

Jupiter

1960

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Montreal Centre

Planetary Observations - Jupiter's Satellites

Date APRIL 15/16, 1960 Satellite II  
 Time Used V.T. Phenomenon ~~TR. E.~~ TR. E.

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	.....	<u>09:28:—</u>	<u>09:32:—</u>
2nd Contact	.....		

0 - c = -4<sup>m</sup>

Remarks:

Telescope 4" REFLECTOR Power 167x  
 Seeing 5 Transparency 4  
 Observer JIM LOW  
 Address 411 BRIXTON AVE.  
ST. LAMBERT Telephone No OR-1-8675

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ROYAL ASTRONOMICAL SOCIETY OF CANADA

Montreal Centre

Planetary Observations - Jupiter's Satellites

Date April 18/19, 1960 Satellite III (Ganymede)  
 Time Used Eastern Standard Time Phenomenon Occultation reappearance

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>04:17:25</u>	<u>04:18:32½</u>	<u>04:14</u>
2nd Contact	<u>04:19:40</u>		

0 - c = +4<sup>m</sup> 32<sup>s</sup> 5<sup>0</sup>

Remarks:

Telescope 4" - Reflector Power 130 x  
 Seeing 2 Transparency 4  
 Observer Jim Low  
 Address 411 Brixton Ave.  
St. Lambert Telephone No OR-1-8675

Montreal Centre

Planetary Observations - Jupiter's Satellites

Date May 27/28, 1960 Satellite I (Io)  
Time Used Universal Time Phenomenon Transit Egress

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>05:31:17</u>	<u>05:33:24</u>	<u>05:34</u>
2nd Contact	<u>05:35:31</u>		

Remarks: 0 - C = - 0<sup>m</sup> 36<sup>s</sup>

Telescope 4" - Reflector Power 130X  
Seeing 5 (Good) Transparency 4  
Observer Jim Low  
Address 411 Brixton Ave.  
St. Lambert Telephone No OR. 1-8675

Montreal Centre

Planetary Observations - Jupiter's Satellites

Date JUNE 4, 1960 Satellite I  
Time Used U.T. Phenomenon Transit Egress

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>05:02:40</u>	<u>05:05:12</u>	<u>05:06:—</u>
2nd Contact	<u>05:07:45</u>		

Remarks: 0 - C = - 0<sup>m</sup> 54<sup>s</sup>

Telescope 8" Reflector Power 240X  
Seeing 3 Transparency 4  
Observer G. GAHERTY  
Address .....  
Telephone No .....



ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

Planetary Observations - Jupiter's Satellites

Date June 3/4, 1960 Satellite (Io) I.  
Time Used Universal Time Phenomenon Transit egress

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>07:14:01</u>	<u>07:17:14</u>	<u>07:19</u>
2nd Contact	<u>07:20:27</u>		

0 - 0 = -1<sup>m</sup>46<sup>s</sup>

Remarks:

Telescope 4" - Reflector Power 130 x.  
Seeing 6 Transparency 4  
Observer Jim Low  
Address 411 Brixton Avenue  
St. Lambert. Telephone No OR. 1-8675

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

Planetary Observations - Jupiter's Satellites

Date JUNE 10, 1960 Satellite II  
Time Used U.T. Phenomenon Eclipse Disappearance

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>                    </u>		<u>6:14 -</u>
2nd Contact	<u>6:16:30</u>		

Remarks: Just noted fading at 6:15 when ~~satellite~~ satellite was about half gone.

Telescope 8" REFLECTOR Power 240 x  
Seeing 5 Transparency 3  
Observer G. GAHERTY, JR  
Address .....  
Telephone No .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

Planetary Observations - Jupiter's Satellites

Date June 10/11, 1960 Satellite I. (Io)  
Time Used Universal Time Phenomenon Transit ingress

	Observed: h. m. s.	Mean: h. m. s.	Predicted: h. m. s.
Time: 1st Contact	<u>06:45:08</u>	<u>06:49:22</u>	<u>06:50</u>
2nd Contact	<u>06:53:36</u>		

$O-C = -0^m 38^s$

Remarks:

Telescope 4"-Reflector Power 130x  
Seeing 5 Transparency 3½ - 4  
Observer Jim Low  
Address 411 Brixton Ave.  
St. Lambert Telephone No OR.1-8675

Jupiter Satellite Phenomena.

Satellite: I. (Io). Telescope: 4" Reflector. Power: 130x.  
Date: June 12/13, 1960. Time used: Universal Time.  
Seeing: 3. Transparency: 4. Phenomena: Transit egress.

First Contact: 03:24:28

Second Contact: 03:32:00

Mean: 03:28:14 Predicted: 03:29

$O-C = -0^m 46^s$

Jim Low

Date June 18/19, 1960..... Satellite II (Europa).....  
 Time Used Universal Time..... Phenomenon Transit Ingress.....

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>03h 33m 24s</u>	<u>03: 37: 21½</u>	<u>03: 44</u>
2nd Contact	<u>03h 41m 19s</u>	.....	.....
		<u>0-C = -6m 38s</u>	

Remarks:

Telescope 4"-Reflector..... Power 130x.....  
 Seeing 4/10..... Transparency 4½/5.....  
 Observer Jim Low.....  
 Address 411 Brixton Ave......  
St. Lambert, Que...... Telephone No OR. 1-8675.....

Date June 18/19, 1960..... Satellite I (Io).....  
 Time Used Universal Time..... Phenomenon Eclipse disappearance.....

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>05: 44: 54</u>	<u>05: 45: 59</u>	<u>05: 48</u>
2nd Contact	<u>05: 47: 04</u>	.....	.....
		<u>0-C = 0 - 2m 10</u>	

Remarks: Jupiter was only 20 hours from opposition, and therefore the satellite was on the limb of Jupiter before Ec.D. The first contact was the time the satellite was on the limb. The true time for Ec.D. would be nearer second contact.

Telescope 4"-Reflector..... Power .....  
 Seeing 4/10..... Transparency 4/5.....  
 Observer Jim Low.....  
 Address 411 Brixton Ave......  
St. Lambert, Quebec..... Telephone No OR. 1-8675.....





ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

Planetary Observations - Jupiter's Satellites

Date JULY 21, 1960 Satellite II  
Time Used U.T. Phenomenon SHADOW <sup>cm.</sup> TRANSIT

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>                    </u>	<u>04:25.50</u>	<u>04:26: -</u>
2nd Contact	<u>                    </u>		

$\theta - c = \bullet - 0^m 30^{\Delta}$

Remarks:

Telescope 8" REFL. Power 180x  
Seeing 2 Transparency 5  
Observer G. GAHERTY  
Address .....  
Telephone No .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

Planetary Observations - Jupiter's Satellites

Date JULY 21, 1960 Satellite II  
Time Used U.T. Phenomenon transit egress

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>4:26</u>	<u>04:27:22</u>	<u>04:26: -</u>
2nd Contact	<u>4:29:15</u>		

$\theta - c = + 1^m 22^{\Delta}$

Remarks: 1st contact possibly late

Telescope 8" REFL. Power 180x  
Seeing 2 Transparency 5  
Observer G. GAHERTY  
Address .....  
Telephone No .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
 Montreal Centre  
 Planetary Observations - Jupiter's Satellites

Date JULY 21, 1960 ..... Satellite I .....  
 Time Used U.T. ..... Phenomenon eclipse reappearance .....

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>04:32:25</u>	<u>04:33:08</u>	<u>04:35:—</u>
2nd Contact	<u>04:33:50</u>		

0-c = -1<sup>m</sup>52<sup>s</sup>

Remarks:

Telescope 8" REFL. ..... Power 180x .....  
 Seeing 2 ..... Transparency 5 .....  
 Observer G. GAHERTY .....  
 Address ..... Telephone No .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
 Montreal Centre  
 Planetary Observations - Jupiter's Satellites

Date JULY 29, 1960 ..... Satellite I .....  
 Time Used U.T. ..... Phenomenon SHADOW EGRESS .....

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>03:38:—</u>	<u>03:41:30</u>	<u>03:46:—</u>
2nd Contact	<u>03:45:—</u>		

0-c = -4<sup>m</sup>30<sup>s</sup>

Remarks:

Telescope 8" REFL. ..... Power 240x .....  
 Seeing 3 ..... Transparency 3 .....  
 Observer G. GAHERTY, JR. .....  
 Address ..... Telephone No .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

Planetary Observations - Jupiter's Satellites

Date August 5/6, 1960 Satellite II (Europa)

Time Used Universal Time Phenomenon Eclipse Reappearance

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.

Time:	1st Contact	<u>05:50:58</u>	<u>05:51:33</u>	<u>05:53</u>
	2nd Contact	<u>05:52:08</u>	<u>0-C = -1<sup>m</sup> 27<sup>s</sup></u>	

Remarks: It may first have been seen about 05:50.5, and may have become a little brighter until 05:52.4.

Telescope 4"-Reflector Power 65x

Seeing 4 Transparency 4

Observer Jim Low

Address RCAF Station

Dawson Creek, B.C. Telephone No -

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

Planetary Observations - Jupiter's Satellites

Date Sept. 1/2, 1960 Satellite III (Ganymede)

Time Used Universal Time Phenomenon Eclipse disappearance

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.

Time:	1st Contact	<u>5:12:22</u>	<u>5:13:47</u>	<u>5:14:</u>
	2nd Contact	<u>5:15:12</u>	<u>0-C = -0<sup>m</sup> 13<sup>s</sup></u>	

Remarks:

Telescope 4"-Reflector Power 65x

Seeing 3/10 Transparency 4/5

Observer Jim Low

Address RCAF Station

Dawson Creek, B.C. Telephone No -

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
 Montreal Centre  
 Planetary Observations - Jupiter's Satellites

Date ..... Sept. 4-5, 1960 ..... Satellite ..... I .....  
 Time Used ..... U.T. ..... Phenomenon ..... O.D. .....

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>01:29</u> .....	<u>01:30:30</u> .....	<u>01:31</u> .....
2nd Contact	<u>01:32</u> .....	<u>0-C = -0<sup>m</sup> 30<sup>s</sup></u>	

Remarks: Unable to estimate seconds due to poor seeing

Telescope ..... 8" Refl. ..... Power ..... 165 X .....  
 Seeing ..... 2-3 ..... Transparency ..... 3-4 .....  
 Observer ..... K. B. Brasch .....  
 Address ..... 224 Montée Vanche .....  
 ..... Rosemere ..... Telephone No .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA

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ROYAL ASTRONOMICAL SOCIETY OF CANADA  
 Montreal Centre  
 Planetary Observations - Jupiter's Satellites

Date ..... October 10/11, 1960 ..... Satellite ..... IV (Callisto) .....  
 Time Used ..... Universal Time ..... Phenomenon ..... Eclipse Reappearance .....

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>23:14:30</u> .....	<u>23:19:23</u> .....	<u>23:19:-</u> .....
2nd Contact	<u>23:24:16</u> .....	<u>0-C = +0<sup>m</sup> 23<sup>s</sup></u>	

Remarks: Possible error is ± 10s, from watch reading. The satellite brightened very slowly, and may have been seen 30s. before time listed.

Telescope ..... 4" Reflector ..... Power ..... 130x .....  
 Seeing ..... 5/10 ..... Transparency ..... 4/10 .....  
 Observer ..... Jim Low .....  
 Address ..... 411 Brixton Ave. .....  
 ..... St. Lambert, P.Q. ..... Telephone No ..... OR. 1-8675 .....

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ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date Jan. 8/9, 1960.....

Local Time 06h.55m. +15m. E.S.T......

Universal Time 11h.55m......

Central Meridian (1) 94.6°.....

(2) 244.5°.....

Telescope 4"- Reflector.....

Eyepiece 167x.....

Seeing 3.....

Transparency 3.....

Remarks: Jupiter was low in the sky, and the sky was bright, making observation difficult. The central meridian is at 06h.55m. E.S.T.

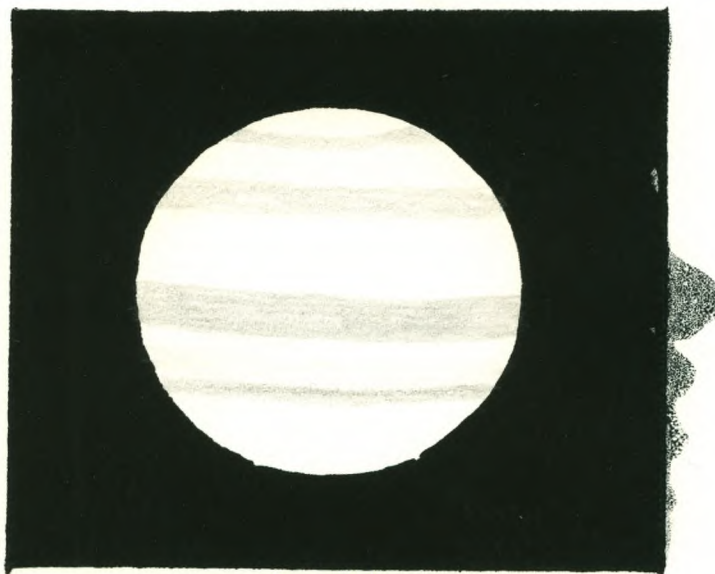
Observer Jim Low.....

Address 411 Brixton Ave., St. Lambert......

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



North

PLANET Jupiter.....

Date Jan. 11/12, 1960.....

Local Time 07:02 + 8m. E.S.T......

Universal Time 12:02.....

Central Meridian (1) 212°.....

(2) 339°.....

Telescope 4" - Reflector.....

Eyepiece 167x.....

Seeing 3.....

Transparency 4.....

Remarks:

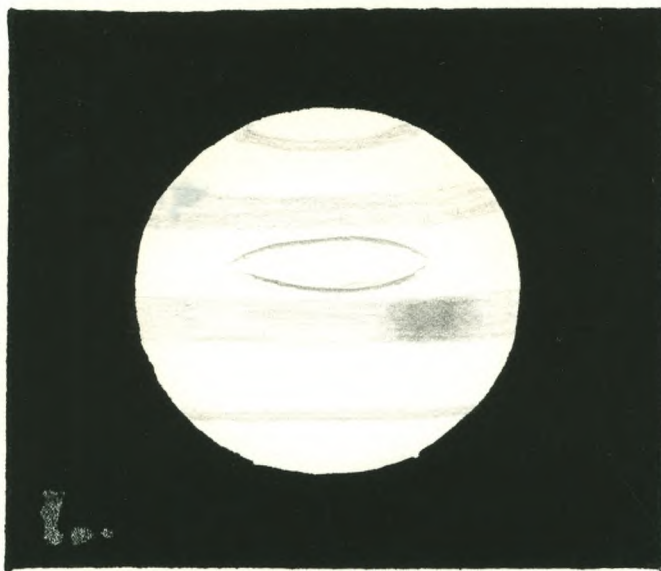
Observer Jim Low.....

Address 411 Brixton, St. Lambert......

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



North

PLANET Jupiter.....

Date Jan. 14, 1960.....

Local Time 7:00 + 12m. E.S.T.

Universal Time 12:00.....

Central Meridian (1) 166° +.....

(2) 278° +.....

Telescope 4"- Reflector.

Eyepiece 167x.....

Seeing 3.....

Transparency 4.....

Remarks: Part of the Equatorial Zone was bright.

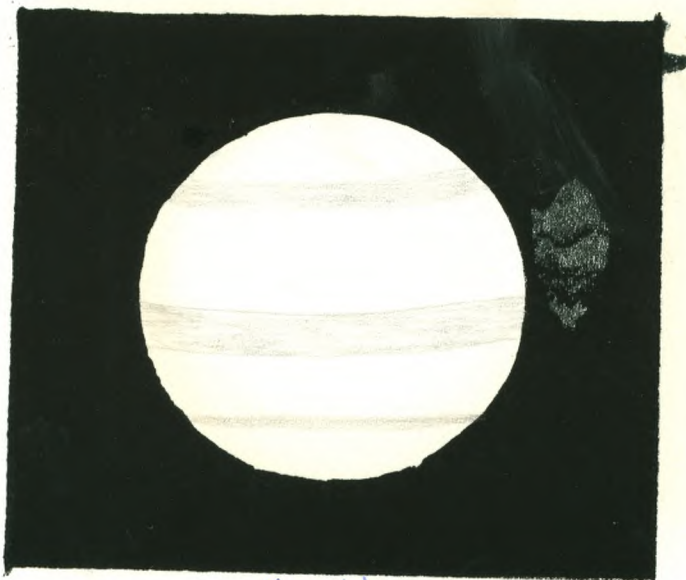
Observer Jim Low.....

Address 411 Brixton, St. Lambert.

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



North.

PLANET Jupiter.....

Date Jan. 15/16, 1960......

Local Time 6:58 + 12m. E.S.T......

Universal Time 11:58.....

Central Meridian (1) 121°.....

(2) 217°.....

Telescope 4" - Reflector.....

Eyepiece 167x.....

Seeing 2.....

Transparency 4.....

Remarks:

Observer Jim Low.....

Address 411 Brixton Ave., St. Lambert......

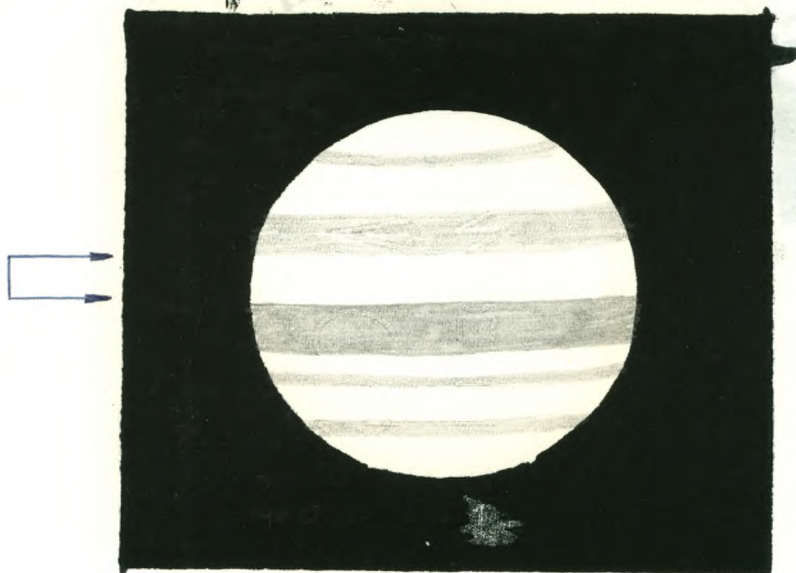
Telephone No. OR. 1-8675......



ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date February 3/4, 1960.....

Local Time 06h. 48m. +12m. E.S.T......

Universal Time 11h. 48m......

Central Meridian (1) 233°.....

(2) 184°.....

Telescope 4"- Reflector.....

Eyepiece 167X.....

Seeing 3.....

Transparency 4.....

Remarks: The light belt between the arrows was brighter than the other light belts.

Observer Jim Low.....

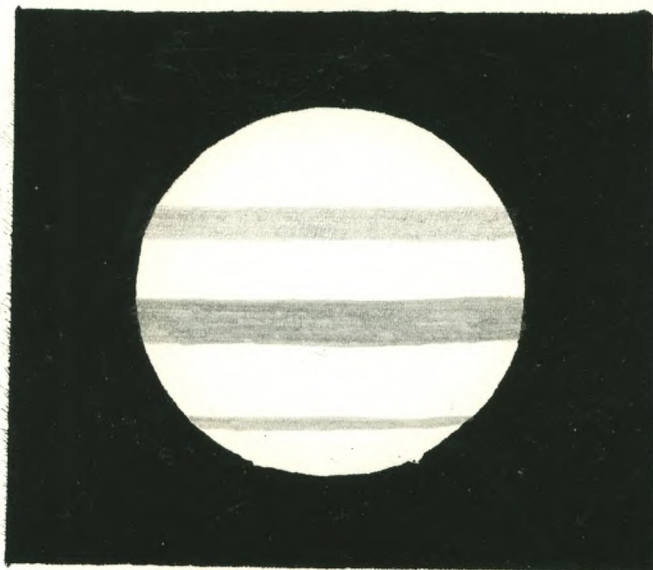
Address 411 Brixton, St. Lambert......

Telephone No. OR: 1-8675.....

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Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date February 7/8, 1960.....

Local Time 06h. 47m. +8m. E. S. T......

Universal Time 11h. 47m......

Central Meridian (1) 143°.....

(2) 64°.....

Telescope 4"-Reflector.....

Eyepiece 167x.....

Seeing 2.....

Transparency 4.....

Remarks:

Observer Jim Low.....

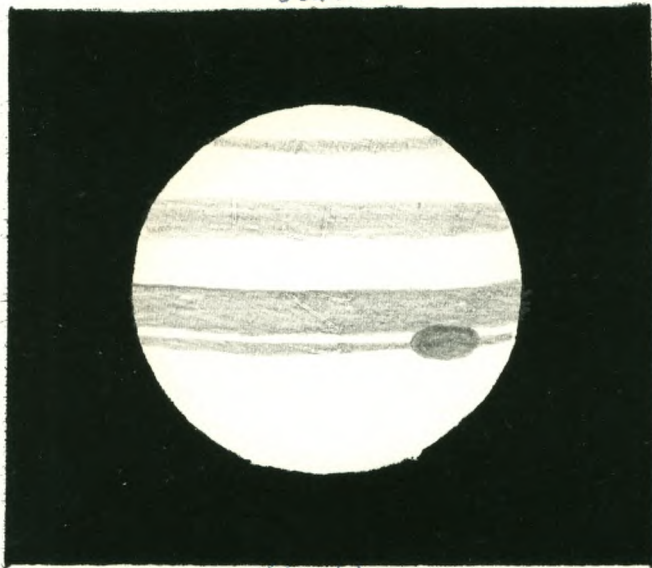
Address 411 Brixton, St. Lambert.....

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date Feb. 27/28, 1960.....

Local Time 05h. 19m. + 16m. E.S.T......

Universal Time 10h. 19m......

Central Meridian (1) 5°.....

(2) 171°.....

Telescope 4"-Reflector.....

Eye-piece 16.7x.....

Seeing 4.....

Transparency 4.....

Remarks: Jupiter's satellites at 05h. 35m. E. S. T.

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Observer Jim Low.....

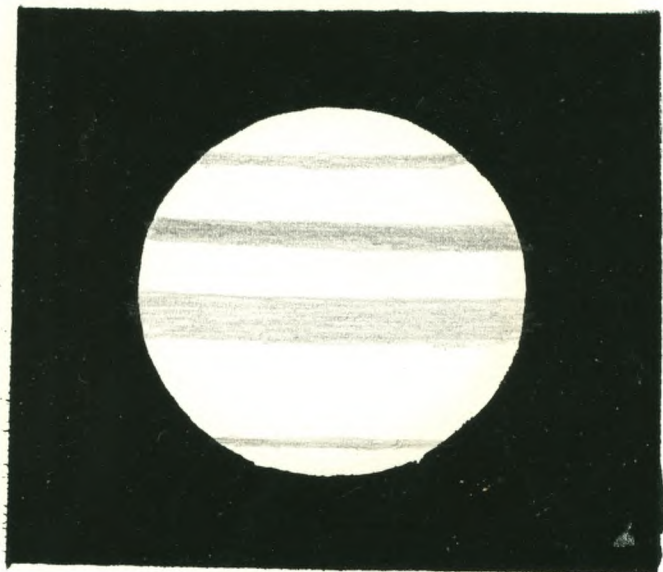
Address 411 Brixton Ave.  
St. Lambert.....

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date March 11/12, 1960.....

Local Time 04h. 52m. +8m. E.S.T......

Universal Time 09h. 52m......

Central Meridian (1) 241°.....

(2) 271°.....

Telescope 4"-Reflector.....

Eyepiece 130X, 167X......

Seeing 3.....

Transparency 3.....

Remarks: Diagram of Jupiter's satellites at 05h.00m. E.S.T.



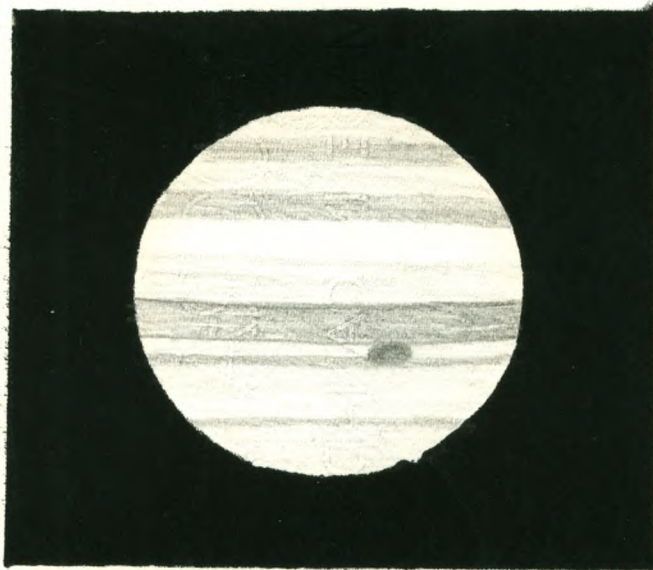
Observer Jim Low.....

Address 411 Brixton Avenue  
St. Lambert.

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date March 25/26, 1960.....

Local Time 04h. 14m. +12m. E.S.T......

