* (24)

TRANSIT OBSERVATIONS

PLANET Jupiter OBSERVER Paul V. Mackal

YEAR 1966 - 67 TELESCOPE 6" reflr.

LOCATION Mequon, Wisc.

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
1	Oct. 6	10:12	p. [redacted] on (FA)	STB		210°.3 ✓	
2	"	10:19	c. " (FA)	STB		214°.5 ✓	
3	"	10:22	f.e. W. oval	NEBs ✓	131°.1 ✓		
4	"	10:25	p.e. "	" ✓	133°.0 ✓		
5	"	10:26	f. [redacted] on (FA)	STB		218°.7 ✓	
6	Dec. 12	3:55	p.e Festoon base	NEBs ✓	36°.6 ✓		
7	"	4:10	p.e. "	" ✓	45°.7 ✓		
8	"	5:06	p. RS	STRZ ✓		15°.4 ✓	
9	"	5:20	c. RS	STRZ ✓		23°.9 ✓	
10	Jan. 22	3:57	p. RS	STRZ ✓		20°.2 ✓	
11	Feb. 8	2:05	f. [redacted] (OVAL)	STB ✓		348°.9 ✓	
12	March 10	3:20	p. [redacted] on [redacted] (BC)	STB ✓		223°.1 ✓	
13	April 2	1:15	p. (DE)	STB ✓		1°.8 ✓	
14	"	1:25	c. (DE)	STB ✓		7°.9 ✓	
15	"	1:32	p. RS	STRZ ✓		12°.1 ✓	
16	April 8	1:47	p. [redacted] on [redacted] (BC)	STB ✓		202°.1 ✓	
17	"	2:17	p.e. STrZ Dist.	STRZ ✓		220°.2 ✓	small fes-+ toon
18	April 20	1:29	c Festoon Base	NEBs ✓	160°.1 ✓		
19	"	1:30	c [redacted] "	NEBn ✓		193°.2 ✓	
20	"	1:42	p. [redacted] on [redacted] (BC)	STB ✓		200°.4 ✓	
21	"	1:53	c. [redacted] on [redacted] (BC)	STB ✓		207°.1 ✓	
22	"	1:57	p.e. STrZ Dist.	STRZ ✓		209°.5 ✓	large fes-+ toon
23	"	2:05	STrZ. Dist.	STRZ ✓		214°.3 ✓	small fes-+ toon
24	✓ "	2:07	f. (BC) on [redacted]	STB ✓		215°.6 ✓	

+ possibly same feature.

STANLEY M. SHIRLEY
2437 ALLISON AVE
INDIANAPOLIS, IND. 46224

(1153)

CENTRAL MERIDIAN TRANSIT RECORDS

SERIAL NO.	DESCRIPTION OF FEATURE	U.T. OF TRANSIT	λ_1	λ_2
	19 November 1966. 8^h28^m, +19°29'; -1.9. +29°/+34°; S = 3; partly cloudy; 259X.			
1	Wc wh oval FA in STBs and STZ	6^h05^m	---	193°
	4 December 1966. 8^h27^m, +19°36'; -2.0. +13°/+20°; S = 4; 259X.			
2	Dc proj NEBs	4^h28^m ▽	233° ▽	---
3	Dc proj NEBs	5 10 ▽	258 ▽	---
	25 December 1966. 8^h20^m, +20°01'; -2.1. +20°/+22°; S = 4; 370X.			
4	Wc wh spot NEBn or NTropZ	4^h01^m	---	131°
5	Dc spot SEBs	4 10	---	137
6	Dc spot SEBs	4 26	---	146
7	Wp L wh oval EZn and bay NEBs	4 35	315°	---
8	Wp wh oval FA in STBs and STZ	4 53.5	---	163
9	Wc L wh oval EZn and bay NEBs	4 55	327	---
10	Wc wh oval FA in STBs and STZ	5 03.5	---	169
11	Wf wh oval FA in STBs and STZ	5 13.5	---	175
12	Dc dk col across L wh oval EZn and bay	5 15	340	---
	26 December 1966. 8^h20^m, +20°03'; -2.1. +16°/+19°; S = 4, but with a troublesome high altitude layer of turbulence 7 miles distant; 370X (when Z<30° 596X occasionally). Very well positioned for observing after midnight.			
13	Wc consp. wh spot NEBs	4^h36^m	114°	---
14	Wc wh spot NEBn	4 50	---	311°
15	Wc gap S comp SEB	4 50	---	311
16	Dc proj NEBs	4 54	125	---
17	Wc gap betw two proj NEBs	5 01	129	---
18	Dc proj NEBs	5 09	134	---
19	Wc wh rectangle betw two proj NEBs	5 22	142	---
20	Wc indef gap S comp SEB	5 28	---	334
21	Dp v dk elong cond NEBs	5 32	148	---
22	Df v dk elong cond NEBs	5 46	156	---
23	Dc F dk spot on or near NTBn	5 50	---	348
24	Dp v dk gr elong cond NEBs	6 22	178	---
25	RSp	6 36	---	15
26	RSc (darkness 6)	6 49	---	23
27	RSf indef	7 10	---	36
28	Wc v consp wh spot Nf RS	7 15	---	39

