TRANSITS 1960

ORIGINALS

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date May 20/21, 1960. Planet Jupiter

Period of Observation 05h. 24m. to 05h. 44m. U. T.

Telescope 4" - Reflector. Power 130x.

Seeing 6 Transparency 4

Observer Jim Low.

Address 411 Brixton Avenue
St. Lambert.

Telephone OR. 1-8675

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
✓1.	Dc Spot on north part of NEB.	May 21d. 05h. 42.5m.	~~345.6°~~ 346°	~~202.6°~~ 203°

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date June 3/4, 1960 Planet Jupiter

Period of Observation 05h. 13m to 05h 46m.; & 07h 21m to 07h 36m U. T.

Telescope 4"-Reflector Power 130 x & 167 x

Seeing 6 (very good) Transparency 4

Observer Jim Low

Address 411 Brixton Avenue

St. Lambert Telephone OR. 1-8675

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
2.	Dp (cond.). S. edge NEB.	05h 34m.	33° ✓	~~143°~~
3.	Dc (cond.). S. edge NEB.	05h 38m.	35° ✓	~~146°~~
4.	Df (cond.). S. edge NEB.	05h 43m.	38° ✓	~~149°~~
5.	Dp (cond.). N. edge NEB.	07h 27m.	~~102°~~	211°
6.	Dc (cond.). N. edge NEB.	07h 30m.	~~104°~~	213°
7.	Df (cond.). N. edge NEB.	07h 34m.	~~106°~~	216°

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date JUNE 3/4 1960 Planet JUPITER

Period of Observation 04:30 — 05:15 U. T.

Telescope 6½" REFRACTOR Power 100X

Seeing 3 Transparency 2-1

Observer GEORGE WEDGE

Address 5945 COTE DES NEIGES RD.

MONTREAL 26 Telephone RE. 1-2148

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
1	P. END DK. LOW. PROJ. ON SEDGE N.E.B.	04:46	4	—
2	F. END DK. LOW. PROJ. ON SEDGE N.E.B	04:55	9	—
3	C. DK. LOW. PROJ. ON SEDGE N.E.B	05:08	17	—

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date JULY 3/4 1960 Planet JUPITER.

Period of Observation 2:00 - 3:15 U. T.

Telescope 6½" REFRACTOR Power 222X

Seeing FAIR 4-5 Transparency 4

Observer GEORGE WEDGE

Address 5945 COTE DES NEIGES

MTL Telephone RE.1-2148

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
6	P END DK PROJ SEDGE NEB	0 2:26	339	
7	P END DK ROD ON STeB	0 2:32		225
8	C DK PROJ SEDGE N.E.B	0 2:34	344	
9	F END DK PROJ SEDGE NEB	0 2:39	347	
10	C DK ROD ON STeB	0 2:46		233
11	C DK SPOT ON N.E.B	0 2:49	353	235
12	F END DK ROD ON STeB	0 2:52		237
13	C DK SPOT ON N.E.B	0 3:11	2	248

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS

PLANET JUPITER

Date JUNE 6/7, 1960

Local Time ~~.....~~ Universal Time 05:06 - 06:25

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

Telescope 8" REFLECTOR Eyepiece 240x

Seeing 4-5 Transparency 5

Remarks: Sketch shows detail ~~e~~ between SEBn and SSTB coinciding with transits 28, 31, 32, 35, 36, 37, 38, 34, 40, 41, 42, 43, 45

Observer G. GAHERTY, JR

Address ..... Telephone No. .....

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS

PLANET JUPITER

Date JUNE 7/8, 1960

Local Time ~~.....~~ Universal Time 04:07 - 04:41

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

Telescope 8" REFLECTER Eyepiece 180x

Seeing 2-3 Transparency 4

Remarks: Detail of transits 50, 52, 53. The Red Spot. The spot appeared lozenge-shaped rather than oval. Its f. end was noticeably darker ~~than~~ (3.0) than the main body (4.0). The indefinite w. patch in the SEB2 preceding the spot was not noticed until it was past the C.M. The spot had no noticeable colour, appearing ~~pale pink~~ a neutral grey; ~~but~~ there was no hint of it being red. It is interesting to compare this drawing with Fig. 1 of Plate VI ~~by Peek.~~ or even pink.

