1	0
1FF	2.0	1.5	2.0	24.0	b9	a9	a9	+1	0
1F1	2.0	1.5	1.5	18.0	a10	a9	a10	0	+1
1F0	2.0	1.0	1.5	18.0	a10	a8	a9	0	+2
1F2	1.5	1.5	1.5	18.0	a7	a7	a7	0	0
1F3	1.0	1.0	1.0	12.0	a9	a8	a8	0	+1
184	1.5	1.5	1.5	18.0	b10	b9	b10	0	+1
1F5	2.0	1.5	2.0	24.0	c10	c9	c9	0	+1
186	1.5	1.5	1.5	18.0	a9	b8	a9	0	+1
187	2.0	2.0	2.0	24.0	a8	b8	b8	-1	0
102	2.5	3.0	3.0	36.0	a10	a10	a10	0	0
								+3 -6	+18 -6

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1930phae.proj.23422

H14200

	Diameter 1	2	Mean	Concen. & Form 1	2	Mean	Cluster	
103	2.0	2.0	2.0 ✓ 24.0 ✓	b9	b9	b9 ✓ ✓	0	0
104	2.0	2.5	2.0 ✓ 24.0 ✓	b9	b8	b ✓ 8 ✓	0	+1
105	2.0	2.0	2.0 ✓ 24.0 ✓	a8	a8	a ✓ 8 ✓	0	0
106	1.5	1.5	1.5 ✓ 18.0 ✓	b9	b9	b ✓ 9 ✓	0	0
PP	2.0	2.0	2.0 ✓ 24.0 ✓	a10	a8	a ✓ 9 ✓	0	+2
89	2.0	2.0	2.0 ✓ 24.0 ✓	b9	b9	b ✓ 9 ✓	0	0
	Nebula?							
90	1.5	1.5	1.5 ✓ 18.0 ✓	a10	a9	a ✓ 10 ✓	0	+1
	Nebula?							
91	2.0	2.0	2.0 ✓ 24.0 ✓	b7	b7	b ✓ 7 ✓	0	0
92	1.5	1.5	1.5 ✓ 18.0 ✓	a8	a9	a ✓ 9 ✓	0	-1
93	2.5	3.0	3.0 ✓ 36.0 ✓	a7	a7	a ✓ 7 ✓	0	0
	Nebula?							
81	3.0	2.0	2.5 ✓ 30.0 ✓	a9	b9	a ✓ 9 ✓	-1	0
44	2.5	2.5	2.5 ✓ 30.0 ✓	a9	a9	a ✓ 9 ✓	0	0
	Nebula?							
21	3.0	2.5	3.0 ✓ 36.0 ✓	b10	b8	b ✓ 9 ✓	0	+2
22	4.0	3.0	3.5 ✓ 42.0 ✓	a10	b9	b ✓ 10 ✓	0	+1
23	2.5	2.5	2.5 ✓ 30.0 ✓	a9	b9	a ✓ 9 ✓	-1	0
15	2.5	2.5	2.5 ✓ 30.0 ✓	a9	b9	b ✓ 9 ✓	-1	0

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A 14280

	Diameter 1	2	Mean		Concen. + Fame 1	2	Mean	Orient.		
16	3.5:	3.0:	3.0:	36.0:	a6:	b6:	a 6:		0	0
17	3.0:	3.0:	3.0:	36.0:	b6:	b7:	b 7:		0	-1
18	4.0:	3.0:	3.5:	42.0:	a5:	b5:	b 5:	25.0 60 40°	-1	0
19	4.5:	3.5:	4.0:	48.0:	b5:	b6:	b 5:	30° 60 120°	0	-1
20	3.0:	3.0:	3.0:	36.0:	a6:	b7:	a 7:		-1	+1
24	3.0:	2.5:	3.0:	36.0:	b7:	b7:	b 7:		0	0
25	4.0:	4.0:	4.0:	48.0:	a7:	a5:	a 6:		0	+2
26	3.0:	3.0:	3.0:	36.0:	b7:	b6:	b 7:		0	+1
27	3.5:	3.0:	3.0:	36.0:	a6:	a6:	a 6:		0	0
7	3.5:	3.0:	3.5:	42.0:	b7:	b6:	b 6:		0	+1
7a	4.5:	4.5:	4.5:	54:	b6:	b6:	b 6:			
46	3.0:	3.0:	3.0:	36.0:	a7:	a6:	a 7:		0	+1
47	2.5:	3.5:	3.0:	36.0:	b9:	b8:	b 8:		0	+1
48	3.0:	3.0:	3.0:	36.0:	b7:	b6:	b 7:		0	+1
49a	3.0:	3.0:	3.0:	36.0:	a10:	a8:	a 9:		0	+2
49b	4.0:	3.5:	3.5:	42.0:	a10:	b8:	b 9:		-1	+2

Nebula?

+0 +19
-6 -3

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1930phae.proj.2342N

A 14200

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Chrom.	
50	4.0	3.5	4.0	48.0	b6	b6	b6	0	0
51	3.0	3.0	3.0	36.0	b7	b7	b7	0	0
52	3.0	3.0	3.0	36.0	a7	b6	a6	-1	+1
53	4.0	4.0	4.0	48.0	b8	b7	b8	0	+1
54	3.5	4.0	4.0	48.0	b8	c7	c7	-1	+1
82	3.0	3.0	3.0	36.0	a9	a8	a9	0	+1
94	2.5	2.0	2.5	30.0	a8	a6	a7	0	+2
95	2.5	2.0	2.0	24.0	b8	b7	b7	0	+1
96	3.0	2.0	2.5	30.0	a8	b7	a8	-1	+1
97	2.5	2.0	2.5	30.0	b8	b8	b8	0	0
98	2.0	2.0	2.0	24.0	b8	b8	b8	0	0
99	1.5	1.5	1.5	18.0	a9	a8	a8	0	+1
100	3.5	2.5	3.0	36.0	b9	b7	b8	0	+2
101	2.0	2.0	2.0	24.0	b9	b9	b9	0	0
224	3.0	3.0	3.0	36.0	b9	b9	b9	0	0

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A 14280

	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.	
225	2.5 ~~5.5~~	2.0	2.0	24.0	b8	b7	b8	0	-1
226	4.0	3.0	3.5	32.0	a9	a8	a8	0	+1
228	2.0	2.0	2.0	24.0	a9	b9	b9	-1	0
229	2.5	2.5	2.5	30.0	a10	a9	a10	0	+1
230	2.5	2.5	2.5	30.0	a8	b9	a9	-1	-1
231	2.0	2.0	2.0	24.0	b8	b8	b8	0	0
232	2.5	2.5	2.5	30.0	b7	b6	b7	0	+1
	Nebula?								
233	2.0	2.0	2.0	24.0	b9	b7	b8	0	+2
234	2.5	3.0	2.5	30.0	a9	b8	a8	-1	+1
235	2.0	3.0	2.5	30.0	b7	b6	b7	0	+1
236	2.0	2.0	2.0	24.0	b9	a7	b8	+1	+2
237	2.0	2.0	2.0	24.0	b10	a8	a9	+1	+2
238	1.5	1.5	1.5	18.0	b10	b8	b9	0	+2
239	2.5	2.5	2.5	30.0	b9	a9	b9	+1	0
240	2.5	2.0	2.0	24.0	b10	b10	b10	0	0
								+3 -6	+24 -1

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1930phae.proj..23429

# 14280	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Orient.
I 1969	Classified		Bh. B	p. 42				
421	2.5	3.0	2.5	30.0	a 9	c 10	b 10	-2 -1
1F9	2.0	2.0	2.0	24.0	b 10	b 10	b 10	0 0
190	2.0	2.5	2.5	30.0	a 9	b 9	b 9	-1 0
191	~~2.0~~ 1.5	2.0	1.5	18.0	a 8	b 8	a 8	-1 0
192	2.0	2.0	2.0	24.0	b 10	c 8	c 9	-1 +2
193	2.0	2.0	2.0	24.0	b 10	b 8	b 9	0 +2
194	2.0	2.0	2.0	24.0	b 9	b 9	b 9	0 0
195	2.5	2.5	2.5	30.0	a 9	a 8	a 9	0 +1
196	2.0	2.5	2.5	30.0	b 10	c 10	b 10	-1 0
197	1.5	1.5	1.5	18.0	a 10	b 9	b 9	-1 +1
198	2.0	2.0	2.0	24.0	c 10	c 9	c 10	0 +1
199	2.0	2.0	2.0	24.0	b 9	b 9	b 9	0 0
200	2.0	2.0	2.0	24.0	a 8	b 6	a 7	-1 +2
201	2.0	2.0	2.0	24.0	b 8	b 9	b 9	0 -1

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NGC 4280

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.		
202	2.0	1.5	2.0	24.0	b10	b9	b10		0	+1
203	2.0	2.0	2.0	24.0	c7	c8	c8		0	-1
204	1.5	1.5	1.5	18.0	a9	a9	a9		0	0
205	2.0	2.0	2.0	24.0	a8	a10	a9		0	-2
206	2.0	2.0	2.0	24.0	b10	b9	b10		0	+1
207	1.5	1.5	1.5	18.0	b9	b10	b10		0	-1
208	2.0	2.0	2.0	24.0	a10	a10	a10		0	0
209	3.0	2.5	2.5	30.0	a8	b8	b8		-1	0
210	1.5	1.5	1.5	18.0	a10	b10	a10		-1	0
211	2.0	1.5	2.0	24.0	a9	a7	a8		0	+2
212	1.5	1.5	1.5	18.0	b10	c10	c10		-1	0
213	1.5	1.0	1.0	12.0	b10	b10	b10		0	0
214	2.5	2.5	2.5	30.0	b5	b5	b5	40° ~~30°~~	0	0
215	1.5	1.0	1.5	18.0	b10	b9	b10			
216	~~3.0~~	2.0	2.5	30.0	Lf4	Lf5	Lf5	~~135°~~ 55° 30°		

+0 −11 +3 −6

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1930phae.proj.23421

A14280	Diameter 1	2	Mean		Concen. & Form 1	2	Mean Orient.	
217	1.5	2.0	2.0 ✓	24.0 ✓	b10	b10	b✓10✓	
218	1.5	1.5	1.5 ✓	18.0 ✓	a9	b9	a✓9✓	
219	2.0	1.5	2.0 ✓	24.0 ✓	a8	a7	a✓8✓	
220	2.0	2.0	2.0 ✓	24.0 ✓	a4	a5	a✓5✓	60° ~~30~~ ~~10=0°~~
	Nebula?							
221	1.5	1.5	1.5 ✓	18.0 ✓	b10	b9	b✓10✓	
222	2.0	2.0	2.0 ✓	24.0 ✓	a8	a8	a✓8✓	
223	1.5	1.5	1.5 ✓	18.0 ✓	a10	b10	b✓10✓	
174	3.0	2.5	2.5 ✓	30.0 ✓	a6	a6	a✓6✓	
260	1.5	1.5	1.5 ✓	18.0 ✓	b9	b10	b✓10✓	
261	2.5	2.0	2.5 ✓	30.0 ✓	a9	a9	a✓9✓	
330	3.0	2.0	2.5 ✓	30.0 ✓	a8	a9	a✓8✓	
331	4.0	3.0	3.5 ✓	~~42.0~~ ✓	b6	c5	b✓5✓	~~150°~~ ~~240°~~ ~~210~~ 110°
332	1.5	1.5	1.5 ✓	18.0 ✓	a9	a9	a✓9✓	
333	2.0	1.5	1.5 ✓	18.0 ✓	a9	a8	a✓8✓	
334	1.5	1.0	1.5 ✓	18.0 ✓	b9	b9	b✓9✓	

