本初子午線正中時

星名	δ Andr		α Cass		β Ceti		η Phoe	
等級	3.49		2.1-2.6		2.24		4.53	
スペクトル型	K2		K0		K0		A0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 0 36	°′ +30 34	h m 0 37	°′ +56 14	h m 0 40	°′ −18 15	h m 0 40	°′ −57 44
1 0.8	s 31.427 143	″ 41.20 63	s 31.131 287	″ 81.22 31	s 58.188 118	″ 89.85 46	s 61.393 298	″ 74.46 29
10.7	31.284 144	40.57 90	30.844 287	80.91 81	58.070 116	90.31 22	61.095 287	74.17 83
20.7	31.140 138	39.67 114	30.557 276	80.10 128	57.954 110	90.53 6	60.808 267	73.34 136
30.7	31.002 125	38.53 134	30.281 252	78.82 170	57.844 98	90.47 32	60.541 238	71.98 186
2 9.6	30.877 105	37.19 147	30.029 215	77.12 205	57.746 83	90.15 59	60.303 202	70.12 229
19.6	30.772 77	35.72 153	29.814 167	75.07 230	57.663 59	89.56 86	60.101 157	67.83 267
29.6	30.695 43	34.19 152	29.647 109	72.77 245	57.604 33	88.70 112	59.944 105	65.16 300
3 10.6	30.652 2	32.67 143	29.538 41	70.32 250	57.571 2	87.58 139	59.839 48	62.16 326
20.5	30.650 44	31.24 126	29.497 32	67.82 243	57.573 38	86.19 163	59.791 74	58.90 344
30.5	30.694 92	29.98 104	29.529 108	65.39 227	57.611 80	84.56 185	59.805 80	55.46 357
4 9.5	30.786 142	28.94 75	29.637 184	63.12 200	57.691 121	82.71 206	59.885 148	51.89 360
19.5	30.928 190	28.19 42	29.821 256	61.12 166	57.812 165	80.65 221	60.033 214	48.29 356
29.4	31.118 235	27.77 5	30.077 322	59.46 126	57.977 205	78.44 235	60.247 280	44.73 346
5 9.4	31.353 275	27.72 32	30.399 379	58.20 80	58.182 242	76.09 242	60.527 339	41.27 328
19.4	31.628 308	28.04 70	30.778 426	57.40 32	58.424 275	73.67 244	60.866 393	37.99 301
29.3	31.936 332	28.74 107	31.204 460	57.08 19	58.699 301	71.23 242	61.259 436	34.98 269
6 8.3	32.268 350	29.81 140	31.664 482	57.27 68	59.000 320	68.81 232	61.695 471	32.29 230
18.3	32.618 356	31.21 171	32.146 491	57.95 116	59.320 329	66.49 217	62.166 493	29.99 186
28.3	32.974 355	32.92 197	32.637 488	59.11 160	59.649 333	64.32 197	62.659 501	28.13 136
7 8.2	33.329 344	34.89 218	33.125 472	60.71 202	59.982 326	62.35 172	63.160 498	26.77 84
18.2	33.673 325	37.07 234	33.597 445	62.73 238	60.308 312	60.63 143	63.658 481	25.93 30
28.2	33.998 301	39.41 244	34.042 409	65.11 269	60.620 291	59.20 110	64.139 450	25.63 25
8 7.2	34.299 269	41.85 249	34.451 367	67.80 293	60.911 264	58.10 75	64.589 409	25.88 78
17.1	34.568 235	44.34 248	34.818 316	70.73 312	61.175 230	57.35 40	64.998 356	26.64 127
27.1	34.803 196	46.82 244	35.134 262	73.85 324	61.405 194	56.95 5	65.354 294	27.93 174
9 6.1	34.999 157	49.26 235	35.396 206	77.09 331	61.599 156	56.90 39	65.648 227	29.67 212
16.0	35.156 117	51.61 220	35.602 148	80.40 329	61.755 117	57.19 59	65.875 155	31.79 241
26.0	35.273 79	53.81 204	35.750 91	83.69 323	61.872 78	57.78 84	66.030 82	34.20 263
10 5.9	35.352 43	55.85 184	35.841 34	86.92 309	61.950 43	58.62 105	66.112 10	36.83 272
15.9	35.395 9	57.69 162	35.875 20	90.01 290	61.993 9	59.67 120	66.122 57	39.55 272
25.9	35.404 23	59.31 136	35.855 71	92.91 263	62.002 22	60.87 127	66.065 121	42.27 258
11 4.9	35.381 50	60.67 110	35.784 119	95.54 232	61.980 46	62.14 129	65.944 175	44.85 236
14.9	35.331 74	61.77 81	35.665 163	97.86 194	61.934 69	63.43 125	65.769 220	47.21 202
24.9	35.257 96	62.58 50	35.502 202	99.80 152	61.865 85	64.68 115	65.549 256	49.23 161
12 4.8	35.161 114	63.08 19	35.300 233	101.32 105	61.780 100	65.83 100	65.293 281	50.84 112
14.8	35.047 127	63.27 12	35.067 260	102.37 54	61.680 109	66.83 81	65.012 296	51.96 61
24.8	34.920 137	63.15 43	34.807 271	102.91 3	61.571 114	67.64 60	64.716 301	52.57 5
34.7	34.783	62.72	34.530	102.94	61.457	68.24	64.415	52.62
平位	s 32.434	″ 36.14	s 32.484	″ 69.14	s 58.795	″ 78.12	s 61.452	″ 52.41
Sec&Tan δ	+1.162	+0.591	+1.800	+1.497	+1.053	−0.330	+1.874	−1.585
2回正中	9月30日		9月30日		10月 1日		10月 1日	
a b	+0.1596	+0.0389	+0.1696	+0.0985	+0.1494	−0.0217	+0.1345	−0.1040
a′ b	+0.9873	−0.1588	+0.9866	−0.1631	+0.9841	−0.1779	+0.9840	−0.1781
FK3番号	20		21		22		23	

本初子午線正中時

星名	χ² Scul		o Cass		21 Cass		ζ Andr	
等級	5.97		4.70		5.59		4.30	
スペクトル型	K0		B2		A2		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 0 41	°′ −38 42	h m 0 41	°′ +47 59	h m 0 42	°′ +74 42	h m 0 44	°′ +23 58
1 0.8	s 41.001 168	″ 45.91 13	s 47.790 218	″ 70.81 39	s 8.37 74	″ 30.62 12	s 33.702 129	″ 67.94 61
10.7	40.833 163	46.04 30	47.572 220	70.42 82	7.63 73	30.74 49	33.573 130	67.33 82
20.7	40.670 153	45.74 73	47.352 213	69.60 124	6.90 70	30.25 109	33.443 127	66.51 100
30.7	40.517 137	45.01 113	47.139 195	68.36 158	6.20 64	29.16 163	33.316 117	65.51 112
2 9.6	40.380 115	43.88 153	46.944 168	66.78 188	5.56 56	27.53 210	33.199 100	64.39 121
19.6	40.265 86	42.35 188	46.776 130	64.90 207	5.00 45	25.43 247	33.099 75	63.18 122
29.6	40.179 53	40.47 219	46.646 83	62.83 219	4.55 33	22.96 275	33.024 44	61.96 118
3 10.6	40.126 13	38.28 248	46.563 29	60.64 219	4.22 17	20.21 290	32.980 6	60.78 107
20.5	40.113 31	35.80 270	46.534 31	58.45 210	4.05 2	17.31 293	32.974 36	59.71 90
30.5	40.144 78	33.10 289	46.565 95	56.35 193	4.03 14	14.38 284	33.010 81	58.81 67
4 9.5	40.222 127	30.21 300	46.660 157	54.42 166	4.17 30	11.54 263	33.091 128	58.14 40
19.5	40.349 176	27.21 307	46.817 220	52.76 131	4.47 44	8.91 233	33.219 174	57.74 8
29.4	40.525 223	24.14 308	47.037 276	51.45 93	4.91 57	6.58 195	33.393 218	57.66 25
5 9.4	40.748 267	21.06 300	47.313 325	50.52 50	5.48 69	4.63 149	33.611 257	57.91 59
19.4	41.015 305	18.06 288	47.638 367	50.02 4	6.17 78	3.14 98	33.868 290	58.50 92
29.3	41.320 337	15.18 268	48.005 397	49.98 43	6.95 85	2.16 45	34.158 315	59.42 124
6 8.3	41.657 361	12.50 241	48.402 418	50.41 87	7.80 89	1.71 10	34.473 333	60.66 153
18.3	42.018 375	10.09 210	48.820 427	51.28 130	8.69 91	1.81 65	34.806 341	62.19 177
28.3	42.393 379	7.99 172	49.247 425	52.58 171	9.60 90	2.46 118	35.147 341	63.96 198
7 8.2	42.772 375	6.27 131	49.672 413	54.29 206	10.50 88	3.64 168	35.488 333	65.94 213
18.2	43.147 360	4.96 86	50.085 391	56.35 236	11.38 83	5.32 215	35.821 317	68.07 223
28.2	43.507 337	4.10 40	50.476 361	58.71 261	12.21 77	7.47 257	36.138 294	70.30 228
8 7.2	43.844 305	3.70 7	50.837 325	61.32 281	12.98 68	10.04 292	36.432 266	72.58 228
17.1	44.149 267	3.77 53	51.162 283	64.13 294	13.66 59	12.96 323	36.698 233	74.86 223
27.1	44.416 224	4.30 95	51.445 237	67.07 302	14.25 49	16.19 346	36.931 197	77.09 214
9 6.1	44.640 177	5.25 133	51.682 189	70.09 303	14.74 38	19.65 363	37.128 161	79.23 201
16.0	44.817 128	6.58 166	51.871 141	73.12 299	15.12 25	23.28 372	37.289 123	81.24 185
26.0	44.945 80	8.24 190	52.012 92	76.11 289	15.37 14	27.00 374	37.412 86	83.09 167
10 5.9	45.025 33	10.14 206	52.104 46	79.00 274	15.51 2	30.74 368	37.498 52	84.76 146
15.9	45.058 10	12.20 213	52.150 2	81.74 254	15.53 10	34.42 355	37.550 20	86.22 125
25.9	45.048 50	14.33 211	52.152 40	84.28 228	15.43 22	37.97 332	37.570 70	87.47 101
11 4.9	44.998 83	16.44 199	52.112 79	86.56 198	15.21 33	41.29 303	37.560 36	88.48 78
14.9	44.915 112	18.43 179	52.033 114	88.54 162	14.88 43	44.32 265	37.524 59	89.26 53
24.9	44.803 134	20.22 152	51.919 146	90.16 124	14.45 53	46.97 220	37.465 81	89.79 28
12 4.8	44.669 151	21.74 119	51.773 172	91.40 81	13.92 61	49.17 169	37.384 97	90.07 2
14.8	44.518 162	22.93 80	51.601 194	92.21 37	13.31 67	50.86 111	37.287 112	90.09 22
24.8	44.356 166	23.73 39	51.407 208	92.58 10	12.64 71	51.97 52	37.175 122	89.87 47
34.7	44.190	24.12	51.199	92.48	11.93	52.49	37.053	89.40
平位	s 47.399	″ 28.06	s 48.961	″ 60.58	s 10.467	″ 15.33	s 34.602	″ 64.83
Sec&Tan δ	+1.281	−0.801	+1.494	+1.111	+3.791	+3.657	+1.094	+0.445
2回正中	10月 1日		10月 1日		10月 1日		10月 2日	
a b	+0.1437	−0.0525	+0.1668	+0.0728	+0.1979	+0.2397	+0.1591	+0.0291
a′ b′	+0.9835	−0.1809	+0.9834	−0.1815	+0.9831	−0.1830	+0.9811	−0.1933
FK3番号	26		25		24		27	

本初子午線正中時

星名	δ Pisc		λ Hydi		φ² Ceti		Br.82 Cass	
等級 スペクトル型	4.55	K5	4.96	K5	5.24	F5	5.45	F2,A2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 0 45	° ′ + 7 18	h m 0 46	° ′ −75 11	h m 0 47	° ′ −10 55	h m 0 47	° ′ +63 57
1 0.8	s 58.117	″ 6.10	s 48.68	″ 106.51	s 30.650	″ 35.32	s 31.53	″ 67.52
10.7	58.008 109	5.46 64	47.92 76	105.88 63	30.538 112	35.88 56	31.14 39	67.48 4
20.7	57.898 110	4.78 68	47.20 72	104.64 124	30.426 112	36.28 40	30.74 40	66.89 59
30.7	57.791 107	4.12 66	46.52 68	102.84 180	30.318 108	36.47 19	30.36 38	65.76 113
2 9.7	57.693 98	3.49 63	45.91 61	100.52 232	30.219 99	36.46 7	30.00 36	64.15 161
19.6	57.610 83	2.92 57	45.38 53	97.74 278	30.135 84	36.23 23	29.69 31	62.13 202
29.6	57.548 62	2.47 45	44.96 42	94.59 315	30.072 63	35.77 46	29.45 24	59.79 234
	35	32	32	346	37	70	18	257
3 10.6	57.513	2.15	44.64	91.13	30.035	35.07	29.27	57.22
20.6	57.511 2	2.03 12	44.45 19	87.45 368	30.031 4	34.12 95	29.18 9	54.55 267
30.5	57.547 36	2.12 9	44.38 7	83.62 383	30.063 32	32.94 118	29.19 1	51.88 267
	76	33	7	388	72	143	9	255
4 9.5	57.623	2.45	44.45	79.74	30.135	31.51	29.28	49.33
19.5	57.743 120	3.04 59	44.65 20	75.88 386	30.249 114	29.86 165	29.48 20	47.00 233
29.4	57.905 162	3.90 86	44.98 33	72.13 375	30.405 156	28.02 184	29.77 29	44.98 202
	203	112	46	358	197	202	37	163
5 9.4	58.108	5.02	45.44	68.55	30.602	26.00	30.14	43.35
19.4	58.347 239	6.39 137	46.01 57	65.24 331	30.836 234	23.85 215	30.58 44	42.17 118
29.4	58.617 270	7.98 159	46.69 68	62.27 297	31.102 266	21.61 224	31.08 50	41.47 70
	296	178	78	258	291	226	55	18
6 8.3	58.913	9.76	47.47	59.69	31.393	19.35	31.63	41.29
18.3	59.225 312	11.68 192	48.31 84	57.58 211	31.704 311	17.10 225	32.21 58	41.63 34
28.3	59.547 322	13.70 202	49.21 90	55.97 161	32.026 322	14.93 217	32.80 59	42.48 85
	324	206	92	106	324	203	59	134
7 8.2	59.871	15.76	50.13	54.91	32.350	12.90	33.39	43.82
18.2	60.187 316	17.82 206	51.05 92	54.43 48	32.669 319	11.04 186	33.97 58	45.62 180
28.2	60.489 302	19.82 200	51.95 90	54.53 10	32.974 305	9.42 162	34.52 55	47.83 221
	282	189	85	68	286	136	50	259
8 7.2	60.771	21.71	52.80	55.21	33.260	8.06	35.02	50.42
17.1	61.026 255	23.46 175	53.58 78	56.43 122	33.519 259	7.00 106	35.48 46	53.30 288
27.1	61.250 224	25.02 156	54.25 67	58.17 174	33.748 229	6.25 75	35.88 40	56.44 314
	191	137	56	219	194	43	33	332
9 6.1	61.441	26.39	54.81	60.36	33.942	5.82	36.21	59.76
16.1	61.596 155	27.52 113	55.23 42	62.91 255	34.100 158	5.69 13	36.48 27	63.20 344
26.0	61.716 120	28.43 91	55.51 28	65.74 283	34.220 120	5.86 17	36.68 20	66.69 349
	85	68	11	299	85	43	12	347
10 5.9	61.801	29.11	55.62	68.73	34.305	6.29	36.80	70.16
15.9	61.854 53	29.57 46	55.58 4	71.77 304	34.355 50	6.94 65	36.85 5	73.54 338
25.9	61.876 22	29.82 25	55.39 19	74.74 297	34.373 18	7.75 81	36.83 2	76.76 322
	5	7	33	277	10	94	9	299
11 4.9	61.871	29.89	55.06	77.51	34.363	8.69	36.74	79.75
14.9	61.842 29	29.79 10	54.60 46	79.96 245	34.327 36	9.69 100	36.59 15	82.46 270
24.9	61.791 51	29.55 24	54.03 57	82.00 204	34.270 57	10.71 102	36.38 21	84.77 232
	68	37	66	155	75	98	26	189
12 4.8	61.723	29.18	53.37	83.55	34.195	11.69	36.12	86.66
14.8	61.640 83	28.71 47	52.66 71	84.53 98	34.106 89	12.60 91	35.80 32	88.07 141
24.8	61.545 95	28.16 55	51.90 76	84.90 37	34.006 100	13.40 80	35.45 35	88.95 88
34.8	61.442 103	27.55 61	51.14 76	84.65 25	33.899 107	14.06 66	35.08 37	89.28 33
平位	s 58.884	″ 8.76	s 47.591	″ 82.52	s 31.273	″ 26.26	s 32.984	″ 53.68
Sec δ Tan δ	+1.008	+0.128	+3.916	−3.786	+1.018	−0.193	+2.278	+2.047
2回正中	10月	2日	10月	3日	10月	3日	10月	3日
a、b	+0.1550	+0.0084	+0.1022	−0.2472	+0.1507	−0.0126	+0.1815	+0.1336
a′ b′	+0.9799	−0.1993	+0.9792	−0.2028	+0.9786	−0.2059	+0.9786	−0.2060
FK3番号	28		31		30		29	

本初子午線正中時

星名	λ² Tucn		γ Cass		μ Andr		α Scul	
等級 スペクトル型	5.34	K0	2.25	B0p	3.94	A2	4.39	B5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 0 53	° ′ −69 48	h m 0 53	° ′ +60 25	h m 0 53	° ′ +38 12	h m 0 56	° ′ −29 37
1 0.8	s 4.86	″ 52.05	s 31.76	″ 81.67	s 50.525	″ 71.78	s 5.695	″ 92.02
10.7	4.32 54	51.64 41	31.42 34	81.64 3	50.359 166	71.38 40	5.553 142	92.42 40
20.7	3.81 51	50.63 101	31.08 34	81.08 56	50.187 172	70.62 76	5.411 142	92.46 4
30.7	3.32 49	49.05 158	30.75 33	80.00 108	50.018 169	69.55 107	5.274 137	92.13 33
	44	211	31	154	158	135	126	70
2 9.7	2.88	46.94	30.44	78.46	49.860	68.20	5.148	91.43
19.6	2.49 39	44.38 256	30.17 27	76.53 193	49.722 138	66.63 157	5.038 110	90.39 104
29.6	2.18 31	41.41 297	29.95 22	74.29 224	49.612 110	64.93 170	4.951 87	89.01 138
	24	330	16	246	72	177	58	170
3 10.6	1.94	38.11	29.79	71.83	49.540	63.16	4.893	87.31
20.5	1.79 15	34.56 355	29.71 8	69.27 256	49.511 29	61.41 175	4.870 23	85.33 198
30.5	1.74 5	30.84 372	29.71 0	66.72 255	49.533 22	59.77 164	4.886 16	83.10 223
	5	381	8	244	75	146	60	245
4 9.5	1.79	27.03	29.79	64.28	49.608	58.31	4.946	80.65
19.5	1.93 14	23.20 383	29.96 17	62.06 222	49.738 130	57.11 120	5.051 105	78.03 262
29.4	2.18 25	19.45 375	30.21 25	60.14 192	49.922 184	56.23 88	5.203 152	75.28 275
	35	361	33	153	235	53	196	282
5 9.4	2.53	15.84	30.54	58.61	50.157	55.70	5.399	72.46
19.4	2.96 43	12.45 339	30.94 40	57.50 111	50.437 280	55.56 14	5.637 238	69.63 283
29.4	3.48 52	9.37 308	31.39 45	56.87 63	50.755 318	55.83 27	5.912 275	66.86 277
	59	271	50	13	349	66	306	266
6 8.3	4.07	6.66	31.89	56.74	51.104	56.49	6.218	64.20
18.3	4.71 64	4.39 227	32.41 52	57.12 38	51.473 369	57.55 106	6.547 329	61.72 248
28.3	5.40 69	2.60 179	32.95 54	57.98 86	51.852 379	58.97 142	6.891 344	59.48 224
	71	125	55	134	381	174	350	195
7 8.2	6.11	1.35	33.50	59.32	52.233	60.71	7.241	57.53
18.2	6.82 71	0.65 70	34.02 52	61.11 179	52.606 373	62.74 203	7.588 347	55.94 159
28.2	7.51 69	0.53 12	34.53 51	63.28 217	52.963 357	64.99 225	7.925 337	54.72 122
	66	47	47	253	332	244	316	80
8 7.2	8.17	1.00	35.00	65.81	53.295	67.43	8.241	53.92
17.1	8.77 60	2.02 102	35.42 42	68.63 282	53.597 302	69.99 256	8.531 290	53.54 38
27.1	9.30 53	3.56 154	35.80 38	71.68 305	53.864 267	72.63 264	8.788 257	53.59 5
	44	201	32	323	227	265	220	47
9 6.1	9.74	5.57	36.12	74.91	54.091	75.28	9.008	54.06
16.1	10.08 34	7.97 240	36.37 25	78.24 333	54.279 188	77.91 263	9.187 179	54.91 85
26.0	10.32 24	10.68 271	36.57 20	81.61 337	54.425 146	80.45 254	9.324 137	56.09 118
	12	291	13	335	105	242	94	146
10 5.9	10.44	13.59	36.70	84.96	54.530	82.87	9.418	57.55
15.9	10.44 0	16.58 299	36.76 6	88.22 326	54.595 65	85.13 226	9.472 54	59.22 167
25.9	10.34 10	19.53 295	36.77 1	91.33 311	54.622 27	87.19 206	9.488 16	61.01 179
	21	280	6	287	8	182	21	183
11 4.9	10.13	22.33	36.71	94.20	54.614	89.01	9.467	62.84
14.9	9.83 30	24.86 253	36.60 11	96.79 259	54.573 41	90.57 156	9.417 50	64.64 180
24.9	9.44 39	27.00 214	36.43 17	99.02 223	54.502 71	91.81 124	9.339 78	66.32 168
	45	168	22	182	99	93	99	149
12 4.8	8.99	28.68	36.21	100.84	54.403	92.74	9.240	67.81
14.8	8.50 49	29.83 115	35.96 25	102.20 136	54.281 122	93.30 56	9.123 117	69.05 124
24.8	7.97 53	30.40 57	35.66 30	103.05 85	54.138 143	93.51 21	8.993 130	69.99 94
34.8	7.44 53	30.36 4	35.34 32	103.36 31	53.981 157	93.34 17	8.855 138	70.60 61
平位	s 4.165	″ 28.73	s 33.055	″ 68.36	s 51.495	″ 63.95	s 6.088	″ 77.15
Sec δ Tan δ	+2.897	−2.719	+2.027	+1.763	+1.273	+0.787	+1.151	−0.569
2回正中	10月	4日	10月	4日	10月	4日	10月	5日
a b	+0.1117	−0.1764	+0.1806	+0.1143	+0.1656	+0.0511	+0.1441	−0.0368
a′ b′	+0.9733	−0.2295	+0.9728	−0.2315	+0.9725	−0.2329	+0.9702	−0.2424
FK3番号	34		32		33		35	

本初子午線正中時

星名	ε Pisc				26 Ceti				† β Phoe m				ι Tucn			
等級 スペクトル型	4.45		KO		6.07		FO		3.35		KO		5.32		KO	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 1 0		° ′ + 7 36		h m 1 1		° ′ + 1 5		h m 1 3		° ′ −46 59		h m 1 5		° ′ −62 2	
	s		″		s		″		s		″		s		″	
1 0.8	13.784	109	36.15	62	7.653	107	14.37	63	45.929	215	67.24	21	15.80	37	91.21	7
10.7	13.675	114	35.53	65	7.546	111	13.74	58	45.714	215	67.45	30	15.43	36	91.14	66
20.7	13.561	112	34.88	64	7.435	111	13.16	51	45.499	207	67.15	80	15.07	35	90.48	121
30.7	13.449	107	34.24	61	7.324	104	12.65	41	45.292	191	66.35	126	14.72	32	89.27	174
2 9.7	13.342		33.63		7.220		12.24		45.101		65.09		14.40		87.53	
19.6	13.248	94	33.09	54	7.128	92	11.95	29	44.931	170	63.38	171	14.12	28	85.31	222
29.6	13.174	74	32.64	45	7.056	72	11.82	13	44.792	139	61.27	211	13.88	24	82.67	264
		48		31		47		3		103		246		18		300
3 10.6	13.126		32.33		7.009		11.85		44.689		58.81		13.70		79.67	
20.6	13.110	16	32.20	13	6.993	16	12.10	25	44.630	59	56.04	277	13.58	12	76.38	329
30.5	13.131	21	32.27	7	7.013	20	12.56	46	44.619	11	53.03	301	13.53	5	72.87	351
		63		31		61		70		42		321		2		366
4 9.5	13.194		32.58		7.074		13.26		44.661		49.82		13.55		69.21	
19.5	13.299	105	33.14	56	7.177	103	14.21	95	44.758	97	46.50	332	13.65	10	65.49	372
29.4	13.448	149	33.96	82	7.323	146	15.40	119	44.912	154	43.12	338	13.83	18	61.78	371
		191		108		187		142		208		336		25		362
5 9.4	13.639		35.04		7.510		16.82		45.120		39.76		14.08		58.16	
19.4	13.867	228	36.36	132	7.735	225	18.45	163	45.380	260	36.48	328	14.41	33	54.71	345
29.4	14.129	262	37.91	155	7.993	258	20.26	181	45.687	307	33.37	311	14.80	39	51.50	321
		289		173		286		194		347		288		45		289
6 8.3	14.418		39.64		8.279		22.20		46.034		30.49		15.25		48.61	
18.3	14.726	308	41.53	189	8.584	305	24.24	204	46.412	378	27.91	258	15.74	49	46.11	250
28.3	15.046	320	43.51	198	8.901	317	26.31	207	46.812	400	25.70	221	16.26	52	44.05	206
		323		204		321		206		411		179		55		156
7 8.3	15.369		45.55		9.222		28.37		47.223		23.91		16.81		42.49	
18.2	15.688	319	47.59	204	9.540	318	30.37	200	47.636	413	22.58	133	17.36	55	41.47	102
28.2	15.995	307	49.57	198	9.845	305	32.25	188	48.038	402	21.74	84	17.90	54	41.00	47
		288		188		288		173		383		31		52		11
8 7.2	16.283		51.45		10.133		33.98		48.421		21.43		18.42		41.11	
17.1	16.546	263	53.20	175	10.397	264	35.50	152	48.773	352	21.63	20	18.89	47	41.78	67
27.1	16.781	235	54.77	157	10.632	235	36.80	130	49.088	315	22.34	71	19.32	43	42.99	121
		203		136		202		105		269		118		36		169
9 6.1	16.984		56.13		10.834		37.85		49.357		23.52		19.68		44.68	
16.1	17.152	168	57.28	115	11.003	169	38.65	80	49.576	219	25.12	160	19.97	29	46.81	213
26.0	17.286	134	58.20	92	11.137	134	39.19	54	49.741	165	27.09	197	20.18	21	49.28	247
		100		69		100		29		110		223		13		272
10 6.0	17.386		58.89		11.237		39.48		49.851		29.32		20.31		52.00	
15.9	17.453	67	59.36	47	11.304	67	39.55	7	49.906	55	31.74	242	20.36	5	54.86	286
25.9	17.489	36	59.63	27	11.340	36	39.42	13	49.910	4	34.24	250	20.33	3	57.73	289
		8		7		8		30		46		248		11		280
11 4.9	17.497		59.70		11.348		39.12		49.864		36.72		20.22		60.55	
14.9	17.481	16	59.62	8	11.331	17	38.69	43	49.775	89	39.06	234	20.04	18	63.14	259
24.9	17.441	40	59.39	23	11.292	39	38.16	53	49.647	128	41.18	212	19.81	23	65.41	227
		60		34		60		61		158		181		29		187
12 4.8	17.381		59.05		11.232		37.55		49.489		42.99		19.52		67.28	
14.8	17.305	76	58.60	45	11.156	76	36.91	64	49.306	183	44.41	142	19.19	33	68.67	139
24.8	17.213	92	58.07	53	11.066	90	36.26	65	49.104	202	45.39	98	18.84	35	69.52	85
34.8	17.111	102	57.49	58	10.966	100	35.61	65	48.892	212	45.90	51	18.48	36	69.80	28
中位	s 14.470		″ 38.32		s 8.286		″ 18.83		s 45.991		″ 48.08		s 15.367		″ 69.30	
Sec δ Tan δ	+1.009		+0.134		+1.000		+0.019		+1.466		−1.072		+2.134		−1.885	
2回正中	10月 6日				10月 6日				10月 7日				10月 7日			
a b	+0.1551		+0.0086		+0.1537		+0.0012		+0.1337		−0.0687		+0.1180		−0.1206	
a′ b′	+0.9657		−0.2598		+0.9646		−0.2636		+0.9615		−0.2747		+0.9597		−0.2809	
FK3番号	36				37				38				39			

本初子午線正中時

星名	η Ceti				β Andr				44 H.Ceph				τ Pisc			
等級 スペクトル型	3.60		KO		2.37		MO		5.68		AO		4.70		KO	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 1 5		° ′ −10 27		h m 1 6		° ′ +35 20		h m 1 7		° ′ +79 23		h m 1 8		° ′ +29 48	
	s		″		s		″		s		″		s		″	
1 0.8	57.876	111	34.86	62	47.886	154	50.71	34	39.87	107	69.09	59	46.554	139	56.43	40
10.7	57.765	116	35.48	44	47.732	162	50.37	66	38.80	110	69.68	5	46.415	146	56.03	66
20.7	57.649	114	35.92	25	47.570	163	49.71	95	37.70	108	69.63	66	46.269	147	55.37	90
30.7	57.535	109	36.17	4	47.407	155	48.76	120	36.62	101	68.97	126	46.122	141	54.47	110
2 9.7	57.426		36.21		47.252		47.56		35.61		67.71		45.981		53.37	
19.6	57.329	97	36.03	18	47.113	139	46.15	141	34.70	91	65.92	179	45.854	127	52.12	125
29.6	57.251	78	35.61	42	46.999	114	44.61	154	33.92	78	63.68	224	45.750	104	50.78	134
		53		65		80		160		59		259		74		136
3 10.6	57.198		34.96		46.919		43.01		33.33		61.09		45.676		49.42	
20.6	57.176	22	34.05	91	46.880	39	41.43	158	32.93	40	58.26	283	45.641	35	48.11	131
30.5	57.190	14	32.91	114	46.888	8	39.94	149	32.76	17	55.31	295	45.649	8	44.91	120
		53		139		59		132		5		294		57		101
4 9.5	57.243		31.52		46.947		38.62		32.81		52.37		45.706		45.90	
19.5	57.339	96	29.90	162	47.061	114	37.55	107	33.08	27	49.54	283	45.813	107	45.12	78
29.4	57.478	139	28.08	182	47.227	166	36.76	79	33.57	49	46.95	259	45.970	157	44.64	48
		181		200		216		44		69		227		205		16
5 9.4	57.659		26.08		47.443		36.32		34.26		44.68		46.175		44.48	
19.4	57.879	220	23.94	214	47.705	262	36.23	9	35.13	87	42.82	186	46.424	249	44.67	19
29.4	58.133	254	21.71	223	48.006	301	36.53	30	36.14	101	41.41	141	46.710	286	45.20	53
		282		228		333		67		113		89		316		88
6 8.3	58.415		19.43		48.339		37.20		37.27		40.52		47.026		46.08	
18.3	58.719	304	17.16	227	48.694	355	38.23	103	38.48	121	40.16	36	47.365	339	47.28	120
28.3	59.037	318	14.95	221	49.063	369	39.61	138	39.74	126	40.35	19	47.717	352	48.77	149
		323		208		372		167		128		73		356		176
7 8.3	59.360		12.87		49.435		41.28		41.02		41.08		48.073		50.53	
18.2	59.682	322	10.96	191	49.802	367	43.22	194	42.28	126	42.34	126	48.424	351	52.49	196
28.2	59.992	310	9.28	168	50.155	353	45.37	215	43.50	122	44.09	175	48.763	339	54.62	213
		294		142		333		231		114		221		320		224
8 7.2	60.286		7.86		50.488		47.68		44.64		46.30		49.083		56.86	
17.1	60.556	270	6.73	113	50.793	305	50.10	242	45.69	105	48.92	262	49.376	293	59.17	231
27.1	60.798	242	5.92	81	51.066	273	52.58	248	46.62	93	51.90	298	49.639	263	61.49	232
		210		49		236		249		80		328		224		228
9 6.1	61.008		5.43		51.302		55.07		47.42		55.18		49.868		63.71	
16.1	61.183	175	5.25	18	51.501	199	57.52	245	48.08	66	58.69	351	50.060	192	65.99	222
26.0	61.322	139	5.38	13	51.660	159	59.90	238	48.58	50	62.36	367	50.216	156	68.09	210
		104		40		120		225		32		377		118		196
10 6.0	61.426		5.78		51.780		62.15		48.90		66.13		50.334		70.05	
15.9	61.495	69	6.41	63	51.862	82	64.24	209	49.06	16	69.90	377	50.417	83	71.84	179
25.9	61.533	38	7.23	82	51.908	46	66.15	191	49.04	2	73.61	371	50.465	48	73.43	159
		7		95		11		168		20		357		15		138
11 4.9	61.540		8.18		51.919		67.83		48.84		77.18		50.480		74.81	
14.9	61.522	18	9.20	102	51.897	22	69.27	144	48.47	37	80.50	332	50.465	15	75.96	115
24.9	61.479	43	10.26	106	51.845	52	70.43	116	47.93	54	83.51	301	50.422	43	76.85	89
		63		102		80		86		70		260		64		62
12 4.8	61.416		11.28		51.765		71.29		47.23		86.11		50.353		77.47	
14.8	61.336	80	12.24	96	51.660	105	71.84	55	46.40	83	88.23	212	50.262	91	77.62	35
24.8	61.242	94	13.09	85	51.534	126	72.05	21	45.46	94	89.81	158	50.150	112	77.89	7
34.8	61.136	106	13.81	72	51.390	144	71.93	12	44.43	103	90.79	98	50.022	128	77.67	22
中位	s 58.389		″ 26.51		s 48.744		″ 43.45		s 41.909		″ 52.81		s 47.354		″ 50.84	
Sec δ Tan δ	+1.017		−0.185		+1.226		+0.709		+5.435		+5.342		+1.153		+0.573	
2回正中	10月 7日				10月 8日				10月 8日				10月 8日			
a b	+0.1498		−0.0118		+0.1669		+0.0453		+0.2570		+0.3407		+0.1646		+0.0365	
a′ b′	+0.9589		−0.2839		+0.9578		−0.2874		+0.9567		−0.2911		+0.9553		−0.2957	
FK3番号	40				42				41				43			

本初子午線正中時

星名	102 G.Scul		υ Pisc		ϑ Ceti		φ Cass	
等スペク級トル型	5.91	A5	4.67	A2	3.83	K0	4.96	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 1 10	° ′ −38 7	h m 1 16	° ′ +26 59	h m 1 21	° ′ −8 26	h m 1 22	° ′ +67 51
	s	″	s	″	s	″	s	″
1 0.8	21.608 171	70.39 41/3	35.367 131	33.64 39	24.933 110	71.38 67	12.58 45	49.08 51/8
10.8	21.437 174	70.80	35.236 140	33.25 62	24.823 117	72.05 51	12.13 48	49.59
20.7	21.263 170	70.77 47	35.096 143	32.63 82	24.706 120	72.56 32	11.65 48	49.51 63
30.7	21.093 160	70.30 90	34.953 138	31.81 100	24.586 116	72.88 14	11.17 46	48.88 118
2 9.7	20.933 143	69.40 132	34.815 127	30.81 113	24.470 107	73.02 −8	10.71 42	47.70 165
19.6	20.790 118	68.08 169	34.688 105	29.68 120	24.363 90	72.94 29	10.29 36	46.05 206
29.6	20.672 88	66.39 205	34.583 77	28.48 120	24.273 67	72.65 53	9.93 29	43.99 238
3 10.6	20.584 52	64.34 235	34.506 41/2	27.28 116	24.206 37	72.12 77	9.64 19	41.61 259
20.6	20.532 8/38	61.99 262	34.465	26.12 103	24.169 2/37	71.35 101	9.45 9/3	39.02 268
30.5	20.524	59.37 283	34.467 48	25.09 86	24.167	70.34 126	9.36	36.34 267
4 9.5	20.562 87	56.54 300	34.515 97	24.23 62	24.204 80	69.08 148	9.39 13	33.67 255
19.5	20.649 138	53.54 309	34.612 146	23.61 34	24.284 124	67.60 170	9.52 25	31.12 232
29.5	20.787 188	50.45 314	34.758 194	23.27 4	24.408 166	65.90 190	9.77 35	28.80 200
5 9.4	20.975 234	47.31 311	34.952 237	23.23 −29	24.574 206	64.00 205	10.12 45	26.80 163
19.4	21.209 276	44.20 301	35.189 275	23.52 62	24.780 243	61.95 216	10.57 52	25.17 118
29.4	21.485 313	41.19 285	35.464 306	24.14 94	25.023 272	59.79 222	11.09 59	23.99 70
6 8.3	21.798 340	38.34 261	35.770 330	25.08 124	25.295 296	57.57 225	11.68 64	23.29 20
18.3	22.138 361	35.73 232	36.100 343	26.32 151	25.591 312	55.32 219	12.32 67	23.09 31
28.3	22.499 371	33.41 196	36.443 349	27.83 175	25.903 320	53.13 211	12.99 68	23.40 81
7 8.3	22.870 372	31.45 155	36.792 347	29.58 193	26.223 319	51.02 195	13.67 68	24.21 130
18.2	23.242 364	29.90 112	37.139 335	31.51 207	26.542 313	49.07 175	14.35 67	25.51 174
28.2	23.606 346	28.78 64	37.474 318	33.58 217	26.855 297	47.32 150	15.02 62	27.25 216
8 7.2	23.952 321	28.14 16/32	37.792 293	35.75 220	27.152 276	45.82 123	15.64 59	29.41 253
17.2	24.273 288	27.98	38.085 265	37.95 220	27.428 251	44.59 92	16.23 53	31.94 284
27.1	24.561 249	28.30 78	38.350 232	40.15 215	27.679 220	43.67 61	16.76 46	34.78 310
9 6.1	24.810 205	29.08 120	38.582 197	42.30 206	27.899 187	43.06 29/1	17.22 39	37.88 329
16.1	25.015 160	30.28 156	38.779 162	44.36 194	28.086 153	42.77	17.61 32	41.17 342
26.0	25.175 114	31.84 186	38.941 125	46.30 179	28.239 118	42.78 29	17.93 23	44.59 348
10 6.0	25.289 67	33.70 207	39.066 91	48.09 162	28.357 85	43.07 53	18.16 16	48.07 348
15.9	25.356 23	35.77 220	39.157 58	49.71 143	28.442 53	43.60 72	18.32 6/7	51.55 340
25.9	25.379 −23/18	37.97 222	39.215 25	51.14 122	28.495 23	44.32 88	18.38	54.95 324
11 4.9	25.361	40.19 215	39.240 −5	52.36 100	28.518 −4	45.20 96	18.37 10	58.19 302
14.9	25.306 55	42.34 200	39.235 33	53.36 77	28.514 30	46.16 102	18.27 17	61.21 272
24.9	25.218 88	44.34 175	39.202 59	54.13 53	28.484 52	47.18 100	18.10 25	63.93 234
12 4.9	25.103 137	46.09 144	39.143 81	54.66 27	28.432 71	48.18 96	17.85 32	66.27 191
14.8	24.966 155	47.53 108	39.062 103	54.93 −3/23	28.361 89	49.14 87	17.53 38	68.18 140
24.8	24.811 167	48.61 66	38.959 120	54.96	28.272 102	50.01 75	17.15 43	69.58 86
34.8	24.644	49.27	38.839	54.73	28.170	50.76	16.92	70.44
中位	s 21.775	″ 53.64	s 36.097	″ 28.78	s 25.370	″ 64.20	s 13.723	″ 33.99
Sec.&Tang	+1.271	−0.785	+1.122	+0.509	+1.011	−0.149	+2.653	+2.458
2回正中	10月 9日		10月10日		10月11日		10月12日	
a b	+0.1375	−0.0499	+0.1645	+0.0321	+0.1499	−0.0093	+0.2109	+0.1534
a′ b′	+0.9532	−0.3022	+0.9447	−0.3281	+0.9376	−0.3479	+0.9363	−0.3511
FK3番号	44		45		47		46	

本初子午線正中時

星名	δ Cass		γ Phoe		η Pisc		14 G. Hydi	
等スペク級トル型	2.80	A5	3.40	K5	3.72	G5	6.06	G5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 1 22	° ′ +59 57	h m 1 26	° ′ −43 34	h m 1 28	° ′ +15 4	h m 1 33	° ′ −78 45
	s	″	s	″	s	″	s	″
1 0.8	22.635 314	70.60 32/21	6.616 199	79.96 50	41.195 111	43.31 50	20.46 107	88.78 3
10.8	22.321 331	70.92	6.417 204	80.46	41.084 122	42.81 59	19.39 108	88.75 66
20.7	21.990 334	70.71 73	6.213 203	80.47 1/47	40.962 126	42.22 66	18.31 104	88.09 127
30.7	21.656 323	69.98 121	6.010 194	80.00 94	40.836 125	41.56 72	17.27 99	86.82 182
2 9.7	21.333 296	68.77 163	5.816 178	79.06 139	40.711 117	40.84 73	16.28 91	85.00 234
19.7	21.037 253	67.14 198	5.638 153	77.67 181	40.594 100	40.11 70	15.37 81	82.66 278
29.6	20.784 198	65.16 225	5.485 123	75.86 219	40.494 75	39.41 63	14.56 67	79.88 316
3 10.6	20.586 128	62.91 241	5.362 84	73.67 252	40.419 45	38.78 52	13.89 53	76.72 347
20.6	20.458 51/32	60.50 246	5.278 39/11	71.15 280	40.374 7/35	38.26 36	13.36 38	73.25 368
30.5	20.407	58.04 242	5.239	68.35 303	40.367	37.90 16	12.98 20	69.57 383
4 9.5	20.439 119	55.62 227	5.250 63	65.32 319	40.402 80	37.74 −7	12.78 −3/14	65.74 388
19.5	20.558 205	53.35 203	5.313 118	62.13 329	40.482 126	37.81 33	12.75	61.86 387
29.5	20.763 284	51.32 170	5.431 172	58.84 333	40.608 171	38.14 60	12.89 33	57.99 375
5 9.4	21.047 357	49.62 132	5.603 224	55.51 329	40.779 212	38.74 86	13.22 50	54.24 358
19.4	21.404 419	48.30 89	5.827 271	52.22 318	40.991 250	39.60 113	13.72 65	50.66 330
29.4	21.823 470	47.41 43	6.098 312	49.04 299	41.241 281	40.73 136	14.37 80	47.36 297
6 8.4	22.293 509	46.98 −6	6.410 347	46.05 274	41.522 304	42.09 157	15.17 93	44.39 256
18.3	22.802 531	47.04 53	6.757 371	43.31 242	41.826 321	43.66 174	16.10 103	41.83 209
28.3	23.333 543	47.57 100	7.128 387	40.89 203	42.147 328	45.40 187	17.13 110	39.74 157
7 8.3	23.876 539	48.57 144	7.515 392	38.86 160	42.475 328	47.27 194	18.23 115	38.17 101
18.2	24.415 524	50.01 185	7.907 387	37.26 112	42.803 321	49.21 197	19.38 115	37.16 42/18
28.2	24.939 498	51.86 221	8.294 373	36.14 61	43.124 305	51.18 196	20.53 114	36.74
8 7.2	25.437 462	54.07 253	8.667 350	35.53 −10/47	43.429 285	53.14 189	21.67 107	36.92 76
17.2	25.899 418	56.60 279	9.017 317	35.43	43.714 259	55.03 178	22.74 98	37.68 133
27.1	26.317 367	59.39 300	9.334 278	35.84 91	43.973 230	56.81 164	23.72 86	39.01 184
9 6.1	26.684 313	62.39 314	9.612 234	36.75 136	44.203 198	58.45 148	24.58 71	40.85 230
16.1	26.997 254	65.53 323	9.846 186	38.11 175	44.401 165	59.93 129	25.29 54	43.15 267
26.1	27.251 194	68.76 325	10.032 136	39.86 207	44.566 132	61.22 109	25.83 34	45.82 293
10 6.0	27.445 132	72.01 321	10.168 86	41.93 231	44.698 99	62.31 90	26.17 −13/6	48.75 309
16.9	27.577 70	75.22 311	10.254 37/11	44.24 244	44.797 68	63.21 70	26.30	51.84 313
25.9	27.647 9	78.33 294	10.291	46.68 248	44.865 39	63.91 51	26.24 28	54.97 303
11 4.9	27.656 −51	81.27 290	10.280 53	49.16 240	44.904 −18/16	64.42 33	25.96 46	58.00 281
14.9	27.605 109	83.97 240	10.227 92	51.56 224	44.914	64.75 −15/0	25.50 64	60.81 248
24.9	27.496 164	86.37 203	10.135 125	53.80 197	44.898 41	64.90	24.86 79	63.29 205
12 4.9	27.332 213	88.40 162	10.010 153	55.77 163	44.857 63	64.90 15	24.07 91	65.34 154
14.8	27.119 257	90.02 115	9.857 176	57.40 124	44.794 83	64.75 29	23.16 100	66.88 96
24.8	26.862 292	91.17 64	9.681 192	58.64 78	44.711 100	64.46 42	22.16 106	67.84 35
34.8	26.570	91.81	9.489	59.42	44.611	64.04	21.10	68.19
中位	s 23.632	″ 56.88	s 8.546	″ 62.48	s 44.771	″ 42.14	s 19.143	″ 66.57
Sec.&Tang	+1.998	+1.730	+1.381	−0.952	+1.036	+0.269	+5.135	−5.036
2回正中	10月12日		10月13日		10月13日		10月14日	
a b	+0.1939	+0.1079	+0.1301	−0.0590	+0.1601	+0.0166	+0.0204	−0.3083
a′ b′	+0.9361	−0.3518	+0.9302	−0.3670	+0.9261	−0.3774	+0.9183	−0.3959
FK3番号	48		49		50		53	

本初子午線正中時

星名	40 Cass				51 Andr				α Erid				43 Cass			
等級 スペクトル型	5.50		KO		3.77		KO		0.60		B5		5.54		A0p	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	1h 34m		+72° 46′		1h 34m		+48° 21′		1h 35m		−57° 29′		1h 38m		+67° 46′	
	s		″		s		″		s		″		s		″	
1 0.8	17.75	60	49.61	78	46.498	205	67.50	18	47.434	312	81.06	40	26.55	44	67.11	71
10.8	17.15	63	50.39	19	46.293	222	67.68	$\overline{26}$	47.122	319	81.46	$\overline{15}$	26.11	47	67.82	14
20.7	16.52	64	50.58	$\overline{40}$	46.071	230	67.42	67	46.803	316	81.31	72	25.64	48	67.96	$\overline{43}$
30.7	15.88	62	50.18	98	45.841	226	66.75	107	46.487	303	80.59	126	25.16	47	67.53	97
2 9.7	15.26	58	49.20	151	45.615	212	65.68	140	46.184	281	79.33	176	24.69	43	66.56	146
19.7	14.68	50	47.69	196	45.403	184	64.28	168	45.903	247	77.57	222	24.26	39	65.10	190
29.6	14.18	42	45.73	233	45.219	146	62.60	188	45.656	206	75.35	263	23.87	31	63.20	224
3 10.6	13.76	29	43.40	259	45.073	98	60.72	200	45.450	154	72.72	298	23.56	23	60.96	249
20.6	13.47	16	40.81	275	44.975	41	58.72	201	45.296	97	69.74	326	23.33	12	58.47	262
30.5	13.31	3	38.06	278	44.934	$\overline{22}$	56.71	194	45.199	32	66.48	347	23.21	2	55.85	264
4 9.5	13.28	$\overline{12}$	35.28	271	44.956	87	54.77	178	45.167	$\overline{36}$	63.01	361	23.19	$\overline{10}$	53.21	256
19.5	13.40	26	32.57	252	45.043	153	52.99	155	45.203	106	59.40	367	23.29	21	50.65	238
29.5	13.66	39	30.05	225	45.196	217	51.44	125	45.309	176	55.73	366	23.50	31	48.27	210
5 9.4	14.05	51	27.80	189	45.413	275	50.19	89	45.485	245	52.07	356	23.81	42	46.17	175
19.4	14.56	62	25.91	147	45.688	327	49.30	51	45.730	307	48.51	339	24.23	50	44.42	133
29.4	15.18	71	24.44	100	46.015	369	48.79	9	46.037	363	45.12	314	24.73	57	43.09	88
6 8.4	15.89	77	23.44	50	46.384	401	48.70	$\overline{33}$	46.400	411	41.98	282	25.30	62	42.21	39
18.3	16.66	82	22.94	$\overline{1}$	46.785	423	49.03	74	46.811	448	39.16	242	25.92	67	41.82	$\overline{10}$
28.3	17.48	84	22.95	53	47.208	434	49.77	114	47.259	473	36.74	197	26.59	68	41.92	60
7 8.3	18.32	84	23.48	103	47.642	435	50.91	150	47.732	487	34.77	146	27.27	69	42.52	109
18.2	19.16	83	24.51	151	48.077	424	52.41	183	48.219	485	33.31	93	27.96	67	43.61	153
28.2	19.99	80	26.02	196	48.501	407	54.24	212	48.704	473	32.38	35	28.63	65	45.14	196
8 7.2	20.79	74	27.98	236	48.908	380	56.36	235	49.177	447	32.03	$\overline{21}$	29.28	61	47.10	234
17.2	21.53	68	30.34	271	49.288	348	58.71	254	49.624	409	32.24	78	29.89	56	49.44	267
27.1	22.21	61	33.05	301	49.636	309	61.25	268	50.033	361	33.02	131	30.45	49	52.11	294
9 6.1	22.82	52	36.06	326	49.945	269	63.93	276	50.394	305	34.33	179	30.94	44	55.05	316
16.1	23.34	42	39.32	343	50.214	225	66.69	279	50.699	242	36.12	220	31.38	36	58.21	331
26.1	23.76	33	42.75	354	50.439	179	69.48	277	50.941	173	38.32	253	31.74	28	61.52	341
10 6.0	24.09	22	46.29	358	50.618	134	72.25	271	51.114	103	40.85	276	32.02	20	64.93	343
15.9	24.31	12	49.87	355	50.752	89	74.96	258	51.217	34	43.61	287	32.22	11	68.36	339
25.9	24.43	0	53.42	343	50.841	43	77.54	241	51.251	$\overline{34}$	46.48	286	32.33	4	71.75	327
11 4.9	24.43	$\overline{10}$	56.85	324	50.884	$\overline{0}$	79.95	219	51.217	97	49.34	275	32.37	$\overline{5}$	75.02	307
14.9	24.33	21	60.09	297	50.884	43	82.14	192	51.120	154	52.09	252	32.32	14	78.09	281
24.9	24.12	32	63.06	261	50.841	85	84.06	161	50.966	205	54.61	219	32.18	21	80.90	246
12 4.9	23.80	40	65.67	219	50.756	122	85.67	126	50.761	246	56.80	177	31.97	29	83.36	205
14.8	23.40	50	67.86	170	50.634	158	86.93	86	50.515	279	58.57	128	31.68	35	85.41	158
24.8	22.90	55	69.56	115	50.476	186	87.79	45	50.236	303	59.85	75	31.33	41	86.99	106
34.8	22.35		70.71		50.290		88.24		49.933		60.60		30.92		88.05	
平位	s 18.822		″ 33.72		s 47.265		″ 56.19		s 46.820		″ 61.23		s 27.472		″ 51.87	
Sec δ Tan δ	+3.377		+3.226		+1.505		+1.125		+1.861		−1.570		+2.644		+2.448	
2回正中	10月15日				10月15日				10月15日				10月16日			
a b	+0.2394		+0.1971		+0.1835		+0.0687		+0.1109		−0.0956		+0.2213		+0.1484	
a′ b′	+0.9165		−0.4000		+0.9157		−0.4019		+0.9139		−0.4059		+0.9091		−0.4165	
FK3番号	51				52				54				55			

本初子午線正中時

星名	ν Pisc				129G.Scul				φ Pers				τ Ceti			
等級 スペクトル型	4.68		KO		5.64		A0		4.19		B0p		3.65		KO	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	1h 38m		+5° 13′		1h 39m		−37° 5′		1h 40m		+50° 25′		1h 41m		−16° 12′	
	s		″		s		″		s		″		s		″	
1 0.8	42.860	105	28.72	59	45.486	169	53.92	69	22.484	216	51.51	28	38.832	120	47.59	71
10.8	42.755	115	28.13	58	45.317	179	54.61	26	22.268	235	51.79	$\overline{16}$	38.712	131	48.30	46
20.7	42.640	122	27.55	54	45.138	181	54.87	$\overline{19}$	22.033	244	51.63	60	38.581	135	48.76	20
30.7	42.518	123	27.01	49	44.957	177	54.68	63	21.789	242	51.03	100	38.446	135	48.96	$\overline{9}$
2 9.7	42.395	116	26.52	40	44.780	166	54.05	106	21.547	228	50.03	137	38.311	126	48.87	36
19.7	42.279	101	26.12	29	44.614	146	52.99	146	21.319	201	48.66	167	38.185	112	48.51	65
29.6	42.178	80	25.83	16	44.468	121	51.53	184	21.118	162	46.99	189	38.073	90	47.86	93
3 10.6	42.098	51	25.67	$\overline{2}$	44.347	86	49.69	217	20.956	111	45.10	203	37.983	61	46.93	$\overline{120}$
20.6	42.047	16	25.69	21	44.261	47	47.52	248	20.845	53	43.07	208	37.922	26	45.73	147
30.6	42.031	$\overline{23}$	25.90	43	44.214	1	45.04	273	20.792	$\overline{12}$	40.99	202	37.896	$\overline{14}$	44.26	172
4 9.5	42.054	67	26.33	66	44.213	$\overline{48}$	42.31	292	20.804	80	38.97	188	37.910	56	42.54	195
19.5	42.121	112	26.99	90	44.261	99	39.39	307	20.884	150	37.09	166	37.966	101	40.59	215
29.5	42.233	155	27.89	113	44.360	150	36.32	316	21.034	216	35.43	137	38.067	146	38.44	231
5 9.4	42.388	197	29.02	136	44.510	198	33.16	316	21.250	277	34.06	103	38.213	188	36.13	242
19.4	42.585	234	30.38	156	44.708	244	30.00	311	21.527	331	33.03	64	38.401	227	33.71	250
29.4	42.819	266	31.94	173	44.952	284	26.89	298	21.858	376	32.39	22	38.628	260	31.21	251
6 8.4	43.085	291	33.67	186	45.236	317	23.91	279	22.234	412	32.17	$\overline{20}$	38.888	286	28.70	246
18.3	43.376	309	35.53	194	45.553	341	21.12	251	22.646	435	32.37	62	39.174	306	26.24	236
28.3	43.685	318	37.47	198	45.894	357	18.61	219	23.081	448	32.99	102	39.480	318	23.88	219
7 8.3	44.003	320	39.45	196	46.251	365	16.42	181	23.529	450	34.01	141	39.798	322	21.69	198
18.3	44.323	315	41.41	190	46.616	362	14.61	137	23.979	441	35.42	175	40.120	316	19.71	170
28.2	44.638	302	43.31	178	46.978	350	13.24	90	24.420	424	37.17	206	40.436	305	18.01	139
8 7.2	44.940	283	45.09	162	47.328	332	12.34	42	24.844	397	39.23	231	40.741	287	16.62	105
17.2	45.223	259	46.71	144	47.660	303	11.92	$\overline{8}$	25.241	366	41.54	252	41.028	263	15.57	67
27.1	45.482	232	48.15	122	47.963	270	12.00	56	25.607	327	44.06	268	41.291	233	14.90	31
9 6.1	45.714	202	49.37	99	48.233	232	12.56	102	25.934	285	46.74	278	41.524	202	14.59	$\overline{6}$
16.1	45.916	170	50.36	74	48.465	190	13.58	142	26.219	241	49.52	284	41.726	167	14.65	41
26.1	46.086	138	51.10	51	48.655	147	15.00	177	26.460	194	52.36	283	41.893	132	15.06	72
10 6.0	46.224	106	51.61	28	48.802	101	16.77	203	26.654	147	55.19	278	42.025	98	15.78	98
16.0	46.330	76	51.89	8	48.903	59	18.80	221	26.801	99	57.97	268	42.123	64	16.76	118
25.9	46.406	46	51.97	$\overline{10}$	48.962	16	21.01	229	26.900	52	60.65	252	42.187	31	17.94	
11 4.9	46.452	18	51.87	24	48.978	$\overline{23}$	23.30	227	26.952	5	63.17	231	42.218	2	19.26	132
14.9	46.470	$\overline{9}$	51.63	37	48.955	58	25.57	217	26.957	$\overline{40}$	65.48	205	42.220	$\overline{27}$	20.65	139
24.9	46.461	32	51.26	46	48.897	91	27.74	196	26.917	85	67.53	179	42.193	51	22.05	140
12 4.9	46.429	56	50.80	53	48.806	118	29.70	168	26.832	125	69.27	139	42.142	75	23.39	134
14.8	46.373	75	50.27	57	48.688	142	31.38	134	26.707	163	70.66	98	42.067	94	24.61	122
24.8	46.298	93	49.70	59	48.546	160	32.72	96	26.544	196	71.64	57	41.973	111	25.67	106
34.8	46.205		49.11		48.386		33.68		26.348		72.21		41.862		26.52	85
平位	s 43.308		″ 30.67		s 45.438		″ 38.66		s 23.222		″ 39.63		s 39.088		″ 36.40	
Sec δ Tan δ	+1.004		+0.091		+1.254		−0.756		+1.570		+1.210		+1.041		−0.291	
2回正中	10月16日				10月16日				10月16日				10月17日			
a b	+0.1559		+0.0055		+0.1321		−0.0457		+0.1876		+0.0731		+0.1450		−0.0175	
a′ b′	+0.9087		−0.4176		+0.9068		−0.4217		+0.9056		−0.4242		+0.9032		−0.4291	
FK3番号	56				58				57				59			

本初子午線正中時

星名	o Pisc		ε Scul		ζ Ceti		α Tria	
等級 スペクトル型	4.50	K0	5.39	F0	3.92	K0	3.58	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 1 42	° ′ +8 53	h m 1 43	° ′ −25 18	h m 1 48	° ′ −10 35	h m 1 50	° ′ +29 19
1 0.8	s 38.181 105	″ 47.91 54	s 12.514 133	″ 54.23 77	s 53.270 109	″ 35.25 75	s 6.055 127	″ 41.23
10.8	38.076 117	47.37 57	12.381 143	55.00 44	53.161 122	36.00 57	5.928 144	41.09 14
20.8	37.959 124	46.80 57	12.238 147	55.44 8	53.039 128	36.57 36	5.784 153	40.70 39
30.7	37.835 125	46.23 55	12.091 147	55.52 27	52.911 129	36.93 14	5.631 156	40.09 61 82
2 9.7	37.710 119	45.68 51	11.944 139	55.25 62	52.782 124	37.07 70	5.475 149	39.27 99
19.7	37.591 105	45.17 43	11.805 122	54.63 96	52.658 111	36.97 35	5.326 134	38.28 110
29.6	37.486 84	44.74 32	11.683 101	53.67 130	52.547 91	36.62 59	5.192 109	37.18 117
3 10.6	37.402 55	44.42 17	11.582 71	52.37 161	52.456 64	36.03 84	5.083 75	36.01 116
20.6	37.347 20	44.25 0	11.511 35	50.76 190	52.392 30	35.19 110	5.008 35	34.85 111
30.6	37.327 21	44.25 20	11.476 7	48.86 216	52.362 9	34.09 135	4.973 12	33.74 98
4 9.5	37.348 64	44.45 44	11.483 51	46.70 237	52.371 51	32.74 158	4.985 62	32.76 79
19.5	37.412 109	44.89 67	11.534 97	44.33 256	52.422 95	31.16 179	5.047 114	31.97 56
29.5	37.521 155	45.56 92	11.631 144	41.77 270	52.517 140	29.37 199	5.161 164	31.41 30
5 9.4	37.676 196	46.48 116	11.775 188	39.07 277	52.657 183	27.38 214	5.325 212	31.11 1
19.4	37.872 234	47.64 137	11.963 230	36.30 279	52.840 221	25.24 225	5.537 255	31.12 31
29.4	38.106 266	49.01 158	12.193 265	33.51 274	53.061 254	22.99 231	5.792 292	31.43 63
6 8.4	38.372 292	50.59 172	12.458 295	30.77 264	53.315 282	20.68 231	6.084 320	32.06 92
18.3	38.664 310	52.31 185	12.753 317	28.13 246	53.597 303	18.37 227	6.404 340	32.98 121
28.3	38.974 320	54.16 191	13.070 330	25.67 223	53.900 314	16.10 216	6.744 352	34.19 145
7 8.3	39.294 323	56.07 194	13.400 337	23.44 193	54.214 320	13.94 200	7.096 355	35.64 167
18.3	39.617 317	58.01 190	13.737 333	21.51 159	54.534 316	11.94 178	7.451 350	37.31 183
28.2	39.934 305	59.91 183	14.070 322	19.92 120	54.850 307	10.16 152	7.801 338	39.14 196
8 7.2	40.239 287	61.74 171	14.392 305	18.72 79	55.157 289	8.64 122	8.139 319	41.10 203
17.2	40.526 264	63.45 155	14.697 279	17.93 36	55.446 267	7.42 90	8.458 294	43.13 207
27.1	40.790 237	65.00 136	14.976 251	17.57 7	55.713 241	6.52 56	8.752 266	45.20 206
9 6.1	41.027 206	66.36 116	15.227 217	17.64 49	55.954 210	5.96 23	9.018 235	47.26 201
16.1	41.233 176	67.52 94	15.444 180	18.13 86	56.164 178	5.73 11	9.253 201	49.27 193
26.1	41.409 143	68.46 71	15.624 143	18.99 120	56.342 146	5.84 41	9.454 167	51.20 181
10 6.0	41.552 112	69.17 51	15.767 106	20.19 147	56.488 112	6.25 66	9.621 132	53.01 169
16.0	41.664 81	69.68 30	15.873 68	21.66 168	56.600 80	6.91 89	9.753 99	54.70 152
25.9	41.745 51	69.98 12	15.941 33	23.34 179	56.680 49	7.80 104	9.852 65	56.22 135
11 4.9	41.796 23	70.10 4	15.974 0	25.13 184	56.729 19	8.84 114	9.917 32	57.57 116
14.9	41.819 4	70.06 17	15.974 30	26.97 179	56.748 9	9.98 119	9.947 0	58.73 95
24.9	41.815 29	69.89 30	15.944 59	28.76 168	56.739 34	11.17 118	9.949 30	59.68 74
12 4.9	41.786 52	69.59 38	15.885 84	30.44 149	56.705 58	12.35 111	9.919 60	60.42 50
14.8	41.734 74	69.21 46	15.801 105	31.93 125	56.647 79	13.46 101	9.859 87	60.92 26
24.8	41.660 93	68.75 51	15.696 122	33.18 97	56.568 98	14.47 86	9.772 111	61.18 2
34.8	41.567	68.24	15.574	34.15	56.470	15.33	9.661	61.20
中位	s 38.634	″ 48.49	s 12.631	″ 42.41	s 53.523	″ 28.29	s 6.597	″ 35.00
Sec & Tans	+1.012	+0.157	+1.106	−0.473	+1.017	−0.187	+1.147	+0.562
2回正中	10月17日		10月17日		10月18日		10月19日	
a b	+0.1579	+0.0094	+0.1396	−0.0284	+0.1476	−0.0111	+0.1706	+0.0332
a′ b′	+0.9014	−0.4330	+0.9003	−0.4353	+0.8892	−0.4575	+0.8868	−0.4622
FK3番号	60		61		62		64	

本初子午線正中時

星名	ε Cass		ξ Pisc		φ Phoe		β Aris	
等級 スペクトル型	3.44	B3	4.84	K0	4.41	M3	2.72	A5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 1 50	° ′ +63 24	h m 1 50	° ′ +2 55	h m 1 51	° ′ −46 32	h m 1 51	° ′ +20 33
1 0.8	s 36.97 34	″ 68.98 74	s 51.264 102	″ 51.52 62	s 34.136 217	″ 100.99 74	s 45.230 112	″ 20.35 32
10.8	36.63 38	69.72 21	51.162 116	50.90 57	33.919 228	101.73 23	45.118 127	20.03 47
20.8	36.25 39	69.93 33	51.046 124	50.33 51	33.691 233	101.96 27	44.991 137	19.56 61
30.7	35.86 39	69.60 84	50.922 125	49.82 43	33.458 229	101.69 78	44.854 139	18.95 71
2 9.7	35.47 36	68.76 133	50.797 122	49.39 32	33.229 216	100.91 126	44.715 134	18.24 79
19.7	35.11 33	67.43 174	50.675 109	49.07 19	33.013 196	99.65 172	44.581 121	17.45 82
29.6	34.78 28	65.69 207	50.566 89	48.88 4	32.817 166	97.93 213	44.460 99	16.63 81
3 10.6	34.50 20	63.62 232	50.477 61	48.84 14	32.651 129	95.80 249	44.361 68	15.82 75
20.6	34.30 12	61.30 245	50.416 28	48.98 33	32.522 83	93.31 281	44.293 31	15.07 64
30.6	34.18 3	58.85 249	50.388 11	49.31 56	32.439 34	90.50 307	44.262 12	14.43 49
4 9.5	34.15 7	56.36 242	50.399 54	49.87 78	32.405 22	87.43 326	44.274 59	13.94 28
19.5	34.22 17	53.94 225	50.453 99	50.65 102	32.427 80	84.17 339	44.333 106	13.66 5
29.5	34.39 26	51.69 200	50.552 143	51.67 125	32.507 137	80.78 345	44.439 154	13.61 22
5 9.5	34.65 34	49.69 166	50.695 186	52.92 145	32.644 194	77.33 343	44.593 199	13.83 48
19.4	34.99 42	48.03 128	50.881 223	54.37 164	32.838 246	73.90 333	44.792 240	14.31 76
29.4	35.41 48	46.75 85	51.104 257	56.01 180	33.084 294	70.57 318	45.032 274	15.07 102
6 8.4	35.89 54	45.90 38	51.361 284	57.81 190	33.378 334	67.39 292	45.306 302	16.09 126
18.3	36.43 57	45.52 9	51.645 303	59.71 198	33.712 365	64.47 261	45.608 321	17.35 147
28.3	37.00 59	45.61 55	51.948 315	61.69 199	34.077 388	61.86 223	45.929 334	18.82 165
7 8.3	37.59 60	46.16 102	52.263 318	63.68 195	34.465 400	59.63 179	46.263 336	20.47 178
18.3	38.19 59	47.18 145	52.581 316	65.63 187	34.865 401	57.84 130	46.599 333	22.25 187
28.2	38.78 58	48.63 185	52.897 304	67.50 173	35.266 393	56.54 78	46.932 320	24.12 190
8 7.2	39.36 54	50.48 221	53.201 288	69.23 156	35.659 375	55.76 25	47.252 304	26.02 190
17.2	39.90 50	52.69 252	53.489 266	70.79 135	36.034 347	55.51 30	47.556 280	27.92 186
27.2	40.40 46	55.21 278	53.755 240	72.14 112	36.381 311	55.81 83	47.836 253	29.78 176
9 6.1	40.86 40	57.99 298	53.995 211	73.26 86	36.692 269	56.64 132	48.089 224	31.54 165
16.1	41.26 34	60.97 314	54.206 181	74.12 61	36.961 222	57.96 176	48.313 192	33.19 151
26.1	41.60 27	64.11 323	54.387 149	74.73 36	37.183 172	59.72 213	48.505 160	34.70 135
10 6.0	41.87 21	67.34 325	54.536 117	75.09 13	37.355 120	61.85 240	48.665 128	36.05 118
16.0	42.08 14	70.59 321	54.653 87	75.22 7	37.475 67	64.25 258	48.793 96	37.23 100
25.9	42.22 7	73.80 311	54.740 57	75.15 26	37.542 16	66.83 265	48.889 64	38.23 82
11 4.9	42.29 0	76.91 293	54.797 29	74.89 40	37.558 32	69.48 262	48.953 35	39.05 64
14.9	42.29 7	79.84 268	54.826 2	74.49 50	37.526 77	72.10 247	48.988 5	39.69 47
24.9	42.22 14	82.52 238	54.828 24	73.99 58	37.449 117	74.57 223	48.993 24	40.16 29
12 4.9	42.08 20	84.90 199	54.804 48	73.41 63	37.332 152	76.80 190	48.969 49	40.45 12
14.9	41.88 27	86.89 155	54.756 70	72.78 64	37.180 182	78.70 150	48.920 75	40.57 6
24.8	41.61 31	88.44 107	54.686 90	72.14 63	36.998 205	80.20 104	48.845 91	40.51 22
34.8	41.30	89.51	54.596	71.51	36.793	81.24	48.748	40.29
中位	s 37.700	″ 54.37	s 51.625	″ 53.90	s 33.766	″ 84.06	s 45.709	″ 16.84
Sec & Tans	+2.234	+1.998	+1.001	+0.051	+1.454	−1.056	+1.068	+0.375
2回正中	10月19日		10月19日		10月19日		10月19日	
a b	+0.2152	+0.1180	+0.1549	+0.0030	+0.1204	−0.0622	+0.1651	+0.0721
a′ b′	+0.8857	−0.4642	+0.8853	−0.4651	+0.8838	−0.4678	+0.8834	−0.4686
FK3番号	63		65		67		66	

本初子午線正中時

星名	η² Hydi		χ Erid		α Hydi		υ Ceti	
等級 スペクトル型	4.72	K0	3.73	G5	3.02	F0	4.18	M0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m s	° ′ ″	h m s	° ′ ″	h m s	° ′ ″	h m s	° ′ ″
1 0.8	1 53 38.48	−67 53 89.59	1 53 56.722	−51 51 79.35	1 57 9.03	−61 48 99.43	1 57 33.170	−21 19 54.42
10.8	37.98 50	90.06 47/13	56.468 254	80.05 70/17	8.66 37	100.05 62	33.047 123	55.27 85
20.8	37.47 51	89.93 73	56.202 266	80.22 38	8.27 39	100.09 4/54	32.911 136	55.83 56
30.7	36.96 51	89.20 131	55.932 270	79.84 90	7.88 39	99.55 111	32.767 144	56.08 25/9
2 9.7	36.46 47	87.89 184	55.667 251	78.94 141	7.50 36	98.44 164	32.621 140	55.99 41
19.7	35.99 42	86.05 232	55.416 227	77.53 188	7.14 33	96.80 214	32.481 128	55.58 74
29.6	35.57 37	83.73 276	55.189 194	75.65 230	6.81 28	94.66 256	32.353 108	54.84 106
3 10.6	35.20 30	80.97 312	54.995 153	73.35 268	6.53 23	92.10 295	32.245 81	53.78 136
20.6	34.90 21	77.85 341	54.842 103	70.67 299	6.30 17	89.15 325	32.164 46	52.42 165
30.6	34.69 13	74.44 363	54.739 49	67.68 325	6.13 9	85.90 350	32.118 7	50.77 192
4 9.5	34.56 4/6	70.81 377	54.690 −13	64.43 343	6.04 2/6	82.40 365	32.111 −37	48.85 215
19.5	34.52	67.04 382	54.703 75	61.00 355	6.02	78.75 375	32.148 83	46.70 235
29.5	34.58 16	63.22 381	54.778 139	57.45 359	6.08 14	75.00 375	32.231 129	44.36 251
5 9.5	34.74 25	59.41 370	54.917 200	53.86 355	6.22 22	71.25 368	32.360 173	41.84 262
19.4	34.99 35	55.71 351	55.117 259	50.31 344	6.44 29	67.57 353	32.533 215	39.22 267
29.4	35.34 43	52.20 325	55.376 311	46.87 324	6.73 36	64.04 328	32.748 251	36.55 267
6 8.4	35.77 50	48.95 290	55.687 356	43.63 297	7.09 42	60.76 298	32.999 282	33.88 260
18.3	36.27 56	46.05 249	56.043 392	40.66 263	7.51 47	57.78 259	33.281 304	31.28 246
28.3	36.83 60	43.56 201	56.435 418	38.03 222	7.98 50	55.19 213	33.585 321	28.82 227
7 8.3	37.43 64	41.55 149	56.853 433	35.81 175	8.48 53	53.06 163	33.906 327	26.55 202
18.3	38.07 64	40.06 91	57.286 437	34.06 124	9.01 53	51.43 108	34.233 327	24.53 171
28.2	38.71 64	39.15 33	57.723 429	32.82 69	9.54 53	50.35 50	34.560 319	22.82 135
8 7.2	39.35 61	38.82 −27	58.152 410	32.13 14	10.07 51	49.85 −9	34.879 303	21.47 97
17.2	39.96 57	39.09 86	58.562 380	31.99 43	10.58 48	49.94 68	35.182 281	20.50 57
27.2	40.53 51	39.95 142	58.942 343	32.42 97	11.06 42	50.62 124	35.463 255	19.93 15
9 6.1	41.04 44	41.37 193	59.285 296	33.39 148	11.48 37	51.86 175	35.718 224	19.78 −26
16.1	41.48 35	43.30 236	59.581 275	34.87 192	11.85 30	53.61 220	35.942 191	20.04 64
26.1	41.83 26	45.66 271	59.856 158	36.79 229	12.15 23	55.81 256	36.133 155	20.68 97
10 6.0	42.09 15	48.37 295	60.014 129	39.08 257	12.38 15	58.37 283	36.288 120	21.65 127
16.0	42.24 6/5	51.32 307	60.143 70	41.65 273	12.53 6/7	61.20 299	36.408 85	22.92 148
25.9	42.30	54.39 307	60.213 11	44.38 280	12.59	64.19 301	36.493 51	24.40 164
11 4.9	42.25 15	57.46 296	60.224 −44	47.18 274	12.58 9	67.20 293	36.544 19	26.04 170
14.9	42.10 24	60.42 271	60.180 95	49.92 258	12.49 16	70.13 272	36.563 −13	27.74 170
24.9	41.86 31	63.13 236	60.085 141	52.50 231	12.33 22	72.85 240	36.550 41	29.44 163
12 4.9	41.55 39	65.49 192	59.944 182	54.81 195	12.11 28	75.25 200	36.509 67	31.07 148
14.9	41.16 44	67.41 141	59.762 215	56.76 151	11.83 32	77.25 152	36.442 91	32.55 127
24.8	40.72 49	68.82 84	59.547 241	58.27 103	11.51 35	78.77 97	36.351 111	33.82 103
34.8	40.23	69.66	59.306	59.30	11.16	79.74	36.240	34.85
中位	s 36.871	″ 69.32	s 56.151	″ 61.47	s 7.904	″ 80.11	s 33.249	″ 44.40
Sec & Tan δ	+2.658	−2.463	+1.619	−1.274	+2.118	−1.867	+1.074	−0.390
2回正中	10月20日		10月20日		10月20日		10月21日	
a b	+0.0752	−0.1444	+0.1128	−0.0746	+0.0925	−0.1086	+0.1406	−0.0227
a′ b′	+0.8796	−0.4757	+0.8790	−0.4769	+0.8722	−0.4891	+0.8713	−0.4907
FK3番号	69		68		72		71	

本初子午線正中時

星名	50 Cass		r Andr r		α Aris		β Tria	
等級 スペクトル型	4.06	A2	2.28	K0	2.23	K2	3.08	A5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m s	° ′ ″	h m s	° ′ ″	h m s	° ′ ″	h m s	° ′ ″
1 0.8	1 58 56.18	+72 10 31.89	2 0 41.281	+42 4 62.51	2 4 13.728	+23 13 7.58	2 6 25.966	+34 44 40.49
10.8	55.64 54	32.97 108	41.120 161	62.76 25	13.617 111	7.37 21	25.833 133	40.60 11
20.8	55.05 59	33.48 51/8	40.937 183	62.66 10	13.488 129	6.99 38	25.679 154	40.41 19
30.7	54.44 61	33.40 66	40.741 196	62.20 46	13.347 141	6.45 54	25.510 169	39.94 47
2 9.7	53.82 58	32.74 120	40.540 195	61.41 110	13.200 144	5.77 79	25.336 170	39.22 96
19.7	53.24 53	31.54 168	40.345 176	60.31 133	13.056 131	4.98 85	25.166 157	38.26 114
29.7	52.71 44	29.86 210	40.169 149	58.98 153	12.925 111	4.13 87	25.009 132	37.12 126
3 10.6	52.27 35	27.76 241	40.020 109	57.45 163	12.814 81	3.26 84	24.877 99	35.86 132
20.6	51.92 22	25.35 261	39.911 61	55.82 166	12.733 44	2.42 76	24.778 56	34.54 132
30.6	51.70 10	22.74 271	39.850 7	54.16 161	12.689 1	1.66 63	24.722 8	33.22 124
4 9.5	51.60 −5	20.03 270	39.843 −52	52.53 149	12.688 −47	1.03 45	24.714 −46	31.98 110
19.5	51.65 18	17.33 257	39.895 112	51.06 129	12.735 95	0.58 23/2	24.760 100	30.88 90
29.5	51.83 32	14.76 235	40.007 172	49.77 103	12.830 145	0.35	24.860 135	29.98 64
5 9.5	52.15 44	12.41 205	40.179 228	48.74 73	12.975 191	0.37 29	25.015 206	29.34 37
19.4	52.59 55	10.36 168	40.407 278	48.01 34	13.166 234	0.66 56	25.221 252	28.97 5/27
29.4	53.14 65	8.68 124	40.685 320	47.62 3	13.400 270	1.22 83	25.473 294	28.92
6 8.4	53.79 73	7.44 78	41.005 356	47.59 −34	13.670 300	2.05 109	25.767 326	29.19 59
18.4	54.52 77	6.66 29/22	41.361 380	47.93 69	13.970 322	3.14 131	26.093 350	29.78 90
28.3	55.29 82	6.37	41.741 396	48.62 103	14.292 336	4.45 151	26.443 365	30.68 119
7 8.3	56.11 83	6.59 71	42.137 402	49.65 135	14.628 341	5.96 167	26.808 372	31.87 145
18.3	56.94 83	7.30 118	42.539 398	51.00 163	14.969 339	7.63 178	27.180 370	33.32 166
28.2	57.77 80	8.48 164	42.937 387	52.63 188	15.308 329	9.41 184	27.550 359	34.98 184
8 7.2	58.57 77	10.12 205	43.324 367	54.51 207	15.637 314	11.25 187	27.909 343	36.82 198
17.2	59.34 72	12.17 243	43.691 342	56.58 223	15.951 292	13.12 186	28.252 320	38.80 206
27.2	60.06 65	14.60 275	44.033 312	58.81 233	16.243 267	14.98 179	28.572 293	40.86 211
9 6.1	60.71 58	17.35 303	44.345 277	61.14 240	16.510 238	16.77 171	28.865 262	42.97 212
16.1	61.29 50	20.38 324	44.622 241	63.54 240	16.748 208	18.48 159	29.127 229	45.09 209
26.1	61.79 40	23.62 339	44.863 203	65.94 239	16.956 176	20.07 145	29.356 195	47.18 203
10 6.1	62.19 31	27.01 347	45.066 163	68.33 233	17.132 143	21.52 130	29.551 159	49.21 192
16.0	62.50 20	30.48 349	45.229 123	70.66 222	17.275 112	22.82 114	29.710 124	51.13 181
25.9	62.70 10	33.97 342	45.352 83	72.88 207	17.387 80	23.96 96	29.834 87	52.94 166
11 4.9	62.80 −2	37.39 329	45.435 43	74.95 190	17.467 48	24.92 80	29.921 52	54.60 148
14.9	62.78 12	40.68 307	45.478 3/36	76.85 169	17.515 18/13	25.72 62	29.973 17/14	56.08 129
24.9	62.66 22	43.75 277	45.481	78.54 143	17.533	26.34 45	29.990	57.37 107
12 4.9	62.44 33	46.52 239	45.445 73	79.97 114	17.520 41	26.79 26	29.971 52	58.44 82
14.9	62.11 41	48.91 193	45.372 109	81.11 82	17.479 70	27.05 9/10	29.919 85	59.26 56
24.8	61.70 50	50.84 143	45.263 140	81.93 48	17.409 94	27.14	29.834 114	59.82 28
34.8	61.20	52.27	45.123	82.41	17.315	27.04	29.720	60.10
中位	s 56.841	″ 15.97	s 41.820	″ 52.51	s 14.151	″ 2.98	s 26.435	″ 32.43
Sec & Tan δ	+3.266	+3.109	+1.347	+0.903	+1.088	+0.429	+1.217	+0.694
2回正中	10月21日		10月21日		10月22日		10月23日	
a b	+0.2562	+0.1800	+0.1836	+0.0520	+0.1681	+0.0245	+0.1776	+0.0394
a′ b′	+0.8683	−0.4960	+0.8643	−0.5026	+0.8566	−0.5159	+0.8516	−0.5241
FK3番号	70		73		74		75	

本初子午線正中時

星名	Br 299 Andr		55 Cass		μ Forn		γ Tria	
等級	5.40	K0	6.15	F5,A2	5.24	A0	4.07	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 10	°′ +50 49	h m 2 10	°′ +66 16	h m 2 10	°′ −30 57	h m 2 14	°′ +33 36
1 0.8	s 7.434	″ 43.83	s 21.77	″ 70.67	s 37.236	″ 73.16	s 12.450	″ 36.07
10.8	199 7.235	59 44.42	37 21.40	105 71.72	144 37.092	98 74.14	127 12.323	12 36.19
20.8	228 7.007	16 44.58	42 20.98	52 72.24	160 36.932	60 74.74	149 12.174	15 36.04
30.7	245 6.762	28 44.30	44 20.54	3 72.21	170 36.762	19 74.93	164 12.010	42 35.62
	252	68	45	57	173	22	172	66
2 9.7	6.510	43.62	20.09	71.64	36.589	74.71	11.838	34.96
19.7	247 6.263	108 42.54	43 19.66	108 70.56	169 36.420	63 74.08	170 11.668	89 34.07
29.7	226 6.037	141 41.13	40 19.26	154 69.02	156 36.264	102 73.06	157 11.511	105 32.02
	193	167	34	193	137	139	136	119
3 10.6	5.844	39.46	18.92	67.09	36.127	71.67	11.375	31.83
20.6	148 5.696	187 37.59	27 18.65	223 64.86	108 36.019	175 69.92	103 11.272	124 30.59
30.6	93 5.603	197 35.62	18 18.47	242 62.44	73 35.946	206 67.86	63 11.209	124 29.35
	29	198	8	252	32	236	45	117
4 9.5	5.574	33.64	18.39	59.92	35.914	65.50	11.194	28.18
19.5	39 5.613	191 31.73	3 18.42	251 57.41	14 35.928	259 62.91	36 11.230	104 27.14
29.5	109 5.722	175 29.98	13 18.55	240 55.01	63 35.991	278 60.13	91 11.321	84 26.30
	179	151	24	219	112	293	145	61
5 9.5	5.901	28.47	18.79	52.82	36.103	57.20	11.466	25.69
19.4	244 6.145	123 27.24	33 19.12	191 50.91	160 36.263	300 54.20	195 11.661	34 25.35
29.4	303 6.448	88 26.36	43 19.55	155 49.36	206 36.469	302 51.18	243 11.904	7 25.32
	355	51	50	115	246	296	284	27
6 8.4	6.803	25.85	20.05	48.21	36.715	48.22	12.188	25.59
18.4	396 7.199	11 25.74	56 20.61	71 47.50	282 36.997	284 45.38	317 12.505	58 26.17
28.3	427 7.626	73 26.02	61 21.22	24 47.26	309 37.306	264 42.74	343 12.848	88 27.05
	447	68	64	22	329	238	359	116
7 8.3	8.073	26.70	21.86	47.48	37.635	40.36	13.207	28.21
18.3	456 8.529	106 27.76	66 22.52	69 48.17	340 37.975	206 38.30	367 13.574	140 29.61
28.2	456 8.985	140 29.16	66 23.18	114 49.31	343 38.318	168 36.62	366 13.940	161 31.22
	444	172	65	156	337	126	358	177
8 7.2	9.429	30.88	23.83	50.87	38.655	35.36	14.298	32.99
17.2	426 9.854	200 32.88	62 24.45	195 52.82	325 38.980	80 34.56	343 14.641	191 34.90
27.2	399 10.253	223 35.11	58 25.03	229 55.11	304 39.284	33 34.23	322 14.963	199 36.89
	367	242	54	260	278	16	296	202
9 6.1	10.620	37.53	25.57	57.71	39.562	34.39	15.259	38.91
16.1	329 10.949	255 40.08	48 26.05	285 60.56	246 39.808	61 35.00	266 15.526	204 40.95
26.1	288 11.237	264 42.72	42 26.47	303 63.59	212 40.020	104 36.04	235 15.760	199 42.94
	244	269	35	318	173	142	202	194
10 6.1	11.481	45.41	26.82	66.77	40.193	37.46	15.962	44.88
16.0	200 11.681	269 48.10	28 27.10	326 70.03	136 40.329	174 39.20	167 16.129	184 46.72
25.9	192 11.833	262 50.72	20 27.30	326 73.29	96 40.425	197 41.17	132 16.261	172 48.44
	104	252	12	321	57	212	97	158
11 4.9	11.937	53.24	27.42	76.50	40.482	43.29	16.358	50.02
14.9	55 11.992	237 55.61	4 27.46	308 79.58	20 40.502	217 45.46	61 16.419	142 51.44
24.9	7 11.999	216 57.77	4 27.42	288 82.46	16 40.486	214 47.60	26 16.445	123 52.67
	42	190	12	260	49	201	9	103
12 4.9	11.957	59.67	27.30	85.06	40.437	49.61	16.436	53.70
14.9	89 11.868	159 61.26	19 27.11	226 87.32	79 40.358	181 51.42	44 16.392	79 54.49
24.8	134 11.734	124 62.50	27 26.84	184 89.16	107 40.251	154 52.96	76 16.316	55 55.04
34.8	173 11.561	85 63.35	34 26.50	137 90.53	130 40.121	121 54.17	107 16.209	29 55.33
平位	s 7.934	″ 31.64	s 22.272	″ 55.57	s 37.083	″ 61.00	s 12.865	28.24
Sec δ Tan δ	+1.583	+1.227	+2.488	+2.276	+1.166	−0.600	+1.201	+0.665
2回正中	10月24日		10月24日		10月24日		10月25日	
a b	+0.1973	+0.0690	+0.2351	+0.1279	+0.1318	−0.0337	+0.1778	+0.0369
a′ b′	+0.8431	−0.5378	+0.8425	−0.5387	+0.8419	−0.5396	+0.8334	−0.5527
FK3番号	77		76		78		79	

本初子午線正中時

星名	67 Ceti		φ Erid		ϑ Aris		κ Forn	
等級	5.70	G5	3.78	B8	5.69	A0	5.37	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 14	°′ − 6 39	h m 2 14	°′ −51 44	h m 2 15	°′ +19 39	h m 2 20	°′ −24 2
1 0.8	s 23.116	″ 43.98	s 39.865	″ 84.48	s 13.308	″ 45.54	s 9.857	″ 76.18
10.8	100 23.016	79 44.77	251 39.614	96 85.44	103 13.205	25 45.29	124 9.733	103 77.21
20.8	117 22.899	64 45.41	270 39.344	44 85.88	122 13.083	38 44.91	141 9.592	70 77.91
30.7	129 22.770	47 45.88	279 39.065	12 85.76	137 12.946	50 44.41	153 9.439	35 78.26
	135	28	280	64	144	58	159	7
2 9.7	22.635	46.16	38.785	85.12	12.802	43.83	9.280	78.25
19.7	134 22.501	8 46.24	272 38.513	119 83.95	143 12.659	67 43.16	157 9.123	36 77.89
29.7	125 22.376	14 46.10	251 38.262	166 82.29	134 12.525	70 42.46	148 8.975	72 77.17
	108	36	224	211	115	69	131	106
3 10.6	22.268	45.74	38.038	80.18	12.410	41.77	8.844	76.11
20.6	84 22.184	60 45.14	185 37.853	250 77.68	87 12.323	65 41.12	105 8.739	140 74.71
30.6	52 22.132	84 44.30	138 37.715	285 74.83	53 12.270	56 40.56	72 8.667	170 73.01
	15	107	85	314	11	42	34	198
4 9.5	22.117	43.23	37.630	71.69	12.259	40.14	8.633	
19.5	28 22.145	132 41.91	25 37.605	336 68.33	34 12.293	24 39.90	70 8.643	71.03 224
29.5	71 22.216	153 40.38	38 37.643	350 64.83	83 12.376	3 39.87	56 8.699	68.79 245
	117	174	102	359	130	27	104	66.34 261
5 9.5	22.333	38.64	37.745	61.24	12.506	40.08	8.803	63.73
19.4	160 22.493	192 36.72	165 37.910	358 57.66	177 12.683	45 40.53	150 8.953	273 61.00
29.4	201 22.694	205 34.67	226 38.136	350 54.16	220 12.903	71 41.24	194 9.147	279 58.21
	237	215	281	334	257	95	234	278
6 8.4	22.931	32.52	38.417	50.82	13.160	42.19	9.381	55.43
18.4	266 23.197	220 30.32	330 38.747	310 47.72	287 13.447	118 43.37	268 9.649	272 52.71
28.3	290 23.487	218 28.14	369 39.116	278 44.94	311 13.758	138 44.75	294 9.943	257 50.14
	306	213	401	240	326	154	314	238
7 8.3	23.793	26.01	39.517	42.54	14.084	46.29	10.257	47.76
18.3	315 24.108	201 24.00	421 39.938	194 40.60	339 14.417	166 47.95	324 10.583	211 45.65
28.2	315 24.423	183 22.17	429 40.367	145 39.15	339 14.750	175 49.70	329 10.912	178 43.87
	309	161	427	90	325	178	325	142
8 7.2	24.732	20.56	40.794	38.25	15.075	51.48	11.237	42.45
17.2	296 25.028	136 19.20	415 41.209	34 37.91	312 15.387	177 53.25	313 11.550	101 41.44
27.2	278 25.306	106 18.14	390 41.599	24 38.15	292 15.679	172 54.97	296 11.846	59 40.85
	255	74	357	80	269	164	272	13
9 6.1	25.561	17.40	41.956	38.95	15.948	56.61	12.118	40.72
16.1	228 25.789	43 16.97	316 42.272	133 40.28	242 16.190	153 58.14	243 12.361	79 41.01
26.1	200 25.989	10 16.87	287 42.539	181 42.09	214 16.404	138 59.52	213 12.574	71 41.72
	168	20	214	221	183	123	178	108
10 6.1	26.157	17.07	42.753	44.30	16.587	60.75	12.752	42.80
16.0	139 26.296	46 17.53	158 42.911	254 46.84	152 16.739	107 61.82	144 12.896	140 44.20
25.9	106 26.402	69 18.22	99 43.010	275 49.59	121 16.860	90 62.72	108 13.004	165 45.85
	77	87	40	286	90	74	73	182
11 4.9	26.479	19.09	43.050	52.45	16.950	63.46	13.077	49.67
14.9	46 26.525	100 20.09	76 43.034	284 55.29	59 17.009	58 64.04	38 13.115	190 49.57
24.9	17 26.542	107 21.16	71 42.963	273 58.02	24 17.038	42 64.46	5 13.120	192 51.49
	77	109	120	249	7	26	27	184
12 4.9	26.531	22.25	42.843	60.51	17.036	64.72	13.093	53.33
14.9	38 26.493	105 23.30	164 42.679	216 62.67	31 17.005	12 64.84	57 13.036	168 55.01
24.8	63 26.430	99 24.29	204 42.475	175 64.42	60 16.945	3 64.81	85 12.951	148 58.49
34.8	85 26.345	88 25.17	235 42.240	129 65.71	85 16.860	16 64.65	108 12.843	121 57.70
平位	s 23.264	″ 39.20	s 39.103	″ 67.83	s 13.649	″ 41.85	s 9.760	″ 66.40
Sec δ Tan δ	+1.007	−0.117	+1.615	−1.269	+1.062	+0.357	+1.095	−0.446
2回正中	10月25日		10月25日		10月25日		10月26日	
a b	+0.1490	−0.0065	+0.1065	−0.0704	+0.1666	+0.0198	+0.1363	−0.0244
a′ b′	+0.8330	−0.5534	+0.8323	−0.5543	+0.8309	−0.5564	+0.8188	−0.5742
FK3番号	80		82		81		83	

