

INFORMATION ON HALLEY'S COMMET

Halley's comet is now coming back to us after the lapse of 76 years. The Hydrographic Department of Japan has been making information on the position of the comet available to the masses in Japan and actively engaged in replying to telephone and letter inquiries about the comet since its first approaching this time in November last year. The Department also published three issues of Halley's Comet Newsletters giving information on date, local standard time, altitude, azimuth and magnitude of the comet.

The attached tables are such information predicted for Jakarta, Seoul, Kuala Lumpur, Manila and Bangkok.

DJAKARTA							DJAKARTA							DJAKARTA							DJAKARTA													
DATE LST				Alt Az Mag			DATE LST				Alt Az Mag			DATE LST				Alt Az Mag			DATE LST				Alt Az Mag									
Y	M	D	H	Alt	Az	Mag	Y	M	D	H	Alt	Az	Mag	Y	M	D	H	Alt	Az	Mag	Y	M	D	H	Alt	Az	Mag	Y	M	D	H	Alt	Az	Mag
1986	3	10	4	17.1	109.0	4.5	1986	3	25	2	14.3	119.0	4.4	1986	4	6	23	17.8	137.0	3.9	1986	4	15	19	20.4	132.0	4.3	1986	4	24	19	53.1	126.0	5.3
1986	3	10	5	31.3	109	4.5	1986	3	25	3	27.3	121	4.3	1986	4	6	25	37.2	146	3.9	1986	4	15	21	41.5	142	4.3	1986	4	24	21	70.3	173	5.3
1986	3	11	4	18.6	109	4.5	1986	3	25	4	40.0	125	4.3	1986	4	6	27	49.1	170	3.9	1986	4	15	23	54.5	171	4.3	1986	4	24	23	57.2	231	5.4
1986	3	11	5	32.7	110	4.5	1986	3	25	5	51.7	133	4.3	1986	4	6	29	45.9	201	3.9	1986	4	15	25	49.4	207	4.3	1986	4	24	25	31.5	244	5.4
1986	3	12	4	20.0	110	4.5	1986	3	26	2	16.4	121	4.3	1986	4	7	23	22.2	139	3.9	1986	4	15	27	31.0	225	4.3	1986	4	25	19	55.8	126	5.5
1986	3	12	5	34.1	111	4.5	1986	3	26	3	29.2	122	4.3	1986	4	7	25	40.3	151	3.9	1986	4	15	29	8.3	230	4.3	1986	4	25	21	71.8	180	5.5
1986	3	13	4	21.5	110	4.5	1986	3	26	4	41.6	127	4.3	1986	4	7	27	49.1	177	3.9	1986	4	16	19	24.9	131	4.4	1986	4	25	23	55.8	235	5.5
1986	3	13	5	35.4	112	4.5	1986	3	26	5	52.9	136	4.3	1986	4	7	29	42.6	206	3.9	1986	4	16	21	45.9	144	4.4	1986	4	25	25	29.4	246	5.5
1986	3	14	3	8.9	111	4.5	1986	3	27	2	18.5	122	4.3	1986	4	8	23	26.7	141	3.9	1986	4	16	23	56.9	178	4.4	1986	4	26	19	58.3	125	5.6
1986	3	14	4	22.9	111	4.5	1986	3	27	3	31.1	124	4.3	1986	4	8	25	43.1	156	3.9	1986	4	16	25	48.1	214	4.4	1986	4	26	21	72.9	188	5.6
