

TRANSIT OBSERVATIONS

PLANET Jupiter OBSERVER Carlos E. Root
 YEAR 1966 TELESCOPE 6-inch Catadioptric Reflector
 Total Observing Time -53 min. LOCATION Santurce, Puerto Rico

No.	Date (UT)	U.T. h m	Code	Object	Location	CM 1	CM 2	Remarks
1	Sept. 17	8 15	Df	Tall Proj.	EZ ✓	295°.0 ✓	—	S. edge - NEBS
2	— 17	8 29	Df	Dark Sect.	EB ✓	303.6 ✓	—	Connected to Tall Proj.
3	— 17	8 29	Wp	Bay	NEBS ✓	303.6 ✓	—	
4	— 17	8 48	Wf	Bay	NEBS ✓	315.2 ✓	—	
5	— 17	8 48	Dp	Low Proj.	NEBS ✓	315.2 ✓	—	S. edge - NEBS
6	— 17	8 58	Dc	Low Proj.	NEBS ✓	321.3 ✓	—	S. edge - NEBS
7	— 17	9 08	Df	Low Proj.	NEBS ✓	327.3 ✓	—	S. edge - NEBS

TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1966

OBSERVER Carlos E. Rost
TELESCOPE 6-in. Catadioptric Refl.

Total Observing Time - 28.5 min. LOCATION Santurce, Puerto Rico

No.	Date (UT)	U.T.	Code	Object	Location	CM 1	CM 2	Remarks
1	October 2	6 ^h 48 ^m	Dc	Tall Proj	S. edge NEB ^S	89°3	✓	—
2	— 2	6 ^h 54 ^m	Df	Tall Proj	S. edge NEB ^S	92°9	✓	—
3	— 2	7 ^h 03.5 ^m	Wp	White Oval	STe Z (FA)	✓	215°7	✓
4	— 2	7 ^h 09 ^m	Wc	White Oval	STe Z (FA)	✓	218°7	✓
5	— 2	7 ^h 16.5 ^m	Wf	White Oval	STe Z (FA)	✓	223°6	✓

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TRANSIT OBSERVATIONS

Report no. 3
Drawing no. 3

PLANET Jupiter
YEAR 1966

OBSERVER Carlos E. Rost
TELESCOPE 6-in. Catad. Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time - 58 min.

No.	Date (UT)	U.T. hr min	Code	Object	Location	CM 1	CM 2	Remarks
1	Oct. 16	7 41	Df	Low Proj #1	EZ ✓	171°6	✓	
2	— 16	7 41	Dc	Fest.	N. edge NEB ✓	—	181°3	✓
3	— 16	8 04	Dc	Sect.	NEB ✓	—	195°2	Darker Sect. of Belt
4	— 16	8 18	Wp	White Oval (FA)	STe 2 ✓	—	203°7	✓
5	— 16	8 26	Wc	White Oval (FA)	STe 2 ✓	—	208°5	✓
6	— 16	8 30	Dp	Low Proj #2	EZ ✓	201°5	✓	
7	— 16	8 35	Wf	White Oval (FA)	STe 2 ✓	—	214°0	✓
8	— 16	8 35	Dc	Low Proj #2	EZ ✓	204°5	✓	
9	— 16	8 39	Df	Sect.	NEB ✓	—	216°4	Darker Sect. of Belt

TRANSIT OBSERVATIONS

PLANET JupiterOBSERVER Carlos E. RostYEAR 1966TELESCOPE 6 in. Catadioptric Refl.Total Observing Time - 1^h 47^mLOCATION Santurce, Puerto Rico

No.	Date (UT)	U.T. Hr. Min	Key	Object	Location	CM 1	CM 2	Remarks
1	Dec. 13	3 28	Df	LF → (A)	EZ ✓	178°:1 ✓	—	
2	— 13	3 45	Dp	LF (#1)	N. edge NEB _B ✓	—	116°:9 ✓	
3	— 13	3 53	Dc	LF (#1)	N. edge NEB _B ✓	—	121°:7 ✓	
4	— 13	4 06	Df	LF (#1)	N. edge NEB _B ✓	—	129°:6 ✓	
5	— 13	4 06	Wp	Bay	NEB _S ✓	201°:3 ✓	—	
6	— 13	4 12	Wc	Bay	NEB _S ✓	204°:9 ✓	—	
7	— 13	4 33	Wf	Bay	NEB _S ✓	217°:7 ✓	—	
8	— 13	4 33	Dp	LF (#2)	N. edge NEB _B ✓	—	145°:9 ✓	
9	— 13	4 53	*Df	LF (#2)	N. edge NEB _B ✓	—	158°:0 ✓	*clouds prevented observing Dc
10	— 13	4 53	Dp	LF → (B)	EZ ✓	229°:9 ✓	—	Not on Sluzg.
11	— 13	5 15	Dc	LF → (B)	EZ ✓	243°:3 ✓	—	Not on Sluzg.

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Report No. 5
Drawing No. 5

TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1966

OBSERVER Carlos E. Rost
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time - 4 mins.

No.	Date (UT)	U.T.		Key	Object	Location	CM 1	CM 2	Remarks
		Hr.	Min.						
1	Dec. 16	3	55	Dp	Festoon	N. edge NEB	✓	214°0	✓
2	- 16	3	59	Dc	Projection	E2	✓	311°0	✓

TRANSIT OBSERVATIONS

PLANET Jupiter

OBSERVER Carlos C. Root

YEAR 1966

TELESCOPE 6-in. Catadioptric Refl.

(Total Obs. Time = 2^{hr.} 52^{min.})