本初子午線正中時

星名	λ Horo		κ Erid		ξ² Ceti		λ' Forn	
等スペクトル型	5.47	F2	4.44	B5	4.34	A0	5.88	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 23	° ′ -60 32	h m 2 25	° ′ -47 55	h m 2 25	° ′ +8 13	h m 2 30	° ′ -34 52
1 0.8	s 27.91 34	″ 56.46 99	s 5.452 219	″ 86.69 111	s 23.194 92	″ 41.24 51	s 57.246 152	″ 52.47 118
10.8	27.57 38	57.45 43/16	5.233 241	87.80 60	23.102 112	40.73 52	57.094 172	53.65 76
20.8	27.19 38	57.88	4.992 253	88.40 8/44	22.990 127	40.21 50	56.922 187	54.41 32/72
30.7	26.81 39	57.72 73	4.739 257	88.48	22.863 136	39.71 46	56.735 193	54.73
2 9.7	26.42 37	56.99 127	4.482 252	88.04 95	22.727 137	39.25 42	56.542 193	54.61 57
19.7	26.05 35	55.72 180	4.230 237	87.09 144	22.590 130	38.83 34	56.349 182	54.04 99
29.7	25.70 31	53.92 226	3.993 213	85.65 189	22.460 114	38.49 24	56.167 165	53.05 140
3 10.6	25.39 27	51.66 267	3.780 179	83.76 230	22.346 90	38.25 12/5	56.002 138	51.65 179
20.6	25.12 21	48.99 303	3.601 137	81.46 265	22.256 59	38.13	55.864 104	49.86 213
30.6	24.91 15	45.96 332	3.464 88	78.81 296	22.197 20	38.18 22	55.760 62	47.73 243
4 9.6	24.76 7	42.64 353	3.376 33/26	75.85 320	22.177 22/22	38.40 43	55.698 16/34	45.30 270
19.5	24.69 0	39.11 367	3.343	72.65 338	22.199 67	38.83 64	55.682	42.60 290
29.5	24.69 8	35.44 374	3.369 87	69.27 349	22.266 114	39.47 87	55.716 86	39.70 306
5 9.5	24.77 16	31.70 371	3.456 146	65.78 351	22.380 158	40.34 108	55.802 136	36.64 314
19.4	24.93 23	27.99 362	3.602 203	62.27 347	22.538 200	41.42 129	55.938 186	33.50 316
29.4	25.16 31	24.37 343	3.805 257	58.80 334	22.738 237	42.71 146	56.124 230	30.34 311
6 8.4	25.47 36	20.94 316	4.062 303	55.46 313	22.975 268	44.17 162	56.354 269	27.23 298
18.4	25.83 42	17.78 283	4.365 342	52.33 286	23.243 291	45.79 172	56.623 301	24.25 279
28.3	26.25 46	14.95 240	4.707 372	49.47 249	23.534 309	47.51 180	56.924 325	21.46 251
7 8.3	26.71 49	12.55 193	5.079 392	46.98 208	23.843 317	49.31 181	57.249 342	18.95 217
18.3	27.20 51	10.62 139	5.471 403	44.90 160	24.160 319	51.12 179	57.591 350	16.78 178
28.3	27.71 51	9.23 83	5.874 402	43.30 107	24.479 314	52.91 171	57.941 348	15.00 133
8 7.2	28.22 50	8.40 23/36	6.276 392	42.23 53/4	24.793 302	54.62 159	58.289 339	13.67 86
17.2	28.72 48	8.17	6.668 372	41.70	25.095 286	56.21 143	58.628 322	12.81 35/77
27.2	29.20 43	8.53 95	7.040 343	41.74 59	25.381 264	57.64 125	58.950 298	12.46
9 6.1	29.63 39	9.48 151	7.383 307	42.33 114	25.645 239	58.89 104	59.248 269	12.63 65
16.1	30.02 33	10.99 199	7.690 264	43.47 162	25.884 212	59.93 82	59.517 236	13.28 112
26.1	30.35 27	12.98 242	7.954 216	45.09 205	26.096 184	60.75 59	59.753 198	14.40 154
10 6.1	30.62 19	15.40 274	8.170 166	47.14 238	26.280 154	61.34 39	59.951 159	15.94 188
16.0	30.81 11	18.14 296	8.336 113	49.52 264	26.434 125	61.73 18	60.110 119	17.82 215
26.0	30.92 4	21.10 307	8.449 60	52.16 277	26.559 95	61.91 1	60.229 77	19.97 233
11 4.9	30.96 3	24.17 304	8.509 7/42	54.93 280	26.654 65	61.92 14	60.306 37/3	22.30 239
14.9	30.93 11	27.21 290	8.516	57.73 271	26.719 36	61.78 26	60.343	24.69 238
24.9	30.82 18	30.11 264	8.474 89	60.44 252	26.755 6	61.52 36	60.340 40	27.07 226
12 4.9	30.64 23	32.75 229	8.385 133	62.96 222	26.761 22/22	61.16 43	60.300 75	29.33 204
14.9	30.41 28	35.04 185	8.252 170	65.18 186	26.739 50	60.73 48	60.225 107	31.37 177
24.8	30.13 33	36.89 133	8.082 203	67.04 141	26.689 75	60.25 50	60.118 136	33.14 142
34.8	29.80	38.22	7.879	68.45	26.614	59.75	59.982	34.56
中位	s 26.567	″ 38.97	s 4.752	″ 71.40	s 23.408	″ 40.92	s 56.881	″ 40.40
Sec&Tans	+2.034	-1.771	+1.493	-1.108	+1.010	+0.145	+1.219	-0.697
2回正中	10月 27日		10月 28日		10月 28日		10月 29日	
a b	+0.0842	-0.0957	+0.1096	-0.0596	+0.1591	+0.0078	+0.1249	-0.0368
a' b'	+0.8104	-0.5858	+0.8062	-0.5916	+0.8054	-0.5927	+0.7908	-0.6120
FK3番号	84		86		85		88	

本初子午線正中時

星名	μ Hydi		36 H.Cass		ν Aris		δ Ceti	
等スペクトル型	5.29	K0	5.34	K0	5.36	A2	4.04	B2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 32	° ′ -79 19	h m 2 32	° ′ +72 35	h m 2 35	° ′ +21 44	h m 2 36	° ′ +0 6
1 0.8	s 48.88 112	″ 89.77 83	s 62.21 50	″ 49.85 150	s 51.206 96	″ 20.46 12	s 48.762 89	″ 17.17 71
10.8	47.76 118	90.60 22	61.71 59	51.35 96	51.110 120	20.34 26	48.653 110	16.46 62
20.8	46.58 120	90.82 38	61.14 62	52.31 39	50.990 138	20.08 39	48.543 126	15.84 52
30.8	45.38 120	90.44 98	60.52 63	52.70 19	50.852 149	19.69 50	48.417 137	15.32 39
2 9.7	44.18 116	89.46 154	59.89 63	52.51 76	50.703 153	19.19 61	48.280 140	14.93 26
19.7	43.02 108	87.92 206	59.26 59	51.75 129	50.550 146	18.58 66	48.140 135	14.67 10
29.7	41.94 100	85.86 252	58.67 52	50.46 174	50.404 131	17.92 70	48.005 121	14.57 7
3 10.6	40.96 86	83.34 291	58.15 43	48.72 213	50.273 106	17.22 68	47.884 99	14.64 25
20.6	40.08 73	80.43 325	57.72 32	46.59 240	50.167 72	16.54 62	47.785 69	14.89 46
30.6	39.35 56	77.18 350	57.40 20	44.19 259	50.095 32	15.92 51	47.716 33	15.35 67
4 9.6	38.79 38	73.68 369	57.20 5/8	41.60 266	50.063 14	15.41 37	47.683 8	16.02 89
19.5	38.41 20	69.99 378	57.15	38.94 263	50.077 63	15.04 18/3	47.691 53	16.91 110
29.5	38.21 0	66.21 381	57.23 23	36.31 249	50.140 112	14.86	47.744 98	18.01 132
5 9.5	38.21 19	62.40 375	57.46 36	33.82 227	50.252 160	14.89 27	47.842 143	19.33 152
19.5	38.40 38	58.65 360	57.82 49	31.55 196	50.412 205	15.16 50	47.985 184	20.85 168
29.4	38.78 56	55.05 337	58.31 59	29.59 159	50.617 244	15.66 75	48.169 223	22.53 182
6 8.4	39.34 73	51.68 307	58.90 69	28.00 118	50.861 278	16.41 98	48.392 254	24.35 192
18.4	40.07 87	48.61 269	59.59 76	26.82 73	51.139 304	17.39 118	48.646 280	26.27 197
28.3	40.94 100	45.92 224	60.35 82	26.09 26	51.443 323	18.57 136	48.926 299	28.24 197
7 8.3	41.94 110	43.68 173	61.17 85	25.83 23	51.766 334	19.93 150	49.225 310	30.21 192
18.3	43.04 116	41.95 118	62.02 86	26.06 69	52.100 337	21.43 160	49.535 314	32.13 181
28.3	44.20 119	40.77 59	62.88 86	26.75 116	52.437 333	23.03 166	49.849 310	33.94 167
8 7.2	45.39 118	40.18 2	63.74 84	27.91 158	52.770 322	24.69 168	50.159 301	35.61 146
17.2	46.57 114	40.20 62	64.58 80	29.49 199	53.092 306	26.37 165	50.460 287	37.07 124
27.2	47.71 106	40.82 121	65.38 74	31.48 235	53.398 285	28.02 159	50.747 266	38.31 98
9 6.2	48.77 94	42.03 176	66.12 69	33.83 266	53.683 261	29.61 151	51.013 244	39.29 70
16.1	49.71 80	43.79 223	66.81 61	36.49 293	53.944 234	31.12 139	51.257 218	39.99 42
26.1	50.51 62	46.02 265	67.42 53	39.42 314	54.178 206	32.51 126	51.475 189	40.41 15
10 6.1	51.13 43	48.67 294	67.95 43	42.56 329	54.384 176	33.77 111	51.664 162	40.56 10
16.0	51.56 21	51.61 313	68.38 33	45.85 337	54.560 145	34.88 98	51.826 131	40.46 33
26.0	51.77 1	54.74 320	68.71 22	49.22 339	54.705 115	35.86 82	51.957 102	40.13 51
11 4.9	51.76 23	57.94 313	68.93 11	52.61 332	54.820 82	36.68 67	52.059 72	39.62 65
14.9	51.53 43	61.07 295	69.04 0	55.93 319	54.902 51	37.35 53	52.131 43	38.97 76
24.9	51.10 64	64.02 264	69.04 12	59.12 296	54.953 18	37.88 39	52.174 12	38.21 81
12 4.9	50.46 80	66.66 224	68.92 24	62.08 265	54.971 15	38.27 25	52.186 16	37.40 82
14.9	49.66 96	68.90 176	68.68 34	64.73 227	54.956 46	38.52 10	52.170 26	36.58 81
24.9	48.70 106	70.66 119	68.34 44	67.00 182	54.910 75	38.62 4	52.124 91	35.77 76
34.8	47.64	71.85	67.90	68.82	54.835	38.58	52.053	35.01
中位	s 43.430	″ 71.34	s 62.295	″ 34.04	s 51.444	″ 15.79	s 48.834	″ 19.06
Sec&Tans	+5.904	-5.311	+3.342	+3.189	+1.077	+0.399	+1.000	+0.002
2回正中	10月 29日		10月 30日		10月 30日		10月 31日	
a b	-0.0655	-0.2783	+0.2850	+0.1670	+0.1701	+0.0207	+0.1534	+0.0001
a' b'	+0.7861	-0.6182	+0.7852	-0.6192	+0.7775	-0.6288	+0.7749	-0.6321
FK3番号	90		87		89		91	

本初子午線正中時

星名	ε Hydi		Br 366 Cass		35 Aris		†r Ceti	
等級	4.26		5.84		4.58		3.58	
スペクトル型	B9		A2		B3		A2	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 38	° ′ -68 28	h m 2 40	° ′ +67 36	h m 2 40	° ′ +27 29	h m 2 40	° ′ +3 1
1 0.8	s 49.34 50	″ 98.73 110	s 19.07 36	″ 34.85 143	s 23.369 101	″ 20.12 8	s 36.085 87	″ 2.90 65
10.8	48.84 54	99.83 52	18.71 42	36.28 92	23.268 126	20.20 11	35.998 108	2.25 59
20.8	48.30 56	100.35 9	18.29 45	37.20 38	23.142 148	20.09 30	35.890 127	1.66 51
30.8	47.74 56	100.26 67	17.84 48	37.58 77	22.994 160	19.79 49	35.763 137	1.15 42
2 9.7	47.18 55	99.59 125	17.36 48	37.41 70	22.834 164	19.30 64	35.626 141	0.73 32
19.7	46.63 52	98.34 178	16.88 45	36.71 120	22.670 157	18.66 76	35.485 137	0.41 18
29.7	46.11 48	96.56 227	16.43 41	35.51 163	22.513 142	17.90 85	35.348 123	0.23 5
3 10.6	45.63 42	94.29 269	16.02 34	33.88 200	22.371 116	17.05 99	35.225 102	0.18 13
20.6	45.21 35	91.60 306	15.68 25	31.88 225	22.255 81	16.16 88	35.123 72	0.31 30
30.6	44.86 26	88.54 336	15.43 16	29.63 244	22.174 39	15.28 81	35.051 35	0.61 50
4 9.6	44.60 17	85.18 358	15.27 4	27.19 250	22.135 10	14.47 69	35.016 5	1.11 71
19.5	44.43 8	81.60 374	15.23 6	24.69 247	22.145 59	13.78 52	35.021 51	1.82 93
29.5	44.35 3	77.86 380	15.29 18	22.22 233	22.204 112	13.26 32	35.072 95	2.75 113
5 9.5	44.38 14	74.06 378	15.47 29	19.89 212	22.316 162	12.94 9	35.167 141	3.88 134
19.5	44.52 23	70.28 368	15.76 39	17.77 183	22.478 209	12.85 17	35.308 183	5.22 152
29.4	44.75 33	66.60 351	16.15 47	15.94 147	22.687 251	13.02 43	35.491 221	6.74 167
6 8.4	45.08 41	63.09 323	16.62 56	14.47 108	22.938 286	13.45 68	35.712 253	8.41 179
18.4	45.49 49	59.86 289	17.18 61	13.39 65	23.224 313	14.13 92	35.965 280	10.20 185
28.3	45.98 55	56.97 247	17.79 66	12.74 20	23.537 334	15.05 115	36.245 298	12.05 189
7 8.3	46.53 61	54.50 199	18.45 69	12.54 25	23.871 346	16.20 133	36.543 310	13.94 186
18.3	47.14 63	52.51 144	19.14 69	12.79 70	24.217 349	17.53 149	36.853 314	15.80 178
28.3	47.77 65	51.07 87	19.83 70	13.49 113	24.566 346	19.02 160	37.167 312	17.58 166
8 7.2	48.42 64	50.20 26	20.53 69	14.62 153	24.912 336	20.62 167	37.479 303	19.24 149
17.2	49.06 62	49.94 35	21.22 65	16.15 191	25.248 320	22.29 171	37.782 288	20.73 129
27.2	49.68 58	50.29 96	21.87 61	18.06 224	25.568 299	24.00 170	38.070 269	22.02 106
9 6.2	50.26 52	51.25 153	22.48 57	20.30 254	25.867 276	25.70 167	38.339 247	23.08 80
16.1	50.78 44	52.78 204	23.05 51	22.84 277	26.143 247	27.37 160	38.586 221	23.88 54
26.1	51.22 37	54.82 248	23.56 44	25.61 298	26.390 219	28.97 151	38.807 194	24.42 29
10 6.1	51.59 26	57.30 282	24.00 38	28.59 310	26.609 188	30.48 142	39.001 166	24.71 6
16.0	51.85 16	60.12 306	24.38 29	31.69 318	26.797 157	31.90 129	39.167 136	24.77 17
26.0	52.01 6	63.18 318	24.67 22	34.87 319	26.954 124	33.19 116	39.303 107	24.60 35
11 4.9	52.07 5	66.36 317	24.89 12	38.06 313	27.078 91	34.35 102	39.410 78	24.25 49
14.9	52.02 15	69.53 303	25.01 4	41.19 300	27.169 57	35.37 87	39.488 47	23.76 60
24.9	51.87 24	72.56 278	25.05 6	44.19 279	27.226 22	36.24 73	39.535 17	23.16 66
12 4.9	51.63 34	75.34 242	24.99 14	46.98 250	27.248 13	36.97 55	39.552 12	22.50 70
14.9	51.29 41	77.76 198	24.85 23	49.48 215	27.235 47	37.52 38	39.540 42	21.80 71
24.9	50.88 47	79.74 145	24.62 31	51.63 171	27.188 79	37.90 19	39.498 69	21.09 68
34.8	50.41	81.19	24.31	53.34	27.109	38.09	39.429	20.41
平位	s 46.958	″ 81.44	s 19.176	″ 19.75	s 23.606	″ 13.74	s 36.182	″ 3.78
Sec&Tan δ	+2.727	-2.537	+2.625	+2.427	+1.127	+0.520	+1.001	+0.053
2回正中	10月 31日		10月 31日		10月 31日		10月 31日	
a b	+0.0453	-0.1302	+0.2575	+0.1238	+0.1757	+0.0265	+0.1556	+0.0027
a′ b′	+0.7695	-0.6387	+0.7651	-0.6439	+0.7649	-0.6441	+0.7644	-0.6448
FK3番号	95		92		94		96	

本初子午線正中時

星名	ϑ Pers		π Ceti		μ Ceti		η Pers	
等級	4.22		4.39		4.36		3.93	
スペクトル型	F8		B5		F0		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 40	° ′ +49 0	h m 2 41	° ′ -14 4	h m 2 42	° ′ +9 53	h m 2 46	° ′ +55 40
1 0.8	s 37.821 145	″ 47.74 81	s 38.840 99	″ 44.51 102	s 7.473 85	″ 45.82 46	s 52.986 203	″ 65.72 110
10.8	37.656 200	48.55 42	38.741 121	47.53 79	7.388 109	45.36 47	52.783 246	66.82 67
20.8	37.456 227	48.97 2	38.620 138	48.32 53	7.279 126	44.89 47	52.538 277	67.49 21
30.8	37.229 242	48.99 37	38.482 148	48.85 27	7.153 138	44.42 46	52.261 295	67.70 23
2 9.7	36.987 245	48.62 75	38.334 151	49.12 1	7.015 143	43.96 42	51.966 300	67.47 68
19.7	36.742 234	47.87 109	38.183 146	49.11 30	6.872 138	43.54 36	51.666 288	66.79 107
29.7	36.508 210	46.78 138	38.037 133	48.81 58	6.734 125	43.18 28	51.378 261	65.72 144
3 10.7	36.298 173	45.40 160	37.904 111	48.23 87	6.609 102	42.90 17	51.117 217	64.28 171
20.6	36.125 124	43.80 174	37.793 82	47.36 115	6.507 72	42.73 4	50.900 162	62.57 192
30.6	36.001 66	42.06 181	37.711 45	46.21 141	6.435 36	42.69 13	50.738 96	60.65 203
4 9.6	35.935 2	40.25 179	37.666 5	44.80 167	6.399 7	42.82 32	50.642 22	58.62 205
19.5	35.933 66	38.46 168	37.661 40	43.13 189	6.406 53	43.14 51	50.620 56	56.57 200
29.5	35.999 134	36.78 151	37.701 85	41.24 209	6.459 99	43.65 73	50.676 135	54.57 184
5 9.5	36.133 200	35.27 128	37.786 131	39.15 225	6.558 144	44.38 94	50.811 210	52.73 164
19.5	36.333 261	33.99 99	37.917 174	36.90 237	6.702 188	45.32 115	51.021 282	51.09 135
29.4	36.594 315	33.00 67	38.091 214	34.53 244	6.890 226	46.47 133	51.303 344	49.74 102
6 8.4	36.909 362	32.33 32	38.305 247	32.09 244	7.116 259	47.80 149	51.647 399	48.72 67
18.4	37.271 397	32.01 4	38.552 275	29.65 240	7.375 285	49.29 160	52.046 441	48.05 28
28.4	37.668 424	32.05 41	38.827 296	27.25 228	7.660 304	50.89 169	52.487 474	47.77 11
7 8.3	38.092 439	32.46 76	39.123 309	24.97 211	7.964 316	52.58 173	52.961 494	47.88 50
18.3	38.531 446	33.22 108	39.432 315	22.86 188	8.280 320	54.31 171	53.455 503	48.38 87
28.3	38.977 442	34.30 139	39.747 314	20.98 160	8.600 317	56.02 166	53.958 502	49.25 123
8 7.2	39.419 431	35.69 166	40.061 306	19.38 128	8.917 309	57.68 156	54.460 491	50.48 154
17.2	39.850 411	37.35 189	40.367 291	18.10 92	9.226 293	59.24 142	54.951 471	52.02 184
27.2	40.261 385	39.24 209	40.658 272	17.18 54	9.519 275	60.66 125	55.422 444	53.86 210
9 6.2	40.646 356	41.33 324	40.930 249	16.64 16	9.794 253	61.91 106	55.866 411	55.96 230
16.1	41.002 320	43.57 234	41.179 222	16.48 22	10.047 227	62.97 85	56.277 372	58.26 247
26.1	41.322 282	45.91 242	41.401 194	16.70 57	10.274 200	63.82 64	56.649 329	60.73 259
10 6.1	41.604 242	48.33 244	41.595 163	17.27 88	10.474 172	64.46 44	56.978 282	63.32 267
16.0	41.846 198	50.77 243	41.758 131	18.15 113	10.644 143	64.90 24	57.260 232	65.99 269
26.0	42.044 153	53.20 236	41.889 99	19.28 134	10.789 113	65.14 8	57.492 179	68.68 267
11 4.9	42.197 106	55.56 227	41.988 68	20.62 147	10.902 84	65.22 7	57.671 123	71.35 260
14.9	42.303 57	57.83 211	42.056 36	22.09 153	10.986 53	65.15 20	57.794 64	73.95 246
24.9	42.360 7	59.94 197	42.092 5	23.62 153	11.039 22	64.95 28	57.858 5	76.41 227
12 4.9	42.367 42	61.85 166	42.097 26	25.15 145	11.061 8	64.67 36	57.863 54	78.68 201
14.9	42.325 90	63.51 137	42.071 55	26.60 133	11.053 38	64.31 42	57.809 113	80.69 170
24.9	42.235 136	64.88 103	42.016 83	27.93 115	11.015 66	63.89 45	57.696 168	82.39 134
34.8	42.099	65.91	41.933	29.08	10.949	63.44	57.528	83.73
平位	s 38.082	″ 35.95	s 38.761	″ 40.57	s 7.611	″ 44.57	s 53.168	″ 52.62
Sec&Tan δ	+1.525	+1.151	+1.031	-0.251	+1.015	+0.174	+1.774	+1.465
2回正中	10月 31日		11月 1日		11月 1日		11月 2日	
a b	+0.2028	+0.0586	+0.1425	-0.0127	+0.1609	+0.0088	+0.2183	+0.0729
a′ b′	+0.7643	-0.6499	+0.7614	-0.6483	+0.7601	-0.6499	+0.7464	-0.6655
FK3番号	93		97		98		99	

本初子午線正中時

星名	β Forn		41 Aris		τ² Erid		τ Pers	
等級 スペクトル型	4.50	K0	3.68	B8	4.81	K0	4.06	G0,A5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 46	° ′ −32 36	h m 2 46	° ′ +27 2	h m 2 48	° ′ −21 12	h m 2 50	° ′ +52 33
	s	″	s	″	s	″	s	″
1 0.8	55.236 138	94.64 130	54.770 96	57.11 9	40.924 108	70.28 118	33.182 177	16.85 101
10.8	55.098 162	95.94 91	54.674 124	57.20 9	40.816 132	71.46 89	33.005 218	17.86 62
20.8	54.936 179	96.85 48	54.550 145	57.11 28	40.684 149	72.35 55	32.787 249	18.48 20
30.8	54.757 190	97.33 6	54.405 159	56.83 44	40.535 161	72.90 23	32.538 268	18.68 23
2 9.7	54.567 192	97.39 38	54.246 165	56.39 60	40.374 164	73.13 12	32.270 274	18.45 64
19.7	54.375 186	97.01 80	54.081 159	55.79 72	40.210 160	73.01 47	31.996 263	17.81 102
29.7	54.189 171	96.21 121	53.922 145	55.07 81	40.050 147	72.54 81	31.733 241	16.79 135
3 10.7	54.018 147	95.00 159	53.777 120	54.26 85	39.903 126	71.73 113	31.492 201	15.44 161
20.6	53.871 115	93.41 195	53.657 86	53.41 84	39.777 97	70.60 145	31.291 151	13.83 180
30.6	53.756 77	91.46 226	53.571 45	52.57 78	39.680 60	69.15 174	31.140 90	12.03 190
4 9.6	53.679 31	89.20 255	53.526 3	51.79 67	39.620 18	67.41 201	31.050 22	10.13 192
19.5	53.648 17	86.65 277	53.529 53	51.12 50	39.602 27	65.40 224	31.028 51	8.21 185
29.5	53.665 68	83.88 294	53.582 105	50.62 31	39.629 74	63.16 243	31.079 125	6.36 170
5 9.5	53.733 119	80.94 306	53.687 155	50.31 9	39.703 120	60.73 258	31.204 195	4.66 150
19.5	53.852 166	77.88 310	53.842 202	50.22 16	39.823 166	58.15 268	31.399 262	3.16 122
29.4	54.018 213	74.78 309	54.044 245	50.38 42	39.989 207	55.47 271	31.661 322	1.94 91
6 8.4	54.231 252	71.69 299	54.289 281	50.80 66	40.196 243	52.76 268	31.983 373	1.03 56
18.4	54.483 285	68.70 281	54.570 309	51.46 89	40.439 273	50.08 258	32.356 413	0.47 20
28.4	54.768 311	65.89 258	54.879 330	52.35 111	40.712 296	47.50 243	32.769 444	0.27 18
7 8.3	55.079 330	63.31 227	55.209 343	53.46 129	41.008 312	45.07 220	33.213 464	0.45 54
18.3	55.409 319	61.04 190	55.552 348	54.75 144	41.320 319	42.87 192	33.677 473	0.99 90
28.3	55.748 342	59.14 148	55.900 346	56.19 155	41.639 320	40.95 157	34.150 472	1.89 123
8 7.2	56.090 335	57.66 101	56.246 337	57.74 162	41.959 314	39.38 120	34.622 462	3.12 152
17.2	56.425 321	56.65 52	56.583 322	59.36 166	42.273 301	38.18 78	35.084 444	4.64 179
27.2	56.746 302	56.13 1	56.905 302	61.02 164	42.574 282	37.40 35	35.528 420	6.43 202
9 6.2	57.048 275	56.12 48	57.207 280	62.66 161	42.856 258	37.05 9	35.948 389	8.45 221
16.1	57.323 245	56.60 96	57.487 252	64.27 155	43.114 232	37.14 50	36.337 354	10.66 236
26.1	57.568 211	57.56 139	57.739 225	65.82 146	43.346 202	37.64 90	36.691 314	13.02 246
10 6.1	57.779 175	58.95 175	57.964 195	67.28 135	43.548 170	38.54 123	37.005 272	15.48 252
16.1	57.954 136	60.70 204	58.159 164	68.63 124	43.718 138	39.77 152	37.277 225	18.00 254
26.0	58.090 97	62.74 225	58.323 131	69.87 112	43.856 103	41.29 172	37.502 177	20.54 251
11 4.9	58.187 57	64.99 235	58.454 99	70.99 98	43.959 69	43.01 186	37.679 126	23.05 244
14.9	58.244 19	67.34 236	58.553 64	71.97 84	44.028 36	44.87 190	37.805 71	25.49 230
24.9	58.263 19	69.70 228	58.617 29	72.81 69	44.064 1	46.77 188	37.876 17	27.79 212
12 4.9	58.244 56	71.98 210	58.646 6	73.50 54	44.065 30	48.65 174	37.893 38	29.91 187
14.9	58.188 89	74.08 185	58.640 41	74.04 37	44.035 63	50.39 158	37.855 93	31.78 159
24.9	58.099 121	75.93 153	58.599 74	74.41 20	43.972 91	51.97 135	37.762 144	33.37 123
34.8	57.978	77.46	58.525	74.61	43.881	53.32	37.618	34.62
中位	s 54.823	″ 84.04	s 54.969	″ 50.79	s 40.710	″ 62.68	s 33.353	″ 4.38
Sec δ Tan δ	+1.187	−0.640	+1.123	+0.511	+1.073	−0.388	+1.645	+1.306
2回正中	11月 2日		11月 2日		11月 3日		11月 3日	
a b	+0.1249	−0.0319	+0.1760	+0.0254	+0.1360	−0.0192	+0.2123	+0.0640
a′ b′	+0.7463	−0.6656	+0.7463	−0.6656	+0.7412	−0.6713	+0.7356	−0.6774
FK3番号	101		100		102		103	

本初子午線正中時

星名	η Erid		ϑ Erid pr		47 H.Ceph		α Ceti	
等級 スペクトル型	4.05	K0	3.42	A2	5.66	M0	2.82	M0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 2 53	° ′ − 9 5	h m 2 56	° ′ −40 30	h m 2 58	° ′ +79 12	h m 2 59	° ′ + 3 53
	s	″	s	″	s	″	s	″
1 0.9	53.180 88	78.40 98	17.995 166	55.51 144	66.10 78	73.95 198	33.468 78	12.86 64
10.8	53.092 112	79.38 79	17.829 193	56.95 100	65.32 91	75.93 146	33.390 103	12.22 58
20.8	52.980 131	80.17 59	17.636 212	57.95 53	64.41 101	77.39 87	33.287 124	11.64 51
30.8	52.849 144	80.76 36	17.424 225	58.48 4	63.40 105	78.26 26	33.163 139	11.13 42
2 9.7	52.705 150	81.12 13	17.199 228	58.52 45	62.35 107	78.52 34	33.024 145	10.71 32
19.7	52.555 146	81.25 11	16.971 222	58.07 92	61.28 102	78.18 93	32.879 144	10.39 21
29.7	52.409 136	81.14 36	16.749 207	57.15 137	60.26 94	77.25 146	32.735 134	10.18 7
3 10.7	52.273 116	80.78 62	16.542 182	55.78 179	59.32 82	75.79 192	32.601 115	10.11 8
20.6	52.157 87	80.16 86	16.360 148	53.99 218	58.50 65	73.87 230	32.486 86	10.19 26
30.6	52.070 54	79.30 112	16.212 107	51.81 251	57.85 46	71.57 257	32.400 52	10.45 43
4 9.6	52.016 12	78.18 136	16.105 59	49.30 280	57.39 24	69.00 274	32.348 12	10.88 64
19.6	52.004 31	76.82 159	16.046 6	46.50 304	57.15 3	66.26 280	32.336 33	11.52 84
29.5	52.035 76	75.23 180	16.040 48	43.46 321	57.12 19	63.46 274	32.369 78	12.36 105
5 9.5	52.111 122	73.43 197	16.088 103	40.25 331	57.31 42	60.72 260	32.447 124	13.41 125
19.5	52.233 165	71.46 211	16.191 156	36.94 334	57.73 61	58.12 236	32.571 167	14.66 142
29.4	52.398 204	69.35 221	16.347 207	33.60 329	58.34 80	55.76 204	32.738 207	16.08 158
6 8.4	52.602 239	67.14 225	16.554 251	30.31 317	59.14 96	53.72 168	32.945 241	17.66 170
18.4	52.841 268	64.89 225	16.805 291	27.14 297	60.10 110	52.04 125	33.186 270	19.36 178
28.4	53.109 289	62.64 217	17.096 321	24.17 269	61.20 120	50.79 79	33.456 290	21.14 181
7 8.3	53.398 303	60.47 205	17.417 345	21.48 234	62.40 128	50.00 31	33.746 305	22.95 180
18.3	53.701 311	58.42 187	17.762 358	19.14 193	63.68 133	49.69 17	34.051 312	24.75 174
28.3	54.012 311	56.55 164	18.120 364	17.21 146	65.01 134	49.86 66	34.363 312	26.49 162
8 7.3	54.323 305	54.91 136	18.484 360	15.75 95	66.35 134	50.52 113	34.676 306	28.11 147
17.2	54.628 292	53.55 104	18.844 348	14.80 41	67.69 130	51.65 157	34.982 295	29.58 127
27.2	54.920 275	52.51 70	19.192 328	14.39 74	68.99 124	53.22 199	35.277 274	30.85 105
9 6.2	55.195 255	51.81 36	19.520 302	14.53 68	70.23 116	55.21 237	35.556 258	31.90 81
16.1	55.450 229	51.45 0	19.822 270	15.21 119	71.39 105	57.58 270	35.814 236	32.71 55
26.1	55.679 203	51.45 32	20.092 233	16.40 165	72.44 93	60.28 299	36.050 211	33.26 30
10 6.1	55.882 175	51.77 63	20.325 192	18.05 204	73.37 80	63.27 322	36.261 184	33.56 7
16.1	56.057 145	52.40 88	20.517 150	20.09 235	74.17 63	66.49 339	36.445 155	33.63 15
26.0	56.202 114	53.28 109	20.667 104	22.44 257	74.80 46	69.88 348	36.600 127	33.48 34
11 5.0	56.316 83	54.37 124	20.771 60	25.01 268	75.26 28	73.36 351	36.727 97	33.14 48
14.9	56.399 52	55.61 131	20.831 14	27.69 267	75.54 9	76.87 343	36.824 67	32.66 59
24.9	56.451 21	56.92 134	20.845 29	30.36 257	75.63 12	80.30 328	36.891 35	32.07 66
12 4.9	56.472 11	58.26 130	20.816 71	32.93 236	75.61 31	83.58 304	36.926 3	31.41 69
14.9	56.461 41	59.56 121	20.745 111	35.29 207	75.20 50	86.62 270	36.929 28	30.72 69
24.9	56.420 70	60.77 108	20.634 146	37.36 171	74.70 67	89.32 229	36.901 58	30.03 67
34.8	56.350	61.85	20.488	39.07	74.03	91.61	36.843	29.36
中位	s 53.097	″ 74.40	s 17.320	″ 43.73	s 65.165	″ 57.89	s 33.477	″ 12.93
Sec δ Tan δ	+1.013	−0.160	+1.315	−0.854	+5.345	+5.250	+1.002	+0.068
2回正中	11月 4日		11月 4日		11月 5日		11月 5日	
a b	+0.1460	−0.0078	+0.1137	−0.0409	+0.3998	+0.2485	+0.1565	+0.0032
a′ b′	+0.7257	−0.6880	+0.7185	−0.6956	+0.7099	−0.7043	+0.7085	−0.7058
FK3番号	104		106		105		107	

本初子午線正中時

星名	γ Pers		ρ Pers		ϑ Hydi		μ Horo	
等級 スペクトル型	3.08	F5,A3	3.3-4.1	M3	5.52	B8	5.16	F0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m	° ′	h m	° ′	h m	° ′	h m	° ′
	3 0	+53 18	3 1	+38 38	3 2	−72 5	3 2	−59 55
	s	″	s	″	s	″	s	″
1 0.9	60.816 171	28.59 113	49.973 109	34.24 59	11.45 59	95.33 138	24.784 320	94.14 150
10.8	60.645 216	29.72 74	49.864 144	34.83 31	10.85 66	96.71 80	24.464 357	95.64 97
20.8	60.429 250	30.46 33/11	49.720 171	35.14 2/26	10.19 70	97.51 20/39	24.107 384	96.61 39/78
30.8	60.179 272	30.79	49.549 191	35.16	9.49 71	97.71	23.723 398	97.00
2 9.7	59.907 282	30.68 52	49.358 199	34.90 54	8.78 70	97.32 98	23.325 399	96.82 74
19.7	59.625 275	30.16 92	49.159 196	34.36 79	8.08 68	96.34 152	22.926 386	96.08 129
29.7	59.350 253	29.24 126	48.963 181	33.57 101	7.40 64	94.82 202	22.540 363	94.79 180
3 10.7	59.097 217	27.98 154	48.782 154	32.56 115	6.76 57	92.80 249	22.177 325	92.99 226
20.6	58.880 167	26.44 175	48.628 117	31.41 126	6.19 50	90.31 287	21.852 277	90.73 266
30.6	58.713 106	24.69 188	48.511 72	30.15 129	5.69 40	87.44 321	21.575 218	88.07 302
4 9.6	58.607 38	22.81 192	48.439 18	28.86 125	5.29 30	84.23 347	21.357 150	85.05 330
19.6	58.569 35	20.89 188	48.421 38	27.61 116	4.99 18	80.76 365	21.207 78	81.75 352
29.5	58.604 110	19.01 176	48.459 97	26.45 100	4.81 7	77.11 376	21.129 1	78.23 365
5 9.5	58.714 183	17.25 157	48.556 154	25.45 80	4.74 −6	73.35 378	21.128 −78	74.58 372
19.5	58.897 252	15.68 132	48.710 209	24.65 56	4.80 18	69.57 372	21.206 155	70.86 369
29.4	59.149 313	14.36 102	48.919 257	24.09 29	4.98 29	65.85 358	21.361 230	67.17 358
6 8.4	59.462 367	13.34 69	49.176 300	23.80 0/28	5.27 41	62.27 334	21.591 298	63.59 338
18.4	59.829 411	12.65 33/3	49.476 333	23.80	5.68 50	58.93 303	21.889 358	60.21 311
28.4	60.240 445	12.32	49.809 360	24.08 57	6.18 59	55.90 264	22.247 409	57.10 275
7 8.3	60.685 467	12.35 40	50.169 377	24.65 84	6.77 66	53.26 218	22.656 450	54.35 232
18.3	61.152 479	12.75 75	50.546 386	25.49 108	7.43 71	51.08 166	23.106 477	52.03 182
28.3	61.631 480	13.50 109	50.932 386	26.57 129	8.14 74	49.42 109	23.583 493	50.21 127
8 7.3	62.111 474	14.59 139	51.318 380	27.86 147	8.88 75	48.33 49/14	24.076 495	48.94 69
17.2	62.585 459	15.98 166	51.698 366	29.33 162	9.63 73	47.84	24.571 483	48.25 9/54
27.2	63.044 435	17.64 191	52.064 348	30.95 174	10.36 70	47.98 75	25.054 460	48.16
9 6.2	63.479 407	19.55 211	52.412 324	32.69 181	11.06 64	48.73 134	25.514 423	48.70 112
16.1	63.886 373	21.66 227	52.736 298	34.50 185	11.70 57	50.07 189	25.937 375	49.82 167
26.1	64.259 334	23.93 240	53.034 268	36.35 186	12.27 47	51.96 236	26.312 319	51.49 217
10 6.1	64.593 292	26.33 247	53.302 236	38.21 185	12.74 37	54.32 276	26.631 256	53.66 257
16.1	64.885 247	28.80 252	53.538 201	40.06 181	13.11 24	57.08 304	26.887 185	56.23 289
26.0	75.132 197	31.32 250	53.739 165	41.87 173	13.35 12	60.12 320	27.072 111	59.12 308
11 5.0	75.329 145	33.82 245	53.904 127	43.60 165	13.47 −1	63.32 325	27.183 37	62.20 316
14.9	75.474 90	36.27 234	54.031 86	45.25 152	13.46 14	66.57 315	27.220 38	65.36 310
24.9	75.564 34	38.61 218	54.117 44	46.77 138	13.32 26	69.72 295	27.182 110	68.46 294
12 4.9	75.598 −24	40.79 196	54.161 2	48.15 119	13.06 37	72.67 263	27.072 177	71.40 267
14.9	75.574 82	42.75 168	54.163 41	49.34 98	12.69 48	75.30 222	26.895 239	74.07 228
24.9	75.492 136	44.43 135	54.122 82	50.32 75	12.21 56	77.52 172	26.656 292	76.35 183
34.8	75.356	45.78	54.040	51.07	11.65	79.24	26.364	78.18
平位	s 60.898	″ 16.07	s 50.104	″ 24.87	s 8.047	″ 79.61	s 23.083	″ 79.58
Sec.δ Tanδ	+1.674	+1.342	+1.280	+0.799	+3.255	−3.097	+1.996	−1.728
2回正中	11月 6日		11月 6日		11月 6日		11月 6日	
a b	+0.2169	+0.0630	+0.1913	+0.0374	+0.0060	−0.1446	+0.0710	−0.0806
a′ b′	+0.7040	−0.7102	+0.7014	−0.7128	+0.7005	−0.7137	+0.6997	−0.7144
FK3番号	108		109		113		110	

本初子午線正中時

星名	β Pers		ι Pers		δ Aris		† α Forn	
等級 スペクトル型	22-3.5	B8	4.17	G0	4.53	K0	3.95	F8
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m	° ′	h m	° ′	h m	° ′	h m	° ′
	3 4	+40 45	3 5	+49 24	3 8	+19 31	3 9	−29 10
	s	″	s	″	s	″	s	″
1 0.9	46.448 113	34.60 68	17.971 142	70.92 102	38.963 76	57.59 10	52.118 117	96.14 144
10.8	46.335 149	35.28 40	17.829 184	71.94 67	38.887 104	57.49 20	52.001 146	97.58 108
20.8	46.186 179	35.68 9	17.645 217	72.61 28/12	38.783 130	57.29 29	51.855 166	98.66 68
30.8	46.007 198	35.77 −21	17.428 240	72.89	38.653 146	57.00 37	51.689 182	99.34 29
2 9.8	45.809 208	35.56 52	17.188 250	72.77 49	38.507 157	56.63 43	51.507 190	99.63 −13
19.7	45.601 205	35.04 78	16.938 245	72.28 85	38.350 155	56.20 49	51.317 187	99.50 55
29.7	45.396 191	34.26 102	16.693 227	71.43 117	38.195 147	55.71 50	51.130 178	98.95 94
3 10.7	45.205 163	33.24 120	16.466 195	70.26 142	38.048 126	55.21 50	50.952 157	98.01 132
20.6	45.042 125	32.04 131	16.271 151	68.84 160	37.922 97	54.71 45	50.795 129	96.69 168
30.6	44.917 78	30.73 137	16.120 95	67.24 172	37.825 60	54.26 36	50.666 93	95.01 201
4 9.6	44.839 24	29.36 135	16.025 33	65.52 175	37.765 18	53.90 24	50.573 51	93.00 231
19.6	44.815 −34	28.01 126	15.992 −35	63.77 170	37.747 −30	53.66 8	50.522 4	90.69 255
29.5	44.849 95	26.75 112	16.027 104	62.07 157	37.777 79	53.58 −10	50.518 −44	88.14 276
5 9.5	44.944 153	25.63 97	16.131 171	60.50 139	37.856 127	53.68 30	50.562 94	85.38 291
19.5	45.097 210	24.70 68	16.302 236	59.11 115	37.983 173	53.98 51	50.656 143	82.47 298
29.5	45.307 260	24.02 42	16.538 293	57.96 87	38.156 216	54.49 72	50.799 187	79.49 302
6 8.4	45.567 304	23.60 12	16.831 344	57.09 54	38.372 252	55.21 91	50.986 229	76.47 296
18.4	45.871 339	23.48 17	17.175 385	56.55 22/13	38.624 282	56.12 109	51.215 263	73.51 283
28.4	46.210 367	23.65 46	17.560 416	56.33	38.906 305	57.21 124	51.478 292	70.68 264
7 8.3	46.577 385	24.11 75	17.976 439	56.46 47	39.211 321	58.45 136	51.770 312	68.04 237
18.3	46.962 395	24.86 100	18.415 450	56.93 79	39.532 329	59.81 144	52.082 326	65.67 205
28.3	47.357 396	25.86 124	18.865 452	57.72 109	39.861 331	61.25 147	52.408 330	63.62 165
8 7.3	47.753 389	27.10 143	19.317 446	58.81 137	40.192 326	62.72 148	52.738 329	61.97 121
17.2	48.142 377	28.53 160	19.763 432	60.18 161	40.518 314	64.20 143	53.067 320	60.76 75
27.2	48.519 359	30.13 174	20.195 412	61.79 183	40.832 300	65.63 136	53.387 304	60.01 25
9 6.2	48.878 335	31.87 183	20.607 386	63.62 199	41.132 280	66.99 127	53.691 283	59.76 −24
16.2	49.213 308	33.70 190	20.993 355	65.61 213	41.412 258	68.26 114	53.974 257	60.00 71
26.1	49.521 278	35.60 193	21.348 321	67.74 223	41.670 233	69.40 101	54.231 228	60.71 116
10 6.1	49.799 246	37.53 193	21.669 282	69.97 230	41.903 206	70.41 87	54.459 195	61.87 155
16.1	50.045 210	39.46 190	21.951 241	72.27 231	42.109 178	71.28 73	54.654 160	63.42 186
26.0	50.255 172	41.36 184	22.192 196	74.58 229	42.287 149	72.01 59	54.814 123	65.28 211
11 5.0	50.427 133	43.20 177	22.388 150	76.87 224	42.436 117	72.60 47	54.937 87	67.39 225
14.9	50.560 91	44.97 164	22.538 99	79.11 213	42.553 85	73.07 35	55.024 48	69.64 231
24.9	50.651 47	46.61 150	22.637 47	81.24 197	42.638 51	73.42 24	55.072 10	71.95 226
12 4.9	50.698 −3	48.11 132	22.684 −5	83.21 178	42.689 −17	73.66 15	55.082 −27	74.21 213
14.9	50.701 −42	49.43 110	22.679 58	84.99 152	42.706 −19	73.81 4/5	55.055 64	76.34 193
24.9	50.659 84	50.53 85	22.621 109	86.51 122	42.687 53	73.86	54.991 97	78.27 184
34.8	50.575	51.38	22.512	87.73	42.634	73.80	54.894	79.91
平位	s 46.558	″ 24.74	s 18.048	″ 59.20	s 39.021	″ 53.07	s 51.650	″ 87.70
Sec.δ Tanδ	+1.320	+0.862	+1.537	+1.167	+1.061	+0.355	+1.145	−0.559
2回正中	11月 7日		11月 7日		11月 8日		11月 8日	
a b	+0.1948	+0.0398	+0.2096	+0.0538	+0.1707	+0.0161	+0.1259	−0.0252
a′ b′	+0.6922	−0.7217	+0.6906	−0.7233	+0.6799	−0.7333	+0.6760	−0.7369
FK3番号	111		112		114		117	

本初子午線正中時

星名	94 Ceti		38 G. Horo		48 H. Ceph		82 G. Erid	
等級 スペクトル型	5.14	F8	5.72	N0	5.50	F0	4.30	G5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 3 10	° ′ −1 23	h m 3 11	° ′ −57 30	h m 3 13	° ′ +77 32	h m 3 17	° ′ −43 15
	s	″	s	″	s	″	s	″
1 0.9	7.118 74	22.84 82	15.479 283	69.70 162	39.73 62	63.80 209	51.940 163	73.98 165
10.8	7.044 101	23.66 70	15.196 222	71.32 111	39.11 74	65.89 158	51.777 194	75.63 119
20.8	6.943 123	24.36 57	14.874 349	72.43 54	38.37 83	67.47 102	51.583 219	76.82 70
30.8	6.820 140	24.93 43	14.525 367	72.97 2	37.54 90	68.49 43	51.364 236	77.52 21
2 9.8	6.680 148	25.36 27	14.158 371	72.95 58	36.64 91	68.92 19	51.128 243	77.73 31
19.7	6.532 148	25.63 9	13.787 362	72.37 113	35.73 89	68.75 74	50.885 241	77.42 80
29.7	6.384 140	25.72 8	13.425 343	71.24 163	34.84 84	68.01 129	50.644 228	76.62 127
3 10.7	6.244 122	25.64 28	13.082 310	69.61 211	34.00 73	66.72 176	50.416 206	75.35 172
20.6	6.122 96	25.36 49	12.772 267	67.50 252	33.27 60	64.96 215	50.210 173	73.63 213
30.6	6.026 62	24.87 69	12.505 212	64.98 290	32.67 44	62.81 245	50.037 133	71.50 250
4 9.6	5.964	24.18 91	12.293 151	62.08 319	32.23 26	60.36 264	49.904 84	69.00 280
19.6	5.941 23	23.27 113	12.142 82	58.89 343	31.97 7	57.72 273	49.820 32	66.20 306
29.5	5.961 20	22.14 133	12.060 9	55.46 359	31.90 72	54.99 272	49.788 25	63.14 326
5 9.5	6.027	20.81 152	12.051	51.87 367	32.02	52.27 260	49.813	59.88 337
19.5	6.138 111	19.29 169	12.114 63	48.20 367	32.33 31	49.67 239	49.894 81	56.51 343
29.5	6.292 154	17.60 182	12.252 138	44.53 359	32.83 50	47.28 211	50.032 138	53.08 340
6 8.4	6.487 195	15.78 191	12.459 207	40.94 342	33.49 66	45.17 177	50.224 192	49.68 329
18.4	6.718 231	13.87 195	12.732 273	37.52 316	34.30 81	43.40 137	50.465 241	46.39 310
28.4	6.977 259	11.92 196	13.063 331	34.36 283	35.23 93	42.03 93	50.749 284	43.29 284
7 8.3	7.260 283	9.96 189	13.443 380	31.53 241	36.27 104	41.10 47	51.068 319	40.45 249
18.3	7.559 299	8.07 179	13.862 419	29.12 194	37.38 111	40.63 1	51.416 348	37.96 208
28.3	7.866 307	6.28 163	14.310 448	27.18 141	38.54 116	40.62 47	51.783 367	35.88 160
8 7.3	8.176 310	4.65 143	14.773 463	25.77 83	39.72 118	41.09 93	52.161 378	34.28 109
17.2	8.482 306	3.22 118	15.241 468	24.94 22	40.91 117	42.02 136	52.539 371	33.19 53
27.2	8.778 296	2.04 91	15.700 459	24.72 39	42.08 112	43.38 179	52.910 355	32.66 3
9 6.2	9.060 282	1.13 62	16.139 439	25.11 98	43.20 106	45.17 217	53.265 332	32.69 60
16.2	9.323 263	0.51 32	16.546 407	26.09 154	44.26 97	47.34 251	53.597 302	33.29 113
26.1	9.564 241	0.19 4	16.911 365	27.63 206	45.23 88	49.85 281	53.899 267	34.42 163
10 6.1	9.781 217	0.15 24	17.226 315	29.89 247	46.11 76	52.66 306	54.166 226	36.05 206
16.1	9.972 191	0.39 47	17.483 257	32.16 281	46.87 63	55.72 324	54.392 183	38.11 240
26.0	10.135 163	0.86 67	17.677 194	34.97 304	47.50 49	58.96 336	54.575 137	40.51 266
11 5.0	10.270 135	1.53 82	17.804 127	38.01 312	47.99 32	62.32 341	54.712 89	43.17 279
14.9	10.374 104	2.35 93	17.861 57	41.14 312	48.31 16	65.73 338	54.801 40	45.96 282
24.9	10.448 74	3.28 97	17.849 12	44.26 297	48.47 1	69.11 325	54.841 7	48.78 274
12 4.9	10.490 42	4.25 99	17.769 80	47.23 272	48.46 19	72.36 305	54.834 54	51.52 255
14.9	10.499 9	5.24 95	17.626 143	49.96 237	48.27 36	75.41 275	54.780 99	54.07 227
24.9	10.476 23	6.19 88	17.423 203	52.33 194	47.91 51	78.16 235	54.681 139	56.34 191
34.9	10.422 54	7.07	17.167 256	54.27	47.40	80.51	54.542	58.25
平位	s 7.035	″ 21.60	s 13.891	″ 56.14	s 38.687	″ 48.19	s 51.051	″ 63.04
Sec δ Tan δ	+1.000	−0.024	+1.862	−1.571	+4.637	+4.528	+1.373	−0.941
2回正中	11月 8日		11月 8日		11月 9日		11月 10日	
a b	+0.1521	−0.0011	+0.0758	−0.0703	+0.3791	+0.2004	+0.1056	−0.0408
a′ b′	+0.6752	−0.7376	+0.6716	−0.7409	+0.6638	−0.7479	+0.6499	−0.7600
FK3番号	116		118		115		119	

本初子午線正中時

星名	α Pers		o Taur		ξ Taur		2 H. Caml	
等級 スペクトル型	1.90	F5	3.80	G5	3.75	B8	4.42	B9p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 3 20	° ′ +49 40	h m 3 21	° ′ +8 50	h m 3 24	° ′ +9 33	h m 3 24	° ′ +59 45
	s	″	s	″	s	″	s	″
1 0.9	35.919 131	51.98 115	60.726 65	51.98 49	20.890 64	12.31 46	50.537 189	53.25 157
10.8	35.788 177	53.13 80	60.661 94	51.49 47	20.826 93	11.85 45	50.348 249	54.82 118
20.8	35.611 215	53.93 44	60.567 120	51.02 44	20.733 119	11.40 42	50.099 297	56.00 73
30.8	35.396 242	54.37 5	60.447 138	50.58 40	20.614 138	10.98 39	49.802 330	56.73 26
2 9.8	35.154 256	54.42 34	60.309 151	50.18 35	20.476 151	10.59 35	49.472 349	56.99 21
19.7	34.898 255	54.08 69	60.158 152	49.83 28	20.325 153	10.24 29	49.123 348	56.78 66
29.7	34.643 242	53.39 102	60.006 145	49.55 20	20.172 146	9.95 21	48.775 330	56.12 108
3 10.7	34.401 212	52.37 130	59.861 129	49.35 10	20.026 130	9.74 12	48.445 292	55.04 145
20.7	34.189 171	51.07 151	59.732 103	49.25 3	19.896 105	9.62 0	48.153 239	53.59 174
30.6	34.018 118	49.56 165	59.629 70	49.28 17	19.791 72	9.62 14	47.914 172	51.85 195
4 9.6	33.900 57	47.91 171	59.559 31	49.45 35	19.719 32	9.76 30	47.742 95	49.90 209
19.6	33.843 11	46.20 169	59.528 14	49.80 52	19.687 12	10.06 48	47.647 11	47.82 213
29.5	33.854 79	44.51 161	59.542 60	50.32 71	19.699 58	10.54 67	47.636 76	45.69 202
5 9.5	33.933 148	42.90 145	59.602 106	51.03 90	19.757 105	11.21 85	47.712 163	43.62 195
19.5	34.081 214	41.45 123	59.708 150	51.93 108	19.862 149	12.06 104	47.875 245	41.67 174
29.5	34.295 273	40.22 98	59.858 193	53.01 125	20.011 [illegible]	13.10 120	48.120 322	39.93 149
6 8.4	34.568 327	39.24 68	60.051 228	54.26 139	20.20 [illegible]	14.30 135	48.442 389	38.44 118
18.4	34.895 370	38.56 36	60.279 260	55.65 150	20.430 [illegible]	15.65 146	48.831 445	37.26 84
28.4	35.265 406	38.20 4	60.539 283	57.15 158	20.689 [illegible]	17.11 154	49.276 492	36.42 47
7 8.4	35.671 430	38.16 24	60.822 301	58.73 160	20.972 301	18.65 157	49.768 525	35.95 9
18.3	36.101 446	38.45 60	61.123 311	60.33 158	21.273 312	20.22 159	50.293 547	35.86 28
28.3	36.547 451	39.05 91	61.434 314	61.91 152	21.585 315	21.79 150	50.840 558	36.14 66
8 7.3	36.998 449	39.96 118	61.748 312	63.43 142	21.900 313	23.29 141	51.398 557	36.80 101
17.2	37.447 439	41.14 143	62.060 304	64.85 128	22.213 305	24.70 128	51.955 547	37.81 133
27.2	37.886 421	42.57 165	62.364 291	66.13 110	22.518 292	25.98 110	52.502 528	39.14 165
9 6.2	38.307 399	44.22 184	62.655 274	67.23 90	22.810 276	27.08 92	53.030 501	40.79 191
16.2	38.706 370	46.06 198	62.929 254	68.13 69	23.086 257	28.00 71	53.531 467	42.70 215
26.1	39.076 338	48.04 210	63.183 231	68.82 47	23.343 234	28.71 50	53.998 426	44.85 234
10 6.1	39.414 302	50.14 219	63.414 207	69.29 27	23.577 209	29.21 29	54.424 381	47.19 250
16.1	39.716 262	52.33 223	63.621 181	69.56 7	23.786 184	29.50 11	54.805 328	49.69 262
26.1	39.978 218	54.56 223	63.802 152	69.63 9	23.970 155	29.61 6	55.133 272	52.31 267
11 5.0	40.196 171	56.79 221	63.954 123	69.54 23	24.125 127	29.55 19	55.405 209	54.98 269
14.9	40.367 121	59.00 212	64.077 92	69.31 34	24.252 94	29.36 31	55.614 143	57.67 263
24.9	40.488 68	61.12 201	64.169 59	68.97 42	24.346 62	29.05 38	55.757 72	60.30 252
12 4.9	40.556 13	63.13 183	64.228 25	68.55 47	24.408 28	28.67 43	55.829 0	62.82 235
14.9	40.569 42	64.96 160	64.253 9	68.08 50	24.436 6	28.24 46	55.829 73	65.17 210
24.9	40.527 95	66.56 133	64.244 42	67.58 50	24.430 41	27.78 47	55.756 144	67.27 179
34.9	40.432	67.89	64.202	67.08	24.389	27.31	55.612	69.06
平位	s 35.882	″ 40.38	s +60.666	″ 50.09	s 20.824	″ 10.19	s 50.326	″ 39.99
Sec δ Tan δ	+1.545	+1.178	+1.012	+0.156	+1.014	+0.168	+1.986	+1.715
2回正中	11月 11日		11月 11日		11月 12日		11月 12日	
a b	+0.2136	+0.0501	+0.1613	+0.0066	+0.1621	+0.0071	+0.2425	+0.0717
a′ b′	+0.6408	−0.7677	+0.6360	−0.7717	+0.6281	−0.7781	+0.6265	−0.7795
FK3番号	120		121		123		122	

本初子午線正中時

星名	σ Pers		5 Taur		κ Reti		ε Erid	
等級 スペクトル型	4.55	K0	4.28	K0	4.80	F5	3.81	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 3 26	° ′ +47 48	h m 3 27	° ′ +12 45	h m 3 28	° ′ −63 6	h m 3 30	° ′ −9 37
	s	″	s	″	s	″	s	″
1 0.9	53.887 117	74.21 112	59.950 61	38.65 33	30.06 35	85.84 181	28.948 75	61.91 112
10.8	53.770 162	75.33 80	59.889 93	38.32 36	29.71 39	87.65 127	28.873 104	63.03 92
20.8	53.608 201	76.13 44	59.796 119	37.96 35	29.32 44	88.92 72	28.769 129	63.95 70
30.8	53.407 228	76.57 9	59.677 139	37.61 36	28.88 45	89.64 14	28.640 148	64.65 47
2 9.8	53.179 244	76.66 28	59.538 152	37.25 36	28.43 47	89.78 44	28.492 159	65.12 22
19.7	52.935 246	76.38 62	59.386 156	36.89 32	27.96 46	89.34 100	28.333 161	65.34 4
29.7	52.689 234	75.76 94	59.230 149	36.57 29	27.50 44	88.34 153	28.172 156	65.30 29
3 10.7	52.455 208	74.82 121	59.081 134	36.28 22	27.06 41	86.81 202	28.016 140	65.01 56
20.7	52.247 169	73.61 141	58.947 108	36.06 12	26.65 36	84.79 246	27.876 116	64.45 81
30.6	52.078 119	72.20 154	58.839 75	35.94 2	26.29 30	82.33 285	27.760 84	63.64 107
4 9.6	51.959 61	70.66 161	58.764 34	35.92 13	25.99 23	79.48 316	27.676 46	62.57 132
19.6	51.898 4	69.05 159	58.730 9	36.05 30	25.76 15	76.32 343	27.630 4	61.25 154
29.5	51.902 90	67.46 152	58.739 56	36.35 47	25.61 7	72.89 360	27.626 42	59.71 176
5 9.5	51.972 137	65.94 136	58.795 104	36.82 65	25.54 1	69.29 371	27.668 87	57.95 193
19.5	52.109 201	64.58 117	58.899 148	37.47 84	25.55 11	65.58 373	27.755 132	56.02 208
29.5	52.310 259	63.41 91	59.047 191	38.31 102	25.66 18	61.85 366	27.887 174	53.94 219
6 8.4	52.569 311	62.50 64	59.238 229	39.33 117	25.84 27	58.19 351	28.061 211	51.75 223
18.4	52.880 354	61.86 34	59.467 259	40.50 130	26.11 34	54.68 326	28.272 243	49.52 224
28.4	53.234 390	61.52 3	59.726 285	41.80 141	26.45 40	51.42 294	28.515 268	47.28 218
7 8.4	53.624 415	61.49 28	60.011 303	43.21 146	26.85 45	48.48 254	28.783 288	45.10 206
18.3	54.039 430	61.77 59	60.314 314	44.67 147	27.30 50	45.94 207	29.071 300	43.04 189
28.3	54.469 438	62.36 86	60.628 319	46.14 146	27.80 52	43.87 153	29.371 306	41.15 165
8 7.3	54.907 436	63.22 113	60.947 317	47.60 139	28.32 54	42.34 95	29.677 304	39.50 138
17.2	55.343 428	64.35 136	61.264 309	48.99 128	28.86 53	41.39 34	29.981 298	38.12 106
27.2	55.771 412	65.71 157	61.573 297	50.27 115	29.39 51	41.05 29	30.279 286	37.06 72
9 6.2	56.183 391	67.28 174	61.870 281	51.42 98	29.90 49	41.34 90	30.565 249	36.34 35
16.2	56.574 365	69.02 187	62.151 262	52.40 81	30.39 44	42.24 149	30.834 250	35.99 1
26.1	56.939 334	70.89 199	62.413 240	53.21 63	30.83 39	43.73 202	31.084 226	36.00 36
10 6.1	57.273 301	72.88 206	62.653 215	53.84 45	31.22 32	45.75 248	31.310 202	36.36 69
16.1	57.574 263	74.94 210	62.868 190	54.29 27	31.54 25	48.23 283	31.512 173	37.05 96
26.1	57.837 222	77.04 212	63.058 162	54.56 13	31.79 16	51.06 310	31.685 145	38.01 119
11 5.0	58.059 177	79.16 208	63.220 132	54.69 1	31.95 8	54.16 322	31.830 114	39.20 136
14.9	58.236 129	81.24 201	63.352 101	54.68 11	32.03 0	57.38 323	31.944 81	40.56 145
24.9	58.365 78	83.25 191	63.453 67	54.57 20	32.03 9	60.61 312	32.025 49	42.01 149
12 4.9	58.443 25	85.16 174	63.520 33	54.37 25	31.94 16	63.73 288	32.074 14	43.50 145
14.9	58.468 29	86.90 154	63.553 3	54.12 30	31.78 25	66.61 255	32.088 20	44.95 137
24.9	58.439 82	88.44 128	63.550 37	53.82 33	31.53 30	69.16 211	32.068 54	46.32 123
34.9	58.357	89.72	63.513	53.49	31.23	71.27	32.014	47.55
平位	s 53.822	″ 63.05	s 59.885	″ 35.62	s 27.807	″ 73.09	s 28.704	″ 59.12
Sec δ Tan δ	+1.489	+1.103	+1.025	+0.226	+2.212	−1.973	+1.014	−0.170
2回正中	11月 12日		11月 12日		11月 13日		11月 13日	
a b	+0.2111	+0.0456	+0.1652	+0.0093	+0.0495	−0.0808	+0.1443	−0.0069
a′ b′	+0.6194	−0.7850	+0.6157	−0.7880	+0.6141	−0.7893	+0.6071	−0.7946
FK3番号	124		125		126		127	

本初子午線正中時

星名	45 G. Horo		110 G. Erid		Grb 716 Caml		δ Pers	
等級 スペクトル型	5.60	K0	4.58	K0	5.32	M0	3.10	B5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 3 30	° ′ −50 32	h m 3 35	° ′ −40 27	h m 3 37	° ′ +63 2	h m 3 39	° ′ +47 37
	s	″	s	″	s	″	s	″
1 0.9	62.816 205	86.54 186	14.498 144	48.33 183	37.67 20	74.81 181	12.848 103	34.25 118
10.9	62.611 243	88.40 138	14.354 179	50.16 142	37.47 27	76.62 140	12.745 151	35.43 88
20.8	62.368 275	89.78 87	14.175 208	51.58 94	37.20 33	78.02 96	12.594 192	36.31 56
30.8	62.093 296	90.65 33	13.967 228	52.52 47	36.87 37	78.98 47	12.402 223	36.87 20
2 9.8	61.797 306	90.98 21	13.739 241	52.99 2	36.50 39	79.45 2	12.179 242	37.07 16
19.7	61.491 306	90.77 74	13.498 242	52.97 51	36.11 40	79.43 50	11.937 248	36.91 51
29.7	61.185 294	90.03 125	13.256 235	52.46 99	35.71 38	78.93 95	11.689 238	36.40 82
3 10.7	60.891 271	88.78 173	13.021 216	51.47 143	35.33 34	77.98 137	11.451 216	35.58 110
20.7	60.620 237	87.05 216	12.805 188	50.04 185	34.99 29	76.61 169	11.235 179	34.48 131
30.6	60.383 194	84.89 256	12.617 151	48.19 223	34.70 22	74.92 197	11.056 132	33.17 148
4 9.6	60.189 141	82.33 288	12.466 107	45.96 256	34.48 14	72.95 213	10.924 75	31.69 155
19.6	60.048 84	79.45 317	12.359 57	43.40 284	34.34 4	70.82 224	10.849 12	30.14 157
29.6	59.964 22	76.28 337	12.302 3	40.56 307	34.30 5	68.61 221	10.837 55	28.57 150
5 9.5	59.942 42	72.91 350	12.299 52	37.49 323	34.35 15	66.40 212	10.892 120	27.07 139
19.5	59.984 105	69.41 356	12.351 106	34.26 331	34.50 24	64.28 195	11.012 185	25.68 120
29.5	60.089 168	65.85 354	12.457 159	30.95 333	34.74 33	62.33 171	11.197 244	24.48 98
6 8.4	60.257 225	62.31 342	12.616 208	27.62 326	35.07 40	60.62 143	11.441 298	23.50 72
18.4	60.482 276	58.89 323	12.824 251	24.36 311	35.47 47	59.19 110	11.739 342	22.78 44
28.4	60.758 321	55.66 295	13.075 289	21.25 288	35.94 52	58.09 74	12.081 380	22.34 14
7 8.4	61.079 358	52.71 260	13.364 318	18.37 258	36.46 57	57.35 36	12.461 407	22.20 75
18.3	61.437 383	50.11 216	13.682 339	15.79 220	37.03 59	56.99 3	12.868 426	22.35 45
28.3	61.820 402	47.95 167	14.021 352	13.59 175	37.62 61	57.02 41	13.294 435	22.80 93
8 7.3	62.222 407	46.28 113	14.373 357	11.84 127	38.23 61	57.43 78	13.729 437	23.53 98
17.3	62.629 405	45.15 55	14.730 354	10.57 72	38.84 61	58.21 114	14.166 430	24.51 121
27.2	63.034 391	44.60 5	15.084 343	9.85 17	39.45 59	59.35 147	14.596 418	25.72 142
9 6.2	63.425 369	44.65 65	15.427 324	9.68 39	40.04 57	60.82 178	15.014 399	27.14 159
16.2	63.794 339	45.30 122	15.751 299	10.07 94	40.61 53	62.60 204	15.413 375	28.73 175
26.1	64.133 300	46.52 175	16.050 269	11.01 145	41.14 49	64.64 229	15.788 348	30.48 186
10 6.1	64.433 256	48.27 221	16.319 233	12.46 190	41.63 44	66.93 247	16.136 316	32.34 194
16.1	64.689 206	50.48 258	16.552 195	14.36 228	42.07 38	69.40 263	16.452 279	34.28 201
26.1	64.895 152	53.06 287	16.747 152	16.64 257	42.45 33	72.03 273	16.731 240	36.29 203
11 5.0	65.047 97	55.93 302	16.899 107	19.21 274	42.78 25	74.76 277	16.971 196	38.32 202
15.0	65.144 38	58.95 306	17.006 61	21.95 281	43.03 18	77.53 276	17.167 148	40.34 197
24.9	65.182 79	62.01 299	17.067 15	24.76 278	43.21 10	80.29 269	17.315 96	42.31 188
12 4.9	65.163 74	65.00 281	17.082 32	27.54 264	43.31 2	82.98 253	17.411 43	44.19 175
14.9	65.089 129	67.81 251	17.050 77	30.18 239	43.33 7	85.51 231	17.454 72	45.94 157
24.9	64.960 177	70.32 214	16.973 119	32.57 208	43.26 15	87.82 201	17.442 67	47.51 134
34.9	64.783	72.46	16.854	34.65	43.11	89.83	17.375	48.85
平位	s 61.518	″ 75.52	s 13.601	″ 39.26	s 37.25	″ 61.38	s 12.703	″ 23.30
Sec δ Tan δ	+1.574	−1.215	+1.314	−0.853	+2.206	+1.967	+1.484	+1.096
2回正中	11月 13日		11月 14日		11月 15日		11月 15日	
a b	+0.0888	−0.0490	+0.1075	−0.0336	+0.2600	+0.0763	+0.2130	+0.0421
a′ b′	+0.6052	−0.7961	+0.5905	−0.8070	+0.5821	−0.8132	+0.5764	−0.8172
FK3番号	128		130		129		131	

本初子午線正中時

星名	δ Forn		δ Erid		† o Pers		ν Pers	
等級 スペクトル型	4.93	B5	3.72	K0	3.94	B1	3.93	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 3 40	° ′ −32 5	h m 3 40	° ′ −9 55	h m 3 41	° ′ +32 7	h m 3 41	° ′ +42 24
1 0.9	s 11.389	″ 79.40	s 45.599	″ 79.81	s 3.157	″ 38.41	s 39.261	″ 67.78
10.9	11.279 110	81.15 175	45.532 67	80.97 116	3.091 66	38.93 52	39.177 84	68.95 97
20.8	11.136 143	82.54 139	45.435 97	81.93 96	2.987 104	39.26 33	39.047 130	69.47 72
30.8	10.964 172	83.52 98	45.311 124	82.67 74	2.849 138	39.41 15	38.880 167	69.89 42
					164	6	197	13
2 9.8	10.792	84.07	45.166	83.17	2.685	39.35	38.683	70.02
19.7	10.565 207	84.19 12	45.007 159	83.42 25	2.504 181	39.09 26	38.467 216	69.84 18
29.7	10.356 209	83.87 32	44.844 163	83.42 0	2.318 186	38.65 44	38.246 221	69.37 47
	204	75	160	27	182	61	215	74
3 10.7	10.152	83.12	44.684	83.15	2.136	38.04	38.031	68.63
20.7	9.964 188	81.95 117	44.539 145	82.62 53	1.972 164	37.31 73	37.836 195	67.66 97
30.6	9.801 163	80.40 155	44.416 123	81.82 80	1.836 136	36.49 82	37.674 162	66.51 115
	130	191	93	105	99	86	119	127
4 9.6	9.671	78.49	44.323	80.77	1.737	35.63	37.555	65.24
19.6	9.581 90	76.25 224	44.267 56	79.47 130	1.683 54	34.78 85	37.488 67	63.92 132
29.6	9.537 44	73.73 252	44.254 13	77.93 154	1.680 3	34.00 78	37.479 9	62.61 131
	6	275	31	175	51	68	51	124
5 9.5	9.543	70.98	44.285	76.18	1.731	33.32	37.530	61.37
19.5	9.599 56	68.05 293	44.361 76	74.25 193	1.835 104	32.79 53	37.642 112	60.27 110
29.5	9.705 106	65.02 303	44.483 122	72.16 209	1.992 157	32.45 34	37.813 171	59.33 94
	155	309	163	220	205	14	226	71
6 8.4	9.860	61.93	44.646	69.96	2.197	32.31	38.039	58.62
18.4	10.058 198	58.88 305	44.849 203	67.71 225	2.445 248	32.39 8	38.315 276	58.15 47
28.4	10.296 238	55.92 296	45.084 235	65.44 227	2.731 286	32.69 30	38.632 317	57.94 21
	272	277	262	220	315	51	352	6
7 8.4	10.568	53.15	45.346	63.24	3.046	33.20	38.984	58.00
18.3	10.865 297	50.64 251	45.629 283	61.14 210	3.384 338	33.90 70	39.361 377	58.32 32
28.3	11.182 317	48.45 219	45.926 297	59.21 193	3.736 352	34.79 89	39.755 394	58.89 57
	328	180	305	170	359	103	403	81
8 7.3	11.510	46.65	46.231	57.51	4.095	35.82	40.158	59.70
17.3	11.841 331	45.29 136	46.536 305	56.09 142	4.455 360	36.97 115	40.562 404	60.72 102
27.2	12.170 329	44.42 87	46.831 301	54.98 111	4.809 354	38.22 125	40.961 399	61.93 121
	319	36	291	76	343	130	387	137
9 6.2	12.489	44.06	47.128	54.22	5.152	39.52	41.348	63.30
16.2	12.992 303	44.23 17	47.404 276	53.83 39	5.480 328	40.85 133	41.718 370	64.80 150
26.1	13.073 281	44.90 67	47.663 259	53.81 2	5.788 308	42.19 134	42.067 349	66.39 159
	255	117	237	33	286	132	323	168
10 6.1	13.328	46.07	47.900	54.14	6.074	43.51	42.390	68.07
16.1	13.554 226	47.66 159	48.112 212	54.81 67	6.335 261	44.81 130	42.685 295	69.79 172
26.1	13.745 191	49.63 197	48.299 187	55.76 95	6.567 232	46.06 125	42.947 262	71.54 175
	156	225	158	120	202	120	226	176
11 5.0	13.901	51.88	48.457	56.96	6.769	47.26	43.173	73.30
15.0	14.018 117	54.32 244	48.584 127	58.32 136	6.936 167	48.39 113	43.360 187	75.02 172
24.9	14.095 78	56.85 253	48.680 96	59.79 147	7.067 131	49.45 106	43.503 143	76.69 167
	36	253	61	152	92	98	98	159
12 4.9	14.131	59.38	48.741	61.31	7.159	50.43	43.601	78.28
14.9	14.125 6	61.81 243	48.768 27	62.79 148	7.209 50	51.29 86	43.650 49	79.75 147
24.9	14.078 47	64.04 223	48.759 9	64.20 141	7.215 6	52.04 75	43.649 1	81.05 130
34.9	13.992 86	66.00 196	48.715 44	65.47 127	7.179 36	52.64 60	43.597 52	82.15 110
中位	s 10.707	″ 72.23	s 45.300	″ 77.47	s 3.074	″ 30.63	s 39.141	″ 57.86
Sec.&Tang	+1.181	−0.627	+1.015	−0.175	+1.181	+0.628	+1.355	+0.914
2回正中	11月 16日		11月16日		11月16日		11月16日	
a b	+0.1191	−0.0240	+0.1437	−0.0067	+0.1877	+0.0239	+0.2035	+0.0346
a′ b′	+0.5729	−0.8196	+0.5709	−0.8210	+0.5698	−0.8218	+0.5677	−0.8233
FK3番号	133		135		132		134	

本初子午線正中時

星名	17 Taur		24 Erid		β Reti		η Taur	
等級 スペクトル型	3.81	B5p	5.09	B8	3.80	K0	2.96	B5p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 3 41	° ′ +23 57	h m 3 41	° ′ −1 19	h m 3 43	° ′ −64 57	h m 3 44	° ′ +23 56
1 0.9	s 47.021	″ 11.12	s 52.073	″ 33.01	s 35.02	″ 84.17	s 23.392	″ 51.20
10.9	46.965 56	11.27 15	52.016 57	33.90 89	34.65 37	86.16 199	23.337 55	51.35 15
20.8	46.872 93	11.31 4	51.928 88	34.67 77	34.23 42	87.64 148	23.247 90	51.41 6
30.8	46.749 123	11.24 7	51.812 116	35.29 62	33.77 44	88.56 92	23.124 123	51.35 6
	148	18	138	48	50	34	147	17
2 9.8	46.601	11.06	51.674	35.77	33.27	88.90	22.977	51.18
19.7	46.436 165	10.77 29	51.523 151	36.09 32	32.76 51	88.67 23	22.812 165	50.90 28
29.7	46.266 170	10.38 39	51.365 158	36.23 14	32.25 51	87.87 80	22.642 170	50.52 38
	166	47	154	4	50	134	167	46
3 10.7	46.100	9.91 52	51.211	36.19 23	31.75	86.53 184	22.475	50.06
20.7	45.950 150	9.39 53	51.071 140	35.96 43	31.29 46	84.69 230	22.323 152	49.56 50
30.6	45.825 125	8.86 51	50.953 118	35.53 64	30.88 41	82.39 271	22.196 127	49.03 53
	91		89		36		93	50
4 9.6	45.734	8.35 44	50.864	34.89 85	30.52	79.68 305	22.103	48.53
19.6	45.685 49	7.91 35	50.813 51	34.04 105	30.23 29	76.63 333	22.052 51	48.09 44
29.6	45.683 2	7.56 21	50.804 9	32.99 125	30.03 20	73.30 354	22.048 4	47.75 34
	48		35		12		45	21
5 9.5	45.731	7.35 4	50.839	31.74 144	29.91	69.76	22.093	47.54
19.5	45.828 97	7.31 13	50.920 81	30.30 161	29.88 3	66.10 366	22.188 95	47.49 5
29.5	45.975 147	7.44 33	51.045 125	28.69 174	29.95 7	62.39 371	22.332 144	47.61 12
	192		167		16	368	189	32
6 8.4	46.167	7.77 51	51.212	26.95 183	30.11	58.71	22.521	47.93
18.4	46.399 232	8.28 70	51.417 205	25.12 189	30.35 24	55.17 354	22.752 231	48.43 50
28.4	46.666 267	8.98 86	51.655 238	23.23 189	30.67 32	51.84 333	23.017 265	49.17 68
	296		240		39	303	294	85
7 8.4	46.912	9.84 100	51.919	21.34 185	31.06	48.81	23.311	49.96
18.3	47.278 316	10.84 111	52.203 284	19.49 174	31.52 46	46.17 264	23.626 315	50.94 98
28.3	47.607 329	11.95 119	52.501 298	17.75 159	32.02 50	43.98 219	23.954 328	52.03 109
	337		304		54	167	336	117
8 7.3	47.944	13.14 123	52.805	16.16 140	32.56	42.31	24.290	53.20
17.3	48.280 336	14.37 124	53.111 306	14.76 116	33.12 56	41.22 109	24.627 337	54.41 121
27.2	48.612 332	15.61 122	53.412 301	13.60 88	33.68 56	40.74 48	24.958 331	55.63 122
	320		291		55	75	322	120
9 6.2	48.932	16.83 116	53.703	12.72 60	34.23	40.89	25.280	56.83
16.2	49.239 307	17.99 110	53.980 277	12.12 29	34.76 53	41.66 77	25.588 308	57.98 115
26.1	49.527 288	19.09 102	54.240 260	11.83 0	35.24 48	43.04 138	25.877 289	59.06 108
	267		240		43	193	270	100
10 6.1	49.794	20.11 92	54.480	11.83 28	35.67	44.97	26.147	60.06
16.1	50.038 244	21.03 82	54.697 217	12.11 52	36.03 36	47.38 241	26.392 245	60.96 90
26.1	50.255 217	21.85 73	54.889 192	12.63 74	36.32 29	50.18 280	26.612 220	61.77 81
	189		144		20	310	192	72
11 5.0	50.444	22.58 64	55.053	13.37 89	36.52	53.28	26.804	62.49
15.0	50.602 158	23.22 55	55.189 136	14.26 101	36.64 12	56.53 325	26.944 160	63.12 63
24.9	50.726 124	23.77 46	55.293 104	15.27 106	36.66 2	59.83 330	27.091 127	63.66 54
	87		71		8	322	91	46
12 4.9	50.813	24.23 39	55.344	16.33 107	36.58	63.05	27.182	64.12
14.9	50.863 50	24.62 29	55.401 37	17.40 103	36.42 16	66.06 301	27.234 52	64.50 38
24.9	50.873 10	24.91 20	55.402 1	18.43 96	36.18 24	68.76 270	27.247 13	64.80 30
34.9	50.843 30	25.11	55.369 33	19.39	35.86 32	71.05 229	27.219 28	65.00 20
中位	s 44.933	″ 5.18	s 51.852	″ 32.84	s 32.406	″ 72.59	s 23.291	″ 45.23
Sec.&Tang	+1.094	+0.444	+1.000	−0.023	+2.344	−2.142	+1.094	+0.444
2回正中	11月16日		11月16日		11月16日		11月17日	
a b	+0.1777	+0.0168	+0.1521	−0.0009	+0.0351	−0.0801	+0.1779	+0.0165
a′ b′	+0.5672	−0.8236	+0.5669	−0.8238	+0.5609	−0.8279	+0.5578	−0.8300
FK3番号	136		137		141		139	

本初子午線正中時

星名	τ⁶ Erid				γ Caml				27 Taur				138 G.Erid			
等級 スペクトル型	4.33		F8		4.67		A0		3.80		B8		4.24		K0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 3 44		° ′ -23 23		h m 3 44		° ′ +71 10		h m 3 46		° ′ +23 53		h m 3 47		° ′ -36 20	
	s		″		s		″		s		″		s		″	
1 0.9	37.074	85	72.87	161	50.84	31	43.56	216	4.004	54	51.56	15	31.227	119	91.30	189
10.9	36.989	118	74.48	130	50.53	40	45.72	173	3.950	89	51.71	6	31.108	156	93.19	150
20.8	36.871	146	75.78	97	50.13	49	47.45	125	3.861	122	51.77	5	30.952	186	94.69	107
30.8	36.725	167	76.75	61	49.64	54	48.70	73	3.739	147	51.72	17	30.766	209	95.76	62
2 9.8	36.558	182	77.36	25	49.10	58	49.43	16	3.592	164	51.55	27	30.557	223	96.38	15
19.7	36.376	186	77.61	14	48.52	59	49.59	37	3.428	171	51.28	37	30.334	228	96.53	31
29.7	36.190	183	77.47	51	47.93	57	49.22	89	3.257	167	50.91	45	30.106	224	96.22	77
3 10.7	36.007	169	76.96	87	47.36	51	48.33	137	3.090	153	50.46	49	29.882	208	95.45	121
20.7	35.838	146	76.09	121	46.85	44	46.96	177	2.937	128	49.97	52	29.674	183	94.24	162
30.6	35.692	115	74.88	155	46.41	35	45.19	209	2.809	94	49.45	50	29.491	149	92.62	200
4 9.6	35.577	77	73.33	186	46.06	23	43.10	233	2.715	53	48.95	43	29.342	108	90.62	234
19.6	35.500	34	71.47	212	45.83	10	40.77	247	2.662	6	48.52	34	29.234	62	88.28	264
29.6	35.466	12	69.35	235	45.73	2	38.30	251	2.656	44	48.18	21	29.172	10	85.64	287
5 9.5	35.478	60	67.00	254	45.75	16	35.79	245	2.700	93	47.97	5	29.162	47	82.77	306
19.5	35.538	107	64.46	267	45.91	28	33.34	231	2.793	142	47.92	12	29.203	95	79.71	316
29.5	35.645	153	61.79	275	46.19	40	31.03	210	2.935	188	48.04	31	29.298	144	76.55	321
6 8.4	35.798	193	59.04	276	46.59	51	28.93	182	3.123	229	48.35	50	29.442	193	73.34	318
18.4	35.991	230	56.28	270	47.10	61	27.11	148	3.352	244	48.85	67	29.635	233	70.16	306
28.4	36.221	241	53.58	258	47.71	68	25.63	112	3.616	293	49.52	84	29.868	271	67.10	287
7 8.4	36.482	285	51.00	237	48.39	75	24.51	71	3.909	313	50.36	97	30.139	299	64.23	260
18.3	36.767	302	48.63	211	49.14	79	23.80	29	4.222	328	51.33	109	30.438	321	61.63	226
28.3	37.069	312	46.52	178	49.93	82	23.51	13	4.550	336	52.42	115	30.759	335	59.37	184
8 7.3	37.381	315	44.74	140	50.75	84	23.64	55	4.886	336	53.57	120	31.094	342	57.53	138
17.3	37.696	312	43.34	97	51.59	83	24.19	96	5.222	332	54.77	121	31.436	340	56.15	88
27.2	38.008	303	42.37	52	52.42	81	25.15	135	5.554	322	55.98	119	31.776	331	55.27	33
9 6.2	38.311	289	41.85	5	53.23	78	26.50	171	5.876	309	57.17	114	32.107	317	54.94	22
16.2	38.600	270	41.80	42	54.01	74	28.21	205	6.185	290	58.31	106	32.424	295	55.16	75
26.1	38.870	247	42.22	87	54.75	68	30.26	235	6.475	271	59.37	99	32.719	269	55.91	126
10 6.1	39.117	221	43.09	126	55.43	61	32.61	260	6.746	247	60.36	89	32.988	238	57.17	172
16.1	39.338	191	44.35	161	56.04	54	35.21	281	6.993	221	61.25	80	33.226	203	58.89	211
26.1	39.529	160	45.96	190	56.58	45	38.02	297	7.214	194	62.05	70	33.429	164	61.00	241
11 5.0	39.689	125	47.86	208	57.03	35	40.99	306	7.408	162	62.75	62	33.593	124	63.41	261
15.0	39.814	90	49.94	219	57.38	24	44.05	308	7.570	129	63.37	54	33.717	81	66.02	271
24.9	39.904	52	52.13	222	57.62	12	47.13	304	7.699	92	63.91	45	33.798	36	68.73	271
12 4.9	39.956	14	54.35	214	57.74	1	50.17	290	7.791	54	64.36	38	33.834	8	71.44	260
14.9	39.970	25	56.49	200	57.75	11	53.07	268	7.845	14	64.74	29	33.826	52	74.04	240
24.9	39.945	61*	58.49	178	57.64	23	55.75	237	7.859	26	65.03	21	33.774	94	76.44	211
34.9	39.884		60.27		57.41		58.12		7.833		65.24		33.680		78.55	
中位	s 36.556		″ 67.74		s 49.913		″ 29.38		s 3.895		″ 45.61		s 30.398		″ 83.83	
Sec δ Tan δ	+1.090		-0.433		+3.099		+2.933		+1.094		+0.443		+1.242		-0.736	
2回正中	11月 17日				11月 17日				11月 17日				11月 17日			
a b	+0.1294		-0.0161		+0.3159		+0.1088		+0.1780		+0.0163		+0.1122		-0.0268	
a′ b′	+0.5570		-0.8305		+0.5562		-0.8311		+0.5517		-0.8340		+0.5464		-0.8375	
FK3番号	140				138				142				143			

本初子午線正中時

星名	γ Hydi				ζ Pers				＋9 H.Caml				ε Pers			
等級 スペクトル型	3.17		M0		2.91		B1		5.22		K0,A0		2.96		B1	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 3 47		° ′ -74 23		h m 3 50		° ′ +31 43		h m 3 52		° ′ +60 57		h m 3 54		° ′ +39 51	
	s		″		s		″		s		″		s		″	
1 0.9	66.05	63	67.21	195	51.556	57	58.80	52	41.61	15	44.64	183	21.568	67	50.88	92
10.9	65.42	73	69.16	144	51.499	97	59.32	37	41.46	23	46.47	147	21.501	111	51.80	70
20.8	64.69	80	70.60	86	51.402	132	59.69	19	41.23	28	47.94	105	21.390	151	52.50	44
30.8	63.84	84	71.46	29	51.270	160	59.88	1	40.95	34	48.99	61	21.239	182	52.94	19
2 9.8	63.05	86	71.75	29	51.110	179	59.87	19	40.61	36	49.60	14	21.057	204	53.13	10
19.8	62.19	85	71.46	86	50.931	187	59.68	37	40.25	36	49.74	33	20.853	213	53.03	36
29.7	61.34	83	70.60	140	50.744	184	59.31	54	39.89	36	49.41	77	20.640	209	52.67	60
3 10.7	60.51	78	69.20	190	50.560	169	58.77	67	39.53	34	48.64	118	20.431	192	52.07	83
20.7	59.73	71	67.30	235	50.391	142	58.10	76	39.19	28	47.46	152	20.239	164	51.24	99
30.6	59.02	62	64.95	275	50.249	107	57.34	81	38.91	22	45.94	180	20.075	125	50.25	110
4 9.6	58.40	51	62.20	308	50.142	62	56.53	80	38.69	15	44.14	198	19.950	76	49.15	117
19.6	57.89	40	59.12	335	50.080	13	55.73	75	38.54	6	42.16	209	19.874	21	47.98	116
29.6	57.49	26	55.77	355	50.067	40	54.98	66	38.48	3	40.07	211	19.853	36	46.82	110
5 9.5	57.23	12	52.22	366	50.107	94	54.32	52	38.51	11	37.96	205	19.889	95	45.72	99
19.5	57.11	1	48.56	370	50.201	146	53.80	35	38.62	21	35.91	192	19.984	153	44.73	83
29.5	57.12	15	44.86	365	50.347	195	53.45	16	38.83	28	33.99	171	20.137	206	43.90	64
6 8.5	57.27	29	41.21	352	50.542	239	53.29	6	39.11	36	32.28	145	20.343	256	43.26	42
18.4	57.56	42	37.69	329	50.781	277	53.33	25	39.47	43	30.83	116	20.599	297	42.84	18
28.4	57.98	53	34.40	298	51.058	308	53.58	45	39.90	48	29.67	82	20.896	332	42.66	6
7 8.4	58.51	64	31.42	259	51.366	331	54.03	65	40.38	52	28.85	48	21.228	359	42.72	29
18.3	59.15	71	28.83	212	51.697	347	54.68	81	40.90	55	28.37	11	21.587	377	43.01	52
28.3	59.86	78	26.71	160	52.044	357	55.49	95	41.45	57	28.26	25	21.964	387	43.53	74
8 7.3	60.64	82	25.11	103	52.401	358	56.44	107	42.02	58	28.51	61	22.351	392	44.27	91
17.3	61.46	83	24.08	41	52.759	355	57.51	115	42.60	58	29.12	94	22.743	388	45.18	108
27.2	62.29	83	23.67	22	53.114	345	58.66	121	43.18	57	30.06	126	23.131	379	46.26	122
9 6.2	63.12	78	23.89	84	53.459	332	59.87	124	43.75	54	31.32	155	23.510	365	47.48	133
16.2	63.90	73	24.73	143	53.791	313	61.11	125	44.29	52	32.87	183	23.875	347	48.81	141
26.2	64.63	64	26.16	199	54.104	293	62.36	124	44.81	49	34.70	206	24.222	324	50.22	148
10 6.1	65.27	54	28.15	247	54.397	269	63.60	121	45.30	44	36.76	225	24.546	298	51.70	151
16.1	65.81	41	30.62	285	54.666	242	64.81	117	45.74	39	39.01	242	24.844	269	53.21	154
26.1	66.22	27	33.47	313	54.908	212	65.98	112	46.13	34	41.43	254	25.113	235	54.75	154
11 5.0	66.49	13	36.60	328	55.120	178	67.10	107	46.47	27	43.97	261	25.348	198	56.29	152
15.0	66.62	2	39.88	332	55.298	143	68.17	101	46.74	21	46.58	262	25.546	158	57.81	149
24.9	66.60	18	43.20	322	55.441	103	69.18	93	46.95	13	49.20	257	25.704	113	59.30	142
12 4.9	66.42	32	46.42	301	55.544	61	70.11	84	47.08	5	51.77	245	25.817	66	60.72	132
14.9	66.10	45	49.43	268	55.605	17	70.95	74	47.13	3	54.22	227	25.883	17	62.04	119
24.9	65.65	58	52.11	226	55.622	27	71.69	60	47.10	10	56.49	202	25.900	33	63.23	102
34.9	65.07		54.37		55.595		72.29		47.00		58.51		25.867		64.25	
中位	s 61.340		″ 55.46		s 51.425		″ 51.13		s 41.120		″ 31.88		s 21.390		″ 41.61	
Sec δ Tan δ	+3.719		-3.582		+1.176		+0.618		+2.060		+1.801		+1.303		+0.835	
2回正中	11月 18日				11月 18日				11月 19日				11月 19日			
a b	-0.0449		-0.1300		+0.1882		+0.0220		+0.2554		+0.0633		+0.2008		+0.0240	
a′ b′	+0.5446		-0.8387		+0.5341		-0.8454		+0.5274		-0.8496		+0.5212		-0.8535	
FK3番号	146				144				145				147			

本初子午線正中時

星名	ε Pers				r Erid				λ Taur				ν Taur			
等級 スペクトル型	4.05		Oe 5		3.19		K5		3.8–4.1		B3		3.94		A0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 3 55		° ′ +35 38		h m 3 55		° ′ −13 38		h m 3 57		° ′ +12 20		h m 4 0		° ′ +5 50	
	s		″		s		″		s		″		s		″	
1 0.9	35.210	58	44.14	73	36.496	61	81.06	138	47.927	41	45.07	35	23.438	40	49.56	64
10.9	35.152	100	44.87	54	36.435	94	82.44	115	47.886	77	44.72	35	23.398	76	48.92	57
20.8	35.052	139	45.41	33	36.341	124	83.59	90	47.809	108	44.37	33	23.322	107	48.35	50
30.8	34.913	168	45.74	10	36.217	147	84.49	63	47.701	134	44.04	31	23.215	132	47.85	41
2 9.8	34.745	190	45.84	12	36.070	164	85.12	33	47.567	152	43.73	29	23.083	150	47.44	33
19.8	34.555	198	45.72	35	35.906	170	85.45	5	47.415	160	43.44	26	22.933	159	47.11	22
29.7	34.357	196	45.37	55	35.736	170	85.50	25	47.255	160	43.18	22	22.774	158	46.89	11
3 10.7	34.161	180	44.82	73	35.566	158	85.25	55	47.095	148	42.96	16	22.616	148	46.78	2
20.7	33.981	154	44.09	85	35.408	137	84.70	83	46.947	127	42.80	8	22.468	128	46.80	15
30.6	33.827	117	43.24	94	35.271	109	83.87	112	46.820	97	42.72	2	22.340	99	46.95	29
4 9.6	33.710	71	42.30	98	35.162	73	82.75	139	46.723	60	42.74	15	22.241	63	47.24	47
19.6	33.639	19	41.32	94	35.089	31	81.36	164	46.663	18	42.89	28	22.178	22	47.71	63
29.6	33.620	35	40.38	88	35.058	12	79.72	186	46.645	28	43.17	45	22.156	23	48.34	81
5 9.5	33.655	91	39.50	76	35.070	58	77.86	206	46.673	75	43.62	61	22.179	68	49.15	99
19.5	33.746	145	38.74	59	35.128	104	75.80	221	46.748	121	44.23	78	22.247	113	50.14	114
29.5	33.891	197	38.15	40	35.232	147	73.59	232	46.869	164	45.01	93	22.360	157	51.28	130
6 8.5	34.088	244	37.75	20	35.379	187	71.27	237	47.033	204	45.94	108	22.517	195	52.58	142
18.4	34.332	283	37.55	2	35.566	221	68.90	237	47.237	238	47.02	120	22.712	229	54.00	150
28.4	34.615	316	37.57	24	35.787	252	66.53	230	47.475	266	48.22	128	22.941	258	55.50	156
7 8.4	34.931	342	37.81	45	36.039	274	64.23	218	47.741	289	49.50	134	23.199	279	57.06	156
18.3	35.273	359	38.26	65	36.313	291	62.05	199	48.030	303	50.84	134	23.478	295	58.62	152
28.3	35.632	369	38.91	82	36.604	302	60.06	174	48.333	312	52.18	132	23.773	305	60.14	144
8 7.3	36.001	373	39.73	97	36.906	305	58.32	144	48.645	315	53.50	126	24.078	308	61.58	131
17.3	36.374	369	40.70	109	37.211	304	56.88	109	48.960	313	54.76	115	24.386	306	62.89	114
27.2	36.743	361	41.79	119	37.515	296	55.79	71	49.273	305	55.91	101	24.692	299	64.03	94
9 6.2	37.104	348	42.98	125	37.811	284	55.08	32	49.578	293	56.92	85	24.991	288	64.97	72
16.2	37.452	330	44.23	131	38.095	268	54.76	9	49.871	279	57.77	67	25.279	273	65.69	48
26.2	37.782	309	45.54	133	38.363	249	54.85	48	50.150	260	58.44	49	25.552	256	66.17	24
10 6.1	38.091	285	46.87	133	38.612	226	55.33	84	50.410	239	58.93	31	25.808	235	66.41	1
16.1	38.376	257	48.20	134	38.838	200	56.17	116	50.649	217	59.24	14	26.043	212	66.42	20
26.1	38.633	226	49.54	131	39.038	172	57.33	142	50.866	190	59.38	7	26.255	187	66.22	39
11 5.0	38.859	191	50.85	128	39.210	142	58.75	161	51.056	162	59.37	12	26.442	159	65.83	52
15.0	39.050	153	52.13	122	39.352	108	60.36	173	51.218	131	59.25	23	26.601	128	65.31	63
24.9	39.203	111	53.35	117	39.460	74	62.09	178	51.349	97	59.02	29	26.729	94	64.68	69
12 4.9	39.314	67	54.52	107	39.534	38	63.87	175	51.446	61	58.73	33	26.823	59	63.99	72
14.9	39.381	21	55.59	96	39.572	0	65.62	165	51.507	22	58.40	35	26.882	22	63.27	72
24.9	39.402	26	56.55	82	39.572	37	67.27	151	51.529	15	58.05	37	26.904	15	62.55	68
34.9	39.376		57.37		39.535		68.78		51.514		57.68		26.889		61.87	
半位	s 35.045		″ 35.20		s 36.087		″ 78.60		s 47.734		″ 41.62		s 23.200		″ 47.52	
Sec & Tan δ	+1.231		+0.717		+1.029		−0.243		+1.024		+0.219		+1.005		+0.102	
子午線正中	11月19日				11月19日				11月20日				11月21日			
a b	+0.1943		+0.0247		+0.1345		−0.0084		+0.1659		+0.0074		+0.1593		+0.0034	
a′ b′	+0.5166		−0.8562		+0.5165		−0.8563		+0.5083		−0.8612		+0.4985		−0.8669	
FK3番号	148				149				150				151			

