

## OBSERVING SESSION

Date(s): 7/15 - 4/20/12

Location 103° 57' W 30° 36' N TSP - Ft. Davis, TEXAS		Time UT ___ Other <u>CDT</u>		Equipment	
Event	Group	Begin:	<u>19:00</u> Lm	End:	<u>04:50</u> Am
Moon Phase/Altitude <u>LAST Q</u>	Seeing/Transparency <u>7/4</u>	Limiting Mag/Comments <u>4</u>	% Cloud Cover <u>0</u>	Approx Temp. <u>75V 24</u>	
Notes					

## PLAN TSP TELESCOPE NETWORKS LIST

4 CLEAR, STEADY, BEAUTIFUL NIGHTS, A TSP FOR THE AGES

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
VENUS		2000 30mm	OBSERVED THE PHASE OF VENUS, CLEARLY VISIBLE AS APPROX 1/2 DISC 1/4 OF PLANET	
NGC 4654	SAC VEL	2205 17mm	MAG 10 SPACELY, 2 NEAR STARS	
NGC 4639	SAC VEL	2225 17mm		
M 90 NGC 4569	SAC VEL	2235 17mm		
M 82	SAC UMA	2330 17mm	THE CIGAR	✓
M 88	SAC VEL	2355 17mm	NGC <del>4579</del> 4579	
NGC 4621	SAC VEL	0030 17mm	M 89	
NGC 5139	GLB GEN	0115 17mm	OMEGA CENTAURI	
M 65, M 66 NGC 3593	GLB LEB	0145 16mm	LEO TRINLET	✓
M 75	SAC CEO	0225 8mm	SEEING WENT SOFT	
M 58	SAC COM	0300 5mm	3 RING GALAXY	

Date(s): 7/16 0330

OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
M99	Gal	0330		
	CCM	8m		
M100	Gal	0330		
	CCM	17m		
NGC 4312	Gal	0335		
	CCM	7m		
NGC 4419	Gal	0340	WISTONE	
	CCM	17mm		
NGC 4457	Gal	0345		
	CCM	17mm		
M57	Gal	0340	"THE EYE"	/
	CCM	8mm		
M8	CCM	0430	"THE LADDER"	
	CCM	17mm	M III F2 12X - ORIENTATION	
NGC 6544	Gal	0435	FOUND BY HARRIS NOT NGC M8	
	CCM	17mm		
M17	Gal	0445	"THE SWAN"	
	CCM	17mm		
M0	CCM	0450	CLUSTER OF STARS IN CLUSTERS, C III	
	CCM	17mm	FIELD OF VIEW CHANGES, ET TO A N 30.7	

FIELD DRAWINGS & NOTES

	Object: _____	Time: _____
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	Object: _____	Time: _____
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# OBSERVING SESSION

Date(s): 4/16

Location		Time UT _____ Other: <u>CDT</u>		Equipment	
Event	Group	Begin: <u>04:50</u> <u>4</u> m		End: <u>06:00</u> <u>4</u> m	
Moon Phase/Altitude	Seeing/Transparency	Limiting Mag/Comments	% Cloud Cover	Approx Temp. <u>24</u>	
Notes					

## PLAN

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
M20	OC	0450		
	SAG	17m	CITL STARS LOTS OF NEARBY STARS	
M51	Sat	0510	BRIGHT CORE WELL VISIBLY SEEN. RINGS	
	CVN	17m	W/ BLUDGE TO INTERESTING GALAXY	
M1	NB	2108	LOW ON HORIZON. PARTLY OBLISHED	
	TAV	17m	CUT BY HEAD BY VENUS	
NGC 2174	NB	2108	NOT DISTINCT	
	OK	17m		
NGC 2237	NB	2110	LARGE BUT NOT DISTINCT. CTR NOT	
	MOB	17m	W/ HOOKED BUT PROBABLY DUE TO SKY CONDITIONS	
NGC 2264	NB	2222	TOO DIM FOR SKETCH. CTR NOT	
	MIN	17m		
NGC 2282	NB	2235		
	MIN	17m		
IC 444	NB	2134	PRETTY FAINT	
	COM	17m		
M46			see <del>map</del> p. 57	

4/16  
2108

## OBSERVING SESSION

Date(s): 4/16 - 4/20

Location FT. DAVIS, TX		Time UT ___ Other ___		Equipment	
Event TSP	Group	Begin: 21:00 Lm End: 01:45 Lm			
Moon Phase/Altitude LAST Q	Seeing/Transparency 3/4	Limiting Mag/Comments 6	% Cloud Cover 0%	Approx Temp. 60N 45	
Notes					