1986	3	14	5	36.8	113	4.5	1986	3	27	4	43.2	129	4.3	1986	4	8	27	48.5	185	3.9	1986	4	16	27	27.6	229	4.4	1986	4	26	23	54.4	238	5.6
1986	3	15	3	10.5	112	4.5	1986	3	27	5	54.0	140	4.3	1986	4	8	29	38.8	210	3.9	1986	4	17	19	29.2	130	4.5	1986	4	26	25	27.4	247	5.6
1986	3	15	4	24.4	112	4.5	1986	3	28	1	8.1	123	4.3	1986	4	9	21	11.5	137	4.0	1986	4	17	19	50.1	146	4.5	1986	4	27	19	60.7	125	5.7
1986	3	15	5	38.2	114	4.5	1986	3	28	3	33.1	126	4.3	1986	4	9	23	31.3	143	4.0	1986	4	17	23	58.6	185	4.5	1986	4	27	21	73.6	195	5.7
1986	3	16	3	12.0	112	4.5	1986	3	28	5	54.9	144	4.3	1986	4	9	25	45.7	162	4.0	1986	4	17	25	46.4	220	4.5	1986	4	27	23	52.9	241	5.7
1986	3	16	4	25.9	113	4.5	1986	3	29	1	10.5	124	4.2	1986	4	9	27	47.3	192	4.0	1986	4	17	27	24.3	232	4.5	1986	4	27	25	25.5	249	5.7
1986	3	16	5	39.6	115	4.5	1986	3	29	3	35.0	128	4.2	1986	4	9	29	34.8	214	4.0	1986	4	18	19	33.3	129	4.6	1986	4	28	19	62.9	125	5.8
1986	3	17	3	13.6	113	4.5	1986	3	29	5	55.6	149	4.2	1986	4	10	21	16.7	138	4.0	1986	4	18	21	53.9	148	4.6	1986	4	28	21	73.9	203	5.8
1986	3	17	4	27.4	113	4.5	1986	3	30	1	13.1	125	4.2	1986	4	10	23	35.8	146	4.0	1986	4	18	23	59.8	193	4.6	1986	4	28	23	51.4	244	5.8
1986	3	17	5	41.0	116	4.5	1986	3	30	3	37.0	131	4.2	1986	4	10	25	47.8	169	4.0	1986	4	18	25	44.4	225	4.6	1986	4	28	25	23.6	250	5.8
1986	3	18	3	15.2	114	4.5	1986	3	30	5	56.1	154	4.2	1986	4	10	27	45.5	199	4.0	1986	4	18	27	21.1	235	4.7	1986	4	29	19	65.0	125	5.9
1986	3	18	4	28.9	114	4.5	1986	3	31	1	15.8	127	4.1	1986	4	10	29	30.5	217	4.0	1986	4	19	19	37.1	128	4.7	1986	4	29	21	73.9	211	5.9
1986	3	18	5	42.4	118	4.5	1986	3	31	3	39.0	134	4.1	1986	4	11	21	21.8	138	4.0	1986	4	19	21	50.1	151	4.7	1986	4	29	23	49.9	246	5.9
1986	3	19	3	16.7	114	4.5	1986	3	31	5	56.3	159	4.1	1986	4	11	23	40.1	150	4.0	1986	4	19	23	60.4	200	4.8	1986	4	29	25	21.8	251	6.0
1986	3	19	4	30.3	115	4.5	1986	4	1	1	18.6	128	4.1	1986	4	11	25	49.4	177	4.0	1986	4	19	25	42.4	229	4.8	1986	4	30	19	67.0	126	6.0
1986	3	19	5	43.7	119	4.5	1986	4	1	3	41.0	137	4.1	1986	4	11	27	43.2	206	4.0	1986	4	19	27	18.0	237	4.8	1986	4	30	21	73.6	218	6.1
1986	3	20	3	18.5	115	4.5	1986	4	1	5	56.2	165	4.1	1986	4	12	21	27.0	139	4.1	1986	4	20	19	40.7	128	4.9	1986	4	30	23	48.4	248	6.1
