

Table 1 : Positions of Solar System Objects

Date	Object-A						Object-B						Object-C						Object-D					
	R.A.			Decl.			R.A.			Decl.			R.A.			Decl.			R.A.			Decl.		
	h	m	s	°	'	"	h	m	s	°	'	"	h	m	s	°	'	"	h	m	s	°	'	"
Jan 1	18	44	7.11	- 23	3	11.92	9	18	19.95	+ 16	30	33.13	15	28	49.55	- 15	14	51.76	15	9	15.05	- 16	57	57.20
2	18	48	32.14	- 22	58	18.94	9	17	59.44	+ 16	32	19.98	15	32	37.40	- 15	27	53.69	15	11	50.45	- 17	8	47.63
3	18	52	56.86	- 22	52	58.47	9	17	38.28	+ 16	34	9.51	15	36	27.82	- 15	40	56.32	15	14	26.14	- 17	19	30.70
4	18	57	21.21	- 22	47	10.65	9	17	16.50	+ 16	36	1.63	15	40	20.75	- 15	53	58.28	15	17	2.13	- 17	30	6.30
5	19	1	45.16	- 22	40	55.67	9	16	54.11	+ 16	37	56.27	15	44	16.12	- 16	6	58.27	15	19	38.41	- 17	40	34.32
6	19	6	8.68	- 22	34	13.69	9	16	31.11	+ 16	39	53.34	15	48	13.90	- 16	19	55.00	15	22	14.98	- 17	50	54.66
7	19	10	31.74	- 22	27	4.91	9	16	7.53	+ 16	41	52.72	15	52	14.02	- 16	32	47.23	15	24	51.85	- 18	1	7.23
8	19	14	54.30	- 22	19	29.54	9	15	43.38	+ 16	43	54.33	15	56	16.44	- 16	45	33.75	15	27	29.01	- 18	11	11.93
9	19	19	16.35	- 22	11	27.82	9	15	18.68	+ 16	45	58.07	16	0	21.12	- 16	58	13.38	15	30	6.46	- 18	21	8.68
10	19	23	37.84	- 22	2	59.97	9	14	53.45	+ 16	48	3.82	16	4	28.02	- 17	10	44.96	15	32	44.21	- 18	30	57.40
11	19	27	58.77	- 21	54	6.25	9	14	27.71	+ 16	50	11.49	16	8	37.09	- 17	23	7.37	15	35	22.25	- 18	40	38.02
12	19	32	19.11	- 21	44	46.94	9	14	1.47	+ 16	52	20.98	16	12	48.29	- 17	35	19.51	15	38	0.58	- 18	50	10.46
13	19	36	38.84	- 21	35	2.30	9	13	34.75	+ 16	54	32.19	16	17	1.59	- 17	47	20.28	15	40	39.21	- 18	59	34.64
14	19	40	57.93	- 21	24	52.64	9	13	7.57	+ 16	56	45.02	16	21	16.94	- 17	59	8.65	15	43	18.13	- 19	8	50.51
15	19	45	16.37	- 21	14	18.25	9	12	39.96	+ 16	58	59.37	16	25	34.31	- 18	10	43.57	15	45	57.34	- 19	17	57.99
16	19	49	34.14	- 21	3	19.44	9	12	11.92	+ 17	1	15.15	16	29	53.66	- 18	22	4.02	15	48	36.85	- 19	26	57.02
17	19	53	51.23	- 20	51	56.52	9	11	43.49	+ 17	3	32.27	16	34	14.95	- 18	33	9.01	15	51	16.65	- 19	35	47.51
18	19	58	7.61	- 20	40	9.83	9	11	14.66	+ 17	5	50.62	16	38	38.13	- 18	43	57.56	15	53	56.73	- 19	44	29.41
19	20	2	23.28	- 20	27	59.67	9	10	45.47	+ 17	8	10.11	16	43	3.17	- 18	54	28.70	15	56	37.11	- 19	53	2.63
20	20	6	38.23	- 20	15	26.38	9	10	15.93	+ 17	10	30.64	16	47	30.03	- 19	4	41.47	15	59	17.76	- 20	1	27.09
21	20	10	52.44	- 20	2	30.27	9	9	46.06	+ 17	12	52.10	16	51	58.65	- 19	14	34.95	16	1	58.70	- 20	9	42.71
22	20	15	5.91	- 19	49	11.67	9	9	15.88	+ 17	15	14.38	16	56	29.01	- 19	24	8.21	16	4	39.91	- 20	17	49.40
23	20	19	18.63	- 19	35	30.90	9	8	45.41	+ 17	17	37.36	17	1	1.06	- 19	33	20.35	16	7	21.40	- 20	25	47.08
24	20	23	30.60	- 19	21	28.30	9	8	14.68	+ 17	20	0.93	17	5	34.74	- 19	42	10.51	16	10	3.16	- 20	33	35.67
25	20	27	41.80	- 19	7	4.21	9	7	43.70	+ 17	22	24.96	17	10	10.02	- 19	50	37.83	16	12	45.19	- 20	41	15.10
26	20	31	52.24	- 18	52	18.99	9	7	12.51	+ 17	24	49.36	17	14	46.85	- 19	58	41.50	16	15	27.49	- 20	48	45.31
27	20	36	1.91	- 18	37	13.01	9	6	41.12	+ 17	27	14.01	17	19	25.16	- 20	6	20.74	16	18	10.04	- 20	56	6.22
28	20	40	10.79	- 18	21	46.66	9	6	9.57	+ 17	29	38.82	17	24	4.91	- 20	13	34.80	16	20	52.84	- 21	3	17.77
29	20	44	18.89	- 18	6	0.34	9	5	37.86	+ 17	32	3.69	17	28	46.04	- 20	20	22.93	16	23	35.88	- 21	10	19.89
30	20	48	26.19	- 17	49	54.45	9	5	6.03	+ 17	34	28.52	17	33	28.49	- 20	26	44.44	16	26	19.15	- 21	17	12.50
31	20	52	32.68	- 17	33	29.39	9	4	34.10	+ 17	36	53.21	17	38	12.21	- 20	32	38.66	16	29	2.65	- 21	23	55.54
Feb 1	20	56	38.36	- 17	16	45.58	9	4	2.10	+ 17	39	17.64	17	42	57.13	- 20	38	4.93	16	31	46.35	- 21	30	28.92
2	21	0	43.22	- 16	59	43.43	9	3	30.03	+ 17	41	41.70	17	47	43.19	- 20	43	2.65	16	34	30.26	- 21	36	52.57
3	21	4	47.25	- 16	42	23.36	9	2	57.94	+ 17	44	5.28	17	52	30.35	- 20	47	31.23	16	37	14.36	- 21	43	6.44
4	21	8	50.46	- 16	24	45.77	9	2	25.85	+ 17	46	28.25	17	57	18.54	- 20	51	30.12	16	39	58.66	- 21	49	10.46
5	21	12	52.84	- 16	6	51.09	9	1	53.78	+ 17	48	50.51	18	2	7.72	- 20	54	58.81	16	42	43.13	- 21	55	4.57
6	21	16	54.40	- 15	48	39.75	9	1	21.76	+ 17	51	11.93	18	6	57.82	- 20	57	56.81	16	45	27.79	- 22	0	48.74
7	21	20	55.14	- 15	30	12.16	9	0	49.82	+ 17	53	32.40	18	11	48.80	- 21	0	23.68	16	48	12.63	- 22	6	22.92
8	21	24	55.06	- 15	11	28.75	9	0	17.97	+ 17	55	51.84	18	16	40.61	- 21	2	19.00	16	50	57.63	- 22	11	47.07
