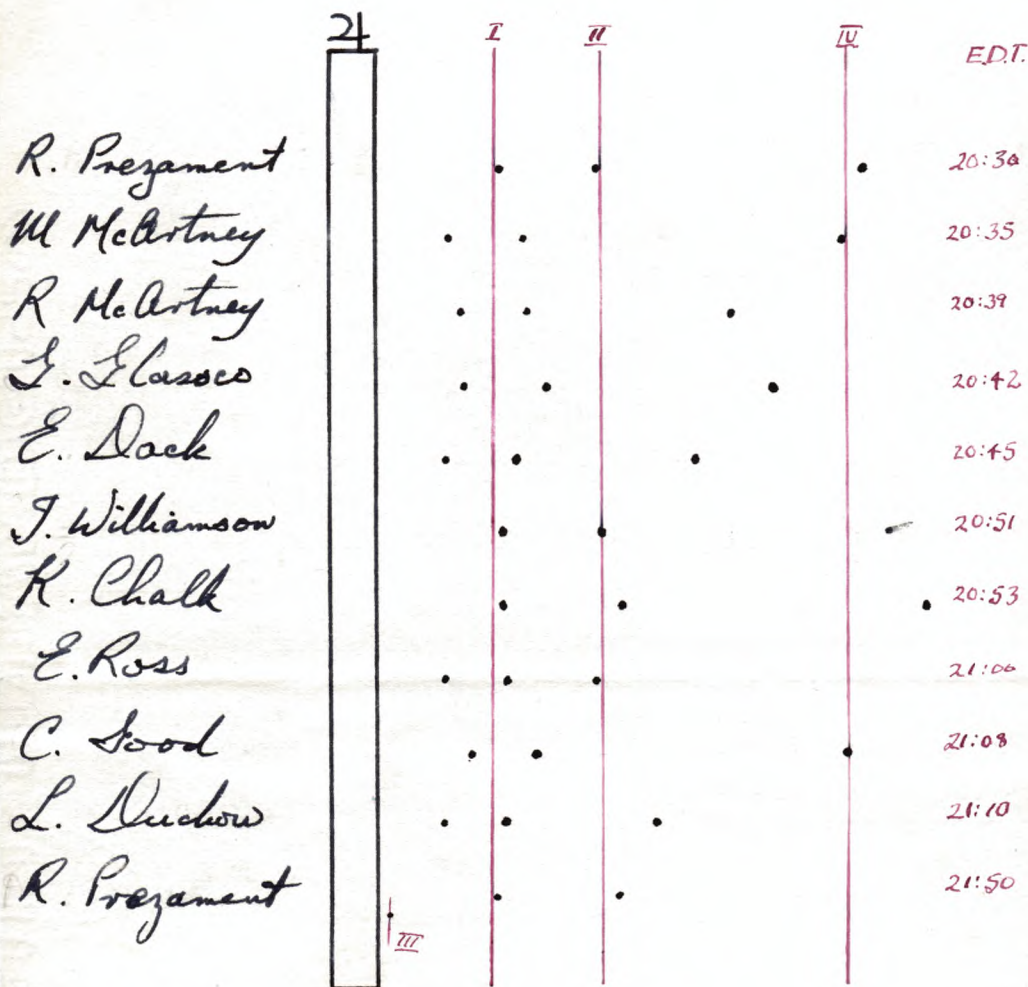


Jupiter

1963 - 1964

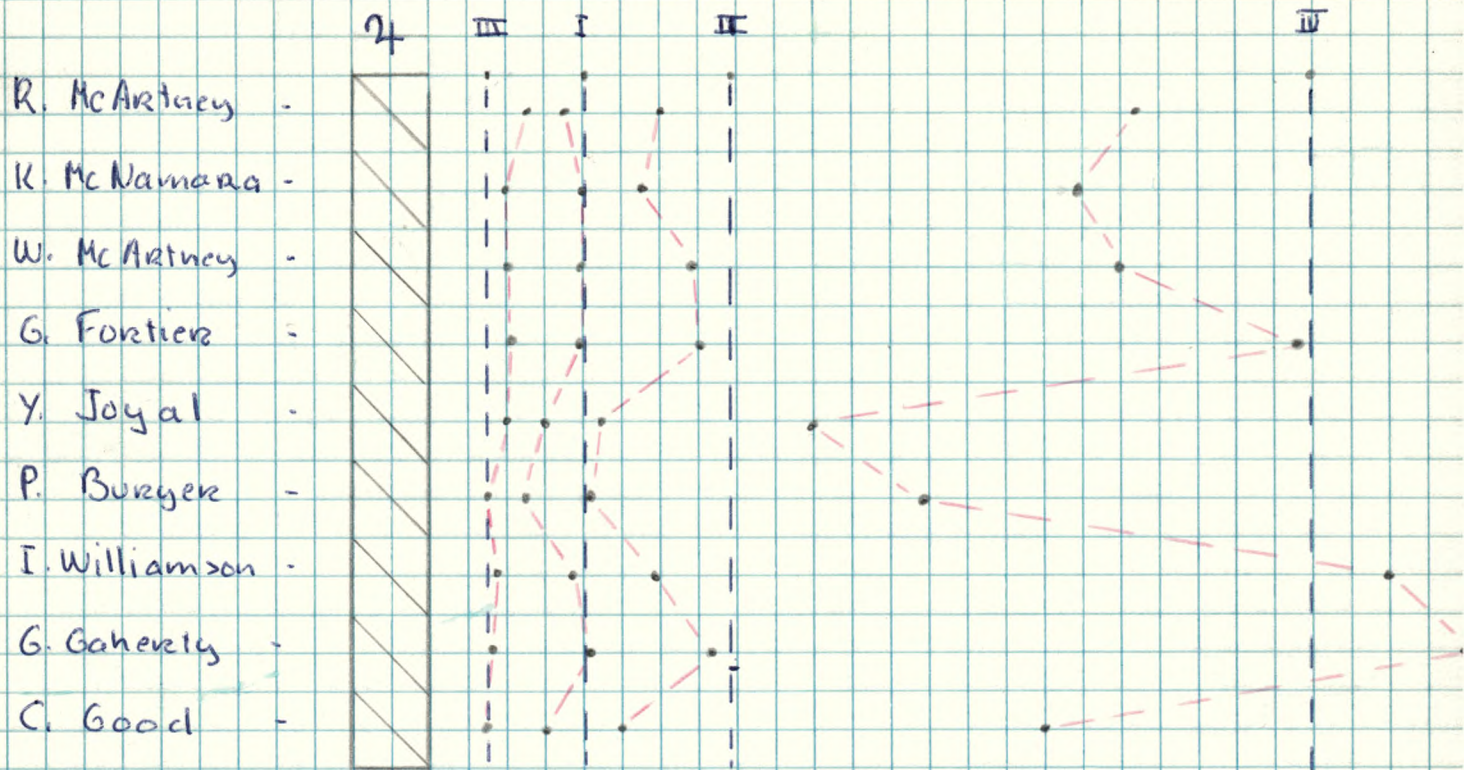
JUPITER

Satellite Plottings - October 23/24 1963.



III: predicted Eclipse Reappearance.
at 21:45 E.D.T.

Jupiter Satellite Plottings for Oct. 9, 1963



ROYAL ASTRONOMICAL SOCIETY OF CANADA
 Observation of Jovian Satellite Phenomenon

Details of Predicted Phenomenon (see Observer's Handbook):

Local: Date September 1 1963 Predicted Time 22 h 29 m Zone E.S.T.
 U. T.: Date September 2 1963 Predicted Time 03 h 29 m
 Satellite I Phenomenon E.C.D.

Details of Observation:

	<u>Local Time:</u>	<u>U.T.:</u>
1 st Contact	<u>22</u> h <u>27.3</u> m ± 0.2	<u>02</u> h <u>27.3</u> m ± 0.2
2 nd Contact	<u>22</u> h <u>29</u> m <u>18.2</u> s	<u>03</u> h <u>29</u> m <u>18.2</u> s

Record times to nearest 0.^m1 using 24-hour system.

Remarks on back of form.