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A14280

	Diameter				Concen. & Form		
	1	2	Mean	"	1	2	Mean Quint
330	1.5	2.0	2.0	24.0	a8	a9	a8
336	1.5	1.0	1.0	18.0	b10	b9	b9
337	1.5	1.5	1.5	18.0	b9	c10	c9
262	1.0	1.0	1.0	12.0	a10	a10	a10
263	1.5	1.5	1.0	18.0	b7	b7	b7
264	2.0	1.5	1.5	18.0	b7	b7	b7
265	1.0	1.0	1.0	12.0	b10	b10	b10
266	2.0	2.0	2.0	24.0	a5	a6	a6
272a	2.0	1.0	1.0	18.0	a9	a10	a9
272b	2.0	1.5	2.0	24.0	a9	a8	a8
273	1.5	2.0	2.0	24.0	b8	b7	b8
274	1.5	1.5	1.5	18.0	a9	a8	a8
275	1.5	1.5	1.5	18.0	b10	b10	b10
269a	1.5	1.0	1.0	18.0	a9	b8	a9
269b	1.0	1.5	1.0	18.0	a10	a9	a9

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1930phae.proj..23429

A 1420	Diameter 1	2	Mean		Concen. & Form 1	2	Mean Chicat.
270	2.0	1.0	1.5	18.0	a 9	a 8	a 9
271	1.5	1.5	1.5	18.0	a 9	a 8	a 8
276	2.0	2.0	2.0	24.0	a 9	b 8	b 9
	Nebula?						
277	1.5	1.5	1.5	18.0	a 10	b 9	a 9
278	1.0	1.0	1.0	12.0	b 10	b 10	b 10
321	1.5	1.5	1.5	18.0	a 10	b 9	b 10
267	1.5	1.0	1.5	18.0	a 9	b 9	a 9
268	1.5	1.0	1.0	12.0	a 9	b 8	b 8
173	2.0	2.5	2.0	24.0	a 6	a 5	a 6
(405) 174	4.0	4.0	4.0	48.0	~~b 8~~	c 8	b 8
	binuclear						
175	2.5	2.0	2.0	24.0	a 5 – a 5		a 5
176	1.5	1.5	1.5	18.0	a 9	a 10	a 10

100°
~~170°~~
~~10°~~

I 1944 Classified Book B, page 74

1948 " " " "

1949 " " " "

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1930phae.proj.2342M

A14280

		Diameter				Concen. & Form			
		1	2	Mean	"		2	Mean	Orient.
	279	3.0	2.5	3.0	36.0	b6	c6	c6	
	280	1.5	1.0	1.0	12.0	b9	b9	b9	
	281	1.5	1.5	1.5	18.0	a8	a7	a8	
	282	1.0	1.0	1.0	12.0	a8	b8	a8	
	283	3.0	3.0	3.0	36.0	a6	a6	a6	
	284	1.5	1.5	1.5	18.0	a8	a8	a8	
	285	2.0	1.5	2.0	24.0	a9	a9	a9	
	286	1.5	1.5	1.5	18.0	b9	b8	b8	
(400)	287	3.5	3.5	3.5	42.0	b6	c6	c6	
(401)	288	1.5	2.0	2.0	24.0	b10	b10	b10	
	304	1.5	1.0	1.5	18.0	a10	a10	a10	
	305	2.0	2.0	2.0	24.0	b6	b6	b6	
	314	2.0	1.5	1.5	18.0	a9	a9	a9	
	315	1.5	1.5	1.5	18.0	b9	b9	b9	
	316	2.0	1.5	2.0	24.0	a9	a8	a9	

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1930phae.proj.23429

AH280

	Diameter 1	2	Mean	"	Concen. + Form 1	2	Mean/Print.	
318	2.5	2.5	2.5	30.0	a5	a7	a6	
319	1.5	1.0	1.0	12.0	b10	b10	b10	
(402) 320	1.5	2.0	1.5	18.0	b9	b9	b9	
322	1.5	1.0	1.0	12.0	b10	b10	b10	
323	1.0	1.0	1.0	12.0	a10	a10	a10	
324	1.5	1.5	1.5	18.0	a9	a9	a9	
325	1.5	1.0	1.5	18.0	a8	b8	a8	
(403) 7	2.0	1.5	1.5	18.0	~~b8~~ c8	c8	c8	
(404) 8	1.0	1.0	1.0	12.0	b8	c8	b8	
(17) 9	1.0	1.5	1.0	12.0	b9	c8	c8	
(406) 11	1.5	1.5	1.5	18.0	b9	c8	b9	
325	2.0	2.0	2.0	24.0	a5	a7	a6	
326	1.5	1.5	1.5	18.0	b7	b8	b8	
327	3.0	2.5	2.5	30.0	b5	c5	c5	40° ~~180°~~
328	2.0	2.5	2.0	24.0	b5	b5	b5	70° ~~20°~~

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1930phae.proj.2342m

A 14280

	Diameter				Concen. + Form			
	1	2	Mean	"	1	2	Mean	Orient
370	2.0	2.0	2.0	24.0	b8	b7	b8	
391	1.5	1.5	1.5	18.0	a10	a9	a9	
392	2.0	1.5	1.5	18.0	b9	b9	b9	
393	2.0	1.5	2.0	24.0	b9	b8	b9	
394	3.0	2.0	2.5	30.0	a6	b7	a7	
395	1.5	1.0	1.0	12.0	b10	c8	c9	
396	1.5	1.0	1.5	18.0	a10	a9	a10	

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258	1.5	1.5	1.5	18.0	a9	b10	a10	
259	2.0	2.0	2.0	24.0	a8	a8	a8	
329	1.0	1.0	1.0	12.0	b9	b9	b9	
338	4.0	3.5	3.5	42.0	a5	b5	b5	145° ~~120~~ ~~90~~
339	2.0	2.0	2.0	24.0	a8	a8	a8	
340	1.5	1.5	1.5	18.0	b9	c10	b9	
341	2.0	2.0	2.0	24.0	a9	b9	b9	

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1930phae.proj.23420

AH280	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
353	2.0	2.0	2.0	24.0	a+	b6	a	7
354	3.0	2.0	2.5	30.0	a9	a9	a	9
355	2.0	1.5	2.0	24.0	b9	b9	b	9
241	2.0	1.5	1.5	18.0	a10	b10	b	10
242	1.5	1.5	1.5	18.0	a9	a9	a	9
243	2.0	1.5	2.0	24.0	a10	b9	a	9
244	3.0	2.0	2.5	30.0	b7	a7	a	7
245	2.0	2.0	2.0	24.0	b10	a8	b	9
246	2.0	1.5	1.5	18.0	b9	b8	b	9
247	1.5	1.5	1.5	18.0	b10	b8	b	9
	Nebula?							
248	1.5	2.0	1.5	18.0	b9	b9	b	+
249	2.0	1.5	1.5	18.0	b10	b9	b	10
250	1.5	1.5	1.5	18.0	b10	c9	c	9
251	3.0	2.5	3.0	36.0	a7	b8	a	7
252	2.0	2.0	2.0	24.0	a9	a9	a	9

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1930phae.proj.2342m

A 14280

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Print
253	~~3.5~~ 2.0	2.0	2.0 ✓	24.0	b10	h9	b ✓ 9 ✓	
254	2.0	2.0	2.0 ✓	24.0 ✓	a10	h9	b ✓ 10 ✓	
255	2.0	1.5	1.5 ✓	18.0 ✓	a10	h10	a ✓ 10 ✓	
256	2.0	2.0	2.0 ✓	24.0 ✓	a10	h9	b ✓ 9 ✓	
257	2.0	2.0	2.0 ✓	24.0 ✓	a10	h8	a ✓ 9 ✓	
227	1.5	1.5	1.5 ✓	18.0 ✓	a10	h9	b ✓ 10 ✓	
345	2.5	2.0	2.0 ✓	30.0 ✓	b7	h7	b ✓ 7 ✓	
346	2.5	2.5	2.5 ✓	30.0 ✓	a+	g10	a ✓ 9 ✓	
347	2.5	2.5	2.5 ✓	30.0 ✓	a10	h9	a ✓ 9 ✓	
348	2.0	2.0	2.0 ✓	24.0 ✓	a9	h8	b ✓ 9 ✓	
H22	3.0	3.0	3.0 ✓	36.0 ✓	b9	h8	b ✓ 8 ✓	
H23	3.0	2.0	2.5 ✓	30.0 ✓	b9	c8	b ✓ 9 ✓	
H24	2.5	2.0	2.0 ✓	24.0 ✓	b10	h10	b ✓ 10 ✓	

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342	1.5	1.5	1.5 ✓	18.0 ✓	a9	a9	a ✓ 9 ✓	

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1930phae.proj.23421

A142d0

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Orient.
343	2.0	2.0	2.0	24.0	b10	b10	b10	
344	4.0	3.0	3.5	42.0	a6	a8	a7	
349	2.0	1.5	2.0	24.0	a9	b8	b8	
350	2.0	2.0	2.0	24.0	a10	a9	a10	
351	2.0	2.0	2.0	24.0	b9	b9	b9	
352	1.5	2.0	2.0	24.0	a10	b9	a9	
401	2.0	2.0	2.0	24.0	b9	b9	b9	
402	2.5	2.5	2.5	30.0	a9	a9	a9	
403	1.5	2.5	2.0	24.0	a9	b9	b9	
404	2.0	2.0	2.0	24.0	b10	b10	b10	
405	2.0	2.0	2.0	24.0	b10	b10	b10	
406	2.0	2.0	2.0	24.0	b8	b10	b9	
407	2.0	2.0	2.0	24.0	a7	a8	a7	
408	2.0	2.0	2.0	24.0	b9	c9	b9	
409	2.0	2.0	2.0	24.0	b9	b9	b9	

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H 1420	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Remnt.
H10	1.5	1.5	1.5	18.0	b10	b9	b9	
H11	2.5	2.0	2.5	30.0	a9	a9	a9	
H12	2.5	2.5	2.5	30.0	a6	b8	b7	
H13	2.5	2.5	2.5	30.0	a8	a7	a8	
	Nebula?							
H14	2.0	2.0	2.0	24.0	a9	b8	a8	
H15	2.0	2.0	2.0	24.0	a9	b9	b9	
H16	2.0	2.5	2.5	30.0	a9	b9	a9	
H00	2.0	1.0	1.5	18.0	a9	a9	a9	
H20	2.0	2.0	2.0	24.0	b10	b10	b10	
H26	2.0	2.0	2.0	24.0	b8	a8	a8	
	Nebula?							
H27	2.0	2.0	2.0	24.0	b9	b9	b9	
[H]	2.0	1.5	2.0	24.0	a8	a9	a8	
H06	2.5	2.0	2.0	24.0	a8	a8	a8	
	Nebula?							
N.S.2	2.5	2.0	2.5	30.0	b8	b9	b9	
H61	2.5	2.5	2.5	30.0	a8	b10	a9	
	Nebula?							

