

# A complete catalog of all 150 globular clusters in the Milky Way

Special Edition, by Manos Tsikalas



## What exactly is a globular cluster?

A globular cluster is a spherical collection of stars that orbits a galactic core as a satellite. Globular clusters are very tightly bound by gravity, which gives them their spherical shapes and relatively high stellar densities toward their centers. The name of this category of star cluster is derived from the Latin *globules* — a small sphere. A globular cluster is sometimes known more simply as a *globular*.

Globular clusters, which are found in the halo of a galaxy, contain considerably more stars and are much older than the less dense galactic, or open clusters, which are found in the disk. Globular clusters are fairly common; there are about 158 currently known globular clusters in the Milky Way, with perhaps 10 to 20 more still undiscovered. Large galaxies can have more: Andromeda, for instance, may have as many as 500. Some giant elliptical galaxies, such as M87, may have as many as 10,000 globular clusters. These globular clusters orbit the galaxy out to large radii, 40 kiloparsecs (approximately 131,000 light-years) or more.

Every galaxy of sufficient mass in the Local Group has an associated group of globular clusters, and almost every large galaxy surveyed has been found to possess a system of globular clusters. The Sagittarius Dwarf and Canis Major Dwarf galaxies appear to be in the process of donating their associated globular clusters (such as Palomar 12) to the Milky Way. This demonstrates how many of this galaxy's globular clusters were acquired in the past.

Although it appears that globular clusters contain some of the first stars to be produced in the galaxy, their origins and their role in galactic evolution are still unclear. It does appear clear that globular clusters are significantly different from dwarf elliptical galaxies and were formed as part of the star formation of the parent galaxy rather than as a separate galaxy. However, recent conjectures by astronomers suggest that globular clusters and dwarf spheroidals may not be clearly separate and distinct types of objects.

## Images

are inverted DSS images (red plates), the big ones measure 34' by 34' and the small 6' by 6'.

CATALOG OF PARAMETERS FOR MILKY WAY GLOBULAR  
CLUSTERS:  
THE DATABASE

Compiled by William E. Harris, McMaster University

This revision: February 2003

This catalog contains basic parameters on distances, velocities,  
luminosities, and dynamical parameters  
for 150 objects regarded as globular clusters in the Milky Way galaxy.

Key to columns:

- (1) Cluster identification number
- (2) Other commonly used cluster name
- (3,4) Right ascension and declination (epoch J2000)
- (5) V magnitude level of the horizontal branch (or RR Lyraes)
- (6) Apparent visual distance modulus
- (7) Distance from Sun (kilolight years)
- (8) Distance from Galactic center (kly), assuming  $R_0=26$  kly
- (9) Constellation
- (10) Page

ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>	Const	Page
NGC 104	47 Tuc	00 24 05.2	-72 04 51	3.95	-9.42	14.7	24.1	Tucana	7
NGC 288		00 52 47.5	-26 35 24	8.09	-6.74	28.7	39.1	Sculptor	8
NGC 362		01 03 14.3	-70 50 54	6.40	-8.41	27.7	30.6	Tucana	9
NGC 1261		03 12 15.3	-55 13 01	8.29	-7.81	53.5	59.3	Horologium	10
Pal 1		03 33 23.0	+79 34 50	13.18	-2.47	35.5	55.4	Cepheus	11
AM 1	E 1	03 55 02.7	-49 36 52	15.72	-4.71	397.4	401.6	Horologium	12
Eridanus		04 24 44.5	-21 11 13	14.70	-5.14	294.1	310.4	Eridanus	13
Pal 2		04 46 05.9	+31 22 51	13.04	-8.01	90	115.4	Auriga	14
NGC 1851		05 14 06.3	-40 02 50	7.14	-8.33	39.4	54.4	Columba	15
NGC 1904	M 79	05 24 10.6	-24 31 27	7.73	-7.86	42.1	61.3	Lepus	16
NGC 2298		06 48 59.2	-36 00 19	9.29	-6.30	34.9	51.2	Puppis	17
NGC 2419		07 38 08.5	+38 52 55	10.39	-9.58	274.5	298.3	Lynx	18
Pyxis		09 07 57.8	-37 13 17	12.90	-5.75	129.4	135.9	Pyxis	19
NGC 2808		09 12 02.6	-64 51 47	6.20	-9.39	31.3	36.2	Carina	20
E 3		09 20 59.3	-77 16 57	11.35	-2.77	14	24.8	Chamaeleon	21
Pal 3		10 05 31.4	+00 04 17	14.26	-5.70	302.2	312.6	Sextans	22
NGC 3201		10 17 36.8	-46 24 40	6.75	-7.46	16.3	29	Vela	23
Pal 4		11 29 16.8	+28 58 25	14.20	-6.02	356	364.5	Ursa Major	24
NGC 4147		12 10 06.2	+18 32 31	10.32	-6.16	62.9	69.4	Coma Berenices	25
NGC 4372		12 25 45.4	-72 39 33	7.24	-7.77	18.9	23.1	Musca	26
Rup 106		12 38 40.2	-51 09 01	10.90	-6.35	69.1	60.3	Centaurus	27
NGC 4590	M 68	12 39 28.0	-26 44 34	7.84	-7.35	33.3	32.9	Hydra	28
NGC 4833		12 59 35.0	-70 52 29	6.91	-8.16	21.2	22.8	Musca	29

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ID	Name	RA (200	0) DEC	V_t	M_Vt	R_Sun	R_gc	Const	Page
NGC 5024	M 53	13 12 55.3	+18 10 09	7.61	-8.70	58	59.7	Coma Berenices	30
NGC 5053		13 16 27.0	+17 41 53	9.47	-6.72	53.5	55.1	Coma Berenices	31
NGC 5139	omega Cen	13 26 45.9	-47 28 37	3.68	10.29	17.3	20.9	Centaurus	32
NGC 5272	M 3	13 42 11.2	+28 22 32	6.19	-8.93	33.9	39.8	Canes Venatici	33
NGC 5286		13 46 26.5	-51 22 24	7.34	-8.61	35.9	27.4	Centaurus	34
AM 4		13 55 50.1	-27 10 22	15.90	-1.60	97.5	83.1	Hydra	35
NGC 5466		14 05 27.3	+28 32 04	9.04	-6.96	51.8	52.8	Bootes	36
NGC 5634		14 29 37.3	-05 58 35	9.47	-7.69	82.2	69.1	Virgo	37
NGC 5694		14 39 36.5	-26 32 18	10.17	-7.81	113.1	94.9	Hydra	38
IC 4499		15 00 18.5	-82 12 49	9.76	-7.33	61.6	51.2	Apus	39
NGC 5824		15 03 58.5	-33 04 04	9.09	-8.84	104.3	84.1	Lupus	40
Pal 5		15 16 05.3	-00 06 41	11.75	-5.17	75.6	60.6	Serpens Caput	41
NGC 5897		15 17 24.5	-21 00 37	8.53	-7.21	40.4	23.8	Libra	42
NGC 5904	M 5	15 18 33.8	+02 04 58	5.65	-8.81	24.5	20.2	Serpens Caput	43
NGC 5927		15 28 00.5	-50 40 22	8.01	-7.80	24.8	14.7	Lupus	44
NGC 5946		15 35 28.5	-50 39 34	9.61	-7.20	34.6	18.9	Norma	45
BH 176		15 39 07.3	-50 03 02	14.00	-4.35	50.9	31.6	Norma	46
NGC 5986		15 46 03.5	-37 47 10	7.52	-8.44	33.9	15.6	Lupus	47
Lynga 7		16 11 03.0	-55 18 52			23.5	13.7	Norma	48
Pal 14	AvdB	16 11 04.9	+14 57 29	14.74	-4.73	240.9	224.9	Hercules	49
NGC 6093	M 80	16 17 02.5	-22 58 30	7.33	-8.23	32.6	12.4	Scorpius	50
NGC 6121	M 4	16 23 35.5	-26 31 31	5.63	-7.20	7.2	19.2	Scorpius	51
NGC 6101		16 25 48.6	-72 12 06	9.16	-6.91	49.9	36.2	Apus	52
NGC 6144		16 27 14.1	-26 01 29	9.01	-6.75	27.7	8.5	Scorpius	53
NGC 6139		16 27 40.4	-38 50 56	8.99	-8.36	32.9	11.7	Scorpius	54
Terzan 3		16 28 40.1	-35 21 13	12.00	-4.61	24.5	7.8	Scorpius	55
NGC 6171	M 107	16 32 31.9	-13 03 13	7.93	-7.13	20.9	10.8	Ophiuchus	56
1636-283	ESO452-SC11	16 39 25.5	-28 23 52	12.00	-3.97	25.4	6.5	Scorpius	57
NGC 6205	M 13	16 41 41.5	+36 27 37	5.78	-8.70	25.1	28.4	Hercules	58
NGC 6229		16 46 58.9	+47 31 40	9.39	-8.05	99.1	96.8	Hercules	59
NGC 6218	M 12	16 47 14.5	-01 56 52	6.70	-7.32	16	14.7	Ophiuchus	60
NGC 6235		16 53 25.4	-22 10 38	9.97	-6.44	37.2	13.4	Ophiuchus	61
NGC 6254	M 10	16 57 08.9	-04 05 58	6.60	-7.48	14.3	15	Ophiuchus	62
NGC 6256		16 59 32.6	-37 07 17	11.29	-6.52	27.4	5.9	Scorpius	63
Pal 15		17 00 02.4	-00 32 31	14.00	-5.49	145.4	123.6	Ophiuchus	64
NGC 6266	M 62	17 01 12.8	-30 06 49	6.45	-9.19	22.5	5.5	Ophiuchus	65
NGC 6273	M 19	17 02 37.8	-26 16 05	6.77	-9.18	28	5.2	Ophiuchus	66
NGC 6284		17 04 28.8	-24 45 53	8.83	-7.97	49.9	24.8	Ophiuchus	67
NGC 6287		17 05 09.4	-22 42 29	9.35	-7.36	30.3	6.8	Ophiuchus	68
NGC 6293		17 10 10.2	-26 34 55	8.22	-7.77	28.7	4.6	Ophiuchus	69
NGC 6304		17 14 32.1	-29 27 44	8.22	-7.32	19.6	7.2	Ophiuchus	70
NGC 6316		17 16 37.3	-28 08 24	8.43	-8.35	35.9	10.4	Ophiuchus	71
NGC 6341	M 92	17 17 07.3	+43 08 11	6.44	-8.20	26.7	31.3	Hercules	72
NGC 6325		17 17 59.2	-23 45 57	10.33	-6.95	26.1	3.6	Ophiuchus	73
NGC 6333	M 9	17 19 11.8	-18 30 59	7.72	-7.94	25.8	5.5	Ophiuchus	74
NGC 6342		17 21 10.2	-19 35 14	9.66	-6.44	28	5.5	Ophiuchus	75
NGC 6356		17 23 35.0	-17 48 47	8.25	-8.52	49.6	24.8	Ophiuchus	76
NGC 6355		17 23 58.6	-26 21 13	9.14	-8.08	31	5.9	Ophiuchus	77
NGC 6352		17 25 29.2	-48 25 22	7.96	-6.48	18.6	10.8	Ara	78
IC 1257		17 27 08.5	-07 05 35	13.10	-6.15	81.5	58.4	Ophiuchus	79

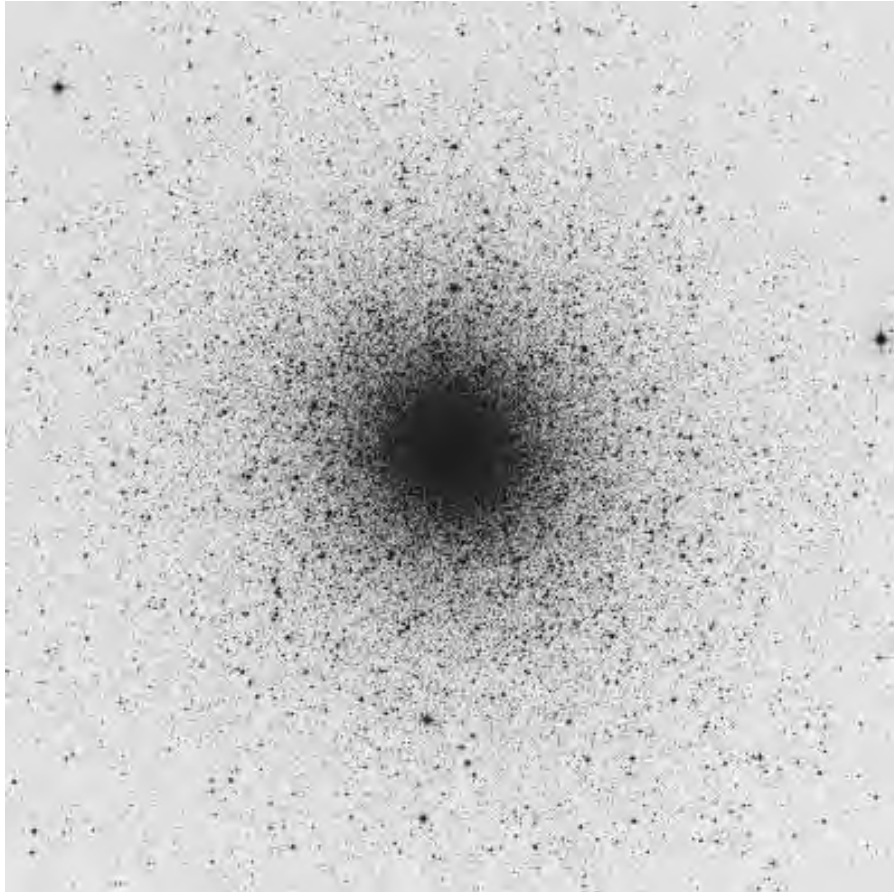
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NGC 6366		17 27 44.3	-05 04 36	9.20	-5.77	11.7	16.3	Ophiuchus	81
Terzan 4	HP 4	17 30 39.0	-31 35 44	16.00	-6.09	29.7	4.2	Scorpius	82
HP 1	BH 229	17 31 05.2	-29 58 54	11.59	-6.44	46	19.9	Ophiuchus	83
NGC 6362		17 31 54.8	-67 02 53	7.73	-6.94	24.8	16.6	Ara	84
Liller 1		17 33 24.5	-33 23 20	16.77	-7.63	31.3	5.9	Scorpius	85
NGC 6380	Ton 1	17 34 28.0	-39 04 09	11.31	-7.46	34.9	10.4	Scorpius	86
Terzan 1	HP 2	17 35 47.2	-30 28 54	15.90	-4.90	18.3	8.2	Scorpius	87
Ton 2	Pismis 26	17 36 10.5	-38 33 12	12.24	-6.14	26.4	4.6	Scorpius	88
NGC 6388		17 36 17.0	-44 44 06	6.72	-9.42	32.6	10.4	Scorpius	89
NGC 6402	M 14	17 37 36.1	-03 14 45	7.59	-9.12	30.3	13.4	Ophiuchus	90
NGC 6401		17 38 36.6	-23 54 34	9.45	-7.90	34.2	8.8	Ophiuchus	91
NGC 6397		17 40 41.3	-53 40 25	5.73	-6.63	7.5	19.6	Ara	92
Pal 6		17 43 42.2	-26 13 21	11.55	-6.81	19.2	7.2	Ophiuchus	93
NGC 6426		17 44 54.7	+03 10 13	11.01	-6.69	67.5	47.6	Ophiuchus	94
Djorg 1		17 47 28.3	-33 03 56	13.60	-6.26	39.1	13.4	Scorpius	95
Terzan 5		17 48 04.9	-24 46 45	13.85	-7.87	33.6	7.8	Sagittarius	96
NGC 6440		17 48 52.7	-20 21 37	9.20	-8.75	27.4	4.2	Sagittarius	97
NGC 6441		17 50 12.9	-37 03 05	7.15	-9.64	38.1	12.7	Scorpius	98
Terzan 6	HP 5	17 50 46.4	-31 16 31	13.85	-7.67	31	5.2	Scorpius	99
NGC 6453		17 50 51.7	-34 35 57	10.08	-6.88	31.3	5.9	Scorpius	100
UKS 1		17 54 27.2	-24 08 43	17.29	-6.88	27.1	2.6	Sagittarius	101
NGC 6496		17 59 02.0	-44 15 54	8.54	-7.23	37.5	14	Corona Australis	102
Terzan 9		18 01 38.8	-26 50 23	16.00	-3.85	21.2	5.2	Sagittarius	103
Djorg 2	ESO456-SC38	18 01 49.1	-27 49 33	9.90	-6.98	21.8	4.6	Sagittarius	104
NGC 6517		18 01 50.6	-08 57 32	10.23	-8.28	35.2	14	Ophiuchus	105
Terzan10		18 02 57.4	-26 04 00	14.90	-6.31	18.6	7.8	Sagittarius	106
NGC 6522		18 03 34.1	-30 02 02	8.27	-7.67	25.4	2	Sagittarius	107
NGC 6535		18 03 50.7	-00 17 49	10.47	-4.75	22.2	12.7	Serpens Cauda	108
NGC 6528		18 04 49.6	-30 03 21	9.60	-6.56	25.8	2	Sagittarius	109
NGC 6539		18 04 49.8	-07 35 09	9.33	-8.30	27.4	10.1	Serpens Cauda	110
NGC 6540	Djorg 3	18 06 08.6	-27 45 55	9.30	-5.38	12.1	14.3	Sagittarius	111
NGC 6544		18 07 20.6	-24 59 51	7.77	-6.66	8.8	17.3	Sagittarius	112
NGC 6541		18 08 02.2	-43 30 00	6.30	-8.37	22.8	7.2	Corona Australis	113
2MS-GC01	2MASS-GC01	18 08 21.8	-19 49 47			11.7	14.7	Sagittarius	114
ESO-SC06	ESO280-SC06	18 09 06.0	-46 25 23			70.7	46.6	Ara	115
NGC 6553		18 09 17.6	-25 54 31	8.06	-7.77	19.6	7.2	Sagittarius	116
2MS-GC02	2MASS-GC02	18 09 36.5	-20 46 44			13	13.4	Sagittarius	117
NGC 6558		18 10 17.6	-31 45 50	9.26	-6.46	24.1	3.3	Sagittarius	118
IC 1276	Pal 7	18 10 44.2	-07 12 27	10.34	-6.67	17.6	12.1	Serpens Cauda	119
Terzan 11		18 12 15.8	-22 44 31	15.63	-4.14	15.6	11.1	Sagittarius	120
NGC 6569		18 13 38.8	-31 49 37	8.55	-8.30	34.9	9.5	Sagittarius	121
NGC 6584		18 18 37.7	-52 12 54	8.27	-7.68	43.7	22.8	Telescopium	122
NGC 6624		18 23 40.5	-30 21 40	7.87	-7.49	25.8	3.9	Sagittarius	123
NGC 6626	M 28	18 24 32.9	-24 52 12	6.79	-8.18	18.3	8.8	Sagittarius	124
NGC 6638		18 30 56.1	-25 29 51	9.02	-7.13	31.3	7.5	Sagittarius	125
NGC 6637	M 69	18 31 23.2	-32 20 53	7.64	-7.64	29.7	6.2	Sagittarius	126
NGC 6642		18 31 54.1	-23 28 31	9.13	-6.77	27.4	5.5	Sagittarius	127
NGC 6652		18 35 45.7	-32 59 25	8.62	-6.68	32.9	9.1	Sagittarius	128
NGC 6656	M 22	18 36 24.2	-23 54 12	5.10	-8.50	10.4	16	Sagittarius	129

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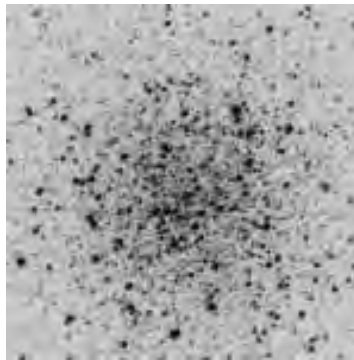
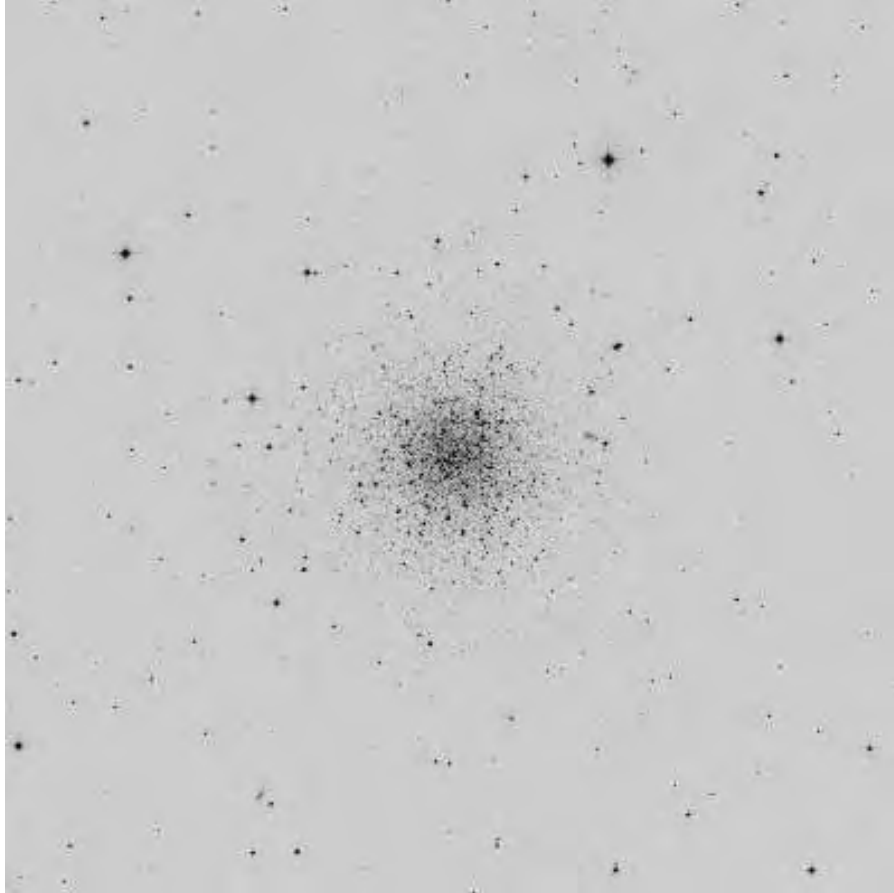
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NGC 6681	M 70	18 43 12.7	-32 17 31	7.87	-7.11	29.3	6.8	Sagittarius	131
NGC 6712		18 53 04.3	-08 42 22	8.10	-7.50	22.5	11.4	Scutum	132
NGC 6715	M 54	18 55 03.3	-30 28 42	7.60	10.01	87.4	62.6	Sagittarius	133
NGC 6717	Pal 9	18 55 06.2	-22 42 03	9.28	-5.66	23.1	7.8	Sagittarius	134
NGC 6723		18 59 33.2	-36 37 54	7.01	-7.84	28.4	8.5	Sagittarius	135
NGC 6749		19 05 15.3	+01 54 03	12.44	-6.70	25.8	16.3	Aquila	136
NGC 6752		19 10 52.0	-59 59 05	5.40	-7.73	13	17	Pavo	137
NGC 6760		19 11 12.1	+01 01 50	8.88	-7.86	24.1	15.6	Aquila	138
NGC 6779	M 56	19 16 35.5	+30 11 05	8.27	-7.38	32.9	31.6	Lyra	139
Terzan 7		19 17 43.7	-34 39 27	12.00	-5.05	75.6	52.2	Sagittarius	140
Pal 10		19 18 02.1	+18 34 18	13.22	-5.79	19.2	20.9	Sagitta	141
Arp 2		19 28 44.1	-30 21 14	12.30	-5.29	93.2	69.8	Sagittarius	142
NGC 6809	M 55	19 39 59.4	-30 57 44	6.32	-7.55	17.3	12.7	Sagittarius	143
Terzan 8		19 41 45.0	-34 00 01	12.40	-5.05	84.8	62.3	Sagittarius	144
Pal 11		19 45 14.4	-08 00 26	9.80	-6.86	42.4	25.8	Aquila	145
NGC 6838	M 71	19 53 46.1	+18 46 42	8.19	-5.60	13	21.8	Sagitta	146
NGC 6864	M 75	20 06 04.8	-21 55 17	8.52	-8.55	67.5	47.6	Sagittarius	147
NGC 6934		20 34 11.6	+07 24 15	8.83	-7.46	51.2	41.7	Delphinus	148
NGC 6981	M 72	20 53 27.9	-12 32 13	9.27	-7.04	55.4	42.1	Aquarius	149
NGC 7006		21 01 29.5	+16 11 15	10.56	-7.68	135.3	126.5	Delphinus	150
NGC 7078	M 15	21 29 58.3	+12 10 01	6.20	-9.17	33.6	33.9	Pegasus	151
NGC 7089	M 2	21 33 29.3	-00 49 23	6.47	-9.02	37.5	33.9	Aquarius	152
NGC 7099	M 30	21 40 22.0	-23 10 45	7.19	-7.43	26.1	23.1	Capricornus	153
Pal 12		21 46 38.8	-21 15 03	11.99	-4.48	62.3	51.8	Capricornus	154
Pal 13		23 06 44.4	+12 46 19	13.47	-3.74	84.1	87	Pegasus	155
NGC 7492		23 08 26.7	-15 36 41	11.29	-5.77	84.1	81.2	Aquarius	156

## NGC 104 (47 Tucana) in Tucana



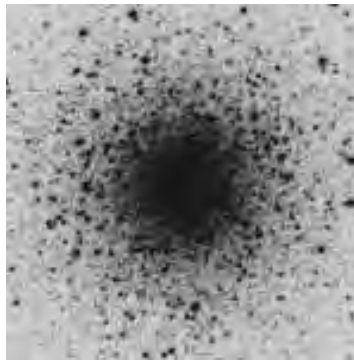
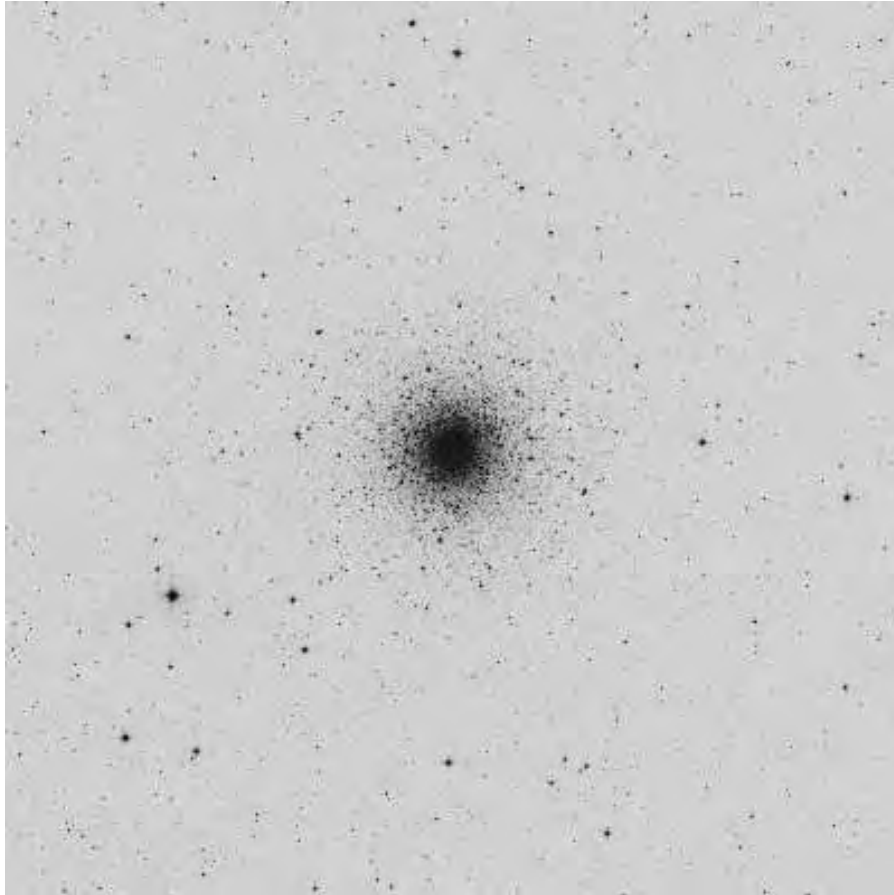
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## NGC 288 in Sculptor



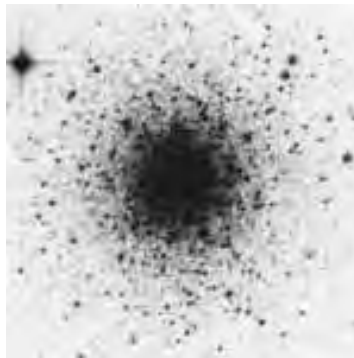
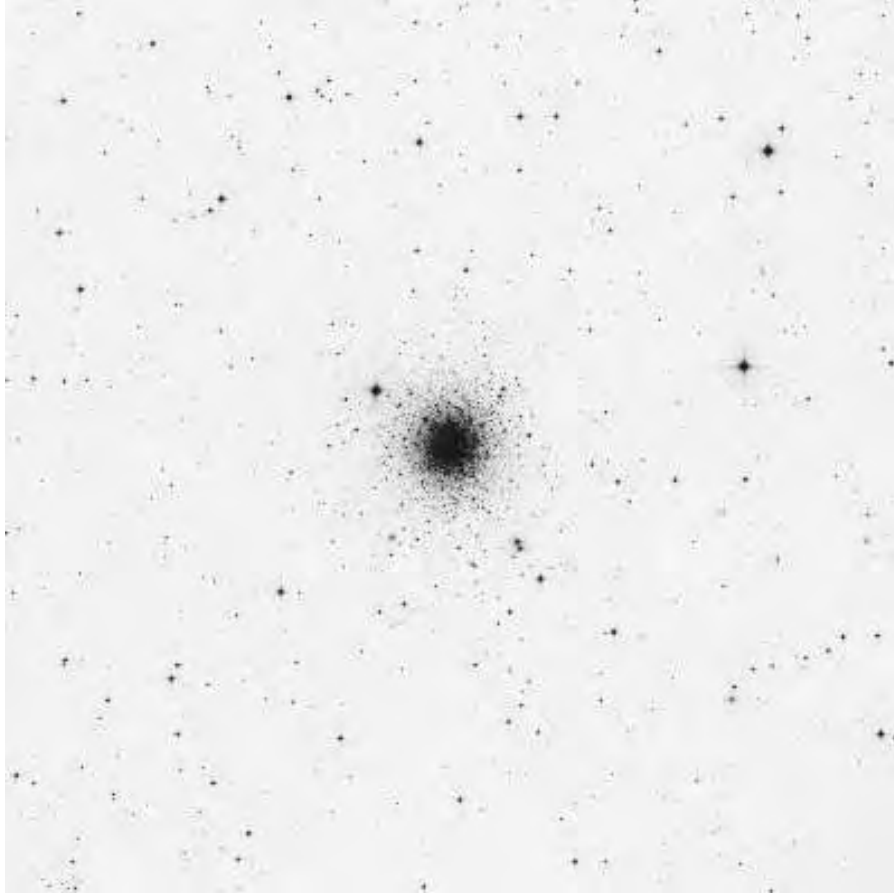
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NGC 288		00 52 47.5	-26 35 24	8.09	-6.74	28.7	39.1

## NGC 362 in Tucana



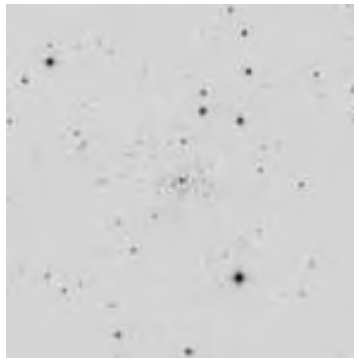
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NGC 362		01 03 14.3	-70 50 54	6.40	-8.41	27.7	30.6

## NGC 1261 in Horologium



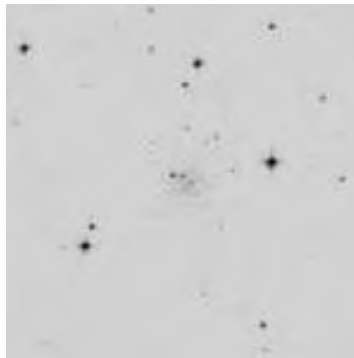
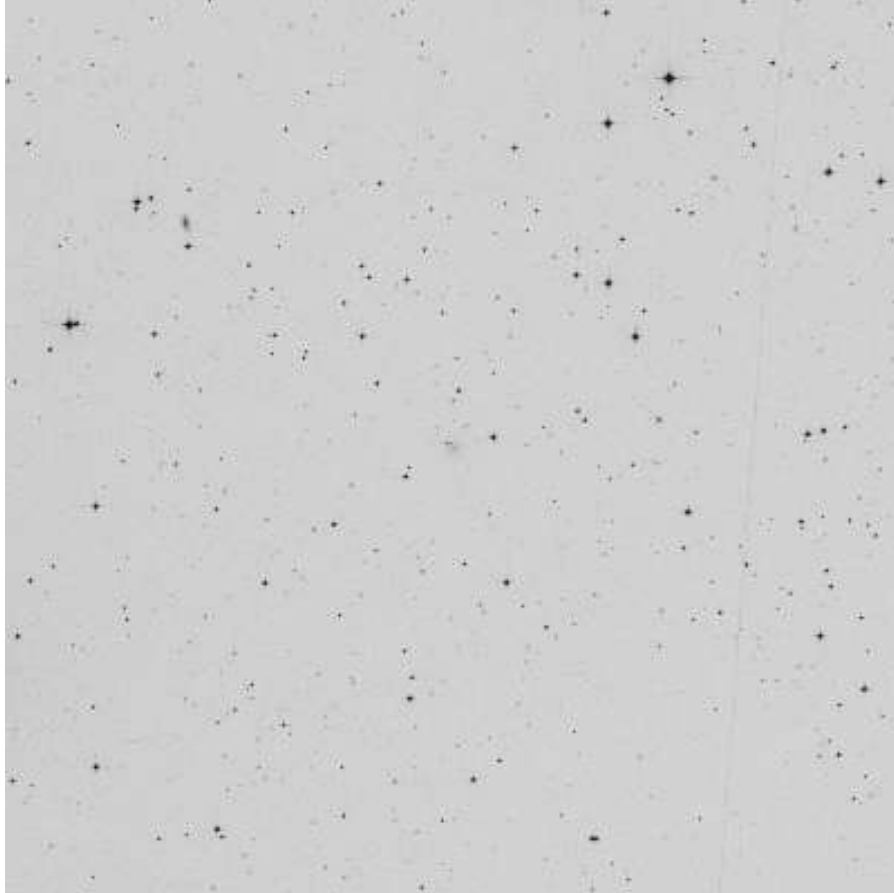
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 1261		03 12 15.3	-55 13 01	8.29	-7.81	53.5	59.3

## Palomar 1 in Cepheus



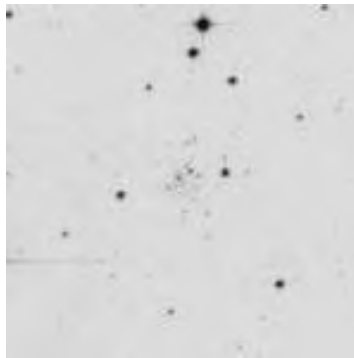
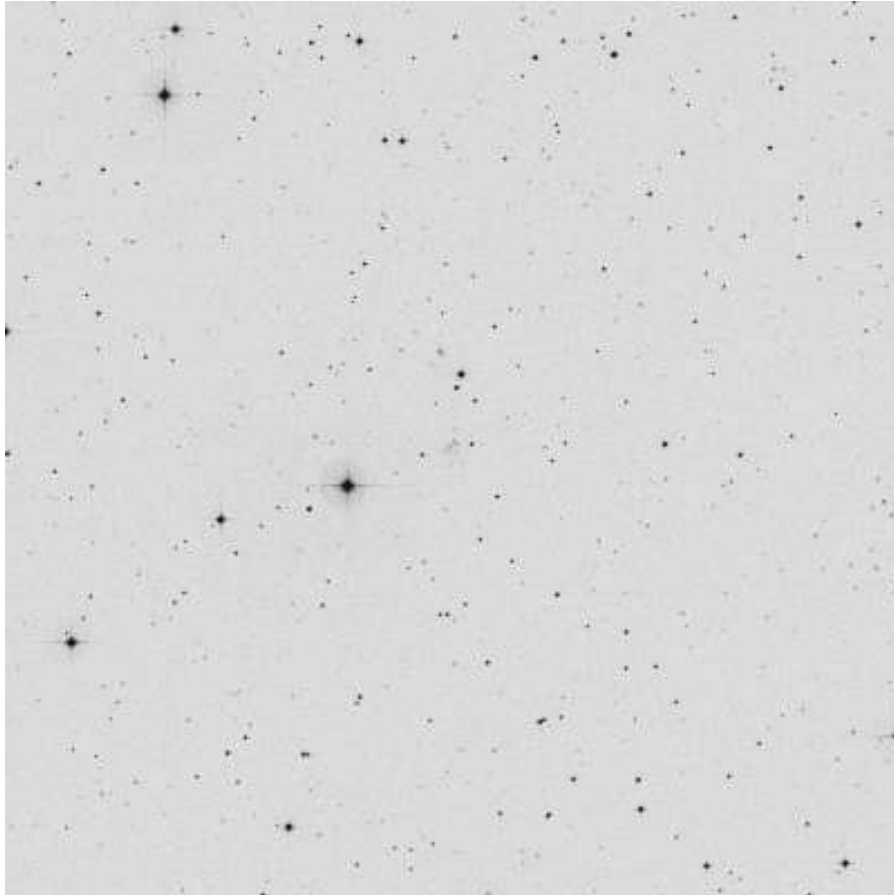
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 1		03 33 23.0	+79 34 50	13.18	-2.47	35.5	55.4

## AM 1 in Horologium



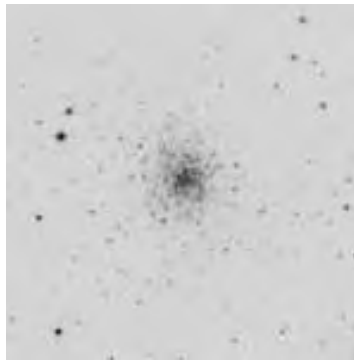
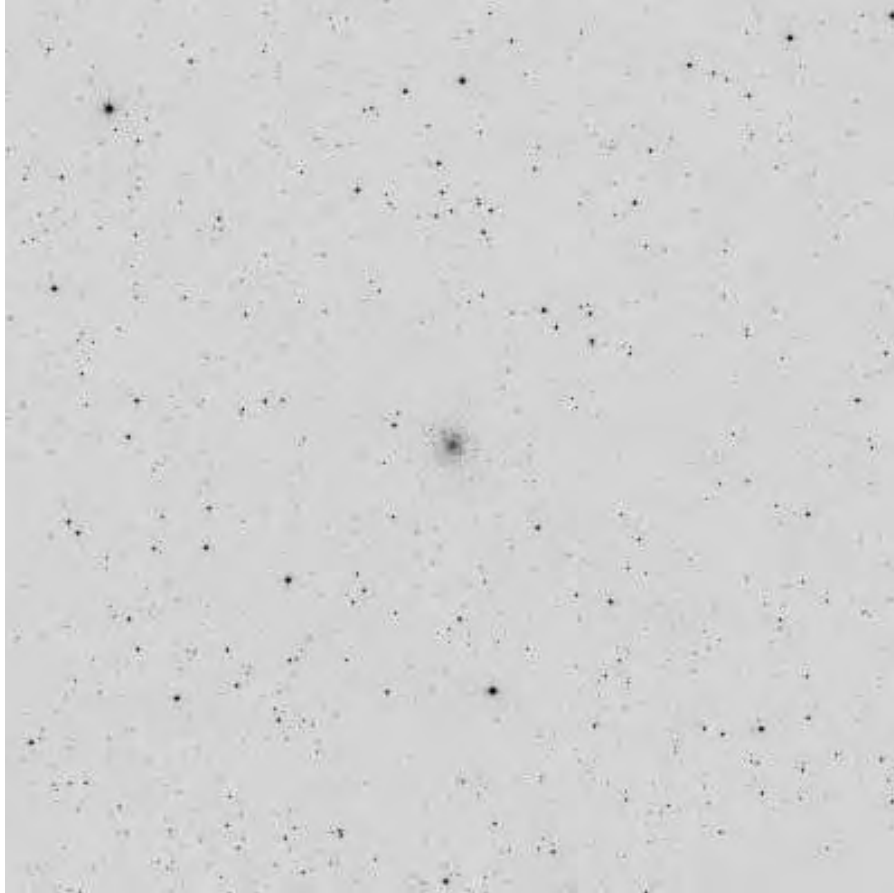
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
AM 1	E 1	03 55 02.7	-49 36 52	15.72	-4.71	397.4	401.6

## Eridanus in Eridanus



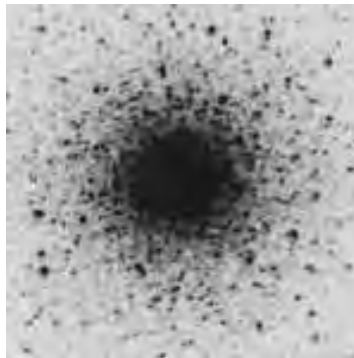
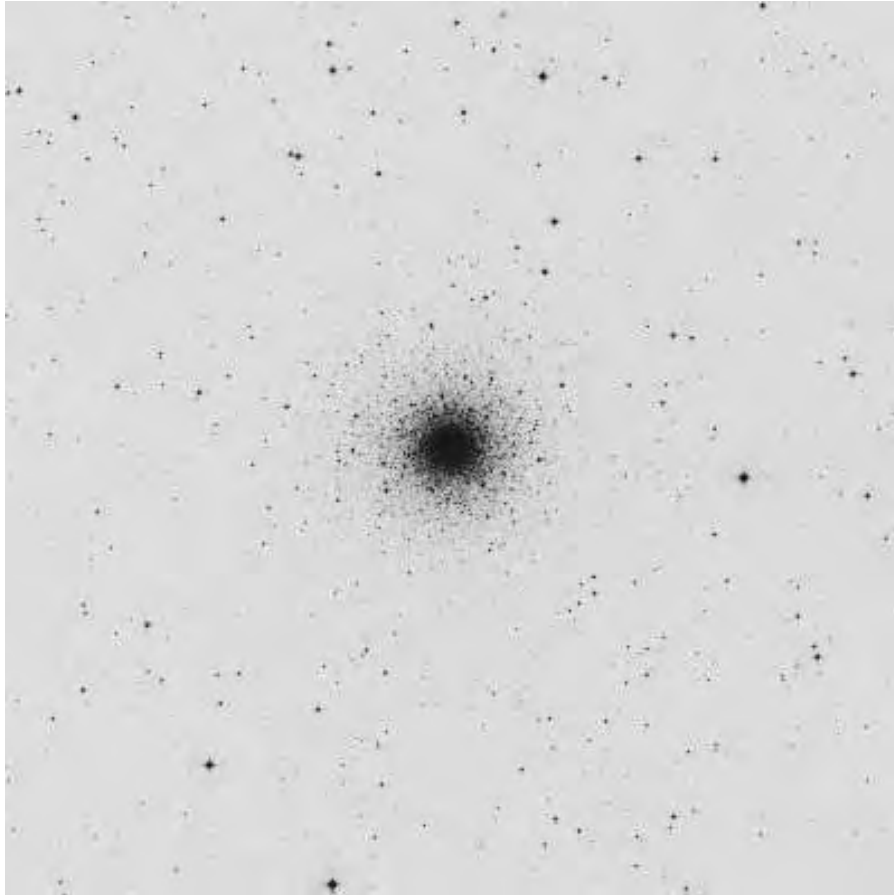
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Eridanus		04 24 44.5	-21 11 13	14.70	-5.14	294.1	310.4

## Palomar 2 in Auriga



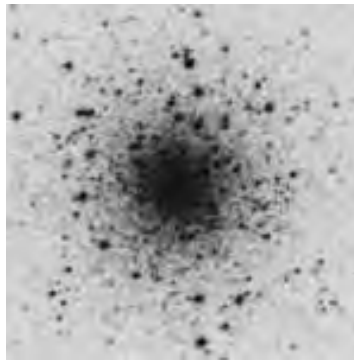
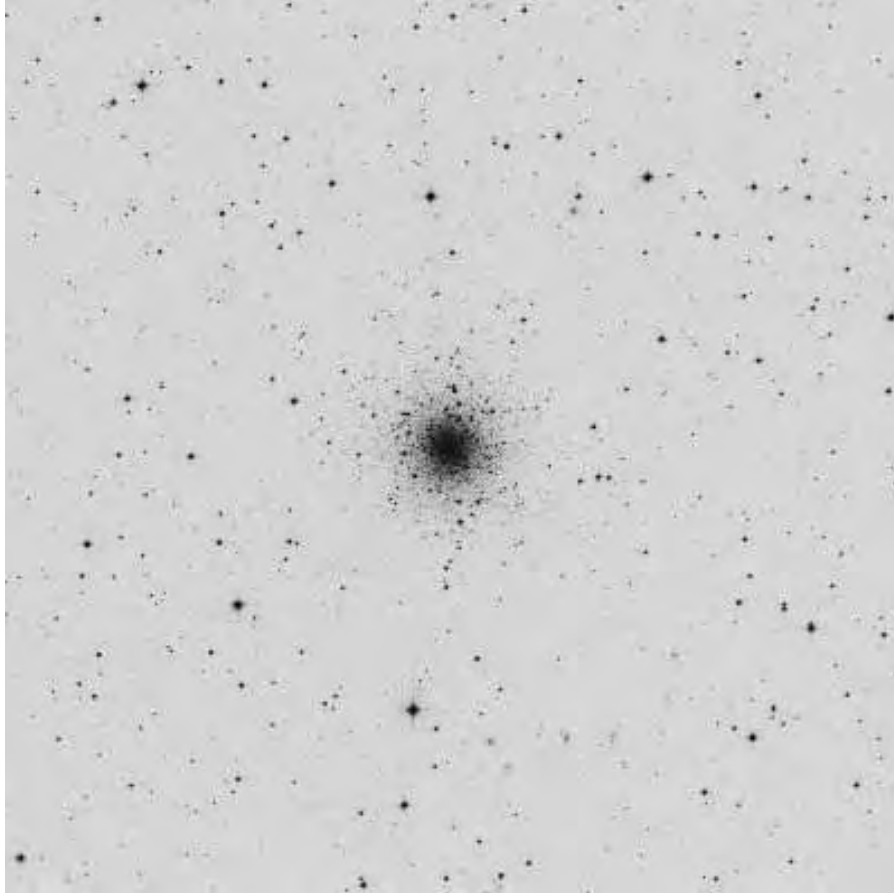
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 2		04 46 05.9	+31 22 51	13.04	-8.01	90	115.4

## NGC 1851 in Columba



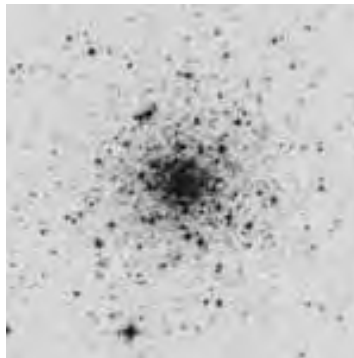
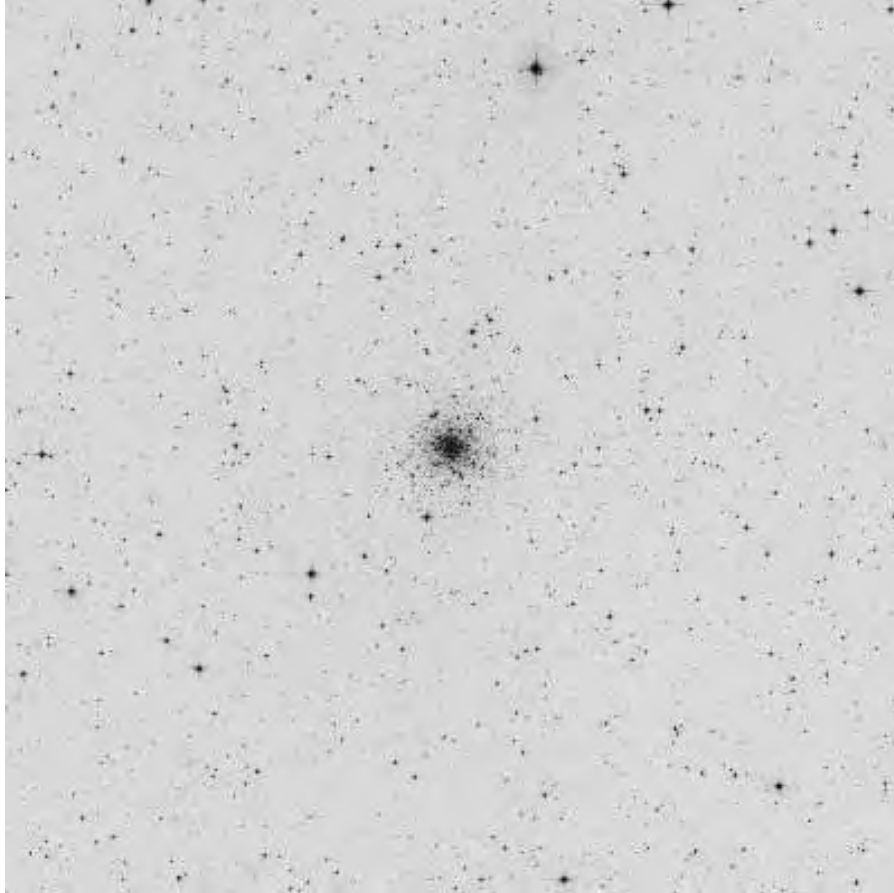
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 1851		05 14 06.3	-40 02 50	7.14	-8.33	39.4	54.4

## NGC 1904 (M 79) in Lepus



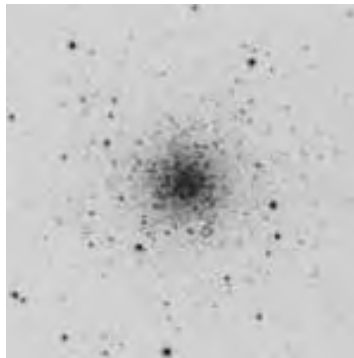
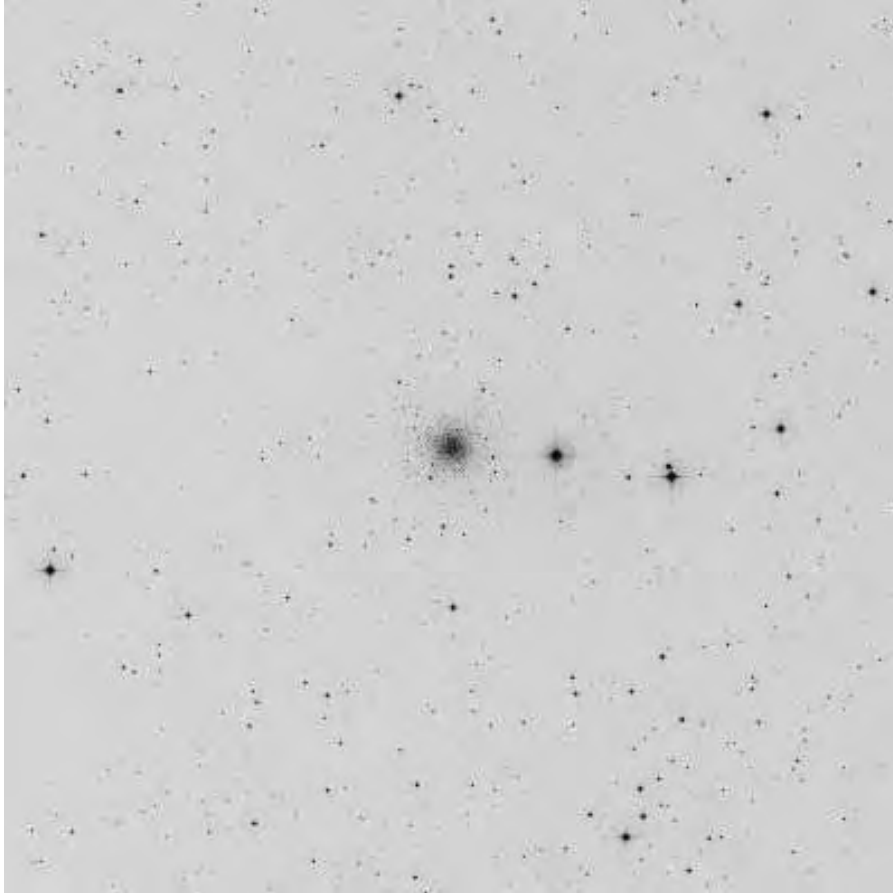
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 1904	M 79	05 24 10.6	-24 31 27	7.73	-7.86	42.1	61.3

## NGC 2298 in Puppis



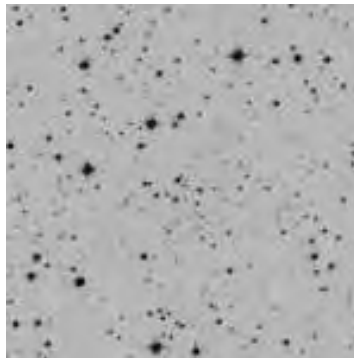
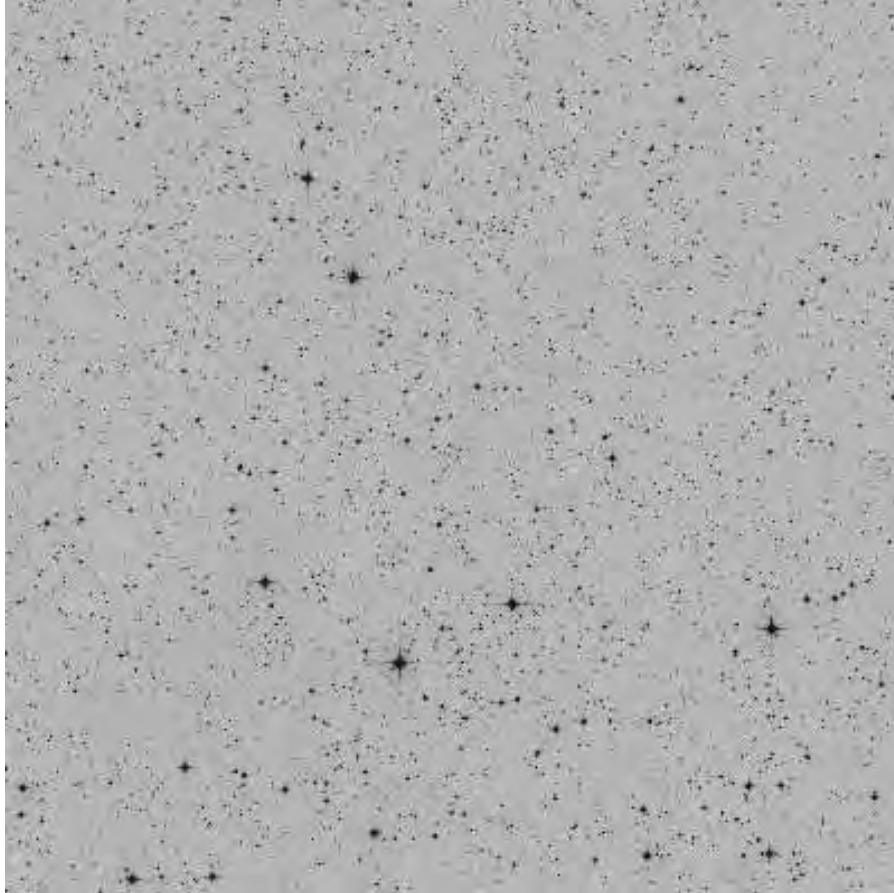
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 2298		06 48 59.2	-36 00 19	9.29	-6.30	34.9	51.2