Do not write in this space.

$$T_o = \frac{T_1 + T_2}{2} = \dots \text{ h } \dots \text{ m}$$

$$T_o - T_c = \dots \text{ m}$$

$$T_2 - T_1 = \dots \text{ m}$$

Telescope: Aperture	<u>8"</u> <u>f 7.7</u>	Type	<u>Reflector</u>	Power	<u>220x</u>
Seeing (0 worst-10 best)	<u>6</u>	Transparency (0 worst-5 best)	<u>4</u>		
Observer	<u>Jim Low</u>	Mailing Address:	<u>411 Buxton Ave.</u>		
Station	<u>45° 30' N; 73° 30' W.</u>		<u>St. Lambert</u>		
R.A.S.C. Centre	<u>Montreal</u>				

Planetary Form No 2

1st. contact is the approximate time the satellite began to fade (was first noted).

2nd contact is the exact instant (with ~~SW~~^{WWV} & stop-watch) the satellite could no longer be seen.

JL

WWV

~~SW~~

22h. 30m. 00^s.0 EST.

Stop-Watch

41^s.8

22h. 29m. 18^s.2

OCT - 1 1963

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Observation of Jovian Satellite Phenomenon

Details of Predicted Phenomenon (see Observer's Handbook):

Local: Date September 4/5... 19.63 Predicted Time 22 h 13 m Zone E.S.T.
 U. T.: Date September 5... 19.63 Predicted Time ... 3 h 13 m
 Satellite II..... Phenomenon Transit Ingress.....

Details of Observation:

	Local Time:	U.T.:
	h m	h m
1 st Contact
2 nd Contact	<u>22</u> h <u>12</u> m <u>3</u>	<u>3</u> h <u>12</u> m <u>3</u>

Record times to nearest 0.^m1 using 24-hour system.

Remarks on back of form.

Do not write in this space.

$$T_o = \frac{T_1 + T_2}{2} = \dots \text{ h } \dots \text{ m } \dots$$

$$T_o - T_c = \dots \text{ m } \dots$$

$$T_2 - T_1 = \dots \text{ m } \dots$$

Telescope: Aperture 6"..... Type reflector..... Power 288X.....

Seeing (0 worst-10 best) 4..... Transparency (0 worst-5 best) 2.....

Observer Glenn Myer..... Mailing Address:

Station Plattsburgh, New York, USA..... 20 South Prospect Avenue.....

R.A.S.C. Centre Plattsburgh, New York.....
 U.S.A.

Planetary Form No 2

ROYAL ASTRONOMICAL SOCIETY OF CANADA
 Observation of Jovian Satellite Phenomenon

Details of Predicted Phenomenon (see Observer's Handbook):

Local: Date September 17/18 19.63 Predicted Time 21 h 57 m Zone EST.
 U. T.: Date September 18 19.63 Predicted Time 02 h 57 m
 Satellite III Phenomenon E.C.D.

Details of Observation:

	Local Time:	U.T.
1 st Contact	<u>21</u> h <u>56</u> m <u>0</u>	<u>02</u> h <u>56</u> m <u>0</u>
2 nd Contact	<u>22</u> h <u>00</u> m <u>58s</u>	<u>03</u> h <u>00</u> m <u>58s</u>

Record times to nearest 0.1^m using 24-hour system.

Remarks on back of form.

Do not write in this space.

$$T_o = \frac{T_1 + T_2}{2} = \dots h \dots m \dots$$

$$T_o - T_c = \dots m \dots$$

$$T_2 - T_1 = \dots m \dots$$

Telescope: Aperture 8" f7.7
 Seeing (0 worst-10 best) 6+
 Observer Jim Low
 Station +45° 30' 34" +73° 30' 30"
 R.A.S.C. Centre Montreal

Type Reflector Power 220X
 Transparency (0 worst-5 best) 4
 Mailing Address:
411 Buxton Ave.
St. Lambert, P.Q.

1st contact approximate — first noted to be fading
2nd contact is last instant satellite could be seen.

Details of Observation
Local: Date: _____ Time: _____
U. S. Latitude: _____ Longitude: _____
Satellite: _____
Details of Observations
Local Time: _____
1st Contact: _____
2nd Contact: _____
Record lines to nearest 1/10 degree
Observer on back of form
Telescope: _____
Seeing (0 to 10) _____
Observer: _____
Station: _____
R. A. S. S. Catalogue _____
Planetary Form No. _____

ROYAL ASTRONOMICAL SOCIETY OF CANADA
 Observation of Jovian Satellite Phenomenon

Details of Predicted Phenomenon (see Observer's Handbook):

Local: Date October 24/25... 19.63 Predicted Time 00 h 24 m Zone EST
 U. T.: Date October 25..... 19.63 Predicted Time 05 h 24 m
 Satellite I..... Phenomenon OcD.....

Details of Observation:

Do not write in this space.

	<u>Local Time:</u>	<u>U.T.:</u>
1 st Contact	<u>00</u> h <u>20</u> m <u>30</u> s	<u>05</u> h <u>20</u> m <u>30</u> s
2 nd Contact	<u>00</u> h <u>23</u> m <u>50</u> s	<u>05</u> h <u>23</u> m <u>50</u> s

$$T_o = \frac{T_1 + T_2}{2} = \dots \text{ h } \dots \text{ m } \dots$$

$$T_o - T_c = \dots \text{ m } \dots$$

$$T_2 - T_1 = \dots \text{ m } \dots$$

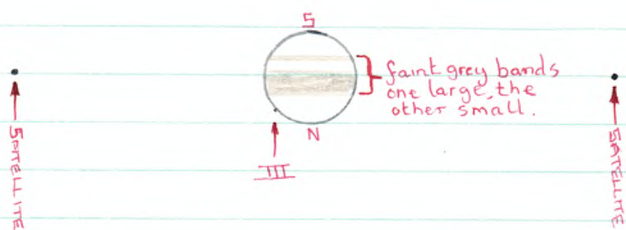
Record times to nearest 0.1^m using 24-hour system.
 Remarks on back of form.

Telescope: Aperture 8" f7.7..... Type Reflector..... Power 390x
 Seeing (0 worst-10 best) 5+..... Transparency (0 worst-5 best) 4-
 Observer Jim Low..... Mailing Address:
 Station 45° 30' N. 77° 30' W...... 411 Briston Ave.
 R.A.S.C. Centre Montreal..... St. Lambert, P.Q.

"JOVIAN SATELLITE ECLIPSE REAPPEARANCE"

SEPTEMBER 10, 1963 - 2140 E. D. T. 50x used.
3-inch refractor:-

(clear sky - milky
way faintly visible) RICK BUTT
922 14th. AVE.,
POINTE AUX TREMBLES,
Quebec.



At 2139 - nothing was visible - 2140 faint twinkle on
left side, twinkle then changed to
"solid light" or faint dot.

— Twinkie indicate thick atmosphere?

Rick Butt

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Central Meridian Transit Observations

U.T.: Date ..19. August..... 19.63 Planet ..Jupiter.....
 Telescope: Aperture ..20 cm..... Type ..reflector..... Power ..240.....
 Seeing (0 worst-10 best) ..3..... Transparency (0 worst-5 best) ..4.....
 Observer ..Geoffrey Gaherty, Jr..... Mailing Address:
 Station ..Hill Park Rd, Montreal.....
 R.A.S.C. Centre ..Montreal.....

Serial No	Description of Feature	Location	Transit Time U.T.	Longitude	
				I	II
1	Wp. oval	S edge NEB	04:30	107°	—
2	Wc oval	S edge NEB	04:44	115	—
3	Dc cond	NEBn	04:48	—	293°
4	Df sect	SEBn	05:00	125	—
5	Wf oval	S edge NEB	05:01	126	—
6	Wp oval	EZs	05:37	147	—
7	Dp sect	SEBn	05:41	150	—
8	Df proj	S edge NEB	05:45	152	—
9	Wc oval	EZs	05:48	154	—
10	Wf oval	EZs	06:02	163	—
11	Df sect	NEBn	06:12	—	344
12	Wp bay (BC)	S edge STB BC	06:25	—	352
13	Wc bay	S edge STB	06:39	—	0
14	Dp RS	STrZ	06:42	—	2
15	Wf bay	S edge STB	06:52	—	8
16	Dc RS	STrZ	07:01	—	14

JUPITER.

AUG, 27/28 1963.

FROM; 03:15 ~~to~~; 05:00 U.T.