本初子午線正中時

星名	174 G Erid				48 Pers				o′ Erid				α Haro			
等級 スペクトル型	5.57		A5		4.03		B3p		4.14		F2		3.83		K0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 4 3		° ′ −27 47		h m 4 4		° ′ +47 34		h m 4 9		° ′ −6 57		h m 4 12		° ′ −42 24	
	s		″		s		″		s		″		s		″	
1 0.9	29.435	83	39.22	183	52.910	74	43.02	132	19.867	43	78.35	119	17.730	126	84.37	221
10.9	29.352	118	41.05	151	52.836	127	44.34	106	19.824	79	80.04	102	17.604	168	86.58	182
20.8	29.234	151	42.56	115	52.709	174	45.40	77	19.745	111	81.06	82	17.436	206	88.40	137
30.8	29.083	175	43.91	76	52.535	211	46.17	44	19.634	136	81.88	61	17.230	235	89.77	89
2 9.8	28.908	193	44.47	35	52.324	238	46.61	9	19.498	156	82.49	39	16.995	254	90.66	39
19.8	28.715	202	44.82	6	52.086	249	46.70	25	19.342	165	82.88	16	16.741	265	91.05	11
29.7	28.513	200	44.76	46	51.837	248	46.45	58	19.177	166	83.03	8	16.476	264	90.94	61
3 10.7	28.313	190	44.30	87	51.589	231	45.87	87	19.011	157	82.95	33	16.212	251	90.33	109
20.7	28.123	168	43.43	124	51.358	200	45.00	112	18.854	138	82.62	57	15.961	229	89.24	153
30.7	27.956	139	42.19	161	51.158	158	43.88	131	18.716	112	82.05	81	15.732	196	87.71	195
4 9.6	27.816	102	40.58	193	51.000	104	42.57	144	18.604	77	81.24	104	15.536	156	85.76	233
19.6	27.714	59	38.65	223	50.896	44	41.13	150	18.527	38	80.20	127	15.380	108	83.43	266
29.6	27.656	13	36.42	248	50.852	21	39.63	149	18.489	6	78.93	149	15.272	55	80.77	293
5 9.5	27.642	35	33.94	268	50.873	87	38.14	141	18.495	51	77.44	167	15.217	1	77.84	314
19.5	27.677	84	31.26	282	50.960	152	36.73	129	18.546	96	75.77	184	15.216	56	74.70	328
29.5	27.761	132	28.44	291	51.112	213	35.44	111	18.641	139	73.93	196	15.272	112	71.42	334
6 8.5	27.893	175	25.53	292	51.325	269	34.33	89	18.780	178	71.97	205	15.384	164	68.08	333
18.4	28.068	215	22.61	287	51.594	318	33.44	65	18.958	213	69.92	208	15.548	212	64.75	323
28.4	28.283	249	19.74	273	51.912	358	32.79	38	19.171	243	67.84	205	15.760	255	61.52	304
7 8.4	28.532	276	17.01	252	52.270	392	32.41	11	19.414	267	65.79	198	16.015	291	58.48	278
18.4	28.808	298	14.49	225	52.662	414	32.30	16	19.681	284	63.81	185	16.306	320	55.70	244
28.3	29.106	311	12.24	190	53.076	429	32.46	42	19.966	296	61.96	166	16.626	342	53.26	202
8 7.3	29.417	320	10.34	150	53.505	437	32.88	68	20.261	301	60.30	141	16.968	354	51.24	154
17.3	29.737	319	8.84	105	53.942	436	33.56	90	20.562	301	58.89	113	17.322	360	49.70	100
27.2	30.056	315	7.79	56	54.378	428	34.46	111	20.863	296	57.76	81	17.682	357	48.70	44
9 6.2	30.371	303	7.23	6	54.806	416	35.57	129	21.159	287	56.95	47	18.039	346	48.26	14
16.2	30.674	286	7.17	44	55.222	396	36.86	146	21.446	272	56.48	12	18.385	328	48.40	73
26.2	30.960	266	7.61	93	55.618	374	38.32	169	21.718	256	56.36	24	18.713	304	49.13	127
10 6.1	31.226	240	8.54	136	55.992	346	39.91	171	21.974	236	56.60	55	19.017	274	50.40	179
16.1	31.466	212	9.90	175	56.338	313	41.62	179	22.210	212	57.15	85	19.291	238	52.19	222
26.1	31.678	179	11.65	206	56.651	276	43.41	186	22.422	187	58.00	109	19.529	197	54.41	257
11 5.1	31.857	144	13.71	229	56.927	234	45.27	188	22.609	158	59.09	128	19.726	153	56.98	282
15.0	32.001	107	16.00	241	57.161	187	47.15	189	22.767	127	60.37	140	19.879	105	59.80	297
24.9	32.108	67	18.41	246	57.348	136	49.04	184	22.894	93	61.77	146	19.984	56	62.77	299
12 4.9	32.175	25	20.87	239	57.484	81	50.88	176	22.987	57	63.23	146	20.040	4	65.76	291
14.9	32.200	15	23.26	224	57.565	23	52.64	163	23.044	20	64.69	140	20.044	46	68.67	272
24.9	32.185	57	25.50	202	57.588	35	54.27	145	23.064	19	66.09	129	19.998	96	71.39	245
34.9	32.128		27.52		57.553		55.72		23.045		67.38		19.902		73.84	
半位	s 28.954		″ 34.37		s 52.603		″ 32.56		s 19.489		″ 78.40		s 16.589		″ 77.80	
Sec & Tan δ	+1.130		−0.527		+1.482		+1.094		+1.007		−0.122		+1.355		−0.914	
子午線正中	11月22日				11月22日				11月23日				11月24日			
a b	+0.1226		−0.0171		+0.2173		+0.0351		+0.1461		−0.0038		+0.0990		−0.0276	
a′ b′	+0.4868		−0.8735		+0.4815		−0.8765		+0.4644		−0.8856		+0.4529		−0.8916	
FK3番号	153				152				154				155			

本初子午線正中時

星名	α Reti		γ Dora		†41 υ⁴ Erid m		γ Taur	
等級 スペクトル型	3.36	G5	4.36	F5	3.59	B9	3.86	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 4 13	° ′ −62 35	h m 4 14	° ′ −51 36	h m 4 15	° ′ −33 54	h m 4 16	° ′ +15 30
1 09	s 47.51	° 81.49	s 41.291	″ 68.68	s 56.367	″ 92.07	s 50.080	″ 17.58
10.9	47.22	83.85	41.115	70.82	56.277	94.15	50.054	17.38
20.9	46.87	85.75	40.890	72.72	56.146	95.88	49.989	17.17
30.8	46.46	87.12	40.623	74.13	55.980	97.21	49.889	16.95
2 08	46.02	87.94	40.322	75.02	55.787	98.11	49.759	16.73
19.8	45.55	88.19	39.999	75.38	55.573	98.57	49.608	16.50
29.7	45.07	87.87	39.667	75.19	55.348	98.57	49.444	16.28
3 10.7	44.59	87.01	39.336	74.47	55.123	98.12	49.278	16.06
20.7	44.14	85.62	39.019	73.24	54.907	97.23	49.121	15.86
30.7	43.72	83.74	38.729	71.54	54.712	95.93	48.982	15.71
4 9.6	43.35	81.41	38.475	69.40	54.546	94.23	48.871	15.62
19.6	43.04	78.69	38.268	66.86	54.416	92.18	48.796	15.62
29.6	42.80	75.64	38.115	63.99	54.331	89.80	48.763	15.73
5 9.6	42.63	72.32	38.022	60.84	54.293	87.16	48.775	15.97
19.5	42.55	68.81	37.992	57.68	54.305	84.30	48.834	16.36
29.5	42.55	65.19	38.028	54.99	54.368	81.29	48.940	16.90
6 8.5	42.64	61.53	38.128	50.45	54.481	78.19	49.090	17.58
18.4	42.81	57.94	38.290	46.95	54.642	75.08	49.281	18.41
28.4	43.06	54.49	38.510	43.56	54.846	72.04	49.509	19.36
7 8.4	43.38	51.28	38.782	40.39	55.087	69.14	49.767	20.41
18.4	43.76	48.40	39.099	37.51	55.361	66.47	50.049	21.53
28.3	44.20	45.92	39.452	35.00	55.659	64.09	50.349	22.68
8 7.3	44.67	43.93	39.834	32.95	55.976	62.08	50.660	23.83
17.3	45.18	42.48	40.233	31.41	56.303	60.51	50.977	24.95
27.3	45.69	41.62	40.641	30.44	56.635	59.43	51.295	25.99
9 6.2	46.21	41.38	41.048	30.07	56.964	58.86	51.608	26.92
16.2	46.72	41.79	41.444	30.32	57.283	58.84	51.912	27.73
26.2	47.20	42.82	41.820	31.18	57.587	59.36	52.204	28.39
10 6.1	47.63	44.44	42.166	32.62	57.871	60.40	52.481	28.90
16.1	48.02	46.60	42.476	34.59	58.130	61.92	52.739	29.26
26.1	48.34	49.21	42.741	37.01	58.358	63.86	52.976	29.48
11 5.1	48.59	52.18	42.957	39.80	58.552	66.15	53.188	29.57
15.0	48.76	55.39	43.117	42.84	58.708	68.68	53.372	29.56
25.0	48.85	58.73	43.218	46.02	58.824	71.37	53.526	29.47
12 4.9	48.85	62.07	43.258	49.22	58.896	74.10	53.644	29.33
14.9	48.77	65.28	43.237	52.32	58.924	76.77	53.726	29.15
24.9	48.60	68.25	43.154	55.21	58.906	79.29	53.768	28.94
34.9	48.36	70.88	43.012	57.80	58.843	81.57	53.769	28.73
平均	s 44.998	″ 72.90	s 39.695	″ 60.98	s 55.491	″ 87.02	s 49.827	″ 13.21
Sec δ Tan δ	+2.173	−1.929	+1.611	−1.262	+1.205	−0.693	+1.038	+0.277
2回正中	11月24日		11月24日		11月25日		11月25日	
a b	+0.0381	−0.0575	+0.0779	−0.0373	+0.1130	−0.0199	+0.1700	+0.0081
a′ b′	+0.4472	−0.8945	+0.4636	−0.8962	+0.4387	−0.8987	+0.4351	−0.9004
FK3番号	156		157		160		159	

本初子午線正中時

星名	54 Pers		212 G. Erid		δ Taur		η Reti	
等級 スペクトル型	5.10	G5	5.31	A0	3.93	K0	5.18	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 4 17	° ′ +34 26	h m 4 18	° ′ −20 45	h m 4 19	° ′ +17 25	h m 4 21	° ′ −63 30
1 09	s 19.39	″ 42.77	s 23.414	″ 47.45	s 56.190	″ 24.89	s 21.94	″ 42.06
10.9	19.03	43.51	23.357	49.18	56.166	24.58	21.65	44.50
20.9	18.21	44.10	23.263	50.65	56.103	24.45	21.30	46.49
30.8	16.99	44.51	23.135	51.81	56.003	24.30	20.88	47.95
2 08	15.42	44.73	22.980	52.64	55.873	24.13	20.42	48.88
19.8	13.60	44.74	22.805	53.11	55.721	23.93	19.93	49.23
29.7	11.64	44.55	22.619	53.23	55.556	23.71	19.43	49.02
3 10.7	09.67	44.17	22.430	52.99	55.388	23.49	18.94	48.25
20.7	07.80	43.61	22.250	52.39	55.228	23.26	18.46	46.95
30.7	06.15	42.91	22.088	51.46	55.086	23.05	18.01	45.16
4 9.6	04.84	42.11	21.952	50.19	54.972	22.90	17.62	42.91
19.6	03.94	41.27	21.851	48.61	54.895	22.81	17.28	40.26
29.6	03.54	40.42	21.789	46.75	54.859	22.82	17.02	37.27
5 9.6	03.66	39.62	21.771	44.64	54.869	22.96	16.83	33.99
19.5	04.33	38.90	21.800	42.32	54.926	23.22	16.72	30.51
29.5	05.54	38.32	21.875	39.84	55.030	23.64	16.71	26.91
6 8.5	07.27	37.89	21.995	37.25	55.179	24.20	16.78	23.26
18.4	09.47	37.64	22.157	34.61	55.370	24.91	16.93	19.65
28.4	12.08	37.58	22.358	31.98	55.597	25.74	17.17	16.18
7 8.4	15.05	37.72	22.592	29.45	55.856	26.68	17.48	12.93
18.4	18.30	38.03	22.853	27.06	56.139	27.71	17.86	10.00
28.3	21.74	38.52	23.135	24.89	56.441	28.78	18.29	7.46
8 7.3	25.33	39.17	23.433	23.02	56.754	29.86	18.77	5.39
17.3	28.99	39.95	23.738	21.48	57.074	30.93	19.28	3.87
27.3	32.65	40.84	24.046	20.35	57.395	31.93	19.81	2.93
9 6.2	36.27	41.81	24.351	19.65	57.712	32.86	20.34	2.61
16.2	39.80	42.85	24.648	19.40	58.020	33.67	20.87	2.94
26.2	43.18	43.92	24.931	19.61	58.317	34.36	21.36	3.89
10 6.1	46.39	45.03	25.198	20.28	58.598	34.92	21.82	5.45
16.1	49.40	46.14	25.443	21.36	58.861	35.34	22.22	7.55
26.1	52.15	47.26	25.663	22.81	59.103	35.63	22.57	10.12
11 5.1	54.62	48.38	25.855	24.58	59.320	35.82	22.84	13.07
15.0	56.76	49.48	26.017	26.56	59.510	35.91	23.03	16.28
25.0	58.54	50.55	26.143	28.70	59.669	35.93	23.13	19.63
12 4.9	59.91	51.59	26.232	30.90	59.742	35.89	23.14	22.99
14.9	60.83	52.57	26.283	33.07	59.819	35.82	23.07	26.24
24.9	61.29	53.48	26.293	35.13	59.924	35.72	22.90	29.28
34.9	61.26	54.28	26.262	37.02	59.928	35.61	22.66	31.98
平均	s 1.675	″ 34.77	s 22.817	″ 44.76	s 55.930	″ 19.91	s 19.260	″ 34.13
Sec δ Tan δ	+1.213	+0.686	+1.069	−0.379	+1.048	+0.314	+2.242	−2.006
2回正中	11月25日		11月25日		11月26日		11月26日	
a b	+0.1945	+0.0199	+0.1305	−0.0108	+0.1723	+0.0089	+0.0318	−0.0558
a′ b′	+0.4343	−0.9008	+0.4290	−0.9033	+0.4229	−0.9062	+0.4174	−0.9087
FK3番号	158		161		162		163	

本初子午線正中時

星名	δ Mens		ε Taur		1 Caml sq		δ Cael	
等級	5.62		3.63		5.86		5.16	
スペクトル型	K0p		K0		B1		B3	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 4 21	° ′ −80 19	h m 4 25	° ′ +19 4	h m 4 27	° ′ +53 47	h m 4 29	° ′ −45 3
	s	″	s	″	s	″	s	″
1 0.9	3.518	8.388	34.857	5.57	54.613	71.07	15.746	57.42
		99		19		63		124
10.9	3.419	86.17	34.838	5.55	54.550	72.79	15.622	59.82
		115		60		129		170
20.9	3.304	87.98	34.778	5.49	54.421	74.27	15.452	61.84
		129		98		187		212
30.8	3.175	89.27	34.680	5.41	54.234	75.42	15.240	63.41
		139		129		236		246
2 9.8	3.036	90.01	34.551	5.29	53.998	76.23	14.994	64.49
		144		152		272		270
19.8	2.892	90.19	34.399	5.13	53.726	76.65	14.724	65.07
		147		167		291		284
29.8	2.745	89.81	34.232	4.94	53.435	76.68	14.440	65.14
		144		171		296		286
3 10.7	2.601	88.88	34.061	4.71	53.139	76.32	14.154	64.69
		140		163		283		277
20.7	2.461	87.44	33.898	4.47	52.856	75.59	13.877	63.75
		130		146		253		256
30.7	2.331	85.53	33.752	4.23	52.603	74.54	13.621	62.34
		118		118		210		226
4 9.6	2.213	83.19	33.634	4.03	52.393	73.21	13.395	60.49
		103		82		154		185
19.6	2.110	80.48	33.552	3.87	52.239	71.68	13.210	58.24
		87		41		89		139
29.6	2.023	77.45	33.511	3.80	52.150	70.00	13.071	55.64
		67		5		17		85
5 9.6	1.956	74.17	33.516	3.84	52.133	68.27	12.986	52.75
		46		52		55		30
19.5	1.910	70.71	33.568	4.00	52.188	66.53	12.956	49.62
		24		100		130		29
29.5	1.886	67.16	33.668	4.31	52.318	64.87	12.985	46.33
		3		146		199		86
6 8.5	1.883	63.58	33.814	4.75	52.517	63.35	13.071	42.95
		−20		188		266		141
18.5	1.903	60.08	34.002	5.34	52.783	62.00	13.212	39.56
		42		225		324		104
28.4	1.945	56.74	34.227	6.06	53.107	60.87	13.406	36.26
		61		257		374		239
7 8.4	2.006	53.63	34.484	6.89	53.481	60.00	13.645	33.11
		81		282		416		281
18.4	2.087	50.86	34.766	7.81	53.897	59.40	13.926	30.22
		96		302		448		314
28.3	2.183	48.49	35.068	8.79	54.345	59.09	14.240	27.66
		110		315		471		340
8 7.3	2.293	46.60	35.383	9.80	54.816	59.06	14.580	25.51
		120		322		485		358
17.3	2.413	45.25	35.705	10.80	55.301	59.32	14.938	23.84
		126		323		491		368
27.3	2.539	44.48	36.028	11.75	55.792	59.86	15.306	22.70
		128		320		490		368
9 6.2	2.667	44.33	36.348	12.65	56.282	60.65	15.674	22.13
		126		313		480		362
16.2	2.793	44.81	36.661	13.46	56.762	61.70	16.036	22.16
		120		302		465		348
26.2	2.913	45.90	36.963	14.14	57.227	62.96	16.384	22.79
		109		288		443		325
10 6.2	3.022	47.58	37.251	14.71	57.670	64.44	16.709	24.00
		95		269		417		297
16.1	3.117	49.77	37.520	15.17	58.087	66.10	17.006	25.74
		76		250		382		262
26.1	3.193	52.40	37.770	15.51	58.469	67.92	17.268	27.94
		55		224		343		220
11 5.1	3.248	55.39	37.994	15.76	58.812	69.87	17.488	30.54
		33		198		296		176
15.0	3.281	58.60	38.192	15.92	59.108	71.92	17.664	33.42
		7		166		243		125
25.0	3.288	61.91	38.358	16.02	59.351	74.03	17.789	36.47
		−17		131		185		73
12 4.9	3.271	65.22	38.489	16.07	59.536	76.15	17.862	39.58
		43		93		120		18
14.9	3.228	68.38	38.582	16.09	59.656	78.24	17.880	42.63
		66		52		52		37
24.9	3.162	71.30	38.634	16.08	59.708	80.23	17.843	45.52
		87		40		76		90
34.9	3.075	73.86	38.644	16.05	59.692	82.07	17.753	48.16
平位	s 26.495	″ 75.31	s 34.580	″ 0.45	s 54.051	″ 60.32	s 14.431	″ 51.89
Sec δ Tan δ	+5.959	−5.874	+1.058	+0.346	+1.693	+1.366	+1.416	−1.002
2回正中	11月26日		11月27日		11月28日		11月28日	
a b	−0.2026	−0.1633	+0.1745	+0.0092	+0.2372	+0.0356	+0.0917	−0.0258
a′ b′	+0.4169	−0.9090	+0.4004	−0.9163	+0.3911	−0.9203	+0.3857	−0.9226
FK3番号	166		164		165		167	

本初子午線正中時

星名	α Dora		α Taur		ν² Erid		ν Erid	
等級	3.47		1.06		3.88		4.12	
スペクトル型	A0p		K5		K0		B2	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 4 32	° ′ −55 8	h m 4 32	° ′ +16 24	h m 4 33	° ′ −30 39	h m 4 33	° ′ −3 27
	s	″	s	″	s	″	s	″
1 0.9	54.104	72.62	56.326	27.71	32.485	66.95	43.530	25.20
		183		13		67		22
10.9	53.921	75.17	56.313	27.54	32.418	69.08	43.508	26.33
		241		55		109		61
20.9	53.680	77.30	56.258	27.37	32.309	70.90	43.447	27.31
		290		92		147		96
30.8	53.390	78.95	56.166	27.21	32.162	72.35	43.351	28.13
		330		124		177		126
2 9.8	53.060	80.08	56.042	27.03	31.985	73.39	43.225	28.76
		358		149		201		150
19.8	52.702	80.67	55.893	26.85	31.784	74.02	43.075	29.20
		373		164		214		163
29.8	52.329	80.70	55.729	26.67	31.570	74.21	42.912	29.43
		375		169		218		168
3 10.7	51.954	80.20	55.560	26.48	31.352	73.97	42.744	29.46
		364		164		213		164
20.7	51.590	79.17	55.396	26.30	31.139	73.31	42.580	29.28
		340		147		195		148
30.7	51.250	77.64	55.249	26.15	30.944	72.24	42.432	28.89
		305		121		170		124
4 9.6	50.945	75.65	55.128	26.05	30.774	70.78	42.308	28.28
		257		88		136		92
19.6	50.688	73.24	55.040	26.02	30.638	68.96	42.216	27.46
		203		46		95		55
29.6	50.485	70.47	54.994	26.08	30.543	66.81	42.161	26.43
		140		2		50		13
5 9.6	50.345	67.39	54.992	26.25	30.493	64.38	42.148	25.21
		73		−44		2		−31
19.5	50.272	64.08	55.036	26.55	30.491	61.73	42.179	23.79
		5		91		48		75
29.5	50.267	60.62	55.127	26.99	30.539	58.89	42.254	22.22
		65		136		96		119
6 8.5	50.332	57.06	55.263	27.57	30.635	55.95	42.373	20.51
		134		178		142		159
18.5	50.466	53.52	55.441	28.28	30.777	52.96	42.532	18.71
		197		215		185		195
28.4	50.663	50.07	55.656	29.10	30.962	50.00	42.727	16.85
		257		248		223		227
7 8.4	50.920	46.80	55.904	30.02	31.185	47.16	42.954	14.99
		309		273		255		253
18.4	51.229	43.81	56.177	31.01	31.440	44.50	43.207	13.17
		353		293		282		273
28.3	51.582	41.18	56.470	32.04	31.722	42.11	43.480	11.46
		388		308		301		287
8 7.3	51.970	38.98	56.778	33.07	32.023	40.05	43.767	9.89
		414		315		314		296
17.3	52.384	37.29	57.093	34.07	32.337	38.39	44.063	8.54
		430		318		321		299
27.3	52.814	36.17	57.411	35.01	32.658	37.19	44.362	7.43
		434		316		321		298
9 6.2	53.248	35.65	57.727	35.85	32.979	36.49	44.660	6.60
		428		310		316		293
16.2	53.676	35.76	58.037	36.58	33.295	36.31	44.953	6.09
		411		300		304		282
26.2	54.087	36.50	58.337	37.16	33.599	36.66	45.235	5.91
		384		287		287		269
10 6.2	54.471	37.85	58.624	37.61	33.886	37.53	45.504	6.04
		348		270		266		253
16.1	54.819	39.75	58.894	37.92	34.152	38.88	45.757	6.49
		304		251		240		233
26.1	55.123	42.14	59.145	38.10	34.392	40.66	45.990	7.21
		250		228		210		209
11 5.1	55.373	44.93	59.373	38.16	34.602	42.80	46.199	8.17
		192		201		175		184
15.0	55.565	48.01	59.574	38.13	34.777	45.21	46.383	9.31
		128		170		136		153
25.0	55.693	51.28	59.744	38.03	34.913	47.80	46.536	10.59
		60		137		96		119
12 4.9	55.753	54.60	59.881	37.89	35.009	50.47	46.655	11.93
		−10		98		51		83
14.9	55.743	57.85	59.979	37.72	35.060	53.11	46.738	13.28
		78		58		7		45
24.9	55.665	60.92	60.037	37.54	35.067	55.63	46.783	14.59
		144		15		−39		4
34.9	55.521	63.71	60.052	37.35	35.028	57.94	46.787	15.81
平位	s 52.191	″ 66.41	s 58.017	″ 23.02	s 31.636	″ 63.61	s 43.108	″ 26.32
Sec δ Tan δ	+1.750	−1.436	+1.042	+0.294	+1.163	−0.593	+1.002	−0.060
2回正中	11月29日		11月29日		11月29日		11月29日	
a b	+0.1444	−0.0355	+0.1716	+0.0073	+0.1166	−0.0146	+0.1496	−0.0015
a′ b′	+0.3711	−0.9286	+0.3708	−0.9287	+0.3684	−0.9297	+0.3676	−0.9300
FK3番号	171		168		170		169	

本初子午線正中時

星名	53 Erid		τ Taur		Grb 848 Caml		μ Erid	
等級 スペクトル型	3.98	K0	4.33	B5	6.04	F0	4.18	B5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 4 35	−14° 23′	h m 4 39	+22° 51′	h m 4 41	+75° 50′	h m 4 42	−3° 20′
1 0.9	s 48.395 33	″ 76.38 161	s 7.526 8	″ 38.02 18	s 50.30 24	″ 73.99 270	s 54.443 15	″ 53.03 116
10.9	48.362 73	77.99 138	7.518 52	38.20 13	50.06 40	76.69 239	54.428 55	54.19 101
20.9	48.289 108	79.37 113	7.466 92	38.33 9	49.66 53	79.08 198	54.373 91	55.20 84
30.8	48.181 138	80.50 85	7.374 127	38.42 2	49.13 65	81.06 151	54.282 123	56.04 65
2 9.8	48.043 162	81.35 56	7.247 154	38.44 $\overline{5}$	48.48 74	82.57 97	54.159 147	56.69 46
19.8	47.881 175	81.91 $\overline{25}$	7.093 170	38.39 12	47.74 79	83.54 42	54.012 163	57.15 26
29.8	47.706 181	82.16 6	6.923 177	38.27 20	46.95 79	83.96 $\overline{16}$	53.849 169	57.41 6
3 10.7	47.525 175	82.10 36	6.746 172	38.07 25	46.16 77	83.81 69	53.680 166	57.47 $\overline{16}$
20.7	47.350 161	81.74 67	6.574 156	37.82 29	45.39 71	83.12 120	53.514 152	57.31 37
30.7	47.189 137	81.07 96	6.418 130	37.53 31	44.68 62	81.92 165	53.362 129	56.94 58
4 9.7	47.052 105	80.11 124	6.288 95	37.22 29	44.06 49	80.27 203	53.233 99	56.36 78
19.6	46.947 68	78.87 150	6.193 53	36.93 24	43.57 35	78.24 231	53.134 62	55.58 100
29.6	46.879 26	77.37 174	6.140 7	36.69 18	43.22 19	75.93 250	53.072 20	54.58 120
5 9.6	46.853 $\overline{19}$	75.63 196	6.133 $\overline{40}$	36.51 $\overline{7}$	43.03 2	73.43 261	53.052 $\overline{22}$	53.38 138
19.5	46.872 64	73.67 212	6.173 90	36.44 5	43.01 14	70.82 261	53.074 68	52.00 154
29.5	46.936 108	71.55 226	6.263 136	36.49 18	43.15 31	68.21 255	53.142 110	50.46 167
6 8.5	47.044 149	69.29 232	6.399 181	36.67 31	43.46 46	65.66 239	53.252 151	48.79 177
18.5	47.193 187	66.97 235	6.580 219	36.98 45	43.92 61	63.27 216	53.403 187	47.02 183
28.4	47.380 220	64.62 231	6.799 253	37.43 56	44.53 74	61.11 189	53.590 221	45.19 184
7 8.4	47.600 248	62.31 220	7.052 280	37.99 67	45.27 84	59.22 156	53.811 246	43.35 179
18.4	47.848 270	60.11 203	7.332 302	38.66 75	46.11 94	57.66 120	54.057 268	41.56 169
28.4	48.118 285	58.08 180	7.634 317	39.41 81	47.05 101	56.46 81	54.325 283	39.87 155
8 7.3	48.403 296	56.28 150	7.951 326	40.22 83	48.06 106	55.65 40	54.608 294	38.32 135
17.3	48.699 301	54.78 117	8.277 330	41.05 82	49.12 109	55.25 $\overline{7}$	54.902 298	36.97 109
27.3	49.000 300	53.61 79	8.607 330	41.87 80	50.21 110	55.26 43	55.200 298	35.88 82
9 6.2	49.300 294	52.82 $\overline{38}$	8.937 323	42.67 74	51.31 110	55.69 84	55.498 293	35.06 51
16.2	49.594 285	52.44 4	9.260 315	43.41 67	52.41 107	56.53 124	55.791 286	34.55 18
26.2	49.879 271	52.48 45	9.575 302	44.08 60	53.48 103	57.77 162	56.077 273	34.37 15
10 6.2	50.150 254	52.93 84	9.877 287	44.68 52	54.51 96	59.39 197	56.350 259	34.52 45
16.1	50.404 232	53.77 119	10.164 266	45.20 44	55.47 88	61.36 230	56.609 239	34.97 73
26.1	50.636 208	54.96 148	10.430 244	45.64 37	56.35 78	63.66 258	56.848 218	35.70 97
11 5.1	50.844 179	56.44 171	10.694 216	46.01 31	57.13 66	66.24 280	57.066 191	36.67 117
15.1	51.023 148	58.15 187	11.890 185	46.32 28	57.79 53	69.04 298	57.257 162	37.84 129
25.0	51.171 113	60.02 194	11.075 149	46.60 24	58.32 37	72.02 307	57.419 129	39.13 136
12 4.9	51.284 74	61.96 195	11.224 110	46.84 23	58.69 21	75.09 309	57.548 92	40.49 138
14.9	51.358 $\overline{34}$	63.91 187	11.334 67	47.07 20	58.91 4	78.18 302	57.640 53	41.87 133
24.9	51.392 6	65.78 173	11.401 22	47.27 17	58.95 $\overline{12}$	81.20 284	57.693 12	43.20 125
34.9	51.386	67.51	11.423	47.44	58.83	84.04	57.705	44.45
平位	s 47.844	″ 75.90	s 7.202	″ 32.20	s 47.910	″ 61.66	s 53.996	″ 54.48
Sec.δ Tanδ	+1.032	−0.257	+1.085	+0.422	+4.091	+3.967	+1.002	−0.058
2回正中	11月 30日		12月 1日		12月 1日		12月 2日	
a b	+0.1374	−0.0062	+0.1797	+0.0097	+0.4025	+0.0885	+0.1497	−0.0013
a′ b′	+0.3592	−0.9333	+0.3456	−0.9384	+0.3346	−0.9424	+0.3301	−0.9440
FK3番号	172		174		173		176	

本初子午線正中時

星名	μ Mens		4 Caml		π⁴ Orio		α Caml	
等級 スペクトル型	5.69	B9	5.35	A2	3.78	B3	4.38	B0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 4 43	−71° 1′	h m 4 43	+56° 40′	h m 4 48	+5° 31′	h m 4 48	+66° 15′
1 0.9	s 38.65 40	″ 42.10 265	s 40.476 49	″ 12.88 192	s 26.431 4	″ 7.10 74	s 53.13 9	″ 37.79 238
10.9	38.25 50	44.75 222	40.427 123	14.80 168	26.427 45	6.36 65	53.04 18	40.17 210
20.9	37.75 59	46.97 173	40.304 188	16.48 139	26.382 83	5.71 55	52.86 28	42.27 176
30.8	37.16 65	48.70 120	40.116 245	17.87 103	26.299 116	5.16 45	52.58 36	44.03 135
2 9.8	36.51 70	49.90 64	39.871 288	18.90 63	26.183 142	4.71 33	52.22 41	45.38 89
19.8	35.81 72	50.54 7	39.583 314	19.53 23	26.041 159	4.38 22	51.81 45	46.27 40
29.8	35.09 73	50.61 $\overline{48}$	39.269 323	19.76 $\overline{19}$	25.882 167	4.16 11	51.36 46	46.67 9
3 10.7	34.36 71	50.13 103	38.946 314	19.57 59	25.715 164	4.05 $\overline{2}$	50.90 45	46.58 58
20.7	33.65 67	49.10 154	38.632 287	18.98 95	25.551 151	4.07 14	50.45 41	46.00 102
30.7	32.98 62	47.56 201	38.345 244	18.03 127	25.400 129	4.21 29	50.04 36	44.98 142
4 9.7	32.36 54	45.55 243	38.101 189	16.76 153	25.271 97	4.50 42	49.68 29	43.56 174
19.6	31.82 46	43.12 281	37.912 121	15.23 170	25.174 62	4.92 58	49.39 20	41.82 200
29.6	31.36 36	40.31 311	37.791 47	13.53 182	25.112 19	5.50 74	49.19 10	39.82 216
5 9.6	31.00 25	37.20 336	37.744 $\overline{30}$	11.71 186	25.093 $\overline{24}$	6.24 89	49.09 $\overline{0}$	37.66 225
19.5	30.75 14	33.84 351	37.774 108	9.85 183	25.117 69	7.13 103	49.09 11	35.41 226
29.5	30.61 1	30.33 360	37.882 184	8.02 173	25.186 113	8.16 117	49.20 21	33.15 218
6 8.5	30.60 $\overline{9}$	26.73 359	38.066 256	6.29 158	25.299 153	9.33 128	49.41 31	30.77 205
18.5	30.69 22	23.14 350	38.322 320	4.71 138	25.452 190	10.61 135	49.72 39	28.92 184
28.4	30.91 32	19.64 331	38.642 378	3.33 114	25.642 223	11.96 140	50.11 47	27.08 160
7 8.4	31.23 42	16.33 303	39.020 425	2.19 88	25.865 250	13.36 141	50.58 54	25.48 131
18.4	31.65 50	13.30 266	39.445 463	1.31 61	26.115 271	14.77 137	51.12 60	24.17 99
28.4	32.15 58	10.64 222	39.908 492	0.70 31	26.386 286	16.14 128	51.72 64	23.18 65
8 7.3	32.73 64	8.42 171	40.400 512	0.39 1	26.672 299	17.42 117	52.36 67	22.53 $\overline{31}$
17.3	33.37 68	6.71 113	40.912 522	0.38 $\overline{27}$	26.969 302	18.59 99	53.03 69	22.22 5
27.3	34.05 69	5.58 51	41.434 525	0.65 55	27.271 303	19.58 79	53.72 69	22.27 41
9 6.2	34.74 70	5.07 $\overline{13}$	41.959 520	1.20 83	27.574 299	20.37 57	54.41 70	22.68 75
16.2	35.44 67	5.20 77	42.479 507	2.03 109	27.873 291	20.94 33	55.11 67	23.43 109
26.2	36.11 63	5.97 139	42.986 488	3.12 132	28.164 281	21.27 8	55.78 66	24.52 141
10 6.2	36.74 56	7.36 196	43.474 442	4.44 155	28.445 267	21.35 $\overline{16}$	56.44 62	25.93 170
16.1	37.30 49	9.32 247	43.936 429	5.99 174	28.712 250	21.19 $\overline{37}$	57.06 57	27.63 198
26.1	37.79 39	11.79 288	44.365 388	7.73 192	28.962 228	20.82 55	57.63 51	29.61 221
11 5.1	38.18 27	14.67 319	44.753 341	9.65 206	29.190 203	20.27 70	58.14 45	31.82 242
15.1	38.45 16	17.86 337	45.094 285	11.71 215	29.393 174	19.57 80	58.59 38	34.24 256
25.0	38.61 3	21.23 343	45.379 221	13.86 222	29.567 142	18.77 86	58.97 28	36.80 266
12 4.9	38.64 $\overline{9}$	24.66 337	45.600 152	16.08 221	29.709 105	17.91 88	59.25 19	39.46 267
14.9	38.55 22	28.03 319	45.752 79	18.29 215	29.814 65	17.03 86	59.44 8	42.13 263
24.9	38.33 34	31.22 290	45.831 2	20.44 202	29.879 24	16.17 80	59.52 $\overline{2}$	44.76 248
34.9	37.99	34.12	45.833	22.46	29.903	15.37	59.50	47.24
平位	s 34.459	″ 34.02	s 39.731	″ 2.32	s 26.033	″ 4.06	s 51.871	″ 26.51
Sec.δ Tanδ	+3.076	−2.909	+1.820	+1.520	+1.005	+0.097	+2.484	+2.274
2回正中	12月 2日		12月 2日		12月 3日		12月 3日	
a b	−0.0299	−0.0635	+0.2491	+0.0331	+0.1595	+0.0020	+0.2977	+0.0463
a′ b′	+0.3213	−0.9449	+0.3270	−0.9450	+0.3072	−0.9516	+0.3054	−0.9522
FK3番号	177		175		179		178	

本初子午線正中時

星名	π⁵ Orio				ι Auri				ε Auri				β Caml			
等級 スペクトル型	3.87 B3				2.90 K2				31-38 F5p				4.22 G0p			
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	4h 51m		+2° 21′		4h 53m		+33° 5′		4h 58m		+43° 44′		4h 58m		+60° 22′	
1 0.9	32.834	4	28.18	91	36.579	2	15.80	74	14.462	1	63.19	133	47.92	4	18.43	215
10.9	32.830	45	27.27	79	36.581	47	16.54	65	14.461	59	64.52	119	47.88	12	20.58	194
20.9	32.785	82	26.48	67	36.534	94	17.19	54	14.402	113	65.71	99	47.96	19	22.52	163
30.9	32.703	116	25.81	54	36.440	134	17.73	40	14.289	161	66.70	76	47.57	27	24.15	129
2 9.8	32.587	142	25.27	39	36.306	167	18.13	22	14.128	198	67.46	51	47.30	31	25.44	88
19.8	32.445	159	24.88	24	36.139	188	18.35	5	13.930	223	67.97	22	46.99	35	26.32	44
29.8	32.286	168	24.64	10	35.951	197	18.40	12	13.707	235	68.19	7	46.64	37	26.76	0
3 10.7	32.118	165	24.54	6	35.754	195	18.28	30	13.472	232	68.12	36	46.27	36	26.76	43
20.7	31.953	153	24.60	21	35.559	179	17.98	45	13.240	215	67.76	60	45.91	33	26.33	85
30.7	31.800	131	24.81	38	35.380	154	17.53	57	13.025	186	67.16	83	45.58	30	25.48	120
4 9.7	31.669	101	25.19	55	35.226	116	16.96	65	12.839	144	66.33	101	45.28	23	24.28	151
19.6	31.568	64	25.74	72	35.110	73	16.31	69	12.695	95	65.32	113	45.05	16	22.77	175
29.6	31.504	24	26.46	89	35.037	24	15.62	69	12.600	39	64.19	119	44.89	9	21.02	191
5 9.6	31.480	19	27.35	105	35.013	28	14.93	65	12.561	20	63.00	121	44.80	0	19.11	199
19.6	31.499	64	28.40	120	35.041	81	14.28	57	12.581	81	61.79	118	44.80	8	17.12	200
29.5	31.563	107	29.60	134	35.122	132	13.71	47	12.662	139	60.61	109	44.88	17	15.12	195
6 8.5	31.670	148	30.94	144	35.254	181	13.24	35	12.801	196	59.52	97	45.05	25	13.17	182
18.5	31.818	185	32.38	152	35.435	224	12.89	20	12.997	244	58.55	81	45.30	32	11.35	166
28.4	32.003	217	33.90	154	35.659	263	12.69	5	13.243	290	57.74	64	45.62	39	9.69	143
7 8.4	32.220	245	35.44	154	35.922	294	12.64	9	13.533	329	57.10	45	46.01	45	8.26	119
18.4	32.465	266	36.98	147	36.216	320	12.73	23	13.862	358	56.65	25	46.46	49	7.07	91
28.4	32.731	283	38.45	137	36.536	338	12.96	35	14.220	383	56.40	7	46.95	52	6.16	61
8 7.3	33.014	293	39.82	122	36.874	352	13.31	46	14.603	398	56.33	13	47.47	56	5.55	30
17.3	33.307	299	41.04	102	37.226	358	13.77	54	15.001	408	56.46	31	48.03	57	5.25	0
27.3	33.606	300	42.06	80	37.584	360	14.31	62	15.409	411	56.77	48	48.60	58	5.25	31
9 6.3	33.906	298	42.86	54	37.944	358	14.93	67	15.820	410	57.25	63	49.18	57	5.56	61
16.2	34.204	290	43.40	26	38.302	349	15.60	70	16.230	403	57.88	78	49.75	57	6.17	90
26.2	34.494	280	43.66	7	38.651	339	16.30	73	16.633	390	58.66	90	50.32	55	7.07	118
10 6.2	34.774	266	43.65	27	38.990	324	17.03	75	17.023	374	59.56	103	50.87	53	8.25	145
16.1	35.040	249	43.38	51	39.314	304	17.78	77	17.397	352	60.59	114	51.40	49	9.70	169
26.1	35.289	228	42.87	72	39.618	281	18.55	79	17.749	324	61.73	124	51.89	45	11.39	190
11 5.1	35.517	203	42.15	88	39.899	251	19.34	80	18.073	291	62.97	132	52.34	39	13.29	209
15.1	35.720	175	41.27	100	40.150	218	20.14	81	18.364	252	64.29	140	52.73	34	15.38	223
25.0	35.895	141	40.27	106	40.368	179	20.95	83	18.616	206	65.69	144	53.07	27	17.61	239
12 5.0	36.036	106	39.21	107	40.547	136	21.78	82	18.822	154	67.13	146	53.34	19	19.94	237
14.9	36.142	65	38.14	105	40.683	87	22.60	81	18.976	99	68.59	143	53.53	11	22.31	234
24.9	36.207	25	37.09	98	40.770	39	23.41	76	19.075	39	70.02	137	53.64	2	24.65	224
34.9	36.232		36.11		40.807		24.17		19.114		71.39		53.66		26.89	
平位 Sec&Tan 2回正中	32.408		25.57		36.171		8.53		13.929		54.63		46.929		8.10	
	+1.001		+0.041		+1.194		+0.652		+1.384		+0.957		+2.023		+1.758	
	12月 4日				12月 4日				12月 5日				12月 6日			
a b	+0.1560		+0.0008		+0.1950		+0.0124		+0.2149		+0.0170		+0.2664		+0.0309	
a′ b′	+0.2943		−0.9557		+0.2857		−0.9583		+0.2663		−0.9639		+0.2640		−0.9645	
FK3番号	180				181				183				182			

本初子午線正中時

星名	ι Taur				η Auri				ε Leps				η² Pict			
等級 スペクトル型	4.70 A5				3.28 B3				3.29 K5				4.92 K5			
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	4h 59m		+21° 31′		5h 2m		+41° 9′		5h 3m		−22° 25′		5h 3m		−49° 38′	
1 0.9	59.441	11	8.58	10	52.313	7	66.83	120	16.245	24	82.79	206	38.645	110	54.09	278
10.9	59.452	35	8.68	10	52.320	49	68.03	107	16.221	67	84.85	181	38.535	167	56.87	242
20.9	59.417	77	8.78	8	52.271	102	69.10	91	16.154	108	86.66	150	38.368	219	59.29	200
30.9	59.340	115	8.86	4	52.169	148	70.01	72	16.046	142	88.16	118	38.149	262	61.29	152
2 9.8	59.225	145	8.90	0	52.021	186	70.73	47	15.904	170	89.34	82	37.887	296	62.81	101
19.8	59.080	166	8.90	5	51.835	210	71.20	22	15.734	189	90.16	44	37.591	317	63.82	49
29.8	58.914	176	8.85	11	51.625	224	71.42	4	15.545	199	90.60	7	37.274	328	64.31	3
3 10.7	58.738	175	8.74	15	51.401	222	71.38	29	15.346	198	90.67	30	36.946	325	64.28	57
20.7	58.563	162	8.59	19	51.179	207	71.09	53	15.148	187	90.37	67	36.621	311	63.71	106
30.7	58.401	140	8.40	20	50.972	179	70.56	74	14.961	167	89.70	102	36.310	284	62.65	154
4 9.7	58.261	108	8.20	19	50.793	141	69.82	89	14.794	137	88.68	136	36.026	247	61.11	198
19.6	58.153	70	8.01	16	50.652	94	68.93	100	14.657	103	87.32	167	35.779	202	59.13	238
29.6	58.083	25	7.85	10	50.558	40	67.93	107	14.554	61	85.65	194	35.577	150	56.75	272
5 9.6	58.058	21	7.75	1	50.518	16	66.86	107	14.493	17	83.71	219	35.427	92	54.03	301
19.6	58.079	69	7.74	8	50.534	74	65.79	104	14.476	28	81.52	239	35.335	32	51.02	322
29.5	58.148	115	7.82	20	50.608	131	64.75	96	14.504	73	79.13	253	35.303	29	47.80	337
6 8.5	58.263	159	8.02	31	50.739	185	63.79	84	14.577	118	76.60	261	35.332	91	44.43	343
18.5	58.422	198	8.33	42	50.924	234	62.95	71	14.695	158	73.99	264	35.423	148	41.00	340
28.4	58.620	234	8.75	52	51.158	277	62.24	54	14.853	195	71.35	259	35.571	203	37.60	329
7 8.4	58.854	264	9.27	61	51.435	313	61.70	37	15.048	227	68.76	246	35.774	252	34.31	308
18.4	59.118	286	9.88	67	51.748	343	61.33	19	15.275	254	66.30	228	36.026	295	31.23	279
28.4	59.404	305	10.55	70	52.091	367	61.14	2	15.529	275	64.02	201	36.321	330	28.44	240
8 7.3	59.709	317	11.25	71	52.458	382	61.12	14	15.804	290	62.01	169	36.651	359	26.04	196
17.3	60.026	324	11.96	70	52.840	393	61.26	30	16.094	301	60.32	130	37.010	378	24.08	143
27.3	60.350	326	12.66	64	53.233	396	61.56	45	16.395	305	59.02	86	37.388	389	22.65	85
9 6.3	60.676	324	13.30	59	53.629	396	62.01	57	16.700	305	58.16	40	37.777	391	21.80	25
16.2	61.000	319	13.89	50	54.025	389	62.58	70	17.005	299	57.76	8	38.168	384	21.55	37
26.2	61.319	309	14.39	42	54.414	379	63.28	80	17.304	290	57.84	57	38.552	369	21.92	100
10 6.2	61.628	297	14.81	32	54.793	363	64.08	90	17.594	275	58.41	102	38.921	344	22.92	157
16.1	61.925	280	15.13	25	55.156	344	64.98	100	17.869	255	59.43	144	39.265	312	24.49	210
26.1	62.205	259	15.38	18	55.500	318	65.98	108	18.124	232	60.87	180	39.577	273	26.59	256
11 5.1	62.464	234	15.56	13	55.818	286	67.06	116	18.356	204	62.67	208	39.850	225	29.15	291
15.1	62.698	204	15.69	10	56.104	250	68.22	122	18.560	171	64.75	229	40.075	173	32.06	315
25.0	62.902	170	15.79	8	56.354	206	69.44	127	18.731	134	67.04	240	40.248	115	35.21	329
12 5.0	63.072	131	15.87	8	56.560	157	70.71	128	18.865	93	69.44	242	40.363	54	38.50	329
14.9	63.203	88	15.95	8	56.717	103	71.99	128	18.958	51	71.86	235	40.417	9	41.79	320
24.9	63.291	43	16.03	8	56.820	46	73.27	123	19.009	5	74.21	220	40.408	72	44.99	297
34.9	63.334		16.11		56.866		74.50		19.014		76.41		40.336		47.96	
平位 Sec&Tan 2回正中	59.049		3.00		51.795		58.70		15.499		82.43		37.000		51.12	
	+1.075		+0.394		+1.328		+0.874		+1.082		−0.413		+1.544		−1.177	
	12月 6日				12月 7日				12月 7日				12月 7日			
a b	+0.1787		+0.0068		+0.2098		+0.0144		+0.1266		−0.0068		+0.0772		−0.0191	
a′ b′	+0.2589		−0.9659		+0.2467		−0.9691		+0.2451		−0.9695		+0.2436		−0.9699	
FK3番号	184				185				186				187			

本初子午線正中時

星名	ζ Dora		β Erid		λ Erid		μ Auri	
等級 / スペクトル型	4.76	F8	2.92	A3	4.34	B2	4.78	A3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 5 4	° ′ -57 32	h m 5 5	° ′ -5 8	h m 5 6	° ′ -8 48	h m 5 9	° ′ +38 25
1 0.9	s 39.154 163	″ 38.80 287	s 17.994 1	″ 65.76 132	s 39.920 2	″ 68.02 150	s 52.449 17	″ 37.27 106
10.9	38.991 230	41.67 249	17.995 41	67.08 116	39.918 43	69.52 132	52.446 37	38.33 96
20.9	38.761 290	44.16 205	17.954 80	68.24 98	39.875 83	70.84 111	52.429 90	39.29 83
30.9	38.471 340	46.21 155	17.874 115	69.22 77	39.792 118	71.95 88	52.339 135	40.12 66
2 9.8	38.131 378	47.76 103	17.759 142	69.99 56	39.674 146	72.83 62	52.204 174	40.78 46
19.8	37.753 403	48.79 48	17.617 162	70.55 33	39.528 165	73.45 38	52.030 199	41.24 24
29.8	37.350 413	49.27 7	17.455 173	70.88 12	39.363 176	73.83 11	51.831 213	41.48 0
3 10.8	36.937 411	49.20 61	17.282 172	71.00 72	39.187 175	73.94 15	51.618 213	41.48 22
20.7	36.526 392	48.59 113	17.110 161	70.88 34	39.012 166	73.79 41	51.405 200	41.26 44
30.7	36.134 363	47.46 162	16.949 143	70.54 57	38.846 146	73.38 66	51.205 176	40.82 61
4 9.7	35.771 320	45.84 208	16.806 114	69.97 79	38.700 119	72.72 91	51.029 139	40.21 76
19.6	35.451 267	43.76 248	16.692 81	69.18 100	38.581 84	71.81 115	50.890 95	39.45 87
29.6	35.184 207	41.28 284	16.611 40	68.18 121	38.497 46	70.66 137	50.795 44	38.58 91
5 9.6	34.977 140	38.44 312	16.571 7	66.97 139	38.451 3	69.29 157	50.751 10	37.67 93
19.6	34.837 70	35.32 334	16.572 45	65.58 157	38.448 41	67.72 175	50.761 65	36.74 90
29.5	34.767 4	31.98 348	16.617 88	64.01 170	38.489 84	65.97 189	50.826 120	35.84 82
6 8.5	34.771 76	28.50 353	16.705 130	62.31 179	38.573 125	64.08 198	50.946 172	35.02 71
18.5	34.847 145	24.97 350	16.835 166	60.52 186	38.698 163	62.10 203	51.118 219	34.31 59
28.5	34.992 213	21.47 337	17.001 201	58.66 186	38.861 197	60.07 203	51.337 261	33.72 45
7 8.4	35.205 273	-18.10 316	17.202 229	56.80 182	39.058 227	58.04 197	51.598 298	33.27 29
18.4	35.478 327	14.94 285	17.431 253	54.98 171	39.285 251	56.07 185	51.896 326	32.98 14
28.4	35.805 372	12.09 245	17.684 271	53.27 157	39.536 269	54.22 167	52.222 350	32.84 1
8 7.3	36.177 409	9.64 198	17.955 285	51.70 135	39.805 284	52.55 144	52.572 366	32.85 15
17.3	36.586 434	7.66 143	18.240 292	50.35 110	40.089 292	51.11 115	52.938 377	33.00 28
27.3	37.020 450	6.23 84	18.532 297	49.25 81	40.381 296	49.96 82	53.315 382	33.28 39
9 6.3	37.470 453	5.39 22	18.829 295	48.44 48	40.677 296	49.14 47	53.697 382	33.67 50
16.2	37.923 446	5.17 43	19.124 291	47.96 13	40.973 291	48.67 9	54.079 378	34.17 59
26.2	38.369 427	5.60 107	19.415 282	47.83 20	41.264 283	48.58 28	54.457 368	34.76 68
10 6.2	38.796 398	6.67 166	19.697 270	48.03 54	41.547 270	48.86 64	54.825 355	35.44 75
16.1	39.194 356	8.33 219	19.967 254	48.57 84	41.817 254	49.50 97	55.180 337	36.19 82
26.1	39.550 306	10.52 267	20.221 234	49.41 110	42.071 234	50.47 126	55.517 314	37.01 90
11 5.1	39.856 248	13.19 302	20.455 209	50.51 130	42.305 210	51.73 148	55.831 284	37.91 96
15.1	40.104 181	16.21 328	20.664 182	51.81 146	42.515 180	53.21 165	56.115 250	38.87 103
25.0	40.285 109	19.49 341	20.846 148	53.27 153	42.695 147	54.86 173	56.365 209	39.90 107
12 5.0	40.394 34	22.90 341	20.994 112	54.80 155	42.842 110	56.59 176	56.574 162	40.97 110
14.9	40.428 42	26.31 330	21.106 72	56.35 152	42.952 70	58.35 171	56.736 110	42.07 110
24.9	40.386 117	29.61 307	21.178 30	57.87 142	43.022 27	60.06 161	56.846 55	43.17 107
34.9	40.269	32.68	21.208	59.29	43.049	61.67	56.901	44.24
中位	s 36.941	″ 35.43	s 17.475	″ 67.69	s 39.362	″ 69.52	s 51.936	″ 29.65
Sec & Tans	+1.863	-1.572	+1.004	-0.090	+1.012	-0.155	+1.276	+0.793
2回正中	12月 7日		12月 7日		12月 8日		12月 8日	
a b	+0.0516	-0.0251	+0.1475	-0.0014	+0.1433	-0.0024	+0.2050	+0.0115
a′ b′	+0.2393	-0.9709	+0.2365	-0.9716	+0.2307	-0.9730	+0.2170	-0.9762
FK3番号	189		188		190		192	

本初子午線正中時

星名	β Orio		α Auri		ϑ Dora		19 H.Caml	
等級 / スペクトル型	0.34	B8p	0.21	G0	4.78	K0	5.16	F8
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 5 12	° ′ -8 15	h m 5 12	° ′ +45 56	h m 5 13	° ′ -67 74	h m 5 13	° ′ +79 10
1 0.9	s 2.797 4	″ 36.15 149	s 51.242 16	″ 59.12 146	s 50.91 26	″ 40.84 298	s 60.71 18	″ 45.87 298
10.9	2.801 39	36.64 132	51.258 47	60.58 133	50.65 35	43.82 260	60.53 40	48.85 272
20.9	2.762 79	37.96 112	51.211 105	61.91 116	50.30 44	46.42 216	60.13 60	51.57 237
30.9	2.683 114	39.08 88	51.106 157	63.07 93	49.86 51	48.58 167	59.53 78	53.94 194
2 9.8	2.569 143	39.96 64	50.949 199	64.00 66	49.35 55	50.25 113	58.75 91	55.88 144
19.8	2.426 164	40.60 39	50.750 228	64.66 37	48.80 59	51.38 58	57.84 101	57.32 88
29.8	2.262 175	40.99 13	50.522 244	65.03 7	48.21 61	51.96 3	56.83 105	58.20 31
3 10.8	2.087 176	41.12 12	50.278 245	65.10 25	47.60 60	51.99 53	55.78 105	58.51 27
20.7	1.911 166	41.00 38	50.033 231	64.85 53	47.00 59	51.46 105	54.73 99	58.24 81
30.7	1.745 149	40.62 63	49.802 204	64.32 78	46.41 54	50.41 157	53.74 90	57.43 133
4 9.7	1.596 121	39.99 87	49.598 164	63.54 99	45.87 49	48.84 202	52.84 77	56.10 178
19.6	1.475 88	39.12 110	49.434 115	62.55 116	45.38 43	46.82 245	52.07 59	54.32 214
29.6	1.387 48	38.02 133	49.319 58	61.39 126	44.95 35	44.37 281	51.48 41	52.18 242
5 9.6	1.339 8	36.69 152	49.261 1	60.13 131	44.60 26	41.56 340	51.07 21	49.76 262
19.6	1.331 37	35.17 170	49.262 63	58.82 131	44.34 17	38.46 334	50.86 1	47.14 271
29.5	1.368 79	33.47 184	49.325 125	57.51 125	44.17 7	35.12 349	50.87 22	44.43 272
6 8.5	1.447 121	31.63 194	49.450 182	56.26 116	44.10 3	31.63 355	51.09 43	41.71 265
18.5	1.568 158	29.69 199	49.632 236	55.10 103	44.13 13	28.08 354	51.52 62	39.06 250
28.5	1.726 193	27.70 200	49.868 284	54.07 87	44.26 22	24.54 341	52.14 81	36.56 229
7 8.4	1.919 223	25.70 193	50.152 325	53.20 69	44.48 31	21.13 320	52.95 96	34.27 201
18.4	2.142 248	23.77 183	50.477 358	52.51 50	44.79 39	17.93 291	53.91 110	32.26 169
28.4	2.390 266	21.94 165	50.835 385	52.01 30	45.18 45	15.02 251	55.01 122	30.57 133
8 7.3	2.656 282	20.29 142	51.220 406	51.71 11	45.63 52	12.51 203	56.23 131	29.24 94
17.3	2.938 290	18.87 114	51.626 418	51.60 8	46.15 56	10.48 150	57.54 138	28.30 54
27.3	3.228 296	17.73 83	52.044 425	51.68 26	46.71 58	8.98 90	58.92 142	27.76 11
9 6.3	3.524 296	16.90 47	52.469 426	51.94 44	47.29 60	8.08 27	60.34 143	27.65 37
16.2	3.820 292	16.43 10	52.895 422	52.38 60	47.89 59	7.81 39	61.77 142	27.96 74
26.2	4.112 284	16.33 27	53.317 413	52.98 76	48.48 57	8.20 103	63.19 139	28.70 116
10 6.2	4.396 273	16.60 62	53.730 398	53.74 91	49.05 53	9.23 164	64.58 133	29.86 156
16.2	4.669 258	17.22 96	54.128 377	54.65 105	49.58 47	10.87 220	65.91 124	31.42 194
26.1	4.927 238	18.18 124	54.505 351	55.70 119	50.05 41	13.07 268	67.15 113	33.36 229
11 5.1	5.165 214	19.42 146	54.856 319	56.89 130	50.46 31	15.75 306	68.28 98	35.65 259
15.1	5.379 186	20.88 163	55.175 278	58.19 140	50.77 23	18.81 333	69.26 82	38.24 285
+25.0	5.565 153	22.51 172	55.453 232	59.59 148	51.00 12	22.14 347	70.08 62	41.09 303
12 5.0	5.718 115	24.23 175	55.685 180	61.07 153	51.12 1	25.61 349	70.70 42	44.12 312
14.9	5.833 76	25.98 170	55.865 120	62.60 154	51.13 9	29.10 340	71.12 20	47.24 315
24.9	5.909 32	27.68 160	55.985 59	64.14 149	51.04 20	32.50 318	71.32 3	50.39 306
34.9	5.941	29.28	56.044	65.63	50.84	35.68	71.29	53.45
中位	s 2.235	″ 36.93	s 50.609	″ 50.76	s 47.428	″ 38.00	s 56.804	″ 35.02
Sec & Tans	+1.010	-0.145	+1.438	+1.034	+2.585	-2.384	+5.326	+5.231
2回正中	12月 9日		12月 9日		12月 9日		12月 9日	
a b	+0.1439	-0.0020	+0.2208	+0.0141	-0.0024	-0.0318	+0.4950	+0.0696
a′ b′	+0.2078	-0.9782	+0.2043	-0.9789	+0.2003	-0.9797	+0.1996	-0.9799
FK3番号	194		193		196		191	

本初子午線正中時

星名	τ Orio				o Colm				12 G.Colm				ζ Pict			
等級 スペクトル型	3.68		B5		4.91		K0		5.75		A0		5.52		F8	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	5ʰ 15ᵐ		−6° 63′		5ʰ 15ᵐ		−34° 56′		5ʰ 17ᵐ		−27° 24′		5ʰ 18ᵐ		−50° 39′	
1 0.9	5.336ˢ	7	54.79″	144	37.518ˢ	41	42.82″	257	20.141ˢ	21	75.73″	233	7.143ˢ	98	41.52″	291
10.9	5.342	35	56.23	127	37.477	89	45.39	226	20.120	67	78.06	206	7.045	159	44.43	257
20.9	5.307	75	57.50	108	37.388	134	47.65	192	20.053	110	80.12	174	6.886	214	47.00	216
30.9	5.232	111	58.58	85	37.254	173	49.57	151	19.943	148	81.86	138	6.672	260	49.16	170
2 9.8	5.121	142	59.43	63	37.081	205	51.08	107	19.795	178	83.24	99	6.412	299	50.86	120
19.8	4.979	161	60.06	38	36.876	227	52.15	63	19.617	201	84.23	59	6.113	323	52.06	68
29.8	4.818	174	60.44	15	36.649	239	52.78	16	19.416	212	84.82	18	5.790	338	52.74	15
3 10.8	4.644	174	60.59	70	36.410	240	52.94	29	19.204	213	85.00	24	5.452	338	52.89	38
20.7	4.470	167	60.49	34	36.170	230	52.65	74	18.991	205	84.76	63	5.114	326	52.51	89
30.7	4.303	148	60.15	59	35.940	210	51.91	117	18.786	186	84.13	103	4.788	303	51.62	138
4 9.7	4.155	122	59.56	81	35.730	181	50.74	157	18.600	159	83.10	139	4.485	268	50.24	184
19.6	4.033	88	58.75	104	35.549	144	49.17	194	18.441	124	81.71	173	4.217	225	48.40	225
29.6	3.945	50	57.71	126	35.405	102	47.23	228	18.317	83	79.98	204	3.992	173	46.15	261
5 9.6	3.895	8	56.45	145	35.303	55	44.95	255	18.234	40	77.94	230	3.819	117	43.54	292
19.6	3.887	35	55.00	162	35.248	5	42.40	277	18.194	7	75.64	252	3.702	56	40.62	316
29.5	3.922	77	53.38	176	35.243	44	39.63	294	18.201	53	73.12	268	3.646	5	37.46	333
6 8.5	3.999	119	51.62	186	35.287	93	36.69	303	18.254	99	70.44	277	3.651	67	34.13	342
18.5	4.118	157	49.76	191	35.380	138	33.66	305	18.353	141	67.67	281	3.718	127	30.71	342
28.5	4.275	191	47.85	193	35.518	182	30.61	298	18.494	181	64.86	275	3.845	184	27.29	332
7 8.4	4.466	222	45.92	187	35.700	221	27.63	283	18.675	215	62.11	264	4.029	235	23.97	315
18.4	4.688	245	44.05	177	35.921	253	24.80	260	18.890	246	59.47	243	4.264	282	20.82	288
28.4	4.933	266	42.28	160	36.174	280	22.20	229	19.136	270	57.04	216	4.546	320	17.94	251
8 7.3	5.199	280	40.68	139	36.454	303	19.91	191	19.406	288	54.88	181	4.866	353	15.43	208
17.3	5.479	290	39.29	113	36.757	317	18.00	145	19.694	302	53.07	140	5.219	375	13.35	156
27.3	5.769	294	38.16	81	37.074	326	16.55	95	19.996	310	51.67	95	5.594	391	11.79	100
9 6.3	6.063	296	37.35	47	37.400	329	15.60	40	20.306	313	50.72	44	5.985	398	10.79	39
16.2	6.359	293	36.88	12	37.729	326	15.20	15	20.619	309	50.28	7	6.383	393	10.40	24
26.2	6.652	285	36.76	24	38.055	317	15.35	72	20.928	302	50.35	59	6.776	382	10.64	86
10 6.2	6.937	275	37.00	59	38.372	301	16.07	126	21.230	288	50.94	109	7.158	361	11.50	147
16.2	7.212	259	37.59	91	38.673	280	17.33	174	21.518	269	52.03	154	7.519	331	12.97	201
26.1	7.471	241	38.50	119	38.953	253	19.07	218	21.787	247	53.57	195	7.850	292	14.98	249
11 5.1	7.712	218	39.69	140	39.206	220	21.25	252	22.034	217	55.52	226	8.142	247	17.47	287
15.1	7.930	189	41.09	157	39.426	182	23.77	278	22.251	184	57.78	249	8.389	194	20.34	315
25.0	8.119	156	42.66	166	39.608	140	26.55	291	22.435	146	60.27	264	8.583	135	23.49	331
12 5.0	8.275	120	44.32	168	39.748	93	29.46	296	22.581	103	62.91	267	8.718	73	26.80	335
14.9	8.395	80	46.00	164	39.841	43	32.42	287	22.684	57	65.58	262	8.791	8	30.15	328
24.9	8.475	37	47.64	154	39.884	7	35.31	272	22.741	10	68.20	247	8.799	58	33.43	309
34.9	8.512		49.18		39.877		38.03		22.751		70.67		8.741		36.52	
平位	4.780ˢ		56.84″		36.457ˢ		42.00″		19.270ˢ		75.71″		5.411ˢ		39.79″	
Secδ, Tanδ	+1.007		−0.121		+1.220		−0.699		+1.127		−0.519		+1.578		−1.220	
2回正中	12月10日				12月10日				12月10日				12月10日			
a b	+0.1454		−0.0016		+0.1076		−0.0090		+0.1193		−0.0064		+0.0734		−0.0148	
a′ b′	+0.1948		−0.9809		+0.1925		−0.9813		+0.1852		−0.9827		+0.1819		−0.9833	
FK3番号	195				197				198				199			

本初子午線正中時

星名	†η Orio m				γ Orio				β Taur				17 Caml			
等級 スペクトル型	3.44		B1		1.70		B2		1.78		B8		5.75		K5	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	5ʰ 21ᵐ		−2° 26′		5ʰ 22ᵐ		+6° 18′		5ʰ 22ᵐ		+28° 33′		5ʰ 25ᵐ		+63° 1′	
1 0.9	52.174ˢ	18	33.37″	124	20.877ˢ	25	18.85″	78	60.608ˢ	35	61.88″	50	16.39ˢ	0	45.46″	236
10.9	52.192	25	34.61	110	20.902	19	18.07	67	60.643	17	62.38	48	16.39	9	47.82	218
20.9	52.167	67	35.71	93	20.883	61	17.40	57	60.626	65	62.86	43	16.30	17	50.00	193
30.9	52.100	104	36.64	74	20.822	99	16.83	45	60.561	108	63.29	37	16.13	26	51.93	160
2 9.8	51.996	134	37.38	55	20.723	130	16.38	34	60.453	144	63.66	26	15.87	33	53.53	122
19.8	51.862	157	37.93	35	20.593	153	16.04	22	60.309	170	63.92	16	15.54	37	54.75	79
29.8	51.705	169	38.28	15	20.440	167	15.82	11	60.139	187	64.08	3	15.17	40	55.54	33
3 10.8	51.536	172	38.43	5	20.273	169	15.71	1	59.952	188	64.11	10	14.77	40	55.87	13
20.7	51.364	165	38.38	26	20.104	161	15.72	12	59.764	179	64.01	20	14.37	38	55.74	58
30.7	51.199	147	38.12	45	19.943	145	15.84	24	59.585	161	63.81	31	13.99	35	55.16	99
4 9.7	51.052	122	37.67	65	19.798	118	16.08	37	59.424	129	63.50	37	13.64	29	54.17	134
19.7	50.930	89	37.02	85	19.680	84	16.45	50	59.295	92	63.13	42	13.35	23	52.83	165
29.6	50.841	51	36.17	104	19.596	46	16.95	64	59.203	48	62.71	42	13.12	14	51.18	187
5 9.6	50.790	9	35.13	121	19.550	4	17.59	77	59.155	0	62.29	40	12.98	6	49.31	203
19.6	50.781	33	33.92	137	19.546	39	18.36	90	59.155	49	61.89	36	12.92	4	47.28	210
29.5	50.814	75	32.55	151	19.585	82	19.26	102	59.204	98	61.53	28	12.96	12	45.18	211
6 8.5	50.889	116	31.04	160	19.667	124	20.28	112	59.302	145	61.25	19	13.08	21	43.07	206
18.6	51.005	155	29.44	167	19.791	161	21.40	120	59.447	187	61.06	9	13.29	30	41.01	193
28.5	51.160	189	27.77	169	19.952	196	22.60	124	59.634	227	60.97	1	13.59	37	39.08	177
7 8.4	51.349	218	26.08	166	20.148	226	23.84	125	59.861	259	60.98	11	13.96	44	37.31	155
18.4	51.567	244	24.42	158	20.374	250	25.09	121	60.120	286	61.09	19	14.40	49	35.76	130
28.4	51.811	263	22.84	145	20.624	270	26.30	114	60.406	309	61.28	27	14.89	54	34.46	102
8 7.4	52.074	278	21.39	127	20.894	284	27.44	102	60.715	325	61.55	33	15.43	58	33.44	74
17.3	52.352	289	20.12	104	21.178	294	28.46	86	61.040	336	61.88	36	16.01	60	32.70	42
27.3	52.641	295	19.08	77	21.472	301	29.32	68	61.376	342	62.24	38	16.61	63	32.28	11
9 6.3	52.936	296	18.31	47	21.773	301	30.00	45	61.718	344	62.62	39	17.24	62	32.17	20
16.2	53.232	294	17.84	16	22.074	300	30.45	23	62.062	342	63.01	38	17.86	63	32.37	52
26.2	53.526	289	17.68	17	22.374	294	30.68	2	62.404	337	63.39	37	18.49	62	32.89	83
10 6.2	53.815	278	17.85	48	22.668	285	30.66	24	62.741	326	63.76	36	19.11	59	33.72	114
16.2	54.093	266	18.33	76	22.953	272	30.42	46	63.067	312	64.12	34	19.70	57	34.86	142
26.1	54.359	247	19.09	101	23.225	254	29.96	64	63.379	294	64.46	35	20.27	53	36.28	169
11 5.1	54.606	226	20.10	121	23.479	233	29.32	78	63.673	270	64.81	36	20.80	47	37.97	193
15.1	54.832	198	21.31	135	23.712	207	28.54	87	63.943	239	65.17	38	21.27	42	39.90	214
25.1	55.030	167	22.66	144	23.919	175	27.67	94	64.182	205	65.55	40	21.69	33	42.04	231
12 5.0	55.197	130	24.10	145	24.094	138	26.73	94	64.387	164	65.95	44	22.02	26	44.35	240
14.9	55.327	91	25.55	142	24.232	99	25.79	91	64.551	118	66.39	47	22.28	17	46.75	244
24.9	55.418	47	26.97	133	24.331	55	24.88	85	64.669	68	66.86	48	22.45	7	49.19	240
34.9	55.465		28.30		24.386		24.03		64.737		67.34		22.52		51.59	
平位	51.646ˢ		36.16″		20.402ˢ		15.07″		60.130ˢ		55.63″		15.071ˢ		36.16″	
Secδ, Tanδ	+1.001		−0.048		+1.006		+0.110		+1.139		+0.544		+2.205		+1.965	
2回正中	12月11日				12月12日				12月12日				12月12日			
a b	+0.1505		−0.0005		+0.1606		+0.0012		+0.1892		+0.0058		+0.2828		+0.0198	
a′ b′	+0.1657		−0.9862		+0.1636		−0.9865		+0.1607		−0.9870		+0.1510		−0.9885	
FK3番号	200				201				202				203			

本初子午線正中時

星名	β Leps		δ Orio		α Leps		φ' Orio	
等スペク級 M型	2.96	G0	2.48	B0	2.69	F0	4.53	B0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m s 5 25	° ′ -20 47	h m s 5 29	° ′ -0 19	h m s 5 30	° ′ -17 51	h m s 5 31	° ′ +9 27
1 0.9	s 61.723	″ 57.59	s 21.417	″ 66.40	s 26.830	″ 27.62	s 38.309	″ 26.03
10.9	61.722 1	59.71 212	21.444 27	67.56 116	26.838 8	29.64 202	58.345 36	25.41 62
20.9	61.676 46	61.61 190	21.426 18	68.58 102	26.801 37	31.44 180	58.336 9	24.88 53
30.9	61.587 89	63.22 161	21.366 60	69.44 86	26.720 81	32.98 154	58.282 54	24.44 44
2 9.8	61.460 127	64.52 130	21.268 98	70.14 70	26.602 118	34.23 125	58.190 92	24.10 34
19.8	61.302 158	65.48 96	21.138 130	70.65 51	26.451 151	35.16 93	58.064 126	23.85 25
29.8	61.121 181	66.08 60	20.985 153	70.99 34	26.271 174	35.75 59	57.913 151	23.68 17
	195	24	167	15	188	26	165	8
3 10.8	60.926	66.32 72	20.818	71.14 3	26.089	36.01 9	57.748	23.60 1
20.7	60.728 198	66.20 48	20.646 172	71.11 20	25.897 192	35.92 41	57.578 170	23.59 8
30.7	60.538 190	65.72 83	20.481 165	70.91 39	25.712 185	35.51 75	57.414 164	23.67 17
	174		149		170		148	
4 9.7	60.364	64.89 116	20.332	70.52 57	25.542	34.76 106	57.266	23.84 27
19.7	60.216 148	63.73 147	20.208 124	69.95 75	25.397 145	33.70 135	57.143 123	24.11 37
29.6	60.101 115	62.26 176	20.116 92	69.20 92	25.284 113	32.35 163	57.053 90	24.48 48
	77		55		76		52	
5 9.6	60.024	60.50 200	20.061	68.28 109	25.208	30.72 186	57.001	24.96 59
19.6	59.988 36	58.50 221	20.047 14	67.19 124	25.174 34	28.86 207	56.991 10	25.55 71
29.5	59.997 9	56.29 238	20.075 28	65.95 136	25.182 8	26.79 224	57.024 33	26.26 81
	53		71		53		76	
6 8.5	60.050	53.91	20.146	64.59	25.235	24.55	57.100	27.07
18.5	60.146 96	51.43 248	20.257 111	63.12 147	25.330 95	22.21 234	57.217 117	27.99 92
28.5	60.283 137	48.91 252	20.407 150	61.58 154	25.464 134	19.82 239	57.373 156	28.97 98
	175	250	184	156	172	238	191	103
7 8.4	60.458	46.41	20.591	60.02	25.636	17.44	57.564	30.00
18.4	60.665 207	44.00 241	20.805 214	58.48 154	25.841 205	15.15 229	57.786 222	31.06 106
28.4	60.901 236	41.75 225	21.045 240	57.00 148	26.073 232	12.99 216	58.033 247	32.09 103
	260	201	260	135	255	19.3	267	98
8 7.4	61.161	39.74	21.305	55.65	26.328	11.06	58.300	33.07
17.3	61.438 277	38.03 171	21.581 276	54.45 120	26.602 274	9.40 166	58.584 284	33.96 89
27.3	61.729 291	36.68 135	21.868 287	53.47 98	26.889 287	8.09 131	58.878 294	34.71 75
	300	94	294	74	296	93	302	60
9 6.3	62.029	35.74	22.162	52.73	27.185	7.16	59.180	35.31
16.2	62.331 302	35.26 48	22.459 297	52.28 45	27.485 300	6.66 50	59.485 305	35.72 41
26.2	62.633 302	35.24 2	22.755 296	52.12 16	27.784 299	6.61 5	59.789 304	35.93 21
	295	46	291	74	294	40	300	0
10 6.2	62.928	35.70	23.046	52.26	28.078	7.01	60.089	35.93
16.2	63.213 285	36.62 92	23.329 283	52.70 44	28.362 284	7.85 84	60.381 292	35.73 20
26.1	63.482 269	37.96 134	23.600 271	53.40 70	28.632 270	9.10 125	60.662 281	35.35 38
	249	171	254	95	252	161	265	54
11 5.1	63.731	39.67	23.854	54.35	28.884	10.71	60.927	34.81
15.1	63.955 224	41.69 202	24.086 232	55.47 112	29.111 227	12.60 189	61.171 244	34.15 66
25.1	64.148 193	43.92 223	24.293 207	56.74 127	29.309 198	14.72 212	61.389 218	33.40 75
	159	238	176	134	164	224	187	78
12 5.0	64.307	46.30	24.469	58.08	29.473	16.96	61.576	32.62
14.9	64.425 118	48.71 241	24.608 139	59.43 135	29.599 126	19.25 229	61.727 151	31.83 79
24.9	64.500 75	51.09 238	24.707 99	60.76 133	29.682 83	21.51 226	61.837 110	31.08 75
34.9	64.530 30	53.34 225	24.764 57	62.00 124	29.720 38	23.65 214	61.904 67	30.40 68
平均	s 60.967	″ 58.70	s 20.892	″ 69.62	s 26.116	″ 29.23	s 57.827	″ 21.79
Sec&Tang	+1.070	-0.360	+1.000	-0.006	+1.051	-0.322	+1.014	+0.167
2回正中	12月12日		12月13日		12月14日		12月14日	
a b	+0.1283	-0.0037	+0.1530	-0.0001	+0.1320	-0.0028	+0.1644	+0.0014
a' b'	+0.1477	-0.9890	+0.1333	-0.9911	+0.1286	-0.9917	+0.1220	-0.9925
FK3番号	204		206		207		208	

本初子午線正中時

星名	Grb 966 Caml		ι Orio		β Dora		ε Orio	
等スペク級 トル型	6.36	K5	2.87	Oe5	3.81	F5p	1.75	B0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 5 32	° ′ +75 0	h m s 5 32	″ -5 56	h m s 5 33	° ′ -62 30	h m s 5 33	° ′ -1 13
1 0.9	s 48.34	″ 58.37	s 53.843	″ 30.03	s 13.02	″ 85.55	s 34.929	″ 57.50
10.9	48.31 3	61.24 287	53.867 24	31.49 146	12.86 16	88.69 314	34.959 30	58.71 121
20.9	48.11 20	63.93 269	53.848 19	32.79 130	12.61 25	91.51 282	34.944 15	59.79 108
30.9	47.75 36	66.32 239	53.785 63	33.90 111	12.29 32	93.92 241	34.886 58	60.70 91
	49	202	100	89	38	194	96	74
2 9.9	47.26	68.34 157	53.685	34.79 67	11.91	95.86 143	34.790	61.44
19.8	46.65 61	69.91 106	53.552 133	35.46 44	11.47 44	97.29 90	34.661 129	61.99 55
29.8	45.97 68	70.97 52	53.395 157	35.90 20	10.99 48	98.19 34	34.509 152	62.35 36
	74		171		49		168	17
3 10.8	45.23	71.49 2	53.224	36.10 4	10.50	98.53 20	34.341	62.52 2
20.7	44.49 74	71.47 57	53.049 175	36.06 26	10.00 50	98.33 74	34.169 172	62.50 21
30.7	43.76 73	70.90 106	52.879 170	35.80 50	9.51 49	97.59 126	34.003 166	62.29 40
	66		154		46		151	
4 9.7	43.10 58	69.84 152	52.725 130	35.30 73	9.05 42	96.33 174	33.852 127	61.89 59
19.7	42.52 46	68.32 189	52.595 99	34.57 94	8.63 37	94.59 218	33.725 95	61.30 77
29.6	42.06 33	66.43 220	52.496 62	33.63 115	8.26 30	92.41 258	33.630 59	60.53 95
5 9.6	41.73 18	64.23 242	52.434 22	32.48 134	7.96 24	89.83 291	33.571 18	59.58 112
19.6	41.55 3	61.81 255	52.412 20	31.14 151	7.72 15	86.92 319	33.553 23	58.46 127
29.6	41.52 12	59.26 261	52.432 62	29.63 165	7.57 8	83.73 337	33.576 67	57.19 140
6 8.5	41.64	56.65	52.494	27.98	7.49	80.36	33.643	55.79
18.5	41.92 28	54.08 257	52.598 104	26.23 175	7.50 1	76.87 349	33.749 106	54.28 151
28.5	42.34 42	51.62 246	52.739 141	24.41 182	7.59 9	73.36 351	33.894 145	52.72 156
	56	230	177	183	17	344	180	160
7 8.4	42.90	49.32	52.916	22.58	7.76	69.92	34.074	51.12
18.4	43.57 67	47.25 207	53.124 208	20.78 180	8.00 24	66.65 327	34.284 210	49.55 157
28.4	44.36 79	45.46 179	53.357 233	19.08 170	8.31 31	63.64 301	34.520 236	48.05 150
	87	148	255	155	38	266	257	139
8 7.4	45.23	43.98	53.612	17.53	8.69	60.98	34.777	46.66
17.3	46.18 95	42.85 113	53.884 272	16.18 135	9.11 42	58.75 273	35.051 274	45.45 121
27.3	47.18 100	42.08 77	54.168 284	15.09 109	9.58 47	57.04 171	35.336 285	44.46 99
	104	37	291	80	49	113	292	74
9 6.3	48.22	41.71 2	54.459	14.29	10.07	55.91	35.628	43.72
16.3	49.28 106	41.73 42	54.755 296	13.82 47	10.58 51	55.40 51	35.925 297	43.27 45
26.2	50.34 106	42.15 82	55.049 294	13.69 13	11.10 52	55.54 14	36.220 295	43.12 15
	105		291	24	50	79	293	17
10 6.2	51.39	42.97	55.340	13.93	11.60	56.33	36.513	43.29
16.2	52.40 101	44.19 122	55.627 282	14.50 57	12.07 47	57.75 142	36.797 284	43.75 46
26.1	53.36 96	45.77 158	55.893 271	-15.39 89	12.51 44	59.75 200	37.069 272	44.50 75
	89	195	253	117	38	252	257	98
11 5.1	54.25	47.72	56.146	16.56	12.89	62.27	37.326	45.48
15.1	55.05 80	49.98 226	56.379 233	17.96 140	13.21 32	65.21 294	37.561 235	46.66 118
25.1	55.73 68	52.51 253	56.584 205	19.52 156	13.46 25	68.47 326	37.771 210	47.99 133
	56	275	175	165	16	346	178	140
12 5.0	56.29	55.26	56.759	21.17	13.62	71.93	37.949	49.39
14.9	56.69 40	58.15 289	56.897 138	22.86 169	13.69 7	75.46 353	38.092 143	50.81 142
24.9	56.94 25	61.10 295	56.994 97	24.51 165	13.68 1	78.96 348	38.195 103	52.20 139
34.9	57.01 7	64.03 293	57.048 54	26.07 156	13.57 11	82.26 332	38.254 59	53.51 131
平均	s 45.469	″ 48.78	s 53.268	″ 32.81	s 10.232	″ 84.81	s 34.391	″ 60.73
Sec&Tang	+3.867	+3.736	+1.005	-0.104	+2.167	-1.923	+1.000	-0.022
2回正中	12月14日		12月14日		12月14日		12月14日	
a b	+0.4006	+0.0795	+0.1464	-0.0008	+0.0260	-0.0150	+0.1519	-0.0002
a' b'	+0.1186	-0.9929	+0.1180	-0.9930	+0.1168	-0.9932	+0.1151	-0.9934
FK3番号	205		209		212		210	

本初子午線正中時

星名	γ Mens				ζ Taur				† σ Orion				α Colm			
等級 スペクトル型	5.06		K0		3.00		B3p		3.78		B0		2.75		B5p	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	5h 33m		−76° 22′		5h 34m		+21° 6′		5h 36m		−2° 37′		5h 37m		−34° 5′	
1 0.9	62.31s	45	45.81″	309	32.572s	44	50.90″	5	8.581s	31	39.42″	130	46.928s	15	61.56″	268
10.9	61.86	60	48.90	276	32.616	4	50.95	9	8.612	14	40.72	116	46.913	67	64.24	241
20.9	61.26	74	51.66	235	32.612	51	51.04	11	8.598	57	41.88	98	46.846	114	66.65	207
30.9	60.52	85	54.01	189	32.561	94	51.15	11	8.541	96	42.86	79	46.732	157	68.72	170
2 9.9	59.67	95	55.90	138	32.467	129	51.26	10	8.445	129	43.65	59	46.575	192	70.42	128
19.8	58.72	100	57.28	85	32.338	156	51.36	6	8.316	152	44.24	39	46.383	218	71.70	84
29.8	57.72	105	58.13	30	32.182	173	51.42	3	8.164	168	44.63	19	46.165	234	72.54	39
3 10.8	56.67	105	58.43	23	32.009	178	51.45	2	7.996	173	44.82	2	45.931	239	72.93	7
20.7	55.62	102	58.20	77	31.831	172	51.43	6	7.823	168	44.80	22	45.692	233	72.86	51
30.7	54.60	98	57.43	127	31.659	155	51.37	8	7.655	153	44.58	42	45.459	217	72.35	95
4 9.7	53.62	91	56.16	176	31.504	128	51.29	10	7.502	129	44.16	62	45.242	192	71.40	135
19.7	52.71	81	54.40	218	31.376	94	51.19	8	7.373	98	43.54	82	45.050	158	70.05	174
29.6	51.90	70	52.22	257	31.282	54	51.11	6	7.275	61	42.72	100	44.892	119	68.31	209
5 9.6	51.20	57	49.65	290	31.228	10	51.05	0	7.214	22	41.72	118	44.773	75	66.22	238
19.6	50.63	43	46.75	316	31.218	36	51.05	5	7.192	20	40.54	133	44.698	27	63.84	263
29.6	50.20	27	43.59	335	31.254	82	51.10	14	7.212	63	39.21	147	44.671	27	61.21	282
6 8.5	49.93	12	40.24	345	31.336	126	51.24	22	7.275	103	37.74	157	44.692	69	58.39	294
18.5	49.81	4	36.79	347	31.462	166	51.46	30	7.378	142	36.17	163	44.761	114	55.45	299
28.5	49.85	21	33.32	340	31.628	203	51.76	37	7.520	176	34.54	166	44.875	158	52.46	295
7 8.4	50.06	35	29.92	323	31.831	235	52.13	43	7.696	207	32.88	163	45.033	198	49.51	285
18.4	50.41	50	26.69	297	32.066	262	52.56	48	7.903	234	31.25	156	45.231	232	46.66	264
28.4	50.91	63	23.72	262	32.328	285	53.04	49	8.137	254	29.69	143	45.463	262	44.02	236
8 7.4	51.54	73	21.10	219	32.613	300	53.53	49	8.391	271	28.26	124	45.725	286	41.66	201
17.3	52.27	83	18.91	167	32.913	313	54.02	45	8.662	284	27.02	102	46.011	305	39.65	158
27.3	53.10	89	17.24	110	33.226	321	54.47	41	8.946	292	26.00	76	46.316	317	38.07	109
9 6.3	53.99	93	16.14	49	33.547	324	54.88	33	9.238	295	25.24	45	46.633	325	36.98	56
16.3	54.92	93	15.65	16	33.871	324	55.21	25	9.533	296	24.79	14	46.958	326	36.42	1
26.2	55.85	91	15.81	80	34.195	320	55.46	16	9.829	292	24.65	19	47.284	322	36.41	56
10 6.2	56.76	85	16.61	142	34.515	313	55.62	8	10.121	285	24.84	50	47.606	310	36.97	110
16.2	57.61	77	18.03	200	34.828	301	55.70	0	10.406	273	25.34	79	47.916	294	38.07	161
26.1	58.38	66	20.03	251	35.129	284	55.70	6	10.679	257	26.13	105	48.210	270	39.68	207
11 5.1	59.04	53	22.54	292	35.413	264	55.64	9	10.936	237	27.18	125	48.480	241	41.75	244
15.1	59.57	36	25.46	323	35.677	237	55.55	10	11.173	211	28.43	140	48.721	206	44.19	272
25.1	59.93	20	28.69	342	35.914	204	55.45	10	11.384	179	29.83	149	48.927	165	46.91	290
12 5.0	60.13	1	32.11	348	36.118	167	55.35	7	11.563	144	31.32	151	49.092	119	49.81	298
15.0	60.14	16	35.59	343	36.285	124	55.28	3	11.707	104	32.83	148	49.211	69	52.79	295
24.9	59.98	34	39.02	327	36.409	76	55.25	1	11.811	61	34.31	139	49.280	19	55.74	282
34.9	59.64		42.29		36.485		55.26		11.872		35.70		49.299		58.56	
平 位	55.950s		45.00″		32.092s		45.52″		8.029s		42.60″		45.866s		62.44″	
Sec&Tanδ	+4.247		−4.127		+1.072		+0.386		+1.001		−0.046		+1.208		−0.677	
2回正中	12月14日				12月15日				12月15日				12月15日			
a b	−0.1200		−0.0312		+0.1789		+0.0029		+0.1503		−0.0003		+0.1084		−0.0044	
a′ b′	+0.1135		−0.9935		+0.1109		−0.9938		+0.1040		−0.9946		+0.0969		−0.9953	
FK3番号	214				211				213				215			

本初子午線正中時

星名	ο Auri				γ Leps				130 Taur				ζ Leps			
等級 スペクトル型	5.52		A0		3.80		F8		5.51		F0		3.67		A2	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	5h 41m		+49° 48′		5h 42m		−22° 27′		5h 44m		+17° 42′		5h 44m		−14° 50′	
1 0.9	52.972s	54	28.86″	171	18.471s	10	48.75″	228	24.651s	53	45.99″	16	36.557s	25	21.49″	194
10.9	53.026	17	30.57	164	18.481	37	51.03	206	24.704	4	45.83	10	36.582	21	23.43	175
20.9	53.009	83	32.21	148	18.444	82	53.09	177	24.708	43	45.73	5	36.561	65	25.18	152
30.9	52.926	145	33.69	128	18.362	123	54.86	145	24.665	85	45.68	1	36.496	105	26.70	124
2 9.9	52.781	197	34.97	102	18.239	156	56.31	110	24.580	122	45.67	1	36.391	139	27.94	94
19.8	52.584	236	35.99	71	18.083	181	57.41	74	24.458	150	45.68	2	36.252	165	28.88	64
29.8	52.348	260	36.70	38	17.902	198	58.15	36	24.308	167	45.70	2	36.087	180	29.52	32
3 10.8	52.088	269	37.08	5	17.704	203	58.51	1	24.141	175	45.72	2	35.907	187	29.84	1
20.7	51.819	261	37.13	29	17.501	198	58.50	39	23.966	170	45.74	1	35.720	183	29.85	30
30.7	51.558	240	36.84	60	17.303	184	58.11	74	23.796	156	45.75	1	35.537	170	29.55	61
4 9.7	51.318	203	36.24	88	17.119	160	57.37	109	23.640	130	45.76	3	35.367	147	28.94	90
19.7	51.115	157	35.36	111	16.959	129	56.28	142	23.510	99	45.79	6	35.220	117	28.04	118
29.6	50.958	100	34.25	128	16.830	92	54.86	171	23.411	61	45.85	11	35.103	81	26.86	144
5 9.6	50.858	41	32.97	141	16.738	51	53.15	198	23.350	18	45.96	16	35.022	42	25.42	168
19.6	50.817	25	31.56	147	16.687	8	51.17	220	23.332	26	46.12	24	34.980	1	23.74	187
29.6	50.842	88	30.09	149	16.679	36	48.97	237	23.358	70	46.36	31	34.981	42	21.87	204
6 8.5	50.930	152	28.60	145	16.715	79	46.60	249	23.428	113	46.67	39	35.023	84	19.83	216
18.5	51.082	209	27.15	136	16.794	121	44.11	254	23.541	153	47.06	46	35.107	124	17.67	221
28.5	51.291	264	25.79	125	16.915	159	41.57	254	23.694	190	47.52	52	35.231	161	15.46	222
7 8.4	51.555	312	24.54	110	17.074	194	39.03	244	23.884	222	48.04	57	35.392	193	13.24	217
18.4	51.867	353	23.44	93	17.268	223	36.59	229	24.106	249	48.61	58	35.585	221	11.07	203
28.4	52.220	386	22.51	75	17.491	250	34.30	207	24.355	272	49.19	58	35.806	246	9.04	185
8 7.4	52.606	414	21.76	55	17.741	270	32.23	176	24.627	289	49.77	54	36.052	265	7.19	159
17.3	53.020	433	21.21	35	18.011	285	30.47	140	24.916	302	50.31	48	36.317	279	5.60	128
27.3	53.453	448	20.86	15	18.296	297	29.07	99	25.218	311	50.79	40	36.596	290	4.32	93
9 6.3	53.901	456	20.71	6	18.593	302	28.08	52	25.529	316	51.19	29	36.886	297	3.39	52
16.3	54.357	457	20.77	25	18.895	304	27.56	5	25.845	318	51.48	17	37.183	297	2.87	10
26.2	54.814	454	21.02	45	19.199	301	27.51	44	26.163	316	51.65	5	37.480	295	2.77	34
10 6.2	55.268	444	21.47	66	19.500	292	27.95	92	26.479	309	51.70	7	37.775	289	3.11	75
16.2	55.712	428	22.13	84	19.792	279	28.87	137	26.788	300	51.63	18	38.064	277	3.86	115
26.1	56.140	404	22.97	104	20.071	260	30.24	176	27.088	285	51.45	26	38.341	260	5.01	150
11 5.1	56.544	374	24.01	122	20.331	236	32.00	208	27.373	266	51.19	32	38.601	239	6.51	178
15.1	56.918	334	25.23	138	20.567	206	34.08	233	27.639	240	50.87	35	38.840	212	8.29	199
25.1	57.252	287	26.61	152	20.773	172	36.41	248	27.879	209	50.52	34	39.052	179	10.28	213
12 5.0	57.539	231	28.13	164	20.945	131	38.89	255	28.088	172	50.18	32	39.231	142	12.41	219
15.0	57.770	168	29.77	170	21.076	88	41.44	252	28.260	131	49.86	28	39.373	100	14.60	216
24.9	57.938	101	31.47	172	21.164	41	43.96	240	28.391	84	49.58	22	39.473	56	16.76	206
34.9	58.039		33.19		21.205		46.36		28.475		49.36		39.529		18.82	
平 位	52.135s		21.26″		17.670s		50.57″		24.156s		40.96″		35.869s		24.01″	
Sec&Tanδ	+1.549		+1.184		+1.082		−0.413		+1.050		+0.319		+1.035		−0.265	
2回正中	12月16日				12月17日				12月17日				12月17日			
a b	+0.2320		+0.0062		+0.1269		−0.0021		+0.1746		+0.0015		+0.1357		−0.0012	
a′ b′	+0.0790		−0.9969		+0.0772		−0.9970		+0.0680		−0.9977		+0.0672		−0.9977	
FK3番号	216				217				218				219			