## NGC 2419 in Lynx



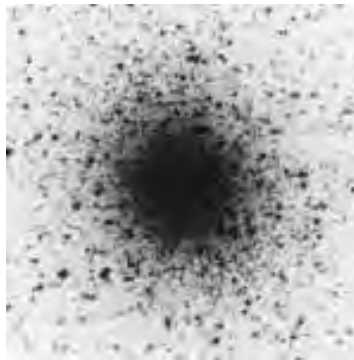
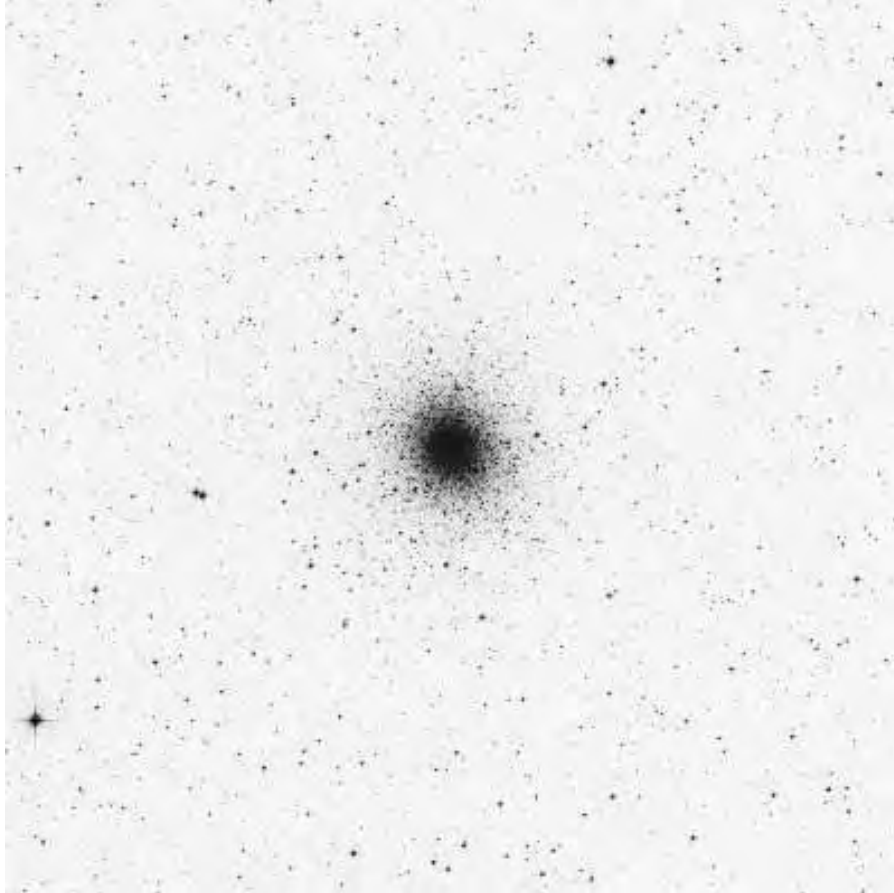
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 2419		07 38 08.5	+38 52 55	10.39	-9.58	274.5	298.3

## Pyxis in Pyxis



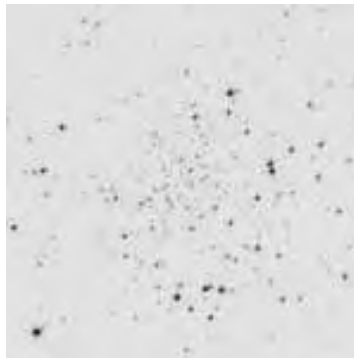
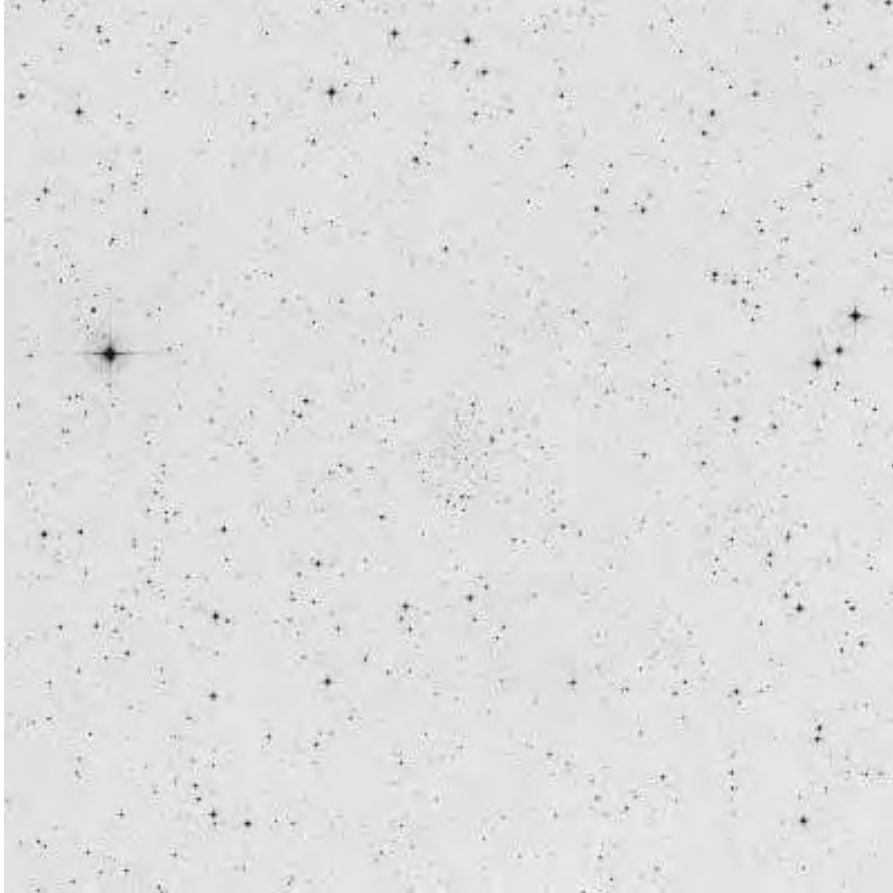
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Pyxis		09 07 57.8	-37 13 17	12.90	-5.75	129.4	135.9

## NGC 2808 in Carina



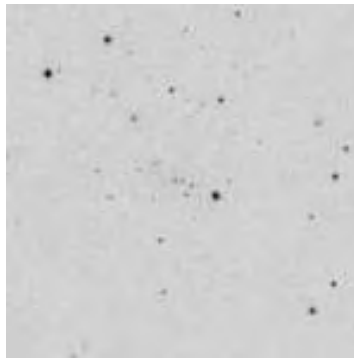
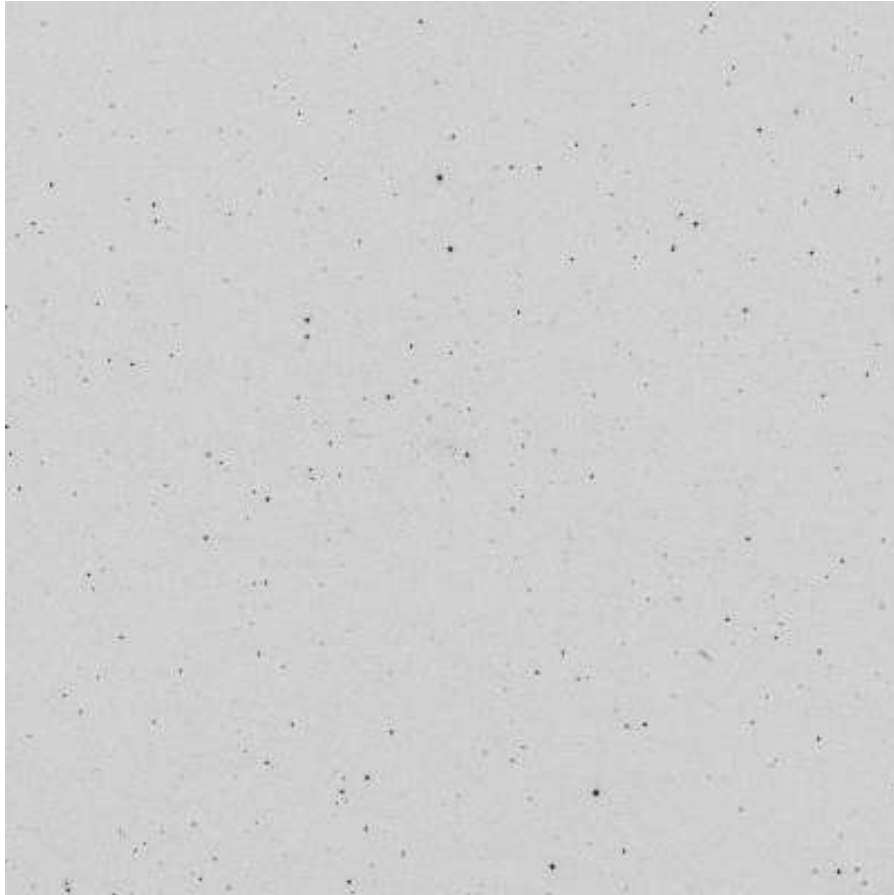
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 2808		09 12 02.6	-64 51 47	6.20	-9.39	31.3	36.2

## E 3 in Chamaeleon



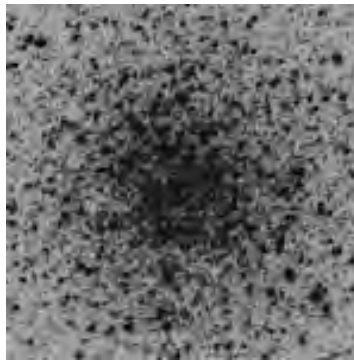
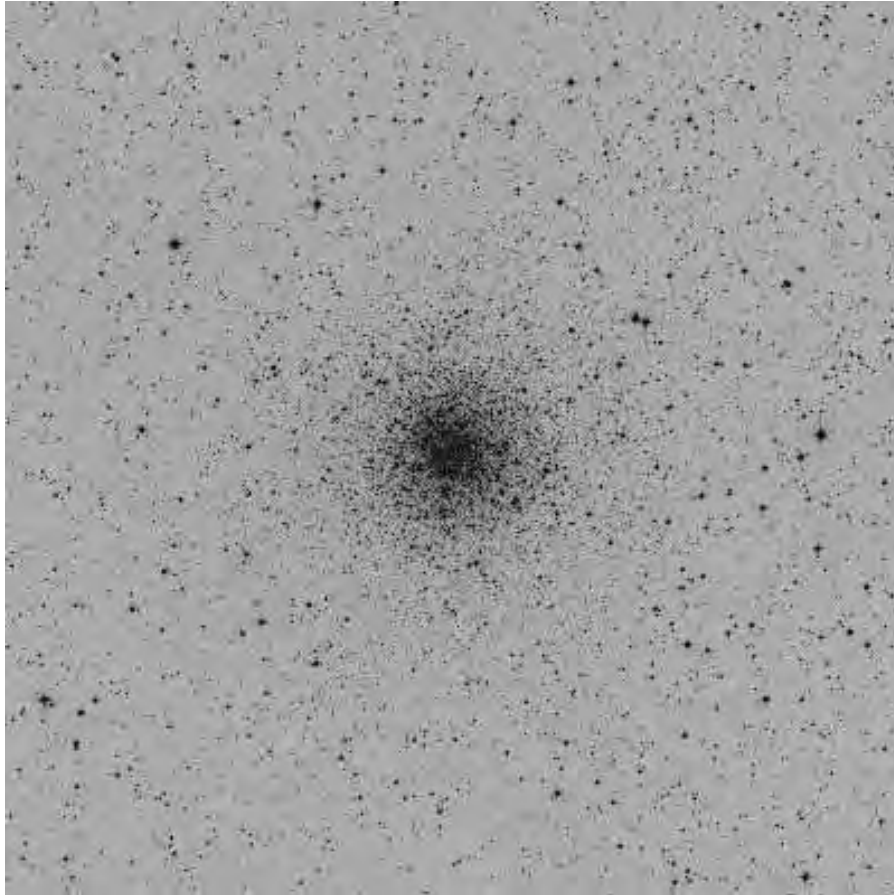
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
E 3		09 20 59.3	-77 16 57	11.35	-2.77	14	24.8

## Palomar 3 in Sextans



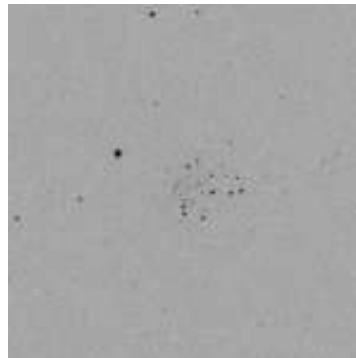
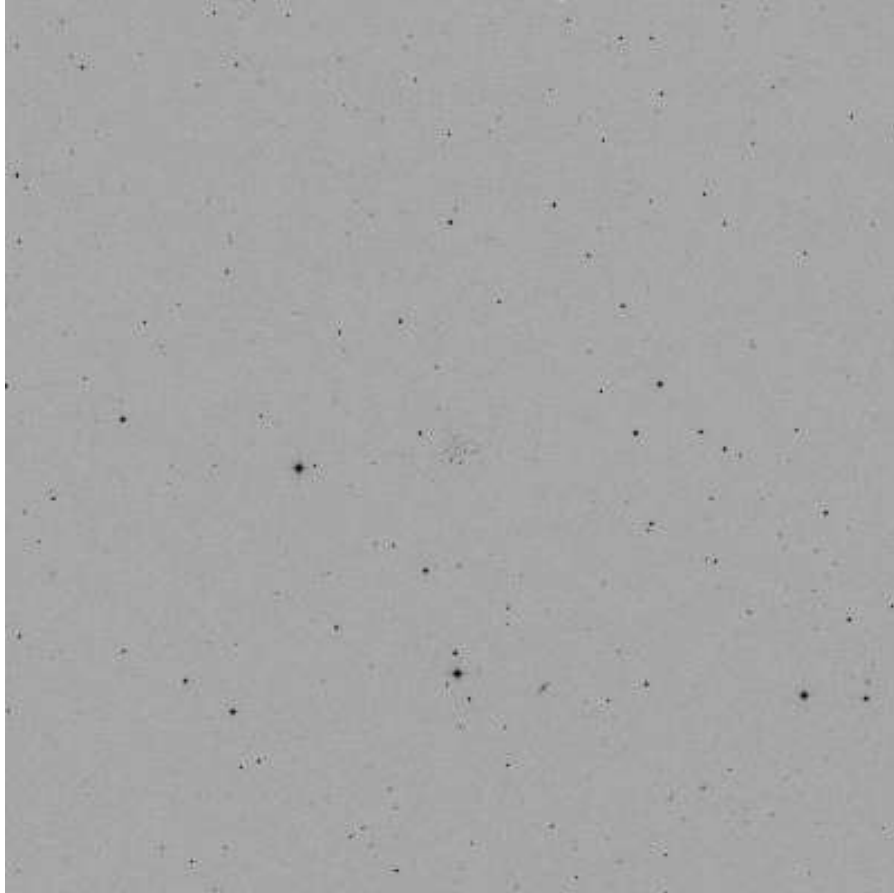
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 3		10 05 31.4	+00 04 17	14.26	-5.70	302.2	312.6

## NGC 3201 in Vela



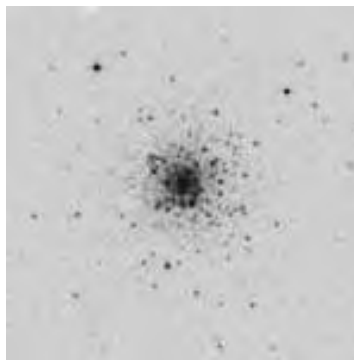
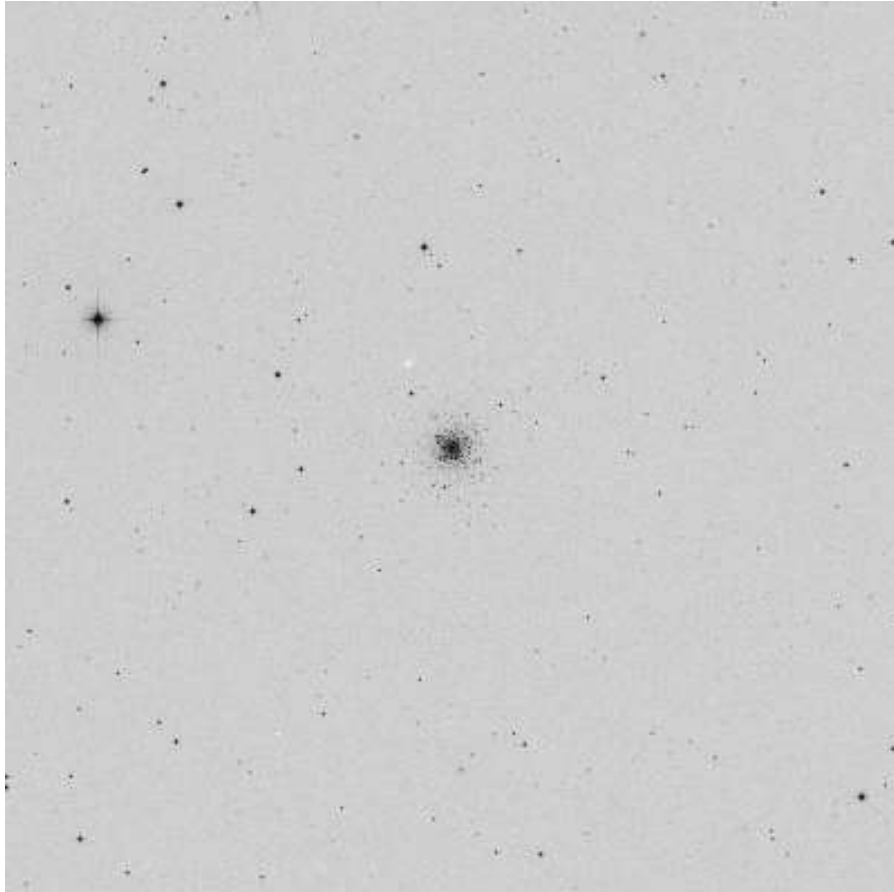
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 3201		10 17 36.8	-46 24 40	6.75	-7.46	16.3	29

## Palomar 4 in Ursa Major



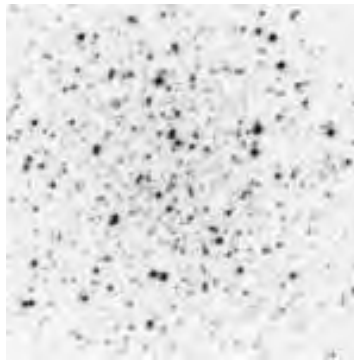
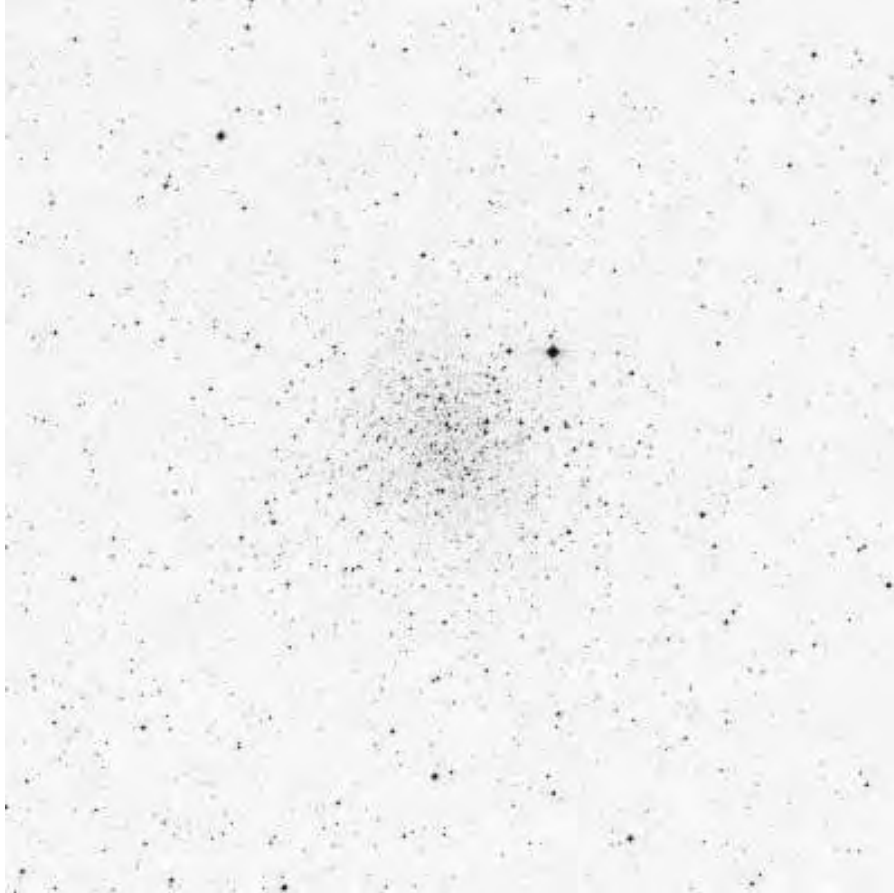
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 4		11 29 16.8	+28 58 25	14.20	-6.02	356	364.5

## NGC 4147 in Coma Berenices



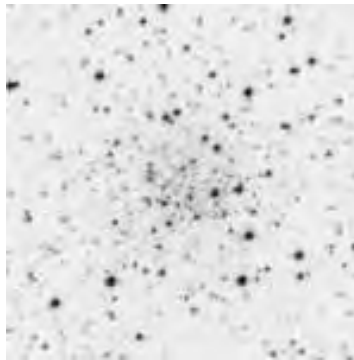
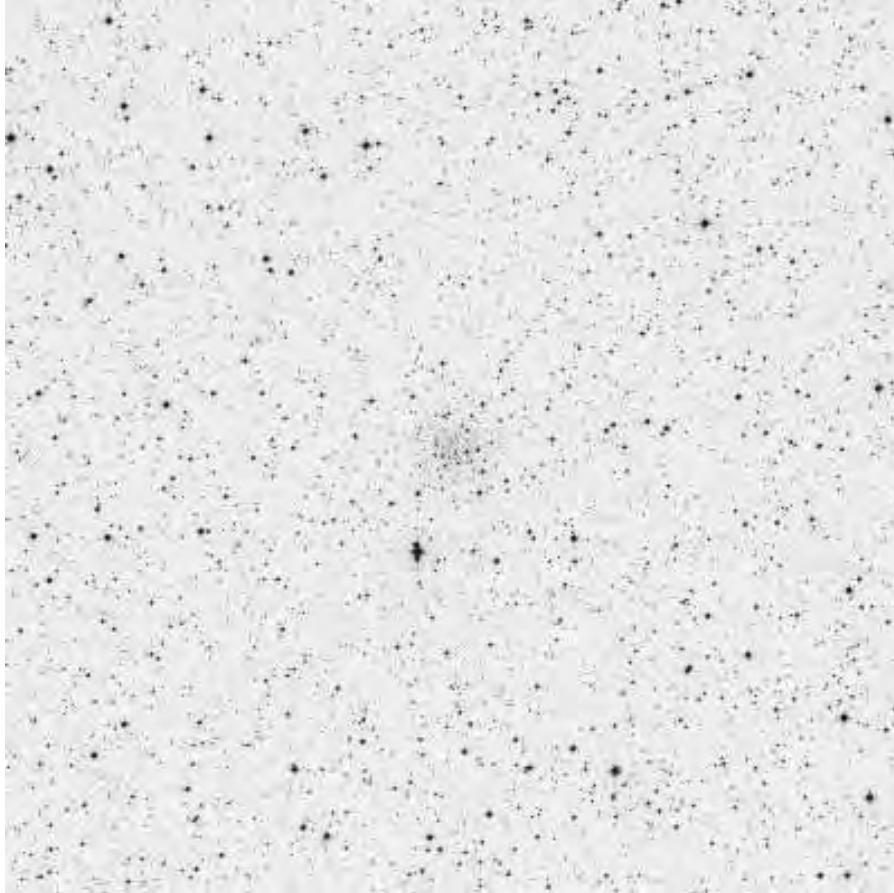
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 4147		12 10 06.2	+18 32 31	10.32	-6.16	62.9	69.4

## NGC 4372 in Musca



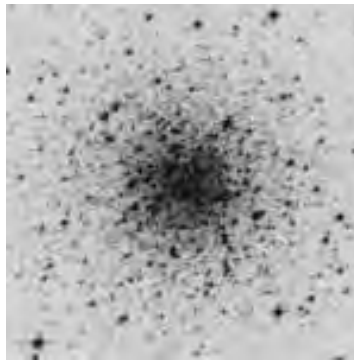
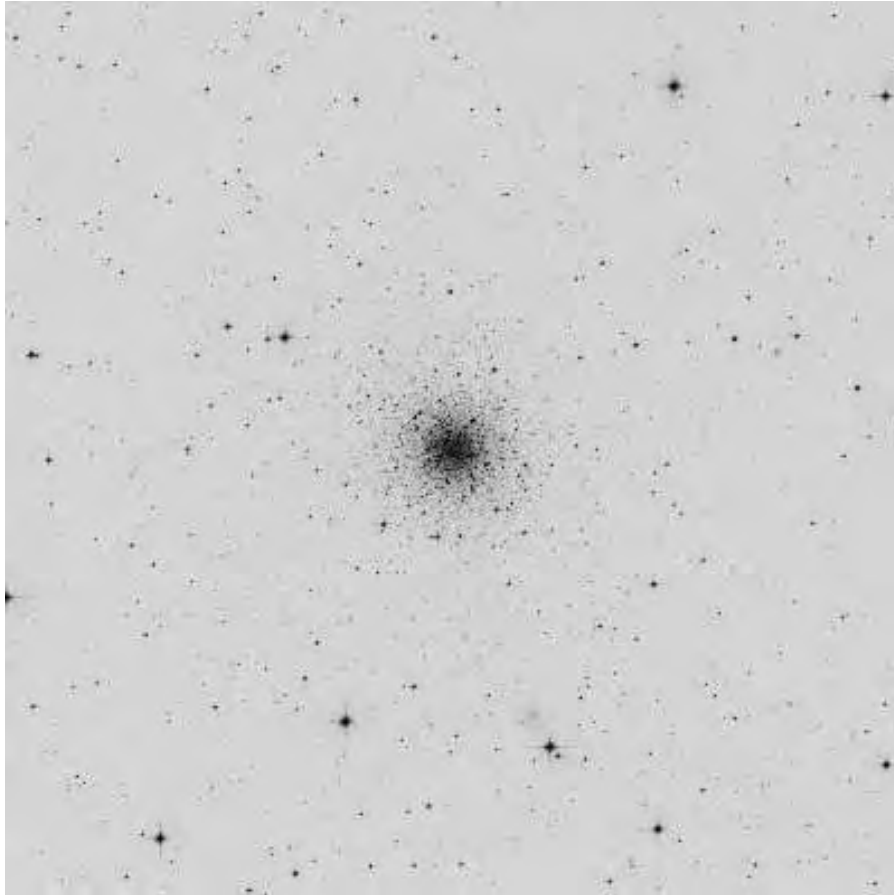
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 4372		12 25 45.4	-72 39 33	7.24	-7.77	18.9	23.1

## Rup 106 in Centaurus



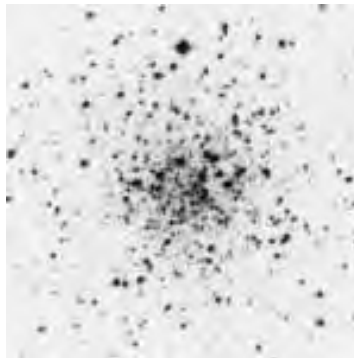
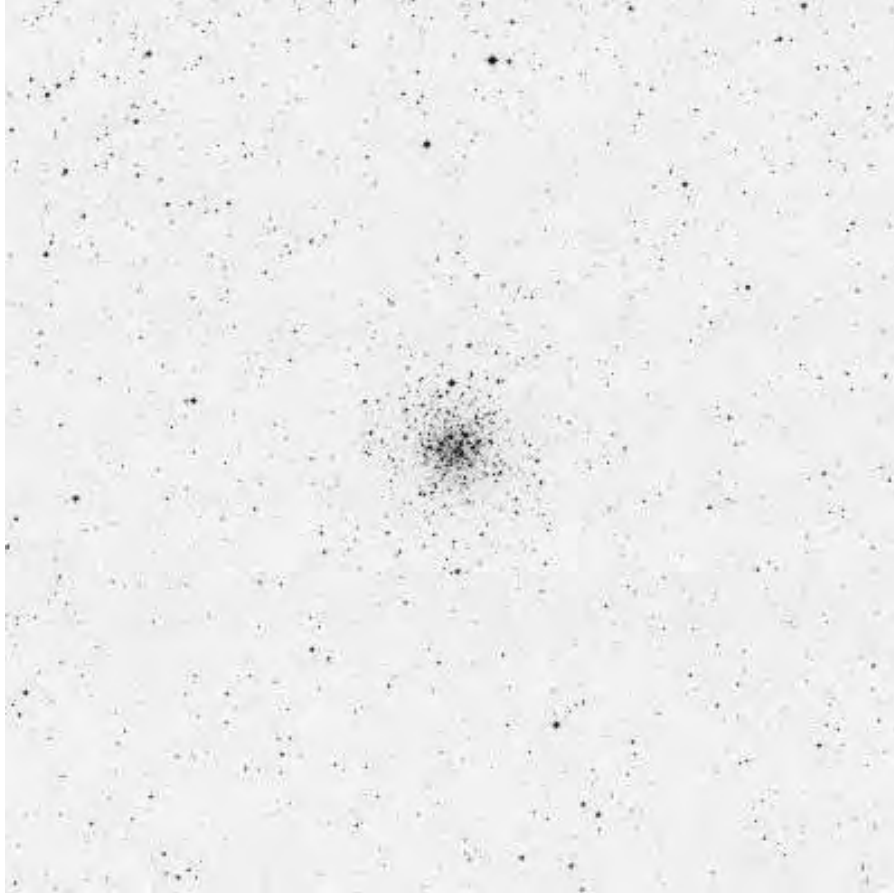
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Rup 106		12 38 40.2	-51 09 01	10.90	-6.35	69.1	60.3

## NGC 4590 (M 68) in Hydra



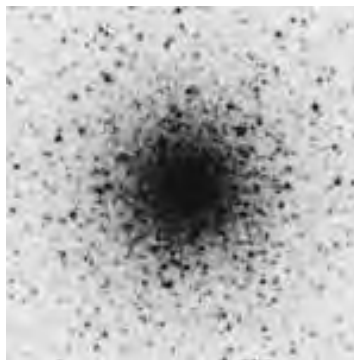
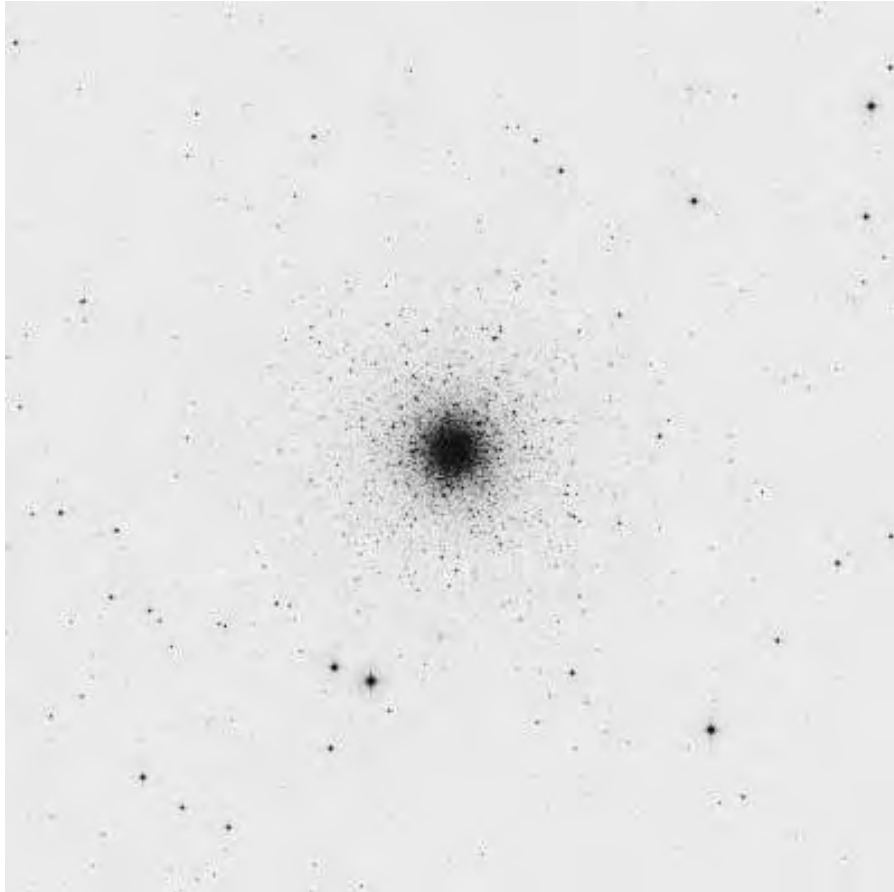
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 4590	M 68	12 39 28.0	-26 44 34	7.84	-7.35	33.3	32.9

## NGC 4833 in Musca



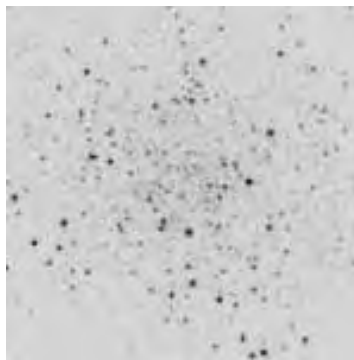
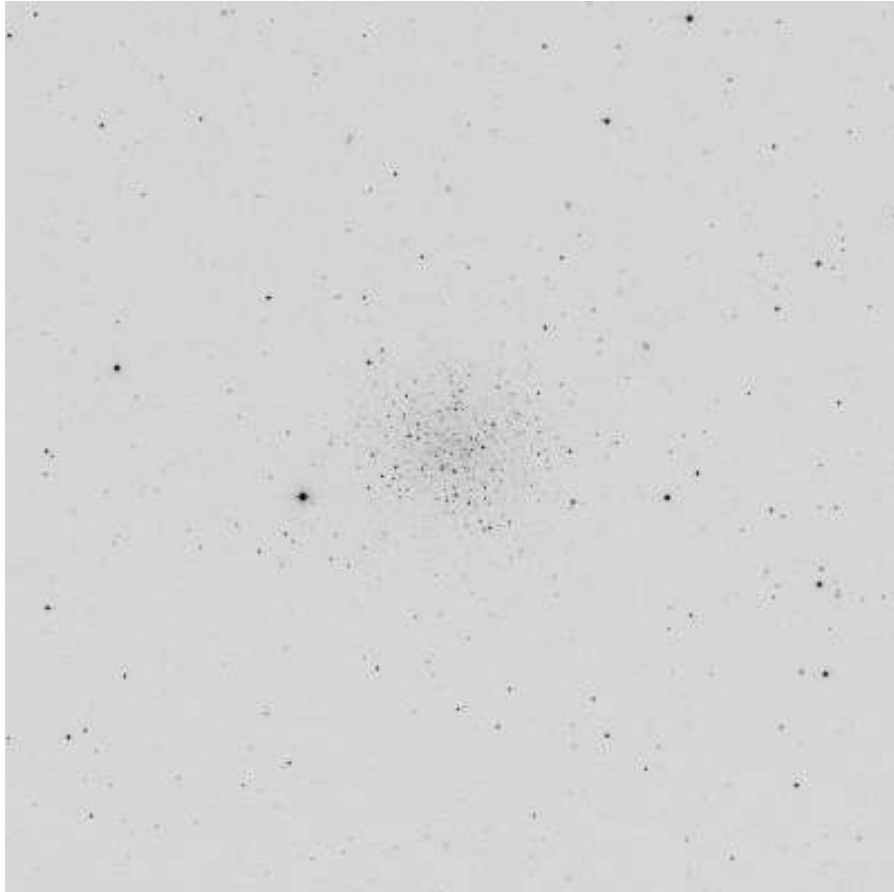
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 4833		12 59 35.0	-70 52 29	6.91	-8.16	21.2	22.8

## NGC 5024 (M 53) in Coma Berenices



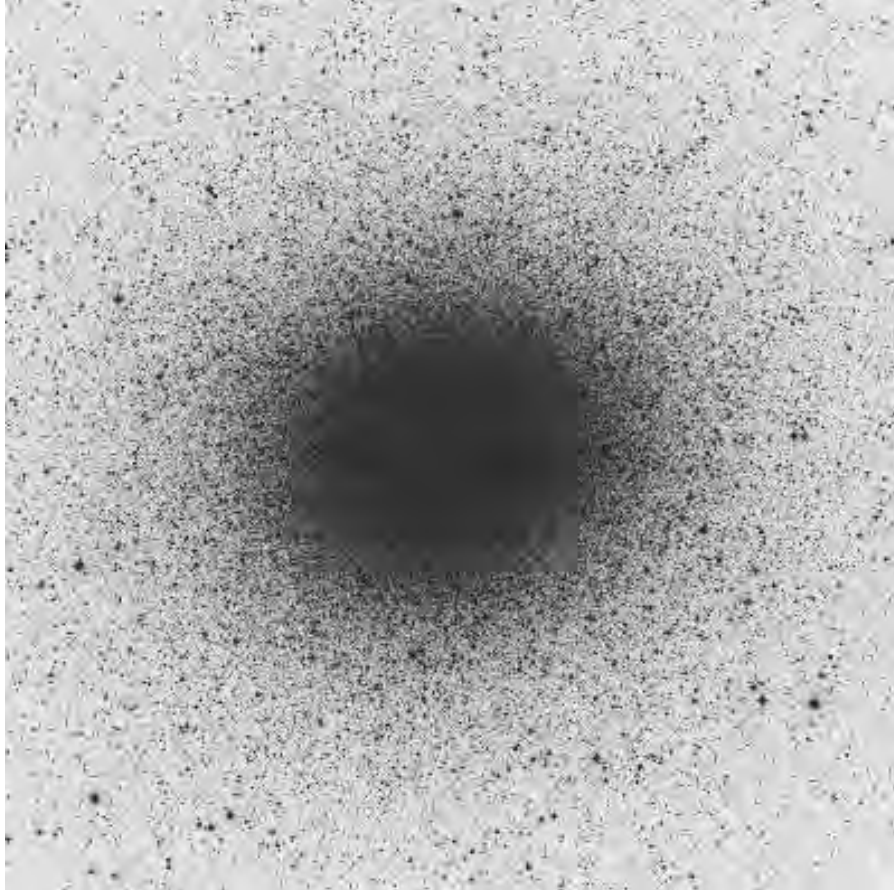
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5024	M 53	13 12 55.3	+18 10 09	7.61	-8.70	58	59.7

## NGC 5053 in Coma Berenices



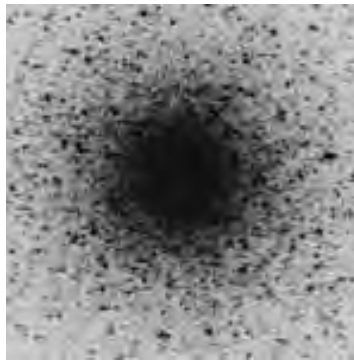
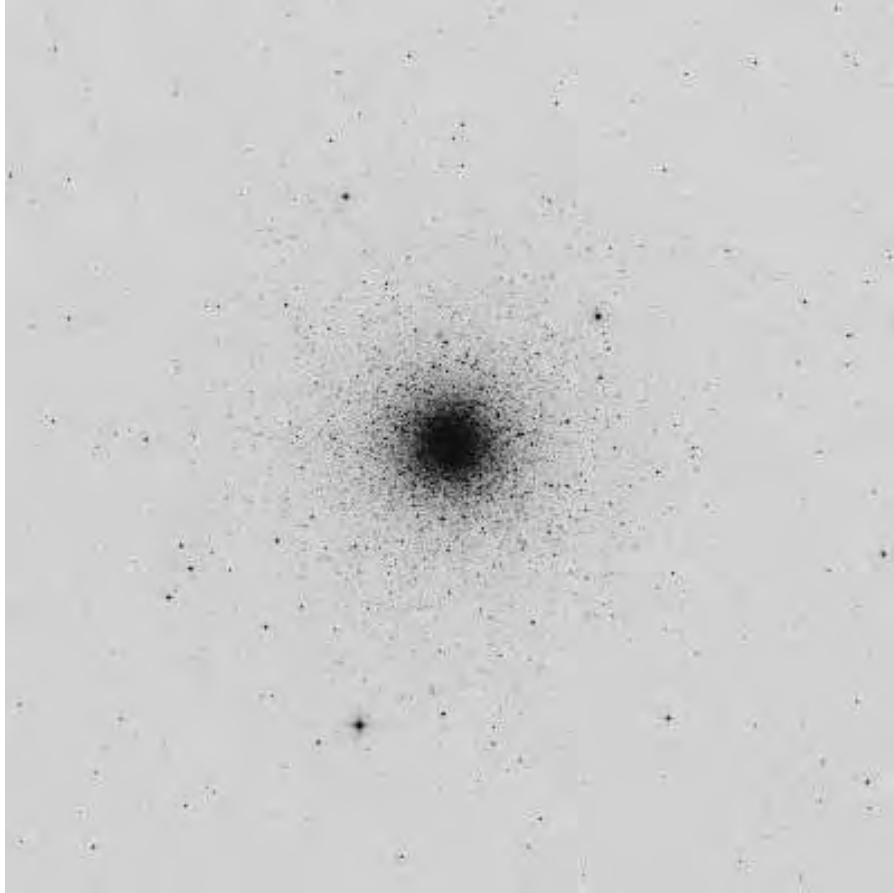
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5053		13 16 27.0	+17 41 53	9.47	-6.72	53.5	55.1

## NGC 5139 (Omega centauri) in Centaurus



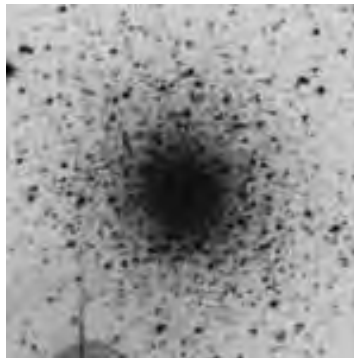
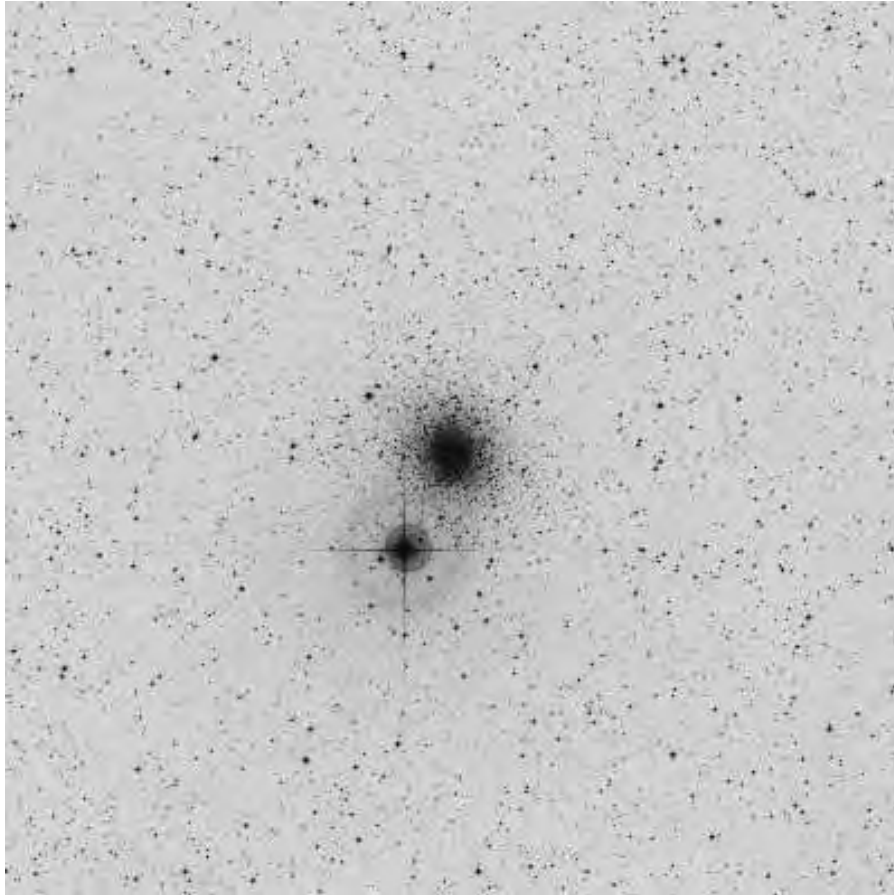
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc	
NGC 5139	omega Cen	13 26 45.9	-47 28 37	3.68	-	10.29	17.3	20.9

## NGC 5272 (M 3) in Canes Venatici



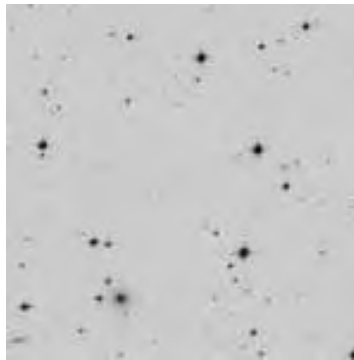
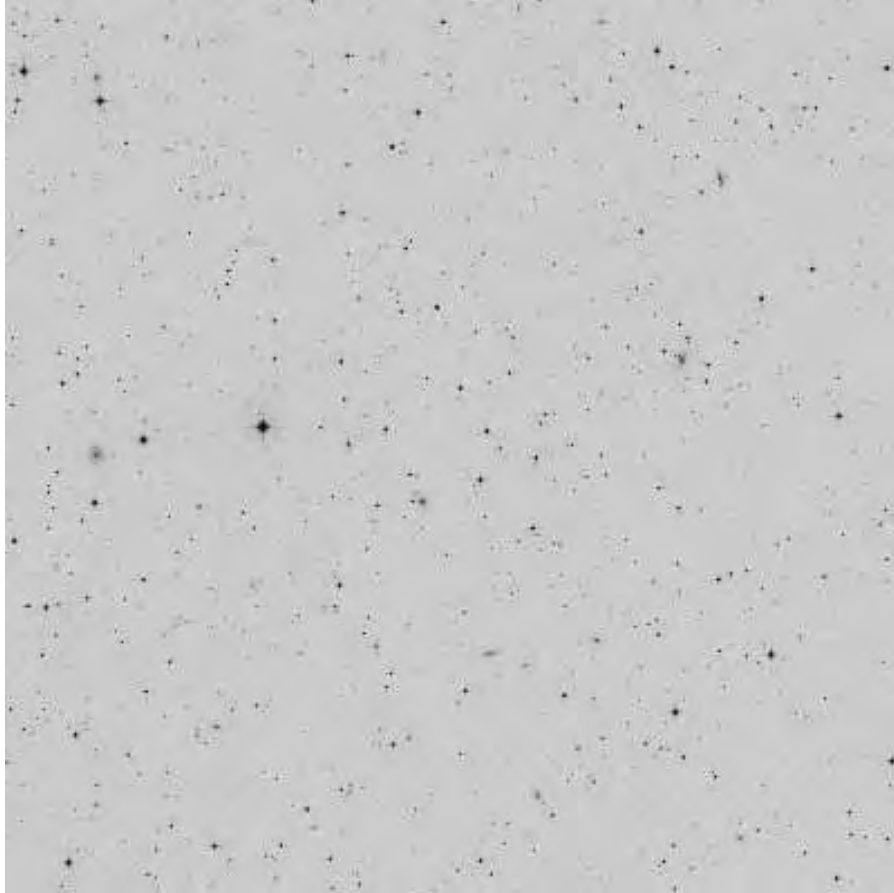
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5272	M 3	13 42 11.2	+28 22 32	6.19	-8.93	33.9	39.8

## NGC 5286 in Centaurus



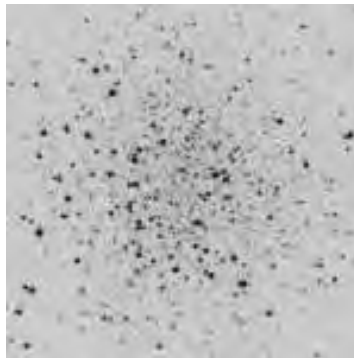
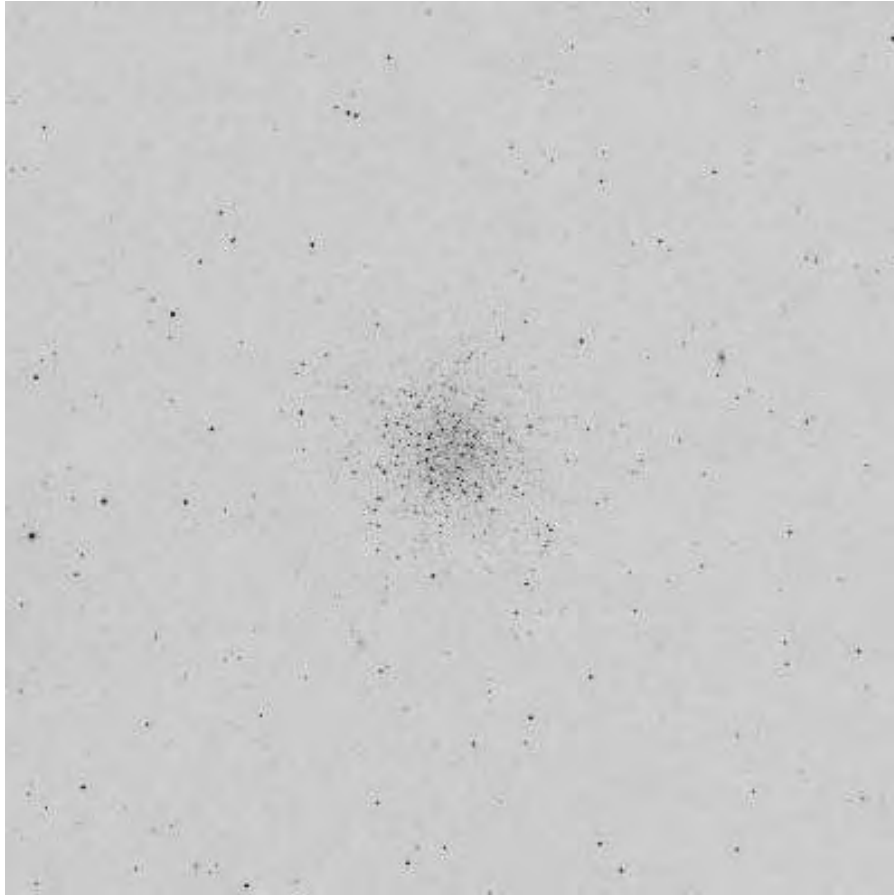
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5286		13 46 26.5	-51 22 24	7.34	-8.61	35.9	27.4

## AM 4 in Hydra



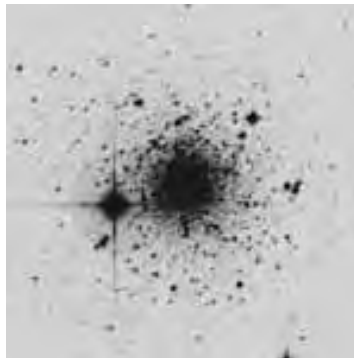
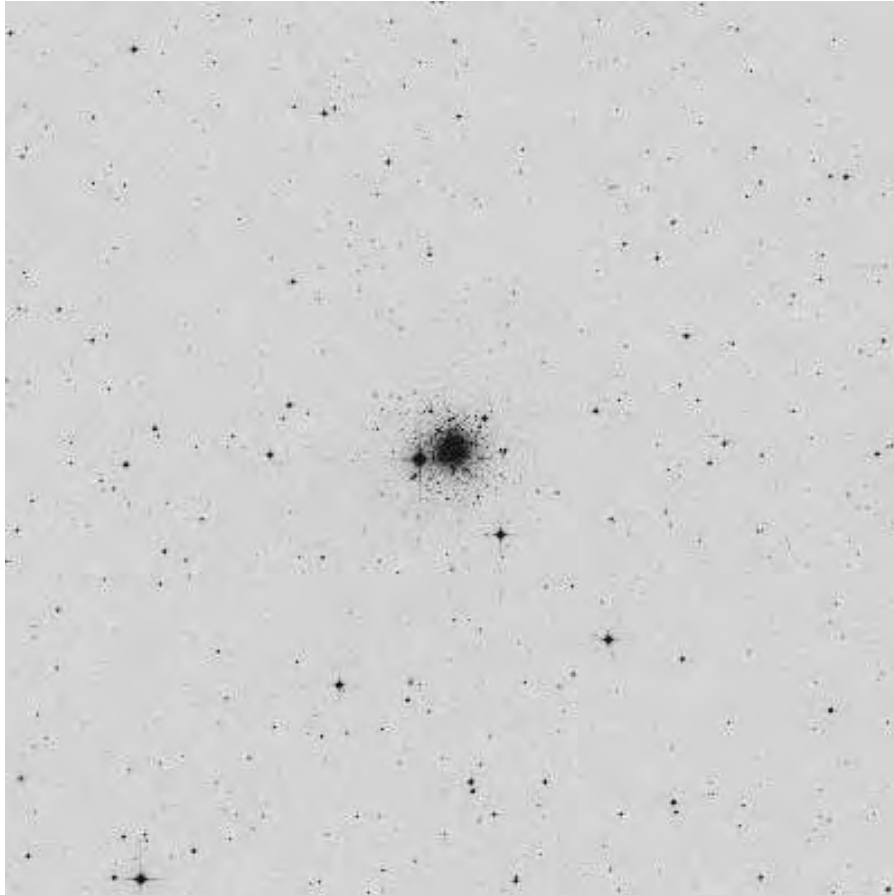
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
AM 4		13 55 50.1	-27 10 22	15.90	-1.60	97.5	83.1

