

NORMAL PLACES OF BOSS 5173

No.	Mean Phase	Mean Velocity	Weight	Residual	
				Preliminary	Final
1.....	1.015	- 71.3	3	+ 5.5	+ 1.7
2.....	1.493	- 92.1	1	- 2.2	- 4.2
3.....	1.926	- 91.8	3	0.0	- 0.1
4.....	2.592	- 84.2	2	- 2.3	+ 0.5
5.....	4.151	- 8.2	1	+11.0	+13.3
6.....	5.653	+ 52.2	1.5	+ 7.5	+ 4.5
7.....	6.409	+ 65.0	2	+ 4.6	+ 1.0
8.....	6.989	+ 60.2	2	- 0.5	- 3.5
9.....	7.589	+ 53.6	2.5	+ 4.8	+ 2.9
10.....	9.165	- 11.3	1.5	+15.3	+11.7
11.....	1.019	+ 59.1	2	- 0.6	+ 2.7
12.....	1.450	+ 66.4	1	- 4.0	- 2.0
13.....	1.905	+ 71.6	1.5	- 1.1	- 2.0
14.....	2.501	+ 58.7	1.5	- 5.8	- 9.1
15.....	4.151	- 8.2	0.5	+ 0.4	- 1.5
16.....	5.669	- 86.7	1.5	- 5.8	- 6.3
17.....	6.437	-101.4	1.5	- 2.9	- 3.4
18.....	6.943	- 97.9	1	+ 1.0	- 0.2
19.....	7.631	- 83.3	2	+ 0.3	- 1.5
20.....	9.165	- 11.3	1	-11.1	- 9.4

Preliminary elements were obtained as in the following table.

ELEMENTS OF BOSS 5173

Element	Preliminary	Final
P	9.316 days	9.316 days
e	0.01	0.012
ω	105°	103° 15
ω_1	285°	283° 15
K	77 km.	78.49 km.
K_1	86.7 km.	86.31 km.
γ	-14.20 km.	-13.04 km.
T	J. D. 2,420,304.628	J. D. 2,420,304.628
$a \sin i$		10,054,000 km.
$a_1 \sin i$		11,055,000 km.
$m \sin^3 i$		2.27 ☉
$m_1 \sin^3 i$		2.06 ☉