

## Dunlop 100

Following in the footsteps of Charles Messier, James Dunlop of Scotland compiled the first catalog of deep sky objects visible in the Southern Hemisphere. Working at Parramatta Observatory in Australia, the first permanent observatory in the Southern Hemisphere, he discovered 629 galaxies, nebulae and star clusters from April 27 to November 24, 1826 using a homemade speculum-metal telescope equivalent to a modern 6-inch reflector. Although this catalog lay forgotten for over a century, Glen Cozens and Graeme White of Australia took up the challenge of resurrecting Dunlop's list. They were able to recover and identify over 300 of the objects. The remainder were faint double and multiple stars that Dunlop misidentified due to the limited resolution of his telescope. In the June 2001 issue of *Sky and Telescope*, Cozens and White published an article describing their work and included a list of the 100 best objects from Dunlop's list - the Dunlop 100.

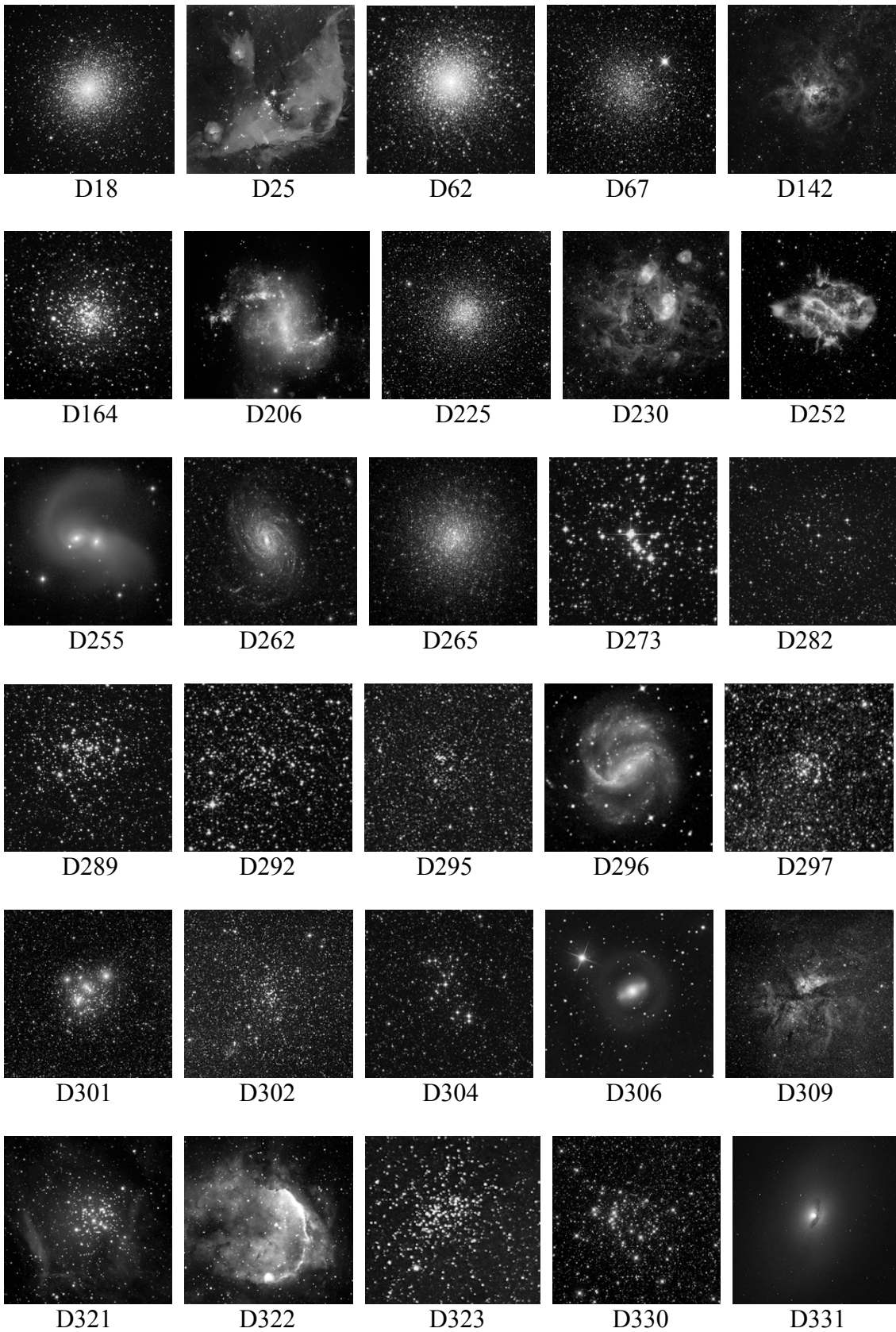


