



# OBSERVING SESSION

Date(s): 5/10/10

Location <u>TSP</u> <u>103°57'N 30°36'N</u>		Time UT _____ Other <u>CDT</u> Begin: <u>9:30</u> P.m. End: <u>05:00</u> A.m.	Equipment <u>Obs 18 CLAS</u> <u>FILTER SLIDE</u> <u>T-1+2</u>
Event <u>TSP</u>	Group		
Moon Phase/Altitude <u>LAST 1/4</u>	Seeing/Transparency <u>4+5</u>	Limiting Mag/Comments <u>7-66+NOVA</u>	% Cloud Cover <u>0</u> Approx Temp. <u>66-45</u>
Notes			

PLAN TARGETS OF OPPORTUNITY ✓

1 SKETCH ✓

## OBJECTS OBSERVED

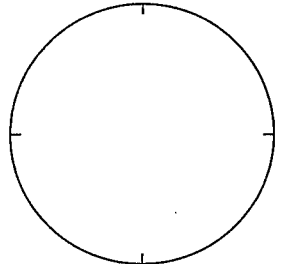
Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
<u>SATURN</u>	<u>PLN</u>	<u>2200</u>		
		<u>3x4</u>	<u>CLEAR RING, SADDLE + SPINDLES -</u>	
<u>RING GAL.</u>	<u>PLN</u>	<u>2210</u>	<u>PAIR OF COLLIDING GALAXIES</u>	
<u>NGC 4038</u>	<u>CLW</u>	<u>8</u>	<u>FAIRLY FAINT BUT NOT FULLY DARK</u>	
<u>NGC 3190</u>	<u>GAL</u>	<u>2220</u>		
<u>LEO TR20</u>	<u>LEO</u>	<u>26</u>	<u>VERY FAINT</u>	
<u>NGC 3351</u>	<u>GAL</u>	<u>2230</u>		
<u>M 95</u>	<u>LEO</u>	<u>14</u>		
<u>NGC 3308</u>	<u>GAL</u>	<u>2240</u>		
<u>M 96</u>	<u>LEO</u>	<u>14</u>		
<u>NGC 3379</u>	<u>GAL</u>	<u>2240</u>	<u>PART OF A TRIANGLE w/ NGC 3384 +</u>	
<u>M 105</u>	<u>LEO</u>	<u>14</u>	<u>NGC 3389 (= NGC 337)</u>	
	<u>GAL</u>	<u>2240</u>		
<u>NGC 3384</u>	<u>LEO</u>	<u>14</u>		
	<u>GAL</u>	<u>2240</u>		
<u>NGC 3389</u>	<u>LEO</u>	<u>14</u>		
<u>NGC 3623</u>	<u>GAL</u>	<u>2355</u>	<u>BRIGHT CENTRAL CORE WITH TWO EDGE ON HORN SHAPE</u>	
<u>M 65</u>	<u>LEO</u>	<u>14</u>	<u>VERY BRIGHT + DISTANT</u>	
	<u>CLW</u>	<u>2300</u>	<u>BRIGHT CENTRAL CORE - LONGER HORN ON TOP</u>	
<u>M 66</u>	<u>LEO</u>	<u>14</u>		
	<u>GAL</u>	<u>2310</u>		
<u>NGC 3628</u>	<u>LEO</u>	<u>14</u>	<u>VERY FAINT</u>	

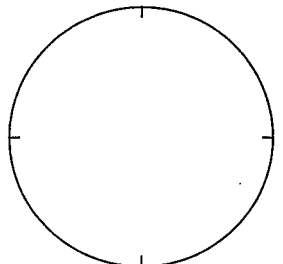
Date(s):

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
NGC 4361	FLN	232		
	CON	14		
* CEN "A"	SAL	0004		
NGC 5128	PEN	32x2	BROADBAND BRIGHT CUT DARK <del>STAR</del> PLANE	V920
	OC	0200		
M6	GRP	12"		
	DNS	0300		
M8	SEP	12	LARGE FILLS @, OTL REAM DENIES DUST LANTERN	INFO ON PAST
	GRP	0300	EASIER	
NGC 6942	GRP	26	VELL W/ OTL STUNNING	
	DNA	0310	WESTERN	
NGC 6960	GRP	26	VELL	
	GRP	1530		
NGC 5982	DC4	26		
EAGLE	DNA	0300		
M16	SAG	26	1/2 III - VERY NICE	
	GRP	0315		
M17	SAG	23		
	GC	0400		
M2	SAG	0326	VELL COLLECTORS	

## FIELD DRAWINGS &amp; NOTES

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

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

## OBSERVING SESSION

Date(s): 05/11/10

Location PRUDE LANCHA FT. DAVIS, TX - TSP		Time UT _____ Other <u>CDT</u> Begin: <u>10:00</u> pm End: <u>07:30</u> am	Equipment T-142	
Event TSP	Group			
Moon Phase/Altitude LAST 1/4	Seeing/Transparency 17	Limiting Mag/Comments 6+ NEWM	% Cloud Cover 0%	Approx Temp. 70-
Notes				