9	21	28	54.18	- 14	52	29.96	8	59	46.26	+ 17	58	10.13	18	21	33.18	- 21	3	42.39	16	53	42.80	- 22	17	1.17
10	21	32	52.49	- 14	33	16.20	8	59	14.69	+ 18	0	27.18	18	26	26.46	- 21	4	33.49	16	56	28.13	- 22	22	5.19
11	21	36	50.00	- 14	13	47.91	8	58	43.29	+ 18	2	42.91	18	31	20.41	- 21	4	51.99	16	59	13.62	- 22	26	59.09
12	21	40	46.73	- 13	54	5.52	8	58	12.10	+ 18	4	57.23	18	36	14.96	- 21	4	37.58	17	1	59.26	- 22	31	42.86
13	21	44	42.68	- 13	34	9.45	8	57	41.12	+ 18	7	10.05	18	41	10.07	- 21	3	49.99	17	4	45.04	- 22	36	16.48
14	21	48	37.86	- 13	14	0.13	8	57	10.38	+ 18	9	21.31	18	46	5.67	- 21	2	29.01	17	7	30.95	- 22	40	39.92
15	21	52	32.29	- 12	53	37.99	8	56	39.90	+ 18	11	30.93	18	51	1.73	- 21	0	34.40	17	10	17.00	- 22	44	53.15
16	21	56	25.98	- 12	33	3.42	8	56	9.70	+ 18	13	38.84	18	55	58.17	- 20	58	5.99	17	13	3.17	- 22	48	56.15
17	22	0	18.94	- 12	12	16.82	8	55	39.79	+ 18	15	44.94	19	0	54.95	- 20	55	3.60	17	15	49.46	- 22	52	48.88
18	22	4	11.20	- 11	51	18.60	8	55	10.21	+ 18	17	49.18	19	5	52.02	- 20	51	27.10	17	18	35.86	- 22	56	31.32
19	22	8	2.76	- 11	30	9.12	8	54	40.97	+ 18	19	51.45	19	10	49.33	- 20	47	16.36	17	21	22.36	- 23	0	3.42
20	22	11	53.65	- 11	8	48.75	8	54	12.08	+ 18	21	51.69	19	15	46.83	- 20	42	31.31	17	24	8.96	- 23	3	25.17
21	22	15	43.89	- 10	47	17.87	8	53	43.58	+ 18	23	49.81	19	20	44.46	- 20	37	11.89	17	26	55.66	- 23	6	36.54
22	22	19	33.50	- 10	25	36.85	8	53	15.48															

Table 1 : Positions of Solar System Objects

Date	Object-A						Object-B						Object-C						Object-D					
	R.A.			Decl.			R.A.			Decl.			R.A.			Decl.			R.A.			Decl.		
	h	m	s	°	'	"	h	m	s	°	'	"	h	m	s	°	'	"	h	m	s	°	'	"
Mar 1	22	46	4.40	-	7	49	39.63	8	50	11.73	+	18	38	11.96	20	0	24.12	-	19	34	5.36	17	49	11.22
2	22	49	49.50	-	7	26	52.12	8	49	47.54	+	18	39	48.61	20	5	20.63	-	19	23	40.19	17	51	58.21
3	22	53	34.10	-	7	3	58.15	8	49	23.91	+	18	41	22.60	20	10	16.76	-	19	12	41.98	17	54	45.18
4	22	57	18.21	-	6	40	58.15	8	49	0.86	+	18	42	53.90	20	15	12.49	-	19	1	10.99	17	57	32.10
5	23	1	1.85	-	6	17	52.52	8	48	38.41	+	18	44	22.44	20	20	7.76	-	18	49	7.55	18	0	18.98
6	23	4	45.05	-	5	54	41.66	8	48	16.58	+	18	45	48.18	20	25	2.56	-	18	36	31.97	18	3	5.79
7	23	8	27.80	-	5	31	26.00	8	47	55.38	+	18	47	11.08	20	29	56.84	-	18	23	24.62	18	5	52.54
8	23	12	10.14	-	5	8	5.92	8	47	34.81	+	18	48	31.12	20	34	50.58	-	18	9	45.85	18	8	39.21
9	23	15	52.09	-	4	44	41.83	8	47	14.91	+	18	49	48.26	20	39	43.75	-	17	55	36.07	18	11	25.80
10	23	19	33.65	-	4	21	14.14	8	46	55.67	+	18	51	2.48	20	44	36.31	-	17	40	55.69	18	14	12.30
11	23	23	14.85	-	3	57	43.23	8	46	37.11	+	18	52	13.76	20	49	28.26	-	17	25	45.14	18	16	58.70
12	23	26	55.71	-	3	34	9.51	8	46	19.24	+	18	53	22.09	20	54	19.56	-	17	10	4.87	18	19	44.98
13	23	30	36.25	-	3	10	33.37	8	46	2.06	+	18	54	27.45	20	59	10.20	-	16	53	55.33	18	22	31.16
14	23	34	16.48	-	2	46	55.19	8	45	45.59	+	18	55	29.83	21	4	0.16	-	16	37	17.01	18	25	17.21
15	23	37	56.43	-	2	23	15.36	8	45	29.83	+	18	56	29.24	21	8	49.43	-	16	20	10.37	18	28	3.12
16	23	41	36.11	-	1	59	34.24	8	45	14.78	+	18	57	25.64	21	13	37.99	-	16	2	35.92	18	30	48.89
17	23	45	15.56	-	1	35	52.20	8	45	0.46	+	18	58	19.04	21	18	25.83	-	15	44	34.15	18	33	34.52
18	23	48	54.79	-	1	12	9.57	8	44	46.86	+	18	59	9.41	21	23	12.94	-	15	26	5.54	18	36	19.99
19	23	52	33.84	-	0	48	26.70	8	44	33.99	+	18	59	56.73	21	27	59.33	-	15	7	10.62	18	39	5.30
20	23	56	12.72	-	0	24	43.88	8	44	21.87	+	19	0	40.98	21	32	44.99	-	14	47	49.88	18	41	50.44
21	23	59	51.47	-	0	1	1.44	8	44	10.49	+	19	1	22.16	21	37	29.92	-	14	28	3.87	18	44	35.40
22	0	3	30.11	+	0	22	40.30	8	43	59.87	+	19	2	0.26	21	42	14.12	-	14	7	53.13	18	47	20.18
23	0	7	8.67	+	0	46	21.01	8	43	50.01	+	19	2	35.30	21	46	57.60	-	13	47	18.24	18	50	4.77
24	0	10	47.16	+	1	10	0.35	8	43	40.91	+	19	3	7.28	21	51	40.34	-	13	26	19.81	18	52	49.14
25	0	14	25.62	+	1	33	37.96	8	43	32.58	+	19	3	36.21	21	56	22.35	-	13	4	58.42	18	55	33.28
26	0	18	4.04	+	1	57	13.49	8	43	25.02	+	19	4	2.11	22	1	3.63	-	12	43	14.71	18	58	17.19
27	0	21	42.46	+	2	20	46.55	8	43	18.22	+	19	4	24.97	22	5	44.17	-	12	21	9.30	19	1	0.83
28	0	25	20.89	+	2	44	16.79	8	43	12.20	+	19	4	44.79	22	10	24.00	-	11	58	42.81	19	3	44.19
29	0	28	59.35	+	3	7	43.84	8	43	6.96	+	19	5	1.56	22	15	3.10	-	11	35	55.88	19	6	27.27
30	0	32	37.85	+	3	31	7.33	8	43	2.49	+	19	5	15.27	22	19	41.49	-	11	12	49.15	19	9	10.05