1986	3	20	4	32.0	117	4.5	1986	4	2	1	21.5	130	4.1	1986	4	12	23	44.3	154	4.1	1986	4	20	21	60.7	154	4.9	1986	4	30	25	20.0	252	6.1
1986	3	20	5	45.2	121	4.5	1986	4	2	3	42.9	141	4.1	1986	4	12	25	50.4	184	4.1	1986	4	20	23	60.5	208	4.9	1986	4	20	25	40.2	233	4.9
1986	3	21	3	20.2	116	4.4	1986	4	2	5	55.7	171	4.1	1986	4	12	27	40.5	212	4.1	1986	4	20	25	40.2	233	4.9	1986	4	20	27	15.0	239	4.9
1986	3	21	4	33.6	118	4.4	1986	4	3	1	24.5	133	4.0	1986	4	12	29	21.6	223	4.1	1986	4	21	19	44.1	127	5.0	1986	4	21	19	44.1	127	5.0
1986	3	21	5	46.5	123	4.4	1986	4	3	3	44.7	146	4.0	1986	4	13	19	10.9	134	4.1	1986	4	21	21	63.7	158	5.0	1986	4	21	21	63.7	158	5.0
1986	3	22	3	21.9	117	4.4	1986	4	3	5	54.7	178	4.0	1986	4	13	21	32.0	140	4.1	1986	4	21	23	60.1	214	5.0	1986	4	21	23	60.1	214	5.0
1986	3	22	4	35.1	119	4.4	1986	4	3	1	25.5	132	4.0	1986	4	13	23	48.1	159	4.1	1986	4	21	25	38.0	236	5.0	1986	4	21	25	38.0	236	5.0
1986	3	22	5	47.9	125	4.4	1986	4	3	3	46.3	151	4.0	1986	4	13	25	50.7	192	4.2	1986	4	21	27	12.1	241	5.0	1986	4	21	27	12.1	241	5.0
1986	3	23	2	10.4	118	4.4	1986	4	3	5	53.3	184	4.0	1986	4	13	27	37.5	217	4.2	1986	4	22	19	47.3	127	5.1	1986	4	22	19	47.3	127	5.1
1986	3	23	3	23.7	118	4.4	1986	4	3	1	27.6	135	4.0	1986	4	13	29	17.1	226	4.2	1986	4	22	21	66.2	162	5.1	1986	4	22	21	66.2	162	5.1
1986	3	23	4	36.7	121	4.4	1986	4	3	3	46.3	151	4.0	1986	4	14	19	15.8	133	4.2	1986	4	22	23	59.4	221	5.1	1986	4	22	23	59.4	221	5.1
1986	3	23	5	49.2	127	4.4	1986	4	3	5	53.3	184	4.0	1986	4	14	21	36.8	141	4.2	1986	4	22	25	35.8	239	5.1	1986	4	22	25	35.8	239	5.1
1986	3	24	2	12.3	118	4.4	1986	4	3	1	27.6	135	4.0	1986	4	14	23	51.5	165	4.2	1986	4	22	27	9.4	242	5.1	1986	4	22	27	9.4	242	5.1
1986	3	24	3	25.5	119	4.4	1986	4	4	23	9.5	133	4.0	1986	4	14	25	50.3	200	4.2	1986	4	23	19	50.3	126	5.2	1986	4	23	19	50.3	126	5.2
1986	3	24	4	38.4	123	4.4	1986	4	4	25	30.8	138	4.0	1986	4	14	27	34.3	221	4.2	1986	4	23	21	68.5	167	5.2	1986	4	23	21	68.5	167	5.2
1986	3	24	5	50.5	130	4.4	1986	4	4	27	47.6	157	4.0	1986	4	14	29	12.7	228	4.2	1986	4	23	23	58.4	226	5.2	1986	4	23	23	58.4	226	5.2
1986	3	24	5	50.5	130	4.4	1986	4	4	29	51.3	190	4.0	1986	4	15	19	17.8	137.0	3.9	1986	4	23	25	33.6	242	5.2	1986	4	23	25	33.6	242</	