## NGC 5466 in Bootes



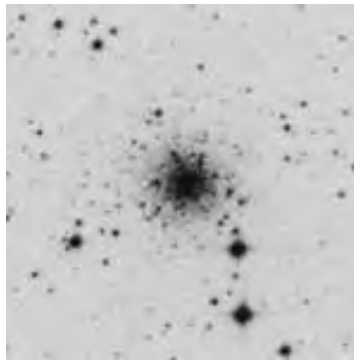
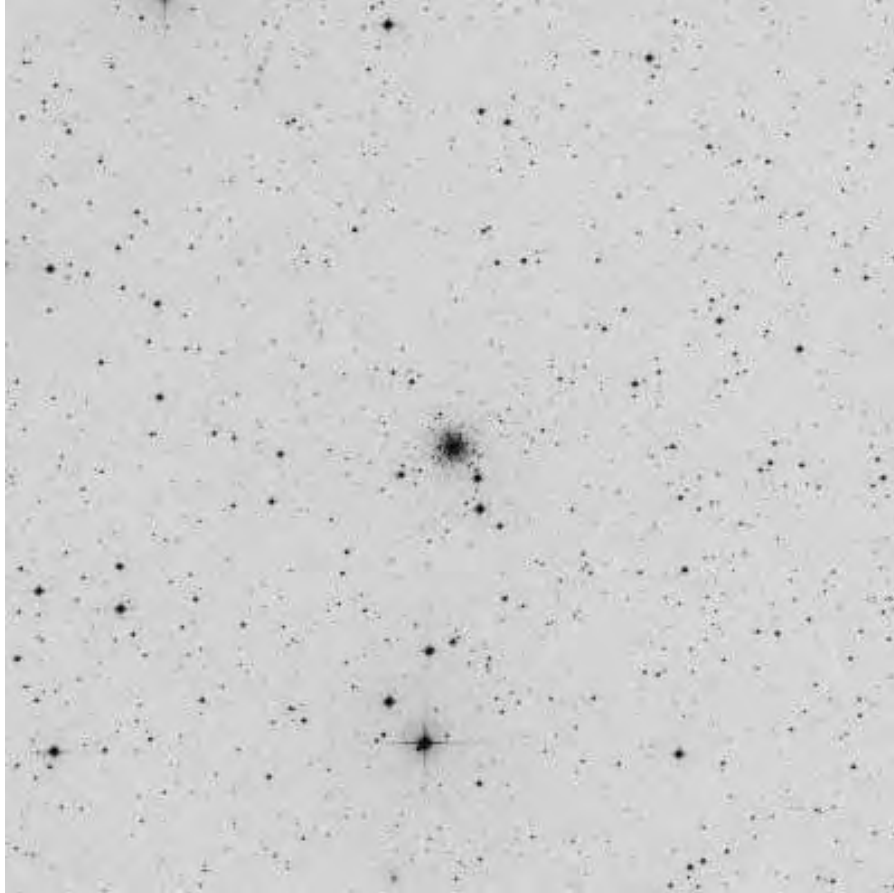
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5466		14 05 27.3	+28 32 04	9.04	-6.96	51.8	52.8

## NGC 5634 in Virgo



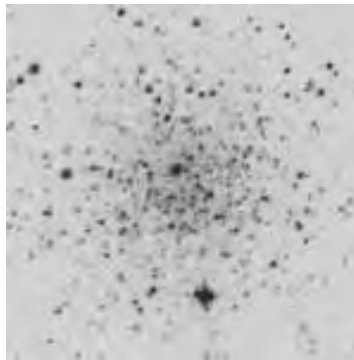
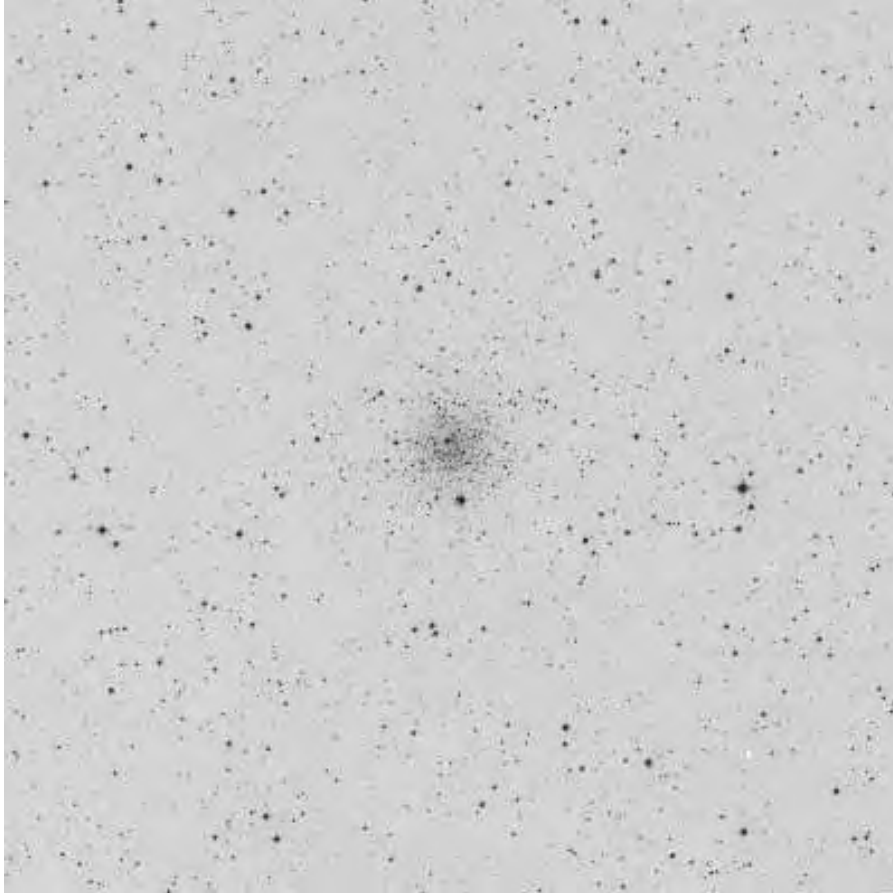
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5634		14 29 37.3	-05 58 35	9.47	-7.69	82.2	69.1

## NGC 5694 in Hydra



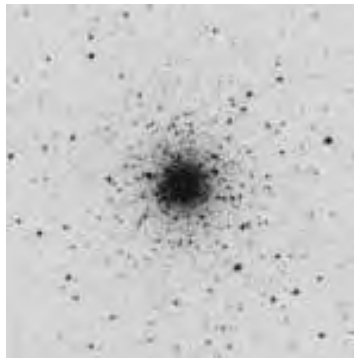
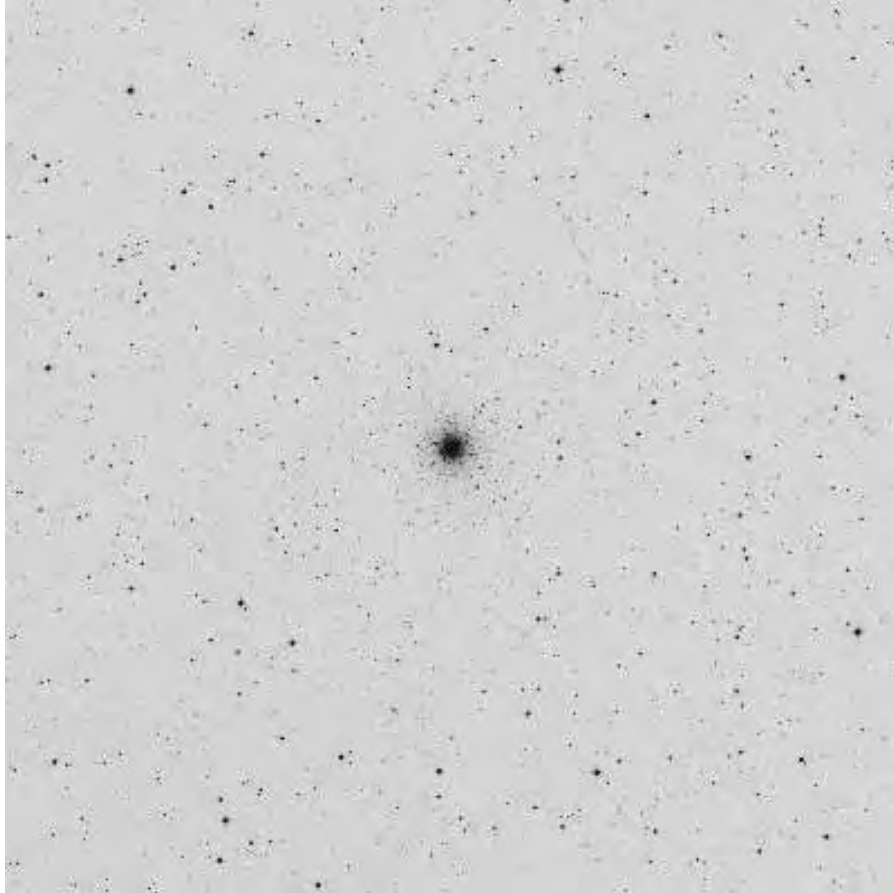
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5694		14 39 36.5	-26 32 18	10.17	-7.81	113.1	94.9

## IC 4499 in Apus



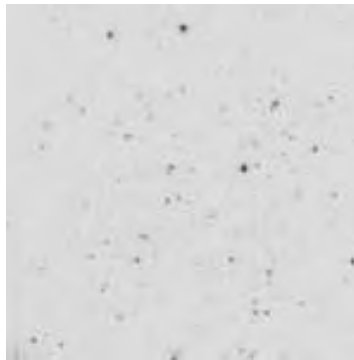
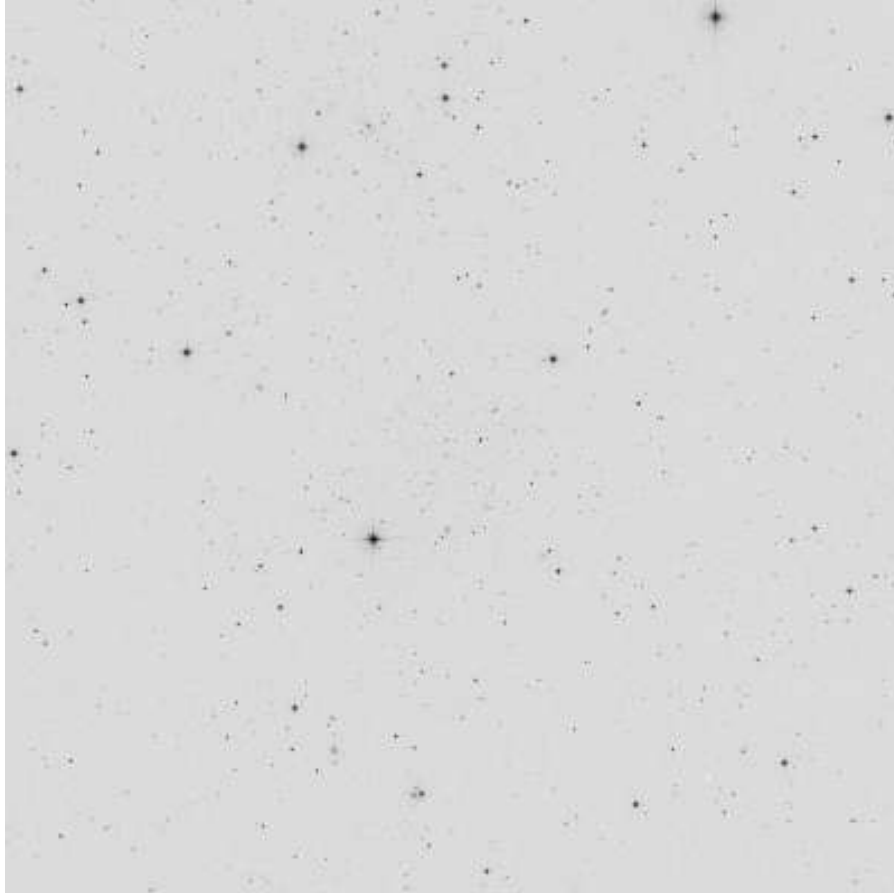
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
IC 4499		15 00 18.5	-82 12 49	9.76	-7.33	61.6	51.2

## NGC 5824 in Lupus



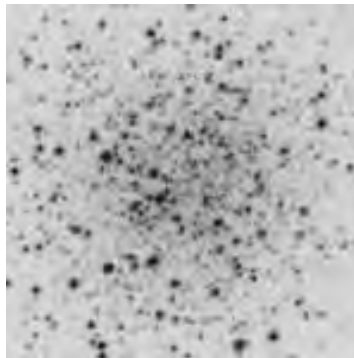
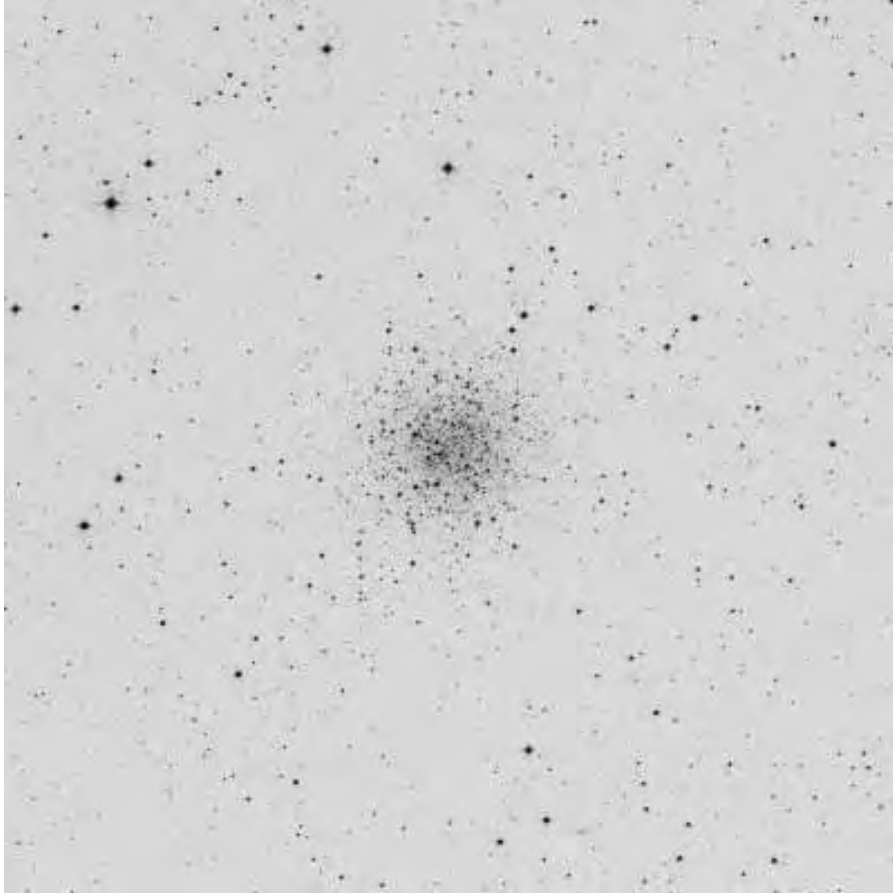
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5824		15 03 58.5	-33 04 04	9.09	-8.84	104.3	84.1

## Palomar 5 in Serpens Caput



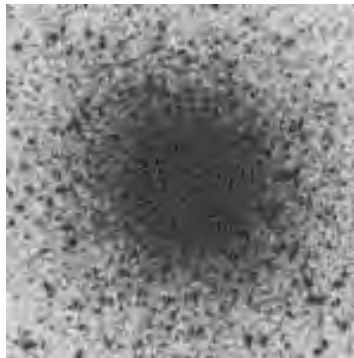
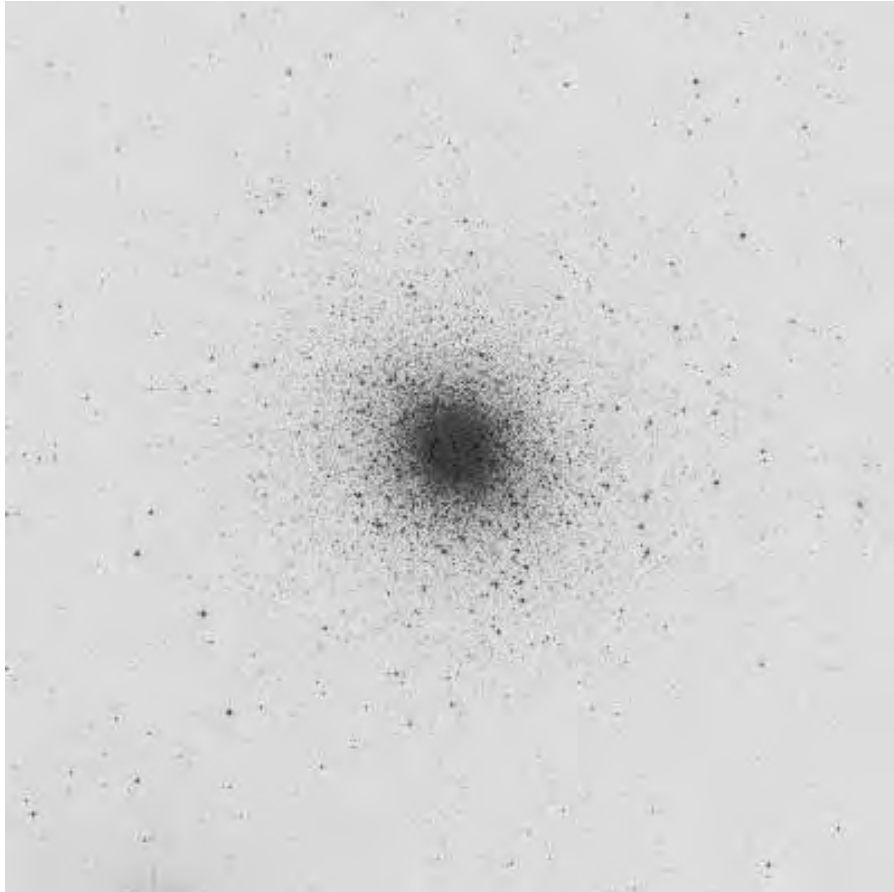
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 5		15 16 05.3	-00 06 41	11.75	-5.17	75.6	60.6

## NGC 5897 in Libra



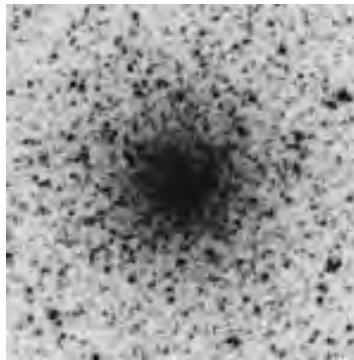
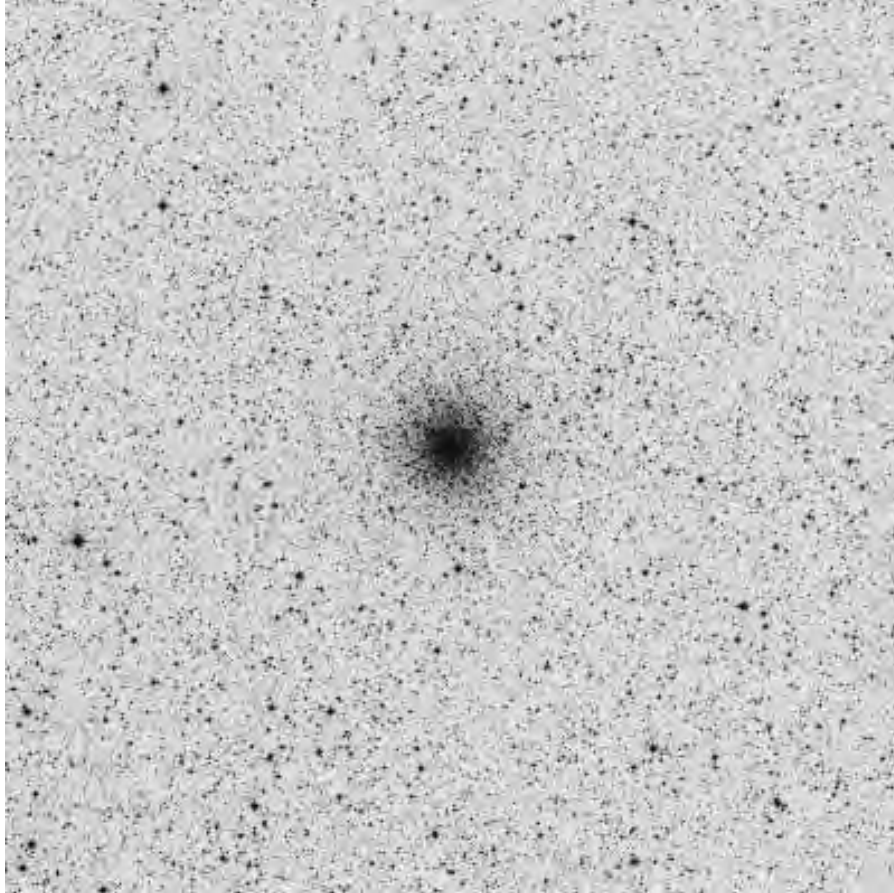
ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
NGC 5897		15 17 24.5	-21 00 37	8.53	-7.21	40.4	23.8

## NGC 5904 (M 5) in Serpens Caput



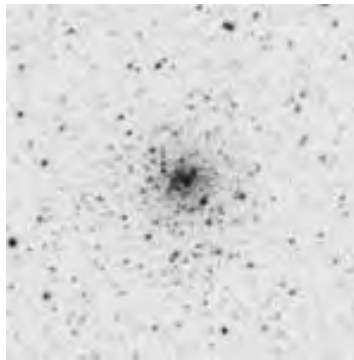
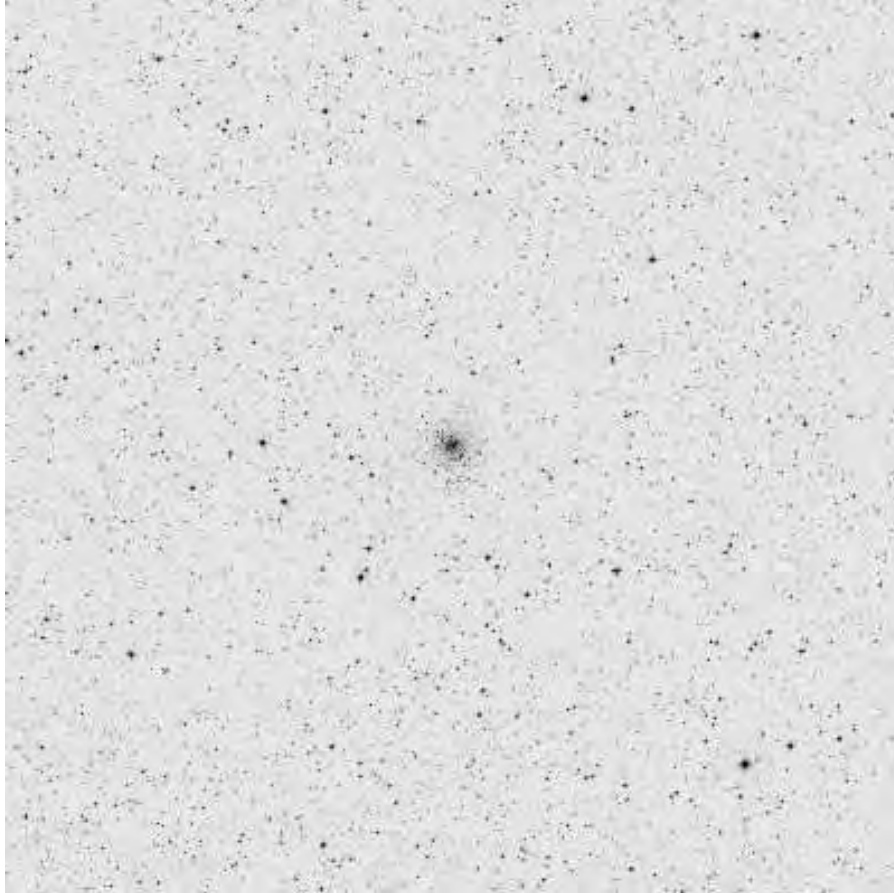
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5904	M 5	15 18 33.8	+02 04 58	5.65	-8.81	24.5	20.2

## NGC 5927 in Lupus



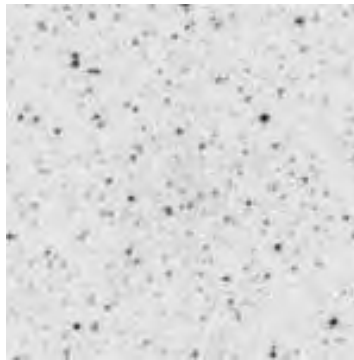
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5927		15 28 00.5	-50 40 22	8.01	-7.80	24.8	14.7

## NGC 5946 in Norma



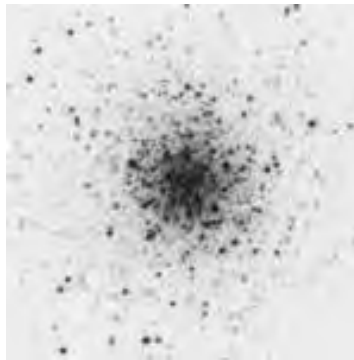
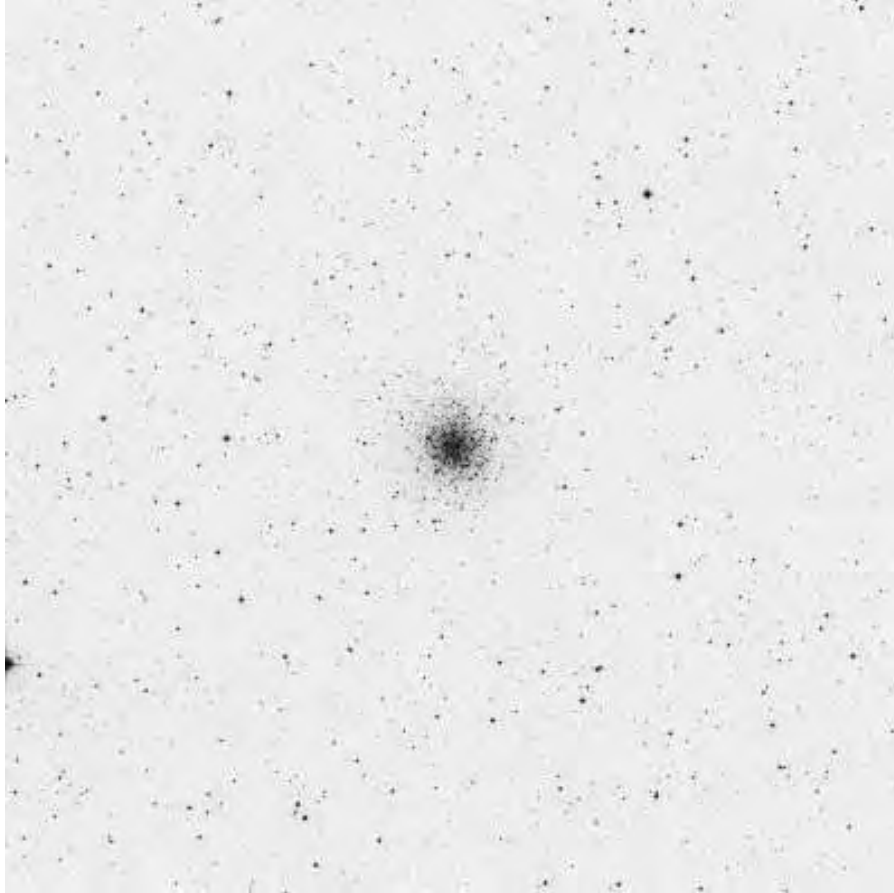
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5946		15 35 28.5	-50 39 34	9.61	-7.20	34.6	18.9

## BH 176 in Norma



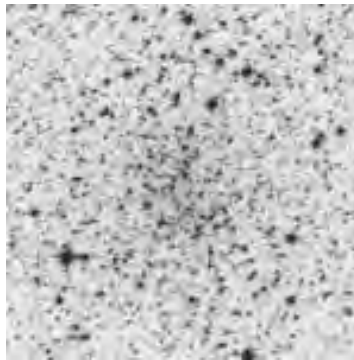
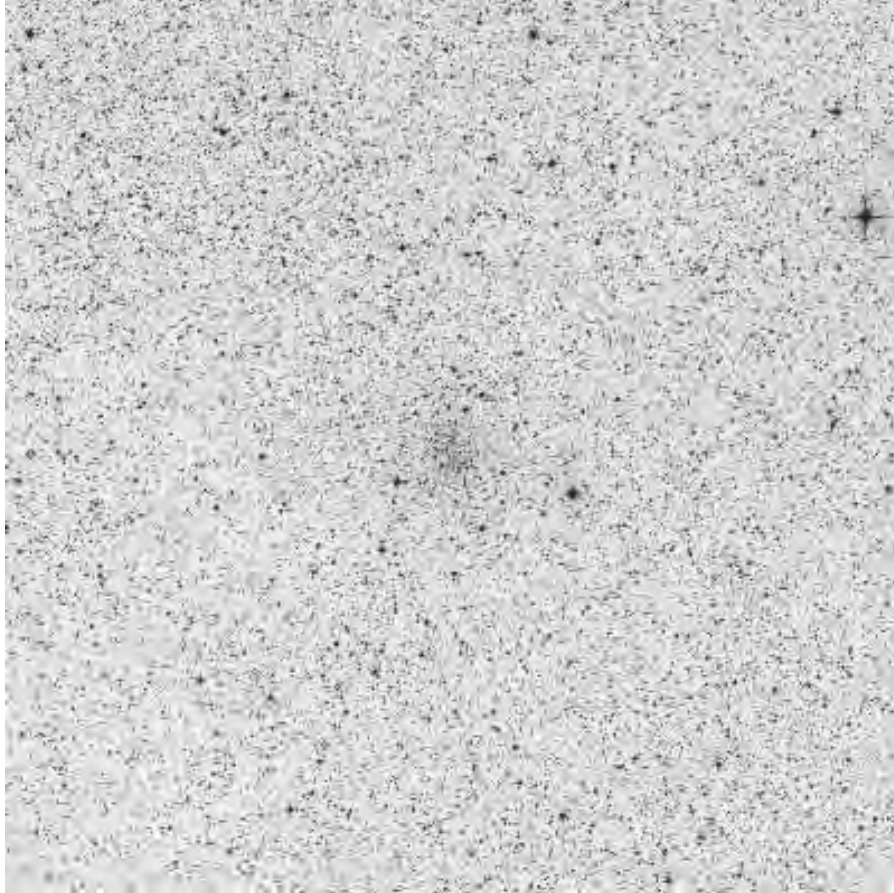
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
BH 176		15 39 07.3	-50 03 02	14.00	-4.35	50.9	31.6

## NGC 5986 in Lupus



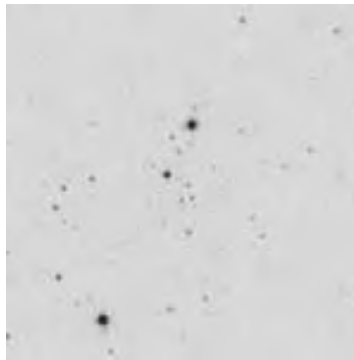
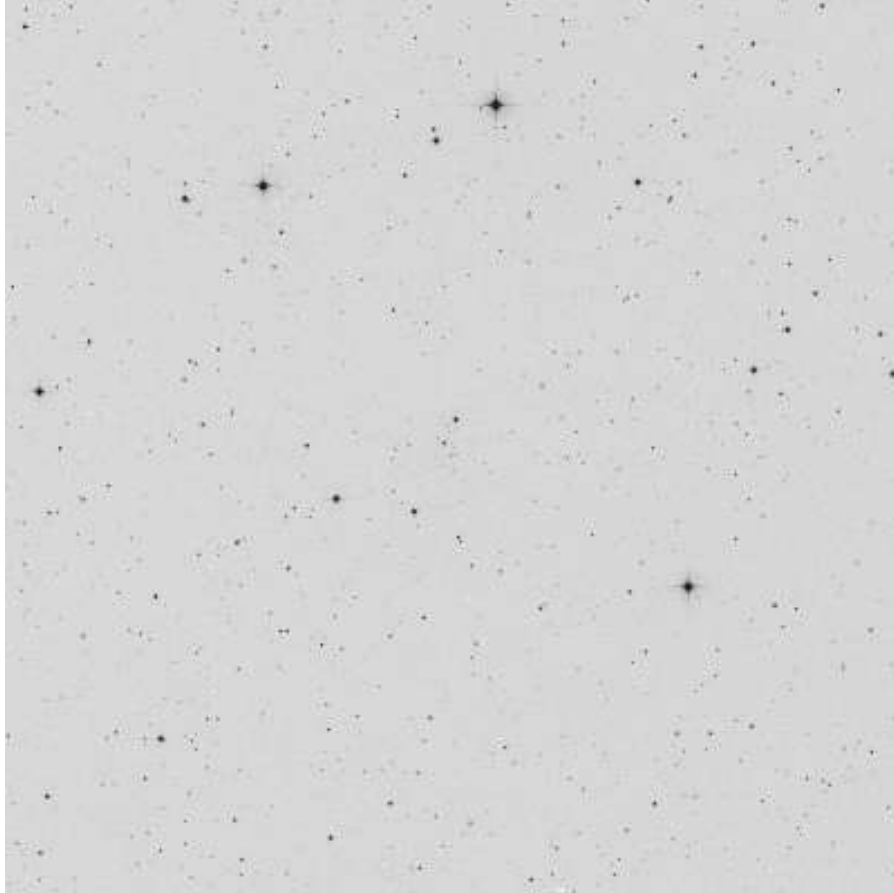
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 5986		15 46 03.5	-37 47 10	7.52	-8.44	33.9	15.6

## Lynga 7 in Norma



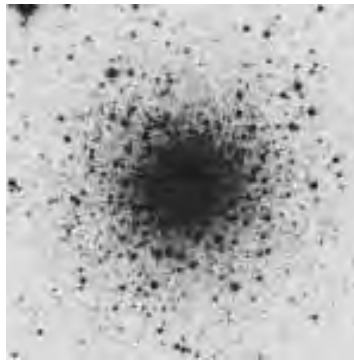
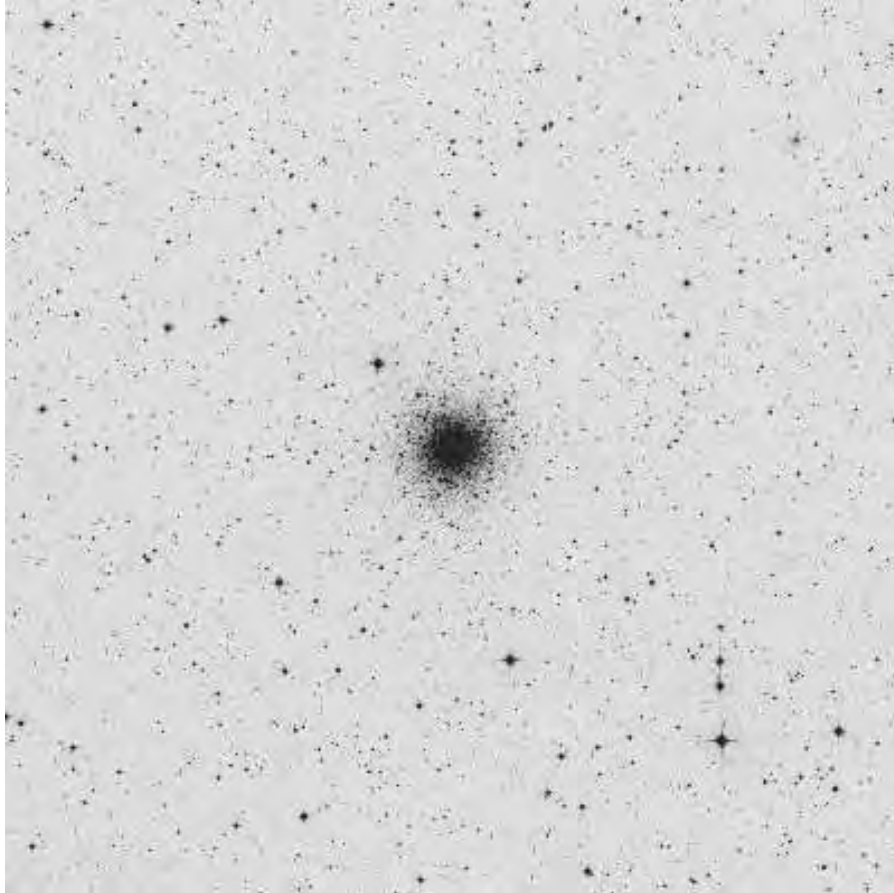
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Lynga 7		16 11 03.0	-55 18 52			23.5	13.7

## Palomar 14 in Hercules



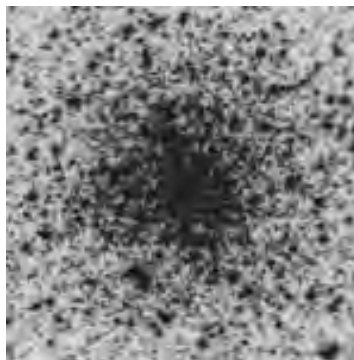
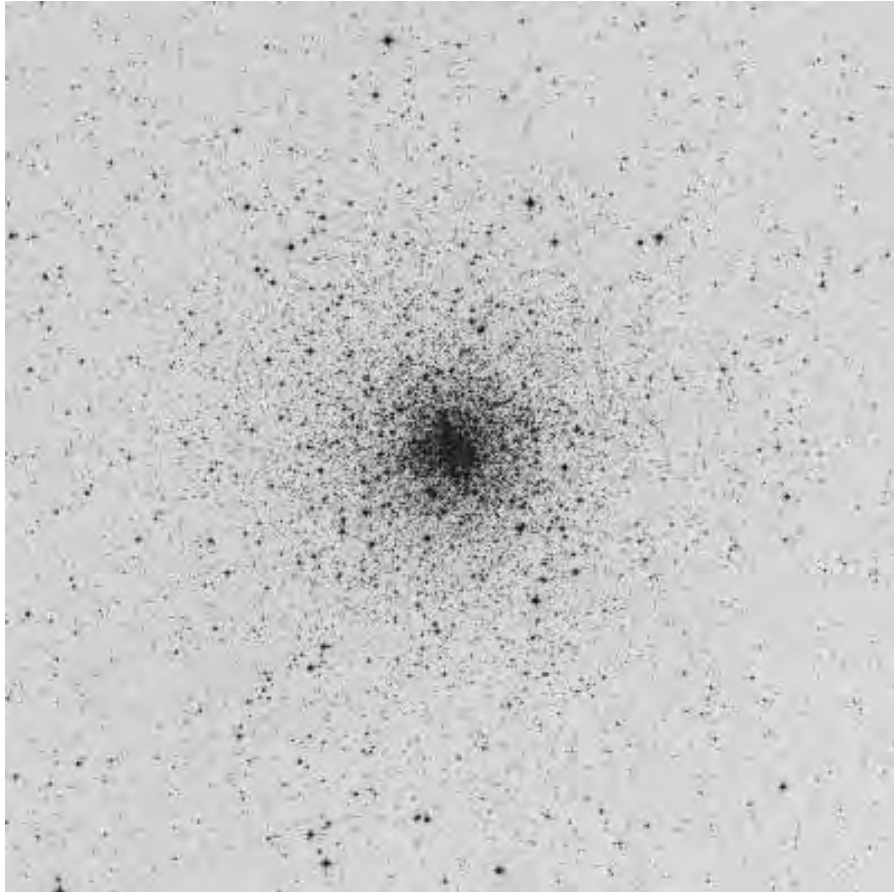
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 14	AvdB	16 11 04.9	+14 57 29	14.74	-4.73	240.9	224.9

## NGC 6093 (M 80) in Scorpius



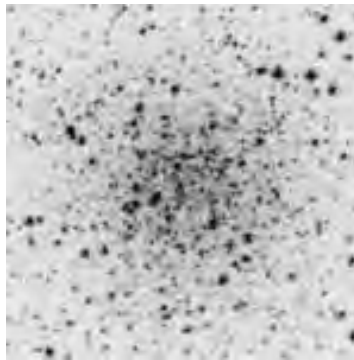
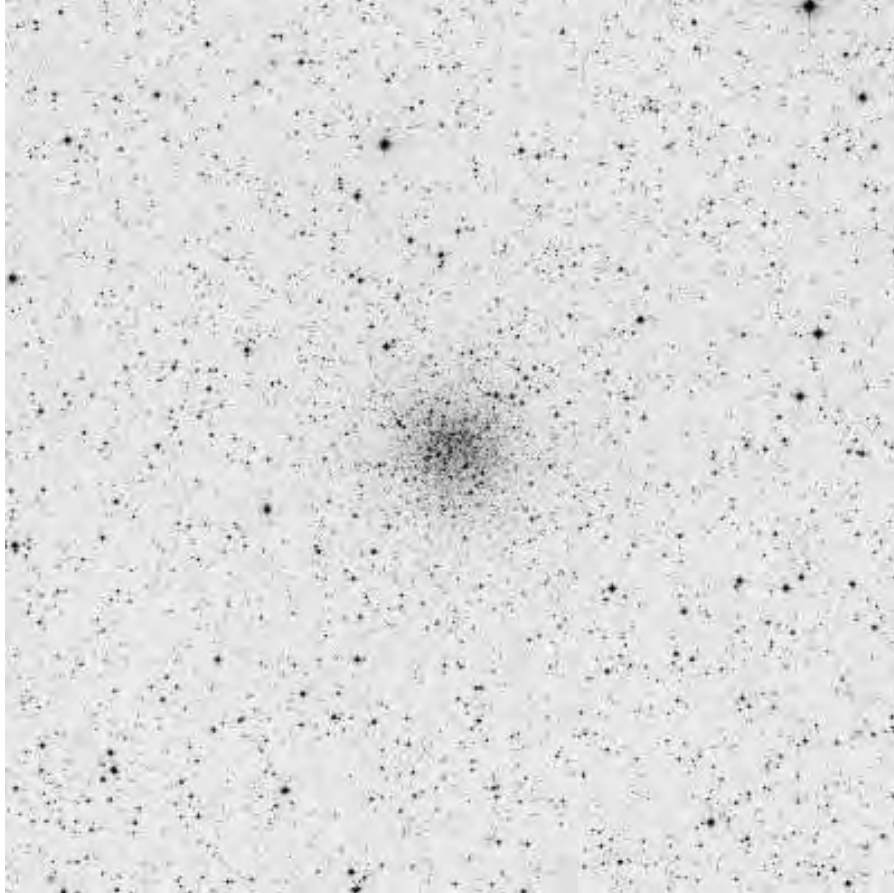
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6093	M 80	16 17 02.5	-22 58 30	7.33	-8.23	32.6	12.4

## NGC 6121 (M 4) in Scorpius



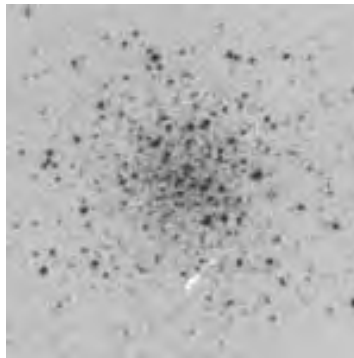
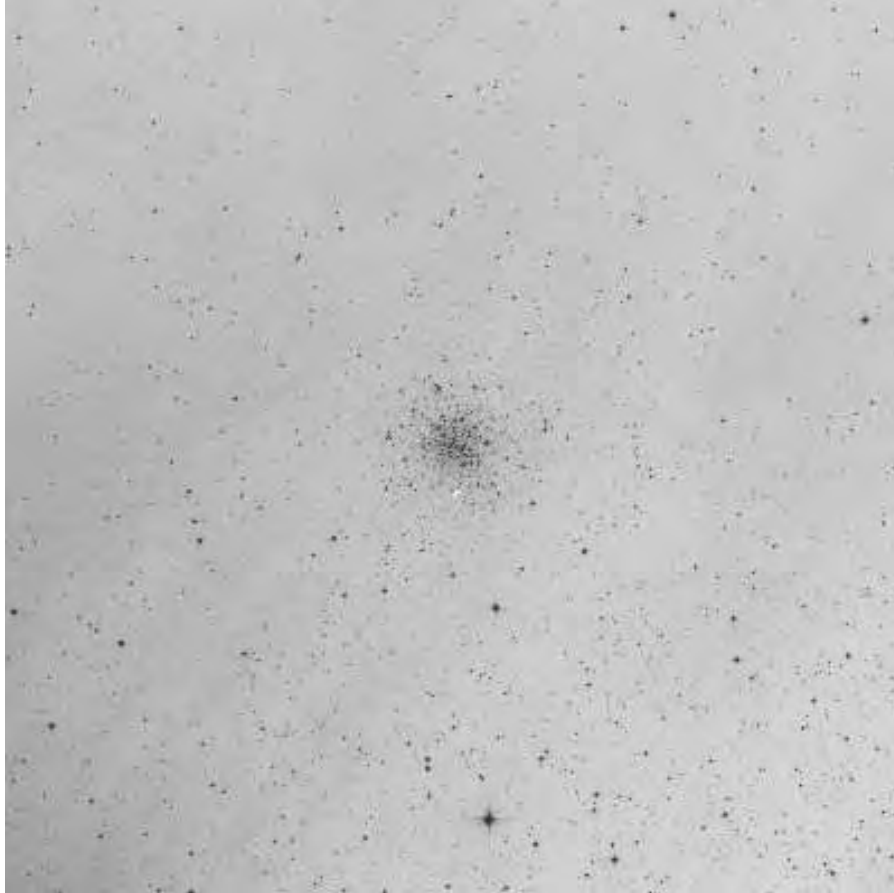
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6121	M 4	16 23 35.5	-26 31 31	5.63	-7.20	7.2	19.2

## NGC 6101 in Apus



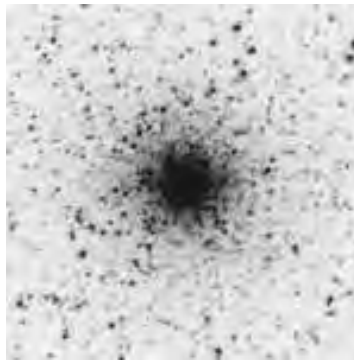
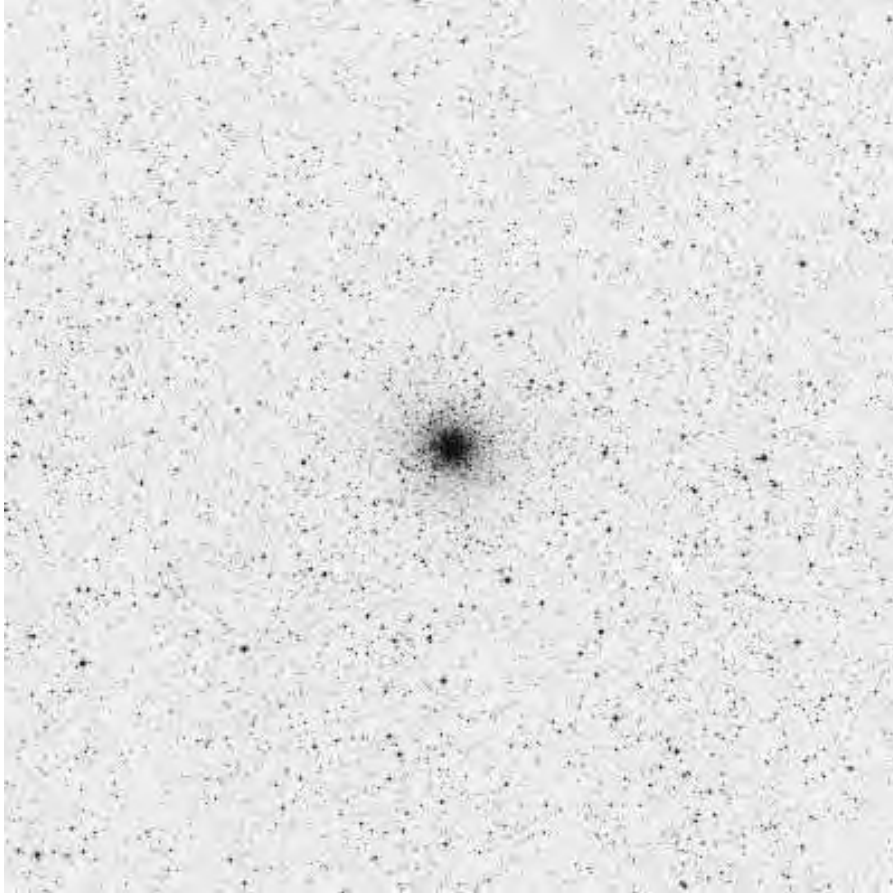
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6101		16 25 48.6	-72 12 06	9.16	-6.91	49.9	36.2

## NGC 6144 in Scorpius



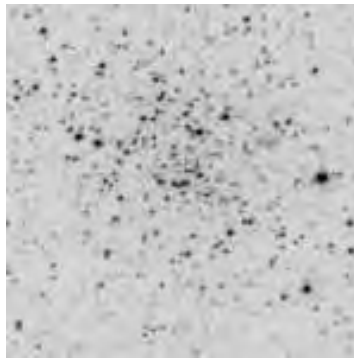
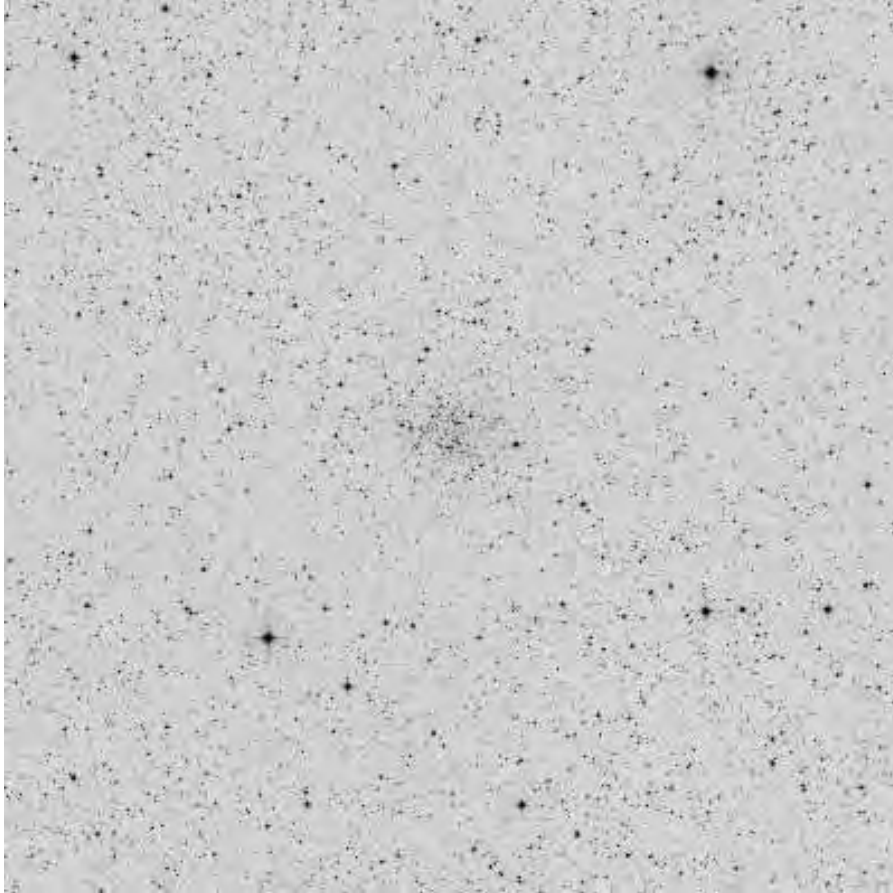
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6144		16 27 14.1	-26 01 29	9.01	-6.75	27.7	8.5

## NGC 6139 in Scorpius



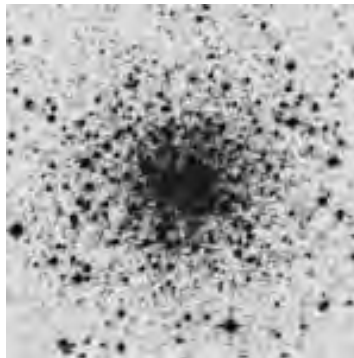
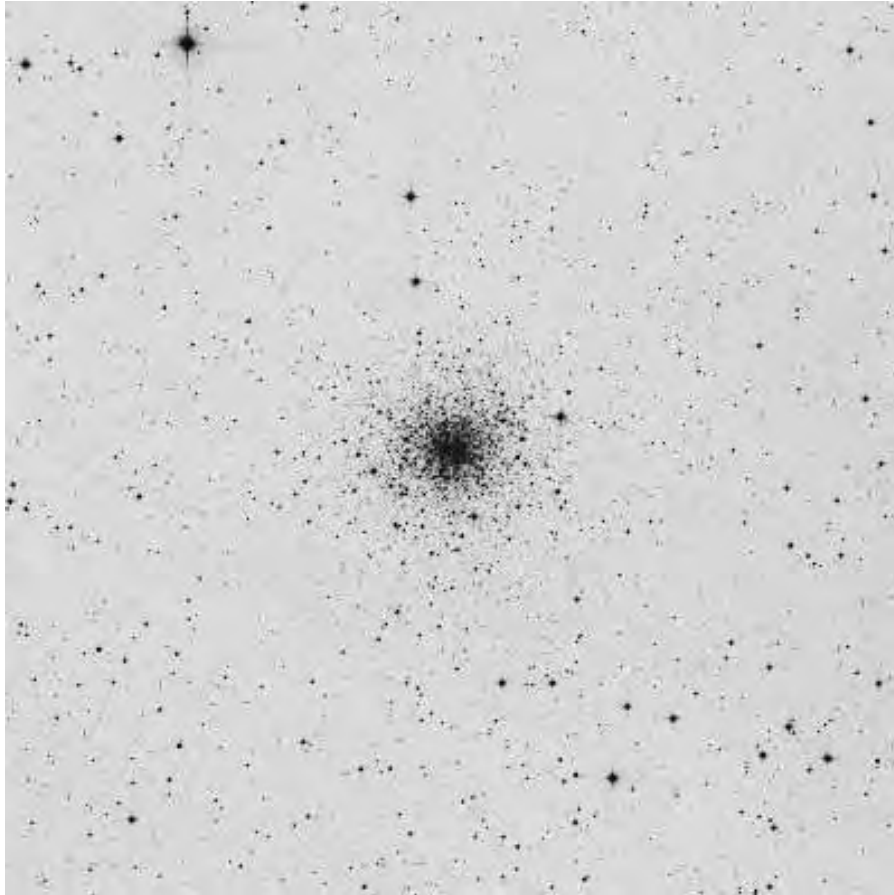
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6139		16 27 40.4	-38 50 56	8.99	-8.36	32.9	11.7