31	0	36	16.42	+	3	54	26.88	8	42	58.80	+	19	5	25.92	22	24	19.18	-	10	49	23.26	19	11	52.52
Apr 1	0	39	55.06	+	4	17	42.14	8	42	55.89	+	19	5	33.51	22	28	56.18	-	10	25	38.84	19	14	34.66
2	0	43	33.80	+	4	40	52.73	8	42	53.76	+	19	5	38.03	22	33	32.51	-	10	1	36.56	19	17	16.48
3	0	47	12.66	+	5	3	58.29	8	42	52.42	+	19	5	39.49	22	38	8.18	-	9	37	17.06	19	19	57.94
4	0	50	51.65	+	5	26	58.45	8	42	51.87	+	19	5	37.89	22	42	43.21	-	9	12	41.00	19	22	39.06
5	0	54	30.79	+	5	49	52.85	8	42	52.09	+	19	5	33.23	22	47	17.62	-	8	47	49.03	19	25	19.82
6	0	58	10.09	+	6	12	41.12	8	42	53.10	+	19	5	25.55	22	51	51.42	-	8	22	41.81	19	28	0.21
7	1	1	49.58	+	6	35	22.91	8	42	54.89	+	19	5	14.84	22	56	24.65	-	7	57	20.01	19	30	40.22
8	1	5	29.26	+	6	57	57.84	8	42	57.46	+	19	5	1.14	23	0	57.33	-	7	31	44.30	19	33	19.85
9	1	9	9.15	+	7	20	25.56	8	43	0.80	+	19	4	44.45	23	5	29.47	-	7	5	55.32	19	35	59.08
10	1	12	49.27	+	7	42	45.71	8	43	4.91	+	19	4	24.80	23	10	1.10	-	6	39	53.75	19	38	37.92
11	1	16	29.64	+	8	4	57.93	8	43	9.78	+	19	4	2.21	23	14	32.25	-	6	13	40.24	19	41	16.34
12	1	20	10.26	+	8	27	1.87	8	43	15.41	+	19	3	36.69	23	19	2.94	-	5	47	15.46	19	43	54.35
13	1	23	51.15	+	8	48	57.18	8	43	21.79	+	19	3	8.26	23	23	33.21	-	5	20	40.04	19	46	31.94
14	1	27	32.34	+	9	10	43.54	8	43	28.92	+	19	2	36.92	23	28	3.08	-	4	53	54.64	19	49	9.10
15	1	31	13.84	+	9	32	20.62	8	43	36.79	+	19	2	2.68	23	32	32.59	-	4	26	59.89	19	51	45.83
16	1	34	55.67	+	9	53	48.12	8	43	45.39	+	19	1	25.55	23	37	1.77	-	3	59	56.40	19	54	22.12
17	1	38	37.86	+	10	15	5.74	8	43	54.74	+	19	0	45.53	23	41	30.67	-	3	32	44.81	19	56	57.97
18	1	42	20.43	+	10	36	13.21	8	44	4.81	+	19	0	2.63	23	45	59.30	-	3	5	25.74	19	59	33.37
19	1	46	3.40	+	10	57	10.23	8	44	15.61	+	18	59	16.88	23	50	27.72	-	2	37	59.82	20	2	8.32
20	1	49	46.78	+	11	17	56.52	8	44	27.13	+	18	58	28.31	23	54	55.96	-	2	10	27.70	20	4	42.80
21	1	53	30.59	+	11	38	31.75	8	44	39.37	+	18	57	36.95	23	59	24.03	-	1	42	50.04	20	7	16.80
22	1	57	14.85	+	11	58	55.62	8	44	52.32	+	18	56	42.83	0	3	51.99	-	1	15	7.53	20	9	50.29
23	2	0	59.56	+	12	19	7.78	8	45	5.97	+	18	55	45.95	0	8	19.85	-	0	47	20.83	20	12	23.27
24	2	4	44.74	+	12	39	7.91	8	45	20.32	+	18	54	46.34	0	12	47.66	-	0	19	30.64	20	14	55.72
25	2	8	30.40	+	12	58	55.66	8	45	35.36	+	18	53	43.99	0	17	15.43	+	0	8	22.38	20	17	27.62
26	2	12	16.55	+	13	18	30.69	8	45	51.08	+	18	52	38.91	0	21	43.22	+	0	36	17.55	20	19	58.95
27	2	16	3.20	+	13	37	52.67	8	46	7.49	+	18	51	31.11	0	26	11.04	+	1	4	14.18	20	22	29.72
28	2	19	50.36	+	13	57	1.25	8	46	24.57	+	18	50	20.59	0	30	38.93	+	1	32	11.59	20	24	59.89
29	2	23	38.04	+	14	15	56.10	8	46	42.32	+	18	49	7.35	0	35	6.93	+	2	0	9.11	20	27	29.47
30	2	27	26.24	+	14	34	36.89	8	47	0.73	+	18	47	51.41	0	39	35.07	+	2	28	6.06	20	29	58.44

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Date	Object-A						Object-B						Object-C						Object-D					
	R.A.			Decl.			R.A.			Decl.			R.A.			Decl.			R.A.			Decl.		
	h	m	s	°	'	"	h	m	s	°	'	"	h	m	s	°	'	"	h	m	s	°	'	"
May 1	2	31	14.97	+	14	53	3.27	8	47	19.81	+	18	46	32.78	0	44	3.39	+	2	56	1.76	20	32	26.79
2	2	35	4.24	+	15	11	14.92	8	47	39.54	+	18	45	11.47	0	48	31.92	+	3	23	55.52	20	34	54.51
3	2	38	54.04	+	15	29	11.50	8	47	59.91	+	18	43	47.50	0	53	0.70	+	3	51	46.66	20	37	21.59
4	2	42	44.40	+	15	46	52.68	8	48	20.93	+	18	42	20.90	0	57	29.76	+	4	19	34.49	20	39	48.02
5	2	46	35.29	+	16	4	18.13	8	48	42.57	+	18	40	51.68	1	1	59.13	+	4	47	18.32	20	42	13.78
6	2	50	26.74	+	16	21	27.53	8	49	4.85	+	18	39	19.87	1	6	28.84	+	5	14	57.48	20	44	38.88
7	2	54	18.73	+	16	38	20.54	8	49	27.73	+	18	37	45.49	1	10	58.94	+	5	42	31.26	20	47	3.30
8	2	58	11.28	+	16	54	56.85	8	49	51.22	+	18	36	8.56	1	15	29.46	+	6	9	58.98	20	49	27.03
9	3	2	4.37	+	17	11	16.13	8	50	15.31	+	18	34	29.11	1	20	0.42	+	6	37	19.94	20	51	50.07
10	3	5	58.01	+	17	27	18.08	8	50	39.98	+	18	32	47.15	1	24	31.86	+	7	4	33.46	20	54	12.40
11	3	9	52.20	+	17	43	2.38	8	51	5.23	+	18	31	2.69	1	29	3.82	+	7	31	38.86	20	56	34.02
12	3	13	46.94	+	17	58	28.74	8	51	31.05	+	18	29	15.74	1	33	36.34	+	7	58	35.45	20	58	54.92
13	3	17	42.23	+	18	13	36.88	8	51	57.43	+	18	27	26.31	1	38	9.44	+	8	25	22.56	21	1	15.09
14	3	21	38.08	+	18	28	26.53	8	52	24.37	+	18	25	34.40	1	42	43.17	+	8	51	59.54	21	3	34.54
15	3	25	34.50	+	18	42	57.44	8	52	51.86	+	18	23	40.03	1	47	17.56	+	9	18	25.71	21	5	53.25