PN: planetary nebula      SG: spiral galaxy      IG: irregular galaxy  
 BN: bright nebula        EG: elliptical galaxy    OC: open cluster  
 DN: dark nebula            GC: globular cluster

D	NGC/IC...	Type	Const	RA	Dec	Mag
18	104	GC	Tuc	00h 24.1m	-72° 05'	4.0
25	346	BN	Tuc	00h 59.1m	-72° 11'	10.3
62	362	GC	Tuc	01h 03.2m	-70° 51'	6.8
67	4372	GC	Mus	12h 25.8m	-72° 39'	7.2
142	2070	BN	Dor	05h 38.7m	-69° 06'	-
164	4833	GC	Mus	12h 59.6m	-70° 53'	8.4
206	1313	SG	Ret	03h 18.3m	-66° 30'	8.7
225	6362	GC	Ara	17h 31.9m	-67° 03'	8.1
230	1763	BN	Dor	04h 56.8m	-66° 24'	-
252	5189	PN	Mus	13h 33.5m	-65° 59'	10.3
255	IC5250	SG	Tuc	22h 47.3m	-65° 03'	11.1
262	6744	SG	Pav	19h 09.8m	-63° 51'	8.3
265	2808	GC	Car	09h 12.0m	-64° 52'	6.2
273	5281	OC	Cen	13h 46.6m	-62° 54'	5.9
282	5316	OC	Cen	13h 53.9m	-61° 52'	6.0
289	3766	OC	Cen	11h 36.1m	-61° 37'	5.3
292	4349	OC	Cru	12h 24.5m	-61° 54'	7.4
295	6752	GC	Pav	19h 10.9m	-59° 59'	5.4
296	1672	SG	Dor	04h 45.7m	-59° 15'	9.7
297	3114	OC	Car	10h 02.7m	-60° 07'	4.2
301	4755	OC	Cru	12h 53.6m	-60° 20'	4.2
302	5617	OC	Cen	14h 29.8m	-60° 43'	6.3