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RH240	Diameter 1	2	Mean	..	Concen. & Lamm 1	2	Mean Dist.
H62	3.0	2.5	2.5	30.0	b8	b9	b8 9
H63	2.0	2.5	2.0	24.0	a9	a10	a10
H64	2.0	2.5	2.5	30.0	a8	b8	b8
H65	3.0	3.0	3.0	36.0	a8	a9	a8
	Nebula?						
H17	3.5	3.0	3.0	42.0	b8	b7	b7
H18	4.0	3.0	3.5	42.0	b1	c8	b9
H19	3.0	3.0	3.0	36.0	b9	b9	b9
	Attached to star						
H20	3.5	2.5	3.0	36.0	a9	b9	b9
H28	2.0	1.5	1.5	18.0	a8	a9	a8
H51	2.0	2.0	2.0	24.0	b8	b8	b8
H52	2.0	2.5	2.0	24.0	b8	c9	b9
H53	4.0	3.5	3.5	42.0	a5	a5	a5 145°
H54	2.0	2.0	2.0	24.0	a9	a9	a9
H55	2.0	2.0	2.0	24.0	b9	b9	b9
H57	2.0	2.5	2.0	24.0	b9	b8	b9

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1930phae.proj.2342M

17 14 280

	Diameter				Concen. + Form			
	1	2	Mean	..	1	2	Mean	Discrep.
H58	2.0	2.0	2.0	24.0	b8	b8	b8	
H59	2.0	2.0	2.0	24.0	a9	a9	a9	
H60	2.0	2.5	2.5	30.0	b9	c9	c9	
H79	3.0	2.5	3.0	36.0	b8	a7	b7	
397	1.5	1.5	1.5	18.0	a10	b10	b10	
398	2.0	2.0	2.0	24.0	b10	c10	b10	
399	1.5	1.5	1.5	18.0	a9	a8	a9	
H29	2.0	2.0	2.0	24.0	a8	a8	a8	
H30	2.5	2.0	2.0	24.0	b7	c8	c8	
H31	1.5	1.5	1.5	18.0	b10	b10	b10	
	In contact with star							
509	1.0	1.0	1.0	12.0	b10	b9	b10	
390	1.5	1.5	1.5	18.0	b10	b9	b9	

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H32	1.5	1.5	1.5	18.0	b8	b9	b8	
H33	2.0	2.0	2.0	24.0	a10	a10	a10	

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1930phae.proj.23429

H 1428.0	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
H34	2.0	2.0	2.0	24.0	a10	a9	a 9	
H35	2.0	2.0	2.0	24.0	b8	b8	b 8	
H36	2.0	2.0	2.0	24.0	a8	a8	a 8	
	nebula?							
H37	1.5	1.5	1.5	18.0	b8	b9	b 9	
H38	2.0	2.0	2.0	24.0	b8	c9	b 9	
I 1984	Classified Book B, page 82							
H49	2.0	2.0	2.0	24.0	a10	a10	a 10	
H50	2.0	2.0	2.0	24.0	a9	b9	b 9	
H48	2.0	2.0	2.0	24.0	a7	b8	a 7	
H51	2.5	2.0	2.5	30.0	b7	c9	c 8	
H52	4.0:	4.0:	4.0:	48.0:	c:5:	b:5:	c:5:	140° ~~45°~~ 50°
	scratched							
H53	2.5	2.5	2.5	30.0	b6	b8	b 7	
H54	2.5	2.5	2.5	30.0	b6	b8	b 7	
H47	2.0	2.0	2.0	24.0	a6:	c6:	b 6:	
H46	3.5	2.5	3.0	36.0	a7	b8	b 8	

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1930phae.proj.2342m

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	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Print
H45	2.0	2.0	2.0	24.0	b7	b8	b7	
H46	2.0	2.0	2.0	24.0	b9	b8	b8	
H47	2.0	1.5	1.5	18.0	b8:	b7:	b8:	
	nebula?							
H48	2.0	2.0	2.0	24.0	b8	b8	b8	
	nebula?							
H95	2.0	2.0	2.0	24.0	b9	b9	b9	
H96	2.5	2.0	2.5	30.0	a9	a9	a9	
H97	2.0	2.0	2.0	24.0	a8	a9	a9	
357	2.0	2.5	2.5	30.0	a7	a8	a9	
365	2.0	2.0	2.0	24.0	a9	a9	a9	
366	1.5	2.0	1.5	18.0	a8	a8	a8	
367	3.5	3.0	3.0	36.0	Lf5	Lf5	Lf5	60.0 ~~100.0~~
368	1.5	1.5	1.5	18.0	a7	a8	a7	
369	3.0	2.0	2.5	30.0	a8	a7	a7	
	nebula?							
370	1.5	1.5	1.5	18.0	a10	a9	a10	
371	1.5	1.5	1.5	18.0	b9	c9	b9	

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NH280

	Diameter				Concen. & Form		
	1	2	Mean	"	1	2	Mean Quant.
372	1.0	1.0	1.0	12.0	b10	b10	b10
373	1.0	1.0	1.0	12.0	b10	b10	b10
374	1.5	1.5	1.5	18.0	a9	b9	b9
376	1.5	2.0	1.5	18.0	b7	b9	b8
377	2.0	2.0	2.0	24.0	b8	a8	b8
378	1.5	2.0	2.0	24.0	b9	b8	b8
379	2.0	1.5	2.0	24.0	b7	a9	a8
380	1.5	1.5	1.5	18.0	b8	b7	b8
381	1.5	1.5	1.5	18.0	a9	c8	b8
382	1.5	1.5	1.5	18.0	a10	b9	a10
383	2.0	2.0	2.0	24.0	a9	a9	a9
384	1.5	2.0	2.0	24.0	b9	b7	b8
	In contact with star						
385	2.0	2.5	2.0	24.0	a6	c6	b6
386	2.0	2.0	2.0	24.0	a8	a7	a7
387	1.5	2.0	2.0	24.0	a9	a8	a9

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A14280

	Diameter 1	2	Mean	..	Concen. & Form 1	2	Mean	Orient.
388	2.0	1.5	2.0	24.0	a10	h8	b9	
389	2.0	2.0	2.0	24.0	b7	c8	b8	
(407) 10	2.0	2.0	2.0	24.0	e9	d7	d8	
HH5	2.0	2.0	2.0	24.0	a8	a8	a8	
446	2.0	2.0	2.0	24.0	b8	h8	b8	
489	2.0:	2.5:	2.5:	30.0:	a7:	a7:	a7:	
490	2.5:	3.0:	2.5:	30.0:	b7:	h7:	b7:	
491	3.0:	3.0:	3.0:	36.0:	b6:	h6:	b6:	
492	3.0:	3.0:	3.0:	36.0:	a6:	a6:	a6:	
494	2.5:	3.0:	3.0:	36.0:	a6:	h8:	a7:	
I2000	Classified Book D, page 82							
~~E2001~~	two stars - N. S.							
498	4.0:	4.0:	4.0:	48.0:	a9:	h8:	b9:	
503	4.0:	4.0:	4.0:	48.0:	a9:	a7:	a8:	
504	2.5:	3.0:	2.5:	30.0:	a8:	a7:	a7:	

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1930phae.proj.23422

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Orient.
H 1420								
I 2009	Classified Book B, page 82				~~a8~~:			
H93	3.0:	3.0:	3.0:	36.0:	~~a8~~ b6:	b8:	a8:	
H99	5.0:	4.0:	4.5:	54.0:	b6: ~~b6~~:	b5:	b6:	
500	4.0:	4.0:	4.0:	48.0:	b6:	b5:	b5:	35° ~~55°~~
	Nebula?							
501	5.0:	4.5:	4.5:	54.0:	a5:	a5:	a5:	40° ~~55°~~
502	5:0:	5.0:	5.0:	60.0:	a5:	b5:	b5:	30° ~~60°~~ ~~120°~~
I 2004	5.0:	4.5:	5.0:	60.0:	c6:	c6:	c6:	
H39	2.5:	2.5:	2.5:	30.0:	b8:	b8:	b8:	
H40	2.0:	2.0:	2.0:	24.0:	b8:	b8:	b8:	
	Nebula?							
H41	3.0:	2.5:	2.5:	30.0:	b7:	b8:	b7:	
H42	3.5:	3.5:	3.5:	42.0:	b8:	c8:	b8:	
H43	4.0:	4.0:	4.0:	48.0:	b7:	c8:	c8:	
H44	3.0:	3.0:	3.0:	36.0:	b6:	b7:	b6:	
H1423	Classified Book B, page 82							
505	4.0:	4.0:	4.0:	48.0:	a5:	b5:	a5:	15° ~~75°~~ ~~105°~~

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1930phae.proj.23421

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	Diameter 1	2	Mean		Concen. & Form 1	2	Mean Orient
506	4.0:	5.0:	4.5:	54.0:	a5:	h6:	b6:
507	3.5:	4.5:	4.0:	48.0:	b8:	h9:	b8:
475	2.0:	2.0:	2.0:	24.0:	b8:	h9:	b9:
476	2.5:	2.5:	2.5:	30.0:	a9:	a9:	a9:
477	4.5:	5.0:	4.5:	54.0:	a7:	a6:	a7:
478	3.0:	4.0:	3.5:	42.0:	b6:	h6:	b6:
508	4.0:	4.0:	4.0:	48.0:	a6:	a7:	a7:
466	4.0:	4.0:	4.0:	48.0:	b7:	h8:	b7:
467	5.0:	5.0:	5.0:	60.0:	b7:	h7:	b7:
468	5.0:	5.0:	5.0:	60.0:	b7:	h7:	b7:
469	2.5:	3.5:	3.0:	36.0:	b9:	c9:	b9:
470	3.0:	3.0:	3.0:	36.0:	b8:	h8:	b8:
471	2.5:	3.0:	3.0:	36.0:	a9:	a8:	a9:
472	3.0:	2.5:	3.0:	36.0:	a9:	a9:	a9:
473	2.0:	2.5:	2.5:	30.0:	a10:	a9:	a9:

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1930phae.proj.23422

H 14280	Diameter 1	2	Mean		Concen. & Form 1	2	Mean Class
474	5.0:	~~4~~5:	5.0:	60-0:	a7:	a7:	ă7:
H 1448	Classified Book B, page 82						
/ N.S.3	3.0	3.0	3.0	36-0	a9:	a8:	ă9:

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1930phae.proj.2342m

176 RH181

	Diameter 1	Diameter 2	Diameter Mean		Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean Quant.
70	2.0	2.0	2.0	24.0	h10	h9	h 10
80	3.0	3.0	3.0	36.0	h9	h8	h 8
81	3.0	3.0	3.0	36.0	if9	if8	if 8
	Nucleus off center; or possibly defect?						
82	2.5	2.5	2.5	30.0	h7	h8	h 7
84	3.0	3.0	3.0	36.0	h7	h7	h 7
89	2.0	2.0	2.0	24.0	h8	h8	h 8
91	3.0	3.0	3.0	36.0	h9	c8	h 8
86	3.0	3.0	3.0	36.0	a9	a9	a 9
114	2.0	2.0	2.0	24.0	a9	h9	h 9
115	2.5	2.5	2.5	30.0	h9	h8	h 9
116	2.5	2.0	2.5	30.0	c8	c9	c 9
117	2.0	2.0	2.0	24.0	h8	h8	h 8
118	3.5	3.0	3.0	36.0	h8	h8	h 8
119	2.5	3.0	2.5	30.0	h8	h8	h 8
139	2.5	2.5	2.5	30.0	h7	c7	h 7

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1930phae.proj.:23429

A#1-1

	Diameter 1	Diameter 2	Diameter Mean	..	Concen. & Form 1	Concen. & Form 2	Concen. & Form Mean	Orient.
95	2.5	2.0	2.0	24	b8	b8	b8	
96	2.0	2.5	2.0	24	c9	d9	d9	
97	2.5	2.0	2.0	24	c8	c7	c8	
9	2.0	2.5	2.0	24	b8	b9	b9	
105	2.0	2.5	2.5	30.0	c8	d8	c8	
109	2.5	3.0	2.5	30.0	c9	c8	c9	
110	2.0	2.5	2.5	30.0	a8	b8	b8	
120	1.5	1.5	1.5	18.0	b9	b9	b9	
121	2.5	3.0	2.5	30.0	c8	c7	c7	
122	2.0	2.0	2.0	24.0	b9	b8	b9	
123	1.5	2.5	2.0	24.0	c9	c9	c9	
124	3.0	3.0	3.0	36.0	c8	c9	c9	
94	2.0	2.0	2.0	24.0	c9	c9	c9	
75	2.5	2.5	2.5	30.0	c6	c7	c6	
78	3.0	3.0	3.0	36.0	b5	b5	b5	20°