本初子午線正中時

星名	κ Orio		ν Auri		δ Leps		β Colm	
等級	2.20		4.18		3.90		3.22	
スペクトル型	B0		K0		K0		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 5 45	° ′ −9 40	h m 5 47	° ′ +39 8	h m 5 49	° ′ −20 52	h m 5 49	° ′ −35 46
	s	″	s	″	s	″	s	″
1 0.9	17.964	69.08	53.665	13.99	5.832	53.44	8.608	70.63
		32	63		22		8	
10.9	17.996	70.77	53.728	15.10	5.854	55.70	8.600	73.42
		14	4	111	26	226	60	279
20.9	17.982	72.30	53.732	16.19	5.828	57.74	8.540	75.95
		58	54	109	72	204	110	253
30.9	17.924	73.61	53.678	17.20	5.756	59.52	8.430	78.15
		131	106	101	112	178	155	220
		107		90		147		183
2 9.9	17.827	74.68	53.572	18.10	5.644	60.99	8.275	79.98
		82	152	72	148	114	193	140
19.8	17.696	75.50	53.420	18.82	5.496	62.13	8.082	81.38
		55	186	53	174	78	220	96
29.8	17.539	76.05	53.234	19.35	5.322	62.91	7.862	82.34
		28	208	31	191	43	239	51
3 10.8	17.366	76.33	53.026	19.66	5.131	63.34	7.623	82.85
		1	217	−8	198	6	247	4
20.8	17.186	76.34	52.809	19.74	4.933	63.40	7.376	82.89
		26	213	15	195	30	242	42
30.7	17.010	76.08	52.596	19.59	4.738	63.10	7.134	82.47
		52	195	37	182	66	229	86
4 9.7	16.848	75.56	52.401	19.22	4.556	62.44	6.905	81.61
		77	166	55	159	99	204	128
19.7	16.708	74.79	52.235	18.67	4.397	61.45	6.701	80.33
		102	127	71	130	130	172	168
29.6	16.598	73.77	52.108	17.96	4.267	60.15	6.529	78.65
		125	81	82	94	161	133	204
5 9.6	16.523	72.52	52.027	17.14	4.173	58.54	6.396	76.61
		146	31	90	55	186	90	236
19.6	16.487	71.06	51.996	16.24	4.118	56.68	6.306	74.25
		36	24	92	11	209	44	262
29.6	16.493	69.42	52.020	15.32	4.107	54.59	6.262	71.63
		164	77	92	31	226	6	283
		179						
6 8.5	16.541	67.63	52.097	14.40	4.138	52.33	6.268	68.80
		191	130	87	74	239	53	296
18.5	16.629	65.72	52.227	13.53	4.212	49.94	6.321	65.84
		196	178	80	115	245	101	303
28.5	16.756	63.76	52.405	12.73	4.327	47.49	6.422	62.81
		199	224	72	153	246	145	300
7 8.5	16.920	61.77	52.629	12.01	4.480	45.03	6.567	59.81
		193	264	60	188	238	186	291
18.4	17.115	59.84	52.893	11.41	4.668	42.66	6.753	58.90
		183	298	49	217	224	222	272
28.4	17.338	58.01	53.191	10.92	4.885	40.41	6.975	54.18
		167	326	37	244	202	255	245
8 7.4	17.583	56.34	53.517	10.55	5.129	38.39	7.230	51.73
		145	348	25	265	174	281	209
17.3	17.848	54.89	53.865	10.30	5.394	36.65	7.511	49.64
		117	366	15	281	140	302	168
27.3	18.126	53.72	54.231	10.15	5.675	35.25	7.813	47.96
		85	377	3	294	99	318	119
9 6.3	18.414	52.87	54.608	10.12	5.969	34.26	8.131	46.77
		49	385	−7	300	55	328	65
16.3	18.709	52.38	54.993	10.19	6.269	33.71	8.459	46.12
		11	387	17	304	9	331	9
26.2	19.004	52.27	55.380	10.36	6.573	33.62	8.790	46.03
		27	386	27	301	40	329	48
10 6.2	19.298	52.54	55.766	10.63	6.874	34.02	9.119	46.51
		66	378	36	295	87	319	105
16.2	19.585	53.20	56.144	10.99	7.169	34.89	9.438	47.56
		101	367	47	283	130	305	157
26.2	19.861	54.21	56.511	11.46	7.452	36.19	9.743	49.13
		132	350	57	266	170	282	204
11 5.1	20.122	55.53	56.861	12.03	7.718	37.89	10.025	51.17
		157	325	68	243	202	254	244
15.1	20.363	57.10	57.186	12.71	7.961	39.91	10.279	53.61
		177	294	79	215	226	218	275
25.1	20.577	58.87	57.480	13.50	8.176	42.17	10.497	56.36
		188	256	90	181	243	178	295
12 5.0	20.760	60.75	57.736	14.40	8.357	44.60	10.675	59.31
		192	211	98	143	250	131	304
15.0	20.907	62.67	57.947	15.38	8.500	47.10	10.806	62.35
		190	159	105	99	248	80	304
24.9	21.013	64.57	58.106	16.43	8.599	49.58	10.886	65.39
		181	103	110	52	238	28	292
34.9	21.075	66.38	58.209	17.53	8.651	51.96	10.914	68.31
平位	s 17.336	″ 72.00	s 53.027	″ 7.37	s 5.052	″ 55.81	s 7.489	″ 72.25
Sec δ Tan δ	+1.014	−0.171	+1.289	+0.814	+1.070	−0.382	+1.233	−0.721
2回正中	12月17日		12月18日		12月18日		12月18日	
a b	+0.1420	−0.0007	+0.2075	+0.0029	+0.1279	−0.0012	+0.1053	−0.0023
a′ b′	+0.0641	−0.9979	+0.0528	−0.9986	+0.0476	−0.9989	+0.0474	−0.9989
FK3番号	220		221		222		223	

本初子午線正中時

星名	α Orio		η Leps		δ Auri		β Auri	
等級	0.1-1.2		3.77		3.88		2.07	
スペクトル型	M0		F0		K0		A0p	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 5 52	° ′ +7 23	h m 5 54	° ′ −14 10	h m 5 55	° ′ +54 16	h m 5 55	° ′ +44 56
	s	″	s	″	s	″	s	″
1 0.9	21.845	60.95	2.792	29.95	15.673	66.84	43.551	46.59
	54	79	35	196	74	196	74	145
10.9	21.899	60.16	2.827	31.91	15.747	68.80	43.625	48.04
	7	68	12	176	5	189	9	141
20.9	21.906	59.48	2.815	33.67	15.742	70.69	43.634	49.45
	38	56	57	153	80	174	55	132
30.9	21.868	58.92	2.758	35.20	15.662	72.43	43.579	50.77
	80	44	98	127	151	153	114	117
2 9.9	21.788	58.48	2.660	36.47	15.511	73.96	43.465	51.94
	116	32	134	97	210	126	164	97
19.8	21.672	58.16	2.526	37.44	15.301	75.22	43.301	52.91
	143	21	160	68	256	93	203	73
29.8	21.529	57.95	2.366	38.12	15.045	76.15	43.098	53.64
	162	10	178	37	286	57	229	45
3 10.8	21.367	57.85	2.188	38.49	14.759	76.72	42.869	54.09
	170	−1	186	5	300	19	241	16
20.8	21.197	57.86	2.002	38.54	14.459	76.91	42.628	54.25
	167	11	183	24	296	19	237	12
30.7	21.030	57.97	1.819	38.30	14.163	76.72	42.391	54.13
	154	21	171	56	276	54	220	40
4 9.7	20.876	58.18	1.648	37.74	13.887	76.18	42.171	53.73
	132	32	150	83	260	87	191	65
19.7	20.744	58.50	1.498	36.91	13.647	75.31	41.980	53.08
	102	43	121	112	192	116	150	86
29.6	20.642	58.93	1.377	35.79	13.455	74.15	41.830	52.22
	67	55	87	137	133	139	101	102
5 9.6	20.575	59.48	1.290	34.42	13.322	72.76	41.729	51.20
	28	66	48	161	69	155	46	115
19.6	20.547	60.14	1.242	32.81	13.253	71.21	41.683	50.05
	15	78	7	181	7	167	10	121
29.6	20.562	60.92	1.235	31.00	13.254	69.54	41.693	48.84
	56	88	34	197	70	171	70	123
6 8.5	20.618	61.80	1.269	29.03	13.324	67.83	41.763	47.61
	97	96	76	209	139	171	126	122
18.5	20.715	62.76	1.345	26.94	13.463	66.12	41.889	46.39
	136	103	116	216	204	166	181	116
28.5	20.851	63.79	1.461	24.78	13.667	64.46	42.070	45.23
	171	107	152	218	265	156	230	107
7 8.5	21.022	64.86	1.613	22.60	13.932	62.90	42.300	44.16
	203	108	185	212	320	142	274	96
18.4	21.225	65.94	1.798	20.48	14.252	61.48	42.574	43.20
	230	105	214	201	367	125	313	83
28.4	21.455	66.99	2.012	18.47	14.619	60.23	42.887	42.37
	252	98	239	182	407	106	346	69
8 7.4	21.707	67.97	2.251	16.65	15.026	59.17	43.233	41.68
	270	87	260	159	440	86	372	54
17.3	21.977	68.84	2.511	15.06	15.466	58.31	43.605	41.14
	285	73	275	128	465	64	392	39
27.3	22.262	69.57	2.786	13.78	15.931	57.67	43.997	40.75
	294	54	286	93	485	41	407	23
9 6.3	22.556	70.11	3.072	12.85	16.416	57.26	44.404	40.52
	301	35	295	53	497	17	417	8
16.3	22.857	70.46	3.367	12.32	16.913	57.09	44.821	40.44
	302	12	297	13	502	7	421	7
26.2	23.159	70.58	3.664	12.19	17.415	57.16	45.242	40.51
	303	11	297	31	502	31	421	23
10 6.2	23.462	70.47	3.961	12.50	17.917	57.47	45.663	40.74
	297	33	291	73	494	55	415	38
16.2	23.759	70.14	4.252	13.23	18.411	58.02	46.078	41.12
	289	53	281	111	478	79	403	55
26.2	24.048	69.61	4.533	14.34	18.889	58.81	46.481	41.67
	275	71	266	147	455	103	385	70
11 5.1	24.323	68.90	4.799	15.81	19.344	59.84	46.866	42.37
	258	85	247	175	423	126	359	87
15.1	24.581	68.05	5.046	17.56	19.767	61.10	47.225	43.24
	233	93	220	197	381	147	326	102
25.1	24.814	67.12	5.266	19.53	20.148	62.57	47.551	44.26
	204	99	188	212	330	166	285	117
12 5.0	25.018	66.13	5.454	21.65	20.478	64.23	47.836	45.43
	169	98	152	217	270	180	235	128
15.0	25.187	65.15	5.606	23.82	20.748	66.03	48.071	46.71
	129	94	110	216	200	190	179	138
24.9	25.316	64.21	5.716	25.98	20.948	67.93	48.250	48.09
	84	87	65	206	125	194	117	142
34.9	25.400	63.34	5.781	28.04	21.073	69.87	48.367	49.51
平位	s 21.325	″ 56.65	s 2.105	″ 32.95	s 14.641	″ 59.58	s 42.785	″ 39.88
Sec δ Tan δ	+1.008	+0.130	+1.031	−0.253	+1.713	+1.391	+1.413	+0.998
2回正中	12月19日		12月20日		12月20日		12月20日	
a b	+0.1620	+0.0003	+0.1365	−0.0004	+0.2460	+0.0019	+0.2199	+0.0013
a′ b′	+0.0334	−0.9994	+0.0260	−0.9997	+0.0208	−0.9998	+0.0187	−0.9998
FK3番号	224		226		225		227	

本初子午線正中時

星名	†ϑ Auri				η Colm				66 Orio				1G. Pupp			
等級 スペクトル型	2.71		A0p		4.03		K0		5.70		K0		6.22		F8	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m s		° ′ ″		h m s		° ′ ″		h m s		° ′ ″		h m s		° ′ ″	
	5 56		+37 12		5 57		−42 48		6 2		+4 9		6 2		−45 1	
1 0.9	11.080	73	45.74	100	34.569	17	59.75	304	13.955	61	51.78	101	59.978	17	65.09	312
10.9	11.153	15	46.74	99	34.552	75	62.79	278	14.016	14	50.77	88	59.961	78	68.21	287
20.9	11.168	43	47.73	94	34.477	130	65.57	245	14.030	33	49.89	74	59.883	135	71.08	253
30.9	11.125	95	48.67	85	34.347	179	68.02	205	13.997	74	49.15	59	59.748	186	73.61	215
2 9.9	11.030	141	49.52	71	34.168	221	70.07	162	13.923	112	48.56	44	59.562	230	75.76	169
19.8	10.889	176	50.23	53	33.947	252	71.69	114	13.811	140	48.12	29	59.332	264	77.45	122
29.8	10.713	199	50.76	35	33.695	273	72.87	65	13.671	160	47.83	15	59.068	286	78.67	73
3 10.8	10.514	210	51.11	13	33.422	283	73.48	16	13.511	169	47.68	1	58.782	296	79.40	22
20.8	10.304	207	51.24	8	33.139	280	73.64	33	13.342	168	47.67	12	58.486	295	79.62	27
30.7	10.097	193	51.16	28	32.859	266	73.31	82	13.174	157	47.79	26	58.191	283	79.35	77
4 9.7	9.904	165	50.88	45	32.593	243	72.49	127	13.017	137	48.05	40	57.908	259	78.58	124
19.7	9.739	128	50.43	60	32.350	210	71.22	171	12.880	108	48.45	53	57.649	226	77.34	168
29.7	9.611	85	49.83	72	32.140	169	69.51	209	12.772	75	48.98	66	57.423	186	75.66	208
5 9.6	9.526	37	49.11	78	31.971	124	67.42	244	12.697	37	49.64	79	57.237	140	73.58	244
19.6	9.489	16	48.33	82	31.847	74	64.98	272	12.660	4	50.43	92	57.097	89	71.14	274
29.6	9.505	67	47.51	82	31.773	23	62.26	296	12.664	45	51.35	102	57.008	36	68.40	297
6 8.5	9.572	119	46.69	78	31.750	31	59.30	310	12.709	86	52.37	112	56.972	18	65.43	314
18.5	9.691	166	45.91	73	31.781	82	56.20	318	12.795	124	53.49	118	56.990	71	62.29	322
28.5	9.857	211	45.18	65	31.863	131	53.02	317	12.919	159	54.67	122	57.061	123	59.07	322
7 8.5	10.068	250	44.53	56	31.994	178	49.85	307	13.078	192	55.89	121	57.184	172	55.85	313
18.4	10.318	283	43.97	46	32.172	220	46.78	289	13.270	218	57.10	117	57.356	216	52.72	295
28.4	10.601	313	43.51	37	32.392	258	43.89	261	13.488	243	58.27	108	57.572	257	49.77	267
8 7.4	10.914	335	43.14	26	32.650	290	41.28	224	13.731	261	59.35	95	57.829	291	47.10	232
17.4	11.249	353	42.88	18	32.940	316	39.04	180	13.992	277	60.30	79	58.120	319	44.78	187
27.3	11.602	366	42.70	8	33.256	336	37.24	130	14.269	288	61.09	57	58.439	342	42.91	137
9 6.3	11.968	374	42.62	1	33.592	350	35.94	74	14.557	296	61.66	34	58.781	357	41.54	79
16.3	12.342	378	42.61	7	33.942	355	35.20	14	14.853	299	62.00	10	59.138	364	40.75	20
26.2	12.720	378	42.68	16	34.297	354	35.06	47	15.152	301	62.10	17	59.502	365	40.55	42
10 6.2	13.098	373	42.84	23	34.651	346	35.53	107	15.453	297	61.93	43	59.867	357	40.97	103
16.2	13.471	363	43.07	32	34.997	329	36.60	163	15.750	290	61.50	66	60.224	341	42.00	161
26.2	13.834	348	43.39	41	35.326	306	38.23	214	16.040	278	60.84	86	60.565	317	43.61	214
11 5.1	14.182	325	43.80	52	35.632	273	40.37	258	16.318	261	59.98	103	60.882	284	45.75	258
15.1	14.507	297	44.32	62	35.905	234	42.95	291	16.579	239	58.95	114	61.166	244	48.33	294
25.1	14.804	259	44.94	73	36.140	188	45.86	315	16.818	209	57.81	120	61.410	196	51.27	318
12 5.1	15.063	217	45.67	82	36.328	137	49.01	327	17.027	175	56.61	121	61.606	142	54.45	332
15.0	15.280	167	46.49	91	36.465	80	52.28	328	17.202	135	55.40	117	61.748	84	57.77	334
24.9	15.447	111	47.40	96	36.545	22	55.56	317	17.337	91	54.23	110	61.832	22	61.11	325
34.9	15.558		48.36		36.567		58.73		17.428		53.13		61.854		64.36	
午位	10.441		39.51		33.202		61.78		13.412		47.54		58.517		67.53	
Sec δ Tan δ	+1.256		+0.759		+1.363		−0.927		+1.003		+0.073		+1.415		−1.001	
2回正中	12月20日				12月20日				12月22日				12月22日			
a b	+0.2040		+0.0009		+0.0916		−0.0007		+0.1582		−0.0001		+0.0866		+0.0009	
a′ b′	+0.0167		−0.9999		+0.0107		−1.0000		−0.0097		−1.0000		−0.0130		−0.9999	
FK3番号	228				229				230				231			

本初子午線正中時

星名	ν Orio				36 Caml				δ Pict				† η Gemi			
等級 スペクトル型	4.40		B2		5.39		K0		4.84		B1		3.2-4.2		M0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m s		° ′ ″		h m s		° ′ ″		h m s		° ′ ″		h m s		° ′ ″	
	6 4		+14 46		6 7		+65 43		6 9		−54 56		6 11		+22 31	
1 0.9	36.626	70	39.88	38	38.99	10	62.00	252	19.066	48	79.76	334	44.816	82	30.52	8
10.9	36.696	22	39.50	29	39.09	1	64.52	245	19.018	120	83.10	309	44.898	32	30.60	16
20.9	36.718	26	39.21	20	39.08	12	66.97	228	18.898	190	86.19	275	44.930	20	30.76	20
30.9	36.692	70	39.01	13	38.96	22	69.25	203	18.708	251	88.94	235	44.910	67	30.96	23
2 9.9	36.622	110	38.88	6	38.74	31	71.28	170	18.457	303	91.29	189	44.843	109	31.19	24
19.8	36.512	139	38.82	2	38.43	39	72.98	130	18.154	343	93.18	139	44.734	142	31.43	22
29.8	36.373	161	38.80	5	38.06	42	74.28	86	17.811	370	94.57	88	44.592	165	31.65	19
3 10.8	36.212	171	38.83	5	37.64	45	75.14	38	17.441	385	95.45	33	44.427	177	31.84	13
20.8	36.041	170	38.88	8	37.19	44	75.52	8	17.056	384	95.78	18	44.250	178	31.97	8
30.7	35.871	160	38.96	11	36.75	42	75.44	56	16.672	371	95.60	72	44.072	168	32.05	2
4 9.7	35.711	138	39.07	14	36.33	38	74.88	98	16.301	345	94.88	121	43.904	146	32.07	2
19.7	35.573	109	39.21	19	35.95	31	73.90	136	15.956	309	93.67	169	43.758	117	32.05	6
29.7	35.464	74	39.40	24	35.64	24	72.54	168	15.647	263	91.98	212	43.641	82	31.99	6
5 9.6	35.390	34	39.64	29	35.40	15	70.86	193	15.384	210	89.86	250	43.559	40	31.93	6
19.6	35.356	7	39.93	37	35.25	6	68.93	212	15.174	151	87.36	282	43.519	2	31.87	4
29.6	35.363	50	40.30	44	35.19	4	66.81	222	15.023	88	84.54	308	43.521	47	31.83	1
6 8.5	35.413	92	40.74	51	35.23	13	64.59	227	14.935	24	81.46	327	43.568	91	31.82	4
18.5	35.505	131	41.25	56	35.36	23	62.32	224	14.911	42	78.19	336	43.659	132	31.86	8
28.5	35.636	168	41.81	61	35.59	31	60.08	216	14.953	106	74.83	337	43.791	171	31.94	13
7 8.5	35.804	201	42.42	63	35.90	40	57.92	202	15.059	168	71.46	329	43.962	204	32.07	16
18.4	36.005	229	43.05	62	36.30	47	55.90	184	15.227	225	68.17	310	44.166	235	32.23	19
28.4	36.234	253	43.67	60	36.77	53	54.06	161	15.452	278	65.07	284	44.401	261	32.42	20
8 7.4	36.487	273	44.27	54	37.30	58	52.45	136	15.730	324	62.23	246	44.662	282	32.62	18
17.4	36.760	288	44.81	44	37.88	62	51.09	109	16.054	362	59.77	201	44.944	299	32.80	15
27.3	36.048	300	45.25	34	38.50	66	50.00	78	16.416	394	57.76	148	45.243	312	32.95	11
9 6.3	37.348	308	45.59	20	39.16	68	49.22	46	16.810	416	56.28	90	45.555	322	33.06	4
16.3	37.656	312	45.79	5	39.84	69	48.76	14	17.226	427	55.38	26	45.877	327	33.10	3
26.2	37.968	314	45.84	11	40.53	69	48.62	21	17.653	430	55.12	38	46.204	330	33.07	10
10 6.2	38.282	311	45.73	25	41.22	69	48.83	54	18.083	421	55.50	102	46.534	328	32.97	17
16.2	38.593	304	45.48	38	41.91	67	49.37	88	18.504	400	56.52	164	46.862	322	32.80	22
26.2	38.897	293	45.10	49	42.58	63	50.25	122	18.904	370	58.16	219	47.184	312	32.58	26
11 5.1	39.190	275	44.61	57	43.21	59	51.47	154	19.274	328	60.35	268	47.496	295	32.32	27
15.1	39.465	253	44.04	61	43.80	53	53.01	183	19.602	276	63.03	306	47.791	272	32.05	25
25.1	39.718	224	43.43	62	44.33	46	54.84	209	19.878	216	66.09	335	48.063	242	31.80	21
12 5.1	39.942	189	42.81	59	44.79	37	56.93	229	20.094	148	69.44	350	48.305	206	31.59	15
15.0	40.131	148	42.22	53	45.16	28	59.22	246	20.242	76	72.94	354	48.511	164	31.44	7
24.9	40.279	102	41.69	46	45.44	17	61.66	250	20.318	1	76.48	346	48.675	116	31.37	11
34.9	40.381		41.23		45.61		64.16		20.319		79.94		48.791		31.38	
午位	36.101		35.08		37.213		54.87		17.029		82.65		44.265		25.41	
Sec δ Tan δ	+1.034		+0.264		+2.433		+2.218		+1.742		−1.426		+1.083		+0.415	
2回正中	12月22日				12月23日				12月23日				12月24日			
a b	+0.1709		−0.0004		+0.3011		−0.0049		+0.0584		+0.0039		+0.1809		−0.0014	
a′ b′	−0.0201		−0.9998		−0.0332		−0.9995		−0.0405		−0.9992		−0.0512		−0.9987	
FK3番号	232				233				235				236			

本初子午線正中時

星名	α Mens		22 H. Caml		κ Colm		2 Lync	
等級 スペクトル型	5.14	K0	4.73	A0	4.51	K0	4.42	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 6 11	° ′ -74 43	h m 6 13	° ′ +69 20	h m 6 14	° ′ -35 6	h m 6 15	° ′ +59 1
1 0.9	s 53.08 27	″ 67.04 339	s 9.36 11	″ 36.66 268	s 43.094 22	″ 76.06 291	s 3.462 110	″ 63.09 220
10.9	52.81 41	70.43 316	9.47 1	39.34 261	43.116 32	78.97 269	3.572 20	65.29 216
20.9	52.40 55	73.59 281	9.46 15	41.95 244	43.084 84	81.66 240	3.592 69	67.45 204
30.9	51.85 68	76.40 242	9.31 25	44.39 219	43.000 133	84.06 209	3.523 150	69.49 184
2 9.9	51.17 77	78.82 196	9.06 36	46.58 184	42.867 174	86.11 165	3.373 223	71.33 157
19.9	50.40 85	80.78 145	8.70 44	48.42 143	42.693 206	87.76 122	3.150 279	72.90 123
29.8	49.55 91	82.23 93	8.26 49	49.85 96	42.487 229	88.98 78	2.871 321	74.13 85
3 10.8	48.64 93	83.16 29	7.77 52	50.81 47	42.258 242	89.76 32	2.550 342	74.98 44
20.8	47.71 92	83.55 15	7.25 53	51.28 3	42.016 242	90.08 13	2.208 344	75.42 2
30.7	46.79 91	83.40 67	6.72 50	51.25 53	41.774 232	89.95 58	1.864 329	75.44 40
4 9.7	45.88 86	82.73 118	6.22 46	50.72 98	41.542 214	89.37 100	1.535 294	75.04 78
19.7	45.02 79	81.55 167	5.76 38	49.74 140	41.328 185	88.37 142	1.241 246	74.26 112
29.7	44.23 70	79.88 210	5.38 30	48.34 174	41.143 150	86.95 180	0.995 186	73.14 141
5 9.6	43.53 60	77.78 249	5.08 20	46.60 203	40.993 111	85.15 212	0.809 117	71.73 165
19.6	42.93 48	75.29 283	4.88 10	44.57 223	40.882 66	83.03 242	0.692 41	70.08 181
29.6	42.45 35	72.46 309	4.78 2	42.34 237	40.816 20	80.61 265	0.651 35	68.27 193
6 8.6	42.10 22	69.37 327	4.80 13	39.97 243	40.796 26	77.96 282	0.686 112	66.34 196
18.5	41.88 7	66.10 339	4.93 23	37.54 241	40.822 73	75.14 292	0.798 186	64.38 196
28.5	41.81 7	62.71 340	5.16 34	35.13 234	40.895 117	72.22 294	0.984 257	62.42 189
7 8.5	41.88 20	59.31 331	5.50 43	32.79 221	41.012 158	69.28 287	1.241 320	60.53 178
18.4	42.08 35	56.00 314	5.93 52	30.58 202	41.170 196	66.41 273	1.561 377	58.75 163
28.4	42.43 47	52.86 287	6.45 59	28.56 180	41.366 231	63.68 249	1.938 427	57.12 145
8 7.4	42.90 58	49.99 250	7.04 66	26.76 154	41.597 260	61.19 218	2.365 470	55.67 124
17.4	43.48 67	47.49 205	7.70 71	25.22 124	41.857 285	59.01 179	2.835 503	54.43 101
27.3	44.15 76	45.44 151	8.41 75	23.98 92	42.142 304	57.22 133	3.338 530	53.42 77
9 6.3	44.91 81	43.93 93	9.16 78	23.06 59	42.446 319	55.89 81	3.868 551	52.65 50
16.3	45.72 84	43.00 30	9.94 79	22.47 23	42.765 328	55.08 25	4.419 561	52.15 23
26.3	46.56 84	42.70 36	10.73 81	22.24 13	43.093 330	54.83 31	4.980 567	51.92 6
10 6.2	47.40 82	43.06 101	11.54 79	22.37 50	43.423 327	55.14 88	5.547 562	51.98 34
16.2	48.22 77	44.07 163	12.33 77	22.87 87	43.750 317	56.02 143	6.109 551	52.32 64
26.2	48.99 69	45.70 220	13.10 74	23.74 123	44.067 300	57.45 192	6.660 528	52.96 93
11 5.1	49.68 58	47.90 269	13.84 68	24.97 159	44.367 275	59.37 235	7.188 495	53.89 121
15.1	50.26 46	50.59 309	14.52 62	26.56 190	44.642 244	61.72 268	7.683 451	55.10 148
25.1	50.72 32	53.68 337	15.14 53	28.46 219	44.886 205	64.40 293	8.134 396	56.58 173
12 5.1	51.04 16	57.05 355	15.67 43	30.65 241	45.091 161	67.33 307	8.530 329	58.31 192
15.0	51.20 7	60.60 359	16.10 32	33.06 257	45.252 112	70.40 310	8.859 253	60.23 208
25.0	51.19 16	64.19 352	16.42 20	35.63 265	45.364 58	73.50 302	9.112 168	62.31 216
34.9	51.03	67.71	16.62	38.28	45.422	76.52	9.280	64.47
平位 Sec&Tanδ 2回正中	s 47.541 +3.798	″ 70.16 -3.664	s 7.145 +2.835	″ 29.73 +2.652	s 41.996 +1.223	″ 79.56 -0.703	s 2.135 +1.943	″ 56.63 +1.666
	12月 24日		12月 24日		12月 25日		12月 25日	
a b	-0.0906	+0.0126	+0.3299	-0.0101	+0.1065	+0.0030	-0.2642	-0.0073
a′ b′	-0.0514	-0.9987	-0.0572	-0.9984	-0.0641	-0.9979	-0.0656	-0.9979
FK3番号	239		234		238		237	

本初子午線正中時

星名	ζ C Maj		μ Gemi		β C Maj		φ′ Auri	
等級 スペクトル型	3.10	B3	3.19	M0	1.99	B1	5.10	K2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 6 18	° ′ -30 1	h m 6 19	° ′ +22 32	h m 6 20	° ′ -17 55	h m 6 20	° ′ +49 18
1 0.9	s 19.903 36	″ 76.76 275	s 49.400 92	″ 36.63 6	s 25.261 55	″ 39.64 225	s 54.587 112	″ 66.20 168
10.9	19.939 16	79.51 255	49.492 39	36.69 15	25.316 7	41.89 206	54.699 40	67.88 168
20.9	19.923 67	82.06 226	49.531 12	36.84 20	25.323 41	43.95 183	54.739 32	69.56 161
30.9	19.856 114	84.32 195	49.519 60	37.04 24	25.282 85	45.78 155	54.707 98	71.17 149
2 9.9	19.742 154	86.27 156	49.459 103	37.28 26	25.197 124	47.33 124	54.609 158	72.66 129
19.9	19.588 186	87.83 117	49.356 137	37.54 24	25.073 156	48.57 92	54.451 206	73.95 104
29.8	19.402 209	89.00 75	49.219 162	37.78 21	24.917 177	49.49 58	54.245 240	74.99 74
3 10.8	19.193 222	89.95 33	49.057 176	37.99 16	24.740 189	50.07 25	54.005 259	75.73 43
20.8	18.971 222	90.08 9	48.881 178	38.15 11	24.551 191	50.32 10	53.746 263	76.16 9
30.7	18.749 215	89.99 52	48.703 168	38.26 5	24.360 184	50.22 42	53.483 251	76.25 23
4 9.7	18.534 196	89.47 92	48.535 150	38.31 1	24.176 165	49.80 75	53.232 225	76.02 53
19.7	18.338 169	88.55 130	48.385 121	38.32 4	24.011 141	49.05 105	53.007 187	75.49 82
29.7	18.169 136	87.25 165	48.264 86	38.28 5	23.870 110	48.00 134	52.820 138	74.67 104
5 9.6	18.033 98	85.60 197	48.178 47	38.23 6	23.760 73	46.66 160	52.682 85	73.63 123
19.6	17.935 56	83.63 225	48.131 4	38.17 5	23.687 34	45.06 182	52.597 25	72.40 137
29.6	17.879 12	81.38 247	48.127 40	38.12 1	23.653 7	43.24 202	52.572 36	71.03 145
6 8.6	17.867 32	78.91 264	48.167 83	38.11 7	23.660 47	41.22 215	52.608 98	69.58 149
18.5	17.899 75	76.27 273	48.250 124	38.12 6	23.707 87	39.07 225	52.706 155	68.09 147
28.5	17.974 117	73.54 276	48.374 163	38.18 9	23.794 125	36.82 227	52.861 211	66.62 144
7 8.5	18.091 156	70.78 271	48.537 198	38.27 12	23.919 160	34.55 223	53.072 261	65.18 135
18.4	18.247 192	68.07 257	48.735 228	38.39 14	24.079 191	32.32 213	53.333 305	63.83 124
28.4	18.439 223	65.50 236	48.963 255	38.53 14	24.270 218	30.19 195	53.638 345	62.59 111
8 7.4	18.662 252	63.14 207	49.218 277	38.67 13	24.488 243	28.24 171	53.983 377	61.48 96
17.4	18.914 274	61.07 170	49.495 295	38.80 9	24.731 262	26.53 141	54.360 404	60.52 81
27.3	19.188 292	59.37 126	49.790 309	38.89 5	24.993 279	25.12 104	54.764 426	59.71 63
9 6.3	19.480 307	58.11 78	50.099 320	38.94 3	25.272 290	24.08 63	55.190 442	59.08 46
16.3	19.787 315	57.33 25	50.419 326	38.91 9	25.562 298	23.45 19	55.632 452	58.62 26
26.3	20.102 319	57.08 24	50.745 331	38.82 17	25.860 302	23.26 27	56.084 457	58.36 7
10 6.2	20.421 316	57.37 83	51.076 330	38.65 23	26.162 301	23.53 72	56.541 456	58.29 13
16.2	20.737 308	58.20 134	51.406 326	38.42 29	26.463 295	24.25 115	56.997 448	58.42 34
26.2	21.045 294	59.54 181	51.732 316	38.13 32	26.758 283	25.40 155	57.445 434	58.76 56
11 5.1	21.339 272	61.35 222	52.048 300	37.81 32	27.041 265	26.95 188	57.879 410	59.32 78
15.1	21.611 243	63.57 254	52.348 279	37.49 31	27.306 242	28.83 213	58.289 378	60.10 99
25.1	21.854 208	66.11 278	52.627 250	37.18 26	27.548 211	30.96 233	58.667 336	61.09 120
12 5.1	22.062 167	68.89 290	52.877 215	36.92 19	27.759 175	33.29 241	59.003 286	62.29 137
15.0	22.229 121	71.79 293	53.092 172	36.73 10	27.934 133	35.70 243	59.289 225	63.66 152
25.0	22.350 70	74.72 286	53.264 125	36.63 2	28.067 88	38.13 235	59.514 159	65.18 162
34.9	22.420	77.58	53.389	36.61	28.155	40.48	59.673	66.80
平位 Sec&Tanδ 2回正中	s 18.938 +1.155	″ 80.56 -0.578	s 48.840 +1.083	″ 31.63 +0.415	s 24.516 +1.051	″ 43.71 -0.324	s 53.642 +1.534	″ 60.38 +1.163
	12月 26日		12月 26日		12月 26日		12月 26日	
a b	+0.1149	+0.0031	+0.1809	-0.0024	+0.1319	+0.0019	+0.2306	-0.0071
a′ b′	-0.0798	-0.9968	-0.0864	-0.9963	-0.0889	-0.9960	-0.0910	-0.9958
FK3番号	240		241		243		242	

本初子午線正中時

星名	8 ε Mono		d Cari		10 Mono		ξ² C Maj	
等スウ 級トル型	4.48	A5	-0.86	Fc	4.98	B3	4.54	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 6 21	° ′ + 4 37	h m 6 22	° ′ -52 39	h m 6 25	° ′ - 4 43	h m 6 32	° ′ -22 54
	s	″	s	″	s	″	s	″
1 0.9	1.257	19.84	49.661	55.19	24.029	37.93	53.353	75.69
	78	104	16	338	75	159	62	253
10.9	1.335	18.80	49.645	58.57	24.104	39.52	53.415	78.22
	31/15	90	87	316	27/21	143	11/38	234
20.9	1.366	17.90	49.558	61.73	24.131	40.95	53.426	80.56
	61	76	155	285	64	125	85	210
30.9	1.350	17.14	49.403	64.58	24.110	42.20	53.388	82.66
		60	216	248		104		181
2 9.9	1.289	16.54	49.187	67.06	24.046	43.24	53.303	84.47
	101	45	268	203	103	81	126	148
19.9	1.188	16.09	48.919	69.09	23.943	44.05	53.177	85.95
	131	30	310	155	135	59	159	113
29.8	1.057	15.79	48.609	70.64	23.808	44.64	53.018	87.08
	154	16	340	105	158	35	183	76
3 10.8	0.903	15.63	48.269	71.69	23.650	44.99	52.835	87.84
	167	2/11	356	52/0	170	13/9	198	38
20.8	0.736	15.61	47.913	72.21	23.480	45.12	52.637	88.22
	168	49	359	72.21	173	45.03	201	1/36
30.8	0.568	15.72	47.554		23.307		52.436	
	161	24	350	53	166	31	196	
4 9.7	0.407	15.96	47.204	71.68	23.141	44.72	52.240	87.87
	143	37	328	102	150	52	180	72
19.7	0.264	16.33	46.876	70.66	22.991	44.20	52.060	87.15
	117	49	296	150	125	72	157	106
29.7	0.147	16.82	46.580	69.16	22.866	43.48	51.903	86.09
	86	62	255	195	94	92	126	138
5 9.6	0.061	17.44	46.325	67.21	22.772	42.56	51.777	84.71
	50	73	207	233	60	110	91	167
19.6	0.011	18.17	46.118	64.88	22.712	41.46	51.686	83.04
	11/30	85	152	268	21/2	127	53	193
29.6	0.000	19.02	45.966	62.20	22.691	40.19	51.633	81.11
		95	94	296		140	12	215
6 8.6	0.030	19.97	45.872	59.24	22.709	38.79	51.621	78.96
	69	104	34/28	316	57	152	-29	231
18.5	0.099	21.01	45.838	56.08	22.766	37.27	51.650	76.65
	107	109	26	328	95	158	70	241
28.5	0.206	22.10	45.866	52.80	22.861	35.69	51.720	74.24
	143	113	88	332	131	162	108	246
7 8.5	0.349	23.23	45.954	49.48	22.992	34.07	51.828	71.79
	176	112	147	327	164	160	146	242
18.5	0.525	24.35	46.101	46.21	23.156	32.47	51.974	69.37
	204	108	201	311	193	153	178	231
28.4	0.729	25.43	46.302	43.10	23.349	30.94	52.152	67.06
	229	100	253	286	219	141	208	214
8 7.4	0.958	26.43	46.555	40.24	23.568	29.53	52.360	64.92
	250	87	297	252	241	123	235	189
17.4	1.208	27.30	46.852	37.72	23.809	28.30	52.595	63.03
	268	71	337	210	259	101	258	156
27.3	1.476	28.01	47.189	35.62	24.068	27.29	52.853	61.47
	281	51	368	158	274	74	276	119
9 6.3	1.757	28.52	47.557	34.04	24.342	26.55	53.129	60.28
	292	27	392	102	286	43	291	74
16.3	2.049	28.79	47.949	33.02	24.628	26.12	53.420	59.54
	298	4/23	408	40/25	293	9/24	301	27/22
26.3	2.347	28.83	48.357	32.62	24.921	26.03	53.721	59.27
	303		413		298		308	
10 6.2	2.650	28.60	48.770	32.87	25.219	26.27	54.029	59.49
	302	48	408	88	298	59	308	72
16.2	2.952	28.12	49.178	33.75	25.517	26.86	54.337	60.21
	298	71	394	150	294	92	304	119
26.2	3.250	27.41	49.572	35.25	25.811	27.78	54.641	61.40
	288	91	368	207	285	120	293	162
11 5.1	3.538	26.50	49.940	37.32	26.096	28.98	54.934	63.02
	274	107	333	258	270	143	276	200
15.1	3.812	25.43	50.273	39.90	26.366	30.41	55.210	65.02
	253	119	287	298	249	162	253	231
25.1	4.065	24.24	50.560	42.88	26.615	32.03	55.463	67.33
	226	124	232	328	222	174	222	252
12 5.1	4.291	23.00	50.792	46.16	26.837	33.97	55.685	69.85
	193	126	170	347	189	178	185	265
15.0	4.484	21.74	50.962	49.63	27.026	35.55	55.870	72.50
	159	121	102	354	149	176	142	266
25.0	4.638	20.53	51.064	53.17	27.175	37.31	56.012	75.16
	110	112	31	349	106	168	94	263
349	4.748	19.41	51.095	56.66	27.281	38.99	56.106	77.81
日位	s 0.701	″ 15.32	s 47.805	″ 59.32	s 23.923	″ 42.37	s 52.537	″ 80.37
Sec.&Tard	+1.003	+0.081	+1.649	-1.311	+1.003	-0.083	+1.086	-0.423
2回証中	12月26日		12月27日		12月28日		12月29日	
a b	+0.1587	-0.0005	+0.0664	+0.0089	+0.1479	+0.0006	+0.1254	+0.0040
a′ b′	-0.0916	-0.9958	-0.0993	-0.9951	-0.1106	-0.9939	-0.1430	-0.9897
FK3番号	244		245		246		249	

本初子午線正中時

星名	8 Lync		γ Gemi		51 Auri		ν Pupp	
等スウ 級トル型	6.05	G0	1.93	A0	5.71	K0	3.18	B8
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 6 32	° ′ +61 31	h m 6 34	° ′ +16 26	h m 6 35	° ′ +39 26	h m 6 36	° ′ -43 8
	s	″	s	″	s	″	s	″
1 0.9	58.06	52.15	43.023	48.19	4.319	24.34	11.463	52.34
	15	230	102	35	122	107	32	325
10.9	58.21	54.45	43.125	47.84	4.241	25.41	11.495	55.59
	4/4	229	51	25	60/2	113	30	307
20.9	58.25	56.74	43.176	47.59	4.301	26.54	11.465	58.66
	14	221	1/46	13	61	114	90	278
30.9	58.21	58.95	43.177	47.46	4.299	27.68	11.375	61.44
		204		5		109	144	243
2 9.9	58.07	60.99	43.131	47.41	4.238	28.77	11.231	63.87
	22	178	90	-3	114	100	193	204
19.9	57.85	62.77	43.041	47.44	4.124	29.77	11.038	65.91
	29	145	125	8	157	84	231	158
29.8	57.56	64.22	42.916	47.52	3.967	30.61	10.807	67.49
	33	107	151	12	190	66	260	112
3 10.8	57.23	65.29	42.765	47.64	3.777	31.27	10.547	68.61
	37	65	167	14	210	45	277	63
20.8	56.86	65.94	42.598	47.78	3.567	31.72	10.270	69.24
	38	21/22	171	14	215	21/7	283	14/35
30.8	56.48	66.15	42.427	47.92	3.352	31.93	9.987	69.38
	36		165	16	209		276	
4 9.7	56.12	65.93	42.262	48.08	3.143	31.92	9.711	69.03
	34	65	149	16	188	25	260	82
19.7	55.78	65.28	42.113	48.24	2.955	31.67	9.451	68.21
	29	103	124	17	159	44	234	128
29.7	55.49	64.25	41.989	48.41	2.796	31.23	9.217	66.93
	23	136	93	19	120	62	201	190
5 9.6	55.26	62.89	41.896	48.60	2.676	30.61	9.016	65.23
	15	164	56	22	76	76	160	209
19.6	55.11	61.25	41.840	48.82	2.600	29.85	8.856	63.14
	9	185	17/25	26	26/25	87	115	242
29.6	55.02	59.40	41.823	49.08	2.574	28.98	8.741	60.72
	0	201		30		93	67	270
6 8.6	55.02	57.39	41.848	49.38	2.599	28.05	8.674	58.02
	-8	210	65	34	75	97	17	291
18.5	55.10	55.29	41.913	49.72	2.674	27.08	8.657	55.11
	16	212	105	37	125	97	34	304
28.5	55.26	53.17	42.018	50.09	2.799	26.11	8.691	52.07
	24	210	142	40	171	95	83	311
7 8.5	55.50	51.07	42.160	50.49	2.970	25.16	8.774	48.96
	30	202	176	40	213	91	131	307
18.5	55.80	49.05	42.336	50.89	3.183	24.25	8.905	45.89
	37	190	206	40	252	85	176	295
28.4	56.17	47.15	42.542	51.29	3.435	23.40	9.081	42.94
	43	173	232	36	285	79	217	274
8 7.4	56.60	45.42	42.774	51.65	3.720	22.61	9.298	40.20
	48	154	256	31	314	71	255	244
17.4	57.08	43.88	43.030	51.96	4.034	21.90	9.553	37.76
	52	132	294	22	338	63	287	204
27.3	57.60	42.56	43.304	52.18	4.372	21.27	9.840	35.72
	55	106	291	12	357	55	315	158
9 6.3	58.15	41.50	43.595	52.30	4.729	20.72	10.155	34.14
	58	80	302	-7	373	47	336	104
16.3	58.73	40.70	43.897	52.29	5.102	20.25	10.491	33.10
	60	52	312	14	385	38	351	47/13
26.3	59.33	40.18	44.209	52.15	5.487	19.87	10.842	32.63
	60	21	318	28	391	27	359	
10 6.2	59.93	39.97	44.527	51.87	5.878	19.60	11.201	32.78
	61	-70	320	41	394	17	359	75
16.2	60.54	40.07	44.847	51.46	6.272	19.43	11.560	33.53
	60	42	318	53	390	5/8	352	135
26.2	61.14	40.49	45.165	50.93	6.662	19.38	11.912	34.88
	58	74	311	61	382		335	190
11 5.2	61.72	41.23	45.476	50.32	7.044	19.46	12.247	36.78
	55	107	298	67	365	24	311	239
15.1	62.27	42.30	45.774	49.65	7.409	19.70	12.558	39.17
	51	137	279	70	341	40	277	279
25.1	62.78	43.67	46.053	48.95	7.750	20.10	12.835	41.96
	45	166	252	67	308	56	235	309
12 5.1	63.23	45.33	46.305	48.28	8.058	20.66	13.070	45.05
	38	190	220	63	268	72	186	329
15.0	63.61	47.23	46.525	47.65	8.326	21.38	13.256	48.34
	30	210	180	54	218	87	131	338
25.0	63.91	49.33	46.705	47.11	8.544	22.25	13.387	51.72
	21	223	134	45	162	99	71	335
349	64.12	51.56	46.839	46.66	8.706	23.24	13.458	55.07
日位	s 56.511	″ 46.66	s 42.470	″ 43.46	s 3.371	″ 19.36	s 10.118	″ 57.49
Sec.&Tard	+2.100	+1.844	+1.043	+0.295	+1.295	+0.823	+1.371	-0.937
2回証中	12月29日		12月30日		12月30日		12月30日	
a b	+0.2750	-0.0176	+0.1728	-0.0030	+0.2015	-0.0084	+0.0916	+0.0098
a′ b′	-0.1432	-0.9897	-0.1509	-0.9986	-0.1524	-0.9883	-0.1572	-0.9876
FK3番号	247		251		250		252	

本初子午線正中時

星名	23 H.Caml				+ S Mono				ε Gemi				ξ Gemi			
等級 スペクトル型	5.60		F8		4.68		Oe5		3.18		G5		3.40		F5	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 6 37		° ′ +79 37		h m 6 38		° ′ +9 56		h m 6 40		° ′ +25 11		h m 6 42		° ′ +12 57	
	s		″		s		″		s		″		s		″	
1 1.0	29.11		39.50	304	7.369	100	48.39	77	44.570	116	8.78	18	22.782	106	16.69	60
10.9	29.37	26	42.54	302	7.469	51	47.62	64	44.686	61	8.88	28	22.888	57	16.09	48
20.9	29.37	0	45.56	288	7.520	1	46.98	50	44.747	9	9.16	35	22.945	6	15.61	34
30.9	29.13	24 47	48.44	264	7.521	45	46.48	38	44.756	44	9.51	40	22.951	41	15.27	24
2 9.9	28.66		51.08	229	7.476		46.10		44.712		9.91		22.910		15.03	
19.9	27.98	68	53.37	186	7.389	87	45.85	25	44.623	89	10.33	42	22.826	84	14.91	12
29.8	27.14	84 97	55.23	136	7.267	122 147	45.72	13 4	44.495	128 157	10.73	40 35	22.706	120 146	14.87	4 4
3 10.8	26.17		56.59	81	7.120		45.68		44.338		11.08		22.560		14.91	
20.8	25.11	106	57.40	25	6.956	164	45.73	5	44.163	175	11.37	29	22.397	163	15.01	10
30.8	24.03	108 106	57.65	31	6.789	167 163	45.85	12 21	43.983	180 175	11.57	20 12	22.228	169 164	15.15	14 19
4 9.7	22.97		57.34		6.626		46.06		43.808		11.69		22.064		15.34	
19.7	21.97	100	56.47	89	6.479	147	46.33	27	43.649	159	11.73	4	21.915	149	15.56	22
29.7	21.08	89 74	55.12	135 181	6.355	124 94	46.67	34 42	43.515	134 101	11.69	4 10	21.788	127 96	15.83	27 31
5 9.7	20.34		53.31		6.261		47.09		43.414		11.59		21.692		16.14	
19.6	19.76	58	51.14	217	6.202	59	47.58	49	43.350	64	11.45	14	21.630	62	16.50	36
29.6	19.38	38 18	48.67	247 268	6.181	21 18	48.14	56 64	43.328	22 22	11.29	16 17	21.607	23 16	16.92	42 46
6 8.6	19.20		45.99		6.199		48.78		43.350		11.12		21.623		17.38	
18.5	19.23	3	43.17	282	6.258	59	49.47	69	43.414	64	10.95	17	21.679	56	17.90	52
28.5	19.47	24 45	40.31	286 285	6.354	96 132	50.21	74 77	43.520	106 145	10.79	16 14	21.774	95 131	18.44	54 58
7 8.5	19.92		37.46		6.486		50.98		43.665		10.65		21.905		19.02	
18.5	20.56	64	34.71	275	6.652	166	51.74	76	43.847	182	10.53	12	22.070	165	19.59	57
28.4	21.38	82 98	32.12	259 238	6.847	195 221	52.48	74 67	44.061	214 242	10.41	12 11	22.264	194 222	20.14	55 50
8 7.4	22.36		29.74		7.068		53.15		44.303		10.30		22.486		20.64	
17.4	23.49	113	27.63	211	7.313	245	53.73	58	44.570	267	10.18	12	22.730	244	21.06	42
27.4	24.74	125 136	25.82	181 145	7.576	263 279	54.18	45 30	44.858	288 305	10.03	15 19	22.994	264 281	21.37	31 18
9 6.3	26.10		24.37		7.855		54.48		45.163		9.84		23.275		21.55	
16.3	27.53	143	23.29	108	8.147	292	54.59	11	45.483	320	9.61	23	23.569	294	21.57	2
26.3	29.02	149 151	22.61	68 24	8.448	301 308	54.50	9 29	45.812	329 337	9.33	28 33	23.874	305 311	21.42	15 32
10 6.2	30.53		22.37		8.756		54.21		46.149		9.00		24.185		21.10	
16.2	32.05	152	22.56	19	9.066	310	53.73	48	46.489	340	8.63	37	24.500	315	20.61	49
26.2	33.53	148 143	23.20	64 109	9.375	309 303	53.06	67 83	46.828	339 333	8.24	39 40	24.814	314 308	19.97	64 77
11 5.2	34.96		24.29		9.678		52.23		47.161		7.84		25.122		19.20	
15.1	36.30	134	25.81	152	9.968	290	51.30	93	47.481	320	7.47	37	25.418	296	18.35	85
25.1	37.51	121 105	27.73	192 230	10.240	272 246	50.29	101 104	47.781	300 274	7.15	32 24	25.697	279 254	17.45	90 90
12 5.1	38.56		30.03		10.486		49.25		48.055		6.91		25.951		16.55	
15.1	39.42	86	32.62	259	10.700	214	48.23	102	48.294	239	6.77	14	26.172	221	15.68	87
25.0	40.07	65	35.46	284	10.875	175	47.28	95	48.491	197	6.74	3	26.355	183	14.88	80
34.9	40.49	42	38.43	297	11.007	132	46.41	87	48.641	150	6.83	9	26.493	138	14.18	70
中位	s 23.851		″ 33.90		s 6.819		″ 43.68		s 43.977		″ 4.01		s 22.231		″ 11.99	
Sec&Tand	+5.553		+5.462		+1.015		+0.175		+1.105		+0.470		+1.026		+0.230	
2回正中	12月31日				12月31日				12月31日				1月2日			
a b	+0.5127		-0.0592		+0.1649		-0.0019		+0.1842		-0.0055		+0.1684		-0.0028	
a' b'	-0.1625		-0.9867		-0.1655		-0.9862		-0.1768		-0.9843		-0.1838		-0.9830	
FK3番号	248				253				254				256			

本初子午線正中時

星名	α C Maj A				φ⁵ Auri				τ Mens				18 Mono			
等級 スペクトル型	-1.58		A0		5.34		G0		5.64		A2		4.70		K0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 6 42		° ′ -16 38		h m 6 42		° ′ +43 37		h m 6 44		° ′ -80 45		h m 6 45		° ′ +2 28	
	s		″		s		″		s		″		s		″	
1 1.0	52.149		30.50		60.399		37.57		33.98		33.57		9.483		19.13	
10.9	52.222	73	32.80	230	60.536	137	58.88	131	33.66	32	37.08	351	9.583	100	17.89	124
20.9	52.246	24	34.93	213	60.607	71	60.26	138	33.09	57	40.43	335	9.634	51	16.79	110
30.9	52.221	25 70	36.83	190 163	60.612	5 59	61.64	138 133	32.29	80 103	43.53	310 278	9.637	3 43	15.85	94 76
2 9.9	52.151		38.46		60.553		62.97		31.26		46.31		9.594		15.09	
19.9	52.039	112	39.79	133	60.436	117	64.18	121	30.06	120	48.69	238	9.509	85	14.52	57
29.8	51.894	145 169	40.81	102 69	60.272	164 200	65.22	104 82	28.71	135 146	50.62	193 146	9.390	119 146	14.11	41 23
3 10.8	51.725		41.50		60.072		66.04		27.25		52.08		9.244		13.88	
20.8	51.540	185	41.86	36	59.849	223	66.61	57	25.73	152	53.03	95	9.083	161	13.81	7
30.8	51.351	189 185	41.89	3 29	59.618	231 226	66.91	30 2	24.17	156 156	53.46	43 10	8.915	168 164	13.89	8 23
4 9.7	51.166		41.60		59.392		66.93		22.61		53.36		8.751		14.12	
19.7	50.997	169	41.01	59	59.186	206	66.69	24	21.10	151	52.75	61	8.602	149	14.49	37
29.7	50.849	148 118	40.12	89 118	59.009	177 138	66.19	50 71	19.67	143 132	51.64	111 158	8.474	128 100	15.00	51 64
5 9.7	50.731		38.94		58.871		65.48		18.35		50.06		8.374		15.64	
19.6	50.647	84	37.52	142	58.780	91	64.60	88	17.17	118	48.05	201	8.308	66	16.41	77
29.6	50.599	48 8	35.88	164 184	58.740	40 14	63.56	104 113	16.16	101 83	45.65	240 273	8.278	30 8	17.30	89 100
6 8.6	50.591		34.04		58.754		62.43		15.33		42.92		8.286		18.30	
18.5	50.623	32	32.06	198	58.821	67	61.24	119	14.72	61	39.92	300	8.332	46	19.38	108
28.5	50.693	70 107	29.99	207 211	58.940	119 169	60.03	121 121	14.32	40 16	36.75	317 328	8.416	84 119	20.51	113 117
7 8.5	50.800		27.88		59.109		58.82		14.16		33.47		8.535		21.68	
18.5	50.943	143	25.79	209	59.323	214	57.65	117	14.23	7	30.19	328	8.687	152	22.83	115
28.4	51.117	174 202	23.80	199 184	59.579	256 293	56.53	112 104	14.54	31 33	26.99	320 301	8.869	182 209	23.94	111 102
8 7.4	51.319		21.96		59.872		55.49		15.07		23.98		9.078		24.98	
17.4	51.547	228	20.35	161	60.197	325	54.54	95	15.81	74	21.26	272	9.309	231	25.85	89
27.4	51.796	249 268	19.02	133 98	60.548	351 374	53.69	85 74	16.73	92 109	18.92	234 188	9.561	252 268	26.56	71 50
9 6.3	52.064		18.04		60.922		52.95		17.82		17.04		9.829		27.06	
16.3	52.346	282	17.46	58	61.315	393	52.32	63	19.03	121	15.70	134	10.112	283	27.31	25
26.3	52.638	292 300	17.29	17 29	61.720	405 415	51.82	50 37	20.33	130 134	14.95	75 10	10.404	292 301	27.30	1 30
10 6.2	52.938		17.58		62.135		51.45		21.67		14.85		10.705		27.00	
16.2	53.239	301	18.31	73	62.554	419	51.24	21	23.01	134	15.38	53	11.009	304	26.44	56
26.2	53.538	299 290	19.47	116 155	62.970	416 409	51.19	5 13	24.29	128 118	16.56	118 178	11.312	303 297	25.61	83 105
11 5.2	53.828		21.02		63.379		51.32		25.47		18.34		11.609		24.58	
15.1	54.103	275	22.90	188	63.771	392	51.64	32	26.50	103	20.66	232	11.896	287	23.33	123
25.1	54.357	254 226	25.05	215 234	64.138	367 334	52.15	51 72	27.35	85 82	23.44	278 315	12.164	268 244	21.96	137 144
12 5.1	54.583		27.39		64.472		52.87		27.97		26.59		12.408		20.52	
15.1	54.775	192	29.84	245	64.762	290	53.78	91	28.35	38	30.00	341	12.621	213	19.06	146
25.0	54.925	150	32.30	246	65.001	239	54.86	108	28.47	12	33.54	354	12.795	174	17.64	142
34.9	55.030	105	34.70	240	65.180	179	56.09	123	28.32	15	37.11	357	12.926	131	16.30	134
中位	s 51.441		″ 36.51		s 59.557		″ 52.87		s 24.658		″ 40.39		s 8.915		″ 14.30	
Sec&Tand	+1.044		-0.299		+1.382		+0.953		+6.229		-6.148		+1.001		+0.043	
2回正中	1月2日				1月2日				1月2日				1月2日			
a b	+0.1338		+0.0037		+0.2158		-0.0119		-0.2489		+0.0789		+0.1562		-0.0006	
a' b'	-0.1859		-0.9826		-0.1865		-0.9825		-0.1926		-0.9813		-0.1957		-0.9807	
FK3番号	257				255				264				258			

本初子午線正中時

星名	α Pict		43 Caml		τ Pupp		ϑ Gemi	
等級 スペクトル型	3.30	A5	5.13	B5	2.83	K0	3.64	A2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 6 47	° ′ -61 52	h m 6 48	° ′ +68 56	h m 6 48	° ′ -50 32	h m 6 49	° ′ +34 1
1 1.0	s 42.06	″ 59.78	s 8.80	″ 71.70	s 40.334	″ 60.41	s 22.447	″ 37.68
10.9	42.04	63.37	9.01	74.31	40.365	63.88	22.581	38.38
20.9	41.94	66.81	9.09	76.96	40.326	67.18	22.656	39.18
30.9	41.75	69.97	9.04	79.52	40.218	70.22	22.673	40.04
2 9.9	41.47	72.80	8.87	81.92	40.048	72.92	22.633	40.91
19.9	41.13	75.22	8.59	84.05	39.823	75.22	22.541	41.73
29.8	40.73	77.17	8.21	85.83	39.552	77.07	22.406	42.48
3 10.8	40.29	78.62	7.77	87.19	39.248	78.44	22.239	43.10
20.8	39.82	79.55	7.28	88.08	38.921	79.30	22.050	43.57
30.8	39.33	79.95	6.77	88.49	38.586	79.65	21.853	43.87
4 9.7	38.86	79.80	6.26	88.40	38.254	79.48	21.659	43.99
19.7	38.40	79.13	5.79	87.82	37.937	78.81	21.481	43.94
29.7	37.97	77.94	5.36	86.80	37.645	77.64	21.329	43.72
5 9.7	37.58	76.28	5.01	85.37	37.388	76.03	21.211	43.35
19.6	37.25	74.18	4.75	83.60	37.173	73.99	21.132	42.87
29.6	36.98	71.69	4.58	81.55	37.006	71.58	21.098	42.30
6 8.6	36.77	68.86	4.51	79.29	36.892	68.86	21.110	41.66
18.5	36.65	65.78	4.55	76.90	36.832	65.90	21.169	40.99
28.5	36.59	62.52	4.70	74.43	36.830	62.77	21.272	40.30
7 8.5	36.62	59.16	4.94	71.96	36.884	59.55	21.419	39.61
18.5	36.72	55.81	5.29	69.54	36.994	56.34	21.606	38.93
28.4	36.89	52.55	5.72	67.24	37.157	53.23	21.829	38.28
8 7.4	37.14	49.50	6.23	65.09	37.371	50.31	22.084	37.66
17.4	37.45	46.74	6.81	63.15	37.630	47.69	22.366	37.07
27.4	37.82	44.37	7.46	61.46	37.931	45.46	22.673	36.51
9 6.3	38.24	42.49	8.15	60.04	38.267	43.69	23.000	35.98
16.3	38.70	41.16	8.89	58.92	38.632	42.46	23.343	35.48
26.3	39.19	40.44	9.66	58.14	39.017	41.82	23.699	35.01
10 6.2	39.70	40.37	10.45	57.71	39.415	41.81	24.065	34.58
16.2	40.21	40.97	11.24	57.65	39.815	42.45	24.435	34.20
26.2	40.70	42.21	12.02	57.97	40.209	43.71	24.806	33.90
11 5.2	41.17	44.07	12.79	58.68	40.586	45.57	25.171	33.68
15.1	41.60	46.48	13.51	59.78	40.936	47.95	25.523	33.57
25.1	41.97	49.37	14.19	61.25	41.247	50.78	25.855	33.58
12 5.1	42.27	52.62	14.79	63.06	41.511	53.96	26.159	33.75
15.1	42.50	56.13	15.30	65.17	41.718	57.38	26.426	34.07
25.0	42.64	59.78	15.70	67.53	41.862	60.92	26.649	34.54
34.9	42.68	63.45	15.99	70.06	41.938	64.46	26.820	35.14
平均 Sec&Tan6 2回正中	s 39.469 +2.122 1月 3日	″ 66.40 -1.872	s 4.69 +2.784 1月 3日	″ 67.02 +2.599	s 38.665 +1.574 1月 3日	″ 66.77 -1.215	s 21.763 +1.207 1月 3日	″ 33.23 +0.675
a b	+0.0313	+0.0258	+0.3278	-0.0361	+0.0741	+0.0171	+0.1973	-0.0096
a′ b′	-0.2065	-0.9785	-0.2084	-0.9781	-0.2107	-0.9776	-0.2137	-0.9769
FK3番号	262		259		263		261	

本初子午線正中時

星名	ϑ CMaj		ι Voln		24 H.Caml		† 15 Lync m	
等級 スペクトル型	4.25	K2	5.52	B8	4.75	K5	4.54	G0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 6 51	° ′ -11 58	h m 6 51	° ′ -70 53	h m 6 52	° ′ +77 2	h m 6 52	° ′ +58 29
1 1.0	s 47.040	″ 14.25	s 67.11	″ 49.02	s 34.94	″ 57.40	s 48.139	″ 40.60
10.9	47.133	16.32	67.04	52.65	35.23	60.33	48.319	42.71
20.9	47.177	18.24	66.85	56.13	35.33	63.29	48.409	44.87
30.9	47.172	19.94	66.53	59.37	35.21	66.16	48.407	47.00
2 9.9	47.121	21.41	66.10	62.28	34.91	68.83	48.370	49.02
19.9	47.027	22.61	65.57	64.80	34.43	71.21	48.153	50.84
29.9	46.898	23.53	64.96	66.86	33.81	73.19	47.919	52.39
3 10.8	46.743	24.17	64.29	68.43	33.07	74.72	47.634	53.61
20.8	46.571	24.51	63.59	69.48	32.25	75.73	47.314	54.46
30.8	46.392	24.57	62.86	70.00	31.41	76.19	46.980	54.89
4 9.7	46.216	24.34	62.14	69.98	30.56	76.10	46.649	54.91
19.7	46.052	23.84	61.44	69.42	29.76	75.48	46.340	54.53
29.7	45.909	23.08	60.77	68.35	29.03	74.35	46.067	53.77
5 9.7	45.793	22.07	60.17	66.79	28.41	72.77	45.844	52.66
19.6	45.708	20.83	59.63	64.78	27.92	70.80	45.680	51.27
29.6	45.659	19.38	59.18	62.37	27.58	68.51	45.583	49.63
6 8.6	45.648	17.76	58.82	59.61	27.40	65.98	45.558	47.81
18.6	45.675	16.00	58.56	56.58	27.39	63.29	45.605	45.87
28.5	45.739	14.15	58.41	53.35	27.54	60.51	45.724	43.86
7 8.5	45.839	12.25	58.38	50.01	27.86	57.71	45.913	41.84
18.5	45.973	10.36	58.45	46.65	28.34	54.98	46.167	39.85
28.4	46.139	8.55	58.64	43.38	28.96	52.36	46.481	37.94
8 7.4	46.333	6.86	58.93	40.28	29.72	49.91	46.849	36.15
17.4	46.552	5.37	59.33	37.47	30.59	47.70	47.264	34.51
27.4	46.794	4.14	59.81	35.04	31.57	45.76	47.721	33.04
9 6.3	47.054	3.21	60.37	33.08	32.64	44.14	48.212	31.78
16.3	47.330	2.63	61.00	31.67	33.78	42.86	48.732	30.75
26.3	47.619	2.45	61.66	30.85	34.97	41.96	49.272	29.97
10 6.2	47.916	2.67	62.36	30.69	36.20	41.48	49.828	29.46
16.2	48.218	3.29	63.06	31.19	37.43	41.41	50.391	29.24
26.2	48.519	4.31	63.74	32.35	38.65	41.78	50.957	29.31
11 5.2	48.815	5.70	64.37	34.14	39.84	42.60	51.501	29.71
15.1	49.099	7.38	64.95	36.48	40.96	43.85	52.029	30.41
25.1	49.365	9.32	65.44	39.31	42.00	45.52	52.522	31.44
12 5.1	49.605	11.43	65.83	42.53	42.91	47.57	52.969	32.76
15.1	49.812	13.63	66.10	46.02	43.69	49.96	53.357	34.36
25.0	49.980	15.85	66.25	49.67	44.29	52.61	53.674	36.19
34.9	50.105	18.02	66.27	53.36	44.71	55.45	53.910	38.19
平均 Sec&Tan6 2回正中	s 46.382 +1.022 1月 4日	″ 19.56 -0.212	s 63.016 +3.056 1月 4日	″ 56.35 -2.888	s 30.756 +4.461 1月 4日	″ 52.90 +4.348	s 46.732 +1.914 1月 4日	″ 36.33 +1.631
a b	+0.1396	+0.0032	-0.0342	+0.0434	+0.4356	-0.0658	+0.2592	-0.0248
a′ b′	-0.2240	-0.9746	-0.2252	-0.9743	-0.2271	-0.9739	-0.2283	-0.9736
FK3番号	266		267		260		265	

本初子午線正中時

星名	ε CMaj				O² CMaj				ζ Gemi				γ CMaj			
等級 スペクトル型	1.63		B 1		3.12		B5p		3.7-4.1		G0p		4.07		B 5	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	6h 56m		-28° 53′		7h 0m		-23° 45′		7h 1m		+20° 38′		7h 1m		-15° 33′	
1 1.0	35.780 s	79	54.28″	287	51.936 s	91	15.73″	266	2.084 s	132	58.40″	17	24.988 s	99	12.42″	229
10.9	35.859	27	57.15	271	52.027	38	18.39	252	2.216	81	58.23	4	25.087	50	14.71	214
20.9	35.886	$\overline{27}$	59.86	247	52.065	$\overline{13}$	20.91	229	2.297	27	58.19	$\overline{8}$	25.137	$\overline{1}$	16.85	192
30.9	35.859	77	62.33	218	52.052	62	23.20	202	2.324	$\overline{24}$	58.27	18	25.136	47	18.77	167
2 9.9	35.782	123	64.51	185	51.990	106	25.22	170	2.300	71	58.45	24	25.089	92	20.44	140
19.9	35.659	159	66.36	147	51.884	144	26.92	135	2.229	111	58.69	29	24.997	127	21.84	109
29.9	35.500	188	67.83	107	51.740	172	28.27	99	2.118	142	58.98	29	24.870	156	22.93	77
3 10.8	35.312	207	68.90	67	51.568	191	29.26	61	1.976	162	59.27	29	24.714	174	23.70	47
20.8	35.105	215	69.57	25	51.377	199	29.87	24	1.814	171	59.56	26	24.540	182	24.17	14
30.8	34.890	213	69.82	$\overline{16}$	51.178	199	30.11	$\overline{13}$	1.643	170	59.82	21	24.358	181	24.31	$\overline{16}$
4 9.7	34.677	201	69.66	56	50.979	187	29.96	50	1.473	158	60.03	18	24.177	170	24.15	47
19.7	34.476	182	69.10	94	50.792	168	29.46	86	1.315	137	60.21	13	24.007	152	23.68	77
29.7	34.294	154	68.16	131	50.624	142	28.60	120	1.178	108	60.34	10	23.855	126	22.91	103
5 9.7	34.140	121	66.85	165	50.482	111	27.40	150	1.070	75	60.44	8	23.729	95	21.88	130
19.6	34.019	84	65.20	194	50.371	75	25.90	177	0.995	37	60.52	6	23.634	60	20.58	152
29.6	33.935	44	63.26	220	50.296	37	24.13	202	0.958	$\overline{3}$	60.58	6	23.574	23	19.06	171
6 8.6	33.891	3	61.06	240	50.259	$\overline{3}$	22.11	219	0.961	44	60.64	6	23.551	$\overline{14}$	17.35	188
18.6	33.888	$\overline{38}$	58.66	254	50.262	41	19.92	233	1.005	82	60.70	6	23.565	51	15.47	198
28.5	33.926	78	56.12	261	50.303	80	17.59	239	1.087	121	60.76	7	23.616	89	13.49	203
7 8.5	34.004	118	53.51	260	50.383	117	15.20	240	1.208	156	60.83	5	23.705	123	11.46	204
18.5	34.122	154	50.91	252	50.500	152	12.80	232	1.364	188	60.88	5	23.828	155	9.42	196
28.4	34.276	187	48.39	236	50.652	183	10.48	217	1.552	216	60.93	1	23.983	184	7.46	183
8 7.4	34.463	219	46.03	212	50.835	213	8.31	194	1.768	242	60.94	$\overline{4}$	24.167	212	5.63	163
17.4	34.682	245	43.91	179	51.048	239	6.37	165	2.010	265	60.90	10	24.379	235	4.00	137
27.4	34.927	270	42.12	140	51.287	261	4.72	128	2.275	283	60.80	18	24.614	256	2.63	104
9 6.3	35.197	289	40.72	95	51.548	280	3.44	86	2.558	301	60.62	27	24.870	274	1.59	67
16.3	35.486	305	39.77	45	51.828	295	2.58	39	2.859	313	60.35	37	25.144	287	0.92	26
26.3	35.791	315	39.32	$\overline{8}$	52.123	307	2.19	$\overline{70}$	3.172	323	59.98	47	25.431	298	0.66	$\overline{18}$
10 6.3	36.106	321	39.40	61	52.430	312	2.29	61	3.495	330	59.51	56	25.729	305	0.84	61
16.2	36.427	319	40.01	114	52.742	313	2.90	109	3.825	333	58.95	63	26.034	305	1.45	104
26.2	36.746	313	41.15	164	53.055	307	3.99	155	4.158	329	58.32	67	26.339	301	2.49	143
11 5.2	37.059	297	42.79	206	53.362	295	5.54	196	4.487	321	57.65	69	26.640	291	3.92	178
15.1	37.356	275	44.85	243	53.657	274	7.50	229	4.808	304	56.96	66	26.931	272	5.70	205
25.1	37.631	245	47.28	271	53.931	247	9.79	254	5.112	281	56.30	61	27.203	247	7.75	226
12 5.1	37.876	208	49.99	288	54.178	212	12.33	270	5.393	250	55.69	52	27.450	214	10.01	238
15.1	38.084	163	52.87	297	54.390	171	15.03	278	5.643	211	55.17	41	27.664	176	12.39	241
25.0	38.247	114	55.84	295	54.561	123	17.81	275	5.854	165	54.76	27	27.840	131	14.80	238
35.0	38.361		58.79		54.684		20.56		6.019		54.49		27.971		17.18	
平位	34.880 s		60.43″		51.138 s		21.89″		1.510 s		54.01″		24.302 s		18.23″	
Secδ Tanδ	+1.142		-0.552		+1.093		-0.440		+1.069		+0.377		+1.038		-0.278	
2回正中	1月 5日				1月 6日				1月 6日				1月 6日			
a b	+0.1177		+0.0090		+0.1250		+0.0077		+0.1776		-0.0066		+0.1354		+0.0049	
a′ b′	-0.2444		-0.9697		-0.2624		-0.9650		-0.2631		-0.9648		-0.2647		-0.9643	
FK3番号	268				270				269				271			

本初子午線正中時

星名	27 G.Cari				δ CMaj				63 Auri				I Pupp			
等級 スペクトル型	5.30		A 0		1.98		F8p		5.07		K 2		4.47		F 0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	7h 3m		-56° 39′		7h 6m		-26° 18′		7h 8m		+39° 24′		7h 11m		-46° 39′	
1 1.0	22.141 s	37	64.65″	361	17.394 s	94	27.28″	279	5.634 s	163	30.06″	98	5.993 s	72	69.96″	347
10.9	22.178	$\overline{43}$	68.26	349	17.488	41	30.07	265	5.797	102	31.04	110	6.065	5	73.43	334
20.9	22.135	122	71.75	325	17.529	$\overline{12}$	32.72	243	5.899	37	32.14	117	6.070	$\overline{60}$	76.77	312
30.9	22.013	194	75.00	293	17.517	63	35.15	215	5.936	$\overline{25}$	33.31	118	6.010	121	79.89	282
2 9.9	21.819	259	77.93	255	17.454	107	37.30	182	5.911	82	34.49	114	5.889	177	82.71	245
19.9	21.560	312	80.48	211	17.347	146	39.12	147	5.829	131	35.63	103	5.712	223	85.16	203
29.9	21.248	354	82.59	163	17.201	175	40.59	110	5.698	169	36.66	89	5.489	259	87.19	158
3 10.8	20.894	382	84.22	112	17.026	196	41.69	70	5.529	197	37.55	69	5.230	285	88.77	109
20.8	20.512	396	85.34	60	16.830	205	42.39	31	5.332	209	38.24	48	4.945	298	89.86	60
30.8	20.116	397	85.94	6	16.625	205	42.70	$\overline{8}$	5.123	210	38.72	24	4.647	299	90.46	10
4 9.8	19.719	385	86.00	$\overline{43}$	16.420	195	42.62	47	4.913	197	38.96	0	4.348	290	90.56	$\overline{39}$
19.7	19.334	360	85.55	97	16.225	176	42.15	84	4.716	174	38.96	$\overline{22}$	4.058	270	90.17	88
29.7	18.974	326	84.58	145	16.049	151	41.31	119	4.542	142	38.74	43	3.788	242	89.29	134
5 9.7	18.648	283	83.13	190	15.898	120	40.12	152	4.400	102	38.31	61	3.546	206	87.95	176
19.6	18.365	231	81.23	230	15.778	84	38.60	181	4.298	57	37.70	76	3.340	164	86.19	214
29.6	18.134	174	78.93	265	15.694	46	36.79	206	4.241	10	36.94	87	3.176	119	84.05	248
6 8.6	17.960	114	76.28	292	15.648	7	34.73	225	4.231	$\overline{38}$	36.07	97	3.057	70	81.57	275
18.6	17.846	50	73.36	313	15.641	$\overline{32}$	32.48	240	4.269	86	35.10	102	2.987	19	78.82	295
28.5	17.796	$\overline{16}$	70.23	325	15.673	72	30.08	248	4.355	132	34.08	105	2.968	$\overline{33}$	75.87	306
7 8.5	17.812	80	66.98	328	15.745	110	27.60	248	4.487	175	33.03	106	3.001	83	72.81	310
18.5	17.892	144	63.70	321	15.855	145	25.12	241	4.662	215	31.97	105	3.084	132	69.71	304
28.5	18.036	205	60.49	305	16.000	178	22.71	227	4.877	251	30.92	102	3.216	179	66.67	289
8 7.4	18.241	261	57.44	278	16.178	209	20.44	204	5.128	283	29.90	98	3.395	224	63.78	264
17.4	18.502	313	54.66	241	16.387	236	18.40	174	5.411	311	28.92	94	3.619	264	61.14	230
27.4	18.815	358	52.25	196	16.623	260	16.66	137	5.722	335	27.98	87	3.883	299	58.84	186
9 6.3	19.173	396	50.29	143	16.883	280	15.29	93	6.057	356	27.11	82	4.182	330	56.98	137
16.3	19.569	425	48.86	84	17.163	297	14.36	46	6.413	373	26.29	74	4.512	354	55.61	80
26.3	19.994	444	48.02	20	17.460	310	13.90	$\overline{5}$	6.786	387	25.55	66	4.866	371	54.81	19
10 6.3	20.438	451	47.82	$\overline{43}$	17.770	316	13.95	57	7.173	395	24.89	54	5.237	380	54.62	$\overline{43}$
16.2	20.889	447	48.27	110	18.086	318	14.52	109	7.568	399	24.35	43	5.617	380	55.05	106
26.2	21.336	429	49.37	173	18.404	313	15.61	156	7.967	395	23.92	27	5.997	370	56.11	165
11 5.2	21.765	401	51.10	228	18.717	300	17.17	198	8.362	386	23.65	11	6.367	351	57.76	219
15.2	22.166	358	53.38	278	19.017	280	19.15	234	8.748	367	23.54	$\overline{8}$	6.718	322	59.95	266
25.1	22.524	304	56.16	317	19.297	252	21.49	262	9.115	340	23.62	28	7.040	281	62.61	304
12 5.1	22.828	240	59.33	345	19.549	217	24.11	280	9.455	303	23.90	48	7.321	233	65.65	331
15.1	23.068	167	62.78	362	19.766	175	26.91	288	9.758	256	24.38	68	7.554	177	68.96	348
25.0	23.235	90	66.40	367	19.941	127	29.79	287	10.014	203	25.06	86	7.731	114	72.44	351
35.0	23.325		70.07		20.068		32.66		10.217		25.92		7.845		75.95	
平位	20.114 s		72.52″		16.562 s		33.85″		4.854 s		26.40″		4.588 s		77.99″	
Secδ Tanδ	+1.820		-1.521		+1.116		-0.494		+1.294		+0.822		+1.457		-1.060	
2回正中	1月 7日				1月 8日				1月 8日				1月 9日			
a b	+0.0558		+0.0277		+0.1217		+0.0094		+0.2057		-0.0160		+0.0860		+0.0216	
a′ b′	-0.2728		-0.9621		-0.2852		-0.9585		-0.2927		-0.9562		-0.3052		-0.9523	
FK3番号	272				273				274				275			

本初子午線正中時

星名	64 Auri		λ Gemi		π Pupp		δ Voln	
等級	5.75		3.65		2.74		4.02	
スペクトル型	A3		A2		K5		F5	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 7 14	° ′ +40 58	h m 7 15	° ′ +16 38	h m 7 15	° ′ −36 59	h m 7 16	° ′ −67 51
	s	″	s	″	s	″	s	″
1 1.0	26.236 174	43.28 105	6.853 143	13.49 47	19.371 92	62.81 321	54.99 2	33.78 371
10.9	26.410 110	44.33 118	6.996 92	13.02 33	19.463 33	66.02 309	55.01 9	37.49 363
20.9	26.520 45	45.51 126	7.088 39	12.69 18	19.496 24	69.11 287	54.92 20	41.12 344
30.9	26.565 18	46.77 127	7.127 11	12.51 5	19.472 80	71.98 259	54.72 30	44.56 317
2 9.9	26.547 79	48.04 124	7.116 59	12.46 6	19.392 130	74.57 225	54.42 40	47.73 280
19.9	26.468 129	49.28 113	7.057 99	12.52 14	19.262 172	76.82 185	54.02 47	50.53 238
29.9	26.339 170	50.41 97	6.958 132	12.66 20	19.090 205	78.67 143	53.55 54	52.91 192
3 10.8	26.169 199	51.38 77	6.826 153	12.86 23	18.885 229	80.10 98	53.01 58	54.83 141
20.8	25.970 213	52.15 54	6.673 165	13.09 25	18.656 241	81.08 54	52.43 60	56.24 90
30.8	25.757 215	52.69 29	6.508 166	13.34 26	18.415 242	81.62 8	51.83 62	57.14 35
4 9.8	25.542 204	52.98 4	6.342 156	13.60 25	18.173 234	81.70 38	51.21 60	57.49 18
19.7	25.338 182	53.02 21	6.186 139	13.85 24	17.939 217	81.32 81	50.61 58	57.31 72
29.7	25.156 150	52.81 43	6.047 112	14.09 24	17.722 191	80.51 123	50.03 53	56.59 122
5 9.7	25.006 111	52.38 64	5.935 82	14.33 24	17.531 159	79.28 162	49.50 48	55.37 169
19.6	24.895 66	51.74 80	5.853 46	14.57 24	17.372 123	77.66 196	49.02 42	53.68 214
29.6	24.829 18	50.94 94	5.807 9	14.81 25	17.249 82	75.70 227	48.60 34	51.54 252
6 8.6	24.811 30	50.00 104	5.798 29	15.06 26	17.167 40	73.43 252	48.26 26	49.02 284
18.6	24.841 79	48.96 112	5.827 67	15.32 26	17.127 −3	70.91 269	48.00 16	46.18 308
28.5	24.920 126	47.84 115	5.894 104	15.58 26	17.130 47	68.22 281	47.84 8	43.10 324
7 8.5	25.046 171	46.69 117	5.998 138	15.84 24	17.177 90	65.41 283	47.76 3	39.86 332
18.5	25.217 211	45.52 117	6.136 169	16.08 22	17.267 131	62.58 278	47.79 12	36.54 330
28.5	25.428 248	44.35 114	6.305 199	16.30 16	17.398 170	59.80 263	47.91 21	33.24 316
8 7.4	25.676 282	43.21 111	6.504 224	16.46 8	17.568 206	57.17 241	48.12 30	30.08 293
17.4	25.958 312	42.10 105	6.728 247	16.54 0	17.774 240	54.76 208	48.42 39	27.15 260
27.4	26.270 337	41.05 100	6.975 268	16.54 12	18.014 270	52.68 168	48.81 46	24.55 218
9 6.3	26.607 360	40.05 92	7.243 285	16.42 25	18.284 295	51.00 121	49.27 52	22.37 166
16.3	26.967 378	39.13 83	7.528 301	16.17 39	18.579 317	49.79 69	49.79 57	20.71 108
26.3	27.345 392	38.30 74	7.829 313	15.78 53	18.896 331	49.10 12	50.36 61	19.63 45
10 6.3	27.737 403	37.56 61	8.142 321	15.25 66	19.227 341	48.98 46	50.97 62	19.18 22
16.2	28.140 408	36.95 48	8.463 326	14.59 77	19.568 344	49.44 104	51.59 62	19.40 88
26.2	28.548 406	36.47 31	8.789 326	13.82 86	19.912 337	50.48 160	52.21 59	20.28 153
11 5.2	28.954 396	36.16 13	9.115 319	12.96 92	20.249 324	52.08 209	52.80 55	21.81 213
15.2	29.350 379	36.03 8	9.434 306	12.04 92	20.573 301	54.17 252	53.35 49	23.94 265
25.1	29.729 352	36.11 30	9.740 284	11.12 89	20.874 270	56.69 287	53.84 41	26.59 309
12 5.1	30.081 315	36.41 52	10.024 255	10.23 82	21.144 229	59.56 310	54.25 32	29.68 343
15.1	30.396 268	36.93 73	10.279 218	9.41 72	21.373 182	62.66 325	54.57 21	33.11 364
25.0	30.664 214	37.66 92	10.497 175	8.69 58	21.555 129	65.91 327	54.78 9	36.75 374
35.0	30.878	38.58	10.672	8.11	21.684	69.18	54.87	40.49
中位	s 25.423	″ 39.93	s 6.299	″ 9.13	s 18.319	″ 70.56	s 51.716	″ 43.40
Sec δ Tan δ	+1.325	+0.869	+1.044	+0.299	+1.252	−0.754	+2.654	−2.458
2回正中	1月10日		1月10日		1月10日		1月10日	
a b	+0.2082	−0.0185	+0.1722	−0.0064	+0.1058	+0.0162	−0.0014	+0.0539
a′ b′	−0.3191	−0.9477	−0.3219	−0.9468	−0.3227	−0.9465	−0.3291	−0.9443
FK3番号	276		277		278		281	

本初子午線正中時

星名	δ Gemi		19 Lync sq		η C Maj		ι Gemi	
等級	3.51		5.61		2.43		3.89	
スペクトル型	F0		B8		B5p		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 7 17	° ′ +22 4	h m 7 18	° ′ +55 22	h m 7 22	° ′ −29 11	h m 7 22	° ′ +27 54
	s	″	s	″	s	″	s	″
1 1.0	1.680 151	51.38 13	39.148 216	56.91 185	3.079 108	54.22 296	30.544 164	15.11 21
11.0	1.831 98	51.25 7	39.364 133	58.76 198	3.187 54	57.18 284	30.708 108	15.32 36
20.9	1.929 44	51.26 15	39.497 47	60.74 202	3.241 7	60.02 262	30.816 52	15.68 49
30.9	1.973 9	51.41 25	39.544 36	62.76 198	3.240 52	62.64 236	30.868 9	16.17 57
2 9.9	1.964 58	51.66 33	39.508 113	64.74 187	3.188 101	65.00 204	30.864 56	16.74 63
19.9	1.906 101	51.99 37	39.395 181	66.61 165	3.087 141	67.04 168	30.808 101	17.37 63
29.9	1.805 133	52.36 39	39.214 235	68.26 140	2.946 174	68.72 130	30.707 137	18.00 60
3 10.8	1.672 158	52.75 37	38.979 273	69.66 106	2.772 197	70.02 89	30.570 163	18.60 53
20.8	1.514 169	53.12 33	38.706 296	70.72 70	2.575 209	70.91 49	30.407 177	19.13 44
30.8	1.345 171	53.45 28	38.410 300	71.42 32	2.366 211	71.40 8	30.230 179	19.57 32
4 9.8	1.174 162	53.73 22	38.110 287	71.74 7	2.155 204	71.48 33	30.051 171	19.89 20
19.7	1.012 143	53.95 16	37.823 262	71.69 44	1.951 189	71.15 72	29.880 152	20.09 7
29.7	0.869 117	54.11 10	37.561 221	71.23 80	1.762 165	70.43 110	29.728 126	20.16 3
5 9.7	0.752 85	54.21 5	37.340 173	70.43 110	1.597 136	69.33 144	29.602 94	20.13 14
19.7	0.667 49	54.26 1	37.167 115	69.33 137	1.461 102	67.89 176	29.508 56	19.99 23
29.6	0.618 10	54.27 1	37.052 54	67.96 159	1.359 66	66.13 203	29.452 16	19.76 29
6 8.6	0.608 30	54.26 4	36.998 71	66.37 175	1.293 26	64.10 226	29.436 23	19.47 35
18.6	0.638 68	54.22 5	37.009 75	64.62 186	1.267 72	61.84 242	29.461 65	19.12 39
28.5	0.706 106	54.17 6	37.084 138	62.76 193	1.279 53	59.42 252	29.526 105	18.73 42
7 8.5	0.812 142	54.11 9	37.222 198	60.83 195	1.332 90	56.90 255	29.631 143	18.31 45
18.5	0.954 174	54.02 11	37.420 254	58.88 193	1.422 128	54.35 251	29.774 177	17.86 48
28.5	1.128 204	53.91 14	37.674 305	56.95 187	1.550 163	51.84 237	29.951 208	17.38 50
8 7.4	1.332 231	53.77 20	37.979 352	55.08 176	1.713 195	49.47 216	30.159 237	16.88 52
17.4	1.563 256	53.57 26	38.331 394	53.32 165	1.908 225	47.31 186	30.396 263	16.36 56
27.4	1.819 276	53.31 34	38.725 430	51.67 149	2.133 253	45.45 150	30.659 286	15.80 60
9 6.4	2.095 295	52.97 42	39.155 461	50.18 131	2.386 276	43.95 107	30.945 306	15.20 64
16.3	2.390 310	52.55 51	39.616 486	48.87 110	2.662 296	42.88 59	31.251 322	14.56 68
26.3	2.700 324	52.04 60	40.102 507	47.77 88	2.958 311	42.29 6	31.573 337	13.88 70
10 6.3	3.024 333	51.44 68	40.609 519	46.89 61	3.269 322	42.23 49	31.910 348	13.18 72
16.2	3.357 337	50.76 72	41.128 526	46.28 35	3.591 325	42.70 101	32.258 353	12.46 72
26.2	3.694 338	50.00 76	41.654 522	45.93 4	3.916 323	43.71 151	32.611 355	11.74 68
11 5.2	4.032 331	49.28 76	42.176 509	45.89 27	4.239 313	45.22 197	32.966 348	11.06 62
15.2	4.363 317	48.52 71	42.685 485	46.16 59	4.552 294	47.19 236	33.314 335	10.44 53
25.1	4.680 296	47.81 64	43.170 447	46.75 91	4.846 268	49.55 267	33.649 313	9.91 40
12 5.1	4.976 266	47.17 54	43.617 399	47.66 121	5.114 233	52.22 289	33.962 283	9.51 26
15.1	5.242 228	46.63 40	44.016 338	48.87 149	5.347 190	55.11 300	34.245 244	9.25 8
25.1	5.470 184	46.23 26	44.354 266	50.36 172	5.537 142	58.11 302	34.489 197	9.17 8
35.0	5.654	45.98	44.620	52.08	5.679	61.13	34.686	9.25
中位	s 1.101	″ 47.34	s 37.868	″ 54.14	s 2.226	″ 61.84	s 29.922	″ 11.50
Sec δ Tan δ	+1.079	+0.406	+1.760	+1.449	+1.146	−0.559	+1.132	+0.530
2回正中	1月10日		1月11日		1月12日		1月12日	
a b	+0.1789	−0.0089	+0.2443	−0.0325	+0.1184	+0.0131	+0.1864	−0.0124
a′ b′	−0.3298	−0.9441	−0.3364	−0.9417	−0.3504	−0.9366	−0.3522	−0.9359
FK3番号	279		280		283		282	

本初子午線正中時

星名	βC Min		Grb 1308 Caml		ρ Gemi		α Gemi A	
等スペク線トル型	3.09	B8	5.80	K0	4.18	F0	1.99	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 7 24	° ′ + 8 23	h m 7 25	° ′ +68 34	h m 7 25	° ′ +31 53	h m 7 31	° ′ +32 0
	s	″	s	″	s	″	s	″
1 1.0	20.381	49.25	31.57	31.67	46.790	26.06	17.666	18.87
11.0	20.525	48.23	31.87	34.14	46.963	26.52	17.845	19.30
20.9	20.619	47.37	32.05	36.73	47.079	27.13	17.966	19.89
30.9	20.662	46.67	32.10	39.35	47.136	27.86	18.029	20.61
	144	102	30	247	173	46	179	43
	94	86	18	259	116	61	121	59
	43	70	5	262	57	73	63	72
	6	52	8	264	7	80	4	81
2 9.9	20.656	46.15	32.02	41.89	47.135	28.66	18.033	21.42
19.9	20.604	45.78	31.83	44.26	47.080	29.50	17.983	22.27
29.9	20.512	45.57	31.53	46.36	46.978	30.32	17.884	23.10
	52	37	19	237	55	84	50	85
	92	21	30	210	102	82	99	83
	124	8	39	174	141	76	138	78
3 10.8	20.388	45.49	31.14	48.10	46.837	31.08	17.746	23.88
20.8	20.241	45.53	30.70	49.42	46.670	31.73	17.580	24.55
30.8	20.082	45.67	30.22	50.28	46.487	32.24	17.398	25.09
	147	4	44	132	167	65	166	67
	159	14	48	86	183	51	182	54
	162	22	50	36	187	37	187	39
4 9.8	19.920	45.89	29.72	50.64	46.300	32.61	17.211	25.48
19.7	19.767	46.20	29.24	50.52	46.122	32.80	17.032	25.70
29.7	19.629	46.58	28.79	49.91	45.961	32.84	16.869	25.76
	153	31	48	72	178	19	179	22
	138	38	45	61	161	4	163	6
	115	44	39	105	133	12	137	17
5 9.7	19.514	47.02	28.40	48.86	45.828	32.72	16.732	25.65
19.7	19.428	47.54	28.08	47.41	45.728	32.46	16.628	25.41
29.6	19.375	48.11	27.84	45.62	45.666	32.09	16.561	25.04
	86	52	32	145	100	26	104	24
	53	57	24	179	62	37	67	37
	18	63	15	208	21	48	27	48
6 8.6	19.357	48.74	27.69	43.54	45.645	31.61	16.534	24.56
18.6	19.375	49.41	27.64	41.24	45.668	31.06	16.550	23.99
28.5	19.428	50.10	27.69	38.78	45.731	30.45	16.607	23.36
	18	67	5	230	23	55	16	57
	53	69	3	246	63	61	57	63
	89	71	15	254	106	66	99	68
7 8.5	19.517	50.81	27.84	36.24	45.837	29.79	16.706	22.68
18.5	19.638	51.51	28.09	33.67	45.981	29.11	16.844	21.96
28.5	19.791	52.15	28.42	31.13	46.161	28.40	17.017	21.21
	121	70	25	257	144	68	138	72
	153	64	33	254	180	71	173	75
	180	58	42	245	214	73	207	78
8 7.4	19.971	52.73	28.84	28.68	46.375	27.67	17.224	20.43
17.4	20.178	53.20	29.34	26.36	46.618	26.93	17.462	19.64
27.4	20.408	53.52	29.90	24.23	46.889	26.17	17.727	18.83
	207	47	50	232	243	74	238	79
	230	32	56	213	271	76	265	81
	251	16	63	191	295	77	290	83
9 6.4	20.659	53.68	30.53	22.32	47.184	25.40	18.017	18.00
16.3	20.928	53.64	31.21	20.67	47.500	24.62	18.330	17.17
26.3	21.214	53.39	31.93	19.32	47.834	23.84	18.661	16.32
	269	4	68	165	316	78	313	83
	286	25	72	135	334	78	331	85
	299	47	75	102	350	77	347	83
10 6.3	21.513	52.92	32.68	18.30	48.184	23.07	19.008	15.49
16.2	21.822	52.23	33.46	17.63	48.545	22.33	19.368	14.68
26.2	22.137	51.33	34.24	17.36	48.913	21.63	19.735	13.92
	309	69	78	67	361	74	360	81
	315	90	78	27	448	70	367	76
	316	106	78	72	368	63	370	69
11 5.2	22.453	50.27	35.02	17.48	49.281	21.00	20.105	13.23
15.2	22.764	49.07	35.77	18.02	49.644	20.48	20.469	12.65
25.1	23.062	47.79	36.49	18.98	49.994	20.09	20.822	12.20
	311	120	75	54	363	52	364	58
	298	128	72	96	350	39	353	45
	279	132	66	135	327	23	331	28
12 5.1	23.341	46.47	37.15	20.33	50.321	19.86	21.153	11.92
15.1	23.593	45.17	37.73	22.06	50.618	19.80	21.453	11.82
26.1	23.809	43.94	38.22	24.12	50.874	19.94	21.715	11.91
35.0	23.983	42.81	38.60	26.43	51.082	20.26	21.928	12.20
	252	130	58	173	297	6	300	10
	216	123	49	206	256	14	262	9
	174	113	38	231	208	32	213	29
平均	s 19.847	″ 44.43	s 29.188	″ 29.52	s 46.124	″ 22.77	s 17.008	″ 15.13
Sec&Tan6	+1.011	+0.148	+2.738	+2.548	+1.178	+0.622	+1.179	+0.625
2回正中	1月12日		1月13日		1月13日		1月14日	
a b	+0.1625	−0.0035	+0.3116	−0.0619	+0.1919	−0.0152	+0.1917	−0.0162
a′ b′	−0.3597	−0.9331	−0.3644	−0.9312	−0.3656	−0.9308	−0.3679	−0.9217
FK3番号	285		284		286		287	