Universal Time 09h. 14m......

Central Meridian (1) 269°.....

(2) 192°.....

Telescope 4"-Reflector.....

Eyepiece 167x.....

Seeing 6.....

Transparency 4½.....

Remarks: I have never seen better seeing than this around Montreal.  
Satellites:

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3

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4

09h. 10m. U.T.

Observer Jim Low.....

Address 411 Brixton Ave.  
St. Lambert.

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



Beware of  
watermarks!

PLANET Jupiter.....

Date .. April 7/8, 1960.....

Local Time .. 04h: 24m. +7m. E.S.T.

Universal Time .. 09h: 24m......

Central Meridian (1) .. 266°.....

(2) .. 350°.....

Telescope .. 4"- Reflector.....

Eye-piece .. 167 x.....

Seeing .. 6.....

Transparency .. 5.....

Remarks: The black spot in the north-west is probably the shadow of satellite III (Ganymede)

Satellites of Jupiter at 04:24 E.S.T.



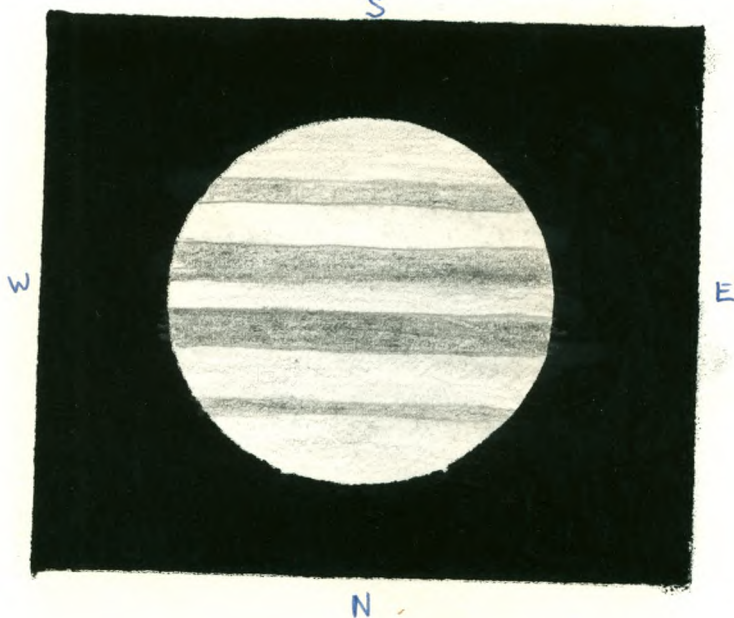
Observer .. Jim Low.....

Address .. 411 Brixton Ave.  
St. Lambert

Telephone No. .. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date April 15/16, 1960.....

Local Time 01h 33m + 15m E. S. T......

Universal Time 06h 33m.....

Central Meridian (1) 247°.....

(2) 11°.....

Telescope 4"- Reflector.....

Eyepiece 167x.....

Seeing 3.....

Transparency 3.....

Remarks: Jupiter's satellites at 01h 30m. (Observed) E. S. T.

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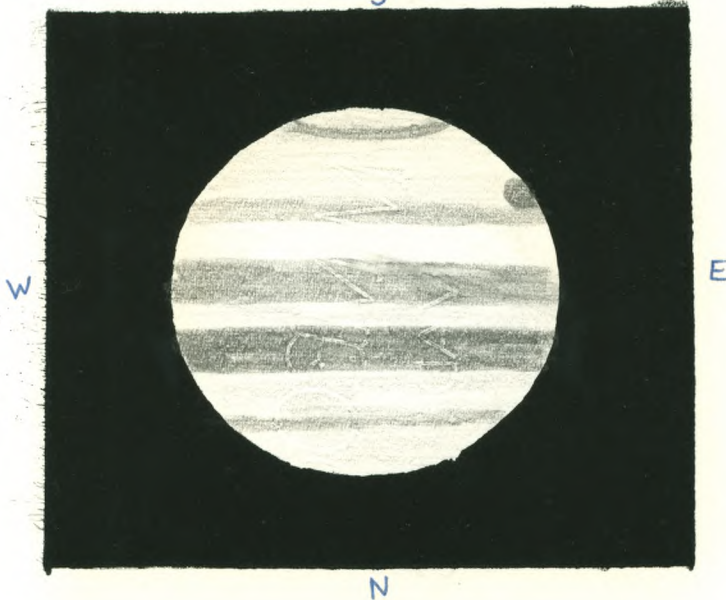
Observer Jim Low.....

Address 411 Brixton Ave.  
St. Lambert.....

Telephone No. OR: 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter .....

Date April 15/16, 1960 .....

Local Time 03h 05m + 12m E.S.T. .....

Universal Time 08h 05m .....

Central Meridian (1) 303° .....

(2) 66° .....

Telescope 4"-Reflector .....

Eyepiece 167x .....

Seeing 4 .....

Transparency 4 .....

Remarks: Satellites at 03:04 (Observed) E.S.T.

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Observer Jim Low .....

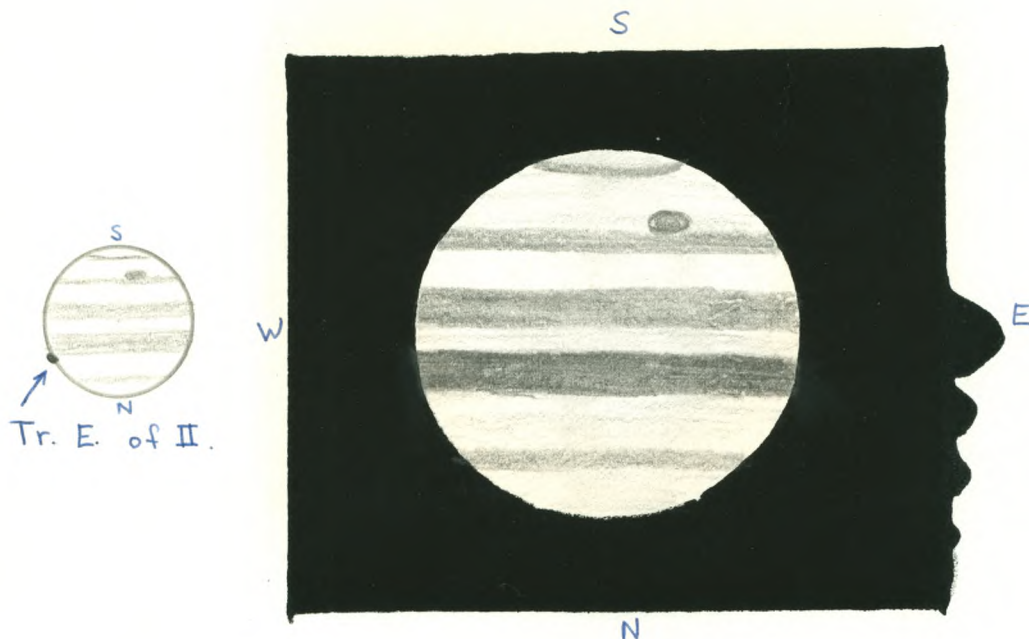
Address 411 Brixton Ave.  
St. Lambert .....

Telephone No. OR. 1-8675 .....



ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date April 15/16, 1960.....

Local Time 04h 23m + 14m EST.....

Universal Time 09h 23m.....

Central Meridian (1) 351°.....

(2) 114°.....

Telescope 4"-Reflector.....

Eyepiece 167x.....

Seeing 5.....

Transparency 4.....

Remarks: Satellites at 04:22 (Observed) E.S.T.

$\begin{matrix} \cdot & \cdot & \circ & \cdot \\ 3 & 1 & & 4 \end{matrix}$

The observed time of transit egress was about 04h. 28m.  
(Satellite II).

Observer Jim Low.....

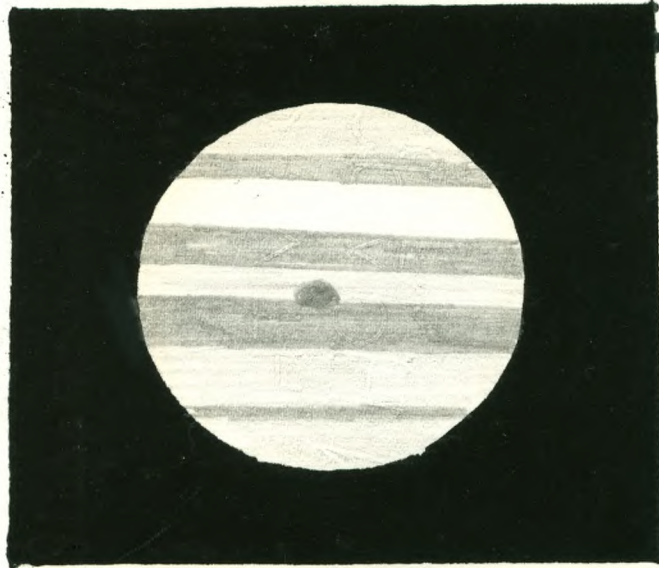
Address 411 Brixton Ave.  
St. Lambert.....

Telephone No. OR-1-8675.....

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PLANETARY OBSERVATIONS

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PLANET Jupiter .....

Date Apr. 18/19, 1960. .....

Local Time 04h. 21m. + 13m. .....

Universal Time 09h. 21m. .....

Central Meridian (1) 103° .....

(2) 203° .....

Telescope 4" - Reflector .....

Eyepiece 130x .....

Seeing 2 .....

Transparency 4 .....

Remarks: Seeing was better than 2 for a few seconds at a time.

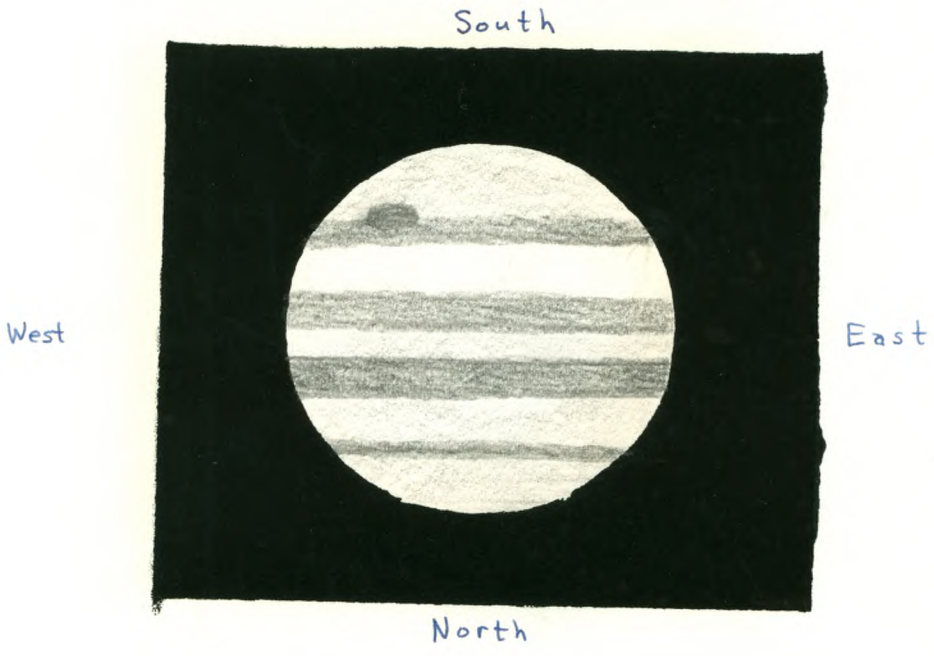
Observer Jim Low .....

Address 411 Brixton Ave.  
St. Lambert .....

Telephone No. OR. 1-8675 .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date April 28/29, 1960.....

Local Time 02h.52m. + 7m. E.S.T......

Universal Time 07h.52m......

Central Meridian (1) 189°.....

(2) 213°.....

Telescope 4" reflector.....

Eyepiece 130X & 167X.....

Seeing 4.....

Transparency 4.....

Remarks:

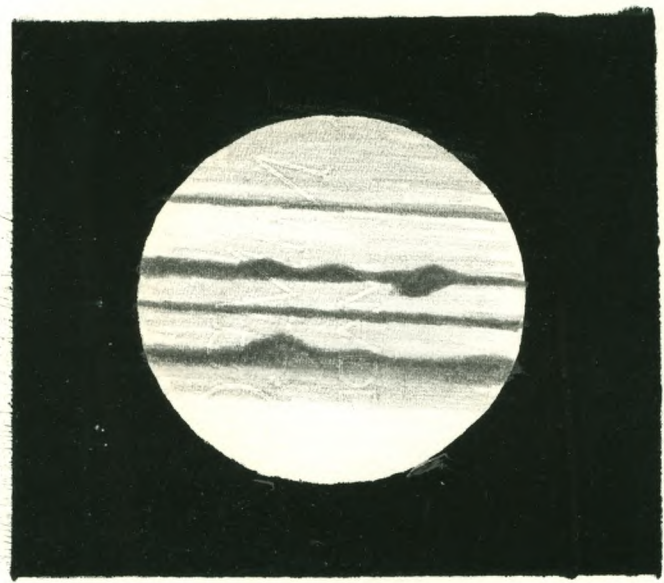
Observer Jim Low.....

Address 411 Brixton Ave.  
St. Lambert......

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date APRIL 29/30.....

Local Time 0415... EDT...

Universal Time 0815.....

Central Meridian (1) 214° 0'.....

(2) 232° 17'.....

Telescope 6.5" REFRACTOR

Eye-piece 133+.....

Seeing POOR - FAIR 3-4

Transparency 2.....

Remarks:

Observer G. Wedge.....

Address .....

Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter .....

Date April 29/30, 1960 .....

Local Time 03h. 20m. + 8m. E.S.T. .....

Universal Time 08h. 20m. .....

Central Meridian (1) 4° .....

(2) 20° .....

Telescope 4"- Reflector .....

Eyepiece 130X & 167X. .....

Seeing 5 .....

Transparency 4 .....

Remarks: The belt marked AA' was not as bright as usual, although it was still the brightest belt.

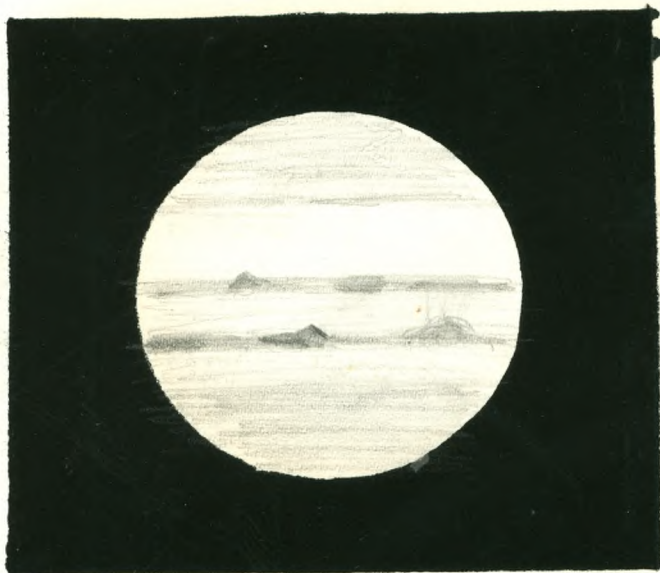
Observer Jim Low .....

Address 411 Brixton Ave.  
St. Lambert.

Telephone No. OR. 1-8675 .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



NOVA SEARCH!  
HERCULES 8h30d 6m

PLANET ..... 4 .....

Date ..... APRIL 29/30, 1960 .....

Local Time ..... 04:35 EDT .....

Universal Time ..... 08:35 (30) .....

Central Meridian (1) ..... ~~226~~ 13° .....

(2) ..... ~~244~~ 29° .....

Telescope ..... 6 1/2" REFR .....

Eyepiece ..... 133x .....

Seeing ..... 1 .....

Transparency ..... 4 .....

Remarks:

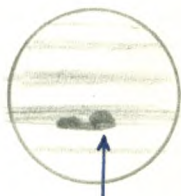
Observer ..... G. GAHERTY .....

Address .....

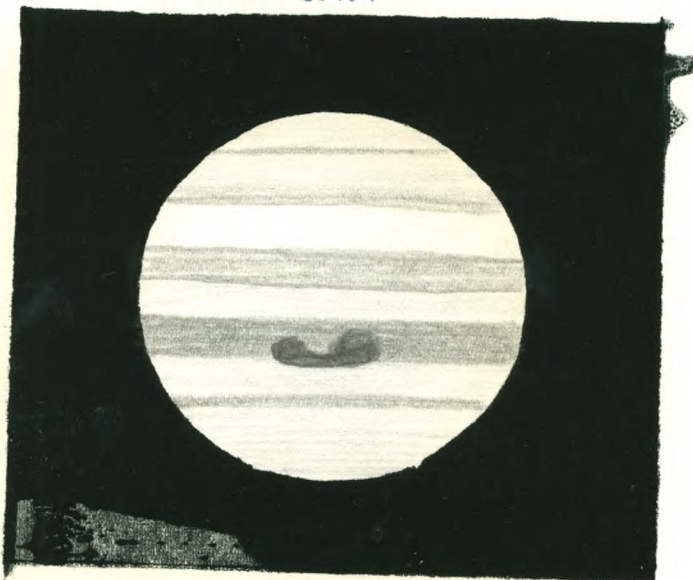
Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS  
South



1.  
Transit timed.



North

PLANET Jupiter.....

Date May 20/21, 1960.....

Local Time 00h. 24m. + 20m. E.S.T......

Universal Time 05h. 24m......

Central Meridian (1) 334°.....

(2) 191°.....

Telescope 4" - Reflector.....

Eyepiece 130 x......

Seeing 6......

Transparency 3 to 4 (var.).....

Remarks:

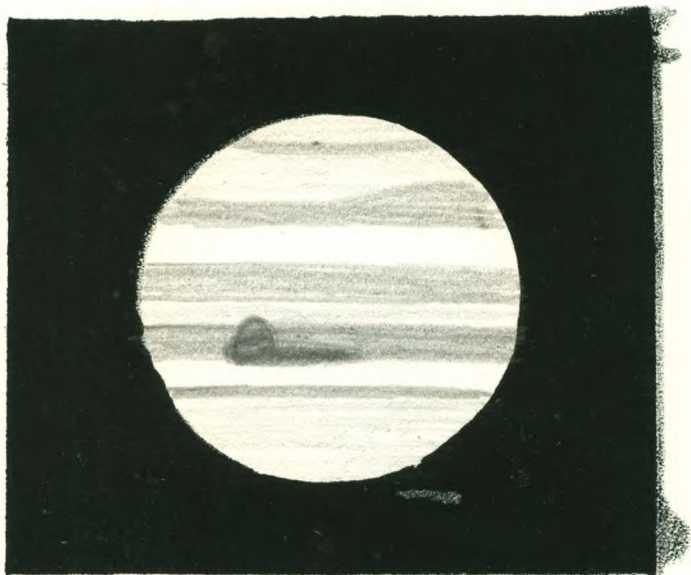
Observer Jim Low.....

Address 411 Brixton Avenue  
St. Lambert.....

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
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PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date May 20/21, 1960.....

Local Time 02h. 23m. +16m. E.S.T.

Universal Time 07h. 23m......

Central Meridian (1) 46°.....

(2) 253°.....

Telescope 4"- Reflector.....

Eyepiece 130x......

Seeing 5.....

Transparency 4.....

Remarks:

Observer Jim Low.....

Address 411 Brixton Avenue  
St. Lambert

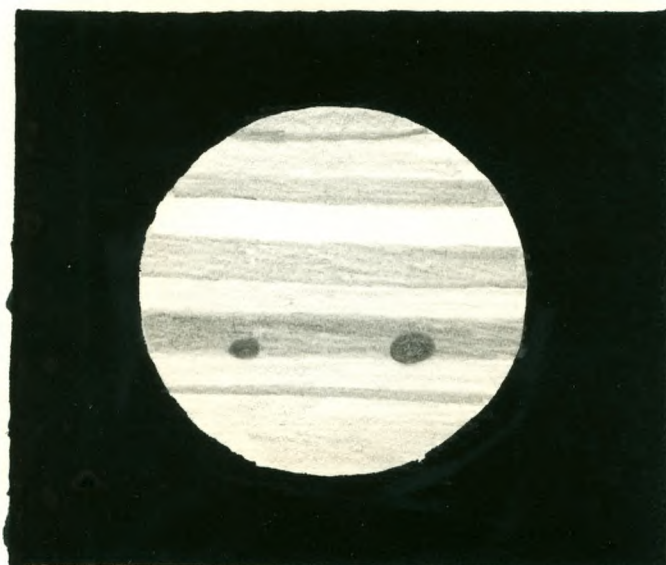
Telephone No. OR. 1-8675.....



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PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date May 27/28, 1960.....

Local Time 00h.05m. +20m. E.S.T......

Universal Time 05h.05m......

Central Meridian (1) 349°.....

(2) 153°.....

Telescope 4" Reflector.....

Eyepiece 130x & 167x.....

Seeing 5.....

Transparency 4.....

Remarks:

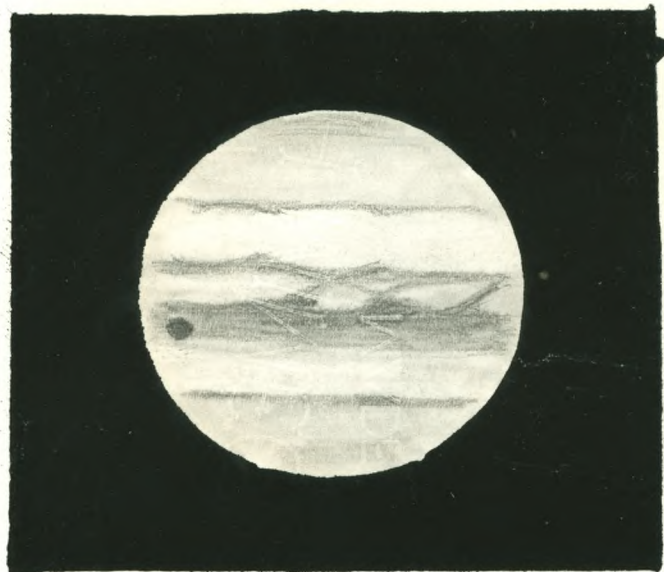
Observer Jim Low.....

Address 411 Brixton Ave.  
St. Lambert.

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter* .....

Date *May - 27/28 1960* .....

Local Time *00:50 - 01:10 OST* .....

Universal Time *04:50 - 05:10*  
~~00:50 - 04:10~~ .....

Central Meridian (1) *346°* .....

(2) *150°* .....

Telescope *8" Reflec.* .....

Eyepiece *165x* .....

Seeing *2-3* .....

Transparency *2-3* .....

Remarks: *Very dark object on eastern edge of N.E. belt  
disappeared after about five minutes. ~~was the satellite~~  
Shadow of Satellite I*

Observer *K.P. Brasch* .....

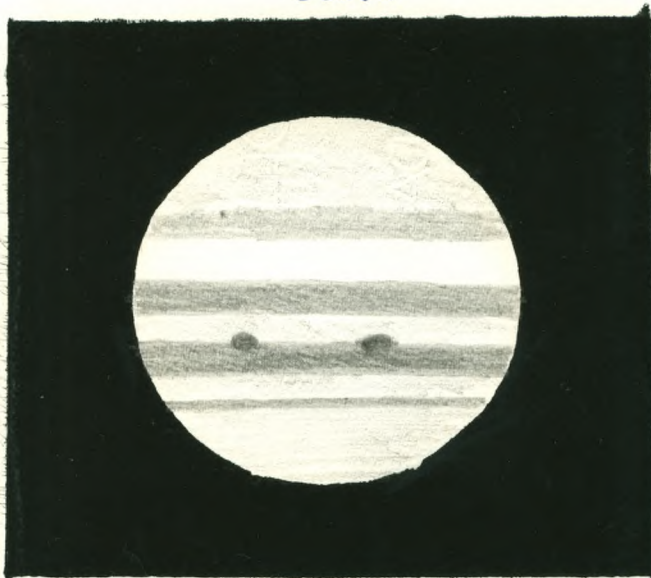
Address .....

Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date June 3/4, 1960.....

Local Time 23h. 15m. +11m. E. S.T.

Universal Time 04h 15m.....

Central Meridian (1) 345°.....

(2) 96°.....

Telescope 4"-Reflector.....

Eyepiece 130x.....

Seeing 3.....

Transparency 0 to 4......

Remarks:

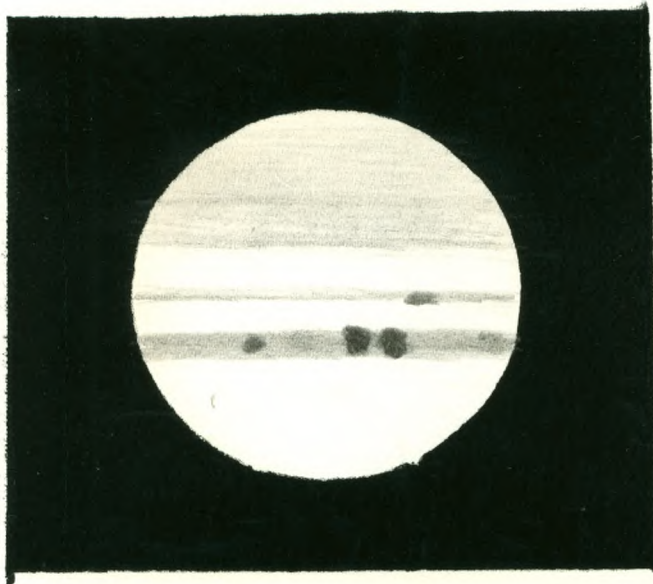
Observer Jim Low.....