The RS was a yellow orange except for a narrow zone adjoining the inside of its *N*, *p*, and *f* boundaries, which zone was nearly white. The planet itself was nearly white or perhaps slightly yellow. The north component of the NEB was yellow brown, perhaps slightly orange.

J.I and J.II ☌ $5^h17^m30^s$ U.T. *f* Jupiter. $\Delta\delta = \pm 01''$.

1966-67 (12)

TRANSIT OBSERVATIONS

PLANET Jupiter

YEAR '66 - '67

OBSERVER William Feierseisen

TELESCOPE 4.5" refractor

LOCATION

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
1	12-31-66	4:30	C. Bay	S. edge NEBs	180	~~331~~	Northern most point
2	12-31-66	4:42	C. Proj	S edge NEBs	188	~~338~~	southern most point
3	1-29-67	1:44	C. D. proj.	NEBs	342	~~272~~	
4	3-18-67	2:20	C. Bay	NEBs	182	~~99~~	
5	3-18-67	2:32	C. D proj.	NEBs	190	~~106~~	
6	3-18-67	2:37	C. Light cond.	NEBn	~~193~~	109	
7	3-18-67	2:44	F. D proj.	NEBs	197	~~113~~	
8	3-18-67	2:51	C D. cond	NEBn	~~201~~	117	
9	3-18-67	2:52	C Wisp	EZ	202	~~118~~	
10	3-18-67	3:02	C Light Oval (FA)	STB	~~208~~	124	
11	4-19-67	2:41	F. Light Bay	NEBs	93	~~122~~	
12	4-19-67	2:48	C. D. proj	NEBs	97	~~126~~	

TRANSIT OBSERVATIONS

(22)

PLANET Jupiter

YEAR 1967

OBSERVER Bob Hicks

TELESCOPE 10" refractor

LOCATION Quito, Ecuador

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
1	Feb. 19, '67	3:15	Wf br vL hump	EBN	115.3	~~245.0~~	
2	"	3:35	Wp sm wh elong oval	S-SEBn	[redacted]	257.1	poor Timing
3	"	3:40	Wp vL wh spot	NNTeZ	[redacted]	260.2	
4	"	3:05	Df sm elong bay	N-SEBn	109.2	[redacted]	
5	Mar. 4	3:22	Wf vL wh br spot	NNTeZ	[redacted]	42.8	
6	"	3:42	Wc elong thin rod	S-SEBn	[redacted]	54.9	
7	"	3:28	Df sm elong bay	N-SEBn	15.9	[redacted]	
8	Apr. 3	1:18	Dc sm. proj	EBN	351.6	[redacted]	
9	Apr. 8	3:08	Dp thin streak	EBN	127.4	[redacted]	
10	"	3:04	Wf sm wh elong oval	S-SEBn	[redacted]	248.6	
11	Apr. 10	1:25	Dp sm proj	S-NEB	20.2	[redacted]	
12	"	1:07	DF L hump	N-SEBn	9.2	~~176.1~~	
13	Apr. 12	1:02	Dp sm hump	STB	[redacted]	55.4	poor seeing
14	Apr. 12	1:02	Dc L oval	N-SEBn	321.6	[redacted]	
15	Apr. 13	2:02	Df L oval wide	NNTeZ	[redacted]	241.7	poor timing
16	"	2:02	Dp L hump	N-SEBn	156.0	[redacted]	
17	"	2:02	Df sm thin rod	STB	[redacted]	241.7	
18	"	2:02	Dc L elong streak	S-NEB	156.0	[redacted]	
19	May 5	0h 49m	Df thin streak	STB	[redacted]	259.7	
20	"	0h 49m	Wf L bay	N-SEBn	341.4	[redacted]	
21	May 17	1:14	Wc sm. hump	STB	[redacted]	275.5	
22	"	1:17	Dc L sect.	EBN	90.8	277.3	