本初子午線正中時

星名	108 G. Pupp		25 Mono		127 G. Pupp		α C Min A	
等スペク線トル型	4.52	F8	5.17	F5	4.62	B8	0.48	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 7 31	° ′ −22 10	h m 7 34	° ′ −9 59	h m 7 35	° ′ −34 50	h m 7 36	° ′ +5 21
	s	″	s	″	s	″	s	″
1 1.0	50.225	50.11	42.070	30.64	27.485	52.53	35.333	38.94
11.0	50.350	52.81	42.212	32.42	27.604	55.73	35.481	37.68
20.9	50.423	55.37	42.306	34.05	27.665	58.82	35.580	36.57
30.9	50.444	57.94	42.350	35.49	27.669	61.73	35.629	35.65
	125	270	142	178	119	320	148	126
	73	256	94	163	61	309	99	111
	21	237	48	144	4	291	49	92
	30	213	6	124	52	265	7	74
2 9.9	50.414	59.87	42.344	36.73	27.617	64.38	35.628	34.91
19.9	50.337	61.70	42.293	37.74	27.515	66.71	35.580	34.36
29.9	50.220	63.20	42.202	38.51	27.368	68.68	35.492	33.99
	77	183	51	101	102	233	48	55
	117	150	91	77	147	197	88	39
	150	117	123	56	183	157	120	21
3 10.9	50.070	64.37	42.079	39.06	27.185	70.25	35.372	33.78
20.8	49.897	65.17	41.933	39.38	26.977	71.39	35.228	33.72
30.8	49.710	65.62	41.773	39.49	26.753	72.10	35.070	33.80
	173	80	146	32	208	114	144	6
	187	45	160	11	224	71	158	8
	191	8	164	11	229	27	161	19
4 9.8	49.519	65.70	41.609	39.38	26.524	72.37	34.909	33.99
19.7	49.334	65.43	41.452	39.08	26.300	72.20	34.753	34.29
29.7	49.163	64.82	41.307	38.58	26.089	71.60	34.613	34.68
	185	27	157	30	224	17	156	30
	171	61	145	50	211	60	140	39
	150	95	123	68	189	102	120	49
5 9.7	49.013	63.87	41.184	37.90	25.900	70.58	34.493	35.17
19.7	48.891	62.62	41.087	37.06	25.738	69.19	34.401	35.74
29.6	48.799	61.10	41.020	36.07	25.610	67.43	34.340	36.39
	122	125	97	84	162	139	92	57
	92	152	67	99	128	176	61	65
	57	178	34	113	92	206	27	72
6 8.6	48.742	59.32	40.986	34.94	25.518	65.37	34.313	37.11
18.6	48.721	57.35	40.987	33.71	25.466	63.05	34.321	37.88
28.6	48.736	55.23	41.022	32.39	25.454	60.53	34.363	38.68
	21	197	7	123	52	232	8	77
	15	212	35	132	12	252	42	80
	53	221	69	135	29	265	77	81
7 8.5	48.789	53.02	41.091	31.04	25.483	57.88	34.440	39.49
18.5	48.876	50.77	41.192	29.69	25.553	55.17	34.550	40.29
28.5	48.996	48.57	41.325	28.38	25.663	52.49	34.690	41.03
	87	225	101	135	70	271	110	80
	122	220	133	131	110	268	140	74
	155	208	161	121	148	257	168	67
8 7.4	49.153	46.49	41.486	27.17	25.811	49.92	34.858	41.70
17.4	49.338	44.59	41.674	26.11	25.996	47.55	35.063	42.24
27.4	49.551	42.96	41.887	25.24	26.214	45.47	35.272	42.63
	185	190	188	106	185	237	195	54
	213	163	213	87	218	208	219	39
	239	131	235	63	250	172	241	20
9 6.4	49.790	41.65	42.122	24.61	26.464	43.75	35.513	42.83
16.3	50.053	40.74	42.378	24.27	26.742	42.48	35.773	42.80
26.3	50.334	40.26	42.651	24.24	27.043	41.71	36.051	42.54
	263	91	256	34	278	127	260	3
	281	48	273	3	301	77	278	26
	298	0	289	30	320	23	292	51
10 6.3	50.632	40.26	42.940	24.54	27.363	41.48	36.343	42.03
16.3	50.942	40.74	43.240	25.18	27.697	41.82	36.646	41.27
26.2	51.257	41.71	43.548	26.15	28.037	42.72	36.957	40.29
	310	48	300	64	334	34	303	76
	315	97	308	97	340	90	311	98
	316	143	309	126	339	146	313	120
11 5.2	51.573	43.14	43.857	27.41	28.376	44.18	37.270	39.09
16.2	51.882	44.97	44.162	28.93	28.706	46.14	37.579	37.74
26.1	52.177	47.16	44.457	30.65	29.019	48.54	37.878	36.27
	309	183	305	152	330	196	309	135
	295	219	295	172	313	240	279	147
	271	247	275	186	285	275	280	153
12 5.1	52.448	49.63	44.732	32.51	29.304	51.29	38.158	34.74
15.1	52.689	52.28	44.980	34.44	29.553	54.31	38.411	35.21
25.1	52.891	55.03	45.194	36.38	29.757	57.49	38.630	31.74
35.0	53.048	57.79	45.366	38.25	29.912	60.73	38.809	30.37
	241	265	248	193	249	302	253	153
	202	275	214	194	204	318	219	147
	157	276	172	187	155	324	179	137
平均	s 49.511	″ 57.64	s 44.522	″ 36.57	s 26.550	″ 61.39	s 34.832	″ 35.06
Sec&Tan6	+1.080	−0.408	+1.002	−0.070	+1.219	−0.696	+1.004	+0.094
2回正中	1月14日		1月15日		1月15日		1月15日	
a b	+0.1283	+0.0106	+0.1491	+0.0019	+0.1109	+0.0188	+0.1590	−0.0026
a′ b′	−0.3900	−0.9208	−0.4015	−0.9159	−0.4045	−0.9145	−0.4090	−0.9125
FK3番号	288		289		290		291	

本初子午線正中時

星名	24 Lyncis		26 α Monocerotis		κ Geminorum		β Geminorum	
等級	4.96		4.07		3.68		1.21	
スペクトル型	A2		K0		G5		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 7 38	° ′ +58 49	h m 7 38	° ′ −9 25	h m 7 41	° ′ +24 31	h m 7 42	° ′ +28 9
	s	″	s	″	s	″	s	″
1 1.0	38.533	65.28	46.305	36.21	19.197	31.19	8.790	15.49
	265	194	142	209	179	8	182	15
11.0	38.798	67.22	46.447	38.30	19.376	31.11	8.972	15.64
	175	211	93	194	126	10	128	32
20.9	38.973	69.33	46.540	40.24	19.502	31.21	9.100	15.96
	81	219	43	177	70	26	71	48
30.9	39.054	71.52	46.583	42.01	19.572	31.47	9.171	16.44
	10	219	7	154	15	38	14	60
2 9.9	39.044	73.71	46.576	43.55	19.587	31.85	9.185	17.04
	98	209	53	129	37	48	40	67
19.9	38.946	75.80	46.523	44.84	19.550	32.33	9.145	17.71
	175	191	93	103	82	53	87	70
29.9	38.771	77.71	46.430	45.87	19.468	32.86	9.058	18.41
	240	164	125	76	120	54	126	69
3 10.9	38.531	79.35	46.305	46.63	19.348	33.40	8.932	19.10
	288	132	150	49	148	53	154	62
20.8	38.243	80.67	46.155	47.12	19.200	33.93	8.778	19.72
	318	94	163	23	165	46	172	54
30.8	37.925	81.61	45.992	47.35	19.035	34.39	8.606	20.26
	331	53	168	2	171	40	178	43
4 9.8	37.594	82.14	45.824	47.33	18.864	34.79	8.428	20.69
	324	12	163	28	166	30	172	30
19.7	37.270	82.26	45.661	47.05	18.698	35.09	8.256	20.99
	302	30	150	52	151	21	159	17
29.7	36.968	81.96	45.511	46.53	18.547	35.30	8.097	21.16
	266	70	130	74	129	12	135	4
5 9.7	36.702	81.26	45.381	45.79	18.418	35.42	7.962	21.20
	218	105	104	95	100		105	8
19.7	36.484	80.21	45.277	44.84	18.318	35.45	7.857	21.12
	160	137	75	115	67	3	70	19
29.6	36.324	78.84	45.202	43.69	18.251	35.41	7.787	20.93
	97	163	42	131	30	4	33	28
6 8.6	36.227	77.21	45.160	42.38	18.221	35.30	7.794	20.65
	29	186	8	145	8	17	7	36
18.6	36.198	75.35	45.152	40.93	18.229	35.13	7.761	20.29
	39	201	26	156	47	22	46	42
28.6	36.237	73.34	45.178	39.37	18.276	34.91	7.807	19.87
	107	212	60	161	84	27	85	48
7 8.5	36.344	71.22	45.238	37.76	18.360	34.64	7.892	19.39
	173	219	93	162	119	31	122	53
18.5	36.517	69.03	45.331	36.14	18.479	34.33	8.014	18.86
	236	219	124	157	153	35	157	57
28.5	36.753	66.84	45.455	34.57	18.632	33.98	8.171	18.29
	295	215	155	148	185	40	190	61
8 7.4	37.048	64.69	45.610	33.09	18.817	33.58	8.361	17.68
	348	209	181	132	213	46	219	66
17.4	37.396	62.60	45.791	31.77	19.030	33.12	8.580	17.02
	398	197	208	111	240	52	246	70
27.4	37.794	60.63	45.999	30.66	19.270	32.60	8.826	16.32
	441	181	231	84	264	60	271	76
9 6.4	38.235	58.82	46.230	29.82	19.534	32.00	9.097	15.56
	480	164	253	52	285	67	294	80
16.3	38.715	57.18	46.483	29.30	19.819	31.33	9.391	14.76
	512	142	271	17	305	75	313	84
26.3	39.227	55.76	46.754	29.13	20.124	30.58	9.704	13.92
	540	118	288	21	322	81	330	87
10 6.3	39.767	54.58	47.042	29.34	20.446	29.77	10.034	13.05
	559	90	299	59	336	87	344	90
16.3	40.326	53.68	47.341	29.93	20.782	28.90	10.378	12.15
	570	59	308	96	344	90	354	88
26.2	40.896	53.09	47.649	30.89	21.126	28.00	10.732	11.27
	573	26	310	133	349	91	357	85
11 5.2	41.469	52.83	47.959	32.22	21.475	27.09	11.089	10.42
	563	9	306	162	345	87	355	79
15.2	42.032	52.92	48.265	33.84	21.820	26.22	11.444	9.63
	541	46	295	188	337	80	344	67
25.1	42.573	53.38	48.560	35.72	22.157	25.42	11.788	8.96
	507	82	275	207	318	70	326	54
12 5.1	43.080	54.20	48.835	37.79	22.475	24.72	12.114	8.42
	456	117	249	217	290	56	297	38
15.1	43.536	55.37	49.084	39.96	22.765	24.16	12.411	8.04
	394	149	214	221	255	40	261	19
25.1	43.930	56.86	49.298	42.17	23.020	23.76	12.672	7.85
	319	177	172	217	212	21	216	1
35.0	44.249	58.63	49.470	44.34	23.232	23.55	12.888	7.86
平位	s 37.051	″ 63.81	s 45.734	″ 42.75	s 18.616	″ 27.86	s 8.174	″ 12.46
Sec Tan δ	+1.932	+1.653	+1.014	−0.166	+1.099	+0.456	+1.134	+0.535
2回正中	1月16日		1月16日		1月17日		1月17日	
a b	+0.2535	−0.0460	+0.1433	+0.0046	+0.1808	−0.0130	+0.1855	−0.0154
a′ b′	−0.4171	−0.9088	−0.4177	−0.9086	−0.4278	−0.9039	−0.4311	−0.9023
FK3番号	292		293		294		295	

本初子午線正中時

星名	ζ Volantis		π Geminorum		＋9 Puppis m		213 G. Puppis	
等級	3.89		5.29		5.34		3.76	
スペクトル型	K0		K2		G0		G5	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 7 42	° ′ −72 28	h m 7 44	° ′ +33 32	h m 7 49	° ′ −13 45	h m 7 50	° ′ −40 26
	s	″	s	″	s	″	s	″
1 1.1	32.46	41.06	10.072	44.85	22.352	24.40	26.691	16.27
	8	375	196	47	149	235	133	339
11.0	32.54	44.81	10.268	45.32	22.501	26.75	26.824	19.66
	6	373	138	66	100	222	73	334
20.9	32.48	48.54	10.406	45.98	22.601	28.97	26.897	23.00
	20	361	79	80	49	204	10	316
30.9	32.28	52.15	10.485	46.78	22.650	31.01	26.907	26.16
	33	339	19	90	2	181	48	294
2 9.9	31.95	55.54	10.504	47.68	22.648	32.82	26.859	29.10
	45	310		96	48	156	104	262
19.9	31.50	58.64	10.465	48.64	22.600	34.38	26.755	31.72
	55	272	39	94	90	127	153	226
29.9	30.95	61.36	10.377	49.58	22.510	35.65	26.602	33.98
	64	230	88	90	123	98	192	186
3 10.9	30.31	63.66	10.247	50.48	22.387	36.63	26.410	35.84
	70	182	162	78	149	68	222	142
20.8	29.61	65.48	10.085	51.26	22.238	37.31	26.188	37.26
	75	133	180	65	165	38	241	98
30.8	28.86	66.81	9.905	51.91	22.073	37.69	25.947	38.24
	77	80	188	49	171	9	250	50
4 9.8	28.09	67.61	9.717	52.40	21.902	37.78	25.697	38.74
	77	26	183	30	168	19	248	4
19.8	27.32	67.87	9.534	52.70	21.734	37.59	25.449	38.78
	75	27	168	11	157	47	238	42
29.7	26.57	67.60	9.366	52.81	21.577	37.12	25.211	38.36
	71	79	145	6	138	74	218	87
5 9.7	25.86	66.81	9.221	52.75	21.439	36.38	24.993	37.49
	66	130	114	24	114	98	192	129
19.7	25.20	65.51	9.107	52.51	21.325	35.40	24.801	36.20
	60	177	78	38	86	120	160	168
29.6	24.60	63.74	9.029	52.13	21.239	34.20	24.641	34.52
	50	220	38	52	55	140	123	203
6 8.6	24.10	61.54	8.991	51.61	21.184	32.80	24.518	32.49
	42	256		63		157	84	233
18.6	23.68	58.98	8.994	50.98	21.162	31.23	24.434	30.16
	31	287	45	71	22	169	42	257
28.6	23.37	56.11	9.039	50.27	21.175	29.54	24.392	27.59
	19	310	86	79	13	176	1	273
7 8.5	23.18	53.01	9.125	49.48	21.221	27.78	24.393	24.86
	8	323	125	85	79	180	45	282
18.5	23.10	49.78	9.250	48.63	21.300	25.98	24.438	22.04
	4	327	163	88	112	175	88	282
28.5	23.14	46.51	9.413	47.75	21.412	24.23	24.526	19.22
	17	321	196	92	142	167	131	274
8 7.5	23.31	43.30	9.609	46.83	21.554	22.56	24.657	16.48
	28	305	229	95	171	150	171	257
17.4	23.59	40.25	9.838	45.88	21.725	21.06	24.828	13.91
	40	278	258	97	198	128	210	229
27.4	23.99	37.47	10.096	44.91	21.923	19.78	25.038	11.62
	50	241	284	99	223	100	247	193
9 6.4	24.49	35.06	10.380	43.92	22.146	18.78	25.285	9.69
	59	194	309	99	247	67	280	150
16.3	25.08	33.12	10.689	42.93	22.393	18.11	25.565	8.19
	66	140	330	99	268	29	308	99
26.3	25.74	31.72	11.019	41.94	22.661	17.82	25.873	7.20
	72	80	349	98	285	12	332	43
10 6.3	26.46	30.92	11.368	40.96	22.946	17.94	26.205	6.77
	75	14	363	94	300	54	349	16
16.3	27.21	30.78	11.731	40.02	23.246	18.48	26.554	6.93
	77	52	373	87	309	95	359	76
26.2	27.98	31.30	12.104	39.15	23.555	19.43	26.913	7.69
	74	118	378	79	313	135	361	134
11 5.2	28.72	32.48	12.482	38.36	23.868	20.78	27.274	9.03
	71	181	375	66	311	169	353	189
15.2	29.43	34.29	12.857	37.70	24.179	22.47	27.627	10.92
	63	238	365	50	300	199	336	238
25.2	30.06	36.67	13.222	37.20	24.479	24.46	27.963	13.30
	55	288	346	32	283	222	308	278
12 5.1	30.61	39.55	13.568	36.88	24.762	26.68	28.271	16.08
	43	326	316	12	255	236	271	310
15.1	31.04	42.81	13.884	36.76	25.017	29.04	28.542	19.18
	31	355	278	10	221	243	224	331
25.1	31.35	46.36	14.162	36.86	25.238	31.47	28.766	22.49
	18	373	231	32	180	242	171	341
35.0	31.53	50.09	14.393	37.18	25.418	33.89	28.937	25.90
平位	s 28.430	″ 53.30	s 9.394	″ 42.32	s 21.772	″ 31.70	s 25.664	″ 26.59
Sec Tan δ	+3.322	−3.168	+1.200	+0.663	+1.030	−0.245	+1.314	−0.852
2回正中	1月17日		1月17日		1月19日		1月19日	
a b	−0.0371	+0.0913	+0.1931	−0.0194	+0.1388	+0.0075	+0.1030	+0.0263
a′ b′	−0.4324	−0.9017	−0.4390	−0.8985	−0.4593	−0.8883	−0.4634	−0.8862
FK3番号	297		296		298		301	

本初子午線正中時

星名	26 Lync		Grb 1374 Caml		χ Cari		27 Mono	
等級 / スペクトル型	5.69	K 0	5.56	K 0	3.60	B 3	5.06	K 0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 7 50	° ′ +47 41	h m 7 53	° ′ +74 3	h m 7 55	° ′ -52 50	h m 7 57	° ′ -3 32
	s	″	s	″	s	″	s	″
1 1.1	56.879	66.26	64.13	36.48	28.851	19.29	8.741	5.01
	238	128	47	254	134	367	164	183
11.0	57.117	67.54	64.60	39.02	28.985	22.96	8.905	6.84
	169	147	30	274	59	364	117	167
20.9	57.286	69.01	64.90	41.76	29.044	26.60	9.022	8.51
	96	161	14	282	16	351	66	150
30.9	57.382	70.62	65.04	44.58	29.028	30.11	9.088	10.01
	22	168	3	281	87	329	16	128
2 9.9	57.404	72.30	65.01	47.39	28.941	33.40	9.104	11.29
	47	167	20	268	155	298	31	105
19.9	57.357	73.97	64.81	50.07	28.786	36.38	9.073	12.34
	110	158	33	244	213	262	73	83
29.9	57.247	75.55	64.48	52.51	28.573	39.00	9.000	13.17
	162	142	47	212	262	221	108	59
3 10.9	57.085	76.97	64.01	54.63	28.311	41.21	8.892	13.76
	202	119	56	169	298	174	134	39
20.8	56.883	78.16	63.45	56.32	28.013	42.95	8.758	14.13
	228	94	62	123	323	126	151	15
30.8	56.655	79.10	62.83	57.55	27.690	44.21	8.607	14.28
	240	62	67	71	337	75	158	6
4 9.8	56.415	79.72	62.16	58.26	27.353	44.96	8.449	14.22
	237	31	67	17	337	24	156	24
19.8	56.178	80.03	61.49	58.43	27.016	45.20	8.293	13.98
	222	2	64	34	326	27	146	43
29.7	55.956	80.01	60.85	58.09	26.690	44.93	8.147	13.55
	196	33	58	86	307	77	128	61
5 9.7	55.760	79.68	60.27	57.23	26.383	44.16	8.019	12.94
	159	62	51	131	278	125	106	76
19.7	55.601	79.06	59.76	55.92	26.105	42.91	7.913	12.18
	117	88	42	174	242	170	78	90
29.6	55.484	78.18	59.34	54.18	25.863	41.21	7.835	11.28
	70	112	31	209	199	210	48	104
6 8.6	55.414	77.06	59.03	52.09	25.664	39.11	7.787	10.24
	19	130	18	239	151	244	15	114
18.6	55.395	75.76	58.85	49.70	25.513	36.67	7.772	9.10
	32	146		261	101	274	17	121
28.6	55.427	74.30	58.79	47.09	25.412	33.93	7.789	7.89
	84	157	7	276	46	294	49	125
7 8.5	55.511	72.73	58.86	44.33	25.366	30.99	7.838	6.44
	133	165	19	286	9	307	82	126
18.5	55.644	71.08	59.05	41.47	25.375	27.92	7.920	5.38
	179	169	32	288	66	310	112	121
28.5	55.823	69.39	59.37	38.59	25.441	24.82	8.032	4.17
	224	171	44	283	122	305	141	113
8 7.5	56.047	67.68	59.81	35.76	25.563	21.79	8.173	3.04
	265	169	55	274	176	287	169	99
17.4	56.312	65.99	60.36	33.02	25.739	18.90	8.342	2.05
	303	166	64	259	229	262	195	81
27.4	56.615	64.33	61.00	30.43	25.968	16.28	8.537	1.24
	337	158	74	237	278	226	220	57
9 6.4	56.952	62.75	61.74	28.06	26.246	14.02	8.757	0.67
	368	150	83	212	322	181	242	30
16.3	57.320	61.25	62.57	25.94	26.568	12.21	8.999	0.37
	395	138	88	182	361	128	263	0
26.3	57.715	59.87	63.45	24.12	26.929	10.93	9.262	0.37
	419	123	95	148	392	69	281	33
10 6.3	58.134	58.64	64.40	22.64	27.321	10.24	9.543	0.70
	438	106	99	109	415	6	297	66
16.3	58.572	57.58	65.39	21.55	27.736	10.18	9.840	1.36
	450	87	101	68	426	59	307	99
26.2	59.022	56.71	66.40	20.87	28.162	10.77	10.147	2.35
	456	62	102	23	427	123	314	128
11 5.2	59.478	56.09	67.42	20.64	28.589	12.00	10.461	3.63
	454	37	100	23	416	182	312	154
15.2	59.932	55.72	68.42	20.87	29.005	13.82	10.773	5.17
	441	8	96	71	391	239	306	175
25.2	60.373	55.64	69.38	21.58	29.396	16.21	11.079	6.92
	418	23	90	117	355	285	289	188
12 5.1	60.791	55.87	70.28	22.75	29.751	19.06	11.368	8.88
	383	52	81	161	306	322	266	197
15.1	61.174	56.39	71.09	24.36	30.057	22.28	11.634	10.77
	336	83	70	201	247	350	233	197
25.1	61.510	57.22	71.79	26.37	30.304	25.78	11.867	12.74
	280	110	56	234	180	365	194	191
35.0	61.790	58.32	72.35	28.71	30.484	29.43	12.061	14.65
中位	s 5.898	″ 6.501	s 60.701	″ 36.39	s 27.350	″ 31.18	s 8.238	″ 11.23
Sec δ Tan δ	+1.486	+1.099	+3.749	+3.613	+1.656	-1.319	+1.002	-0.062
2回正中	1月19日		1月20日		1月20日		1月21日	
α δ	+0.2182	-0.0341	+0.3585	-0.1114	+0.0763	+0.0425	+0.1497	+0.0020
α′ δ′	-0.4654	-0.8881	-0.4772	-0.8788	-0.4827	-0.8758	-0.4891	-0.8722
FK3番号	299		300		303		304	

本初子午線正中時

星名	53 Caml		χ Gemi		ζ Pupp		27 Lync	
等級 / スペクトル型	6.00	A 2p	5.04	K0	2.27	O d	4.87	A 2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 7 57	° ′ +60 27	h m 8 0	° ′ +27 56	h m 8 1	° ′ -39 51	h m 8 4	° ′ +51 39
	s	″	s	″	s	″	s	″
1 1.1	18.23	68.10	20.215	32.68	46.273	9.36	34.371	30.85
	31	191	204	5	148	339	272	142
11.0	18.54	70.01	20.419	32.73	46.421	12.75	34.643	32.27
	22	213	150	25	88	334	198	164
21.0	18.76	72.14	20.569	32.98	46.509	16.09	34.841	33.91
	12	226	93	43	27	320	119	181
30.9	18.88	74.40	20.662	33.41	46.536	19.29	34.960	35.72
	2	229	35	57	33	298	41	189
2 9.9	18.90	76.69	20.697	33.98	46.503	22.27	35.001	37.61
	8	224	19	68	89	269	36	189
19.9	18.82	78.93	20.678	34.66	46.414	24.96	34.965	39.50
	15	208	68	73	138	234	106	180
29.9	18.67	81.01	20.610	35.39	46.276	27.30	34.859	41.30
	23	184	110	74	179	194	164	163
3 10.9	18.44	82.85	20.500	36.13	46.097	29.24	34.695	42.93
	29	152	141	70	211	153	211	140
20.8	18.15	84.37	20.359	36.83	45.886	30.77	34.484	44.33
	32	116	162	63	231	108	243	111
30.8	17.83	85.53	20.197	37.46	45.655	31.85	34.241	45.44
	35	74	171	52	243	62	259	78
4 9.8	17.48	86.27	20.026	37.98	45.412	32.47	33.982	46.22
	34	31	171	40	242	16	261	43
19.8	17.14	86.58	19.855	38.38	45.170	32.63	33.721	46.65
	33	12	159	27	235	30	248	6
29.7	16.81	86.46	19.696	38.65	44.935	32.33	33.473	46.71
	29	54	140	13	217	75	224	29
5 9.7	16.52	85.92	19.556	38.78	44.718	31.58	33.249	46.42
	25	93	113	0	193	116	189	62
19.7	16.27	84.99	19.443	38.78	44.525	30.42	33.060	45.80
	20	129	81	12	163	157	146	94
29.7	16.07	83.70	19.362	38.66	44.362	28.85	32.914	44.86
	13	159	47	24	129	192	97	121
6 8.6	15.94	82.11	19.315	38.42	44.233	26.93	32.817	43.65
	7	185	9	33	92	222	45	143
18.6	15.87	80.26	19.306	38.09	44.141	24.71	32.772	42.22
	0	206	29	41	51	248	9	163
28.6	15.87	78.20	19.335	37.68	44.090	22.23	32.781	40.59
	8	220	66	49	10	265	64	178
7 8.5	15.95	76.00	19.401	37.19	44.080	19.58	32.845	38.81
	14	230	103	56	33	276	118	188
18.5	16.09	73.70	19.504	36.63	44.113	16.82	32.963	36.93
	21	234	137	62	75	278	168	195
28.5	16.30	71.36	19.641	36.01	44.188	14.04	33.131	34.98
	27	234	170	68	118	272	218	197
8 7.5	16.57	69.02	19.811	35.33	44.306	11.32	33.349	33.01
	33	229	201	74	158	255	263	197
17.4	16.90	66.73	20.012	34.59	44.464	8.77	33.612	31.04
	38	221	229	80	198	231	305	193
27.4	17.28	64.52	20.241	33.79	44.662	6.46	33.917	29.11
	43	207	256	87	235	196	345	186
9 6.4	17.71	62.45	20.497	32.92	44.897	4.50	34.262	27.25
	48	190	280	93	269	155	382	175
16.4	18.19	60.55	20.777	31.99	45.166	2.95	34.644	25.50
	52	169	303	98	299	105	412	162
26.3	18.71	58.86	21.080	31.01	45.465	1.90	35.056	23.88
	55	145	323	103	325	50	442	145
10 6.3	19.26	57.41	21.403	29.98	45.790	1.40	35.498	22.43
	57	117	339	105	345	7	464	126
16.3	19.83	56.24	21.742	28.93	46.135	1.47	35.962	21.17
	59	85	353	105	357	68	480	101
26.2	20.42	55.39	22.095	27.88	46.492	2.15	36.442	20.16
	60	51	360	102	361	125	490	75
11 5.2	21.02	54.88	22.455	26.86	46.853	3.40	36.932	19.41
	60	13	360	95	357	181	491	45
15.2	21.62	54.75	22.815	25.91	47.210	5.21	37.423	18.96
	57	25	354	84	341	230	479	11
25.2	22.19	55.00	23.169	25.07	47.551	7.51	37.902	18.85
	55	65	339	70	317	273	457	22
12 5.1	22.74	55.65	23.508	24.37	47.868	10.24	38.359	19.07
	50	104	313	52	282	304	422	57
15.1	23.24	56.69	23.821	23.85	48.150	13.28	38.781	19.64
	44	141	279	32	237	328	375	91
25.1	23.68	58.10	24.100	23.53	48.387	16.56	39.156	20.55
	36	172	236	11	185	339	315	122
35.1	24.04	59.82	24.336	23.42	48.572	19.95	39.471	21.77
中位	s 16.647	″ 67.88	s 19.624	″ 30.20	s 45.313	″ 20.31	s 33.260	″ 30.61
Sec δ Tan δ	+2.029	+1.765	+1.132	+0.530	+1.303	-0.835	+1.612	+1.264
2回正中	1月21日		1月21日		1月22日		1月22日	
α δ	+0.2559	-0.0576	+0.1839	-0.0177	+0.1054	+0.0282	+0.2255	-0.0436
α′ δ′	-0.4897	-0.8719	-0.5012	-0.8653	-0.5066	-0.8622	-0.5171	-0.8559
FK3番号	302		305		306		307	

本初子午線正中時

星名	ρ Pupp				γ Velr				20 Pupp				Br 1147 Caml			
等級 スペクトル型	2.88		F5		2.22		Oap		5.05		G5		5.73		G5	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	8h 5m		-24° 8′		8h 7m		-47° 10′		8h 10m		-15° 37′		8h 13m		+75° 54′	
1 1.1	s 20.357	159	″ 62.28	285	s 56.922	154	″ 44.78	357	s 57.038	169	″ 41.10	248	s 7.72	58	″ 66.67	248
11.0	20.516	108	65.13	276	57.076	88	48.35	355	57.207	121	43.58	237	8.30	40	69.15	273
21.0	20.624	54	67.89	260	57.164	20	51.90	344	57.328	69	45.95	220	8.70	22	71.88	286
30.9	20.678	1	70.49	237	57.184	$\overline{46}$	55.34	323	57.397	18	48.15	199	8.92	3	74.74	290
2 9.9	20.679	$\overline{48}$	72.86	210	57.138	107	58.57	295	57.415	$\overline{31}$	50.14	173	8.95	$\overline{16}$	77.64	281
19.9	20.631	93	74.96	179	57.031	163	61.52	261	57.384	73	51.87	144	8.79	33	80.45	261
29.9	20.538	129	76.75	145	56.868	208	64.13	220	57.311	110	53.31	115	8.46	47	83.06	231
3 10.9	20.409	158	78.20	109	56.660	244	66.33	177	57.201	139	54.46	84	7.99	60	85.37	192
20.9	20.251	177	79.29	74	56.416	269	68.10	130	57.062	157	55.30	54	7.39	68	87.29	145
30.8	20.074	186	80.03	36	56.147	283	69.40	82	56.905	167	55.84	23	6.71	74	88.74	94
4 9.8	19.888	185	80.39	$\overline{0}$	55.864	285	70.22	33	56.738	168	56.07	$\overline{7}$	5.97	76	89.68	41
19.8	19.703	178	80.39	36	55.579	278	70.55	$\overline{16}$	56.570	159	56.00	36	5.21	74	90.09	$\overline{13}$
29.7	19.525	161	80.03	71	55.301	261	70.39	64	56.411	145	55.64	64	4.47	70	89.96	66
5 9.7	19.364	140	79.32	103	55.040	238	69.75	111	56.266	124	55.00	90	3.77	62	89.30	116
19.7	19.224	113	78.29	134	54.802	206	68.64	154	56.142	99	54.10	114	3.15	53	88.14	161
29.7	19.111	83	76.95	160	54.596	170	67.10	193	56.043	70	52.96	135	2.62	41	86.53	201
6 8.6	19.028	51	75.35	183	54.426	130	65.17	228	55.973	40	51.61	154	2.21	29	84.52	234
18.6	18.977	16	73.52	202	54.296	85	62.89	256	55.933	7	50.07	167	1.92	15	82.18	261
28.6	18.961	18	71.50	214	54.211	39	60.33	277	55.926	25	48.40	177	1.77	1	79.57	281
7 8.6	18.979	53	69.36	221	54.172	$\overline{9}$	57.56	291	55.951	58	46.63	182	1.76	$\overline{14}$	76.76	295
18.5	19.032	88	67.15	220	54.181	58	54.65	296	56.009	89	44.81	179	1.90	27	73.81	300
28.5	19.120	121	64.95	213	54.239	106	51.69	291	56.098	121	43.02	172	2.17	41	70.81	300
8 7.5	19.241	153	62.82	197	54.345	154	48.78	277	56.219	151	41.30	158	2.58	53	67.81	294
17.4	19.394	185	60.85	174	54.499	201	46.01	253	56.370	179	39.72	136	3.11	66	64.87	281
27.4	19.579	214	59.11	144	54.700	245	43.48	219	56.549	207	38.36	110	3.77	77	62.06	262
9 6.4	19.793	242	57.67	107	54.945	285	41.29	177	56.756	233	37.26	76	4.54	86	59.44	239
16.4	20.035	266	56.60	64	55.230	321	39.52	127	56.989	257	36.50	39	5.40	95	57.05	211
26.3	20.301	289	55.96	17	55.551	352	38.25	70	57.246	279	36.11	$\overline{2}$	6.35	103	54.94	177
10 6.3	20.590	306	55.79	$\overline{31}$	55.903	375	37.55	9	57.525	296	36.13	45	7.38	108	53.17	138
16.3	20.896	319	56.10	82	56.278	390	37.46	$\overline{33}$	57.821	309	36.58	89	8.46	111	51.79	97
26.3	21.215	326	56.92	130	56.668	395	37.99	115	58.130	317	37.47	129	9.57	114	50.82	51
11 5.2	21.541	323	58.22	174	57.063	389	39.14	174	58.447	318	38.76	168	10.71	113	50.31	3
15.2	21.864	315	59.96	213	57.452	373	40.88	229	58.765	312	40.44	199	11.84	110	50.28	$\overline{47}$
25.2	22.179	297	62.09	246	57.825	343	43.17	274	59.077	296	42.43	225	12.94	103	50.75	96
12 5.1	22.476	269	64.55	268	58.168	304	45.91	312	59.373	272	44.68	243	13.97	95	51.71	144
15.1	22.745	234	67.23	283	58.472	254	49.03	339	59.645	239	47.11	252	14.92	82	53.15	187
25.1	22.979	191	70.06	289	58.726	196	52.42	356	59.884	200	49.63	254	15.74	69	55.02	226
35.1	23.170		72.95		58.922		55.98		60.084		52.17		16.43		57.28	
平位	s 19.714		″ 71.44		s 53.755		″ 56.97		s 56.502		″ 49.25		s 3.761		″ 67.98	
Sec δ Tan δ	+1.096		-0.448		+1.471		-1.079		+1.038		-0.280		+4.110		+3.987	
2回正中	1月23日				1月23日				1月24日				1月25日			
a b	+0.1278		+0.0156		+0.0923		+0.0381		+0.1376		+0.0101		+0.3756		-0.1458	
a′ b′	-0.5200		-0.8542		-0.5297		-0.8482		-0.5408		-0.8112		-0.5485		-0.8361	
FK3番号	308				309				311				310			

本初子午線正中時

星名	β Cncr				289G. Pupp				31 Lync				ε Cari			
等級 スペクトル型	3.76		K2		4.43		A5		4.43		K5		1.74		K0,B	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	8h 13m		+9° 20′		8h 16m		-36° 29′		8h 19m		+43° 21′		8h 21m		-59° 20′	
1 1.1	s 42.223	191	″ 54.48	114	s 37.248	168	″ 38.55	330	s 17.768	260	″ 23.93	86	s 28.621	182	″ 15.13	373
11.0	42.414	144	53.34	96	37.416	110	41.85	327	18.028	197	24.79	111	28.803	96	18.86	378
21.0	42.558	93	52.38	77	37.526	51	45.12	314	18.225	130	25.90	131	28.899	10	22.64	372
30.9	42.651	41	51.61	57	37.577	$\overline{7}$	48.26	294	18.355	62	27.21	145	28.909	$\overline{76}$	26.36	357
2 9.9	42.692	$\overline{8}$	51.04	38	37.570	62	51.20	266	18.417	$\overline{6}$	28.66	152	28.833	155	29.93	332
19.9	42.684	53	50.66	20	37.508	110	53.84	234	18.411	66	30.18	150	28.678	226	33.25	299
29.9	42.631	91	50.46	5	37.398	153	56.20	197	18.345	120	31.68	143	28.452	288	36.24	261
3 10.9	42.540	120	50.41	$\overline{7}$	37.245	185	58.17	157	18.225	162	33.11	128	28.164	336	38.85	218
20.9	42.420	140	50.48	19	37.060	208	59.74	114	18.063	192	34.39	109	27.828	371	41.03	171
30.8	42.280	150	50.67	27	36.852	220	60.88	71	17.871	209	35.48	83	27.457	394	42.74	121
4 9.8	42.130	151	50.94	34	36.632	233	61.59	27	17.662	213	36.31	57	27.063	404	43.95	68
19.8	41.979	143	51.28	39	36.409	218	61.86	$\overline{17}$	17.449	204	36.88	27	26.659	400	44.63	16
29.7	41.836	127	51.67	44	36.191	203	61.69	60	17.245	187	37.15	$\overline{2}$	26.259	387	44.79	$\overline{36}$
5 9.7	41.709	106	52.11	47	35.988	183	61.09	100	17.058	158	37.13	29	25.872	361	44.43	87
19.7	41.603	80	52.58	51	35.805	156	60.09	140	16.900	125	36.84	56	25.511	328	43.56	135
29.7	41.523	50	53.09	53	35.649	126	58.69	174	16.775	85	36.28	80	25.183	286	42.21	181
6 8.6	41.473	20	53.62	54	35.523	91	56.95	204	16.690	42	35.48	102	24.897	236	40.40	221
18.6	41.453	$\overline{13}$	54.16	54	35.432	55	54.91	230	16.648	$\overline{1}$	34.46	119	24.661	181	38.19	256
28.6	41.466	45	54.70	53	35.377	16	52.61	248	16.649	47	33.27	134	24.480	122	35.63	282
7 8.6	41.511	77	55.23	50	35.361	$\overline{23}$	50.13	260	16.696	91	31.93	147	24.358	57	32.81	302
18.5	41.588	106	55.73	43	35.384	62	47.53	264	16.787	133	30.46	155	24.301	$\overline{8}$	29.79	313
28.5	41.694	136	56.16	36	35.446	102	44.89	258	16.920	174	28.91	162	24.309	76	26.66	313
8 7.5	41.830	164	56.52	23	35.548	141	42.31	246	17.094	213	27.29	166	24.385	143	23.53	303
17.4	41.994	191	56.75	$\overline{10}$	35.689	179	39.85	222	17.307	250	25.63	168	24.528	210	20.50	282
*27.4	42.185	215	56.85	7	35.868	215	37.63	192	17.557	284	23.95	167	24.738	274	17.68	253
9 6.4	42.400	240	56.78	26	36.083	249	35.71	152	17.841	317	22.28	165	25.012	333	15.15	211
16.4	42.640	262	56.52	47	36.332	280	34.19	105	18.158	346	20.63	158	25.345	386	13.04	163
26.3	42.902	283	56.05	68	36.612	308	33.14	54	18.504	373	19.05	150	25.731	431	11.41	105
10 6.3	43.185	300	55.37	90	36.920	329	32.60	$\overline{3}$	18.877	396	17.55	139	26.162	464	10.36	44
16.3	43.485	314	54.47	109	37.249	345	32.63	59	19.273	414	16.16	123	26.626	487	9.92	$\overline{22}$
26.3	43.799	323	53.38	126	37.594	353	33.22	117	19.687	427	14.93	104	27.113	495	10.14	88
11 5.2	44.122	326	52.12	140	37.947	352	34.39	171	20.114	430	13.89	82	27.608	488	11.02	152
15.2	44.448	322	50.72	147	38.299	341	36.10	219	20.544	426	13.07	56	28.096	465	12.54	211
25.2	44.770	310	49.25	150	38.640	321	38.29	260	20.970	410	12.51	26	28.561	428	14.65	266
12 5.1	45.080	288	47.75	147	38.961	291	40.89	294	21.380	384	12.25	$\overline{3}$	28.989	376	17.31	309
15.1	45.368	259	46.28	139	39.252	250	43.83	317	21.764	345	12.28	36	29.365	311	20.40	343
25.1	45.627	220	44.89	126	39.502	202	47.00	330	22.109	297	12.64	65	29.676	234	23.83	367
35.1	45.847		43.63		39.704		50.30		22.406		13.29		29.910		27.50	
平位	s 41.765		″ 49.96		s 36.440		″ 49.92		s 16.940		″ 23.80		s 26.895		″ 29.59	
Sec δ Tan δ	+1.013		+0.165		+1.244		-0.740		+1.375		+0.944		+1.961		-1.687	
2回正中	1月25日				1月25日				1月26日				1月27日			
a b	+0.1625		-0.0061		+0.1125		+0.0277		+0.2050		-0.0359		+0.0616		+0.0651	
a′ b′	-0.5508		-0.8346		-0.5614		-0.8276		-0.5710		-0.8209		-0.5787		-0.8155	
FK3番号	312				313				314				315			

本初子午線正中時

星名	ϑ Cham		Br 1197 Hyda		β Volr		o U Maj	
等級 / スペクトル型	4.26	KO	3.95	AO	3.65	KO	3.47	GO
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	8h 22m	−77° 18′	8h 23m	−3° 43′	8h 25m	−65° 57′	8h 25m	+60° 53′
1 1.1	19s.55 25	46″.70 368	4s.163 188	61″.39 191	13s.01 20	31″.44 375	59s.22 36	36″.95 173
11.1	19.80 5	50.38 379	4.351 142	63.30 177	13.21 10	35.19 384	59.58 28	38.68 202
21.0	19.85 13	54.17 377	4.493 91	65.07 158	13.31 1	39.03 379	59.86 17	40.70 222
30.9	19.72 32	57.94 367	4.584 42	66.65 138	13.30 12	42.82 367	60.03 8	42.92 235
2 9.9	19.40 48	61.61 346	4.626 8	68.03 114	13.18 21	46.49 344	60.11 3	45.25 233
19.9	18.92 64	65.07 317	4.618 51	69.17 90	12.97 30	49.93 313	60.08 11	47.58 224
29.9	18.28 77	68.24 283	4.567 89	70.07 67	12.67 37	53.06 277	59.97 19	49.82 206
3 10.9	17.51 88	71.07 241	4.478 118	70.74 44	12.30 43	55.83 233	59.78 26	51.88 179
20.9	16.63 96	73.48 197	4.360 138	71.18 23	11.87 48	58.16 189	59.52 30	53.67 146
30.8	15.67 101	75.45 146	4.222 160	71.41 1	11.39 51	60.03 137	59.22 33	55.12 105
4 9.8	14.66 105	76.91 96	4.072 152	71.42 18	10.88 52	61.40 85	58.89 35	56.17 64
19.8	13.61 105	77.87 42	3.920 145	71.24 36	10.36 53	62.25 31	58.54 33	56.81 19
29.8	12.56 103	78.29 12	3.775 133	70.88 53	9.83 51	62.56 22	58.21 32	57.00 25
5 9.7	11.53 99	78.17 64	3.642 113	70.35 69	9.32 48	62.34 75	57.89 28	56.75 67
19.7	10.54 92	77.53 115	3.529 89	69.66 83	8.84 44	61.59 125	57.61 23	56.08 106
29.7	9.62 83	76.38 164	3.440 63	68.83 96	8.40 40	60.34 172	57.38 18	55.02 142
6 8.6	8.79 72	74.94 207	3.377 34	67.87 106	8.00 33	58.62 215	57.20 11	53.60 173
18.6	8.07 60	72.67 246	3.343 3	66.81 113	7.67 27	56.47 251	57.09 5	51.87 198
28.6	7.47 46	70.21 277	3.340 28	65.68 118	7.40 19	53.96 281	57.04 1	49.89 219
7 8.6	7.01 31	67.44 300	3.368 58	64.50 118	7.21 12	51.15 303	57.05 9	47.70 235
18.5	6.70 14	64.44 315	3.426 88	63.32 116	7.09 3	48.12 315	57.14 15	45.35 244
28.5	6.56 3	61.29 320	3.514 117	62.17 107	7.06 6	44.97 319	57.29 22	42.91 251
8 7.5	6.59 19	58.09 314	3.631 145	61.10 94	7.12 15	41.78 310	57.51 28	40.40 250
17.5	6.78 36	54.95 298	3.776 173	60.16 77	7.27 23	38.68 293	57.79 33	37.90 246
27.4	7.14 52	51.97 270	3.949 199	59.39 54	7.50 31	35.75 263	58.12 39	35.44 238
9 6.4	7.66 67	49.27 233	4.148 225	58.85 27	7.81 39	33.12 225	58.51 44	33.06 224
16.4	8.33 79	46.94 187	4.373 248	58.58 2	8.20 46	30.87 176	58.95 49	30.82 206
26.3	9.12 90	45.07 131	4.621 270	58.60 34	8.66 52	29.11 119	59.44 52	28.76 184
10 6.3	10.02 97	43.76 70	4.891 290	58.94 68	9.18 55	27.92 58	59.96 56	26.92 158
16.3	10.99 102	43.06 5	5.181 304	59.62 100	9.73 59	27.34 7	60.52 59	25.34 128
26.3	12.01 102	43.01 62	5.485 315	60.62 130	10.32 60	27.41 76	61.11 60	24.06 93
11 5.2	13.03 99	43.63 127	5.800 318	61.92 159	10.92 58	28.19 140	61.71 61	23.13 54
15.2	14.02 93	44.90 189	6.118 316	63.49 179	11.50 56	29.59 202	62.32 60	22.59 14
25.2	14.95 83	46.79 245	6.434 303	65.28 194	12.06 51	31.59 258	62.92 57	22.45 29
12 5.2	15.78 69	49.24 294	6.737 284	67.22 202	12.57 44	34.17 304	63.49 54	22.74 71
15.1	16.47 54	52.18 331	7.021 254	69.24 205	13.01 36	37.21 342	64.03 48	23.45 113
25.1	17.01 37	55.49 360	7.275 217	71.29 199	13.37 27	40.63 367	64.51 42	24.58 150
35.1	17.38	59.09	7.492	73.28	13.64	44.30	64.93	26.08
中位	14s.483	62″.66	3s.724	67″.93	10s.684	46″.80	57s.699	38″.60
Sec δ Tan δ	+4.555	−4.448	+4.002	−0.065	+2.455	−2.242	+2.056	+1.796
2回正中	1月 27日		1月 27日		1月 28日		1月 28日	
a b	−0.0877	+0.1723	+0.1498	+0.0025	+0.0329	+0.0885	+0.2496	−0.0712
a′ b′	−0.5816	−0.8135	−0.5845	−0.8114	−0.5919	−0.8060	−0.5947	−0.8040
FK3番号	318		316		319		317	

本初子午線正中時

星名	Grb 1450 Lync		η Cncr		Grb 1446 Caml		Grb 1460 Umaj	
等級 / スペクトル型	6.05	KO	5.52	KO	6.29	KO	6.03	KO
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	8h 29m	+38° 11′	8h 29m	+20° 36′	8h 33m	+73° 48′	8h 35m	+52° 53′
1 1.1	33s.185 256	46″.93 49	42s.688 221	71″.70 54	61s.73 58	47″.96 224	28s.179 320	42″.24 126
11.1	33.441 198	47.42 76	42.909 171	71.16 33	62.31 44	50.20 253	28.499 249	43.50 157
21.0	33.639 137	48.18 98	43.080 118	70.83 10	62.75 27	52.73 274	28.748 170	45.07 179
30.9	33.776 72	49.16 115	43.198 64	70.73 9	63.02 10	55.47 282	28.918 88	46.86 194
2 9.9	33.848 9	50.31 125	43.262 11	70.82 26	63.12 6	58.29 281	29.006 8	48.80 201
19.9	33.857 48	51.56 130	43.273 38	71.08 40	63.06 21	61.10 267	29.014 66	50.81 198
29.9	33.809 99	52.86 127	43.235 81	71.48 48	62.85 35	63.77 243	28.948 132	52.79 187
3 10.9	33.710 139	54.13 118	43.154 113	71.96 54	62.50 47	66.20 209	28.816 187	54.66 167
20.9	33.571 168	55.31 103	43.041 138	72.50 55	62.03 56	68.29 167	28.629 227	56.33 140
30.8	33.403 186	56.34 84	42.903 151	73.05 53	61.47 61	69.96 120	28.402 253	57.73 109
4 9.8	33.217 192	57.18 63	42.752 155	73.58 48	60.86 64	71.16 68	28.149 263	58.82 74
19.8	33.025 185	57.81 38	42.597 150	74.06 43	60.22 65	71.84 15	27.886 259	59.56 36
29.8	32.840 171	58.19 14	42.447 136	74.49 35	59.57 61	71.99 38	27.627 243	59.92 2
5 9.7	32.669 147	58.33 10	42.311 116	74.84 27	58.96 56	71.61 88	27.384 215	59.90 39
19.7	32.522 116	58.23 34	42.195 90	75.11 20	58.40 49	70.73 135	27.169 179	59.51 74
29.7	32.406 82	57.89 55	42.105 62	75.31 12	57.91 40	69.38 177	26.990 135	58.77 106
6 8.6	32.324 44	57.34 75	42.043 30	75.43 4	57.51 29	67.61 214	26.855 87	57.71 135
18.6	32.280 5	56.59 91	42.013 3	75.47 3	57.22 18	65.47 245	26.768 36	56.36 159
28.6	32.275 36	55.68 107	42.016 36	75.44 11	57.04 7	63.02 269	26.732 17	54.77 180
7 8.6	32.311 76	54.61 119	42.052 68	75.33 19	56.97 6	60.33 287	26.749 70	52.97 197
18.5	32.387 114	53.42 130	42.120 100	75.14 27	57.03 17	57.46 298	26.819 121	51.00 208
28.5	32.501 152	52.12 138	42.220 130	74.87 37	57.20 29	54.48 303	26.940 173	48.92 217
8 7.5	32.653 188	50.74 145	42.350 161	74.50 46	57.49 41	51.45 301	27.113 220	46.75 221
17.5	32.841 221	49.29 149	42.511 188	74.04 57	57.90 51	48.44 294	27.333 267	44.54 221
27.4	33.062 255	47.80 154	42.699 216	73.47 69	58.41 61	45.50 280	27.600 311	42.33 218
9 6.4	33.317 285	46.26 154	42.915 243	72.78 82	59.02 71	42.70 261	27.911 352	40.15 211
16.4	33.602 314	44.72 154	43.158 267	71.96 95	59.73 78	40.09 236	28.263 390	38.04 199
26.3	33.916 341	43.18 150	43.425 290	71.01 107	60.51 86	37.73 206	28.653 426	36.05 185
10 6.3	34.257 365	41.68 145	43.715 311	69.94 117	61.37 92	35.67 172	29.079 455	34.20 166
16.3	34.622 383	40.23 134	44.026 329	68.77 125	62.29 97	33.95 132	29.534 480	32.54 143
26.3	35.005 397	38.89 121	44.355 340	67.52 131	63.26 99	32.63 88	30.014 498	31.11 115
11 5.2	35.402 404	37.68 104	44.695 347	66.21 132	64.25 100	31.75 41	30.512 505	29.96 83
15.2	35.806 402	36.64 82	45.042 345	64.89 128	65.25 98	31.34 9	31.017 503	29.13 49
25.2	36.208 389	35.82 57	45.387 336	63.61 120	66.23 94	31.43 59	31.520 487	28.64 11
12 5.2	36.597 368	35.25 30	45.723 316	62.41 106	67.17 88	32.02 109	32.007 460	28.53 28
15.1	36.965 333	34.95 0	46.039 288	61.35 90	68.05 78	33.11 156	32.467 417	28.81 66
25.1	37.298 290	34.95 30	46.327 249	60.45 70	68.83 67	34.67 197	32.884 362	29.47 104
35.1	37.588	35.25	46.576	59.75	69.50	36.64	33.246	30.51
中位	32s.489	46″.72	42s.214	69″.10	58s.428	50″.73	27s.063	43″.89
Sec δ Tan δ	+1.272	+0.787	+1.068	+0.376	+3.587	+3.445	+1.658	+1.322
2回正中	1月29日		1月29日		1月30日		1月30日	
a b	+0.1950	−0.0319	+0.1733	−0.0152	+0.3331	−0.1430	+0.2220	−0.0553
a′ b′	−0.6072	−0.7946	−0.6077	−0.7941	−0.6224	−0.7827	−0.6275	−0.7787
FK3番号	320		321		322		323	

本初子午線正中時

星名	48 G. Velr		6 Hyda		α Pyxi		δ Cncr	
等級 / スペクトル型	4.13	A5	5.15	K2	3.70	B2	4.17	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 8 35	° ′ −42 48	h m 8 37	° ′ −12 17	h m 8 41	° ′ −32 59	h m 8 41	° ′ +18 20
	s	″	s	″	s	″	s	″
1 1.1	49.680 193	9.19 346	34.014 196	17.39 237	30.691 196	40.52 320	44.352 228	50.96 74
11.1	49.873 131	12.65 349	34.210 150	19.76 227	30.887 143	43.72 318	44.580 180	50.22 51
21.0	50.004 69	16.14 341	34.360 100	22.03 210	31.030 87	46.90 309	44.760 129	49.71 29
31.0	50.073 6	19.55 324	34.460 48	24.13 190	31.117 30	49.99 291	44.889 75	49.42 8
2 9.9	50.079 55	22.79 300	34.508 T	26.03 166	31.147 25	52.90 267	44.964 22	49.34 11
19.9	50.024 109	25.79 270	34.507 45	27.69 139	31.122 74	55.57 237	44.986 27	49.45 27
29.9	49.915 155	28.49 233	34.462 85	29.08 112	31.048 117	57.94 203	44.959 69	49.72 38
3 10.9	49.760 193	30.82 193	34.377 115	30.20 84	30.931 151	59.97 166	44.890 103	50.10 47
20.9	49.567 221	32.75 151	34.262 138	31.04 55	30.780 178	61.63 127	44.787 129	50.57 50
30.8	49.346 239	34.26 105	34.124 152	31.59 28	30.602 193	62.90 86	44.658 144	51.07 51
4 9.8	49.107 246	35.31 58	33.972 156	31.87 1	30.409 200	63.76 45	44.514 149	51.58 50
19.8	48.861 244	35.89 12	33.816 152	31.88 23	30.209 199	64.21 4	44.365 147	52.08 45
29.8	48.617 235	36.01 35	33.664 142	31.63 50	30.010 190	64.25 37	44.218 135	52.53 41
5 9.7	48.382 217	35.66 79	33.522 125	31.13 72	29.820 173	63.88 76	44.083 117	52.94 34
19.7	48.165 192	34.87 122	33.397 104	30.41 94	29.647 152	63.12 114	43.966 94	53.28 28
29.7	47.973 164	33.65 162	33.293 79	29.47 113	29.495 126	61.98 147	43.872 67	53.56 21
6 8.7	47.809 130	32.03 197	33.214 52	28.34 130	29.369 97	60.51 178	43.805 38	53.77 14
18.6	47.679 93	30.06 226	33.162 23	27.04 143	29.272 65	58.73 203	43.767 7	53.91 8
28.6	47.586 54	27.80 251	33.139 7	25.61 151	29.207 31	56.70 223	43.760 25	53.99 1
7 8.6	47.532 12	25.29 267	33.146 37	24.10 156	29.176 4	54.47 237	43.785 55	53.98 8
18.5	47.520 31	22.62 275	33.183 68	22.54 155	29.180 41	52.10 243	43.840 86	53.90 17
28.5	47.551 74	19.87 276	33.251 97	20.99 149	29.221 77	49.67 241	43.926 117	53.73 27
8 7.5	47.625 118	17.11 265	33.348 127	19.50 136	29.298 115	47.26 231	44.043 146	53.46 38
17.5	47.743 162	14.46 246	33.475 156	18.14 118	29.413 151	44.95 212	44.189 174	53.08 50
27.4	47.905 205	12.00 218	33.631 185	16.96 94	29.564 187	42.83 185	44.363 202	52.58 64
9 6.4	48.110 245	9.82 180	33.816 213	16.02 65	29.751 223	40.98 149	44.565 229	51.94 79
16.4	48.355 283	8.02 135	34.029 239	15.37 30	29.974 255	39.49 108	44.794 255	51.15 93
26.4	48.638 316	6.67 82	34.268 264	15.07 8	30.229 286	38.41 58	45.049 279	50.22 107
10 6.3	48.954 345	5.85 26	34.532 285	15.15 47	30.515 311	37.83 7	45.328 302	49.15 121
16.3	49.299 365	5.59 35	34.817 303	15.62 87	30.826 331	37.76 49	45.630 320	47.94 132
26.3	49.664 377	5.94 95	35.120 316	16.49 126	31.157 345	38.25 103	45.950 335	46.62 139
11 5.2	50.041 380	6.89 153	36.436 322	17.75 161	31.502 349	39.28 155	46.285 343	45.23 143
15.2	50.421 372	8.42 207	35.758 320	19.34 191	31.851 346	40.83 204	46.628 344	43.80 142
25.2	50.793 352	10.49 255	36.078 309	21.27 216	32.197 331	42.87 245	46.972 336	42.38 136
12 5.2	51.145 321	13.04 294	36.387 290	23.43 232	32.528 306	45.32 279	47.308 319	41.02 124
15.1	51.466 280	15.98 323	36.677 262	25.75 242	32.834 273	48.11 303	47.627 292	39.78 109
25.1	51.746 230	19.21 342	36.939 225	28.17 242	33.107 229	51.14 318	47.919 256	38.69 90
35.1	51.976	22.63	37.164	30.59	33.336	54.32	48.175	37.79
平均	s 48.820	″ 22.50	s 33.589	″ 25.61	s 30.071	″ 52.56	s 43.922	″ 48.27
Sec & Tang	+1.363	−0.926	+1.023	−0.218	+1.192	−0.649	+1.054	+0.332
2回正中	1月30日		1月31日		2月1日		2月1日	
a b	+0.1053	+0.0388	+0.1421	+0.0092	+0.1204	+0.0280	+0.1702	−0.0143
a′ b′	−0.6287	−0.7777	−0.6346	−0.7728	−0.6478	−0.7618	−0.6486	−0.7612
FK3番号	324		325		327		326	

本初子午線正中時

星名	η Cham		† δ Velr m		e Cncr		† εHyda m	
等級 / スペクトル型	5.62	B9	2.01	A0	4.20	G5	3.48	F8
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 8 42	° ′ −78 46	h m 8 43	° ′ −54 30	h m 8 43	° ′ +28 56	h m 8 44	° ′ +6 36
	s	″	s	″	s	″	s	″
1 1.1	74.01 37	13.89 362	17.295 215	46.31 366	33.778 248	66.48 13	17.73 216	43.89 141
11.1	74.38 16	17.51 378	17.510 140	49.97 373	34.026 197	66.35 14	19.89 170	42.18 124
21.0	74.54 5	21.29 381	17.650 63	53.70 371	34.223 141	66.49 37	21.59 120	40.94 102
31.0	74.49 26	25.10 377	17.713 13	57.41 359	34.364 84	66.86 58	22.79 69	39.92 81
2 9.9	74.23 45	28.87 361	17.700 86	61.00 337	34.448 26	67.44 75	23.48 19	39.11 59
19.9	73.78 63	32.48 338	17.614 152	64.37 308	34.474 27	68.19 85	23.67 27	38.52 39
29.9	73.15 78	35.86 306	17.462 210	67.45 273	34.447 73	69.04 91	23.40 67	38.13 20
3 10.9	72.37 92	38.92 270	17.252 257	70.18 233	34.374 112	69.95 90	22.73 100	37.93 4
20.9	71.45 102	41.62 227	16.995 293	72.51 187	34.262 139	70.85 86	21.73 123	37.89 11
30.8	70.43 110	43.89 180	16.702 318	74.38 140	34.123 159	71.71 76	20.50 138	38.00 22
4 9.8	69.33 115	45.69 129	16.384 331	75.78 91	33.966 164	72.47 65	19.12 144	38.22 32
19.8	68.18 117	46.98 77	16.053 332	76.69 39	33.802 161	73.12 49	17.68 140	38.54 40
29.8	67.01 117	47.75 24	15.721 325	77.08 12	33.641 150	73.61 34	16.28 130	38.94 46
5 9.7	65.84 113	47.99 29	15.396 307	76.96 62	33.491 130	73.95 17	14.98 114	39.40 52
19.7	64.71 108	47.70 83	15.089 281	76.34 110	33.361 106	74.12 1	13.84 93	39.92 57
29.7	63.63 99	46.87 133	14.808 249	75.24 156	33.255 77	74.13 15	12.91 67	40.49 59
6 8.7	62.64 88	45.54 179	14.559 210	73.68 196	33.178 44	73.98 30	12.24 41	41.08 62
18.6	61.76 76	43.75 222	14.349 166	71.72 233	33.134 11	73.68 43	11.83 12	41.70 62
28.6	61.00 61	41.53 257	14.183 116	69.39 262	33.123 23	73.25 56	11.71 18	42.32 61
7 8.6	60.39 44	38.96 285	14.067 65	66.77 283	33.146 58	72.69 69	11.89 46	42.93 57
18.5	59.95 27	36.11 305	14.002 9	63.94 297	33.204 91	72.00 79	12.35 76	43.50 51
28.5	59.68 8	33.06 316	13.993 49	60.97 302	33.295 124	71.21 89	13.11 105	44.01 43
8 7.5	59.60 12	29.90 315	14.042 106	57.95 295	33.419 156	70.32 99	14.16 133	44.44 30
17.5	59.72 30	26.75 305	14.148 165	55.00 278	33.575 187	69.33 110	15.49 160	44.74 15
27.4	60.02 50	23.70 282	14.313 222	52.22 253	33.762 219	68.23 118	17.09 188	44.89 3
9 6.4	60.52 66	20.88 250	14.535 276	49.69 215	33.979 247	67.05 126	18.97 214	44.86 24
16.4	61.18 83	18.38 208	14.811 327	47.54 170	34.226 274	65.79 134	21.11 240	44.62 46
26.4	62.01 95	16.30 156	15.138 371	45.84 117	34.500 301	64.45 139	23.51 264	44.16 71
10 6.3	62.96 106	14.74 98	15.509 408	44.67 57	34.801 324	63.06 143	26.15 286	43.45 94
16.3	64.02 113	13.76 34	15.917 434	44.10 6	35.125 344	61.63 142	29.01 304	42.51 118
26.3	65.15 115	13.42 32	16.351 450	44.16 71	35.469 360	60.21 139	32.05 319	41.33 137
11 5.2	66.30 113	13.74 98	16.801 451	44.87 135	35.829 369	58.82 132	35.24 327	39.96 154
15.2	67.43 108	14.72 162	17.252 440	46.22 195	36.198 370	57.50 119	38.51 327	38.42 165
25.2	68.51 99	16.34 221	17.692 415	48.17 248	36.568 362	56.31 102	41.78 320	36.77 171
12 5.2	69.50 85	18.55 274	18.107 375	50.65 295	36.930 345	55.29 81	44.98 304	35.06 170
15.1	70.35 68	21.29 316	18.482 323	53.60 332	37.275 316	54.48 58	48.02 277	33.36 165
25.1	71.03 50	24.45 349	18.805 260	56.92 357	37.591 278	53.90 31	50.79 243	31.71 153
35.1	71.53	27.94	19.065	60.49	37.869	53.59	53.22	30.18
平均	s 68.729	″ 31.59	s 16.053	″ 61.69	s 33.255	″ 65.57	s 1.398	″ 38.84
Sec & Tang	+5.137	−5.039	+1.723	−1.403	+1.143	+0.553	+1.007	+0.116
2回正中	2月1日		2月1日		2月1日		2月1日	
a b	−0.1010	+0.2195	+0.0826	+0.0611	+0.1812	−0.0241	+0.1592	−0.0051
a′ b′	−0.6532	−0.7572	−0.6537	−0.7568	−0.6546	−0.7560	−0.6561	−0.7546
FK3番号	331		330		328		329	

本初子午線正中時

星名	γ Pyxi				† σ² Cncr m				ζ Hyda				108 G. Cari			
等級 スペクトル型	4.19		K2		5.60		K0		3.30		K0		3.98		B8	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 8 48		° ′ −27 30		h m 8 51		° ′ +30 46		h m 8 52		° ′ +6 8		h m 8 53		° ′ −60 26	
	s		″		s		″		s		″		s		″	
1 1.1	19.925	203	46.57	301	5.096	259	39.96	7/21	39.094	223	45.39	146	53.92	25	26.47	367
11.1	20.128	153	49.38	299	5.355	209	39.89		39.317	177	43.93	129	53.97	16	30.14	380
21.0	20.281	99	52.57	287	5.564	152	40.10	47	39.494	129	42.64	108	54.13	8/1	33.94	381
31.0	20.380	45	55.44	270	5.716	93	40.57	67	39.623	78	41.56	85	54.21		37.75	372
2 9.9	20.425	−8	58.14	246	5.809	35	41.24	85	39.701	27	40.71	64	54.20	10	41.47	355
19.9	20.417	56	60.60	217	5.844	20	42.09	96	39.728	19	40.07	43	54.10	18	45.02	329
29.9	20.361	98	62.77	185	5.824	67	43.05	101	39.709	60	39.64	23	53.92	24	48.31	295
3 10.9	20.263	132	64.62	150	5.757	108	44.06	101	39.649	93	39.41	−6/9	53.68	30	51.26	257
20.9	20.131	157	66.12	114	5.649	137	45.07	95	39.556	118	39.35		53.38	35	53.83	213
30.9	19.974	174	67.26	77	5.512	157	46.02	85	39.438	134	39.44	21	53.03	37	55.96	165
4 9.8	19.800	181	68.03	39	5.355	165	46.87	70	39.304	140	39.65	32	52.66	40	57.61	115
19.8	19.619	180	68.42	2/33	5.190	164	47.57	54	39.164	139	39.97	40	52.26	40	58.76	63
29.8	19.439	171	68.44		5.026	154	48.11	37	39.025	130	40.37	47	51.86	40	59.39	11
5 9.7	19.268	158	68.11	75	4.872	135	48.48	18/1	38.895	115	40.84	52	51.46	38	59.50	÷/41
19.7	19.110	137	67.36	104	4.737	112	48.66		38.780	96	41.36	57	51.08	36	59.09	92
29.7	18.973	113	66.32	135	4.625	84	48.65	18	38.684	71	41.93	61	50.72	32	58.17	140
6 8.7	18.860	87	64.97	163	4.541	52	48.47	36	38.613	46	42.54	62	50.40	28	56.77	185
18.6	18.773	56	63.34	185	4.489	18/15	48.11	50	38.567	18/10	43.16	63	50.12	23	54.92	224
28.6	18.717	25	61.49	203	4.471		47.61	66	38.549		43.79	62	49.89	18	52.68	256
7 8.6	18.692	−8	59.46	215	4.486	51	46.95	78	38.559	39	44.41	58	49.71	12	50.12	283
18.6	18.700	40	57.31	220	4.537	84	46.17	91	38.598	68	44.99	51	49.59	−5/2	47.29	300
28.5	18.740	75	55.11	218	4.621	117	45.26	102	38.666	96	45.50	43	49.54		44.29	308
8 7.5	18.815	110	52.93	207	4.738	151	44.24	113	38.762	125	45.93	31	49.56	8	41.21	305
17.5	18.925	163	50.86	190	4.889	182	43.11	122	38.887	152	46.24	−16/3	49.64	16	38.16	292
27.4	19.068	177	48.96	164	5.071	213	41.89	132	39.039	180	46.40		49.80	23	35.24	269
9 6.4	19.245	211	47.32	131	5.284	243	40.57	139	39.219	207	46.37	24	50.03	29	32.55	235
16.4	19.456	241	46.01	91	5.527	273	39.18	145	39.426	233	46.13	47	50.32	36	30.20	192
26.4	19.697	272	45.10	45	5.800	300	37.73	151	39.659	259	45.66	71	50.68	41	28.28	139
10 6.3	19.969	297	44.65	−4	6.100	325	36.22	151	39.918	282	44.95	96	51.09	46	26.89	81
16.3	20.266	317	44.69	55	6.425	348	34.71	151	40.200	302	43.99	119	51.55	49	26.08	16/49
26.3	20.583	332	45.24	106	6.773	364	33.20	146	40.502	317	42.80	139	52.04	51	25.92	
11 5.3	20.915	339	46.30	154	7.137	374	31.74	136	40.819	327	41.41	157	52.55	52	26.41	114
15.2	21.254	339	47.84	199	7.511	378	30.38	121	41.146	329	39.84	168	53.07	50	27.55	178
25.2	21.591	326	49.83	237	7.889	371	29.17	103	41.475	323	38.16	175	53.57	48	29.33	235
12 5.2	21.917	305	52.20	267	8.260	353	28.14	80	41.798	308	36.41	176	54.05	43	31.68	284
15.1	22.222	273	54.87	288	8.613	327	27.34	54	42.106	283	34.65	169	54.48	37	34.52	326
25.1	22.495	234	57.75	300	8.940	289	26.80	27	42.389	250	32.96	159	54.85	30	37.98	356
35.1	22.729		60.75		9.229		26.53		42.639		31.37		55.15		41.34	
年位	s 19.416		″ 57.90		s 4.569		″ 39.61		s 38.746		″ 40.62		s 52.232		″ 43.26	
Sec&Tan δ	+1.128		−0.521		+1.164		+0.596		+1.006		+0.108		+2.027		−1.764	
2回正中	2月 3日				2月 3日				2月 4日				2月 4日			
a b	+0.1276		+0.0233		+0.1825		−0.0270		+0.1586		−0.0049		+0.0680		+0.0809	
a′ b′	−0.6702		−0.7422		−0.6791		−0.7341		−0.6841		−0.7294		−0.6880		−0.7258	
FK3番号	332				333				334				336			

本初子午線正中時

星名	α Cncr				ι UMaj				Br 1268 Lync				ρ UMaj			
等級 スペクトル型	4.27		A3		3.12		A5		4.09		F5		4.99		M0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m 8 55		° ′ +12 3		h m 8 55		° ′ +48 14		h m 8 57		° ′ +41 59		h m 8 57		° ′ +67 49	
	s		″		s		″		s		″		s		″	
1 1.1	39.040	232	40.48	115	40.299	321	47.78	87	16.996	296	22.50	51	55.27	50	59.05	178
11.1	39.272	187	39.33	95	40.620	258	48.65	119	17.292	239	23.01	84	55.77	40	60.83	214
21.0	39.459	137	38.38	72	40.878	187	49.84	146	17.531	176	23.85	110	56.17	28	62.97	242
31.0	39.596	85	37.66	50	41.065	113	51.30	167	17.707	109	24.95	132	56.45	16	65.39	258
2 9.9	39.681	34	37.16	28	41.178	40	52.97	179	17.816	42	26.27	147	56.61	3/8	67.97	265
19.9	39.715	74	36.88	9/7	41.218	30	54.76	184	17.858	20	27.74	154	56.64		70.62	261
29.9	39.701	57	36.79		41.188	93	56.60	178	17.838	78	29.28	153	56.56	20	73.23	245
3 10.9	39.644	90	36.86	21	41.095	145	58.38	166	17.760	124	30.81	146	56.36	29	75.68	220
20.9	39.554	117	37.07	31	40.950	186	60.04	147	17.636	160	32.27	131	56.07	36	77.88	185
30.9	39.437	133	37.38	39	40.764	213	61.51	120	17.476	185	33.58	111	55.71	41	79.73	145
4 9.8	39.304	141	37.77	43	40.551	227	62.71	91	17.291	197	34.69	87	55.30	45	81.18	99
19.8	39.163	140	38.20	45	40.324	228	63.62	57	17.094	198	35.56	59	54.85	45	82.17	51
29.8	39.023	131	38.65	47	40.096	218	64.19	23	16.896	189	36.15	31	54.40	44	82.68	1
5 9.7	38.892	116	39.12	46	39.878	198	64.42	−11	16.707	170	36.46	2/28	53.96	41	82.69	−48
19.7	38.776	96	39.58	45	39.680	168	64.31	45	16.537	143	36.48		53.55	37	82.21	94
29.7	38.680	73	40.03	43	39.512	134	63.86	77	16.394	113	36.20	54	53.18	30	81.27	138
6 8.7	38.607	46	40.46	40	39.378	93	63.09	105	16.281	76	35.66	79	52.88	24	79.89	176
18.6	38.561	18/11	40.86	37	39.285	50	62.04	131	16.205	39/7	34.87	102	52.64	16	78.13	210
28.6	38.543		41.23	31	39.235	5	60.73	154	16.166		33.85	123	52.48	8	76.03	238
7 8.6	38.554	40	41.54	25	39.230	−41	59.19	173	16.167	41	32.62	140	52.40	−7	73.65	261
18.6	38.594	69	41.79	17	39.271	85	57.46	187	16.208	81	31.22	155	52.41	9	71.04	277
28.5	38.663	98	41.96	8	39.356	131	55.59	200	16.289	121	29.67	168	52.50	17	68.27	288
8 7.5	38.761	126	42.04	−5	39.487	173	53.59	209	16.410	158	27.99	177	52.67	26	65.39	293
17.5	38.887	154	41.99	19	39.660	217	51.50	213	16.568	197	26.22	184	52.93	33	62.46	292
27.4	39.041	183	41.80	36	39.877	257	49.37	216	16.765	232	24.38	189	53.26	41	59.54	286
9 6.4	39.224	209	41.44	54	40.134	297	47.21	214	16.997	269	22.49	192	53.67	48	56.88	274
16.4	39.433	237	40.90	73	40.431	334	45.07	208	17.266	302	20.57	190	54.15	55	53.94	256
26.4	39.670	263	40.17	93	40.765	370	42.99	199	17.568	335	18.67	186	54.70	61	51.38	233
10 6.3	39.933	286	39.24	112	41.135	401	41.00	186	17.903	363	16.81	179	55.31	66	49.05	204
16.3	40.219	306	38.12	130	41.536	429	39.14	168	18.266	389	15.02	166	55.97	71	47.01	171
26.3	40.525	324	36.82	144	41.965	449	37.46	145	18.655	409	13.36	150	56.68	74	45.30	133
11 5.3	40.849	333	35.38	155	42.414	462	36.01	118	19.064	422	11.86	129	57.42	75	43.97	89
15.2	41.182	336	33.83	161	42.876	466	34.83	87	19.486	425	10.57	103	58.17	76	43.08	42/6
25.2	41.518	332	32.22	161	43.342	457	33.96	52	19.911	419	9.54	74	58.93	74	42.66	
12 5.2	41.850	316	30.61	156	43.799	437	33.44	15/23	20.330	401	8.80	42/7	59.67	70	42.72	56
15.1	42.166	292	29.05	145	44.236	403	33.29		20.731	370	8.38		60.37	64	43.28	105
25.1	42.458	259	27.60	130	44.639	356	33.52	62	21.101	329	8.31	28	61.01	56	44.33	150
35.1	42.717		26.30		44.995		34.14		21.430		8.59		61.57		45.83	
年位	s 38.683		″ 36.91		s 39.407		″ 50.09		s 16.282		″ 24.09		s 53.104		″ 63.23	
Sec&Tan δ	+1.023		+0.214		+1.502		+1.120		+1.345		+0.900		+2.650		+2.455	
2回正中	2月 4日				2月 4日				2月 5日				2月 5日			
a b	+0.1636		−0.0099		+0.2071		−0.0518		+0.1963		−0.0419		+0.2701		−0.1146	
a′ b′	−0.6936		−0.7204		−0.6936		−0.7204		−0.6986		−0.7165		−0.7006		−0.7136	
FK3番号	337				335				339				338			

本初子午線正中時

星名	κ UMaj				Grb 1501 UMaj				α Voln				97 G.Velr			
等級 スペクトル型	3.68		A0		5.68		A2		4.18		A5		3.69		K0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	9h 0m		+47° 21′		9h 0m		+54° 29′		9h 1m		−66° 10′		9h 2m		−46° 53′	
1 1.1	5.911 s	323	46.82″	79	13.650 s	363	22.13″	115	39.80 s	29	59.37″	366	22.319 s	231	8.37″	350
11.1	6.234	261	47.61	111	14.013	292	23.28	150	40.09	19	63.03	382	22.550	169	11.87	359
21.0	6.495	192	48.72	141	14.305	213	24.78	178	40.28	9	66.85	387	22.719	103	15.46	357
31.0	6.687	120	50.13	161	14.518	130	26.56	199	40.37	3	70.72	382	22.822	37	19.03	347
2 9.9	6.807	46	51.74	176	14.648	47	28.55	210	40.34	12	74.54	367	22.859	27	22.50	327
19.9	6.853	21	53.50	181	14.695	33	30.65	212	40.22	21	78.21	344	22.832	88	25.77	300
29.9	6.832	84	55.31	177	14.662	105	32.77	205	40.01	30	81.65	314	22.744	139	28.77	268
3 10.9	6.748	136	57.08	167	14.557	166	34.82	189	39.71	37	84.79	276	22.605	184	31.45	230
20.9	6.612	177	58.75	147	14.391	214	36.71	165	39.34	42	87.55	233	22.421	217	33.75	188
30.9	6.435	205	60.22	124	14.177	247	38.36	134	38.92	47	89.88	187	22.204	241	35.63	143
4 9.8	6.230	219	61.46	94	13.930	266	39.70	99	38.45	49	91.75	138	21.963	256	37.06	98
19.8	6.011	222	62.40	62	13.664	269	40.69	61	37.96	50	93.13	84	21.707	260	38.04	49
29.8	5.789	212	63.02	29	13.395	259	41.30	21	37.46	51	93.97	32	21.447	255	38.53	2
5 9.7	5.577	193	63.31	6	13.136	239	41.51	18	36.95	49	94.29	22	21.192	244	38.55	46
19.7	5.384	166	63.25	38	12.897	207	41.33	57	36.46	46	94.07	74	20.948	225	38.09	92
29.7	5.218	132	62.87	70	12.690	168	40.76	94	36.00	43	93.33	125	20.723	199	37.17	134
6 8.7	5.086	93	62.17	99	12.522	123	39.82	126	35.57	38	92.08	171	20.524	170	35.83	174
18.6	4.993	52	61.18	125	12.399	74	38.56	155	35.19	33	90.37	214	20.354	135	34.09	209
28.6	4.941	9	59.93	147	12.325	23	37.01	181	34.86	26	88.23	249	20.219	96	32.00	238
7 8.6	4.932	36	58.46	168	12.302	29	35.20	202	34.60	18	85.74	279	20.123	55	29.62	260
18.6	4.968	81	56.78	183	12.331	82	33.18	219	34.42	11	82.95	298	20.068	11	27.02	273
28.5	5.049	123	54.95	195	12.413	134	30.99	231	34.31	2	79.97	311	20.057	35	24.29	280
8 7.5	5.172	167	53.00	206	12.547	184	28.68	239	34.29	7	76.86	311	20.092	83	21.49	275
17.5	5.339	208	50.94	211	12.731	234	26.29	244	34.36	15	73.75	302	20.175	131	18.74	262
27.4	5.547	249	48.83	214	12.965	283	23.85	243	34.51	24	70.73	280	20.306	180	16.12	238
9 6.4	5.796	288	46.69	214	13.248	328	21.42	238	34.75	33	67.93	250	20.486	227	13.74	204
16.4	6.084	325	44.55	209	13.576	371	19.04	230	35.08	41	65.43	208	20.713	272	11.70	164
26.4	6.409	361	42.46	202	13.947	413	16.74	216	35.49	47	63.35	157	20.985	313	10.06	112
10 6.3	6.770	393	40.44	189	14.360	449	14.58	198	35.96	53	61.78	100	21.298	348	8.94	58
16.3	7.163	420	38.55	172	14.809	480	12.60	174	36.49	58	60.78	37	21.646	377	8.36	3
26.3	7.583	443	36.83	151	15.289	504	10.86	147	37.07	60	60.41	31	22.023	396	8.39	65
11 5.3	8.026	456	35.32	124	15.793	520	9.39	115	37.67	61	60.72	96	22.419	406	9.04	125
15.2	8.482	461	34.08	94	16.313	523	8.24	77	38.28	60	61.68	161	22.825	402	10.29	183
25.2	8.943	453	33.14	60	16.836	514	7.47	38	38.88	56	63.29	221	23.227	387	12.12	236
12 5.2	9.396	435	32.54	23	17.350	492	7.09	5	39.44	51	65.50	274	23.614	359	14.48	280
15.1	9.831	402	32.31	16	17.842	454	7.14	47	39.95	44	68.24	319	23.973	319	17.28	316
25.1	10.233	357	32.47	53	18.296	403	7.61	88	40.39	35	71.43	352	24.292	269	20.44	342
35.1	10.590		33.00		18.699		8.49		40.74		74.95		24.561		23.86	
平位	5.060 s		49.26″		12.526 s		25.39″		37.908 s		77.32″		21.522 s		23.72″	
Sec δ Tan δ	+1.476		+1.086		+1.722		+1.402		+2.477		−2.266		+1.463		−1.068	
2回正中	2月 5日				2月 5日				2月 6日				2月 6日			
a b	+0.2045		−0.0512		+0.2193		−0.0661		+0.0473		+0.1076		+0.1035		+0.0509	
a′ b′	−0.7074		−0.7069		−0.7078		−0.7065		−0.7121		−0.7021		−0.7144		−0.6998	
FK3番号	341				340				343				342			

本初子午線正中時

星名	+σ² UMaj				λ Velr				36 Lync				ϑ Hyda			
等級 スペクトル型	4.87		F8		2.22		K5		5.30		B8		3.84		A0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	9h 5m		+67° 20′		9h 6m		−43° 13′		9h 10m		+43° 25′		9h 11m		+2° 31′	
1 1.1	52.60 s	51	46.17″	168	5.541 s	232	3.38″	342	25.324 s	317	58.06″	50	39.855 s	236	70.34″	173
11.1	53.11	41	47.85	206	5.773	173	6.80	350	25.641	260	58.56	84	40.091	192	68.61	156
21.1	53.52	30	49.91	236	5.946	112	10.30	348	25.901	196	59.40	114	40.283	145	67.05	136
31.0	53.82	18	52.27	255	6.058	48	13.78	337	26.097	129	60.54	137	40.428	95	65.69	114
2 9.9	54.00	5	54.82	263	6.106	14	17.15	316	26.226	60	61.91	155	40.523	44	64.55	91
19.9	54.05	7	57.45	261	6.092	70	20.31	290	26.286	4	63.46	164	40.567	2	63.64	67
29.9	53.98	17	60.06	248	6.022	120	23.21	259	26.282	64	65.10	165	40.565	44	62.97	46
3 10.9	53.81	27	62.54	225	5.902	162	25.80	221	26.218	113	66.75	158	40.521	78	62.51	25
20.9	53.54	34	64.79	192	5.740	194	28.01	180	26.105	153	68.33	144	40.443	106	62.26	7
30.9	53.20	39	66.71	153	5.546	218	29.81	138	25.952	181	69.77	125	40.337	124	62.19	8
4 9.8	52.81	43	68.24	108	5.328	232	31.19	92	25.771	196	71.02	99	40.213	133	62.27	22
19.8	52.38	44	69.32	60	5.096	235	32.11	46	25.575	201	72.01	71	40.080	134	62.49	35
29.8	51.94	43	69.92	11	4.861	232	32.57	1	25.374	194	72.72	42	39.946	129	62.84	44
5 9.8	51.51	41	70.03	38	4.629	221	32.58	45	25.180	178	73.14	10	39.817	117	63.28	53
19.7	51.10	36	69.65	85	4.408	203	32.13	89	25.002	154	73.24	21	39.700	101	63.81	61
29.7	50.74	31	68.80	129	4.205	180	31.24	131	24.848	125	73.03	50	39.599	80	64.42	67
6 8.7	50.43	24	67.51	169	4.025	151	29.93	168	24.723	91	72.53	78	39.519	57	65.09	71
18.6	50.19	18	65.82	203	3.874	120	28.25	202	24.632	54	71.75	103	39.462	33	65.80	73
28.6	50.01	9	63.79	233	3.754	84	26.23	229	24.578	15	70.72	125	39.429	5	66.53	74
7 8.6	49.92	1	61.46	258	3.670	46	23.94	250	24.563	25	69.47	146	39.424	21	67.27	71
18.6	49.91	7	58.88	275	3.624	6	21.44	263	24.588	65	68.01	163	39.445	48	67.98	67
28.5	49.98	15	56.13	288	3.618	37	18.81	268	24.653	105	66.38	177	39.493	76	68.65	58
8 7.5	50.13	23	53.25	295	3.655	81	16.13	264	24.758	145	64.61	189	39.569	104	69.23	46
17.5	50.36	31	50.30	295	3.736	125	13.49	251	24.903	183	62.72	197	39.673	133	69.69	30
27.5	50.67	38	47.35	291	3.861	171	10.98	227	25.086	221	60.75	203	39.806	160	69.99	12
9 6.4	51.05	45	44.44	281	4.032	215	8.71	195	25.307	259	58.72	207	39.966	190	70.11	11
16.4	51.50	53	41.63	264	4.247	256	6.76	153	25.566	295	56.65	205	40.156	217	70.00	37
26.4	52.03	58	38.99	242	4.503	296	5.23	105	25.861	330	54.60	202	40.373	245	69.63	63
10 6.3	52.61	64	36.57	216	4.799	331	4.18	51	26.191	362	52.58	193	40.618	271	69.00	90
16.3	53.25	68	34.41	183	5.130	358	3.67	8	26.553	390	50.65	182	40.889	293	68.10	117
26.3	53.93	72	32.58	144	5.488	378	3.75	68	26.943	413	48.83	164	41.182	312	66.93	142
11 5.3	54.65	74	31.14	103	5.866	387	4.43	126	27.356	428	47.19	141	41.494	324	65.51	162
15.2	55.39	74	30.11	56	6.253	387	5.69	183	27.784	436	45.78	115	41.818	330	63.89	179
25.2	56.13	73	29.55	6	6.640	374	7.52	234	28.220	432	44.63	84	42.148	327	62.10	190
12 5.2	56.86	70	29.49	43	7.014	350	9.86	276	28.652	416	43.79	49	42.475	314	60.20	194
15.2	57.56	64	29.92	93	7.364	313	12.62	311	29.068	388	43.30	13	42.789	293	58.26	192
25.1	58.20	57	30.85	139	7.677	267	15.73	335	29.456	348	43.17	25	43.082	261	56.34	183
35.1	58.77		32.24		7.944		19.08		29.804		43.42		43.343		54.51	
平位	50.531 s		50.85″		4.868 s		18.29″		24.614 s		60.51″		39.577 s		64.92″	
Sec δ Tan δ	+2.596		+2.396		+1.372		−0.940		+1.377		+0.947		+1.001		+0.044	
2回正中	2月 7日				2月 7日				2月 8日				2月 8日			
a b	+0.2634		−0.1158		+0.1102		+0.0455		+0.1959		−0.0466		+0.1553		−0.0022	
a′ b′	−0.7249		−0.6889		−0.7256		−0.6881		−0.7385		−0.6743		−0.7422		−0.6702	
FK3番号	344				345				346				347			

本初子午線正中時

星名	β Cari		† 38 Lync		ι Cari		83 Cncr	
等級 スペクトル型	1.80	A0	3.82	A2	2.25	F0	6.60	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 9 12	° ′ −69 29	h m 9 15	° ′ +37 1	h m 9 15	° ′ −59 3	h m 9 16	° ′ +17 55
1 1.1	s 40.50	″ 50.89	s 37.426	″ 24.28	s 43.071	″ 5.50	s 5.184	″ 38.70
11.1	40.84 34	54.48 359	37.724 298	24.39 11	43.354 283	9.09 359	5.441 257	37.77 93
21.1	41.07 23	58.28 380	37.972 248	24.83 44	43.559 205	12.85 376	5.653 212	37.09 68
31.0	41.18 11	62.16 388	38.161 189	25.57 74	43.679 120	16.66 381	5.815 162	36.66 43
	1	387	127	99	37	377	110	18
2 9.9	41.17	66.03 375	38.288	26.56	43.716	20.43 363	5.925	36.48 4
19.9	41.05 12	69.78 355	38.353 65	27.75 119	43.671 45	24.06 341	5.982 57	36.52 24
29.9	40.82 23	73.33 327	38.358 5	29.06 131	43.549 122	27.47 311	5.989 7	36.76 38
	32		49	137	189		39	
3 10.9	40.50	76.60 293	38.309	30.43 136	43.360	30.58 276	5.950	37.14 51
20.9	40.09 41	79.53 252	38.214 95	31.79 127	43.111 249	33.34 234	5.874 76	37.65 56
30.9	39.61 48	82.05 207	38.083 131	33.06 113	42.816 295	35.68 189	5.769 105	38.21 61
	53		157		331		127	
4 9.8	39.08	84.12 158	37.926	34.19 95	42.485	37.57 141	5.642	38.82 59
19.8	38.52 56	85.70 106	37.754 172	35.14 73	42.130 355	38.98 90	5.505 137	39.41 57
29.8	37.93 59	86.76 53	37.579 175	35.87 49	41.763 367	39.88 39	5.365 140	39.98 51
	59		171		368		134	
5 9.8	37.34	87.29 1	37.408	36.36 23	41.395	40.27 13	5.231	40.49 44
19.7	36.76 58	87.28 55	37.252 156	36.59 2	41.034 361	40.14 64	5.108 123	40.93 37
29.7	36.20 56	86.73 106	37.116 136	36.57 27	40.692 342	39.50 114	5.003 105	41.30 29
	52		109		315		84	
6 8.7	35.68	85.67 155	37.007	36.30 51	40.377	38.36 159	4.919	41.59 20
18.6	35.21 47	84.12 199	36.927 80	35.79 73	40.095 282	36.77 201	4.860 59	41.79 10
28.6	34.80 41	82.13 238	36.880 47	35.06 93	39.856 239	34.76 236	4.827 33	41.89 1
	34		13		192		5	
7 8.6	34.46	79.75 270	36.867	34.13 113	39.664	32.40 266	4.822	41.90 10
18.6	34.21 25	77.05 294	36.889 22	33.00 128	39.526 138	29.74 286	4.845 23	41.80 20
28.5	34.04 17	74.11 308	36.947 58	31.72 143	39.447 79	26.88 299	4.897 52	41.60 33
	7		94		16		81	
8 7.5	33.97	71.03 313	37.041	30.29 156	39.431	23.89 300	4.978	41.27 45
17.5	34.00 3	67.90 307	37.170 129	28.73 147	39.480 49	20.89 292	5.088 110	40.82 60
27.5	34.14 14	64.83 289	37.333 163	27.06 176	39.597 117	17.97 274	5.227 139	40.22 75
	23		199		186		169	
9 6.4	34.37	61.94 262	37.532	25.30 183	39.783	15.23 244	5.396	39.47 92
16.4	34.72 35	59.32 222	37.765 233	23.47 187	40.036 253	12.79 204	5.594 198	38.55 107
26.4	35.15 43	57.10 175	38.031 266	21.60 188	40.352 316	10.75 156	5.820 226	37.48 124
	52		300		375		256	
10 6.3	35.67	55.35 118	38.331	19.72	40.727	9.19	6.076	36.24
16.3	36.26 59	54.17 57	38.660 329	17.86 186	41.151 424	8.20 99	6.358 282	34.86 138
26.3	36.90 64	53.60 10	39.017 357	16.06 180	41.616 465	7.82 38	6.665 307	33.36 150
	68		360		492		326	
11 5.3	37.58	53.70 77	39.397	14.36	42.108	8.09	6.991	31.77
15.2	38.27 69	54.47 142	39.792 395	12.82 154	42.612 504	9.00 91	7.332 341	30.13 164
25.2	38.95 68	55.89 204	40.195 403	11.49 133	43.113 501	10.56 156	7.679 347	28.49 164
	64		401	108	482	215	346	158
12 5.2	39.59	57.93 259	40.596	10.41 79	43.595	12.71 267	8.025	26.91 146
15.2	40.18 59	60.52 306	40.984 388	9.62 46	44.041 446	15.38 311	8.360 335	25.45 131
25.1	40.69 51	63.58 344	41.348 364	9.16 13	44.436 395	18.49 346	8.674 314	24.14 110
35.1	41.10 41	67.02	41.675 327	9.03	44.767 331	21.95	8.956 282	23.04
中位	s 38.373	″ 69.88	s 36.870	″ 25.96	s 41.901	″ 23.42	s 4.858	″ 36.73
Sec δ Tan δ	+2.856	−2.675	+1.253	+0.754	+1.945	−1.668	+1.051	+0.324
2回正中	2月 9日		2月 9日		2月 9日		2月 10日	
a b	+0.0344	+0.1329	+0.1864	−0.0379	+0.0803	+0.0838	+0.1675	−0.0163
a′ b′	−0.7450	−0.6671	−0.7536	−0.6573	−0.7538	−0.6571	−0.7549	−0.6558
FK3番号	348		349		351		350	