16	3	29	31.48	+	18	57	9.38	8	53	19.90	+	18	21	43.22	1	51	52.65	+	9	44	40.42	21	8	11.21
17	3	33	29.03	+	19	11	2.10	8	53	48.47	+	18	19	43.99	1	56	28.48	+	10	10	43.01	21	10	28.42
18	3	37	27.14	+	19	24	35.38	8	54	17.57	+	18	17	42.38	2	1	5.07	+	10	36	32.80	21	12	44.86
19	3	41	25.83	+	19	37	48.97	8	54	47.19	+	18	15	38.42	2	5	42.45	+	11	2	9.08	21	15	0.50
20	3	45	25.08	+	19	50	42.62	8	55	17.32	+	18	13	32.12	2	10	20.66	+	11	27	31.17	21	17	15.33
21	3	49	24.89	+	20	3	16.07	8	55	47.96	+	18	11	23.50	2	14	59.71	+	11	52	38.33	21	19	29.32
22	3	53	25.25	+	20	15	29.06	8	56	19.09	+	18	9	12.58	2	19	39.64	+	12	17	29.86	21	21	42.45
23	3	57	26.15	+	20	27	21.33	8	56	50.72	+	18	6	59.34	2	24	20.47	+	12	42	5.04	21	23	54.70
24	4	1	27.59	+	20	38	52.62	8	57	22.82	+	18	4	43.81	2	29	2.22	+	13	6	23.14	21	26	6.05
25	4	5	29.56	+	20	50	2.70	8	57	55.40	+	18	2	25.97	2	33	44.92	+	13	30	23.45	21	28	16.48
26	4	9	32.05	+	21	0	51.32	8	58	28.46	+	18	0	5.83	2	38	28.59	+	13	54	5.26	21	30	25.98
27	4	13	35.04	+	21	11	18.24	8	59	1.98	+	17	57	43.41	2	43	13.25	+	14	17	27.84	21	32	34.51
28	4	17	38.53	+	21	21	23.24	8	59	35.96	+	17	55	18.72	2	47	58.92	+	14	40	30.47	21	34	42.07
29	4	21	42.50	+	21	31	6.09	9	0	10.39	+	17	52	51.77	2	52	45.61	+	15	3	12.46	21	36	48.63
30	4	25	46.93	+	21	40	26.59	9	0	45.28	+	17	50	22.57	2	57	33.34	+	15	25	33.06	21	38	54.17
31	4	29	51.80	+	21	49	24.51	9	1	20.60	+	17	47	51.15	3	2	22.13	+	15	47	31.59	21	40	58.68
Jun 1	4	33	57.10	+	21	57	59.68	9	1	56.35	+	17	45	17.53	3	7	11.98	+	16	9	7.31	21	43	2.13
2	4	38	2.81	+	22	6	11.87	9	2	32.52	+	17	42	41.73	3	12	2.90	+	16	30	19.52	21	45	4.51
3	4	42	8.91	+	22	14	0.93	9	3	9.12	+	17	40	3.77	3	16	54.91	+	16	51	7.50	21	47	5.79
4	4	46	15.36	+	22	21	26.65	9	3	46.11	+	17	37	23.68	3	21	48.00	+	17	11	30.56	21	49	5.95
5	4	50	22.16	+	22	28	28.87	9	4	23.51	+	17	34	41.47	3	26	42.19	+	17	31	27.98	21	51	4.99
6	4	54	29.28	+	22	35	7.43	9	5	1.29	+	17	31	57.18	3	31	37.47	+	17	50	59.07	21	53	2.87
7	4	58	36.70	+	22	41	22.17	9	5	39.45	+	17	29	10.80	3	36	33.84	+	18	10	3.13	21	54	59.58
8	5	2	44.39	+	22	47	12.95	9	6	17.99	+	17	26	22.36	3	41	31.31	+	18	28	39.49	21	56	55.10
9	5	6	52.34	+	22	52	39.64	9	6	56.89	+	17	23	31.85	3	46	29.88	+	18	46	47.46	21	58	49.43
10	5	11	0.53	+	22	57	42.13	9	7	36.15	+	17	20	39.29	3	51	29.53	+	19	4	26.41	22	0	42.53
11	5	15	8.94	+	23	2	20.32	9	8	15.76	+	17	17	44.69	3	56	30.29	+	19	21	35.68	22	2	34.39
12	5	19	17.55	+	23	6	34.15	9	8	55.72	+	17	14	48.06	4	1	32.13	+	19	38	14.65	22	4	25.00
13	5	23	26.35	+	23	10	23.54	9	9	36.03	+	17	11	49.44	4	6	35.05	+	19	54	22.73	22	6	14.33
14	5	27	35.32	+	23	13	48.45	9	10	16.67	+	17	8	48.83	4	11	39.04	+	20	9	59.29	22	8	2.35
15	5	31	44.44	+	23	16	48.84	9	10	57.64	+	17	5	46.29	4	16	44.09	+	20	25	3.75	22	9	49.04
16	5	35	53.69	+	23	19	24.66	9	11	38.93	+	17	2	41.84	4	21	50.19	+	20	39	35.51	22	11	34.35
17	5	40	3.05	+	23	21	35.85	9	12	20.54	+	16	59	35.50	4	26	57.30	+	20	53	33.97	22	13	18.26
18	5	44	12.50	+	23	23	22.38	9	13	2.45	+	16	56	27.27	4	32	5.42	+	21	6	58.55	22	15	0.71
19	5	48	22.02	+	23	24	44.18	9	13	44.66	+	16	53	17.18	4	37	14.51	+	21	19	48.68	22	16	41.68
20	5	52	31.58	+	23	25	41.23	9	14	27.17	+	16	50	5.22	4	42	24.56	+	21	32	3.79	22	18	21.11
21	5	56	41.18	+	23	26	13.51	9	15	9.96	+	16	46	51.39	4	47	35.53	+	21	43	43.34	22	19	58.98
22	6	0	50.78	+	23	26	20.99	9	15	53.04	+	16	43	35.70	4	52	47.40	+	21	54	46.83	22	21	35.25
23	6	5	0.37	+	23	26	3.67	9	16	36.41	+	16	40	18.16	4	58	0.13	+	22	5	13.74	22	23	9.86
24	6	9	9.91	+	23	25	21.57	9	17	20.04	+	16	36	58.79	5	3	13.69	+	22	15	3.59	22	24	42.79
25	6	13	19.39	+	23	24	14.70	9	18	3.95	+	16	33	37.59	5	8	28.04	+	22	24	15.94	22	26	13.98
26	6	17	28.78	+	23	22	43.09	9	18	48.13	+	16	30	14.59	5	13	43.14	+	22	32	50.35	22	27	43.41
27	6	21	38.05	+	23	20	46.79	9	19	32.57	+	16	26	49.80	5	18	58.94	+	22	40	46.40	22	29	11.03
28	6	25	47.19	+	23	18	25.86	9	20	17.26	+	16	23	23.25	5	24	15.41	+	22	48	3.72	22	30	36.80
29	6	29	56.15	+	23	15	40.35	9	21	2.20	+	16	19	54.96	5	29	32.50	+	22	54	41.93	22	32	0.68
30	6	34	4.92	+	23	12	30.34	9	21	47.38	+	16	16	24.96	5	34	50.15	+	23	0	40.69	22	33	22.62

Table 1 : Positions of Solar System Objects

Date	Object-A					Object-B					Object-C					Object-D				
	R.A.			Decl.		R.A.			Decl.		R.A.			Decl.		R.A.			Decl.	