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DATE	LST	Alt	Az	Mag	DATE	LST	Alt	Az	Mag	DATE	LST	Alt	Az	Mag	DATE	LST	Alt	Az	Mag	DATE	LST	Alt	Az	Mag									
Y	M	D	H		Y	M	D	H		Y	M	D	H		Y	M	D	H		Y	M	D	H										
1986	3	10	6	13.6	129	4.5				1986	4	1	4	7.2	153	4.1				1986	4	15	23	9.6	167	4.3	1986	4	24	20	21.5	153	5.3
1986	3	11	6	14.2	130	4.5				1986	4	1	5	11.7	164	4.1				1986	4	15	24	11.2	178	4.3	1986	4	24	21	25.6	168	5.3
1986	3	12	6	14.7	132	4.5				1986	4	2	4	7.4	156	4.1				1986	4	15	25	10.4	190	4.3	1986	4	24	22	26.7	183	5.3
1986	3	13	6	15.3	133	4.5				1986	4	2	5	11.1	167	4.1				1986	4	15	26	7.2	201	4.3	1986	4	24	23	24.6	198	5.3
1986	3	14	6	15.7	135	4.5				1986	4	3	4	7.4	160	4.0				1986	4	16	22	9.0	159	4.4	1986	4	24	24	19.7	211	5.4
1986	3	15	5	7.2	125	4.5				1986	4	3	5	10.4	171	4.0				1986	4	16	23	12.3	171	4.4	1986	4	24	25	12.4	223	5.4
1986	3	15	6	16.2	136	4.5				1986	4	3	5	10.4	171	4.0				1986	4	16	24	13.1	183	4.4	1986	4	25	20	23.7	155	5.5
1986	3	16	5	7.8	127	4.5				1986	4	4	4	7.3	164	4.0				1986	4	16	25	11.3	195	4.4	1986	4	25	21	27.3	170	5.5
1986	3	16	6	16.6	138	4.5				1986	4	4	5	9.5	175	4.0				1986	4	16	26	7.2	206	4.4	1986	4	25	22	27.9	185	5.5
1986	3	17	5	8.4	129	4.5				1986	4	4	5	9.5	175	4.0				1986	4	17	21	7.3	151	4.5	1986	4	25	23	25.2	200	5.5
1986	3	17	6	17.0	140	4.5				1986	4	5	4	7.1	168	4.0				1986	4	17	22	12.1	162	4.5	1986	4	25	24	19.8	214	5.5
1986	3	18	5	9.0	130	4.5				1986	4	5	5	8.5	179	4.0				1986	4	17	23	14.7	174	4.5	1986	4	25	25	12.1	226	5.5
1986	3	18	6	17.3	141	4.5				1986	4	6	4	6.7	172	4.0				1986	4	17	24	14.6	187	4.5	1986	4	26	20	25.6	157	5.6
1986	3	19	5	9.4	132	4.5				1986	4	6	5	7.2	183	4.0				1986	4	17	25	12.0	199	4.5	1986	4	26	21	28.9	172	5.6
1986	3	19	6	17.5	143	4.5				1986	4	7	4	6.2	177	3.9				1986	4	18	21	10.7	154	4.6	1986	4	26	22	28.9	188	5.6
1986	3	20	5	10.0	134	4.5				1986	4	7	5	5.7	187	3.9				1986	4	18	22	15.0	165	4.6	1986	4	26	23	25.7	203	5.6
1986	3	20	6	17.8	145	4.5				1986	4	7	5	5.7	187	3.9				1986	4	18	23	16.8	178	4.6	1986	4	26	24	19.8	217	5.6
1986	3	21	5	10.5	136	4.4				1986	4	8	3	4.7	171	3.9				1986	4	18	24	15.9	191	4.6	1986	4	26	25	11.7	229	5.6
1986	3	21	6	18.0	147	4.4				1986	4	8	4	5.5	182	3.9				1986	4	18	25	12.5	203	4.6	1986	4	27	20	27.4	159	5.7