15 cm REFRACTOR 220X. OBS: G. WEDGE.

SEEING 3-4. TRANSPARENCY 2-3. (CITY LIGHTS)

NUMBER.	U.T.	OBJECT.	C.M.	
			I.	II.
1	03:33.	P-end W oval S edge ST.B.	—	47° 161°
2	03:35	PROJ S edge SE.B.	55	48° 163°
3	03:37	FEST S edge SE.B.	56	49° 164°
4	03:39	F-end DK Rod N.T.B.	—	50° 165°
5	03:47	FEST S edge S.E.B.	62	51° 170°
6	03:49	C W oval S edge S.T.B.	—	52° 177°
7	03:51.	COL E.Z.	53° 65°	—
8	03:56	FEST S edge SE.B.	68	64° 175°
9.	04:02	F-end W oval S edge STB.	—	65° 179°
10	04:06	DK Proj N edge N.E.B.	—	66° 181°
11	04:16	NOTCH S edge SE.B.	7980	67° 187°
12.	04:24	PROJ S edge SE.B.	85	68° 192°
13	04:37	P-end W oval S edge STB.	—	69° 200°
14.	04:46	DK patch N edge N.E.B.	—	70° 206°
15.	04:48	C. W oval S edge S.T.B.	—	71° 207°
16	04:59	F-end W oval S edge ST.B.	—	72° 214° 213

Measured diameter of Jupiter.

September 2.2 U.T., 1963.

Equatorial diameter only:

Jim Low

47."45 ± 1."65 mean error of 10 measurements.

Measurements made by noting the time it takes to pass out of the field of view, and converting to seconds of arc. A stop-watch was used (tuned to 0.1 sec.), and the correction for declination was applied.

Observed Diameter:	47."45	± 1."65	(45."76 to 49."06)
Predicted Diameter:	47."64		47."64
O-P	-0."19		(-1."88 to +1."42)

8", f 7.7 reflector, 390x.

Measured diameter of Saturn.

September 2.2 U.T., 1963.

Equatorial diameter of ball:

Jim Low

15."82 ± 1."10 mean error of 10 measurements.

Diameter of outer edges of rings:

40."41 ± 1."15 mean error of 10 measurements.

Measurement made in same way as for Jupiter.

Observed Diameters:	15."82	40."41
Predicted Diameters:	18."67	42."06
O-P	-2."85	-1."65

8", f 7.7 reflector, 390x.

Date: Sep 6/7 1963 > UT. 02:56 to 05:04
Telescope: 20 cm Refl. 245x. Sec. 2-5 Trans. 4

No	Description of Feature	U.T.	I	II
12	Wf streak EZ	0256	171	203
13	Wp oval S edge NEB	0258	173	-
14	Wp oval S edge STB	0258	-	204
15	Wc oval " NEB	0308	178	-
16	Wc " " STB	0310	-	211
17	Wf " " NEB	0317	184	-
18	Wc rift in NEB	0319	-	217
19	Wf oval S edge STB	0324	-	220
20	Dc proj. " NEB	0324	189	-
21	Wp oval " NEB	0327	190	-
22	Df following end N edge NEB	0330	-	223
23	Wc oval S edge NEB	0338	197	-
24	Dp proj. " "	0353	206	-
25	Df " " "	0402	212	-
26	Wp streak EZ	0415	220	251
27	Wc large white area S edge NEB	0417	221	-
28	Wf " " " "	0437	233	-
29	Wc nodule in NEB	0442	236	267
30	Wf streak EZ	0444	237	268
31	Dc proj. S edge NEB	0448	241	-
32	Wc oval NTZ	0504	-	280

K. Brasch

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date SEPT 14/15 1963 Planet JUPITER
 Period of Observation 03:00-04:30 U.T.
 Telescope 15 cm Refractor Power 220X
 Seeing (0 worst-10 best) 2-4 Transparency (0 worst-5 best) 2
 Observer S. WEDGE

Serial No	Description of Feature	Transit Time U.T.	Longitude	
			I	II
34	P. end W oval S edge STB	03:05		331°
35	Sm P end W oval N edge NEB ^s	03:11	25°	
36	Sm C W oval N edge NEB ^s	03:14	27°	
37	C W oval S edge STB	03:14		337°
38	Sm F end W oval N edge NEB ^s	03:16	8°	
39	F end W oval S edge STB	03:23		342°
40	C Coll NEB ⁿ - NEB ^s	03:42	24°	
41	P end Bay S edge SEA	03:49		358°
42	P end R.S.	03:52		360°
43	C Bay S edge SEB ^s	03:54		1°
44	P end W oval N edge SEB ^s	03:55	32°	
45	F end Bay S edge SEB	04:00		5°
46	P end W oval S edge STB	04:02		6°
47	F end W oval N edge SEB ^s	04:04	37°	
48	C R.S.	04:10		11°
49	C W oval S edge STB	04:13		12°
50	F end W oval S edge STB	04:20		17°
51	F end R.S.	04:27		21°

Date: Sep. 15/16 1963 U.T. 03:00 - 03:52
Telescope: 20 cm Refl. 245x Sec. 0-3 Tran. 5

No	Description of Feature	U.T.	I	II
33	Wf oval S edge STB	0300	-	119
34	Wp streak EZ	0321	169	-
35	Wc " "	0330	174	-
36	Wp oval area S edge NEB	0335	177	-
37	Wf streak EZ	0338	179	-
38	Wf oval area S edge NEB	0352	189	-

Date: Sep 17, 1963 U.T. 03:08 - 03:54

Tele. 20 cm. Refl. 245x Sec 0-4 Tran. 4-5

39	Dp base feature S edge NEB	03:08	319	-
40	Of " " " "	03:18	325	-
41	Wc oval " "	0324	329	-
42	Wf " " "	0330	333	-
43	Wp oval area " "	0354	347	-

ROYAL ASTRONOMICAL SOCIETY OF CANADA
 Montreal Centre

PLANETARY OBSERVATIONS
 Central Meridian Transits

Date ..SEPT...17/18...1963... Planet JUPITER.....
 Period of Observation ...01:45 - 02:45..... U.T.
 Telescope 16 cm Refractor..... Power 220X.....
 Seeing(0 worst-10 best) ..2-3... Transparency (0 worst-5 best) .2....
 Observer G. WEDGE.....

Serial No	Description of Feature	Transit Time U.T.	Longitude	
			I	II
59	F end RS	01:59		23°
60	P end Bay S edge STB ^s	02:19		35°
61	C Bay S edge STB ^s	02:27		39°
62	F end Bay S edge STB ^s	02:35		44°
63	C col EZ	02:41	101°	

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Central Meridian Transit Observations

U.T.: Date *September 18* 19*63* Planet *Jupiter*
 Telescope: Aperture *8" f7.7* Type *Reflector* Power *220X*
 Seeing (0 worst-10 best) *8+* Transparency (0 worst-5 best) *5-*
 Observer *Jim Low* Mailing Address:
 Station *+45°30'34" 73°30'30"* *411 Buxton Ave.*
 R.A.S.C. Centre *Montreal* *St. Lambert, P.Q.*

Serial No	Description of Feature	Location	Transit Time U.T.	Longitude	
				I	II
<i>1</i>	<i>Oval (Wp)</i>	<i>EZ</i>	<i>05:17</i>	<i>195.7</i>	
<i>2</i>	<i>Oval (Wc)</i>	<i>EZ</i>	<i>05:22</i>	<i>198.7</i>	
<i>3</i>	<i>Oval (Wt)</i>	<i>EZ</i>	<i>05:26</i>	<i>201.1</i>	

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Central Meridian Transit Observations

U.T.: Date October 25 1963 Planet Jupiter
 Telescope: Aperture 8" f.7.7 Type Reflector Power 220X
 Seeing (0 worst-10 best) 5-6 Transparency (0 worst-5 best) 3-4
 Observer Jim Low Mailing Address:
 Station 45°30'N; 77°30'W 411 Buxton Avenue
 R.A.S.C. Centre Montreal St. Lambert, P.Q.