	h	m	s	°	'	h	m	s	°	'	h	m	s	°	'	h	m	s	°	'
Jul 1	6	38	13.47	+ 23	8 55.91	9	22	32.79	+ 16	12 53.27	5	40	8.32	+ 23	5 59.70	22	34	42.59	- 13	36 28.63
2	6	42	21.77	+ 23	4 57.16	9	23	18.42	+ 16	9 19.92	5	45	26.95	+ 23	10 38.66	22	36	0.54	- 13	32 43.65
3	6	46	29.79	+ 23	0 34.18	9	24	4.28	+ 16	5 44.94	5	50	45.98	+ 23	14 37.31	22	37	16.44	- 13	29 10.63
4	6	50	37.51	+ 22	55 47.09	9	24	50.34	+ 16	2 8.33	5	56	5.37	+ 23	17 55.40	22	38	30.24	- 13	25 49.82
5	6	54	44.90	+ 22	50 36.00	9	25	36.61	+ 15	58 30.12	6	1	25.06	+ 23	20 32.74	22	39	41.92	- 13	22 41.46
6	6	58	51.94	+ 22	45 1.04	9	26	23.08	+ 15	54 50.31	6	6	44.99	+ 23	22 29.14	22	40	51.43	- 13	19 45.76
7	7	2	58.61	+ 22	39 2.35	9	27	9.74	+ 15	51 8.92	6	12	5.12	+ 23	23 44.46	22	41	58.74	- 13	17 2.93
8	7	7	4.90	+ 22	32 40.08	9	27	56.59	+ 15	47 25.97	6	17	25.38	+ 23	24 18.59	22	43	3.82	- 13	14 33.16
9	7	11	10.78	+ 22	25 54.41	9	28	43.62	+ 15	43 41.46	6	22	45.73	+ 23	24 11.45	22	44	6.62	- 13	12 16.65
10	7	15	16.25	+ 22	18 45.52	9	29	30.84	+ 15	39 55.43	6	28	6.12	+ 23	23 23.00	22	45	7.12	- 13	10 13.60
11	7	19	21.28	+ 22	11 13.58	9	30	18.23	+ 15	36 7.90	6	33	26.48	+ 23	21 53.24	22	46	5.27	- 13	8 24.21
12	7	23	25.86	+ 22	3 18.81	9	31	5.80	+ 15	32 18.91	6	38	46.77	+ 23	19 42.18	22	47	1.02	- 13	6 48.71
13	7	27	29.99	+ 21	55 1.40	9	31	53.52	+ 15	28 28.48	6	44	6.94	+ 23	16 49.88	22	47	54.32	- 13	5 27.32
14	7	31	33.64	+ 21	46 21.54	9	32	41.41	+ 15	24 36.66	6	49	26.92	+ 23	13 16.39	22	48	45.13	- 13	4 20.27
15	7	35	36.82	+ 21	37 19.43	9	33	29.44	+ 15	20 43.45	6	54	46.66	+ 23	9 1.81	22	49	33.38	- 13	3 27.81
16	7	39	39.50	+ 21	27 55.24	9	34	17.62	+ 15	16 48.88	7	0	6.11	+ 23	4 6.24	22	50	19.03	- 13	2 50.15
17	7	43	41.67	+ 21	18 9.18	9	35	5.94	+ 15	12 52.95	7	5	25.23	+ 22	58 29.81	22	51	2.01	- 13	2 27.50
18	7	47	43.34	+ 21	8 1.43	9	35	54.39	+ 15	8 55.67	7	10	43.96	+ 22	52 12.70	22	51	42.27	- 13	2 20.04
19	7	51	44.49	+ 20	57 32.21	9	36	42.98	+ 15	4 57.05	7	16	2.25	+ 22	45 15.08	22	52	19.77	- 13	2 27.93
20	7	55	45.12	+ 20	46 41.72	9	37	31.70	+ 15	0 57.10	7	21	20.06	+ 22	37 37.20	22	52	54.45	- 13	2 51.30
21	7	59	45.21	+ 20	35 30.18	9	38	20.55	+ 14	56 55.83	7	26	37.34	+ 22	29 19.30	22	53	26.26	- 13	3 30.26
22	8	3	44.77	+ 20	23 57.84	9	39	9.52	+ 14	52 53.26	7	31	54.04	+ 22	20 21.68	22	53	55.16	- 13	4 24.88
23	8	7	43.77	+ 20	12 4.93	9	39	58.61	+ 14	48 49.41	7	37	10.12	+ 22	10 44.64	22	54	21.11	- 13	5 35.20
24	8	11	42.22	+ 19	59 51.70	9	40	47.82	+ 14	44 44.30	7	42	25.54	+ 22	0 28.53	22	54	44.07	- 13	7 1.22
25	8	15	40.10	+ 19	47 18.40	9	41	37.14	+ 14	40 37.96	7	47	40.25	+ 21	49 33.70	22	55	4.00	- 13	8 42.90
26	8	19	37.41	+ 19	34 25.29	9	42	26.56	+ 14	36 30.42	7	52	54.21	+ 21	38 0.57	22	55	20.87	- 13	10 40.18
27	8	23	34.14	+ 19	21 12.66	9	43	16.08	+ 14	32 21.71	7	58	7.38	+ 21	25 49.54	22	55	34.65	- 13	12 52.91
28	8	27	30.27	+ 19	7 40.77	9	44	5.69	+ 14	28 11.86	8	3	19.73	+ 21	13 1.05	22	55	45.32	- 13	15 20.93
29	8	31	25.81	+ 18	53 49.90	9	44	55.40	+ 14	24 0.89	8	8	31.22	+ 20	59 35.56	22	55	52.86	- 13	18 4.00
30	8	35	20.74	+ 18	39 40.35	9	45	45.18	+ 14	19 48.84	8	13	41.81	+ 20	45 33.56	22	55	57.26	- 13	21 1.84
31	8	39	15.06	+ 18	25 12.39	9	46	35.03	+ 14	15 35.74	8	18	51.48	+ 20	30 55.54	22	55	58.52	- 13	24 14.08
Aug 1	8	43	8.76	+ 18	10 26.33	9	47	24.95	+ 14	11 21.59	8	24	0.19	+ 20	15 42.02	22	55	56.64	- 13	27 40.32
2	8	47	1.84	+ 17	55 22.45	9	48	14.94	+ 14	7 6.44	8	29	7.91	+ 19	59 53.53	22	55	51.64	- 13	31 20.07
3	8	50	54.29	+ 17	40 1.05	9	49	4.99	+ 14	2 50.28	8	34	14.63	+ 19	43 30.62	22	55	43.53	- 13	35 12.80
4	8	54	46.12	+ 17	24 22.44	9	49	55.09	+ 13	58 33.13	8	39	20.33	+ 19	26 33.86	22	55	32.34	- 13	39 17.94
5	8	58	37.32	+ 17	8 26.93	9	50	45.24	+ 13	54 15.03	8	44	25.00	+ 19	9 3.84	22	55	18.10	- 13	43 34.86
6	9	2	27.91	+ 16	52 14.82	9	51	35.45	+ 13	49 55.99	8	49	28.61	+ 18	51 1.16	22	55	0.85	- 13	48 2.92
7	9	6	17.88	+ 16	35 46.45	9	52	25.69	+ 13	45 36.05	8	54	31.15	+ 18	32 26.44	22	54	40.61	- 13	52 41.44
8	9	10	7.24	+ 16	19 2.11	9	53	15.98	+ 13	41 15.25	8	59	32.63	+ 18	13 20.32	22	54	17.45	- 13	57 29.74
9	9	13	55.99	+ 16	2 2.14	9	54	6.31	+ 13	36 53.62	9	4	33.03	+ 17	53 43.44	22	53	51.39	- 14	2 27.11
10	9	17	44.15	+ 15	44 46.84	9	54	56.66	+ 13	32 31.19	9	9	32.34	+ 17	33 36.45	22	53	22.49	- 14	7 32.82