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1930phae.proj.2342N

178 AH181

	Diameter. 1	2	Mean		Concen. & Form 1.	2	Mean Uncert.
103	2.0	3.0	2.5 ✓	30.0 ✓	c8	c8	c̆ 8̆
129	1.5	2.0	2.0 ✓	24.0 ✓	h9	h9	b̆ 9̆
99	2.0	1.5	2.0 ✓	24.0 ✓	a9	h7	ă 8̆
138	2.0	2.0	2.0 ✓	24.0 ✓	c9	c10	c̆ 10̆
73	3.0	3.0	3.0 ✓	36.0 ✓	h6	h7	b̆ 6̆
61	2.0	1.5	1.5 ✓	18.0 ✓	a9	c9	b̆ 9̆
62	2.5	2.0	2.5 ✓	30.0 ✓	c9	c9	c̆ 9̆
59	2.0	1.5	1.5 ✓	18.0 ✓	h9	h9	b̆ 9̆
133	2.0	2.0	2.0 ✓	24.0 ✓	h7	h7	b̆ 7̆
~~39~~	~~2.5~~	~~2.5~~	~~2.5~~		~~c8~~	~~c8~~	~~c8~~
	2 stars of 14280						
~~40~~	~~3.0~~	~~3.0~~	~~3.0~~		~~h8~~	~~h9~~	~~b9~~
	star of 14280						
41	2.5	2.5	2.5 ✓	30.0 ✓	h8	h9	b̆ 8̆
30	2.0	1.5	2.0 ✓	24.0 ✓	h10	c9	c̆ 9̆
31	2.0	2.0	2.0 ✓	24.0 ✓	a10	a9	ă 10̆
~~35~~							

2 stars

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1930phae.proj.23429

RH181

	Diameter 1	Diameter 2	Mean		Concen. + Form 1	Concen. + Form 2	Mean Concen. + Form
~~30~~	:				~~a9:~~		
	~~Nebula??~~		Rejected				
131	2.0	2.0	2.0	24.0	b9	~~c9 c4~~	b 9
28	2.0	2.5	2.5	30.0	a8	b8	b 8
d	3.5	3.0	3.0	42.0	c9	b9	c 9
10	3.5	3.0	3.0	36.0	ia6	ia6	ia 6
	possibly 2 stars						
15	3.0	3.5	3.0	36.0	if8	if8	if 8
16	3.5	3.5	3.5	42.0	d9	c9	c 9
18	2.0	2.0	2.0	24.0	b10	b9	b 9
6	3.0	2.5	2.5	30.0	a9	b9	a 9
7	3.0	2.5	3.0	36.0	b9	b9	b 9
8	4.0	3.0	3.0	42.0	b8	c10	c 9
11	2.0	2.0	2.0	24.0	c10	c9	c 10
a	~~4.5~~ 6.0	6.0	6.0	72.0	c8:	c8:	c 8:
	Very near edge.						
27	2.0	2.0	2.0	24.0	b10	b10	b 10

#

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1930phae.proj.2342N

AH183

		Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Annul.
(2)	317	3.0	3.0	3.0	36.0	a9	a9	a9	
	318	3.0	2.5	3.0	36.0	a8	b9	a8	
(37)	H17	5.0	4.0	4.5	54.0	c8	c9	c9	
(3)	* 1	2.5	2.5	2.5	30.0	b7	b8	b7	
(2)	* 2	3.0	3.0	3.0	36.0	b9	b9	b9	
(17)	* 3	2.0	2.5	2.5	36.0	a8	a10	a9	
(19)	* 4	1.5	1.5	1.5	18.0	b8	b9	b9	
(33)	* 5	2.0	2.0	2.0	24.0	c7	b8	b7	
(35)	* 6	3.0	3.0	3.0	36.0	b7	a7	b7	
	H16	2.0	2 0	2.0	24.0	b9	b9	b9	
	3H2	2.5	3.0	2.5	30.0	a8	a8	a8	
	3H3	3.0	4.0	3.5	42.0	a9	a10	a10	
	3H5	3.0	4.0	3.5	41.0	a8	b8	b8	
	320	3.0	4.0	3.5	41.0	a7	b7	a7	
	322	5.0	5.0	5.0	60.0	a8	a8	a8	

* transferred from A150H4

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1930phee.proj..23421

H 4183

	Diameter 1	2	Mean	..	Concen. & Form 1	2	Mean Orient.
326	2.0	4.0	3.5	42.0	a9	b10	b9
327	3.5	2.5	3.0	36.0	b8	b8	b8
413	2.0	2.0	2.0	24.0	b9	b9	b9
412	2.0	2.0	2.0	24.0	a10	a9	a9
411	2.0	2.0	2.0	24.0	a9	a9	a9
(21) 404	2.0	2.0	2.0	24.0	b9	a10	b9
~~(12) 24a~~	duplicate						
~~(14) 24b~~	..						
(20) * 7	3.0	2.0	2.5	30.0	b10	a9	a9
(15) * 8	4.0	4.0	4.0	48.0	b6	c6	b6
(16) * 9	2.0	2.0	2.0	24.0	b9	c9	c9
(24) * 10	1.5	1.5	1.5	18.0	a8	a9	a8
	nebula?						
405	2.0	2.5	2.5	30.0	b8	b8	b8
409	3.0	3.0	3.0	36.0	c6	c6	c6
410	2.0	2.0	2.0	24.0	a8	b10	a9

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1930phae.proj.2342m

		Diameter				Concen. & Form			
		1	2	Mean	"	1	2	Mean	Orient.
	H08 ✓	2.0	2.0	2.0 ✓	24.0 ✓	b10	b10	b10 ✓✓	
	H07 ✓	2.5	2.0	2.5 ✓	30.0 ✓	c6	ic6	ic6 ✓✓	
		double nucleus							
	243	2.0	2.0	2.0 ✓	24.0 ✓	c10	c10	c10 ✓✓	
	H03 ✓	1.5	2.0	2.0 ✓	24.0 ✓	b9	b8	b8 ✓✓	
(38)	*12?	2.0	1.5	2.0 ✓	24.0 ✓	a9	a8	a9 ✓✓	
		nebula?							
	398 ✓	3.0	3.0	3.0 ✓	36.0 ✓	a6	b5	b5 ✓✓	40°
(HP)	397 ✓	2.0	2.0	2.0 ✓	24.0 ✓	b8	c8	b8 ✓✓	
(57)	396 ✓	2.0	2.0	2.0 ✓	24.0 ✓	b7	b7	b7 ✓✓	
	341 ✓	3.0	2.5	2.5 ✓	30.0 ✓	a9	c10	b9 ✓✓	
	346 ✓	2.0	2.0	2.0 ✓	24.0 ✓	b9	b9	b9 ✓✓	
		nebula?							
	347 ✓	3.5	4.0	3.5 ✓	42.0 ✓	a9	b7	b8 ✓✓	
	348 ✓	3.0	3.0	3.0 ✓	36.0 ✓	if9	if9	if9 ✓✓✓	
		nebula?							
	392 ✓	1.5	2.0	2.0 ✓	24.0 ✓	b10	c10	b10 ✓✓	
	393 ✓	2.0	1.5	2.0 ✓	24.0 ✓	b9	b10	b10 ✓✓	
(22)	*13	1.5	1.5	1.5 ✓	18.0 ✓	a9	a9	a9 ✓✓	

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A4183

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Chiant.
356 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a9	b8	b̌ q̌	
357 ✓	2.0	2.5	2.5 ✓	30.0 ✓	a10	b9	ǎ q̌	
358 ✓	2.5	3.0	2.5 ✓	30.0 ✓	a8	a8	ǎ p̌	
362 ✓	2.0	3.0	2.5 ✓	30.0 ✓	b9	b9	b̌ q̌	
346 ✓	2.5	2.5	2.5 ✓	30.0 ✓	a6	a5	ǎ 6̌	
347 ✓	2.0	2.0	2.0 ✓	24.0 ✓	b9	b9	b̌ q̌	
349 ✓	2.0	2.0	2.0 ✓	24.0 ✓	c10	c9	č q̌	
390 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a9	a9	ǎ q̌	
391 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a8	a8	ǎ p̌	
350 ✓	2.5	3.0	3.0 ✓	36.0 ✓	c9	c8	č q̌	
351 ✓	2.5	3.0	2.5 ✓	30.0 ✓	b9	b9	b̌ q̌	
365 ✓	2.0	2.5	2.5 ✓	30.0 ✓	b10	b8	b̌ q̌	
366 ✓	~~2.0~~ 3.0	6.0	5.5 ✓	~~42.0~~ 66.0 ✓	a7	a9	ǎ p̌	
352 ✓	4.0	3.0	3.5 ✓	42.0 ✓	a8	a10	ǎ q̌	
353 ✓	1.5	1.5	1.5 ✓	18.0 ✓	b10	b10	b̌ 10̌	

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4H183

	Diameter				Concen. + Form			
	1	2	Mean	"	1	2	Mean	Orient.
354 ✓	3.0	3.0	3.0 ✓	36.0 ✓	a9	a10	a✓10✓	
364 ✓	3.0	3.0	3.0 ✓	36.0 ✓	b7	b7	b✓7✓	
367 ✓	3.0	3.5	3.0 ✓	36.0 ✓	a8	a8	a✓8✓	
369 ✓	3.0	3.0	3.0 ✓	36.0 ✓	a9	a10	a✓9✓	
370 ✓	3.5	4.0	4.0 ✓	48.0 ✓	b10	b10	b✓10✓	
371 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a9	a8	a✓8✓	
373? ✓	4.5	5.0	4.5 ✓	54.0 ✓	b8	b8	b✓8✓	
376 ✓	2.0	2.5	2.5 ✓	30.0 ✓	b9	a9	a✓9✓	
378 ✓	3.0	3.0	3.0 ✓	42.0 ✓	a7	a6	a✓7✓	
380 ✓	3.0	3.5	3.5 ✓	42.0 ✓	a6	a6	a✓6✓	
381 ✓	2.0	2.0	2.0 ✓	24.0 ✓	b9	b9	b✓9✓	
384 ✓	1.5	2.0	1.5 ✓	18.0 ✓	a9	b9	a✓9✓	
394 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a8	a8	a✓8✓	
H26 ✓	2.5	2.5	2.5 ✓	30.0 ✓	a7	b7	b✓7✓	
H36 ✓	1.5	1.5	1.5 ✓	18.0 ✓	b8	b8	b✓8✓	