TRANSIT OBSERVATIONS

(14)

PLANET JUPITER

YEAR 1967 MARCH

OBSERVER BILL SCHWAB

TELESCOPE 8" REFLECTOR

LOCATION HOLGATE, OHIO

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
1	MARCH 1	$1^h 39^m$	Dc PROJ.	S. EDGE NEB	195.7	~~249.7~~	PROJ. INTO EZ
2	MARCH 10	$0^h 48^m$	Wc WHITE OVAL	STE Z (FA)	~~145.5~~	131.2	VERY CONSPIC.
3	MARCH 10	$0^h 56^m$	Wf WHITE OVAL	STE Z (FA)	~~152.4~~	136.0	VERY CONSPIC.
4	MARCH 16	$2^h 25^m$	Wp WHITE OVAL	STE Z (DE)	~~71.8~~	11.1	VERY CONSPIC.
5	MARCH 16	$2^h 48^m$	Wf WHITE OVAL	STE Z (DE)	~~85.8~~	25.0	VERY CONSPIC.
6	MARCH 16	$2^h 25^m$	RSp	STR Z	~~71.8~~	11.1	
7	MARCH 16	$3^h 18^m$	RSf	STR Z	~~104.1~~	43.2	
8	MARCH 19	$2^h 2^m$	Dc SM. PROJ.	S. EDGE NEB	-171.3	~~87.8~~	PROJ. INTO EZ
9	MARCH 19	$2^h 23^m$	Dp L. PROJ.	S. EDGE NEB	184.1	~~100.5~~	PROJ. INTO EZ
10	MARCH 19	$2^h 38^m$	Df L. PROJ.	S. EDGE NEB	193.2	~~109.6~~	PROJ. INTO EZ
11	MARCH 19	$2^h 36^m$	Dp SECT. OR BELT	EZN	192.0	~~108.4~~	SECT. OR A DARK ELONGATED
12	MARCH 19	$2^h 56^m$	Df SECT. OR BELT	EZN	204.2	~~120.5~~	MARKING IN EZ
13	MARCH 19	$2^h 46^m$	Wp WHITE OVAL	STE Z (FA)	~~198.1~~	114.4	VERY CONSPIC.
14	MARCH 19	$3^h 09^m$	Wf WHITE OVAL	STE Z (FA)	~~212.1~~	128.3	VERY CONSPIC.

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TRANSIT OBSERVATIONS

(3)

PLANET Jupiter

YEAR '67

OBSERVER L. M. CARLINO

TELESCOPE 6" REFRACTOR

LOCATION BUFFALO, N.Y.

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
1	23 MAY '67	$1^h 21^m.5$	Sm Dc (proj)	NEB - EZ ✓	319.6 ✓	~~100.4~~	Sm VD proj.
2	23 MAY '67	$1^h 21^m.5$	Dc	STB ✓	~~319.6~~	100.4 ✓	VD conspic. elong (center of "hump" measured)
3	27 MAY '67	$0^h 13^m$	c Dk. Proj	NEB - EZ ✓	188.5 ✓	~~299.2~~	