D	NGC/IC...	Type	Const	RA	Dec	Mag
304	6025	OC	TrA	16h 03.7m	-60° 30'	5.1
306	1543	SG	Ret	04h 12.8m	-57° 44'	10.6
309	3372	BN	Car	10h 43.8m	-59° 52'	6.2
321	3293	OC	Car	10h 35.8m	-58° 14'	4.7
322	3324	BN	Car	10h 37.7m	-58° 40'	7.7
323	3532	OC	Car	11h 06.4m	-58° 40'	3.0
330	IC2488	OC	Vel	09h 27.6m	-56° 59'	7.4
331	1553	SG	Dor	04h 16.2m	-55° 47'	9.5
335	6087	OC	Nor	16h 18.9m	-57° 54'	5.4
337	1261	GC	Hor	03h 12.3m	-55° 13'	8.3
338	1566	SG	Dor	04h 20.0m	-54° 56'	9.4
339	1617	SG	Dor	04h 31.7m	-54° 36'	10.4
342	5662	OC	Cen	14h 35.2m	-56° 33'	5.5
348	1515	SG	Dor	04h 04.1m	-54° 06'	11.0
360	6067	OC	Nor	16h 13.2m	-54° 13'	5.6
366	6397	GC	Ara	17h 40.7m	-53° 40'	5.7
386	3228	OC	Vel	10h 21.8m	-51° 43'	6.0
388	5286	GC	Cen	13h 46.4m	-51° 22'	7.6
410	2547	OC	Vel	08h 10.7m	-49° 16'	4.7
411	4945	SG	Cen	13h 05.4m	-49° 28'	8.6
413	6193	OC	Ara	16h 41.3m	-48° 46'	5.2
426	1433	SG	Hor	03h 42.0m	-47° 13'	10.0
431	5460	OC	Cen	14h 07.6m	-48° 19'	5.6
437	IC1633	EG	Phe	01h 09.9m	-45° 56'	11.6
440	5139	GC	Cen	13h 26.8m	-47° 29'	3.7
445	3201	GC	Vel	10h 17.6m	-46° 25'	6.8
447	5882	PN	Lup	15h 16.8m	-45° 39'	9.5
457	6388	GC	Sco	17h 36.3m	-44° 44'	6.8
466	1512	SG	Hor	04h 03.9m	-43° 21'	10.6
469	5643	SG	Lup	14h 32.7m	-44° 10'	10.0
472	6322	OC	Sco	17h 18.5m	-42° 57'	6.0
473	6541	GC	CrA	18h 08.0m	-43° 42'	6.3
475	7552	SG	Gru	23h 16.2m	-42° 35'	10.7
476	7582	SG	Gru	23h 18.4m	-42° 22'	10.6
477(1)	7590	SG	Gru	23h 18.9m	-42° 15'	11.5
477(2)	7599	SG	Gru	23h 19.3m	-42° 15'	11.4
482	5128	EG	Cen	13h 25.5m	-43° 01'	7.0
487	1291	SG	Eri	03h 17.3m	-41° 08'	8.5
490	Tr10	OC	Vel	08h 47.8m	-42° 29'	4.6
499	6231	OC	Sco	16h 54.0m	-41° 48'	2.6
507	55	SG	Scl	00h 14.9m	-39° 11'	7.9
508	1851	GC	Col	05h 14.1m	-40° 03'	7.3
510	4696	EG	Cen	12h 48.8m	-41° 19'	10.4
514	6124	OC	Sco	16h 25.6m	-40° 40'	5.8

D	NGC/IC...	Type	Const	RA	Dec	Mag
518	7410	SG	Gru	22h 55.0m	-39° 40'	10.4
520	6242	OC	Sco	16h 55.6m	-39° 30'	6.4
530	300	SG	Scl	00h 54.9m	-37° 41'	8.1
531	1792	SG	Col	05h 05.2m	-37° 59'	10.9
535	2477	OC	Pup	07h 52.3m	-38° 33'	5.8
546	IC5332	SG	Scl	23h 34.5m	-36° 06'	10.6
548	1316	SG	For	03h 22.7m	-37° 12'	8.9
549	1808	SG	Col	05h 07.7m	-37° 31'	9.9
552	5986	GC	Lup	15h 46.1m	-37° 47'	7.6
556	6281	OC	Sco	17h 04.8m	-37° 54'	5.4
557	6441	GC	Sco	17h 50.2m	-37° 03'	7.2
559	Be157	DN	CrA	19h 02.9m	-37° 08'	-
562	1365	SG	For	03h 33.6m	-36° 08'	9.5
563	2546	OC	Pup	08h 12.4m	-37° 38'	6.3
564	2818	PN	Pyx	09h 16.0m	-36° 38'	11.8
573	6723	GC	Sgr	18h 59.6m	-36° 38'	6.8
574	1380	SG	For	03h 36.5m	-34° 59'	9.9
578	2298	GC	Pup	06h 49.0m	-36° 00'	9.3
591	1350	SG	For	03h 31.1m	-33° 38'	10.5
599	134	SG	Scl	00h 30.4m	-33° 15'	10.1
600	1532	SG	Eri	04h 12.1m	-32° 52'	9.9
606	6563	PN	Sgr	18h 12.0m	-33° 52'	13.8
608	7793	SG	Scl	23h 57.8m	-32° 35'	9.1
612	6416	OC	Sco	17h 44.4m	-32° 21'	5.7
613	6637	GC	Sgr	18h 31.4m	-32° 21'	7.7
614	6681	GC	Sgr	18h 43.2m	-32° 18'	7.8
617	3621	SG	Hya	11h 18.3m	-32° 49'	9.7
620	6809	GC	Sgr	19h 40.0m	-30° 58'	6.3
622	2997	SG	Ant	09h 45.6m	-31° IV	9.4
623	5253	IG	Cen	13h 39.9m	-31° 39'	10.6
624	6715	GC	Sgr	18h 55.1m	-30° 29'	7.7
626	2489	OC	Pup	07h 56.2m	-30° 04'	7.9
627	6266	GC	Oph	17h 01.2m	-30° 07'	6.4
628	5236	SG	Hya	13h 37.0m	-29° 52'	7.5