本初子午線正中時

星名	α Lync		κ Velr		α Hyda		ε Antl	
等級 スペクトル型	3.30	K5	2.63	B3	2.16	K2	4.64	K2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 9 17	° ′ +34 36	h m 9 20	° ′ −54 46	h m 9 25	° ′ −8 25	h m 9 27	° ′ −35 43
1 1.1	s 54.065	″ 47.69	s 31.032	″ 58.88	s 2.123	″ 48.35	s 6.193	″ 9.13
11.1	54.358 293	47.66 3	31.308 276	62.42 354	2.363 240	50.62 227	6.442 249	12.34 321
21.1	54.601 243	47.95 29	31.514 206	66.12 370	2.561 198	52.79 217	6.639 197	15.62 328
31.0	54.788 187	48.54 59	31.644 130	69.87 375	2.711 150	54.80 201	6.781 142	18.87 325
	127	85	55	370	101	181	84	315
2 10.0	54.915	49.39 105	31.699	73.57 357	2.812	56.61 158	6.865	22.02 297
19.9	54.981 66	50.44 119	31.678 21	77.14 333	2.862 50	58.19 133	6.893 28	24.99 272
29.9	54.989 8	51.63 127	31.589 89	80.47 304	2.866 4	59.52 107	6.868 25	27.71 242
	45		152		37		72	
3 10.9	54.944	52.90 126	31.437	83.51 269	2.829	60.59 82	6.796	30.13 209
20.9	54.855 89	54.16 121	31.231 206	86.20 229	2.755 74	61.41 57	6.682 114	32.22 172
30.9	54.730 125	55.37 109	30.983 248	88.49 184	2.654 101	61.98 32	6.536 146	33.94 133
	150		281		122		169	
4 9.8	54.580	56.46 93	30.702	90.33 137	2.532	62.30 9	6.367	35.27 92
19.8	54.416 164	57.39 74	30.400 302	91.70 87	2.400 132	62.39 13	6.182 185	36.19 51
29.8	54.247 169	58.13 51	30.086 314	92.57 38	2.264 136	62.26 33	5.991 191	36.70 10
	163		316		133		191	
5 9.8	54.084	58.64 29	29.770	92.95 14	2.131	61.93 52	5.800	36.80 31
19.7	53.933 151	58.93 5	29.462 308	92.81 63	2.006 125	61.41 70	5.616 184	36.49 70
29.7	53.802 131	58.98 18	29.170 292	92.18 110	1.896 110	60.71 86	5.446 170	35.79 109
	106		270		92		153	
6 8.7	53.696	58.80 41	28.900	91.08 155	1.804	59.85 98	5.293	34.70 142
18.7	53.619 77	58.39 61	28.662 238	89.53 196	1.732 72	58.87 110	5.163 130	33.28 173
28.6	53.573 46	57.78 81	28.459 203	87.57 230	1.683 49	57.77 117	5.058 105	31.55 199
	14		161		24		76	
7 8.6	53.559	56.97 99	28.298	85.27 258	1.659	56.60 121	4.982	29.56 218
18.6	53.580 21	55.98 115	28.184 114	82.69 278	1.660 1	55.39 121	4.938 44	27.38 231
28.5	53.634 54	54.83 129	28.120 64	79.91 291	1.688 28	54.18 116	4.927 11	25.07 237
	89		9		56		25	
8 7.5	53.723	53.54 143	28.111	77.00 291	1.744	53.02 105	4.952	22.70 234
17.5	53.846 123	52.11 155	28.160 49	74.09 284	1.828 84	51.97 91	5.014 62	20.36 223
27.5	54.002 156	50.56 164	28.268 108	71.25 264	1.942 114	51.06 70	5.115 101	18.13 203
	191		168		143		142	
9 6.4	54.193	48.92 173	28.436	68.61 236	2.085	50.36 45	5.257	16.10 173
16.4	54.417 224	47.19 179	28.684 228	66.25 197	2.259 174	49.91 16	5.438 181	14.37 137
26.4	54.674 257	45.40 182	28.948 264	64.28 148	2.462 203	49.75 18	5.659 221	13.00 92
	289		338		234		259	
10 6.4	54.963	43.58 183	29.286	62.80 94	2.696	49.93 53	5.918	12.08 42
16.3	55.282 319	41.75 179	29.670 384	61.86 34	2.958 262	50.46 90	6.212 294	11.66 10
26.3	55.628 346	39.96 170	30.091 421	61.52 31	3.245 287	51.36 124	6.535 323	11.76 67
	369		448		307		347	
11 5.3	55.997	38.26 158	30.539	61.83 94	3.552	52.60 157	6.882	12.43 121
15.2	56.381 384	36.68 139	31.001 462	62.77 157	3.874 322	54.17 184	7.243 361	13.64 173
25.2	56.774 393	35.29 117	31.463 462	64.34 214	4.203 329	56.01 207	7.609 366	15.37 219
	391		448		327		361	
12 5.2	57.165	34.12 89	31.911	66.48 265	4.530	58.08 223	7.970	17.56 260
15.2	57.544 379	33.23 59	32.328 417	69.13 309	4.846 316	60.31 231	8.315 345	20.16 292
25.1	57.900 356	32.64 26	32.703 375	72.22 341	5.142 296	62.62 232	8.631 316	23.08 314
35.1	58.221 321	32.38	33.021 318	75.63	5.407 265	64.94	8.910 279	26.22
中位	s 53.558	″ 49.05	s 30.118	″ 76.42	s 1.899	″ 56.32	s 5.797	″ 23.44
Sec δ Tan δ	+1.215	+0.690	+1.734	−1.417	+1.011	−0.148	+1.232	−0.719
2回正中	2月 10日		2月 11日		2月 12日		2月 12日	
a b	+0.1832	−0.0350	+0.0928	+0.0725	+0.1472	+0.0077	+0.1237	+0.0377
a′ b′	−0.7601	−0.6498	−0.7675	−0.6411	−0.7800	−0.6258	−0.7856	−0.6188
FK3番号	352		353		354		356	

本初子午線正中時

星名	23 UMaj		† ψ Velr m		ϑ UMaj		N. Velr	
等スペク級トル型	3.75	F0	3.64	F5	3.26	F8p	3.04	K5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m	° ′	h m	° ′	h m	° ′	h m	° ′
	9 27	+63 17	9 28	−40 14	9 29	+51 54	9 29	−56 47
	s	″	s	″	s	″	s	″
1 1.1	28.64 49	20.81 130	39.409 254	2.31 330	24.346 378	51.29 75	39.326 298	57.32 351
11.1	29.13 40	22.11 172	39.663 202	5.61 340	24.724 315	52.04 115	39.624 226	60.83 370
21.1	29.53 31	23.83 206	39.865 142	9.01 340	25.059 245	53.19 148	39.850 148	64.53 378
31.0	29.84 21	25.89 232	40.007 83	12.41 332	25.304 168	54.67 177	39.998 69	68.31 376
2 10.0	30.05 10	28.21 248	40.090 24	15.73 314	25.472 88	56.44 195	40.067 9	72.07 344
19.9	30.15 7	30.69 252	40.114 32	18.87 291	25.560 13	58.39 205	40.058 82	75.71 343
29.9	30.14 9	33.21 247	40.082 82	21.78 261	25.573 58	60.44 205	39.976 148	79.14 316
3 10.9	30.05 19	35.68 230	40.000 121	24.39 228	25.515 121	62.49 197	39.828 206	82.30 283
20.9	29.86 25	37.98 205	39.894 159	26.67 189	25.394 171	64.46 179	39.622 251	85.13 243
30.9	29.61 31	40.03 171	39.715 185	28.56 149	25.223 209	66.25 155	39.371 289	87.56 199
4 9.9	29.30 34	41.74 132	39.530 201	30.05 107	25.014 233	67.80 123	39.082 314	89.55 153
19.8	28.96 36	43.06 87	39.329 210	31.12 63	24.781 244	69.03 90	38.768 328	91.08 103
29.8	28.60 36	43.93 42	39.119 210	31.75 20	24.537 243	69.93 51	38.440 333	92.11 53
5 9.8	28.24 34	44.35 6	38.909 203	31.95 24	24.294 231	70.44 13	38.107 328	92.64 2
19.7	27.90 31	44.29 52	38.706 191	31.71 67	24.063 208	70.57 25	37.779 315	92.66 48
29.7	27.59 28	43.77 96	38.515 172	31.04 107	23.855 179	70.32 63	37.464 294	92.18 98
6 8.7	27.31 22	42.81 136	38.343 149	29.97 145	23.676 143	69.69 98	37.170 264	91.20 144
18.7	27.09 17	41.45 175	38.194 123	28.52 177	23.533 103	68.71 131	36.906 229	89.76 185
28.6	26.92 11	39.70 206	38.071 93	26.75 207	23.430 59	67.40 159	36.677 186	87.91 223
7 8.6	26.81 4	37.64 234	37.978 59	24.68 228	23.371 14	65.81 185	36.491 140	85.68 252
18.6	26.77 2	35.30 257	37.919 23	22.40 244	23.357 32	63.96 207	36.351 86	83.16 276
28.6	26.79 10	32.73 274	37.896 15	19.96 251	23.389 79	61.89 224	36.265 30	80.40 289
8 7.5	26.89 15	29.99 285	37.911 56	17.45 251	23.468 127	59.65 237	36.235 30	77.51 294
17.5	27.04 23	27.14 292	37.967 98	14.94 240	23.595 173	57.28 248	36.265 94	74.57 288
27.5	27.27 29	24.22 293	38.065 141	12.54 220	23.768 219	54.80 252	36.359 157	71.69 272
9 6.4	27.56 35	21.29 288	38.206 185	10.34 192	23.987 266	52.28 254	36.516 222	68.97 264
16.4	27.91 42	18.41 277	38.391 227	8.42 155	24.253 310	49.74 251	36.738 283	66.53 208
26.4	28.33 47	15.64 262	38.618 248	6.87 109	24.563 354	47.23 242	37.021 341	64.45 161
10 6.4	28.80 52	13.02 240	38.886 305	5.78 59	24.917 393	44.81 229	37.362 391	62.84 108
16.3	29.32 57	10.62 212	39.191 337	5.19 3	25.310 430	42.52 211	37.753 434	61.76 48
26.3	29.89 61	8.50 179	39.528 341	5.16 54	25.740 460	40.41 187	38.187 464	61.28 76
11 5.3	30.50 64	6.71 140	39.889 376	5.70 112	26.200 482	38.54 158	38.651 482	61.44 81
15.2	31.14 65	5.31 96	40.265 381	6.82 167	26.682 494	36.96 123	39.133 484	62.25 144
25.2	31.79 64	4.35 49	40.646 375	8.49 217	27.176 494	35.73 84	39.617 471	63.69 203
12 5.2	32.43 63	3.86 0	41.021 357	10.66 261	27.670 480	34.89 42	40.088 442	65.72 256
15.2	33.06 59	3.86 50	41.378 327	13.27 296	28.150 453	34.47 2	40.530 398	68.28 301
25.1	33.65 53	4.36 100	41.705 287	16.23 321	28.603 412	34.49 46	40.928 342	71.29 337
35.1	34.18	5.36	41.992	19.44	29.015	34.95	41.270	74.66
中位	s 27.075	″ 26.59	s 38.954	″ 17.60	s 23.454	″ 55.93	s 38.420	″ 75.63
Sec δ Tan δ	+2.225	+1.988	+1.310	−0.846	+1.621	+1.276	+1.826	−1.528
2回正中	2月12日		2月13日		2月13日		2月13日	
a b	+0.2352	−0.1002	+0.1187	+0.0446	+0.2053	−0.0674	+0.0912	+0.0807
a′ b′	−0.7845	−0.6176	−0.7893	−0.6134	−0.7917	−0.6109	−0.7924	−0.6100
FK3番号	355		359		358		361	

本初子午線正中時

星名	24 UMaj		10 LMin		H Cari		κ Hyda	
等スペク級トル型	4.57	G0	4.62	G5	5.52	K2	4.96	B3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m	° ′	h m	° ′	h m	° ′	h m	° ′
	9 29	+70 3	9 31	+36 37	9 31	−72 50	9 37	−14 5
	s	″	s	″	s	″	s	″
1 1.1	57.49 61	31.63 155	3.113 311	43.94 3	16.11 44	40.16 348	48.899 249	34.47 251
11.1	58.10 51	33.18 199	3.424 263	43.91 33	16.55 32	43.84 372	49.148 207	36.98 246
21.1	58.61 38	35.17 233	3.687 205	44.24 64	16.87 18	47.36 388	49.355 160	39.44 233
31.0	58.99 25	37.50 258	3.892 146	44.88 93	17.05 4	51.24 391	49.515 111	41.77 215
2 10.0	59.24 12	40.08 273	4.038 83	45.81 115	17.09 10	55.15 385	49.626 60	43.92 194
19.9	59.36 2	42.81 275	4.121 23	46.96 130	16.99 22	59.00 370	49.686 13	45.86 168
29.9	59.34 14	45.56 267	4.144 31	48.26 139	16.77 34	62.70 347	49.699 30	47.54 142
3 10.9	59.20 25	48.23 247	4.113 79	49.65 140	16.43 44	66.17 316	49.669 67	48.96 115
20.9	58.95 35	50.70 218	4.034 117	51.05 134	15.99 52	69.33 279	49.602 96	50.11 86
30.9	58.60 42	52.88 180	3.917 146	52.39 122	15.47 60	72.12 236	49.506 118	50.97 58
4 9.9	58.18 47	54.68 136	3.771 162	53.61 105	14.87 65	74.49 190	49.388 131	51.55 32
19.8	57.71 49	56.04 87	3.609 170	54.66 84	14.22 68	76.38 139	49.257 137	51.87 5
29.8	57.22 50	56.91 37	3.439 168	55.50 61	13.54 70	77.77 87	49.120 137	51.92 20
5 9.8	56.72 49	57.28 14	3.271 157	56.11 35	12.84 70	78.64 33	48.983 130	51.72 44
19.7	56.23 44	57.14 65	3.114 140	56.46 9	12.14 68	78.97 22	48.853 118	51.28 67
29.7	55.79 40	56.49 112	2.974 117	56.55 17	11.46 65	78.75 75	48.735 103	50.61 87
6 8.7	55.39 33	55.37 156	2.857 90	56.38 41	10.81 61	78.00 126	48.632 84	49.74 105
18.7	55.06 27	53.81 196	2.767 60	55.97 65	10.20 54	76.74 173	48.548 62	48.69 120
28.6	54.79 17	51.85 231	2.707 28	55.32 88	9.66 46	75.01 216	48.486 40	47.49 133
7 8.6	54.62 10	49.54 260	2.679 6	54.44 107	9.20 37	72.85 252	48.446 14	46.16 140
18.6	54.52 0	46.94 282	2.685 40	53.37 127	8.83 27	70.33 280	48.432 12	44.76 143
28.6	54.52 9	44.12 300	2.725 74	52.10 142	8.56 15	67.53 301	48.444 39	43.33 141
8 7.5	54.61 17	41.12 311	2.799 109	50.68 158	8.41 4	64.52 310	48.483 68	41.92 133
17.5	54.78 27	38.01 316	2.908 144	49.10 170	8.37 9	61.42 310	48.551 98	40.59 119
27.5	55.05 36	34.85 314	3.052 179	47.40 181	8.46 22	58.32 298	48.649 130	39.40 100
9 6.4	55.41 44	31.71 307	3.231 214	45.59 190	8.68 34	55.34 275	48.779 162	38.40 78
16.4	55.85 52	28.64 294	3.445 249	43.69 196	9.02 45	52.59 241	48.941 194	37.66 43
26.4	56.37 59	25.70 273	3.694 283	41.73 199	9.47 57	50.18 197	49.135 226	37.23 7
10 6.4	56.96 67	22.97 248	3.977 316	39.74 198	10.04 66	48.21 144	49.361 256	37.16 30
16.3	57.63 72	20.49 216	4.293 346	37.76 194	10.70 73	46.77 85	49.617 284	37.46 71
26.3	58.35 78	18.33 177	4.639 371	35.82 184	11.43 78	45.92 20	49.901 307	38.17 111
11 5.3	59.13 80	16.56 134	5.010 390	33.98 169	12.21 81	45.72 47	50.208 323	39.28 148
15.3	59.93 83	15.22 86	5.400 401	32.29 150	13.02 80	46.19 113	50.531 332	40.76 182
25.2	60.76 82	14.36 35	5.801 402	30.79 124	13.82 77	47.32 177	50.863 333	42.58 211
12 5.2	61.58 79	14.01 19	6.203 393	29.55 95	14.59 71	49.09 236	51.196 323	44.69 232
15.2	62.37 74	14.20 72	6.596 371	28.60 62	15.30 62	51.45 286	51.519 303	47.01 247
25.1	63.11 67	14.92 124	6.967 339	27.98 27	15.92 53	54.31 329	51.822 274	49.48 253
35.1	63.78	16.16	7.306	27.71	16.45	57.60	52.096	52.01
中位	s 55.176	″ 38.07	s 2.616	″ 46.22	s 13.820	″ 60.58	s 48.722	″ 43.93
Sec δ Tan δ	+2.932	+2.757	+1.246	+0.743	+3.391	−3.240	+1.031	−0.251
2回正中	2月13日		2月13日		2月13日		2月15日	
a b	+0.2653	−0.1458	+0.1833	−0.0395	+0.0227	+0.1721	+0.1436	+0.0136
a′ b′	−0.7931	−0.6090	−0.7961	−0.6051	−0.7966	−0.6045	−0.8136	−0.5814
FK3番号	357		360		362		364	

本初子午線正中時

星名	Grb 1564 UMaj		o Leon		ϑ Antl		ε Leon	
等級 スペクトル型	5.74	K0	3.76	F5.A3	4.98	F5p	3.12	G0p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 9 37	° ′ +69 28	h m 9 38	° ′ +10 7	h m 9 41	° ′ −27 31	h m 9 42	° ′ +24 0
	s	″	s	″	s	″	s	″
1 1.1	51.95	25.55 145	22.802 264	50.78 144	53.109 256	37.44 296	54.463 288	52.57 76
11.1	52.56 61	27.00 188	23.066 223	49.34 122	53.365 211	40.40 300	54.751 246	51.81 46
21.1	53.07 51	28.88 226	23.289 176	48.12 98	53.576 161	43.40 295	54.997 196	51.35 16
31.1	53.47 40	31.14 252	23.465 126	47.14 73	53.737 108	46.35 282	55.193 143	51.19 12
	27							
2 10.0	53.74	33.66 270	23.591 76	46.41 48	53.845 54	49.17 265	55.336 89	51.31 38
19.9	53.87 13	36.36 274	23.667 26	45.93 25	53.899 5	51.82 240	55.425 35	51.69 58
29.9	53.88 1	39.10 268	23.693 17	45.68 5	53.904 41	54.22 212	55.460 72	52.27 74
3 10.9	53.76 23	41.78 250	23.676 56	45.63 13	53.863 80	56.34 182	55.448 56	53.01 85
20.9	53.53 32	44.28 223	23.620 86	45.76 26	53.783 112	58.16 148	55.392 89	53.86 89
30.9	53.21 39	46.51 187	23.534 108	46.02 38	53.671 136	59.64 113	55.303 115	54.75 89
4 9.9	52.82 45	48.38 145	23.426 122	46.40 44	53.535 151	60.77 78	55.188 131	55.64 84
19.8	52.37 47	49.83 97	23.304 128	46.84 50	53.384 159	61.55 43	55.057 139	56.48 76
29.8	51.90 49	50.80 46	23.176 127	47.34 52	53.225 160	61.98 6	54.918 138	57.24 65
5 9.8	51.41 47	51.26 4	23.049 119	47.86 53	53.065 155	62.04 28	54.780 131	57.89 51
19.8	50.94 44	51.22 54	22.930 105	48.39 52	52.910 145	61.76 62	54.649 117	58.40 36
29.7	50.50 39	50.68 103	22.825 89	48.91 50	52.765 130	61.14 93	54.532 100	58.76 22
6 8.7	50.11 33	49.65 148	22.736 69	49.41 47	52.635 111	60.21 123	54.432 78	58.98 5
18.7	49.78 27	48.17 188	22.667 47	49.88 42	52.524 90	58.98 148	54.354 54	59.03 10
28.6	49.51 19	46.29 224	22.620 23	50.30 37	52.434 65	57.50 169	54.300 27	58.93 25
7 8.6	49.32 11	44.05 255	22.597 3	50.67 29	52.369 39	55.81 186	54.273 1	58.68 42
18.6	49.21 2	41.50 279	22.600 28	50.96 20	52.330 9	53.95 197	54.272 28	58.26 56
28.6	49.19 6	38.71 298	22.628 55	51.16 9	52.321 21	51.98 200	54.300 56	57.70 72
8 7.5	49.25 15	35.73 311	22.683 82	51.25 4	52.342 54	49.98 197	54.356 86	56.98 88
17.5	49.40 24	32.62 318	22.765 110	51.21 20	52.396 88	48.01 186	54.442 116	56.10 103
27.5	49.64 33	29.44 317	22.875 140	51.01 37	52.484 124	46.15 168	54.558 147	55.07 118
9 6.4	49.97 40	26.27 313	23.015 170	50.64 57	52.608 161	44.47 140	54.705 179	53.89 133
16.4	50.37 49	23.14 300	23.185 200	50.07 78	52.769 197	43.07 107	54.884 211	52.56 147
26.4	50.86 56	20.14 282	23.385 230	49.29 101	52.966 234	42.00 67	55.095 244	51.09 161
10 6.4	51.42 64	17.32 258	23.615 259	48.28 121	53.200 268	41.33 22	55.339 274	49.48 171
16.3	52.06 69	14.74 226	23.874 286	47.07 142	53.468 297	41.11 57	55.613 303	47.77 178
26.3	52.75 74	12.48 190	24.160 309	45.65 159	53.765 323	41.38 76	55.916 328	45.99 182
11 5.3	53.49 78	10.58 147	24.469 326	44.06 173	54.088 340	42.14 125	56.244 347	44.17 181
15.3	54.27 80	9.11 100	24.795 338	42.33 181	54.428 349	43.39 171	56.591 360	42.36 175
25.2	55.07 80	8.11 48	25.133 339	40.52 185	54.777 349	45.10 212	56.951 364	40.61 183
12 5.2	55.87 78	7.63 5	25.472 332	38.67 181	55.126 337	47.22 247	57.315 357	38.98 145
15.2	56.65 74	7.68 60	25.804 314	36.86 172	55.463 315	49.69 274	57.672 340	37.53 122
25.1	57.39 66	8.28 111	26.118 287	35.14 157	55.778 283	52.43 291	58.012 312	36.31 97
35.1	58.05	9.39	26.405	33.57	56.061	55.34	58.324	35.34
平均	s 49.769	″ 32.47	s 22.603	″ 47.47	s 52.889	″ 50.30	s 54.180	″ 52.68
Sec δ, Tan δ	+2.852	+2.671	+1.016	+0.179	+1.128	−0.521	+1.095	+0.446
2回正中	2月15日		2月15日		2月16日		2月16日	
a b	+0.2569	−0.1449	+0.1602	−0.0097	+0.1336	+0.0286	+0.1701	−0.0246
a′ b′	−0.8137	−0.5813	−0.8151	−0.5794	−0.8238	−0.5668	−0.8264	−0.5632
FK3番号	363		365		366		367	

本初子午線正中時

星名	† υ Cari		υ U Maj		6 Sext		μ Leon	
等級 スペクトル型	3.15	F0	3.89	F0	6.00	A2	4.10	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 9 45	° ′ −64 49	h m 9 47	° ′ +59 17	h m 9 48	° ′ −3 59	h m 9 49	° ′ +26 14
	s	″	s	″	s	″	s	″
1 1.1	49.33 38	28.44 343	19.736 462	57.63 91	36.891 260	48.92 212	48.883 297	69.13 69
11.1	49.71 29	31.87 369	20.198 393	58.54 137	37.151 221	51.04 199	49.180 256	68.44 38
21.1	50.00 19	35.56 384	20.591 312	59.91 175	37.372 176	53.03 182	49.436 206	68.06 5
31.1	50.19 10	39.40 388	20.903 224	61.66 206	37.548 127	54.85 161	49.642 153	68.01 23
2 10.0	50.29 0	43.28 383	21.127 130	63.72 227	37.675 78	56.46 137	49.795 97	68.24 50
19.9	50.29 9	47.11 367	21.257 40	65.99 239	37.753 31	57.83 113	49.892 43	68.74 71
29.9	50.20 17	50.78 345	21.297 48	68.38 240	37.784 13	58.96 88	49.935 7	69.45 87
3 10.9	50.03 25	54.23 315	21.249 125	70.78 230	37.771 50	59.84 64	49.928 50	70.32 97
20.9	49.78 32	57.38 279	21.124 190	73.08 211	37.721 79	60.48 41	49.878 86	71.29 100
30.9	49.46 36	60.17 237	20.934 242	75.19 183	37.642 103	60.89 20	49.792 113	72.29 100
4 9.9	49.10 40	62.54 191	20.692 278	77.02 149	37.539 117	61.09 1	49.679 131	73.29 93
19.8	48.70 43	64.45 143	20.414 299	78.51 110	37.422 124	61.10 78	49.548 140	74.22 82
29.8	48.27 45	65.88 91	20.115 304	79.61 66	37.298 125	60.92 33	49.408 141	75.04 70
5 9.8	47.82 44	66.79 38	19.811 297	80.27 23	37.173 119	60.59 48	49.267 135	75.74 53
19.8	47.38 44	67.17 15	19.514 278	80.50 23	37.054 109	60.11 60	49.132 122	76.27 37
29.7	46.94 42	67.02 67	19.236 247	80.27 66	36.945 95	59.51 72	49.010 105	76.64 19
6 8.7	46.52 39	66.35 117	18.989 210	79.61 107	36.850 77	58.79 81	48.905 84	76.83 1
18.7	46.13 35	65.18 163	18.779 165	78.54 145	36.773 58	57.98 88	48.821 61	76.84 77
28.6	45.78 30	63.55 206	18.614 116	77.09 180	36.715 36	57.10 92	48.760 35	76.67 35
7 8.6	45.48 24	61.49 242	18.498 63	75.29 211	36.679 13	56.18 94	48.725 8	76.32 52
18.6	45.24 17	59.07 270	18.435 9	73.18 235	36.666 12	55.24 92	48.717 20	75.80 69
28.6	45.07 11	56.37 290	18.427 48	70.83 258	36.678 37	54.32 86	48.737 50	75.11 86
8 7.5	44.96 2	53.47 301	18.475 106	68.25 272	36.715 65	53.46 75	48.787 79	74.25 102
17.5	44.94 6	50.46 302	18.581 163	65.53 284	36.780 92	52.71 61	48.866 110	73.23 117
27.5	45.00 14	47.44 291	18.744 221	62.69 290	36.872 123	52.10 43	48.976 141	72.06 133
9 6.5	45.14 23	44.53 269	18.965 278	59.79 291	36.995 154	51.67 19	49.117 175	70.73 148
16.4	45.37 32	41.84 236	19.243 334	56.88 285	37.149 184	51.48 8	49.292 207	69.25 161
26.4	45.69 39	39.48 195	19.577 389	54.03 275	37.333 217	51.56 38	49.499 241	67.64 173
10 6.4	46.08 46	37.53 142	19.966 440	51.28 259	37.550 247	51.94 69	49.740 272	65.91 183
16.3	46.54 52	36.11 85	20.406 486	48.69 236	37.797 275	52.63 102	50.012 303	64.08 188
26.3	47.06 57	35.26 20	20.892 525	46.33 208	38.072 299	53.65 132	50.315 330	62.20 190
11 5.3	47.63 58	35.06 44	21.417 557	44.25 173	38.371 318	54.97 161	50.645 350	60.30 187
15.3	48.21 60	35.50 111	21.974 575	42.52 133	38.689 330	56.58 184	50.995 364	58.43 178
25.2	48.81 58	36.61 174	22.549 580	41.19 88	39.019 332	58.42 203	51.359 370	56.65 164
12 5.2	49.39 56	38.35 232	23.129 570	40.31 40	39.351 327	60.45 215	51.729 364	55.01 144
15.2	49.95 49	40.67 283	23.699 542	39.91 70	39.678 309	62.60 220	52.093 348	53.57 119
25.2	50.44 44	43.50 324	24.241 499	40.01 60	39.987 283	64.80 219	52.441 321	52.38 90
35.1	50.88	46.74	24.740	40.61	40.270	66.99	52.762	51.48
平均	s 48.182	″ 48.69	s 18.547	″ 64.20	s 36.773	″ 55.78	s 48.603	″ 69.99
Sec δ, Tan δ	+2.351	−2.128	+1.958	+1.683	+1.002	−0.070	+1.115	+0.493
2回正中	2月17日		2月17日		2月18日		2月18日	
a b	+0.0749	+0.1182	+0.2147	−0.0939	+0.1508	+0.0039	+0.1710	−0.0277
a′ b′	−0.8334	−0.5527	−0.8370	−0.5472	−0.8401	−0.5424	−0.8430	−0.5380
FK3番号	369		368		370		371	

本初子午線正中時

星名	183 G. Hyda		Grb 1586 U Maj		19 L Min		φ Vel	
等級	5.16		5.96		5.19		3.70	
スペクトル型	MO		KO		F5		B5	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	9h 52m	-18° 45′	9h 53m	+73° 7′	9h 54m	+41° 17′	9h 55m	-54° 18′
1 1.1	25.071	3342	4942	3312	30.906	7092	2559	5120
11.1	25.332 261	36.10 268	50.17 75	34.52 140	31.254 348	70.94 2	28.86 327	54.57 339
21.1	25.552 220	+38.76 266	50.81 64	36.39 187	31.554 300	71.35 41	31.48 262	58.16 359
31.1	25.726 174	41.33 257	51.32 51	38.67 228	31.797 243	72.14 79	33.40 192	61.87 371
	124	243	35	259	181	110	119	373
2 10.0	25.850	4376	5167	4126	31.978	73.24	3469	65.60
19.9	25.923 73	45.98 222	51.88 21	44.05 279	32.093 115	74.61 137	35.04 45	69.25 365
29.9	25.947 24	47.97 199	51.92 4	46.91 286	32.145 52	76.17 156	34.80 24	72.73 348
	19	171	10	282	8	166	89	325
3 10.9	25.928	4968	5182	4973	32.137	7783	3391	7598
20.9	25.870 58	51.11 143	51.57 25	52.40 267	32.076 61	79.51 168	32.45 146	78.93 295
30.9	25.782 88	52.25 114	51.21 36	54.80 240	31.971 105	81.13 162	30.51 194	81.51 258
	113	84	46	206	141	150	233	219
4 9.9	25.669	5309	5075	5686	31.830	8263	2818	8370
19.8	25.541 128	53.63 54	50.22 53	58.48 162	31.667 163	83.93 130	25.57 261	85.65 175
29.8	25.404 137	53.87 24	49.65 57	59.62 114	31.490 177	84.99 106	22.77 280	86.73 128
	139	4	60	62	180	79	291	79
5 9.8	25.265	5383	4905	6024	31.310	8578	1986	8752
19.8	25.131 134	53.51 32	48.46 59	60.33 9	31.135 175	86.27 49	16.94 292	87.82 30
29.7	25.005 126	52.93 58	47.90 56	59.90 43	30.973 162	86.45 18	14.08 286	87.62 20
	113	82	52	95	142	73	272	89
6 8.7	24.892	5211	4738	5895	30.831	8632	1136	8893
18.7	24.796 96	51.06 105	46.92 46	57.52 143	30.714 117	85.88 44	08.85 251	85.79 114
28.6	24.718 78	49.82 124	46.54 38	55.66 186	30.624 90	85.16 72	06.61 224	84.21 158
	55	140	30	227	58	100	190	197
7 8.6	24.663	4842	4624	5339	30.566	8416	0471	8224
18.6	24.631 32	46.91 151	46.04 20	50.80 259	30.541 25	82.90 126	03.21 150	79.95 229
28.6	24.625 6	45.34 157	45.94 10	47.92 208	30.550 9	81.42 148	02.14 107	77.40 255
	22	159	7	309	44	169	56	273
8 7.5	24.647	4375	4595	4483	30.594	7973	0158	7467
17.5	24.697 50	42.22 153	46.06 11	41.58 325	30.676 82	77.86 187	01.55 3	71.86 281
27.5	24.779 82	40.81 141	46.27 21	38.25 333	30.794 118	75.84 202	02.09 54	69.05 281
	114	123	32	336	157	214	115	268
9 6.5	24.893	3958	4659	3489	30.951	7370	0324	6637
16.4	25.042 149	38.60 98	47.02 43	31.57 332	31.146 195	71.46 224	05.01 177	63.90 247
26.4	25.225 183	37.92 68	47.54 52	28.37 320	31.381 235	69.17 229	07.38 237	61.75 215
	217	31	62	303	274	232	296	173
10 6.4	25.442	3761	4816	2534	31.655	6685	1034	6002
16.3	25.692 250	37.70 9	48.87 71	22.55 279	31.966 311	64.55 230	13.83 349	58.79 123
26.3	25.972 280	38.21 51	49.66 79	20.08 247	32.312 346	62.33 222	17.78 395	58.13 66
	307	95	85	209	378	210	433	5
11 5.3	26.279	3916	5051	1799	32.690	6023	2211	5808
15.3	26.604 325	40.52 136	51.42 91	16.33 166	33.092 402	58.31 192	26.68 457	58.65 57
25.2	26.941 337	42.27 195	52.35 93	15.17 116	33.510 418	56.63 168	31.36 468	59.86 121
	339	208	95	63	426	139	464	180
12 5.2	27.280	4435	5330	1454	33.936	5524	3600	6166
15.2	27.612 332	46.70 235	54.22 92	14.47 7	34.357 421	54.20 104	40.46 446	64.00 234
25.2	27.926 314	49.25 255	55.10 88	14.96 49	34.760 403	53.54 66	44.58 412	66.82 282
35.1	28.211 285	51.92 267	55.91 81	16.01 105	35.133 373	53.28 26	48.22 364	70.02 320
年位	24.955	44.24	46.754	41.28	30.407	75.13	20.15	70.21
Sec δ Tan δ	+1.056	-0.340	+3.445	+3.297	+1.331	+0.879	+1.714	-1.393
2回正中	2月 19日		2月 19日		2月 19日		2月 19日	
α b	+0.1414	+0.0192	+0.2684	-0.1873	+0.1838	-0.0500	+0.1052	+0.0794
α′ b′	-0.8490	-0.5284	-0.8521	-0.5233	-0.8538	-0.5206	-0.8550	-0.5187
FK3番号	373		372		374		375	

本初子午線正中時

星名	η Antl		12 Sext		π Leon		η Leon	
等級	5.25		6.63		4.89		3.58	
スペクトル型	FO		A5		MO		A0p	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	9h 56m	-35° 38′	9h 57m	+3° 37′	9h 57m	+8° 17′	10h 4m	+17° 0′
1 1.1	38.387	1397	1.338	6763	28.103	4372	30.116	6223
11.1	38.665 278	17.09 312	1.609 271	65.83 180	28.379 276	42.12 140	30.407 291	61.01 122
21.1	38.896 231	20.32 323	1.862 233	64.20 163	28.616 237	40.74 138	30.660 253	60.06 95
31.1	39.075 179	23.56 324	2.030 188	62.79 141	28.808 192	39.59 115	30.868 208	59.39 67
	122	319	140	118	144	90	158	38
2 10.0	39.197	2675	2.170	6161	28.952	3869	31.026	5901
20.0	39.264 67	29.78 303	2.260 90	60.69 92	29.046 94	38.05 64	31.133 107	58.90 11
29.9	39.277 13	32.61 283	2.303 43	60.01 68	29.091 45	37.66 39	31.189 56	59.04 14
	36	256	7	45	1	17	9	35
3 10.9	39.241	3517	2.302	5956	29.092	3749	31.198	5939
20.9	39.161 80	37.43 226	2.262 40	59.33 23	29.054 38	37.52 3	31.166 32	59.89 50
30.9	39.047 114	39.35 192	2.192 90	59.29 4	28.984 70	37.70 18	31.100 66	60.51 62
	143	155	95	12	95	32	94	69
4 9.9	38.904	4090	2.097	5941	28.889	3802	31.006	6120
19.8	38.742 162	42.06 116	1.986 111	59.66 25	28.778 111	38.43 41	30.895 111	61.92 72
29.8	38.567 175	42.83 77	1.867 119	60.03 37	28.658 120	38.91 48	30.773 122	62.62 70
	179	37	120	45	121	53	124	67
5 9.8	38.388	4320	1.747	6048	28.537	3944	30.649	6329
19.8	38.211 177	43.16 4	1.630 117	61.00 52	28.420 117	39.98 54	30.528 121	63.88 59
29.7	38.041 170	42.74 42	1.524 106	61.57 57	28.313 107	40.54 56	30.415 113	64.40 52
	158	81	94	61	93	54	99	42
6 8.7	37.883	4193	1.430	6218	28.220	4108	30.316	6482
18.7	37.742 141	40.77 116	1.353 77	62.81 63	28.143 77	41.60 52	30.235 81	65.13 31
28.7	37.621 121	39.29 148	1.295 58	63.44 63	28.086 57	42.08 48	30.172 63	65.33 20
	96	176	37	62	36	43	41	7
7 8.6	37.525	3753	1.258	6406	28.050	4251	30.131	6540
18.6	37.455 70	35.55 198	1.243 15	64.64 58	28.037 13	42.87 36	30.113 18	65.35 5
28.6	37.416 39	33.40 215	1.253 10	65.15 51	28.048 11	43.14 27	30.120 7	65.16 19
	6	224	34	43	36	17	33	34
8 7.5	37.410 30	3116	1.287	6558	28.084	4331	30.153	6482
17.5	37.440 67	28.90 226	1.348 61	65.88 30	28.147 63	43.34 3	30.213 60	64.32 50
27.5	37.507	26.71 219	1.436 88	66.03 15	28.237 90	43.21 13	30.301 88	63.66 66
	109	203	118	3	120	31	118	84
9 6.5	37.616	2468	1.554	4600	28.357	4290	30.419	6282
16.4	37.766 150	22.89 179	1.702 148	65.75 25	28.508 151	42.38 52	30.569 150	61.79 103
26.4	37.957 191	21.42 147	1.882 180	65.26 49	28.690 182	41.65 73	30.751 182	60.58 121
	234	106	212	95	213	97	215	139
10 6.4	38.191	2036	2.094	6451	28.903	4018	30.966	5919
16.4	38.464 273	19.76 60	2.336 242	63.51 100	29.148 245	39.48 120	31.213 247	57.62 157
26.3	38.771 307	19.67 9	2.608 272	62.24 127	29.422 274	38.06 142	31.492 279	55.91 171
	337	45	298	151	301	161	306	182
11 5.3	39.108	2012	2.906	6073	29.723	3645	31.798	5409
15.3	39.466 358	21.11 99	3.223 317	59.02 171	30.043 320	34.48 177	32.126 328	52.19 190
25.2	39.837 371	22.62 151	3.555 332	57.15 187	30.378 335	32.79 189	32.470 344	50.28 191
	371	200	336	198	340	194	351	188
12 5.2	40.208	2462	3.891	5517	30.718	3085	32.821	4840
15.2	40.569 361	27.04 242	4.223 332	53.15 202	31.053 335	28.92 193	33.170 349	46.63 177
25.2	40.907 338	29.81 277	4.540 317	51.15 200	31.375 322	27.07 185	33.506 336	45.02 161
35.1	41.214 307	32.83 302	4.833 293	49.24 191	31.672 297	25.34 173	33.818 312	43.62 140
年位	38.192	29.11	7.242	62.90	27.991	40.26	29.982	61.25
Sec δ Tan δ	+1.231	-0.717	+1.002	+0.063	+1.011	+0.146	+1.046	+0.306
2回正中	2月 20日		2月 20日		2月 20日		2月 22日	
α b	+0.1288	+0.0410	+0.1555	-0.0036	+0.1583	-0.0084	+0.1632	-0.0179
α′ b′	-0.8586	-0.5127	-0.8595	-0.5112	-0.8604	-0.5096	-0.8757	-0.4829
FK3番号	377		376		378		379	

本初子午線正中時

星名	α Leon		λ Hyda		ω Cari		191 G.Velr	
等級 スペクトル型	1.34	B8	3.83	K0	3.56	B8	4.09	A2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 5	° ′ +12 13	h m 10 8	° ′ −12 5	h m 10 12	° ′ −69 46	h m 10 12	° ′ −41 51
	s	″	s	″	s	″	s	″
1 12	36.361 285	21.92 145	3.125 273	37.79 245	31.34 50	23.59 322	33.085 307	32.38 315
11.1	36.646 248	20.47 122	3.398 234	40.24 239	31.84 41	26.81 353	33.392 257	35.53 333
21.1	36.894 203	19.25 95	3.632 190	42.63 227	32.25 29	30.36 377	33.649 203	38.86 341
31.1	37.097 154	18.30 67	3.822 143	44.90 210	32.54 18	34.13 389	33.852 144	42.27 340
2 10.0	37.251 104	17.63 41	3.965 93	47.00 189	32.72 6	38.02 392	33.996 84	45.67 329
20.0	37.355 55	17.22 16	4.058 46	48.89 164	32.78 −4	41.94 384	34.080 27	48.96 313
29.9	37.410 9	17.06 −6	4.104 2	50.53 139	32.74 15	45.78 369	34.107 26	52.09 289
3 10.9	37.419 −37	17.12 24	4.106 −37	51.92 113	32.59 25	49.47 344	34.081 73	54.98 260
20.9	37.388 64	17.26 39	4.069 69	53.05 86	32.34 33	52.91 314	34.008 113	57.58 228
30.9	37.324 91	17.75 49	4.000 93	53.91 60	32.01 40	56.05 276	33.895 147	59.86 190
4 9.9	37.233 107	18.24 56	3.907 111	54.51 36	31.61 46	58.81 235	33.748 170	61.76 151
19.9	37.126 119	18.80 59	3.796 121	54.87 11	31.15 50	61.16 187	33.578 186	63.27 110
29.8	37.007 121	19.39 60	3.675 125	54.98 −12	30.65 53	63.03 138	33.392 196	64.37 67
5 9.8	36.886 117	19.99 58	3.550 123	54.86 33	30.12 55	64.41 86	33.196 199	65.04 24
19.8	36.769 110	20.57 54	3.427 116	54.53 54	29.57 56	65.27 32	32.997 194	65.28 −19
29.7	36.659 97	21.11 50	3.311 106	53.99 71	29.01 54	65.59 −22	32.803 186	65.09 62
6 8.7	36.562 80	21.61 43	3.205 92	53.28 88	28.47 52	65.37 75	32.617 172	64.47 101
18.7	36.482 62	22.04 36	3.113 75	52.40 102	27.95 48	64.62 125	32.445 153	63.46 138
28.7	36.420 41	22.40 27	3.038 55	51.38 113	27.47 43	63.37 172	32.292 130	62.08 171
7 8.6	36.379 −14	22.67 17	2.983 35	50.25 119	27.04 38	61.65 214	32.162 102	60.37 199
18.6	36.360 −4	22.84 −6	2.948 12	49.06 123	26.66 29	59.51 249	32.060 72	58.38 221
28.6	36.364 30	22.90 −7	2.936 −14	47.83 122	26.37 21	57.02 276	31.988 37	56.17 235
8 7.6	36.394 56	22.83 21	2.950 40	46.61 115	26.16 12	54.26 295	31.951 −2	53.82 242
17.5	36.450 84	22.62 38	2.990 70	45.46 103	26.04 −2	51.31 303	31.953 44	51.40 240
27.5	36.534 114	22.24 56	3.060 100	44.43 85	26.02 −9	48.28 300	31.997 89	49.00 229
9 6.5	36.648 144	21.68 76	3.160 134	43.58 62	26.11 20	45.28 287	32.086 136	46.71 207
16.4	36.792 177	20.92 96	3.294 167	42.96 35	26.31 31	42.41 261	32.222 183	44.64 178
26.4	36.969 209	19.96 117	3.461 201	42.61 1	26.62 41	39.80 225	32.405 231	42.86 139
10 6.4	37.178 242	18.79 138	3.662 235	42.60 −34	27.03 51	37.55 179	32.636 277	41.47 94
16.4	37.420 272	17.41 157	3.897 267	42.94 71	27.54 58	35.76 125	32.913 316	40.53 42
26.3	37.692 299	15.84 172	4.164 294	43.65 109	28.12 66	34.51 64	33.229 352	40.11 −14
11 5.3	37.991 321	14.12 185	4.458 316	44.74 144	28.78 69	33.87 −0	33.581 377	40.25 71
15.3	38.312 337	12.27 192	4.774 330	46.18 177	29.47 72	33.87 67	33.958 393	40.96 127
25.3	38.649 345	10.35 193	5.104 337	47.95 205	30.19 71	34.54 133	34.351 398	42.23 181
12 5.2	38.994 342	8.42 188	5.441 333	50.00 226	30.90 69	35.87 194	34.749 388	44.04 228
15.2	39.336 328	6.54 177	5.774 318	52.26 239	31.59 63	37.81 250	35.137 368	46.32 269
25.2	39.664 306	4.77 160	6.092 295	54.65 246	32.22 56	40.31 298	35.506 334	49.01 303
35.1	39.970	3.17	6.387	57.11	32.78	43.29	35.839	52.04
平位 Sec&Tan	s 36.264	″ 19.67	s 3.105	″ 46.87	s 30.266	″ 45.62	s 32.996	″ 49.37
	+1.023	+0.217	+1.023	−0.214	+2.893	−2.715	+1.343	−0.896
2回正中	2月 22日		2月 23日		2月 24日		2月 24日	
a b	+0.1603	−0.0127	+0.1466	+0.0126	+0.0715	+0.1615	+0.1263	+0.0533
a′ b′	−0.8780	−0.4787	−0.8831	−0.4693	−0.8920	−0.4520	−0.8921	−0.4519
FK3番号	380		381		385		382	

本初子午線正中時

星名	ξ Leon		λ UMaj		μ UMaj		30 H.UMaj	
等級 スペクトル型	3.65	F0	3.52	A2	3.21	K5	4.92	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 13	° ′ +23 40	h m 10 13	° ′ +43 10	h m 10 19	° ′ +41 45	h m 10 20	° ′ +65 49
	s	″	s	″	s	″	s	″
1 1.2	48.227 310	36.81 97	58.567 371	23.95 8	14.718 368	37.02 18	25.81 59	39.69 82
11.1	48.537 271	35.84 65	58.938 326	23.87 −36	15.086 324	36.84 −74	26.40 53	40.51 132
21.1	48.808 225	35.19 33	59.264 270	24.23 76	15.411 271	37.08 66	26.93 43	41.83 179
31.1	49.033 175	34.86 1	59.534 208	24.99 112	15.682 212	37.74 102	27.36 33	43.62 217
2 10.0	49.208 121	34.86 −29	59.742 143	26.11 142	15.894 147	38.76 133	27.69 23	45.79 245
20.0	49.329 68	35.14 53	59.885 78	27.53 164	16.041 84	40.09 155	27.92 11	48.24 262
29.9	49.397 20	35.67 73	59.963 15	29.17 177	16.125 23	41.64 171	28.03 0	50.86 269
3 10.9	49.417 −25	36.40 88	59.978 −41	30.94 182	16.148 −33	43.35 178	28.03 −10	53.55 263
20.9	49.392 63	37.28 95	59.937 90	32.76 179	16.115 80	45.13 176	27.93 19	56.18 247
30.9	49.329 91	38.23 99	59.847 128	34.55 167	16.035 120	46.89 165	27.74 26	58.65 221
4 9.9	49.238 112	39.22 96	59.719 157	36.22 148	15.915 147	48.54 149	27.48 33	60.86 187
19.9	49.126 126	40.18 89	59.562 175	37.70 124	15.768 166	50.03 127	27.15 36	62.73 146
29.8	49.000 129	41.07 77	59.387 182	38.94 95	15.602 175	51.30 99	26.79 38	64.19 100
5 9.8	48.871 128	41.86 65	59.205 182	39.89 65	15.427 175	52.29 70	26.41 40	65.19 53
19.8	48.743 121	42.51 51	59.023 172	40.54 31	15.252 167	52.99 38	26.01 38	65.72 −2
29.7	48.622 108	43.02 34	58.851 157	40.85 −2	15.085 153	53.37 4	25.63 36	65.74 −47
6 8.7	48.514 91	43.36 17	58.694 136	40.83 36	14.932 133	53.41 −27	25.27 32	65.27 94
18.7	48.423 72	43.53 0	58.558 111	40.47 68	14.799 110	53.14 60	24.95 28	64.33 139
28.7	48.351 51	43.53 −18	58.447 81	39.79 99	14.689 83	52.54 90	24.67 23	62.94 181
7 8.6	48.300 27	43.35 37	58.366 50	38.80 127	14.606 53	51.64 119	24.44 17	61.13 218
18.6	48.273 −2	42.98 54	58.316 18	37.53 154	14.553 21	50.46 144	24.27 11	58.95 251
28.6	48.271 −24	42.44 71	58.298 −19	35.99 177	14.532 −12	49.01 169	24.16 4	56.44 277
8 7.6	48.295 52	41.73 90	58.317 54	34.22 197	14.544 48	47.32 190	24.12 −4	53.67 299
17.5	48.347 82	40.83 107	58.371 93	32.25 216	14.592 85	45.42 209	24.16 10	50.68 315
27.5	48.429 113	39.76 125	58.464 132	30.09 230	14.677 123	43.33 224	24.26 18	47.53 325
9 6.5	48.542 146	38.51 143	58.596 173	27.79 241	14.800 163	41.09 237	24.44 25	44.28 329
16.4	48.688 179	37.08 158	58.769 214	25.38 248	14.963 203	38.72 245	24.69 32	40.99 325
26.4	48.867 215	35.50 173	58.983 257	22.90 252	15.166 246	36.27 250	25.01 40	37.74 318
10 6.4	49.082 249	33.77 186	59.240 298	20.38 251	15.412 287	33.77 250	25.41 47	34.56 300
16.4	49.331 281	31.91 196	59.538 336	17.87 243	15.699 325	31.27 245	25.88 53	31.56 279
26.3	49.612 312	29.95 201	59.874 372	15.44 231	16.024 362	28.82 234	26.41 59	28.77 248
11 5.3	49.924 336	27.94 201	60.246 401	13.13 212	16.386 391	26.48 217	27.00 64	26.29 211
15.3	50.260 355	25.93 197	60.647 423	11.01 187	16.777 414	24.31 194	27.64 67	24.18 168
25.3	50.615 364	23.96 185	61.070 434	9.14 156	17.191 476	22.37 164	28.31 69	22.50 119
12 5.2	50.979 363	22.11 168	61.504 434	7.58 120	17.617 477	20.73 129	29.00 70	21.31 66
15.2	51.342 352	20.43 146	61.938 421	6.38 80	18.044 415	19.44 90	29.70 67	20.65 11
25.2	51.694 330	18.97 118	62.359 394	5.58 37	18.459 391	18.54 48	30.37 63	20.54 −43
35.1	52.024	17.74	62.753	5.21	18.850	18.06	31.00	20.99
平位 Sec&Tan	s 48.075	″ 37.82	s 58.113	″ 29.42	s 14.370	″ 42.45	s 24.343	″ 48.90
	+1.092	+0.439	+1.371	+0.938	+1.361	+0.893	+2.442	+2.228
2回正中	2月 24日		2月 24日		2月 26日		2月 26日	
a b	+0.1664	−0.0262	+0.1813	−0.0560	+0.1787	−0.0539	+0.2159	−0.1347
a′ b′	−0.8945	−0.4470	−0.8949	−0.4463	−0.9049	−0.4256	−0.9071	−0.4210
FK3番号	384		383		386		387	

本初子午線正中時

星名	25 Sext		I Cari		μ Hyda		α Antl	
等級 スペクトル型	6.10	B9	4.08	F5	4.06	K5	4.42	K5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 20	° ′ −3 48	h m 10 23	° ′ −73 45	h m 10 23	° ′ −16 34	h m 10 24	° ′ −30 47
1 1.2	s 48.692 282	″ 31.48 215	s 23.40 62	″ 37.08 308	s 34.351 284	″ 2.42 258	s 46.118 298	″ 53.85 292
11.1	48.974 248	33.63 204	24.02 50	40.16 345	34.635 248	5.00 257	46.416 256	56.77 303
21.1	49.222 205	35.67 187	24.52 38	43.61 372	34.883 209	7.57 248	46.672 209	59.80 305
31.1	49.427 159	37.54 166	24.90 24	47.33 388	35.087 159	10.05 235	46.881 158	62.85 299
2 10.1	49.586 110	39.20 142	25.14 10	51.21 394	35.244 108	12.40 216	47.039 105	65.84 286
20.0	49.696 64	40.62 118	25.24 3	55.15 390	35.352 60	14.56 193	47.144 53	68.70 267
29.9	49.760 20	41.80 93	25.21 16	59.05 379	35.412 16	16.49 168	47.197 6	71.37 244
3 10.9	49.780 20	42.73 68	25.05 28	62.84 358	35.428 24	18.17 141	47.203 37	73.81 216
20.9	49.760 52	43.41 45	24.77 39	66.42 330	35.404 58	19.58 114	47.166 74	75.97 185
30.9	49.708 78	43.86 23	24.38 48	69.72 295	35.346 84	20.72 86	47.092 103	77.82 152
4 9.9	49.630 97	44.09 5	23.90 55	72.67 256	35.262 104	21.58 58	46.989 126	79.34 118
19.9	49.533 109	44.14 13	23.35 62	75.23 210	35.158 119	22.16 32	46.863 140	80.52 82
29.8	49.424 114	44.01 28	22.73 66	77.33 161	35.041 123	22.48 5	46.723 150	81.34 46
5 9.8	49.310 113	43.73 42	22.07 69	78.94 110	34.918 124	22.53 19	46.573 152	81.80 11
19.8	49.197 109	43.31 54	21.38 70	80.04 56	34.794 121	22.34 43	46.421 150	81.91 25
29.8	49.088 100	42.77 65	20.68 69	80.60 1	34.673 112	21.91 65	46.271 142	81.66 58
6 8.7	48.988 87	42.12 73	19.99 68	80.61 53	34.561 101	21.26 86	46.129 132	81.08 91
18.7	48.901 72	41.39 79	19.31 63	80.08 105	34.460 89	20.40 103	45.997 117	80.17 121
28.7	48.829 55	40.60 83	18.68 58	79.03 154	34.373 70	19.37 118	45.880 99	78.96 146
7 8.6	48.774 36	39.77 84	18.10 51	77.49 199	34.303 50	18.19 128	45.781 77	77.50 168
18.6	48.738 14	38.93 82	17.59 42	75.50 238	34.253 29	16.91 136	45.704 53	75.82 184
28.6	48.724 9	38.11 77	17.17 31	73.12 268	34.224 4	15.55 137	45.651 25	73.98 194
8 7.6	48.733 34	39.34 68	16.86 20	70.44 291	34.220 23	14.18 134	45.626 7	72.04 198
17.5	48.767 61	36.66 54	16.66 8	67.53 302	34.243 52	12.84 123	45.633 40	70.06 193
27.5	48.828 92	36.12 36	16.58 6	64.51 305	34.295 83	11.61 109	45.673 78	68.13 180
9 6.5	48.920 123	35.76 15	16.64 20	61.46 294	34.378 118	10.52 86	45.751 118	66.33 160
16.5	49.043 156	35.61 11	16.84 33	58.52 273	34.496 154	9.66 59	45.869 158	64.73 132
26.4	49.199 190	35.72 40	17.17 46	55.79 240	34.650 190	9.07 26	46.029 201	63.41 96
10 6.4	49.389 224	36.12 60	17.63 59	53.39 198	34.840 226	8.81 11	46.228 241	62.45 56
16.4	49.613 257	36.82 101	18.22 69	51.41 146	35.066 260	8.92 50	46.469 279	61.90 8
26.3	49.870 285	37.83 132	18.91 77	49.95 86	35.326 291	9.42 90	46.748 312	61.82 41
11 5.3	50.155 310	39.15 160	19.68 83	49.09 23	35.617 315	10.32 130	47.060 338	62.23 91
15.3	50.465 326	40.76 185	20.51 86	48.86 44	35.932 333	11.62 167	47.398 357	63.14 140
25.3	50.791 336	42.60 203	21.37 86	49.30 110	36.265 342	13.29 199	47.755 364	64.54 185
12 5.2	51.127 335	44.63 217	22.23 84	50.40 173	36.607 340	15.28 225	48.119 361	66.39 225
15.2	51.462 324	46.80 222	23.07 77	52.13 232	36.947 327	17.53 245	48.480 347	68.64 258
25.2	51.786 303	49.02 222	23.84 69	54.45 283	37.274 306	19.98 256	48.827 320	71.22 283
35.2	52.089	51.24	24.53	57.28	37.580	22.54	49.147	74.05
中位	s 48.729	″ 38.09	s 22.159	″ 59.95	s 34.414	″ 12.81	s 46.156	″ 68.28
Sec δ Tang δ	+1.002	−0.067	+3.577	−3.435	+1.043	−0.298	+1.164	−0.596
2回正中	2月26日		2月27日		2月27日		2月27日	
a b	+0.1515	+0.0040	+0.0596	+0.2089	+0.1452	+0.0181	+0.1373	+0.0364
a′ b′	−0.9098	−0.4194	−0.9124	−0.4093	−0.9128	−0.4084	−0.9149	−0.4037
FK3番号	388		391		389		392	

本初子午線正中時

星名	β L Min		196 G. Cari		36 U Maj		ρ Leon	
等級 スペクトル型	4.41	K0	4.08	F0	4.84	F5	3.85	B0p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 24	° ′ +36 58	h m 10 26	° ′ −58 28	h m 10 27	° ′ +56 14	h m 10 30	° ′ +9 34
1 1.2	s 53.219 353	″ 22.96 45	s 58.202 397	″ 3.53 317	s 19.551 471	″ 44.25 35	s 4.416 298	″ 31.74 167
11.1	53.572 313	22.51 4	58.599 332	6.70 347	20.022 417	44.60 86	4.714 263	30.07 144
21.1	53.885 262	22.47 33	58.931 259	10.17 367	20.439 350	45.46 131	4.977 222	28.63 118
31.1	54.147 207	22.82 73	59.190 183	13.84 376	20.789 275	46.77 171	5.199 177	27.45 91
2 10.1	54.354 148	23.55 104	59.373 104	17.68 377	21.064 192	48.48 202	5.376 127	26.54 63
20.0	54.502 87	24.59 128	59.477 27	21.37 367	21.256 108	50.50 225	5.503 79	25.91 36
29.9	54.589 31	25.87 147	59.504 42	25.04 351	21.364 27	52.75 236	5.582 34	25.55 12
3 10.9	54.620 32	27.34 156	59.458 111	28.55 326	21.391 48	55.11 237	5.616 8	25.43 9
20.9	54.598 66	28.90 158	59.347 168	31.81 296	21.343 115	57.48 227	5.608 41	25.52 26
30.9	54.532 103	30.48 153	59.179 218	34.77 259	21.228 171	59.75 210	5.567 71	25.78 40
4 9.9	54.429 129	32.01 140	58.961 256	37.36 219	21.057 212	61.85 182	5.496 90	26.18 50
19.9	54.300 147	33.41 123	58.705 286	39.55 174	20.845 243	63.67 149	5.406 105	26.68 56
29.8	54.153 156	34.64 100	58.419 303	41.29 126	20.602 259	65.16 111	5.301 110	27.24 60
5 9.8	53.997 157	35.64 74	58.112 318	42.55 78	20.343 264	66.27 70	5.191 112	27.84 60
19.8	53.840 151	36.38 47	57.794 322	43.33 26	20.079 258	66.97 26	5.079 107	28.44 59
29.8	53.689 138	36.85 18	57.472 317	43.59 23	19.821 242	67.23 78	4.972 99	29.03 56
6 8.7	53.551 122	37.03 12	57.155 303	43.36 73	19.579 218	67.05 61	4.873 87	29.59 50
18.7	53.429 100	36.91 40	56.852 282	42.63 120	19.361 188	66.44 102	4.786 73	30.09 45
28.7	53.329 77	36.51 69	56.570 253	41.43 164	19.173 151	65.42 142	4.713 55	30.54 38
7 8.6	53.252 50	35.82 95	56.317 217	39.79 202	19.022 112	64.00 176	4.658 37	30.92 28
18.6	53.202 22	34.87 120	56.100 173	37.77 235	18.910 67	62.26 209	4.621 16	31.20 18
28.6	53.180 9	33.67 143	55.927 123	35.42 260	18.843 21	60.15 236	4.605 7	31.38 5
8 7.6	53.189 40	32.24 165	55.804 65	32.82 276	18.822 28	57.79 260	4.612 32	31.43 10
17.5	53.229 75	30.59 185	55.739 2	30.06 283	18.850 79	55.19 278	4.644 59	31.33 26
27.5	53.304 110	28.74 201	55.736 63	27.23 280	18.929 132	52.41 292	4.703 87	31.07 45
9 6.5	53.414 148	26.73 216	55.801 136	24.43 265	19.061 186	49.49 300	4.790 119	30.62 65
16.5	53.562 186	24.57 227	55.937 207	21.78 240	19.247 240	46.49 304	4.909 152	29.97 87
26.4	53.748 226	22.30 234	56.144 277	19.38 205	19.487 297	43.45 301	5.061 186	29.10 110
10 6.4	53.974 266	19.94 240	56.421 344	17.33 161	19.784 350	40.44 292	5.247 221	28.00 133
16.4	54.240 303	17.54 238	56.765 403	15.72 108	20.134 402	37.52 277	5.468 254	26.67 154
26.3	54.543 338	15.16 233	57.168 453	14.64 50	20.536 448	34.75 255	5.722 285	25.13 174
11 5.3	54.881 368	12.83 221	57.621 489	14.14 13	20.984 488	32.20 226	6.007 310	23.39 188
15.3	55.249 390	10.62 202	58.110 511	14.27 77	21.472 517	29.94 190	6.317 331	21.51 199
25.3	55.639 403	8.60 178	58.621 518	15.04 139	21.989 536	28.04 148	6.648 341	19.52 204
12 5.2	56.042 405	6.82 147	59.139 505	16.43 198	22.525 538	26.56 102	6.989 344	17.48 202
15.2	56.447 396	5.36 112	59.644 478	18.41 250	23.067 526	25.54 51	7.333 335	15.46 195
25.2	56.843 373	4.23 73	60.122 434	20.91 296	23.589 497	25.03 1	7.668 316	13.51 180
35.2	57.216	3.50	60.556	23.87	24.086	25.04	7.984	11.71
中位	s 52.940	″ 27.60	s 57.899	″ 24.30	s 18.745	″ 52.69	s 4.446	″ 29.25
Sec δ Tang δ	+1.252	+0.753	+1.912	−1.630	+1.800	+1.496	+1.014	+0.169
7回正中	2月27日		2月27日		2月28日		2月28日	
a b	+0.1736	−0.0459	+0.1100	+0.0997	+0.1926	−0.0917	+0.1578	−0.0104
a′ b′	−0.9151	−0.4032	−0.9170	−0.3989	−0.9193	−0.3935	−0.9240	−0.3824
FK3番号	390		393		394		396	

本初子午線正中時

星名	203 G.Cari		9 H.Drac		44 Hyda		37 UMaj	
等級	3.58	B5p	5.04	G5	5.32	K2	5.16	F0
スペトル型								
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 30	° ′ −61 24	h m 10 30	° ′ +75 58	h m 10 31	° ′ −23 28	h m 10 31	° ′ +57 20
	s	″	s	″	s	″	s	″
1 1.2	10.54 43	61.03 313	46.74 96	43.72 105	32.206 295	23.42 274	50.425 487	55.44 34
11.1	10.97 36	44.16 346	47.70 84	44.77 158	32.501 257	26.16 280	50.912 433	55.78 86
21.1	11.33 28	47.62 367	48.54 70	46.35 207	32.758 213	28.96 277	51.345 365	56.64 133
31.1	11.61 20	51.29 380	49.24 54	48.42 245	32.971 165	31.73 267	51.710 288	57.97 173
2 10.1	11.81 11	55.09 381	49.78 37	50.87 275	33.136 115	34.40 253	51.998 204	59.70 206
20.0	11.92 3	58.90 375	50.15 18	53.62 291	33.251 66	36.93 231	52.202 119	61.76 229
29.9	11.95 −4	62.65 359	50.33 0	56.53 297	33.317 20	39.24 208	52.321 35	64.05 240
3 10.9	11.91 12	66.24 337	50.33 −17	59.50 288	33.337 −21	41.32 180	52.356 −44	66.45 243
20.9	11.79 18	69.61 307	50.16 33	62.38 269	33.316 56	43.12 152	52.312 112	68.88 233
30.9	11.61 24	72.68 272	49.83 46	65.07 239	33.260 85	44.64 122	52.200 170	71.21 215
4 9.9	11.37 28	75.40 231	49.37 57	67.46 201	33.175 106	45.86 91	52.030 216	73.36 188
19.9	11.09 31	77.71 187	48.80 65	69.47 155	33.069 121	46.77 59	51.814 248	75.24 155
29.8	10.78 34	79.58 139	48.15 70	71.02 105	32.948 129	47.36 19	51.566 266	76.79 113
5 9.8	10.44 36	80.97 90	47.45 73	72.07 51	32.819 133	47.65 −7	51.300 273	77.94 74
19.8	10.08 36	81.87 38	46.72 72	72.58 −3	32.686 130	47.64 30	51.027 268	78.68 29
29.8	9.72 35	82.25 73	46.00 69	72.55 58	32.556 125	47.34 59	50.759 254	78.97 73
6 8.7	9.37 35	82.12 64	45.31 64	71.97 111	32.431 114	46.75 84	50.505 230	78.82 59
18.7	9.02 32	81.48 113	44.67 57	70.86 159	32.317 102	45.91 109	50.275 200	78.23 102
28.7	8.70 29	80.35 157	44.10 49	69.27 205	32.215 85	44.82 129	50.075 163	77.21 142
7 8.6	8.41 26	78.78 199	43.61 39	67.22 245	32.130 66	43.53 145	49.912 123	75.79 178
18.6	8.15 20	76.79 232	43.22 28	64.77 280	32.064 44	42.08 157	49.789 79	74.01 211
28.6	7.95 15	74.47 260	42.94 16	61.97 308	32.020 19	40.51 164	49.710 31	71.90 239
8 7.6	7.80 9	71.87 278	42.78 −5	58.89 331	32.001 −8	38.87 164	49.679 −19	69.51 264
17.5	7.71 2	69.09 288	42.73 −8	55.58 346	32.009 40	37.23 157	49.698 71	66.87 282
27.5	7.69 −6	66.21 286	42.81 21	52.12 356	32.049 73	35.66 144	49.769 126	64.05 298
9 6.5	7.75 13	63.35 273	43.02 34	48.56 357	32.122 110	34.22 123	49.895 182	61.07 306
16.5	7.88 21	60.62 250	43.36 46	44.99 352	32.232 148	32.99 97	50.077 238	58.01 304
26.4	8.09 29	58.12 217	43.82 59	41.47 339	32.380 188	32.02 62	50.315 297	54.92 307
10 6.4	8.38 36	55.95 172	44.41 70	38.08 320	32.568 226	31.40 24	50.612 352	51.85 298
16.4	8.74 43	54.23 121	45.11 81	34.88 291	32.794 262	31.16 −18	50.964 405	48.87 283
26.3	9.17 48	53.02 62	45.92 92	31.97 257	33.056 296	31.34 63	51.369 455	46.04 260
11 5.3	9.65 53	52.40 0	46.84 99	29.40 215	33.352 322	31.97 108	51.824 496	43.44 230
15.3	10.18 55	52.40 −64	47.83 105	27.25 166	33.674 341	33.05 150	52.320 527	41.14 195
25.3	10.73 55	53.04 128	48.88 109	25.59 112	34.015 351	34.55 190	52.847 548	39.19 152
12 5.2	11.28 55	54.32 188	49.97 109	24.47 54	34.366 349	36.45 223	53.395 552	37.67 104
15.2	11.83 51	56.20 243	51.06 109	23.93 −6	34.715 339	38.68 249	53.947 541	36.63 53
25.2	12.34 47	58.63 290	52.13 101	23.99 65	35.054 315	41.17 269	54.488 512	36.10 0
35.2	12.81	61.53	53.14	24.64	35.369	43.86	55.000	36.10 —
平均位	s 10.208	° 62.43	s 43.816	″ 54.29	s 32.311	″ 35.86	s 49.596	″ 64.22
Sec.&Tan.	+2.090	−1.835	+4.128	+4.005	+1.090	−0.434	+1.854	+1.561
2回正中	2月 28日		2月 28日		2月 29日		2月 29日	
a b	+0.1066	+0.1131	+0.2547	−0.2470	+0.1424	+0.0268	+0.1926	−0.0964
a′ b′	−0.9242	−0.3820	−0.9251	−0.3797	−0.9264	−0.3765	−0.9269	−0.3753
FK3番号	397		395		399		398	

本初子午線正中時

星名	τ Cham		†222 G.Velr m		225 G.Velr		33 Sext	
等級	4.10	M0	4.06	F2,A3	4.37	G0	6.40	K0
スペトル型								
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 34	° ′ −78 19	h m 10 35	° ′ −47 56	h m 10 37	° ′ −55 19	h m 10 38	° ′ −1 27
	s	″	s	″	s	″	s	″
1 1.2	53.82 86	52.48 291	6.656 349	59.30 308	13.988 390	34.75 308	45.300 295	57.94 210
11.1	54.68 71	55.39 332	7.005 300	62.38 333	14.378 333	37.83 339	45.595 242	60.04 199
21.1	55.39 53	58.71 362	7.305 243	65.71 348	14.711 268	41.22 358	45.837 221	62.01 179
31.1	55.92 35	62.33 383	7.548 182	69.19 354	14.979 198	44.80 369	46.018 177	63.80 156
2 10.1	56.27 17	66.16 393	7.730 118	72.73 351	15.177 125	48.49 370	46.255 130	65.36 132
20.0	56.44 −7	70.09 395	7.848 56	76.24 339	15.302 54	52.19 361	46.385 83	66.68 107
3 1.0	56.43 19	74.04 387	7.904 −3	79.63 320	15.356 −73	55.80 346	46.468 39	67.75 81
10.9	56.24 35	77.91 378	7.901 55	82.83 296	15.343 75	59.26 322	46.507 −2	68.56 57
20.9	55.89 50	81.61 345	7.846 102	85.79 265	15.268 129	62.48 293	46.505 35	69.13 35
30.9	55.39 64	85.06 315	7.744 142	88.44 230	15.139 176	65.41 258	46.470 63	69.48 14
4 9.9	54.75 74	88.21 276	7.602 172	90.74 192	14.963 213	67.99 219	46.407 84	69.62 −3
19.9	54.01 85	90.97 234	7.430 196	92.66 150	14.750 242	70.18 176	46.323 98	69.59 19
29.8	53.16 91	93.31 187	7.234 211	94.16 107	14.508 263	71.94 131	46.225 106	69.40 33
5 9.8	52.25 97	95.18 136	7.023 221	95.23 62	14.245 276	73.25 83	46.119 108	69.07 43
19.8	51.28 99	96.54 82	6.802 222	95.85 15	13.969 282	74.08 34	46.011 106	68.64 53
29.8	50.29 100	97.36 27	6.580 220	96.00 −29	13.687 279	74.42 −75	45.905 100	68.11 60
6 8.7	49.29 98	97.63 −28	6.360 210	95.71 73	13.408 269	74.27 63	45.805 90	67.51 66
18.7	48.31 94	97.35 82	6.150 194	94.98 116	13.139 253	73.64 109	45.715 78	66.85 70
28.7	47.37 86	96.53 134	5.956 175	93.82 153	12.886 230	72.55 152	45.637 62	66.15 72
7 8.7	46.51 78	95.19 180	5.781 148	92.29 188	12.656 199	71.03 191	45.575 46	65.43 70
18.6	45.73 65	93.39 223	5.633 117	90.41 215	12.457 162	69.12 222	45.529 27	64.73 68
28.6	45.08 52	91.16 257	5.516 81	88.26 237	12.295 118	66.90 248	45.502 5	64.05 61
8 7.6	44.56 36	88.59 284	5.435 39	85.89 249	12.177 68	64.42 265	45.497 −19	63.44 50
17.5	44.20 19	85.75 300	5.396 −7	83.40 254	12.109 12	61.77 272	45.516 45	62.94 38
27.5	44.01 0	82.75 306	5.403 58	80.86 249	12.097 −49	59.05 271	45.561 74	62.56 19
9 6.5	44.01 20	79.69 302	5.461 111	78.37 233	12.146 113	56.34 258	45.635 106	62.37 −7
16.5	44.21 38	76.67 284	5.572 166	76.04 209	12.259 180	53.76 235	45.741 140	62.38 26
26.4	44.59 57	73.83 255	5.738 222	73.95 174	12.439 245	51.41 201	45.881 175	62.64 53
10 6.4	45.16 75	71.28 217	5.960 275	72.21 130	12.684 309	49.40 159	46.056 210	63.17 82
16.4	45.91 89	69.11 167	6.235 325	70.91 81	12.993 366	47.81 109	46.266 244	63.99 111
26.4	46.80 101	67.44 111	6.560 367	70.10 25	13.359 415	46.72 51	46.510 276	65.10 148
11 5.3	47.81 110	66.33 48	6.927 401	69.85 −33	13.774 454	46.21 −9	46.786 303	66.50 185
15.3	48.91 115	65.85 −18	7.328 423	70.18 92	14.228 478	46.30 72	47.089 323	68.15 188
25.3	50.06 116	66.03 84	7.751 432	71.10 150	14.706 488	47.02 132	47.412 335	70.03 205
12 5.2	51.22 113	66.87 148	8.193 428	72.60 203	15.194 482	48.34 191	47.747 338	72.08 216
15.2	52.35 105	68.35 210	8.611 409	74.63 250	15.676 460	50.25 242	48.085 331	74.24 220
25.2	53.40 94	70.45 263	9.020 378	77.13 290	16.136 423	52.67 287	48.416 312	76.44 217
35.2	54.34	73.08	9.398	80.03	16.559	55.54	48.728	78.61
平均位	s 52.224	″ 76.17	s 6.648	″ 78.17	s 13.895	″ 55.21	s 45.423	° 63.64
Sec.&Tan.	+4.947	−4.845	+1.493	−1.109	+1.758	−1.446	+1.000	−0.026
2回正中	3月 1日		3月 1日		3月 1日		3月 2日	
a b	+0.0361	+0.3010	+0.1266	+0.0689	+0.1193	+0.0902	+0.1527	+0.0016
a′ b	−0.9318	−0.3630	−0.9322	−0.3620	−0.9355	−0.3533	−0.9378	−0.3471
FK3番号	401		400		402		404	

本初子午線正中時

星名	35 H.U Maj		41 L Min		ϑ Cari		42 L Min	
等級	5.23		5.05		3.03		5.37	
スペクトル型	K0		A2		B0		B9	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 10 39	° ′ +69 20	h m 10 40	° ′ +23 27	h m 10 41	° ′ −64 6	h m 10 42	° ′ +30 57
	s	″	s	″	s	″	s	″
1 1.2	24.08 70	45.41 71	35.571 324	38.46 116	6.05 48	55.27 303	58.761 344	20.36 86
11.1	24.78 63	46.12 125	35.845 291	37.30 81	6.53 40	58.30 337	59.105 310	19.50 47
21.1	25.41 53	47.37 175	36.136 248	36.49 47	6.93 32	61.67 364	59.415 264	19.03 8
31.1	25.94 41	49.12 218	36.384 200	36.02 13	7.25 24	65.31 379	59.679 215	18.95 29
2 10.1	26.35 30	51.30 249	36.584 149	35.89 19	7.49 14	69.10 385	59.894 160	19.24 63
20.0	26.65 17	53.79 271	36.733 97	36.08 48	7.63 5	72.95 380	60.054 104	19.87 92
3 1.0	26.82 4	56.50 281	36.830 47	36.56 71	7.68 3	76.75 370	60.158 52	20.79 114
10.9	26.86 8	59.31 278	36.877 2	37.27 89	7.65 11	80.45 348	60.210 2	21.93 129
20.9	26.78 18	62.09 264	36.879 37	38.16 100	7.54 18	83.93 322	60.212 40	23.22 137
30.9	26.60 28	64.73 241	36.842 70	39.16 106	7.36 24	87.15 288	60.172 76	24.59 138
4 9.9	26.32 36	67.14 207	36.772 93	40.22 105	7.12 29	90.03 250	60.096 102	25.97 132
19.9	25.96 41	69.21 166	36.679 111	41.27 101	6.83 34	92.53 206	59.994 122	27.29 122
29.8	25.55 45	70.87 120	36.568 120	42.28 91	6.49 36	94.59 160	59.872 133	28.51 105
5 9.8	25.10 46	72.07 71	36.448 123	43.19 79	6.13 39	96.19 110	59.739 136	29.56 85
19.8	24.64 47	72.78 19	36.325 120	43.98 63	5.74 40	97.29 58	59.603 134	30.41 63
29.8	24.17 44	72.97 33	36.205 112	44.61 47	5.34 40	97.87 7	59.469 126	31.04 39
6 8.7	23.73 42	72.64 83	36.093 101	45.08 28	4.94 39	97.94 46	59.343 114	31.43 14
18.7	23.31 37	71.81 131	35.992 86	45.36 9	4.55 37	97.48 96	59.229 98	31.57 11
28.7	22.94 32	70.50 177	35.906 68	45.45 11	4.18 34	96.52 143	59.131 79	31.46 37
7 8.7	22.62 26	68.73 217	35.838 49	45.34 30	3.84 30	95.09 186	59.052 58	31.09 62
18.6	22.36 18	66.56 253	35.789 26	45.04 50	3.54 25	93.23 223	58.994 33	30.47 86
28.6	22.18 11	64.03 283	35.763 3	44.54 69	3.29 19	91.00 254	58.961 8	29.61 109
8 7.6	22.07 3	61.20 309	35.760 24	43.85 90	3.10 13	88.46 275	58.953 20	28.52 131
17.5	22.04 5	58.11 327	35.784 51	42.95 109	2.97 5	85.71 288	58.973 50	27.21 152
27.5	22.09 13	54.84 339	35.835 83	41.86 129	2.92 3	82.83 290	59.023 84	25.69 172
9 6.5	22.22 23	51.45 346	35.918 116	40.57 148	2.95 11	79.93 282	59.107 119	23.97 190
16.5	22.45 31	47.99 345	36.034 150	39.09 166	3.06 21	77.11 261	59.226 155	22.07 205
26.4	22.76 40	44.54 338	36.184 187	37.43 182	3.27 29	74.50 230	59.381 194	20.02 219
10 6.4	23.16 48	41.16 323	36.371 224	35.61 197	3.56 37	72.20 189	59.575 234	17.83 228
16.4	23.64 56	37.93 300	36.595 260	33.64 208	3.93 45	70.31 139	59.809 271	15.55 234
26.4	24.20 64	34.93 271	36.855 294	31.56 216	4.38 51	68.92 82	60.080 307	13.21 235
11 5.3	24.84 70	32.22 233	37.149 323	29.40 217	4.89 56	68.10 20	60.387 338	10.86 230
15.3	25.54 74	29.89 189	37.472 345	27.23 214	5.45 59	67.90 44	60.725 363	8.56 218
25.3	26.28 78	28.00 139	37.817 361	25.09 203	6.04 60	68.34 109	61.088 379	6.38 200
12 5.2	27.06 78	26.61 84	38.178 365	23.06 187	6.64 59	69.43 171	61.467 385	4.38 176
15.2	27.84 77	25.77 27	38.543 359	21.19 165	7.23 57	71.14 227	61.852 379	2.62 146
25.2	28.61 74	25.50 33	38.902 342	19.54 136	7.80 51	73.41 277	62.231 362	1.16 111
35.2	29.35	25.83	39.244	18.18	8.31	76.18	62.593	0.05
中位	s 22.420	″ 56.00	s 35.494	″ 40.26	s 5.793	″ 77.39	s 58.661	″ 24.25
Sec δ Tan δ	+2.836	+2.653	+1.090	+0.434	+2.291	−2.061	+1.166	+0.600
2回正中	3月 2日		3月 2日		3月 2日		3月 3日	
a b	+0.2143	−0.1661	+0.1632	−0.0272	+0.1070	+0.1294	+0.1665	−0.0378
a′ b′	−0.9388	−0.3446	−0.9406	−0.3396	−0.9413	−0.3375	−0.9441	−0.3298
FK3番号	403		405		406		407	

本初子午線正中時

星名	+ μ Velr		δ² Cham		53 Leon		ν Hyda	
等級	2.84		4.62		5.27		3.32	
スペクトル型	G5		B3		A0		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 10 44	° ′ −49 8	h m 10 45	° ′ −80 15	h m 10 46	° ′ +10 48	h m 10 47	° ′ −15 55
	s	″	s	″	s	″	s	″
1 1.2	31.577 365	22.21 302	20.74 104	32.89 278	31.386 308	76.86 168	3.222 300	5.69 252
11.1	31.942 316	25.23 330	21.78 88	35.67 320	31.694 276	75.18 145	3.522 267	8.21 252
21.1	32.258 260	28.53 346	22.66 68	38.87 354	31.970 237	73.73 117	3.789 226	10.73 245
31.1	32.518 199	31.99 355	23.34 47	42.41 378	32.207 193	72.56 88	4.015 182	13.18 232
2 10.1	32.717 135	35.54 353	23.81 25	46.19 392	32.400 144	71.68 59	4.197 133	15.50 214
20.0	32.852 71	39.07 344	24.06 4	50.11 395	32.544 97	71.09 32	4.330 87	17.64 192
3 1.0	32.923 12	42.51 327	24.10 17	54.06 391	32.641 50	70.77 6	4.417 42	19.56 168
10.9	32.935 43	45.78 304	23.93 36	57.97 377	32.691 9	70.71 16	4.459 2	21.24 142
20.9	32.892 91	48.82 275	23.57 55	61.74 356	32.700 27	70.87 34	4.461 33	22.66 115
30.9	32.801 132	51.57 241	23.02 72	65.30 326	32.673 57	71.21 48	4.428 63	23.81 89
4 9.9	32.669 166	53.98 204	22.30 85	68.56 292	32.616 79	71.69 57	4.365 84	24.70 63
19.9	32.503 191	56.02 163	21.45 98	71.48 249	32.537 95	72.26 63	4.281 100	25.33 37
29.8	32.312 210	57.65 120	20.47 107	73.97 205	32.442 105	72.89 65	4.181 111	25.70 12
5 9.8	32.102 221	58.85 75	19.40 115	76.02 154	32.337 108	73.54 65	4.070 114	25.82 77
19.8	31.881 226	59.60 28	18.25 119	77.56 101	32.229 106	74.19 62	3.956 115	25.71 34
29.8	31.655 225	59.88 77	17.06 120	78.57 47	32.123 101	74.81 58	3.841 111	25.37 55
6 8.7	31.430 218	59.71 61	15.86 120	79.04 70	32.022 91	75.39 51	3.730 104	24.82 75
18.7	31.212 205	59.10 105	14.66 115	78.94 63	31.931 79	75.90 43	3.626 93	24.07 91
28.7	31.007 186	58.05 144	13.51 108	78.31 117	31.852 65	76.33 34	3.533 79	23.16 106
7 8.7	30.821 161	56.61 180	12.43 97	77.14 166	31.787 47	76.67 23	3.454 63	22.10 116
18.6	30.660 131	54.81 209	11.46 84	75.48 209	31.740 29	76.90 10	3.391 45	20.94 124
28.6	30.529 96	52.72 232	10.62 68	73.39 248	31.711 7	77.00 2	3.346 23	19.70 127
8 7.6	30.433 53	50.40 248	9.94 50	70.91 276	31.704 16	76.98 19	3.323 2	18.43 124
17.5	30.380 8	47.92 254	9.44 29	68.15 296	31.720 43	76.79 35	3.325 30	17.19 116
27.5	30.372 45	45.38 251	9.15 7	65.19 305	31.763 71	76.44 55	3.355 61	16.03 102
9 6.5	30.417 99	42.87 239	9.08 17	62.14 304	31.834 103	75.89 76	3.416 95	15.01 83
16.5	30.516 156	40.48 215	9.25 39	59.10 290	31.937 136	75.13 97	3.511 131	14.18 57
26.4	30.672 215	38.33 183	9.64 62	56.20 264	32.073 172	74.16 120	3.642 170	13.61 27
10 6.4	30.887 270	36.50 141	10.26 83	53.56 229	32.245 207	72.96 142	3.812 207	13.34 8
16.4	31.157 323	35.09 92	11.09 102	51.27 182	32.452 243	71.54 163	4.019 245	13.42 46
26.4	31.480 368	34.17 38	12.11 117	49.45 127	32.695 276	69.91 181	4.264 278	13.88 85
11 5.3	31.848 404	33.79 20	13.28 128	48.18 66	32.971 304	68.10 196	4.542 306	14.73 122
15.3	32.252 430	33.99 80	14.56 135	47.52 1	33.275 327	66.14 205	4.848 329	15.95 160
25.3	32.682 442	34.79 138	15.91 138	47.51 66	33.602 341	64.09 210	5.177 342	17.55 191
12 5.2	33.124 439	36.17 192	17.29 134	48.17 130	33.943 346	61.99 206	5.519 344	19.46 217
15.2	33.563 423	38.09 241	18.63 126	49.47 193	34.289 341	59.93 198	5.863 337	21.63 238
25.2	33.986 394	40.50 283	19.89 115	51.40 248	34.630 325	57.95 182	6.200 319	24.01 250
35.2	34.380	43.33	21.04	53.88	34.955	56.13	6.519	26.51
中位	s 31.650	″ 41.52	s 19.117	″ 57.03	s 31.489	″ 75.11	s −3.424	″ 15.85
Sec δ Tan δ	+1.529	−1.156	+5.915	−5.830	+1.018	+0.191	+1.040	−0.285
2回正中	3月 3日		3月 3日		3月 3日		3月 4日	
a b	+0.1284	+0.0729	+0.0289	+0.3682	+0.1574	−0.0121	+0.1474	+0.0181
a′ b′	−0.9463	−0.3234	−0.9474	−0.3201	−0.9491	−0.3151	−0.9498	−0.3129
FK3番号	408		411		409		410	

本初子午線正中時

星名	46 L Min		ι Antl		Br 1508 Drac		239 G. Velr	
等級	3.92	K0	4.70	K0	6.26	G5	4.56	A2
スペクトル型								
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 50	° ′ +34 29	h m 10 54	° ′ −36 51	h m 10 55	° ′ +78 2	h m 10 57	° ′ −41 56
1 12	s 24.636	″ 39.32	s 17.152	″ 11.72	s 54.34	″ 45.38	s 45.503	″ 30.12
	359	79	332	287	115	77	350	289
11.2	24.995	38.53	17.484	14.59	55.49	46.15	45.853	33.01
	325	36	295	306	103	135	309	313
21.1	25.320	38.17	17.779	17.65	56.52	47.50	46.162	36.14
	280	5	248	317	89	188	261	327
31.1	25.600	38.22	18.027	20.82	57.41	49.38	46.423	39.41
	229	44	196	318	71	233	207	332
2 10.1	25.829	38.66	18.223	24.00	58.12	51.71	46.630	42.73
	173	80	144	311	52	267	150	330
20.0	26.002	39.46	18.367	27.11	58.64	54.38	46.780	46.03
	117	110	89	299	31	290	94	318
3 1.0	26.119	40.56	18.456	30.10	58.95	57.28	46.874	49.21
	61	132	40	279	10	301	40	302
10.9	26.180	41.88	18.496	32.89	59.05	60.29	46.914	52.23
	9	148	8	255	10	299	9	279
20.9	26.189	43.36	18.488	35.44	58.95	63.28	46.905	55.02
	35	155	48	227	30	264	53	251
30.9	26.154	44.91	18.440	37.71	58.65	66.12	46.852	57.53
	74	154	83	195	46	260	91	220
4 9.9	26.080	46.45	18.357	39.66	58.19	68.72	46.761	59.73
	103	147	110	162	61	224	121	185
19.9	25.977	47.92	18.247	41.28	57.58	70.96	46.640	61.58
	125	133	133	125	72	182	144	147
29.9	25.852	49.25	18.114	42.53	56.86	72.78	46.496	63.05
	137	115	146	88	80	132	163	108
5 9.8	25.715	50.40	17.968	43.41	56.06	74.10	46.333	64.13
	144	92	157	50	84	80	174	67
19.8	25.571	51.32	17.811	43.91	55.22	74.90	46.159	64.80
	142	66	160	11	87	24	179	24
29.8	25.429	51.98	17.651	44.02	54.35	75.14	45.980	65.06
	136	39	160	26	85	31	181	13
6 8.7	25.293	52.37	17.491	43.76	53.50	74.83	45.799	64.91
	124	11	154	63	82	86	176	56
18.7	25.169	52.48	17.337	43.13	52.68	73.97	45.623	64.35
	109	18	144	98	75	137	167	94
28.7	25.060	52.30	17.193	42.15	51.93	72.60	45.456	63.41
	90	47	131	129	67	187	153	129
7 8.7	24.970	51.83	17.062	40.86	51.26	70.73	45.303	62.12
	69	75	113	157	57	231	134	161
18.6	24.901	51.08	16.949	39.29	50.69	68.42	45.169	60.51
	45	101	91	180	45	269	110	188
28.6	24.856	50.07	16.858	37.49	50.24	65.73	45.059	58.63
	18	127	64	197	33	303	83	208
8 7.6	24.838	48.80	16.794	35.52	49.91	62.70	44.976	56.55
	11	150	33	207	19	330	48	222
17.6	24.849	47.30	16.761	33.45	49.72	59.40	44.928	54.33
	42	172	2	209	5	349	9	227
27.5	24.891	45.58	16.763	31.36	49.67	55.91	44.919	52.06
	76	193	42	203	10	363	33	223
9 6.5	24.967	43.65	16.805	29.33	49.77	52.28	44.952	49.83
	112	211	86	189	25	370	81	211
16.5	25.079	41.54	16.891	27.44	50.02	48.58	45.033	47.72
	151	226	131	166	40	368	131	189
26.4	25.230	39.28	17.022	25.78	50.42	44.90	45.164	45.83
	192	238	179	133	55	360	183	159
10 6.4	25.422	36.90	17.201	24.45	50.97	41.30	45.347	44.24
	232	246	226	95	70	343	233	119
16.4	25.654	34.44	17.427	23.50	51.67	37.87	45.580	43.05
	272	250	270	50	83	318	282	74
26.4	25.926	31.94	17.697	23.00	52.50	34.69	45.862	42.31
	311	248	312	0	97	286	326	23
11 5.3	26.237	29.46	18.009	23.00	53.47	31.83	46.188	42.08
	343	240	345	52	107	246	361	32
15.3	26.580	27.06	18.354	23.52	54.54	29.37	46.549	42.40
	371	226	369	104	116	199	389	86
25.3	26.951	24.80	18.723	24.56	55.70	27.38	46.938	43.26
	389	204	384	154	122	145	403	140
12 5.3	27.340	22.76	19.107	26.10	56.92	25.93	47.341	44.66
	396	177	387	200	124	86	407	191
15.2	27.736	20.99	19.494	28.10	58.16	25.07	47.748	46.57
	393	144	376	240	124	26	396	234
25.2	28.129	19.55	19.870	30.50	59.40	24.81	48.144	48.91
	376	105	355	273	119	37	373	272
35.2	28.505	18.50	20.225	33.23	60.59	25.18	48.517	51.63
中位	s 24.523	″ 44.38	s 17.388	″ 28.08	s 57.187	″ 57.43	s 45.752	″ 47.85
Sec δ Tan δ	+1.213	+0.687	+1.250	−0.750	+4.830	+4.725	+1.345	−0.899
2回正中	3月 4日		3月 5日		3月 6日		3月 6日	
a b	+0.1670	−0.0437	+0.1392	+0.0479	+0.2404	−0.3027	+0.1373	+0.0577
a′ b′	−0.9543	−0.2990	−0.9592	−0.2828	−0.9611	−0.2763	−0.9634	−0.2682
FK3番号	412		414		413		415	