TRANSIT OBSERVATIONS

PLANET Jupiter

YEAR 1966

OBSERVER - Wynn Wache

TELESCOPE 6"-Reflector

LOCATION 4730 Ames St., Madison, Wisc. 53711

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
1	10/1/66	8:22?	c. dk. proj.	NEBs - EZ ✓	349°	~~113°~~	See sketch and notes.
2	10/1/66	9:20 est.	p. dk. sect. STB	STB ✓	~~[illegible]~~	148° ✓	
3	10/1/66	9:29	lt. rift NEB - c.	NEB	~~30°~~	153°	Appeared to cut through the entire belt.
4	10/1/66	9:38	c. dk proj.	NEBs - EZ ✓	35° ✓	~~159°~~	
5	10/1/66	11:08	c. S. Temp. Oval (FA)	STZ ✓	~~[illegible]~~	213° ✓	
6	10/3/66	9:35	c. dk. proj.	NEBs - EZ ✓	349° ✓	~~97°~~	Same as no. 1
7	10/3/66	10:30	f. dk. sect. SEB	SEBs ✓	~~[illegible]~~°	131° ✓	Both components darker.
8	10/3/66	10:38	c. We lt. rift NEBs	NEBs ✓	28° ✓	~~36°~~	Same as no. 3
9	10/3/66	10:48 est.	p. end dk. sect. STB	STB ✓	~~34°~~	142° ✓	
10	10/3/66	10:53	c. dk. proj.	NEBs - EZ ✓	37° ✓	~~147°~~	Same as no. 4
11	10/8/66	8:45	c. lt. rift NEBs	NEBs ✓	28° ✓	~~38°~~	Same as no. 3
12	10/8/66	8:46?	p. dk. sect. SEB	SEBs ✓	~~[illegible]~~°	99° ✓	
13	10/8/66	8:58	c. dk. proj.	NEBs - EZ ✓	36° ✓	~~106°~~	Same as no. 4
14	10/10/66	9:45	p. end lt. rift NEBs	NEBs ✓	20° ✓	~~25°~~	
15	10/10/66	9:53	c. lt. rift NEBs	NEBs ✓	25° ✓	~~30°~~	
16	10/10/66	10:06	c. dk. proj. NEBs	NEBs - EZ ✓	33° ✓	~~38°~~	
17	12/13/66	3:12	c. lt. oval	NEBs - EZ ✓	166° ✓	~~95°~~	
18	12/13/66	3:25	c. dk. proj. NEBs	NEBs - EZ ✓	174° ✓	~~103°~~	
19	12/14/66	3:15?	c. lt. oval or bay NEBs	NEBs ✓	328° ✓	~~247°~~	Seeing very poor
20	12/18/66	5:20	c. dk. proj.	NEBs - EZ ✓	317° ✓	~~236°~~	
21	12/18/66	5:37	c. We bay. NEBs	NEBs ✓	327° ✓	~~247°~~	
22	12/18/66	5:58	c. dk proj. NEBs	NEBs - EZ ✓	340° ✓	~~261°~~	
23	12/23/66	3:22?	dk. proj. - p. end wisp	NEBs - EZ ✓	315° ✓	~~137°~~	
24	12/23/66	3:44	f. end wisp	SEBn ✓	328° ✓	~~[illegible]~~°	