LONGITUDE = 342.2° (II)
LENGTH = 20.5 ÷ 15000 miles

Observer G. GAHERTY

Address ..... Telephone No. .....

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date JUNE 10/11 1960 Planet JUPITER

Period of Observation 04-15 — 05-15 U.T. U. T.

Telescope 6½" REFRACTOR Power 222x

Seeing 4-5 Transparency 2-3

Observer G. Wedge

Address 5945 Cote des Neiges

Montreal 26 Que Telephone RE. 1-2148

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
4	D.C. (Low Proj.) S. EDGE N.E.B.	04:25	17 ✓	—
5	D.P. (Low Proj.) S. EDGE N.E.B.	05:00	38 ✓	—

No.	Object.	Location.	U.T. Transit.	C.M. I.	C.M. II.
8	Wp. (nodule).	between NEB and NTB.	06:07		136° ✓
9	Wc (nodule).	between NEB and NTB.	06:10		138° ✓
10	Dc. (col.)	between NEB and SEB_n	06:13	83° ✓	
11	Wf (nodule).	between NEB and NTB	06:15		141° ✓
12	Dp (cond).	N. edge NEB.	07:09		173° ✓
13	Dc (cond).	N. edge NEB.	07:12		175° ✓
14	Df (cond.)	N. edge NEB.	07:14		176° ✓

June 10/11, 1960. U.T.
Seeing: 4 to 6.
Transp.: 3 to 4.
Period of observation: 05h.57m. to 07h.22m.
Telescope: 4"-Reflector
Power: 130x, & 167x.

Jim Low.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ...June 11. - 1960..... Planet ....Jupiter.....

Period of Observation .....05:28..... — .....06:50..... U. T.

Telescope ....8"..Reflector..... Power .....165 x.....

Seeing .....3 - 4..... Transparency .....2 - 3.....

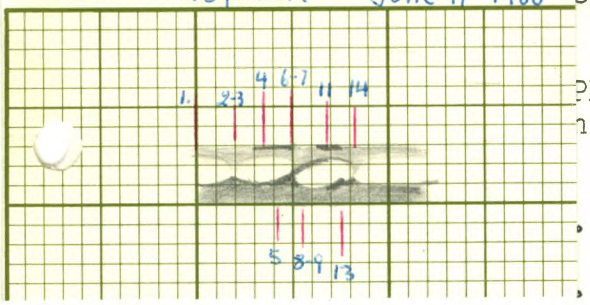
Observer ...Klaus R. Brasch.....

Address .....

..... Telephone .....

Serial No	Description of Feature		Transit Time U.T.	Longitude I	Longitude II
1.	Wc	centre - white oval	Sedge N.E.B	05:28	56 ✓ —
2.	Wf	follow. end - white oval	Sedge N.E.B	05:45	66 ✓ —
3.	Wp	preceed. end - white oval	Sedge N.E.B	05:45	66 ✓ —
4.	Wc	centre white oval	Sedge N.E.B	06:00	75 ✓ —
5.	Dp	preceed. end. cond	Sedge N.E.B	06:15	84 ✓ —
6.	Wf	follow. end. white oval	Sedge N.E.B	06:18	86 ✓ —
7.	Wp	preceed. end. gap	Sedge S.E.B	06:18	86 ✓ —
8.	Df	follow. end. cond	Sedge N.E.B	06:26	91 ✓ —
9.	Dp	preceed. end. loop. fest	Sedge N.E.B	06:26	91 —
10.	Wp	peceed. end. gap	S.T.B	06:28	— 148 ✓
11.	Dc	centre. loop. fest	Sedge N.E.B	06:35	96 ✓ —
12.	Wc	centre. gap	S.T.B	06:38	— 154 ✓
13.	Dc	centre. low proj	Sedge N.E.B	06:43	101 ✓ —
14.	Df	follow. end. loop. fest	Sedge N.E.B	06:50	106 ✓ — ✓
15.	Wf	follow. end. gap	S.T.B	06:56	— 162 ✓

N.E.B. - Jupiter - June 11-1960



STRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
ntral Meridian Transits

..... Planet ....Jupiter.....