## Terzan 3 in Scorpius



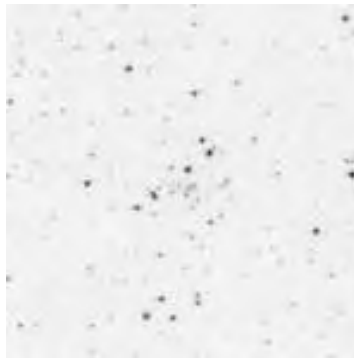
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 3		16 28 40.1	-35 21 13	12.00	-4.61	24.5	7.8

## NGC 6171 (M 107) in Ophiuchus



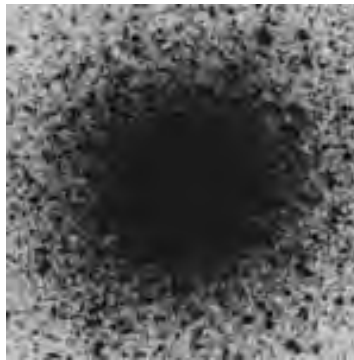
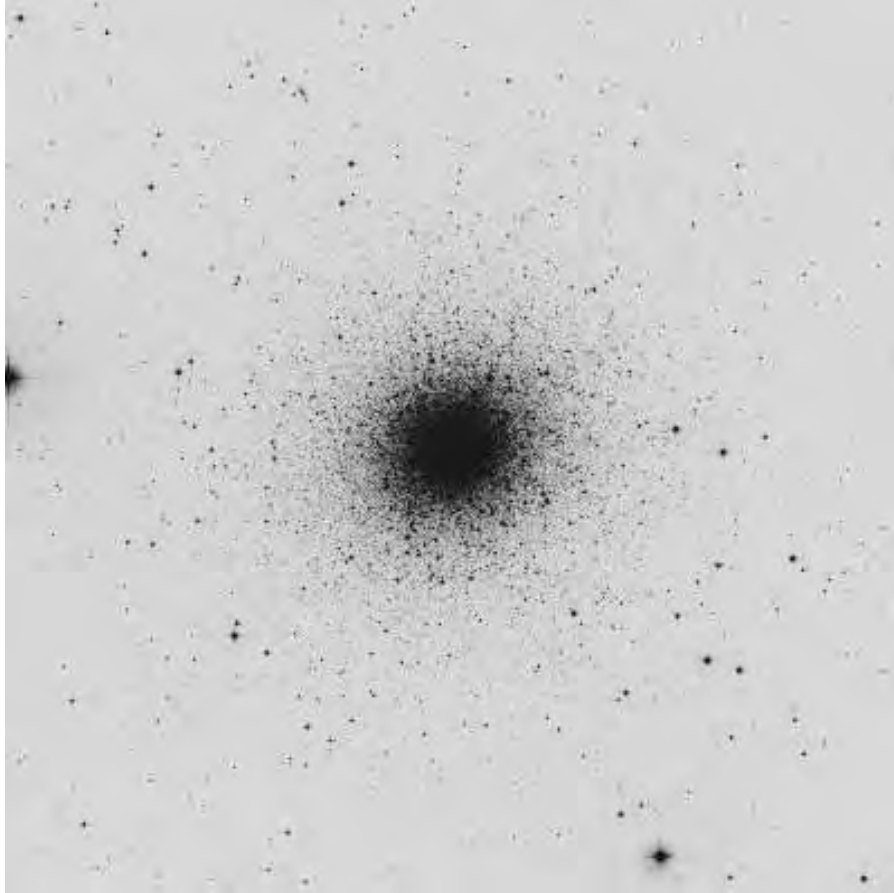
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6171	M 107	16 32 31.9	-13 03 13	7.93	-7.13	20.9	10.8

## 1636 - 283 (ESO 452-SC 11) in Scorpius



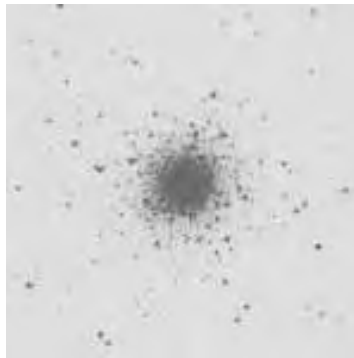
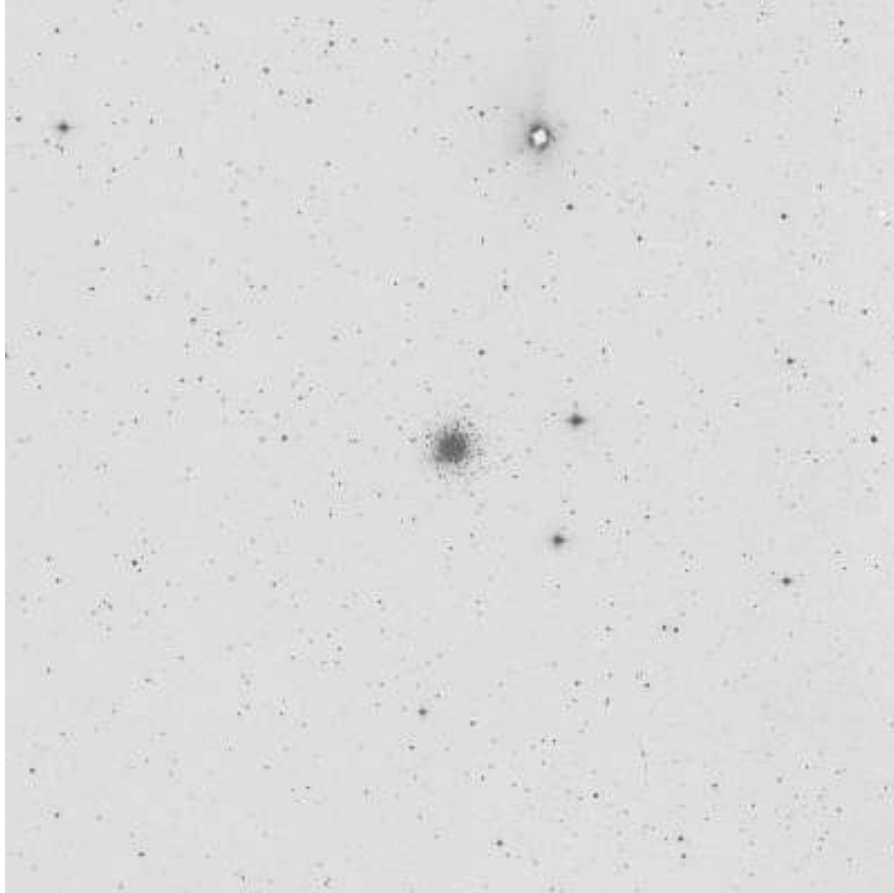
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
1636-283	ESO452-SC11	16 39 25.5	-28 23 52	12.00	-3.97	25.4	6.5

## NGC 6205 (M 13) in Hercules



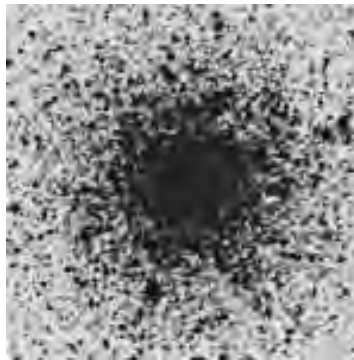
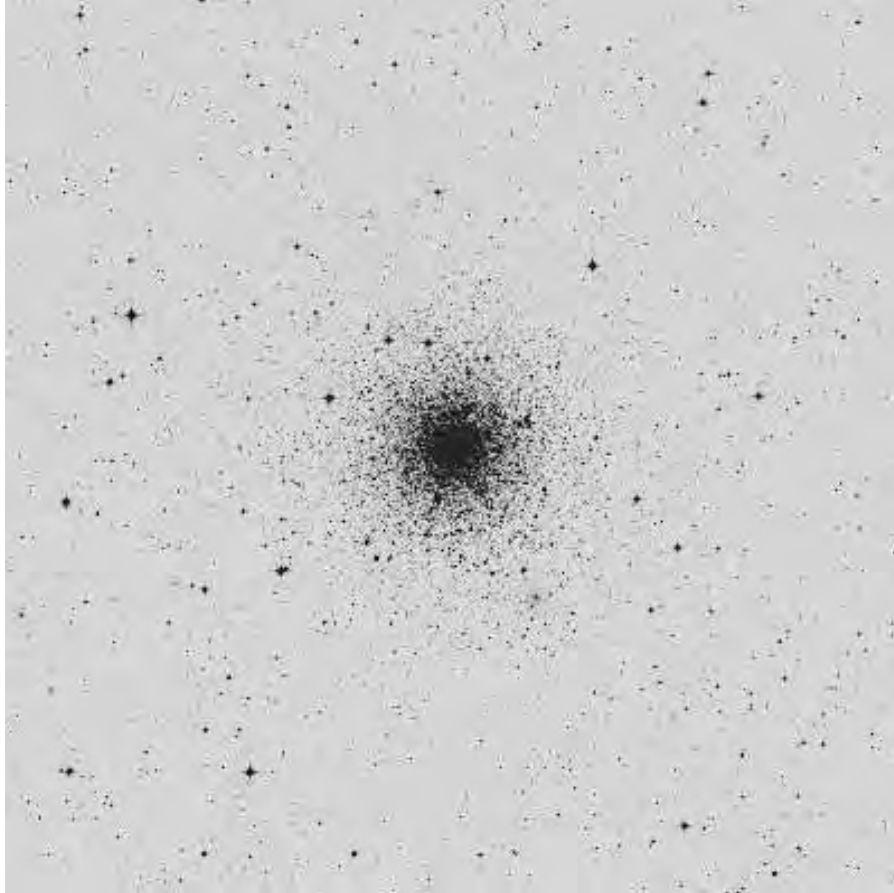
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6205	M 13	16 41 41.5	+36 27 37	5.78	-8.70	25.1	28.4

## NGC 6229 in Hercules



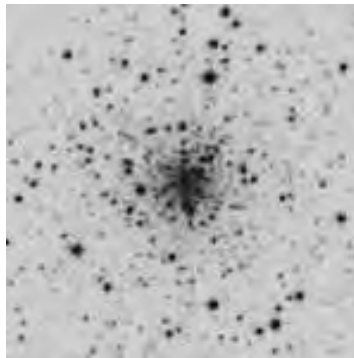
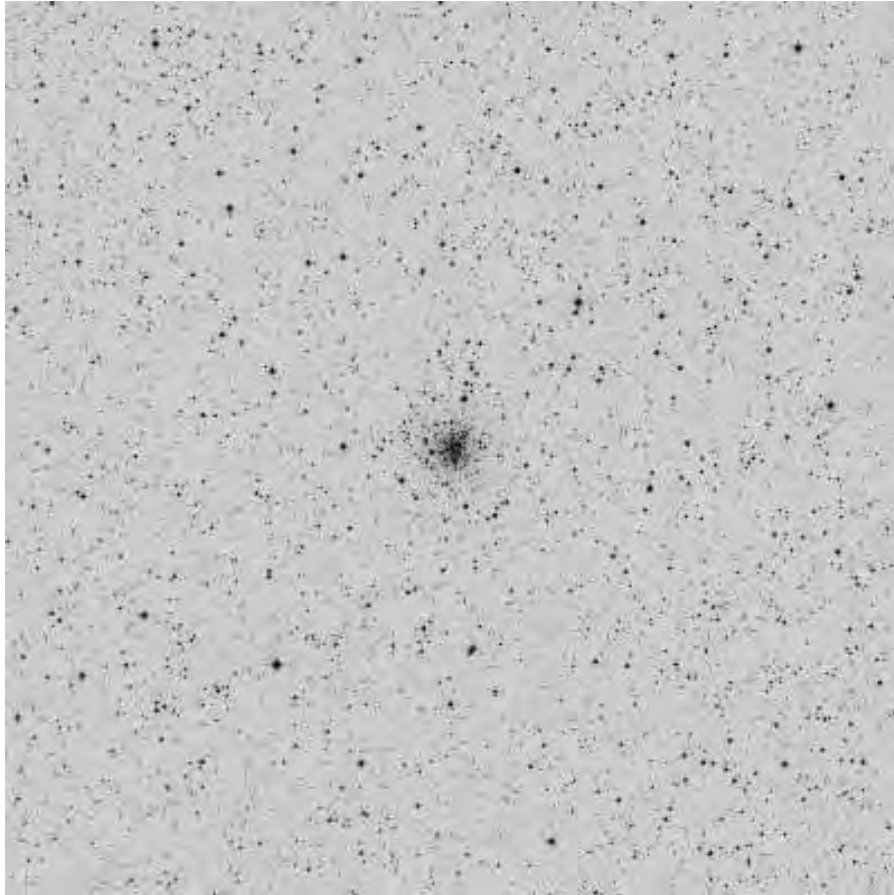
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6229		16 46 58.9	+47 31 40	9.39	-8.05	99.1	96.8

## NGC 6218 (M 12) in Ophiuchus



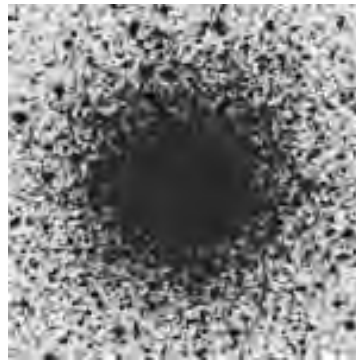
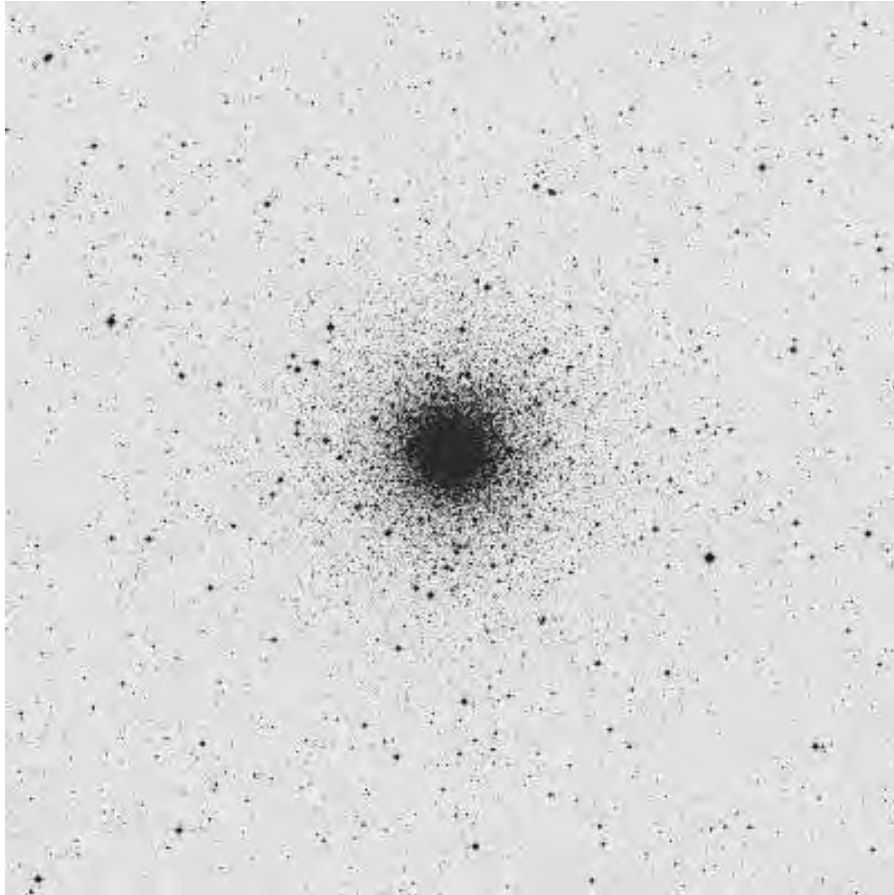
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6218	M 12	16 47 14.5	-01 56 52	6.70	-7.32	16	14.7

## NGC 6235 in Ophiuchus



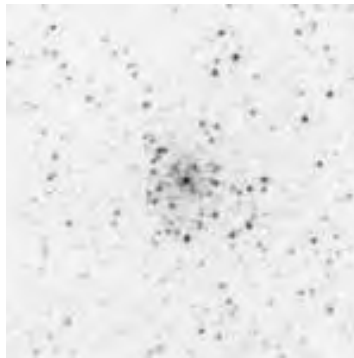
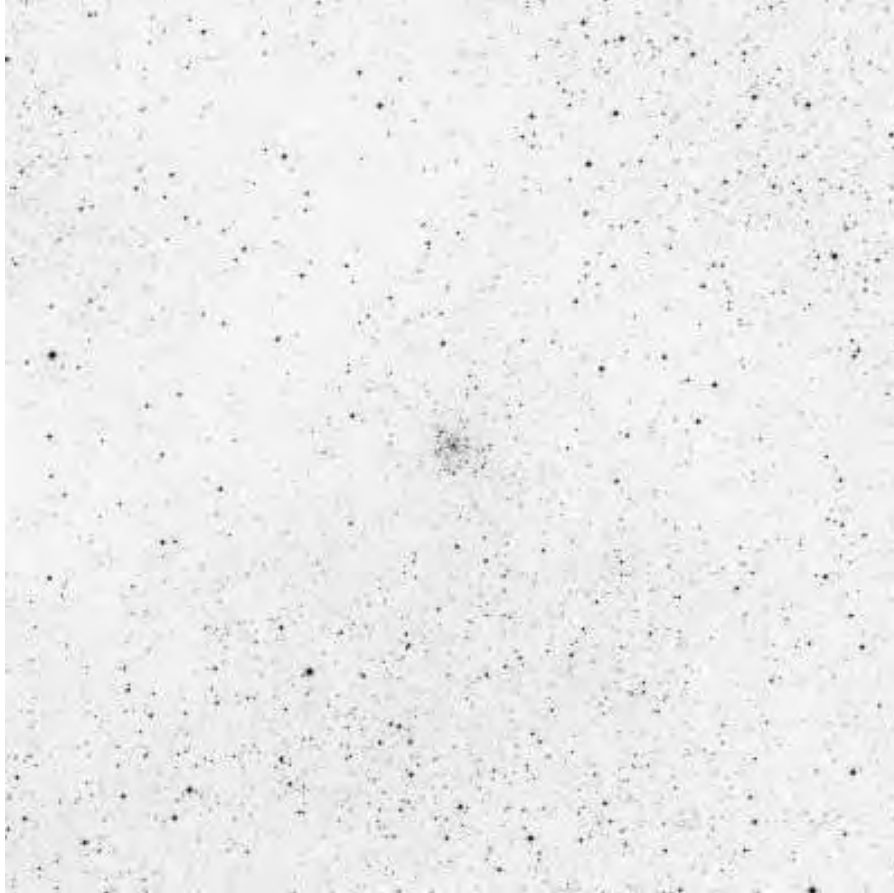
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6235		16 53 25.4	-22 10 38	9.97	-6.44	37.2	13.4

## NGC 6254 (M 10) in Ophiuchus



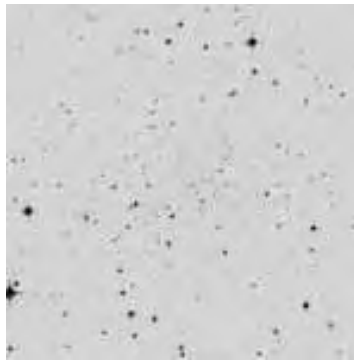
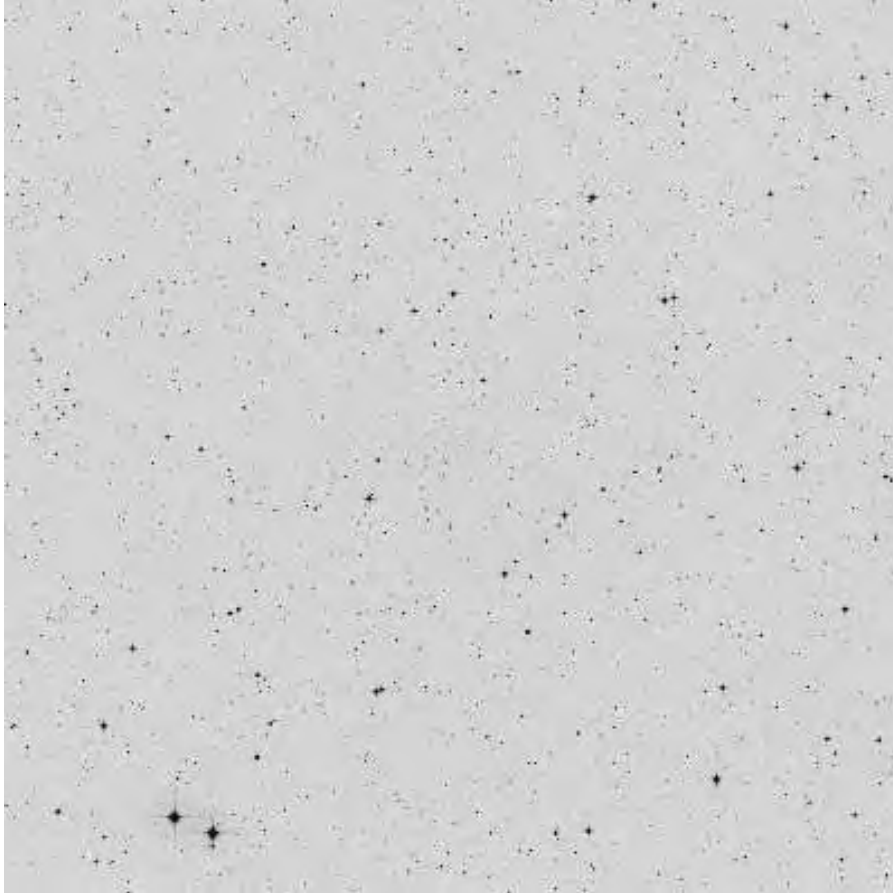
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6254	M 10	16 57 08.9	-04 05 58	6.60	-7.48	14.3	15

## NGC 6256 in Scorpius



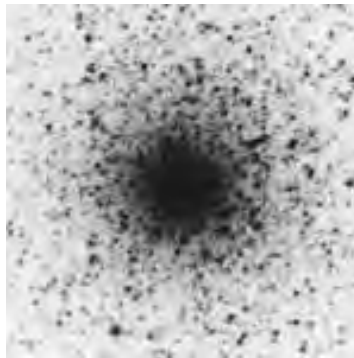
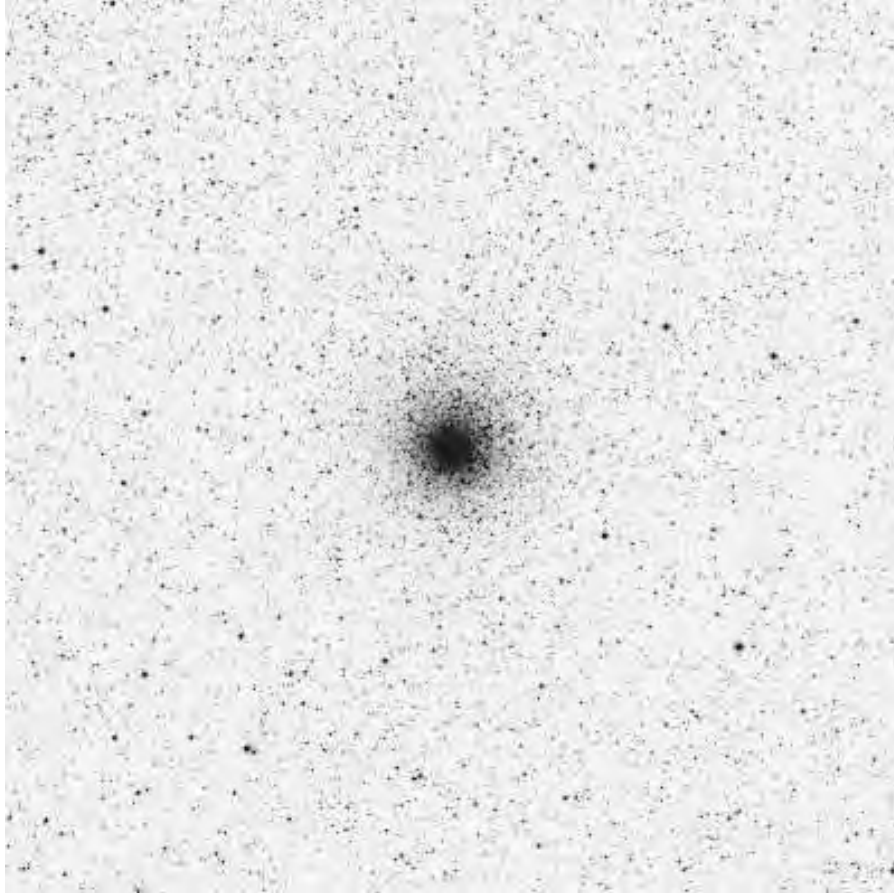
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6256		16 59 32.6	-37 07 17	11.29	-6.52	27.4	5.9

## Palomar 15 in Ophiuchus



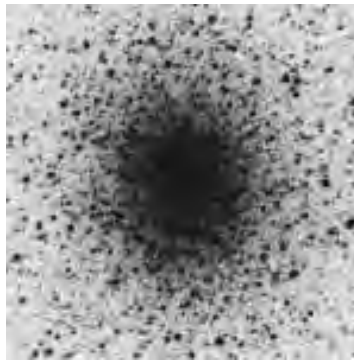
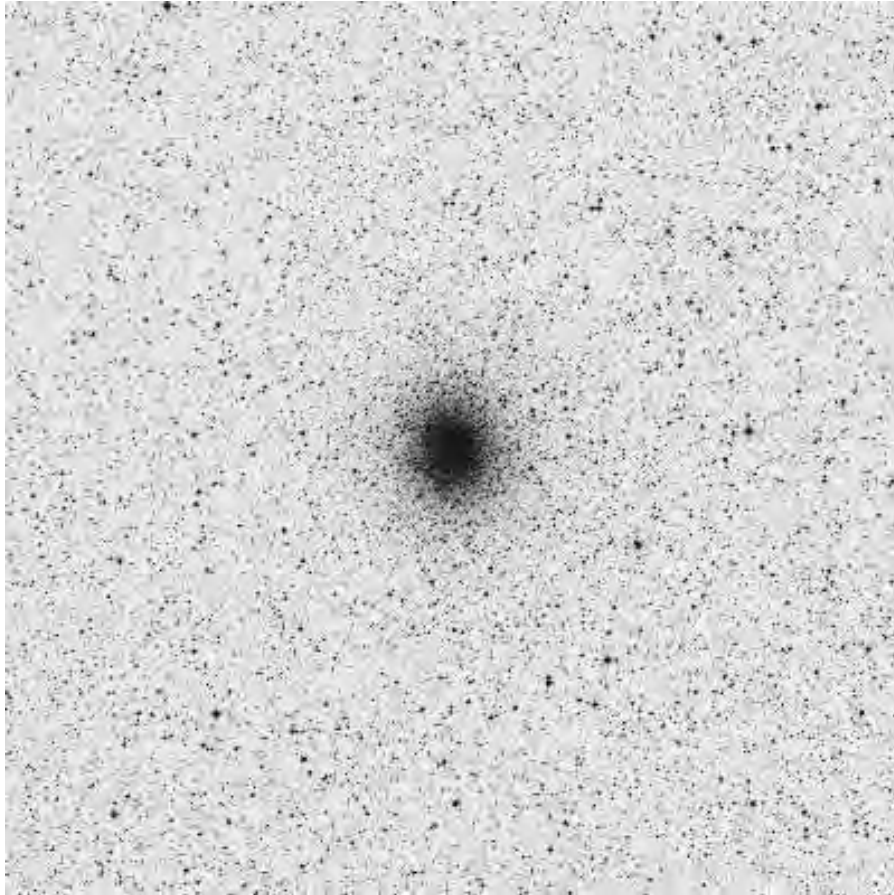
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 15		17 00 02.4	-00 32 31	14.00	-5.49	145.4	123.6

## NGC 6266 (M 62) in Ophiuchus



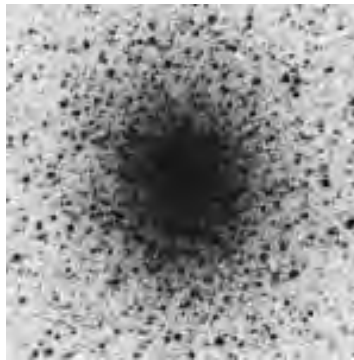
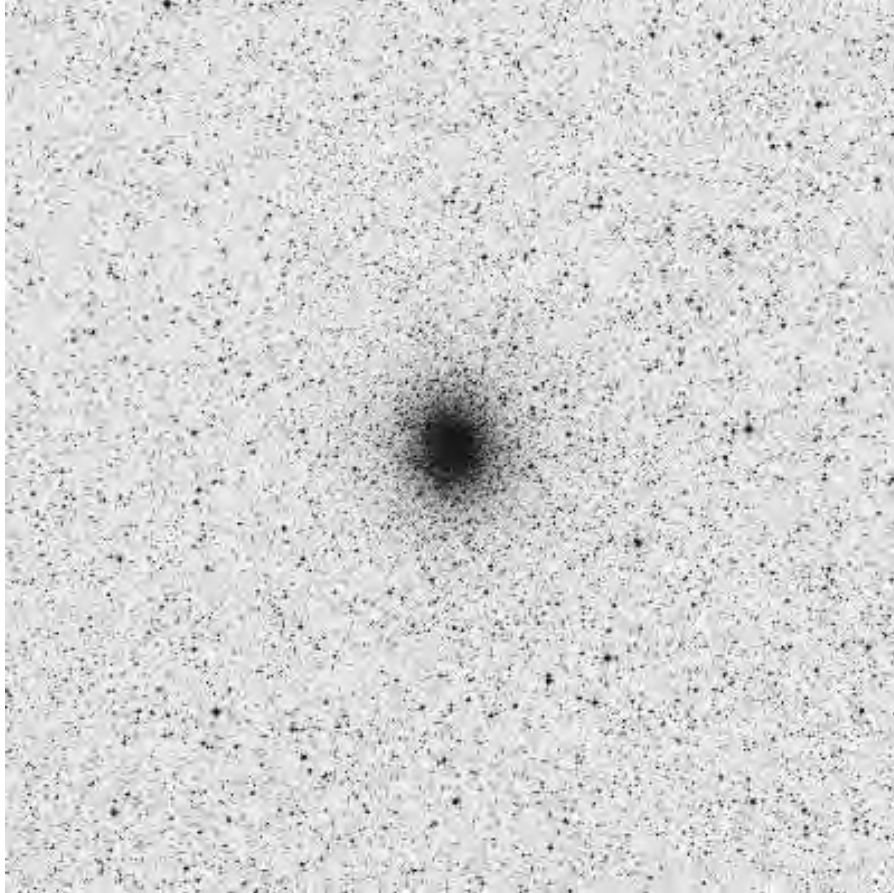
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6266	M 62	17 01 12.8	-30 06 49	6.45	-9.19	22.5	5.5

## NGC 6273 (M 19) in Ophiuchus



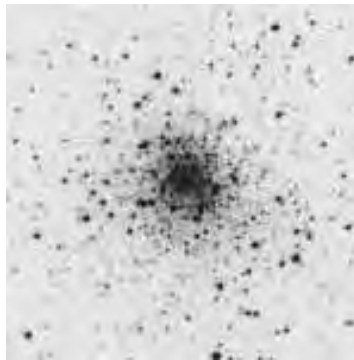
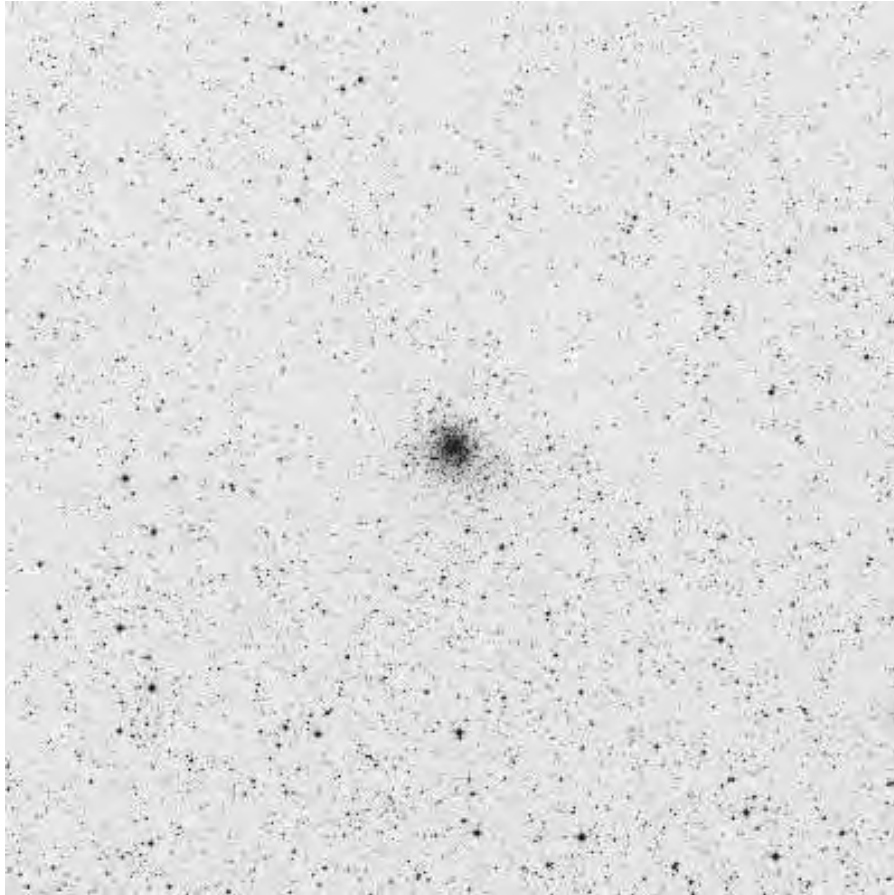
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6273	M 19	17 02 37.8	-26 16 05	6.77	-9.18	28	5.2

## NGC 6284 in Ophiuchus



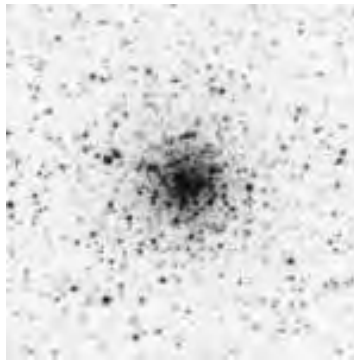
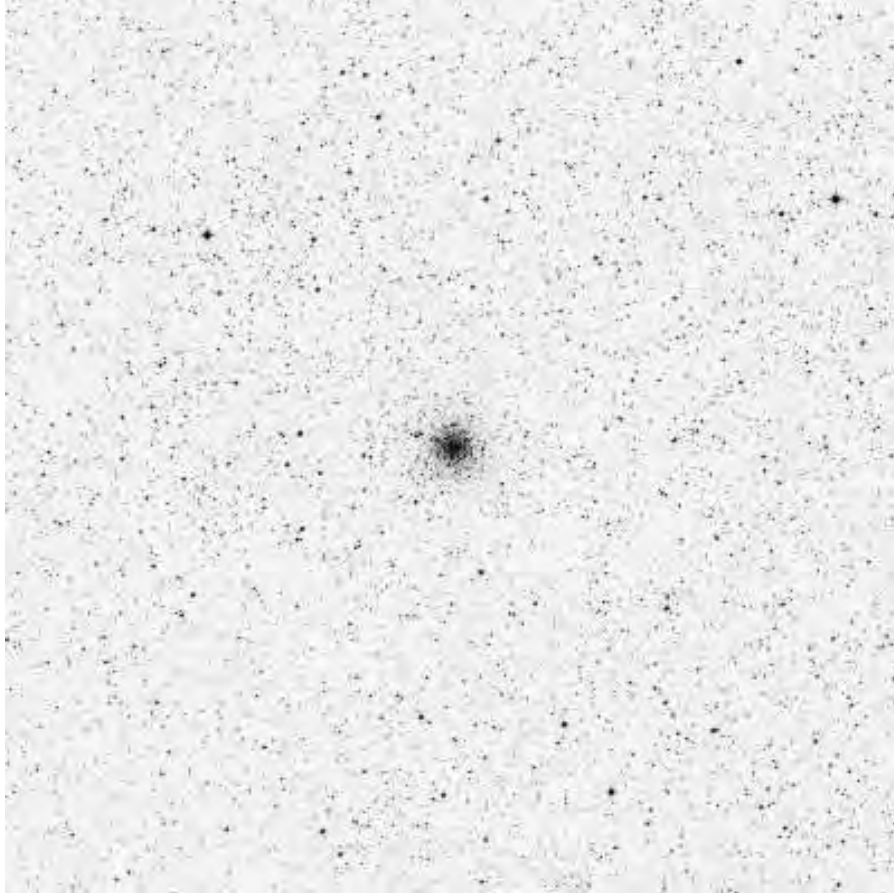
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6284		17 04 28.8	-24 45 53	8.83	-7.97	49.9	24.8

## NGC 6287 in Ophiuchus



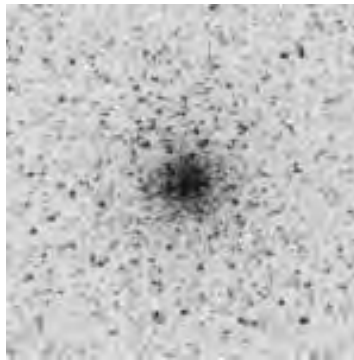
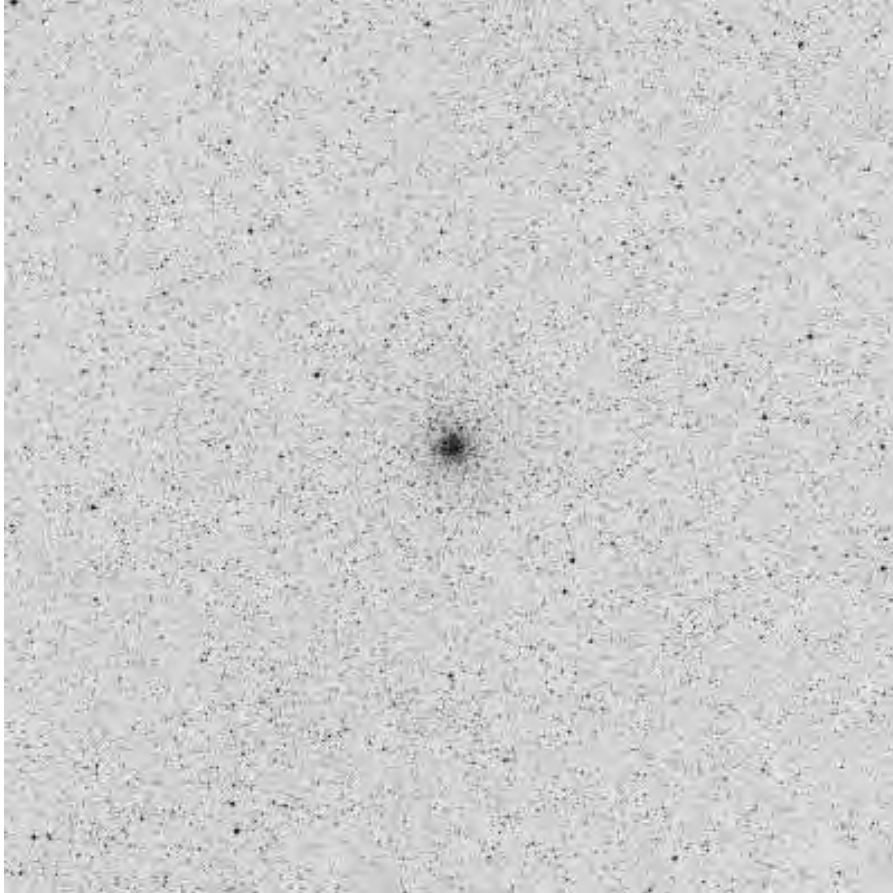
ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
NGC 6287		17 05 09.4	-22 42 29	9.35	-7.36	30.3	6.8

## NGC 6293 in Ophiuchus



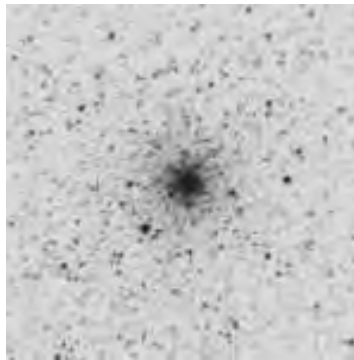
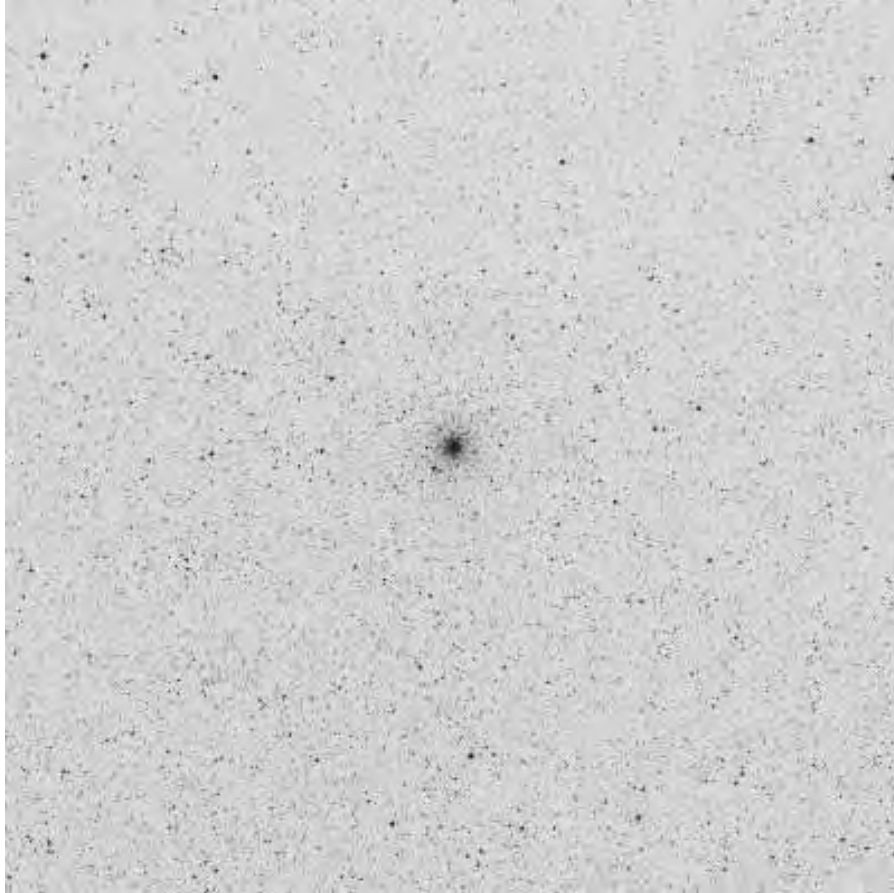
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6293		17 10 10.2	-26 34 55	8.22	-7.77	28.7	4.6

## NGC 6304 in Ophiuchus



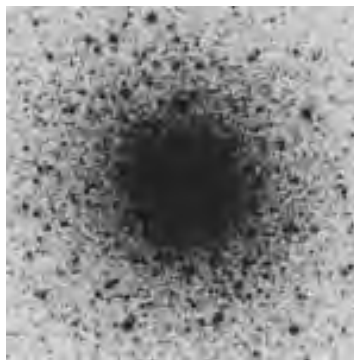
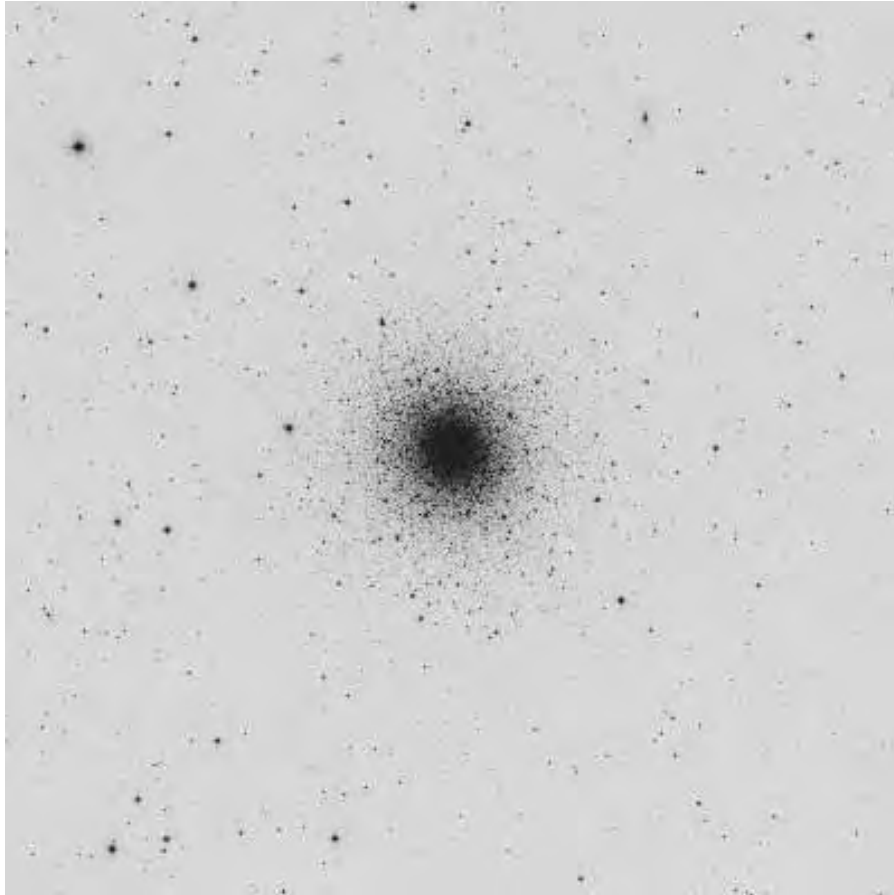
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6304		17 14 32.1	-29 27 44	8.22	-7.32	19.6	7.2

## NGC 6316 in Ophiuchus



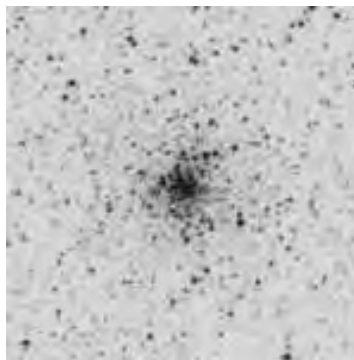
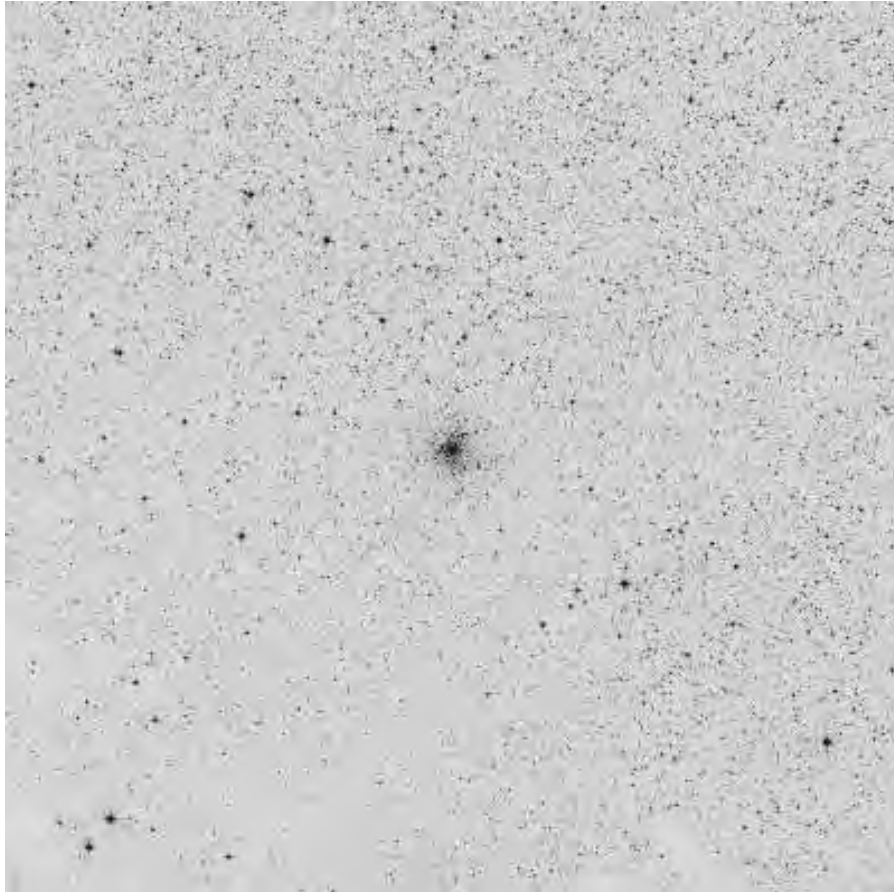
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6316		17 16 37.3	-28 08 24	8.43	-8.35	35.9	10.4

## NGC 6341 (M 92) in Hercules



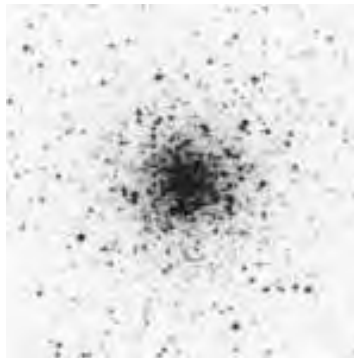
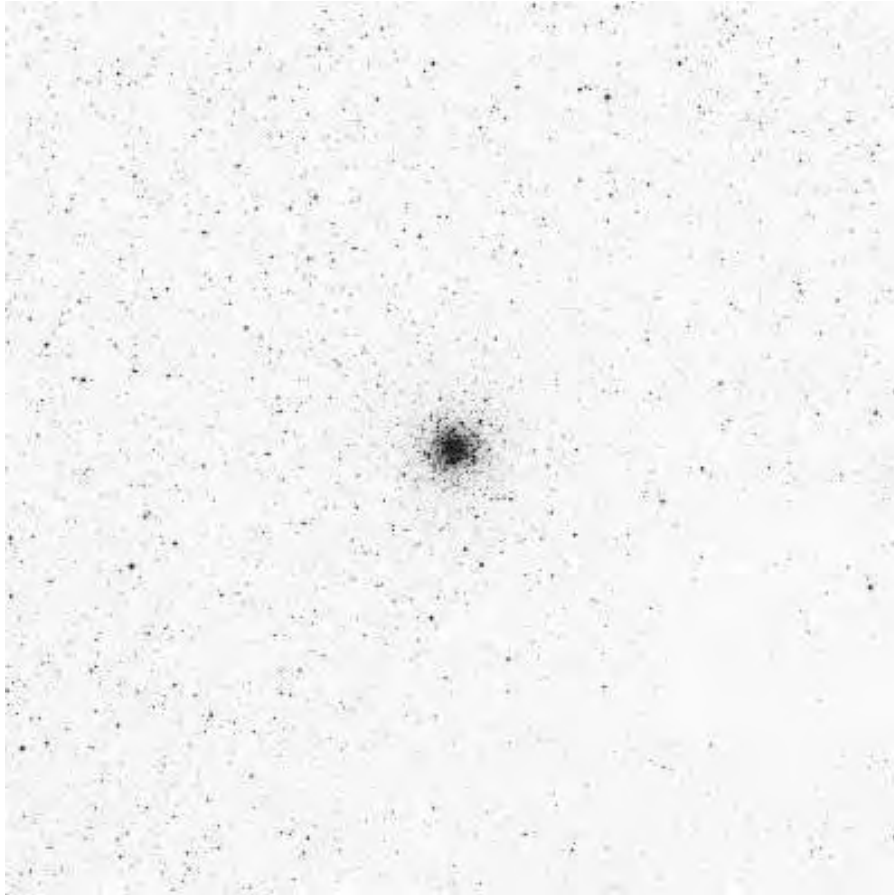
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6341	M 92	17 17 07.3	+43 08 11	6.44	-8.20	26.7	31.3

## NGC 6325 in Ophiuchus



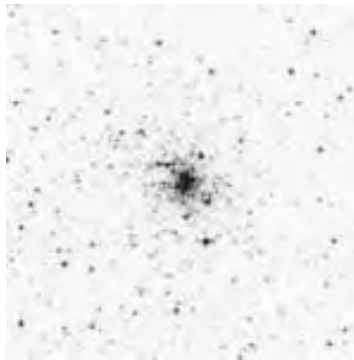
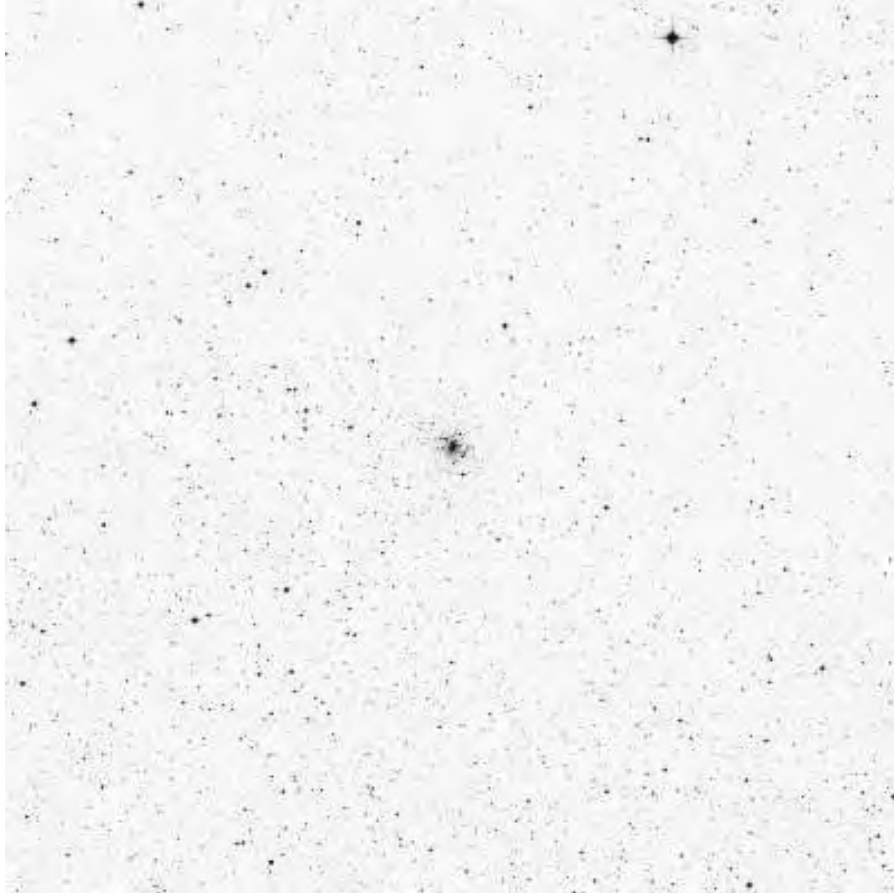
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6325		17 17 59.2	-23 45 57	10.33	-6.95	26.1	3.6