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TRANSIT OBSERVATIONS

PLANET Jupiter

OBSERVER Wynn K. Wacker

YEAR 1966 - 1967

TELESCOPE 6" Reflector

LOCATION 4730 Ames St., Madison, Wisc. 53711

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
25	12/24/66	4:32?	dk. proj. NEBs	NEBs - EZ ✓	155° ✓	~~6°~~	
26	12/24/66	4:55?	p. end dk. sect. STB	STB ✓	~~[illegible]~~	14° ✓	
27	12/24/66	5:20?	dk. proj. - f end wisp.	NEBs - EZ ✓	185° ✓ ~~[illegible]~~	~~24°~~	
30	3/3/67	0:09?	c. S. Temp. Ovl	S. Temp. Z (FA) ✓	~~[illegible]~~	126° ✓	
31	3/3/67	0:43?	c. proj. NEBs	NEBs - EZ ✓	117° ✓	~~146°~~	
32	3/10/67	0:47?	f. end S. Temp. Ovl	S. Temp. Z (FA) ✓	~~[illegible]~~	131° ✓	
35	3/29/67	0:47?	p. end S. Temp. Ovl	S. Temp. Z (FA) ✓	~~[illegible]~~°	104° ✓	
36	3/29/67	0:55	p. end dk. sect. E.B.	Equatorial Band ✓ EBN	269° ✓	~~109°~~	
37	3/29/67	1:04	c. S. Temp. Ovl	S. Temp. Z (FA) ✓	~~[illegible]~~°	115° ✓	
38	3/29/67	1:14	c. dk. sect. E.B.	Equatorial Band ✓	280° ✓	~~121°~~	
39	3/29/67	1:20?	f. end S. Temp. Ovl	S. Temp. Z (FA) ✓	~~[illegible]~~°	124° ✓	
40	3/29/67	1:45	p. end dk. sect E.B.	Equatorial Band ✓	299° ✓	~~37°~~	
41	3/29/67	1:53	proj. NTBn Pc	NTBn ✓ N.Te Z.	~~[illegible]~~	144° ✓	
42	3/29/67	2:00	c. dk. sect. E.B.	Equatorial Band ✓	308° ✓	~~115°~~	
43	3/29/67	2:10	proj. NEBs	NEBs - E.B. ✓	314° ✓	~~156°~~	Seemed to be the origin of the dk. sect. of the E.B. Connected to b End E.B. by wisp. Wisp emanated in a preceding direction.
44	3/29/67	2:54?	proj. NEBs	NEBs - EZ ✓	341° ✓	~~157°~~	
45	3/29/67	4:00?	c. S. Temp. Ovl	S. Te. Z. (BC) ✓	~~[illegible]~~	221° ✓	
46	4/2/67	1:10	c. dk. proj. NEBs	NEBs - EZ ✓	189° ✓	~~359°~~	
47	4/2/67	1:23	c. S. Temp. Ovl	S. Temp. Z. (DE) ✓	~~[illegible]~~°	7° ✓	
48	4/2/67	1:32	f. S. Temp. Ovl	S. Temp. Z. (DE) ✓	~~[illegible]~~	12° ✓	
49	4/2/67	1:42	p. R.S.	S. Trop. Z. ✓	~~208~~	18° ✓	
50	4/2/67	1:58	Sm. dk. proj.	NEBs - EZ ✓	218° ✓	~~28°~~	
51	4/2/67	2:01	c. R.S.	S. Trop. Z. ✓	~~220°~~	30° ✓	
52	4/2/67	2:18	f. end R.S.	S. Trop. Z. ✓	~~230°~~	40° ✓	

TRANSIT OBSERVATIONS

PLANET Jupiter

YEAR 1967

OBSERVER Wynn K. Wacker

TELESCOPE 6" Reflector

LOCATION 4730 Ames St., Madison, Wisc. 53711

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
53	4/25/67	1:34	c. Proj. NEBs	NEBs - EZ	232°	~~230~~	

TRANSIT OBSERVATIONS

(34)

