

THE TEXAS STAR PARTY ***2014 TELESCOPE OBSERVING CLUB***

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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 “**Zombies**”. These are peculiar (read Arp) objects or dead objects like supernova remnants (yep, those pesky planetaries are back). You need to observe **25 objects** of the 31 available to get your pin, but if you are using a smaller scope and have a little trouble with some of the objects, just mark it as “tried” and move on, and you will get credit for the object. We are also bringing back “**I Have No Idea Where I Am**” from last year. This is a list of 29 objects. Only **25 objects** need be observed.

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. except Saturday (10:00-11:30 AM). 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

For those of you who missed previous TSP's, pins for the following programs are still available:
2012 – 2012 - 2011 – Lions and Tigers and Bears, Oh My! - 2010 – About Face. --- 2009 – Texas Star Party 5X5 --- 2007 - Be A Sap (Shapley-Ames Person)
2006 – Eye in the Sky --- 2004 – Starlight, Starbright
2003 - The Great Celestial A.R.C.” (Asterisms, Radio sources, & Clusters)

You can download these observing programs from the TSP website: www.texasstarparty.org.

ZOMBIES

Object	Type	R.A.	Dec	Con	Size	Mag	Date	Time
NGC 3031	Glxy	09 56	+69 04	UMa	24.0	6.9	M81	
NGC 3034	Glxy	09 56	+69 41	UMa	12.0	8.4	M82	
NGC 3242	PlNeb	10 25	-18 38	Hya	16 sec	7.8		
NGC 3587	PlNeb	11 15	+55 01	UMa	194 sec	9.9	M97	
NGC 3623	Glxy	11 19	+13 05	Leo	8.7	9.3	M65	
NGC 3627	Glxy	11 20	+12 59	Leo	8.2	8.9	M66	
NGC 3628	Glxy	11 20	+13 36	Leo	14.0	9.5		
NGC 4038	Glxy	12 02	-18 52	Crv	5.4	10.5		
NGC 4039	Glxy	12 02	-18 53	Crv	5.4	10.3		
NGC 4361	PlNeb	12 25	-18 48	Crv	45 sec	10.9		
NGC 4438	Glxy	12 28	+13 01	Vir	8.9	10.2		
NGC 4490	Glxy	12 31	+41 38	CVn	6.4	9.8		
NGC 4569	Glxy	12 37	+13 10	Vir	10.5	9.5	M90	
NGC 4631	Glxy	12 42	+32 32	CVn	15.5	9.2		
NGC 4649	Glxy	12 44	+11 33	Vir	7.1	8.8	M60	
NGC 5128	Glxy	13 26	-43 01	Cen	31.0	6.7		
NGC 5194	Glxy	13 30	+47 12	CVn	8.2	8.4	M51	
NGC 5195	Glxy	13 30	+47 16	CVn	6.4	9.6		
NGC 5457	Glxy	14 03	+54 21	UMa	26.0	7.9	M101	
NGC 5566	Glxy	14 20	+03 56	Vir	5.7	10.6		
NGC 6543	PlNeb	17 59	+66 38	Dra	350 sec	8.1		
NGC 6572	PlNeb	18 12	+06 51	Oph	8 sec	8.1		
NGC 6720	PlNeb	18 54	+33 02	Lyr	71 sec	8.8	M57	
NGC 6818	PlNeb	19 44	-14 09	Sgr	17 sec	9.3		
NGC 6826	PlNeb	19 45	+50 31	Cyg	25 sec	8.8		
NGC 6853	PlNeb	19 59	+22 43	Vul	348 sec	7.3	M27	
NGC 6891	PlNeb	20 15	+12 42	Del	14 sec	10.5		
NGC 7009	PlNeb	21 04	-11 22	Aqr	25 sec	8.3		
NGC 7026	PlNeb	21 06	+47 51	Cyg	21 sec	10.9		
NGC 7027	PlNeb	21 07	+42 14	Cyg	15 sec	8.4		
NGC 7293	PlNeb	22 30	-20 48	Aqr	769 sec	7.3		