....05:28..... — .....06:50..... U. T.

Telescope ....8"..Reflector..... Power .....165 x.....

Seeing .....3 - 4..... Transparency .....2 - 3.....

Observer ...Klaus R. Brasch.....

Address .....

..... Telephone .....

Serial No	Description of Feature		Transit Time U.T.	Longitude I	Longitude II
1.	Wc centre white oval	Sedge N.E.B	05:28	56 ✓	—
2.	Wf follow end white oval	Sedge N.E.B	05:45	66 ✓	—
3.	Wp preced end white oval	Sedge N.E.B	05:45	66 ✓	—
4.	Wc centre white oval	Sedge N.E.B	06:00	75 ✓	—
5.	Dp preced end cond	Sedge N.E.B	06:15	84 ✓	—
6.	Wf follow end white oval	Sedge N.E.B	06:18	86 ✓	—
7.	Wp preced end gap	Sedge S.E.B	06:18	86 ✓	—
8.	Df follow end cond	Sedge N.E.B	06:26	91 ✓	—
9.	Dp preced end loop fest	Sedge N.E.B	06:26	91	—
10.	Wp preced end gap	S.T.B	06:28	—	148 ✓
11.	Dc centre loop fest	Sedge N.E.B	06:35	96 ✓	—
12.	Wc centre gap	S.T.B	06:38	—	154 ✓
13.	Dc centre low proj	Sedge N.E.B	06:43	101 ✓	—
14.	Df follow end loop fest	Sedge N.E.B	06:50	106 ✓	—
15.	Wf follow end gap	S.T.B	06:56	—	162 ✓

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date June 13 1960 Planet Jupiter

Period of Observation 03:15 to 04:48 U. T.

Telescope 8" Refl. Power 165 x blue filter alteern.

Seeing 3-2 Transparency 3

Observer K. R. Brasch

Address

Telephone

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
16	Df Red Spot S.Tr.Z. preced. end	03:15	—	333 ✓
17	Dc Red Spot S.Tr.Z. centre	03:35	—	345 ✓
18	Df Red Spot S.Tr.Z. foll. end	03:46	—	351 ✓
19	Wf follow. end Oval N.E.B.	03:42	307 ✓	—
20	Df preced centre end foll. proj. N.E.B.	03:58	317 ✓	—
21	Df follow. end proj. N.E.B.	04:15	327 ✓	—
22	Df preced. end festoon N.E.B.	04:15	327	—
23	Dc centre loop festoon N.E.B.	04:34	339 ✓	—
24	Df follow. end loop festoon N.E.B.	04:48	347 ✓	—

$D_{RS} = 342°.9$

$length_{RS} = 18°.7$

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ...July...7-8..... Planet .....JUPITER.....

Period of Observation ...03:05.....03:25..... U. T.

Telescope ....8"..Refle..... Power .....165 x.....

Seeing .....3-2..... Transparency .....2.....

Observer ...Klaus..Brasch.....

Address ....224..Montée..Sanche.....

.....Rosemere.....Que..... Telephone NA-5-4825

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
25	D.p. projection	N.E.B. 03:05	275	—
26	D.c. "	" 03:15	281	—
27	D.f. "	" 03:25	287	—

Above observations hampered by very bad seeing and consequently are not too accurate.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ..July..10-11....1960.... Planet .....Jupiter.....

Period of Observation ..03:12...-03:50..... U. T.

Telescope ....8"..Refle..... Power .....165.X.....

Seeing .....4-2..... Transparency .....2-3.....

Observer .....K.R...Baasch.....

Address ....824...Montée...Sanch..P.O.378

.....Rosemere.....Que..... Telephone .....

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
28.	Wc...nodule.....N.E.B....South	03:12	32.9 V	
29.	Wf....."....."....."....."....	03:20	37.0	
30. Dc	Wp.....oval...?...N.E.B.....S.....	03:20	37.0	
31.	Wc....."....."....."....."....	03:35	47.0 V	
32.	Wp.....".....".....S.....	03:50	56.1 V	

Last...two...timing...rather...uncertain...due...to...gradual...drop...in...seeing...conditions.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ..July..14.-15....1960.... Planet ....Jupiter.....

Period of Observation ..01:55..-.04:18..... U. T.