11	9	21	31.73	+ 15	27 16.50	9	55	47.03	+ 13	28 8.01	9	14	30.57	+ 17	13 0.00	22	52	50.79	- 14	12 46.10
12	9	25	18.72	+ 15	9 31.42	9	56	37.42	+ 13	23 44.09	9	19	27.72	+ 16	51 54.74	22	52	16.36	- 14	18 6.17
13	9	29	5.14	+ 14	51 31.88	9	57	27.83	+ 13	19 19.45	9	24	23.78	+ 16	30 21.33	22	51	39.27	- 14	23 32.20
14	9	32	51.01	+ 14	33 18.17	9	58	18.25	+ 13	14 54.10	9	29	18.76	+ 16	8 20.42	22	50	59.57	- 14	29 3.32
15	9	36	36.34	+ 14	14 50.55	9	59	8.67	+ 13	10 28.06	9	34	12.68	+ 15	45 52.67	22	50	17.36	- 14	34 38.62
16	9	40	21.14	+ 13	56 9.33	9	59	59.10	+ 13	6 1.35	9	39	5.55	+ 15	22 58.76	22	49	32.73	- 14	40 17.15
17	9	44	5.43	+ 13	37 14.77	10	0	49.53	+ 13	1 33.97	9	43	57.37	+ 14	59 39.37	22	48	45.78	- 14	45 57.91
18	9	47	49.22	+ 13	18 7.19	10	1	39.97	+ 12	57 5.95	9	48	48.16	+ 14	35 55.16	22	47	56.61	- 14	51 39.88
19	9	51	32.51	+ 12	58 46.88	10	2	30.40	+ 12	52 37.33	9	53	37.94	+ 14	11 46.85	22	47	5.36	- 14	57 22.01
20	9	55	15.33	+ 12	39 14.15	10	3	20.82	+ 12	48 8.12	9	58	26.72	+ 13	47 15.13	22	46	12.15	- 15	3 3.20
21	9	58	57.69	+ 12	19 29.30	10	4	11.24	+ 12	43 38.42	10	3	14.51	+ 13	22 20.73	22	45	17.11	- 15	8 42.35
22	10	2	39.59	+ 11	59 32.65	10	5	1.63	+ 12	39 8.36	10	8	1.34	+ 12	57 4.36	22	44	20.41	- 15	14 18.33
23	10	6	21.05	+ 11	39 24.52	10	5	51.98	+ 12	34 37.64	10	12	47.23	+ 12	31 26.75	22	43	22.19	- 15	19 50.00
24	10	10	2.08	+ 11	19 5.24	10	6	42.33	+ 12	30 6.20	10	17	32.20	+ 12	5 28.62	22	42	22.61	- 15	25 16.22
25	10	13	42.68	+ 10	58 35.13	10	7	32.64	+ 12	25 34.43	10	22	16.26	+ 11	39 10.72	22	41	21.86	- 15	30 35.83
26	10	17	22.88	+ 10	37 54.52	10	8	22.92	+ 12	21 2.34	10	26	59.44	+ 11	12 33.76	22	40	20.12	- 15	35 47.67
27	10	21	2.68	+ 10	17 3.75	10	9	13.15	+ 12	16 29.92	10	31	41.76	+ 10	45 38.48	22	39	17.56	- 15	40 50.60
28	10	24	42.09	+ 9	56 3.16	10	10	3.34	+ 12	11 57.19	10	36	23.25	+ 10	18 25.63	22	38	14.39	- 15	45 43.48
29	10	28	21.11	+ 9	34 53.09	10	10	53.46	+ 12	7 24.18	10	41	3.94	+ 9	50 55.93	22	37	10.80	- 15	50 25.18
30	10	31	59.78	+ 9	13 33.88	10	11	43.53	+ 12	2 50.90	10	45	43.85	+ 9	23 10.12	22	36	7.01	- 15	54 54.62
31	10	35	38.08	+ 8	52 5.86	10	12	33.54	+ 11	58 17.38	10	50	23.01	+ 8	55 8.93	22	35	3.20	- 15	59 10.76

Table 1 : Positions of Solar System Objects

Date	Object-A					Object-B					Object-C					Object-D								
	R.A.			Decl.		R.A.			Decl.		R.A.			Decl.		R.A.			Decl.					
	h	m	s	°	'	°	'	°	'	°	'	°	'	°	'	°	'	°	'	°	'			
Sep 1	10	39	16.06	+	8 30	23.38	10	13	23.48	+	11 53	43.64	10	55	1.46	+	8 26	53.10	22	33	59.60	-	16 3	12.63
2	10	42	53.71	+	8 8	44.78	10	14	13.36	+	11 49	9.72	10	59	39.22	+	7 58	23.36	22	32	56.38	-	16 6	59.33
3	10	46	31.05	+	7 46	52.42	10	15	3.16	+	11 44	35.65	11	4	16.34	+	7 29	40.47	22	31	53.75	-	16 10	30.06
4	10	50	8.10	+	7 24	52.63	10	15	52.88	+	11 40	1.48	11	8	52.84	+	7 0	45.16	22	30	51.89	-	16 13	44.09
5	10	53	44.88	+	7 2	45.76	10	16	42.52	+	11 35	27.25	11	13	28.77	+	6 31	38.18	22	29	50.98	-	16 16	40.80
6	10	57	21.40	+	6 40	32.14	10	17	32.08	+	11 30	53.00	11	18	4.15	+	6 2	20.27	22	28	51.17	-	16 19	19.65
7	11	0	57.68	+	6 18	12.10	10	18	21.53	+	11 26	18.78	11	22	39.02	+	5 32	52.15	22	27	52.64	-	16 21	40.15
8	11	4	33.74	+	5 55	45.96	10	19	10.89	+	11 21	44.60	11	27	13.42	+	5 3	14.56	22	26	55.53	-	16 23	41.90
9	11	8	9.60	+	5 33	14.02	10	20	0.15	+	11 17	10.51	11	31	47.38	+	4 33	28.22	22	25	59.98	-	16 25	24.57
10	11	11	45.30	+	5 10	36.58	10	20	49.30	+	11 12	36.53	11	36	20.96	+	4 3	33.84	22	25	6.14	-	16 26	47.85
11	11	15	20.83	+	4 47	53.94	10	21	38.34	+	11 8	2.67	11	40	54.19	+	3 33	32.12	22	24	14.14	-	16 27	51.52
12	11	18	56.25	+	4 25	6.38	10	22	27.26	+	11 3	28.95	11	45	27.12	+	3 3	23.77	22	23	24.10	-	16 28	35.38
13	11	22	31.55	+	4 2	14.22	10	23	16.08	+	10 58	55.41	11	49	59.79	+	2 33	9.50	22	22	36.15	-	16 28	59.30
14	11	26	6.78	+	3 39	17.74	10	24	4.77	+	10 54	22.06	11	54	32.24	+	2 2	50.01	22	21	50.40	-	16 29	3.17
15	11	29	41.95	+	3 16	17.25	10	24	53.34	+	10 49	48.93	11	59	4.52	+	1 32	26.03	22	21	6.97	-	16 28	46.94
16	11	33	17.08	+	2 53	13.05	10	25	41.79	+	10 45	16.05	12	3	36.66	+	1 1	58.26	22	20	25.94	-	16 28	10.59
17	11	36	52.20	+	2 30	5.47	10	26	30.11	+	10 40	43.47	12	8	8.72	+	0 31	27.42	22	19	47.43	-	16 27	14.13