1986	3	22	5	11.0	138	4.4				1986	4	8	5	4.0	192	3.9				1986	4	19	21	13.8	156	4.7	1986	4	27	21	30.2	174	5.7
1986	3	22	6	18.1	149	4.4				1986	4	9	3	4.9	176	3.9				1986	4	19	22	17.5	168	4.7	1986	4	27	22	29.8	190	5.7
1986	3	23	5	11.4	140	4.4				1986	4	9	4	4.6	187	3.9				1986	4	19	23	18.7	182	4.7	1986	4	27	23	26.1	206	5.7
1986	3	23	6	18.1	151	4.4				1986	4	9	5	2.1	197	3.9				1986	4	19	24	17.0	195	4.7	1986	4	27	24	19.7	219	5.7
1986	3	24	5	11.7	142	4.4				1986	4	10	2	4.1	171	4.0				1986	4	19	25	12.8	207	4.8	1986	4	27	25	11.2	231	5.7
1986	3	24	6	18.1	154	4.4				1986	4	10	3	4.9	181	4.0				1986	4	20	20	11.0	146	4.8	1986	4	28	20	29.0	160	5.8
1986	3	25	5	12.0	144	4.3				1986	4	10	4	3.5	192	4.0				1986	4	20	21	16.6	158	4.9	1986	4	28	21	31.5	177	5.8
1986	3	25	6	18.0	156	4.3				1986	4	11	2	5.0	176	4.0				1986	4	20	22	19.8	171	4.9	1986	4	28	22	30.5	193	5.8
1986	3	26	4	4.7	136	4.3				1986	4	11	3	4.7	186	4.0				1986	4	20	23	20.3	185	4.9	1986	4	28	23	26.3	208	5.8
1986	3	26	5	12.2	146	4.3				1986	4	11	4	2.3	197	4.0				1986	4	20	24	17.9	198	4.9	1986	4	28	24	19.5	222	5.8
1986	3	27	4	5.3	138	4.3				1986	4	12	1	4.9	171	4.0				1986	4	20	25	13.0	211	4.9	1986	4	28	25	10.7	233	5.8
1986	3	27	5	12.4	149	4.3				1986	4	12	2	5.8	181	4.0				1986	4	21	20	13.9	148	5.0	1986	4	29	20	30.5	162	5.9
1986	3	28	4	5.8	141	4.3				1986	4	12	3	4.4	192	4.0				1986	4	21	21	19.2	161	5.0	1986	4	29	21	32.5	179	5.9
1986	3	28	5	12.5	152	4.3				1986	4	13	0	4.5	165	4.1				1986	4	21	22	21.9	174	5.0	1986	4	29	22	31.1	195	5.9
1986	3	29	4	6.3	143	4.2				1986	4	13	1	6.5	176	4.1				1986	4	21	23	21.7	188	5.0	1986	4	29	23	26.5	211	5.9
1986	3	29	5	12.4	154	4.2				1986	4	13	2	6.4	186	4.1				1986	4	21	24	18.6	202	5.0	1986	4	29	24	19.3	224	5.9
1986	3	30	4	6.7	146	4.2				1986	4	13	3	3.6	159	4.1				1986	4	21	25	13.0	214	5.0	1986	4	29	25	10.2	235	5.9
1986	3	30	5	12.3	157	4.2				1986	4	14	23	6.7	163	4.2				1986	4	22	20	16.7	150	5.1	1986	4	30	20	31.9	164	6.0
1986	3	31	4	7.0	149	4.1				1986	4	14	24	9.2	174	4.2				1986	4	22	21	21.6	163	5.1	1986	4	30	21	33.5	181	6.0
1986	3	31	5	12.1	160	4.1				1986	4	14	25	9.3	185	4.2				1986	4	22	22	23.7	177	5.1	1986	4	30	22	31.6	198	6.0