## NGC 6333 (M 9) in Ophiuchus



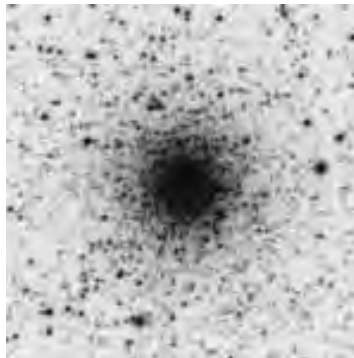
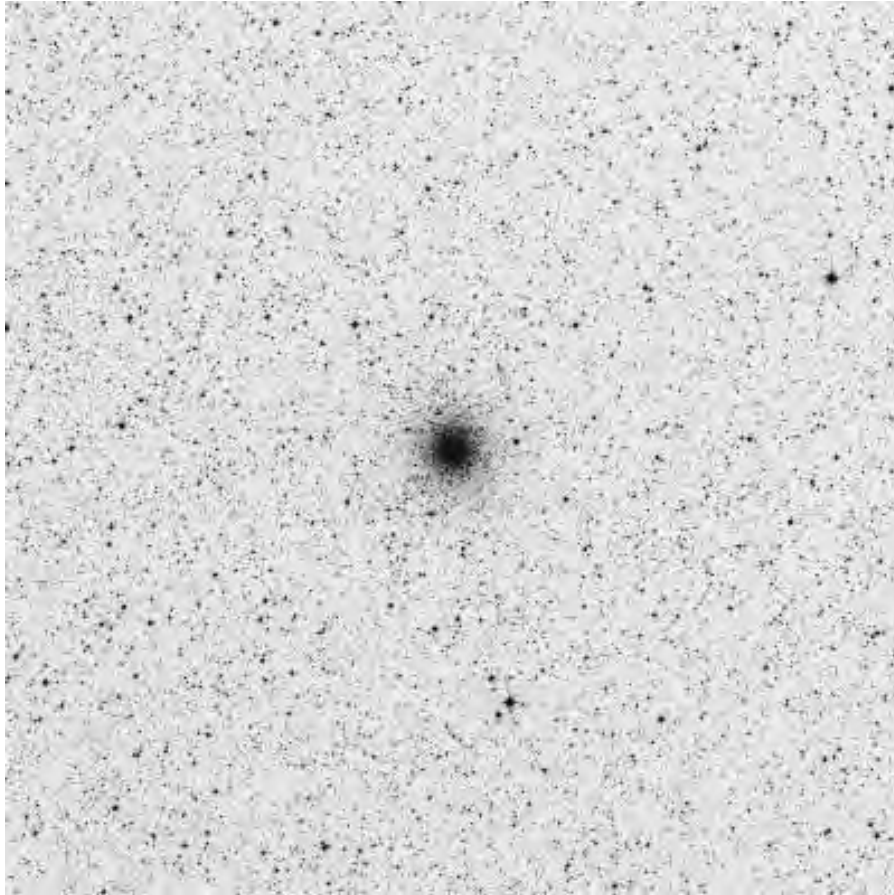
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6333	M 9	17 19 11.8	-18 30 59	7.72	-7.94	25.8	5.5

## NGC 6342 in Ophiuchus



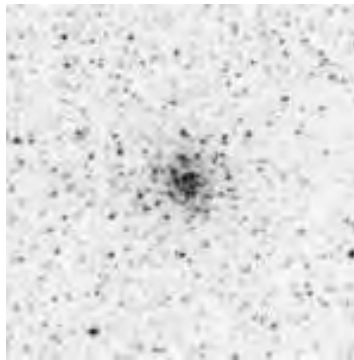
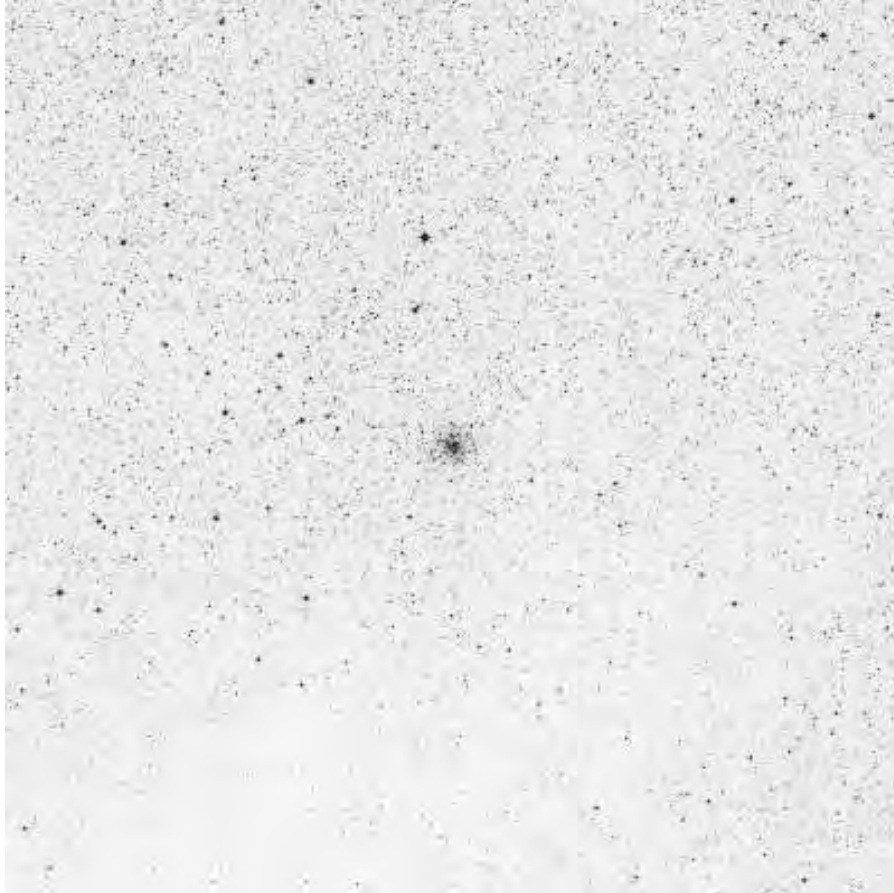
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6342		17 21 10.2	-19 35 14	9.66	-6.44	28	5.5

## NGC 6356 in Ophiuchus



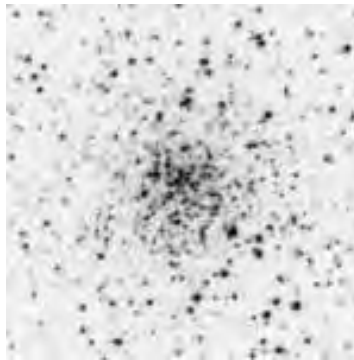
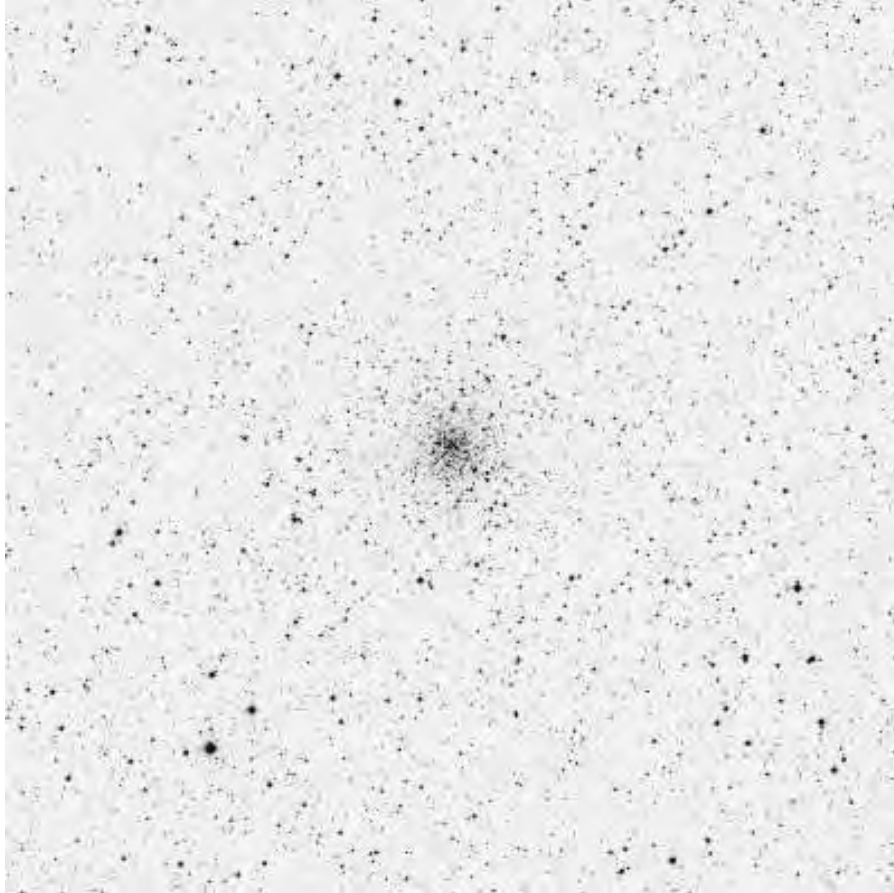
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6356		17 23 35.0	-17 48 47	8.25	-8.52	49.6	24.8

## NGC 6355 in Ophiuchus



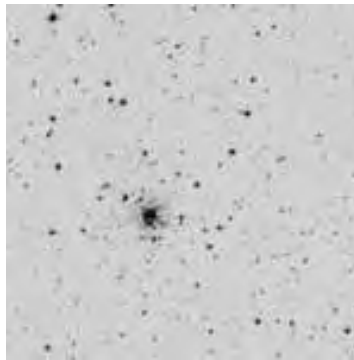
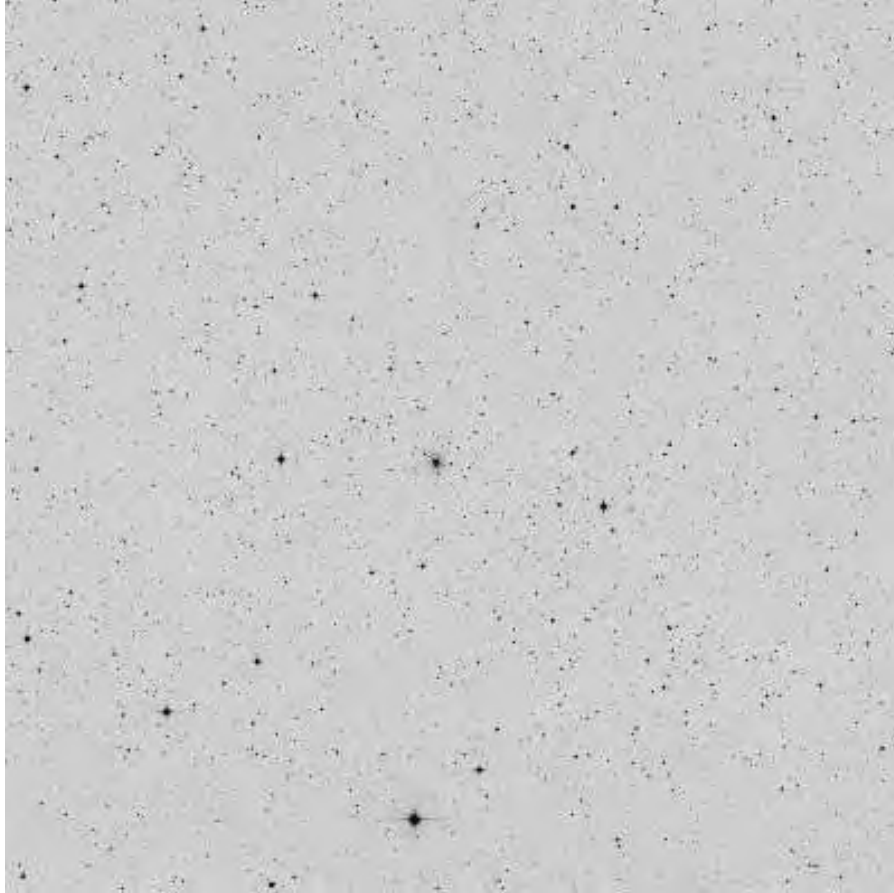
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6355		17 23 58.6	-26 21 13	9.14	-8.08	31	5.9

## NGC 6352 in Ara



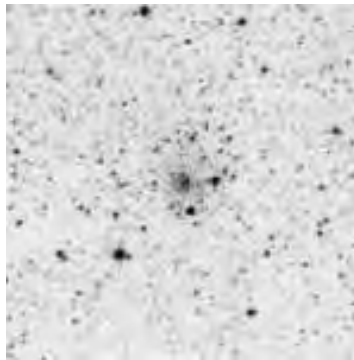
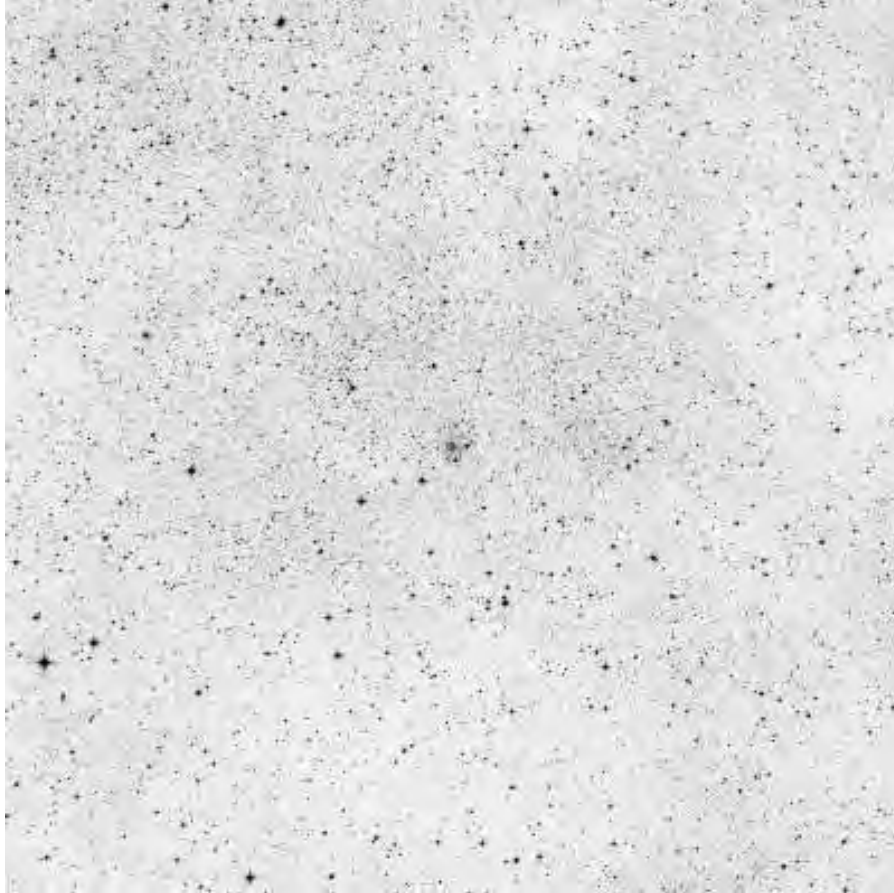
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6352		17 25 29.2	-48 25 22	7.96	-6.48	18.6	10.8

## IC 1257 in Ophiuchus



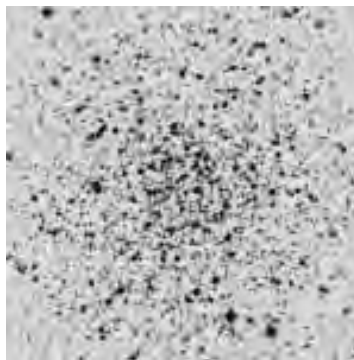
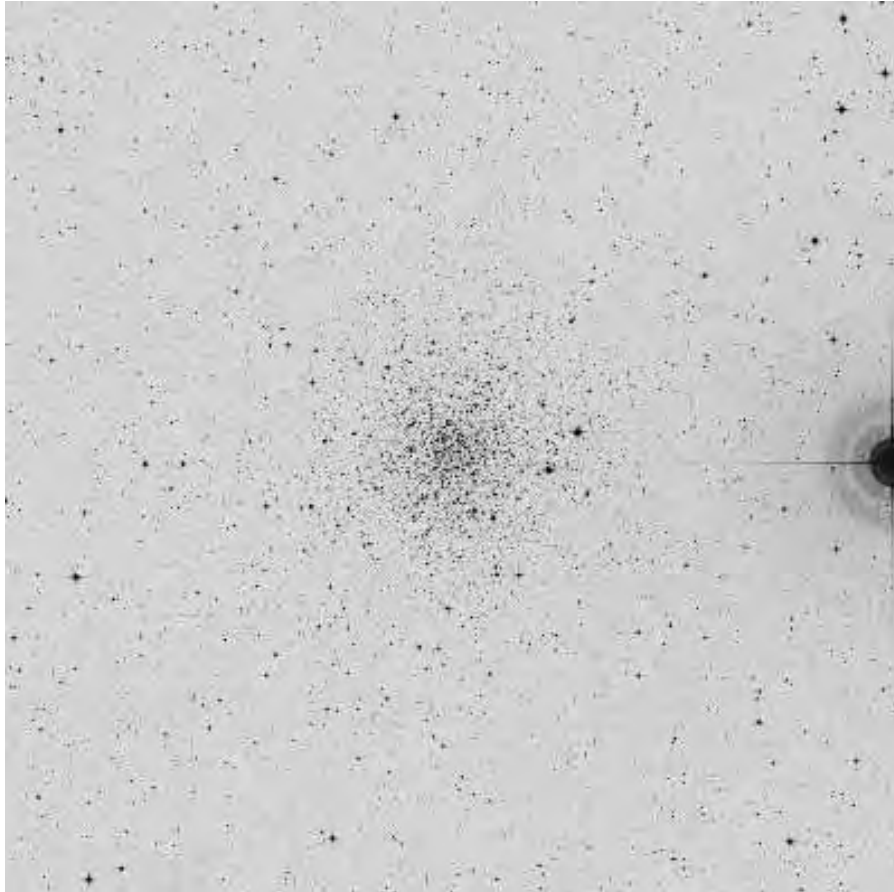
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
IC 1257		17 27 08.5	-07 05 35	13.10	-6.15	81.5	58.4

## Terzan 2 (HP 3) in Scorpius



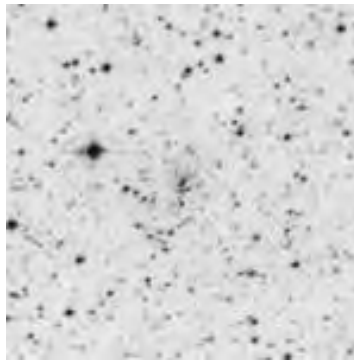
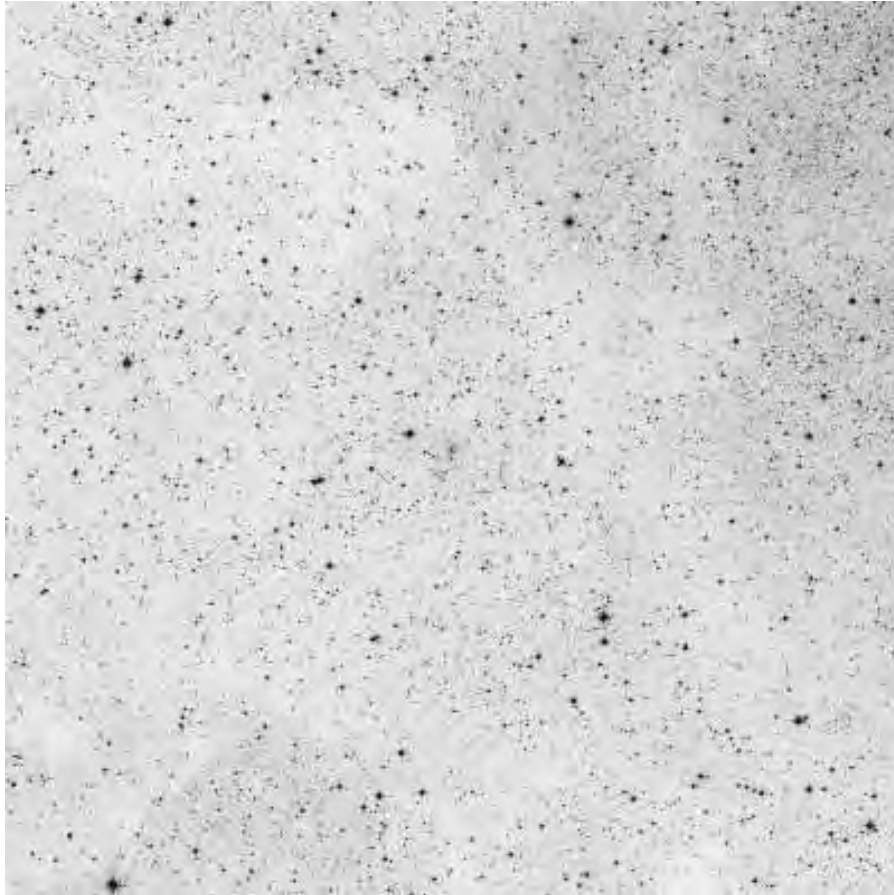
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 2	HP 3	17 27 33.1	-30 48 08	14.29	-5.27	28.4	2.9

## NGC 6366 in Ophiuchus



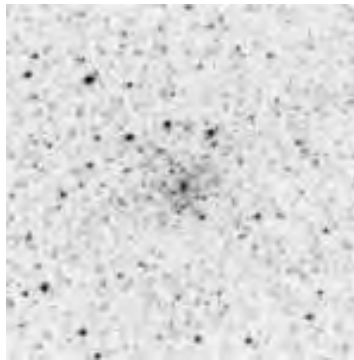
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6366		17 27 44.3	-05 04 36	9.20	-5.77	11.7	16.3

## Terzan 4 (HP 4) in Scorpius



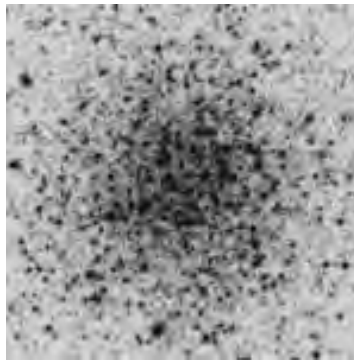
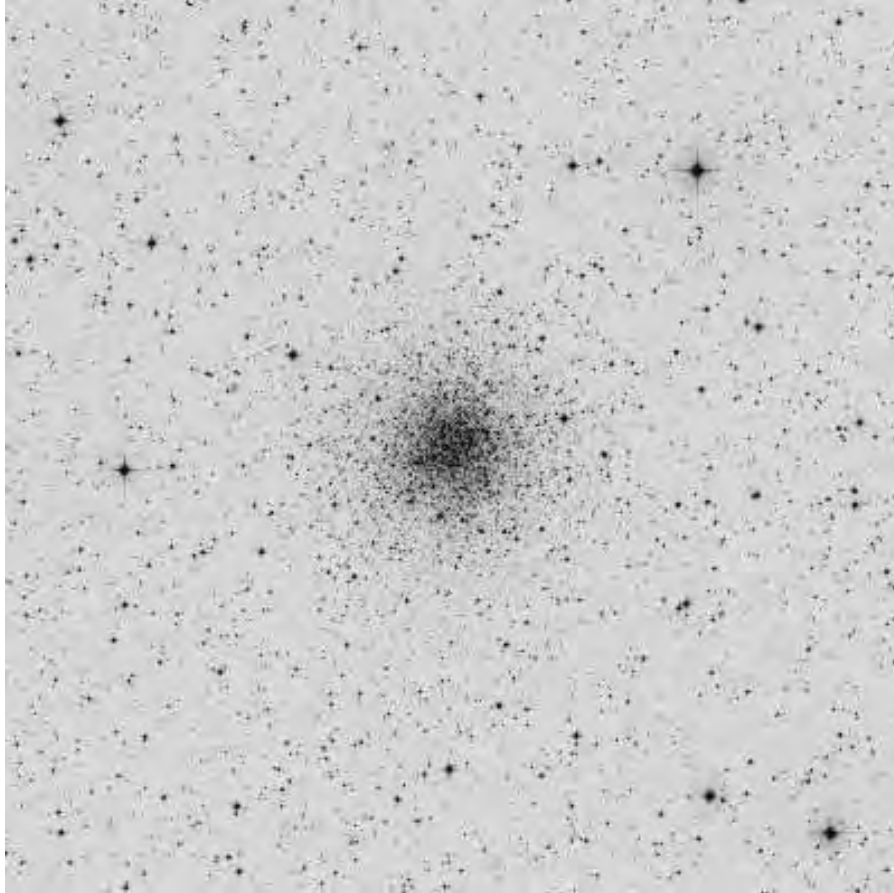
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 4	HP 4	17 30 39.0	-31 35 44	16.00	-6.09	29.7	4.2

## HP 1 (BH 229) in Ophiuchus



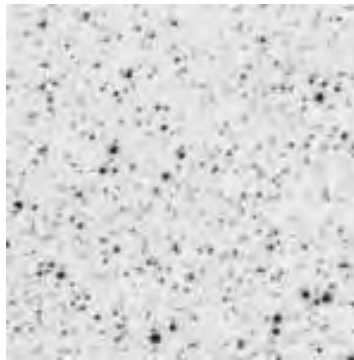
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
HP 1	BH 229	17 31 05.2	-29 58 54	11.59	-6.44	46	19.9

## NGC 6362 in Ara



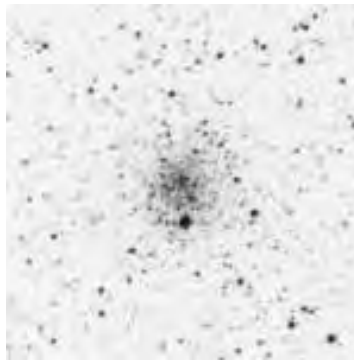
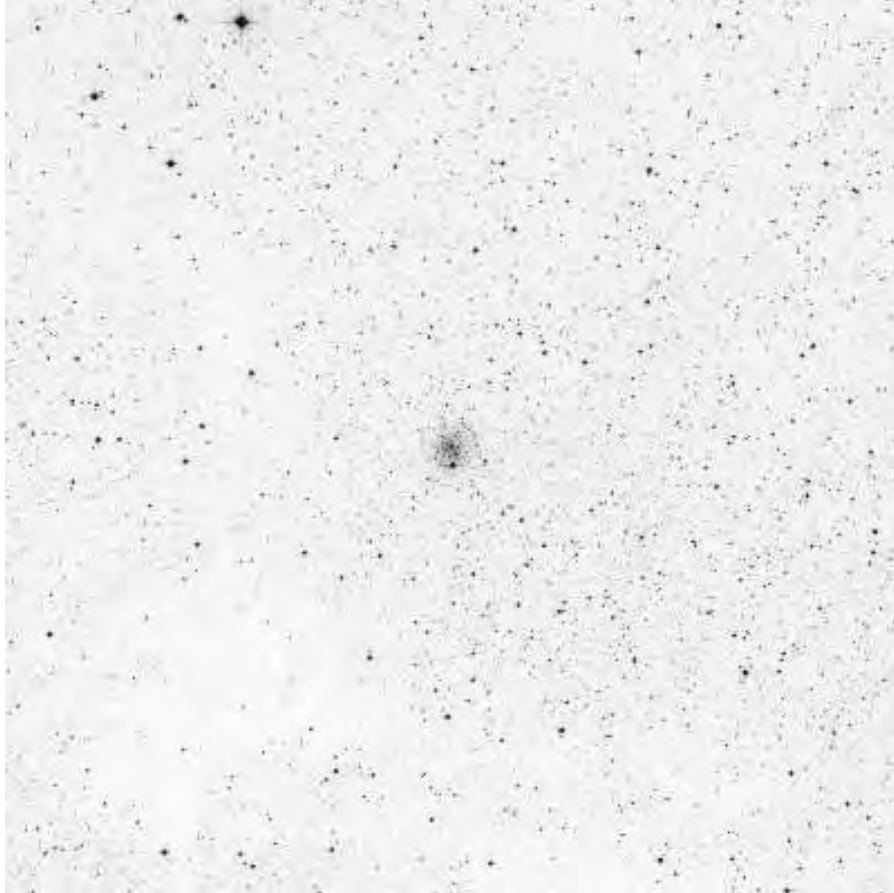
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6362		17 31 54.8	-67 02 53	7.73	-6.94	24.8	16.6

## Liller 1 in Scorpius



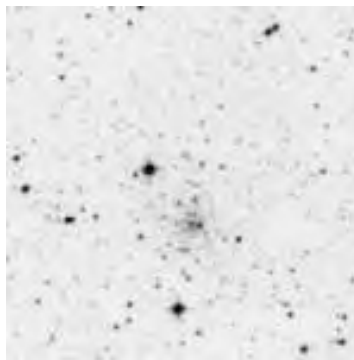
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Liller 1		17 33 24.5	-33 23 20	16.77	-7.63	31.3	5.9

## NGC 6380 (Ton 1) in Scorpius



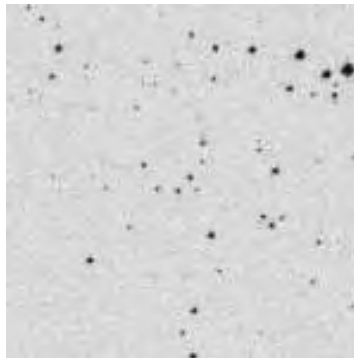
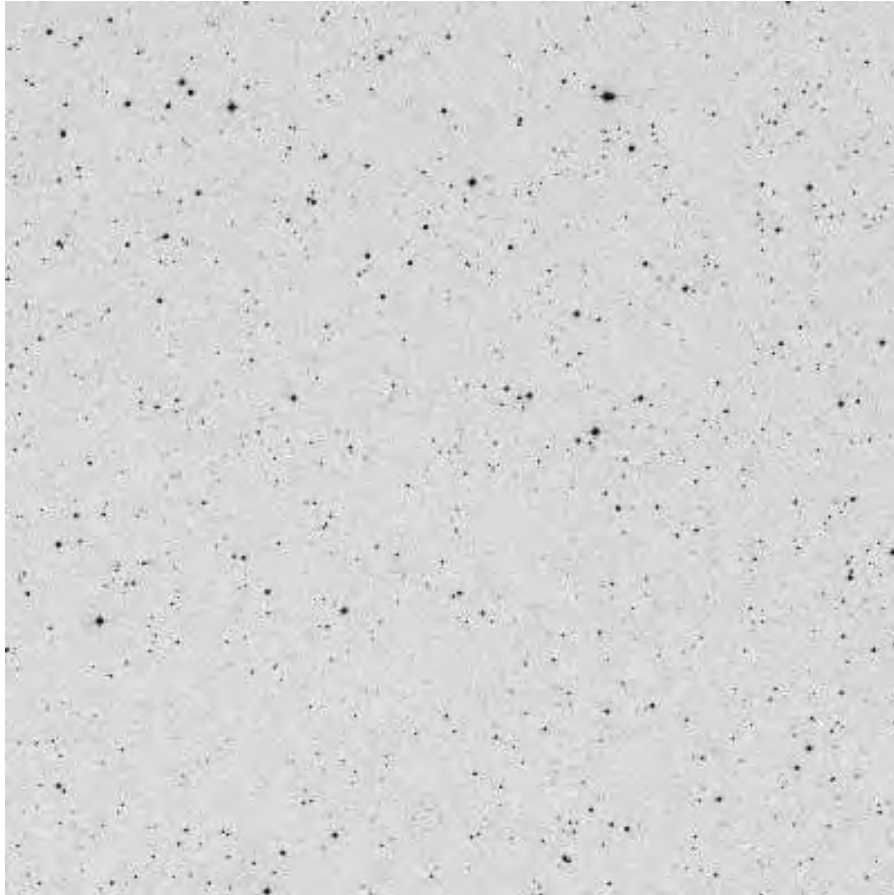
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6380	Ton 1	17 34 28.0	-39 04 09	11.31	-7.46	39.4	10.4

## Terzan 1 (HP 2) in Scorpius



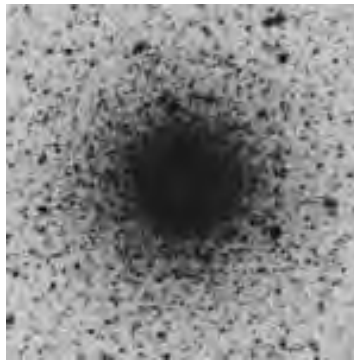
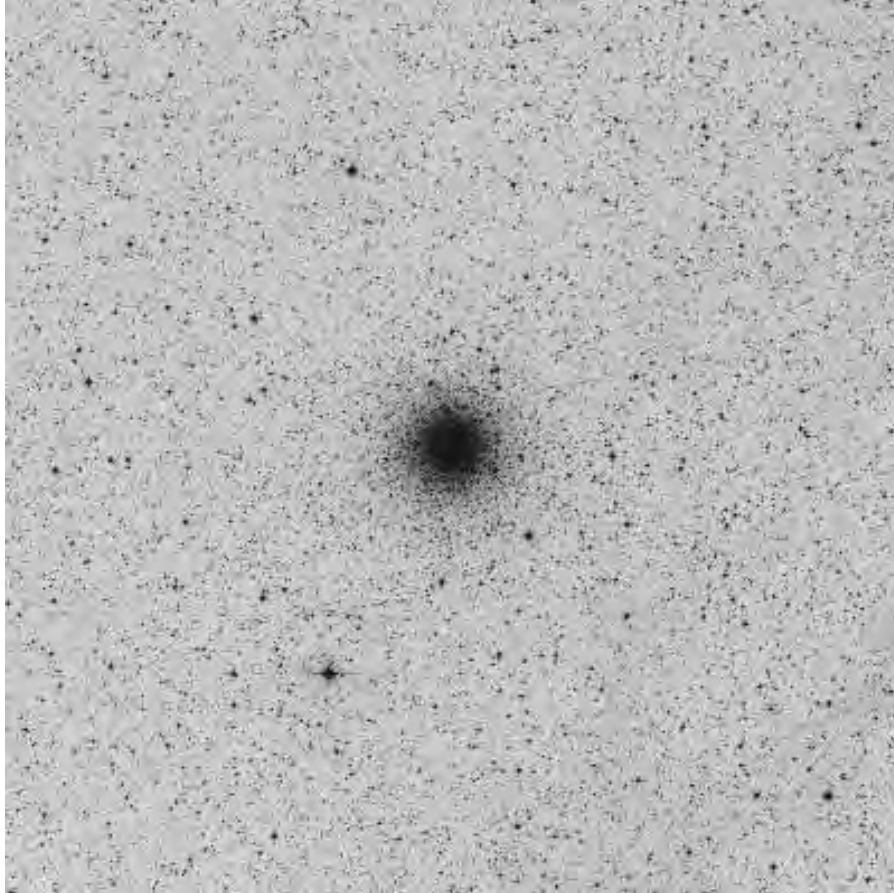
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 1	HP 2	17 35 47.2	-30 28 54	15.90	-4.90	18.3	8.2

## Ton 2 (Pismis 26) in Scorpius



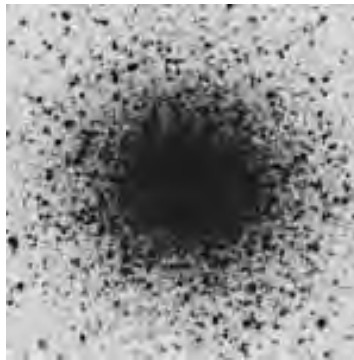
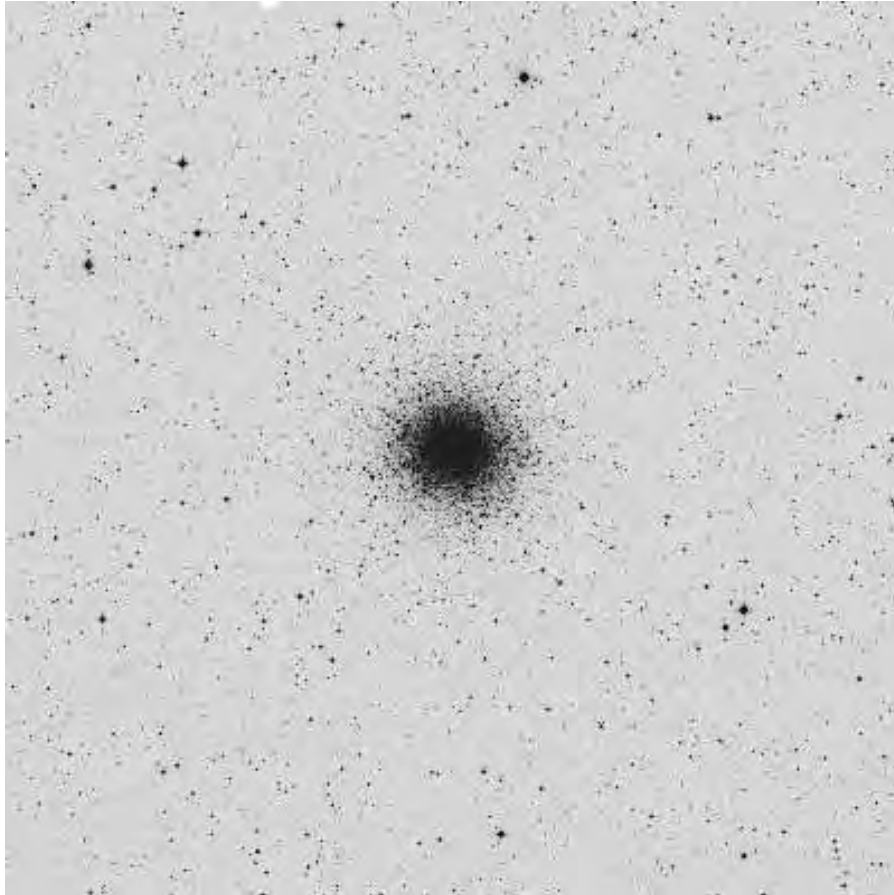
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Ton 2	Pismis 26	17 36 10.5	-38 33 12	12.24	-6.14	26.4	4.6

## NGC 6388 in Scorpius



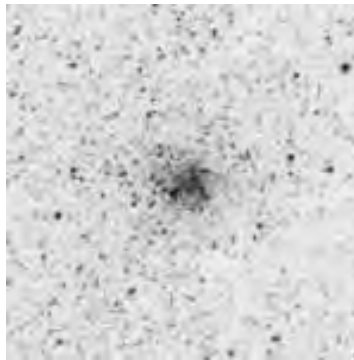
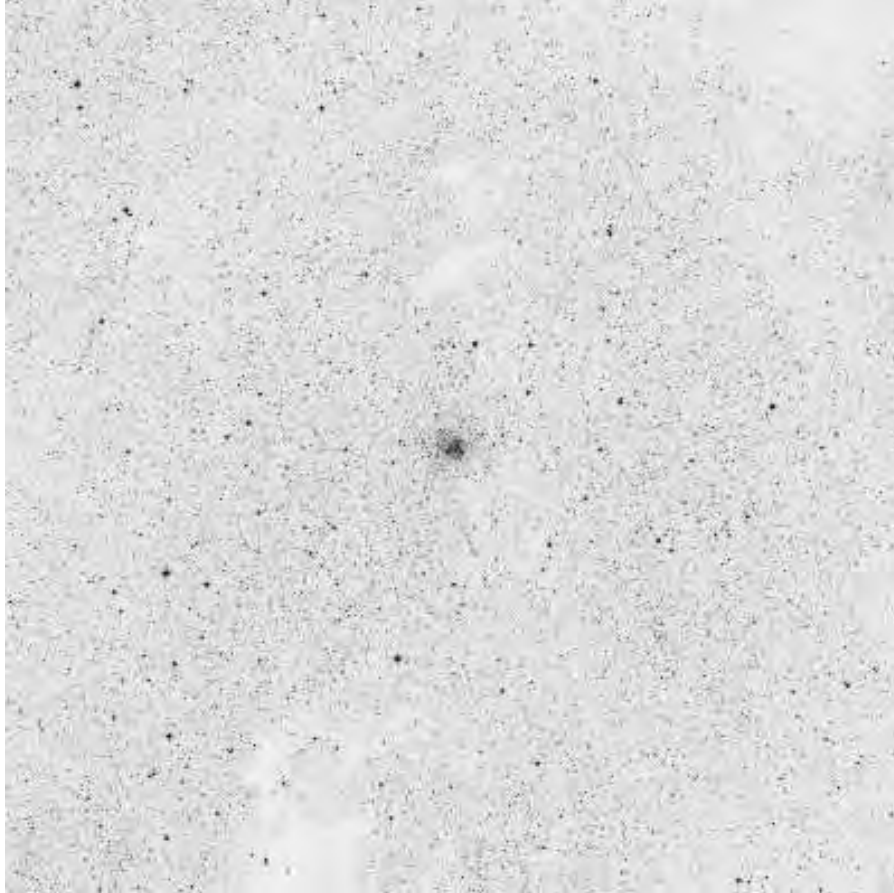
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6388		17 36 17.0	-44 44 06	6.72	-9.42	32.6	10.4

## NGC 6402 (M 14) in Ophiuchus



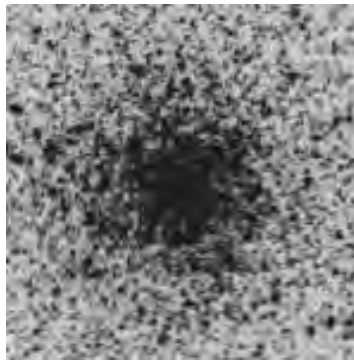
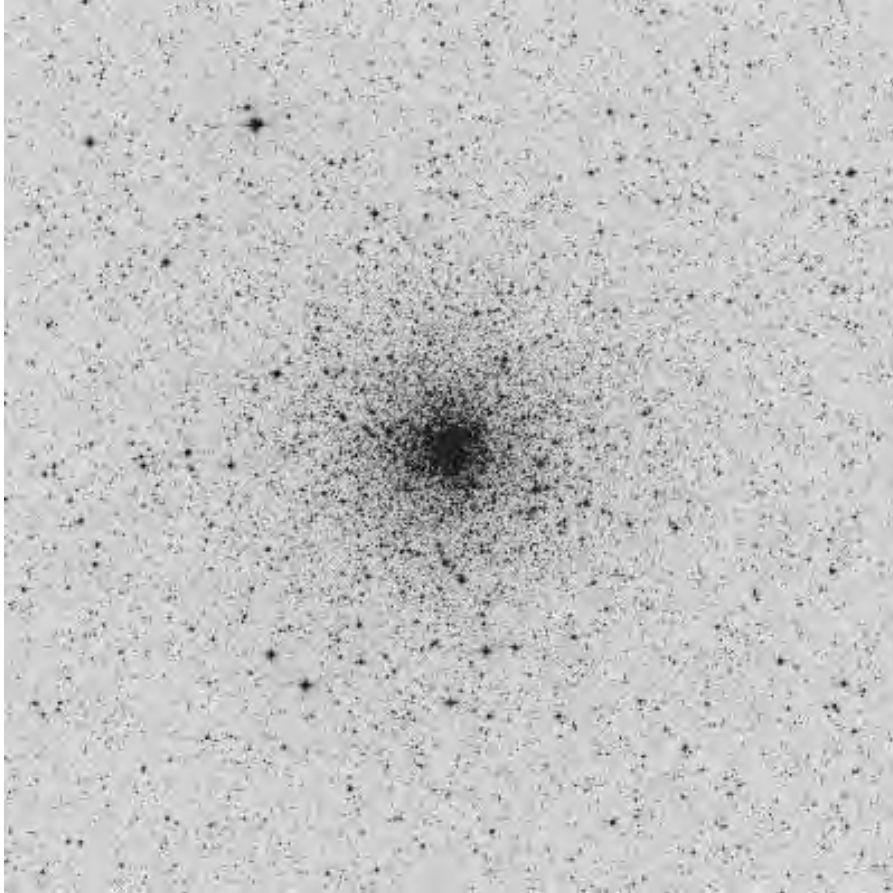
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6402	M 14	17 37 36.1	-03 14 45	7.59	-9.12	30.3	13.4

## NGC 6401 in Ophiuchus



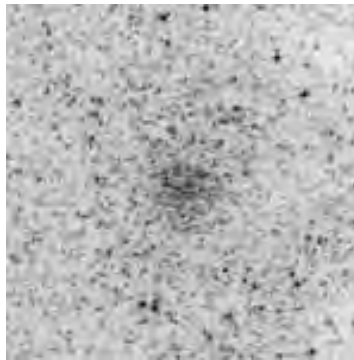
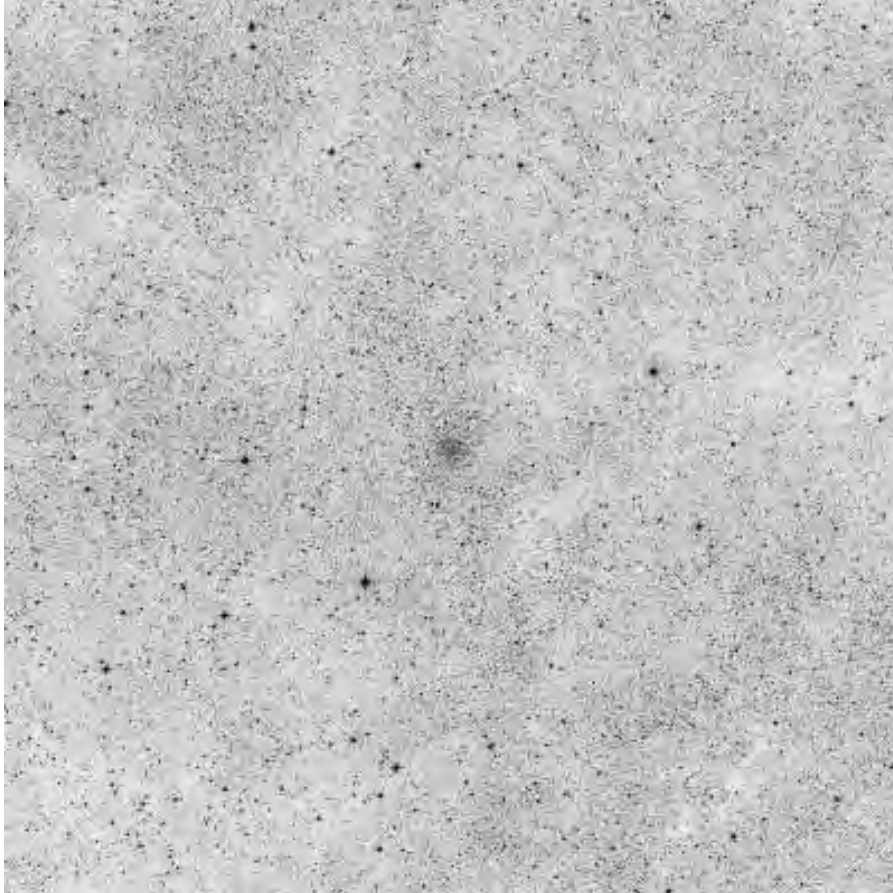
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6401		17 38 36.6	-23 54 34	9.45	-7.90	34.2	8.8

## NGC 6397 in Ara



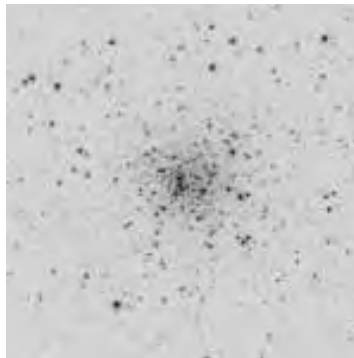
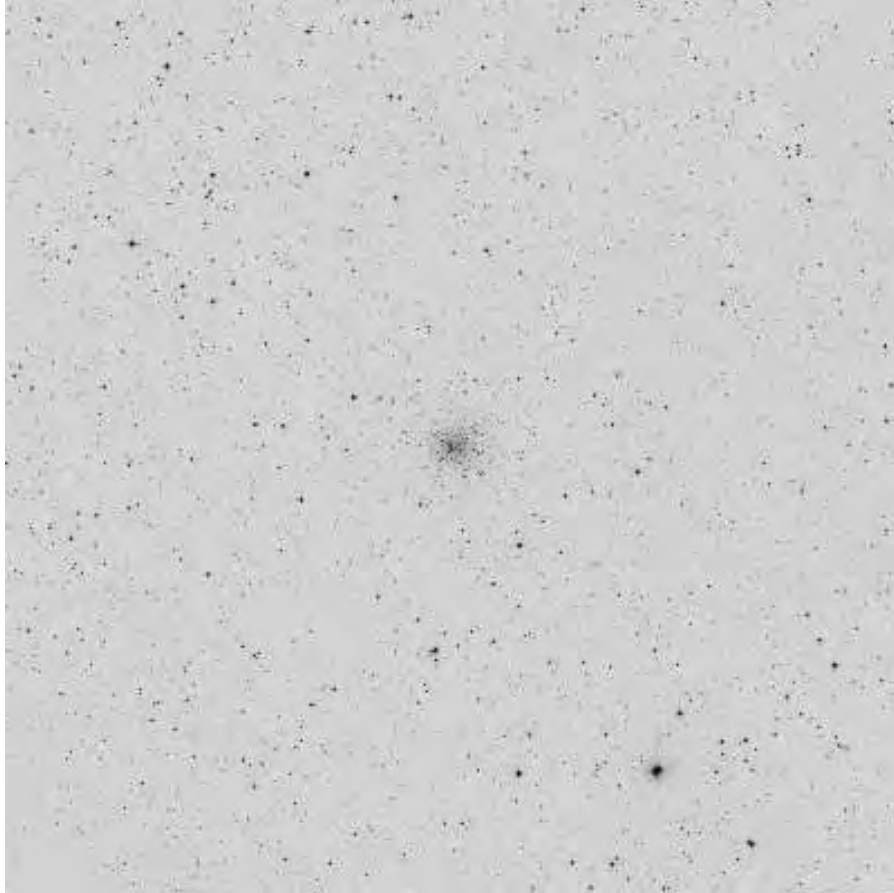
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6397		17 40 41.3	-53 40 25	5.73	-6.63	7.5	19.6

## Palomar 6 in Ophiuchus



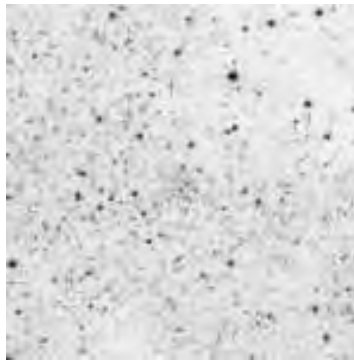
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 6		17 43 42.2	-26 13 21	11.55	-6.81	19.2	7.2

## NGC 6426 in Ophiuchus



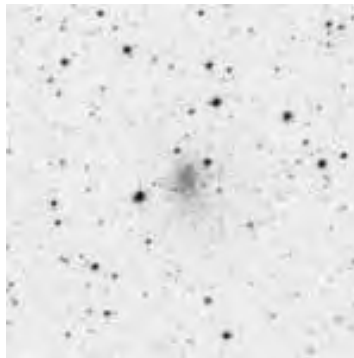
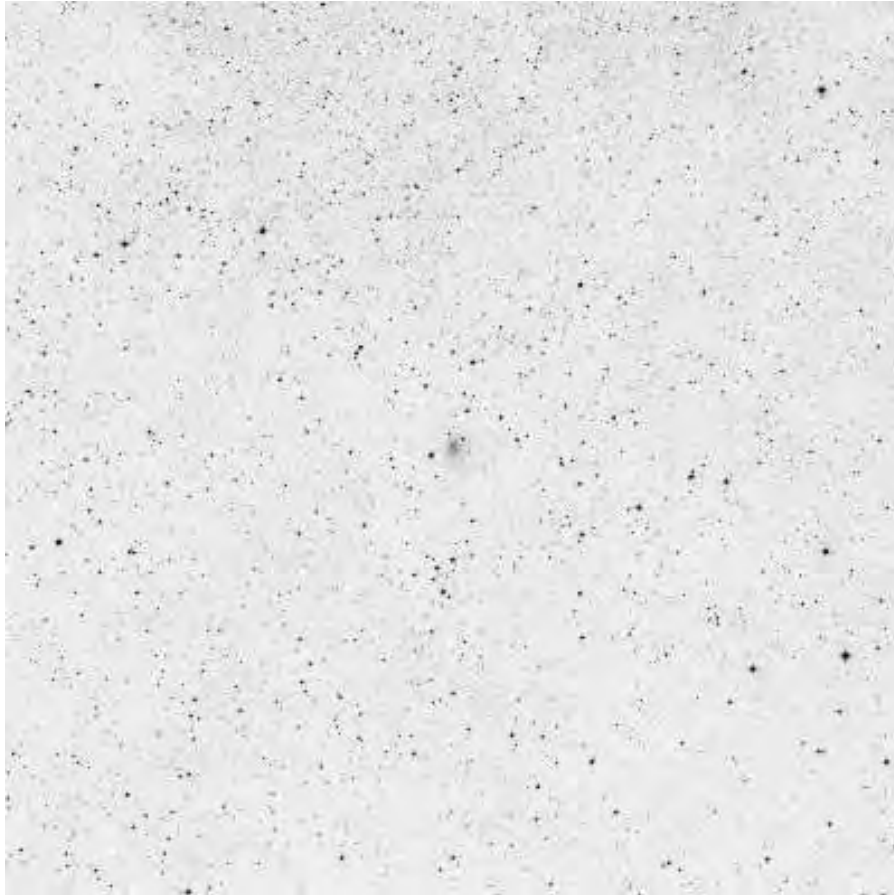
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6426		17 44 54.7	+03 10 13	11.01	-6.69	67.5	47.6