18	11	40	27.33	+	2 6	54.83	10	27	18.29	+	10 36	11.22	12	12	40.73	+	0 0	54.24	22	19	11.51	-	16 25	57.62
19	11	44	2.48	+	1 43	41.44	10	28	6.34	+	10 31	39.34	12	17	12.75	-	0 29	40.56	22	18	38.27	-	16 24	21.13
20	11	47	37.68	+	1 20	25.64	10	28	54.24	+	10 27	7.87	12	21	44.80	-	1 0	16.24	22	18	7.79	-	16 22	24.79
21	11	51	12.95	+	0 57	7.78	10	29	41.99	+	10 22	36.85	12	26	16.93	-	1 30	52.06	22	17	40.13	-	16 20	8.70
22	11	54	48.30	+	0 33	48.18	10	30	29.58	+	10 18	6.34	12	30	49.19	-	2 1	27.30	22	17	15.35	-	16 17	33.04
23	11	58	23.75	+	0 10	27.20	10	31	17.01	+	10 13	36.36	12	35	21.61	-	2 32	1.20	22	16	53.51	-	16 14	37.97
24	12	1	59.32	-	0 12	54.79	10	32	4.28	+	10 9	6.98	12	39	54.23	-	3 2	33.01	22	16	34.65	-	16 11	23.65
25	12	5	35.02	-	0 36	17.46	10	32	51.36	+	10 4	38.21	12	44	27.10	-	3 33	1.98	22	16	18.83	-	16 7	50.29
26	12	9	10.88	-	0 59	40.42	10	33	38.27	+	10 0	10.09	12	49	0.26	-	4 3	27.36	22	16	6.08	-	16 3	58.07
27	12	12	46.92	-	1 23	3.31	10	34	25.00	+	9 55	42.66	12	53	33.74	-	4 33	48.40	22	15	56.43	-	15 59	47.22
28	12	16	23.14	-	1 46	25.77	10	35	11.54	+	9 51	15.95	12	58	7.60	-	5 4	4.34	22	15	49.90	-	15 55	17.96
29	12	19	59.57	-	2 9	47.42	10	35	57.88	+	9 46	49.99	13	2	41.87	-	5 34	14.42	22	15	46.52	-	15 50	30.56
30	12	23	36.23	-	2 33	7.88	10	36	44.04	+	9 42	24.82	13	7	16.59	-	6 4	17.88	22	15	46.27	-	15 45	25.33
Oct 1	12	27	13.13	-	2 56	26.78	10	37	29.99	+	9 38	0.50	13	11	51.80	-	6 34	13.96	22	15	49.15	-	15 40	2.60
2	12	30	50.29	-	3 19	43.73	10	38	15.74	+	9 33	37.08	13	16	27.53	-	7 4	1.86	22	15	55.15	-	15 34	22.76
3	12	34	27.72	-	3 42	58.36	10	39	1.28	+	9 29	14.61	13	21	3.83	-	7 33	40.82	22	16	4.25	-	15 28	26.19
4	12	38	5.45	-	4 6	10.29	10	39	46.59	+	9 24	53.14	13	25	40.73	-	8 3	10.07	22	16	16.39	-	15 22	13.27
5	12	41	43.50	-	4 29	19.18	10	40	31.68	+	9 20	32.71	13	30	18.27	-	8 32	28.82	22	16	31.56	-	15 15	44.42
6	12	45	21.88	-	4 52	24.66	10	41	16.54	+	9 16	13.35	13	34	56.49	-	9 1	36.31	22	16	49.71	-	15 9	0.02
7	12	49	0.63	-	5 15	26.39	10	42	1.17	+	9 11	55.11	13	39	35.43	-	9 30	31.77	22	17	10.79	-	15 2	0.46
8	12	52	39.75	-	5 38	24.03	10	42	45.55	+	9 7	38.01	13	44	15.12	-	9 59	14.45	22	17	34.76	-	14 54	46.12
9	12	56	19.29	-	6 1	17.24	10	43	29.70	+	9 3	22.08	13	48	55.60	-	10 27	43.57	22	18	1.57	-	14 47	17.37
10	12	59	59.25	-	6 24	5.70	10	44	13.60	+	8 59	7.34	13	53	36.92	-	10 55	58.38	22	18	31.19	-	14 39	34.56
11	13	3	39.67	-	6 46	49.06	10	44	57.25	+	8 54	53.83	13	58	19.10	-	11 23	58.12	22	19	3.55	-	14 31	38.04
12	13	7	20.56	-	7 9	26.98	10	45	40.65	+	8 50	41.58	14	3	2.19	-	11 51	42.03	22	19	38.62	-	14 23	28.15
13	13	11	1.96	-	7 31	59.12	10	46	23.79	+	8 46	30.64	14	7	46.23	-	12 19	9.32	22	20	16.34	-	14 15	5.20
14	13	14	43.87	-	7 54	25.14	10	47	6.67	+	8 42	21.03	14	12	31.23	-	12 46	19.25	22	20	56.66	-	14 6	29.51
15	13	18	26.33	-	8 16	44.66	10	47	49.29	+	8 38	12.81	14	17	17.24	-	13 13	11.01	22	21	39.55	-	13 57	41.38
16	13	22	9.35	-	8 38	57.34	10	48	31.63	+	8 34	6.03	14	22	4.28	-	13 39	43.84	22	22	24.94	-	13 48	41.10
17	13	25	52.95	-	9 1	2.80	10	49	13.69	+	8 30	0.73	14	26	52.39	-	14 5	56.95	22	23	12.80	-	13 39	28.93
18	13	29	37.14	-	9 23	0.67	10	49	55.47	+	8 25	56.96	14	31	41.58	-	14 31	49.54	22	24	3.07	-	13 30	5.14
19	13	33	21.95	-	9 44	50.55	10	50	36.96	+	8 21	54.78	14	36	31.88	-	14 57	20.82	22	24	55.70	-	13 20	29.98
20	13	37	7.39	-	10 6	32.08	10	51	18.14	+	8 17	54.23	14	41	23.32	-	15 22	29.99	22	25	50.66	-	13 10	43.67
21	13	40	53.48	-	10 28	4.84	10	51	59.02	+	8 13	55.36	14	46	15.91	-	15 47	16.25	22	26	47.89	-	13 0	46.43
22	13	44	40.23	-	10 49	28.44	10	52	39.58	+	8 9	58.22	14	51	9.67	-	16 11	38.79	22	27	47.35	-	12 50	38.47
23	13	48	27.66	-	11 10	42.47	10	53	19.83	+	8 6	2.86	14	56	4.63	-	16 35	36.81	22	28	49.00	-	12 40	19.96
24	13	52	15.78	-	11 31	46.51	10	53	59.75	+	8 2	9.31	15	1	0.79	-	16 59	9.50	22	29	52.79	-	12 29	51.08
25	13	56	4.60	-	11 52	40.15	10	54	39.34	+	7 58	17.62	15	5	58.17	-	17 22	16.07	22	30	58.69	-	12 19	11.97
26	13	59	54.14	-	12 13	22.98	10	55	18.60	+	7 54	27.82	15	10	56.78	-	17 44	55.72	22	32	6.65	-	12 8	22.82
27	14	3																						

Table 1 : Positions of Solar System Objects

Date	Object-A					Object-B					Object-C					Object-D				
	R.A.			Decl.		R.A.			Decl.		R.A.			Decl.		R.A.			Decl.	
