

Observe: Galaxy Groups - Clusters - Superclusters

Advanced Observing – Texas Star Party 2009

<u>Name:</u>	<u>Coordinates 2000:</u>	<u>Const.</u>	<u>Mag. Brightest</u>	<u>Notes</u>	<u>Urano 1:</u>
<input type="checkbox"/> Abell 754	09 08 53.9 – 09 38 56	Hya	14.3	<i>Two clusters merging</i>	277
<input type="checkbox"/> WBL 213, AWM 1, N2809	09 17 06.9 + 20 04 11	Cnc	12.8	<i>A chain – N2809 = cD</i>	142
<input type="checkbox"/> MKW 1, NGC3090	10 00 30.2 – 02 58 08	Sex	13.6	<i>Nice, ~10, N3090 = cD</i>	234
<input type="checkbox"/> NGC3158 Group	10 13 50.5 + 38 45 53	LMi	11.9	<i>Bright NGC Objects, Nice</i>	104
<input type="checkbox"/> Hydra 1, Abell 1060	10 36 43.1 – 27 31 35	Hya	11.6	<i>158M Lyrs, Beautiful</i>	325
<input type="checkbox"/> Shakhbazian 26	11 02 13.1 + 50 20 50	UMa	--	<i>Small 16th Mag. chain</i>	46
<input type="checkbox"/> Shakhbazian 3	11 15 53.5 + 53 45 15	UMa	--	<i>Handful of faint objects</i>	46
<input type="checkbox"/> Abell 1185 (Arp 105)	11 10 48.0 + 28 40 00	UMa	14.3	<i>Many NGC, Arp105 inside</i>	106
<input type="checkbox"/> Abell 1213	11 16 30.0 + 29 15 00	UMa	14.4	<i>Two clusters superimposed</i>	106
<input type="checkbox"/> Hick 58, WBL350, NGC3822	11 42 11.1 + 10 16 40	Vir	13.0	<i>5 galaxies, mostly spirals</i>	192
<input type="checkbox"/> The Leo Cluster, Abell 1367	11 44 30.0 + 19 50 00	Leo	13.7	<i>330 MLYrs, Very Nice</i>	147
<input type="checkbox"/> Ursa Major 1, Abell 1377	11 47 06.3 + 55 44 09	UMa	14.3	<i>Nearly a Billion LYrs</i>	47
<input type="checkbox"/> MKW 3	11 49 41.0 – 03 30 34	Vir	14.2	<i>7 CGCG Galaxies, No cD</i>	237
<input type="checkbox"/> NGC3987 Group	11 57 21.2 + 25 11 36	Leo	12.9	<i>Nice NGC Group</i>	147
<input type="checkbox"/> NGC4066 Group	12 04 09.7 + 20 20 56	Com	12.6	<i>Nice NGC Group</i>	148
<input type="checkbox"/> MKW 4, NGC4073	12 04 27.1 + 01 53 45	Vir	11.1	<i>14 Spirals, N4073 = cD</i>	238
<input type="checkbox"/> The Virgo Cluster	12 26 11.8 + 12 56 49	Vir	09.6	<i>50MLyrs, Over 2000</i>	193
<input type="checkbox"/> Centaurus Cluster, Abell 3526	12 48 49.2 – 41 18 40	Cen	11.4	<i>155MLyrs, Nice</i>	402
<input type="checkbox"/> The Coma Cluster, Abell 1656	12 59 48.0 + 27 58 00	Com	12.0	<i>300MLyrs, Over 1000</i>	149
<input type="checkbox"/> Shakhbazian 19	13 28 30.1 + 15 50 26	Com	--	<i>Small & Faint, 16+ mag.</i>	195
<input type="checkbox"/> MKW 11, N5171	13 29 21.6 + 11 44 05	Vir	12.7	<i>Infall, N5171 = cD</i>	195
<input type="checkbox"/> Hickson 65, ESO444-55	13 29 51.0 – 29 30 53	Hya	14.4	<i>5 accordant galaxies</i>	370
<input type="checkbox"/> Abell 3574, IC4329	13 49 05.3 – 30 17 45	Cen	12.2	<i>Rich Class 1 cluster</i>	371
<input type="checkbox"/> MKW 5, NGC5400	14 00 37.2 – 02 51 27	Vir	13.9	<i>N5400 dominates, 6 objects</i>	241
<input type="checkbox"/> NGC5434 Group	14 02 48.6 + 09 20 29	Boo	13.2	<i>Chain ~12 galaxies</i>	196
<input type="checkbox"/> Hickson 70	14 04 09.8 + 33 20 14	CVn	14.5	<i>7 objs, 2 overlapping groups</i>	110
<input type="checkbox"/> Shakhbazian 14	14 25 20.0 + 47 15 01	Boo	--	<i>Small & Faint, Interacting ?</i>	77
<input type="checkbox"/> WBL 514, MKW 7	14 33 59.1 + 03 46 40	Vir	15.0	<i>Poor cluster, Infall</i>	242
<input type="checkbox"/> MKW 8, N5718	14 40 42.9 + 03 27 57	Vir	13.9	<i>N5718 & IC1042 dominate</i>	243
<input type="checkbox"/> Corona Cluster, Abell 2065	15 22 27.2 + 27 42 35	CrB	16.5	<i>1.5 billion Lyrs, Faint</i>	154
<input type="checkbox"/> Abell 2124	15 44 59.1 + 36 06 34	CrB	14.5	<i>UGC10012 = cD</i>	113
<input type="checkbox"/> Abell 2147 & Arp 324	16 02 13.7 + 15 57 06	Her	14.0	<i>Herc. Supercluster, Arp324</i>	200
<input type="checkbox"/> AWM 4, N6051	16 04 56.7 + 23 55 57	Ser	14.2	<i>N6051 dominant, Poor clustr</i>	155
<input type="checkbox"/> Hercules Cluster, Abell 2151	16 05 12.0 + 17 44 00	Her	13.5	<i>500MLyrs, Many Spirals</i>	155
<input type="checkbox"/> Abell 2197	16 28 12.0 + 40 54 00	Her	13.1	<i>450MLyrs, N6160/73</i>	80
<input type="checkbox"/> Abell 2199	16 28 36.0 + 39 31 00	Her	12.8	<i>450MLyrs, N6166 = cD</i>	80
<input type="checkbox"/> Abell 2218	16 35 49.0 + 66 12 47	Dra	--	<i>2 billion Lyrs, Faint, Lens</i>	29
<input type="checkbox"/> Shakhbazian 166	16 52 47.3 + 81 37 58	UMi	15.5	<i>Chain ~ 10 galaxies</i>	11
<input type="checkbox"/> AWM 5, N6269	16 57 58.1 + 27 51 15	Her	12.2	<i>Loose group, bright & faint</i>	157
<input type="checkbox"/> HCG 88, NGC6977	20 52 29.7 – 05 44 45	Aqr	14.1	<i>4 accordant galaxies</i>	16

Good Luck – Good Hunting
Larry Mitchell – Houston, Texas

Observe ANY 20 Objects
Star-Hop Only – PLEASE NO Computers