Telescope ....8".Refle..... Power .....165.x.....

Seeing .....3.-.2.-.3..... Transparency .....4.....

Observer ....K.R.Beach.....

Address ....224..Montée..Sanche.....

..P.O.378...Rosemere...Que..... Telephone .....

Serial No	Description of Feature				Transit Time U.T.	Longitude I	Longitude II
33	Wp	oval	NEB	South	01:55	257.6	—
34	Wc	"	"	"	02:08	265.5	—
35	Wf	"	"	"	02:18	271.6	—
36	Dp	proj.	"	"	02.18	271.6	—
37	Dp	fade feature	"	"	03.48	326.5	—
38	Dc	"	"	"	04:04	335.6	—
39	Df	"	"	"	04:18	344:8	—
40	Dc	proj.	"	"	04:18	344:8	—

Dap in observations due to poor seeing period and interference from nearby trees

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ..August...4..... Planet .....Jupiter.....

Period of Observation ..01:40...to..03:05..... U. T.

Telescope ....8"...Refl.... Power .....165.x.....

Seeing ....3.-2..... Transparency .....2.-1.....

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

Address .....224...montee..Sanche.....

.....Rosemere..... Telephone .....

Serial No	Description of Feature			Transit Time U.T.	Longitude I	Longitude II
Ex. 41.	Wf.	oval	N.E.B. South	01:40	167.2	-
42.	Dp.	festoon	N.E.B. "	02:02	180.6	-
43.	Wf.	gap	" "	02:18	190.6	-
44.	Df.	festoon	S.E.B. North	02:18	190.6	-
45.	Dc.	proj.	N.E.B. South	03:05	219.0	-

Note: Above observations not too accurate due to extremely poor seeing conditions

Central Meridian Transits

K. Brasch

Aug. 4-5 /1960 1.35
Period of Obs ~~1.40~~ – 3.20 U.T.
Tele: 8" Refl. 165 x
Sec 2-3 Trg. 3-4

						I	II
46.	Wf	oval	N.E.B	S.	01.35	322.0	—
47.	Wp	streak	"	N	01.40	—	323.4
48.	Wc	"	"	"	01.49	—	328.9
~~0001~~	~~Dp~~	~~R.S.~~	~~S.T.Z.~~		~~02.02~~		
49.	Wf	"	"	"	02.02	—	336.7
50.	Dp	R.S.	S.T.Z.		02.04	—	337.9
51.	Wp	oval	N.E.B	S	02.16	347.0	—
52.	Dc	R.S.	S.T.Z.		02.22	—	348.8
53.	Wc	oval	N.E.B.	S	02.34	358.0	—
54.	Df	R.S.	S.T.Z.		02.41	—	00.3
55.	Wf	oval	N.E.B	S.	02.52	08.9	—
56.	Wf	bay	S.T.B.		03.12	—	19.0
57.	Wc	oval	N.E.B,	S	03.20	26.0	—

Aug. 6 - 7 1960

Sec. 3 - 5 Trg. 3 - 2
1:15 - 4:18

						I	II
58.	Wc	oval	N.E.B.	S.	01:15	265.6	—
59.	Wf	"	"	"	01:25	271.7	—
60.	Wp	"	STeZ		01:25	—	254.9
61.	Wf	"	"		01:46	—	267.6
62.	Df	festoon	N.N.TeZ		02:00	—	276.0
63.	Wp	oval	N.E.B	S	02:02	294.3	—
64.	Wf	"	"	"	02:18	304.0	—
65.	Wp	streak	"	N.	03:02	—	315.2
66.	Wc	"	"	"	03:12	—	319.5
67.	Wf	"	"	"	03:23	—	326.2
68.	Wp	oval	"	S	03:30	347.9	—
69.	Dp	R.S.	S.TeZ.		03:42	—	337.7
70.	Wc	oval	N.E.B.	S	03:46	357.7	—
71.	Dc	R.S	S.TeZ.		04:00	—	348.7
72.	Wf	oval	N.E.B.	S.	04:02	6.8	—
73.	Dp	loop festoon	"	"	04:10	12.1	—
74.	Dp	R.S.	S.TeZ.		04:18	—	359.4