										1986	4	14	26	7.1	196	4.2				1986	4	22	23	22.8	192	5.1	1986	4	30	23	26.5	213	6.1
										1986	4	14	26	7.1	196	4.2				1986	4	22	24	19.1	205	5.1	1986	4	30	24	19.0	226	6.1
										1986	4	14	26	7.1	196	4.2				1986	4	22	25	12.9	217	5.1	1986	4	30	25	9.6	237	6.1
										1986	4	14	26	7.1	196	4.2				1986	4	23	20	19.2	152	5.2							
										1986	4	14	26	7.1	196	4.2				1986	4	23	21	23.7	165	5.2							
										1986	4	14	26	7.1	196	4.2				1986	4	23	22	25.3	180	5.2							
										1986	4	14	26	7.1	196	4.2				1986	4	23	23	23.8	195	5.2							
										1986	4	14	26	7.1	196	4.2				1986	4	23	24	19.5	208	5.2							
										1986	4	14	26	7.1	196	4.2				1986	4	23	25	12.7	221	5.2							

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DATE LST				Alt	Az	Mag	DATE LST				Alt	Az	Mag	DATE LST				Alt	Az	Mag	DATE LST				Alt	Az	Mag							
Y	M	D	H				Y	M	D	H				Y	M	D	H				Y	M	D	H				Y	M	D	H			
1986	3	10	4	8.8	113	4.5	1986	3	27	3	17.6	131	4.3	1986	4	8	23	9.5	145	3.9	1986	4	19	19	22.1	137	4.7	1986	4	29	19	49.0	147	5.9
1986	3	10	5	21.9	119	4.5	1986	3	27	4	27.9	140	4.3	1986	4	8	25	23.4	160	3.9	1986	4	19	21	38.1	159	4.7	1986	4	29	21	54.6	193	5.9
1986	3	11	4	10.0	114	4.5	1986	3	27	5	36.2	151	4.3	1986	4	8	27	27.8	183	3.9	1986	4	19	23	40.5	192	4.7	1986	4	29	23	39.2	228	5.9
1986	3	11	5	23.0	120	4.5	1986	3	28	3	18.9	134	4.3	1986	4	8	29	20.7	204	3.9	1986	4	19	25	27.8	218	4.8	1986	4	29	25	14.7	245	6.0
1986	3	12	4	11.2	115	4.5	1986	3	28	4	28.7	142	4.3	1986	4	9	23	13.4	148	4.0	1986	4	20	19	25.7	138	4.8	1986	4	30	19	50.8	149	6.0
1986	3	12	5	24.0	121	4.5	1986	3	28	5	36.4	154	4.3	1986	4	9	25	25.4	166	4.0	1986	4	20	21	40.9	162	4.9	1986	4	30	21	55.1	196	6.0
1986	3	13	4	12.4	116	4.5	1986	3	29	3	20.3	136	4.2	1986	4	9	27	27.0	188	4.0	1986	4	20	23	41.3	197	4.9	1986	4	30	23	38.4	231	6.1
1986	3	13	5	25.1	122	4.5	1986	3	29	4	29.6	145	4.2	1986	4	9	29	17.4	208	4.0	1986	4	20	25	26.6	222	4.9	1986	4	30	25	13.4	246	6.1
1986	3	13	5	25.1	122	4.5	1986	3	29	5	36.6	158	4.2	1986	4	10	23	17.3	151	4.0	1986	4	21	19	29.1	138	5.0	1986	4	21	19	29.1	138	5.0
1986	3	14	4	13.5	117	4.5	1986	3	30	2	11.3	132	4.2	1986	4	10	25	27.1	171	4.0	1986	4	21	21	43.5	165	5.0	1986	4	21	21	43.5	165	5.0
