

Plate	Julian Date	Phase from Final T	Velocity	No. of Lines	Weight	O - C
3395	2418770.646	9.385	- 29.6	6	5	- 0.9
3397	782.666	15.405	+ 9.9	6	6	+ 2.5
3406	787.625	4.524	- 29.3	5	6	- 0.2
3407	789.627	6.526	- 31.5	6	4	+ 2.0
3416	790.594	7.493	- 40.8	5	6	- 7.1
3422	797.549	14.448	+ 2.8 *	5	6	+ 0.7
3441	803.639	4.698	- 32.7	3	5	- 2.9
3454	811.653	12.712	- 13.0	5	4	0.0
3866	9018.965	14.104	+ 5.2	6	2	+ 6.0
3893	027.880	7.179	+ 114.6 *	3	4	- 0.2
4094	106.826	6.925	- 34.0 *	4	3	- 3.1
4182	137.786	6.205	+ 83.7 *	5	5	+ 2.0
4231	148.700	1.279	- 39.8 *	6	4	- 6.1
4297	153.771	6.350	- 32.3	5	3	+ 0.9

* Double spectrum.

The phases are computed from the final value of T , and the residuals are scaled from the corrected curve. The plates were grouped into seventeen normal places, according to phase, and each weighted as in table below.

NORMAL PLACES 1ST SOLUTION

No.	Julian Date	Phase	Velocity	Weight	Residuals O - C
1	2418393.130	1.210	+ 1.50	1.0	+ 4.53
2	742.924	1.733	- 1.75	2.0	- 4.40
3	743.191	2.793	+ 11.44	1.0	+ 1.68
4	419.903	4.224	- 2.87	2.0	- 3.96
5	448.513	5.597	- 13.22	2.5	+ 1.86
6	754.423	6.105	- 21.02	1.0	- 1.74
7	020.966	6.155	- 19.24	1.5	+ 1.30
8	770.127	7.831	- 32.05	2.0	- 2.19
9	349.629	8.623	- 29.49	2.0	+ 2.68
10	771.435	10.293	- 34.45	2.0	- 0.45
11	391.880	10.847	- 33.95	1.5	- 0.13
12	746.138	12.140	- 39.70	2.0	+ 1.52
13	058.684	12.600	- 35.40	.5	- 4.17
14	391.700	13.459	- 27.05	1.0	+ 0.68
15	070.030	15.040	- 18.90	.5	+ 2.82
16	470.591	14.834	- 16.97	1.0	+ 4.75
17	762.449	15.349	- 16.90	1.5	+ 2.23

A velocity curve was drawn through the normal places by the graphical method of Dr. King, giving the following preliminary elements :