## Djorg 1 in Scorpius



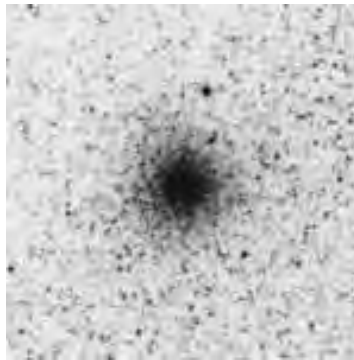
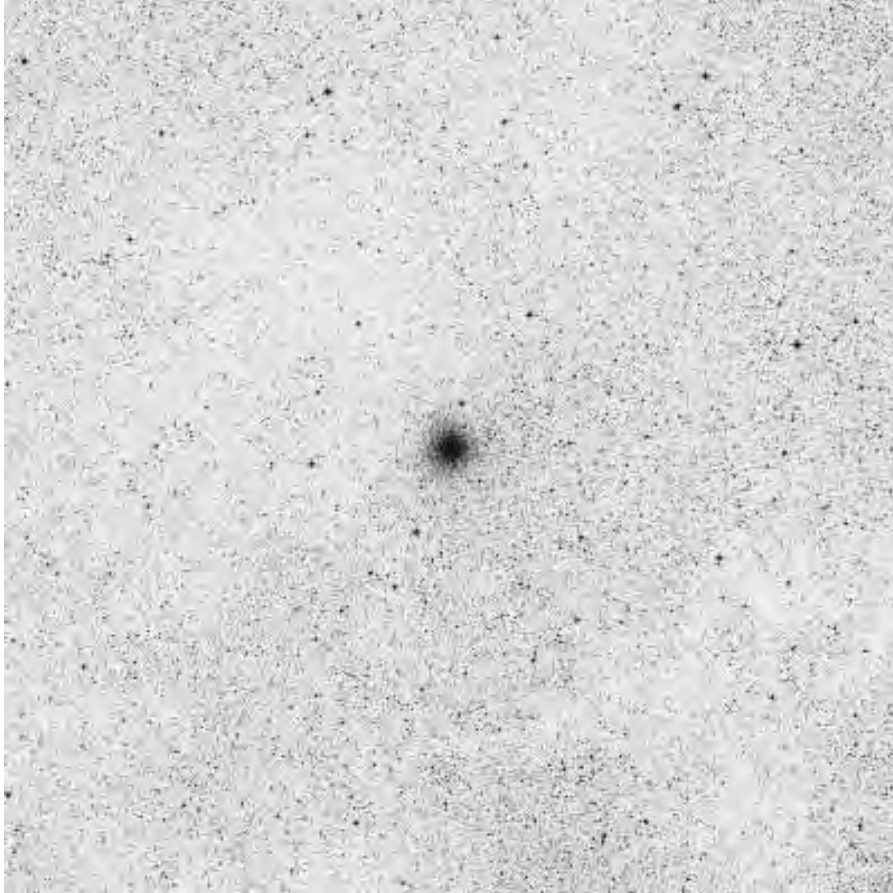
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Djorg 1		17 47 28.3	-33 03 56	13.60	-6.26	39.1	13.4

## Terzan 5 in Sagittarius



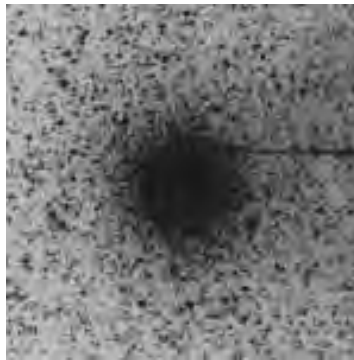
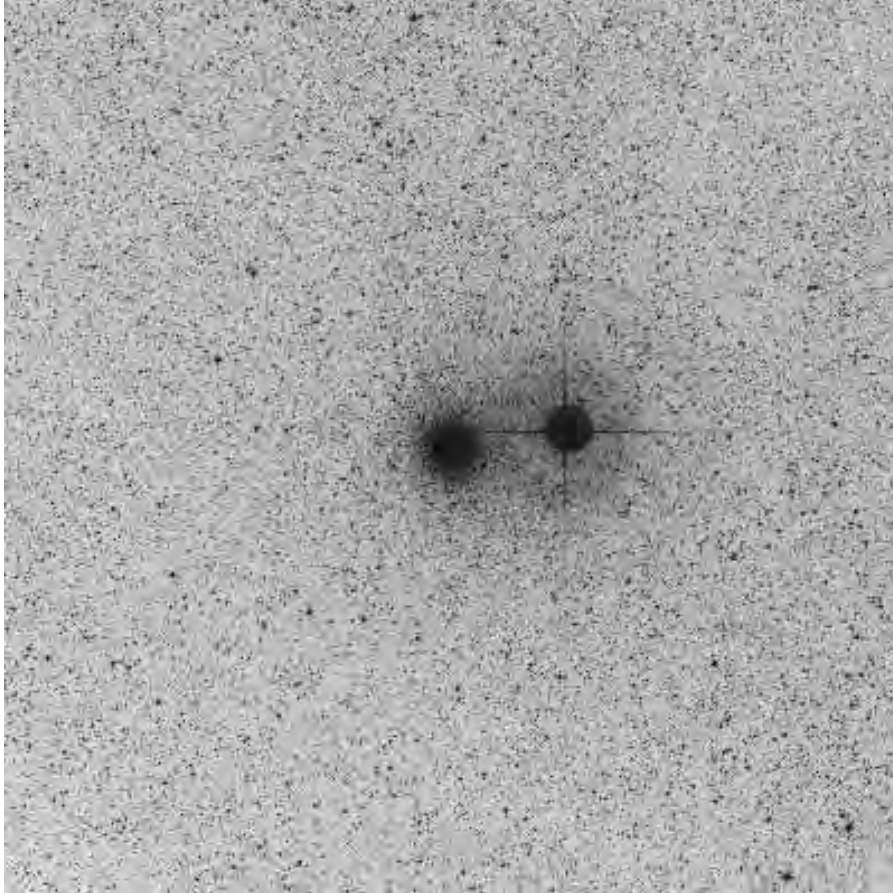
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 5		17 48 04.9	-24 46 45	13.85	-7.87	33.6	7.8

## NGC 6440 in Sagittarius



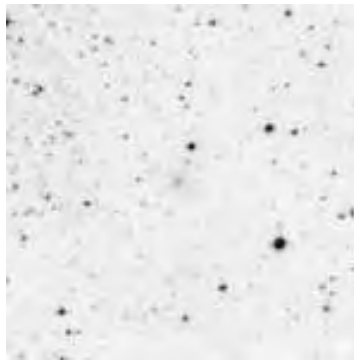
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6440		17 48 52.7	-20 21 37	9.20	-8.75	27.4	4.2

## NGC 6441 in Scorpius



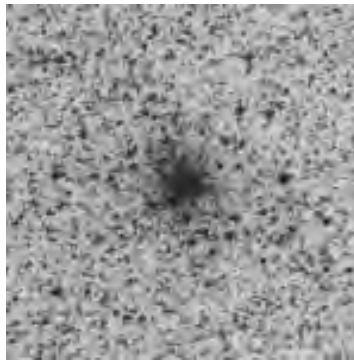
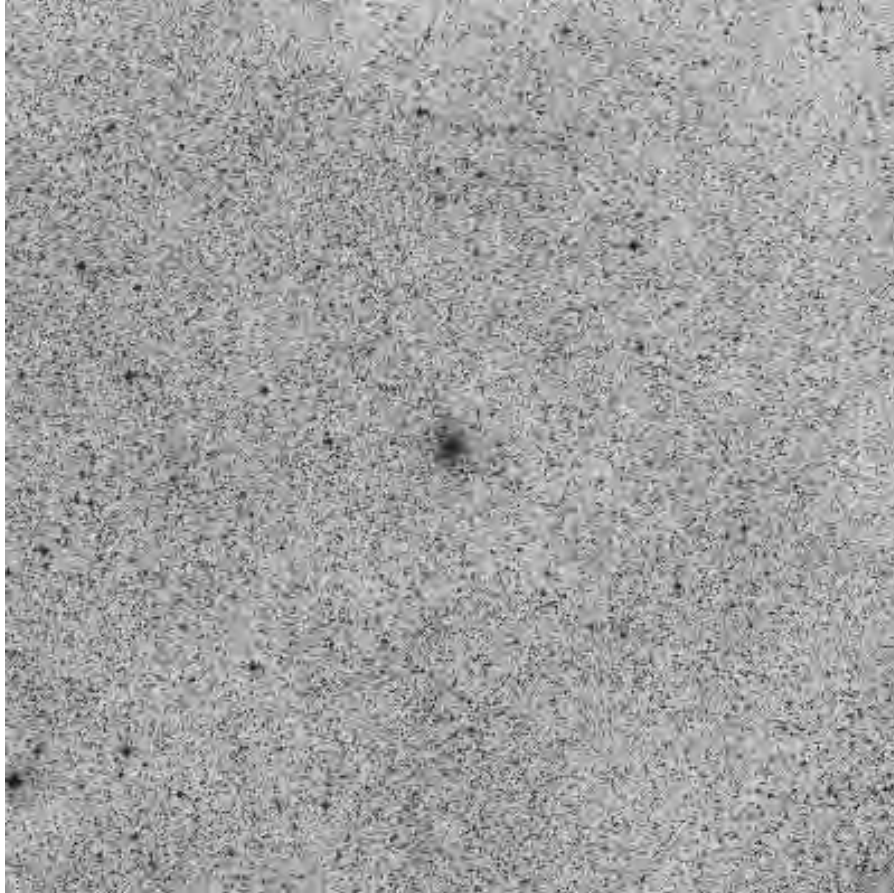
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6441		17 50 12.9	-37 03 05	7.15	-9.64	38.1	12.7

## Terzan 6 (HP 5) in Scorpius



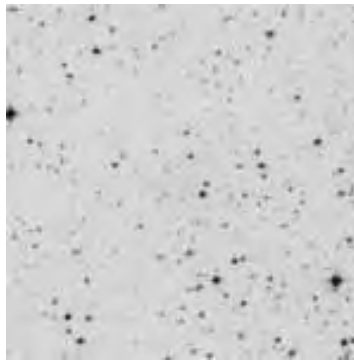
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 6	HP 5	17 50 46.4	-31 16 31	13.85	-7.67	31	5.2

## NGC 6453 in Scorpius



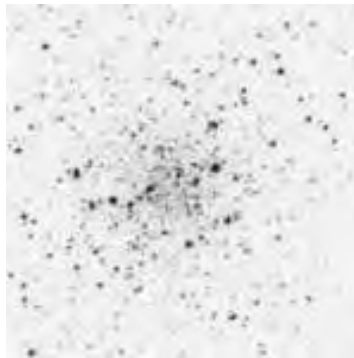
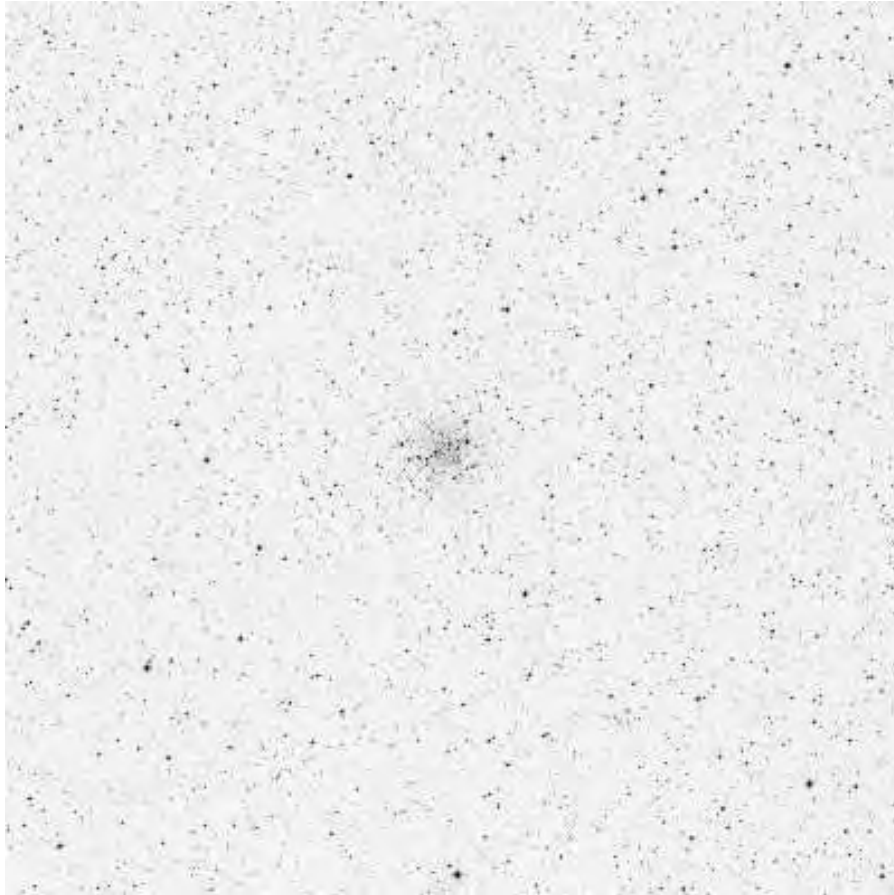
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6453		17 50 51.7	-34 35 57	10.08	-6.88	31.3	5.9

## UKS 1 in Sagittarius



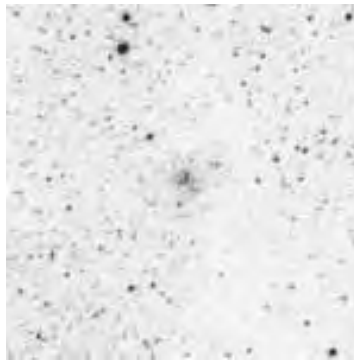
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
UKS 1		17 54 27.2	-24 08 43	17.29	-6.88	27.1	2.6

## NGC 6496 in Corona Australis



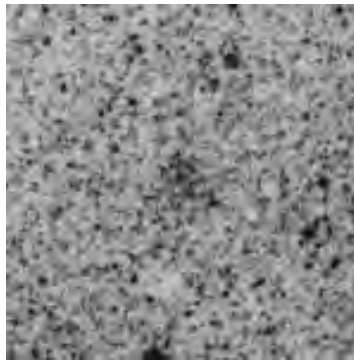
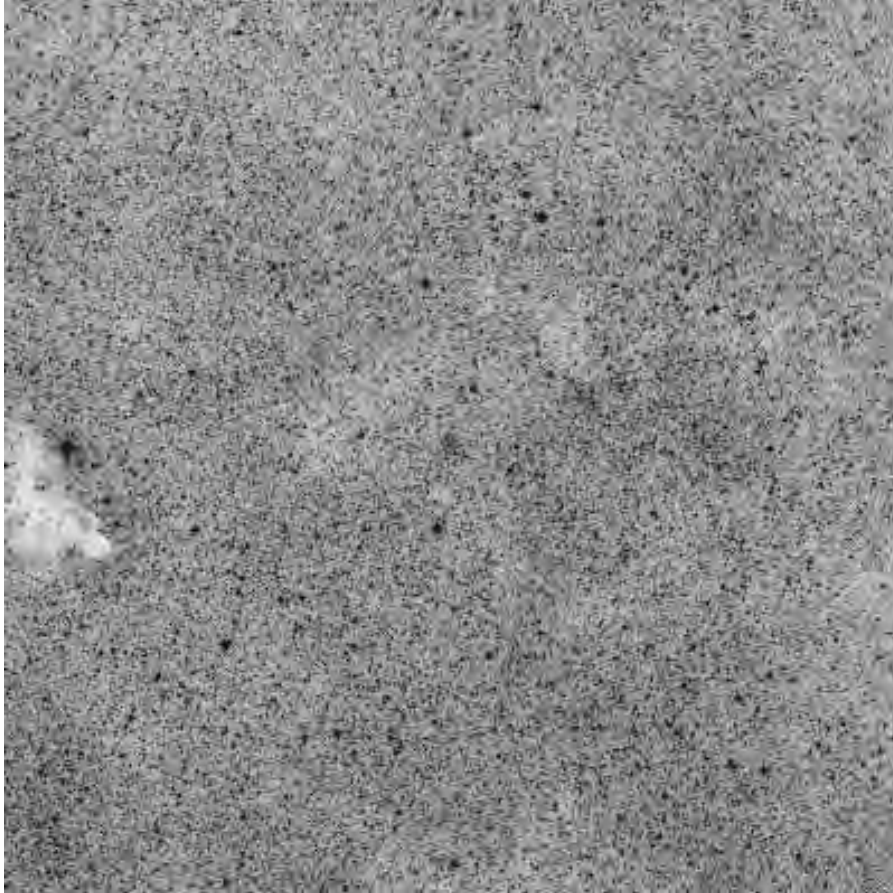
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6496		17 59 02.0	-44 15 54	8.54	-7.23	37.5	14

## Terzan 9 in Sagittarius



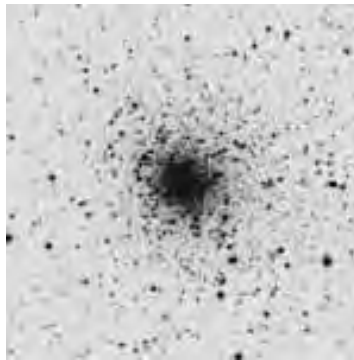
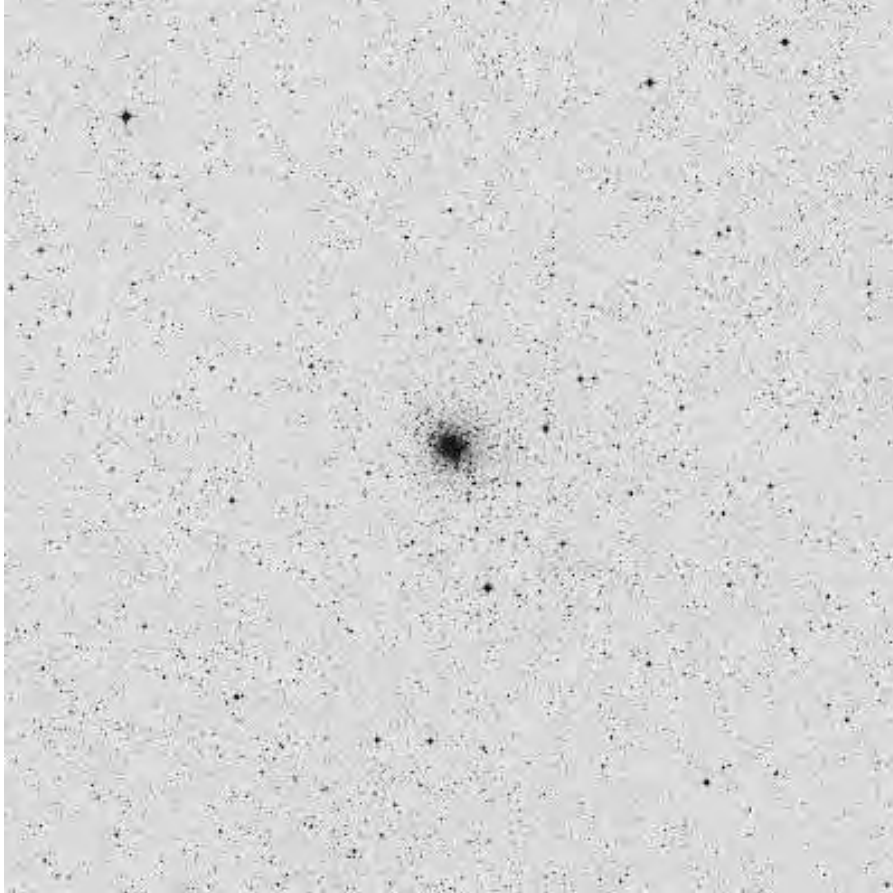
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 9		18 01 38.8	-26 50 23	16.00	-3.85	21.2	5.2

## Djorg 2 (ESO 456 – SC 38) in Sagittarius



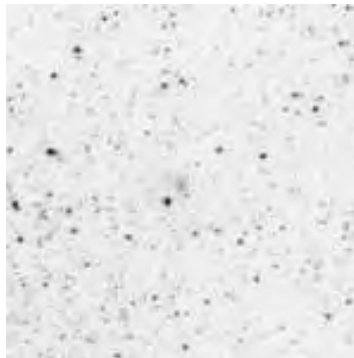
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Djorg 2	ESO456-SC38	18 01 49.1	-27 49 33	9.90	-6.98	21.8	4.6

## NGC 6517 in Ophiuchus



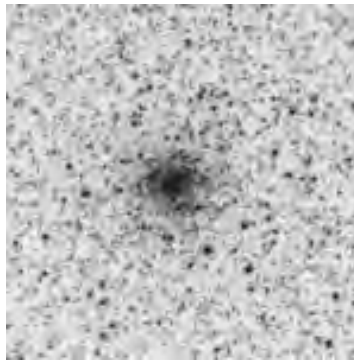
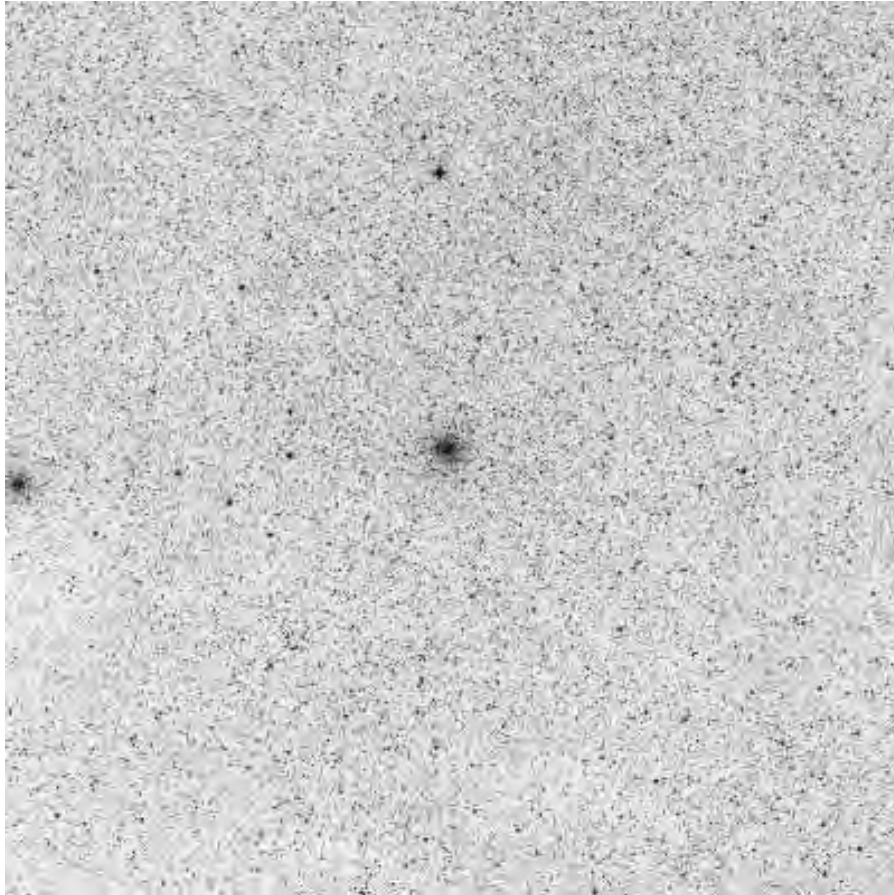
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6517		18 01 50.6	-08 57 32	10.23	-8.28	35.2	14

## Terzan 10 in Sagittarius



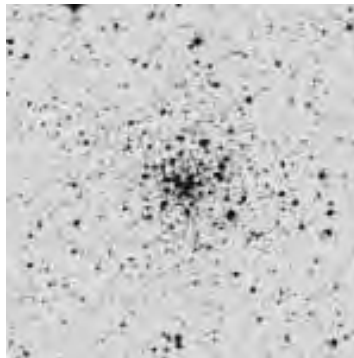
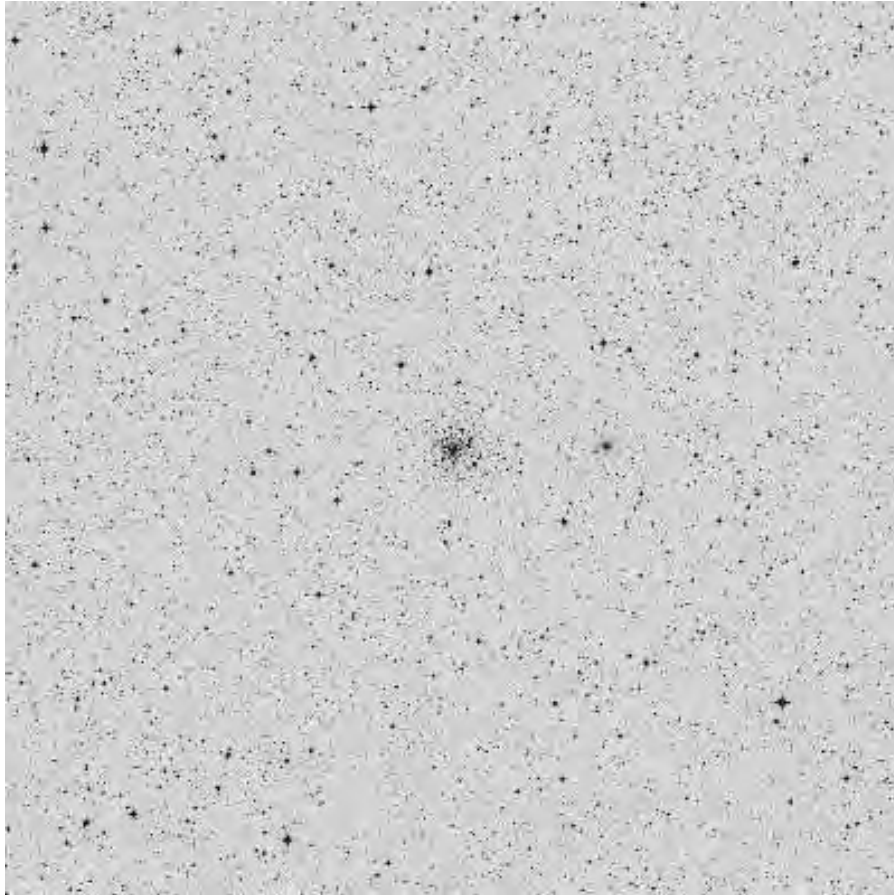
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan10		18 02 57.4	-26 04 00	14.90	-6.31	18.6	7.8

## NGC 6522 in Sagittarius



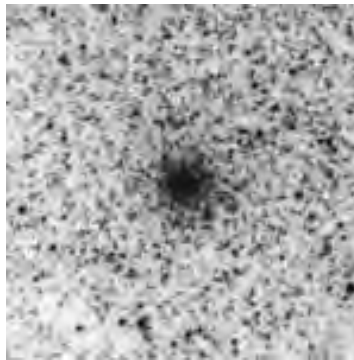
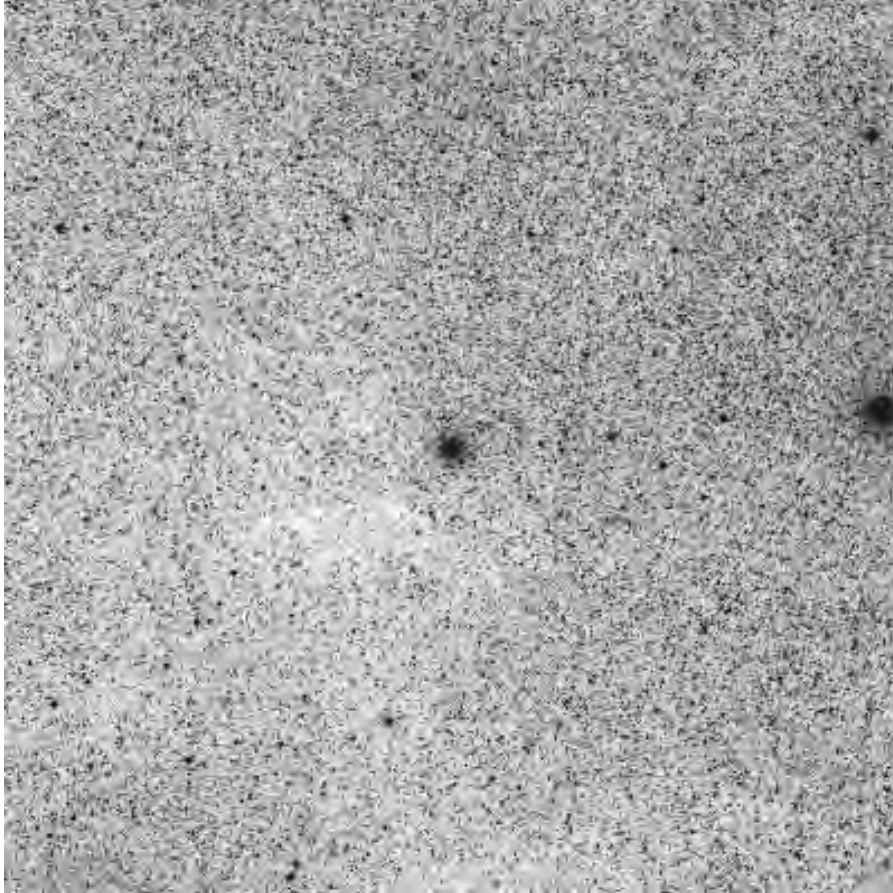
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6522		18 03 34.1	-30 02 02	8.27	-7.67	25.4	2

## NGC 6535 in Serpens Cauda



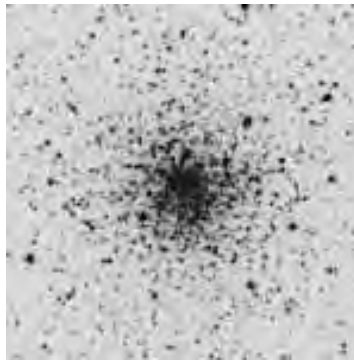
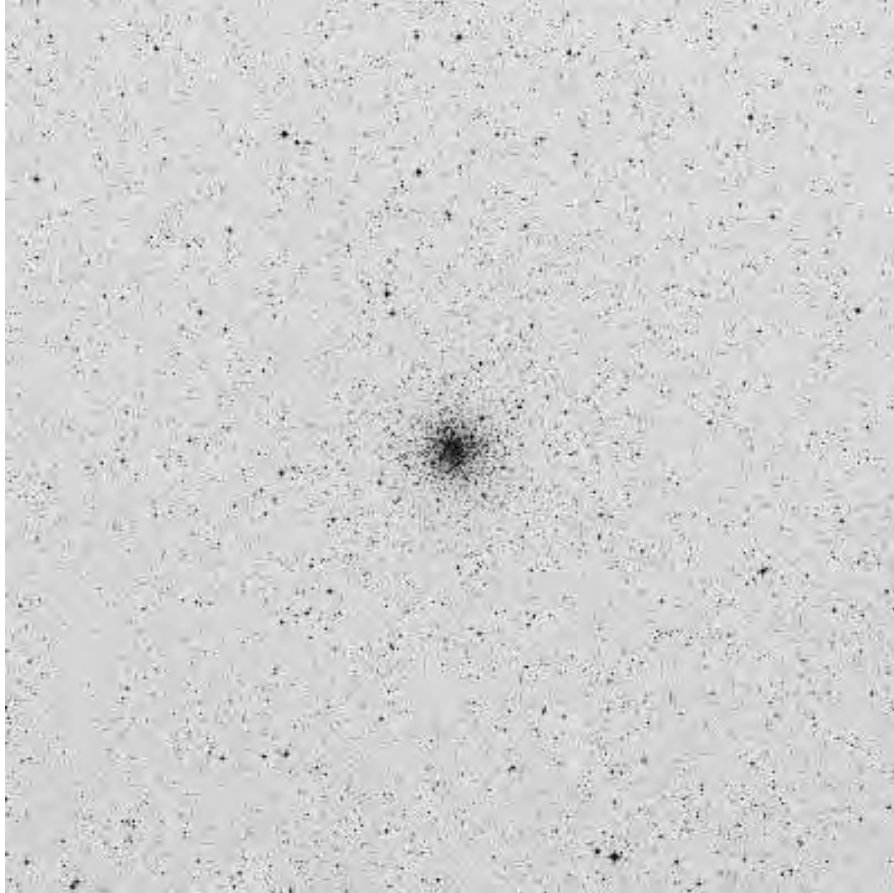
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6535		18 03 50.7	-00 17 49	10.47	-4.75	22.2	12.7

## NGC 6528 in Sagittarius



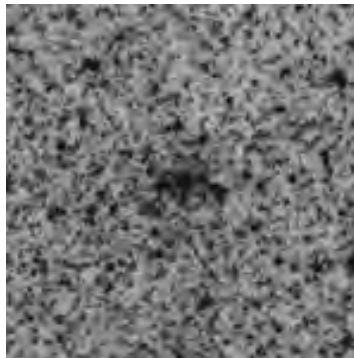
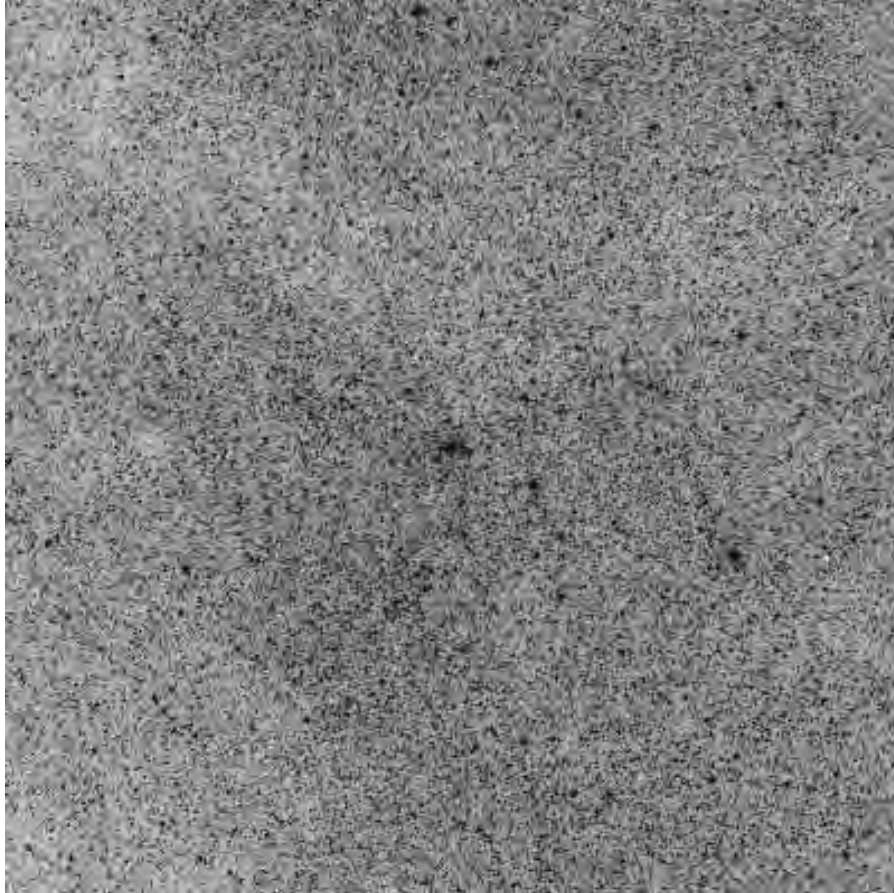
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6528		18 04 49.6	-30 03 21	9.60	-6.56	25.8	2

## NGC 6539 in Serpens Cauda



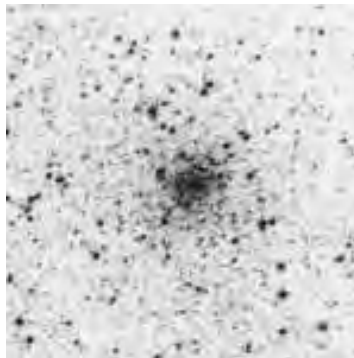
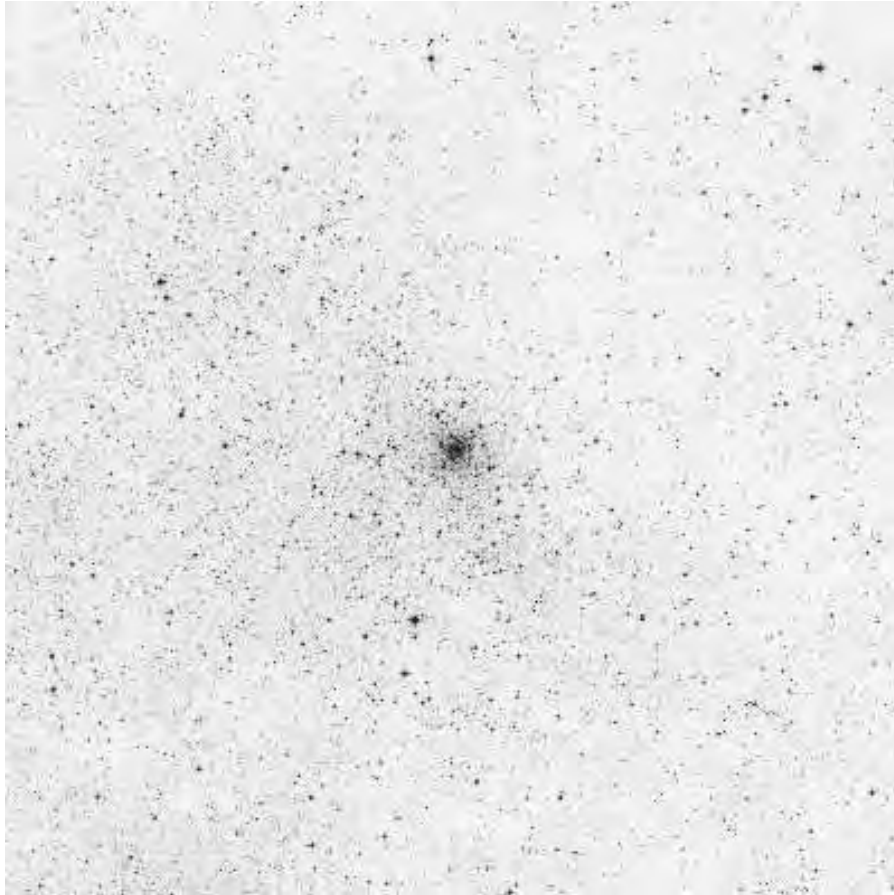
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6539		18 04 49.8	-07 35 09	9.33	-8.30	27.4	10.1

## NGC 6540 (Djorg 3) in Sagittarius



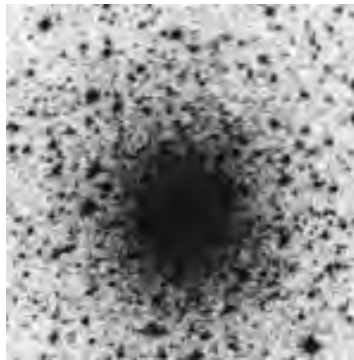
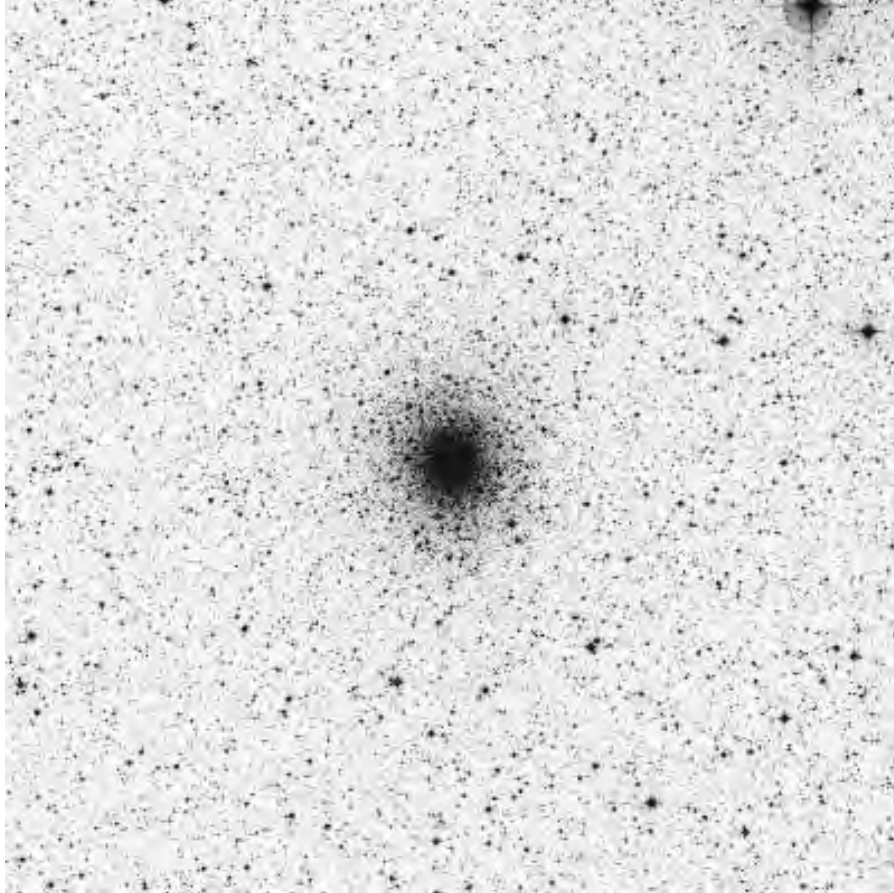
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6540	Djorg 3	18 06 08.6	-27 45 55	9.30	-5.38	12.1	14.3

## NGC 6544 in Sagittarius



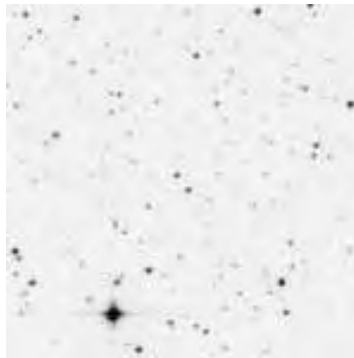
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6544		18 07 20.6	-24 59 51	7.77	-6.66	8.8	17.3

## NGC 6541 in Corona Australis



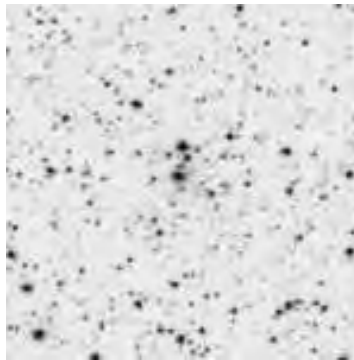
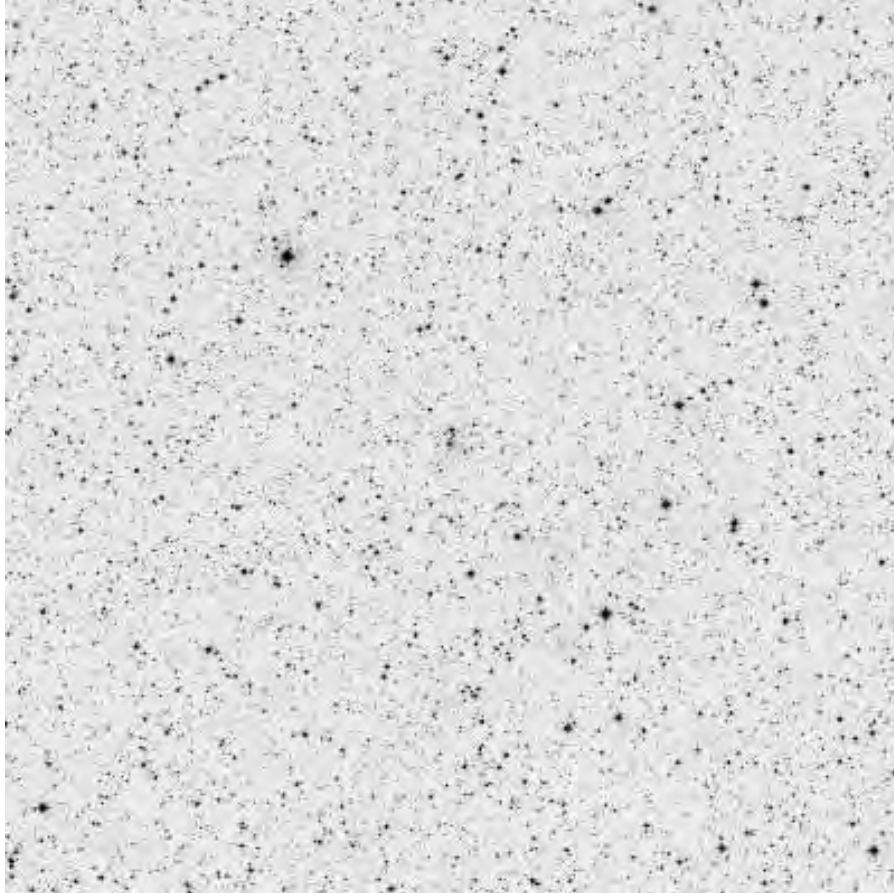
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6541		18 08 02.2	-43 30 00	6.30	-8.37	22.8	7.2

## 2 MS – GC 01 (2 MASS – GC 01) in Sagittarius



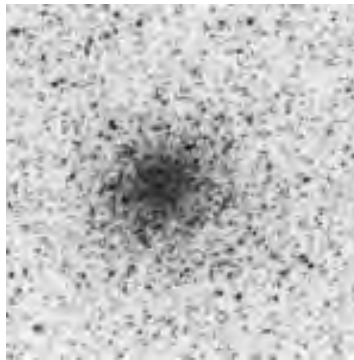
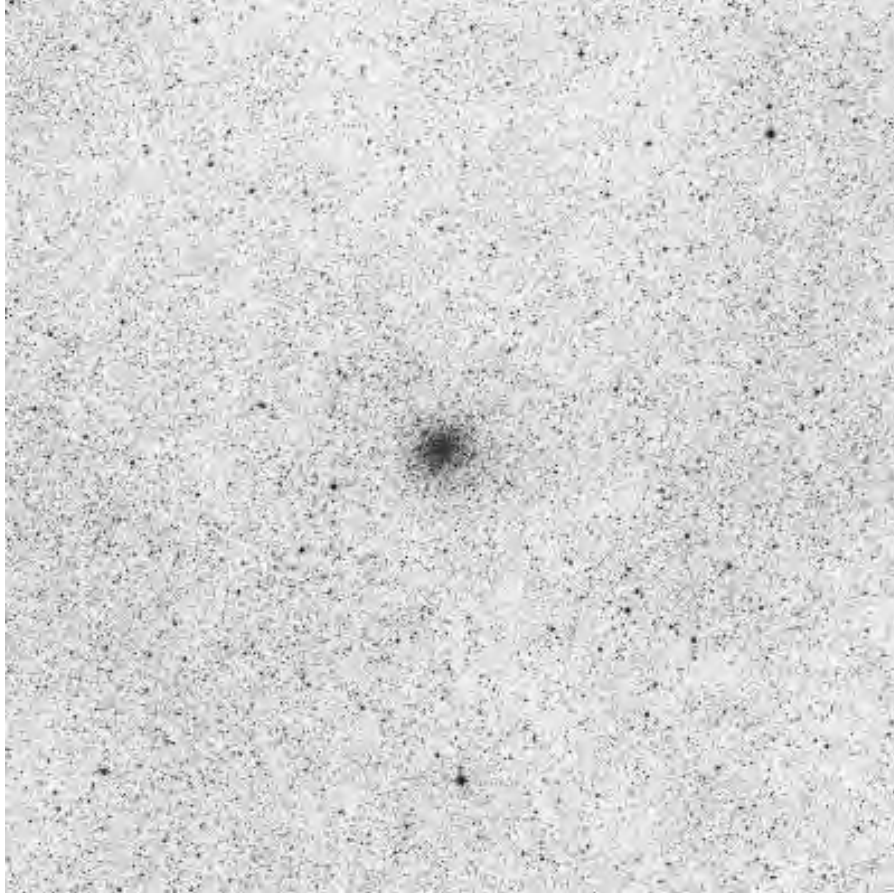
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
2MS-GC01	2MASS-GC01	18 08 21.8	-19 49 47			11.7	14.7

## ESO - SC 06 (ESO 280 - SC 06) in Ara



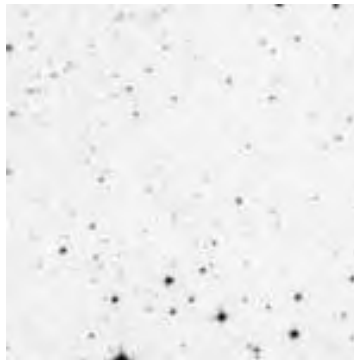
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
ESO-SC06	ESO280-SC06	18 09 06.0	-46 25 23			70.7	46.6

## NGC 6553 in Sagittarius



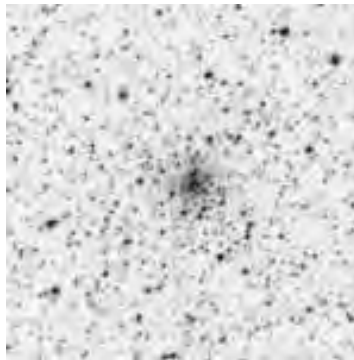
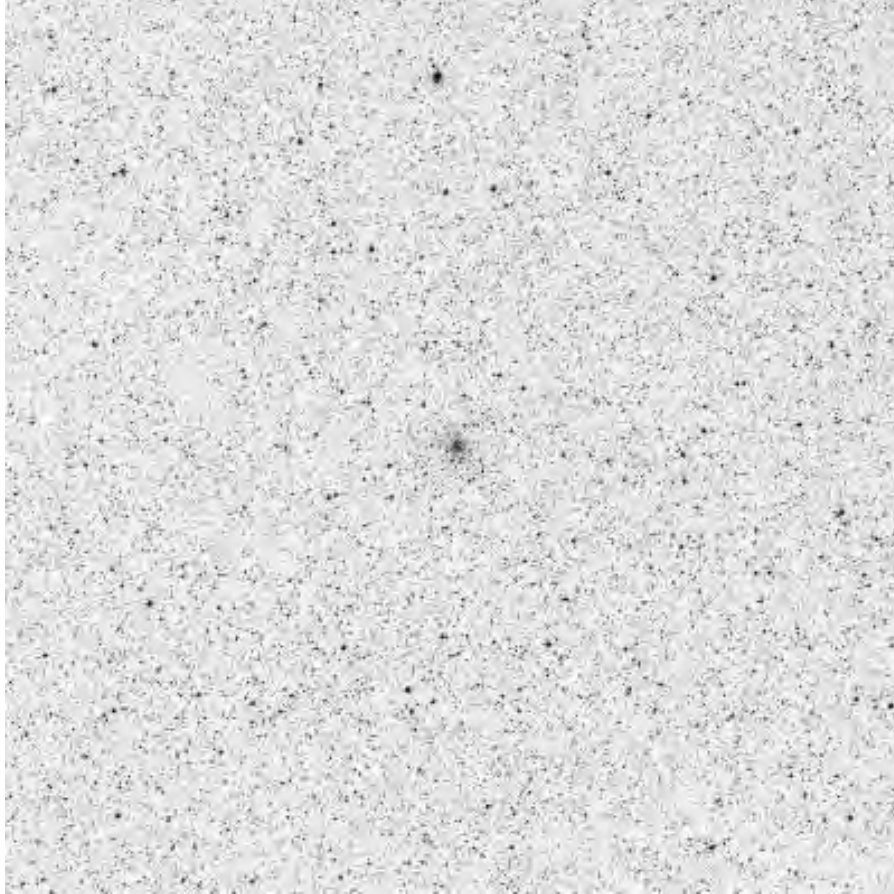
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6553		18 09 17.6	-25 54 31	8.06	-7.77	19.6	7.2

## 2 MS – GC 02 (2 MASS – GC 02) in Sagittarius



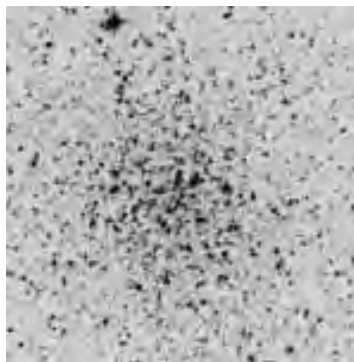
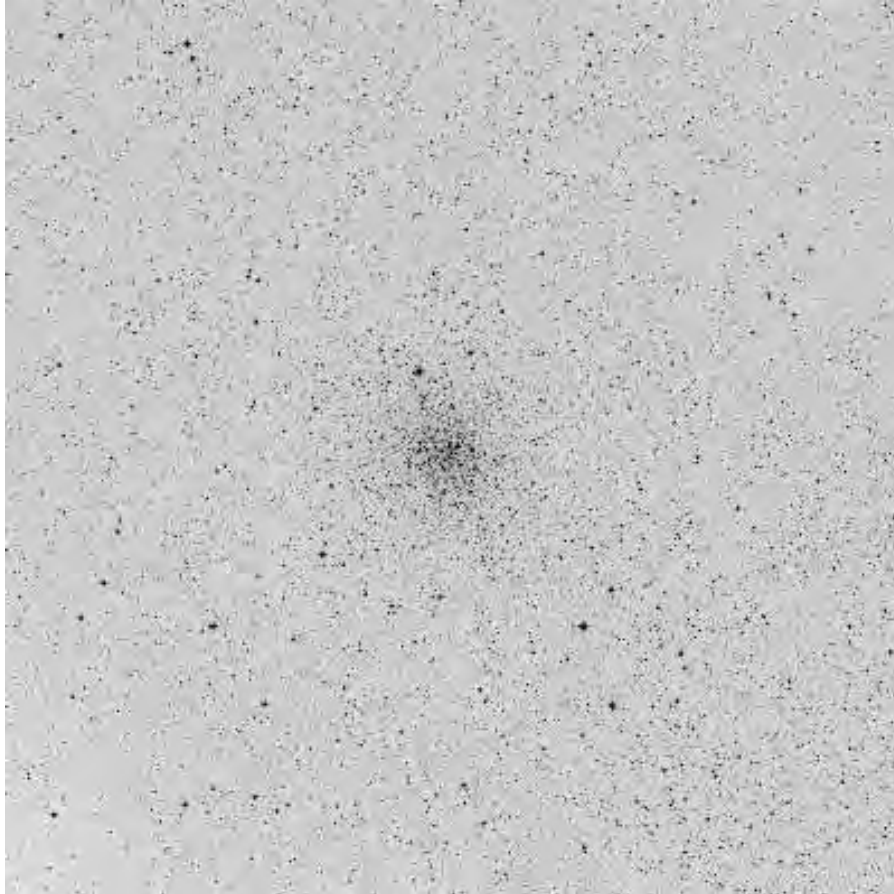
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
2MS-GC02	2MASS- GC02	18 09 36.5	-20 46 44			13	13.4

