

# ***THE TEXAS STAR PARTY*** ***2009 TELESCOPE OBSERVING CLUB***

**BY JOHN WAGONER**  
**TEXAS ASTRONOMICAL SOCIETY OF DALLAS**

## **RULES AND REGULATIONS**

Welcome to the Texas Star Party's Telescope Observing Club. The purpose of this club is not to test your observing skills by throwing the toughest objects at you that are hard to see under any conditions, but to give you an opportunity to observe 25 showcase objects under the ideal conditions of these pristine West Texas skies, thus displaying them to their best advantage. The regular observing program is “**Texas Star Party 5X5**”. This is a list of the 5 best objects in each of the five major categories that can be observed during the summer months. Also, we are bringing back last year’s “**Globular Glory**” for those of you who were not able to get them. This is a list of 25 of the best globular clusters in the night sky. We only have about 40 pins left over from last year, so pins will be given out on a first come, first served basis. So, just observe the 25 objects on the list.

That's it. Any size telescope can be used. All observations must be made at the Texas Star Party to qualify. All objects are within range of small (6”) to medium sized (10”) telescopes, and are available for observation between 9:00PM and 3:00AM any time during the TSP. Each person completing this list will receive an official Texas Star Party Telescope Observing Club lapel pin. These pins are not sold at the TSP and can only be acquired by completing the program, so wear them proudly.

To receive your pin, turn in your observations to ***John Wagoner - TSP Observing Chairman*** any time during the Texas Star Party. I will be at the outside door leading into the TSP Meeting Hall each day between 1:00 PM and 2:30 PM. If you finish the list the last night of TSP, or I am not available to give you your pin, just mail your observations to me at 1409 Sequoia Dr., Plano, Tx. 75023, and I will see that you get a pin.

Good luck and good observing. Now, let's get out there and **observe!!!**

P.S. If you would like to see some of your favorite objects on a future TSP program, or have any ideas for a new program, let me know during TSP or email me at [john@wagoner.org](mailto:john@wagoner.org)

## “Texas Star Party 5X5”

Object	Type	R.A.	Dec	Con	Size	Mag	Date	Time
NGC 2129	Op Cl	06 01.0	+23 18	Gem	7'	6.7		
NGC 2168	Op Cl	06 08.9	+24 20	Gem	28'	5.1	M35	
NGC 2266	Op Cl	06 43.2	+26 58	Gem	6'	9.5		
NGC 2392	PI Neb	07 29.2	+20 55	Gem	15"	9.2		
NGC 2548	Op Cl	08 13.8	-05 48	Hya	54'	5.8	M48	
NGC 2682	Op Cl	08 50.4	+11 49	Cnc	29'	6.9	M67	
NGC 3109	Gal	10 03.1	-26 09	Hya	16'	9.8		
NGC 3242	PI Neb	10 24.8	-18 38	Hya	16"	7.8		
NGC 3621	Gal	11 18.3	-32 49	Hya	10'	8.9		
NGC 4038	Gal	12 01.9	-18 52	Crv	5'	10.5		
NGC 4039	Gal	12 01.9	-18 53	Crv	5'	10.3		
NGC 4361	PI Neb	12 24.5	-18 48	Crv	45"	10.9		
NGC 5236	Gal	13 37.0	-29 52	Hya	16'	7.6	M83	
NGC 5904	Glob	15 18.6	+02 05	SerCp	17'	5.7	M5	
NGC 6153	PI Neb	16 31.5	-40 15	Sco	25"	10.9		
NGC 6171	Glob	16 32.5	-13 03	Oph	10'	8.1	M107	
NGC 6302	PI Neb	17 13.7	-37 06	Sco	50"	9.6		
NGC 6402	Glob	17 37.6	-03 15	Oph	12'	7.6	M14	
NGC 6514	Neb	18 02.3	-23 02	Sgr	20'	8.1	M20	
NGC 6523	Neb	18 03.8	-24 23	Sgr	45'	4.6	M8	
NGC 6611	Neb	18 18.6	-13 58	SerCd	35'	6.0	M16	
NGC 6618	Neb	18 20.8	-16 11	Sgr	20'	6.0	M17	
NGC 6681	Glob	18 42.2	-32 18	Sgr	8'	8.0	M70	
NGC 6715	Glob	18 55.1	-30 29	Sgr	9'	7.6	M54	
Barnard 111	Dk Neb	18 50.1	-04 48	Sct	15'	Op 3		

## “Globular Glory”

Object	Type	R.A.	Dec	Con	Size	Mag	Date	Time
NGC 4590	Glb	12 39.5	-26 45	Hya	12.0	7.7		
NGC 5139	Glb	13 26.8	-47 29	Cen	36.3	3.5		
NGC 5466	Glb	14 05.5	+28 32	Boo	11.0	9.0		
NGC 6205	Glb	16 41.7	+36 28	Her	16.6	5.7	M13	
NGC 6341	Glb	17 17.1	+43 08	Her	11.2	6.4	M92	
NGC 6218	Glb	16 47.2	-01 57	Oph	14.5	6.8	M12	
NGC 6254	Glb	16 57.1	-04 06	Oph	15.1	6.6	M10	
NGC 6266	Glb	17 01.2	-30 07	Oph	14.1	6.7	M62	
NGC 6273	Glb	17 02.6	-26 16	Oph	13.5	6.7	M19	
NGC 6293	Glb	17 10.2	-26 35	Oph	7.9	8.2		
NGC 6304	Glb	17 14.5	-29 28	Oph	6.8	8.4		
NGC 6333	Glb	17 19.2	-18 31	Oph	9.3	7.6	M9	
NGC 6093	Glb	16 17.0	-22 59	Sco	8.9	7.3	M80	
NGC 6121	Glb	16 23.6	-26 32	Sco	26.3	5.8	M4	
NGC 6139	Glb	16 27.7	-38 51	Sco	5.5	8.9		
NGC 6388	Glb	17 36.3	-44 44	Sco	8.7	6.7		
NGC 6441	Glb	17 50.2	-37 03	Sco	7.8	7.2		
NGC 6541	Glb	18 08.0	-43 42	CrA	13.1	6.1		
NGC 6553	Glb	18 09.3	-25 54	Sgr	8.1	8.1		
NGC 6624	Glb	18 23.7	-30 22	Sgr	5.9	8.0		
NGC 6626	Glb	18 24.5	-24 52	Sgr	11.2	6.8	M28	
NGC 6637	Glb	18 31.4	-32 21	Sgr	7.1	7.6	M69	
NGC 6656	Glb	18 36.4	-23 54	Sgr	24.0	5.1	M22	
NGC 6723	Glb	18 59.6	-36 38	Sgr	11.0	7.2		
NGC 6809	Glb	19 40.0	-30 58	Sgr	19.0	6.4	M55	