Serial No	Description of Feature	Location	Transit Time U.T.	Longitude	
				I	II
4	Wp (Module)	EZ	00:52.5	121.4	
5	Wc "	EZ	00:55.5	123.2	
6	Wf "	EZ	00:58.4	124.9	
7	Wp (Oval)	STemp Z	01:41.5		176.6
8	Wc "	STemp Z	01:54.7		184.6
9	Wf "	STemp Z	02:03.2		189.7
10	Dc (Cond)	SEB	03:22.0	212.5	237.4
11	Wc (Module)	EZ	03:24.7	214.2	
12	Wf "	EZ	03:31.5	218.3	

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter...

Local: Date July 7 1963 Time 0200 Zone EPT
 U. T.: Date 19.... Time
 Telescope: Aperture 60mm Type ZEISS REAR. Power 42x
 Seeing (0 worst-10 best) Transparency (0 worst-5 best)
 Central Meridian: I II k
 Observer Richard Jett Mailing Address:
 Station 922 14th Ave. 922 14th Avenue
 R.A.S.C. Centre MONTREAL Pointe-Aux-Trembles

Drawing:

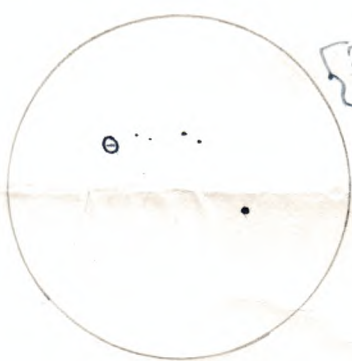
~~Intensity Estimates:~~

Clouds obscured parts of sky;
 moon shining full & bright.
 moons of JUPITER SEEMED TO
 HAVE A GOLD TINT TO THEM



Brightest moon is 1,
 second brightest is
 2, et cetera.

• star



{IMAGE WAS
 NOT INVERTED}

Observer's Remarks:



ROYAL ASTRONOMICAL SOCIETY OF CANADA

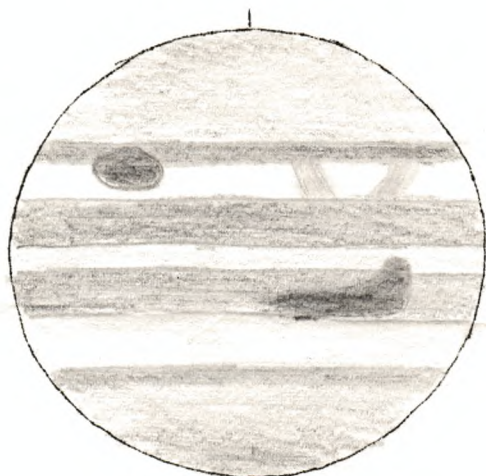
Observation of the Planet Jupiter

Local: Date . AUGUST 31/(32) 19.63 Time .. 22:36 + 10m..... Zone . E.S.T:
 U. T.: Date . SEPTEMBER 1..... 19.63 Time .. 03:36 + 10m.....
 Telescope: Aperture .. 8" f 7.7..... Type . Reflector..... Power .. 22.0x (390x TEST)
 Seeing (0 worst-10 best) .. 5..... Transparency (0 worst-5 best) .. 4+.....
 Central Meridian: I II
 Observer .. Jim Low..... Mailing Address:
 Station .. 45° 30' N. 73° 30' W. 411. Buxton Ave.....
 R.A.S.C. Centre . MONTREAL..... St. Lambert, P.Q. OR. 1-8675

Drawing:

S

Intensity Estimates:



N



Observer's Remarks:

Red spot dark with a blue filter.
 General features more distinct with
 blue than red.

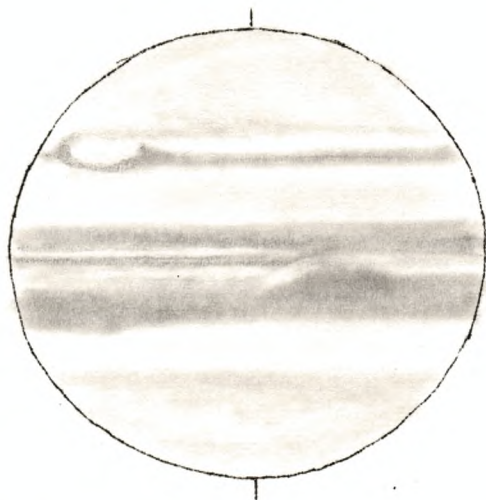
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date .SEPT. 6..... 1963 Time .00:05-00:15... Zone E.D.T...
U. T.: Date .SEPT. 7..... 1963 Time .04:05-04:15...
Telescope: Aperture .15 cm..... Type Refractor..... Power 220X...
Seeing (0 worst-10 best) ...3-4..... Transparency (0 worst-5 best) ...3.....
Central Meridian: I ...213°-230° II 244°-250°
Observer ...G. WEDGE..... Mailing Address:
Station .OBSERVATORY..... 3821 MACKENZIE ST.....
R.A.S.C. Centre .MONTREAL..... MONTREAL 26 QUE.....

Drawing:

Intensity Estimates:



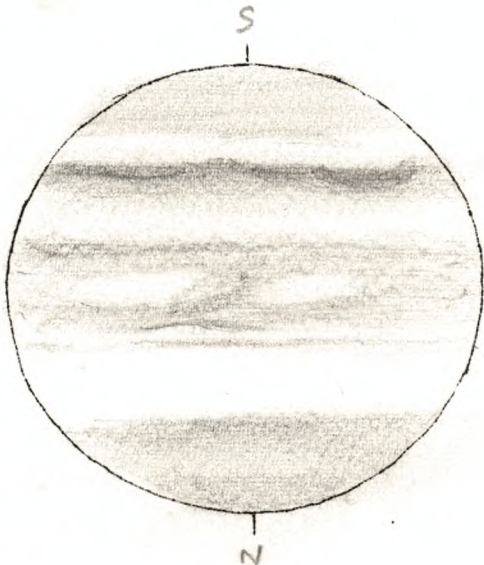
Observer's Remarks:

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date *Sept 14/15* 19*63* Time *22:40* Zone *EDT*
U. T.: Date *Sept 15* 19*63* Time *2:40*
Telescope: Aperture *6"* Type *Refractor* Power *150 X*
Seeing (0 worst-10 best) *5* Transparency (0 worst-5 best) *2.3*
Central Meridian: I *346°* II *316°*
Observer *Pita Prasadant* Mailing Address:
Station *Montreal Centre* *4601 Royal ave*
R.A.S.C. Centre *Montreal* *206*

Drawing:



Intensity Estimates:

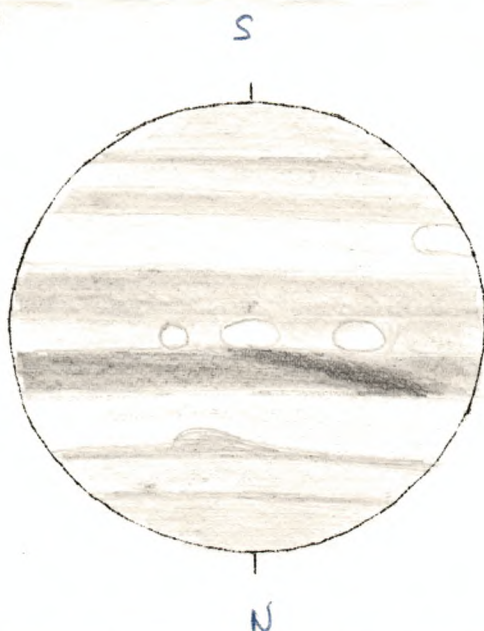
Observer's Remarks:

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date September 17/18 1963 Time 00h:15m: + 25m Zone E. S.T.
 U. T.: Date September 18 1963 Time 05h:15m: + 25m
 Telescope: Aperture 8" f 7.7 Type Reflector Power 220, 390, 780x
 Seeing (0 worst-10 best) 8+ ! (yes, 8+!) Transparency (0 worst-5 best) 5-
 Central Meridian: I 195° II 141°
 Observer Jim Low Mailing Address:
 Station +45° 30' 34" +73° 30' 30" 411 Buxton Avenue
 R.A.S.C. Centre Montreal St. Lambert, P.Q.

Drawing:



Intensity Estimates:



Observer's Remarks:

By far the best seeing conditions I have ever observed! There was no movement of the image at all at powers up to 390x, and only slight image movement could be detected at 780x. Just after this observation, I could just resolve 36 Andromedae (mag. 6.1, 6.7, dist. 0".6), with 780x.