Address 411 Brixton,  
St. Lambert......

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date ... JUNE 3/4 1960 .....

Local Time 00:35 EDT .....

Universal Time 04:35 .....

Central Meridian (1) ... 357° .....

(2) ... 107° .....

Telescope ... 6.5" REFRACTOR .....

Eyepiece ... 100x .....

Seeing ... 3 .....

Transparency ... 2 .....

Remarks: S.E.S. visible only for brief periods of good seeing.  
South Polar regions noticeably dark.

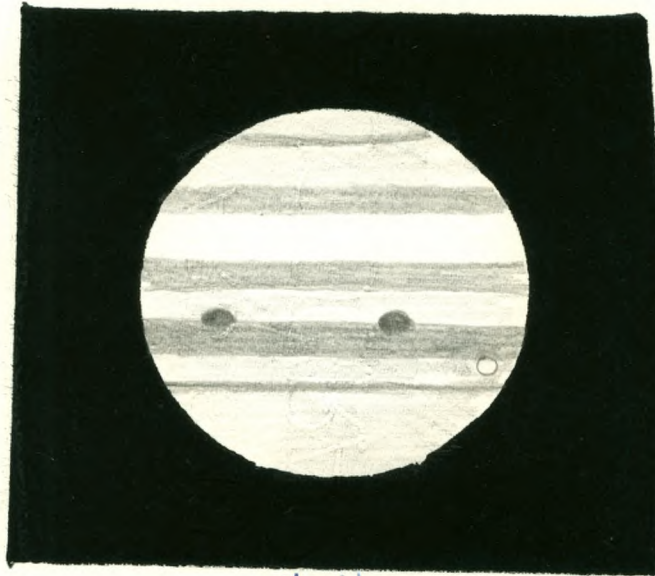
Observer G. Wedge .....

Address .....

Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS  
South



North

PLANET Jupiter .....

Date June 3/4, 1960 .....

Local Time 00h. 13m. +13m. E.S.T. .....

Universal Time 05h. 13m. .....

Central Meridian (1) 20° .....

(2) 131° .....

Telescope 4"-Reflector .....

Eyepiece 130X & 167X .....

Seeing 6+ .....

Transparency 4 .....

Remarks: Bright spot between NEB and NTW was satellite I.  
C.M. Transit was timed for following spot on NEB.

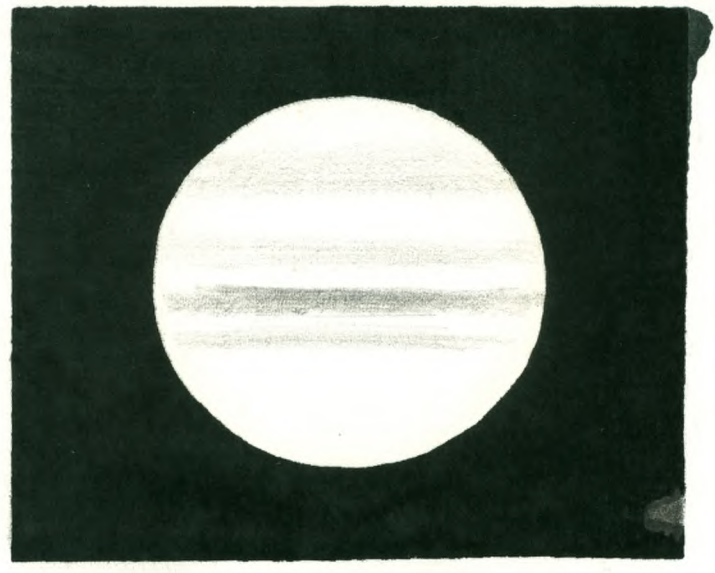
Observer Jim Low .....

Address 411 Brixton,  
St. Lambert .....

Telephone No. OR. 1-8675 .....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



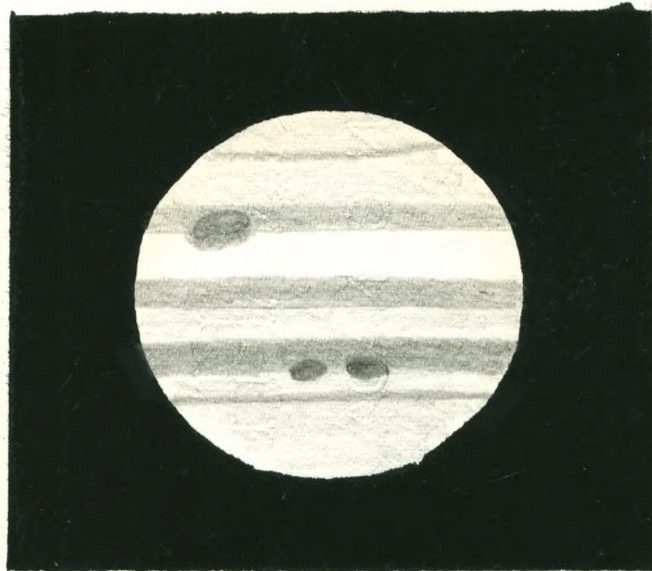
Date <sup>3/4</sup> June 4-5 1960 ..... PLANET *Jupiter* .....  
 Local Time *01.50 E.D.T.* ..... Universal Time *05.50* .....  
 Central Meridian (1) *43°* ..... (2) *1530* .....  
 Telescope *6" reflector* ..... Eyepiece *100x* .....  
 Seeing *Good* ..... Transparency *Very Good* .....  
 Remarks:

Observer *Vic Williams* .....  
 Address *1857 Av. Ave.* .....  
*Montreal 4, Que.*

Telephone No. *CL 5-1657*

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



North

PLANET Jupiter.....

Date June 3/4, 1960.....

Local Time 02h 21m +15m EST.....

Universal Time 07h 21m.....

Central Meridian (1) 99°.....

(2) 208°.....

Telescope 4" Reflector.....

Eyepiece 130x & 167x.....

Seeing 6.....

Transparency 4.....

Remarks: C.M. Transit was timed for following spot on NEB

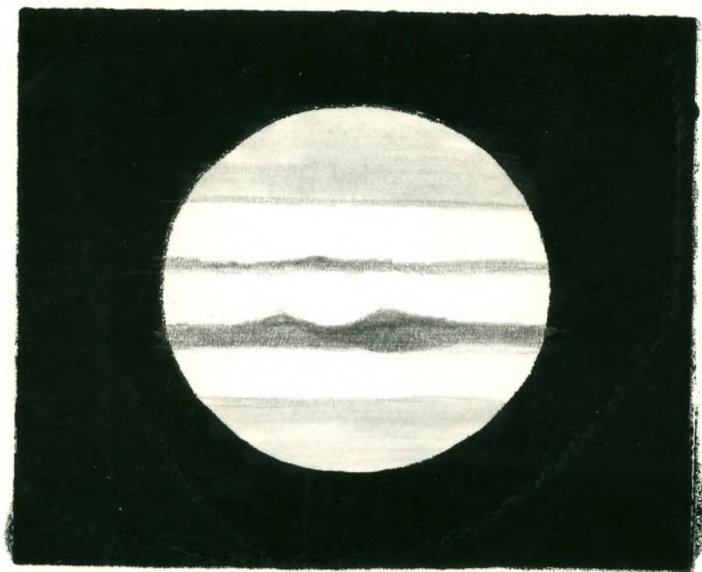
Observer Jim Low.....

Address 411 Brixton Ave.  
St. Lambert.

Telephone No. OR. 1-8675.....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JUNE 7/8 1960.....

Local Time 23:35 EDT.....

Universal Time 03:35.....

Central Meridian (1) 232°.....

(2) 313°.....

Telescope 8" REFLECTOR.....

Eyepiece 180x.....

Seeing 2-3.....

Transparency 3.....

Remarks:

Observer G. Wedge.....

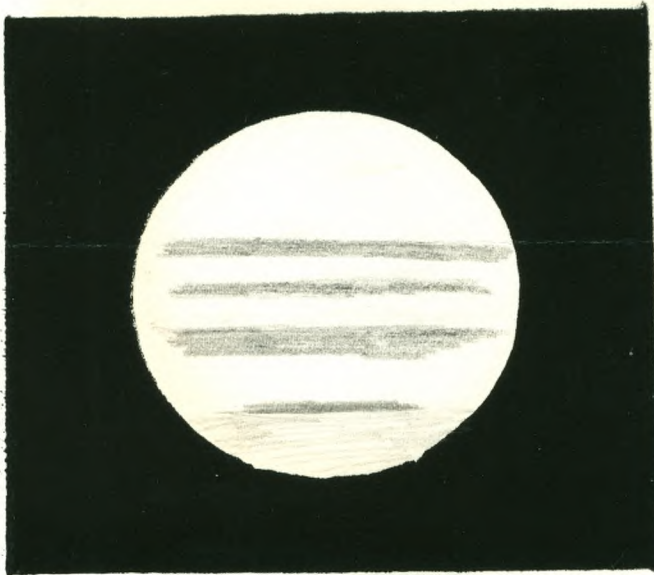
Address .....

Telephone No. ....



ROYAL ASTRONOMICAL SOCIETY OF CANADA  
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PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date June 9-10 1960.....

Local Time 11:45 PM.....

Universal Time 0345.....

Central Meridian (1) .....

(2) .....

Telescope 4 1/2" refr......

Eyepiece 90X.....

Seeing 4.....

Transparency 5.....

Remarks:

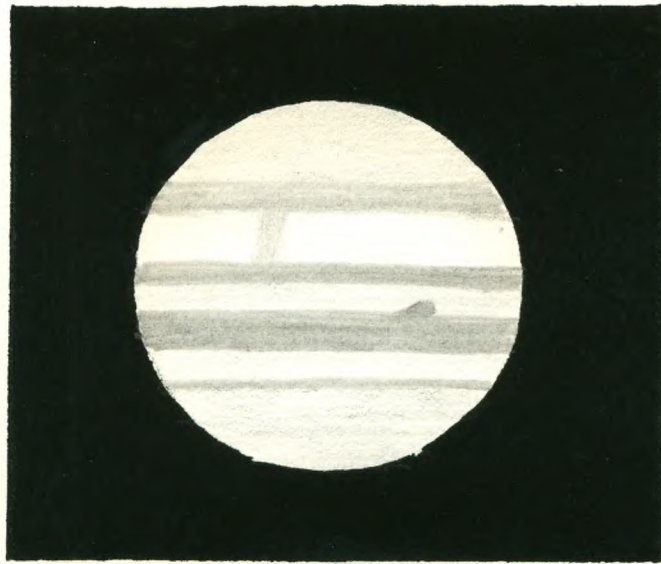
Observer Burdett.....

Address 1680 FAYOLLE.....

Telephone No. PO 8 2636.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



North

PLANET Jupiter.....

Date June 10/11, 1960.....

Local Time 22h. 54m. +10m. E.S.T......

Universal Time 03h. 54m......

Central Meridian (1) 359°.....

(2) 56°.....

Telescope 4"-Reflector.....

Eyeiece 130x.....

Seeing 3.....

Transparency 3.....

Remarks:

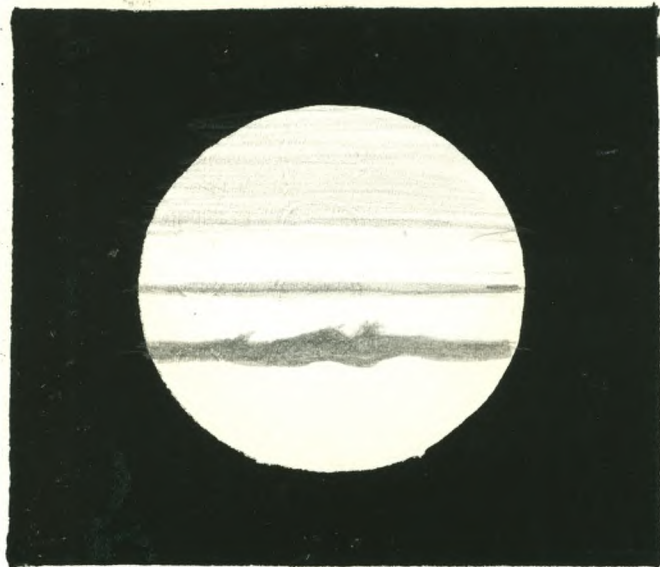
Observer Jim Low.....

Address 411 Brixton Ave.  
St. Lambert.

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date .. JUNE 10/11 1960.....

Local Time .. 0020 EDT.....

Universal Time .. 04:20.....

Central Meridian (1) .. 14°.....

(2) .. 71°.....

Telescope .. 6 1/2" REFRACTOR.....

Eyepiece .. 232x.....

Seeing .. 4-5.....

Transparency .. 3.....

Remarks:

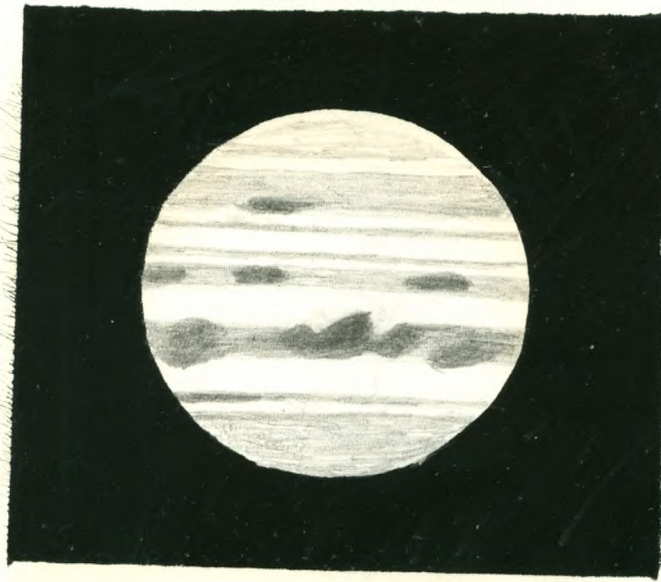
Observer .. G. Wedge.....

Address .. ..

Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER .....

Date JUNE 10/11 1960 .....

Local Time 00:45 EDT .....

Universal Time 04:45 .....

Central Meridian (1) 29° .....

(2) 86° .....

Telescope 6 1/2" Refractor .....

Eyepiece 222 X .....

Seeing 4-5 .....

Transparency 2 .....

Remarks:

Observer Constantine Papacosmas .....

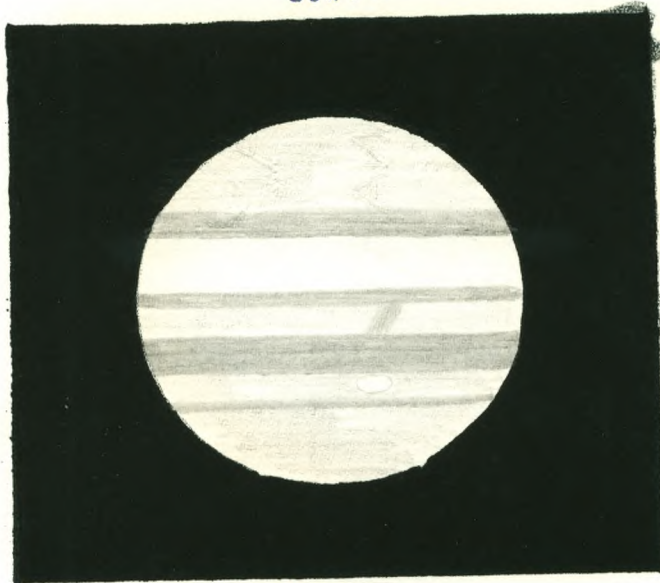
Address .....

Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter .....

Date June 10/11, 1960 .....

Local Time 00h. 57m. +19m. E.S.T. .....

Universal Time 05h. 57m. .....

Central Meridian (1) 73° .....

(2) 131° .....

Telescope 4"-Reflector .....

Eyepiece 167x., 130x. .....

Seeing 6 .....

Transparency 4 .....

Remarks:

Observer Jim Low .....

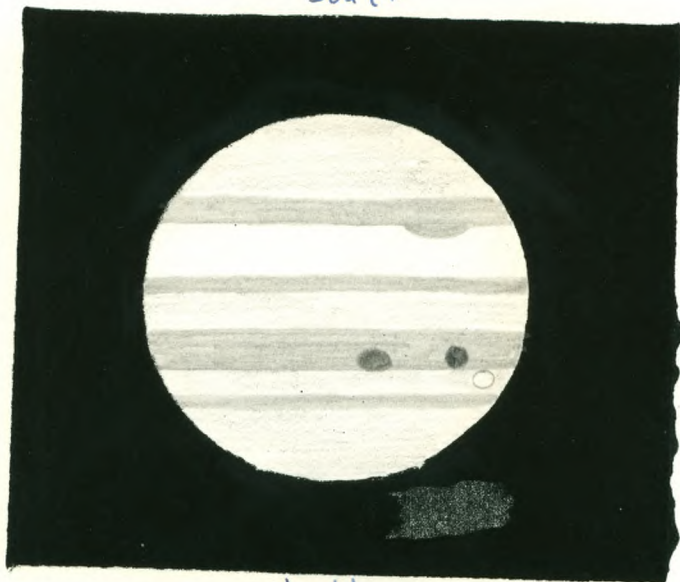
Address 411 Brixton Ave.  
St. Lambert .....

Telephone No. OR. 1-8675 .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET ..Jupiter.....

Date June 10/11, 1960.....

Local Time 01h.57m. +25m. E. S. T.....

Universal Time 06h. 57m.....

Central Meridian (1) 110°.....

(2) 166°.....

Telescope 4"-Reflector.....

Eyepiece 130x, 167x.....

Seeing 6.....

Transparency 4.....

Remarks: The dark cond. (left dark marking) was not as dark as the shadow of satellite I (right dark marking).

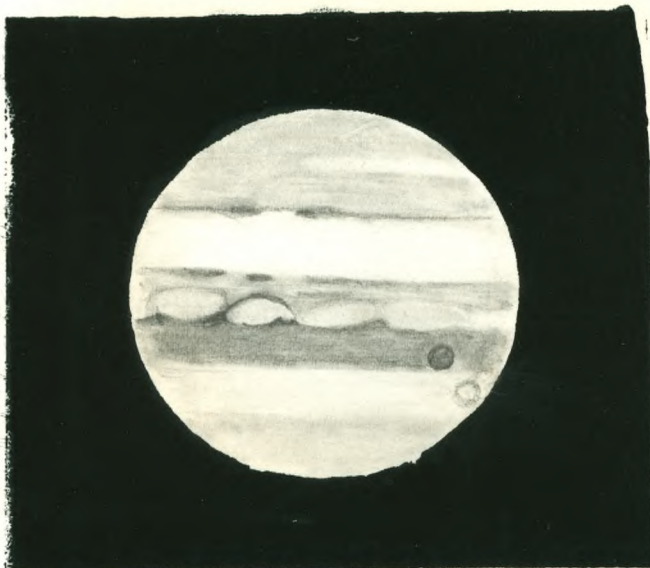
Observer Jim Low.....

Address 411 Brixton Ave.  
St. Lambert.....

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter* .....

Date .. *June - 11* - 1960 .....

Local Time .. *02:55 - 03:08* D.S.T. ....

Universal Time .. *06:55 - 07:08* .....

Central Meridian <sup>07:00 UT</sup> (1) .. *112°* .....

(2) .. *168°* .....

Telescope .. *8" Reflector* .....

Eyepiece .. *165X* .....

Seeing .. *3-4* .....

Transparency .. *2-3* .....

Remarks: *S.I. of shadow of Satellite I at beginning of observation - 1:37 - E.S.T.*

*T.I. of Satellite began at 1:50 E.S.T., disk easily visible, brighter than surrounding zone N.T.Z. of main planet*

Observer .. *K.B. Brasch* .....

Address .....

Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date June 11 1960.....

Local Time 4:00 AM.....

Universal Time 0800.....

Central Meridian (1) .....

(2) .....

Telescope 4 1/4" reflector.....

Eyepiece 90x.....

Seeing 5.....

Transparency 7.....

Remarks:

Observer D Bantlett.....

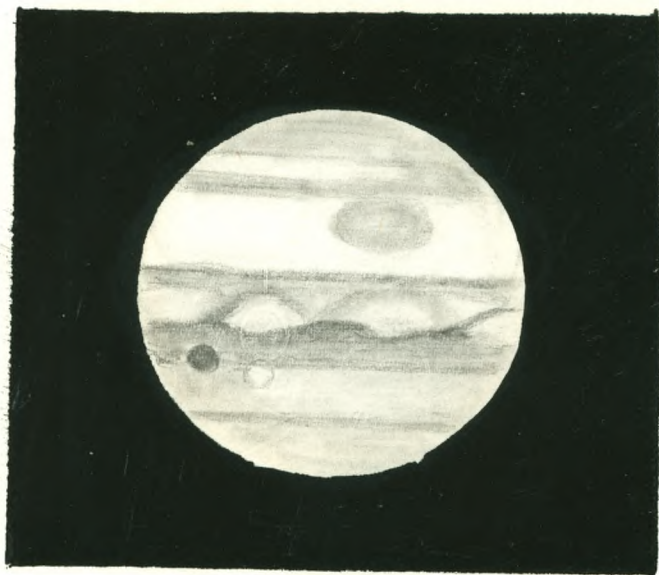
Address 1680 Fayolle.....

Telephone No. PO 8 2636.....



ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET ... *Jupiter* .....

Date ... *June - 12 - 13* ... 1960 ...

Local Time ... *23:00 - 23:10* ... D.S.T.

Universal Time ... *03:00 - 03:10* ...

Central Meridian (1) ... *284°* .....

(2) ... *327°* .....

Telescope ... *8" Refl.* .....

Eyepiece ... *165x* .....

Seeing ... *2-3* .....

Transparency ... *3* .....

Remarks: *Red spot seen, a gray washed out colour similar to S.P. region. Easier seen with the aid of a light blue filter, as outline of spot is more distinct.*

*Shadow of disk of satellite I seen, shadow left disk at 03:19 & satellite at 03:29*

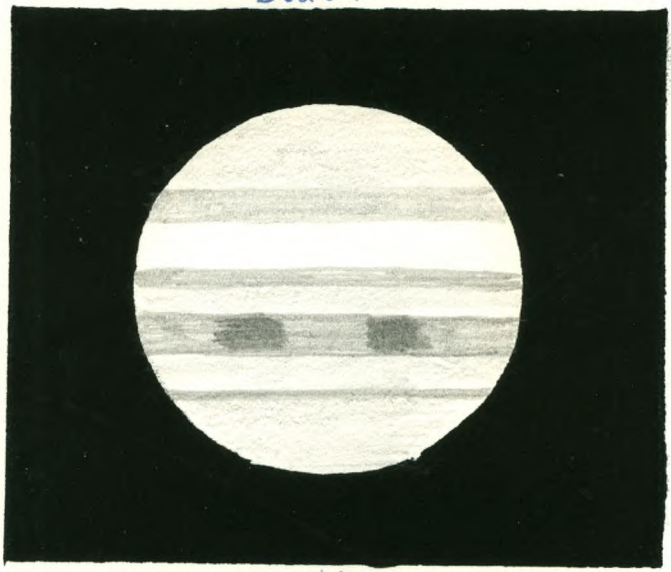
Observer ... *H.R. Brasch* .....

Address .....

Telephone No. ....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date June 12/13, 1960.....

Local Time 22h 19m + 16m E.S.T......

Universal Time 03h 19m.....

Central Meridian (1) 293°.....

(2) 335°.....

Telescope 4"- Reflector.....

Eyepiece 130x.....

Seeing 3/10.....

Transparency 4/5.....

Remarks: Dark areas on NEB were probably spots, but seeing was not good enough to give the exact size or location.

Observer Jim Low.....

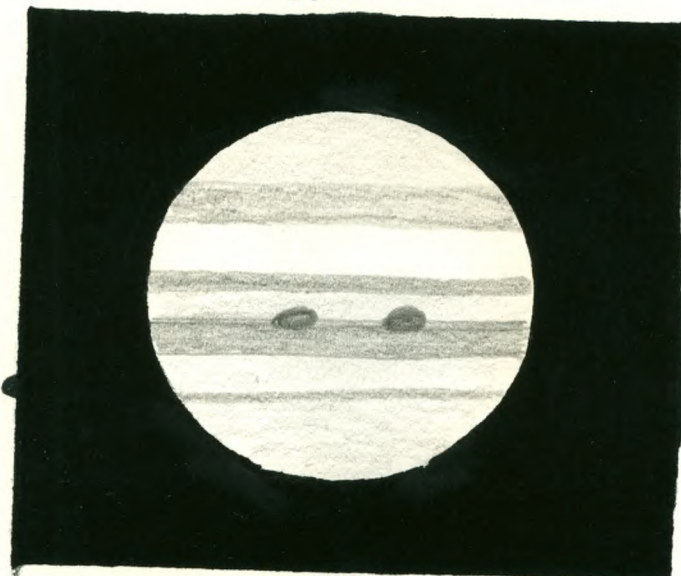
Address 411 Brixton Ave.  
St. Lambert, Que.