LOCATION Santurce, Puerto Rico

No.	Date (UT)	U.T. Hr. Min	Key	Object	Location	CM 1	CM 2	Remarks
1	Dec. 21	2 03	Wf	White oval #1	STe Z (FA) ✓	—	178°3	✓
2	— 21	2 12	Dp	L.F. #1	EZ ✓	315°9	✓	—
3	— 21	2 28	Dc	L.F. #1	EZ ✓	325°7	✓	—
4	— 21	2 38	Df	L.F. #1	EZ ✓	331°8	✓	—
5	— 21	2 38	Wp	Nodule #1	N. edge NEB _B ✓	—	199°5	✓
6	— 21	3 01	Wc	Nodule #1	N. edge NEB _B ✓	—	213°4	✓
7	— 21	3 27	Wf	Nodule #1	N. edge NEB _B ✓	—	229°1	✓
8	— 21	3 27	Dp	L.F. #2	EZ ✓	1°6	✓	Not on Slwg.
9	— 21	3 27	Wp	Nodule #2	N. edge NEB _B ✓	—	229.1	Not on Slwg.
10	— 21	3 35	Dc	L.F. #2	EZ ✓	6°4	✓	Not on Slwg.
11	— 21	3 41	Wf	Nodule #2	N. edge NEB _B ✓	—	237°6	Not on Slwg.
12	— 21	3 51	Df	L.F. #2	EZ ✓	16°2	✓	Not on Slwg.
13	— 21	3 55	Wp	Nodule #3	N. edge NEB _B ✓	—	246°0	Not on Slwg.
14	— 21	3 58	Dp	L.F. #3	EZ ✓	20°5	✓	Not on Slwg.
15	— 21	4 09	Wc	Nodule #3	N. edge NEB _B ✓	—	254°5	Not on Slwg.
16	— 21	4 15	Dc	L.F. #3	EZ ✓	30°8	✓	Not on Slwg.
17	— 21	4 28	Df	L.F. #3	EZ ✓	38°8	✓	Not on Slwg.
18	— 21	4 31	Dp	Column	EZ ✓	40°6	✓	after L.F. #3 Not on Slwg.
19	— 21	4 33	Dc	Column	EZ ✓	41°8	✓	Idem
20	— 21	4 35	Df	Column	EZ ✓	43°0	✓	Not on Slwg.
21	— 21	4 35	Wc	Nodule #4	N. edge NEB _B ✓	—	270°3	Idem
22	— 21	4 35	Dp	L.F. #4	EZ ✓	43°0	✓	Idem
23	— 21	4 41	Wp	White oval #2	STe Z (BC) ✓	—	273°9	Idem
24	— 21	4 46	Wc	White oval #2	STe Z (BC) ✓	—	276°9	Idem
25	— 21	4 46	Dc	L.F. #4	EZ ✓	49°7	✓	Idem
26	— 21	4 51	Dc	Condensation	SEBs (S. edge) ✓	—	279°9	Idem
27	— 21	4 55	Wf	White oval #2	STe Z (BC) ✓	—	282°3	Idem

Report No. 7
 Drawing No. 7



TRANSIT OBSERVATIONS

PLANET Jupiter OBSERVER Carlos E. Rost
 YEAR 1966 TELESCOPE 6-in. Catad. Refl.
 (Observing Time - 0^h 0^m) LOCATION Santurce, P. R.

No.	Date (UT)	U. T.		Key	Object	Location	CM 1	CM 2	Remarks
		Hr.	Min.						
1	Dec. 24	3	41	DC	L. F. #2	E2 ✓	124°2'	✓	

* * TRANSIT OBSERVATIONS

Report no. 8
Drawing no. 8

PLANET Jupiter
YEAR 1966

OBSERVER Carlos E. Rost
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Observing Time - 1^h 13^m

No.	Date (UT)	Hr.	U.T. Min	Key	Object	Location	CM 1	CM 2	Remarks
1	Dec. 26	1	54	Dc	L.F. #1	EZ ✓	15°.1	✓	On CM-see diag.
2	— 26	2	04	Df	L.F. #1	EZ ✓	21°.2	✓	
3	— 26	2	13	Dp	L.F. #2	EZ ✓	26°.7	✓	next to L.F.#1
4	— 26	2	19	Wc	Module #4	N. edge NEB ₀ ✓	—	220°.0	N. of L.F.#2
5	— 26	2	25	Dc	L.F. #2	E.Z. ✓	34°.0	✓	
6	— 26	2	25	Wf	Module #4	N. edge NEB ₀ ✓	—	223°.6	See Transit #4
7	— 26	2	34	Df	L.F. #2	EZ ✓	39°.5	✓	
8	— 26	2	38	Wp	Module #5	N. edge NEB ₀ ✓	—	231°.5	✓
9	— 26	2	39	Dp	L.F. #3	EZ ✓	42°.6	✓	
10	— 26	2	48	Wc	Module #5	N. edge NEB ₀ ✓	—	237°.5	✓
11	— 26	2	52	Dc	L.F. #3	EZ ✓	50°.5	✓	
12	— 26	2	59	Wf	Module #5	N. edge NEB ₀ ✓	—	244°.2	✓
13	— 26	3	07	Df	L.F. #3	EZ ✓	59°.6	✓	

(January 2) 1967 - (Second) Observing Session

Report No. 9-B
Drawing No. 10

TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1967

OBSERVER Carlos C. Root
TELESCOPE 6-in. Catad. Refl.
LOCATION Santurce, P.R.

Total Observing Time - $1^h 53^m$

No.	Date (UT)	Hr. U.T.	Min	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 2	3	12	Df	LF #2	E2 ✓	88.8	✓	
2	— 2	3	17	Dp	LF #3	E2 ✓	91.9	✓	
3	— 2	3	36	Dc	LF #3	E2 ✓	103.4	✓	
4	— 2	3	46	Df	LF #3	E2 ✓	109.5	✓	
5	— 2	3	46	Dp	LF #4	E2 ✓	109.5	✓	
6	— 2	3	46	Wp	Nodule	E2 ✓	109.5	✓	Inside of L.F. #4
7	— 2	3	54	Wc	Nodule	E2 ✓	114.4	✓	Inside of L.F. #4
8	— 2	3	58	Wc	Nodule #3	N. edge NEB	✓	252.7	✓
9	— 2	4	02	Df	LF #4	E2 ✓	119.3	✓	
10	— 2	4	02	Wf	Nodule	E2 ✓	119.3	✓	Inside of L.F. #4
11	— 2	4	06	Dp	LF #5	E2 ✓	121.8	✓	
12	— 2	4	06	Wp	Nodule #4	N. edge NEB	✓	257.5	Not on dwg.
13	— 2	4	14	Dc	LF #5	E2 ✓	126.6	✓	
14	— 2	4	16	Wc	Nodule #4	N. edge NEB	✓	263.6	✓
15	— 2	4	20	Wp	White oval	STe 2 (BC)	✓	266.0	✓
16	— 2	4	20	Df	LF #5	E2 ✓	130.3	✓	
17	— 2	4	26	Wc	White oval	STe 2 (BC)	✓	269.6	✓
18	— 2	4	26	Dp	Elong. Cond #1	N. edge SEBs	✓	269.6	Not on dwg.
19	— 2	4	30	Dc	Elong. Cond #1	N. edge SEBs	✓	272.0	Idem
20	— 2	4	34	Wf	White oval	STe 2 (BC)	✓	274.4	✓
21	— 2	4	34	Df	Elong. Cond #1	N. edge SEBs	✓	274.4	✓
22	— 2	4	51	Dp	Elong. Cond #2	N. edge SEBs	✓	284.7	Not on dwg.
23	— 2	4	58	Dc	Elong. Cond #2	N. edge SEBs	✓	289.0	Idem
24	— 2	5	05	Df	Elong. Cond #2	N. edge SEBs	✓	293.1	Idem

First Observing Session - 18 Transits - $1^h 09^m$
Second Observing Session - 24 Transits - $1^h 53^m$

ASSOCIATION OF LUNAR AND PLANETARY OBSERVERS Total - 42 Transits - $3^h 02^m$

* Total Transits secured To Date - 117

(January 2) 1967 - (First Observing Session)