1986	3	14	5	26.1	124	4.5	1986	3	30	3	21.6	139	4.2	1986	4	10	27	25.8	194	4.0	1986	4	21	23	41.8	201	5.0	1986	4	21	23	41.8	201	5.0
1986	3	14	5	26.1	124	4.5	1986	3	30	4	30.3	149	4.2	1986	4	10	29	13.9	212	4.0	1986	4	21	25	25.4	226	5.0	1986	4	21	25	25.4	226	5.0
1986	3	15	4	14.7	118	4.5	1986	3	30	5	36.5	161	4.2	1986	4	11	23	21.0	155	4.0	1986	4	22	19	32.3	139	5.1	1986	4	22	19	32.3	139	5.1
1986	3	15	5	27.1	125	4.5	1986	3	31	2	13.1	134	4.1	1986	4	11	25	28.5	177	4.0	1986	4	22	21	45.7	169	5.1	1986	4	22	21	45.7	169	5.1
1986	3	16	4	15.9	120	4.5	1986	3	31	3	22.9	142	4.1	1986	4	11	27	24.3	200	4.0	1986	4	22	23	42.1	205	5.1	1986	4	22	23	42.1	205	5.1
1986	3	16	5	28.1	127	4.5	1986	3	31	4	30.9	152	4.1	1986	4	11	29	10.3	216	4.0	1986	4	22	25	24.1	229	5.1	1986	4	22	25	24.1	229	5.1
1986	3	16	5	28.1	127	4.5	1986	3	31	5	36.2	165	4.1	1986	4	12	21	10.0	143	4.1	1986	4	23	19	35.2	140	5.2	1986	4	23	19	35.2	140	5.2
1986	3	17	4	17.0	121	4.5	1986	4	1	2	14.9	137	4.1	1986	4	12	23	24.6	159	4.1	1986	4	23	21	47.7	172	5.2	1986	4	23	21	47.7	172	5.2
1986	3	17	5	29.0	128	4.5	1986	4	1	3	24.1	145	4.1	1986	4	12	25	29.6	182	4.1	1986	4	23	23	42.1	209	5.2	1986	4	23	23	42.1	209	5.2
1986	3	18	4	18.2	122	4.5	1986	4	1	4	31.3	156	4.1	1986	4	12	27	22.5	205	4.1	1986	4	23	25	22.8	232	5.2	1986	4	23	25	22.8	232	5.2
1986	3	18	5	30.0	130	4.5	1986	4	1	5	35.7	169	4.1	1986	4	13	21	14.7	145	4.1	1986	4	24	19	37.9	141	5.3	1986	4	24	19	37.9	141	5.3
1986	3	19	4	19.2	124	4.5	1986	4	2	2	16.7	140	4.1	1986	4	13	23	27.9	163	4.1	1986	4	24	21	49.4	175	5.3	1986	4	24	21	49.4	175	5.3
1986	3	19	5	30.8	132	4.5	1986	4	2	3	25.2	149	4.1	1986	4	13	25	30.3	188	4.2	1986	4	24	23	41.9	213	5.4	1986	4	24	23	41.9	213	5.4
1986	3	20	3	8.1	119	4.5	1986	4	2	4	31.6	160	4.1	1986	4	13	27	20.5	210	4.2	1986	4	24	25	21.4	234	5.4	1986	4	24	25	21.4	234	5.4
1986	3	20	4	20.4	125	4.5	1986	4	2	5	35.0	173	4.1	1986	4	14	21	19.3	147	4.2	1986	4	25	19	40.5	142	5.5	1986	4	25	19	40.5	142	5.5
1986	3	20	5	31.7	134	4.5	1986	4	3	2	18.5	144	4.0	1986	4	14	23	31.0	168	4.2	1986	4	25	21	50.9	179	5.5	1986	4	25	21	50.9	179	5.5
1986	3	21	3	9.4	121	4.4	1986	4	3	3	26.2	153	4.0	1986	4	14	25	30.6	194	4.2	1986	4	25	23	41.6	217	5.5	1986	4	25	23	41.6	217	5.5