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HH183

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
H34 ✓	2.0	2.5	2.5	30.0	a8	b8	ă ă
H35 ✓	3.0	2.5	3.0	36.0	a9	b10	ă ă
H28 ? ✓	2.0	2.0	2.0	24.0	a8	b9	ă ă
H31 ✓	2.0	2.0	2.0	24.0	a8	a6	ă ă
H29 ✓	2.0	2.0	2.0	24.0	b8	b7	ă ă
H28 ? ✓	1.5	2.0	2.0	24.0	a7	a8	ă ă
	nebula ?						
H27 ✓	1.5	1.5	1.5	18.0	b9	b10	ă ă
H26 ✓	1.5	2.0	1.5	18.0	b9	b9	ă ă
H02 ✓	3.0	4.0	3.5	42.0	d10	e10	ă ă
H38 ✓	1.5	2.5	2.0	24.0	a9	a10	ă ă
H39 ✓	3.0	2.5	2.5	30.0	a9	a9	ă ă
H40 ✓	1.5	1.5	1.5	18.0	b9	b9	ă ă
(284) H41 ✓	4.0	4.0	4.0	48.0	b5	b5	ă ă	135° ~~180°~~
(166) * 15	2.0	2.0	2.0	24.0	a9	b9	ă ă
(287) * 16	1.5	1.5	1.5	18.0	a10	a9	ă ă

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186 AH183

	Diameter 1	2	Mean	..	Concen. + Form 1	2	Mean	Orient.
(289) * 17	2.0	2.0	2.0	24.0	b10	c10	c10	
(293) * 19	3.0	3.0	3.0	36.0	b7	b6	b7	
(192) * 18	2.0	1.5	2.0	24.0	c8	c9	c9	
(290) HH4	2.0	2.0	2.0	24.0	b8	b8	b8	
(291) HH5	2.0	2.0	2.0	24.0	b8	c7	b8	
(295) * 20	2.0	1.5	1.5	18.0	a8	a10	a9	
(164) * 14	1.5	1.5	1.5	18.0	b9	b9	b9	
HH2	1.5	1.5	1.5	18.0	a9	a9	a9	
HH3	2.0	2.0	2.0	24.0	a8	a8	a8	
HH7	2.0	2.5	2.0	24.0	a9	b8	b8	
HH9	3.5	4.0	4.0	48.0	b8	b6	b7	
HH8	2.0	2.0	2.0	24.0	c9	c7	c7	
HH5	1.5	2.0	1.5	18.0	a10	a9	a9	
3P3	2.0	2.0	2.0	24.0	b8	b7	b8	
HH1	2.0	2.0	2.0	24.0	b9	b9	b9	

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A H183

	Diameter 1	2	Mean		Concen. + Form 1	2	Mean	Orient.
H5-2	2.0	2.0	2.0	24.0	b6	b5-	b5	80°
H5-3	1.5-	2.0	2.0	24.0	c7	b6	c7	
H5-4	4.0	3.0	3.5	42.0	c6	b7	b7	
H5-9	3.0-	3.0	3.0	36.0	b10	b10	b10	
H60	1.5-	1.5	1.5	18.0	c10	c10	c10	
H61	2.0	2.0	2.0	24.0	a9	b9	a9	
H62	2.0	2.0	2.0	24.0	b9	b8	b9	
67a	6.0	6.0	6.0	72.0	c5-	c5-	c5	60° ~~120°~~ ~~30°~~
very bright not to be a catalogued object								
H5-5-	2.5	2.5	2.5	30.0	a8	b9	b9	
547a	3.0	2.5	3.0	36.0	a7	b8	a7	
547b	2.0	2.5	2.5	30.0	a8	a8	a8	
5H8	4.0	3.0	3.5	42.0	a9	b9	b9	
549?	2.0	2.5	2.0	24.0	a9	a9	a9	
nebula?								
550	2.0	2.0	2.0	24.0	b10	b10	b10	
551	5.0	5.0	5.0	60.0	~~b4~~ a8	~~b4~~ a7	b4	~~120°~~ ~~150°~~

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188 H413

	Diameter 1	2	Mean		Concen. + Form 1	2	Mean	Orient.
96	5.5	5.0	5.0	60.0	d10	d10	d10	
	hard, bright nucleus in very faint nebulosity							
458	2.0	2.0	2.0	24.0	b9	b9	b9	
541	3.5	3.5	3.5	42.0	a6	a6	a6	
542	2.0	2.0	2.0	24.0	b10	b10	b10	
543	2.0	3.0	2.5	30.0	b9	b9	b9	
H63	1.5	1.5	1.5	18.0	b10	b10	b10	
464	2.0	1.5	2.0	24.0	b7	b7	b7	
465	2.0	2.0	2.0	24.0	a8	b6	a7	
466	1.5	1.5	1.5	18.0	a9	a10	a10	
467	2.0	2.0	2.0	24.0	a10	a10	a10	
468	6.5	6.0	6.0	72.0	c3	c4	c3	180°
528	2.0	2.0	2.0	24.0	c9	c10	c10	
469	3.0	3.5	3.0	36.0	c6	c6	c6	
470	1.5	1.5	1.5	18.0	b9	b9	b9	
471	6.0	5.5	5.5	66.0	id6	id6	id6	
	nucleus off center							

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AH183

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
472 ✓	2.0	2.0	2.0	24.0	b8	b10	b9
474 ✓	2.0	2.0	2.0	24.0	c8	b8	b8
479 ✓	1.5	2.0	1.5	18.0	c9	b9	c9
(548) 520 ✓	3.0	2.5	2.5	20.0	a6	a7	a6
(357) *39	1.0	2.0	1.5	18.0	b10	b8	b9
(359) *40	1.5-	1.5	1.5	18.0	b9	b9	b9
(512) 480 ✓	2.0	2.0	2.0	24.0	a8	a8	a8
(304) 485- ✓	1.5-	2.0	1.5	18.0	b9	b9	b9
(299) * 22	1.0 nebula ?	1.5	1.5	18.0	b7	b8	b8
(302) * 23	1.5-	1.5	1.5	18.0	b9	b9	b9
(301) * 24	1.5-	1.5	1.5	18.0	a8	a9	a8
(353) * 25-	1.0	1.0	1.0	12.0	a10	a8	a9
(354) * 26	1.0	1.0	1.0	12.0	a9	a9	a9
(355) * 27	1.5-	2.0	1.5	18.0	b10	b10	b10
(311) * 28	2.0	1.5	1.5	18.0	a10	a10	a10

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190 AH183

		Diameter 1	2	Mean		Concen. & Form 1	2	Mean Orient.	
(545)	29	2.5	1.5	2.0	24.0	~~a 7~~ ~~i a 9~~	~~i d 9~~	a 7	(561
~~very faint nucleus, ring, equally ~~ ~~partially photographic dyad~~						~~planetarium~~	~~very faint ring~~		
(546)	30	1.5	1.5	1.5	18.0	b 9	a 8	a 8	(55
(549)	31	2.0	2.0	2.0	24.0	a 9	a 9	a 9	(55
(550)	32	1.5	1.5	1.5	18.0	b 8	a 9	b 8	(55
(300)	478	1.5	2.0	1.5	18.0	b 9	b 9	b 9	(57
	516	2.5	2.0	2.0	24.0	b 6	b 7	b 7	(565
	517	2.5	2.0	2.5	30.0	b 10	b 8	b 9	(56
	4F1	2.0	3.0	2.5	30.0	b 10	b 10	b 10	(5
	4F2	2.0	2.0	2.0	24.0	b 9	b 7	b 8	(56
	4F3	2.0	2.0	2.0	24.0	a 10	b 8	b 9	(56
	4F4	2.0	2.0	2.0	24.0	b 9	a 10	b 9	(8F4
	490	2.0	3.0	2.5	30.0	a 8	b 10	b 9	(5
	491	1.5	2.0	2.0	24.0	a 10	b 9	a 9	
	4F3	2.0	2.0	2.0	24.0	b 8	c 8	c 8	(5
(562)	*49	2.0	2.0	2.0	24.0	a 7	a 9	a 8	

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AH 83

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
(561) * 50	1.5	2.0	1.5	18.0	a 9	b 8	a 9
(555) * 34	1.5	1.5	1.5	18.0	a 8	b 8	b 8
	nebula?						
(556) * 36	2.0	2.0	2.0	24.0	a 10	b 10	a 10
(552) * 38	2.0	2.0	2.0	24.0	a 7	a 9	a 8
(570) * 42	2.0	2.0	2.0	24.0	a 8	a 9	a 9
(565) * 43	2.0	2.0	2.0	24.0	a 9	b 7	b 8
(567) * 44	2.0	2.0	2.0	24.0	a 8	b 9	a 8
(568) * 45	1.5	2.0	2.0	24.0	a 7	b 8	b 8
	nebula?		Scratched.				
(563) * 46	2.5	2.0	2.5	30.0	a 9	a 8	a 9
(560) * 47	2.5	2.0	2.0	24.0	b 9	b 10	b 10
(849) * 51	4.0	3.0	3.5	42.0	b 7	b 7	b 7
(559) * 48	2.0	2.0	2.0	24.0	a 8	b 8	a 8
526	1.5	2.0	1.5	18.0	a 10	a 8	a 9
(553) 527	2.0	2.0	2.0	24.0	a 10	b 9	b 10
532	3.0	3.5	3.5	42.0	b 6	b 6	b 6

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192 AH163

	Diameter 1	2	Mean		Concen. + Form 1	2	Mean Orient.
533 ✓	2.0	3.0	2.5 ✓	30.0 ✓	b9	b8	b8 ✓✓
534 ✓	1.5	2.5	2.0 ✓	24.0 ✓	b9	b10	b9 ✓✓
535 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a10	a9	a9 ✓✓
538 ✓	2.5	3.0	2.5 ✓	30.0 ✓	b10	a9	b10 ✓✓
539 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a7	a8	a8 ✓✓
540 ✓	3.0	2.5	2.5 ✓	30.0 ✓	a8	a6	a7 ✓✓
544 ✓	2.0	2.0	2.0 ✓	24.0 ✓	a7	b7	b7 ✓✓
545 ✓	5.0	4.0	4.5 ✓	54.0 ✓	a10	a9	a10 ✓✓
315	4.0	4.0	4.0 ✓	48 ✓	d9	d8	d9 ✓
316	4.0	4.0	4.0 ✓	48 ✓	c8	c8	c8 ✓
418	3.5	3.5 ✓	3.5 ✓	42 ✓	a6	a7	a7 ✓
(30, 15944)							
319	2.0	2.0	2.0 ✓	24 ✓	c9	c9	c9 ✓
382	1.5	1.5 ✓	1.5 ✓	18 ✓	c10	c9	c10 ✓
521	2.0	2.0 ✓	2.0 ✓	24 ✓	a8	a8	a8 ✓

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A15879

	Diameter 1	2	Mean	..	Concen. & Form 1	2	Mean Uncert.
1	6.0	6.0	6.0	72.0	b6:	b6:	b6:
2	5.0	6.0	5.5	66.0	a7:	b7:	a7:
3	5.0	5.0	5.0	60.0	b6:	b6:	b6:
5	4.0	4.0	4.0	48.0	a7:	b8:	b7:
7	3.0	2.5	3.0	36.0	e8:	b8:	c8:
8	4.0	3.0	3.5	42.0	b7:	b7:	b7:
9	3.0	3.0	3.0	36.0	a7:	b:7	b7:
37F	3.0	2.0	2.5	30.0	a8	a9	a9
3F0	2.5	2.5	2.5	30.0	Nebula? a8	a8	a8
3F4	2.0	2.0	2.0	24.0	Nebula? a7	a8	a7
387	1.5	2.0	2.0	24.0	a9	b8	a8
38F	2.5	2.5	2.5	30.0	Neb? a9	b7	b8
12	2.5	2.5	2.5	30.0	Neb? a7	a8	a7
13	2.0	2.0	2.0	24.0	b7	b7	b7
66	3.0	2.5	3.0	36.0	a9	b9	a9