本初子午線正中時

星名	β UMaj		α UMaj		χ Leon		χ′ Hyda	
等級	2.44	A0	1.95	K0	4.66	F0	5.06	F5
スペクトル型								
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 10 58	° ′ +56 39	h m 11 0	° ′ +62 1	h m 11 2	° ′ +7 36	h m 11 2	° ′ −27 0
1 12	s 43.618	″ 31.65	s 33.00	″ 44.81	s 17.902	″ 65.48	s 49.049	″ 31.40
	499	0	57	18	312	184	320	270
11.2	44.117	31.65	33.57	44.99	20.214	63.64	49.369	34.10
	463	55	51	73	283	164	286	282
21.1	44.570	32.20	34.08	45.72	20.497	62.00	49.655	36.92
	394	106	45	127	246	139	246	284
31.1	44.964	33.26	34.53	46.99	20.743	60.61	49.901	39.76
	324	152	37	173	203	111	199	280
2 10.1	45.288	34.78	34.90	48.72	20.946	59.50	50.100	42.56
	245	190	28	211	157	82	150	270
20.1	45.533	36.68	35.18	50.83	21.103	58.68	50.250	45.26
	162	219	18	239	111	54	102	252
3 1.0	45.695	38.87	35.36	53.22	21.214	58.14	50.352	47.78
	81	237	9	258	65	28	54	232
10.9	45.776	41.24	35.45	55.80	21.279	57.86	50.406	50.10
	3	246	0	263	24	4	12	207
20.9	45.779	43.70	35.45	58.43	21.303	57.82	50.418	52.17
	68	243	9	258	13	16	26	180
30.9	45.711	46.13	35.36	61.01	21.290	57.98	50.392	53.97
	130	231	16	243	43	33	58	152
4 9.9	45.581	48.44	35.20	63.44	21.247	58.31	50.334	55.49
	179	209	22	218	67	45	84	121
19.9	45.402	50.53	34.98	65.62	21.180	58.76	50.250	56.70
	218	179	27	185	84	54	103	89
29.9	45.184	52.32	34.71	67.47	21.096	59.30	50.147	57.59
	244	143	30	146	96	59	117	59
5 9.8	44.940	53.75	34.41	68.93	21.000	59.89	50.030	58.18
	258	103	32	102	102	62	126	27
19.8	44.682	54.78	34.09	69.95	20.898	60.51	49.904	58.45
	262	59	32	55	103	63	129	4
29.8	44.420	55.37	33.77	70.50	20.795	61.14	49.775	58.41
	255	15	32	7	100	60	130	35
6 8.8	44.165	55.52	33.45	70.57	20.695	61.74	49.645	58.06
	240	31	30	42	93	56	125	63
18.7	43.925	55.21	33.15	70.15	20.602	62.30	49.520	57.43
	219	74	28	88	84	51	118	89
28.7	43.706	54.47	32.87	69.27	20.518	62.81	49.402	56.54
	189	118	24	134	73	44	106	114
7 8.7	43.517	53.29	32.63	67.93	20.445	63.25	49.296	55.40
	156	157	21	175	57	36	91	135
18.6	43.361	51.72	32.42	66.18	20.388	63.61	49.205	54.05
	118	193	15	213	41	25	74	150
28.6	43.243	49.79	32.27	64.05	20.347	63.86	49.131	52.55
	76	226	11	247	22	12	51	162
8 7.6	43.167	47.53	32.16	61.58	20.325	63.98	49.080	50.93
	29	255	5	276	0	2	25	167
17.6	43.138	44.98	32.11	58.82	20.325	63.96	49.055	49.26
	19	279	0	300	26	19	3	166
27.5	43.157	42.19	32.11	55.82	20.351	63.77	49.060	47.60
	71	297	7	318	53	37	39	157
9 6.5	43.228	39.22	32.18	52.64	20.404	63.40	49.099	46.03
	127	312	14	331	85	58	76	141
16.5	43.355	36.10	32.32	49.33	20.489	62.82	49.175	44.62
	183	319	20	337	118	81	117	118
26.5	43.538	32.91	32.52	45.96	20.607	62.01	49.292	43.44
	243	322	26	337	155	105	160	87
10 6.4	43.781	29.69	32.78	42.59	20.762	60.96	49.452	42.57
	301	318	34	330	192	129	203	52
16.4	44.082	26.51	33.12	39.29	20.954	59.67	49.655	42.05
	358	306	40	315	228	152	244	10
26.4	44.440	23.45	33.52	36.14	21.182	58.15	49.899	41.95
	412	288	47	294	263	174	283	34
11 5.3	44.852	20.57	33.99	33.20	21.445	56.41	50.182	42.29
	460	262	52	263	294	191	315	80
15.3	45.312	17.95	34.51	30.57	21.739	54.50	50.497	43.09
	499	228	56	226	318	205	341	124
25.3	45.811	15.67	35.07	28.31	22.057	52.45	50.838	44.33
	526	187	60	182	336	213	357	167
12 5.3	46.337	13.80	35.67	26.49	22.393	50.32	51.195	46.00
	540	141	61	132	343	214	361	205
15.2	46.877	12.39	36.28	25.17	22.736	48.18	51.556	48.05
	538	90	61	77	340	209	356	236
25.2	47.415	11.49	36.89	24.40	23.076	46.09	51.912	50.41
	519	36	59	20	328	197	339	261
35.2	47.934	11.13	37.48	24.20	23.404	44.12	52.251	53.02
中位	s 43.000	″ 41.66	s 32.131	″ 55.69	s 20.105	″ 63.08	s 49.361	″ 44.95
Sec δ Tan δ	+1.820	+1.520	+2.132	+1.883	+1.009	+0.134	+1.122	−0.510
2回正中	3月 7日		3月 7日		3月 8日		3月 8日	
a b	+0.1801	−0.0977	+0.1856	−0.1214	+0.1556	−0.0086	+0.1449	+0.0329
a′ b′	−0.9646	−0.2642	−0.9665	−0.2566	−0.9685	−0.2490	−0.9690	−0.2469
FK3番号	416		417		418		419	

本初子午線正中時

星名	ψ U Maj		β Crat		δ Leon		ϑ Leon	
等級 スペクトル型	3.15	K0	4.52	A2	2.58	A3	3.41	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 11 6	° ′ +44 46	h m 11 9	° ′ −22 32	h m 11 11	° ′ +20 48	h m 11 11	° ′ +15 42
1 12	s 45.054 411	″ 43.63 53	s 5.484 318	″ 17.60 261	s 20.554 335	″ 30.12 144	s 30.570 326	″ 50.37 162
11.2	45.465 376	43.10 4	5.802 287	20.21 268	20.889 306	28.68 113	30.896 298	48.75 134
21.1	45.841 330	43.06 45	6.089 249	22.89 269	21.195 268	27.55 76	31.194 261	47.41 102
31.1	46.171 275	43.51 89	6.338 204	25.58 261	21.463 226	26.79 42	31.455 219	46.29 69
2 10.1	46.446 213	44.40 129	6.542 157	28.19 249	21.689 177	26.37 7	31.674 172	45.90 37
20.1	46.659 148	45.69 161	6.699 110	30.68 230	21.866 128	26.30 23	31.846 125	45.33 6
3 1.0	46.807 85	47.30 185	6.809 63	32.98 209	21.994 80	26.55 52	31.971 78	45.27 22
10.9	46.892 25	49.15 199	6.872 23	35.07 184	22.074 34	27.07 75	32.049 34	45.49 44
20.9	46.917 30	51.14 204	6.895 15	36.91 158	22.108 5	27.82 90	32.083 4	45.93 62
30.9	46.887 98	53.18 200	6.880 47	38.49 130	22.103 40	28.72 101	32.079 37	46.55 76
4 9.9	46.809 115	55.18 187	6.833 71	39.79 102	22.063 66	29.73 105	32.042 63	47.31 83
19.9	46.694 145	57.05 168	6.762 92	40.81 74	21.997 87	30.78 104	31.979 83	48.14 86
29.9	46.549 165	58.73 141	6.670 105	41.55 45	21.910 101	31.82 98	31.896 95	49.00 85
5 9.8	46.384 176	60.14 111	6.565 114	42.00 18	21.809 109	32.80 89	31.801 104	49.85 80
19.8	46.208 179	61.25 77	6.451 118	42.18 10	21.700 111	33.69 77	31.697 105	50.65 73
29.8	46.029 176	62.02 40	6.333 119	42.08 36	21.589 110	34.46 61	31.592 104	51.38 62
6 8.8	45.853 166	62.42 3	6.214 115	41.72 61	21.479 103	35.07 45	31.488 99	52.00 50
18.7	45.687 151	62.45 34	6.099 109	41.11 84	21.376 95	35.52 26	31.389 90	52.50 38
28.7	45.536 132	62.11 72	5.990 99	40.27 104	21.281 82	35.78 8	31.299 79	52.88 22
7 8.7	45.404 109	61.39 106	5.891 85	39.23 121	21.199 67	35.86 13	31.220 64	53.10 7
18.6	45.295 82	60.33 140	5.806 69	38.02 135	21.132 50	35.73 32	31.156 48	53.17 10
28.6	45.213 52	58.93 170	5.737 49	36.67 143	21.082 30	35.41 53	31.108 29	53.07 28
8 7.6	45.161 20	57.23 199	5.688 24	35.24 145	21.052 7	34.88 74	31.079 7	52.79 47
17.6	45.141 13	55.24 224	5.664 3	33.79 143	21.045 19	34.14 96	31.072 18	52.32 61
27.5	45.157 56	53.00 245	5.667 36	32.36 133	21.064 48	33.18 116	31.090 47	51.66 86
9 6.5	45.213 98	50.55 264	5.703 71	31.03 117	21.112 80	32.02 138	31.137 98	50.80 108
16.5	45.311 142	47.91 277	5.774 110	29.86 94	21.192 116	30.64 159	31.215 112	49.72 130
26.5	45.453 189	45.14 287	5.884 151	28.92 64	21.308 153	29.05 178	31.327 150	48.42 151
10 6.4	45.642 237	42.27 291	6.035 193	28.28 31	21.461 191	27.27 196	31.477 187	46.91 171
16.4	45.879 284	39.36 288	6.228 234	27.97 9	21.652 231	25.31 211	31.664 226	45.20 189
26.4	46.163 330	36.48 280	6.462 272	28.06 50	21.883 268	23.20 222	31.890 262	43.31 205
11 5.3	46.493 370	33.68 264	6.734 305	28.56 93	22.151 301	20.98 228	32.152 294	41.26 215
15.3	46.863 403	31.04 241	7.039 331	29.44 133	22.452 329	18.70 229	32.446 322	39.11 222
25.3	47.266 428	28.63 211	7.370 349	30.82 173	22.781 349	16.41 222	32.768 342	36.89 220
12 5.3	47.694 441	26.52 174	7.719 355	32.55 205	23.130 359	14.19 210	33.110 351	34.69 213
15.2	48.135 441	24.78 132	8.074 351	34.60 234	23.489 360	12.09 190	33.461 351	32.56 200
25.2	48.576 427	23.46 86	8.425 335	36.94 254	23.849 348	10.19 165	33.812 340	30.56 179
35.2	49.003	22.60	8.760	39.48	24.197	8.54	34.152	28.77
平均 Sec δ Tan δ	s 44.845 +1.409	″ 51.75 +0.192	s 5.834 +1.083	″ 29.74 −0.415	s 20.707 +1.070	″ 32.09 +0.380	s 30.766 +1.039	″ 50.77 +0.281
2回正中	3月 9日		3月 9日		3月 10日		3月 10日	
a b	+0.1686	−0.0644	+0.1472	+0.0270	+0.1587	−0.0248	+0.1573	−0.0183
a′ b′	−0.9731	−0.2303	−0.9954	−0.2203	−0.9776	−0.2107	−0.9777	−0.2100
FK3番号	420		421		422		423	

本初子午線正中時

星名	Grb 1757 U Maj		ν U Maj		δ Crat		σ Leon	
等級 スペクトル型	5.97	K0	3.71	K0	3.82	K0	4.13	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 11 13	° ′ +49 45	h m 11 15	° ′ +33 22	h m 11 16	° ′ −14 29	h m 11 18	° ′ +6 18
1 12	s 46.809 446	″ 27.88 43	s 40.424 367	″ 36.19 103	s 43.918 316	″ 39.32 243	s 27.003 319	″ 55.09 193
11.2	47.255 410	27.45 10	40.791 328	35.16 61	44.234 287	41.75 244	27.322 292	53.16 174
21.1	47.665 361	27.55 62	41.129 297	34.55 17	44.521 251	44.19 237	27.614 257	51.42 150
31.1	48.026 304	28.17 108	41.426 251	34.38 23	44.772 210	46.56 225	27.871 217	49.92 122
2 10.1	48.330 237	29.25 150	41.677 198	34.63 64	44.982 164	48.81 208	28.088 172	48.70 93
20.1	48.567 168	30.75 183	41.875 144	35.27 98	45.146 119	50.89 186	28.260 127	47.77 64
3 1.0	48.735 98	32.58 207	42.019 90	36.25 124	45.265 74	52.75 163	28.387 82	47.13 38
11.0	48.833 32	34.65 222	42.109 38	37.49 144	45.339 34	54.38 139	28.469 40	46.75 12
20.9	48.865 29	36.87 225	42.147 8	38.93 156	45.373 2	55.77 113	28.509 3	46.63 8
30.9	48.836 83	39.12 219	42.139 47	40.49 160	45.371 34	56.90 88	28.512 28	46.71 27
4 9.9	48.753 126	41.31 205	42.092 79	42.09 157	45.337 58	57.78 63	28.484 53	46.98 41
19.9	48.627 161	43.36 182	42.013 105	43.66 146	45.279 78	58.41 39	28.431 72	47.39 51
29.9	48.466 185	45.18 153	41.908 121	45.12 130	45.201 91	58.80 17	28.359 86	47.90 57
5 9.8	48.281 200	46.71 118	41.787 132	46.42 109	45.110 100	58.97 4	28.273 95	48.47 62
19.8	48.081 206	47.89 81	41.655 136	47.51 86	45.010 106	58.93 25	28.178 98	49.09 63
29.8	47.875 204	48.70 41	41.519 135	48.37 58	44.904 106	58.68 44	28.080 98	49.72 61
6 8.8	47.671 195	49.11 7	41.384 128	48.95 31	44.798 103	58.24 61	27.982 94	50.33 59
18.7	47.476 181	49.10 41	41.256 118	49.26 1	44.695 98	57.63 77	27.888 88	50.92 55
28.7	47.295 160	48.69 82	41.138 104	49.27 29	44.597 90	56.86 90	27.800 78	51.47 48
7 8.7	47.135 135	47.87 121	41.034 86	48.98 57	44.507 77	55.96 100	27.722 67	51.95 39
18.7	47.000 107	46.66 156	40.948 67	48.41 86	44.430 63	54.96 107	27.655 51	52.34 30
28.6	46.893 75	45.10 190	40.881 44	47.55 114	44.367 45	53.89 110	27.604 35	52.64 18
8 7.6	46.818 38	43.20 220	40.837 18	46.41 139	44.322 23	52.79 108	27.569 13	52.82 4
17.6	46.780 0	41.00 246	40.819 11	45.02 164	44.299 3	51.71 102	27.556 10	52.86 12
27.5	46.780 44	38.54 268	40.830 43	43.38 188	44.302 31	50.69 90	27.566 37	52.74 32
9 6.5	46.824 90	35.86 287	40.873 79	41.50 208	44.333 66	49.79 72	27.603 68	52.42 52
16.5	46.914 139	32.99 300	40.952 118	39.42 226	44.399 101	49.07 50	27.671 103	51.90 74
26.5	47.053 191	29.99 307	41.070 159	37.16 241	44.500 141	48.57 22	27.774 139	51.16 100
10 6.4	47.244 243	26.92 310	41.229 201	34.75 253	44.641 180	48.35 11	27.913 176	50.16 123
16.4	47.487 294	23.82 305	41.430 244	32.22 259	44.821 221	48.46 45	28.089 215	48.93 148
26.4	47.781 345	20.77 293	41.674 285	29.63 261	45.042 258	48.91 81	28.304 252	47.45 171
11 5.4	48.126 390	17.84 275	41.959 322	27.02 256	45.300 291	49.72 118	28.556 285	45.74 190
15.3	48.516 427	15.09 248	42.281 353	24.46 244	45.591 318	50.90 153	28.841 312	43.84 205
25.3	48.943 455	12.61 214	42.634 376	22.02 226	45.909 337	52.43 183	29.153 332	41.79 215
12 5.3	49.398 472	10.47 173	43.010 389	19.76 200	46.246 344	54.26 209	29.485 342	39.64 218
15.2	49.870 474	8.74 127	43.399 391	17.76 167	46.592 344	56.35 229	29.827 343	37.46 215
25.2	50.344 461	7.47 77	43.790 381	16.09 131	46.936 331	58.64 241	30.170 332	35.31 204
35.2	50.805	6.90	44.171	14.78	47.267	61.05	30.502	33.27
平均 Sec δ Tan δ	s 44.524 +1.548	″ 37.33 +1.182	s 40.462 +1.198	″ 41.89 +0.659	s 44.298 +1.033	″ 48.79 −0.259	s 27.300 +1.006	″ 52.62 +0.111
2回正中	3月 10日		3月 11日		3月 11日		3月 12日	
a b	+0.1691	−0.0772	+0.1618	−0.0431	+0.1501	+0.0169	+0.1547	−0.0073
a′ b′	−0.9799	−0.2003	−0.9814	−0.1922	−0.9822	−0.1877	−0.9836	−0.1803
FK3番号	424		425		426		427	

本初子午線正中時

星名	π Cent		Grb1771UMaj		† i Leon		γ Crat	
等級	4.26		5.98		4.03		4.14	
スペクトル型	B5		A0		F5		A5	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m	° ′	h m	° ′	h m	° ′	h m	° ′
	11 18	−54 11	11 19	+64 36	11 21	+10 48	11 22	−17 23
	s	″	s	″	s	″	s	″
1 1.2	37.271	59.87	47.80	43.00	12.590	58.14	16.435	43.08
11.2	37.701 430	62.60 273	48.43 63	43.01 1	12.914 324	56.33 181	16.756 321	45.56 248
21.1	38.086 385	65.68 308	49.00 57	43.63 62	13.212 298	54.76 157	17.048 292	48.07 251
31.1	38.415 329	69.03 335	49.51 51	44.80 117	13.476 264	53.46 130	17.305 257	50.55 248
	267	351	43	167	223	99	215	238
2 10.1	38.682	72.54	49.94	46.47	13.699	52.47	17.520	52.93
20.1	38.882 200	76.13 359	50.28 34	48.56 209	13.877 178	51.79 68	17.690 170	55.16 223
	134	358	23	242	131	38	125	203
3 1.0	39.016 68	79.71 348	50.51	50.98	14.008 87	51.41 10	17.815 80	57.19
11.0	39.084 7	83.19 333	50.64 13	53.62 264	14.095 44	51.31 15	17.895 39	59.00 181
20.9	39.091 49	86.52 309	50.68 4	56.35 273	14.139 7	51.46 35	17.934 2	60.56 156
30.9	39.042 99	89.61 281	50.61 7 14	59.07 272 259	14.146 26	51.81 51	17.936 30	61.87 131 106
4 9.9	38.943	92.42	50.47	61.66	14.120	52.32	17.906	62.93
19.9	38.801 142	94.89 247	50.25 22	64.03 237	14.068 52	52.94 62	17.851 55	63.73 80
29.9	38.623 178	96.99 210	49.98 27	66.07 204	13.996 72	53.64 70	17.776 75	64.27 54
	207	168	32	166	86	73	90	31
5 9.8	38.416	98.67	49.66	67.73	13.910	54.37	17.686	64.58
19.8	38.187 229	99.92 125	49.31 35	68.96 123	13.815 95	55.09 72	17.585 101	64.65 7
29.8	37.943 244	100.71 79	48.95 36	69.70 74	13.716 99	55.79 70	17.479 106	64.49 16
	253	32	36	25	100	64	108	37
6 8.8	37.690	101.03	48.59	69.95	13.616	56.43	17.371	64.12
18.7	37.435 255	100.87 76	48.24 35	69.70 25	13.521 95	57.00 57	17.264 107	63.55 57
28.7	37.185 250	100.25 62	47.91 33	68.95 75	13.432 89	57.47 47	17.161 103	62.80 75
	239	106	30	122	80	37	94	91
7 8.7	37.946	99.19	47.61	67.73	13.352	57.84	17.067	61.89
18.7	36.726 220	97.72 147	47.35 26	66.06 167	13.284 68	58.09 25	16.983 84	60.85 104
28.6	36.533 193	95.88 184	47.13 22	63.97 209	13.231 53	58.21 12	16.913 70	59.72 113
	159	214	17	245	36	4	52	118
8 7.6	36.374	93.74	46.96	61.52	13.195	58.17	16.861	58.54
17.6	36.256 118	91.36 238	46.86 10	58.74 278	13.180 15	57.97 20	16.831 30	57.35 119
27.5	36.187 69	88.83 253	46.81 5	55.70 304	13.188 8	57.59 38	16.826 5	56.20 115
	13	259	2	326	36	58	25	104
9 6.5	36.174	86.24	46.83	52.44	13.224	57.01	16.851	55.16
16.5	36.222 48	83.70 254	46.92 9	49.03 341	13.291 67	56.21 80	16.910 59	54.29 87
26.5	36.336 114	81.29 241	47.09 17	45.53 350	13.392 101	55.19 102	17.006 96	53.63 66
	182	215	24	353	138	125	136	38
10 6.4	36.518	79.14	47.33	42.00	13.530	53.94	17.142	53.25
16.4	36.767 249	77.33 181	47.64 31	38.53 347	13.706 176	52.46 148	17.319 177	53.19 6
26.4	37.080 313	75.95 138	48.03 39	35.19 334	13.921 215	50.76 170	17.537 218	53.48 29
	372	86	47	313	252	189	257	68
11 5.4	37.452	75.09	48.50	32.06	14.173	48.87	17.794	54.16
15.3	37.872 420	74.78 31	49.03 53	29.22 284	14.459 286	46.83 204	18.086 292	55.21 105
25.3	38.330 458	75.07 29	49.61 58	26.74 248	14.772 313	44.67 216	18.405 319	56.64 143
	480	89	63	202	335	220	339	176
12 5.3	38.810	75.96	50.24	24.72	15.107	42.47	18.744	58.40
15.2	39.298 488	77.42 146	50.89 65	23.20 152	15.452 345	40.29 218	19.093 349	60.45 205
25.2	39.777 479	79.43 201	51.54 65	22.24 96	15.799 347	38.18 211	19.440 347	62.73 228
35.2	40.233 456	81.92 249	52.18 64	21.87 37	16.137 338	36.23 195	19.776 336	65.16 243
中位	s 37.684	″ 80.66	s 46.941	″ 55.10	s 12.873	″ 57.22	s 16.859	″ 53.45
Sec&Tan δ	+1.710	−1.387	+2.333	+2.108	+1.018	+0.191	+1.048	−0.313
2回正中	3月12日		3月12日		3月12日		3月13日	
a b	+0.1367	+0.0910	+0.1779	−0.1383	+0.1555	−0.0126	+0.1499	+0.0206
a′ b′	−0.9838	−0.1795	−0.9846	−0.1746	−0.9857	−0.1684	−0.9865	−0.1638
FK3番号	428		429		430		431	

本初子午線正中時

星名	58 U Maj		λ Drac		ξ Hyda		λ Cent	
等級	5.88		4.06		3.72		3.34	
スペクトル型	F8		M0		G5		B9	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m	° ′	h m	° ′	h m	° ′	h m	° ′
	11 27	+43 27	11 28	+69 36	11 30	−31 33	11 33	−62 43
	s	″	s	″	s	″	s	″
1 1.2	42.702	23.20	21.58	52.83	25.843	55.73	21.70	32.10
11.2	43.115 413	22.41 79	22.32 74	52.89 6	26.188 345	58.35 262	22.23 53	34.62 252
21.2	43.499 384	22.12 29	23.02 70	53.56 67	26.503 315	61.14 279	22.72 49	37.56 294
31.1	43.841 342	22.33 21	23.64 62	54.82 126	26.779 276	64.02 288	23.13 41	40.84 328
	291	69	53	177	233	291	35	353
2 10.1	44.132	23.02	24.17	56.59	27.012	66.93	23.48	44.37
20.1	44.366 234	24.13 111	24.58 41	58.80 221	27.196 184	69.78 285	23.74 26	48.04 367
	173	147	30	254	136	274	18	374
3 1.0	44.539	25.60	24.88	61.34	27.332	72.52	23.92	51.78
11.0	44.651 112	27.35 175	25.05 17	64.11 277	27.420 88	75.09 257	24.02 10	55.49 371
20.9	44.703 52	29.30 195	25.10 5	66.97 286	27.463 43	77.44 235	24.05 3	59.10 361
30.9	44.701 2	31.34 204	25.03 7	69.82 285	27.466 3	79.55 211	24.00 5	62.52 342
	50	204	18	272	32	184	11	318
4 9.9	44.651	33.38	24.85	72.54	27.434	81.39	23.89	65.70
19.9	44.560 91	35.34 196	24.59 26	75.01 247	27.372 62	82.93 154	23.72 17	68.57 287
29.9	44.438 122	37.14 180	24.24 35	77.16 215	27.286 86	84.17 124	23.50 22	71.08 251
	146	157	40	174	105	91	26	211
5 9.9	44.292	38.71	23.84	78.90	27.181	85.08	23.24	73.19
19.8	44.131 161	39.99 128	23.40 44	80.19 129	27.062 119	85.67 59	22.94 30	74.86 167
29.8	43.962 169	40.95 96	22.93 47	80.97 78	26.934 128	85.93 26	22.61 33	76.05 119
	170	61	47	27	134	7	34	70
6 8.8	43.792 165	41.56 24	22.46 46	81.24 26	26.800 135	85.86 39	22.27 36	76.75 19
18.7	43.627 156	41.80 73	22.00 44	80.98 78	26.665 133	85.47 69	21.91 35	76.94 32
28.7	43.471 141	41.67 51	21.56 41	80.20 128	26.532 126	84.78 97	21.56 34	76.62 80
7 8.7	43.330 123	41.16 87	21.15 36	78.92 175	26.406 116	83.81 123	21.22 33	75.82 128
18.7	43.207 101	40.29 123	20.79 31	77.17 218	26.290 101	82.58 143	20.89 29	74.54 170
28.6	43.106 75	39.06 155	20.48 24	74.99 257	26.189 82	81.15 161	20.60 25	72.84 208
8 7.6	43.031	37.51	20.24	72.42	26.107	79.54	20.35	70.76
17.6	42.986 45	35.66 185	20.06 18	69.52 290	26.050 57	77.83 171	20.15 20	68.38 238
27.6	42.974 12	33.52 214	19.96 10	66.33 319	26.022 28	76.08 175	20.01 14	65.77 261
	25	238	2	340	6	172	7	273
9 6.5	42.999	31.14	19.94	62.93	26.028	74.36	19.94	63.04
16.5	43.064 65	28.55 259	20.02 8	59.37 356	26.074 46	72.75 161	19.96 2	60.27 277
26.5	43.173 109	25.79 276	20.18 16	55.73 364	26.162 88	71.32 143	20.05 9	57.59 268
	157	289	25	366	134	117	19	249
10 6.4	43.330	22.90	20.43	52.07	26.296	70.15	20.24	55.10
16.4	43.534 204	19.94 296	20.78 35	48.48 359	26.478 182	69.31 84	20.51 27	52.91 219
26.4	43.787 253	16.97 297	21.22 44	45.02 346	26.706 228	68.87 44	20.87 36	51.12 179
	301	293	53	323	272	1	43	130
11 5.4	44.088	14.04	21.75	41.79	26.978	68.86	21.30	49.82
15.3	44.432 344	11.24 280	22.36 61	38.88 291	27.289 311	69.31 45	21.80 50	49.07 75
25.3	44.813 381	8.64 260	23.04 68	36.34 254	27.631 342	70.24 93	22.34 54	48.92 15
	411	233	73	206	364	138	58	47
12 5.3	45.224	6.31	23.77	34.28	27.995	71.62	22.92	49.39
15.3	45.652 428	4.33 198	24.54 77	32.75 153	28.369 374	73.42 180	23.51 59	50.49 110
25.2	46.085 433	2.76 158	25.31 77	31.80 95	28.743 374	75.59 217	24.10 59	52.17 168
35.2	46.511 426	1.64 111	26.08 77	31.46 34	29.105 362	78.07 248	24.66 56	54.40 223
中位	s 42.648	″ 31.86	s 20.407	″ 65.87	s 26.365	″ 70.55	s 22.292	″ 54.62
Sec&Tan δ	+1.378	+0.948	+2.871	+2.692	+1.174	−0.614	+2.183	−1.940
2回正中	3月14日		3月14日		3月15日		3月15日	
a b	+0.1622	−0.0626	+0.1780	−0.1777	+0.1481	+0.0406	+0.1383	+0.1285
a′ b′	−0.9901	−0.1404	−0.9905	−0.1377	−0.9917	−0.1286	−0.9933	−0.1159
FK3番号	432		433		434		436	

本初子午線正中時

星名	C^2 Cent				ν Leon				π Cham				o Hyda			
等級	5.42		F0		4.47		K0		5.74		F0		4.88		B8	
スペクトル型																
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m		° ′		h m		° ′		h m		° ′		h m		° ′	
	11 33		−47 20		11 34		−0 32		11 35		−75 36		11 37		−34 27	
	s		″		s		″		s		″		s		″	
1 1.2	23.276		51.93		16.687		6.92		5.53		5.61		36.913		6.72	
11.2	23.678	402	54.55	262	17.009	322	9.05	213	6.41	88	7.92	231	37.269	356	9.30	258
21.2	24.043	365	57.49	294	17.307	298	11.06	201	7.20	79	10.72	280	37.596	327	12.10	280
31.1	24.362	319	60.67	318	17.571	264	12.89	183	7.88	68	13.92	320	37.885	289	15.02	292
		267		332		227		160		56		353		244		297
2 10.1	24.629		63.99		17.798		14.49		8.44		17.45		38.129		17.99	
20.1	24.838	209	67.36	337	17.982	184	15.83	134	8.86	42	21.20	375	38.325	196	20.93	294
		152		335		139		108		27		387		146		286
3 1.0	24.990		70.71		18.121		16.91		9.13		25.07		38.471		23.79	
11.0	25.084	94	73.96	325	18.218	97	17.72	81	9.27	14	28.99	392	38.569	98	26.49	270
20.9	25.124	40	77.05	309	18.273	55	18.27	55	9.26	1	32.85	386	38.621	52	29.00	251
30.9	25.115	9	79.92	287	18.292	19	18.59	32	9.13	13	36.59	374	38.631	10	31.27	227
		53		260		13		11		26		352		26		201
4 9.9	25.062		82.52		18.279		18.70		8.87		40.11		38.605		33.28	
19.9	24.970	92	84.81	229	18.241	38	18.64	6	8.50	37	43.35	324	38.547	58	34.99	171
29.9	24.846	124	86.75	194	18.181	60	18.42	22	8.03	47	46.25	290	38.464	83	36.39	140
		150		156		75		35		55		250		105		107
5 9.9	24.696		88.31		18.106		18.07		7.48		48.75		38.359		37.46	
19.8	24.526	170	89.47	116	18.021	85	17.63	44	6.85	63	50.81	206	38.239	120	38.19	73
29.8	24.340	186	90.22	75	17.929	92	17.12	51	6.16	69	52.37	156	38.107	132	38.59	40
		196		31		95		57		72		104		139		4
6 8.8	24.144		90.53		17.834		16.55		5.44		53.41		37.968		38.63	
18.7	23.944	200	90.42	11	17.740	94	15.95	60	4.69	75	53.91	50	37.826	142	38.34	29
28.7	23.745	199	89.89	53	17.649	91	15.32	63	3.94	75	53.87	4	37.685	141	37.73	61
		192		94		84		61		74		59		136		93
7 8.7	23.553		88.95		17.565		14.71		3.20		53.28		37.549		36.80	
18.7	23.373	180	87.63	132	17.490	75	14.12	59	2.51	69	52.16	112	37.472	127	35.60	120
28.6	23.212	161	85.99	164	17.427	63	13.57	55	1.87	64	50.56	160	37.310	112	34.16	144
		135		193		47		47		55		204		94		164
8 7.6	23.077		84.06		17.380		13.10		1.32		48.52		37.216		32.52	
17.6	22.974	103	81.93	213	17.351	29	12.73	37	0.86	46	46.12	240	37.147	69	30.76	176
27.6	22.909	65	79.65	228	17.345	6	12.48	25	0.53	33	43.42	270	37.107	40	28.92	184
		18		234		20		7		19		289		4		183
9 6.5	22.891		77.31		17.365		12.41		0.34		40.53		37.103		27.09	
16.5	22.924	33	75.02	229	17.417	52	12.52	11	0.29	5	37.55	298	37.140	37	25.35	174
26.5	23.012	88	72.86	216	17.502	85	12.87	35	0.41	12	34.59	296	37.220	80	23.77	158
		148		192		123		60		27		280		129		133
10 6.4	23.160		70.94		17.625		13.47		0.68		31.79		37.349		22.44	
16.4	23.367	207	69.33	161	17.786	161	14.33	86	1.12	44	29.24	255	37.527	178	21.43	101
26.4	23.632	265	68.14	119	17.988	202	15.48	115	1.71	59	27.06	218	37.754	227	20.81	62
		319		72		240		141		72		171		274		19
11 5.4	23.951		67.42		18.228		16.89		2.43		25.35		38.028		20.62	
15.3	24.317	366	67.23	19	18.502	274	18.56	167	3.26	83	24.20	115	38.341	313	20.91	29
25.3	24.721	404	67.59	36	18.806	304	20.45	189	4.18	92	23.65	55	38.689	348	21.68	77
		428		91		327		206		97		9		371		125
12 5.3	25.149		68.50		19.133		22.51		5.15		23.74		39.060		22.93	
15.3	25.589	440	69.96	146	19.472	339	24.69	218	6.14	99	24.48	74	39.444	384	24.62	169
25.2	26.027	438	71.92	196	19.814	342	26.91	222	7.12	98	25.87	139	39.828	384	26.71	209
35.2	26.449	422	74.32	240	20.147	333	29.11	220	8.05	93	27.84	197	40.200	372	29.14	243
中位	s 23.857		″ 71.13		s 17.111		″ 11.37		s 6.108		″ 29.99		s 37.500		″ 22.35	
Sec δ Tan δ	+1.476		−1.086		+1.000		−0.009		+4.023		−3.897		+1.213		−0.686	
2回正中	3月 15日				3月 16日				3月 16日				3月 16日			
a b	+0.1450		+0.0719		+0.1533		+0.0006		+0.1252		+0.2583		+0.1489		+0.0455	
a′ b′	−0.9933		−0.1158		−0.9937		−0.1120		−0.9941		−0.1084		−0.9952		−0.0975	
FK3番号	435				437				438				439			

本初子午線正中時

星名	3 Drac				λ Musc				χ U Maj				65 G. Cent			
等級	5.48		K0		3.80		A5		3.85		K0		4.22		G0	
スペクトル型																
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h m		° ′		h m		° ′		h m		° ′		h m		° ′	
	11 39		+67 1		11 43		−66 26		11 43		+48 3		11 43		−60 52	
	s		″		s		″		s		″		s		″	
1 1.2	36.19		44.84		7.64		2.13		18.738		53.81		58.37		58.72	
11.2	36.88	69	44.67	17	8.24	60	4.49	236	19.183	445	53.00	81	58.89	52	61.14	242
21.2	37.52	64	45.12	45	8.80	56	7.31	282	19.600	417	52.73	27	59.37	48	63.99	285
31.1	38.10	58	46.16	104	9.28	48	10.50	319	19.977	377	53.00	27	59.79	42	67.18	319
		50		158		40		347		327		77		35		344
2 10.1	38.60		47.74		9.68		13.97		20.304		53.77		60.14		70.62	
20.1	39.00	40	49.78	204	9.99	31	17.64	367	20.571	267	55.01	124	60.41	27	74.22	360
		29		240		23		376		204		163		20		367
3 1.1	39.29		52.18		10.22		21.40		20.775		56.64		60.61		77.89	
11.0	39.48	19	54.85	267	10.35	13	25.18	378	20.913	138	58.57	193	60.74	13	81.55	366
20.9	39.56	8	57.65	280	10.40	5	28.89	371	20.986	73	60.72	215	60.79	5	85.12	357
30.9	39.53	3	60.47	282	10.36	4	32.44	355	21.000	14	62.97	225	60.77	2	88.51	339
		13		274		11		334		40		227		7		317
4 9.9	39.40		63.21		10.25		35.78		20.960		65.24		60.70		91.68	
19.9	39.19	21	65.74	253	10.07	18	38.83	305	20.873	87	67.41	217	60.56	14	94.55	287
29.9	38.91	28	67.97	223	9.82	25	41.53	270	20.748	125	69.42	201	60.38	18	97.08	253
		33		187		29		232		154		176		23		215
5 9.9	38.58		69.84		9.53		43.85		20.594		71.18		60.15		99.23	
19.8	38.20	38	71.27	143	9.19	34	45.73	188	20.418	176	72.63	145	59.89	26	100.94	171
29.8	37.80	40	72.22	95	8.81	38	47.14	141	20.230	188	73.73	110	59.60	29	102.20	126
		41		45		40		91		193		72		31		78
6 8.8	37.39		72.67		8.41		48.05		20.037		74.45		59.29		102.98	
18.8	36.99	40	72.60	7	8.00	41	48.45	40	19.845	192	74.76	31	58.97	32	103.26	28
28.7	36.59	40	72.02	58	7.58	42	48.32	13	19.659	186	74.66	10	58.65	32	103.05	21
		36		108		42		63		172		51		32		71
7 8.7	36.23		70.94		7.16		47.69		19.487		74.15		58.33		102.34	
18.7	35.90	33	69.38	156	6.77	39	46.56	113	19.332	155	73.23	92	58.03	30	101.18	116
28.6	35.61	29	67.38	200	6.41	36	44.98	158	19.198	134	71.93	130	57.75	28	99.59	159
		23		240		32		199		107		166		24		197
8 7.6	35.38		64.98		6.09		42.99		19.091		70.27		57.51		97.62	
17.6	35.20	18	62.23	275	5.83	26	40.66	233	19.014	77	68.76	201	57.31	20	95.34	228
27.6	35.09	11	59.17	306	5.64	19	38.07	259	18.972	42	65.96	230	57.17	14	92.83	251
		4		330		11		276		3		257		8		265
9 6.5	35.05		55.87		5.53		35.31		18.969		63.39		57.09		90.18	
16.5	35.09	4	52.39	348	5.51	2	32.48	283	19.009	40	60.59	280	57.09	0	87.48	270
26.5	35.21	12	48.79	360	5.59	8	29.70	278	19.097	88	57.61	298	57.16	7	84.84	264
		20		365		18		263		139		312		16		246
10 6.5	35.41		45.14		5.77		27.07		19.236		54.49		57.32		82.38	
16.4	35.70	29	41.52	362	6.05	28	24.72	235	19.428	192	51.31	318	57.56	24	80.20	218
26.4	36.07	37	38.00	352	6.43	38	22.73	199	19.673	245	48.12	319	57.89	33	78.39	181
		46		332		47		152		299		312		40		133
11 5.4	36.53		34.68		6.90		21.21		19.972		45.00		58.29		77.06	
15.3	37.06	53	31.64	304	7.44	54	20.24	97	20.319	347	42.01	299	58.75	46	76.26	80
25.3	37.66	60	28.95	269	8.05	61	19.85	39	20.709	390	39.24	277	59.26	51	76.05	21
		65		225		64		75		425		246		55		40
12 5.3	38.31		26.70		8.69		20.10		21.134		36.78		59.81		76.45	
15.3	39.00	69	24.96	174	9.36	67	20.97	87	21.583	449	34.69	209	60.38	57	77.46	101
25.2	39.70	70	23.79	117	10.02	66	22.45	148	22.041	458	33.04	165	60.95	57	79.05	159
35.2	40.40	70	23.23	56	10.65	63	24.50	205	22.496	455	31.89	115	61.49	54	81.18	213
中位	s 35.368		″ 58.09		s 8.400		″ 25.27		s 18.692		″ 64.07		s 59.120		″ 80.88	
Sec δ Tan δ	+2.565		+2.362		+2.502		−2.793		+1.496		+1.113		+2.055		−1.796	
2回正中	3月 17日				3月 18日				3月 18日				3月 18日			
a b	+0.1673		−0.1567		+0.1421		+0.1525		+0.1587		−0.0740		+0.1450		+0.1194	
a′ b′	−0.9960		−0.0889		−0.9973		−0.0735		−0.9974		−0.0728		−0.9976		−0.0698	
FK3番号	440				442				441				443			

本初子午線正中時

星名	β Leon		β Virg		B Cent		γ U Maj	
等級 / スペクトル型	2.23	A2	3.80	F8	4.71	K0	2.54	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 11 46	° ′ +14 51	h m 11 47	° ′ +2 3	h m 11 48	° ′ −44 52	h m 11 51	° ′ +53 58
	s	″	s	″	s	″	s	″
1 1.2	24.096	44.94	58.653	31.38	31.427	44.84	6.383	50.28
11.2	24.432 336	43.14 180	58.981 328	29.28 210	31.827 400	47.34 250	6.876 493	49.56 72
21.2	24.747 315	41.61 153	59.288 307	27.33 195	32.195 368	50.15 281	7.343 467	49.42 14
31.1	25.030 283	40.40 121	59.563 275	25.58 175	32.572 327	53.19 304	7.767 424	49.85 43
	245	87	239	149	280	319	371	96
2 10.1	25.275	39.53	59.802	24.09	32.802	56.38	8.138	50.81
20.1	25.478 203	39.01 52	60.000 198	22.86 123	33.027 225	59.63 325	8.443 305	52.26 145
	157	19	154	94	171	323	235	185
3 1.1	25.635	38.82	60.154	21.92	33.198	62.86	8.678	54.11
11.0	25.748 113	38.94 12	60.265 111	21.26 66	33.316 118	66.00 314	8.840 162	56.28 217
20.9	25.817 69	39.32 38	60.335 70	20.85 41	33.381 65	69.00 300	8.928 88	58.66 238
30.9	25.847 30	39.91 59	60.368 33	20.69 16	33.398 17	71.79 279	8.949 21	61.14 248
	4	76	1	3	26	254	44	247
4 9.9	25.843	40.67	60.369	20.72	33.372	74.33	8.905	63.61
19.9	25.809 34	41.53 86	60.343 26	20.93 21	33.308 64	76.58 225	8.807 98	65.98 237
29.9	25.752 57	42.45 92	60.294 49	21.27 34	33.212 96	78.51 193	8.663 144	68.16 218
	75	93	86	45	123	158	180	190
5 9.9	25.677	43.38	60.228	21.72	33.089	80.09	8.483	70.06
19.8	25.590 87	44.28 90	60.150 78	22.24 52	32.944 145	81.28 119	8.276 207	71.62 156
29.8	25.494 96	45.11 83	60.064 86	22.81 57	32.781 163	82.09 81	8.052 224	72.79 117
	100	73	91	60	175	40	234	75
6 8.8	25.394	45.84	59.973	23.41	32.606	82.49	7.818	73.54
18.8	25.293 101	46.46 62	59.882 91	24.01 60	32.424 182	82.48 1	7.584 234	73.84 30
28.7	25.195 98	46.94 48	59.791 91	24.60 59	32.240 184	82.07 41	7.356 228	73.69 15
	92	32	86	55	181	80	215	60
7 8.7	25.103	47.26	59.705	25.15	32.059	81.27	7.141	73.09
18.7	25.019 84	47.42 16	59.627 78	25.65 50	31.886 173	80.11 116	6.945 196	72.04 105
28.6	24.947 72	47.41 1	59.559 68	26.08 43	31.728 158	78.62 149	6.772 173	70.59 145
	57	20	55	34	137	176	143	185
8 7.6	24.890	47.21	59.504	26.42	31.591	76.86	6.629	68.74
17.6	24.851 39	46.81 40	59.468 36	26.64 22	31.482 109	74.88 198	6.521 108	66.53 221
27.6	24.834 17	46.20 61	59.452 16	26.74 7	31.408 74	72.75 213	6.451 70	64.00 253
	10	83	11	10	33	220	24	280
9 6.5	24.844	45.37	59.463	26.61	31.375	70.55	6.427	61.20
16.5	24.884 40	44.32 105	59.503 40	26.31 30	31.390 15	68.38 217	6.451 24	58.16 304
26.5	24.957 73	43.04 128	59.577 74	25.79 52	31.457 67	66.32 206	6.528 77	54.94 322
	112	151	112	77	125	185	136	333
10 6.5	25.069	41.53	59.689	25.02	31.582	64.47	6.664	51.61
16.4	25.221 152	39.80 173	59.840 151	23.99 103	31.765 183	62.92 155	6.858 194	48.21 340
26.4	25.413 192	37.87 193	60.031 191	22.70 129	32.005 240	61.74 118	7.114 256	44.84 337
	233	210	231	154	295	72	315	329
11 5.4	25.646	35.77	60.262	21.16	32.300	61.02	7.429	41.55
15.3	25.916 270	33.54 223	60.530 268	19.38 178	32.643 343	60.79 23	7.800 371	38.44 311
25.3	26.218 302	31.23 231	60.830 300	17.40 198	33.025 382	61.09 30	8.220 420	35.59 285
	328	233	323	212	411	84	462	252
12 5.3	26.546	28.90	61.153	15.28	33.436	61.93	8.682	33.07
15.3	26.891 345	26.62 228	61.492 339	13.07 221	33.862 426	63.29 136	9.171 489	30.97 210
25.2	27.241 350	24.47 215	61.836 344	10.84 223	34.291 429	65.14 185	9.675 504	29.35 162
35.2	27.587 346	22.50 197	62.175 339	8.66 218	34.708 417	67.42 228	10.178 503	28.27 108
平位	s 24.488	″ 46.00	s 59.135	″ 28.16	s 32.151	″ 63.32	s 6.247	″ 62.02
Sec.δ Tanδ	+1.035	+0.265	+1.001	+0.036	+1.411	−0.996	+1.701	+1.376
2回正中	3月19日		3月19日		3月19日		3月20日	
a b	+0.1544	−0.0177	+0.1535	−0.0024	+0.1500	+0.0663	+0.1569	−0.0916
a′ b′	−0.9982	−0.0593	−0.9986	−0.0524	−0.9988	−0.0500	−0.9992	−0.0388
FK3番号	444		445		446		447	

本初子午線正中時

星名	† ε Chamm		88 G. Cent		o Virg		Grb 1852 Caml	
等級 / スペクトル型	5.05	B9	5.28	F0	4.24	G5	5.96	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 11 56	° ′ −77 55	h m 12 0	° ′ −42 8	h m 12 2	° ′ +9 0	h m 12 2	° ′ +77 11
	s	″	s	″	s	″	s	″
1 1.2	59.50	31.22	56.659	16.72	33.071	78.93	39.82	31.96
11.2	60.59 109	33.21 199	57.055 396	19.13 241	33.406 335	78.93 200	40.96 114	31.76 20
21.2	61.58 99	35.72 251	57.424 369	21.83 270	33.721 315	75.16 177	42.04 108	32.21 45
31.1	62.46 88	38.69 297	57.756 332	24.75 292	34.009 288	73.66 150	43.04 100	33.28 107
	74	334	287	306	253	119	87	165
2 10.1	63.20	42.03	58.043	27.81	34.262	72.47	43.91	34.93
20.1	63.79 59	45.64 361	58.281 238	30.93 312	34.474 212	71.59 88	44.64 73	37.07 214
	43	380	186	310	170	56	56	254
3 1.1	64.22	49.44	58.467	34.03	34.644	71.03	45.20	39.61
11.0	64.48 26	53.33 389	58.602 135	37.05 302	34.771 127	70.78 25	45.57 37	42.44 283
21.0	64.59 11	57.23 390	58.687 85	39.93 288	34.857 86	70.80 2	45.75 18	45.43 299
30.9	64.53 6	61.05 382	58.726 39	42.62 269	34.904 47	71.05 25	45.74 1	48.46 303
	20	367	3	244	13	46	18	294
4 9.9	64.33	64.72	58.723	45.06	34.917	71.50	45.56	51.40
19.9	63.99 34	68.15 343	58.683 40	47.24 218	34.901 16	72.09 59	45.22 34	54.14 274
29.9	63.51 48	71.28 313	58.611 72	49.11 187	34.861 40	72.79 70	44.73 49	56.59 245
	59	277	100	154	59	76	60	205
5 9.9	62.92	74.05	58.511	50.65	34.802	73.55	44.13	58.64
19.8	62.24 68	76.41 236	58.389 122	51.84 119	34.728 74	74.32 77	43.43 70	60.25 161
29.8	61.46 78	78.30 189	58.249 140	52.65 81	34.643 85	75.08 76	42.67 76	61.34 109
	83	138	154	44	91	72	80	57
6 8.8	60.63	79.68	58.095	53.09	34.552	75.80	41.87	61.91
18.8	59.75 88	80.53 85	57.931 164	53.15 6	34.458 94	76.46 66	41.06 81	61.92 1
28.7	58.84 91	80.83 30	57.763 168	52.82 33	34.362 96	77.03 57	40.26 80	61.38 54
	89	25	168	69	92	47	77	108
7 8.7	57.95	80.58	57.595	52.13	34.270	77.50	39.49	60.30
18.7	57.08 87	79.79 79	57.433 162	51.09 104	34.183 87	77.85 35	38.77 72	58.70 160
28.7	56.26 82	78.48 131	57.281 152	49.74 135	34.104 79	78.06 21	38.12 65	56.63 207
	73	179	134	162	66	7	57	251
8 7.6	55.53	76.69	57.147	48.12	34.038	78.13 11	37.55	54.12
17.6	54.91 62	74.49 220	57.038 109	46.30 182	33.987 51	78.02 28	37.09 46	51.22 290
27.6	54.42 49	71.95 254	56.959 79	44.32 198	33.957 30	77.74 49	36.73 36	48.00 322
	33	280	41	205	6		23	348
9 6.5	54.09	69.15	56.918 4	42.27	33.951 23	77.25 70	36.50	44.52
16.5	53.93 16	66.20 295	56.922 53	40.24 203	33.974 57	76.55 93	36.41 9	40.83 369
26.5	53.96 3	63.22 298	56.975 108	38.30 194	34.031 95	75.62 117	36.45 4	37.02 381
	23	291		174			19	387
10 6.5	54.19	60.31	57.083	36.56	34.126	74.45	36.64	33.15
16.4	54.61 42	57.60 271	57.247 164	35.10 146	34.260 134	73.03 142	36.98 34	29.32 383
26.4	55.22 61	55.21 239	57.467 220	33.99 111	34.436 176	71.39 164	37.47 49	25.60 372
	77	198	275	68	217	187	64	352
11 5.4	55.99	53.23	57.742	33.31	34.653	69.52	38.11	22.08
15.4	56.92 93	51.76 147	58.065 323	33.10 21	34.910 257	67.48 204	38.89 78	18.86 322
25.3	57.96 104	50.87 89	58.429 364	33.40 30	35.200 290	65.30 218	39.79 90	16.01 285
	112	27	395	81	317	227	100	238
12 5.3	59.08	50.60	58.824	34.21	35.517	63.03	40.79	13.63
15.3	60.24 116	50.98 38	59.237 413	35.52 131	35.854 337	60.75 228	41.87 108	11.78 185
25.2	61.41 117	52.01 103	59.655 418	37.30 178	36.198 344	58.52 223	43.00 113	10.53 125
35.2	62.54 113	53.65 164	60.066 411	39.49 219	36.541 343	56.40 212	44.14 114	9.91 62
平位	s 60.826	″ 55.77	s 57.484	″ 34.31	s 33.596	″ 78.43	s 38.146	″ 46.95
Sec.δ Tanδ	+4.784	−4.678	+1.349	−0.905	+1.013	+0.159	+4.513	+4.401
2回正中	3月21日		3月22日		3月23日		3月23日	
a b	+0.1493	+0.3118	+0.1536	+0.0603	+0.1532	−0.0106	+0.1500	−0.2933
a′ b′	−0.9999	−0.0130	−1.0000	+0.0042	−0.9999	+0.0112	−0.9999	+0.0115
FK3番号	448		449		450		451	

本初子午線正中時

星名	δ Cent		ε Corv		Br 1634 Caml		δ Cruc	
等級 スペクトル型	2.88	B3p	3.21	K0	5.12	A5	3.08	B3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 5	° ′ −50 25	h m 12 7	° ′ −22 19	h m 12 9	° ′ +77 53	h m 12 12	° ′ −58 27
	s	″	s	″	s	″	s	″
1 1.2	38.284 443	38.42 230	26.003 345	38.80 236	48.86 119	62.99 28	21.122 518	13.15 213
11.2	38.727 412	40.72 267	26.348 325	41.16 247	50.05 114	62.71 37	21.640 485	15.28 257
21.2	39.139 371	43.39 296	26.673 295	43.63 252	51.19 106	63.08 101	22.125 437	17.85 293
31.2	39.510 323	46.35 318	26.968 258	46.15 248	52.25 94	64.09 159	22.562 381	20.78 321
2 10.1	39.833	49.53 330	27.226 218	48.63 239	53.19 79	65.68 210	22.943 317	23.99 340
20.1	40.100 209	52.83 334	27.444 174	51.02 225	53.98 61	67.78 250	23.260 250	27.39 351
3 1.1	40.309	56.17 331	27.618	53.27	54.59	70.28	23.510	30.90
11.0	40.460 151	59.48 322	27.749 131	55.35 208	55.01 42	73.10 282	23.692 182	34.43 353
21.0	40.554 94	62.70 305	27.838 89	57.21 186	55.23 22	76.09 299	23.807 115	37.91 348
30.9	40.596 42	65.75 283	27.890 52	58.85 164	55.25 2	79.13 304	23.858 51	41.26 335
4 9.9	40.589 7	68.58 257	27.906 16	60.25 140	55.08 17	82.11 298	23.849 9	44.43 317
19.9	40.538 51	71.15 226	27.893 13	61.41 116	54.73 35	84.89 278	23.786 63	47.35 292
29.9	40.448 90	73.41 191	27.855 38	62.31 90	54.24 49	87.39 250	23.672 114	49.97 262
5 9.9	40.324 124	75.32 154	27.795 60	62.97 66	53.61 63	89.52 213	23.515 157	52.25 228
19.9	40.172 152	76.86 114	27.718 77	63.39 42	52.89 72	91.20 168	23.319 196	54.14 189
29.8	39.995 177	78.00 71	27.628 90	63.56 17	52.08 81	92.37 117	23.091 228	55.61 147
	194		101	7	84	65	255	102
6 8.8	39.801 208	78.71 29	27.527 107	63.49 29	51.24 87	93.02 9	22.836 273	56.63 56
18.8	39.593 216	79.00 15	27.420 111	63.20 51	50.37 87	93.11 46	22.563 285	57.19 8
28.7	39.377 216	78.85 57	27.309 112	62.69 71	49.50 83	92.65 100	22.278 290	57.27 39
7 8.7	39.161 211	78.28 99	27.197 107	61.98 88	48.67 79	91.65 153	21.988 284	56.88 86
18.7	38.950 199	77.29 135	27.090 101	61.10 103	47.88 72	90.12 201	21.704 270	56.02 128
28.7	38.751 178	75.94 169	26.989 88	60.07 114	47.16 63	88.11 246	21.434 246	54.74 168
8 7.6	38.573 150	74.25 196	26.901 72	58.93 121	46.53 53	85.65 285	21.188 211	53.06 201
17.6	38.423 113	72.29 217	26.829 50	57.72 123	46.00 41	82.80 319	20.977 165	51.05 228
27.6	38.310 68	70.12 230	26.779 21	56.49 119	45.59 29	79.61 346	20.812 111	48.77 247
9 6.6	38.242 16	67.82 234	26.758 11	55.30 109	45.30 14	76.15 368	20.701 46	46.30 256
16.5	38.226 43	65.48 227	26.769 49	54.21 93	45.16 0	72.47 381	20.655 26	43.74 254
26.5	38.269 107	63.21 212	26.818 92	53.28 70	45.16 16	68.66 388	20.681 104	41.20 244
10 6.5	38.376 173	61.09 186	26.910 137	52.58 43	45.32 31	64.78 386	20.785 185	38.76 221
16.4	38.549 238	59.23 152	27.047 183	52.15 9	45.63 48	60.92 376	20.970 264	36.55 189
26.4	38.787 301	57.71 109	27.230 228	52.06 27	46.11 64	57.16 357	21.234 340	34.66 147
11 5.4	39.088 357	56.62 61	27.458 270	52.33 65	46.75 78	53.59 328	21.574 408	33.19 99
15.4	39.445 404	56.01 7	27.728 305	52.98 104	47.63 92	50.31 291	21.982 465	32.20 44
25.3	39.849 438	55.94 49	28.033 334	54.02 141	48.45 103	47.40 246	22.447 508	31.76 13
12 5.3	40.287 461	56.43 103	28.367 352	55.43 176	49.48 112	44.94 192	22.955 535	31.89 73
15.3	40.748 467	57.46 156	28.719 360	57.19 203	50.60 118	43.02 134	23.490 544	32.62 130
25.3	41.215 459	59.02 204	29.079 356	59.22 227	51.78 119	41.68 69	24.034 536	33.92 183
35.2	41.674	61.06	29.435	61.49	52.97	40.99	24.570	35.75
中位	s 39.224	″ 58.10	s 28.752	″ 50.14	s 47.185	″ 78.27	s 22.244	″ 34.53
Sec δ Tan δ	+1.570	−1.210	+1.081	−0.411	+4.773	+4.667	+1.912	−1.629
2回正中	3月24日		3月24日		3月25日		3月25日	
a b	+0.1553	+0.0807	+0.1542	+0.0274	+0.1401	−0.3108	+0.1592	+0.1085
a′ b′	−0.9997	+0.0247	−0.9995	+0.0325	−0.9991	+0.0427	−0.9985	+0.0540
FK3番号	452		453		454		455	

本初子午線正中時

星名	δ UMaj		γ Corv		2 CVen		β Cham	
等級 スペクトル型	3.44	A2	2.78	B8	5.80	K5	4.38	B5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 12	° ′ +57 18	h m 12 13	° ′ −17 15	h m 12 13	° ′ +40 56	h m 12 15	° ′ −79 1
	s	″	s	″	s	″	s	″
1 1.2	51.686 531	63.86 89	6.919 341	2.49 232	31.175 411	48.49 134	13.06 122	0.33 172
11.2	52.217 510	62.97 28	7.260 321	4.81 237	31.586 392	47.15 82	14.28 114	2.05 227
21.2	52.727 472	62.69 31	7.581 294	7.18 236	31.978 363	46.33 31	15.42 103	4.32 276
31.2	53.199 420	63.00 89	7.875 259	9.54 230	32.341 323	46.02 21	16.45 89	7.08 316
2 10.1	53.619 356	63.89 141	8.134 219	11.84 216	32.664 275	46.23 71	17.34 73	10.24 348
20.1	53.975 283	65.30 186	8.353 178	14.00 200	32.939 221	46.94 113	18.07 37	13.72 370
3 1.1	54.258 207	67.16 222	8.531 136	16.00 179	33.160 165	48.07 151	18.64 39	17.42 384
11.0	54.465 128	69.38 247	8.667 95	17.79 158	33.325 110	49.58 178	19.03 22	21.26 389
21.0	54.593 53	71.85 261	8.762 58	19.37 134	33.435 57	51.36 198	19.25 4	25.15 385
30.9	54.646 78	74.46 263	8.820 24	20.71 111	33.492 8	53.34 208	19.29 72	29.00 374
4 9.9	54.628 81	77.09 256	8.844 5	21.82 88	33.500 35	55.42 208	19.17 28	32.74 354
19.9	54.547 136	79.65 238	8.839 31	22.70 65	33.465 71	57.50 201	18.89 43	36.28 328
29.9	54.411 181	82.03 212	8.808 51	23.35 43	33.394 101	59.51 184	18.46 57	39.56 296
5 9.9	54.230 217	84.15 178	8.757 68	23.78 22	33.293 124	61.35 162	17.89 69	42.52 256
19.9	54.013 243	85.93 139	8.689 82	24.00 1	33.169 142	62.97 135	17.20 80	45.08 212
29.8	53.770 259	87.32 96	8.607 93	24.01 77	33.027 152	64.32 102	16.40 88	47.20 164
6 8.8	53.511 267	88.28 49	8.514 99	23.84 36	32.875 158	65.34 67	15.52 94	48.84 112
18.8	53.244 267	88.77 2	8.415 103	23.48 52	32.717 158	66.01 31	14.58 98	49.96 57
28.7	52.977 258	88.79 46	8.312 105	22.96 68	32.559 155	66.32 8	13.60 100	50.53 2
7 8.7	52.719 244	88.33 93	8.207 102	22.28 80	32.404 146	66.24 45	12.60 98	50.55 34
18.7	52.475 222	87.40 138	8.105 95	21.48 90	32.258 134	65.79 83	11.62 93	50.01 106
28.7	52.253 195	86.02 180	8.010 85	20.58 97	32.124 116	64.96 120	10.69 85	48.95 157
8 7.6	52.058 161	84.22 220	7.925 70	19.61 101	32.008 94	63.76 154	9.84 75	47.38 202
17.6	51.897 121	82.02 255	7.855 49	18.60 98	31.914 68	62.22 187	9.09 61	45.36 239
27.6	51.776 74	79.47 286	7.806 24	17.62 93	31.846 37	60.35 217	8.48 45	42.97 269
9 6.6	51.702 23	76.61 312	7.782 8	16.69 81	31.809 0	58.18 244	8.03 26	40.28 290
16.5	51.679 34	73.49 333	7.790 45	15.88 64	31.809 41	55.74 267	7.77 6	37.38 298
26.5	51.713 96	70.16 347	7.835 85	15.24 41	31.850 88	53.07 287	7.71 76	34.40 295
10 6.5	51.809 162	66.69 356	7.920 128	14.83 14	31.938 136	50.20 301	7.87 37	31.45 281
16.4	51.971 229	63.13 355	8.048 173	14.69 18	32.074 187	47.19 310	8.24 59	28.64 254
26.4	52.200 297	59.58 348	8.221 218	14.87 52	32.261 238	44.09 313	8.83 78	26.10 217
11 5.4	52.497 360	56.10 331	8.439 259	15.39 86	32.499 287	40.96 308	9.61 95	23.93 170
15.4	52.857 419	52.79 307	8.698 295	16.25 123	32.786 332	37.88 294	10.56 110	22.23 114
25.3	53.276 469	49.72 272	8.993 324	17.48 154	33.118 368	34.94 274	11.66 120	21.09 54
12 5.3	53.745 506	47.00 231	9.317 343	19.02 184	33.486 396	32.20 245	12.86 127	20.55 9
15.3	54.251 529	44.69 182	9.660 352	20.86 208	33.882 413	29.75 207	14.13 128	20.64 74
25.3	54.780 536	42.87 126	10.012 350	22.94 225	34.295 416	27.68 165	15.41 127	21.38 137
35.2	55.316	41.61	10.362	25.19	34.711	26.03	16.68	22.75
中位	s 51.634	″ 76.94	s 7.675	″ 11.97	s 31.457	″ 58.09	s 13.140	″ 24.75
Sec δ Tan δ	+1.852	+1.559	+1.047	−0.311	+1.324	+0.868	+5.251	−5.155
2回正中	3月25日		3月25日		3月26日		3月26日	
a b	+0.1475	−0.1038	+0.1545	+0.0207	+0.1499	−0.0578	+0.1762	+0.3430
a′ b′	−0.9984	+0.0561	−0.9984	+0.0573	−0.9983	+0.0590	−0.9978	+0.0665
FK3番号	456		457		458		459	

本初子午線正中時

星名	η Virg		6 C Ven		α Cruc m		323 G Hyda	
等級	4.00		5.22		1.58 / 209		5.68	
スペクトル型	A0		K0		B1 / B1		A0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 17	° ′ −0 22	h m 12 23	° ′ +39 17	h m 12 23	° ′ −62 48	h m 12 24	° ′ −32 32
1 1.2	s 13.949 / 334	″ 37.22 / 217	s 17.070 / 404	″ 75.21 / 147	s 40.30 / 59	″ 18.52 / 193	s 5.911 / 373	″ 16.58 / 226
11.2	14.283 / 317	39.39 / 204	17.474 / 388	73.74 / 98	40.89 / 55	20.45 / 240	6.284 / 353	18.84 / 248
21.2	14.600 / 292	41.43 / 186	17.862 / 361	72.76 / 45	41.44 / 50	22.85 / 281	6.637 / 324	21.32 / 264
31.2	14.892 / 259	43.29 / 164	18.223 / 324	72.31 / 6	41.94 / 44	25.66 / 314	6.961 / 287	23.96 / 271
2 10.1	15.151 / 221	44.93 / 138	18.547 / 278	72.37 / 56	42.38 / 38	28.80 / 337	7.248 / 246	26.67 / 271
20.1	15.372 / 180	46.31 / 111	18.825 / 228	72.93 / 101	42.76 / 30	32.17 / 352	7.494 / 201	29.38 / 266
3 1.1	15.552 / 139	47.42 / 83	19.053 / 174	73.94 / 139	43.06 / 22	35.87 / 359	7.695 / 157	32.04 / 256
11.1	15.691 / 100	48.25 / 56	19.227 / 120	75.33 / 169	43.28 / 15	39.28 / 358	7.852 / 113	34.60 / 240
21.0	15.791 / 62	48.81 / 32	19.347 / 69	77.02 / 190	43.43 / 8	42.86 / 350	7.965 / 71	37.00 / 220
30.9	15.853 / 29	49.13 / 10	19.416 / 21	78.92 / 203	43.51 / 1	46.36 / 334	8.036 / 34	39.20 / 199
4 9.9	15.882 / 1	49.23 / 8	19.437 / 21	80.95 / 206	43.52 / 6	49.70 / 312	8.070 / 0	41.19 / 175
19.9	15.883 / 23	49.15 / 25	19.416 / 59	83.01 / 200	43.46 / 11	52.82 / 284	8.070 / 30	42.94 / 148
29.9	15.858 / 45	48.90 / 36	19.357 / 88	85.01 / 187	43.35 / 17	55.66 / 252	8.040 / 56	44.42 / 121
5 9.9	15.813 / 61	48.54 / 46	19.269 / 112	86.88 / 166	43.18 / 22	58.18 / 214	7.984 / 77	45.63 / 91
19.9	15.752 / 74	48.08 / 53	19.157 / 130	88.54 / 141	42.96 / 26	60.32 / 173	7.907 / 97	46.54 / 63
29.8	15.678 / 83	47.55 / 57	19.027 / 144	89.95 / 110	42.70 / 29	62.05 / 127	7.810 / 111	47.17 / 32
6 8.8	15.595 / 89	46.98 / 59	18.883 / 151	91.05 / 77	42.41 / 32	63.32 / 80	7.699 / 122	47.49 / 2
18.8	15.506 / 93	46.39 / 60	18.732 / 153	91.82 / 42	42.09 / 34	64.12 / 31	7.577 / 131	47.51 / 28
28.8	15.413 / 93	45.79 / 58	18.579 / 152	92.24 / 4	41.75 / 35	64.43 / 79	7.446 / 135	47.23 / 57
7 8.7	15.320 / 91	45.21 / 55	18.427 / 146	92.28 / 34	41.40 / 34	64.24 / 67	7.311 / 134	46.66 / 83
18.7	15.229 / 85	44.66 / 49	18.281 / 135	91.94 / 70	41.06 / 33	63.57 / 114	7.177 / 129	45.83 / 107
28.7	15.144 / 76	44.17 / 42	18.146 / 121	91.24 / 107	40.73 / 31	62.43 / 157	7.048 / 119	44.76 / 128
8 7.6	15.068 / 61	43.75 / 32	18.025 / 101	90.17 / 142	40.42 / 27	60.86 / 194	6.929 / 101	43.48 / 144
17.6	15.007 / 44	43.43 / 18	17.924 / 77	88.75 / 175	40.15 / 22	58.92 / 225	6.828 / 79	42.04 / 154
27.6	14.963 / 19	43.25 / 4	17.847 / 47	87.00 / 206	39.93 / 15	56.67 / 248	6.749 / 50	40.50 / 159
9 6.6	14.944 / −8	43.21 / 16	17.800 / 12	84.94 / 234	39.78 / 9	54.19 / 262	6.699 / 13	38.91 / 155
16.5	14.952 / 42	43.37 / 37	17.788 / 28	82.60 / 258	39.69 / 0	51.57 / 266	6.686 / 29	37.36 / 146
26.5	14.994 / 80	43.74 / 61	17.816 / 73	80.02 / 281	39.69 / 9	48.91 / 259	6.715 / 76	35.90 / 128
10 6.5	15.074 / 120	44.35 / 86	17.889 / 121	77.21 / 296	39.78 / 18	46.32 / 240	6.791 / 126	34.62 / 103
16.5	15.194 / 163	45.21 / 114	18.010 / 171	74.25 / 307	39.96 / 27	43.92 / 212	6.917 / 178	33.59 / 71
26.4	15.357 / 205	46.35 / 140	18.181 / 223	71.18 / 312	40.23 / 36	41.80 / 173	7.095 / 229	32.88 / 34
11 5.4	15.562 / 245	47.75 / 165	18.404 / 272	68.06 / 309	40.59 / 44	40.07 / 125	7.324 / 276	32.54 / −7
15.4	15.807 / 281	49.40 / 187	18.676 / 316	64.97 / 299	41.03 / 51	38.82 / 73	7.600 / 317	32.61 / 51
25.3	16.088 / 311	51.27 / 205	18.992 / 356	61.98 / 280	41.54 / 56	38.09 / 14	7.917 / 350	33.12 / 95
12 5.3	16.399 / 330	53.32 / 217	19.348 / 384	59.18 / 253	42.10 / 59	37.95 / 45	8.267 / 373	34.07 / 138
15.3	16.729 / 341	55.49 / 222	19.732 / 402	56.65 / 219	42.69 / 61	38.40 / 105	8.640 / 384	35.45 / 175
25.3	17.070 / 341	57.71 / 222	20.134 / 407	54.46 / 176	43.30 / 60	39.45 / 161	9.024 / 382	37.20 / 209
35.2	17.411	59.93	20.541	52.70	43.90	41.06	9.406	39.29
平均	s 14.623	″ 40.64	s 19.438	″ 84.68	s 41.680	″ 40.54	s 6.857	″ 30.89
Sec δ tan δ	+1.000	−0.007	+1.292	+0.819	+2.189	−1.947	+1.186	−0.638
2回正中	3月27日		3月28日		3月28日		3月28日	
a b	+0.1534	+0.0004	+0.1478	−0.0543	+0.1667	+0.1291	+0.1578	+0.0423
a′ b′	−0.9972	+0.0752	−0.9948	+0.1015	−0.9947	+0.1032	−0.9945	+0.1050
FK3番号	460		461		462		463	

本初子午線正中時

星名	σ Cent		20 Coma		δ Corv		74 U Maj	
等級	4.16		5.72		3.11		5.44	
スペクトル型	B3		A2		A0		A5	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 25	° ′ −49 56	h m 12 27	° ′ +21 10	h m 12 27	° ′ −16 13	h m 12 27	° ′ +58 40
1 1.2	s 11.895 / 481	″ 14.98 / 210	s 5.973 / 354	″ 57.66 / 187	s 9.334 / 343	″ 25.30 / 226	s 31.988 / 547	″ 76.16 / 103
11.2	12.346 / 427	17.08 / 249	6.327 / 339	55.79 / 154	9.677 / 327	27.56 / 231	32.535 / 530	75.13 / 42
21.2	12.773 / 390	19.57 / 279	6.666 / 316	54.25 / 114	10.004 / 301	29.87 / 231	33.065 / 497	74.71 / 19
31.2	13.163 / 345	22.36 / 302	6.982 / 283	53.11 / 75	10.305 / 269	32.18 / 223	33.562 / 449	74.90 / 79
2 10.1	13.508 / 294	25.38 / 318	7.265 / 244	52.36 / 33	10.574 / 232	34.41 / 210	34.009 / 385	75.69 / 134
20.1	13.802 / 239	28.56 / 324	7.509 / 202	52.03 / 5	10.806 / 191	36.51 / 193	34.394 / 314	77.03 / 182
3 1.1	14.041 / 183	31.80 / 324	7.711 / 157	52.08 / 41	10.997 / 150	38.44 / 173	34.708 / 236	78.85 / 220
11.1	14.224 / 128	35.04 / 316	7.868 / 114	52.49 / 72	11.147 / 110	40.17 / 151	34.944 / 156	81.05 / 248
21.0	14.352 / 76	38.20 / 303	7.982 / 73	53.21 / 97	11.257 / 74	41.68 / 129	35.100 / 78	83.53 / 265
30.9	14.428 / 27	41.23 / 285	8.055 / 35	54.18 / 115	11.331 / 39	42.97 / 105	35.178 / 3	86.18 / 271
4 9.9	14.455 / 18	44.08 / 261	8.090 / 1	55.33 / 127	11.370 / 9	44.02 / 84	35.181 / 44	88.89 / 266
19.9	14.437 / 59	46.69 / 233	8.091 / 27	56.60 / 132	11.379 / 17	44.86 / 61	35.117 / 125	91.55 / 250
29.9	14.378 / 95	49.02 / 202	8.064 / 51	57.92 / 130	11.362 / 39	45.47 / 41	34.992 / 175	94.05 / 225
5 9.9	14.283 / 126	51.04 / 166	8.013 / 71	59.22 / 124	11.323 / 57	45.88 / 21	34.817 / 216	96.30 / 193
19.9	14.157 / 150	52.70 / 129	7.942 / 85	60.46 / 113	11.266 / 73	46.09 / 2	34.601 / 247	98.23 / 154
29.8	14.003 / 176	53.99 / 88	7.857 / 96	61.59 / 98	11.193 / 85	46.11 / 15	34.354 / 270	99.77 / 111
6 8.8	13.827 / 194	54.87 / 47	7.761 / 104	62.57 / 80	11.108 / 95	45.96 / 32	34.084 / 281	100.88 / 65
18.8	13.633 / 206	55.34 / 5	7.657 / 108	63.37 / 59	11.013 / 100	45.64 / 48	33.803 / 286	101.53 / 16
28.8	13.427 / 212	55.39 / 37	7.549 / 108	63.96 / 37	10.913 / 105	45.16 / 61	33.517 / 283	101.69 / 33
7 8.7	13.215 / 212	55.02 / 78	7.441 / 106	64.33 / 13	10.808 / 103	44.55 / 72	33.234 / 271	101.36 / 81
18.7	13.003 / 205	54.24 / 116	7.335 / 99	64.46 / 10	10.705 / 100	43.83 / 82	32.963 / 252	100.55 / 127
28.7	12.798 / 189	53.08 / 150	7.236 / 90	64.36 / 37	10.605 / 92	43.01 / 89	32.711 / 227	99.28 / 172
8 7.6	12.609 / 165	51.58 / 180	7.146 / 75	63.99 / 61	10.513 / 78	42.12 / 91	32.484 / 194	97.56 / 213
17.6	12.444 / 132	49.78 / 202	7.071 / 57	63.38 / 88	10.435 / 60	41.21 / 90	32.290 / 156	95.43 / 251
27.6	12.312 / 91	47.76 / 219	7.014 / 33	62.50 / 113	10.375 / 35	40.31 / 83	32.134 / 110	92.92 / 284
9 6.6	12.221 / 42	45.57 / 225	6.981 / 4	61.37 / 139	10.340 / 6	39.48 / 73	32.024 / 57	90.08 / 312
16.5	12.179 / 16	43.32 / 224	6.977 / 30	59.98 / 164	10.334 / 29	38.75 / 57	31.967 / 1	86.96 / 335
26.5	12.195 / 79	41.08 / 211	7.007 / 69	58.34 / 188	10.364 / 71	38.18 / 35	31.968 / 65	83.61 / 352
10 6.5	12.274 / 144	38.97 / 190	7.076 / 110	56.46 / 210	10.435 / 114	37.83 / 9	32.033 / 133	80.09 / 362
16.5	12.418 / 211	37.07 / 160	7.186 / 155	54.36 / 229	10.549 / 159	37.74 / 21	32.166 / 205	76.47 / 363
26.4	12.629 / 277	35.47 / 120	7.341 / 199	52.07 / 245	10.708 / 205	37.95 / 53	32.371 / 276	72.84 / 358
11 5.4	12.906 / 336	34.27 / 75	7.540 / 243	49.62 / 255	10.913 / 248	38.48 / 87	32.647 / 344	69.26 / 343
15.4	13.242 / 387	33.52 / 24	7.783 / 282	47.07 / 260	11.161 / 285	39.35 / 121	32.991 / 408	65.83 / 320
25.3	13.629 / 426	33.28 / 30	8.065 / 315	44.47 / 258	11.446 / 317	40.56 / 153	33.399 / 464	62.63 / 287
12 5.3	14.055 / 454	33.58 / 83	8.380 / 339	41.89 / 248	11.763 / 338	42.09 / 181	33.863 / 507	59.76 / 245
15.3	14.509 / 466	34.41 / 136	8.719 / 355	39.41 / 231	12.101 / 350	43.90 / 203	34.370 / 535	57.31 / 196
25.3	14.975 / 464	35.77 / 183	9.074 / 358	37.10 / 207	12.451 / 350	45.93 / 220	34.905 / 548	55.35 / 141
35.2	15.439	37.60	9.432	35.03	12.801	48.13	35.453	53.94
平均	s 13.042	″ 34.18	s 6.546	″ 61.90	s 10.175	″ 34.09	s 32.029	″ 89.91
Sec δ tan δ	−1.554	−1.189	+1.072	+0.388	+1.041	−0.291	+1.924	+1.644
2回正中	3月29日		3月29日		3月29日		3月29日	
a b	+0.1620	+0.0788	+0.1503	−0.0257	+0.1556	+0.0193	+0.1402	−0.1088
a′ b′	−0.9940	+0.1098	−0.9930	+0.1180	−0.9930	+0.1183	−0.9928	+0.1199
FK3番号	464		466		465		467	

本初子午線正中時

星名	γ Cruc		γ Musc		κ Drac		β C Ven	
等級 スペクトル型	1.61	M3	4.04	B5	3.83	B5p	4.32	G0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 28	° ′ −56 48	h m 12 29	° ′ −71 50	h m 12 31	° ′ +70 3	h m 12 31	° ′ +41 37
	s	″	s	″	s	″	s	″
1 1.2	14.777 512	59.07 198	18.20 81	21.92 168	16.82 77	73.30 79	16.211 413	72.93 147
11.2	15.289 484	61.05 241	19.01 76	23.60 222	17.59 75	72.51 14	16.624 399	71.46 96
21.2	15.773 443	63.46 278	19.77 70	25.82 268	18.34 71	72.37 50	17.023 373	70.50 41
31.2	16.216 393	66.24 307	20.47 62	28.50 307	19.05 65	72.87 112	17.396 336	70.09 12
2 10.1	16.609 335	69.31 328	21.09 53	31.57 337	19.70 55	73.99 168	17.732 290	70.21 63
20.1	16.944 272	72.59 339	21.62 42	34.94 359	20.25 45	75.67 215	18.022 239	70.84 109
3 1.1	17.216 209	75.98 344	22.04 32	38.53 372	20.70 34	77.82 253	18.261 184	71.93 149
11.1	17.425 144	79.42 340	22.36 21	42.25 376	21.04 21	80.35 279	18.445 129	73.42 180
21.0	17.571 85	82.82 330	22.57 10	46.01 372	21.25 10	83.14 292	18.574 76	75.22 202
30.9	17.656 26	86.12 314	22.67 0	49.73 361	21.35 3	86.06 295	18.650 26	77.24 215
4 9.9	17.682 27	89.26 292	22.67 9	53.34 343	21.32 13	89.01 285	18.676 78	79.39 219
19.9	17.655 76	92.18 264	22.58 19	56.77 317	21.19 22	91.86 264	18.658 58	81.58 212
29.9	17.579 120	94.82 233	22.39 27	59.94 286	20.97 31	94.50 234	18.600 91	83.70 198
5 9.9	17.459 159	97.15 196	22.12 35	62.80 248	20.66 38	96.84 197	18.509 117	85.68 177
19.9	17.300 194	99.11 157	21.77 41	65.28 207	20.28 43	98.81 152	18.392 137	87.45 150
29.8	17.106 223	100.68 114	21.36 47	67.35 160	19.85 47	100.33 104	18.255 152	88.95 118
6 8.8	16.883 245	101.87 69	20.89 52	68.95 111	19.38 49	101.37 52	18.103 161	90.13 82
18.8	16.638 261	102.51 24	20.37 54	70.06 59	18.89 50	101.89 1	17.942 166	90.95 45
28.8	16.377 269	102.75 23	19.83 56	70.65 6	18.39 49	101.88 55	17.776 165	91.40 6
7 8.7	16.108 270	102.52 68	19.27 56	70.71 48	17.90 48	101.33 106	17.611 160	91.46 33
18.7	15.838 260	101.84 111	18.71 54	70.23 98	17.42 44	100.27 156	17.451 150	91.13 72
28.7	15.578 243	100.73 150	18.17 50	69.25 147	16.98 40	98.71 204	17.301 136	90.41 111
8 7.6	15.335 213	99.23 185	17.67 45	67.78 190	16.58 35	96.67 246	17.165 116	88.30 149
17.6	15.122 175	97.38 212	17.22 37	65.88 227	16.23 28	94.21 284	17.049 92	87.83 182
27.6	14.947 124	95.26 234	16.85 28	63.61 256	15.95 22	91.37 317	16.957 62	86.01 214
9 6.6	14.823 66	92.92 244	16.57 17	61.05 276	15.73 13	88.20 344	16.895 25	83.87 243
16.5	14.757 2	90.48 247	16.40 5	58.29 285	15.60 5	84.76 365	16.870 15	81.44 268
26.5	14.759 97	88.01 238	16.35 8	55.44 283	15.55 6	81.11 378	16.885 61	78.76 290
10 6.5	14.836 153	85.63 219	16.43 22	52.61 269	15.61 15	77.33 384	16.946 110	75.86 306
16.5	14.989 232	83.44 190	16.65 35	49.92 245	15.76 25	73.49 382	17.056 163	72.80 317
26.4	15.221 308	81.54 151	17.00 48	47.47 208	16.01 36	69.67 370	17.219 217	69.63 320
11 5.4	15.529 377	80.03 106	17.48 59	45.39 162	16.37 47	65.97 351	17.436 267	66.43 318
15.4	15.906 435	78.97 54	18.07 69	43.77 110	16.84 55	62.46 320	17.703 315	63.25 306
25.3	16.341 482	78.43 2	18.76 76	42.67 51	17.39 64	59.26 282	17.018 356	60.19 286
12 5.3	16.823 514	78.45 59	19.52 82	42.16 77	18.03 70	56.44 235	18.374 387	57.33 257
15.3	17.337 527	79.04 115	20.34 83	42.27 73	18.73 75	54.09 180	18.761 408	54.76 222
25.3	17.864 526	80.19 168	21.17 84	43.00 134	19.48 77	52.29 120	19.169 415	52.54 177
35.2	18.390	81.87	22.01	44.34	20.25	51.09	19.584	50.97
平均	s 16.078	″ 79.78	s 20.060	″ 45.24	s 18.422	″ 88.66	s 18.594	″ 83.25
Sec δ Tan δ	+1.827	−1.529	+3.210	−3.050	+2.934	+2.759	+1.338	+0.889
2回正中	3月29日		3月30日		3月30日		3月30日	
a b	+0.1659	+0.1012	+0.1793	+0.2017	+0.1283	−0.1822	+0.1453	−0.0587
a′ b′	−0.9924	+0.1230	−0.9918	+0.1276	−0.9907	+0.1360	−0.9907	+0.1361
FK3番号	468		469		472		470	

本初子午線正中時

星名	β Corv		24 Coma sq		α Musc		χ Virg	
等級 スペクトル型	2.84	G5	5.18	K0	2.94	B3	4.78	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 31	° ′ −23 6	h m 12 32	° ′ +18 39	h m 12 34	° ″ −68 50	h m 12 36	° ′ −7 42
	s	″	s	″	s	″	s	″
1 1.3	38.121 354	22.75 224	30.667 350	43.51 194	1.78 72	34.22 168	32.717 338	29.41 220
11.2	38.475 338	24.99 237	31.017 337	41.57 163	2.50 69	35.90 221	33.055 325	31.61 218
21.2	38.813 312	27.36 243	31.354 314	39.94 126	3.19 62	38.11 265	33.380 302	33.79 207
31.2	39.125 279	29.79 243	31.668 283	38.68 88	3.81 56	40.76 303	33.682 272	35.86 192
2 10.1	39.404 241	32.22 235	31.951 245	37.80 48	4.37 48	43.79 333	33.954 236	37.78 172
20.1	39.646 200	34.57 225	32.196 204	37.32 9	4.85 39	47.12 353	34.190 197	39.50 150
3 1.1	39.845 158	36.82 208	32.400 161	37.23 26	5.24 30	50.65 365	34.387 158	41.00 125
11.1	40.003 118	38.90 189	32.561 118	37.49 57	5.54 20	54.30 370	34.545 120	42.25 101
21.0	40.121 79	40.79 169	32.679 79	38.06 82	5.74 11	58.00 365	34.665 83	43.26 76
31.0	40.200 45	42.48 146	32.758 41	38.88 102	5.85 3	61.65 353	34.748 49	44.02 54
4 9.9	40.245 13	43.94 123	32.799 8	39.90 115	5.88 6	65.18 336	34.797 19	44.56 33
19.9	40.258 15	45.17 99	32.807 21	41.05 122	5.82 14	68.54 310	34.816 6	44.89 15
29.9	40.243 38	46.16 77	32.786 44	42.27 123	5.68 21	71.64 279	34.810 29	45.04 2
5 9.9	40.205 59	46.93 52	32.742 63	43.50 118	5.47 28	74.43 244	34.781 48	45.02 16
19.9	40.146 76	47.45 30	32.679 80	44.68 110	5.19 33	76.87 201	34.733 63	44.86 28
29.8	40.070 90	47.75 6	32.599 91	45.78 97	4.86 38	78.88 157	34.670 76	44.58 38
6 8.8	39.980 101	47.81 75	32.508 99	46.75 81	4.48 43	80.45 109	34.594 86	44.20 47
18.8	39.879 109	47.66 37	32.409 104	47.56 63	4.05 45	81.54 57	34.508 92	43.73 54
28.8	39.770 113	47.29 58	32.305 106	48.19 43	3.60 46	82.11 6	34.416 98	43.19 58
7 8.7	39.657 114	46.71 75	32.199 104	48.62 21	3.14 47	82.17 46	34.318 98	42.61 63
18.7	39.543 111	45.96 91	32.095 99	48.83 2	2.67 45	81.71 96	34.220 96	41.98 63
28.7	39.432 103	45.05 104	31.996 91	48.81 25	2.22 43	80.75 143	34.124 88	41.35 62
8 7.7	39.329 90	44.01 112	31.905 78	48.56 49	1.79 38	79.32 186	34.036 78	40.73 58
17.6	39.239 70	42.89 116	31.827 54	48.07 73	1.41 32	77.46 221	33.958 61	40.15 51
27.6	39.169 45	41.73 116	31.768 37	47.34 99	1.09 24	75.25 250	33.897 39	39.64 40
9 6.6	39.124 12	40.57 108	31.731 9	46.35 125	0.85 14	72.75 270	33.858 11	39.24 25
16.5	39.112 24	39.49 95	31.722 24	45.10 149	0.71 5	70.05 278	33.847 22	38.99 7
26.5	39.136 67	38.54 76	31.746 63	43.61 173	0.66 7	67.27 276	33.869 61	38.92 16
10 6.5	39.203 112	37.78 51	31.809 104	41.88 197	0.73 18	64.51 262	33.930 102	39.08 41
16.5	39.315 161	37.27 20	31.913 148	39.91 217	0.91 30	61.89 237	34.032 147	39.49 69
26.4	39.476 208	37.07 14	32.061 193	37.74 234	1.21 42	59.52 202	34.179 191	40.18 98
11 5.4	39.684 253	37.21 50	32.254 237	35.40 246	1.63 51	57.50 158	34.370 234	41.16 127
15.4	39.937 293	37.71 89	32.491 275	32.94 254	2.14 60	55.92 105	34.604 272	42.43 154
25.4	40.230 325	38.60 125	32.766 309	30.40 254	2.74 68	54.87 47	34.876 304	43.97 179
12 5.3	40.555 348	39.85 159	33.075 334	27.86 248	3.42 71	54.40 74	35.180 328	45.76 199
15.3	40.903 361	41.44 189	33.409 350	25.38 233	4.13 74	54.54 74	35.508 341	47.75 213
25.3	41.264 361	43.33 214	33.759 354	23.05 212	4.87 74	55.28 135	35.849 344	49.88 220
35.2	41.625	45.47	34.113	20.93	5.61	56.63	36.193	52.08
平均	s 39.044	″ 33.79	s 31.292	″ 47.07	s 3.570	″ 57.00	s 33.556	″ 34.95
Sec δ Tan δ	+1.087	−0.421	+1.056	+0.338	+2.772	−2.585	+1.009	−0.135
2回正中	3月30日		3月30日		3月31日		3月31日	
a b	+0.1573	+0.0282	+0.1502	−0.0223	+0.1789	+0.1704	+0.1548	+0.0089
a′ b′	−0.9905	+0.1377	−0.9900	+0.1414	−0.9870	+0.1481	−0.9873	+0.1589
FK3番号	471		473		474		475	

本初子午線正中時

星名	† γ Cent m		† γ Virg m		76 U Maj		330 G. Hyda	
等級 スペクトル型	2.38	A0	3.65 3.68	F0 F0	5.92	A0	5.73	K2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 38	° ′ −48 40	h m 12 39	° ′ − 1 9	h m 12 39	° ′ +62 59	h m 12 41	° ′ −28 2
1 1.3	s 37.002	″ 9.14	s 0.567	″ 48.96	s 17.97	″ 38.85	s 12.787	″ 7.24
	1149	197	336	218	61	108	366	216
11.2	37.451	11.11	0.903	51.14	18.58	37.77	13.153	9.40
	1127	235	324	206	39	45	351	235
21.2	37.878	13.46	1.227	53.20	19.17	37.32	13.504	11.75
	396	267	301	190	57	19	326	246
31.2	38.274	16.13	1.528	55.10	19.74	37.51	13.830	14.21
	354	290	272	168	51	81	294	252
2 10.1	38.628	19.03	1.800	56.78	20.25	38.32	14.124	16.73
	307	305	237	143	44	137	255	249
20.1	38.935	22.08	2.037	58.21	20.69	39.69	14.379	19.22
	254	314	199	116	37	187	215	243
3 1.1	39.189	25.22	2.236	59.37	21.06	41.56	14.594	21.65
	202	314	159	88	29	228	173	230
11.1	39.391	28.36	2.395	60.25	21.35	43.84	14.767	23.95
	148	309	121	62	19	258	131	214
21.0	39.539	31.45	2.516	60.87	21.54	46.42	14.898	26.09
	98	297	84	36	10	276	92	195
31.0	39.637	34.42	2.600	61.23	21.64	49.18	14.990	28.04
	50	280	50	14	2	283	55	175
4 9.9	39.687	37.22	2.650	61.37	21.66	52.01	15.045	29.79
	5	258	20	7	7	279	23	152
19.9	39.692	39.80	2.670	61.31	21.59	54.80	15.068	31.31
	36	232	6	22	13	262	8	128
29.9	39.656	42.12	2.664	61.09	21.46	57.42	15.060	32.59
	72	203	28	34	20	238	33	103
5 9.9	39.584	44.15	2.636	60.75	21.26	59.80	15.027	33.62
	104	170	47	45	25	206	55	79
19.9	39.480	45.85	2.589	60.30	21.01	61.86	14.972	34.41
	134	134	63	51	29	165	76	52
29.8	39.346	47.19	2.526	59.79	20.72	63.51	14.896	34.93
	158	96	75	56	31	121	92	27
6 8.8	39.188	48.15	2.451	59.23	20.41	64.72	14.804	35.20
	179	56	85	59	34	72	105	2
18.8	39.009	48.71	2.366	58.64	20.07	65.44	14.699	35.22
	193	16	92	59	35	23	116	24
28.8	38.816	48.87	2.274	58.05	19.72	65.67	14.583	34.98
	203	26	96	58	34	29	123	48
7 8.7	38.613	48.61	2.178	57.47	19.38	65.38	14.460	34.50
	205	64	98	55	34	79	125	71
18.7	38.408	47.97	2.080	56.92	19.04	64.59	14.335	33.79
	202	103	95	50	32	128	124	91
28.7	38.206	46.94	1.985	56.42	18.72	63.31	14.211	32.88
	190	137	88	42	29	175	117	109
8 7.7	38.016	45.57	1.897	56.00	18.43	61.56	14.094	31.79
	170	166	78	33	25	217	104	121
17.6	37.846	43.91	1.819	55.67	18.18	59.39	13.990	30.58
	141	190	61	21	22	257	85	131
27.6	37.705	42.01	1.758	55.46	17.96	56.82	13.905	29.27
	103	208	41	6	16	292	59	133
9 6.6	37.602	39.93	1.717	55.40	17.80	53.90	13.846	27.94
	56	216	13	11	10	322	26	130
16.5	37.546	37.77	1.704	55.51	17.70	50.68	13.820	26.64
	2	216	19	32	4	345	72	121
26.5	37.544	35.61	1.723	55.83	17.66	47.23	13.832	25.43
	39	206	57	56	4	364	57	104
10 6.5	37.603	33.55	1.780	56.39	17.70	43.59	13.889	24.39
	124	188	98	81	11	373	105	80
16.5	37.727	31.67	1.878	57.20	17.81	39.86	13.994	23.59
	190	159	141	107	20	375	155	52
26.4	37.917	30.08	2.019	58.27	18.01	36.11	14.149	23.07
	255	123	186	133	27	370	205	17
11 5.4	38.172	28.85	2.205	59.60	18.28	32.41	14.354	22.90
	315	79	227	159	36	354	253	27
15.4	38.487	28.06	2.432	61.19	18.64	28.87	14.607	23.11
	369	31	267	182	43	331	296	60
25.4	38.856	27.75	2.699	63.01	19.07	25.56	14.903	23.71
	411	20	298	200	49	296	330	101
12 5.3	39.267	27.95	2.997	65.01	19.56	22.60	15.233	24.72
	441	73	323	214	55	254	356	138
15.3	39.708	28.68	3.320	67.15	20.11	20.06	15.589	26.10
	457	124	337	221	58	204	370	172
25.3	40.165	29.92	3.657	69.36	20.69	18.02	15.959	27.82
	458	171	341	221	61	146	373	202
35.2	40.623	31.63	3.998	71.57	21.30	16.56	16.332	29.84
平均	s 38.270	″ 27.67	s 1.375	″ 52.10	s 17.997	″ 53.57	s 13.822	″ 19.67
Sec & Tan	+1.514	−1.137	+1.000	−0.020	+2.202	+1.962	+1.133	−0.533
2回正中	4月 1日		4月 1日		4月 1日		4月 2日	
α b	+0.1661	+0.0747	+0.1536	+0.0013	+0.1310	−0.1289	+0.1397	+0.0349
α′ b′	−0.9858	+0.1678	−0.9855	+0.1694	−0.9853	+0.1706	−0.9839	+0.1789
FK3番号	476		477		478		479	