## NGC 6558 in Sagittarius



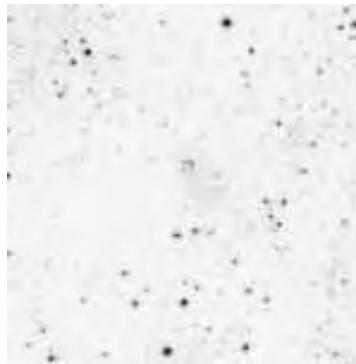
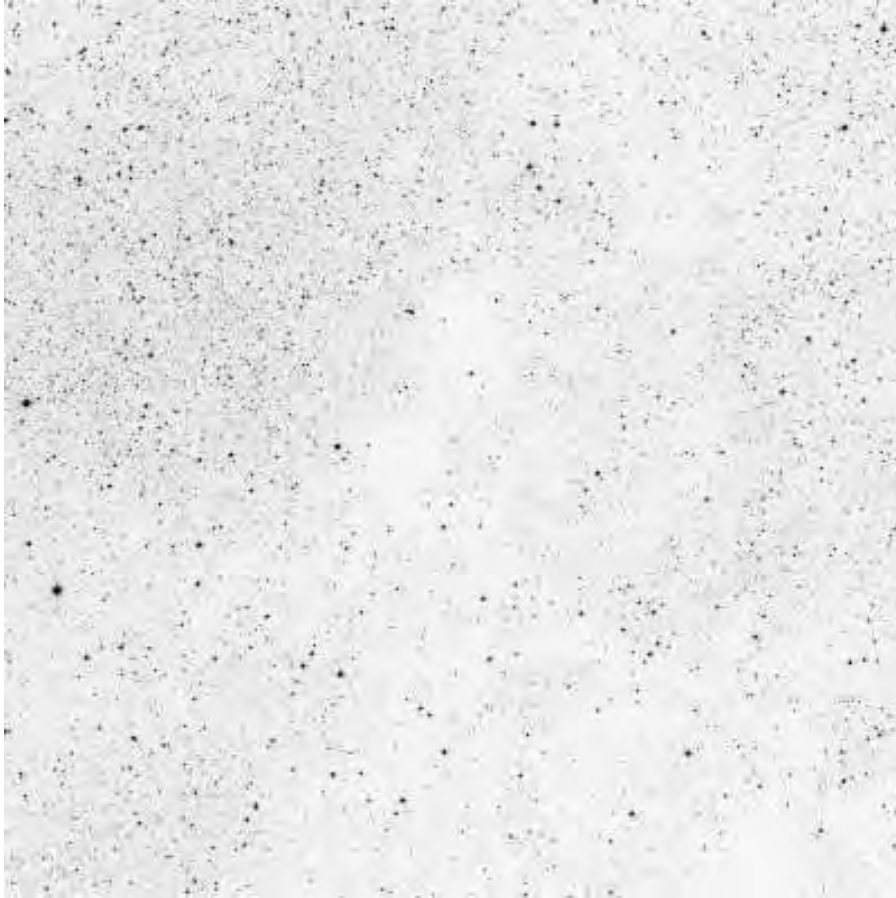
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6558		18 10 17.6	-31 45 50	9.26	-6.46	24.1	3.3

## IC 1276 (Palomar 7) in Serpens Cauda



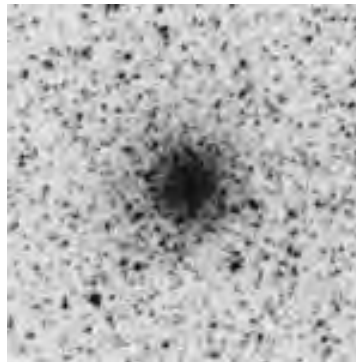
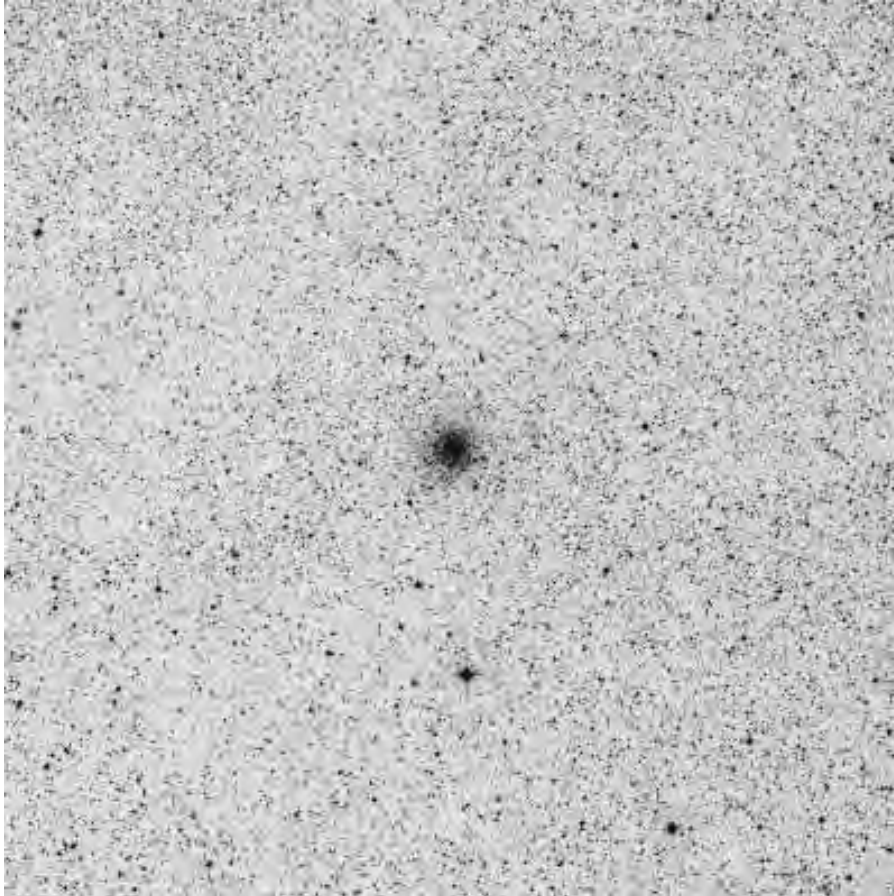
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
IC 1276	Pal 7	18 10 44.2	-07 12 27	10.34	-6.67	17.6	12.1

## Terzan 11 in Sagittarius



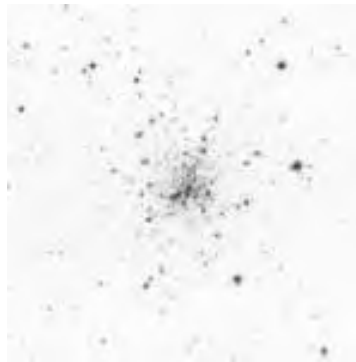
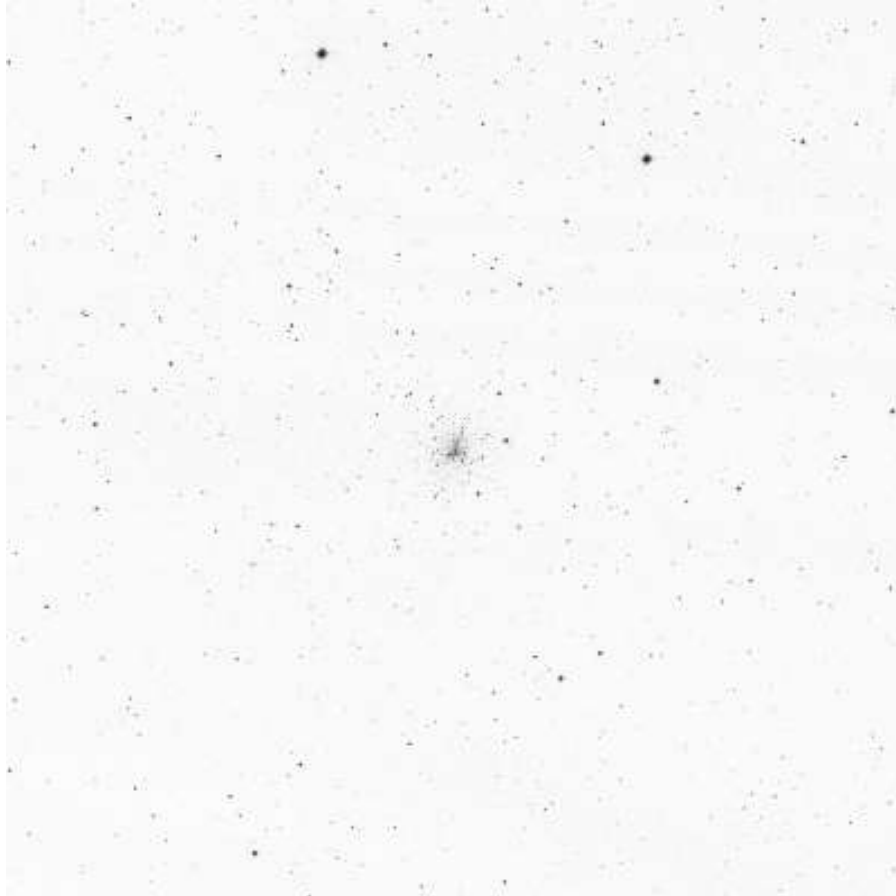
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 11		18 12 15.8	-22 44 31	15.63	-4.14	15.6	11.1

## NGC 6569 in Sagittarius



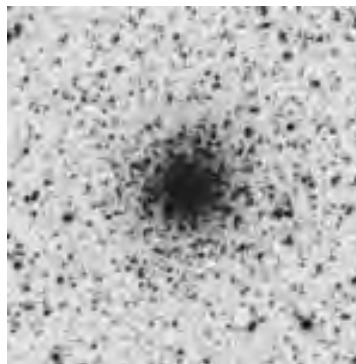
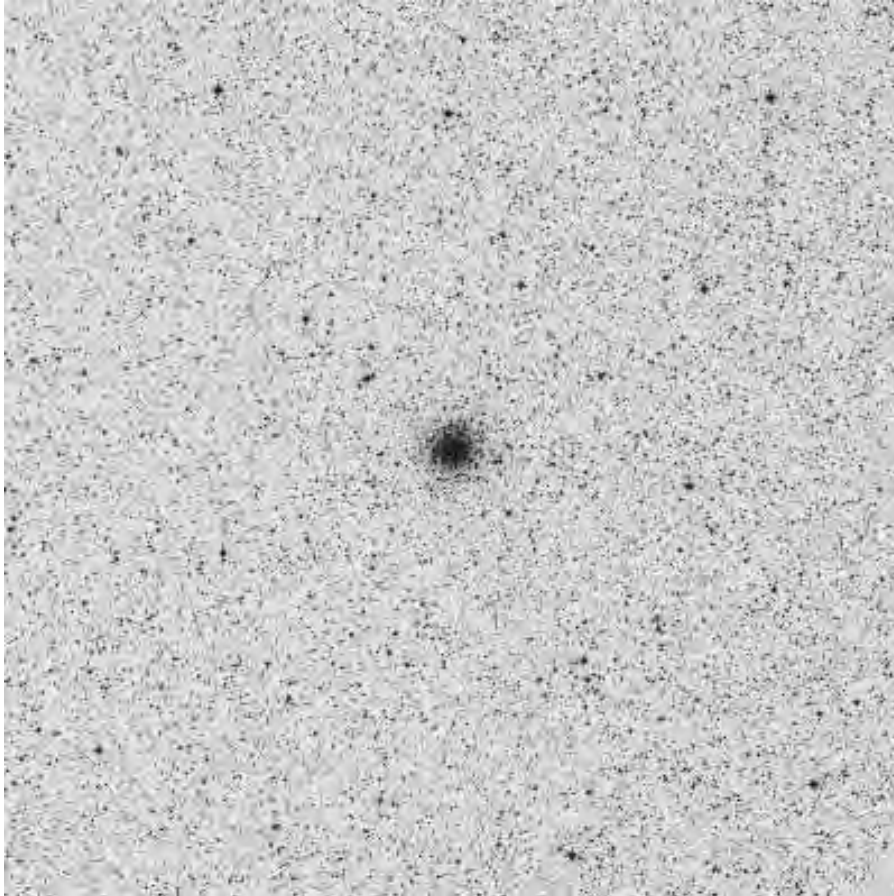
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6569		18 13 38.8	-31 49 37	8.55	-8.30	34.9	9.5

## NGC 6584 in Telescopium



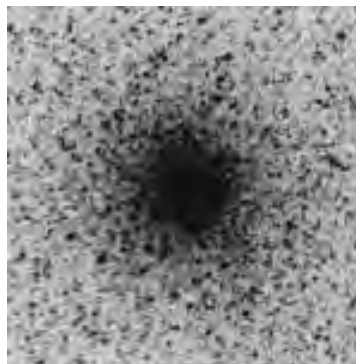
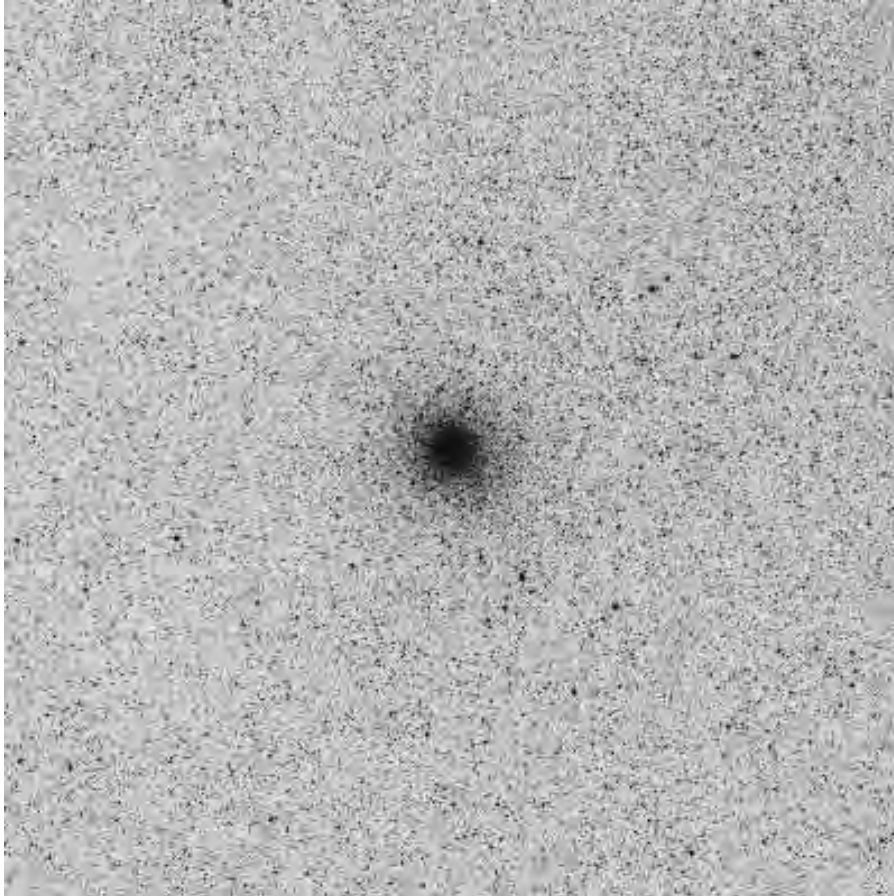
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6584		18 18 37.7	-52 12 54	8.27	-7.68	43.7	22.8

## NGC 6624 in Sagittarius



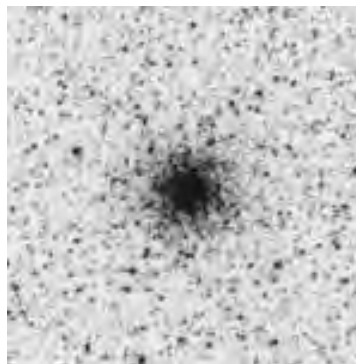
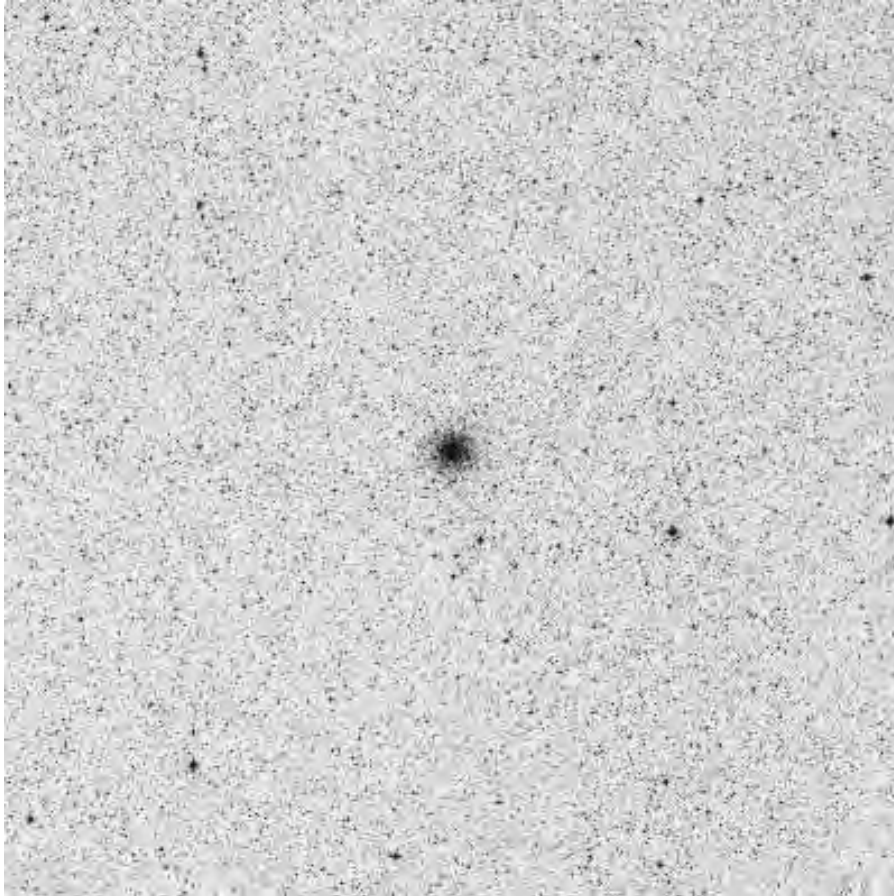
ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
NGC 6624		18 23 40.5	-30 21 40	7.87	-7.49	25.8	3.9

## NGC 6626 (M 28) in Sagittarius



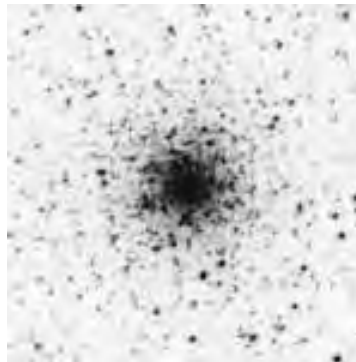
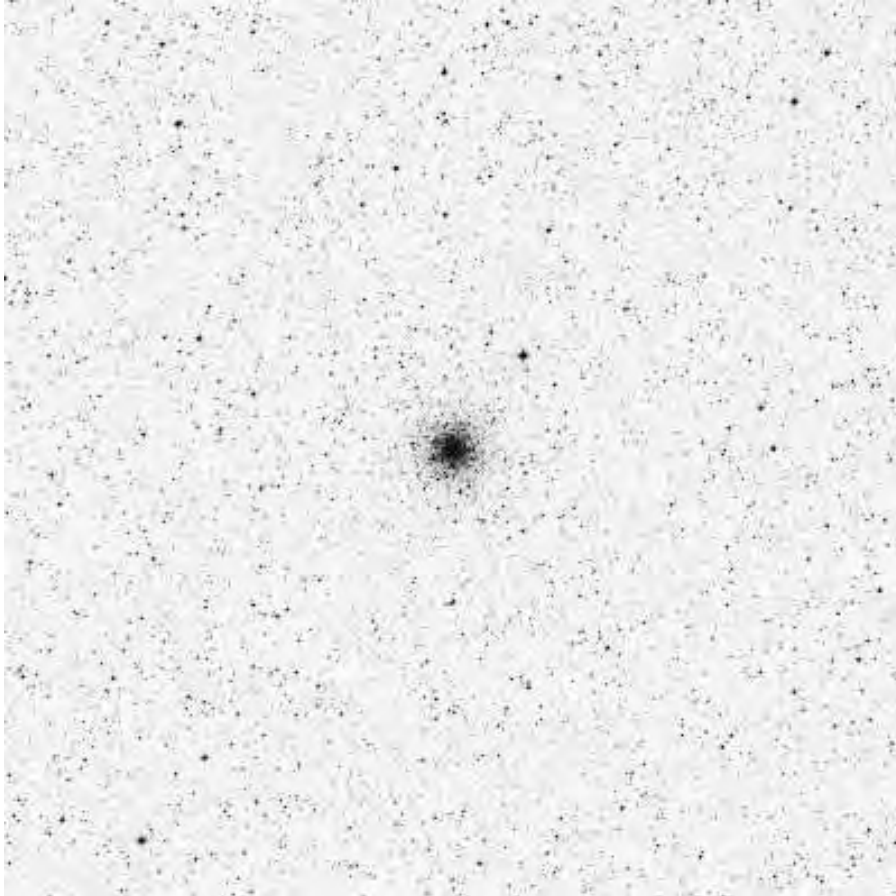
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6626	M 28	18 24 32.9	-24 52 12	6.79	-8.18	18.3	8.8

## NGC 6638 in Sagittarius



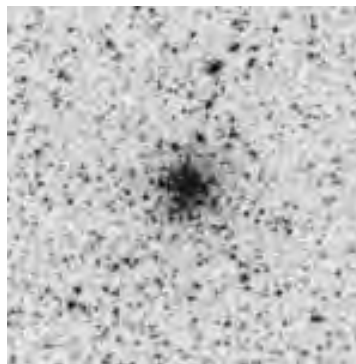
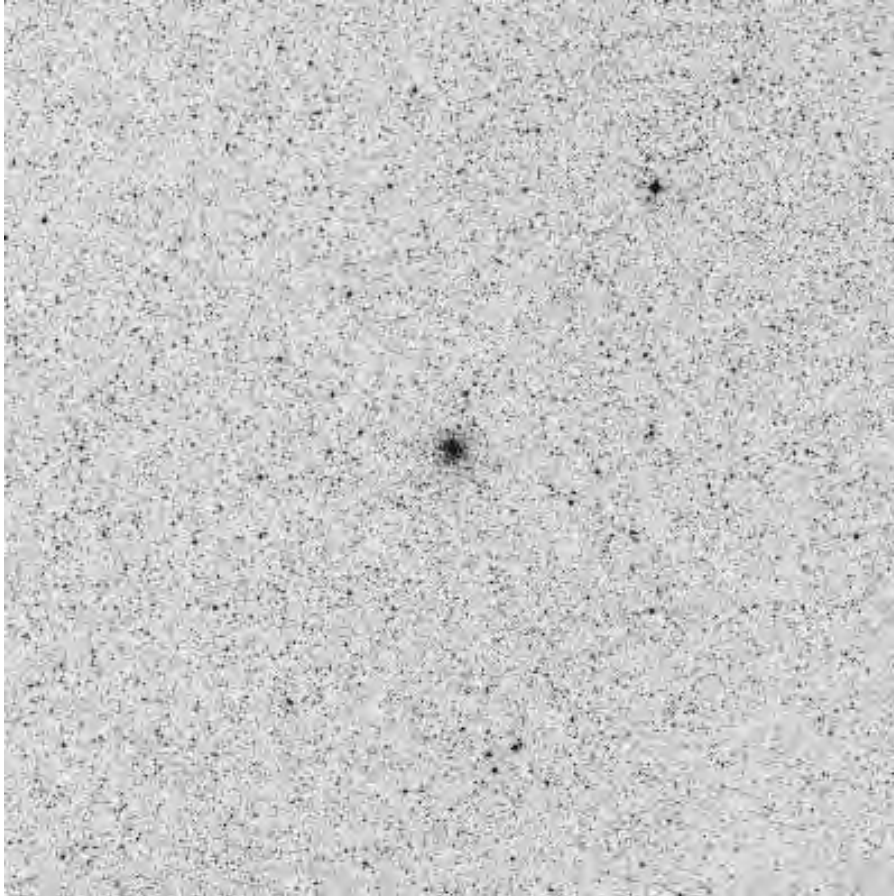
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6638		18 30 56.1	-25 29 51	9.02	-7.13	31.3	7.5

## NGC 6637 (M 69) in Sagittarius



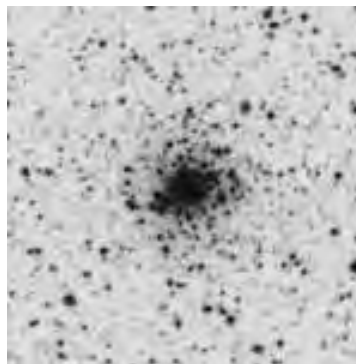
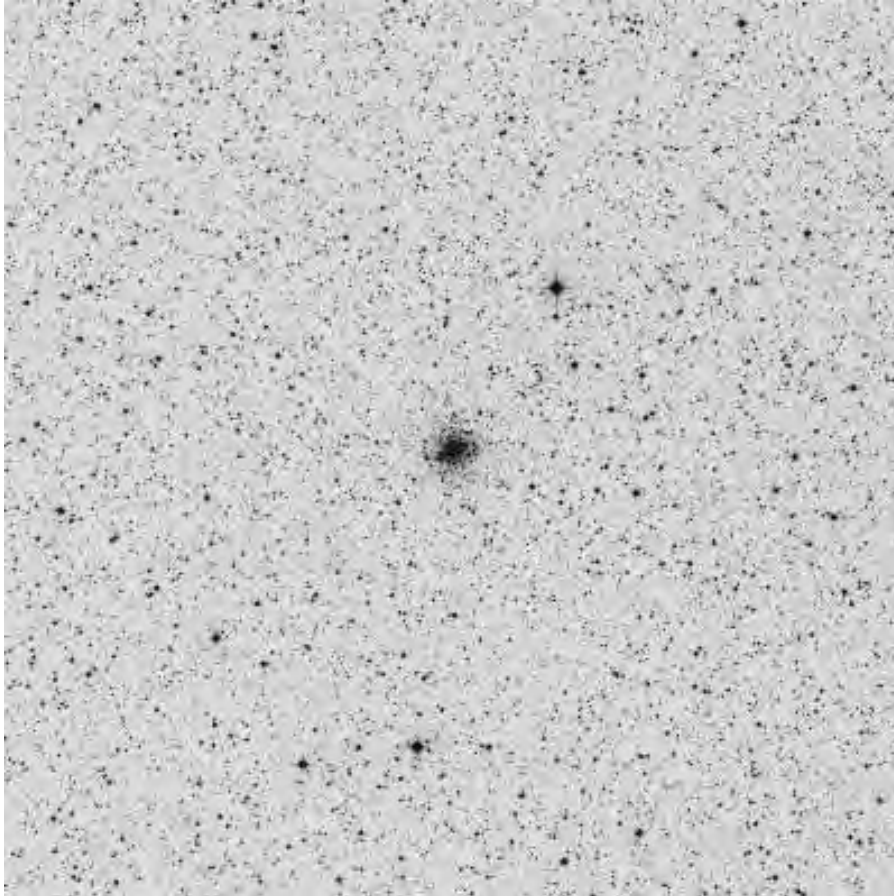
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6637	M 69	18 31 23.2	-32 20 53	7.64	-7.64	29.7	6.2

## NGC 6642 in Sagittarius



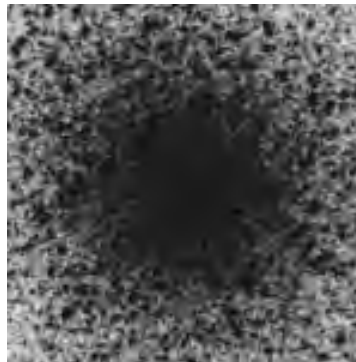
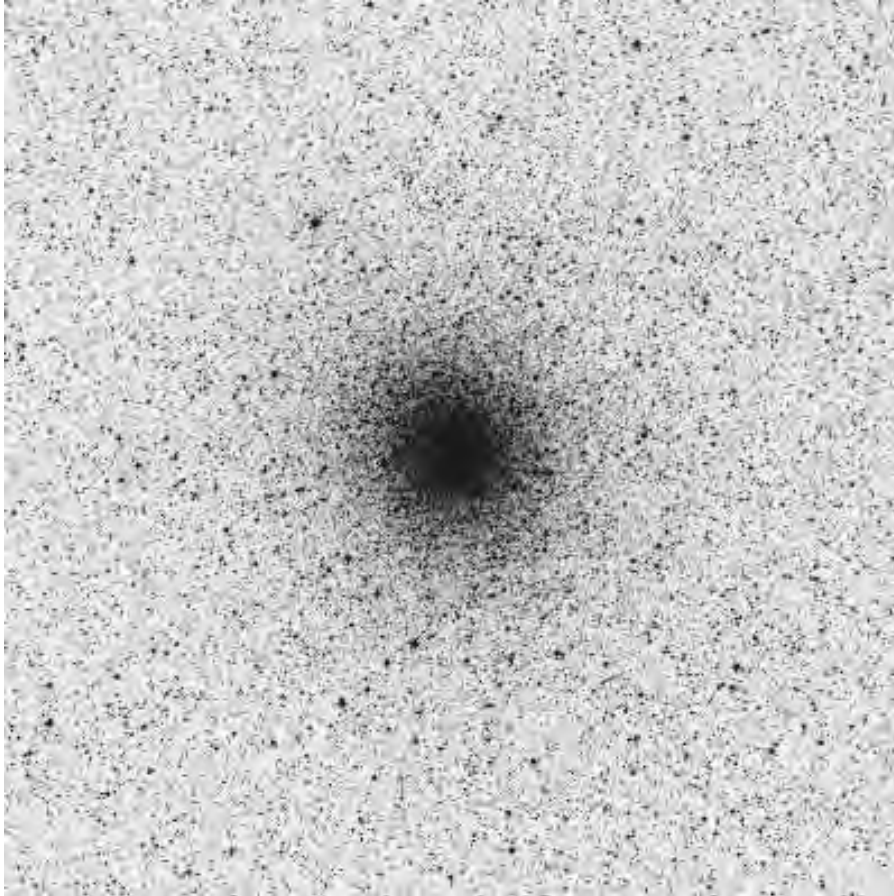
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6642		18 31 54.1	-23 28 31	9.13	-6.77	27.4	5.5

## NGC 6652 in Sagittarius



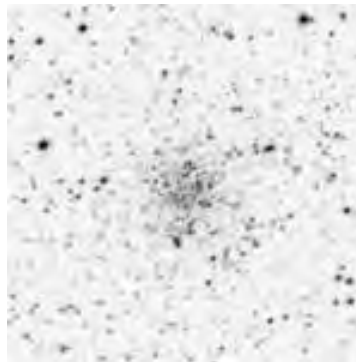
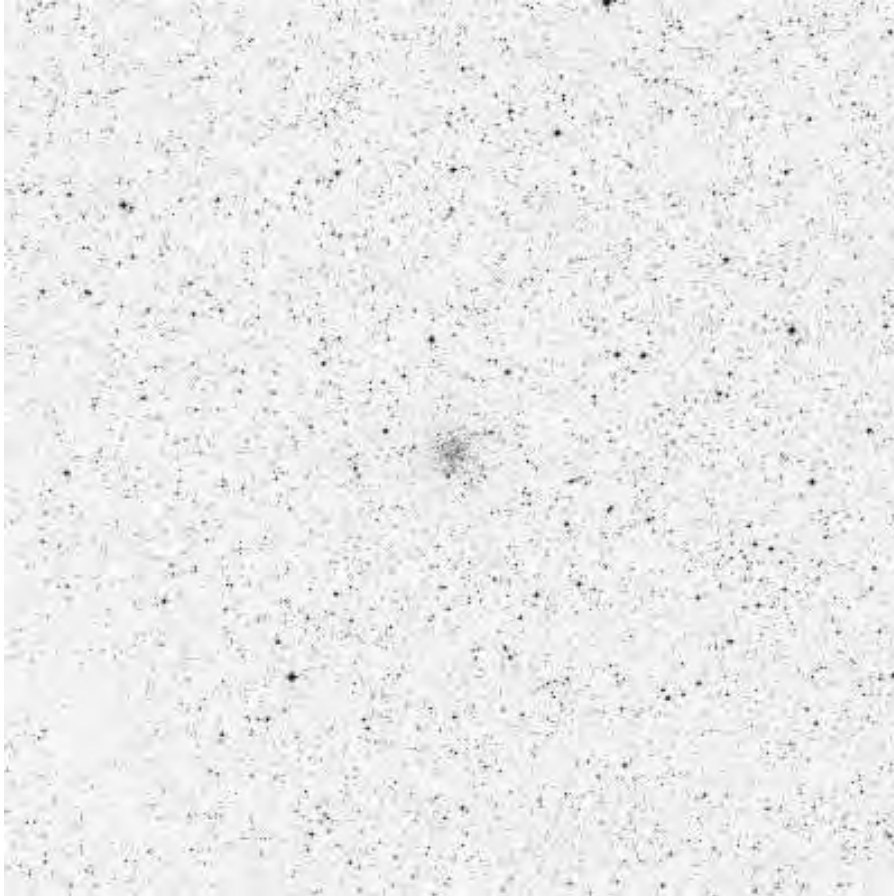
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6652		18 35 45.7	-32 59 25	8.62	-6.68	32.	9.1

## NGC 6656 (M 22) in Sagittarius



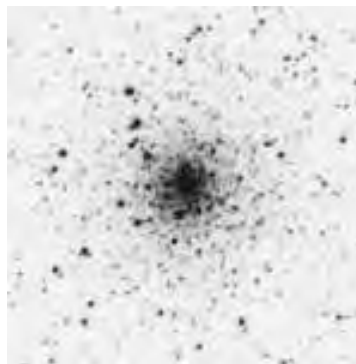
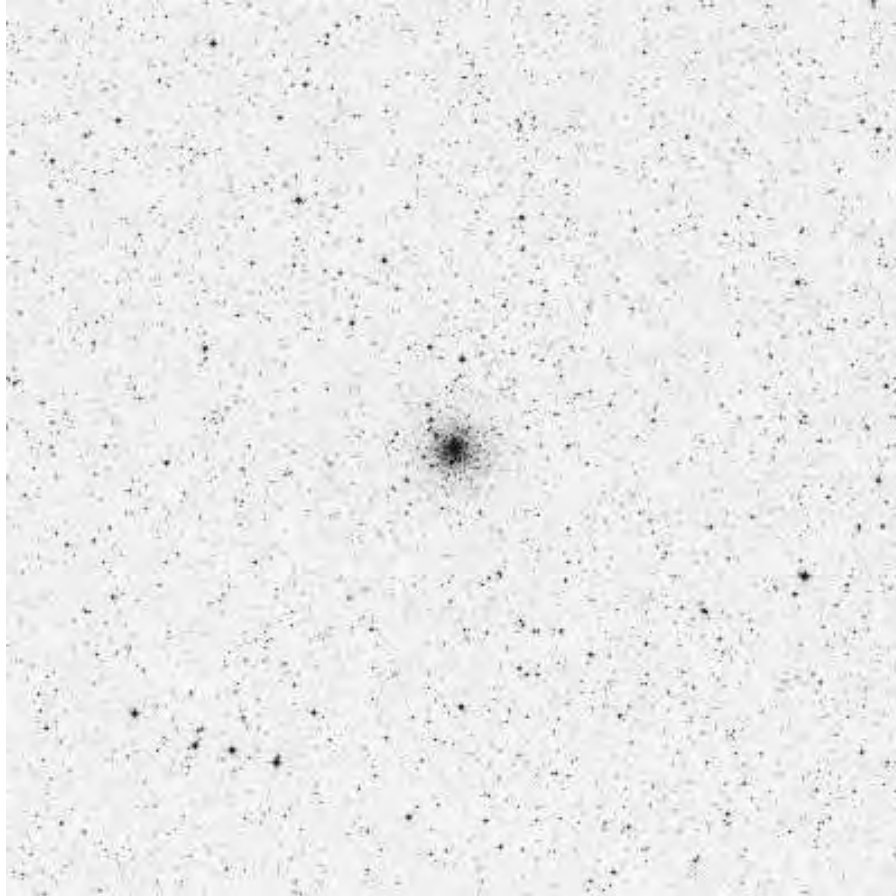
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6656	M 22	18 36 24.2	-23 54 12	5.10	-8.50	10.4	16

## Palomar 8 in Sagittarius



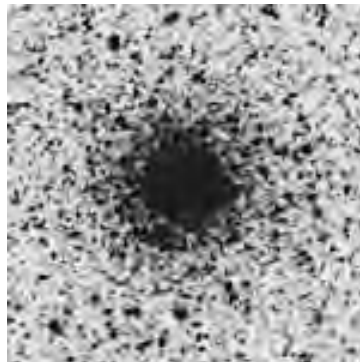
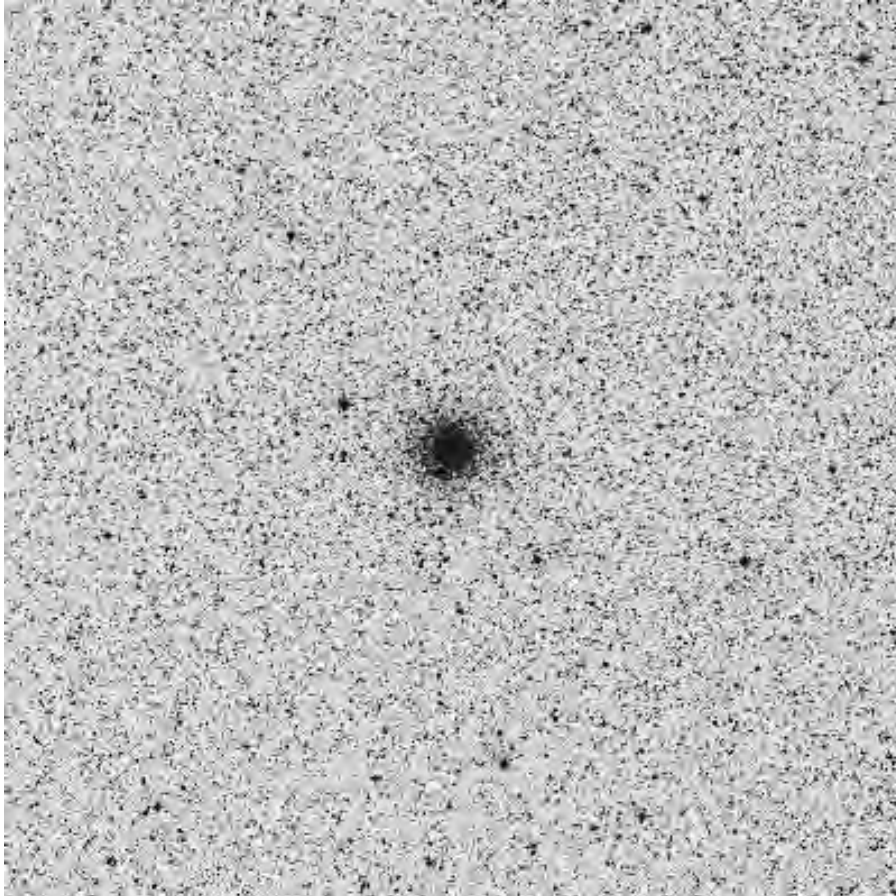
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 8		18 41 29.9	-19 49 33	11.02	-5.52	42.1	18.3

## NGC 6681 (M 70) in Sagittarius



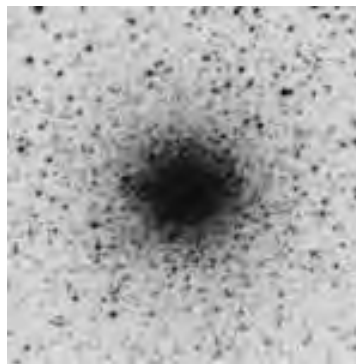
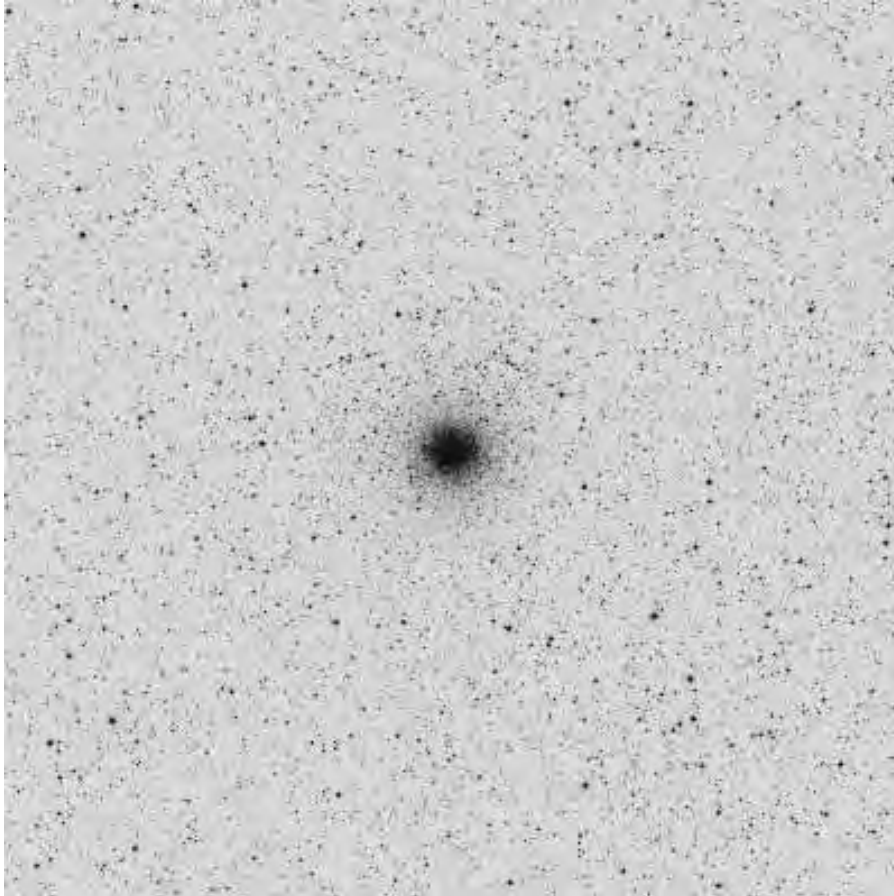
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6681	M 70	18 43 12.7	-32 17 31	7.87	-7.11	29.3	6.8

## NGC 6712 in Scutum



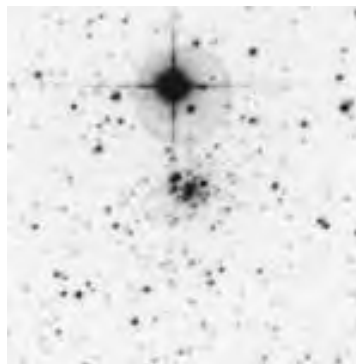
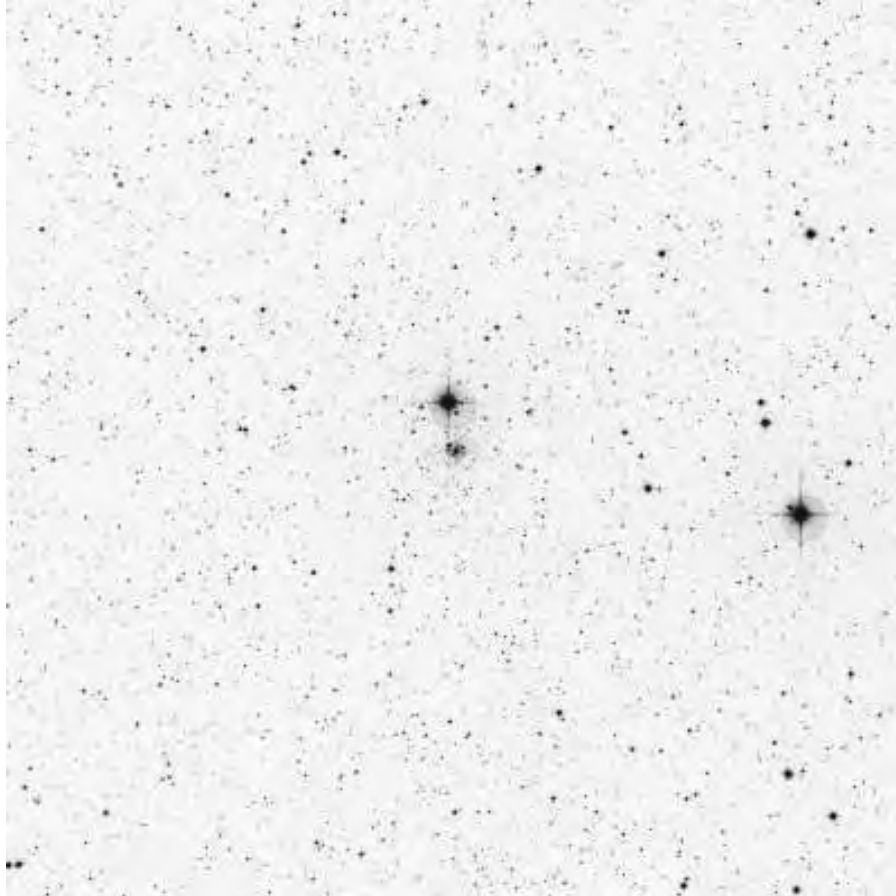
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6712		18 53 04.3	-08 42 22	8.10	-7.50	22.5	11.4

## NGC 6715 (M 54) in Sagittarius



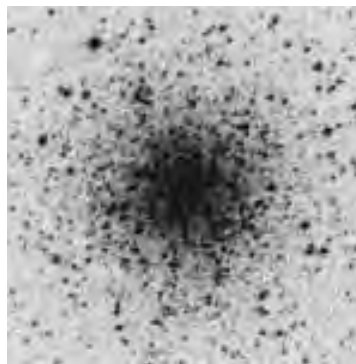
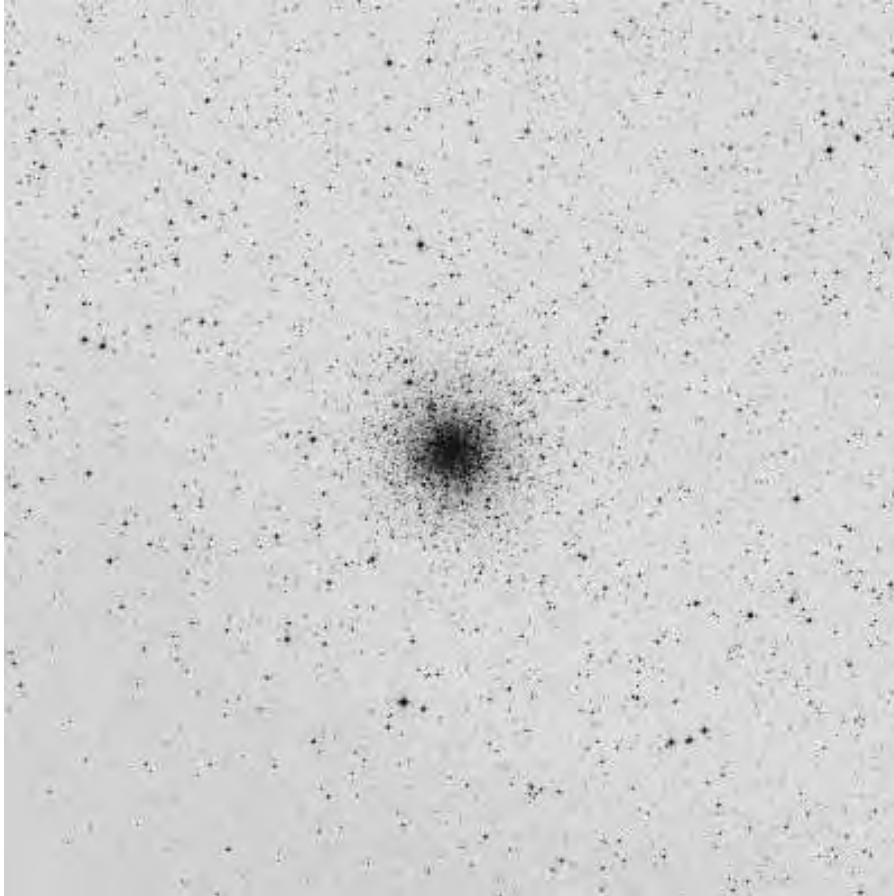
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc	
NGC 6715	M 54	18 55 03.3	-30 28 42	7.60	-	10.01	87.4	62.6

## NGC 6717 (Palomar 9) in Sagittarius



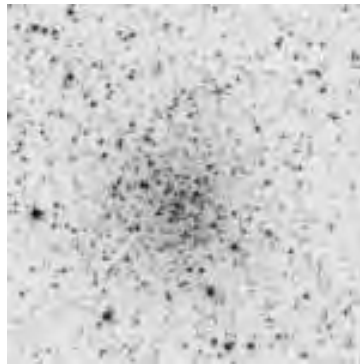
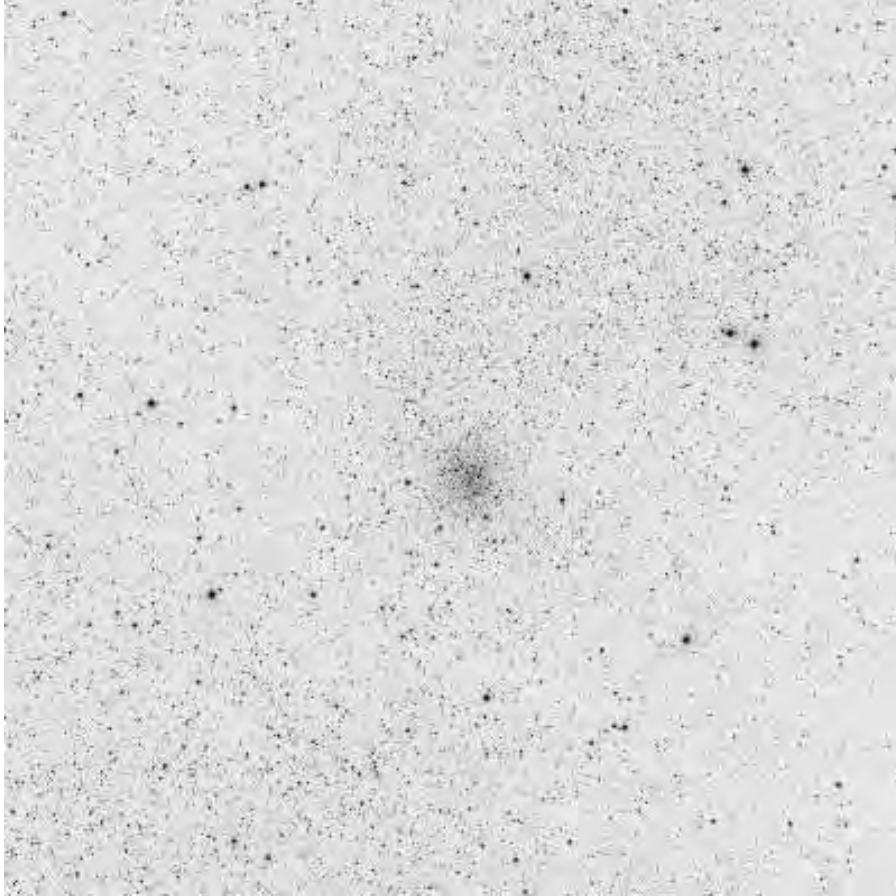
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6717	Palomar 9	18 55 06.2	-22 42 03	9.28	-5.66	23.1	7.8

## NGC 6723 in Sagittarius



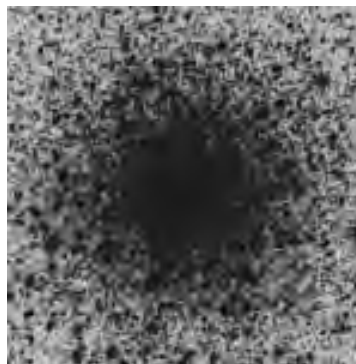
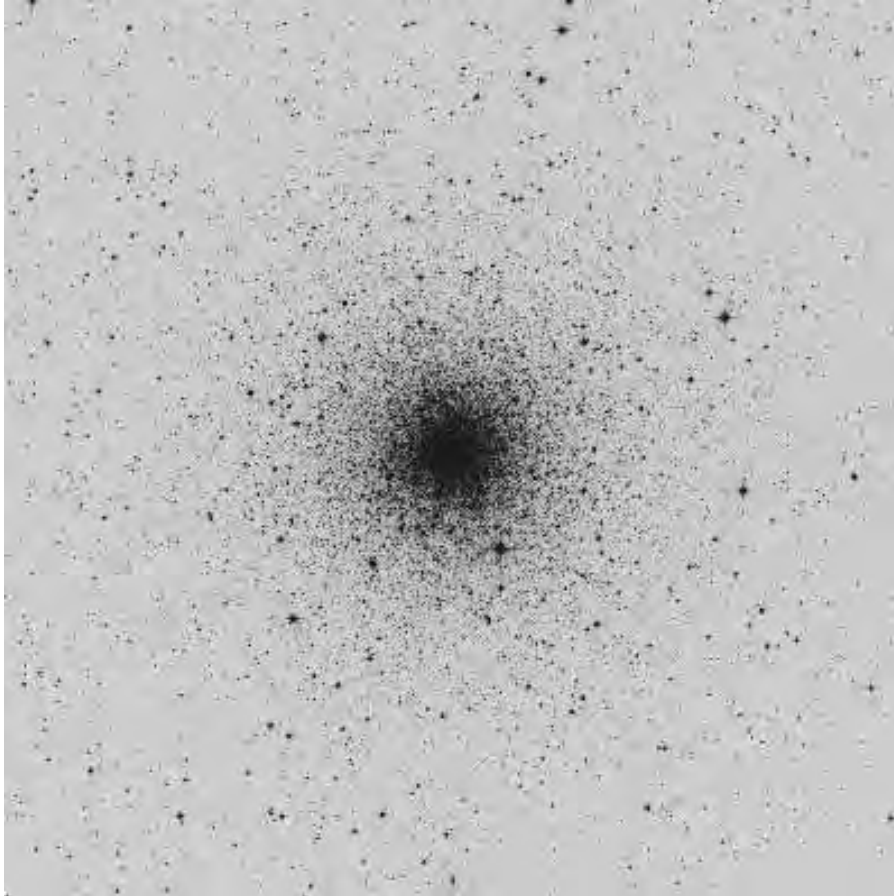
ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
NGC 6723		18 59 33.2	-36 37 54	7.01	-7.84	28.4	8.5