Aug. 8-9 1960
Sec. 3 TR-4

75.	Dp	proj.	N.E.B.	S	01:00	212.2	~~212.2~~
76.	Dc	"	"	"	01:11	218.3	218.3
77.	Df	"	"	"	01:18	222.9	~~222.9~~
78.	Wc	oval	STeZ		01:22	—	183.6
79.	Df	festoon	S.E.B.	N.	01:32	231.7	—
80.	Wf	oval	STeZ		01:36	—	202.0
81.	Dc	proj.	N.E.B.	S	02:13	256.7	—

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ....Aug. 10-11.....1960.... Planet .....Jupiter.....

Period of Observation ..01:33-03:20..... U.T.

Telescope ....8"..Refl..... Power .....165..x.....

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

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

Serial No	Description of Feature			Transit Time U.T.	Longitude I	Longitude II
82	Wf	oval	NEB S	01:33	188.3 V	—
83	Dp	proj	" "	02:13	212.4 V	—
84	Dc	"	" "	0223	217 V	—
85	Wc	nodule	" "	02:37	~~227~~ V	~~181.7~~
86	Wp	oval	STeZ	0240	—	181.1 W
87	Wf	oval	NEB S	02:54	237.4 V	—
88	Wf	oval	STeZ	03:05	—	196.2 W
89	Dc	proj	NEB S	03:20	253.2 W	—

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date Aug. 16 - 17 1960 Planet Jupiter

Period of Observation 00:46 - 02:46 U.T.

Telescope 8" Refle Power 165 x

Seeing(0 worst-10 best) 2-4 Transparency (0 worst-5 best) 2-3

Observer K.R. Brasch

Serial No	Description of Feature				Transit Time U.T.	Longitude I	Longitude II
90	Wc	oval	NEB	S	00:46	26:9	—
91	Wf	"	"	"	00:55	31:9	—
92	Dp	proj	"	N	01:14	—	310:4
93	Dc	"	"	"	01:23	—	315:9
94	Wc	oval	"	S	01:34	53:9	—
95	Wc	streak	"	N	01:34	—	328:5
96	Wc	oval	"	S	01:43	61:2	—
96	Dp	RS	STrZ		02:00	—	338:2
97	Dc	proj	NEB	N	02:02	—	339:4
98	Wp	oval	NEB	S	02:13	78:9	—
99	Dc	RS	STrZ		02:16	—	347:9
100	Df	"	"		02:32	—	357:6
101	Wc	oval	NEB	S	02:36	93:5	—
102	Wf	oval	STB	N	02:46	—	06:0

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ....August...17-18....1960.. Planet .....Jupiter.....

Period of Observation ....0046...1:54..... U.T.

Telescope ...8"...Refle..... Power .....165 x.....

Seeing(0 worst-10 best) ..4...1.... Transparency (0 worst-5 best) ..4.5...

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

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
103	W.p. large oval UEB S	0046	184.3	—
104	W.c. " oval " "	1:15	202.	—
105	W.f. " oval " "	1:26	208.7	—
106	Dp. " prog " "	1:26	208.7	—
107	Df. " " " "	1:40	217.0	—
108	W.p. " oval " "	1:40	217.0	—
109	W.f. " " " "	1:54	226.4	—

No. 103, 104, 105 are called "large" oval, as there appeared to be two smaller ovals within the large one, the division being 104.

Please Check.

Transit No. 78 should be W.p. not W.c

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ...AUG. 17/18. 1960.... Planet ...JUPITER.....

Period of Observation .....01.15.....02.10..... U.T.

Telescope ...6" REFRACTOR..... Power ...150X.....

Seeing(0 worst-10 best) ..5-6... Transparency (0 worst-5 best) ..4....

Observer ...W.E.D.SE.....

Serial No	Description of Feature	Transit Time U.T.	Longitude I	II
14	P.END. DK. LOW. PROJ. NEB-S	01:34	214°	
15	C. DK. LOW. PROJ. NEB-S	01:38	216°	
16	F.END. DK. LOW PROJ NEB-S	01:41	218°	

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ....Aug. 18 : 19.... 1960... Planet .....Jupiter.....

Period of Observation ....0025 - 01:43..... U.T.