PLAN SKY SAMPLE OBSERVING LIST TSP 2012

## OBJECTS OBSERVED

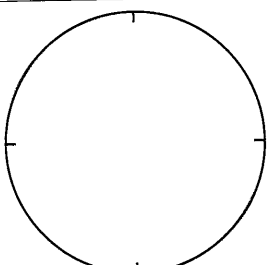
Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
3D BICLA	COMET	2108	SEARCHED FOR THIS COMET	
	TAN	NA	WE THOUGHT SUCCESS. TOO DIMINA STRUT W/ SKY	
M1	Nb	2115	"THE CLAB" SOMEWHAT WASHED OUT BY	
	TAN	17mm	VERY BRIGHT LENS NOT M44	
	Nb	2120		
NGC 2174	OR	17mm		
	Nb	2125	LARGE NOT TOO DISTINCT, OTH	
NGC 2237	MCW	17mm	CLUMPT HELD ON THIS ONE	
	Nb	2134		
IC 444	RES	17mm		
	PLANETARY	1857	2d NIGHT SKY FIXTURE IN MY	
VENUS	TAN	26mm	TELESCOPE	
	OC	2260	Then open Observer has an associated	
M46	DUP	17, 128	PLANETARY NEBULA THAT LOOKS LIKE THE ONE	
			8mm & OTH really brought it out	
	OC	2259	LOOKS LIKE THE STAR FLEET BARGE	
M38	AVR	17mm	TO ME, NOT A STAR FLEET	
	GAL	2310	MINIHELIX GALAXY	
M36	AVR	17mm		
	OC	2311		
M50	MCW			

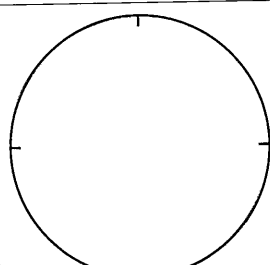
Date(s): 4/16 2218

OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
NGC 2232	CC	2218		
	Med	17mm		
NGC 2264	CC	2317		
	Med	17mm		
M 79	Gal	2136		
	CCP	17mm		
417 M 47	CC	2147	Focus toward stars	
	Gal	17mm	also 26mm nose	
417 NGC 2542	<del>Med</del> 57mm	2141		
	Gal	17mm		
719 NGC 2562	CC	2231		
	OMA	17mm		
4119 NGC 2451	CC	2141		
	Gal	17mm		
417 M 41	CC	2221	Area 79	
	Gal	17mm	note in focus of 26mm	
4116 M 83	Gal	2348		
	HYA	17m		
4116 M 104	Gal	2352	SKETCHED	✓
	VIR	17m		

FIELD DRAWINGS & NOTES

	Object: _____ Time: _____
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	Object: _____ Time: _____
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# OBSERVING SESSION

Date(s): 4/15/12 - 4/20/12

Location FT. DAVES, TX		Time UT ___ Other <u>CDT</u>	Equipment	
Event <u>TSP</u>	Group	Begin: <u>21</u> : <u>00</u> _m	End: ___:___ _m	
Moon Phase/Altitude <u>LAST Q</u>	Seeing/Transparency	Limiting Mag/Comments	% Cloud Cover	Approx Temp.
Notes				

## PLAN

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
4/17 M67	OC CAN	2209 17mm	BEAUTIFUL DENSE CLUSTER	
4/17 M68	GLB HYA	2354 17mm		
4/18 NGC 3242	PND HYA	0127 17mm		
4/19 NGC 3132	PND VEL	2149 17mm		
4/19 NGC 2440	PND VEL	2157 17mm		
4/19 NGC 4697	GAL VEL	2145 17mm		
4/19 NGC 4697	GAL VEL	2254 17mm		
4/19 NGC 3115	GAL SEX	2329 8mm	TRANS 3 ONE OF MULTIPLE EDGE ON GALAXIES SPINDLE	✓
4/19 NGC 3621	GAL HYA	2337 17mm		
4/19 NGC 3923	GAL HYA	2340 17mm		
4/19 NGC 3585	GAL HYA	2342 17mm		