	h	m	s	°	'	h	m	s	°	'	h	m	s	°	'	h	m	s	°	'
Nov 1	14	23	6.83	- 14	13	10	59	6.79	+ 7	32	15	41	14.43	- 19	50	22	39	35.12	- 11	0
2	14	27	1.59	- 14	32	10	59	43.53	+ 7	28	15	46	21.66	- 20	9	22	40	56.14	- 10	48
3	14	30	57.13	- 14	51	11	0	19.88	+ 7	25	15	51	30.09	- 20	28	22	42	18.82	- 10	36
4	14	34	53.46	- 15	10	11	0	55.84	+ 7	21	15	56	39.72	- 20	46	22	43	43.10	- 10	24
5	14	38	50.59	- 15	29	11	1	31.40	+ 7	18	16	1	50.53	- 21	3	22	45	8.93	- 10	11
6	14	42	48.54	- 15	47	11	2	6.56	+ 7	14	16	7	2.50	- 21	20	22	46	36.27	- 9	59
7	14	46	47.31	- 16	5	11	2	41.32	+ 7	11	16	12	15.62	- 21	37	22	48	5.08	- 9	46
8	14	50	46.90	- 16	23	11	3	15.67	+ 7	7	16	17	29.86	- 21	52	22	49	35.30	- 9	34
9	14	54	47.34	- 16	40	11	3	49.60	+ 7	4	16	22	45.20	- 22	7	22	51	6.90	- 9	21
10	14	58	48.62	- 16	57	11	4	23.11	+ 7	1	16	28	1.62	- 22	22	22	52	39.85	- 9	8
11	15	2	50.76	- 17	14	11	4	56.20	+ 6	58	16	33	19.09	- 22	36	22	54	14.09	- 8	55
12	15	6	53.75	- 17	31	11	5	28.85	+ 6	54	16	38	37.56	- 22	49	22	55	49.60	- 8	42
13	15	10	57.61	- 17	47	11	6	1.06	+ 6	51	16	43	57.01	- 23	1	22	57	26.35	- 8	29
14	15	15	2.32	- 18	3	11	6	32.83	+ 6	48	16	49	17.39	- 23	13	22	59	4.29	- 8	15
15	15	19	7.89	- 18	19	11	7	4.14	+ 6	45	16	54	38.66	- 23	24	22	3	43.39	- 8	2
16	15	23	14.33	- 18	34	11	7	34.98	+ 6	42	17	0	0.79	- 23	34	22	3	23.63	- 7	48
17	15	27	21.62	- 18	49	11	8	5.35	+ 6	39	17	5	23.71	- 23	44	22	3	4.98	- 7	35
18	15	31	29.77	- 19	4	11	8	35.25	+ 6	36	17	10	47.38	- 23	53	22	3	5.47	- 7	21
19	15	35	38.76	- 19	18	11	9	4.66	+ 6	34	17	16	11.76	- 24	2	22	3	7.30	- 7	7
20	15	39	48.61	- 19	32	11	9	33.58	+ 6	31	17	21	36.78	- 24	9	22	3	15.43	- 6	53
21	15	43	59.28	- 19	46	11	10	1.99	+ 6	28	17	27	2.39	- 24	16	22	3	11.07	- 6	39
22	15	48	10.79	- 19	59	11	10	29.91	+ 6	25	17	32	28.54	- 24	22	22	3	12.47	- 6	25
23	15	52	23.11	- 20	12	11	10	57.32	+ 6	23	17	37	55.16	- 24	28	22	3	14.35	- 6	11
24	15	56	36.24	- 20	25	11	11	24.21	+ 6	20	17	43	22.19	- 24	32	22	3	16.23	- 5	57
25	16	0	50.15	- 20	37	11	11	50.57	+ 6	18	17	48	49.56	- 24	36	22	3	18.29	- 5	42
26	16	5	4.81	- 20	49	11	12	16.41	+ 6	15	17	54	17.21	- 24	39	22	3	20.32	- 5	28
27	16	9	20.22	- 21	0	11	12	41.71	+ 6	13	17	59	45.05	- 24	42	22	3	21.54	- 5	14
28	16	13	36.34	- 21	11	11	13	6.46	+ 6	11	18	5	13.01	- 24	44	22	3	23.46	- 4	59
29	16	17	53.16	- 21	22	11	13	30.65	+ 6	8	18	10	41.03	- 24	44	22	3	25.39	- 4	44
30	16	22	10.65	- 21	32	11	13	54.28	+ 6	6	18	16	9.02	- 24	45	22	3	27.33	- 4	30
Dec 1	16	26	28.79	- 21	42	11	14	17.35	+ 6	4	18	21	36.92	- 24	44	22	3	29.27	- 4	15
2	16	30	47.58	- 21	51	11	14	39.85	+ 6	2	18	27	4.67	- 24	43	22	3	31.22	- 4	0
3	16	35	6.98	- 22	0	11	15	1.77	+ 6	0	18	32	32.18	- 24	41	22	3	33.18	- 3	45
4	16	39	26.99	- 22	9	11	15	23.11	+ 5	58	18	37	59.40	- 24	38	22	3	35.21	- 3	30
5	16	43	47.57	- 22	17	11	15	43.86	+ 5	56	18	43	26.27	- 24	34	22	3	37.12	- 3	15
6	16	48	8.71	- 22	24	11	16	4.03	+ 5	54	18	48	52.70	- 24	30	22	3	39.10	- 3	0
7	16	52	30.39	- 22	32	11	16	23.61	+ 5	52	18	54	18.65	- 24	25	22	3	41.19	- 2	45
8	16	56	52.59	- 22	38	11	16	42.58	+ 5	50	18	59	44.04	- 24	19	22	3	43.84	- 2	30
9	17	1	15.27	- 22	45	11	17	0.95	+ 5	49	19	5	8.81	- 24	13	22	3	45.83	- 2	15
10	17	5	38.42	- 22	51	11	17	18.71	+ 5	47	19	10	32.91	- 24	5	22	3	47.89	- 2	0
11	17	10	2.00	- 22	56	11	17	35.85	+ 5	46	19	15	56.27	- 23	57	22	3	49.10	- 1	44
12	17	14	26.00	- 23	1	11	17	52.36	+ 5	44	19	21	18.84	- 23	49	22	3	51.11	- 1	29
13	17	18	50.38	- 23	6	11	18	8.24	+ 5	43	19	26	40.55	- 23	39	22	3	53.13	- 1	14
14	17	23	15.11	- 23	10	11	18	23.48	+ 5	42	19	32	1.37	- 23	29	22	3	55.16	- 0	58
15	17	27	40.18	- 23	13	11	18	38.07	+ 5	40	19	37	21.23	- 23	18	22	3	57.20	- 0	43
16	17	32	5.53	- 23	17	11	18	52.02	+ 5	39	19	42	40.09	- 23	7	22	3	59.24	- 0	27
17	17	36	31.16	- 23	19	11	19	5.30	+ 5	38	19	47	57.91	- 22	54	22	0	1.28	- 0	12
18	17	40	57.02	- 23	22	11	19	17.92	+ 5	37	19	53	14.64	- 22	41	22	0	3.46	+ 0	2
19	17	45	23.09	- 23	23	11	19	29.88	+ 5	36	19	58	30.25	- 22	28	22	0	5.89	+ 0	18
20	17	49	49.32	- 23	25	11	19	41.17	+ 5	35	20	3	44.69	- 22	14	22	0	7.97	+ 0	34
21	17	54	15.70	- 23	26	11	19	51.78	+ 5	34	20	8	57.94	- 21	59	22	0	9.51	+ 0	49
22	17	58	42.17	- 23	26	11	20	1.72	+ 5	33	20	14	9.95	- 21	43	22	0	11.56	+ 1	5
23	18	3	8.70	- 23	26	11	20	10.97	+ 5	33	20	19	20.70	- 21	27	22	0	14.62	+ 1	20
24	18	7	35.25	- 23	25	11	20	19.53	+ 5	32	20	24	30.15	- 21	10	22	0	16.18	+ 1	36
25	18	12	1.77	- 23	24	11	20	27.40	+ 5	32	20	29	38.26	- 20	53	22	0	18.22	+ 1	51
26	18	16	28.22	- 23	23	11	20	34.56	+ 5	31	20	34	45.02	- 20	35	22	0	20.76	+ 2	7
27	18	20	54.55	- 23	21	11	20	41.02	+ 5	31	20	39	50.38	- 20	17	22	0	22.26	+ 2	23
28	18	25	20.74	- 23	18	11	20	46.77	+ 5	30	20	44	54.33	- 19	57	22	0	24.21	+ 2	38
29	18	29	46.75	- 23	15	11	20	51.82	+ 5	30	20	49	56.86	- 19	38	22	0	27.16	+ 2	54
30	18	34	12.54	- 23	12	11	20	56.16	+ 5	30	20	54	57.95	- 19	18	22	0	29.26	+ 3	10
31	18	38	38.09	- 23	8	11	20	59.79	+ 5	30	20	59	57.59	- 18	57	22	0	31.23	+ 3	25