Telescope .....8"...Refl..... Power .....165 x.....

Seeing(0 worst-10 best) ..3-5.... Transparency (0 worst-5 best) ..4-5..

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

Serial No	Description of Feature			Transit Time U.T.	Longitude I	Longitude II
110	Wc	oval	NEB S	0025	329.8	—
111	Wf	oval	" "	0036	336	—
112	Wp	oval "loop test"	" "	0048	343.3	—
113	Wp	oval	STeZ	0057	—	241.5
114	Wf	proj.	STB N	0057	—	241.5
115	Wc	oval	NEB S	0100	350.7	—
116	Wf	"	" "	0111	357.4	—
117	Wf	oval	STeZ	0120	—	254.5
118	Wc	module	NEB S	0136	09.0	—
119	Dp	loop festoon	" "	0142	16.3	—

114 Previously monitored

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date AUG. 18/19 1960 Planet JUPITER

Period of Observation 0010 - 0035 U.T.

Telescope 6.5" REFR. Power 100X

Seeing(0 worst-10 best) 5-7 Transparency (0 worst-5 best) 3

Observer W.E.D.S.E.

Serial No	Description of Feature	Transit Time U.T.	Longitude I	II
1.7	F. END DK. LOW PROJ. NEB. S.	0015	323°	
1.8	P. END DK. LOW PROJ. NEB. S	0028	331°	

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date AUG. 24/25 1960 Planet JUPITER

Period of Observation 01:15 02:15 U.T.

Telescope 6" REFR. Power 150X

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

Observer WEDGE

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
19	F. END DK. LOW. PROJ. NEB^S	01:24	233° ✓	
20	DK. COND. NEB.	01:54	251° ✓	97° ✓
21	C. DK. LOW. PROJ. NEB^S	02:05	257° ✓	
22	F. END. DK. LOW. PROJ. NEB^S	02:08	260° ✓	

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ...Aug...27-28...1960..... Planet ....Jupiter.....

Period of Observation ..0048....-0116..... U.T.

Telescope ...8"..Refle..... Power .....165 x.....

Seeing(0 worst-10 best) ..1-3..... Transparency (0 worst-5 best) ..3-4..

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

Serial No	Description of Feature	Transit Time U.T.	Longitude I	Longitude II
120	Wc oval NEB S	0048	324.0 ✓	—
121	Wf " " "	0100	331.0 ✓	—
122	Wp wsl loop Festoon " "	0111	337.7 ✓	—
123	Wp oval STrZ	0116	—	16.3.7 ✓✓

Note ... above may not be too accurate due to very poor seeing

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ..Aug..30-31.....1960..... Planet .....Jupiter.....

Period of Observation .....0057-0157..... U.T.

Telescope ....8"...Refl..... Power .....165.....

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

Observer .....K..Braasch.....

Serial No	Description of Feature		Transit Time U.T.	Longitude I	Longitude II
124	Wc	oval	NEB S	0057	82.5 ✓	—
~~125~~ 127	Dc	proj.	" "	01:16	90.5 ✓	—
~~126~~ 125	Wp	oval	STeZ	01:04	—	247.1 ✓
~~127~~ 126	Df	festoon	STB N	01:04	—	247.1 ✓
128	Wp	oval	NEB S	01:57	119.1 ✓	—

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ...Sept. 4-5 1960..... Planet .....Jupiter.....

Period of Observation ...00:11 - 01:35..... U.T.

Telescope ....8" Refl..... Power .....165.....

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

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

Serial No	Description of Feature		Transit Time U.T.	Longitude I	Longitude II
129	Wf	oval	STZ	00:11	—	245.8
130	Wp	"	NEB S	00:26	132.5	—
131	Wf	"	" "	00:52	148.4	—
132	Dc	proj. festoon	" "	01:35	174.6	—
	Sept. 5-6 1960		Seeing 2-1	Tr. 4		
133	Dp	proj.	NEB S	00:12	281.8	—
134	Df	"	" "	00:19	286.1	—
	Note: very poor seeing					
	Sept. 7-8 1960		Seeing 3-1	Tr. 2-3		
135	Dp	Red Spot	STZ	00:09	—	334.9
136	Wp	oval	STB	00:13	—	337.3
137	Wf	oval	STB	00:30	—	347.6
138	Df	RS	STZ	00:41	—	354.3

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ...September 16-17...1960.. Planet ....Jupiter.....