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	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
17	3.5	3.0	3.0 ✓	36.0 ✓	b9	a9	a9 ✓
20	2.5	2.5	2.5 ✓	30.0 ✓	b10	c9	b9 ✓
21	2.0	2.0	2.0 ✓	24.0 ✓	b10	b8	b9 ✓
22	3.0	3.0	3.0 ✓	36.0 ✓	a6	a6	a6 ✓
23	~~3.0~~ 2.0	2.0	2.0 ✓	24.0 ✓	c9	c9	c9 ✓
24	2.0	2.0	2.0 ✓	24.0 ✓	b7	b7	b7 ✓
25	3.0	3.0	3.0 ✓	36.0 ✓	b7	b7	b7 ✓
26	2.5	2.5	2.5 ✓	30.0 ✓	Hazy star? a7	a7	a7 ✓
29	3.0	2.0	2.5 ✓	30.0 ✓	Neb.? b6	b7	b6 ✓
30	2.5	2.5	2.5 ✓	30.0 ✓	a7	a8	a8 ✓
28?	3.0	2.0	2.5 ✓	30.0 ✓	a9	b8	b9 ✓
31	4.0	5.0	4.5 ✓	54.0 ✓	a6	b7	a7 ✓
33	2.5	2.0	2.5 ✓	30.0 ✓	b9	b9	b9 ✓
38	5.0	4.0	4.5 ✓	54.0 ✓	b7	a9	a8 ✓
39	3.0	3.0	3.0 ✓	36.0 ✓	b7	b8	b7 ✓

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A15879

	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean Orient.
H6	4.0	3.0	3.5	42.0	a8	a8	a8
286	2.0	2.0	2.0	24.0	a7	a8	a8
H5	2.5	2.0	2.0	24.0	b7	b8	b7
H9	2.0	2.0	2.0	24.0	a9	a9	a9
51	2.0	2.0	2.0	24.0	a9	a8	a8
52	2.0	1.5	2.0	24.0	b10	b9	b10
53	2.5	2.5	2.5	30.0	b9	b10	b10
54	2.5	2.0	2.0	24.0	a7	a7	a7
71	3.0	3.0	3.0	36.0	a6	b7	a6
72	2.5	2.5	2.5	30.0	b7	b8	b8
P0	4.0	3.0	3.5	42.0	b9	c9	c9
P5	3.5	2.5	3.0	36.0	a7	a8	a7
W3	3.5	3.5	3.5	42.0	a6	a6	a6
					Neb.?		
P1	2.0	2.5	2.0	24.0	a6	b5	a5 90°
P9	2.0	2.0	2.0	24.0	b10	b9	b10
					Neb?		

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	Diameter 1	2	Mean	"	Concen. & Form 1	2	Mean	Orient.
125	2.5	2.5	2.5	30.0	b9	b8	b8	
127	3.0	3.0	3.0	36.0	b6	b7	b6	
128	5.0	4.0	4.5	54.0	a5 Neb?	b6	b6	
129	2.5	2.5	2.5	30.0	b8	c8	b8	
141	3.0	3.0	3.0	36.0	b9	b8	b9	
146	4.0	3.5	3.5	42.0	b7 Neb?	b7	b7	
147	4.0	4.0	4.0	48.0	b7	b7	b7	
148	4.0	4.0	4.0	48.0	b7	b7	b7	
149	4.0	3.5	4.0	48.0	a7	a7	a7	
150	5.0	4.0	4.5	54.0	a6	b8	b7	
151	3.0	2.5	2.5	30.0	b6	c7	b7	
169	2.5	2.5	2.5	30.0	a8	b8	b8	
172	4.0	4.0	4.0	48.0	a6 Neb?	a7	a6	
171	3.5	3.5	3.5	42.0	a7	b8	a8	
174	4.0	4.0	4.0	48.0	a6 Neb?	a7	a6	

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A 15879

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean Uncert.	
177	4.5	4.0	4.5 ✓	54.0 ✓	b6	b7	b ✓ 7 ✓	
179	4.0	4.0	4.0 ✓	48.0 ✓	a7	a7	a ✓ 7 ✓	
180	4.5	3.5	4.0 ✓	48.0 ✓	a7	a7	a ✓ 7 ✓	
181	5.0	5.0	5.0 ✓	60.0 ✓	b7	b7	b ✓ 7 ✓	
182	4.0	3.5	3.5 ✓	42.0 ✓	b6	b7	b ✓ 6 ✓	
183	3.5	4.0	3.5 ✓	42.0 ✓	a6 Neb?	a8	a ✓ 7 ✓	
184	4.0	3.5	3.5 ✓	42.0 ✓	b7	b7	b ✓ 7 ✓	
185	3.0	4.0	3.5 ✓	42.0 ✓	b7	c7	c ✓ 7 ✓	
174	7.0	6.0	7.0 ✓	84.0 ✓	a6 Neb?	a5	a ✓ 5 ✓	145° ~~+25°~~
187	3.5	3.0	3.0 ✓	36.0 ✓	b6	c8	b ✓ 7 ✓	
191	3.0	4.0	3.5 ✓	42.0 ✓	b10	b9	b ✓ 10 ✓	
192	2.5	2.5	2.5 ✓	30.0 ✓	b8	b8	b ✓ 8 ✓	
131	2.5	2.5	2.5 ✓	30.0 ✓	b9	b9	b ✓ 9 ✓	
132	2.0	2.0	2.0 ✓	24.0 ✓	b8	b8	b ✓ 8 ✓	
133	2.5	2.0	2.5 ✓	30.0 ✓	b7	a8	a ✓ 8 ✓	

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RA 15879

	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Orient.
135	2.5	2.5	2.5 ✓	30.0 ✓	a7	b7	a7 ✓✓	
137	2.5	2.0	2.0 ✓	24.0 ✓	b9	c9	c9 ✓✓	
138	2.0	2.5	2.0 ✓	240 ✓	b7	b8	b7 ✓✓	
139	2.5	3.0	3.0 ✓	36.0 ✓	a9	a9	a9 ✓✓	
160	2.5	2.5	2.5 ✓	30.0 ✓	a7	a7	a7 ✓✓	
163	2.5	2.5	2.5 ✓	30.0 ✓	a8	a8	a8 ✓✓	
210	2.0	2.0	2.0 ✓	24.0 ✓	Neb? b9	b9	b9 ✓✓	
213	1.5	1.5	1.5 ✓	18.0 ✓	a10	b9	a9 ✓✓	
215	2.0	1.5	2.0 ✓	24.0 ✓	b7	b9	b8 ✓✓	
158	3.0	2.5	2.5 ✓	30.0 ✓	b8	b7	b8 ✓✓	
233	1.5	1.5	1.5 ✓	18.0 ✓	a10	b10	b10 ✓✓	
235	2.0	2.0	2.0 ✓	24.0 ✓	a7	a8	a8 ✓✓	
234	2.0	2.5	2.0 ✓	24.0 ✓	b9	a9	b9 ✓✓	
~~237~~	~~2.5~~	~~2.5~~	~~2.5~~ ✓	~~30.0~~ ✓	c10	c10	c10 ✓✓	
	used on RA HIF3							
112	2.0	1.5	1.5 ✓	18.0 ✓	b10	b9	b10 ✓✓	

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A15879

	Diameter				Concen. & Form		
	1	2	Mean	"	1	2	Mean Orient.
113	1.5	1.5	1.5	18.0	b9	a9	a9
115a	2.0	2.0	2.0	24.0	b8	b8	b8
115b	2.5	2.0	2.5	30.0	a8	a8	a8
					Double in contact		
116	2.0	2.0	2.0	24.0	a9	b9	a9
117	2.0	2.0	2.0	24.0	a10	a9	a9
118	2.0	2.0	2.0	24.0	a9	a8	a9
121	2.5	2.0	2.0	24.0	b7	a5	a6
239	1.5	1.5	1.5	18.0	b8	b8	b8
241	1.5	1.5	1.5	18.0	b9	b9	b9
246	1.0	1.0	1.0	12.0	a10	a8	a9
130	2.0	2.0	2.0	24.0	b.10	b10	b10
60	2.0	1.5	2.0	24.0	a8	a8	a8
62	1.5	1.5	1.5	18.0	a9	b9	a9
63	2.0	2.0	2.0	24.0	b9	b9	b9
64	3.0	2.5	2.5	30.0	a9	a9	a9
					Neb?		

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200 17 15879

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Remark
66	2.0	2.0	2.0 ✓	24.0 ✓	b8	b9	b9 ✓ ✓	
105	2.0	2.0	2.0 ✓	24.0 ✓	a10	a10	a10 ✓ ✓	
106	2.0	2.0	2.0 ✓	24.0 ✓	a9	a7	a8 ✓ ✓	
107	2.0	2.0	2.0 ✓	24.0 ✓	a8	b7	b8 ✓ ✓	
108	2.0	2.0	2.0 ✓	24.0 ✓	a9	a9	a9 ✓ ✓	
109	2.0	2.0	2.0 ✓	24.0 ✓	a7	a8	a8 ✓ ✓	
111	2.5	2.0	2.5 ✓	30.0 ✓	a9	a10	a9 ✓ ✓	
95	1.5	1.5	1.5 ✓	18.0 ✓	a9	b9	a9 ✓ ✓	
98	2.0	2.0	2.0 ✓	24.0 ✓	b7	c7	c7 ✓ ✓	
100	2.5	2.0	2.0 ✓	24.0 ✓	b9	b9	b9 ✓ ✓	
260	1.5	1.5	1.5 ✓	18.0 ✓	b8	b7	b8 ✓ ✓	
262	2.0	2.0	2.0 ✓	24.0 ✓	a8	~~a7~~ b9	a9 ✓ ✓	
263	2.0	1.5	2.0 ✓	24.0 ✓	a8	b8	b8 ✓ ✓	
264	2.0	1.5	1.5 ✓	18.0 ✓	a7	~~b9~~ a7	a7 ✓ ✓	
265	1.5	1.5	1.5 ✓	18.0 ✓	a8	a9	a8 ✓ ✓	

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A N°879

	Diameter				Concen. + Form		
	1	2	Mean	"	1	2	Mean Orient.
264	1.5	1.5	1.5	18.0	a7	a7	a a
269	1.5	1.5	1.5	18.0	a10	a10	a a
271	2.0	1.5	2.0	24.0	b9	b9	b b
273	1.5	1.5	1.5	18.0	a8	a8	a a
274	1.5	1.5	1.5	18.0	b10	b9	b b
275	1.5	1.0	1.0	12.0	b9	b9	b b
276	2.5	2.0	2.5	30.0	b7	b7	b b
277	1.0	1.0	1.0	12.0	b6	b7	b b
733	1.5	1.5	1.5	18.0	b9	b9	b b
735	1.0	1.5	1.5	18.0	a9	a9	a a
2F1	2.0	1.5	2.0	24.0	a8	a8	a a
2F2	1.5	1.5	1.5	18.0	b9	b9	b b
2F4	2.0	1.5	1.5	18.0	b8	c8	b b
291	1.5	2.0	1.5	18.0	b8	b9	b b
293	2.0	1.5	1.5	18.0	b8	b7	b b

Neb?