Report no. 9-A

TRANSIT OBSERVATIONS

Drawing no. 9

PLANET Jupiter
YEAR 1967

OBSERVER Carlos C. Root
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time - 1^h09^m

No.	Date (UT)	U.T. Hr. Min	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 2	0 43	Wp	Nodule #2	N. edge NEB _g ✓	—	134.8 ✓	
2	— 2	0 53	Df	Rod	*EZ ✓	4.1 ✓	—	*See Dwg.
3	— 2	0 53	Wc	Nodule #2	N. edge NEB _g ✓	—	140.8 ✓	
4	— 2	1 02	Wf	Nodule #2	N. edge NEB _g ✓	—	146.3 ✓	
5	— 2	1 02	Wp	Nodule #3	N. edge NEB _g ✓	—	146.3 ✓	
6	— 2	1 02	Dp	Cond.	N. edge NEB _g ✓	—	146.3 ✓	Over Nod. #3
7	— 2	1 10	Dc	Cond.	N. edge NEB _g ✓	—	151.1 ✓	See Transit #6
8	— 2	1 16	Wc	Nodule #3	N. edge NEB _g ✓	—	154.8 ✓	
9	— 2	1 17	Df	Cond.	N. edge NEB _g ✓	—	155.4 ✓	See Transit #6
10	— 2	1 23	Wf	Nodule #3	N. edge NEB _g ✓	—	159.0 ✓	
11	— 2	1 23	Wp	Nodule #4	N. edge NEB _g ✓	—	159.0 ✓	
12	— 2	1 23	Dp	L.F.	EZ ✓	22.4 ✓	—	
13	— 2	1 29	Wp	White Oval	STe Z(FA) ✓	—	162.6 ✓	
14	— 2	1 36	Wf	Nodule #4	N. edge NEB _g ✓	—	166.9 ✓	
15	— 2	1 36	Dc	L.F.	EZ ✓	30.3 ✓	—	
16	— 2	1 38	Wc	White Oval	STe Z(FA) ✓	—	168.1 ✓	
17	— 2	1 45	Wf	White Oval	STe Z(FA) ✓	—	172.3 ✓	
18	— 2	1 52	Df	L.F.	EZ ✓	40.1 ✓	—	

TRANSIT OBSERVATIONS

PLANET Jupiter
 YEAR 1967

OBSERVER Carlos E. Rost
 TELESCOPE 6-in. Catad. Refl.
 LOCATION Santurce, Puerto Rico

Total Observing Time - 1^h 43^m

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 3	1	17	Dc	LF #3	EZ ✓	176.9	✓	
2	— 3	1	17	Wc	Nodule #3	N. edge NEB ₁ ✓	305.9	✓	On CM as per drawing
3	— 3	1	27	Wf	Nodule #3	N. edge NEB ₁ ✓	311.9	✓	idem
4	— 3	1	27	Wp	Nodule #4	N. edge NEB ₁ ✓	311.9	✓	next to #3
5	— 3	1	30	Df	LF #3	EZ ✓	184.8	✓	
6	— 3	1	30	Dp	Column #2	EZ ✓	184.8	✓	next to LF #3
7	— 3	1	36	Dc	Column #2	EZ ✓	188.4	✓	
8	— 3	1	38	Wc	Nodule #4	N. edge NEB ₁ ✓	318.6	✓	
9	— 3	1	43	Df	Column #2	EZ ✓	192.7	✓	
10	— 3	1	43	Dp	LF #4	EZ ✓	192.7	✓	
11	— 3	1	46	Wf	Nodule #4	N. edge NEB ₁ ✓	323.4	✓	
12	— 3	1	46	Wp	Nodule #5	N. edge NEB ₁ ✓	323.4	✓	
13	— 3	1	54	Dc	LF #4	EZ ✓	199.4	✓	
14	— 3	1	57	Wc	Nodule #5	N. edge NEB ₁ ✓	330.0	✓	
15	— 3	2	06	Wf	Nodule #5	N. edge NEB ₁ ✓	335.4	✓	
16	— 3	2	06	Wp	Nodule #6	N. edge NEB ₁ ✓	335.4	✓	
17	— 3	2	09	Df	LF #4	EZ ✓	208.6	✓	
18	— 3	2	09	Dp	Column #3	EZ ✓	208.6	✓	
19	— 3	2	18	Wc	Nodule #6	N. edge NEB ₁ ✓	342.7	✓	
20	— 3	2	21	Dc	Column #3	EZ ✓	215.9	✓	
21	— 3	2	28	Df	Column #3	EZ ✓	220.2	✓	
22	— 3	2	28	Dp	LF #5	EZ ✓	220.2	✓	
23	— 3	2	31	Wf	Nodule #6	N. edge NEB ₁ ✓	350.5	✓	
24	— 3	2	46	Dc	LF #5	EZ ✓	231.1	✓	
25	— 3	3	00	Df	LF #5	EZ ✓	239.6	✓	

* (142 Transits To Date) and 5 Transits on special sketch = 147 Transits To-Date.
 ASSOCIATION OF LUNAR AND PLANETARY OBSERVERS

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TRANSIT OBSERVATIONS

Report No. 11

Drawing No. 12

PLANET Jupiter

OBSERVER Carlos E. Rost

YEAR 1967

TELESCOPE 6-in. Catad. Refl.

Total Observing Time: 42 min.

LOCATION Santurce, Puerto Rico

No.	Date (UT)	U.T. Hr. Min	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 16	1 09	Df	LF #1	EZ ✓	66°5	✓	
2	— 16	1 09	Wp	Module #1	N. edge NEB#	✓	96°3	✓
3	— 16	1 20	Wc	Module #1	N. edge NEB#	✓	103°0	✓
4	— 16	1 30	Dp	LF #2	EZ ✓	79°3	✓	
5	— 16	1 33	Wf	Module #1	N. edge NEB#	✓	110°8	✓
6	— 16	1 42	Wc	Gap	N. edge NEB#	✓	116°3	Between both modules 1 and 2
7	— 16	1 51	Wf	Gap	N. edge NEB#	✓	121°7	idem as above
8	— 16	1 51	Wp	Module #2	N. edge NEB#	✓	121°7	✓
(Total Transits			to-date: 155)					

TRANSIT OBSERVATIONS

Report no. 12
Drawing no. 13

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Root
TELESCOPE 6-in. Catad. Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time: 59 minutes