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date June 12/13, 1960.....

Local Time 00h. 15m. + 23m. E.S.T......

Universal Time 05h 15m.....

Central Meridian (1) 4°.....

(2) 45°.....

Telescope 4"-Reflector.....

Eyepiece 130x.....

Seeing 4/10.....

Transparency 4 1/2 / 5.....

Remarks:

Observer Jim Low.....

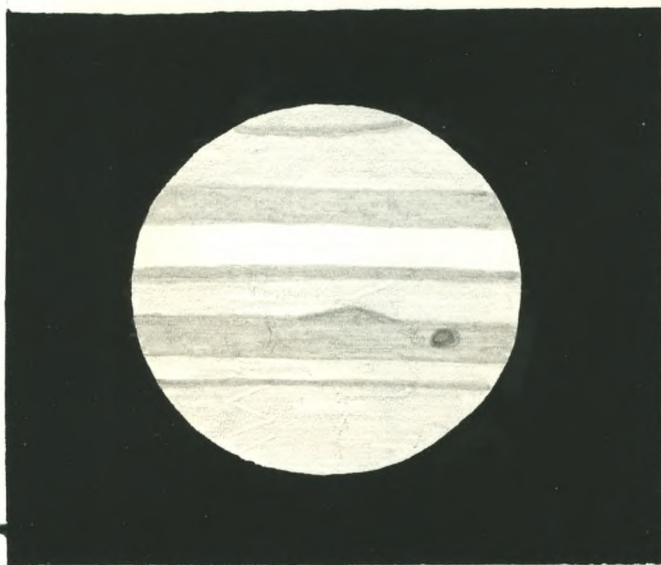
Address 411 Brixton Ave.  
St. Lambert, Que.

Telephone No. OR. 1-8675.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter .....

Date June 18/19, 1960 .....

Local Time 22h. 20m + 25m. E.S.T. .....

Universal Time 03h 20m .....

Central Meridian (1) 162° .....

(2) 159° .....

Telescope 4"-Reflector .....

Eye-piece 130x, 167x. .....

Seeing 4/10 .....

Transparency 4 1/2 / 5 .....

Remarks: Satellites I, and III were observed to be in conjunction (i.e. - forming a 90° angle with the zones of the planet) at 23h. 28m. E.S.T. (04h 28m U.T.), and they were about 20" apart.

Observer Jim Low .....

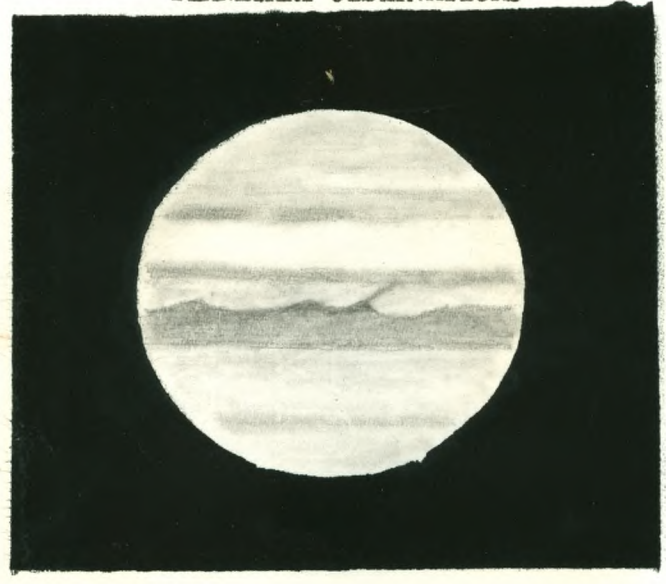
Address 411 Brixton Ave.  
St. Lambert, Que.

Telephone No. OR. 1-8675 .....

294

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *June -18-19 1960*.....

Local Time *23:30 - 23:50*.....

Universal Time *03:30 - 03:50*.....

Central Meridian (1) .....

(2) .....

Telescope *8" Refle.*.....

Eyepiece *165x*.....

Seeing *2-3*.....

Transparency *2*.....

Remarks: *more detail visible at intervals, could not be recorded due to bad seeing conditions*

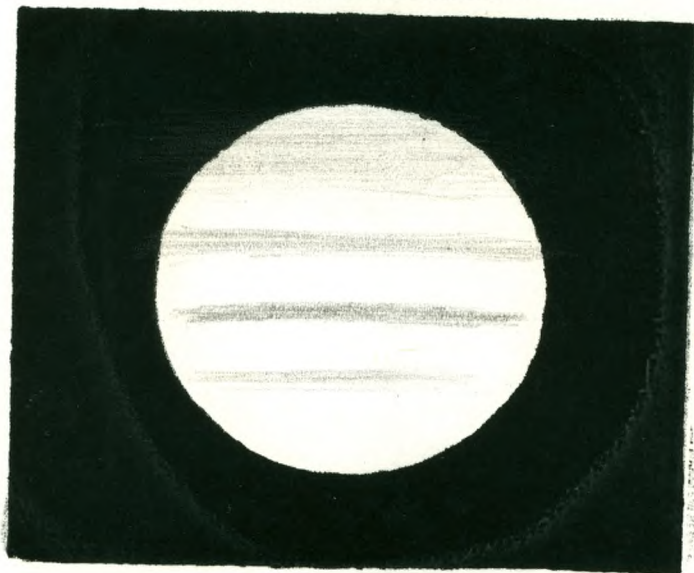
Observer *K. R. Branch*.....

Address .....

Telephone No. ....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET

*Jupiter*

Date *June 18/19 1960*

Local Time *00.30 E.D.T.*

Universal Time *04.30*

Central Meridian (1) .....

(2) .....

Telescope *6" reflector*

Eyepiece *100X*

Seeing *good*

Transparency *very good*

Remarks:

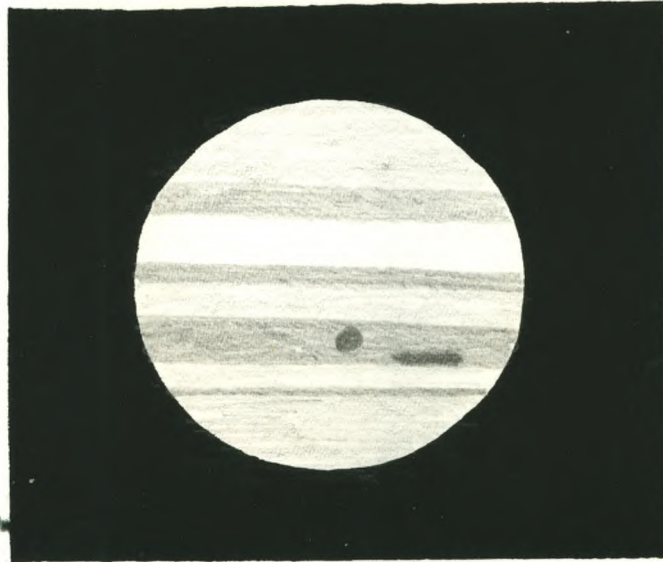
Observer *Vic Williams*

Address *1857 Av. Ave.*

Telephone No. *CL5-1657*

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter .....

Date June 18/19, 1960 .....

Local Time 00h. 48m. + 11m. E.S.T. .....

Universal Time 05h. 48m. .....

Central Meridian (1) 252° .....

(2) 248° .....

Telescope 4"-Reflector .....

Eyepiece 130x .....

Seeing 4/10 .....

Transparency 4/5 .....

Remarks:

Observer Jim Low .....

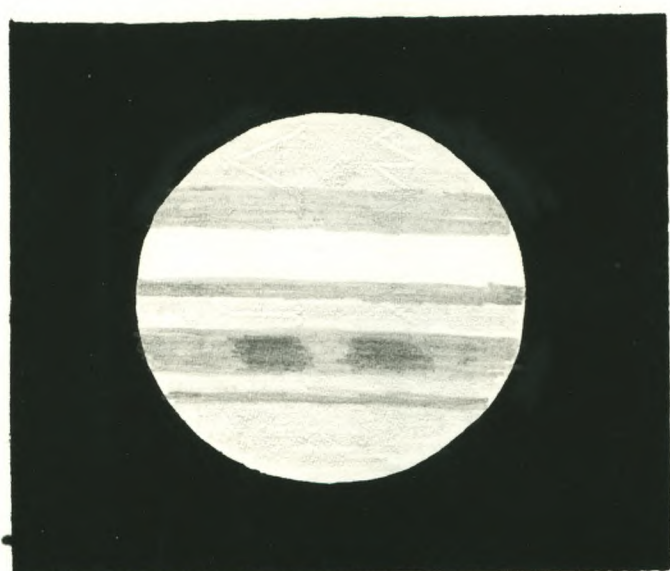
Address 411 Brixton Ave.  
St. Lambert .....

Telephone No. OR. 1-8675 .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date June 20/21, 1960.....

Local Time 2h. 45m. +10m. E.S.T......

Universal Time 02h. 45m......

Central Meridian (1) 97°.....

(2) 78°.....

Telescope 4"-Reflector.....

Eyepiece 130x.....

Seeing 2-3/10.....

Transparency 3/5.....

Remarks: This observation was made only 9h. 29m. from the time when Jupiter is nearest earth. (2<sup>d</sup> nearest ⊕ on June 21d. 12h. 14m. U.T. at 4.238969 A.U.)

Observer Jim Low.....

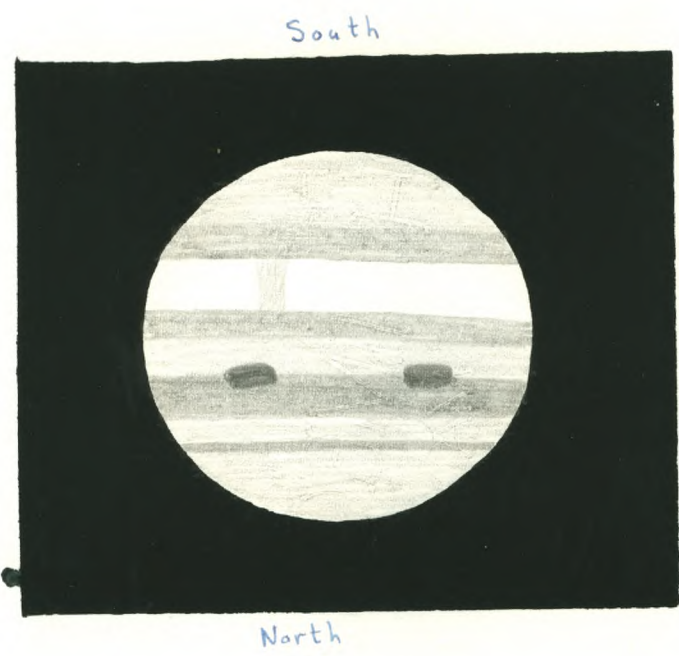
Address All Brixton Ave.  
St. Lambert.

Telephone No. OR-1-8675.....



ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter .....

Date June 21/22, 1960 .....

Local Time 21h 41m + 9m E. S. T. .....

Central Meridian (1) 253° .....

Telescope 4"-Reflector .....

Seeing 4-5/10 .....

Remarks:

Universal Time 02h 41m - .....

(2) 226° .....

Eyepiece 130x & 167x .....

Transparency 4/5 .....

Observer Jim Low .....

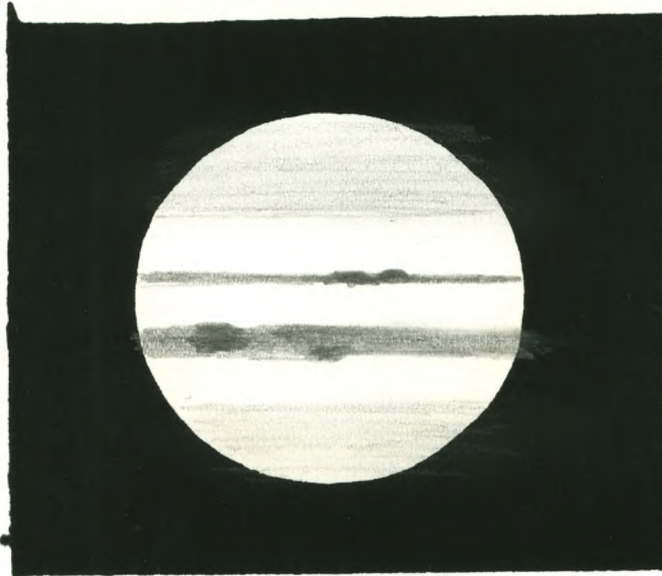
Address 411 Brixton Ave. .....

St. Lambert

Telephone No. OR.1-8675 .....

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Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JULY 2/4 1960.....

Local Time 21:55.....

Universal Time 01:55.....

Central Meridian (1) 320°.....

(2) 203°.....

Telescope 6.5" REFRACTOR.....

Eyepiece 222x.....

Seeing 3-4.....

Transparency 4.....

Remarks:

Observer J. Meedy.....

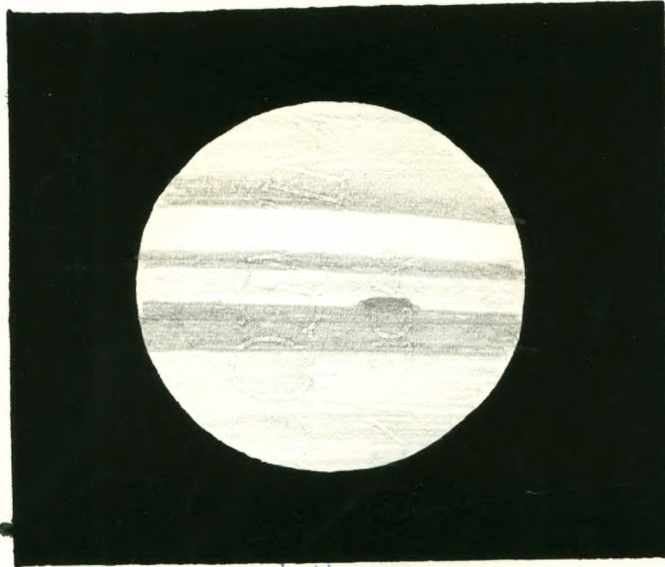
Address .....

Telephone No. ....

33  
32

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter .....

Date July 8/9, 1960 .....

Local Time 21h. 21m. P. S. T. +6m. .....

Universal Time 05h. 21m. .....

Central Meridian (1) 157° .....

(2) 359° .....

Telescope 4"- Reflector .....

Eyepiece 130x .....

Seeing 3/10 .....

Transparency 4 to 5/5 .....

Remarks: Note that time zone used is 120<sup>th</sup> merid. time or Pacific Standard.

Observer Jim Low .....

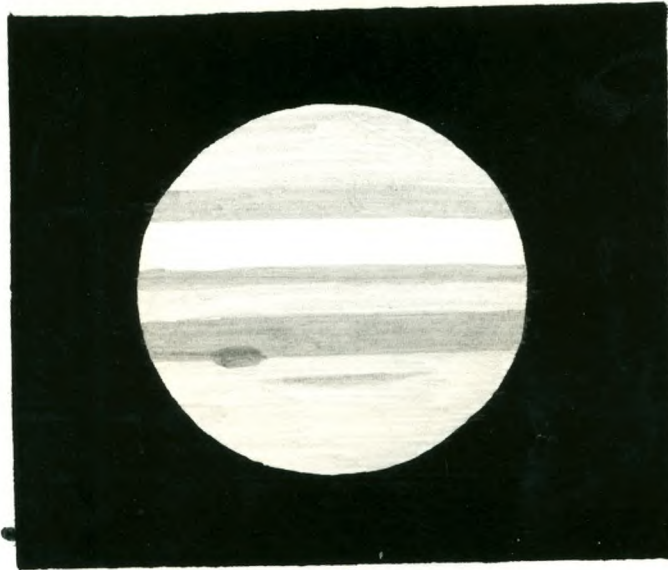
Address RCAF Station  
Dawson Creek, B.C. .....

Telephone No. ....

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Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter.....

Date July 12/13, 1960.....

Local Time 21h. 38m. +6m. P.S.T.

Universal Time 05h. 38m......

Central Meridian (1) 78°.....

(2) 101°.....

Telescope 4"- Reflector.....

Eyepiece 130X.....

Seeing 2.....

Transparency 3.....

Remarks:

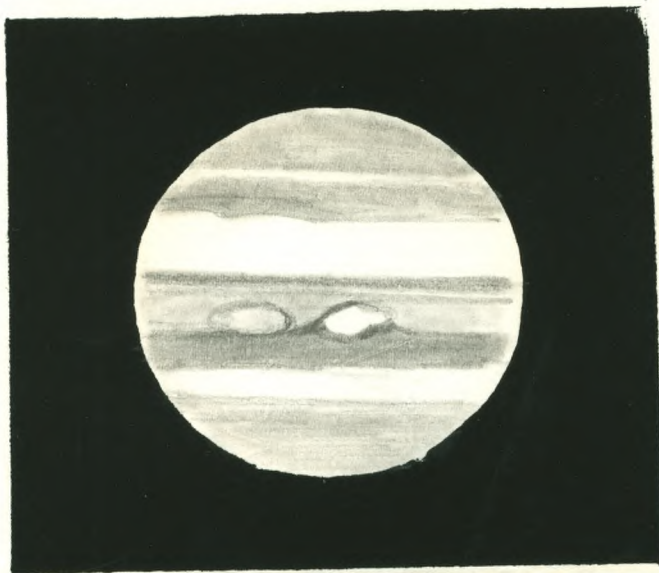
Observer Jim Low.....

Address RCAF Station  
Dawson Creek, B.C......

Telephone No.       .....

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Montreal Centre

PLANETARY OBSERVATIONS



PLANET ..... *Jupiter* .....

Date ..... *July 14-15 1960* .....

Local Time ..... *23:55 - 00:05* .....

Universal Time ..... *03:55 - 04:05* .....

Central Meridian (1) ..... *330.8* .....

(2) ..... *128.9* .....

Telescope ..... *5" Refle* .....

Eyepiece ..... *165x* .....

Seeing ..... *3* .....

Transparency ..... *4* .....

Remarks: *S.E. B. remarkably darker than previously observed and very sharp outlined.*

Observer ..... *K.R. Brasch* .....

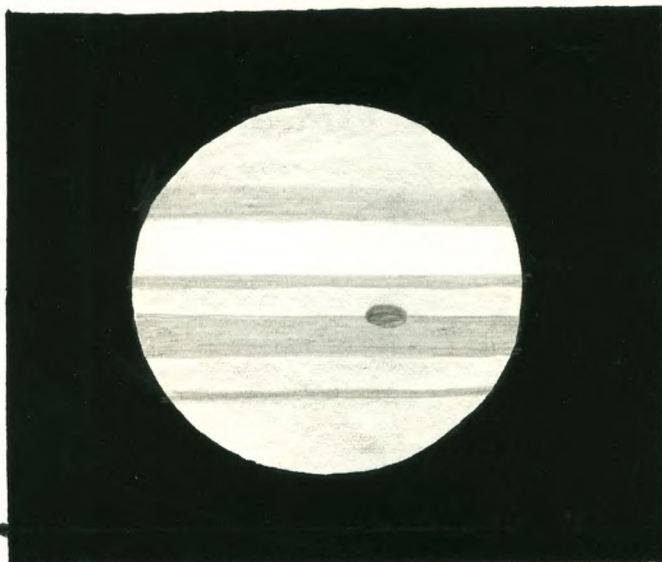
Address .....

Telephone No. ....

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Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter .....

Date July 14/15, 1960 .....

Local Time 20h.56m. +5m. P.S.T. .....

Universal Time 04h.56m. .....

Central Meridian (1) 9° .....

(2) 166° .....

Telescope 4"-Reflector .....

Eyepiece 130x .....

Seeing 3/10 .....

Transparency 4/5 .....

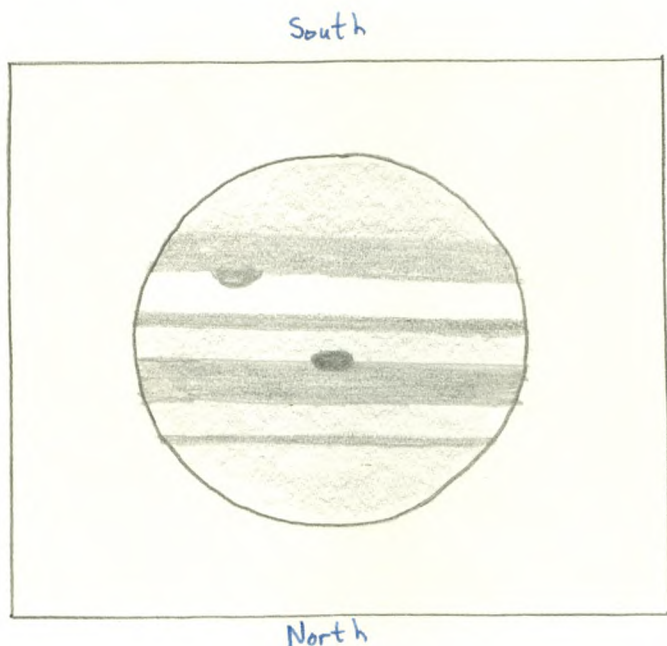
Remarks:

Observer Jim Low .....

Address RCAF Station .....

Dawson Creek, B.C.

Telephone No. ....



PLANET: Jupiter

Date: July 14/15, 1960

Local Time: 21h. 34m. + 7m. P.S.T.

Universal Time: 05h. 34m.

Central Meridian: (1)  $32^\circ$

(2)  $187^\circ$

Telescope: 4" Reflector.

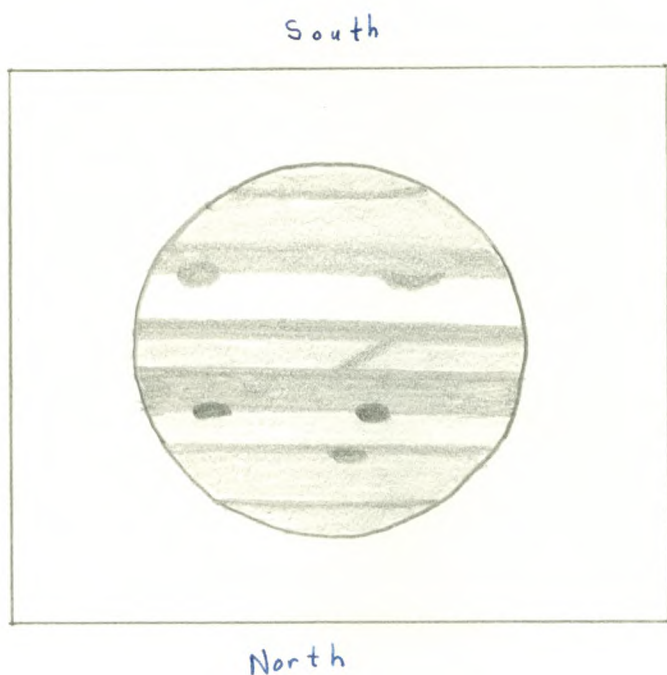
Eyepiece: 130x, 167x.

Seeing:  $4/10$

Transparency:  $4^+ / 5$

Observer: Jim Low

Address: RCAF Station  
Dawson Creek, B.C.



PLANET: Jupiter

Date: July 16/17, 1960.

Local Time: 21h. 44m. + 17m. P.S.T.

Universal Time: 05h. 44m.

Central Meridian: (1)  $354^\circ$

(2)  $136^\circ$

Telescope: 4"-Reflector

Eye-piece: 130X, 167X.

Seeing:  $6/10$

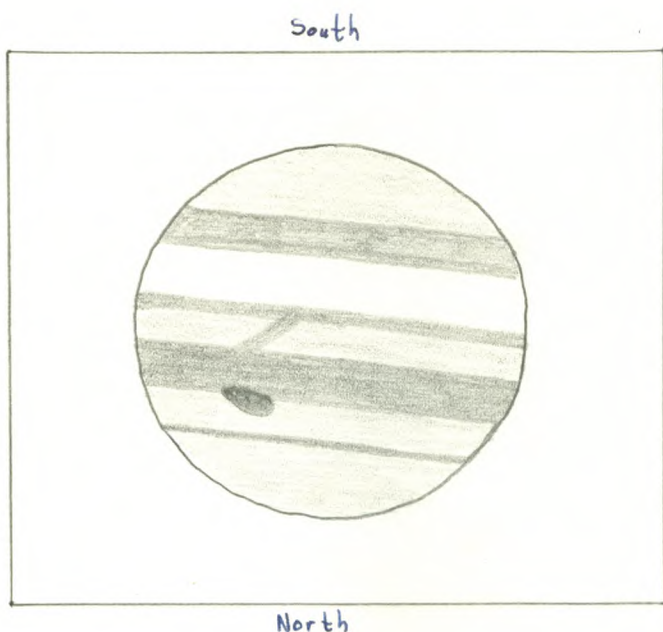
Transparency:  $4/5$

Remarks: Although the seeing was only 6 at Jupiters altitude, it was 8 high in the sky.  $\epsilon$  Lyr (double-double) was very easy, and I est. that the resolving power at that time was about 0.5", although in theory, my telescope should resolve down to 1.2" only.