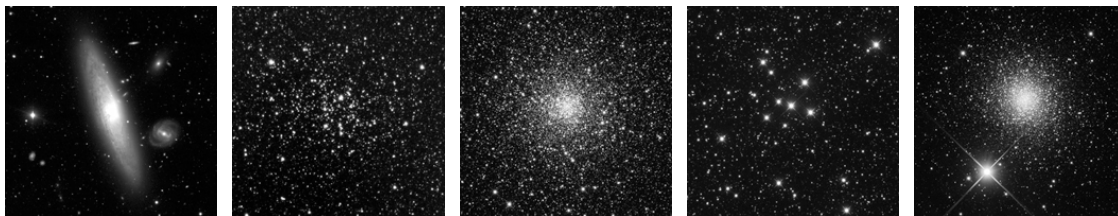
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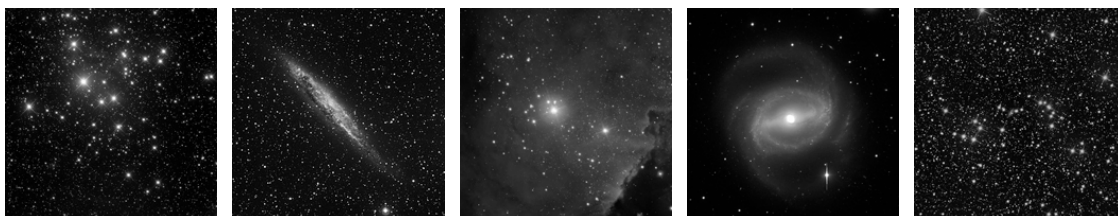
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D386

D388



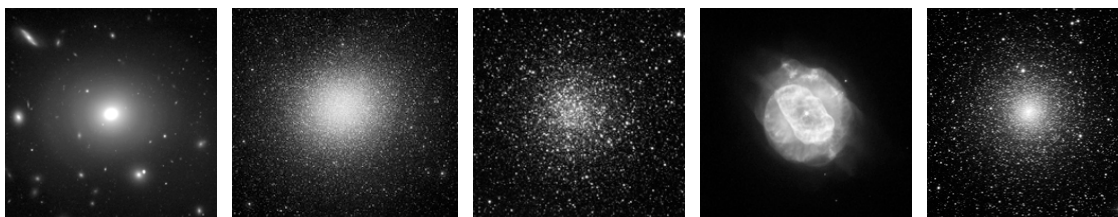
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D426