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 22	1	07	Df	L.F. #2	E2 ✓	293.5	✓	
2	— 22	1	07	Wf	Nodule #3	N. edge NEB#	✓	277.5	✓
3	— 22	1	07	Wp	Nodule #4	N. edge NEB#	✓	277.5	✓
4	— 22	1	07	Dp	Column #2	E2 ✓	293.5	✓	
5	— 22	1	21	Dc	Column #2	E2 ✓	302.0	✓	
6	— 22	1	23	Wc	Nodule #4	N. edge NEB#	✓	287.2	✓
7	— 22	1	27	Df	Column #2	E2 ✓	305.7	✓	
8	— 22	1	27	Dp	L.F. #3	E2 ✓	305.7	✓	
9	— 22	1	30	Wf	Nodule #4	N. edge NEB#	✓	291.4	✓
10	— 22	1	30	Wp	Gap	N. edge NEB#	✓	291.4	Between Nodules Nos. 4 and 5
11	— 22	1	41	Wc	Gap	N. edge NEB#	✓	298.1	✓
12	— 22	1	46	Wf	Gap	N. edge NEB#	✓	301.1	✓
13	— 22	1	46	Wp	Nodule #5	N. edge NEB#	✓	301.1	✓
14	— 22	1	52	Dc	L.F. #3	E2 ✓	320.9	✓	
15	— 22	1	56	Wc	Nodule #5	N. edge NEB#	✓	307.1	✓
16	— 22	2	06	Wf	Nodule #5	N. edge NEB#	✓	313.1	✓
17	— 22	2	06	Wp	Nodule #6	N. edge NEB#	✓	313.1	✓

— (Total Transits To-date: 172) —

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TRANSIT OBSERVATIONS

Report No. 13
Drawing No. 14

PLANET Jupiter
YEAR 1967

OBSERVER Carlos C. Rost
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time: 3^h 10^m

No.	Date (UT)	U.T. Hr. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 28	2 24	Wp	White Oval	STeZ(FA) ✓	—	146°.4 ✓	
2	— 28	2 35	Wc	White Oval	STeZ(FA) ✓	—	153°.1 ✓	
3	— 28	2 44	Wf	White Oval	STeZ(FA) ✓	—	158°.5 ✓	
4	— 28	3 05	Dc	LF #2	EZ ✓	233°.4 ✓	—	
5	— 28	3 25	Df	LF #2	EZ ✓	245°.6 ✓	—	
6	— 28	3 25	Dp	LF #3	EZ ✓	245°.6 ✓	—	
7	— 28	3 25	Wp	Festoon	N. edge NEB ₂ ✓	—	183°.3 ✓	
8	— 28	3 50	Dc	LF #3	EZ ✓	260°.9 ✓	—	
9	— 28	4 11	Df	LF #3	EZ ✓	273°.7 ✓	—	
10	— 28	4 16	Dp	LF #4	EZ ✓	276°.8 ✓	—	Not on dwg.
11	— 28	4 38	Dc	LF #4	EZ ✓	290°.2 ✓	—	Not on dwg.
12	— 28	5 04	Df	LF #4	EZ ✓	306°.0 ✓	—	Not on dwg.
13	— 28	5 04	Dp	LF #5	EZ ✓	306°.0 ✓	—	Not on dwg.
14	— 28	5 09	Wp	Gap	STB ✓	—	246°.1 ✓	See sketch
15	— 28	5 15	Wc	Gap	STB ✓	—	249°.8 ✓	See sketch
16	— 28	5 15	Wp	White Oval	STeZ(BC) ✓	—	249°.8 ✓	See sketch
17	— 28	5 20	Wf	Gap	STB ✓	—	252°.8 ✓	—
18	— 28	5 22	Wc	White Oval	STeZ(BC) ✓	—	254°.0 ✓	—
19	— 28	5 22	Dp	Column (FEST.)	STRZ ✓	—	254°.0 ✓	—
20	— 28	5 24	Dc	Column (FEST.)	STRZ ✓	—	255°.2 ✓	—
21	— 28	5 27	Df	Column (FEST.)	STRZ ✓	—	257°.0 ✓	—
22	— 28	5 31	Wf	White Oval	STeZ(BC) ✓	—	259°.4 ✓	—
23	— 28	5 34	Dc	LF #5	EZ ✓	324°.3 ✓	—	Not on dwg.

Total Transits to-date: 195

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TRANSIT OBSERVATIONS

Report No. 14
Drawing No. 15

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Rost
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time: 1 h 59 m

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 29	3	43	Wf	Gap	(NTB) ✓	—	344.5	✓
2	— 29	3	43	Dc	Clong. Cond.	(NNTB) ✓	—	344.5	✓
3	— 29	3	47	Dp	Clong. Cond.	N.edge (NTB) ✓	—	346.9	✓
4	— 29	3	51	Dc	Clong. Cond.	N.edge (NTB) ✓	—	349.3	✓
5	— 29	3	56	Df	Clong. Cond.	N.edge (NTB) ✓	—	352.3	✓
6	— 29	4	04	Df	LF #2	E2 ✓	67.4	✓	
7	— 29	4	21	Wp	Nodule	E2 ✓	77.8	✓	E. of L.F. #2 and W. of Bright Oval
8	— 29	4	36	Wf	Nodule	E2 ✓	86.9	✓	Idem.
9	— 29	4	36	Wp	Bright Oval	E2 ✓	86.9	✓	See Illus.
10	— 29	4	36	Dp	RSH-	STr2 ✓	—	16.6	See Sketch.
11	— 29	4	49	Dp	Column	SSTe2	—	24.4	
12	— 29	4	49	Dc	RSH-	STr2 ✓	—	24.4	✓
13	— 29	4	51	Wc	Bright Oval	E2 ✓	96.1	✓	
14	— 29	5	02	Df	RSH-	STr2 ✓	—	32.2	See Report #10 Drawing #11
15	— 29	5	02	Wf	Bright Oval	E2 ✓	102.8	✓	
16	— 29	5	02	Dc	Column	(SSTe2) ✓	—	32.2	✓
17	— 29	5	06	Df	Column	(SSTe2) ✓	—	34.6	✓
18	— 29	5	06	Wp	White Oval	W STe2(DE) ✓	—	34.6	✓
19	— 29	5	15	Dc	Column	(STe2) ✓	—	40.1	N. of White Oval
20	— 29	5	21	Dp	Festoon	STr2 ✓	—	43.7	See Sketch
21	— 29	5	26	Wc	White Oval	W STe2(DE) ✓	—	46.7	✓
22	— 29	5	26	Dc	Festoon	STr2 ✓	—	46.7	See Sketch
23	— 29	5	31	Df	Festoon	STr2 ✓	—	49.7	See Sketch
24	— 29	5	42	Wf	White Oval	W STe2(DE) ✓	—	56.4	✓

Total Transits to-date: 219

TRANSIT OBSERVATIONS

Report No. 15
Drawing No. 16

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Root
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time: 2^h 56^m