Observer: Jim Low

Address: RCAF Station  
Dawson Creek, B.C.





PLANET: Jupiter

Date: July 17/18, 1960.

Local Time: 20h. 47m. +11m. P.S.T.

Central Meridian: (1)  $117^\circ$

Telescope: 4" - Reflector

Seeing:  $4/10$

Universal Time: 04h. 47m.

(2)  $252^\circ$

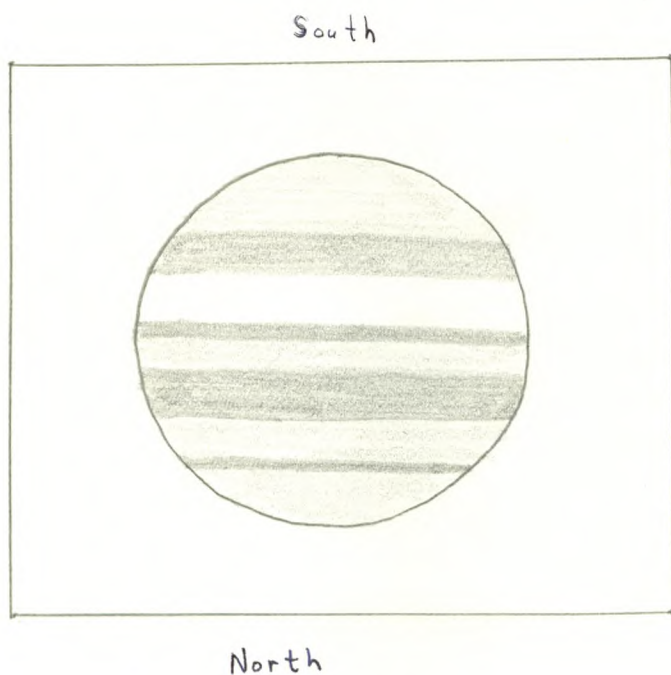
Eyepiece: 130x, 167x.

Transparency:  $4/5$

Observer: Jim Low

Address: RCAF Station

Dawson Creek, B.C.



PLANET: Jupiter.

Date: July 18/19, 1960.

Local Time: 20h. 48m. +5m. P.S.T.

Central Meridian: (1)  $276^\circ$

Telescope: 4" - Reflector

Seeing: 3

Universal Time: 04h. 48m.

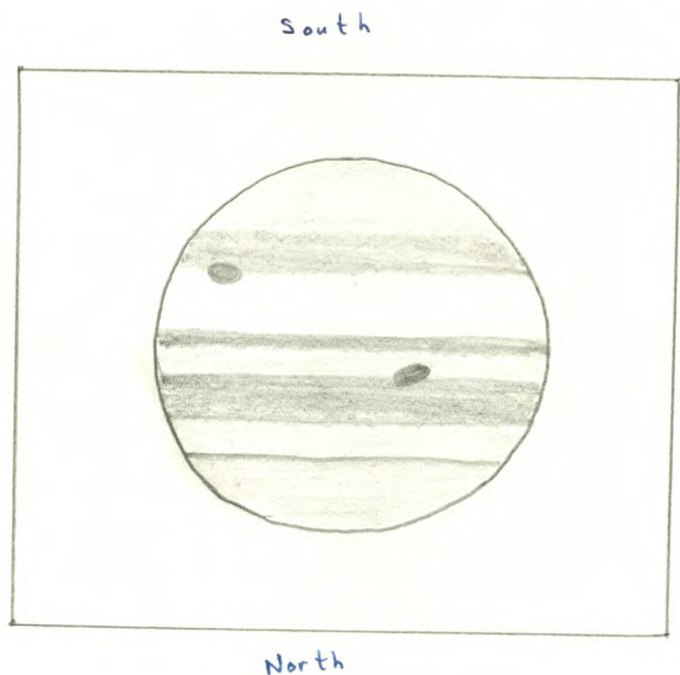
(2)  $43^\circ$

Eyepiece: 130x.

Transparency:  $4\frac{1}{2}$

Observer: Jim Low

Address: RCAF Station  
Dawson Creek, B.C.



PLANET: Jupiter.

Date: July 19/20, 1960.

Local Time: 20h. 43m. +12m. P.S.T.

Universal Time: 04h. 43m.

Central Meridian: (1)  $70^\circ$

(2)  $190^\circ$

Telescope: 4" - Reflector

Eyepiece: 130x, 167x.

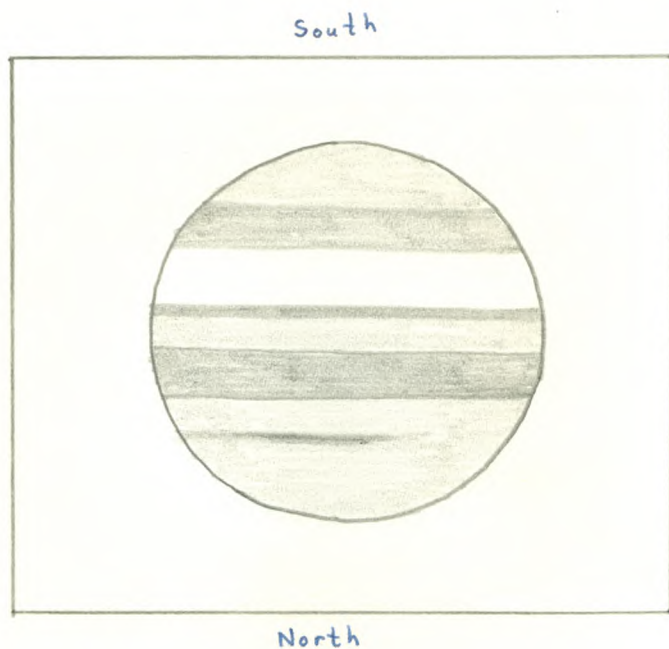
Seeing: 4/10

Transparency: 4/5.

Observer: Jim Low

Address: RCAF Station

Dawson Creek, B.C.



PLANET: Jupiter.

Date: July 23/24, 1960.

Local Time: 20h.53m. +7m. P.S.T.

Universal Time: 04h.53m.

Central Meridian: (1)  $348^\circ$

(2)  $77^\circ$

Telescope: 4"-Reflector.

Eyepiece: 130x.

Seeing: 4/10

Transparency: 4/5

Remarks: Satellites II and III were very near each other. At 21h.00m. P.S.T., they were seen as one ellipse but twilight made it hard to see them. At 21h.17m. P.S.T., they were about 4" apart, and moving away from each other.



Observer: Jim Low

Address: RCAF Station

Dawson Creek, B.C.

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Montreal Centre

PLANETARY OBSERVATIONS



PLANET ..... *Jupiter* .....

Date ..... *July 25 - 26 1960* .....

Local Time ..... *22:30 P.S.T.* .....

Universal Time ..... *02:30* .....

Central Meridian (1) ..... *216.6* .....

(2) ..... *291.0* .....

Telescope ..... *3" Refr.* .....

Eyepiece ..... *100x* .....

Seeing ..... *4* .....

Transparency ..... *3* .....

Remarks: *Toronto*

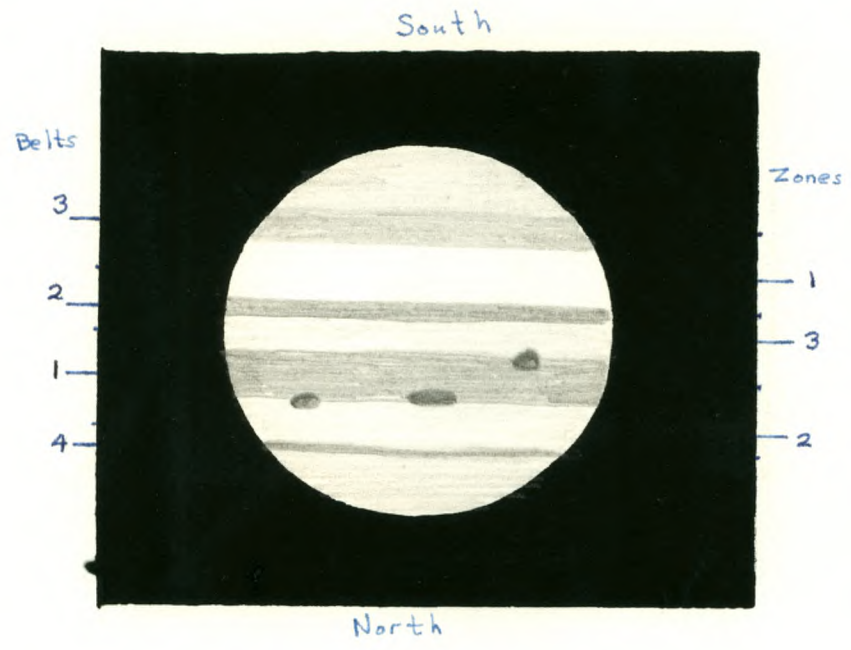
Observer ..... *K.B. Branch* .....

Address .....

Telephone No. ....

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Montreal Centre

PLANETARY OBSERVATIONS



Planet Jupiter.....

Date July 26/27, 1960..... Observer Jim Low.....

Local Time 20h 44m + 19m P.S.T...... Universal Time 04h 44m.....

Central Meridian (1) 97°..... (2) 163°.....

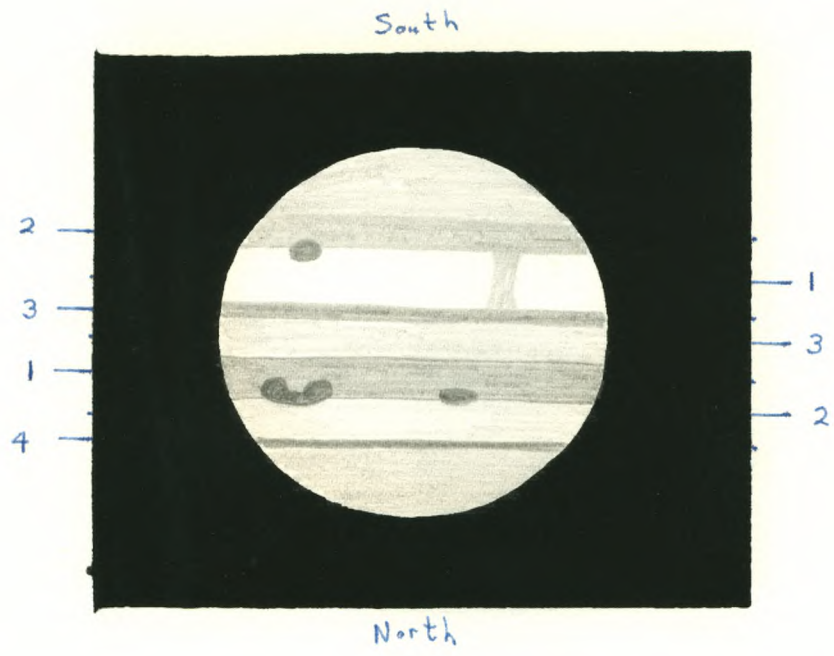
Telescope 4" - Reflector..... Eyepiece 130x, 167x.....

Seeing 6..... Transparency 5.....

Remarks : Numbers indicate conspicuousness of belts and zones, and 1 is the most conspicuous.

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PLANETARY OBSERVATIONS



Planet Jupiter.....

Date July 27/28, 1960.....

Observer Jim Low.....

Local Time 20h 47m + 11m P.S.T......

Universal Time 04h. 47m......

Central Meridian (1) 258.....

(2) 316.....

Telescope 4"-Reflector.....

Eyepiece 130x, 167x......

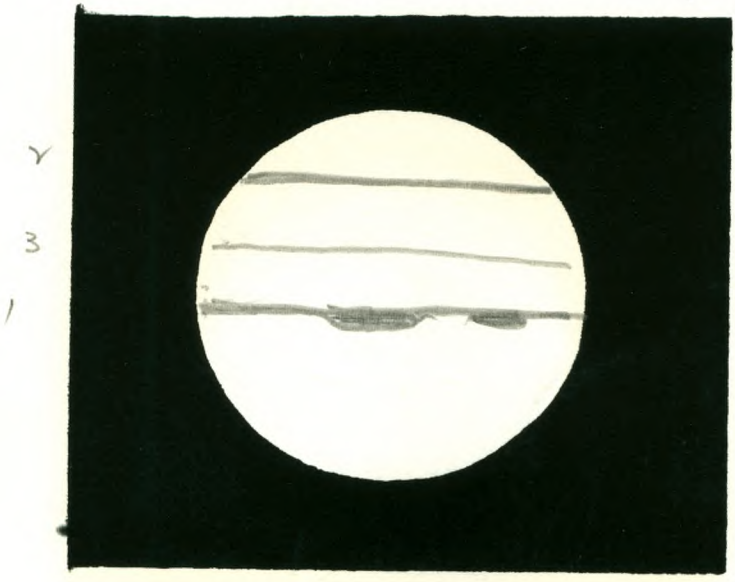
Seeing 6.....

Transparency 5.....

Remarks : The SEB<sub>n</sub> and STB are very nearly the same in conspicuousness.

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PLANETARY OBSERVATIONS



Planet ..... *Jupiter* .....

Date ..... *July 28/29 - 60* ..... Observer ..... *Louise Duchon* .....

Local Time ..... *10:35* ..... Universal Time ..... *0235* .....

Central Meridian (1) ..... (2) ..... *25* .....

Telescope ..... *4 1/4 Reflector* ..... Eyepiece ..... ~~*x20*~~ *45* .....

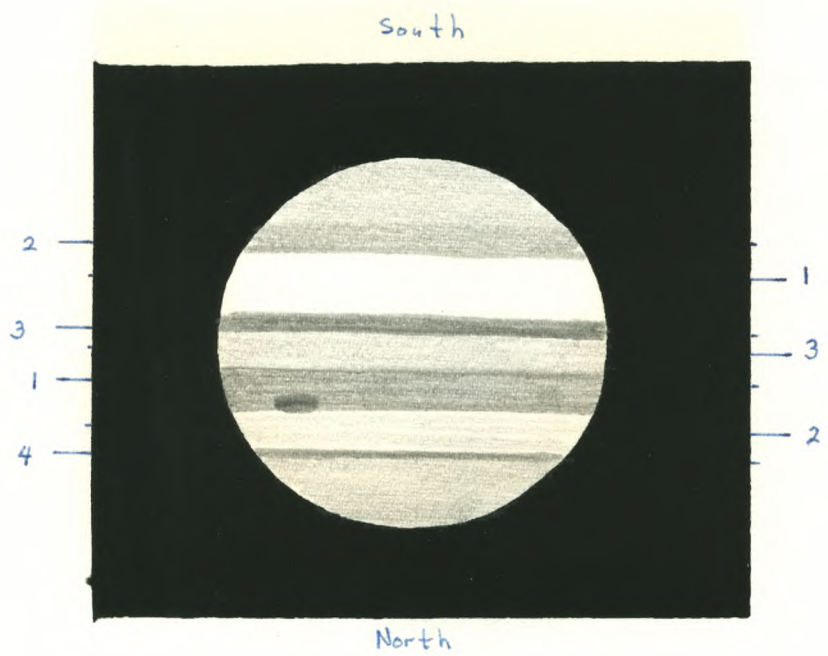
Seeing ..... *2* ..... Transparency ..... *7/4* .....

Remarks : *Red spot glimpsed for an instant*



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PLANETARY OBSERVATIONS



Planet Jupiter .....

Date July 28/29, 1960 .....

Observer Jim Low .....

Local Time 21h 16m + 9m P.S.T. .....

Universal Time 05h 16m .....

Central Meridian (1) 72° .....

(2) 123° .....

Telescope 4"- Reflector .....

Eyepiece 130x .....

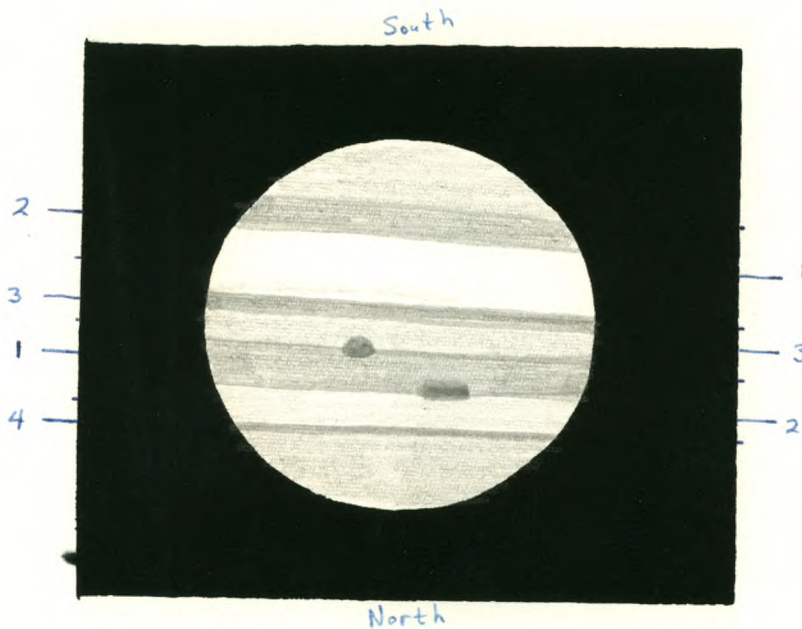
Seeing 4 .....

Transparency var. 1-5 .....

Remarks :

Royal Astronomical Society of Canada  
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PLANETARY OBSERVATIONS



Planet Jupiter .....

Date July 29/30, 1960 .....

Observer Jim Low .....

Local Time 20h 37m + 12m P.S.T. .....

Universal Time 04h 37m .....

Central Meridian (1) 206° .....

(2) 249° .....

Telescope 4"- Reflector .....

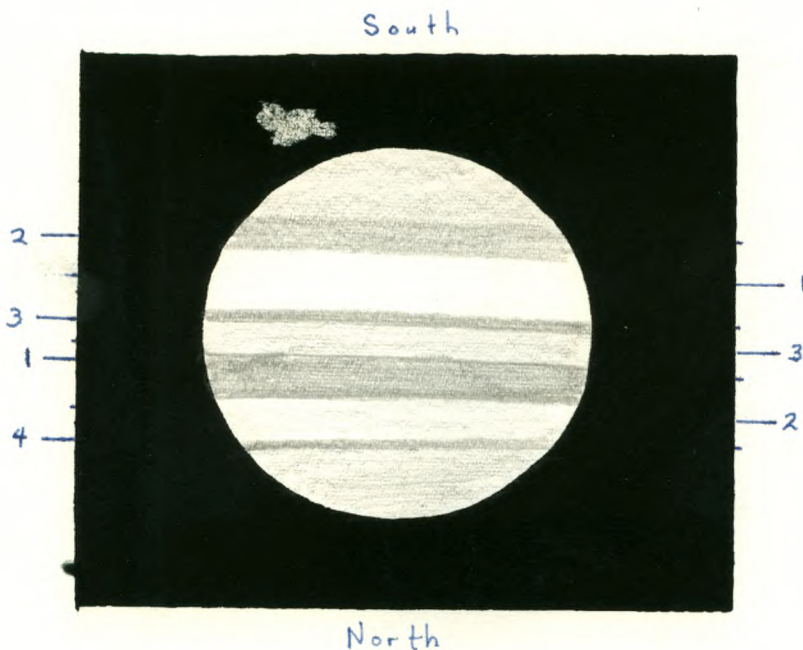
Eyepiece 130x, 167x .....

Seeing 5 .....

Transparency 5 .....

Remarks :

PLANETARY OBSERVATIONS



Planet Jupiter .....

Date July 30/31, 1960 .....

Observer Jim Low .....

Local Time 21h. 25m. +5m. P.S.T. .....

Universal Time 05h. 25m. .....

Central Meridian (1) 33° .....

(2) 329° .....

Telescope 4"-Reflector .....

Eyepiece 130x .....

Seeing 3 .....

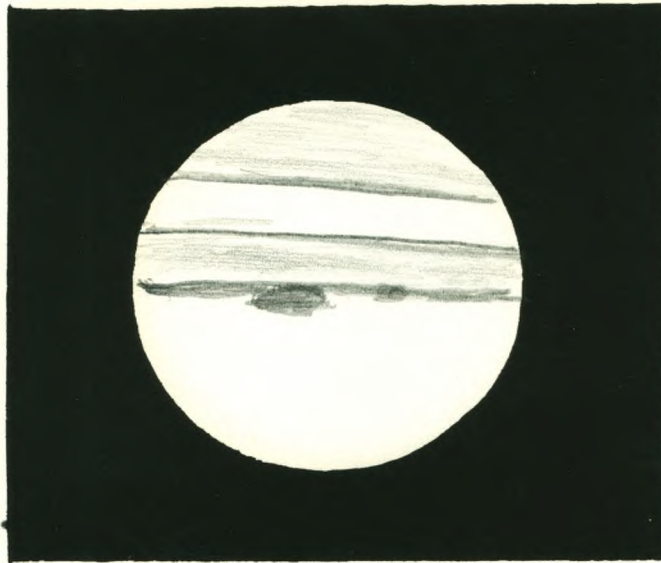
Transparency 4 .....

Remarks :

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PLANETARY OBSERVATIONS

3  
2  
1



Planet *Jupiter*

Date *15.70 July 31 Aug 1/60* Observer *Louis Budow*

Local Time *10.20* Universal Time *0220*

Central Meridian (1) ..... (2) .....

Telescope *4 1/2 Reflector* Eyepiece *~~20x~~ 45*

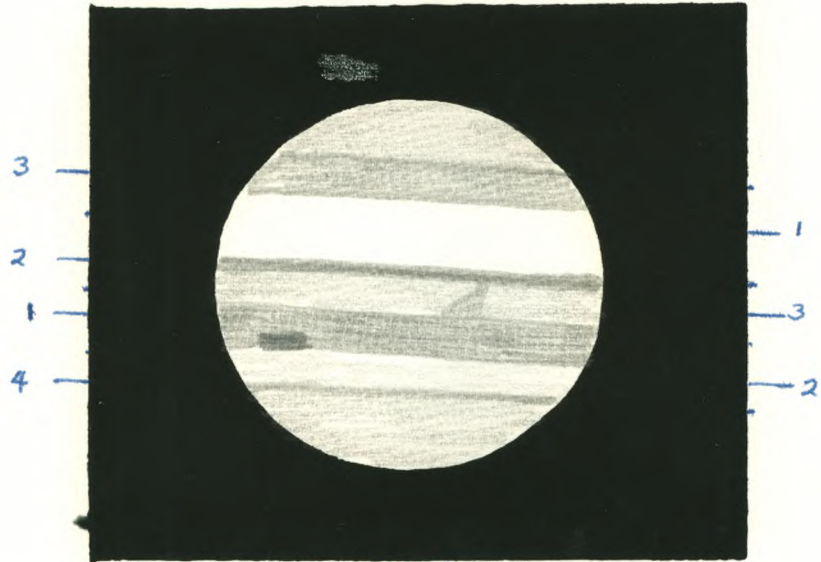
Seeing *2* Transparency *63*

Remarks :

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

Planet Jupiter .....

Date July 31/32, 1960 .....

Observer Jim Low .....

Local Time 20h. 33m. + 10m. P.S.T. .....

Universal Time 04h. 33m. .....

Central Meridian (1) 159° .....

(2) 187° .....

Telescope 4"-Reflector .....

Eyepiece 130x. .....

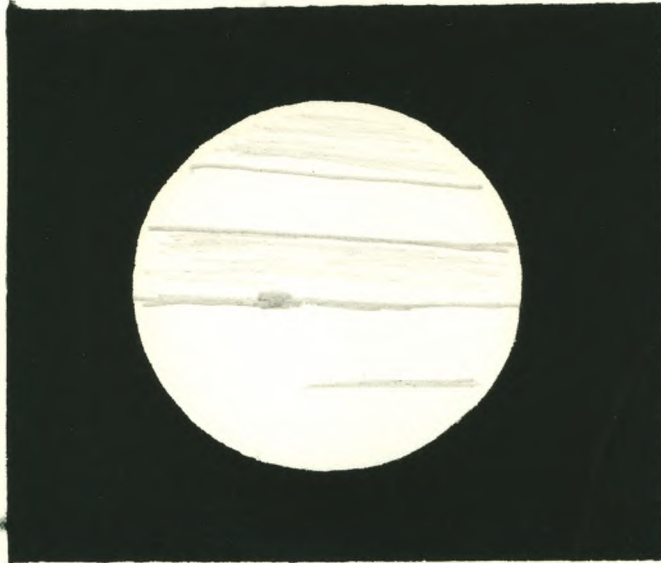
Seeing 4 .....

Transparency 4 .....

Remarks :

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Montreal Centre

PLANETARY OBSERVATIONS



2  
3  
1  
4

Planet *Jupiter* .....

Date *Aug-3/60* .....

Observer *Louis R. Duchow* .....

Local Time *10:55* .....

Universal Time *0755* .....

Central Meridian (1) .....

(2) .....

Telescope *4 1/4 reflector* .....

Eyepiece ~~30x~~ *45x* .....

Seeing *4* .....

Transparency *7/4* .....

Remarks :

: 0 . .

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PLANETARY OBSERVATIONS



Planet Jupiter .....

Date August 2/3, 1960 .....

Observer Jim Low .....

Local Time 20h 29m +13m P.S.T. .....