PLANET Jupiter

YEAR 1966 - 1967

OBSERVER Eric Thiede

TELESCOPE 6-inch, f/10 newtonian reflector

LOCATION 4825 Bayfield Terrace, Madison, Wisc. 53705

No.	Date (U T)	U.T.	Object	Location	CM 1	CM 2	Remarks
1	Dec. 15, 1966	4:15	Center of bay Wc	N.E.B.s ✓	163° ✓	~~77°~~	
2	Dec. 15, 1966	4:36	Projection with wispy filament Dc	N.E.B.s ✓	175° ✓	~~90°~~	Filament extending into E.Z. nearly to S.E.B.n
3	Dec. 18, 1966	5:35	Center of bay Wc	N.E.B.s ✓	326° ✓	~~215°~~	Bay enclosed by arching wispy filament
4	Dec. 18, 1966	5:50	Proj. following bay Dc	N.E.B.s ✓	335° ✓	~~224°~~	Above filament emanating from this projection
6	Jan. 22, 1967	4:05	Center of dark section of N.E.B.n Dc	N.E.B.n ✓	~~12°~~	25° ✓	
7	Jan. 22, 1967	4:08	Center of Great Red Spot RSc	~~S.E.B.s - S.T.B.~~ STRZ ✓	~~12°~~	27° ✓	Timing somewhat uncertain
8	Jan. 22, 1967	4:58	Prec. end of dark section of S.T.B. Dp	S.T.B. ✓	~~32°~~	57° ✓	
9	Jan. 22, 1967	5:10	Small projection Dc	N.E.B.s ✓	82° ✓	~~64°~~	
10	Jan. 24, 1967	2:32	Small projection Dc	N.E.B.s ✓	301° ✓	~~270°~~	Uncertain timing
12	Feb. 14, 1967	3:15	Projection Dc	N.E.B.s. ✓	45° ✓	~~213°~~	Nature of object somewhat uncertain
13	Feb. 15, 1967	2:50	Center of bay Wc	N.E.B.s. ✓	188° ✓	~~349°~~	Bay cutting completely through N.E.B.s
14	Feb. 15, 1967	2:58	Projection Dc	N.E.Bs ✓	196° ✓	~~357°~~	Projection darker than N.E.Bs.
23	March 3, 1967	2:32	Prec. end of S. Temp. oval Wp	S.T.B. (BC) ✓	~~[illegible]~~	222° ✓	Uncertain timing
24	March 3, 1967	2:39	Center of bay Wc	N.E.B. N ✓	~~198°~~	226° ✓	Uncertain timing
25	March 3, 1967	2:44	Center of S. Temp. oval Wc	S.T.B. (BC) ✓	~~[illegible]~~	230° ✓	Oval poorly defined
26	March 3, 1967	2:48	Projection Dc	N.E.B. N ✓	~~144°~~	233° ✓	Same proj. as seen on Feb. 15
27	March 7, 1967	3:07	Lgh oval area with resulting bulge in belt Wc	N.E.B. N ✓	~~117°~~	124° ✓	Gray area in E.Z. South of bulge, and center of small sec. of E. band visible
28	March 7, 1967	3:15	Prec. end S. temp oval Dp	S.T.B. (FA) ✓	~~[illegible]~~	129° ✓	Dark spots south of oval in S.A.R.
29	March 7, 1967	3:15	Center of dk. section Dc	S.E.B.s ✓	~~122°~~	129° ✓	
30	March 7, 1967	3:20	Center of dk. section Dc	N.T.B. ✓	~~125°~~	132° ✓	
31	March 7, 1967	3:21	Center of S. Temp oval Wc	S.T.B. (FA) ✓	~~126°~~	133° ✓	Uncertain timing
32	April 4, 1967	3:35	C. of Red Spot RSc	~~S.T.B. S.E.B.s~~ STRZ ✓	~~[illegible]~~	27° ✓	Uncertain timing
33	April 4, 1967	3:40	Dk. proj. with festoon Dc	N.E.B.s ✓	236° ✓	~~30°~~	Uncertain timing
(34)	April 11, 1967	3:18	P. end light oval area Wp	Between N.E.Bs and N.E.B.n NEBc ✓	~~247°~~	348° ✓	