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Jan. 31	0	07	Wf	White Oval	STeZ (FA)	✓	154°7	✓
2	— 31	0	15	Df	L.F. # 2	EZ ✓	243°9	✓	
3	— 31	0	27	Dp	LF # 3	EZ ✓	251°3	✓	
4	— 31	0	27	Wp	Gap	STB ✓	—	166°8	✓
5	— 31	0	33	Wc	Gap	STB ✓	—	170°4	✓
6	— 31	0	38	Wf	Gap	STB ✓	—	173°5	✓
7	— 31	0	45	Dc	LF # 3	EZ ✓	262°2	✓	
8	— 31	0	52	Df	LF # 3	EZ ✓	266°5	✓	
9	— 31	1	01	Wc	Nodule #3	N. edge NEB ✓	—	187°4	✓
10	— 31	1	06	Dp	LF # 4	EZ ✓	275°1	✓	
11	— 31	1	09	Wf	Nodule #3	N. edge NEB ✓	—	192°2	✓
12	— 31	1	09	Wp	Nodule #4	N. edge NEB ✓	—	192°2	✓
13	— 31	1	29	Dc	LF # 4	EZ ✓	289°1	✓	
14	— 31	1	34	Wf	Nodule #5*	N. edge NEB ✓	—	207°3	*Several Nodules Not Accounted For
15	— 31	1	48	Df	LF # 4	EZ ✓	300°7	✓	
16	— 31	1	53	Dc	J II Sh.	N. edge SEB ✓	—	218°8	✓
17	— 31	1	59	Dp	LF # 5	EZ ✓	307°4	✓	See sketch
18	— 31	2	06	Dc	J I Sh.	N.E. of I Sh. ✓	—	226°6	See sketch
19	— 31	2	18	Wf	Gap	STB ✓	—	233°9	See sketch
20	— 31	2	28	Dc	LF # 5	EZ ✓	325°1	✓	See sketch
21	— 31	2	42	Wp	White Oval	STeZ (BC) ✓	—	248°4	Not on sketch
22	— 31	2	55	Df	LF # 5	EZ ✓	341°5	✓	See sketch
23	— 31	2	55	Wc	White Oval	STeZ (BC) ✓	—	256°2	Not on sketch
24	— 31	3	03	Wf	White Oval	STeZ (BC) ✓	—	261°1	Not on sketch
25	— 31	3	03	Dp	LF # 6	EZ ✓	346°3	✓	Not on sketch

ASSOCIATION OF LUNAR AND PLANETARY OBSERVERS

Total Transits To-date: 244

TRANSIT OBSERVATIONS

Report no. 16
Drawing no. 17

PLANET Jupiter
YEAR 1967

OBSERVER Carlos C. Rost
TELESCOPE 6-in. Catad. Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time: $1^h 40^m$

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Feb. 4	1	46	Dc	Section	NEBN ✓	—	96°1	✓ Belt section
2	—	4	1 59	Df	LF #1	EZ ✓	219°3	✓	
3	—	4	2 04	Dp	LF #2	EZ ✓	222°3	✓	
4	—	4	2 08	Df	Section	NEBN ✓	—	109°3	✓
5	—	4	2 08	Wp	Bay	N. edge NEBN ✓	—	109°3	✓
6	—	4	2 15	Wc	Bay	N. edge NEBN ✓	—	113°6	✓
7	—	4	2 20	Dc	LF #2	EZ ✓	232°1	✓	
8	—	4	2 23	Wf	Bay	N. edge NEBN ✓	—	118°4	✓
9	—	4	2 23	Dp	Section	NEBN ✓	—	118°4	✓
10	—	4	2 38	Df	LF #2	EZ ✓	243°1	✓	
11	—	4	2 43	Dp	LF #3	EZ ✓	246°1	✓	
12	—	4	2 46	Dp	Elong. Cond.	N. edge NEBN ✓	—	132°3	✓ See drawing
13	—	4	2 53	Dc	Elong. Cond.	N. edge NEBN ✓	—	136°5	✓ See drawing
14	—	4	3 00	Df	Elong. Cond.	N. edge NEBN ✓	—	140°8	✓
15	—	4	3 16	Wf	White Oval	5 Te Z (FA) ✓	—	150°5	✓ Not on drwg. See note #3
16	—	4	3 26	Df	LF #3	EZ ✓	272°3	✓	
17	—	4	3 26	Dp	LF #4	EZ ✓	272°3	✓	Not on drwg.
				Total Transits to-date: 261					
				* Clouds prevented observation of <u>Wp</u> and <u>Wc</u> of White Oval					

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TRANSIT OBSERVATIONS

Report no. 17

Drawing no. 18

PLANET JupiterOBSERVER Carlos C. RostYEAR 1967TELESCOPE 6-in. Catadioptric Refl.LOCATION Santurce, Puerto RicoTotal Observing Time: 1^h 24^m

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Feb. 5	3	12	Wf	Bay	N. edge NEB ₀	✓	298°.4	✓
2	—	5	3 18	Df	LF #3	EZ ✓	65°.4	✓	
3	—	5	3 18	Dp	LF #4	EZ ✓	65°.4	✓	
4	—	5	3 24	Df	Column #1	N. edge NEB ₀	✓	305°.6	✓
5	—	5	3 24	Wp	Nodule #3	N. edge NEB ₀	✓	305°.6	✓
6	—	5	3 28	Wc	Nodule #3	N. edge NEB ₀	✓	308°.0	✓
7	—	5	3 31	Dc	LF #4	EZ ✓	73°.3	✓	
8	—	5	3 35	Wf	Nodule #3	N. edge NEB ₀	✓	312°.3	✓
9	—	5	3 35	Wp	Nodule #4	N. edge NEB ₀	✓	312°.3	✓
10	—	5	3 41	Df	LF #4	EZ ✓	79°.4	✓	
11	—	5	3 41	Dp	Bridge	EZ ✓	79°.4	✓	See dwg.
12	—	5	3 45	Wc	Nodule #4	N. edge NEB ₀	✓	318°.3	✓
13	—	5	3 50	Dc	Bridge	EZ ✓	84°.9	✓	
14	—	5	3 55	Wf	Nodule #4	N. edge NEB ₀	✓	324°.3	✓
15	—	5	3 55	Dp	Column #2	N. edge NEB ₀	✓	324°.3	✓
16	—	5	3 57	Df	Bridge	EZ ✓	89°.2	✓	
17	—	5	3 57	Dp	LF #5	EZ ✓	89°.2	✓	
18	—	5	4 08	Df	Column #2	N. edge NEB ₀	✓	332°.2	✓
19	—	5	4 08	Wp	Nodule #5	N. edge NEB ₀	✓	332°.2	✓
20	—	5	4 08	Dp	Clang. Cond.	S. edge (SSTB)	✓	332°.2	See dwg.
21	—	5	4 14	Dc	LF #5	EZ ✓	99°.5	✓	
22	—	5	4 14	Dc	Clang. Cond.	S. edge (SSTB)	✓	335°.9	✓
23	—	5	4 21	Df	Clang. Cond.	S. edge (SSTB)	✓	340°.1	✓
24	—	5	4 21	Wf	Nodule #6	N. edge NEB ₀	✓	340°.1	✓
25	—	5	4 36	Df	LF #5	EZ ✓	112°.9	✓	

ASSOCIATION OF LUNAR AND PLANETARY OBSERVERS

Total Transits to-date: 286

TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Root
TELESCOPE 6-in. Catad. Refl.
LOCATION Santurce, P. R.