Note: Thick fog reported a few hours later.

22101

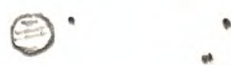
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet

Local: Date October 2 1963 Time 20.00 - 22.00 Zone E.S.T.
 U. T.: Date1.....3..... 1963 Time ...1.00.....1.00
 Telescope: Aperture ...6"..... Type Reflector... Power 220X...
 Seeing (0 worst-10 best) 7..... Transparency (0 worst-5 best) 4.....
 Central Meridian: I II k
 Observer F. J. De Kinder..... Mailing Address:
 StationMontreal Observatory.....
 R.A.S.C. CentreMontreal.....

Drawing:

Intensity Estimates:



Observer's Remarks:

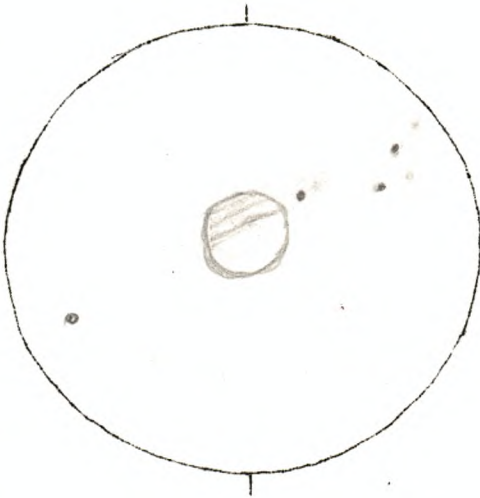
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date ... *2 oct.* 19. *63* Time ... *20:15 - 20:20* Zone *EST* ...
 U. T.: Date ... *3 oct.* 19. *63* Time ... *1:15 - 1:20* ...
 Telescope: Aperture ... *6"* Type ... *Refractor* ... Power ... *220X* ...
 Seeing (0 worst-10 best) *8* Transparency (0 worst-5 best) ... *4*
 Central Meridian: I II
 Observer *George Jayak* Mailing Address:
 Station *270 Esperance*
 R.A.S.C. Centre *Montreal* *St. Lambert*

Drawing:

Intensity Estimates:



Observer's Remarks:

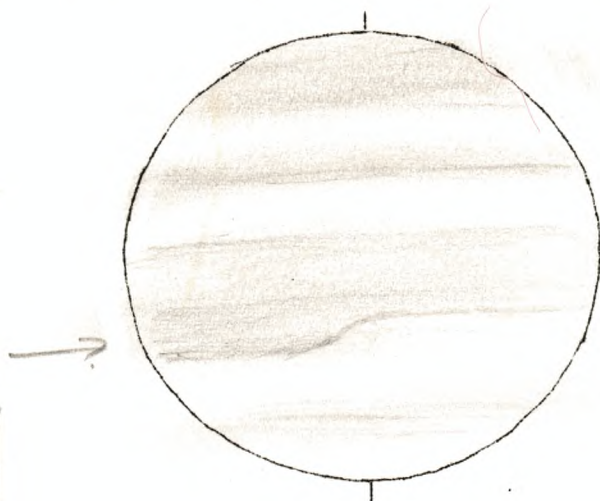
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date *Oct 2/3* 19*63* Time *21:20* Zone *EDT*
U. T.: Date *Oct 2* 19*63* Time *01:20*
Telescope: Aperture *6" Refractor* Type *REFRACTOR* Power *220*
Seeing (0 worst-10 best) *4* Transparency (0 worst-5 best) *2-3/4*
Central Meridian: I II
Observer *Lewis R. Duchow* Mailing Address:
Station *Montreal* *5047 Cavendish Blvd.*
R.A.S.C. Centre *Montreal*

Drawing:

Intensity Estimates:



Observer's Remarks:

→ This area seems to have a slight reddish tinge!

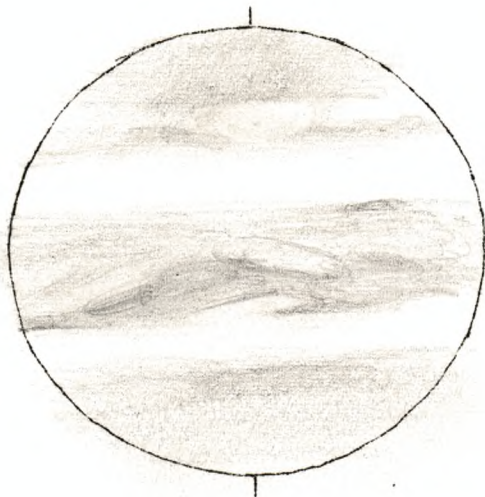
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date Oct 2/3 19⁶³ Time 21:35 Zone EDT
U. T.: Date Oct 3 19⁶³ Time 11:35
Telescope: Aperture 6" Type Refractor Power 220X
Seeing (0 worst-10 best) 3 Transparency (0 worst-5 best) 2
Central Meridian: I II
Observer Peter Freeman Mailing Address:
Station Montreal Centre 4601 Royal Ave
R.A.S.C. Centre M.A.G.

Drawing:

Intensity Estimates:



Observer's Remarks:

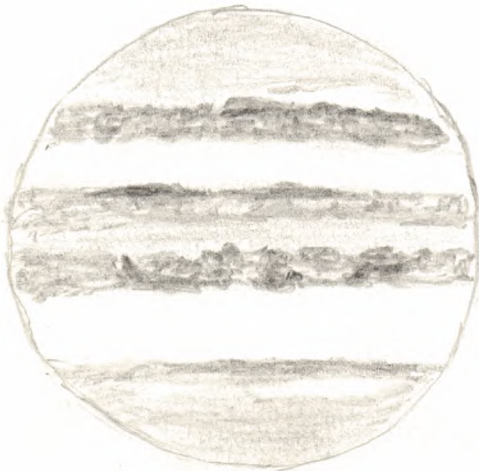
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter.

Local: Date October 9th 1963 Time 20.15-20.30 Zone E.S.T.
U. T.: Date October 10th 1963 Time 1.15-1.30
Telescope: Aperture 6" Type Reflector Power 150x
Seeing (0 worst-10 best) 7 Transparency (0 worst-5 best) 4
Central Meridian: I II k
Observer Frank J. DeKinder Mailing Address:
Station Observatory
R.A.S.C. Centre Montreal

Drawing:

Intensity Estimates:



Observer's Remarks:

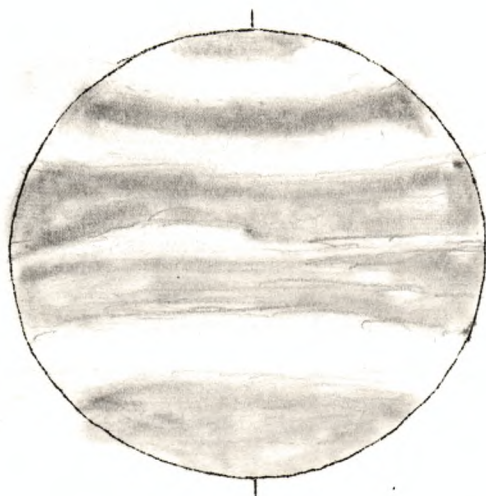
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date ... *OCT. 9/10 1963* ... 19... Time ... *22:32* ... Zone *EDT*
 U. T.: Date ... *OCT. 10, 1963* ... 19... Time ... *02:32* ...
 Telescope: Aperture ... *15 cm.* ... Type *Refractor* ... Power ... *150* ...
 Seeing (0 worst-10 best) ... *6* ... Transparency (0 worst-5 best) ... *2-3* ...
 Central Meridian: I II
 Observer ... *PETER BURGER* ... Mailing Address:
 Station ... *Montreal Guler Observatory* ... *7841 DUCHOCHER #8, Mt. 15, Que.*
 R.A.S.C. Centre ... *Montreal*

Drawing:

Intensity Estimates:



Observer's Remarks:

The division at the ends of the center bands almost became zero and was not clearly visible.