Universal Time 04h. 29m. .....

Central Meridian (1) 113° .....

(2) 126° .....

Telescope 4" - Reflector .....

Eyepiece 130x, 167x. .....

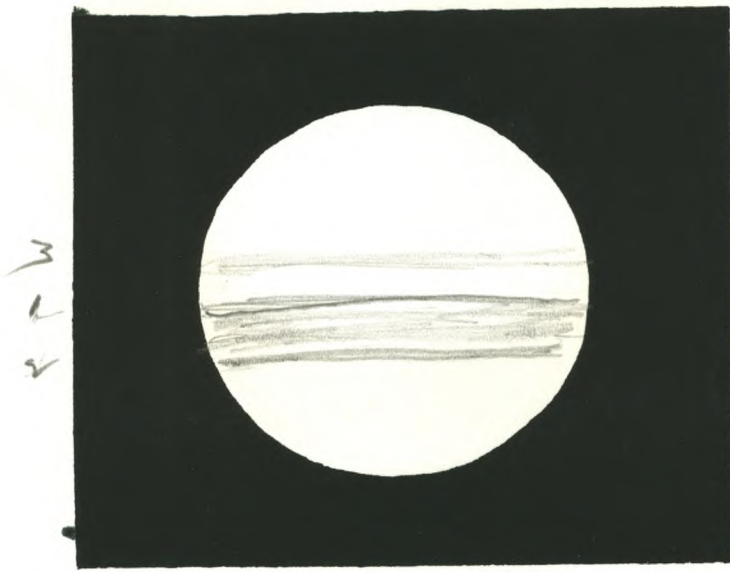
Seeing 6+ .....

Transparency 4 .....

Remarks :

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PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *Aug 4-5/60*

Local Time *9:37*

Universal Time *0137*

Central Meridian (1) .....

(2) .....

Telescope *4 1/4" Reflector*

Eyepiece *x70 45*

Seeing *1*

Transparency *2*

Remarks:



Observer *Louis Duchon*

Address *5987 Macdonald*

Telephone No. ....



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PLANETARY OBSERVATIONS



Planet Jupiter .....

Date August 5/6, 1960 .....

Observer Jim Low .....

Local Time 20h 47m. +12m. P.S.T. .....

Universal Time 04h. 47m. .....

Central Meridian (1) 273° .....

(2) 227° .....

Telescope 4"-Reflector .....

Eyeiece 130x .....

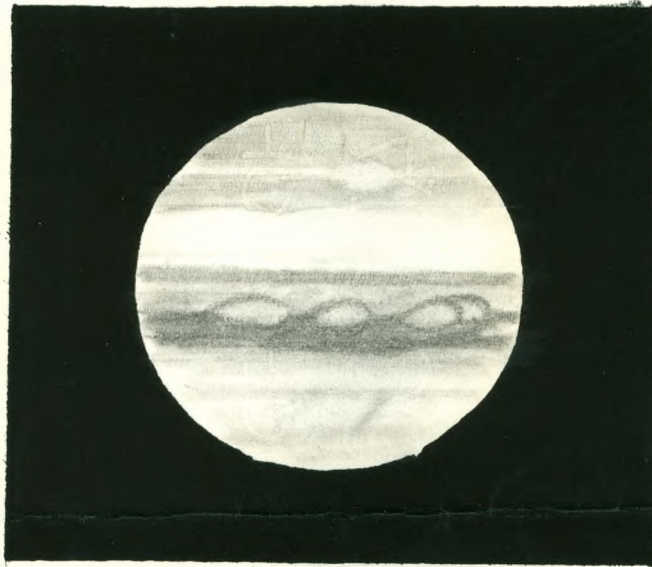
Seeing 3 .....

Transparency var. 3 to 5 .....

Remarks :

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PLANETARY OBSERVATIONS



PLANET .....

Date ... *Aug. 6-7* ... 1960 ...

Local Time ... *21:20 - 21:35* ...

Universal Time ... *01:20 - 01:35* ...

Central Meridian (1) ... *268.7* ...

(2) ... *252* ...

Telescope ... *8" Refl.* ...

Eyepiece ... *185x* ...

Seeing ... *3-5* ...

Transparency ... *2-3* ...

Remarks: *Extremely fine definition. Previously unobserved objects: white oval in 5TeZ and yellow in NNTeZ*  
*FA*

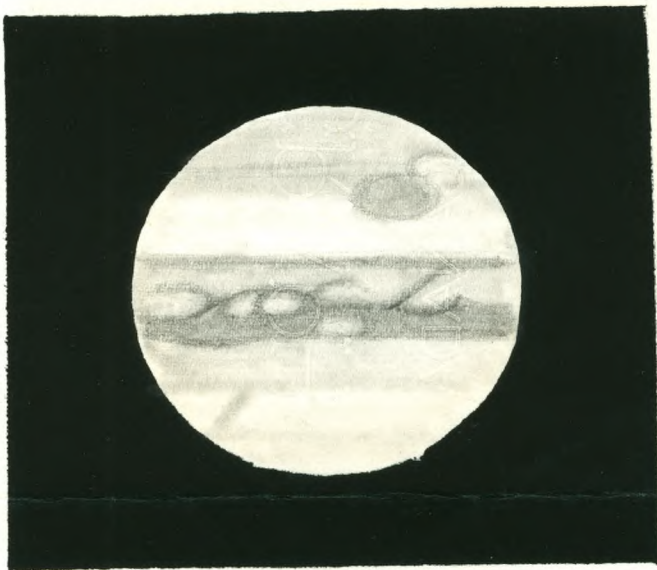
Observer ... *K.R. Brasch* ...

Address .....

Telephone No. ....

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PLANETARY OBSERVATIONS



APR 1960  
8" x 16"  
3

PLANET *Jupiter*.....

Date ... *Aug. 6-7* ..... 1960.

Local Time ... *23:30 23:45* .....

Universal Time ... *03:30 03:45* .....

Central Meridian (1) ... *348* .....

(2) ... *330.4* .....

Telescope ... *8" Refl.* .....

Eyepiece ... *16.5x* .....

Seeing ... *3-5* .....

Transparency ... *2-3* .....

Remarks: *Enormous detail visible under good conditions,  
R.S. appeared pink yellowed by an oval gap in NNTeZ  
newly observed cloud object in NEB clearly visible at  
approx. ~~319~~° 319.6°; having streak moved considerably to left*

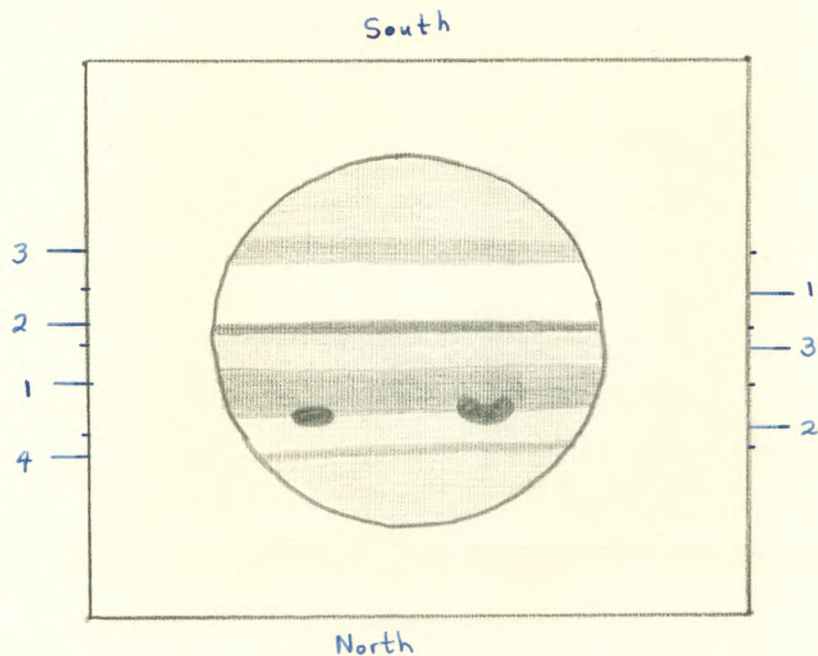
Observer ... *K.R. Brasch* .....

*Oval "Bc"*

Address .....

Telephone No. ....

*Reproduces in Skyward Jan. 61*



Planet: Jupiter

Date: August 6/7, 1960

Local Time: 21h. 20m. +11m. P.S. T.

Central Meridian (1)  $55^\circ$

Telescope: 4"- Reflector

Seeing: 4+

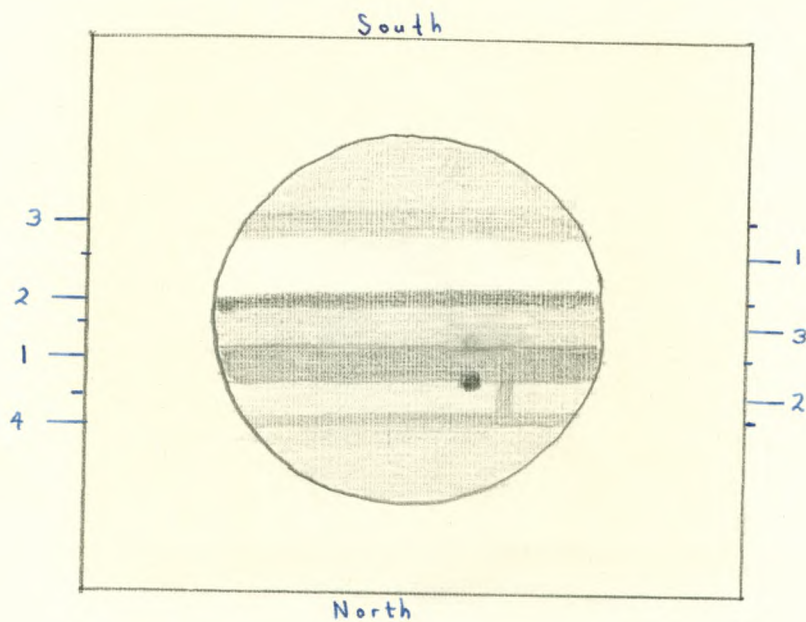
Observer: Jim Low

Universal Time: 05h. 20m.

(2)  $237^\circ$

Eyepiece: 130x., 167x.

Transparency: 1 to 4 (var.)



## Planet: Jupiter

Date: August 7/8, 1960

Local Time: 20h. 07m. +10m. P.S.T.

Central Meridian (1)  $182^\circ$ 

Telescope: 4"- Reflector

Seeing: 5

Observer: Jim Low

Universal Time: 04h. 29m.

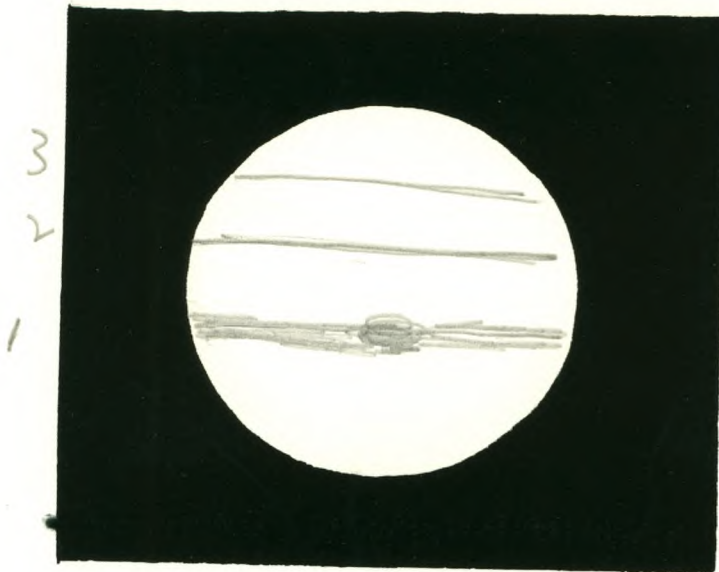
(2)  $157^\circ$ 

Eyepiece: 130x, 167x.

Transparency: 4

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PLANETARY OBSERVATIONS



Planet *Jupiter*

Date *Aug 8-9/60* ..... Observer *Louis R. Audouin* .....

Local Time *9.28* ..... Universal Time .....

Central Meridian (1) ..... (2) .....

Telescope *4 1/4 Reflector* ..... Eyepiece *11.5x* .....

Seeing *2* ..... Transparency *2* .....

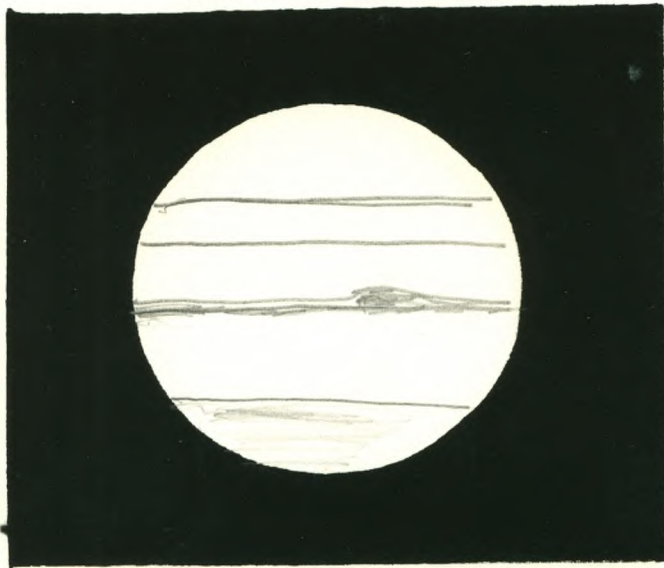
Remarks :



Comp.  
Belts

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PLANETARY OBSERVATIONS



3  
2  
1

1  
4  
2  
3

Planet *Jupiter* .....

Date *Aug 10-11/60* .....

Local Time *2211* .....

Central Meridian (1) .....

Telescope *4 1/2 Refractor* .....

Seeing *3* .....

Remarks :

Observer *Louis R. Bucher* .....

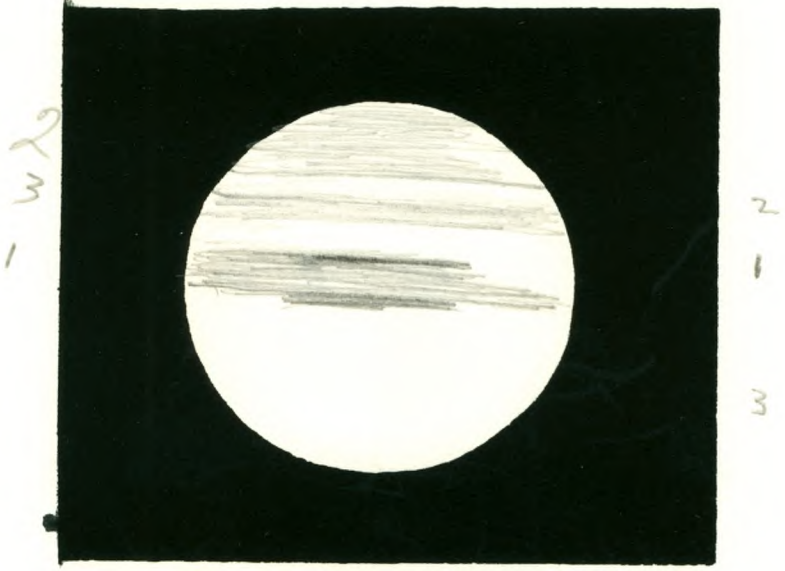
Universal Time *0211* .....

(2) .....

Eyepiece *90* .....

Transparency *6 3* .....

PLANETARY OBSERVATIONS



Planet *Jupiter* .....

Date *Aug 11-12, 1960* .....

Observer *Louis Duchon* .....

Local Time *2155* .....

Universal Time *0155* .....

Central Meridian (1) .....

(2) .....

Telescope *4 1/4 Reflector* .....

Eyepiece *115x* .....

Seeing *2* .....

Transparency *1/3* .....

Remarks :

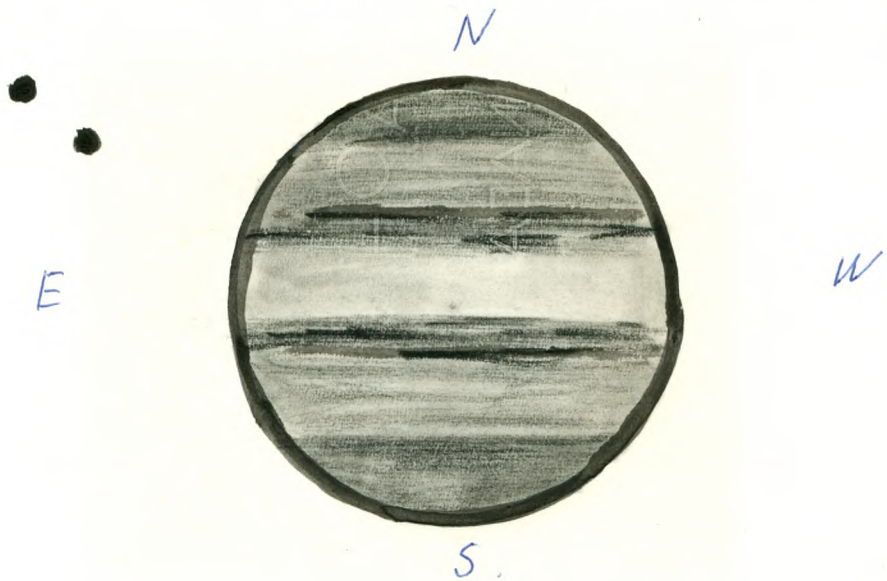




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PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *16 aout 1960*

Local Time *22 hrs 25 mtes*

Universal Time *18 hrs 25 mtes*

Central Meridian (1) .....

(2) .....

Telescope *Refractor 3 inches*

Eyepiece *3/4*

Seeing *8*

Transparency *3*

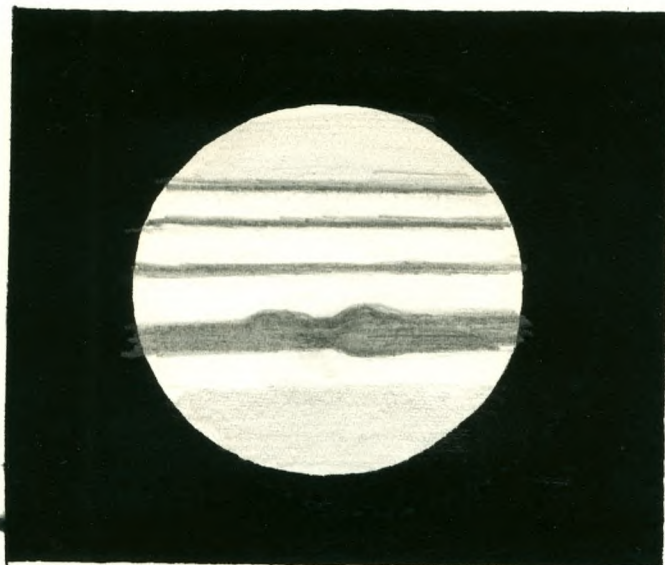
Remarks: *Aurore boréale - partant du zénith s'étendant partout presque jusqu'à l'horizon. Au Nord Ouest, les rayons prennent la forme de rideaux, couleur verdâtre très pâle la forme de l'aurore au zénith est semblable à la nébuleuse du Crabe - J. P. Sean*

Observer *Mrs. J. P. Sean*

Address *2963 Ste Catherine Road*

Telephone No. *RE3-8408*

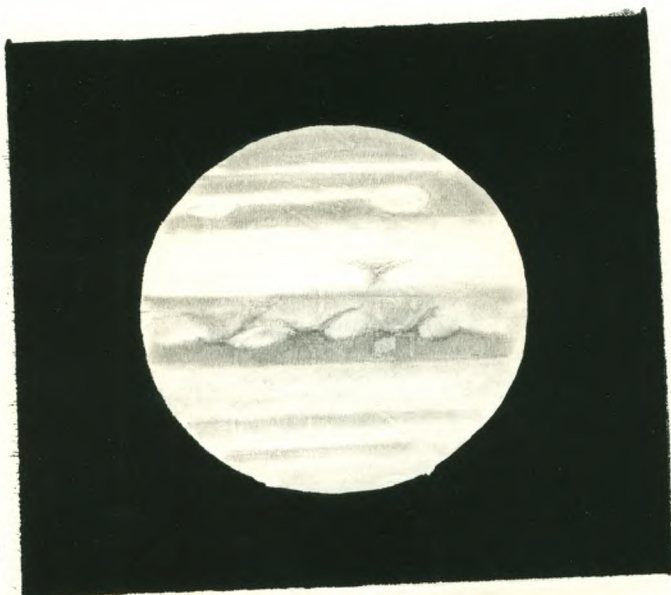
PLANETARY OBSERVATIONS



Planet JUPITER.....  
Date AUG 18/19 1960..... Observer WEDGE.....  
Local Time 20:30 EDT..... Universal Time 00:30.....  
Central Meridian (1) 332°..... (2) 224°.....  
Telescope 6.5" REFR...... Eyepiece 100x.....  
Seeing FAIR - GOOD 4-5..... Transparency 4.....  
Remarks :

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Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *Aug. 18-19*.....1960...

Local Time *21:00 - 21:30*.....

Universal Time *01:00 - 01:30*.....

Central Meridian (1) *350° Apuro*.....

(2) *255° Apx*.....

Telescope *8" Refl*.....

Eyepiece *165x*.....

Seeing *3-5*.....

Transparency *4-5*.....

Remarks:

*SS Te2 observed as a clear cut line for the first time.*

*Jestoon-like object extended from position of STB to southern edge of SEB.*

*NTB & NNTB very definite lines, darker than usual*

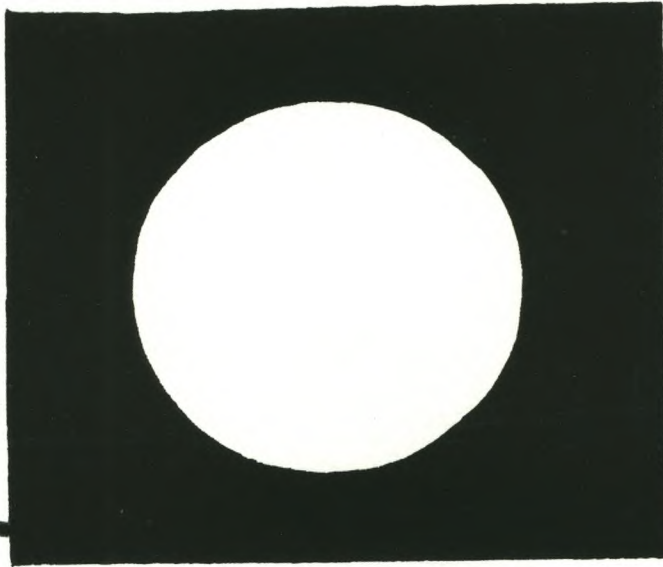
Observer *K.R. BRASCH*.....

Address .....

Telephone No. ....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter* .....

Date *Aug 28/29-60* .....

Local Time *2052* .....

Universal Time *2452* .....

Central Meridian (1) .....

(2) .....

Telescope *4 1/4 Repl.* .....

Eyepiece *115X & 45X* .....

Seeing *0* .....

Transparency *0* .....

Remarks:

*attempted  
Comp. a Int Rep.  
unable to  
obtain any because  
of poor condition*



*20.31*

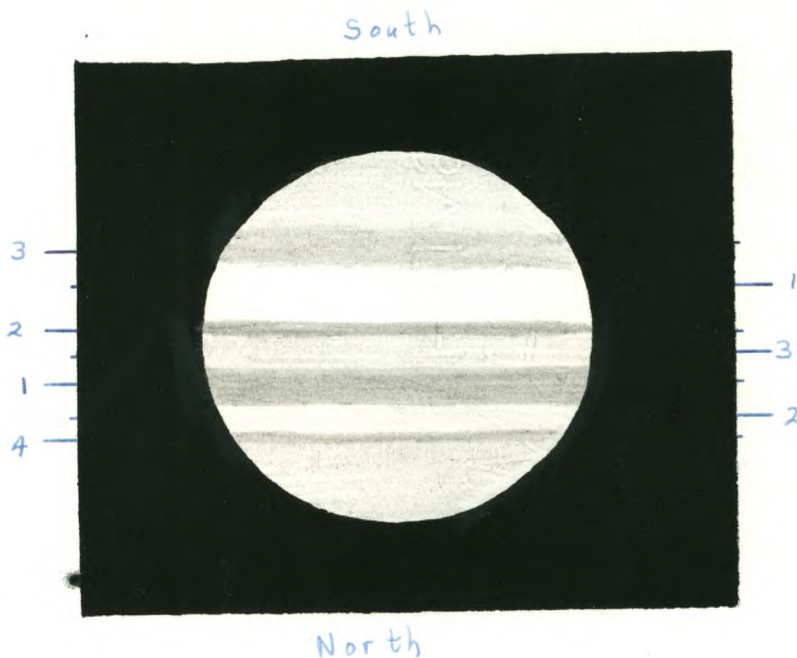
Observer *Louise R. Duchow.* .....

Address *5987 Macdonald Ave* .....

Telephone No. *RS 8-5931* .....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET .. Jupiter .....

Date .. Sept. 1/2, 1960 .....

Local Time .. 19h. 00m. +13m. P.S.T. ....