(29) 1966-67 *

TRANSIT OBSERVATIONS

PLANET Jupiter

YEAR 1967

OBSERVER Eric Thiede

TELESCOPE 6-inch Clark Refractor

LOCATION Washburn Observatory, U. of Wisconsin

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
11	Feb. 12, 1967	4:06	Proj. with wispy filament ✓	N.E.Bs. ✓	121° ✓	~~304°~~	
15	Feb. 25, 1967	4:40	C. dk. section ✓	N.T.B. ✓	~~35°~~	118° ✓	
16	Feb. 25, 1967	4:47	Prec. end proj. on dk. section of S.E.Bs. ✓	S.E.Bs ✓	~~39°~~	122° ✓	
17	Feb. 25, 1967	4:53	Proj. on s. side of N.E.B. ✓	N.E.B$_S$ ✓	~~43°~~	126° ✓	
18	Feb. 25, 1967	4:53	Proj. on N. side of N.E.B. ✓	N.E.B$_N$ ✓	~~43°~~	126° ✓	
19	Feb. 25, 1967	4:56	Prec. end of S.T. oval (FA) ✓	S.T.B. ✓	~~45°~~	128° ✓	
20	Feb. 25, 1967	5:02	Following end of dk. section of N.T.B. ✓	N.T.B. ✓	~~48°~~	131° ✓	
21	Feb. 25, 1967	5:07	Center of S.T. oval (FA) ✓	S.T.B. ✓	~~51°~~	134° ✓	
22	Feb. 25, 1967	5:15	Following end of S.T. oval (FA) ✓	S.T.B. ✓	~~56°~~	139° ✓	
43	Apr. 27, 1967	2:59	Projection ✓	N.E.B.s. ✓	239° ✓	~~217°~~	
44	Apr. 27, 1967	3:15	Center of bay ✓	N.E.B.s. ✓	249° ✓	~~227°~~	
45	Apr. 27, 1967	3:18	Projection ✓	N.E.B.n. ✓	~~251°~~	230° ✓	
46	Apr. 27, 1967	3:30	Projection ✓	N.E.B.s. ✓	258° ✓	~~236°~~	
47	Apr. 28, 1967	3:15	Projection ✓	N.E.B.s. ✓	47° ✓	~~18°~~	Wispy festoon emanating from this projection
48	Apr. 28, 1967	3:24	Preceding end of Great Red Spot ✓	S.T.B. – S.E.B.s. ✓ STRZ	~~52°~~	23° ✓	

1966-67

TRANSIT OBSERVATIONS

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PLANET Jupiter

YEAR 1967

OBSERVER Eric Thiede

TELESCOPE 6-inch f/10 reflector

LOCATION 4825 Bayfield Terrace

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
35	Apr. 11, 1967	3:22	Center of light oval area	Between N.E.B.s and N.E.B.n. NEBc	~~249°~~	350°	
36	Apr. 11, 1967	3:26	Preceding end of South Temperate Oval (DE)	S.T.B.	~~252°~~	353°	
37	Apr. 11, 1967	3:31	Following end of light oval area	Between N.E.B.s and N.E.B.n. NEBc	~~255°~~	356°	
38	Apr. 11, 1967	3:36	Center of South Temperate Oval (DE)	S.T.B.	~~258°~~	359°	
39	Apr. 11, 1967	3:48	Following end of South Temperate Oval (DE)	S.T.B.	~~265°~~	6°	
40	Apr. 11, 1967	3:55	Wispy filaments in Equatorial Zone	E.Z.	269°	~~10°~~	
41	Apr. 11, 1967	4:20	Preceding end of Great Red Spot	S.T.B. – S.E.B.s. STRZ	~~285°~~	25°	
42	Apr. 19, 1967	1:15	Following end of Great Red Spot	S.T.B. – S.E.B.s. STRZ	~~354°~~	34°	
49	May 8, 1967	1:15	Projection	N.E.B.s	111°	~~5°~~	post-transit estimate
50	May 8, 1967	1:45	Preceding end of Great Red Spot	S.T.B. – S.E.B.s. STRZ	~~129°~~	24°	
51	May 8, 1967	2:05	Following end of Great Red Spot	S.T.B. – S.E.B.s. STRZ	~~141°~~	36°	estimate

TRANSIT OBSERVATIONS

PLANET Jupiter

YEAR 1967

OBSERVER Eric Thiede

TELESCOPE various

LOCATION 4825 Bayfield Terrace, Madison, Wisc. 53705

No.	Date (U T)	U.T.	Object	Location	CM 1	CM 2	Remarks (telescopes used)
5	Jan. 11, 1967	2:42	Proj. (perhaps bay following)	N.E.B.s	53°	~~120°~~	4.5-inch refractor
52	June 2, 1967	2:06	Proj. (with wispy filament)	N.E.B.s.	124°	~~189°~~	15.6-inch refractor
53	June 3, 1967	2:28	Proj. (with bay and wisps)	N.E.B.s.	295°	~~352°~~	10-inch reflector

(34)