PLAN CORVUS, CRATER, LUPUS, CENTAURUS,  
SCORPIUS(S), SAGITTARIUS(S) - SKETCH A GALAXY  
& A NEBULA

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
NGC 3887	GAL	2230	CRATER IS SPARSE FOR OBJECTS OFF MW SO MOSTLY GALAXIES VERY DIM - BRIGHTEST IN CRATER	
	CRAT	8		
NGC 4038 <sup>94</sup> 4039 "RAKETA"	GAL	2350	COLLIDING GALAXIES 10.5 + 10.5	p. 24
	CON	14		
NGC 4561	PNB	2340	13m PLAINSTAR 4 <sup>th</sup> of CONSPICUOUS CENTRAL STAR, LARGER THAN FT CLARKE	
	CON	14		
Ω CENTRALE	GB	2345	WHY? BECAUSE I CAN @ THE LAT.	
NGC 5139	CON	261	BOY, IT'S BIG & BRIGHT	
BARWAD 229	PNB	2359	VERY LARGE DARK NEBULA, VERY CONDENSED & VERY LONG, SIZED IN 2 TO DETECT M80	
	LUP	410		
M4	GC	0040		
	SCOR	26E		
M6	GC	0100		
	SCOR	26E		
NGC 4539	SAC	0110	3 PROMINENT STARS of GALAXY STROKE TRAILING THEM	
	DM	12		
M17/ THE SWAN	DM	0230		
	SAG	12		

## OBSERVING SESSION

Date(s): 5/12/10

Location <i>FR. DAVIS, TX</i> <i>103° 57' W 30° 30' N</i>		Time UT ___ Other <i>CDT</i>	Equipment <i>T102</i>	
Event <i>TSP</i>	Group	Begin: <i>22:10</i> m	End: <i>04:00</i> m	
Moon Phase/Altitude	Seeing/Transparency	Limiting Mag/Comments	% Cloud Cover	Approx Temp.
Notes				

PLAN SKETCH M104 IN VZL 15; "DRAWING W/ GALAXIES" L. JARRE  
 Astronomy Feb. 2010, p. 38; "COLLIDING GALAXIES, A. GOLDSTEIN  
 Astronomy Nov. 2009, p. 56"

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
M104	Gal	2340	BRIGHT, PROMINENT CENTRAL CORE	✓ p26
"THE SCORBLERO"	VZL	8	EDGE ON SPIRAL W/ DISTINCT DISTANCE	
DARKENING	Gal	2340	EDGE ON SPIRAL W/ COMPLEX ELEMENTS	
NGC 3226+3227	Leo	12	NEAREST IS LARGE	
	Gal	2347		
NGC 3797+3900	Leo	12	DIM BUT CAN SEE TILTED FACE OF LARGER OF THE PAIR	
	Gal	2359		
NGC 3921+96	Ursa	10	TWO SPIRALS	
	Gal	0010		
NGC 4503	Ursa	10	SPIRAL W/ POSITIVE COMPANION I WASN'T ABLE TO RESOLVE	
COLLIDING GALAXIES	Gal	0040		
NGC 4618+4619	CVN	12	SPIRAL W/ INDISTINCT COMPANION	
NGC 5195+	Gal	0110		
M51	CVN	12	THE WHIRLPOOL & COLLIDING COMPANION	
NGC 3226	Gal	0130		
+3227	Leo	12	COLLIDING PAIR	
	CVS	DNB		
M20	SAG	26	OTT "THE TRIFID"	
	CVS	DNB		
M8	SCP	26	OTT "THE LAGOON"	
	CVS	DNB		
M17	SAG	26	OTT "THE SWAN"	✓ p28



## OBSERVING SESSION

Date(s): 5/13/10

Location Ft. DAVIS, TX 103° 57' W 30° 36' N		Time UT ___ Other <u>CDT</u> Begin: <u>22:10</u> m End: <u>24:00</u> m	Equipment T-142	
Event TSP	Group			
Moon Phase/Altitude NEW	Seeing/Transparency 4/5	Limiting Mag/Comments	% Cloud Cover 59% - 90%	Approx Temp. 70° -
Notes 930 - 10@270				

PLAN TARGETS OF OPPORTUNITY DEPENDING ON WEATHER  
SICKLEHOLE SURVEYING  
TOO WET TO SKETCH

## OBJECTS OBSERVED

Object Catalog # / Name	Type / Const.	Time / Oculars	Description / Activity	Ref / Sketch
M 68	GD	2215		
	GD	14		
SATURN		2238		
		8		
M 104	GAL	2240		
		26		
M 83	OC	2250		
	HYD	10		
M 60	GAL	2300		
	VIR	10		
M 59	GAL	2300		
	VIR	10		
M 58	GAL	2300		
	VIR	10		