Universal Time .. 08h 00m. ....

Central Meridian (1) .. 113° .....

(2) .. 258° .....

Telescope .. 4" - Reflector .....

Eyepiece .. 130x. ....

Seeing .. 3/10 .....

Transparency .. 4/5 .....

Remarks: The sky was bright at the time of observation.

Observer .. Jim Low .....

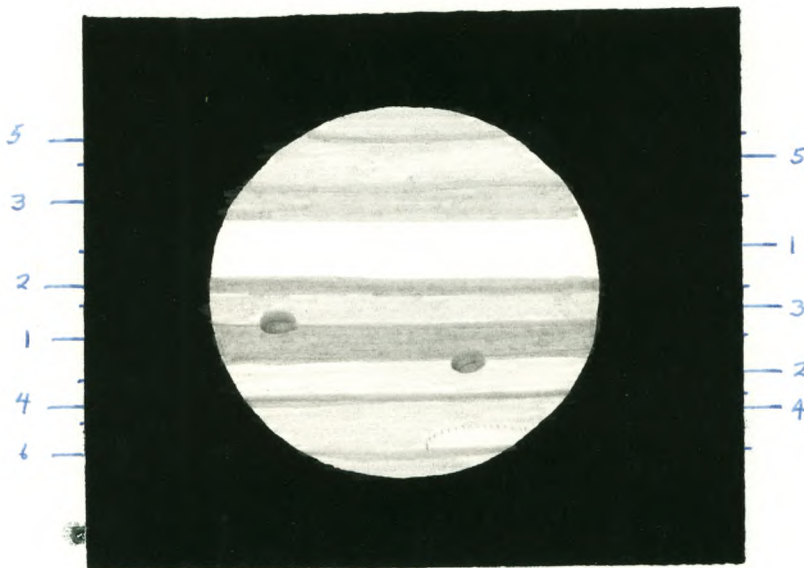
Address .. RCAF Station  
Dawson Creek, B.C. ....

Telephone No. ....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

PLANET Jupiter

Date Sept. 2/3, 1960

Local Time 19h. 16m. +15m. P.S.T.

Universal Time 03h. 16m.

Central Meridian (1) 281°

(2) 58°

Telescope 4" - Reflector

Eyepiece 130x.

Seeing 4/10

Transparency 5/5

Remarks:

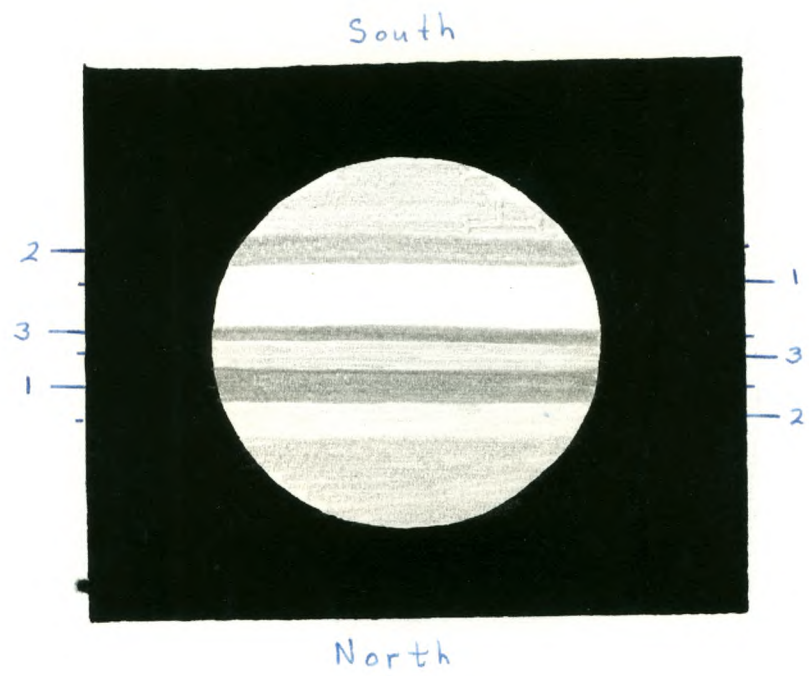
Observer Jim Low

Address RCAF Station  
Dawson Creek, B.C.

Telephone No. -

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date Sept. 3/4, 1960.....

Local Time 19h. 15m. +4m. P.S.T......

Universal Time 03h. 15m......

Central Meridian (1) 78°.....

(2) 207°.....

Telescope 4"- Reflector......

Eyepiece 65 x......

Seeing 2/10.....

Transparency 5/5.....

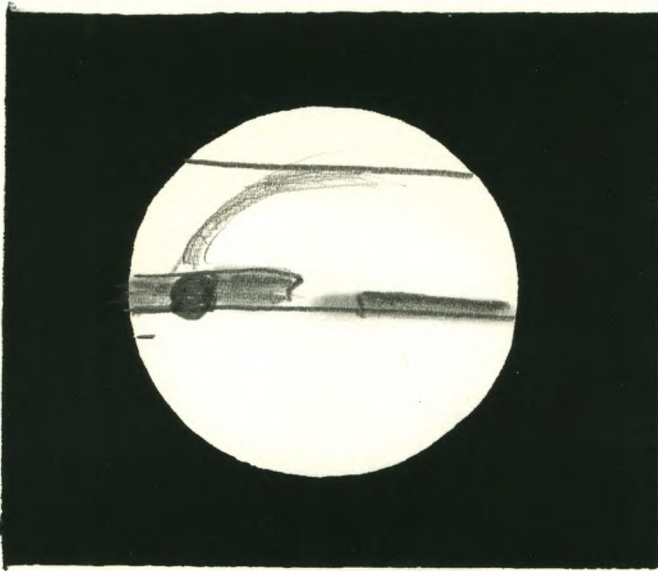
Remarks:

Observer Jim Low.....

Address RCAF Station  
Dawson Creek, B.C......

Telephone No. ....

PLANETARY OBSERVATIONS



B  
A  
C

Planet Jupiter

Date Sept 5-6/60 Observer Louis Buchow

Local Time 20.00 Universal Time 24.00

Central Meridian (1) ..... (2) .....

Telescope 4 1/4 Reflector Eyepiece 11.5x

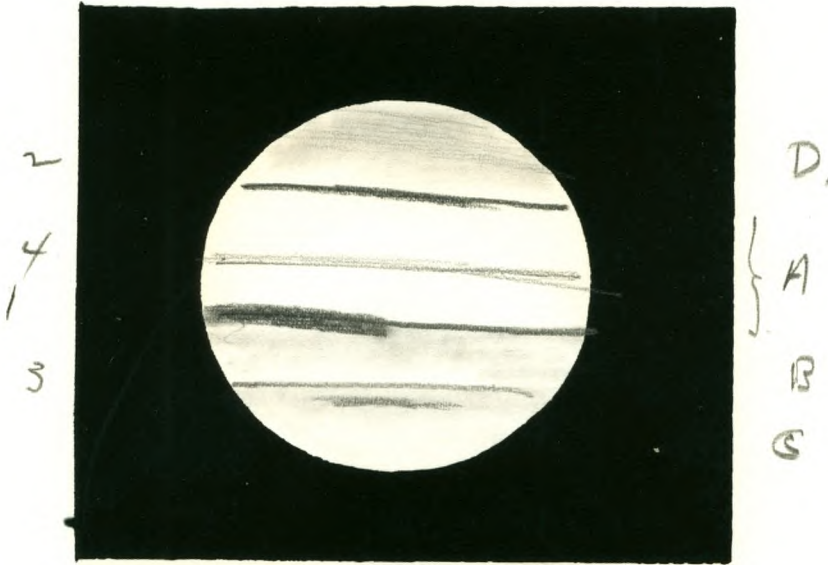
Seeing 3 Transparency 4

Remarks :

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•  
○



PLANETARY OBSERVATIONS



Planet Jupiter.....

Date Sept 5-6/60..... Observer Louis Bucher.....

Local Time 2022 EDT..... Universal Time 0022.....

Central Meridian (1) ..... (2) .....

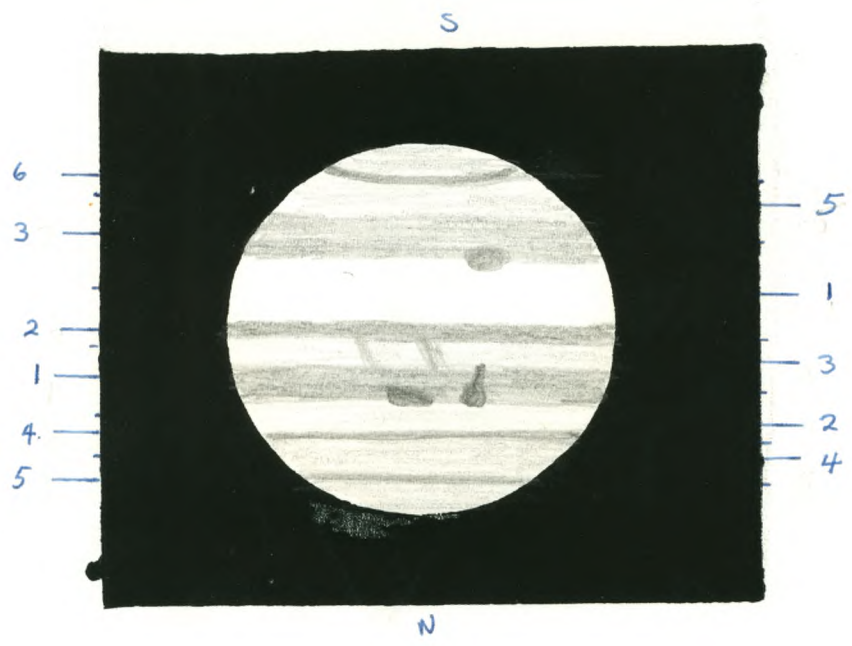
Telescope 4 1/2 Reflector..... Eyepiece 45x.....

Seeing 2..... Transparency 2.....

Remarks :

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Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date October 10/11, 1960.

Local Time 17h.43m. + 19m. E.S.T.

Universal Time 22h.43m.

Central Meridian (1) 355.....

(2) 203.....

Telescope 4" Reflector.....

Eyepiece 130x and 167x.....

Seeing 6/10.....

Transparency 4/5.....

Remarks: This was the best "seeing" I have seen around this part of Canada.

Observer Jim Low.....

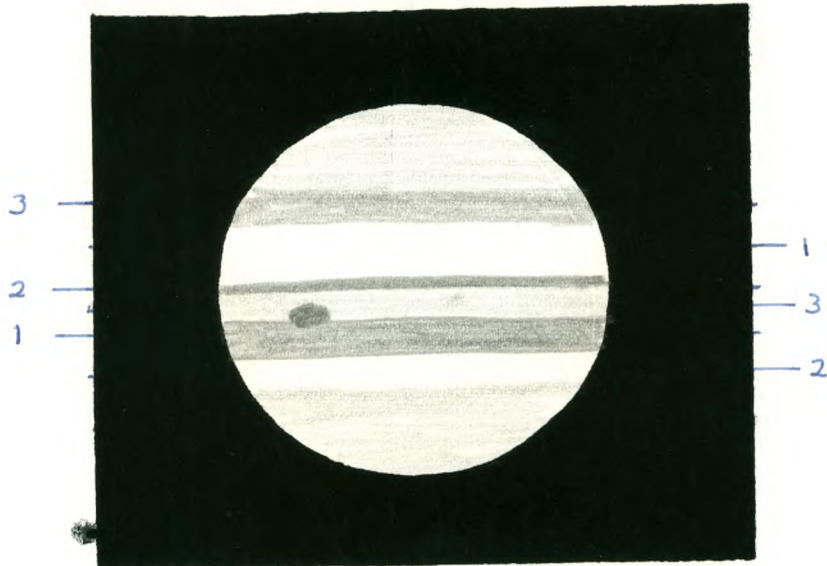
Address 411 Brixton Ave.  
St. Lambert.

Telephone No. DR. 1-8675

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS

S



N

PLANET Jupiter.....

Date Nov. 19/20, 1960......

Local Time 16h.45m. + 5m. E.S.T......

Universal Time 21h.45m......

Central Meridian (1) 140°.....

(2) 43°.....

Telescope 4"-Reflector.....

Eyepiece 130x.....

Seeing 2.....

Transparency 4.....

Remarks:

Observer Jim Low.....

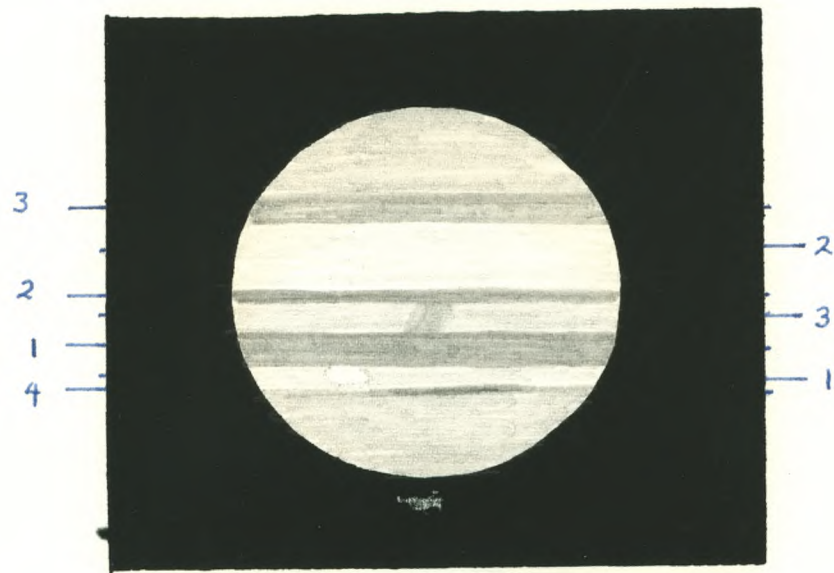
Address 411 Brixton Ave.  
St. Lambert......

Telephone No. OR. 1-8675.....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS

South



North

Planet Jupiter.....

Date Nov. 20/21, 1960.....

Observer Jim Low.....

Local Time 16h.31m. +10m. E.S.T......

Universal Time 21h.31m......

Central Meridian (1) 289°.....

(2) 185°.....

Telescope 4"-Reflector.....

Eyepiece 130x, 167x.....

Seeing 4.....

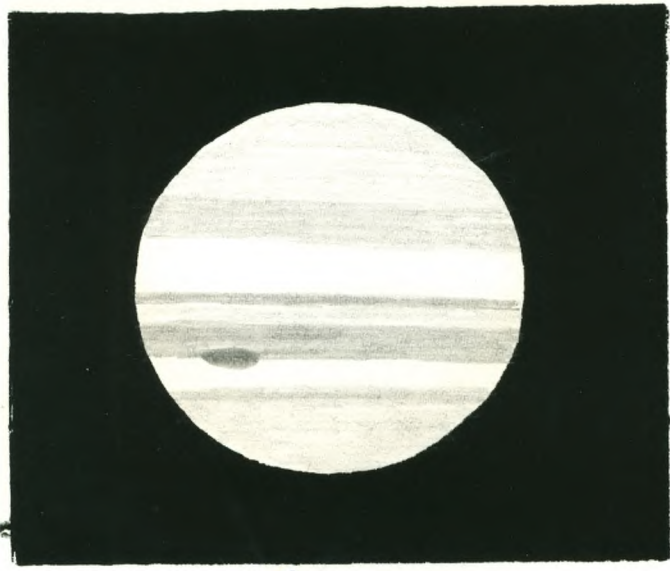
Transparency 3.....

Remarks :

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Montreal Centre

PLANETARY OBSERVATIONS

South



N.

PLANET Jupiter.....

Date Nov. 23/24, 1960.....

Local Time 15h.35m. +10m. E. S.T.....

Universal Time 20h.35m.....

Central Meridian (1) 8°.....

(2) 241°.....

Telescope 4"- Reflector.....

Eyepiece 65X, & 130X.....

Seeing 4.....

Transparency 3.....

Remarks: This is a day observation, made about 0.9 h. before sunset.  
Jupiter was a faint object compared to the bright sky,  
and it could not be seen definitely in the 4X 20mm. finder.

Observer Jim Low.....

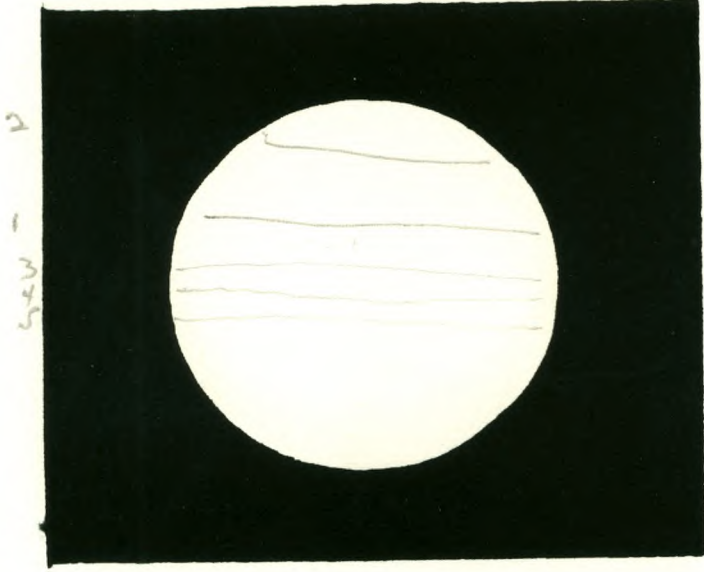
Address 411 Brixton Ave.  
St. Lambert.....

Telephone No. OR. 1-8675.....

C1

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Montreal Centre

PLANETARY OBSERVATIONS



Planet Jupiter.....

Date July 17-18/60.....

Local Time 22.30 E.D.T......

Central Meridian (1) 27°.....

Telescope 4 1/4" ~~Refractor~~ Reflector.....

Seeing 6 (on scale of 1 to 10).....

Remarks :

Observer Louis R. Duchou.....

Universal Time 02.20.....

(2) 162°.....

Eye piece 110 115.....

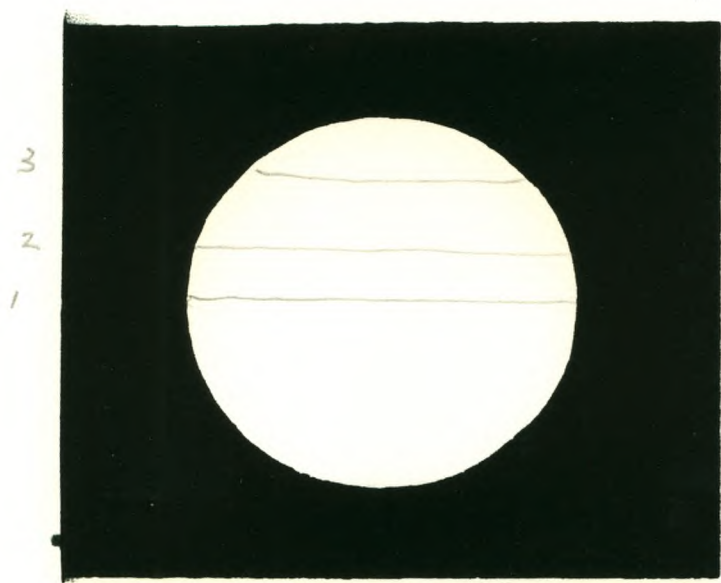
Transparency 7 4.....

7

CZ 2

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PLANETARY OBSERVATIONS



Planet *Jupiter* .....

Date *July 17-18/1951* .....

Local Time *23.20 E.D.T.* .....

Central Meridian (1) *64°* .....

Telescope *4 1/4 Reflector* .....

Seeing *6 (on scale of Ten)* .....

Remarks :

Observer *Louis R. Durohow* .....

Universal Time *03.20* .....

(2) *199°* .....

Eyepiece *410 115* .....

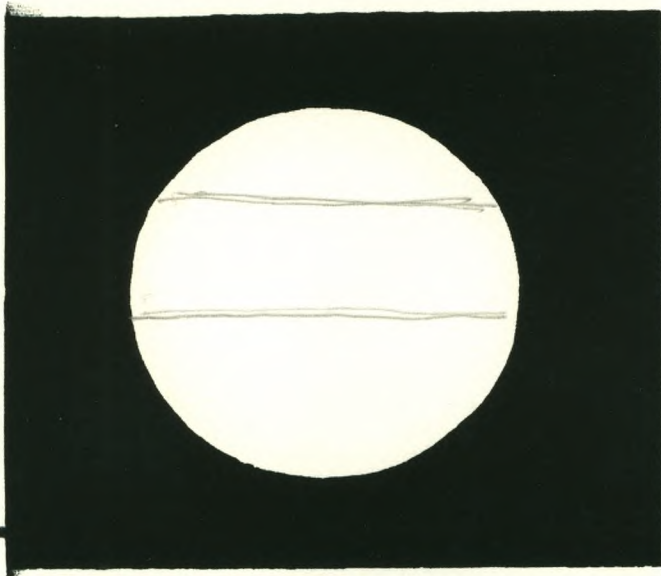
Transparency *7/4* .....

B

CTR 7

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PLANETARY OBSERVATIONS



Planet Jupiter .....

Date July 19-20 60 .....

Observer Louis R. Duchow .....

Local Time 21:45 E.D.T. .....

Universal Time 01:45 .....

Central Meridian (1) 320° .....

(2) 80° .....

Telescope 4 1/4 Reflector .....

Eyepiece 140/15 .....

Seeing good .....

Transparency 4 .....

Remarks :



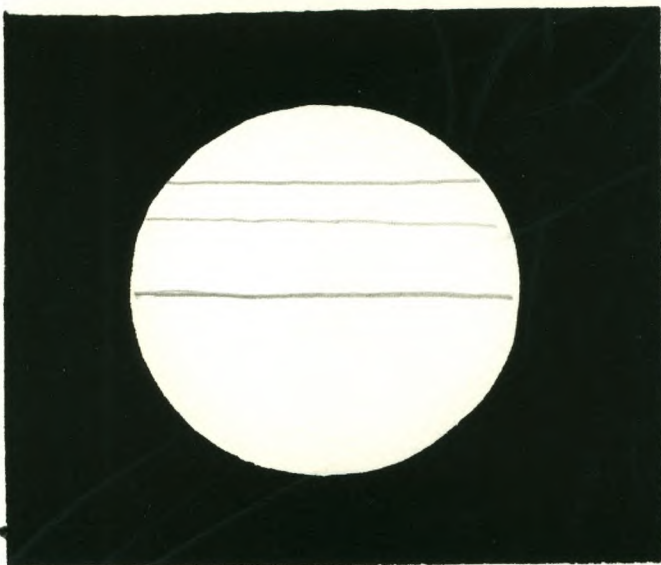
4

CT 4

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS

2  
3  
/



PLANET *Jupiter*

Date *July 19-20 60*

Local Time *22:50 E.D.T.*

Central Meridian (1) *10*

Telescope *4 1/4" Reflector*

Seeing *good*

Remarks:

Universal Time *02:50*

(2) *121°*

Eyepiece *140 115*

Transparency *74*

Observer *Louis R. Duchow*

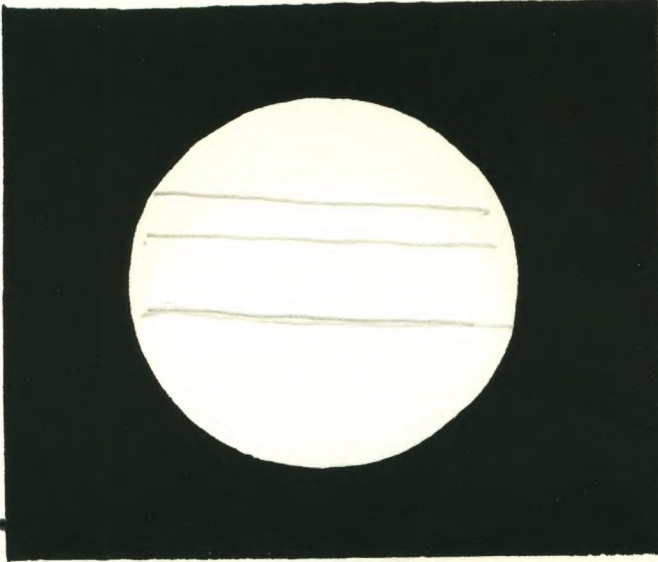
Address *5927 MacDonal Ave.*

Telephone No. *RE 8-5931*

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

C B  
A

PLANETARY OBSERVATIONS



2  
3  
1

PLANET *Jupiter*

Date *July 25-26/60*

Local Time *9:55 E.D.T.*

Universal Time *01:55*

Central Meridian (1) .....

(2) .....