Date(s): 4/14 - ~~30~~<sup>20</sup> / 2012 TSP OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
4/14 NGC 5856	SNGX Goo	2345 17mm	BIG DETAIL. WHY IS THERE ON THE TSP OBSERVING LIST?	
4/14 M 53	GLB CEM	2349 17mm		
4/14 M 3	GLB CIN	2352 17mm		
4/16 M 92	GLB HER	2330 17mm		
4/14 M 5	GLB SFA	2356 17mm		
4/16 M 13	GLB HER	2330 17mm		
4/18 M 101	BAL VMA	0145 17mm		
4/20 M 51	GAC CIN	0100 17mm	TOO HIGH TO SKETCH	
4/20 M 49	GAC VTR	0110 17mm		
4/18 M 61	GAC VTR	0151 17mm		

FIELD DRAWINGS & NOTES

	Object: _____	Time: _____
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	Object: _____	Time: _____
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## OBSERVING SESSION

Date(s):

4/18/12

Location FT. DAVIS, TX		Time UT ___ Other <u>2130</u>		Equipment	
Event TSP	Group	Begin: ___:___:___m End: ___:___:___m			
Moon Phase/Altitude LAST Q	Seeing/Transparency 3/6	Limiting Mag/Comments	% Cloud Cover 0%	Approx Temp. 57° ↓	
Notes					

## PLAN

## OBJECTS OBSERVED

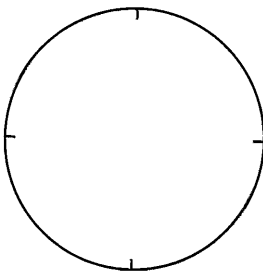
Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
4/18 SATURN			10mm GOOD 10mm X2 POOR	
4/18 M105	GAL	0115 17mm		
4/20 M96	GAL	0121 17mm		
4/20 M66	GAL	0121 17mm		
4/20 NGC 3593	GAL	0126 17mm		
4/20 NGC 3810	GAL	0132 17mm		
4/20 NGC 3705	GAL	0135 17mm		
4/20 NGC 3607	GAL	0139 17mm		
4/20 NGC 3646	GAL	0141 17mm		
4/20 M90	GAL	0146 VIR 17mm		
4/20 M58	GAL	0146 VIR 17mm		

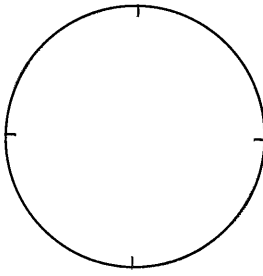


Date(s): 4/15 - 4/20 2012 TSP OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
4/20 M100	GAL COM	0148 17mm		
4/18 M99	GAL COM	0133 17mm	COMA PHENOMENON	
4/20 M98	GAL COM	0155 17mm		
4/20 M88	GAL COM	0200 17mm		
4/17 M84	GAL VIR	2341 17mm	MARKKATIA'S CHAIN	
4/20 M102	GAL DRA	0205 17mm		
4/20 NGC 6543	PNB DRA	0209 17mm	DEFINITE BLUE COLOR CAT CYE NDB 50x20x16mm	
4/20 NGC 6229	GLB HER	0218 17mm		
4/19 M44	OC CNC	2205 17mm	BEEHIVE	
4/19 NGC 2392	PNB GEN	2202		

FIELD DRAWINGS & NOTES

	Object: _____	Time: _____
	_____	_____
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	_____	_____
	_____	_____

	Object: _____	Time: _____
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## OBSERVING SESSION

Date(s): 4/15 - 4/20, 2012

Location E. DALLAS, TX		Time UT ___ Other ___		Equipment	
Event TSP	Group	Begin: ___:___:___m		End: ___:___:___m	
Moon Phase/Altitude	Seeing/Transparency	Limiting Mag/Comments	% Cloud Cover	Approx Temp.	
Notes					

## PLAN

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
4/20 NGC 5876	GAL VTA	0221 17mm		
4/18 M110	GLB CPA	0231 17mm		
4/18 M12	GLB CPA	0333 17mm		
4/18 M107	GLB CPA	0337 17mm		
4/18 M56	GLB LYR	0350 17mm		
4/20 NGC 2623	GAL LYN	0225 17mm		
4/20 NGC 5634	GLB VTA	0227 17mm		
4/18 M27	PN's VCL	0245 17mm		
4/20 NGC 6946	GAL CYG	0231 17mm	FIREWORKS GALAXY	
4/20 NGC 6826	PN's CYG	0240 17mm	BLINKING PLANETARY	
4/20 NGC 2841	GAL UMA	0246 17mm		