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	Diameter 1	2	Mean		Concen. & Form 1	2	Mean Chrmt.
302	2.0	1.5	2.0 ✓	24.0 ✓	a9	a9	a9 ✓
289	2.0	1.0	1.5 ✓	18.0 ✓	a8	a9	a 9 ✓ ✓
290	2.0	1.5	1.5 ✓	18.0 ✓	b9	b9	b9 ✓ ✓
296	1.5	1.5	1.5 ✓	18.0 ✓	a8	b8	b8 ✓ ✓
311	2.0	2.0	2.0 ✓	24.0 ✓	b9	b9	b9 ✓ ✓
313	1.0	1.5	1.0 ✓	12.0 ✓	a9	a10	a 9 ✓ ✓
314	2.5	1.5	2.0 ✓	24.0 ✓	a8	a9	a 9 ✓ ✓
315	2.0	1.5	1.5 ✓	18.0 ✓	a9	a9	a9 ✓ ✓
329	1.5	1.0	1.5 ✓	18.0 ✓	a9	a8	a 9 ✓ ✓
330	1.5	1.5	1.5 ✓	18.0 ✓	a9	a10	a 10 ✓ ✓
333	2.5	2.0	2.5 ✓	30.0 ✓	b7	b8	b 7 ✓ ✓
338	2.0	2.0	2.0 ✓	24.0 ✓	b9	b9	b9 ✓ ✓
339	2.0	1.0	1.5 ✓	18.0 ✓	b8	b8	b8 ✓ ✓
344	2.0	2.0	2.0 ✓	24.0 ✓	b8	b8	b8 ✓ ✓
345	1.5	1.0	1.5 ✓	18.0 ✓	b8	b9	b 9 ✓ ✓

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A 15879

	Diameter 1	2	Mean		Concen. & Large 1	2	Mean Quant.
317	1.5	1.5	1.5	18.0	b10	a8	b9
319	1.5	1.5	1.5	18.0	b9	a9	a9
321	1.0	1.0	1.0	12.0	b9	b9	b9
323	1.0	1.0	1.0	12.0	b10	b10	b10
324	2.0	2.0	2.0	24.0	a8	b8	b8
325	1.5	1.5	1.5	18.0	a10	a10	a10
327	2.5	2.0	2.5	30.0	b7	a8	a7
328	2.0	1.5	1.5	18.0	a8	a9	a9
349	1.5	2.0	1.5	18.0	b8	b9	b8
350	1.5	2.0	2.0	24.0	a7	b8	a8
351	1.0	2.0	1.5	18.0	b9	a9	a9
353	1.5	1.5	1.5	18.0	b10	b10	b10
599	1.0	1.5	1.0	12.0	a10	a10	a10
602	1.5	1.5	1.5	18.0	a9	a9	a9
11	2.0	2.5	2.5	30.0	a9	b8	a9

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1930phae.proj.2342M

 H 15879

	Diameter				Concen. + Form			
	1	2	Mean		1	2	Mean Uncert.	
15	2.5	2.5	2.5	30.0	a10	a8	a9	
336	2.0	2.0	2.0	24.0	b9	c9	c9	
337	2.0	2.0	2.0	24.0	a9	b9	a9	
342	1.5	2.0	1.5	18.0	a7	a8	a7	
345	2.5	1.5	2.0	24.0	b9	b9	b9	
346	1.5	2.0	2.0	24.0	a9	b9	b9	
372	2.5	2.5	2.5	30.0	b8	b7	b7	
358	2.0	2.0	2.0	24.0	b8	b8	b8	
360	2.0	2.0	2.0	24.0	a7 ~~a9~~	a7 ~~b8~~	a7 ~~a9~~	
361	2.0	2.0	2.0	24.0	b5	b5	b5	40°
362	2.0	1.5	2.0	24.0	a10	a9	a9	
363	2.0	2.0	2.0	24.0	a9	b8	a8	
364	2.0	1.5	1.5	18.0	a8	a8	a8	
365	1.5	2.0	1.5	18.0	a9	a10	a9	
367	2.0	1.5	1.5	18.0	b8	b8	b8	
368	1.5	1.5	1.5	18.0	a9	a9	a9	
369	2.0	2.5	2.0	24.0	a8	a8	a8	

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A 1058 79

	Diameter 1	2	Mean		Concen. & Form 1	2	Mean Orient.
376	2.5	2.0	2.0	24.0	b10	b8	b9
371	2.5	2.5	2.5	30.0	a7	a7	a7
376	2.0	2.0	2.0	24.0	b8	b7	b7
377	2.0	2.0	2.0	24.0	b8	b7	b8
~~390~~	~~2.0~~	~~2.0~~	~~2.0~~	~~24.0~~	~~a10~~	~~a9~~	~~a9~~
	injected						
391	2.0	3.0	2.5	30.0	a8	a7	a8
392	1.5	1.5	1.5	18.0	a10	b9	b9
393	2.0	2.0	2.0	24.0	a7	a8	a7
394	1.5	2.0	1.5	18.0	a9	a9	a9
395	2.0	1.5	1.5	18.0	a9	b9	a9
538	2.5	2.5	2.5	30.0	a5	a6	a6
544	2.0	1.5	2.0	24.0	a9	a10	a9
545	1.0	1.5	1.5	18.0	a8	b9	b9
546	2.5	1.5	2.0	24.0	b9	b10	b9
547	1.5	2.0	1.5	18.0	b10	b9	b9

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1930phae.proj.23422M

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Orients
548	1.5	1.5	1.5	18.0	b9	b9	b9	
549	2.0	1.5	1.5	18.0	a9	a7	a8	
550	2.0	3.0	2.5	30.0	a10	a10	a10	
552	1.5	1.0	1.5	18.0	a10	a10	a10	
553	1.5	1.0	1.0	12.0	b8	b9	b8	
554	1.5	1.0	1.5	18.0	a8	a9	a9	
555	2.5	2.0	2.0	24.0	a7	a8	a7	
556	2.0	1.5	2.0	24.0	b9	b9	b9	
571	2.0	2.0	2.0	24.0	a5	a5	a5	10°
595	1.5	1.5	1.5	18.0	a9	a7	a8	
596	1.5	1.5	1.5	18.0	a9	b9	a9	
603	1.5	1.5	1.5	18.0	a8	a7	a7	
605	1.5	2.0	2.0	24.0	a8	a8	a8	
631	1.5	1.5	1.5	18.0	b9	b8	b9	
632	1.5	1.5	1.5	18.0	a9	a9	a9	

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1930phae.proj.23421

A15879

	Diameter 1	Diameter 2	Diameter Mean	..	Concen. + Form 1	Concen. + Form 2	Concen. + Form Mean Chrint.
610	1.5	1.5	1.5	18.0	b9	b9	b9
612	1.5	1.0	1.5	18.0	a7	a8	a8
614	1.5	1.5	1.5	18.0	a9	b9	b9
615	1.5	1.0	1.0	12.0	a9	b9	a9
616	1.0	1.5	1.0	12.0	a7	a8	a7
	nebula?						
617	classified on H4103						
618	1.5	1.5	1.5	18.0	a7	a6	a6
619	1.5	1.5	1.5	18.0	a8	a9	a8
620	1.0	1.0	1.0	12.0	a9	a10	a10
624	1.5	1.0	1.0	12.0	a10	a9	a10
725	1.5	1.5	1.5	18.0	a8	a8	a8
727	1.5	1.5	1.5	18.0	b8	c7	c7
728	2.0	2.0	2.0	24.0	ib9	ib8	ib9
729	1.0	1.0	1.0	12.0	b9	b9	b9
731	1.5	1.5	1.5	18.0	a8	a8	a8

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1930phae.proj.23422M

	Diameter 1	2	Mean		Concen. + Form 1	2	Mean	Orient.
736	1.5	1.5	1.5	18.0	a9	a9	a9	
	nebula?							
738	1.0	1.5	1.0	12.0	a9	a9	a9	
739	3.0	2.0	2.5	30.0	a5	a6	a6	
740	2.0	2.0	2.0	24.0	a8	a7	a8	
745	1.0	1.5	1.5	18.0	a8	a8	a8	
746	1.5	1.5	1.5	18.0	b9	b9	b9	
747	1.5	1.5	1.5	18.0	b9	b8	b8	
748	1.5	2.0	1.5	18.0	a8	a8	a8	
749	1.0	1.0	1.0	12.0	a10	a10	a10	
749	1.0	1.5	1.5	18.0	b9	b9	b9	
754	1.5	1.0	1.5	18.0	a8	a10	a9	
752	1.0	1.5	1.0	18.0	a10	a10	a10	
750	1.0	1.0	1.0	12.0	b10	b8	b9	
753	1.5	1.5	1.5	18.0	b9	b9	b9	
755	1.0	1.5	1.0	12.0	a8	a10	a9	

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1930phae.proj.2342M

H 10879

	Diameter				Concen. & Form		
	1	2	Mean	"	1	2	Mean Quant.
790	1.0	1.5	1.5	18.0	a8	a10	a9
	nebula?						
791	1.0	1.0	1.0	12.0	a10	a10	a10
	nebula?						
792	1.0	1.5	1.0	12.0	b9	b8	b9
800	1.0	1.5	1.5	18.0	b10	b9	b9
801	1.0	1.5	1.0	12.0	a9	b9	a9
802	1.0	1.0	1.0	12.0	b10	b10	b10
806	1.0	1.5	1.5	18.0	a8	b10	b9
808	1.0	1.5	1.0	12.0	a7	a9	a8
809	1.5	1.0	1.0	12.0	a9	a10	a9
816	2.0	2.0	2.0	24.0	b7	b8	b8
817	1.0	1.0	1.0	12.0	a9	a9	a9
813	1.0	1.0	1.0	12.0	a8	a9	a8
814	2.0	2.0	2.0	24.0	b6	b7	b7
815	2.0	1.0	1.5	18.0	b9	b8	b9
25-5	1.5	2.5	2.0	24.0	a8	a9	a9

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1930phae.proj.23422

15879

	Diameter 1	2	Mean		Concen. & Form 1	2	Mean	Uncert.
256	1.0	2.0	1.5	18.0	a9	a10	a9	
	nebula?							
257	1.5	1.5	1.5	18.0	b8	b9	b9	
259	1.5	1.5	1.5	18.0	a9	a9	a9	
224	3.0	2.0	2.5	30.0	b5	b5	b5	40°
225	1.0	1.0	1.0	12.0	b9	b9	b9	
226	1.0	1.5	1.0	12.0	a9	a9	a9	
227	1.0	1.5	1.5	18.0	a9	a8	a9	
232	1.5	1.5	1.5	18.0	b8	b8	b8	
247	1.5	1.5	1.5	18.0	b7	c7	b7	
249	1.0	1.5	1.0	12.0	b9	b8	b8	
251	1.5	1.5	1.5	18.0	b8	a9	a8	
252	1.0	1.5	1.5	18.0	a10	b9	a9	
253	2.0	2.0	2.0	24.0	b10	c8	c9	
223	1.5	1.0	1.5	18.0	b9	b9	b9	
221	1.5	1.5	1.5	18.0	a10	a8	a9	

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1936phae.proj.23421

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	Diameter 1	2	Mean		Concen. + Form 1	2	Mean Chrmk.
220	1.0	1.0	1.0	12.0	b10	b8	b9
217	1.0	1.5	1.5	18.0	a9	a10	a9
216	1.5	1.5	1.5	18.0	a10	a10	a10
209	1.5	1.5	1.5	18.0	b9	b9	b9
208	1.5	1.5	1.5	18.0	b9	b9	b9
206	2.0	1.0	1.5	18.0	b7	b8	b8
205	1.5	1.0	1.5	18.0	b8	b10	b9
204	2.0	1.5	1.5	18.0	a9	a10	a9
203	2.0	1.5	2.0	24.0	a9	a10	a10
202	2.0	1.5	1.5	18.0	a10	a10	a10
	nebula?						
200	2.0	2.5	2.0	24.0	b9	a9	b9
199	2.0	2.0	2.0	24.0	a9	a10	a9
198	1.5	1.5	1.5	18.0	a9	a10	a10
197	2.0	1.5	1.5	18.0	a8	a9	a8
196	2.0	1.5	2.0	24.0	b8	b8	b8