## NGC 6749 in Aquila



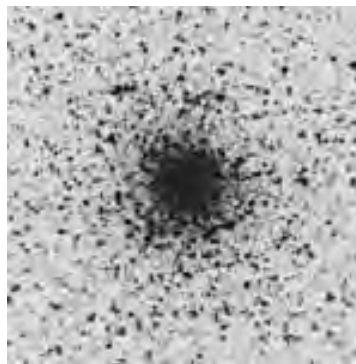
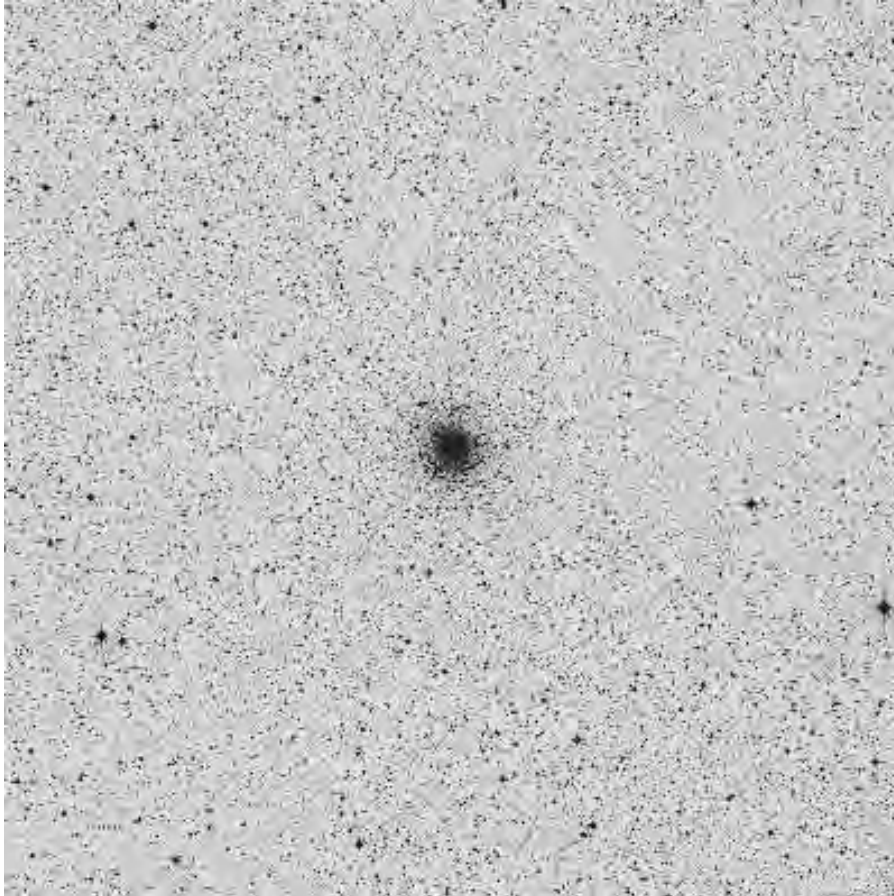
ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
NGC 6749		19 05 15.3	+01 54 03	12.44	-6.70	25.8	16.3

## NGC 6752 in Pavo



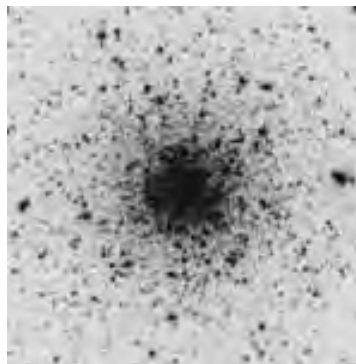
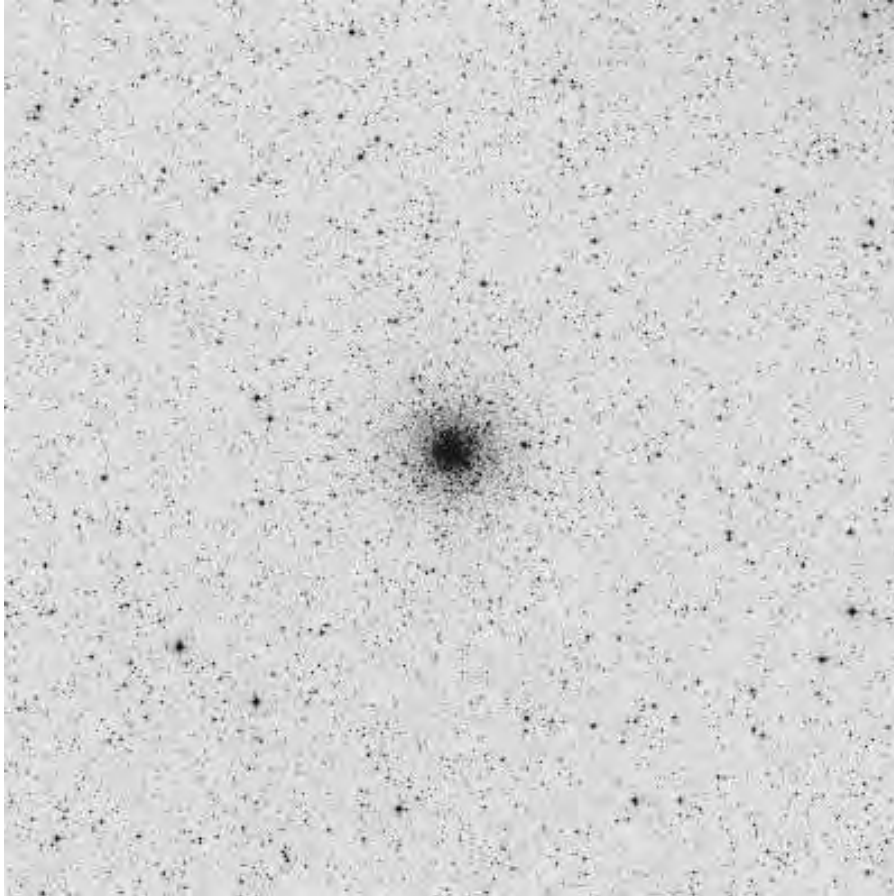
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6752		19 10 52.0	-59 59 05	5.40	-7.73	13	17

## NGC 6760 in Aquila



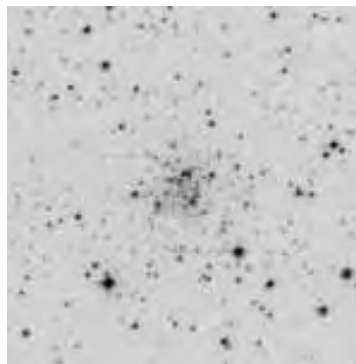
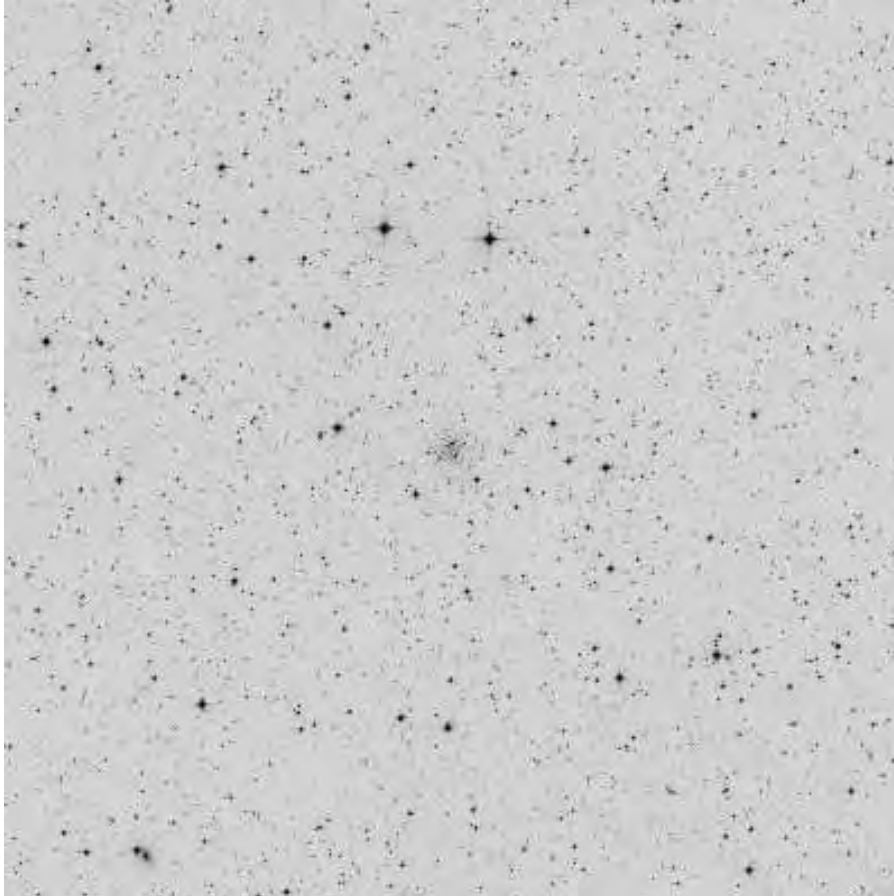
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6760		19 11 12.1	+01 01 50	8.88	-7.86	24.1	15.6

## NGC 6779 (M 56) in Lyra



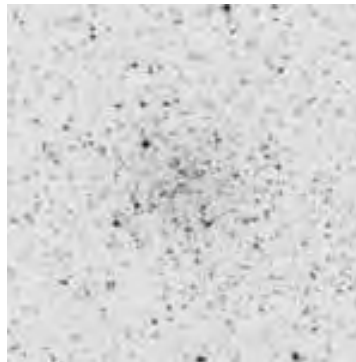
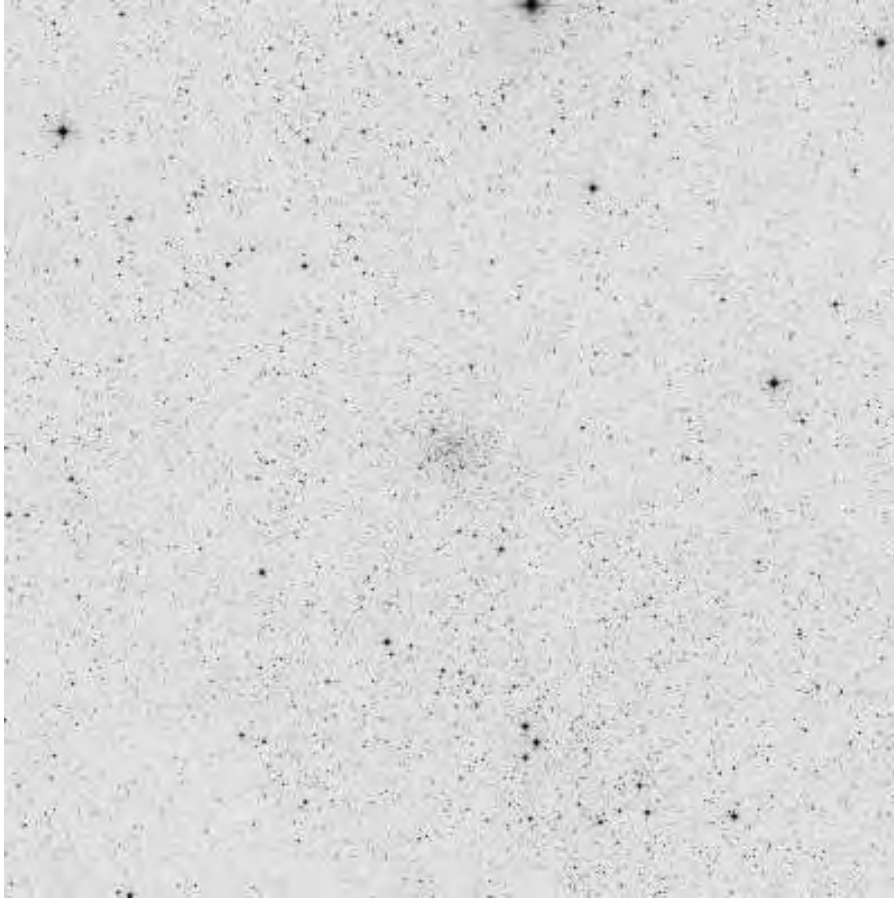
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6779	M 56	19 16 35.5	+30 11 05	8.27	-7.38	32.9	31.6

## Terzan 7 in in Sagittarius



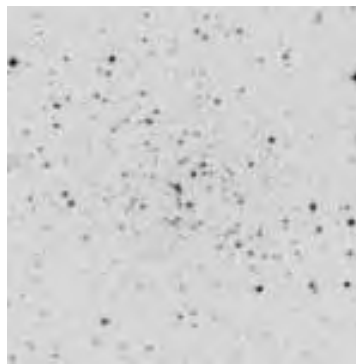
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 7		19 17 43.7	-34 39 27	12.00	-5.05	75.6	52.2

## Palomar 10 in Sagitta



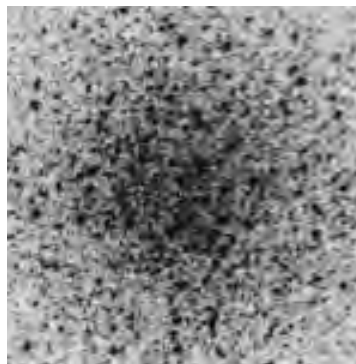
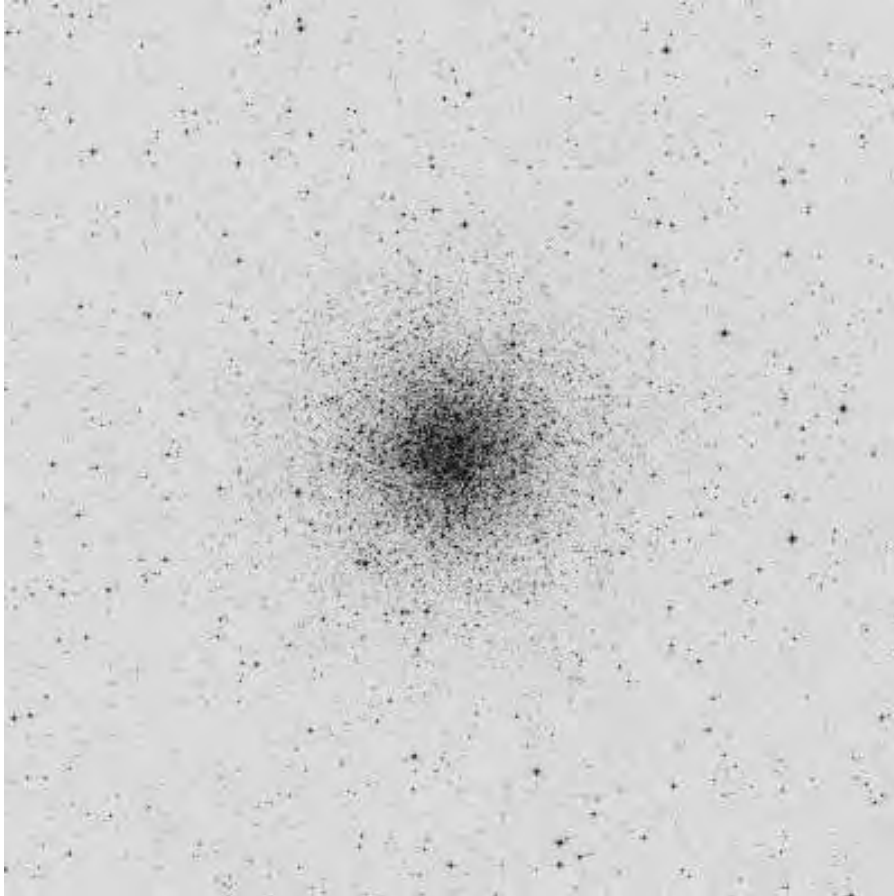
ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
Palomar 10		19 18 02.1	+18 34 18	13.22	-5.79	19.2	20.9

## Arp 2 in Sagittarius



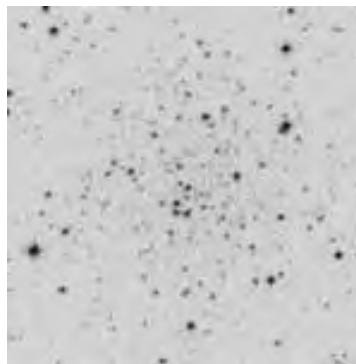
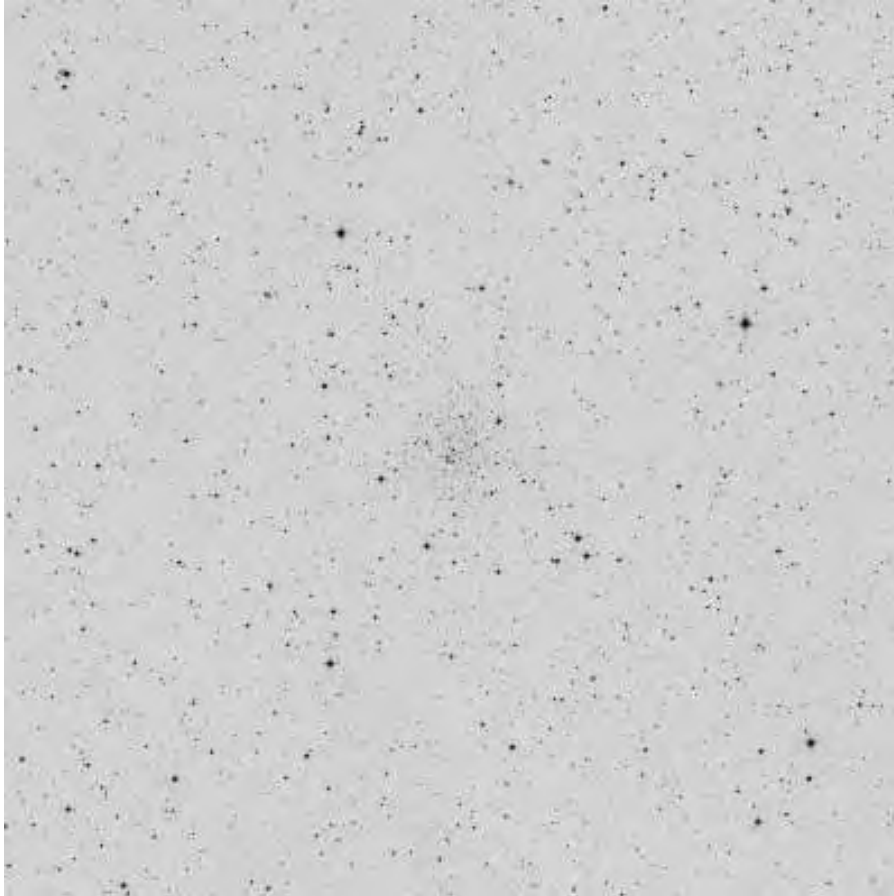
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Arp 2		19 28 44.1	-30 21 14	12.30	-5.29	93.2	69.8

## NGC 6809 (M 55) in Sagittarius



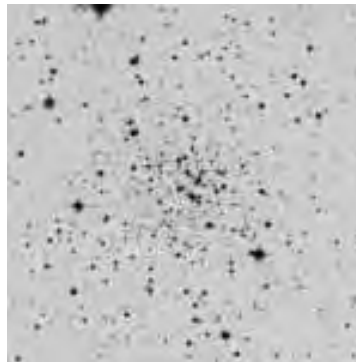
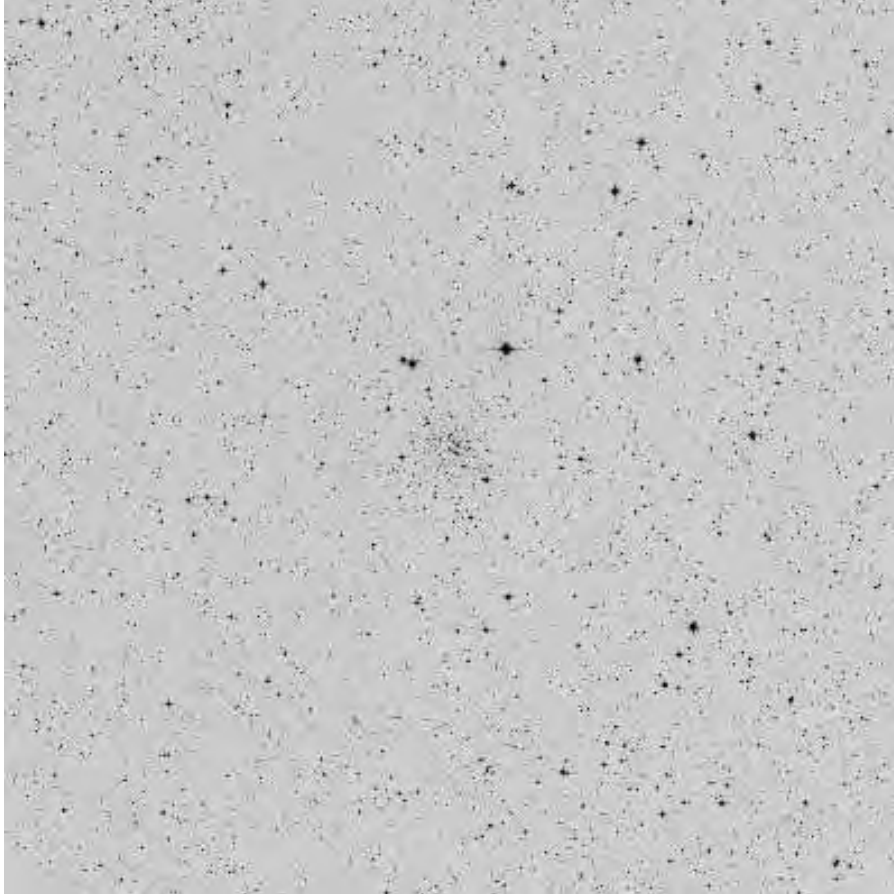
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6809	M 55	19 39 59.4	-30 57 44	6.32	-7.55	17.3	12.7

## Terzan 8 in Sagittarius



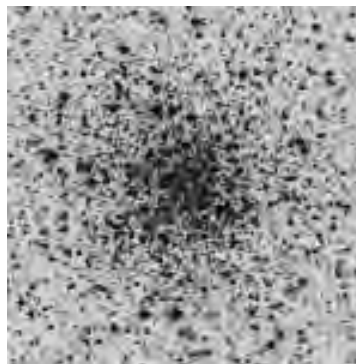
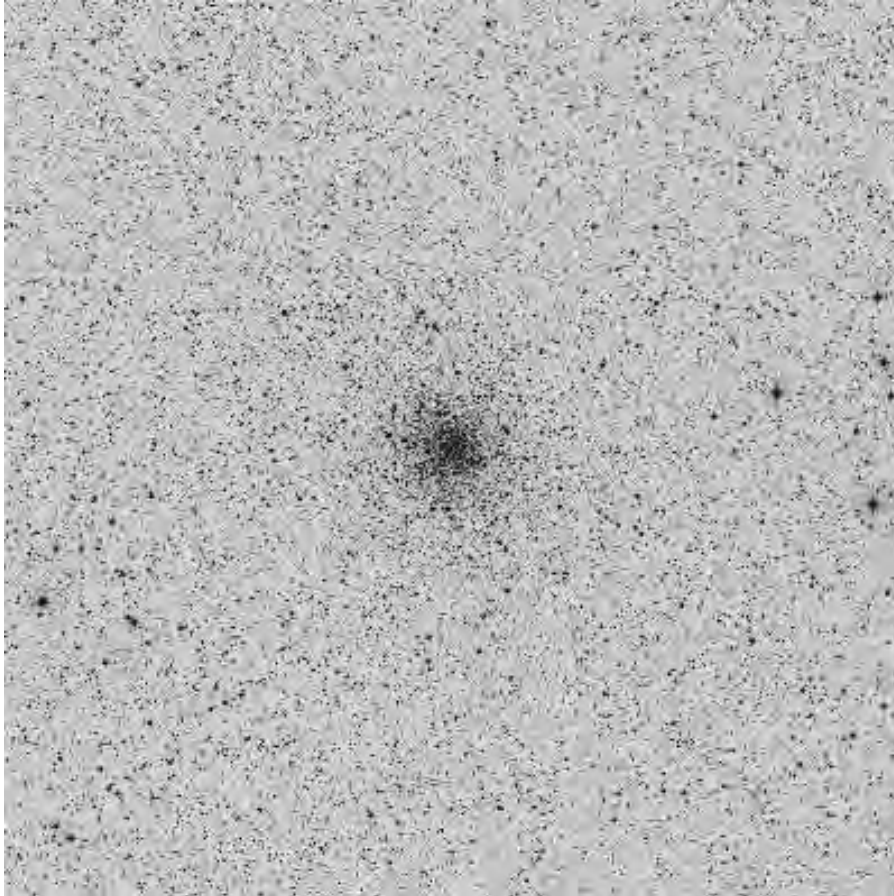
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Terzan 8		19 41 45.0	-34 00 01	12.40	-5.05	84.8	62.3

## Palomar 11 in Aquila



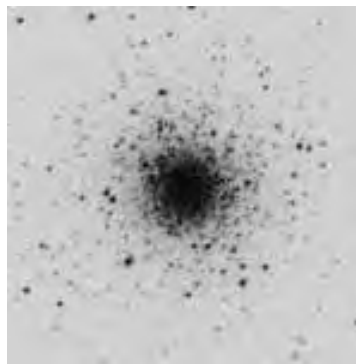
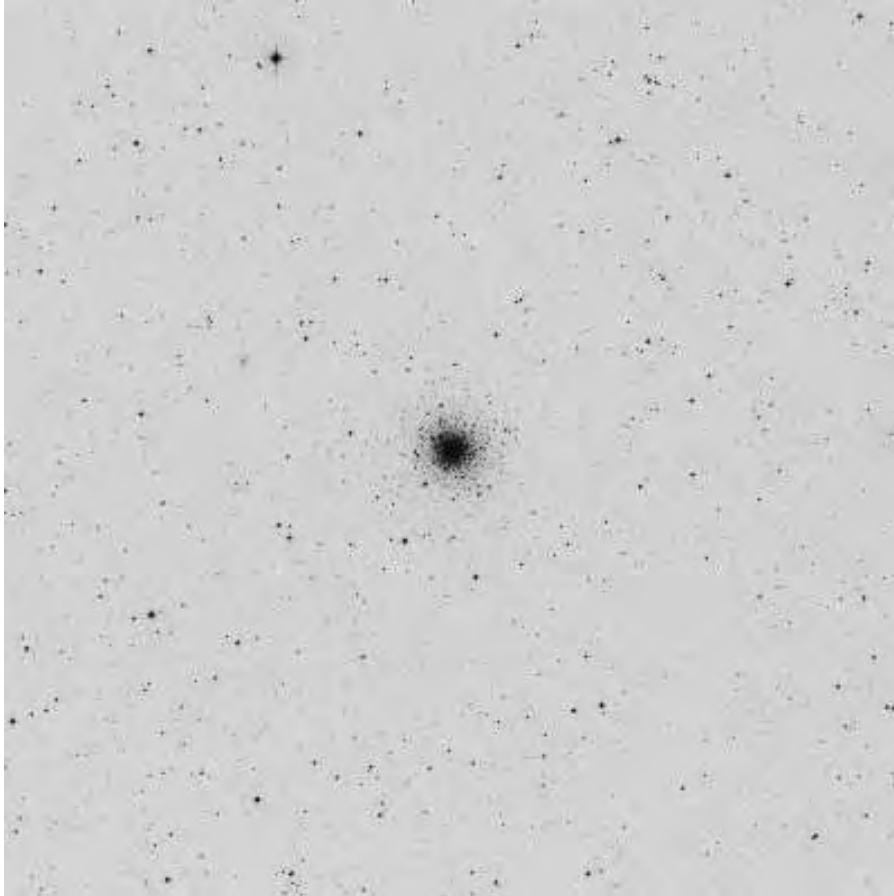
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 11		19 45 14.4	-08 00 26	9.80	-6.86	42.4	25.8

## NGC 6838 (M 71) in Sagitta



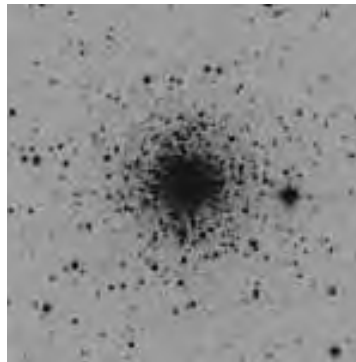
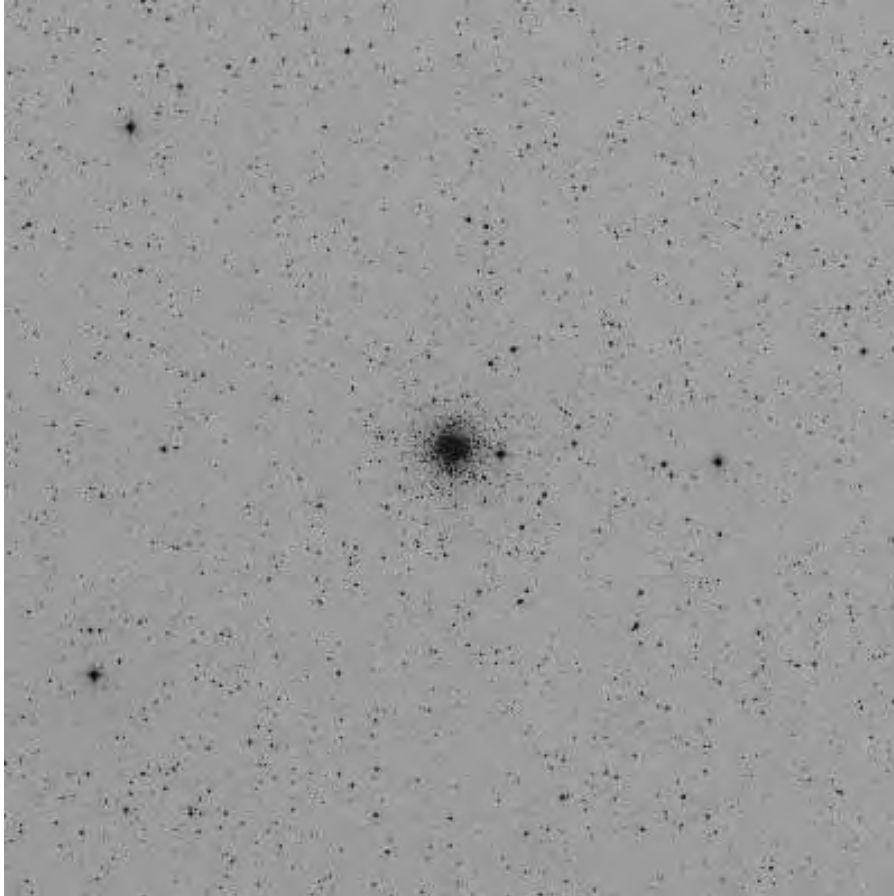
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6838	M 71	19 53 46.1	+18 46 42	8.19	-5.60	13	21.8

## NGC 6864 (M 75) in Sagittarius



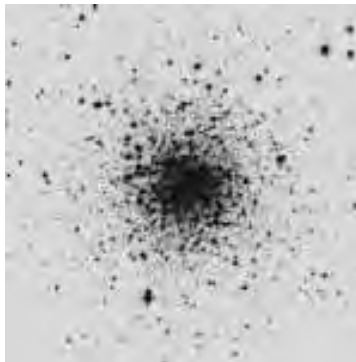
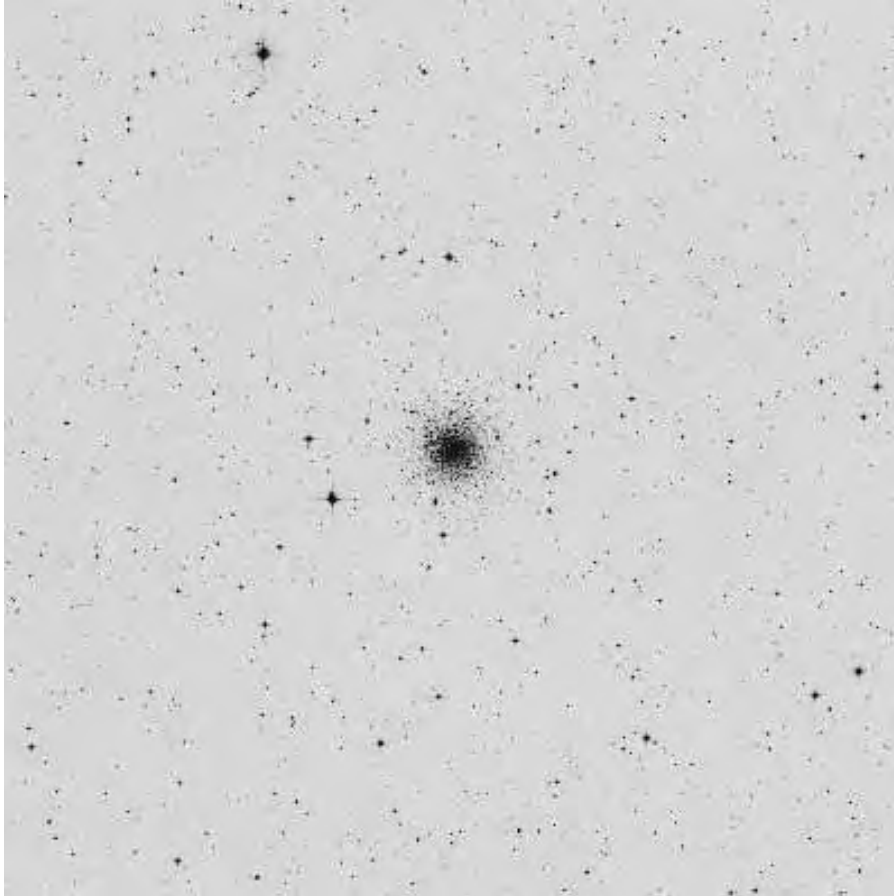
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6864	M 75	20 06 04.8	-21 55 17	8.52	-8.55	67.5	47.6

## NGC 6934 in Delphinus



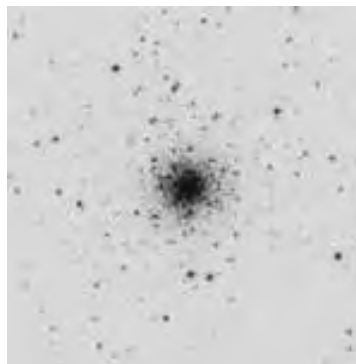
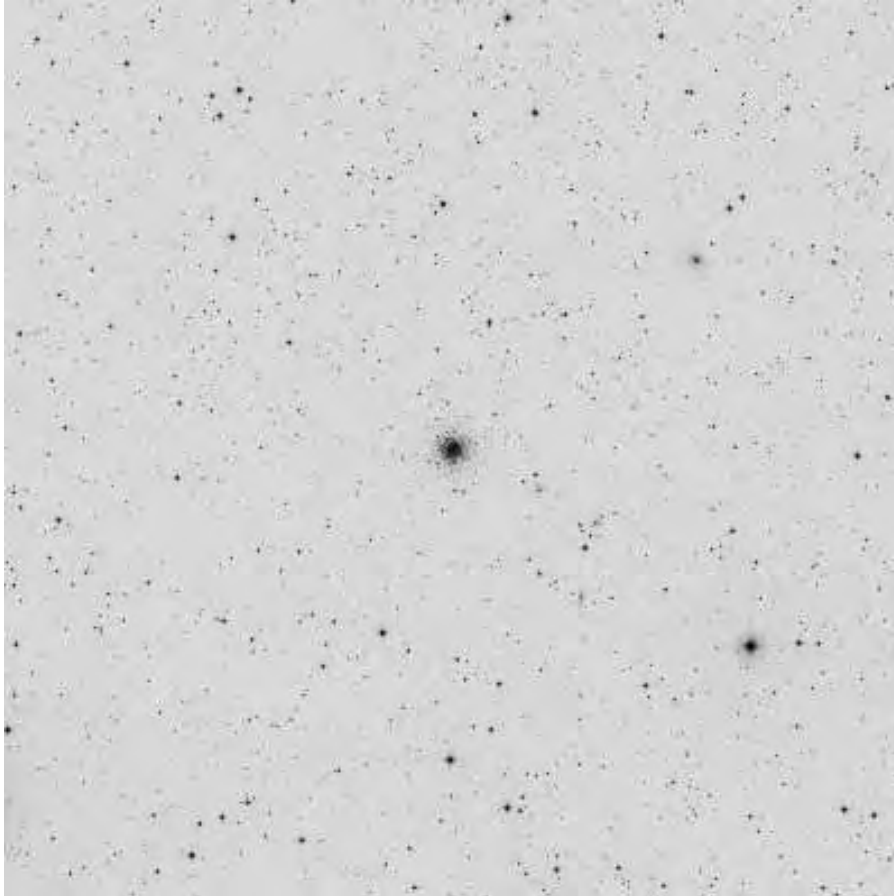
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6934		20 34 11.6	+07 24 15	8.83	-7.46	51.2	41.7

## NGC 6981 (M 72) in Aquarius



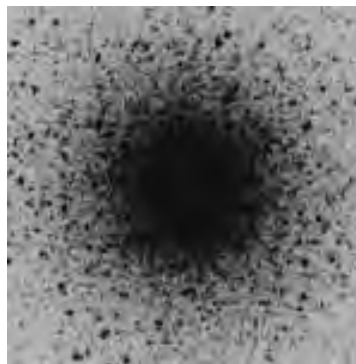
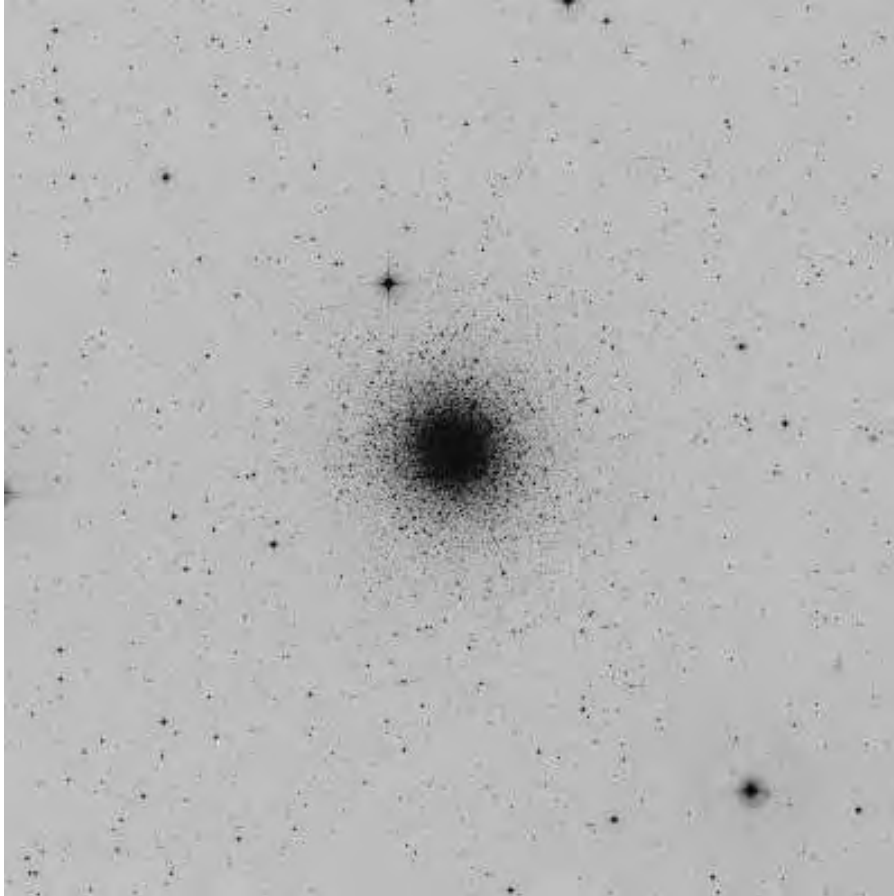
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 6981	M 72	20 53 27.9	-12 32 13	9.27	-7.04	55.4	42.1

## NGC 7006 in Delphinus



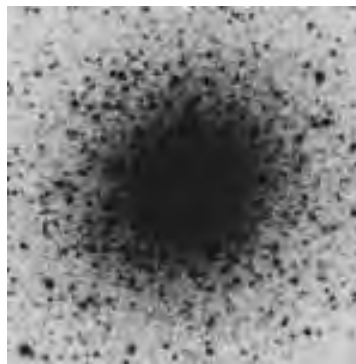
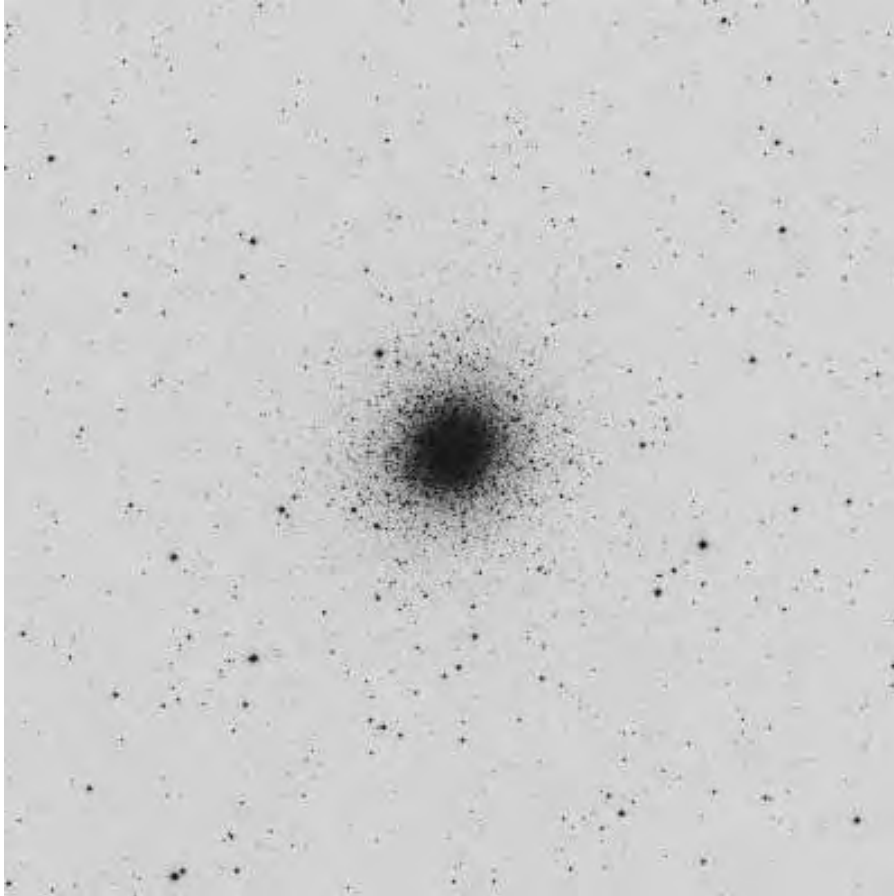
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 7006		21 01 29.5	+16 11 15	10.56	-7.68	135.3	126.5

## NGC 7078 (M 15) in Pegasus



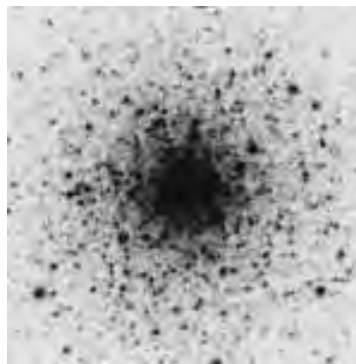
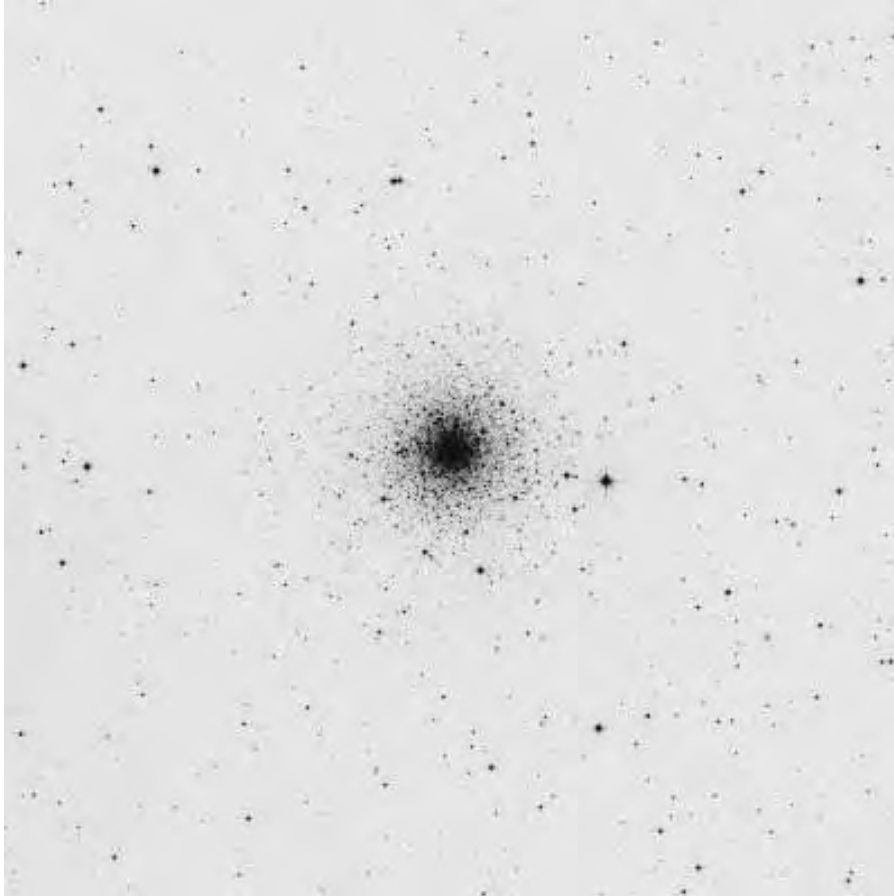
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 7078	M 15	21 29 58.3	+12 10 01	6.20	-9.17	33.6	33.9

## NGC 7089 (M 2) in Aquarius



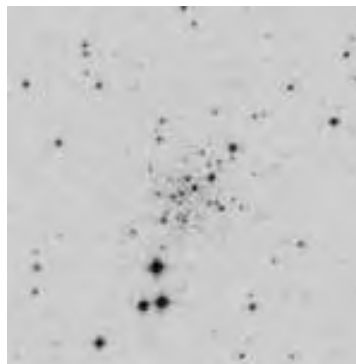
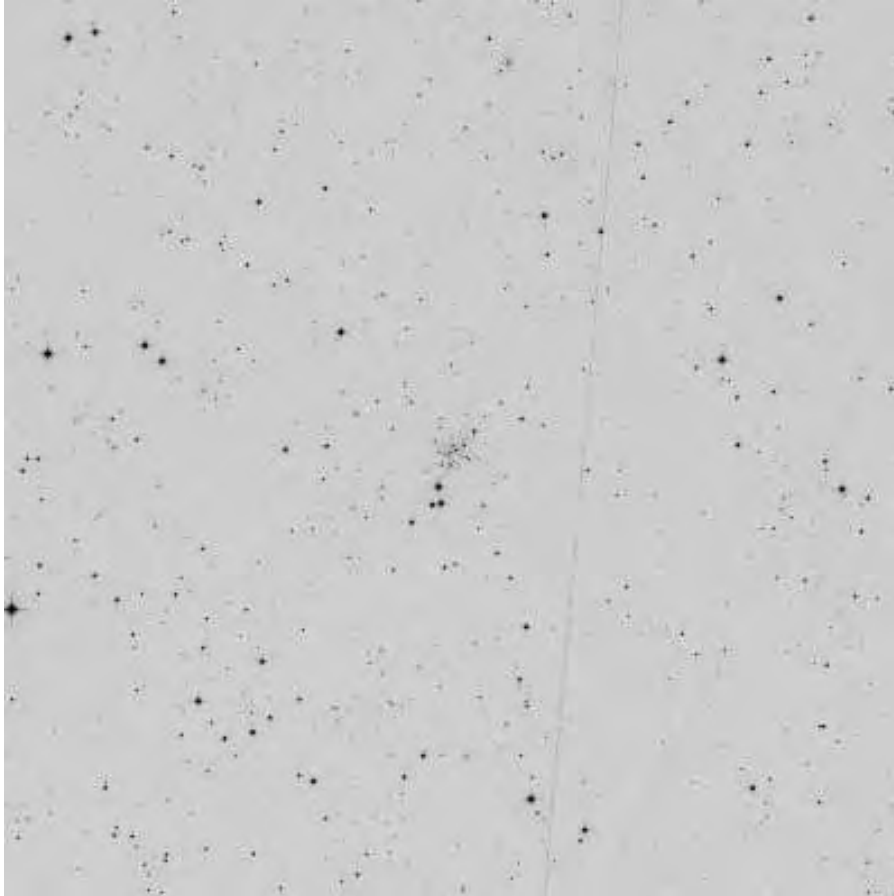
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 7089	M 2	21 33 29.3	-00 49 23	6.47	-9.02	37.5	33.9

## NGC 7099 (M 30) in Capricornus



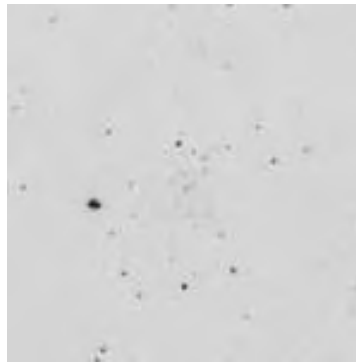
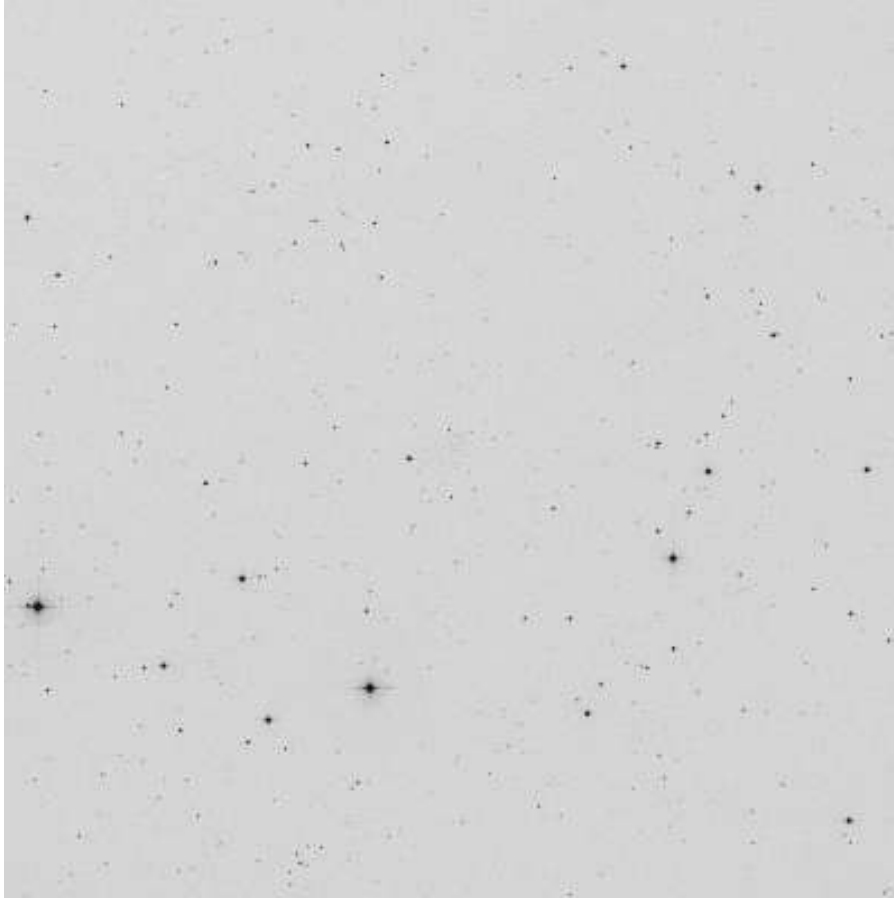
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
NGC 7099	M 30	21 40 22.0	-23 10 45	7.19	-7.43	26.1	23.1

## Palomar 12 in Capricornus



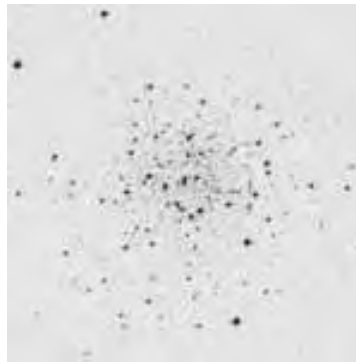
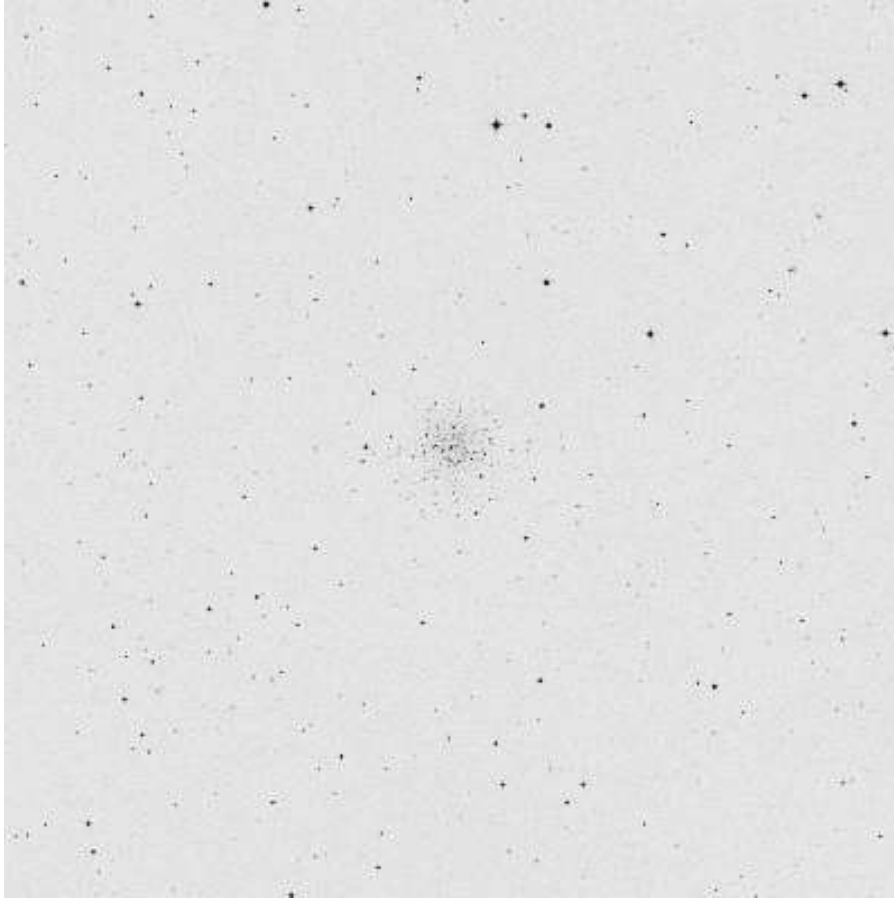
ID	Name	RA (2000)	DEC	V_t	M_Vt	R_Sun	R_gc
Palomar 12		21 46 38.8	-21 15 03	11.99	-4.48	62.3	51.8

## Palomar 13 in Pegasus



ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
Palomar 13		23 06 44.4	+12 46 19	13.47	-3.74	84.1	87

## NGC 7492 in Aquarius



ID	Name	RA (2000)	DEC	V <sub>t</sub>	M <sub>Vt</sub>	R <sub>Sun</sub>	R <sub>gc</sub>
NGC 7492		23 08 26.7	-15 36 41	11.29	-5.77	84.1	81.2