D431



D437

D440

D445

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D457



D466

D469

D472

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D475



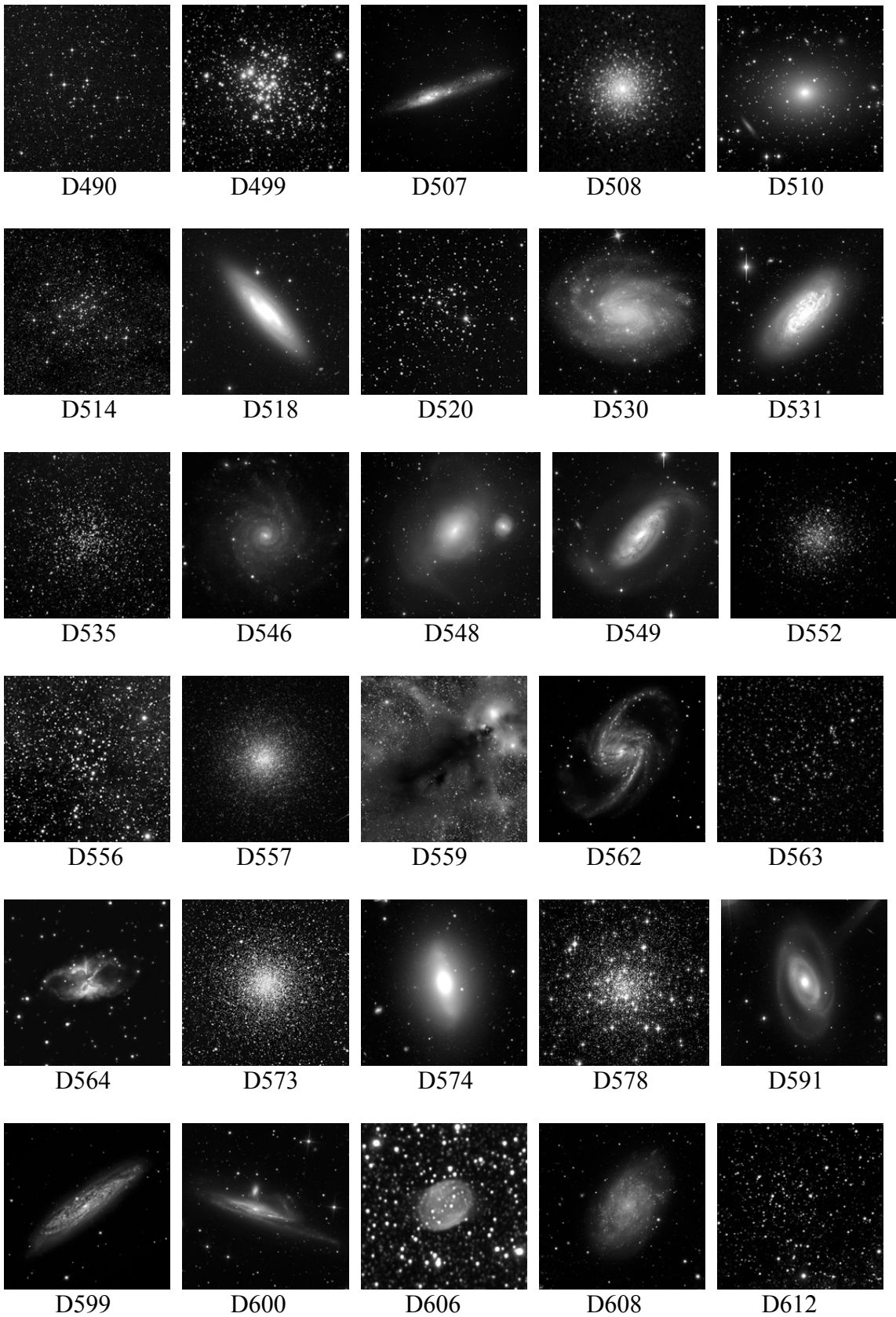
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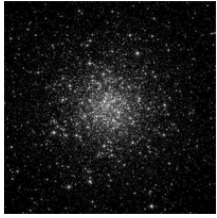
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D477(2)

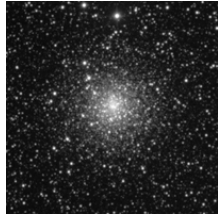
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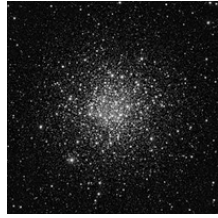
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D614



D617



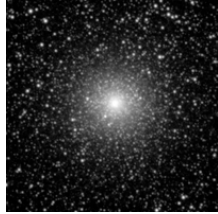
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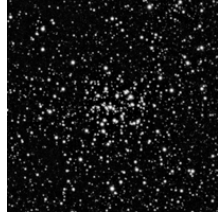
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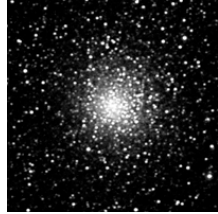
D623



D624



D626



D627



D628

## Dunlop 100 Observing Log

D	Date	D	Date	D	Date
18		348		535	
25		360		546	
62		366		548	
67		386		549	
142		388		552	
164		410		556	
206		411		557	
225		413		559	
230		426		562	
252		431		563	
255		437		564	
262		440		573	
265		445		574	
273		447		578	
282		457		591	
289		466		599	
292		469		600	
295		472		606	
296		473		608	
297		475		612	
301		476		613	
302		477		614	
304		477		617	
306		482		620	
309		487		622	
321		490		623	
322		499		624	
323		507		626	
330		508		627	
331		510		628	
335		514			
337		518			
338		520			
339		530			
342		531			