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1930phae.proj.23421

A1584 79

	Diameter				Concen. & Form			
	1	2	Mean	..	1	2	Mean	Unimb.
195	2.0	1.5	1.5	18.0	a7	b7	b7	
194	1.5	1.5	1.5	18.0	b8	c8	b8	
P25	1.5	1.0	1.0	18.0	a10	b9	b9	
P26	1.5	1.0	1.0	12.0	a9	b10	a9	
P27	2.0	1.0	1.5	18.0	b10	b9	b9	
P28	1.5	2.0	1.5	18.0	a10	a9	a10	
P29	1.5	1.5	1.5	18.0	b10	b9	b9	
P30	1.5	1.5	1.5	18.0	a7	a8	a7	
~~P31~~	defect							
P33	1.5	1.5	1.5	18.0	b9	b10	b10	
P34	1.0	1.0	1.0	12.0	b9	a8	a9	
PH3	1.5	1.0	1.0	12.0	b10	b8	b9	
PH4	1.5	2.0	1.5	18.0	a10	a9	a9	
P52	1.5	1.5	1.5	18.0	b10	c9	b10	
P53	1.5	1.0	1.0	12.0	b10	b10	b10	

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1930phae.proj.23421

A1581.79

	Diameter				Concen. & Form			
	1	2	Mean	..	1	2	Mean	Discrept.
P55	1.5	1.5	1.5	18.0	a9	a10	a10	
P57	1.0	1.0	1.5	18.0	a8	b8	b8	
P58	1.0	1.5	1.0	12.0	a10	a9	a10	
P75	2.0	1.5	1.5	18.0	a10	a9	a9	
P50	1.5	1.5	1.5	18.0	a9	a8	a9	
P49	~~1.0~~ 1.5	1.0	1.0	12.0	a8	a8	a8	
P48	1.0	1.0	1.0	12.0	b10	b10	b10	
P46	1.0	1.0	1.0	12.0	a10	b10	a10	
P41	1.5	1.5	1.5	18.0	b7	b9	b8	
	nebula ?							
906	2.0	2.0	2.0	24.0	a9	a10	a10	
P36	1.0	1.0	1.0	12.0	b9	b10	b9	
P37	2.0	1.0	~~2.0~~ 1.5	18.0	a8	a9	a9	
P38	1.5	1.5	1.5	18.0	a8	a9	a8	
922	2.0	1.0	1.5	18.0	b9	a10	b10	
923	1.5	1.5	1.5	18.0	a8	c9	b8	

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1930phae.proj.23422

214 9158[illegible]

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Orient.
924	1.5	1.5	1.5	18.0	a10	a10	a10	
925	2.0	1.5	1.5	18.0	a9	a10	a10	
926	1.5	1.0	1.5	18.0	a10	a8	a9	
927	2.0	2.0	2.0	24.0	a7	a8	a7	
929	2.0	1.5	1.5	18.0	b6	b7	b7	
930	1.0	1.0	1.0	12.0	b9	a8	a9	
919	1.5	1.0	1.5	18.0	a9	b10	a10	
775	1.0	1.0	1.0	12.0	b10	b10	b10	
777	2.0	1.5	1.5	18.0	a9	a8	a9	
778	2.0	2.0	2.0	24.0	d7	c8	c6	
793	2.0	2.0	2.0	24.0	a8	a8	a8	
798	2.0	2.0	2.0	24.0	a7	b8	a7	
799	1.0	1.0	1.0	12.0	a10	b10	b10	
742	1.5	1.5	1.5	18.0	b8	a7	b7	
743	1.0	1.5	1.5	18.0	b9	b9	b9	

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1930phae.proj.23420

A 15872

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Unsat.
746	1.0	2.0	1.5	18.0	a7	a6	a7	
748	1.0	1.0	1.0	12.0	b8	b9	b9	
750	1.0	1.5	1.0	12.0	a8	a8	a8	
751	1.0	1.0	1.0	12.0	b10	b10	b10	
752	1.0	1.5	1.5	18.0	a9	b9	b9	
753	1.0	1.0	1.0	12.0	a10	a8	a9	
754	1.5	1.5	1.5	18.0	a8	a8	a8	
717	1.0	1.5	1.0	12.0	a10	b9	a10	
718	1.0	1.5	1.5	18.0	a10	a10	a10	
719	1.0	1.0	1.0	12.0	b10	b10	b10	
720	1.0	1.5	1.0	12.0	a9	b9	b9	
726	1.0	1.5	1.5	18.0	b8	b8	b8	
755	1.0	1.0	1.0	12.0	b9	a10	b10	
804	1.0	1.5	1.0	12.0	a10	a10	a10	
805	2.0	2.0	2.0	24.0	b7	b9	b8	

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1930phae.proj.2342m

216 A 15879

	Diameter 1	2	Mean	"	Concen. + Form 1	2	Mean	Remk.
818	1.5	1.5	1.5	18.0	b10	b8	b9	
819	1.5	1.5	1.5	18.0	a9	b8	b9	
820	1.5	1.5	1.5	18.0	a9	a8	a8	
821	1.5	2.0	2.0	24.0	a9	b7	a8	
822	1.5	1.5	1.5	18.0	a9	a8	a9	
823	1.5	1.0	1.5	18.0	a10	b8	b9	
	nebula?							
824	1.5	1.0	1.0	12.0	a9	b7	a8	
757	1.5	1.5	1.5	18.0	b10	b9	b9	
758	1.5	1.5	1.5	18.0	a9	b8	b9	
759	1.5	1.5	1.5	18.0	a10	a8	a9	
760	1.0	1.0	1.0	12.0	a10	a10	a10	
	nebula?							
762	1.0	1.0	1.0	12.0	a10	b8	a9	
763	1.0	1.0	1.0	12.0	a9	a9	a9	
764	1.0	1.0	1.0	12.0	b10	b8	b9	
765	1.5	1.5	1.5	18.0	b9	b10	b10	

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1930phec.proj.22420

A 15-879

	Diameter				Concen. + Form			
	1	2	Mean	"	1	2	Mean	Chiml.
767	1.0	1.0	1.0	12.0	a 9	b8	b 9	
	nebula?							
769	1.0	1.0	1.0	12.0	a 10	b10	a 10	
770	1.0	1.0	1.0	12.0	b 9	b8	b 8	
771	1.5	2.0	2.0	24.0	a 10	a9	a 10	
	nebula?							
772	1.5	1.0	1.5	18.0	b 10	a8	a 9	
774	1.0	1.0	1.5	18.0	a 9	a10	a 10	
933	1.0	1.0	1.5	18.0	a 10	a10	a 10	
	nebula?							
711	2.0	2.0	2.0	24.0	a 7	a7	a 7	
712	1.5	1.0	1.5	18.0	a 8	a8	a 8	
713	1.0	1.0	1.5	18.0	a 6	a7	a 6	
714	2.0	1.0	2.0	24.0	a 6	a7	a 7	
700	2.0	1.0	1.5	18.0	b 7	b9	b 8	
602	1.0	1.0	1.5	18.0	a 10	a9	a 10	
605	1.0	1.0	1.0	12.0	a 10	a10	a 10	
6R3	1.0	1.0	1.0	12.0	b 10	a9	b 9	

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1930phae.proj.23421

A 15879

	Diameter				Concen. & Form			
	1	2	Mean	"	1	2	Mean	Orient.
684	1.5	1.5	1.5 ✓	18.0 ✓	a 9	a 9	a 9 ✓ ✓	
	nebula?							
685	1.0	1.5	1.0 ✓	12.0 ✓	b 10	b 8	b 9 ✓ ✓	
686	2.0	3.0	2.5 ✓	30.0 ✓	a 7	b 6	b 7 ✓ ✓	
687	1.5	1.5	1.5 ✓	18.0 ✓	a 8	b 7	a 7 ✓ ✓	
688	1.0	1.5	1.5 ✓	18.0 ✓	a 10	a 9	a 10 ✓ ✓	
690	1.0	1.0	1.0 ✓	12.0 ✓	b 9	b 9	b 9 ✓ ✓	
	nebula?							
692	1.0	1.5	1.0 ✓	12.0 ✓	b 9	a 9	a 9 ✓ ✓	
694	1.0	1.5	1.5 ✓	18.0 ✓	b 10	b 8	b 9 ✓ ✓	
696	1.5	1.5	1.5 ✓	18.0 ✓	a 10	a 8	a 9 ✓ ✓	
697	1.5	1.5	1.5 ✓	18.0 ✓	a 10	a 8	a 9 ✓ ✓	
1239	1.0	1.5	1.0 ✓	12.0 ✓	b 10	b 10	b 10 ✓ ✓	
1240a	1.5	1.0	1.0 ✓	12.0 ✓	b 9	a 9	b 9 ✓ ✓	
	nebula?							
1240b	1.0	1.0	1.0 ✓	12.0 ✓	a 9	b 8	b 8 ✓ ✓	
	nebula?							
626	1.0	1.0	1.0 ✓	12.0 ✓	a 9	a 8	a 9 ✓ ✓	
627	1.0	1.0	1.0 ✓	12.0 ✓	b 9	b 8	b 8 ✓ ✓	

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nrao.phoe.proj.22220

A 15879

	Diameter				Concen. & Form		
	1	2	Mean	"	1	2	Mean Orient.
628	1.0	1.5	1.0	12.0	a9	a9	a9
630	1.0	1.0	1.0	12.0	b8	b10	b9
633	1.5	1.5	1.5	18.0	b8	c9	b8
634	1.0	1.0	1.0	12.0	b9	b9	b9
646	1.0	1.0	1.0	12.0	b10	b9	b9
648	1.5	1.5	1.5	18.0	b9	b9	b9
649	4.0	4.5	4.5	54.0	a7	a7	a7
	nebula: faint surface brightness						
651	1.0	1.0	1.0	12.0	a10	a9	a10
512	1.0	1.0	1.0	12.0	b10	b9	b9
513	1.5	1.5	1.5	18.0	a9	b8	b9
591	1.5	1.5	1.5	18.0	b7	b7	b7
593	1.5	1.5	1.5	18.0	b9	b10	b10
636	1.0	1.0	1.0	12.0	b10	b9	b10
637	1.5	1.0	1.5	18.0	b10	b8	b9
638	1.5	2.0	2.0	24.0	a8	a8	a8

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1930phae.proj.2342m

220 A15879

	Diameter				Concen. & Form			
	1	2	Mean		1	2	Mean	Orient.
639	1.5	1.5	1.5	18.0	c9	c9	c9	
644	1.0	1.5	1.0	12.0	a10	b10	a10	
645	1.5	1.5	1.5	18.0	b10	c8	c9	
654	1.5	2.0	2.0	24.0	a10	a8	a9	
497	1.0	1.0	1.0	12.0	a10	a9	a9	
498	1.5	1.5	1.5	18.0	a10	a8	a9	
499	1.5	1.0	1.5	18.0	a9	a9	a9	
500	2.0	2.0	2.0	24.0	a8	b8	a8	
501	2.0	2.0	2.0	24.0	a8	b8	b8	
502	2.0	1.0	1.5	18.0	a7	a6	a7	
505	1.5	1.0	1.5	18.0	a9	a9	a9	
494	1.5	1.0	1.0	12.0	b8	b8	b8	
495	1.0	2.0	1.5	18.0	b9	b9	b9	
656	1.0	2.0	1.5	18.0	a8	a9	a8	
657	3.0	3.0	3.0	36.0	a5	b5	a5	90°

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1930phae.proj.2342M

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1930phae.proj.2422M

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1930phae.proj.2342M

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