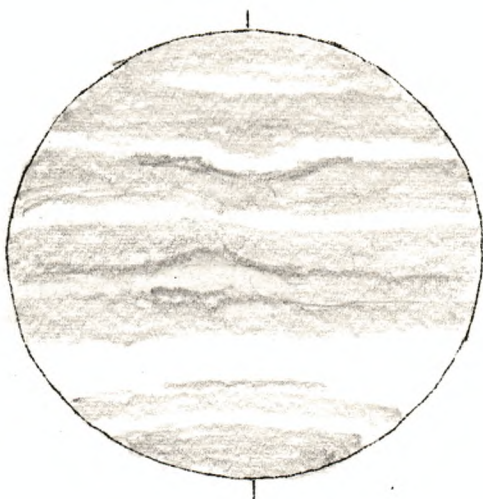
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date 9 OCT 19. 63 Time 2207 Zone EDT
U. T.: Date 10 OCT 19. 63 Time 0207
Telescope: Aperture 6 inch Type Refractor Power 150
Seeing (0 worst-10 best) 5 Transparency (0 worst-5 best) 3
Central Meridian: I II
Observer K. E. MONAMARA Mailing Address:
Station
R.A.S.C. Centre MONTREAL

Drawing:

Intensity Estimates:



Observer's Remarks:

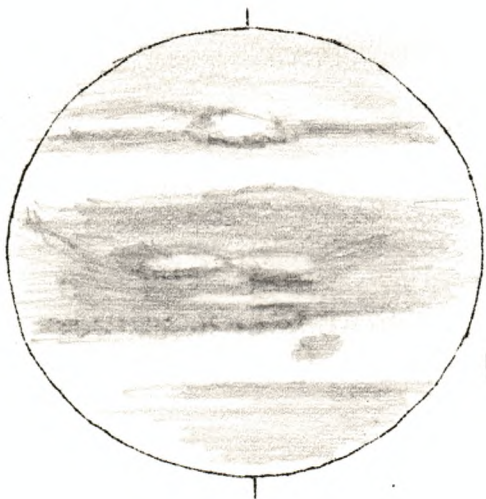
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter


Local: Date Oct 9/10 1963 Time 21:48 Zone EDT
 U. T.: Date Oct 10 1963 Time 01:48
 Telescope: Aperture 6" Refractor Type Power 150
 Seeing (0 worst-10 best) 6.5 Transparency (0 worst-5 best) 3-4
 Central Meridian: I II
 Observer Louis R. Duchaw Mailing Address:
 Station Montreal 5047 Cavendish Blvd
 R.A.S.C. Centre

Drawing:

Intensity Estimates:



Observer's Remarks:

3 orals - very bright. 
 shape of orals on Equatorial belt seem to
 change rapidly.

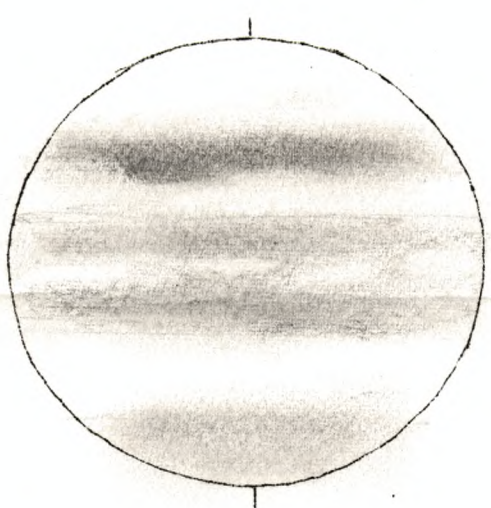
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date Oct 23/24 19. 63 Time 22:00 Zone EDT
 U. T.: Date Oct 24 19. 63 Time 3:00
 Telescope: Aperture 6" Type Refractor Power 150X
 Seeing (0 worst-10 best) 0-3 Transparency (0 worst-5 best) 1-2
 Central Meridian: I 4 II 38
 Observer Rita Prosdrom Mailing Address:
 Station Montreal Centre 4601 Royal ave NDA
 R.A.S.C. Centre 481-1733

Drawing:

Intensity Estimates:



Observer's Remarks:

System I

II

18.00
3.00

254.8
109.7
364.5

4.5

288.7
108.8
397.5

37.5



Oct 23/24/63 21:50

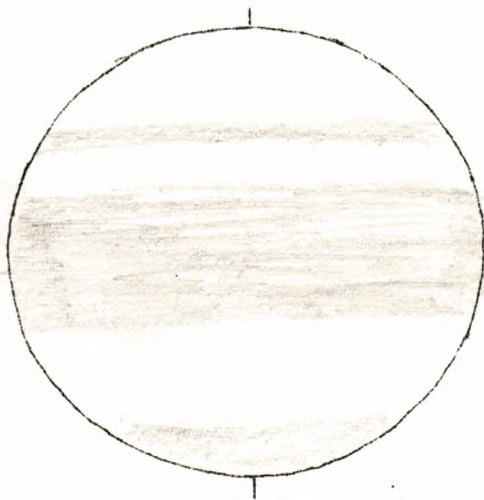
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date Oct. 23-24 1963 Time 22.20 Zone E.D.T.
 U. T.: Date Oct 24 1963 Time 2.20
 Telescope: Aperture 6" Type REFR. Power 150
 Seeing (0 worst-10 best) 5.5 Transparency (0 worst-5 best) 0.8
 Central Meridian: I 53° II 86°
 Observer REG. MC ARTNEY Mailing Address:
 Station OBSERVATORY
 R.A.S.C. Centre

Drawing:

Intensity Estimates:



Observer's Remarks:

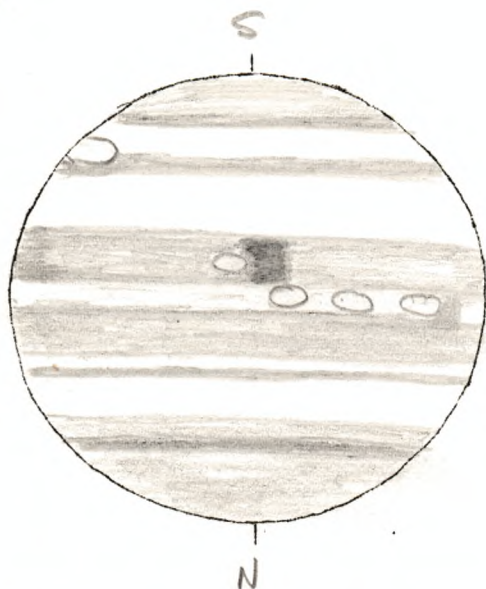
		<u>I</u>	<u>II</u>
OCT. 23	18:00	254.8	288.7
	22.20		
	4.20	158.5	157.1
		-----	-----
		413.3	445.8
		- 360	360
		-----	-----
		53.3	85.8

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date *October 24/25* 19*63* Time *22:20 + 20m* Zone *E. S. T.*
 U. T.: Date *October 25* 19*63* Time *03h:20m + 20m*
 Telescope: Aperture *8"* *f 7.7* Type *Reflector* Power *220, 390x*
 Seeing (0 worst-10 best) *6* Transparency (0 worst-5 best) *4*
 Central Meridian: I *211.3* II *236.2*
 Observer *Jim Low* Mailing Address:
 Station *45°30'N; 77°30'W* *411 Buxton Avenue*
 R.A.S.C. Centre *Montreal* *St. Lambert, P.Q.*

Drawing:



Intensity Estimates:



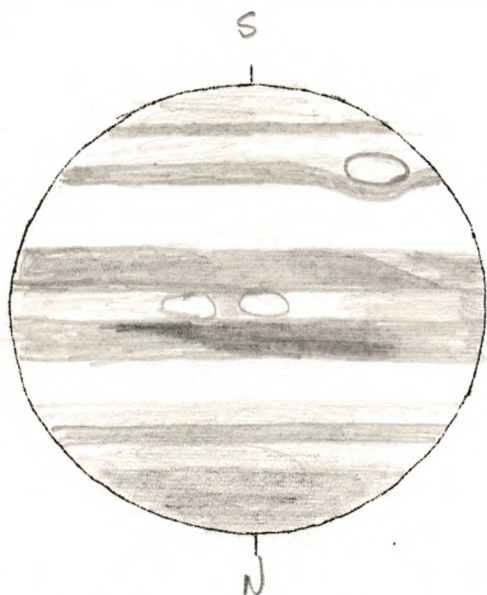
Observer's Remarks:

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date *October 24/25* 19. *63* Time *19:52 + 25* Zone *E.S.T.*
 U. T.: Date *October 25* 19. *63* Time *00h. 52m. + 25m.*
 Telescope: Aperture *8" f7.7* Type *Reflector* Power *220 X.*
 Seeing (0 worst-10 best) *6* Transparency (0 worst-5 best) *3-4*
 Central Meridian: I *121.1* II *146.7*
 Observer *Jim Low* Mailing Address:
 Station *45° 30' N; 77° 30' W.* *411 Bristol Avenue*
 R.A.S.C. Centre *Montreal* *St. Lambert, P.Q.*

Drawing:



Intensity Estimates:



Observer's Remarks:

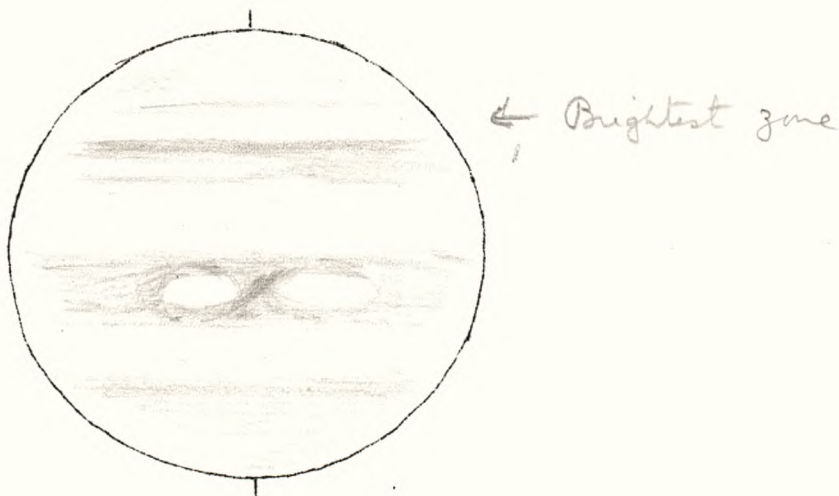
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date ... NOV 13 ... 19.63 Time ... 22.00 - 22.10 ... Zone ... E.S.T.
 U. T.: Date ... NOV 14 ... 19.63 Time ... 03.00 - 03.10 ...
 Telescope: Aperture ... 6" ... Type ... REFRACTOR ... Power ... 220X ...
 Seeing (0 worst-10 best) ... 3-4 ... Transparency (0 worst-5 best) ... 4 ...
 Central Meridian: I ... 121° ... II ... 354° ...
 Observer ... I. K. WILLIAMSON ... Mailing Address:
 Station ... CENTRE'S OBSERVATORY ... 5162 BELMORE AVE ...
 R.A.S.C. Centre ... MONTREAL ... MONTREAL 29 ...

Drawing:

CONSPICUOUSNESS
Intensity Estimates:



Observer's Remarks:

2 white ovals very definite

		<u>I</u>	<u>II</u>
NOV 13	17:00	295.2	169.2
	22:05		
	5:05	<u>186.0</u>	<u>184.3</u>
		481.2	353.5
		<u>-360.0</u>	
		121.2	

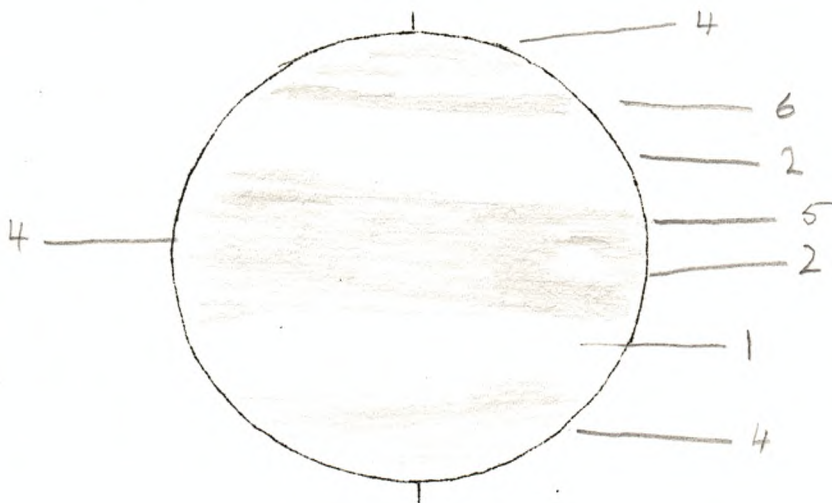
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date November 13 1963 Time 21:07 - 21:14 Zone E.S.T.
 U. T.: Date November 14 1963 Time ~~20:14~~ 2:07 - 2:14
 Telescope: Aperture 6 inches Type Refractor Power 220
 Seeing (0 worst-10 best) 3 Transparency (0 worst-5 best) 4
 Central Meridian: I 87.6 II 320.3
 Observer Howard Simkover Mailing Address:
 Station Observatory
 R.A.S.C. Centre Montreal

Drawing:

Conspicuousness
Intensity Estimates:



4:10

295.2		
79.3	I	295.2
374.5	II	169.2
169.2		
78.6		
247.8		
152.4		
2) 151.1		
374.5		
360.		
14.5		
169.2		
151.1		
320.3		

295.2	
152.4	
447.6	
360.0	
87.6	

Observer's Remarks:

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date ... 13 Nov 19.63 Time 2156 Zone ... EST
 U. T.: Date ... 14 Nov 19.63 Time 0256
 Telescope: Aperture ... 6 inch Type ... Refractor Power ... 220
 Seeing (0 worst-10 best) Transparency (0 worst-5 best)
 Central Meridian: I 114 II 349
 Observer K.E. McNAMARA Mailing Address:
 Station MONTREAL
 R.A.S.C. Centre ... MONTREAL

Drawing:

Intensity Estimates:



Observer's Remarks:

Nov 13	9:55	9:50
14 17 ⁰⁰ EST		
SYSTEM	I	II
	295.2	169.2
2156	178.4	180.3
17	<u>473.6</u>	<u>349.5</u>
4:56	- 360	360.0
	<u>113.6</u>	<u>12.5</u>
295	114.	348
<u>595</u>		
9.5		

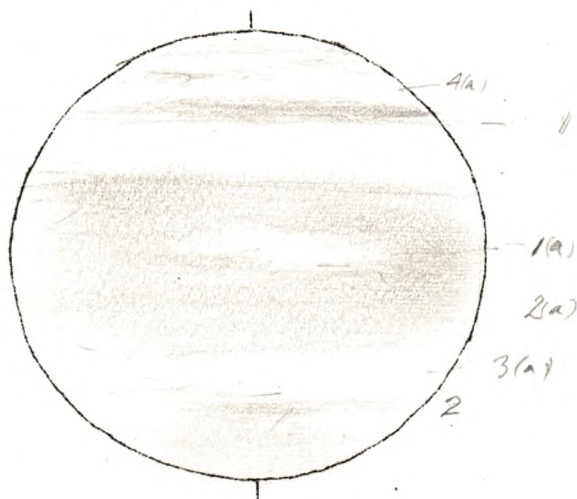
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date *Nov 13* 19*63* Time *21.10* Zone *EST*
 U. T.: Date 19.... Time *21.13*
 Telescope: Aperture *6"* Type *REFRACTOR* Power *220*
 Seeing (0 worst-10 best) *5* Transparency (0 worst-5 best)
 Central Meridian: I *100°* II *332°*
 Observer *V. RICHARDS* Mailing Address:
 Station *3839 DIXIE LACHNÉ P.Q.*
 R.A.S.C. Centre *MONTREAL*

Drawing:

CONSPICUOUS
Intensity Estimates:



Observer's Remarks:

*DARK BAND (-) was quite distinct, but did not appear to extend
 the full segment width of the planet.
 Noticeable light area 1(a).*

17-0

<i>Nov. 13/14</i>		<i>164.6</i>	
<i>17h.</i>		<i>163.2</i>	
<i>I 295.2</i>	<i>295.2</i>	<i>169.2</i>	
<i>II 169.2</i>	<i>164.6</i>	<i>163.2</i>	
	<i>459.8</i>	<i>332.4</i>	
	<i>360.0</i>	<i>360</i>	
	<i>.99.8</i>	<i>332.4</i>	
		<i>.27.6</i>	

