# THE TEXAS STAR PARTY 2016 TELESCOPE OBSERVING CLUB

#### BY TED SAKER

#### COLUMBUS ASTRONOICAL SOCIETY

### **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 20 showcase objects under the ideal conditions of these pristine West Texas skies, thus displaying them to their best advantage. The regular observing program is "Spiralmania", 22 of Ted Saker's favorite spiral galaxies. All you need to do is observe 20 of the 22 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 "In Living Color" from 2015. This is a list of 30 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 5:00AM 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 <a href="john@wagoner.org">john@wagoner.org</a>

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 and others from the TSP website: www.texasstarparty.org.

Pins for other programs may be available. Be sure to ask me so that I can verify it for you.

## 'SPIRALMANIA'

Object	Туре	R.A.	Dec	Con	Size	Mag	Date	Time
IC 342	Gal	03 47	+68 06	Cam	20'	9.6		
NGC 2403	Gal	07 37	+65 36	Cam	20'X10'	8.8		
NGC 2683	Gal	08 53	+33 25	Lyn	9X3	10.0		
NGC 2841	Gal	09 22	+50 59	UMa	8X4	10.0		
M 81	Gal	09 56	+69 04	UMa	22X11	7.8		
NGC 3521	Gal	11 06	-00 03	Leo	10X5	9.9		
M 66	Gal	11 20	+13 00	Leo	9x4	9.7		
NGC 3628	Gal	11 20	+13 35	Leo	12X3	10.0		
M 106	Gal	12 19	+47 18	CVn	17x6	9,1		
M 100	Gal	12 22	+15 49	Com	8x7	10.0		
NGC 4490	Gal	12 31	+41 39	CVn	6X2	9.8		
M 104	Gal	12 40	-11 37	Vir	9X6	9.1		
NGC 4631	Gal	12 42	+32 33	CVn	13X2	9.5		
NGC 4656	Gal	12 44	+32 10	CVn	9X1	9.7		
NGC 4725	Gal	12 50	+25 30	Com	10X7	9.9		
M 94	Gal	12 51	+41 07	CVn	10X9	8.7		
M 64	Gal	12 57	+21 41	Com	10X5	9.3		
M 63	Gal	13 16	+42 02	CVn	12X7	9.7		
M 51	Gal	13 30	+47 12	CVn	10X8	8.7		
M 83	Gal	13 37	-29 52	Нуа	14X13	7.8		
M 101	Gal	14 03	+54 21	UMa	22X21	8.4		
NGC 6946	Gal	20 35	+60 09	Cyg	11X10	9.8		