Period of Observation ...23:48...-01:08..... U.T.

Telescope ...8" Refl.... Power .....165.....

Seeing(0 worst-10 best) ..0-3.... Transparency (0 worst-5 best) .4-5...

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

Serial No	Description of Feature			Transit Time U.T.	Longitude I	Longitude II
Estim. 139	Wf	oval	STeZ	23:45	—	231.6 ✓✓
140	Wp	"	NEB	S 23:48	202.6 ✓	—
141	Wc	"	"	" 00:02	211.0 ✓	—
142	Dc	proj.	"	" 00:16	219.5 ✓	—
143	Wc	v. large oval	"	" 00:41	235.6 ✓	—
144	Db	festoon	"	" 01:08	251.2 ✓	—

Sec. 2-3 Tr. 4-5 Sept. 18-19 1960

Estim. 145	Wf	oval	STeZ	23:46	—	172.4 ✓✓
146	Wc	oval	NEB	S 23:49	158.7 ✓	—
147	Dp	proj.	"	" 00:06	168.9 ✓	—
148	Df	proj.	"	" 00:22	179.3 ✓	—

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ....Sept....21-22...1960. Planet ....Jupiter....

Period of Observation ...23:53 - 01:48..... U.T.

Telescope ....8"...Refl.... Power ....165....

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

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

Serial No	Description of Feature				Transit Time U.T.	Longitude I	Longitude II
149	Wc	oval	NTB	S	23:53	274.3 ✓	—
150	Wf	"	"	"	00:05	282 ✓	—
151	Wp	"	"	"	00:57	313.2 ✓	—
152	Wc	"	"	"	01:09	320.5 ✓	—
153	Dp	Festoon	"	"	01:22	328.5 ✓	—
154	Wp	oval	[illegible]	STB S	01:36	—	329.7 ✓
155	Dp	R.S.			01:48	—	335.8 ✓

Transits of Jupiter

K.R. Brosch

Date: Sep. 25-26 -1960 Period: 23.02 – 00.48
Tele: 8" Ref. 165 x
See: 2–4 Tr. 4

						I	II
156	Dp	base loop festoon	NEB	S	23.02	155.1	—
157	Wc	oval	"	"	23.22	167.3	—
158	Dp	festoon base	"	"	23.36	175.8	—
159	Df	" "	"	"	23.45	180.1	—
160	Wp	oval	STeZ		23.55	—	148.5
161	Wp	"	NEB	"	00.20	201.6	—
162	Wf	"	STeZ		00.26	—	167.2
163	Wf	"	NEB	"	00.48	218.6	—

Transits of Jupiter

K.R. Brasch

Oct. 10-11 1960 Period of Obs. 22.48 - 23.18
8" Refl. 165 x
Sec. 4-5 Tran. 2

						I	II
166.	Wp	oval		STeZ		22.48	— 199.4
167.	Dp	base festoon		NEB	S	22.54	355.3 —
168	Df	"	"	"	"	23.05	1.9 —
169.	Wf	oval		STeZ		23.15	— 215.6
170.	Wc	oval		NEB	S	23.18	9.7 —

OCT 8/9 KLAUS BRASCH
8" 165
S-2 T 4

No					
164	Df	bow fest S edge	NEB	23.24	57.6 —
165	Df			23.38	66.0 —

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS
Central Meridian Transits

Date ...Oct. 27-28... 1960.... Planet ....Jupiter.....

Period of Observation ...2218 - 23:12..... U.T.

Telescope ....8" Refl..... Power .....165.....

Seeing(0 worst-10 best) ..4-1..... Transparency (0 worst-5 best) ..4-5..

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

Serial No	Description of Feature				Transit Time U.T.	Longitude I	Longitude II
171	Wf	oval	STeZ		22.18	—	211.5
172	Wc	oval	NEB	S	22.18	185 / 29	—
173	Wf	"	"	"	22.36	145.1	—
174	Wc	"	"	"	22.53	155.3	—
175	D.C	proj.	"	"	23.10	165.5	—