1986	3	21	4	21.6	127	4.4	1986	4	3	4	31.6	164	4.0	1986	4	14	27	18.3	214	4.2	1986	4	25	25	20.1	237	5.5	1986	4	25	25	20.1	237	5.5
1986	3	21	5	32.6	136	4.4	1986	4	3	5	33.9	177	4.0	1986	4	15	21	23.6	149	4.3	1986	4	26	19	42.8	143	5.6	1986	4	26	19	42.8	143	5.6
1986	3	22	3	10.8	122	4.4	1986	4	4	1	11.5	140	4.0	1986	4	15	23	33.6	173	4.3	1986	4	26	21	52.1	182	5.6	1986	4	26	21	52.1	182	5.6
1986	3	22	4	22.7	129	4.4	1986	4	4	3	27.1	157	4.0	1986	4	15	25	30.6	199	4.3	1986	4	26	23	41.1	220	5.6	1986	4	26	23	41.1	220	5.6
1986	3	22	5	33.4	138	4.4	1986	4	4	5	32.5	182	4.0	1986	4	15	27	16.0	219	4.3	1986	4	26	25	18.7	239	5.6	1986	4	26	25	18.7	239	5.6
1986	3	23	3	12.1	124	4.4	1986	4	5	1	14.0	143	4.0	1986	4	16	19	9.8	136	4.4	1986	4	27	19	45.0	144	5.7	1986	4	27	19	45.0	144	5.7
1986	3	23	4	23.8	130	4.4	1986	4	5	3	27.8	162	4.0	1986	4	16	21	27.6	152	4.4	1986	4	27	21	53.2	186	5.7	1986	4	27	21	53.2	186	5.7
1986	3	23	5	34.1	140	4.4	1986	4	5	5	30.9	186	4.0	1986	4	16	23	35.9	177	4.4	1986	4	27	23	40.6	223	5.7	1986	4	27	23	40.6	223	5.7
1986	3	24	3	13.5	125	4.4	1986	4	6	1	16.4	147	4.0	1986	4	16	25	30.2	205	4.4	1986	4	28	19	47.1	146	5.8	1986	4	27	25	17.3	241	5.7
1986	3	24	4	24.9	132	4.4	1986	4	6	3	28.2	167	4.0	1986	4	16	27	13.7	223	4.4	1986	4	28	21	54.0	189	5.8	1986	4	28	19	47.1	146	5.8
1986	3	24	5	34.7	143	4.4	1986	4	6	5	28.8	191	4.0	1986	4	17	19	14.1	136	4.5	1986	4	28	23	39.9	226	5.8	1986	4	28	21	54.0	189	5.8
1986	3	25	3	14.9	127	4.4	1986	4	7	1	18.8	151	3.9	1986	4	17	21	31.4	154	4.5	1986	4	28	25	16.0	243	5.8	1986	4	28	23	39.9	226	5.8
1986	3	25	4	25.9	135	4.3	1986	4	7	3	28.4	172	3.9	1986	4	17	23	37.8	182	4.5	1986	4	28	25	16.0	243	5.8	1986	4	28	25	16.0	243	5.8
1986	3	25	5	35.3	145	4.3	1986	4	7	5	26.4	195	3.9	1986	4	17	25	29.6	210	4.5	1986	4	28	27	17.3	241	5.7	1986	4	28	25	16.0	243	5.8
1986	3	26	3	16.2	129	4.3	1986	4	8	1	21.2	156	3.9	1986	4	17	27	11.3	226	4.5	1986	4	28	29	17.3	241	5.7	1986	4	28	27	17.3	241	5.7
1986	3	26	4	26.9	137	4.3	1986	4	8	3	28.3	177	3.9	1986	4	18	19	18.2	136	4.6	1986	4	29	19	42.8	143	5.6	1986	4	28	29	17.3	241	5.7
1986	3	26	5	35.8	148	4.3	1986	4	8	5	23.7	200	3.9	1986	4	18	21	34.9	157	4.6	1986	4	29	21	53.2	186	5.7	1986	4	28	29	17.3	241	5.7
1986																																		