Total Observing Time: $0^h 56^m$

No.	Date (UT)	Hr.	U.T. Min.	Key Object	Location	CM 1	CM 2	Remarks
1	Feb. 5	5	21	(Dp)-RSH	STrZ ✓	—	16° 3'	Very close agreement - See Report #14
2	—	5	24	Dp Column	(SSTeZ) ✓	—	18° 1'	✓
3	—	5	34	(Dc)-RSH	STrZ ✓	—	24° 1'	Very close agreement
4	—	5	34	Dc Column	(SSTeZ) ✓	—	24° 1'	✓
5	—	5	45	Df Column	(SSTeZ) ✓	—	30° 8'	✓
6	—	5	45	Wp White Oval	(SSTeZ)(DE) ✓	—	30° 8'	SEE SPECIAL SKETCH ON DWG. NO. 18
7	—	5	53	Df RSH	STrZ ✓	—	35° 6'	✓
8	—	5	53	Dp Column	STeZ ✓	—	35° 6'	✓
9	—	5	6 00	Wc White Oval	(SSTeZ)(DE) ✓	—	39° 9'	✓
10	—	5	6 08	Df Column	STeZ ✓	—	44° 7'	✓
11	—	5	6 17	Wf White Oval	(SSTeZ)(DE) ✓	—	50° 2'	✓
12	—	5	6 17	Df Festoon	STrZ ✓	—	50° 2'	✓

Total Transits to-date: 298

Actual (Total) Working Time - (Report no. 17 plus Report no. 18) in a single observing session: $3^h 05^m$

Note: In reference to the RSH - Compare its CM-(2) longitudes, the Preceding, Center and Following on this Report to those on Report no. 14. (Dp and Dc agree very closely) There is a difference of $3^{\circ} 4'$ between both the Df RSH on this Report and Report no. 14, which see. This difference is due to Personal Equation.

TRANSIT OBSERVATIONS

Report No. 19

Drawing No. 19

PLANET Jupiter

OBSERVER Carlos E. Rost

YEAR 1967

TELESCOPE 6-in. Catadioptric Reflector

LOCATION Santurce, Puerto Rico

Total Observing Time: 1^h34^m

No.	Date (UT)	Hr.	U.T. Min	Key	Object	Location	CM 1	CM 2	Remarks
1	Feb. 19	3	26	Wf	White Oval	STeZ (BC)	—	251.5	✓
2	— 19	3	26	Wf	Nodule #5	N. edge NEB	✓	251.5	✓
3	— 19	3	26	Wp	Bright Oval	EZ ✓	121.8	✓	See Slugg.
4	— 19	3	36	Wf	Bright Oval	EZ ✓	127.8	✓	
5	— 19	3	40	Wp	Nodule #6	N. edge NEB	✓	260.0	✓
6	— 19	3	47	Wc	Nodule #6	N. edge NEB	✓	264.2	✓
7	— 19	3	55	Wf	Nodule #6	N. edge NEB	✓	269.0	✓
8	— 19	3	55	Wp	Nodule #7	N. edge NEB	✓	269.0	✓
9	— 19	4	00	Dp	LF	EZ ✓	142.5	✓	Small
10	— 19	4	04	Wc	Nodule #7	N. edge NEB	✓	274.5	✓
11	— 19	4	15	Wf	Nodule #7	N. edge NEB	✓	281.2	✓
12	— 19	4	15	Wp	Gap	NEBN ✓	—	281.2	✓
13	— 19	4	15	Dc	LF	EZ ✓	151.6	✓	See Transit #9
14	— 19	4	21	Wc	Gap	NEBN ✓	—	284.8	✓
15	— 19	4	27	Wf	Gap	NEBN ✓	—	288.4	✓
16	— 19	4	27	Wp	Nodule #8	N. edge NEB	✓	288.4	✓
17	— 19	4	30	Df	LF	EZ ✓	160.8	✓	See Transit #9
18	— 19	4	32	Dc	Rod	SSTeZ	✓	291.4	N. edge of SPR
19	— 19	4	35	Dp	LF	EZ ✓	163.8	✓	Large
20	— 19	4	43	Wc	Nodule #8	N. edge NEB	✓	298.1	✓
21	— 19	4	43	Df	Rod	SSTeZ	✓	298.1	See Transit #18
22	— 19	4	52	Wf	Nodule #8	N. edge NEB	✓	303.5	✓
23	— 19	4	52	Wp	Nodule #9	N. edge NEB	✓	303.5	✓
24	— 19	5	00	Dc	LF	EZ ✓	179.1	✓	See Transit #19

Total Transits to-date: 322

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TRANSIT OBSERVATIONS

Report No. 20
Drawing No. 20

PLANET Jupiter
YEAR 1967

OBSERVER Carlos C. Root
TELESCOPE 6-in. Catadioptric Reflector
LOCATION Santurce, Puerto Rico

Total Observing Time: 0^h 43^m

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Feb. 22	4	47	Wp	White oval	STeZ(DF) ✓	—	31°.4 ✓	
2	—	22	4 47	Dc	RSH	STrZ ✓	—	31°.4 ✓	
3	—	22	4 47	Df	Column	(SSTeZ) ✓	—	31°.4 ✓	
4	—	22	4 55	Dc	LF #3	EZ ✓	289.8	—	See dwg.
5	—	22	4 59	Df	RSH	STrZ ✓	—	38°.7 ✓	
6	—	22	4 59	Wc	White oval	STeZ(DF) ✓	—	38°.7 ✓	
7	—	22	4 59	Dp	Column	(STeZ) ✓	—	38°.7 ✓	
8	—	22	5 05	Dc	Column	(STeZ) ✓	—	42°.2 ✓	
9	—	22	5 08	Wf	White oval	STeZ(DF) ✓	—	44°.0 ✓	
10	—	22	5 11	Df	Column	(STeZ) ✓	—	45°.8 ✓	
11	—	22	5 11	Dp	Column	STRZ ✓	—	45°.8 ✓	E. of White oval
12	—	22	5 21	Dc	Column	STRZ ✓	—	51°.9 ✓	Idem
13	—	22	5 30	Df	Column	STRZ ✓	—	57°.3 ✓	Idem
Total Transits to-date:						335			



TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Root
TELESCOPE 6-in. Catadioptric Refl.