TRANSIT OBSERVATIONS

PLANET JUPITER

YEAR 1967

OBSERVER RODGER W. GORDON

TELESCOPE 3½" QUESTAR CATADIOPTRIC

LOCATION ACKERMANVILLE, PA. 18010

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
1.	1/3/67	0:50	DARK SPOT (SMALL) Dc	NEBs S PART	160°	—	
2.	1/3/67	1:30	DARK SPOT Dc	NEBs S PART	185°	—	ESTIMATED
3	1/16/67	0:45	SM. FAINT ELONG. STREAK Wc	EZN	52°	—	
4	3/27/67	0:55	SM. DK. SPOT Dc	S. EDGE OF NEBs	312°	—	
5	3/31/67	0:05	DK. SPOT Dc	S EDGE OF SEB PARTLY EZN	194°	—	ESTIMATED
6	3/31/67	0:21	P. END OF DK STREAK Dp	STB	—	29°	
7	3/31/67	0:27	CENTER OF FAINT STREAK OR FESTOON Dc	EZN	207°	—	CONNECTS A SM. SPOT ON NEBs TO THE SEBN SAME SPOT AS No. 8
8	3/31/67	0:40	F. END OF FAINT STREAK OR FESTOON Df	N EDGE OF SEBN	215°	—	
9	3/31/67	0:52	DARK BAR Dc	EZN	221°	—	
10	3/31/67	1:10	SM. DK SPOT Dc	EZN	233°	—	ESTIMATED
11	4/3/67	3:00	SM. DK. SPOT Dc	EZN	53°	—	ESTIMATED
12	4/3/67	3:05	WHITE PATCH OR OVAL Wc	STeZ (BC)	—	216°	
13	4/5/67	0:10	SM. DK. HUMP Dc	NEBs	263°	—	
14	4/5/67	23:55	DK. "BAR" F END Df	NEBs-EZ BOUNDRY	60°	—	
15	4/6/67	0:30	OVAL Wc	STeZ (BC)	—	215°	POOR SEEING
16	4/6/67	1:55	SM. HUMP Dc	NEBs	127°	—	ESTIMATED
17	4/9/67	0:40	SHADOW OF SATELLITE IV	ZONE SER. SEBs + SEBN	—	—	
18	4/9/67	0:42	SM. DK PROJECTION Dc	NEBs	196°	—	POOR SEEING
19.	4/9/67	1:05	CENTER OF LARGE FESTOON Dc	EZN (RUNS FROM NEBs TO SEBN)	211°	—	HUGE, BUT F. END FAINT
20.	4/9/67	1:22	F. END OF FAINT FESTOON Df	" "	218°	—	ESTIMATED DUE TO POOR SEEING
21	4/9/67	1:55	OVAL Wc	STeZ	—	162°	GROSS ESTIMATE; NOT TO BE RELIED ON
22	4/9/67	1:56	SM. BAR Dc	EZN	241°	—	
23	4/13/67	1:20	STZ OVAL (CENTER) Wc	STeZ (BC)	—	216°	BRIGHTER THAN STZ
24	4/13/67	1:20	F. END SM. PROJ. OR "HUMP" Df	NEBs	130°	—	POOR SEEING

* TRANSIT OBSERVATIONS

PLANET JUPITER

YEAR 1967

OBSERVER ROGER W. GORDON

TELESCOPE 3½" QUESTAR CATADIOPTRIC

LOCATION ACKERMANVILLE PA

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
25	4/15/67	2:20	F. END OK BAR Df	EZ N ✓	123° ✓	—	ESTIMATED
26	4/15/67	2:57	STZ OVAL Wc	STZ (BC) ✓	—	215° ✓	
27	4/26/67	0:55	SHADOW SAT. I	EZ ✓	—	—	
28	5/1/67	0:24	OK. PROJ. Dc	NEBs ✓	57° ✓	—	
29.	5/1/67	0:35	P. END R.S. RSp	STRz ✓	—	11° ✓	
30	5/4/67	0:52	DK. PROJ? Dc	NEBs ✓	185° ✓	—	POOR SEEING
31	5/13/67	0:36	DK. HUMP Dc	NEBs ✓	155° ✓	—	
32	5/13/67	1:15	P. END OF DK. PROJ. OR STREAK Dp	NEBs ✓	179° ✓	—	
33	5/17/67	1:05	STREAK Wc	NEBs – EZ ✓	84° ✓	—	ESTIMATED
34	5/24/67	1:05	V. SM. PROJ. Dc	NEBs ✓	107° ✓	—	