Telescope *4 1/2" Reflector*

Eyepiece *x40 115*

Seeing *2*

Transparency *84*

Remarks:

*Ottawa*

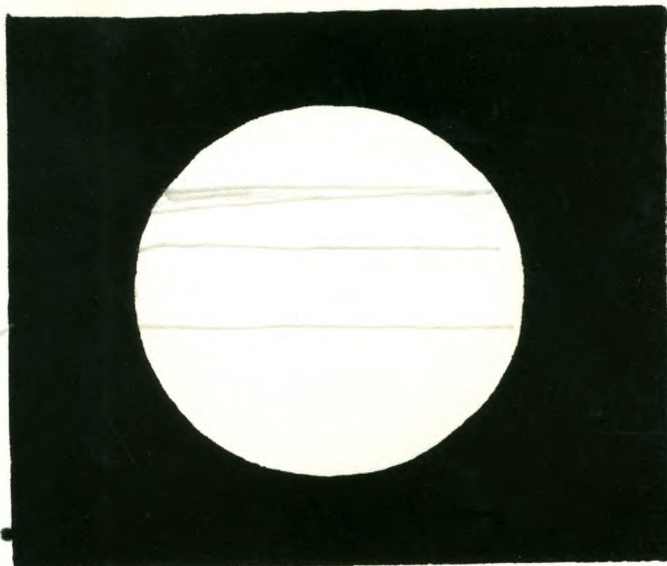
Observer *Levin Sudow*

Address *5987 Macdonald*

Telephone No. ....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 25 1960*

Local Time *12:55 E.D.T.*

Universal Time *02:55*

Central Meridian (1) .....

(2) .....

Telescope *4 1/4 Reflector*

Eyepiece *X10 115*

Seeing *2*

Transparency *8.4*

Remarks:

*Ottawa*

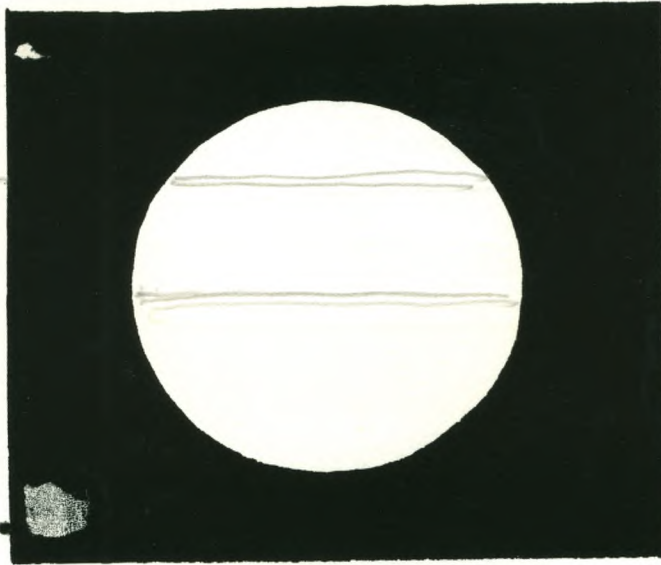
Observer *Lewis Budow*

Address *5987 Macdonald Av.*

Telephone No. ....

Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter* .....

Date *July 25/26/69* .....

Local Time *11:20 E.D.T.* .....

Universal Time *0320* .....

Central Meridian (1) .....

(2) .....

Telescope *4 1/2 Reflector* .....

Eyeiece *x 40 115* .....

Seeing *2* .....

Transparency *8/4* .....

Remarks:

*. . . 0 . . .*

*Observations made  
at Ottawa*

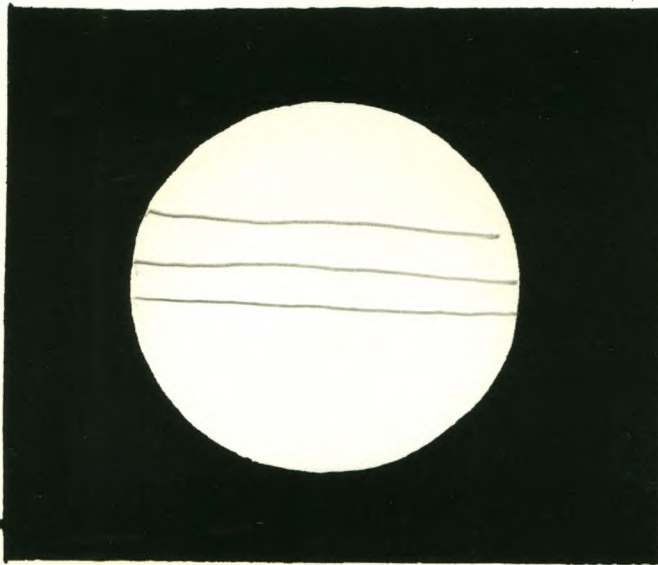
Observer *Kevin R. Duchow* .....

Address *5987 Macdonald Ave.* .....

Telephone No. ....

PLANETARY OBSERVATIONS

3  
3  
1



Montreal

Planet *Jupiter*

Date *July 27-28/60*

Observer *Rene R. Duro*

Local Time *11:50 E.D.T.*

Universal Time *0320*

Central Meridian (1) .....

(2) .....

Telescope *4 1/4" Reflector*

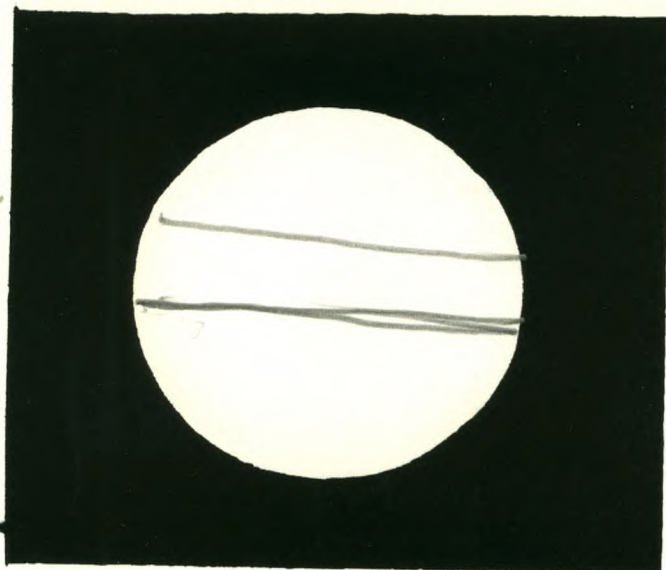
Eyepiece *x140 115*

Seeing *2*

Transparency *84*

Remarks :

PLANETARY OBSERVATIONS



Planet *Jupiter* .....

Date *July 28/29-60* .....

Local Time *10:30* .....

Central Meridian (1) .....

Telescope *4 1/4 Reflector* .....

Seeing *2* .....

Remarks :

Observer *Louis Duchon* .....

Universal Time *0230* .....

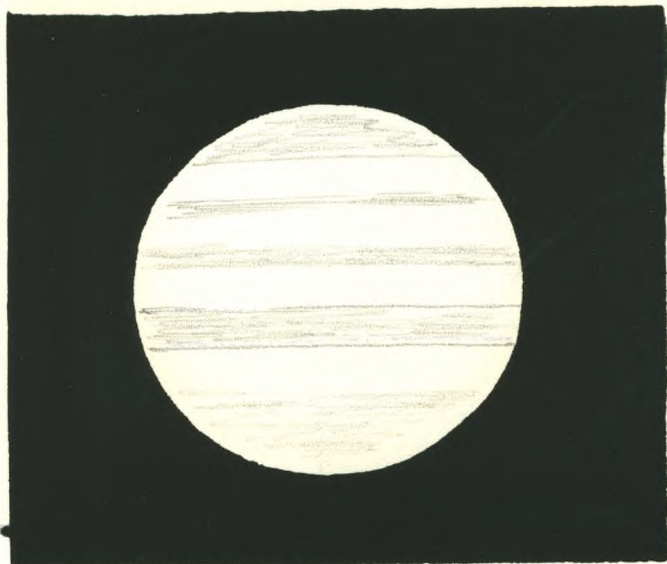
(2) .....

Eyeiece *X40 115* .....

Transparency *74* .....

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Montreal Centre

PLANETARY OBSERVATIONS



← 4  
← 2  
← 3  
← 1  
← 5

Planet ... JUPITER .....

Date ... JUL 31 / AUG 1 1960 .....

Observer ... I. K. WILLIAMSON .....

Local Time ... 23.10 .....

Universal Time .....

Central Meridian (1) .....

(2) .....

Telescope ... 80mm. Refractor .....

Eyepiece ... 173X .....

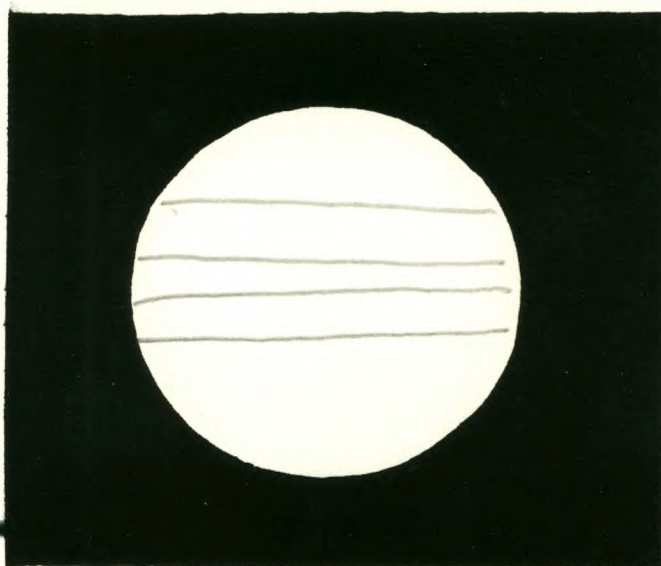
Seeing ... 3 .....

Transparency ... 3 .....

Remarks : The above is a "plotting" for conspicuous  
- not a drawing.

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Montreal Centre

PLANETARY OBSERVATIONS



Planet *Jupiter* .....

Date *Aug 8-9/60* ..... Observer *Louis R. Duchow* .....

Local Time *9:03* ..... Universal Time *0103* .....

Central Meridian (1) ..... (2) .....

Telescope *4 1/4 reflector* ..... Eyepiece *115x* .....

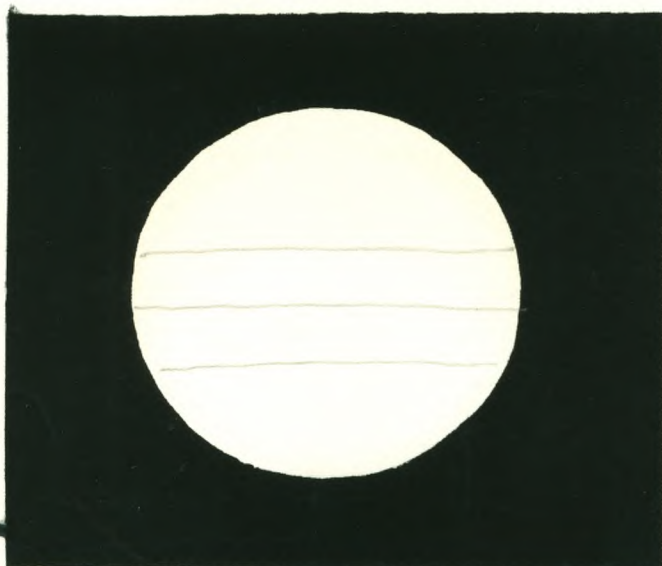
Seeing *1* ..... Transparency *2* .....

Remarks :



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PLANETARY OBSERVATIONS



3  
2  
1

Planet ..... *Jupiter* .....

Date ..... *August 10-11-1960* ..... Observer ..... *Mrs. ElBudgen* .....

Local Time ..... *21:43* ..... Universal Time .....

Central Meridian (1) ..... (2) .....

Telescope ..... *4 1/4 Refractor* ..... Eyepiece ..... *90 Power* .....

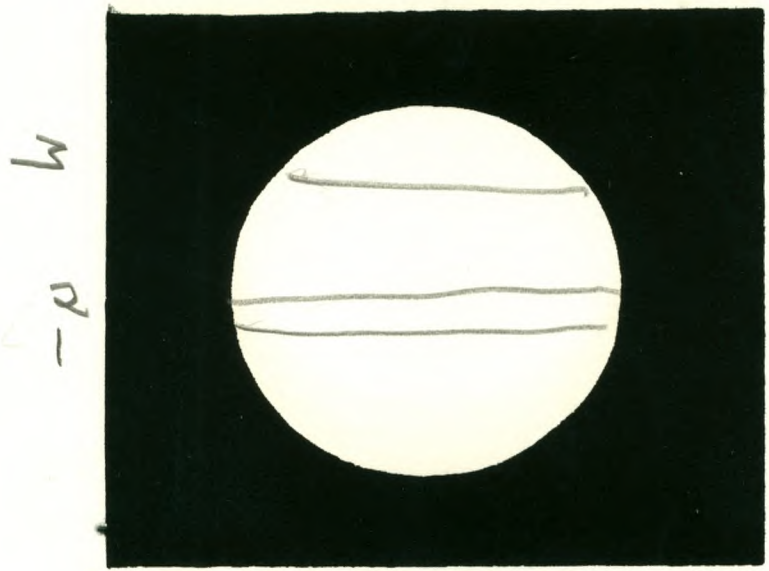
Seeing ..... *Good* ..... Transparency ..... *Good* .....

Remarks : *conspicuous*

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Montreal Centre

C

PLANETARY OBSERVATIONS



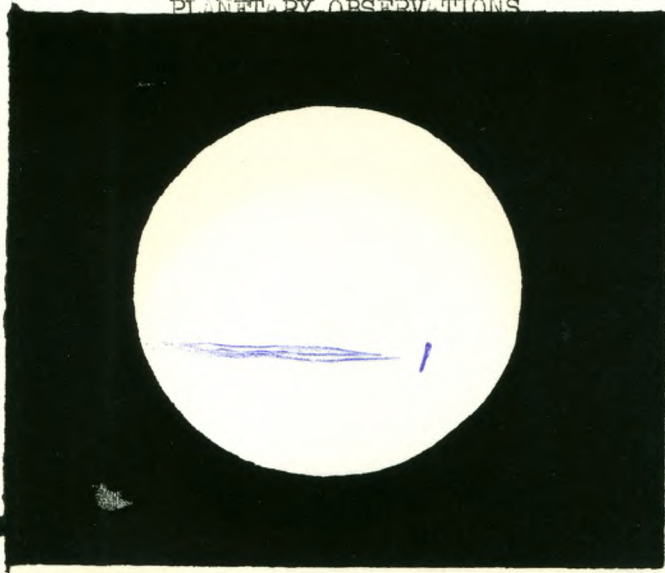
Planet Jupiter.....  
Date Aug 10-11, 1960..... Observer D. Zastrow.....  
Local Time 21:49..... Universal Time 21:49.....  
Central Meridian (1) ..... (2) .....  
Telescope Townsend 4"..... Eyepiece 9D.....  
Seeing 3..... Transparency 3.4.....

Remarks :

CONspicuousness ??

6

PLANETARY OBSERVATIONS



1

Planet ..... *Jupiter* .....

Date ..... *Aug 16/11, 1960* ..... Observer ..... *E. Dack* .....

Local Time ..... *21:55* ..... Universal Time .....

Central Meridian (1) ..... (2) .....

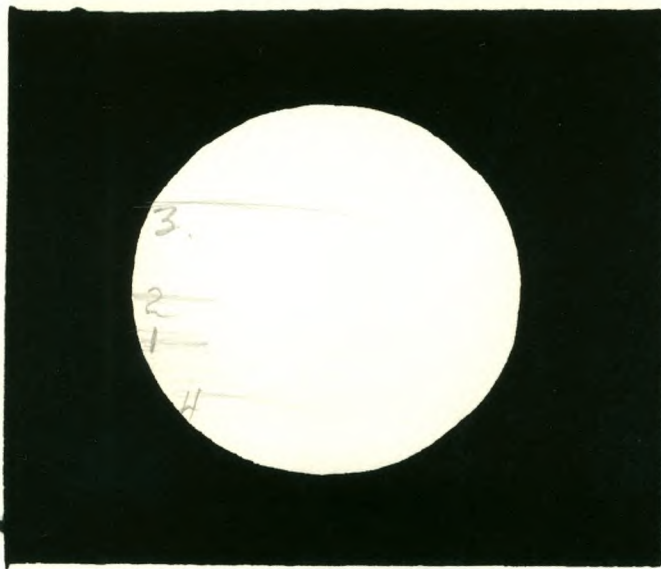
Telescope ..... *4 1/4" Refr.* ..... Eyepiece ..... *90x* .....

Seeing ..... *Good* ..... Transparency ..... *Good* .....

Remarks :

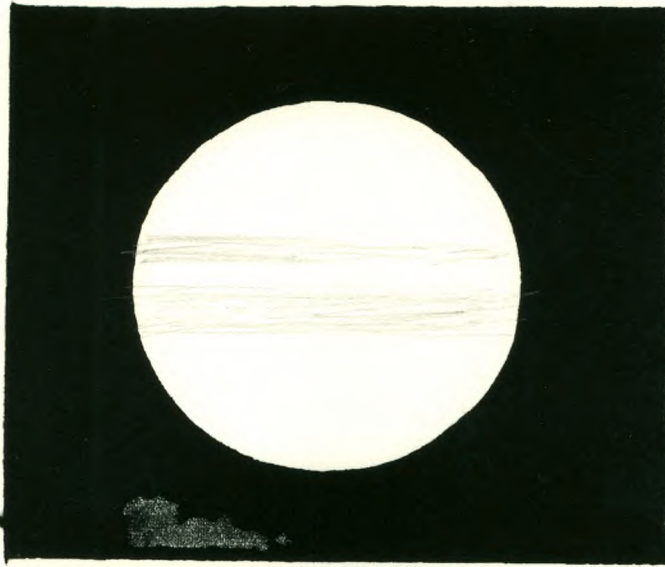
C

PLANETARY OBSERVATIONS



Planet *Jupiter*.....  
Date *Aug 10/1/60*.....  
Local Time *8:22:03*.....  
Central Meridian (1) ..... (2) .....  
Telescope *4 1/4" refr*.....  
Seeing *good*.....  
Remarks : .....  
Observer *Kenneth Chalk*.....  
Universal Time *2:03*.....  
Eyepiece *90x*.....  
Transparency *good*.....

PLANETARY OBSERVATIONS



2  
1

Planet JUPITER.....

Date .. Aug 10/11/60.....

Observer .. F. CAMBRIA.....

Local Time .. 22<sup>h</sup>22<sup>m</sup>.....

Universal Time .. .. .

Central Meridian (1) .. .. .

(2) .. .. .

Telescope .. 4 1/4 REFR.....

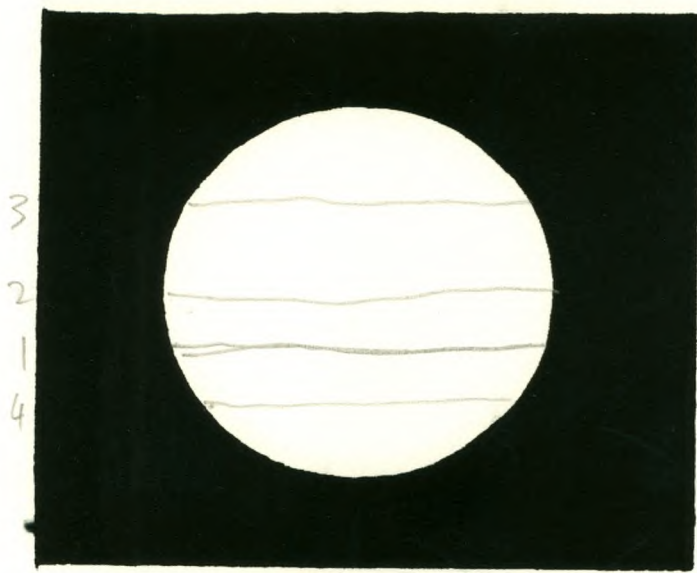
Eyepiece .. 90x.....

Seeing .. FAIR.....

Transparency .. Good.....

Remarks :

PLANETARY OBSERVATIONS



ZONES  
1  
3  
2

Planet 2 .....

Date AUG 10/11, 1960 .....

Observer G. GAHERTY .....

Local Time 22:33 (belts) .....

Universal Time 2:33 ..... 2:40

Central Meridian (1) .....

(2) .....

Telescope 4 1/4 REFR. .....

Eyepiece 130X .....

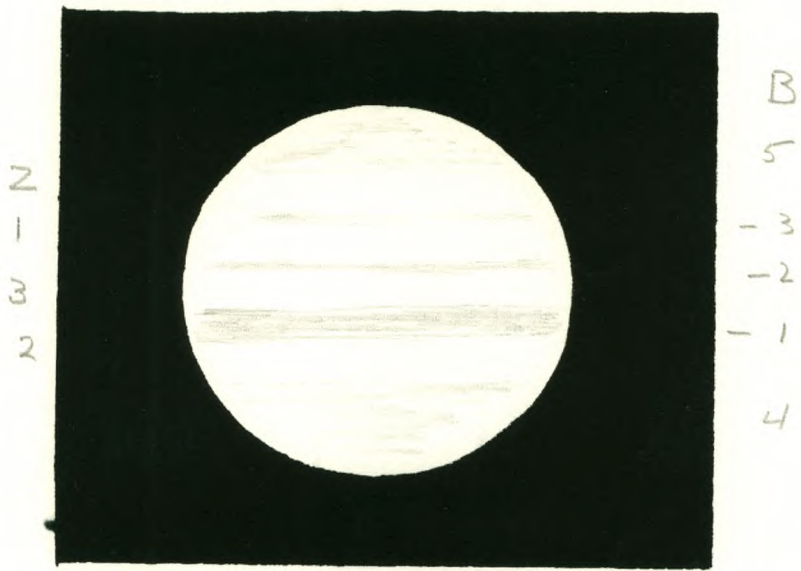
Seeing 3 .....

Transparency 4 .....

Remarks : Conspicuousness estimate  
Jones at 22:47.

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Montreal Centre

PLANETARY OBSERVATIONS



Planet JUPITER.....

Date AUG 10/11 1960.....

Observer I. K. WILLIAMSON.....

Local Time 22.42.....

Universal Time .....

Central Meridian (1) .....

(2) .....

Telescope 110mm Refractor.....

Eyepiece 130x.....

Seeing 3.....

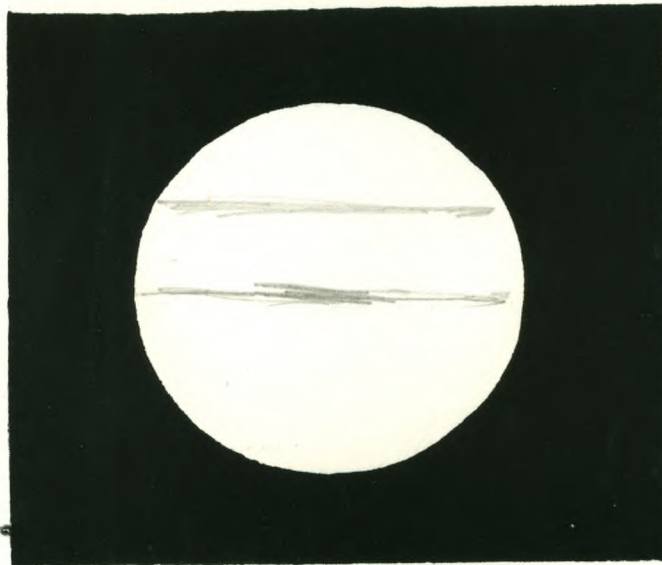
Transparency 3.....

Remarks :

PLOTTING ONLY - NOT A DRAWING  
FOR CONSPICUOUSNESS.

ROYAL ASTRONOMICAL SOCIETY OF CANADA  
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

*Int.*

Date *Aug 16-17/60*

Local Time *2200*

Universal Time *0200*

Central Meridian (1) .....

(2) .....

Telescope *4 1/2 Reflector*

Eyepiece *11.5x*

Seeing *2*

Transparency *4*

Remarks:

Observer *Louis Stuchlik*

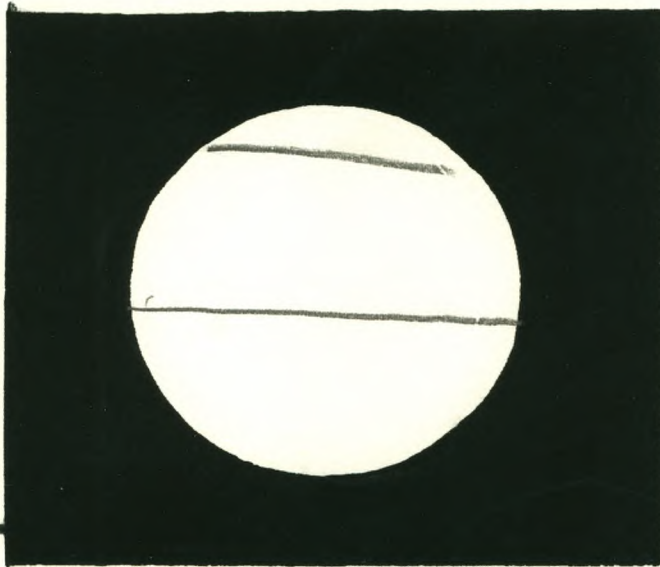
Address .....

Telephone No. ....



Royal Astronomical Society of Canada  
Montreal Centre

PLANETARY OBSERVATIONS



Date Sept 2/3-60 Planet Jupiter Observer Leonard Bucher  
Local Time 20:33 Universal Time 00:33  
Central Meridian (1) ..... (2) .....  
Telescope 4 1/4 Refl. Eyepiece 11.5x  
Seeing 2 Transparency 4<sup>3</sup>  
Remarks :