Total Observing Time: 2^h23^m

LOCATION Santurce, Puerto Rico

No.	Date (UT)	Hr.	U. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Feb. 23	1	21	Df	Festoon	N. edge SEBs	✓	57:2	See dwg.
2	— 23	1	30	Dc	LF #3	E2 ✓	322:9	✓	
3	— 23	1	47	Wf	Module #7	N. edge NEB#	✓	72:9	✓
4	— 23	1	53	Df	LF #3	E2 ✓	336:9	✓	
5	— 23	1	53	Dp	Column #1	E2 ✓	336:9	✓	
6	— 23	1	53	Wc	Bay #1	N. edge NEB#	✓	76:5	See dwg.
7	— 23	2	00	Wf	Bay #1	N. edge NEB#	✓	80:7	✓
8	— 23	2	00	Wp	Module #8	N. edge NEB#	✓	80:7	✓
9	— 23	2	03	Dc	Column #1	E2 ✓	343:0	✓	
10	— 23	2	03	Dc	I. Sh.	N. edge SEBs	✓	82:5	✓
11	— 23	2	07	Wc	Module #8	N. edge NEB#	✓	84:9	✓
12	— 23	2	10	Wf	Module #8	N. edge NEB#	✓	86:7	✓
13	— 23	2	10	Wp	Module #9	N. edge NEB#	✓	86:7	✓
14	— 23	2	15	Df	Column #1	E2 ✓	350:3	✓	
15	— 23	2	15	Dp	LF #4	E2 ✓	350:3	✓	
16	— 23	2	17	Wc	Module #9	N. edge NEB#	✓	91:0	✓
17	— 23	2	26	Dc	LF #4	E2 ✓	357:1	✓	
18	— 23	2	29	Wf	Module #9	N. edge NEB#	✓	98:2	✓
19	— 23	2	29	Wp	Bay #2	N. edge NEB#	✓	98:2	See dwg.
20	— 23	2	35	Wc	Bay #2	N. edge NEB#	✓	101:9	✓
21	— 23	2	35	Df	LF #4	E2 ✓	2:5	✓	
22	— 23	2	35	Dp	Column #2	E2 ✓	2:5	✓	
23	— 23	2	45	Dc	Column #2	E2 ✓	8:6	✓	
24	— 23	2	47	Wf	Bay #2	N. edge NEB#	✓	109:1	✓



TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Rost
TELESCOPE 6-in. Catad. Refl.
LOCATION Santurce, Puerto Rico

No.	Date (UT)	U.T.	Object	Location	CM 1	CM 2	Remarks
25	Feb. 23	2 47	Wp Nodule #10	N. edge NEB _N	✓	109°1	✓
26	— 23	2 53	Dp Column	SSTeZ	✓	112°7	Not on dwg
27	— 23	2 54	Wc Nodule #10	N. edge NEB _N	✓	113°3	✓
28	— 23	2 56	Df Column #2	EZ	✓	15°3	✓
29	— 23	2 56	Dp-LF # 5	EZ	✓	15°3	Not on dwg
30	— 23	3 00	Wf Nodule #10	N. edge NEB _N	✓	117°0	✓
31	— 23	3 00	Dc Column	SSTeZ	✓	117°0	the Transit no. 26
32	— 23	3 09	Dc Elong. Cond.	S. edge STB	✓	122°4	Not on dwg
33	— 23	3 11	Df Elong. Cond.	S. edge STB	✓	123°6	✓
34	— 23	3 14	Dp Elong. Cond.	N. edge NEB _N	✓	125°5	Not on dwg
35	— 23	3 14	Df Column	SSTeZ	✓	125°5	✓
36	— 23	3 14	Wp-White Oval	SSTeZ(FA)	✓	125°5	✓
37	— 23	3 17	Dc Elong. Cond.	N. edge NEB _N	✓	127°3	Transit # 34
38	— 23	3 17	Dc-LF # 5	EZ	✓	28°1	Not on dwg
39	— 23	3 22	Df Elong. Cond.	N. edge NEB _N	✓	130°3	✓
40	— 23	3 29	Wc-White Oval	SSTeZ(FA)	✓	134°5	✓
41	— 23	3 29	Dc Vertical and narrow Column	SSTeZ	✓	134°5	N. of the white oval
42	— 23	3 33	Df-LF # 5	EZ	✓	37°8	✓
43	— 23	3 44	Wf-White Oval	SSTeZ(FA)	✓	143°6	✓
Total Transits To-date:				378			

TRANSIT OBSERVATIONS

Drawing No. 22
(SKETCH)

PLANET

Jupiter

OBSERVER

Carlos E. Rost

YEAR

1967

TELESCOPE

6-in. Catadioptric Refl.

LOCATION

Santurce, Puerto Rico

Total Observing Time: 1^h 05^m

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	Feb. 25	1	49	Dp	Column	SSTe2	✓	14.7	See SKETCH
2	— 25	1	49	Dp	RSH	STr2	✓	14.7	See Sketch
3	— 25	1	56	Wp	Oval of RSH	STr2	✓	18.9	White Portion of RSH
4	— 25	1	56	Dc	Column	SSTe2	✓	18.9	✓
5	— 25	2	00	Df	Column	SSTe2	✓	21.3	✓
6	— 25	2	00	Wp	White Oval (DE)	STe2	✓	21.3	✓
7	— 25	2	03	Wc	Oval of RSH	STr2	✓	23.1	White Portion of RSH
8	— 25	2	03	Dc	RSH	STr2	✓	23.1	✓
9	— 25	2	10	Dp	Column	STe2	✓	27.3	✓
10	— 25	2	12	Wf	Oval of RSH	STr2	✓	28.6	Transits no. 3 and 7
11	— 25	2	15	Wc	White Oval (DE)	STe2	✓	30.4	✓
12	— 25	2	23	Df	RSH	STr2	✓	35.2	✓
13	— 25	2	27	Dc	Column	STe2	✓	37.6	✓
14	— 25	2	30	Wf	White Oval (DE)	STe2	✓	39.4	✓
15	— 25	2	30	Dp	Column	SSTe2	✓	39.4	East of the White Oval (DE)
16	— 25	2	37	Dc	Column	SSTe2	✓	43.7	✓
17	— 25	2	45	Df	Column	STe2	✓	48.5	✓
18	— 25	2	48	Dp	Zestoon	STr2	✓	50.3	✓
19	— 25	2	51	Dc	Zestoon	STr2	✓	52.1	✓
20	— 25	2	54	Df	Zestoon	STr2	✓	53.9	✓
Total Transits to-date:						398			

TRANSIT OBSERVATIONS

Report No. 23
Drawing No. 23

PLANET Jupiter

OBSERVER Carlos E. Root

YEAR 1967

TELESCOPE 6-in. Catadioptric Refl.