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

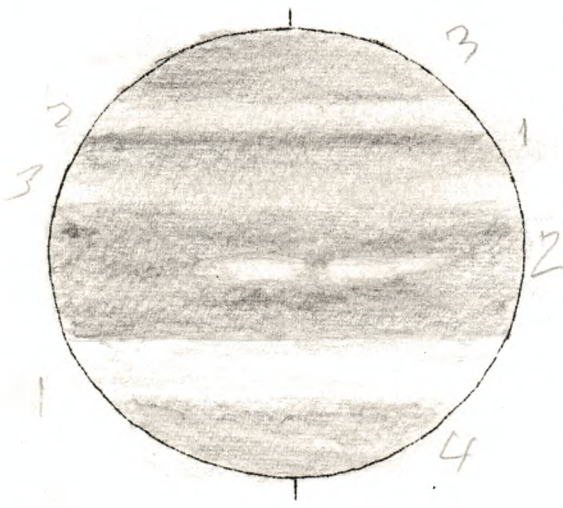
Local: Date Nov 13-14 1963 Time 21:47 Zone E.S.T
 U. T.: Date Nov 14 1963 Time

Telescope: Aperture 6 in Type refractor Power 220
 Seeing (0 worst-10 best) 2.5 Transparency (0 worst-5 best) 2.5

Central Meridian: I II

Observer Robert J. BALLANTYNE Mailing Address:
 Station OBSERVATORY 140 BALLANTYNE AVE. SOUTH
 R.A.S.C. Centre MONTREAL Mtl. West

Drawing: *conspicuous*
 Intensity Estimates:



Observer's Remarks:

	I	II
Nov. 13-17 ^h	295.2	169.2
add 4 ^h 47 ^m	175.0	173.5
	470.2	342.7
	~ 470°	~ 343°
	= 110°	=

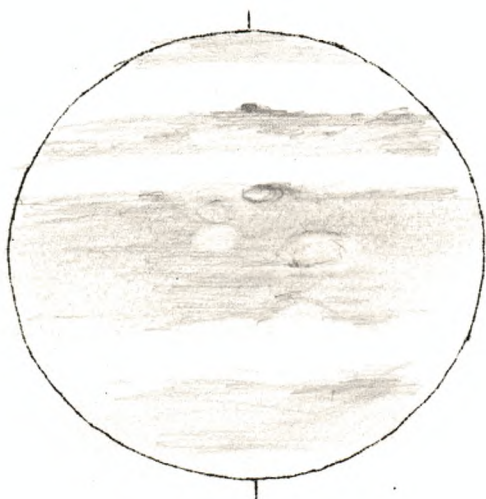
ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date Nov 13/14 1963 Time 21:30 Zone EST.
 U. T.: Date Nov 14 1963 Time 02:30
 Telescope: Aperture 26" Type REFRACTOR Power X270
 Seeing (0 worst-10 best) 2-2.5 Transparency (0 worst-5 best) 2-2.5
 Central Meridian: I II
 Observer LOUIS R. DUCHOW. Mailing Address:
 Station MONTREAL 5047 CAUENDISH
 R.A.S.C. Centre MONTREAL MONTREAL, QUE.

Drawing:

Intensity Estimates:



Observer's Remarks:

	EST	I	II
13 th 17hrs		295.2°	169.2°
		164.6	163.2
+ 4hrs 30		<u>459.8</u>	<u>332.4</u> *
		360	
Central meridian*		<u>99.8</u> °	A.H.°

ROYAL ASTRONOMICAL SOCIETY OF CANADA

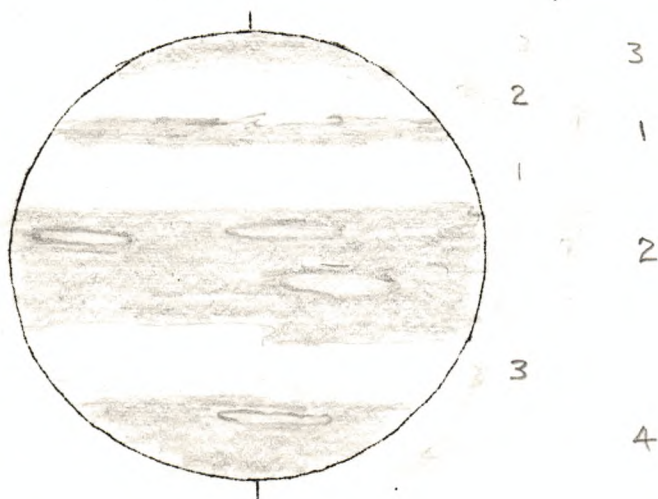
Observation of the Planet Jupiter

Local: Date .. NOV. 13 1963. Time .. 20^h 44^m - 53^m .. Zone .. EST ..
 U. T.: Date .. NOV. 14 1963. Time .. 01^h 44^m - 53^m ..
 Telescope: Aperture .. 6" .. Type .. REFRACTOR .. Power .. 220X ..
 Seeing (0 worst-10 best) .. 3-4 .. Transparency (0 worst-5 best) .. 4 ..
 Central Meridian: I .. 74° .. II .. 308° ..
 Observer .. G. L. FORTIER .. Mailing Address: ..
 Station .. OBSERVATORY ..
 R.A.S.C. Centre .. MONTREAL ..

CONSPICUOUSNESS

Drawing:

~~Intensity~~ Estimates:



Observer's Remarks:

Nov. 13/63 - 17

20^h 50^m
 - 17^m
 34 50^m

Syst. I 295.2 - 17^m - Syst II 169.2
 + 139.
 434.2
 - 360.
 74.2

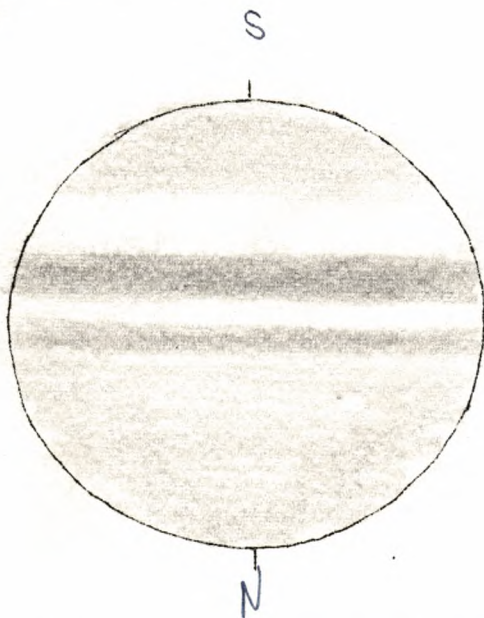
+ 139.
 308.2

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Observation of the Planet Jupiter

Local: Date *February 29* 19*64*. Time *14h.20m.+15m.* Zone *EST*.....
 U. T.: Date *February 29* 19*64*. Time *19h.20m.+15m.*
 Telescope: Aperture *8"* Type *Reflector* Power *60X. (220X)*
 Seeing (0 worst-10 best) *2-4* Transparency (0 worst-5 best) *4*.....
 Central Meridian: I II
 Observer *Jim Low* Mailing Address:
 Station *45°5N. 73°5W.* *411 Briston Ave.*
 R.A.S.C. Centre *Montreal* *St. Lambert*

Drawing:



Intensity Estimates:

Observer's Remarks: *Daytime observation. Because of poor background contrast, 60X was the best obtained. A red filter was used which improved contrast.*

JOVIAN SATELLITE PHENOMENA

28.VII.63: 0100 EDT

19.VIII.63: 0100 EDT

29.IX.63: 2300 EDT

30.IX.63: 2215 EDT

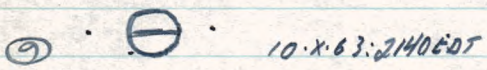


31.IX.63: 2200 EDT

4.X.63: 2130 EDT

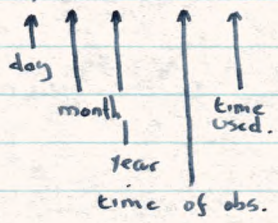
6.X.63: 2130 EDT

10.X.63: 2115 EDT



10.X.63: 2140 EDT

EXAMPLE 4.X.63: 2130 EDT



*3-9 are from an ASTRONOMICAL telescope, general X used in 50