Total Observing Time: 2^h 07^m

LOCATION Santurce, Puerto Rico

No.	Date (UT)	Hr	U.T. Min	Key	Object	Location	CM 1	CM 2	Remarks
1	March 4	3	38	Dp	LF #3	E2 ✓	22.0	✓	
2	—	4	38	Wf	Nodule #3	N. edge NEB ✓	52.5	✓	
3	—	4	38	Df	Column	STe2 ✓	52.5	✓	
4	—	4	59	Dc	LF #3	E2 ✓	34.8	✓	
5	—	4	09	Wf	Nodule #4	N. edge NEB ✓	71.2	✓	Wp and Dc not taken
6	—	4	12	Df	LF #3	E2 ✓	42.7	✓	
7	—	4	12	Dp	Rod	E2 ✓	42.7	✓	S. edge of NEB5
8	—	4	20	Wp	Nodule #5	N. edge NEB ✓	77.9	✓	
9	—	4	23	Dp	Elong. Cond	NEBN ✓	79.7	✓	W. of Nodule #5
10	—	4	30	Wc	Nodule #5	N. edge NEB ✓	83.9	✓	
11	—	4	33	Dc	Elong. Cond.	NEBN ✓	85.7	✓	
12	—	4	35	Wf	Nodule #5	N. edge NEB ✓	87.0	✓	
13	—	4	35	Wp	Bay	N. edge NEB ✓	87.0	✓	
14	—	4	37	Df	Elong. Cond.	NEBN ✓	88.2	✓	see - Transit #11
15	—	4	37	Dc	Rod	E2 ✓	58.0	✓	see - Transit #7
16	—	4	42	Wc	Bay	N. edge NEB ✓	94.8	✓	see - Transit #13
17	—	4	58	Wf	Bay	N. edge NEB ✓	100.9	✓	
18	—	4	58	Wp	Nodule #6	N. edge NEB ✓	100.9	✓	
19	—	4	503	Df	Rod	E2 ✓	73.8	✓	see Transit #7
20	—	4	503	Dp	Column	SSTe2 ✓	103.8	✓	Phot on dwg.
21	—	4	522	Dc	Column	SSTe2 ✓	115.3	✓	
22	—	4	535	Df	Column	SSTe2 ✓	123.2	✓	
23	—	4	535	Wp	White Oval	SSTe2 (FA) ✓	123.2	✓	
24	—	4	545	Wc	White Oval	SSTe2 (FA) ✓	129.2	✓	
25	—	4	545	Dc	Vertical Feature	STe2 ✓	129.2	✓	W. of White Oval See Sketch

ASSOCIATION OF LUNAR AND PLANETARY OBSERVERS

Total Transits to-date: 423

TRANSIT OBSERVATIONS

Report No. 24
Drawing No. 24

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Rosst
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time: $0^h 44^m$

No.	Date (UT)	Hr.	U.T. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	March 17	1	21	Wc	White Oval	STe 2 (FA)	✓	122.7	✓
2	— 17	1	21	Df	LF # 1	E 2 ✓	190.7	✓	see dwg.
3	— 17	1	28	Dp	LF # 2	E 2 ✓	195.0	✓	see dwg.
4	— 17	1	32	Wf	White Oval	STe 2 (FA)	✓	129.3	✓
5	— 17	1	44	Dc	LF # 2	E 2 ✓	204.7	✓	
6	— 17	1	44	Dp	Festoon	*N. edge (NTB)	✓	136.6	*See Dwg.
7	— 17	1	52	Dc	Festoon	N. edge (NTB)	✓	141.4	Transit # 6
8	— 17	1	59	Df	Festoon	N. edge (NTB)	✓	145.7	Transit # 6
9	— 17	2	05	Df	LF # 2	E 2 ✓	217.5	✓	

Total Transits to-date = 432

Report No. 25
Drawing No. 25

TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Root
TELESCOPE 6-in. Catadioptric Reflector
LOCATION Santurce, Puerto Rico

Total Observing Time: 0^h38^m

No.	Date (UT)	U.T. Hr. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	March 23	0 32	Dc	LF #2	EZ ✓	27.7	✓	
2	— 23	0 41	Df	Column	STeZ ✓	—	279.7	F. of the R. SH - See drawing
3	— 23	0 54	Wf	Module #3	N. edge NEB ✓	✓	287.5	✓
4	— 23	0 54	Wp	Bay #2	N. edge NEB ✓	✓	287.5	✓
5	— 23	1 01	Df	LF #2	EZ ✓	45.4	✓	
6	— 23	1 01	Dp	Column	EZ ✓	45.4	✓	
7	— 23	1 05	Wc	Bay #2	N. edge NEB ✓	✓	294.2	✓
8	— 23	1 05	Dc	Column	EZ ✓	47.8	✓	
9	— 23	1 10	Df	Column	EZ ✓	50.9	✓	
10	— 23	1 10	Dp	LF #3	EZ ✓	50.9	✓	

Total Transits to-date: 442

TRANSIT OBSERVATIONS

Report No. 26
Drawing No. 26

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Rost
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, P. R.

Total Observing Time: 0^h 35^m

No.	Date (UT)	U.T. Hr. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	March 24	2 20	Wf	White Oval	STeZ (FA)	✓	129.6	✓
2	— 24	2 30	Dc	LF # 2	EZ ✓	257.5	✓	
3	— 24	2 36	Dp	Festoon	N. edge (NTB)	✓	139.3	✓
4	— 24	2 43	Dc	Festoon	N. edge (NTB)	✓	143.5	✓
5	— 24	2 51	Df	Festoon	N. edge (NTB)	✓	148.3	Difficult observations
6	— 24	2 51	Df	LF # 2	EZ ✓	270.3	✓	because of boiling
7	— 24	2 55	Dp	LF # 3	EZ ✓	272.7	✓	also difficult

Total Transits to -date: 449

TRANSIT OBSERVATIONS

PLANET Jupiter
YEAR 1967

OBSERVER Carlos E. Root
TELESCOPE 6-in. Catadioptric Refl.
LOCATION Santurce, Puerto Rico

Total Observing Time: 1^h00^m

No.	Date (UT)	U.T. Hr. Min.	Key	Object	Location	CM 1	CM 2	Remarks
1	April 10	1 25	Dp	LF #1	EZ ✓	20°1	✓	
2	— 10	1 25	Dc	Festoon	N. edge SEBs ✓	—	129°0	✓
3	— 10	1 37	Wf	Bay	NEB ✓	—	136°3	N. edge
4	— 10	1 37	Wp	Nodule #3	N. edge NEB ✓	—	136°3	✓
5	— 10	1 45	Dc	LF #1	EZ ✓	32°3	✓	
6	— 10	2 03	Df	LF #1	EZ ✓	43°3	✓	
7	— 10	2 03	Dp	Column	EZ ✓	43°3	✓	
8	— 10	2 10	Dc	Column	EZ ✓	47°6	✓	
9	— 10	2 14	Df	Column	EZ ✓	50°0	✓	
10	— 10	2 14	Dp	LF #2	EZ ✓	50°0	✓	
11	— 10	2 25	Dc	LF #2	EZ ✓	56°7	✓	
12	— 10	2 25	Dc	J-I Shadow	(SEBN) ✓	—	165°2	Corresponding latitude
<p>Total Transits to-date: 461</p>								