本初子午線正中時

星名	† β Musc m		β Cruc		150 G. Cent		ε U Maj	
等級 スペクトル型	3.26	B3	1.50	B1	4.34	A5	1.68	A0p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 43	° ′ −67 49	h m 12 44	° ′ −59 23	h m 12 50	° ′ −39 53	h m 12 51	° ′ +56 13
1 1.3	s 2.24	″ 3.24	s 38.449	″ 56.15	s 31.626	″ 31.20	s 44.497	″ 76.40
	71	159	550	173	407	197	516	139
11.2	2.95	4.83	38.999	57.88	32.033	33.17	45.013	75.01
	66	210	527	220	391	228	508	79
21.2	3.61	6.93	39.526	60.08	32.424	35.45	45.521	74.22
	63	256	489	259	365	252	484	16
31.2	4.24	9.49	40.015	62.67	32.789	37.97	46.005	74.06
	55	294	441	293	331	269	444	44
2 10.2	4.79	12.43	40.456	65.60	33.120	40.66	46.449	74.50
	48	325	382	317	290	279	393	102
20.1	5.27	15.68	40.838	68.77	33.410	43.45	46.842	75.52
	40	345	319	333	246	281	330	154
3 1.1	5.67	19.13	41.157	72.10	33.656	46.26	47.172	77.06
	32	359	253	342	200	278	262	198
11.1	5.99	22.72	41.410	75.52	33.856	49.04	47.434	79.04
	22	364	187	342	154	269	189	232
21.0	6.21	26.36	41.597	78.94	34.010	51.73	47.623	81.36
	14	361	122	337	110	256	118	255
31.0	6.35	29.97	41.719	82.31	34.120	54.29	47.741	83.91
	5	352	60	324	69	238	47	268
4 9.9	6.40	33.49	41.779	85.55	34.189	56.67	47.788	86.59
	3	334	1	305	30	217	17	268
19.9	6.37	36.83	41.780	88.60	34.219	58.84	47.771	89.27
	10	311	55	280	5	193	76	259
29.9	6.27	39.94	41.725	91.40	34.214	60.77	47.695	91.86
	17	282	105	252	36	166	127	240
5 9.9	6.10	42.76	41.620	93.92	34.178	62.43	47.568	94.26
	24	247	151	217	65	138	171	213
19.9	5.86	45.23	41.469	96.09	34.113	63.81	47.397	96.39
	30	207	193	179	91	106	205	178
29.9	5.56	47.30	41.276	97.88	34.022	64.87	47.192	98.17
	35	163	228	138	113	74	232	138
6 8.8	5.21	48.93	41.048	99.26	33.909	65.61	46.960	99.55
	38	116	257	93	131	41	251	95
18.8	4.83	50.09	40.791	100.19	33.778	66.02	46.709	100.50
	42	66	280	47	146	6	262	48
28.8	4.41	50.75	40.511	100.66	33.632	66.08	46.447	100.98
	44	15	294	0	156	27	266	0
7 8.7	3.97	50.90	40.217	100.66	33.476	65.81	46.181	100.98
	44	37	300	46	162	60	262	48
18.7	3.53	50.53	39.917	100.20	33.314	65.21	45.919	100.50
	43	86	295	92	161	90	253	96
28.7	3.10	49.67	39.622	99.28	33.153	64.31	45.666	99.54
	41	133	280	134	155	119	235	142
8 7.7	2.69	48.34	39.342	97.94	32.998	63.12	45.431	98.12
	37	176	253	172	140	142	210	184
17.6	2.32	46.58	39.089	96.22	32.858	61.70	45.221	96.28
	32	213	215	203	119	161	179	226
27.6	2.00	44.45	38.874	94.19	32.739	60.09	45.042	94.02
	24	242	164	229	89	174	141	261
9 6.6	1.76	42.03	38.710	91.90	32.650	58.35	44.901	91.41
	16	263	103	245	51	179	94	295
16.6	1.60	39.40	38.607	89.45	32.599	56.56	44.807	88.46
	6	274	31	251	6	177	42	321
26.5	1.54	36.66	38.576	86.94	32.593	54.79	44.765	85.25
	4	273	48	248	46	165	17	342
10 6.5	1.58	33.93	38.624	84.46	32.639	53.14	44.782	81.83
	16	261	131	233	101	147	82	358
16.5	1.74	31.32	38.755	82.13	32.740	51.67	44.864	78.25
	27	238	217	209	159	120	150	365
26.4	2.01	28.94	38.972	80.04	32.899	50.47	45.014	74.60
	38	205	300	174	218	85	219	365
11 5.4	2.39	26.89	39.272	78.30	33.117	49.62	45.233	70.95
	48	162	377	131	272	46	289	356
15.4	2.87	25.27	39.649	76.99	33.389	49.16	45.522	67.39
	57	111	445	81	321	1	353	338
25.4	3.44	24.16	40.094	76.18	33.710	49.15	45.875	64.01
	64	55	499	27	361	45	411	310
12 5.3	4.08	23.61	40.593	75.91	34.071	49.60	46.286	60.91
	69	5	537	30	391	90	458	273
15.3	4.77	23.66	41.130	76.21	34.462	50.50	46.744	58.18
	71	65	559	88	409	135	493	228
25.3	5.48	24.31	41.689	77.09	34.871	51.85	47.237	55.90
	71	124	562	141	413	176	512	176
35.3	6.19	25.55	42.251	78.50	35.284	53.61	47.749	54.14
平均	s 4.148	″ 25.62	s 40.031	″ 76.97	s 32.872	″ 47.01	s 44.817	″ 90.35
Sec & Tan	+2.649	−2.453	+1.965	−1.691	+1.303	−0.836	+1.800	+1.496
2回正中	4月 2日		4月 2日		4月 4日		4月 4日	
α b	+0.1839	+0.1607	+0.1752	+0.1106	+0.1655	+0.0544	+0.1310	−0.0972
α′ b′	−0.9824	+0.1868	−0.9811	+0.1937	−0.9758	+0.2188	−0.9746	+0.2239
FK3番号	480		481		482		483	

本初子午線正中時

星名	δ Virg		8 Drac		α C Ven sq		δ Musc	
等スペクトル型	3.66	M0	5.27	F0	2.90	A0p	3.63	K2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 52	° ′ + 3 40	h m 12 53	° ′ +65 42	h m 12 53	° ′ +38 35	h m 12 58	° ′ -71 15
	s	″	s	″	s	″	s	″
1 1.3	58.085 338	47.76 215	24.57 66	57.21 119	35.292 399	45.55 176	37.30 82	45.90 129
11.2	58.423 328	45.61 200	25.23 64	56.02 56	35.691 392	43.79 127	38.12 79	47.19 185
21.2	58.751 309	43.61 178	25.87 62	55.46 9	36.083 371	42.52 74	38.91 74	49.04 233
31.2	59.060 282	41.83 152	26.49 58	55.55 73	36.454 341	41.78 21	39.65 68	51.37 276
2 10.2	59.342 248	40.31 123	27.07 50	56.28 132	36.795 301	41.57 31	40.33 59	54.13 310
20.1	59.590 212	39.08 92	27.57 42	57.60 184	37.096 255	41.88 81	40.92 51	57.23 336
3 1.1	59.802 173	38.16 62	27.99 34	59.44 227	37.351 206	42.69 123	41.43 41	60.59 354
11.1	59.975 134	37.54 33	28.33 23	61.71 260	37.557 154	43.92 159	41.84 30	64.13 364
21.0	60.109 98	37.21 7	28.56 14	64.31 281	37.711 105	45.51 185	42.14 21	67.77 365
31.0	60.207 64	37.14 17	28.70 4	67.12 290	37.816 58	47.36 204	42.35 11	71.42 361
4 9.9	60.271 33	37.31 35	28.74 4	70.02 288	37.874 13	49.40 212	42.46 1	75.03 347
19.9	60.304 5	37.66 49	28.70 14	72.90 274	37.887 25	51.52 211	42.47 8	78.50 328
29.9	60.309 18	38.15 60	28.56 20	75.64 250	37.862 59	53.63 203	42.39 17	81.78 302
5 9.9	60.291 38	38.75 67	28.36 27	78.14 219	37.803 88	55.66 186	42.22 25	84.80 269
19.9	60.253 56	39.42 70	28.09 31	80.33 179	37.715 111	57.52 164	41.97 33	87.49 232
29.9	60.197 70	40.12 70	27.78 36	82.12 134	37.604 129	59.16 135	41.64 39	89.81 190
6 8.8	60.127 82	40.82 69	27.42 38	83.46 86	37.475 143	60.51 103	41.25 45	91.71 143
18.8	60.045 91	41.51 64	27.04 40	84.32 36	37.332 152	61.54 69	40.80 49	93.14 94
28.8	59.954 97	42.15 57	26.64 40	84.68 17	37.180 157	+62.23 31	40.31 52	94.08 42
7 8.7	59.857 100	42.72 49	26.24 39	84.51 69	37.023 157	62.54 7	39.79 54	94.50 11
18.7	59.757 99	43.21 40	25.85 38	83.82 119	36.866 152	62.47 45	39.25 53	94.39 62
28.7	59.658 95	43.61 28	25.47 35	82.63 168	36.714 144	62.02 83	38.72 51	93.77 113
8 7.7	59.563 86	43.89 14	25.12 32	80.95 213	36.570 129	61.19 120	38.21 47	92.64 158
17.6	59.477 72	44.03 2	24.80 27	78.82 254	36.441 109	59.99 156	37.74 41	91.06 199
27.6	59.405 51	44.01 19	24.53 22	76.28 291	36.332 83	58.43 190	37.33 34	89.07 234
9 6.6	59.354 26	43.82 39	24.31 16	73.37 323	36.249 52	56.53 222	36.99 23	86.73 260
16.6	59.328 5	43.43 61	24.15 8	70.14 348	36.197 13	54.31 249	36.76 13	84.13 275
26.5	59.333 42	42.82 84	24.07 1	66.66 367	36.184 30	51.82 275	36.63 7	81.38 280
10 6.5	59.375 83	41.98 109	24.06 8	62.99 379	36.214 78	49.07 294	36.64 13	78.58 274
16.5	59.458 126	40.89 135	24.14 17	59.20 383	36.292 129	46.13 310	36.77 26	75.84 256
26.4	59.584 172	39.54 159	24.31 26	55.37 379	36.421 183	43.03 319	37.03 40	73.28 226
11 5.4	59.756 215	37.95 181	24.57 34	51.58 365	36.604 234	39.84 320	37.43 52	71.02 188
15.4	59.971 256	36.14 201	24.91 44	47.93 341	36.838 284	36.64 315	37.95 63	69.14 139
25.4	60.227 290	34.13 216	25.35 51	44.52 309	37.122 327	33.49 299	38.58 71	67.75 86
12 5.3	60.517 316	31.97 224	25.86 57	41.43 267	37.449 361	30.50 276	39.29 78	66.89 26
15.3	60.833 334	29.73 227	26.43 62	38.76 216	37.810 386	27.74 245	40.07 82	66.63 34
25.3	61.167 341	27.46 223	27.05 64	36.60 159	38.196 399	25.29 205	40.89 83	66.97 94
35.3	61.508	25.23	27.69	35.01	38.595	23.24	41.72	67.91
平位	s 58.941	″ 46.72	s 24.667	″ 72.63	s 35.869	″ 55.62	s 39.765	″ 68.26
Sec.δ Tanδ	+1.002	+0.064	+2.432	+2.217	+1.280	+0.798	+3.114	-2.949
2回正中	4月 5日		4月 5日		4月 5日		4月 6日	
a b	+0.1524	-0.0042	+0.1192	-0.1438	+0.1410	-0.0518	+0.2031	+0.1902
a′ b′	-0.9734	+0.2291	-0.9730	+0.2309	-0.9728	+0.2317	-0.9674	+0.2532
FK3番号	484		486		485		487	

本初子午線正中時

星名	ε Virg		ξ² Cent		ϑ Virg		17 C Ven	
等スペクトル型	2.95	K0	4.40	B3	4.44	A0	6.04	F0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 12 59	° ′ +11 13	h m 13 3	° ′ -49 37	h m 13 7	° ′ - 5 15	h m 13 7	° ′ +38 45
	s	″	s	″	s	″	s	″
1 1.3	34.402 342	75.88 213	50.181 464	23.27 167	14.253 340	38.80 215	39.376 398	78.88 189
11.2	34.744 334	73.75 189	50.645 450	24.94 208	14.593 332	40.95 211	39.774 394	76.99 139
21.2	35.078 316	71.86 159	51.095 423	27.02 242	14.925 314	43.06 198	40.168 377	75.60 86
31.2	35.394 289	70.27 127	51.518 388	29.44 269	15.239 290	45.04 181	40.545 349	74.74 32
2 10.2	35.683 258	69.00 91	51.906 344	32.13 288	15.529 258	46.85 160	40.894 312	74.42 22
20.1	35.941 220	68.09 55	52.250 295	35.01 300	15.787 224	48.45 136	41.206 269	74.64 72
3 1.1	36.161 182	67.54 20	52.545 244	38.01 305	16.011 186	49.81 110	41.475 222	75.36 117
11.1	36.343 142	67.34 11	52.789 193	41.06 303	16.197 150	50.91 85	41.697 171	76.53 156
21.1	36.485 105	67.45 38	52.982 142	44.09 296	16.347 114	51.76 60	41.868 122	78.09 184
31.0	36.590 69	67.83 62	53.124 93	47.05 284	16.461 81	52.36 37	41.990 75	79.93 205
4 9.9	36.659 38	68.45 79	53.217 46	49.89 265	16.542 50	52.73 17	42.065 30	81.98 216
19.9	36.697 8	69.24 92	53.263 3	52.54 244	16.592 22	52.90 1	42.095 70	84.14 217
29.9	36.705 76	70.16 98	53.266 37	54.98 218	16.614 2	52.89 15	42.085 45	86.31 211
5 9.9	36.689 38	71.14 100	53.229 74	57.16 188	16.612 24	52.74 28	42.040 76	88.42 196
19.9	36.651 57	72.14 98	53.155 108	59.04 155	16.588 44	52.46 37	41.964 102	90.38 174
29.9	36.594 71	73.12 92	53.047 139	60.59 119	16.544 60	52.09 44	41.862 123	92.12 147
6 8.8	36.523 85	74.04 83	52.908 164	61.78 82	16.484 74	51.65 50	41.739 139	93.59 115
18.8	36.438 94	74.87 72	52.744 186	62.60 42	16.410 87	51.15 54	41.600 151	94.74 81
28.8	36.344 100	75.59 58	52.558 202	63.02 2	16.323 95	50.61 55	41.449 159	95.55 44
7 8.8	36.244 105	76.17 42	52.356 212	63.04 38	16.228 101	50.06 56	41.290 162	95.99 5
18.7	36.139 104	76.59 25	52.144 213	62.66 76	16.127 104	49.50 54	41.128 160	96.04 34
28.7	36.035 101	76.84 7	51.931 208	61.90 113	16.023 101	48.96 51	40.968 154	95.70 74
8 7.7	35.934 92	76.91 13	51.723 194	60.77 146	15.922 95	48.45 44	40.814 142	94.96 111
17.6	35.842 78	76.78 34	51.529 168	59.31 172	15.827 82	48.01 36	40.672 123	93.85 168
27.6	35.764 59	76.44 57	51.361 134	57.59 194	15.745 63	47.65 24	40.549 100	92.37 184
9 6.6	35.705 33	75.87 79	51.227 90	55.65 208	15.682 38	47.41 10	40.449 69	90.53 217
16.6	35.672 3	75.08 104	51.137 38	53.57 213	15.644 8	47.31 9	40.380 32	88.36 246
26.5	35.669 35	74.04 130	51.099 24	51.44 209	15.636 30	47.40 30	40.348 77	85.90 273
10 6.5	35.704 75	72.74 153	51.123 90	49.35 196	15.666 71	47.70 53	40.359 58	83.17 295
16.5	35.779 119	71.21 177	51.213 159	47.39 172	15.737 116	48.23 80	40.417 111	80.22 311
26.5	35.898 165	69.44 199	51.372 227	45.67 142	15.853 162	49.03 106	40.528 164	77.11 323
11 5.4	36.063 209	67.45 217	51.599 293	44.25 102	16.015 207	50.09 134	40.692 218	73.88 325
15.4	36.272 250	65.28 232	51.892 352	43.23 57	16.222 249	51.43 158	40.910 269	70.63 321
25.4	36.522 287	62.96 240	52.244 401	42.66 9	16.471 285	53.01 181	41.179 314	67.42 309
12 5.3	36.809 316	60.56 242	52.645 438	42.57 43	16.756 314	54.82 198	41.493 352	64.33 286
15.3	37.125 334	58.14 237	53.083 461	43.00 92	17.070 333	56.80 210	41.845 380	61.47 256
25.3	37.459 344	55.77 225	53.544 470	43.92 141	17.403 342	58.90 216	42.225 395	58.91 216
35.3	37.803	53.52	54.014	45.33	17.745	61.06	42.620	56.75
平位	s 35.240	″ 77.65	s 51.727	″ 41.23	s 15.260	″ 42.60	s 40.046	″ 89.31
Sec.δ Tanδ	+1.020	+0.199	+1.544	-1.176	+1.004	-0.092	+1.283	+0.803
2回正中	4月 6日		4月 7日		4月 8日		4月 8日	
a b	+0.1499	-0.0128	+0.1749	+0.0754	+0.1551	+0.0059	+0.1378	-0.0512
a′ b′	-0.9664	+0.2571	-0.9614	+0.2751	-0.9573	+0.2893	-0.9567	+0.2910
FK3番号	488		489		490		491	

本初子午線正中時

星名	β Coma		η Musc		20 C Ven		γ Hyda	
等級 スペクトル型	4.32	G0	4.95	B8	4.66	F0	3.33	G5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	13h 9m	+28° 7′	13h 11m	−67° 36′	13h 15m	+40° 50′	13h 16m	−22° 53′
	s	″	s	″	s	″	s	″
1 1.3	26.089	80.86	39.44	49.26	12.076	34.09	4.140	42.32
11.3	26.453 364	78.86 200	40.15 71	50.46 120	12.481 405	32.17 192	4.500 360	44.31 199
21.2	26.813 360	77.27 159	40.85 70	52.19 173	12.883 402	30.75 142	4.852 352	46.44 213
31.2	27.155 342	76.12 115	41.51 66	54.40 221	13.271 388	29.88 87	5.187 335	48.65 221
		67		263	361	31	310	222
2 10.2	27.473	75.45	42.12	57.03	13.632	29.57	5.497	50.87
20.1	27.756 283	75.26 19	42.66 54	59.98 295	13.957 325	29.81 24	5.775 278	53.05 218
	245	27	47	322	281	76	243	209
3 1.1	28.001 202	75.53 69	43.13 38	63.20 340	14.238 234	30.57 122	6.018 205	55.14 196
11.1	28.203 158	76.22 106	43.51 31	66.60 351	14.472 184	31.79 162	6.223 167	57.10 180
21.1	28.361 116	77.28 136	43.82 22	70.11 353	14.656 132	33.41 193	6.390 131	58.90 162
31.0	28.477 75	78.64 158	44.04 14	73.64 349	14.788 84	35.34 214	6.521 95	60.52 142
4 10.0	28.552 36	80.22 172	44.18 6	77.13 337	14.872 37	37.48 225	6.616 63	61.94 122
19.9	28.588 3	81.94 178	44.24 3	80.50 319	14.909 5	39.73 227	6.679 33	63.16 102
29.9	28.591 27	83.72 177	44.21 9	83.69 295	14.904 43	42.00 220	6.712 5	64.18 82
5 9.9	28.564 54	85.49 169	44.12 17	86.64 266	14.861 75	44.20 206	6.717 19	65.00 62
19.9	28.510 76	87.18 154	43.95 23	89.30 230	14.786 103	46.26 183	6.698 42	65.62 42
29.9	28.434 94	88.72 136	43.72 30	91.60 190	14.683 127	48.09 155	6.656 63	66.04 22
6 8.8	28.340 109	90.08 111	43.42 34	93.50 146	14.556 145	49.64 123	6.593 80	66.26 2
18.8	28.231 120	91.19 85	43.08 38	94.96 100	14.411 159	50.87 87	6.513 96	66.28 16
28.8	28.111 128	92.04 56	42.70 42	95.96 49	14.252 168	51.74 48	6.417 109	66.12 35
7 8.8	27.983 132	92.60 25	42.28 43	96.45 7	14.084 172	52.22 8	6.308 117	65.77 52
18.7	27.851 132	92.85 6	41.85 44	96.44 51	14.912 172	52.30 33	6.191 122	65.25 67
28.7	27.719 128	92.79 39	41.41 42	95.93 99	13.740 167	51.97 73	6.069 121	64.58 80
8 7.7	27.591 119	92.40 71	40.99 40	94.94 145	13.573 155	51.24 113	5.948 114	63.78 91
17.7	27.474 103	91.69 103	40.59 36	93.49 186	13.418 138	50.11 152	5.834 102	62.87 97
27.6	27.371 83	90.66 135	40.23 29	91.63 220	13.280 114	48.59 188	5.732 82	61.90 99
9 6.6	27.288 55	89.31 164	39.94 22	89.43 246	13.166 83	46.71 222	5.650 54	60.91 95
16.6	27.233 22	87.67 193	39.72 12	86.97 262	13.083 46	44.49 253	5.596 20	59.96 88
26.5	27.211 76	85.74 220	39.60 2	84.35 270	13.037 1	41.96 280	5.576 21	59.08 73
10 6.5	27.227 61	83.54 244	39.58 9	81.65 264	13.036 46	39.16 303	5.597 66	58.35 54
16.5	27.288 107	81.10 263	39.67 20	79.01 249	13.082 100	36.13 319	5.663 115	57.81 28
26.5	27.395 157	78.47 279	39.87 32	76.52 222	13.182 156	32.94 331	5.778 167	57.53 0
11 5.4	27.552 205	75.68 288	40.19 43	74.30 185	13.338 211	29.63 334	5.945 215	57.53 33
15.4	27.757 251	72.80 290	40.62 52	72.45 140	13.549 264	26.29 329	6.160 261	57.86 66
25.4	28.008 293	69.90 286	41.14 60	71.05 87	13.813 312	23.00 316	6.421 301	58.52 101
12 5.4	28.301 326	67.04 273	41.74 66	70.18 32	14.125 352	19.84 293	6.722 331	59.53 133
15.3	28.627 350	64.31 252	42.40 71	69.86 27	14.477 382	16.91 261	7.053 352	60.86 162
25.3	28.977 363	61.79 222	43.11 72	70.13 86	14.859 400	14.30 221	7.405 362	62.48 186
35.3	29.340	59.57	43.83	70.99	15.259	12.09	7.767	64.34
中位	s 26.851	″ 88.39	s 41.848	″ 70.58	s 12.779	″ 45.21	s 5.366	″ 51.94
Sec δ Tan δ	+1.134	+0.535	+2.626	−2.429	+1.322	+0.865	+1.086	−0.422
2回正中	4月 9日		4月 9日		4月10日		4月10日	
a b	+0.1427	−0.0340	+0.2032	+0.1541	+0.1348	−0.0546	+0.1625	+0.0266
a′ b′	−0.9544	+0.2984	−0.9515	+0.3078	−0.9466	+0.3223	−0.9454	+0.3259
FK3番号	492		493		494		495	

本初子午線正中時

星名	ι Cent		ζ U Maj pr		α Virg		Grb 2001 U Min	
等級 スペクトル型	2.91	A2	2.40	A2p	1.21	B2	6.07	K5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	13h 17m	−36° 26′	13h 21m	+55° 11′	13h 22m	−10° 53′	13h 24m	+72° 39′
	s	″	s	″	s	″	s	″
1 1.3	38.514	492	49.479	32.81	25.841	20.51	48.00	23.49
11.3	38.910 396	6.69 177	49.975 496	31.04 177	26.185 344	22.59 208	48.84 84	22.03 146
21.2	39.298 388	8.75 206	50.472 497	29.87 117	26.523 338	24.69 210	49.69 85	21.22 81
31.2	39.667 369	11.03 228	50.955 483	29.32 55	26.845 322	26.73 204	50.52 83	21.09 13
	341	244	455	8	300	194	79	53
2 10.2	40.008	13.47	51.410	29.40	27.145	28.67	51.31	21.62
20.1	40.314 306	16.00 253	51.821 411	30.09 69	27.416 271	30.45 178	52.03 72	22.78 116
	267	255	359	125	237	158	62	173
3 1.1	40.581	18.55 252	52.180	31.34	27.653	32.03	52.65	24.51
11.1	40.807 226	21.07 245	52.477 297	33.09 175	27.856 203	33.41 138	53.17 52	26.72 221
21.1	40.991 184	23.52 232	52.709 232	35.24 215	28.022 166	34.56 115	53.56 39	29.31 259
31.0	41.134 143	25.84 218	52.872 163	37.69 245	28.153 131	35.47 91	53.82 26	32.17 286
	104		97	265	98	70	12	301
4 10.0	41.238	28.02 199	52.969	40.34 273	28.251	36.17 50	53.94 0	35.18 303
19.9	41.304 66	30.01 179	53.001 32	43.07 270	28.318 67	36.67 31	53.94 13	38.21 294
29.9	41.336 32	31.80 156	52.973 28	45.77 257	28.356 38	36.98 15	53.81 24	41.15 274
	0		82		12			
5 9.9	41.336	33.36 131	52.891	48.34 235	28.368 11	37.13 0	53.57	43.89 245
19.9	41.305 31	34.67 105	52.762 129	50.69 206	28.357 33	37.13 13	53.23 34	46.34 208
29.9	41.248 57	35.72 77	52.592 170	52.75 169	28.324 52	37.00 24	53.80 43	48.42 164
	83		204				50	
6 8.8	41.165	34.49 49	52.388	54.44 129	28.272	36.76 33	52.30	50.06
18.8	41.060 105	34.98 18	52.158 230	55.73 84	28.204 68	36.43 42	51.75 55	51.21 115
28.8	40.936 124	37.16 11	51.908 250	56.57 36	28.120 84	36.01 48	51.16 59	51.85 64
	138		261		96		61	10
7 8.8	40.798	37.05 40	51.647	56.93 11	28.024	35.53 54	50.55	51.95 44
18.7	40.648 150	*36.65 68	51.379 268	56.82 60	27.920 104	34.99 57	49.94 61	51.51 97
28.7	40.493 155	35.97 94	51.114 265	56.22 108	27.811 109	34.42 59	49.33 61	50.54 148
	154		256		110		58	
8 7.7	40.339	35.03 116	50.858	55.14 153	27.701	33.83 58	48.75	49.06
17.7	40.193 146	33.87 134	50.618 240	53.61 197	27.596 105	33.25 55	48.20 55	47.09 197
27.6	40.063 130	32.53 148	50.402 216	51.64 237	27.501 95	32.70 47	47.71 49	44.67 242
	107		183		77		43	283
9 6.6	39.956	31.05 154	50.219	49.27 273	27.424	32.23 37	47.28	41.84
16.6	39.882 74	29.51 153	50.076 143	46.54 305	27.371 53	31.86 23	46.93 35	38.66 318
26.5	39.848 34	27.98 146	49.981 95	43.49 332	27.349 22	31.63 4	46.68 25	35.19 347
	14		39		15		15	371
10 6.5	39.862	26.52 131	49.942	40.17 352	27.364	31.59 18	46.53	31.48
16.5	39.929 67	25.21 108	49.945 23	36.65 366	27.421 57	31.77 43	46.49 4	27.62 386
26.5	40.052 123	24.13 79	50.055 90	32.99 371	27.524 103	32.20 70	46.51 8	23.68 394
	180		160		151		21	392
11 5.4	40.232	23.34 43	50.215	29.28 368	27.675	32.90 98	46.78	19.76
15.4	40.418 236	22.91 4	50.446 231	25.60 356	27.873 198	33.88 127	47.11 33	15.94 382
25.4	40.756 288	22.87 38	50.745 299	22.04 333	28.114 241	35.15 152	47.56 45	12.33 361
	331		362		280		58	331
12 5.4	41.087	23.25 80	51.107	18.71 302	28.394	36.67 175	48.14	9.02
15.3	41.452 365	24.05 120	51.522 415	15.69 261	28.705 311	38.42 193	48.80 66	*6.11 291
25.3	41.840 388	25.25 157	51.979 457	13.08 212	29.038 333	40.35 204	49.56 76	3.69 242
35.3	42.239 399	26.82	52.445 486	10.96	29.382 344	42.39	50.37 81	1.84 185
中位	s 39.930	″ 18.75	s 50.087	″ 47.14	s 26.988	″ 25.81	s 48.299	″ 40.15
Sec δ Tan δ	+1.243	−0.738	+1.752	+1.439	+1.018	−0.192	+3.355	+3.203
2回正中	4月 11日		4月 12日		4月 12日		4月 13日	
a b	+0.1697	+0.0464	+0.1198	−0.0899	+0.1579	+0.0120	+0.0761	−0.1991
a′ b′	−0.9431	+0.3324	−0.9369	+0.3495	−0.9360	+0.3521	−0.9323	+0.3616
FK3番号	496		497		498		499	

本初子午線正中時

星名	69 H.U Maj				ζ Virg				17 H.C Ven				49 G.Cham			
等級 スペクトル型	5.41		A0		3.44		A2		4.96		F0		6.44		A0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h 13	m 26	″ +60	′ 12	h 13	m 32	° −0	′ 19	h 13	m 32	° +37	′ 26	h 13	m 34	° −75	′ 24
	s		″		s		″		s		″		s		″	
1 1.3	32.12	55	34.72	173	1.334	336	49.42	214	27.711	388	43.08	212	37.80	103	49.27	68
11.3	32.67	55	32.99	112	1.670	334	51.56	205	28.099	388	40.96	184	38.83	103	49.95	126
21.2	33.22	54	31.87	47/17	2.004	321	53.61	188	28.487	377	39.32	111	39.86	99	51.21	179
31.2	33.76	51	31.40		2.325	300	55.49	167	28.864	356	38.21	57	40.85	93	53.00	227
2 10.2	34.27	47	31.57	81	2.625	273	57.16	140	29.220	325	37.64	3/51	41.78	85	55.27	268
20.2	34.74	41	32.38	137	2.898	242	58.56	113	29.545	286	39.61		42.63	75	57.95	303
3 1.1	35.15	33	33.75	188	3.140	207	59.69	84	29.831	243	38.12	98	43.38	64	60.98	329
11.1	35.48	27	35.63	228	3.347	172	60.53	55	30.074	197	39.10	140	44.02	53	64.27	348
21.1	35.75	18	37.91	259	3.519	137	61.08	29	30.271	150	40.50	174	44.55	40	67.75	358
31.0	35.93	11	40.50	278	3.656	104	61.37	4	30.421	105	42.24	198	44.95	28	71.33	363
4 10.0	36.04	3/4	43.28	285	3.760	73	61.41	15	30.526	60	44.22	215	45.23	15	74.96	358
19.9	36.07		46.13	282	3.833	44	61.26	33	30.586	20/17	46.37	220	45.38	3/10	78.54	347
29.9	36.03	10	48.95	267	3.877	18	60.93	45	30.606		48.57	218	45.41		82.01	329
5 9.9	35.93	16	51.62	244	3.895	5	60.48	54	30.589	50	50.75	207	45.31	21	85.30	304
19.9	35.77	21	54.06	213	3.890	28	59.94	61	30.539	79	52.82	189	45.10	32	88.34	273
29.9	35.56	25	56.19	174	3.862	48	59.33	63	30.460	104	54.71	164	44.78	43	91.07	236
6 8.9	35.31	28	57.93	131	3.814	64	58.70	65	30.356	124	56.35	136	44.35	52	93.43	193
18.8	35.03	30	59.24	85	3.750	80	58.05	63	30.232	142	57.71	103	43.83	59	95.36	147
28.8	34.73	32	60.09	34	3.670	93	57.42	59	30.090	154	58.74	66	43.24	65	96.83	96
7 8.8	34.41	33	60.43	16	3.577	102	56.83	54	29.936	162	59.40	29/10	42.59	70	97.79	44/9
18.7	34.08	33	60.27	66	3.475	108	56.29	47	29.774	165	59.69		41.89	71	98.23	
28.7	33.75	31	59.61	115	3.367	110	55.82	39	29.609	164	59.59	50	41.18	71	98.14	64
8 7.7	33.44	29	58.46	163	3.257	107	55.43	28	29.445	157	59.09	89	40.47	68	97.50	114
17.7	33.15	27	56.83	207	3.150	97	55.15	16	29.288	143	58.20	127	39.79	62	96.36	162
27.6	32.88	23	54.76	249	3.053	82	54.99	1	29.145	123	56.93	163	39.17	53	94.74	204
9 6.6	32.65	19	52.27	286	2.971	60	54.98	17	29.022	95	55.30	199	38.64	43	92.70	239
16.6	32.46	13	49.41	317	2.911	31/4	55.15	35	28.927	62	53.31	231	38.21	30	90.31	264
26.6	32.33	6	46.24	345	2.880		55.50	59	28.865	21	51.00	261	37.91	14	87.67	281
10 6.5	32.27	0	42.79	364	2.884	45	56.09	81	28.844	26	48.39	285	37.77	2	84.86	285
16.5	32.27	8	39.15	377	2.929	89	56.90	106	28.870	77	45.54	306	37.79	19	82.01	278
26.5	32.35	16	35.38	381	3.018	135	57.96	131	28.947	131	42.48	320	37.98	37	79.23	259
11 5.4	32.51	24	31.57	376	3.153	183	59.27	156	29.078	185	39.28	328	38.35	53	76.64	229
15.4	32.75	31	27.81	362	3.336	226	60.83	177	29.263	239	36.00	328	38.88	68	74.35	189
25.4	33.06	39	24.19	338	3.562	266	62.60	196	29.502	287	32.72	318	39.56	81	72.46	142
12 5.4	33.45	45	20.81	304	3.828	298	64.56	209	29.789	328	29.54	301	40.37	91	71.04	86
15.3	33.90	50	17.77	261	4.126	322	66.65	218	30.117	360	26.53	273	41.28	99	70.18	29/31
25.3	34.40	53	15.16	209	4.448	335	68.83	218	30.477	381	23.80	238	42.27	103	69.89	
35.3	34.93		13.07		4.783		71.01		30.858		21.42		43.30		70.20	
中位	s 32.709		″ 49.94		s 2.446		″ 50.74		s 28.559		″ 53.64		s 41.721		″ 70.55	
Sec&Tan δ	+2.013		+1.747		+1.000		−0.006		+1.260		+0.766		+3.972		−3.844	
Z回正中	4月13日				4月14日				4月15日				4月15日			
a b	+0.1104		−0.1083		+0.1535		+0.0004		+0.1333		−0.0470		+0.2562		+0.2347	
a′ b′	−0.9295		+0.3887		−0.9204		+0.3909		−0.9197		+0.3926		−0.9159		+0.4015	
FK3番号	500				501				502				503			

本初子午線正中時

星名	Grb 2029 U Min				ε Cent				1 Cent				τ Boot			
等級 スペクトル型	5.67		K0		2.56		B1		4.36		F5		4.51		F5	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h 13	m 35	° +71	′ 29	h 13	m 36	° −53	′ 11	h 13	m 42	° −32	′ 46	h 13	m 44	° +17	′ 42
	s		″		s		″		s		″		s		″	
1 1.3	55.25	78	66.79	163	32.730	498	52.12	121	41.955	384	41.70	163	46.353	341	49.69	226
11.3	56.03	80	65.16	99	33.228	494	53.33	166	42.339	381	43.33	188	46.694	342	47.43	196
21.2	56.83	79	64.17	31/36	33.722	474	54.99	204	42.720	368	45.21	207	47.036	333	45.47	161
31.2	57.62	76	63.86		34.196	446	57.03	236	43.088	346	47.28	220	47.369	315	43.86	122
2 10.2	58.38	69	64.22	100	34.642	406	59.39	262	43.434	316	49.48	228	47.684	290	42.64	80
20.2	59.07	61	65.22	158	35.048	360	62.01	281	43.750	283	51.76	229	47.974	258	41.84	38
3 1.1	59.68	52	66.80	210	35.408	312	64.82	292	44.033	245	54.05	226	48.232	223	41.46	3
11.1	60.20	39	68.90	250	35.720	259	67.74	299	44.278	208	56.31	217	48.455	187	41.49	41
21.1	60.59	28	71.40	280	35.979	208	70.73	298	44.486	170	58.48	207	48.642	150	41.90	73
31.1	60.87	15	74.20	298	36.187	156	73.71	291	44.656	133	60.55	193	48.792	113	42.63	100
4 10.0	61.02	3/8	77.18	303	36.343	105	76.62	281	44.789	97	62.48	177	48.905	80	43.63	121
19.9	61.05		80.21	298	36.448	56	79.43	264	44.886	63	64.25	158	48.985	48	44.84	134
29.9	60.97	20	83.19	281	36.504	9	82.07	243	44.949	32	65.83	140	49.033	18	46.18	141
5 9.9	60.77	29	86.00	254	36.513	36	84.50	219	44.981	0/28	67.23	118	49.051	8	47.59	143
19.9	60.48	37	88.54	219	36.477	79	86.69	189	44.981		68.41	97	49.043	33	49.02	137
29.9	60.11	45	90.73	178	36.398	118	88.58	157	44.953	54	69.38	73	49.010	55	50.39	128
6 8.9	59.66	50	92.51	131	36.280	154	90.15	121	44.899	80	70.11	49	48.955	75	51.67	114
18.8	59.16	54	93.82	80	36.126	186	91.36	83	44.819	102	70.60	24/1	48.880	91	52.81	97
28.8	58.62	57	94.62	27	35.940	212	92.19	42	44.717	121	70.84		48.789	105	53.78	76
7 8.8	58.05	58	94.89	26	35.728	230	92.61	2/40	44.596	136	70.83	27	48.684	116	54.54	54
18.8	57.47	58	94.63	80	35.498	242	92.63		44.460	145	70.56	50	48.568	124	55.08	31
28.7	56.89	56	93.83	131	35.256	245	92.23	79	44.315	151	70.06	73	48.444	126	55.39	5
8 7.7	56.33	53	92.52	181	35.011	236	91.44	116	44.164	147	69.33	92	48.318	123	55.44	20
17.7	56.80	48	90.71	227	34.775	217	90.28	150	44.017	137	68.41	110	48.195	115	55.23	48
27.6	55.32	43	88.44	270	34.558	187	88.78	178	43.880	119	67.31	122	48.080	101	54.75	75
9 6.6	54.89	36	85.74	307	34.371	144	87.00	199	43.761	91	66.09	129	47.979	79	54.00	103
16.6	54.53	27	82.67	338	34.227	91	85.01	212	43.670	56	64.80	129	47.900	52	52.97	131
26.6	54.26	18	79.29	364	34.136	28	82.89	217	43.614	12	63.51	124	47.848	16	51.66	159
10 6.5	54.08	7/4	75.65	382	34.108	42	80.72	212	43.602	36	62.27	111	47.832	23	50.07	185
16.5	54.01		71.83	392	34.150	117	78.60	198	43.640	91	61.16	92	47.855	69	48.22	209
26.5	54.05	16	67.91	394	34.267	194	76.62	173	43.731	148	60.24	66	47.924	117	46.13	231
11 5.5	54.21	29	63.97	386	34.461	268	74.89	141	43.879	204	59.58	35	48.041	165	43.82	248
15.4	54.50	40	60.11	369	34.729	338	73.48	100	44.083	256	59.23	0/38	48.206	212	41.34	261
25.4	54.90	51	56.42	341	35.067	398	72.48	56	44.339	302	59.23		48.418	254	38.73	266
12 5.4	55.41	61	53.01	303	35.465	445	71.92	7/43	44.641	340	59.61	74	48.672	291	36.07	266
15.3	56.02	69	49.98	256	35.910	480	71.85		44.981	367	60.35	111	48.963	319	33.41	257
25.3	56.71	75	47.42	201	36.390	498	72.28	93	45.348	383	61.46	144	49.282	337	30.84	240
35.3	57.46		45.41		36.888		73.21		45.731		62.90		49.619		28.44	
中位	s 55.761		″ 83.46		s 34.721		″ 69.53		s 43.500		″ 53.40		s 47.406		″ 54.74	
Sec&Tan δ	+3.152		+2.990		+1.669		−1.337		+1.189		−0.644		+1.050		+0.319	
Z回正中	4月15日				4月16日				4月17日				4月18日			
a b	+0.0723		−0.1821		+0.1898		+0.0813		+0.1719		+0.0387		+0.1439		−0.0191	
a′ b′	−0.9137		+0.4065		−0.9125		+0.4091		−0.9012		+0.4334		−0.8973		+0.4415	
FK3番号	505				504				506				507			

本初子午線正中時

星名	η U Maj		μ Cent		89 Virg		10 Drac	
等級	1.91	B3	3.32	B2p	5.11	K0	4.77	M0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 13 45	° ′ +49 33	h m 13 46	° ′ −42 12	h m 13 47	° ′ −17 52	h m 13 49	° ′ +64 58
1 1.3	s 28.724 439	″ 66.53 211	s 26.661 423	″ 41.37 138	s 1.080 350	″ 26.61 188	s 53.92 61	″ 30.47 193
11.3	29.163 447	64.42 155	27.084 421	42.75 171	1.430 349	28.49 198	54.53 62	28.54 131
21.2	29.610 440	62.87 96	27.505 408	44.46 200	1.779 337	30.47 202	55.15 62	27.23 66
31.2	30.050 420	61.91 34	27.913 384	46.46 224	2.116 319	32.49 199	55.77 60	26.58 1
2 10.2	30.470 387	61.57 28	28.297 353	48.70 240	2.435 292	34.48 191	56.37 55	26.59 67
20.2	30.857 345	61.85 85	28.650 316	51.10 250	2.727 262	36.39 179	56.92 50	27.26 128
3 1.1	31.202 296	62.70 138	28.966 276	53.60 255	2.989 229	38.18 163	57.42 42	28.54 182
11.1	31.498 241	64.08 183	29.242 234	56.15 255	3.218 194	39.81 146	57.84 34	30.36 227
21.1	31.739 184	65.91 219	29.476 193	58.70 248	3.412 160	41.27 126	58.18 25	32.63 261
31.1	31.923 126	68.10 244	29.669 150	61.18 240	3.572 127	42.53 108	58.43 17	35.24 284
4 10.0	32.049 71	70.54 260	29.819 110	63.58 226	3.699 95	43.61 89	58.60 7	38.08 296
19.9	32.120	73.14 264	29.924 71	65.84 210	3.794 65	44.50 71	58.67 2	41.04 296
29.9	32.138 18	75.78 258	30.000 34	67.94 190	3.859 37	45.21 53	58.65 9	44.00 285
5 9.9	32.107 74	78.36 243	30.034 1	69.84 169	3.896 11	45.74 38	58.56 17	46.85 264
19.9	32.033 114	80.79 220	30.033 37	71.53 143	3.907 14	46.12 22	58.39 23	49.49 234
29.9	31.919 148	82.99 189	29.996 68	72.96 116	3.893 38	46.34 8	58.16 29	51.83 197
6 8.9	31.771 177	84.88 154	29.928 98	74.12 87	3.855 59	46.42 6	57.87 33	53.80 154
18.8	31.594 199	86.42 114	29.830 124	74.99 56	3.796 78	46.36 19	57.54 37	55.34 108
28.8	31.395 216	87.56 70	29.706 147	75.55 24	3.718 95	46.17 31	57.17 40	56.42 56
7 8.8	31.179 228	88.26 25	29.559 165	75.79 9	3.623 108	45.86 43	56.77 41	56.98 5
18.8	30.951 233	88.51 21	29.394 177	75.70 41	3.515 119	45.43 52	56.36 42	57.03 47
28.7	30.718 232	88.30 68	29.217 183	75.29 72	3.396 123	44.91 61	55.94 41	56.56 99
8 7.7	30.486 223	87.62 114	29.034 179	74.57 100	3.273 121	44.30 66	55.53 39	55.57 148
17.7	30.263 207	86.48 157	28.855 167	73.57 126	3.152 115	43.64 70	55.14 37	54.09 196
27.6	30.056 184	84.91 199	28.688 145	72.31 146	3.037 99	42.94 70	54.77 33	52.13 240
9 6.6	29.872 153	82.92 238	28.543 114	70.85 161	2.938 77	42.24 65	54.44 28	49.73 281
16.6	29.719 112	80.54 273	28.429 74	69.24 168	2.861 47	41.59 57	54.16 22	46.92 315
26.6	29.607 65	77.81 303	28.355 24	67.56 169	2.814 10	41.02 44	53.94 15	43.77 345
10 6.5	29.542 11	74.78 329	28.331 32	65.87 160	2.804 34	40.58 26	53.79 7	40.32 367
16.5	29.531 30	71.49 348	28.363 94	64.27 145	2.838 81	40.32 3	53.72 7	36.65 383
26.5	29.581 113	68.01 360	28.457 157	62.82 120	2.919 131	40.29 22	53.73 11	32.82 389
11 5.5	29.694 178	64.41 364	28.614 220	61.62 90	3.050 181	40.51 50	53.84 20	28.93 388
15.4	29.872 243	60.77 359	28.834 278	60.72 53	3.231 228	41.01 80	54.04 30	25.05 376
25.4	30.115 302	57.18 344	29.112 331	60.19 13	3.459 272	41.81 110	54.34 39	21.29 354
12 5.4	30.417 354	53.74 319	29.443 372	60.06 30	3.731 306	42.91 136	54.73 46	17.75 322
15.3	30.771 397	50.55 285	29.815 404	60.36 72	4.037 332	44.27 161	55.19 53	14.53 280
25.3	31.168 427	47.70 242	30.219 422	61.08 114	4.369 348	45.88 179	55.72 58	11.73 229
35.3	31.595	45.28	30.641	62.22	4.717	47.67	56.30	9.44
平位 Sec&Tan δ	s 29.582 +1.542	″ 80.08 +1.174	s 28.422 +1.350	″ 55.58 −0.907	s 2.448 +1.051	″ 33.40 −0.323	s 54.716 +2.364	″ 46.56 +2.143
2回正中	4月18日		4月18日		4月18日		4月19日	
a b	+0.1186	−0.0701	+0.1804	+0.0541	+0.1630	+0.0192	+0.0874	−0.1267
a′ b′	−0.8959	+0.4442	−0.8940	+0.4481	−0.8929	+0.4503	−0.8872	+0.4614
FK3番号	509		508		510		511	

本初子午線正中時

星名	η Boot		ζ Cent		294 G. Cent		47 Hyda	
等級	2.80	G0	3.06	B2p	4.68	K0	5.17	B8
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 13 52	° ′ +18 39	h m 13 52	° ′ −47 1	h m 15 53	° ′ −63 25	h m 13 55	° ′ −24 43
1 1.3	s 11.380 341	″ 21.86 229	s 15.081 451	″ 44.12 118	s 48.97 63	″ 39.26 72	s 34.202 362	″ 0.31 170
11.3	11.721 344	19.57 199	15.532 430	45.30 158	49.60 64	39.98 124	34.564 362	2.01 187
21.3	12.065 336	17.58 163	15.982 437	46.88 191	50.24 61	41.22 170	34.926 352	3.88 197
31.2	12.401 319	15.95 122	16.419 414	48.79 219	50.85 59	42.92 212	35.278 333	5.85 203
2 10.2	12.720 294	14.73 80	16.833 382	50.98 240	51.44 54	45.04 248	35.611 308	7.88 203
20.2	13.014 264	13.93 36	17.215 344	53.38 256	51.98 49	47.52 276	35.919 278	9.91 197
3 1.1	13.278 230	13.57 5	17.559 302	55.94 264	52.47 43	50.28 298	36.197 245	11.88 188
11.1	13.508 194	13.62 44	17.861 258	58.58 269	52.90 36	53.26 313	36.442 210	13.76 176
21.1	13.702 156	14.06 77	18.119 213	61.27 266	53.26 30	56.39 321	36.652 175	15.52 160
31.1	13.858 121	14.83 105	18.332 168	63.93 260	53.56 23	59.60 323	36.827 142	17.12 145
4 10.0	13.979 87	15.88 126	18.500 124	66.53 249	53.79 17	62.83 318	36.969 108	18.57 128
20.0	14.066 54	17.14 140	18.624 81	69.02 234	53.96 9	66.01 307	37.077 77	19.85 111
29.9	14.120 24	18.54 147	18.705 40	71.36 216	54.05 3	69.08 291	37.154 47	20.96 93
5 9.9	14.144 4	20.01 148	18.745 0	73.52 194	54.08 4	71.99 268	37.201 19	21.89 75
19.9	14.140 29	21.49 143	18.745 39	75.46 168	54.04 10	74.67 241	37.220 9	22.64 58
29.9	14.111 51	22.92 133	18.706 75	77.14 141	53.94 16	77.08 209	37.211 35	23.22 40
6 8.9	14.060 72	24.25 118	18.631 109	78.55 109	53.78 22	79.17 172	37.176 58	23.62 23
18.8	13.988 90	25.43 100	18.522 139	79.64 76	53.56 26	80.89 131	37.118 81	23.85 4
28.8	13.898 105	26.43 79	18.383 165	80.40 41	53.30 30	82.20 88	37.037 100	23.89 13
7 8.8	13.793 117	27.22 56	18.218 186	80.81 6	53.00 34	83.08 41	36.937 116	23.76 31
18.8	13.676 125	27.78 31	18.032 200	80.87 31	52.66 35	83.49 6	36.821 127	23.45 46
28.7	13.551 129	28.09 5	17.832 207	80.56 66	52.31 37	83.43 53	36.694 135	22.99 62
8 7.7	13.422 127	28.14 23	17.625 204	79.90 98	51.94 35	82.90 98	36.559 134	22.37 74
17.7	13.295 119	27.91 50	17.421 192	78.92 128	51.59 34	81.92 140	36.425 127	21.63 84
27.7	13.176 106	27.41 79	17.229 170	77.64 153	51.25 29	80.52 178	36.298 113	20.79 90
9 6.6	13.070 85	26.62 107	17.059 135	76.11 171	50.96 24	78.74 208	36.185 90	19.89 92
16.6	12.985 58	25.55 136	16.924 92	74.40 184	50.72 18	76.66 231	36.095 59	18.97 89
26.6	12.927 23	24.19 164	16.832 38	72.56 188	50.54 9	74.35 246	36.036 20	18.08 80
10 6.5	12.904 17	22.55 190	16.794 23	70.68 183	50.45 0	71.89 249	36.016 23	17.28 66
16.5	12.921 62	20.65 215	16.817 88	68.85 170	50.45 10	69.40 242	36.041 75	16.62 46
26.5	12.983 111	18.50 236	16.905 158	67.15 148	50.55 21	66.98 224	36.116 128	16.16 22
11 5.5	13.094 159	16.14 254	17.063 226	65.67 119	50.76 30	64.74 197	36.244 180	15.94 7
15.4	13.253 207	13.60 266	17.289 290	64.48 82	51.06 39	62.77 161	36.424 230	16.01 37
25.4	13.460 250	10.94 272	17.579 346	63.66 41	51.45 48	61.16 116	36.654 276	16.38 70
12 5.4	13.710 288	8.22 271	17.925 393	63.25 4	51.93 54	60.00 67	36.930 313	17.08 102
15.4	13.998 317	5.51 261	18.318 427	63.29 48	52.47 60	59.33 15	37.243 342	18.10 131
25.3	14.315 336	2.90 243	18.745 448	63.77 93	53.07 62	59.18 40	37.585 359	19.41 156
35.3	14.651	0.47	19.193	64.70	53.69	59.58	37.944	20.97
平位 Sec&Tan δ	s 12.463 +1.055	″ 27.42 +0.338	s 17.021 +1.467	″ 59.27 −1.074	s 51.710 +2.236	″ 57.78 −2.000	s 33.710 +1.101	″ 8.95 −0.460
2回正中	4月20日		4月20日		4月20日		4月20日	
a b	+0.1428	−0.0199	+0.1870	+0.0632	+0.2169	+0.1172	+0.1682	+0.0269
a′ b′	−0.8825	+0.4703	−0.8824	+0.4706	−0.8791	+0.4766	−0.8755	+0.4833
FK3番号	513		512		514		515	

本初子午線正中時

星名	11 Boot		τ Virg		β Cent		α Drac.	
等級	6.12		4.34		0.86		3.64	
スペクトル型	A3		A2		B1		A0p	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 13 58	° ′ +27 37	h m 13 58	° ′ +1 47	h m 14 0	° ′ −60 7	h m 14 2	° ′ +64 36
	s	″	s	″	s	″	s	″
1 1.3	47.892 353	64.81 233	58.588 333	43.12 216	5.46 58	5.58 74	57.76 59	69.82 209
11.3	48.245 357	62.48 196	58.921 334	40.96 203	6.04 58	6.32 122	58.35 61	67.73 148
21.3	48.602 352	60.52 151	59.255 326	38.93 186	6.62 57	7.54 166	58.96 61	66.25 83
31.2	48.954 336	59.01 104	59.581 311	37.07 162	7.19 54	9.20 206	59.57 59	65.42 16
2 10.2	49.290 312	57.97 54	59.892 288	35.45 134	7.73 50	11.26 240	60.16 56	65.26 51
20.2	49.602 282	57.43 5	60.180 260	34.11 104	8.23 46	13.66 266	60.72 50	65.77 113
3 1.1	49.884 246	57.38 45	60.440 229	33.07 73	8.69 40	16.32 287	61.22 44	66.90 169
11.1	50.130 208	57.81 86	60.669 196	32.34 43	9.09 35	19.19 300	61.66 36	68.59 217
21.1	50.338 170	58.67 121	60.865 163	31.91 15	9.44 28	22.19 308	62.02 28	70.76 254
31.1	50.508 130	59.88 152	61.028 130	31.76 10	9.72 23	25.27 309	62.30 19	73.30 281
4 10.0	50.638 92	61.40 172	61.158 100	31.86 31	9.95 17	28.36 304	62.49 10	76.11 295
20.0	50.730 56	63.12 185	61.258 70	32.17 49	10.12 10	31.40 293	62.59 1	79.06 299
29.9	50.786 24	64.97 191	61.328 43	32.66 61	10.22 5	34.33 278	62.60 7	82.05 290
5 9.9	50.810 8	66.88 188	61.371 16	33.27 70	10.27 2	37.11 256	62.53 14	84.95 273
19.9	50.802 36	68.76 178	61.387 7	33.97 75	10.25 7	39.67 231	62.39 21	87.68 245
29.9	50.766 62	70.54 163	61.380 31	34.72 76	10.18 12	41.98 200	62.18 27	90.13 210
6 8.9	50.704 84	72.17 142	61.349 51	35.48 75	10.06 17	43.98 165	61.91 31	92.23 170
18.8	50.620 105	73.59 117	61.298 71	36.23 71	9.89 22	45.63 126	61.60 36	93.93 123
28.8	50.515 121	74.76 89	61.227 87	36.94 65	9.67 26	46.89 85	61.24 39	95.16 75
7 8.8	50.394 134	75.65 59	61.140 100	37.59 57	9.41 29	47.74 40	60.85 41	95.91 23
18.8	50.260 144	76.24 27	61.040 111	38.16 47	9.12 30	48.14 4	60.44 41	96.14 30
28.7	50.116 147	76.51 7	60.929 117	38.63 36	8.82 32	48.10 48	60.03 42	95.84 81
8 7.7	49.969 147	76.44 42	60.812 118	38.99 24	8.50 31	47.62 92	59.61 40	95.03 131
17.7	49.822 139	76.02 75	60.694 112	39.23 9	8.19 30	46.70 132	59.21 39	93.72 181
27.7	49.683 125	75.27 109	60.582 101	39.32 7	7.89 26	45.38 169	58.82 35	91.91 225
9 6.6	49.558 104	74.18 143	60.481 81	39.25 26	7.63 22	43.69 197	58.47 30	89.66 268
16.6	49.454 76	72.75 175	60.400 55	38.99 45	7.41 16	41.72 219	58.17 25	86.98 304
26.6	49.378 40	71.00 205	60.345 22	38.54 68	7.25 9	39.53 233	57.92 17	83.94 336
10 6.5	49.338 1	68.95 234	60.323 18	37.86 91	7.16 0	37.20 237	57.75 11	80.58 361
16.5	49.339 48	66.61 258	60.341 61	36.95 115	7.16 8	34.83 229	57.64 1	76.97 379
26.5	49.387 99	64.03 278	60.402 109	35.80 140	7.24 18	32.54 213	57.63 7	73.18 390
11 5.5	49.486 150	61.25 293	60.511 157	34.40 163	7.42 27	30.41 187	57.70 17	69.28 390
15.4	49.636 201	58.32 301	60.668 203	32.77 184	7.69 35	28.54 151	57.87 26	65.38 381
25.4	49.837 248	55.31 303	60.871 245	30.93 201	8.04 43	27.03 108	58.13 35	61.57 362
12 5.4	50.085 289	52.28 294	61.116 281	28.92 214	8.47 50	25.95 61	58.48 44	57.95 333
15.4	50.374 321	49.34 279	61.397 309	26.78 219	8.97 54	25.34 10	58.92 50	54.62 292
25.3	50.695 345	46.55 253	61.706 328	24.59 219	9.51 57	25.24 41	59.42 56	51.70 244
35.3	51.040	44.02	62.034	22.40	10.08	25.65	59.98	49.26
中位	s 48.967	″ 73.13	s 59.836	″ 43.34	s 8.049	″ 23.15	s 58.712	″ 85.94
Sec δ Tan δ	+1.129	+0.524	+1.000	+0.031	+2.007	−1.741	+2.34	+2.108
2回正中	4月21日		4月21日		4月22日		4月22日	
a b	+0.1360	−0.0303	+0.1523	−0.0018	+0.2114	+0.1005	+0.0815	−0.1208
a′ b′	−0.8686	+0.4955	−0.8682	+0.4962	−0.8657	+0.5005	−0.8595	+0.5112
FK3番号	517		516		518		521	

本初子午線正中時

星名	π Hyda		ϑ Cent		12 d Boot		4 U Min	
等級	3.48		2.26		4.82		5.00	
スペクトル型	K0		K0		F5		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 14 3	° ′ −26 25	h m 14 3	° ′ −36 6	h m 14 8	° ′ +25 19	h m 14 8	° ′ +77 46
	s	″	s	″	s	″	s	″
1 1.3	22.629 365	49.01 160	35.056 394	42.48 136	0.453 344	66.13 238	59.91 105	73.32 192
11.3	22.994 366	50.61 180	35.450 395	43.84 166	0.797 352	63.75 202	60.96 111	71.40 130
21.3	23.360 358	52.41 192	35.845 386	45.50 189	1.149 347	61.73 161	62.07 113	70.10 62
31.2	23.718 341	54.33 200	36.231 368	47.39 206	1.496 334	60.12 116	63.20 111	69.48 5
2 10.2	24.059 316	56.33 202	36.599 341	49.45 218	1.830 312	58.96 66	64.31 105	69.53 72
20.2	24.375 287	58.35 198	36.940 310	51.63 224	2.142 283	58.30 18	65.36 96	70.25 134
3 1.2	24.662 255	60.33 191	37.250 275	53.87 226	2.425 251	58.12 29	66.32 84	71.59 190
11.1	24.917 221	62.24 180	37.525 238	56.13 222	2.676 214	58.41 71	67.16 68	73.49 236
21.1	25.138 186	64.04 167	37.763 201	58.35 214	2.890 176	59.12 109	67.84 51	75.85 271
31.1	25.324 152	65.71 152	37.964 163	60.49 205	3.066 139	60.21 139	68.35 33	78.56 295
4 10.0	25.476 119	67.23 137	38.127 126	62.54 191	3.205 103	61.60 161	68.68 14	81.51 308
20.0	25.595 86	68.60 120	38.253 91	64.45 177	3.308 67	63.21 177	68.82 4	84.59 308
29.9	25.681 57	69.80 103	38.344 57	66.22 159	3.375 35	64.98 183	68.78 21	87.67 296
5 9.9	25.738 26	70.83 86	38.401 22	67.81 141	3.410 4	66.81 182	68.57 38	90.63 275
19.9	25.764 2	71.69 68	38.423 9	69.22 119	3.414 25	68.63 175	68.19 52	93.38 244
29.9	25.762 29	72.37 50	38.414 41	70.41 97	3.389 51	70.38 162	67.67 65	95.82 207
6 8.9	25.733 54	72.87 32	38.373 69	71.38 73	3.338 74	72.00 143	67.02 76	97.89 161
18.9	25.679 79	73.19 13	38.304 97	72.11 48	3.264 96	73.43 120	66.26 84	99.50 114
28.8	25.600 99	73.32 5	38.207 120	72.59 21	3.168 114	74.63 95	65.42 91	100.64 61
7 8.3	25.501 117	73.27 24	38.087 140	72.80 5	3.054 128	75.58 65	64.51 94	101.25 7
18.8	25.384 130	73.03 41	37.947 155	72.75 31	2.926 139	76.23 35	63.57 96	101.32 47
28.7	25.254 139	72.62 57	37.792 163	72.44 57	2.787 146	76.58 3	62.61 95	100.85 100
8 7.7	25.115 139	72.05 72	37.629 164	71.87 81	2.641 145	76.61 29	61.66 93	99.85 151
17.7	24.976 134	71.33 84	37.465 158	71.06 101	2.496 141	76.32 63	60.73 87	98.34 200
27.7	24.842 120	70.49 92	37.307 141	70.05 118	2.355 128	75.69 96	59.86 81	96.34 246
9 6.6	24.722 98	69.57 95	37.166 116	68.87 129	2.227 108	74.73 128	59.05 71	93.88 286
16.6	24.624 67	68.62 95	37.050 81	67.58 136	2.119 82	73.45 161	58.34 60	91.02 322
26.6	24.557 29	67.67 87	36.969 37	66.22 134	2.037 47	71.84 191	57.74 46	87.80 351
10 6.6	24.528 17	66.80 75	36.932 12	64.88 127	1.990 7	69.93 219	57.28 32	84.29 373
16.5	24.545 67	66.05 58	36.944 69	63.61 112	1.983 39	67.74 245	56.96 15	80.56 399
26.5	24.612 121	65.47 33	37.013 129	62.49 90	2.022 89	65.29 267	56.81 2	76.67 395
11 5.5	24.733 175	65.14 6	37.142 187	61.59 62	2.111 140	62.62 283	56.83 20	72.72 393
15.4	24.908 226	65.08 24	37.329 243	60.97 29	2.251 190	59.79 293	57.03 38	68.79 380
25.4	25.134 273	65.32 57	37.572 295	60.68 7	2.441 238	56.86 297	57.41 57	64.99 357
12 5.4	25.407 312	65.89 89	37.867 336	60.75 44	2.679 279	53.89 292	57.98 72	61.42 323
15.4	25.719 342	66.78 119	38.203 369	61.19 81	2.958 313	50.97 278	58.70 87	58.19 281
25.3	26.061 361	67.97 146	38.572 390	62.00 117	3.271 336	48.19 256	59.57 98	55.38 229
35.3	26.422	69.43	38.962	63.17	3.607	45.63	60.55	53.09
中位	s 24.212	″ 57.83	s 36.813	″ 54.15	s 1.594	″ 73.95	s 61.011	″ 90.51
Sec δ Tan δ	+1.117	−0.497	+1.238	−0.730	+1.106	+0.473	+4.729	+4.622
2回正中	4月22日		4月22日		4月24日		4月24日	
a b	+0.1703	+0.0285	+0.1783	+0.0417	+0.1366	−0.0268	−0.0111	−0.2606
a′ b′	−0.8585	+0.5128	−0.8580	+0.5136	−0.8480	+0.5300	−0.8457	+0.5337
FK3番号	519		520		522		524	

本初子午線正中時

星名	κ Virg		ι Virg		α Boot		ι Boot	
等級	4.31		4.16		0.24		4.78	
スペクトル型	K0		F5		K0		A5	
世界時 月 日	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
	h m 14 10	° ′ −10 1	h m 14 13	° ′ −5 45	h m 14 13	° ′ +19 26	h m 14 14	° ′ +51 35
1 1.3	s 5.635	″ 540.6	s 15.654	″ 9.81	s 16.085	″ 62.30	s 18.348	″ 69.12
11.3	5.971 336	55.98 192	15.986 332	11.83 202	16.418 333	59.88 242	18.783 435	66.75 237
21.3	6.310 339	57.92 194	16.322 336	13.82 199	16.758 340	57.76 212	19.234 451	64.93 182
31.2	6.643 333	59.82 190	16.652 330	15.71 189	17.094 336	56.00 176	19.687 453	63.70 123
	319	179	317	174	324	136	442	59
2 10.2	6.962	61.61	16.969	17.45	17.418	54.64	20.129	63.11
20.2	7.259 297	63.24 163	17.264 295	18.99 154	17.720 302	53.72 92	20.545 416	63.15 $\overline{4}$
	271	144	270	131	276	47	380	66
3 1.2	7.530	64.68	17.534	20.30	17.996	53.25	20.925	63.81
11.1	7.771 241	65.91 123	17.775 241	21.36 106	18.241 245	53.22 3	21.260 335	65.03 122
21.1	7.980 209	66.92 101	17.985 210	22.17 81	18.452 211	53.60 38	21.544 284	66.76 173
31.1	8.158 178	67.70 78	18.164 179	22.72 55	18.629 177	54.33 73	21.771 227	68.90 214
	146	56	147	33	141	103	170	245
4 10.0	8.304	68.26	18.311	23.05	18.770	55.36	21.941	71.35
20.0	8.420 116	68.63 37	18.428 117	23.18 13	18.876 106	56.63 127	22.053 112	74.01 266
29.9	8.506 86	68.83 20	18.515 87	23.13 $\overline{5}$	18.950 74	58.06 143	22.108 55	76.76 275
	59	5	60	20	43	152	2	275
5 9.9	8.565	68.88	18.575	22.93	18.993	59.58	22.110	79.51
19.9	8.596 31	68.80 $\overline{8}$	18.608 33	22.63 30	19.006 13	61.12 154	22.062 $\overline{48}$	82.15 264
29.9	8.602 $\overline{6}$	68.62 18	18.614 $\overline{6}$	22.24 39	18.992 $\overline{14}$	62.62 150	21.968 94	84.59 244
	10	27	17	45	40	141	135	217
6 8.9	8.583 42	68.35 34	18.597 40	21.79 49	18.952 63	64.03 127	21.833 171	86.76 183
18.9	8.541 64	68.01 39	18.557 62	21.30 51	18.889 85	65.30 109	21.662 201	88.59 145
28.8	8.477 83	67.62 44	18.495 82	20.79 51	18.804 103	66.39 87	21.461 227	90.04 101
7 8.8	8.394 99	67.18 46	18.413 97	20.28 50	18.701 119	67.26 64	21.234 245	91.05 55
18.8	8.295 112	66.72 48	18.316 111	19.78 47	18.582 130	67.90 37	20.989 258	91.60 $\overline{8}$
28.7	8.183 121	66.24 48	18.205 120	19.31 43	18.452 138	68.27 11	20.731 263	91.68 40
8 7.7	8.062	65.76	18.085	18.88	18.314	68.38	20.468	91.28
17.7	7.936 123	65.29 47	17.963 122	18.50 38	18.175 139	68.20 $\overline{18}$	20.208 260	90.41 87
27.7	7.820 119	64.89 42	17.844 119	18.21 29	18.039 136	67.73 47	19.958 250	89.07 134
	109	37	110	20	125	77	230	180
9 6.6	7.711 90	64.50 28	17.734 91	18.01 $\overline{8}$	17.914 106	66.96 106	19.728 203	87.27
16.6	7.621 64	64.22 $\overline{15}$	17.643 66	17.93 $\overline{8}$	17.808 82	65.90 136	19.525 165	85.06 221
26.6	7.557 30	64.07 7	17.577 34	18.01 26	17.726 48	64.54 166	19.360 118	82.47 259
								295
10 6.6	7.527 $\overline{9}$	64.08 19	17.543 $\overline{6}$	18.27 45	17.678 $\overline{10}$	62.88 193	19.242 65	79.52
16.5	7.536 55	64.27 41	17.549 50	18.72 69	17.668 36	60.95 219	19.177 $\overline{4}$	76.28 324
26.5	7.591 104	64.68 65	17.599 98	19.41 93	17.704 83	58.76 242	19.173 64	72.81 347
								363
11 5.5	7.695	65.33	17.697	20.34	17.787	56.34	19.234	69.18
15.4	7.848 153	66.24 91	17.844 147	21.51 117	17.921 134	53.74 260	19.368 131	65.46 372
25.4	8.049 201	67.40 116	18.039 195	22.91 140	18.104 183	51.00 274	19.569 201	61.76 370
	245	139	238	163	229	281	267	360
12 5.4	8.294 282	68.79 161	18.277 277	24.54 180	18.333 269	48.19 281	19.836 327	58.16 339
15.4	8.576 311	70.40 177	18.554 306	26.34 193	18.602 301	45.38 273	20.163 377	54.77 307
25.3	8.887 332	72.17 189	18.860 326	28.27 200	18.903 325	42.65 256	20.540 416	51.70 267
35.3	9.219	74.06	19.186	30.27	19.228	40.09	20.956	49.03
平位	s 7.051	″ 57.37	s 17.046	″ 11.61	s 17.289	″ 68.49	s 19.431	″ 83.25
Sec δ Tan δ	+1.016	−0.177	+1.005	−0.101	+1.061	+0.353	+1.610	+1.262
2回正中	4月24日		4月25日		4月25日		4月25日	
a b	+0.1597	+0.0099	+0.1570	+0.0056	+0.1404	−0.0197	+0.1068	−0.0701
a′ b′	−0.8431	+0.5377	−0.8356	+0.5493	−0.8356	+0.5494	−0.8331	+0.5531
FK3番号	523		525		526		528	

本初子午線正中時

星名	λ Boot		υ Cent		10 G Circ		ϑ Boot	
等級	4.26		4.41		5.71		4.06	
スペクトル型	A0		B5		A2p		F8	
世界時 月 日	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
	h m 14 14	° ′ +46 19	h m 14 16	° ′ −56 8	h m 14 20	° ′ −67 57	h m 14 23	° ′ +52 4
1 1.3	s 23.323	″ 21.91	s 37.975	″ 37.29	s 42.03	″ 19.41	s 24.376	″ 71.33
11.3	23.727 404	19.51 240	38.500 525	37.93 64	42.75 72	19.63 22	24.806 430	68.87 246
21.3	24.145 418	17.62 189	39.033 533	39.01 108	43.50 75	20.38 75	25.256 450	66.94 193
31.2	24.563 418	16.30 132	39.558 525	40.52 151	44.23 73	21.64 126	25.711 455	65.61 133
	407	72	506	187	72	171	447	69
2 10.2	24.970	15.58	40.064	42.39	44.95	23.35	26.158	64.92
20.2	25.354 384	15.48 $\overline{10}$	40.540 476	44.59 220	45.62 67	25.47 212	26.581 423	64.86 $\overline{6}$
	349	50	437	244	62	247	390	57
3 1.2	25.703	15.98	40.977	47.03	46.24	27.94	26.971	65.43
11.1	26.012 309	17.04 106	41.369 392	49.66 263	46.80 56	30.70 276	27.318 347	66.58 115
21.1	26.275 263	18.59 155	41.713 344	52.43 277	47.30 50	33.67 297	27.613 295	68.25 167
31.1	26.487 212	20.55 196	42.005 292	55.27 284	47.71 41	36.80 313	27.854 241	70.34 209
	161	228	240	286	34	321	184	243
4 10.1	26.648	22.83	42.245	58.13	48.05	40.01	28.038	72.77
20.0	26.758 110	25.33 250	42.431 186	60.95 282	48.31 26	43.25 324	28.163 125	75.42 265
29.9	26.819 61	27.93 260	42.563 132	63.69 274	48.49 18	46.44 319	28.231 68	78.18 276
	13	262	80	260	9	310	13	278
5 9.9	26.832	30.55	42.643	66.29	48.58	49.54	28.244	80.96
19.9	26.801 $\overline{31}$	33.08 253	42.669 $\overline{26}$	68.72 243	48.59 $\overline{1}$	52.47 293	28.206 $\overline{38}$	83.64 268
29.9	26.730 71	35.44 236	42.644 25	70.91 219	48.52 7	55.18 271	28.119 87	86.14 250
	108	212	76	193	15	242	129	224
6 8.9	26.622	37.56	42.568	72.84	48.37	57.60	27.990	88.38
18.9	26.482 140	39.36 180	42.446 122	74.45 161	48.15 22	59.70 210	27.822 168	90.29 191
28.8	26.314 168	40.80 144	42.280 166	75.72 127	47.86 29	61.40 170	27.622 200	91.81 152
	190	104	205	89	35	129	228	110
7 8.8	26.124	41.84	42.075	76.61	47.51	62.69	27.394	92.91
18.8	25.915 209	42.45 61	41.838 237	77.10 49	47.12 39	63.51 82	27.145 249	93.55 64
28.8	25.695 220	42.61 $\overline{16}$	41.578 260	77.18 $\overline{8}$	46.69 43	63.85 $\overline{34}$	26.881 264	93.72 $\overline{17}$
	226	29	274	35	45	75	271	32
8 7.7	25.469	42.32	41.304	76.83	46.24	63.70	26.610	93.40
17.7	25.244 225	41.57 75	41.027 277	76.09 74	45.78 46	63.06 64	26.339 271	92.61 79
27.7	25.028 216	40.37 120	40.759 268	74.96 113	45.35 43	61.96 110	26.077 262	91.34 127
	200	163	244	148	40	154	244	173
9 6.6	24.828	38.74	40.515	73.48	44.95	60.42	25.833	89.61
16.6	24.653 175	36.70 204	40.307 208	71.72 176	44.60 35	58.50 192	25.615 218	87.45 216
26.6	24.512 141	34.28 242	40.149 158	69.73 199	44.33 27	56.28 222	25.434 181	84.90 255
	99	276	96	213	18	245	136	292
10 6.6	24.413	31.52	40.053	67.60	44.15	53.83	25.298	81.98
16.5	24.364 $\overline{49}$	28.45 307	40.029 $\overline{24}$	65.42 218	44.08 $\overline{7}$	51.27 256	25.216 82	78.76 322
26.5	24.370 6	25.15 330	40.085 $\overline{56}$	63.29 213	44.12 4	48.68 259	25.195 $\overline{21}$	75.30 346
	68	349	139	200	16	249	47	365
11 5.5	24.438	21.66	40.224	61.29	44.28	46.19	25.242	71.65
15.5	24.569 131	18.08 358	40.447 223	59.53 176	44.57 29	43.89 230	25.357 115	67.91 374
25.4	24.762 193	14.48 360	40.749 302	58.09 144	44.97 40	41.90 199	25.543 186	64.17 374
	254	352	375	105	50	161	254	365
12 5.4	25.016	10.96	41.124	57.04	45.47	40.29	25.797	60.52
15.4	25.324 308	7.63 333	41.561 437	56.42 62	46.06 59	39.14 115	26.113 316	57.06 346
25.3	25.678 354	4.57 306	42.045 484	56.28 $\overline{14}$	46.72 66	38.49 65	26.482 369	53.90 316
35.3	26.067 389	1.89 268	42.562 517	56.61 33	47.44 72	38.38 11	26.892 410	51.15 275
平位	s 24.418	″ 35.02	s 40.514	″ 53.08	s 45.604	″ 36.96	s 25.533	″ 85.57
Sec δ Tan δ	+1.448	+1.047	+1.795	−1.491	+2.665	−2.470	+1.628	+1.284
2回正中	4月25日		4月26日		4月27日		4月27日	
a b	+0.1147	−0.0582	+0.2092	+0.0822	+0.2482	+0.1346	+0.1032	−0.0694
a′ b′	−0.8329	+0.5534	−0.8274	+0.5616	−0.8173	+0.5763	−0.8105	+0.5858
FK3番号	527		529		530		531	

本初子午線正中時

星名	52 Hyda		φ Virg		ρ Boot		τ Boot	
等級 / スペクトル型	5.00	B8	4.97	K0	3.78	K0	3.00	F0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 14 25	° ′ -29 15	h m 14 25	° ′ -1 59	h m 14 29	° ′ +30 35	h m 14 29	° ′ +38 31
	s	″	s	″	s	″	s	″
1 1.3	5.473 368	23.80 136	29.764 325	44.78 206	34.033 344	46.24 251	57.789 364	54.15 254
11.3	5.841 373	25.16 157	30.089 332	46.84 199	34.377 356	43.73 213	58.153 378	51.61 210
21.3	6.214 369	26.73 174	30.421 329	48.83 185	34.733 358	41.60 168	58.531 381	49.51 158
31.2	6.583 356	28.47 185	30.750 318	50.68 166	35.091 348	39.92 117	58.912 373	47.93 103
2 10.2	6.939 335	30.32 191	31.068 299	52.34 143	35.439 331	38.75 65	59.285 355	46.90 45
20.2	7.274 309	32.23 191	31.367 276	53.77 116	35.770 305	38.10 11	59.640 327	46.45 13
3 1.2	7.583 279	34.14 188	31.643 248	54.93 88	36.075 274	37.99 39	59.967 294	46.58 68
11.1	7.862 246	36.02 180	31.891 218	55.81 60	36.349 239	38.38 87	60.261 255	47.26 118
21.1	8.108 214	37.82 171	32.109 188	56.41 32	36.588 201	39.25 127	60.516 213	48.44 160
31.1	8.322 179	39.53 159	32.297 156	56.73 9	36.789 164	40.52 162	60.729 170	50.04 195
4 10.1	8.501 147	41.12 147	32.453 127	56.82 13	36.953 125	42.14 187	60.899 127	51.99 220
20.0	8.648 114	42.59 132	32.580 98	56.69 31	37.078 87	44.01 204	61.026 85	54.19 236
29.9	8.762 81	43.91 117	32.678 69	56.38 45	37.165 51	46.05 212	61.111 43	56.55 243
5 9.9	8.843 50	45.08 102	32.747 42	55.93 55	37.216 18	48.17 211	61.154 5	58.98 239
19.9	8.893 19	46.10 85	32.789 15	55.38 61	37.234 16	50.28 204	61.159 32	61.37 228
29.9	8.912 11	46.95 68	32.804 9	54.77 65	37.218 45	52.32 190	61.127 65	63.65 209
6 8.9	8.901 41	47.63 50	32.795 35	54.12 66	37.173 74	54.22 169	61.062 97	65.74 184
18.9	8.860 69	48.13 32	32.760 57	53.46 64	37.099 99	55.91 144	60.965 124	67.58 154
28.8	8.791 94	48.45 12	32.703 77	52.82 61	37.000 121	57.35 114	60.841 148	69.12 119
7 8.8	8.697 115	48.57 7	32.626 96	52.21 56	36.879 140	58.49 82	60.693 167	70.31 82
18.8	8.582 134	48.50 27	32.530 110	51.65 50	36.739 154	59.31 47	60.526 182	71.13 41
28.8	8.448 145	48.23 45	32.420 121	51.15 41	36.585 164	59.78 11	60.344 192	71.54 0
8 7.7	8.303 151	47.78 62	32.299 126	50.74 32	36.421 167	59.89 26	60.152 195	71.54 42
17.7	8.152 149	47.16 77	32.173 124	50.42 21	36.254 165	59.63 63	59.957 191	71.12 83
27.7	8.003 138	46.39 89	32.049 117	50.21 8	36.089 156	59.00 100	59.766 180	70.29 126
9 6.6	7.865 119	45.50 97	31.932 100	50.13 9	35.933 137	58.00 137	59.586 160	69.03 165
16.6	7.746 89	44.53 100	31.832 77	50.20 25	35.796 112	56.63 172	59.426 133	67.38 203
26.6	7.657 52	43.53 97	31.755 45	50.45 44	35.684 79	54.91 206	59.293 96	65.35 238
10 6.6	7.605 7	42.56 90	31.710 7	50.89 65	35.605 38	52.85 236	59.197 53	62.97 270
16.5	7.598 44	41.66 75	31.703 36	51.54 89	35.567 8	50.49 264	59.144 3	60.27 297
26.5	7.642 100	40.91 56	31.739 84	52.43 112	35.575 60	47.85 286	59.141 52	57.30 319
11 5.5	7.742 156	40.35 31	31.823 133	53.55 135	35.635 113	44.99 304	59.193 110	54.11 334
15.5	7.898 210	40.04 2	31.956 180	54.90 158	35.748 167	41.95 314	59.303 168	50.77 341
25.4	8.108 260	40.02 29	32.136 226	56.48 177	35.915 219	38.81 317	59.471 223	47.36 340
12 5.4	8.368 303	40.31 60	32.362 265	58.25 192	36.134 263	35.64 311	59.694 273	43.96 328
15.4	8.671 338	40.91 91	32.627 296	60.17 203	36.397 303	32.53 295	59.967 316	40.68 308
25.3	9.009 361	41.82 120	32.923 319	62.20 206	36.700 332	29.58 270	60.283 349	37.60 278
35.3	9.370	43.02	33.242	64.26	37.032	26.88	60.632	34.82
中位	s 7.240	″ 32.40	s 31.186	″ 44.96	s 35.276	″ 55.78	s 59.011	″ 65.63
Sec.δ.Tan δ	+1.146	-0.560	+1.001	-0.035	+1.162	+0.591	+1.278	+0.796
2回正中	4月28日		4月28日		4月29日		4月29日	
a b	+0.1754	+0.0301	+0.1547	+0.0019	+0.1294	-0.0313	+0.1210	-0.0421
a′ b′	-0.8061	+0.5917	-0.8051	+0.5931	-0.7945	+0.6073	-0.7934	+0.6087
FK3番号	532		533		534		535	

本初子午線正中時

星名	Grb2125Drac		η Cent		α Cent A		33 Boot	
等級 / スペクトル型	6.18	F0	2.65	B3p.A2p	0.33	G0	5.39	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 14 30	° ′ +60 26	h m 14 32	° ′ -41 55	h m 14 36	° ′ -60 37	h m 14 36	° ′ +44 37
	s	″	s	″	s	″	s	″
1 1.3	16.68 50	59.38 245	9.582 414	38.45 89	0.02 57	8.55 32	52.798 381	28.76 260
11.3	17.18 53	56.93 188	9.996 423	39.34 124	0.59 59	8.87 80	53.179 399	26.16 212
21.3	17.71 54	55.05 125	10.419 419	40.58 152	1.18 58	9.67 125	53.578 406	24.04 158
31.3	18.25 53	53.80 59	10.838 407	42.10 177	1.76 56	10.92 165	53.984 401	22.46 97
2 10.2	18.78 51	53.21 8	11.245 385	43.87 196	2.32 53	12.57 201	54.385 382	21.49 37
20.2	19.29 47	53.29 73	11.630 357	45.83 210	2.85 49	14.58 231	54.767 356	21.12 25
3 1.2	19.76 42	54.02 132	11.987 325	47.93 218	3.34 45	16.89 254	55.123 320	21.37 82
11.1	20.18 36	55.34 186	12.312 289	50.11 222	3.79 39	19.43 272	55.443 279	22.19 135
21.1	20.54 30	57.20 229	12.601 252	52.33 222	4.18 33	22.15 283	55.722 234	23.54 179
31.1	20.84 22	59.49 263	12.853 213	54.55 218	4.51 28	24.98 289	55.956 187	25.33 215
4 10.1	21.06 15	62.12 285	13.066 174	56.73 211	4.79 21	27.87 290	56.143 138	27.48 241
20.0	21.21 7	64.97 296	13.240 136	58.84 201	5.00 16	30.77 284	56.281 91	29.89 258
30.0	21.28 0	67.93 296	13.376 97	60.85 188	5.16 9	33.61 274	56.372 44	32.47 263
5 9.9	21.28 6	70.89 285	13.473 59	62.73 172	5.25 3	36.35 258	56.416 0	35.10 259
19.9	21.22 13	73.74 264	13.532 20	64.45 154	5.28 4	38.93 238	56.416 41	37.69 246
29.9	21.09 19	76.38 236	13.552 17	65.99 133	5.24 9	41.31 212	56.375 80	40.15 225
6 8.9	20.90 23	78.74 200	13.535 53	67.32 110	5.15 14	43.43 181	56.295 116	42.40 198
18.9	20.67 28	80.74 160	13.482 88	68.42 84	5.01 20	45.24 148	56.179 146	44.38 165
28.8	20.39 31	82.34 113	13.394 120	69.26 57	4.81 25	46.72 109	56.033 174	46.03 127
7 8.8	20.08 34	83.47 64	13.274 146	69.83 27	4.56 29	47.81 69	55.859 196	47.30 85
18.8	19.74 35	84.11 14	13.128 169	70.10 2	4.27 31	48.50 26	55.663 212	48.15 43
28.8	19.39 37	84.25 37	12.959 184	70.08 32	3.96 34	48.76 18	55.451 224	48.58 3
8 7.7	19.02 37	83.88 88	12.775 190	69.76 61	3.62 34	48.58 62	55.227 228	48.55 48
17.7	18.65 35	83.00 137	12.585 189	69.15 88	3.28 33	47.96 103	54.999 223	48.07 93
27.7	18.30 33	81.63 186	12.396 177	68.27 112	2.95 31	46.93 141	54.776 212	47.14 137
9 6.7	17.97 30	79.77 230	12.219 153	67.15 132	2.64 27	45.52 175	54.564 191	45.77 180
16.6	17.67 26	77.47 271	12.066 120	65.83 145	2.37 22	43.77 202	54.373 162	43.97 220
26.6	17.41 20	74.76 308	11.946 76	64.38 152	2.15 15	41.75 221	54.211 123	41.77 257
10 6.6	17.21 14	71.68 338	11.870 23	62.86 153	2.00 7	39.54 232	54.088 78	39.20 289
16.5	17.07 6	68.30 362	11.847 36	61.33 145	1.93 2	37.22 231	54.010 24	36.31 318
26.5	17.01 2	64.68 379	11.883 100	59.88 130	1.95 12	34.91 222	53.986 36	33.13 339
11 5.5	17.03 10	60.89 387	11.983 165	58.58 108	2.07 21	32.69 203	54.022 97	29.74 353
15.5	17.13 19	57.02 386	12.148 229	57.50 78	2.28 30	30.66 174	54.119 160	26.21 359
25.4	17.32 27	53.16 374	12.377 286	56.72 46	2.58 39	28.92 138	54.279 221	22.62 356
12 5.4	17.59 34	49.42 352	12.663 337	56.26 9	2.97 46	27.54 94	54.500 277	19.06 342
15.4	17.93 42	45.90 319	13.000 378	56.17 30	3.43 52	26.60 48	54.777 324	15.64 319
25.4	18.35 47	42.71 276	13.378 405	56.47 66	3.95 55	26.12 0	55.101 364	12.45 285
35.3	18.82	39.95	13.783	57.13	4.50	26.12	55.465	9.60
中位	s 17.922	″ 74.89	s 11.687	″ 50.06	s 3.150	″ 19.54	s 54.057	″ 41.58
Sec.δ.Tan δ	+2.028	+1.754	+1.344	-0.898	+2.038	+1.776	+1.405	+0.987
2回正中	4月29日		4月30日		5月1日		5月1日	
a b	+0.0816	-0.0932	+0.1902	+0.0472	+0.2279	+0.0920	+0.1117	-0.0510
a′ b′	-0.7926	+0.6098	-0.7875	+0.6163	-0.7770	+0.6295	-0.7747	+0.6324
FK3番号	536		537		538		540	

本初子午線正中時

星名	α Circ		α Lupi		†5 Boot m		μ Virg	
等級 スペクトル型	3.41	F0	2.89	B2	3.86	A2	3.95	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	14h 38m	−64° 44′	14h 38m	−47° 9′	14h 38m	+13° 56′	14h 40m	−5° 25′
1 1.3	13.22 65	45.12 8	25.227 442	45.86 65	38.439 321	56.27 236	17.429 323	58.93 195
11.3	13.87 66	45.20 59	25.669 453	46.51 104	38.760 331	53.91 214	17.752 332	60.88 192
21.3	14.53 67	45.79 106	26.122 452	47.55 137	39.091 331	51.77 183	18.084 331	62.80 183
31.3	15.20 65	46.85 151	26.574 440	48.92 167	39.422 324	49.94 148	18.415 322	64.63 168
2 10.2	15.85 62	48.36 190	27.014 419	50.59 191	39.746 308	48.46 109	18.737 307	66.31 148
20.2	16.47 58	50.26 224	27.433 390	52.50 211	40.054 286	47.37 68	19.044 284	67.79 124
3 1.2	17.05 54	52.50 253	27.823 357	54.61 224	40.340 259	46.69 27	19.328 260	69.03 100
11.1	17.59 47	55.03 275	28.180 319	56.85 233	40.599 230	46.42 13	19.588 231	70.03 74
21.1	18.06 41	57.78 291	28.499 279	59.18 238	40.829 198	46.55 48	19.819 202	70.77 49
31.1	18.47 35	60.69 301	28.778 238	61.56 237	41.027 167	47.03 79	20.021 173	71.26 25
4 10.1	18.82 28	63.70 305	29.016 196	63.93 233	41.194 135	47.82 105	20.194 143	71.51 6
20.0	19.10 20	66.75 303	29.212 154	66.26 226	41.329 103	48.87 123	20.337 115	71.57 13
30.0	19.30 14	69.78 297	29.366 110	68.52 215	41.432 74	50.10 136	20.452 86	71.44 26
5 9.9	19.44 6	72.75 283	29.476 68	70.67 200	41.506 43	51.46 142	20.538 57	71.18 37
19.9	19.50 1	75.58 263	29.544 24	72.67 181	41.549 15	52.88 142	20.595 31	70.81 46
29.9	19.49 9	78.21 240	29.568 18	74.48 161	41.564 12	54.30 137	20.626 3	70.35 50
6 8.9	19.40 15	80.61 210	29.550 60	76.09 136	41.552 38	55.67 127	20.629 22	69.85 53
18.9	19.25 21	82.71 175	29.490 98	77.45 108	41.514 62	56.94 115	20.607 48	69.32 54
28.8	19.04 27	84.46 136	29.392 134	78.53 78	41.452 85	58.09 97	20.559 70	68.78 52
7 8.8	18.77 32	85.82 94	29.258 165	79.31 47	41.367 104	59.06 79	20.489 92	68.26 51
18.8	18.45 36	86.76 49	29.093 190	79.78 12	41.263 120	59.85 57	20.397 108	67.75 46
28.8	18.09 38	87.25 2	28.903 208	79.90 21	41.143 133	60.42 34	20.289 121	67.29 42
8 7.7	17.71 40	87.27 45	28.695 217	79.69 55	41.010 138	60.76 10	20.168 129	66.87 36
17.7	17.31 38	86.82 90	28.478 216	79.14 87	40.872 138	60.86 16	20.039 130	66.51 27
27.7	16.93 36	85.92 133	28.263 203	78.27 115	40.734 132	60.70 41	19.909 123	66.24 17
9 6.7	16.57 32	84.59 170	28.060 178	77.12 140	40.602 117	60.29 69	19.786 110	66.07 6
16.6	16.25 26	82.89 202	27.882 143	75.72 159	40.485 96	59.60 97	19.676 87	66.01 9
26.6	15.99 19	80.87 227	27.739 95	74.13 170	40.389 65	58.63 124	19.589 57	66.10 26
10 6.6	15.80 9	78.60 240	27.644 38	72.43 175	40.324 29	57.39 151	19.532 20	66.36 45
16.5	15.71 1	76.20 245	27.606 27	70.68 171	40.295 15	55.88 178	19.512 23	66.81 66
26.5	15.72 11	73.75 240	27.633 96	68.97 159	40.310 61	54.10 202	19.535 72	67.47 89
11 5.5	15.83 22	71.35 222	27.729 167	67.38 139	40.371 112	52.08 223	19.607 121	68.36 113
15.5	16.05 33	69.13 197	27.896 235	65.99 111	40.483 160	49.85 241	19.728 169	69.49 135
25.4	16.38 42	67.16 162	28.131 300	64.88 78	40.643 208	47.44 253	19.897 217	70.84 155
12 5.4	16.80 51	65.54 120	28.431 355	64.10 40	40.851 250	44.91 257	20.114 256	72.39 173
15.4	17.31 58	64.34 74	28.786 400	63.70 0	41.101 284	42.34 256	20.370 290	74.12 186
25.4	17.89 63	63.60 24	29.186 432	63.70 40	41.385 311	39.78 246	20.660 315	75.98 193
35.3	18.52	63.36	29.618	64.10	41.696	37.32	20.975	77.91
平位	16.661 s	60.96″	27.552 s	58.32″	39.812 s	61.34″	18.960 s	59.66″
Secδ, Tanδ	+2.344	−2.120	+1.471	−1.079	+1.030	+0.248	+1.005	−0.095
2回正中	5月1日		5月1日		5月1日		5月2日	
a b	+0.2434	+0.1090	+0.1992	+0.0554	+0.1428	−0.0128	+0.1574	+0.0049
a′ b′	−0.7709	+0.6370	−0.7704	+0.6376	−0.7698	+0.6383	−0.7652	+0.6439
FK3番号	539		541		543		545	

本初子午線正中時

星名	371 G. Cent		α Apds		30 G. Lupi		109 Virg	
等級 スペクトル型	4.13	K0	3.81	K5	5.20	K0	3.76	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	14h 40m	−34° 56′	14h 41m	−78° 49′	14h 43m	−52° 9′	14h 43m	+2° 6′
1 1.3	26.122 381	54.13 105	11.16 129	17.87 40	19.573 478	39.92 43	35.544 317	37.58 213
11.3	26.503 391	55.18 132	12.45 134	17.47 17	20.051 491	40.35 84	35.861 327	35.45 201
21.3	26.894 389	56.50 154	13.79 136	17.64 73	20.542 493	41.19 123	36.188 328	33.44 184
31.3	27.283 379	58.04 172	15.15 133	18.37 126	21.035 481	42.42 157	36.516 320	31.60 161
2 10.2	27.662 360	59.76 184	16.48 129	19.63 175	21.516 460	43.99 186	36.836 305	29.99 134
20.2	28.022 336	61.60 191	17.77 120	21.38 218	21.976 430	45.85 211	37.141 283	28.65 103
3 1.2	28.358 306	63.51 194	18.97 111	23.56 256	22.406 395	47.96 229	37.424 259	27.62 71
11.1	28.664 275	65.45 193	20.08 99	26.12 288	22.801 354	50.25 242	37.683 231	26.91 40
21.1	28.939 242	67.38 188	21.07 85	29.00 312	23.155 312	52.67 251	37.914 202	26.51 10
31.1	29.181 207	69.26 181	21.92 71	32.12 331	23.467 266	55.18 254	38.116 172	26.41 17
4 10.1	29.388 173	71.07 172	22.63 55	35.43 342	23.733 220	57.72 254	38.288 142	26.58 40
20.0	29.561 137	72.79 161	23.18 38	38.85 345	23.953 171	60.26 248	38.430 113	26.98 58
30.0	29.698 104	74.40 148	23.56 22	42.30 343	24.124 124	62.74 239	38.543 85	27.56 72
5 9.9	29.802 68	75.88 134	23.78 5	45.73 333	24.248 76	65.13 225	38.628 56	28.28 81
19.9	29.870 34	77.22 118	23.83 12	49.06 315	24.324 26	67.38 208	38.684 29	29.09 86
29.9	29.904 1	78.40 101	23.71 29	52.21 291	24.350 22	69.46 186	38.713 2	29.95 88
6 8.9	29.903 34	79.41 81	23.42 44	55.12 260	24.328 68	71.32 161	38.715 25	30.83 85
18.9	29.869 65	80.22 61	22.98 59	57.72 223	24.260 114	72.93 131	38.690 49	31.68 81
28.8	29.804 96	80.83 38	22.39 71	59.95 181	24.146 153	74.24 99	38.641 72	32.49 74
7 8.8	29.708 122	81.21 16	21.68 82	61.76 133	23.993 190	75.23 64	38.569 93	33.23 64
18.8	29.586 143	81.37 8	20.86 89	63.09 81	23.803 218	75.87 28	38.476 110	33.87 54
28.8	29.443 160	81.29 31	19.97 95	63.90 28	23.585 239	76.15 11	38.366 123	34.41 42
8 7.7	29.283 167	80.98 54	19.02 96	64.18 26	23.346 249	76.04 48	38.243 130	34.83 27
17.7	29.116 169	80.44 74	18.06 94	63.92 81	23.097 248	75.56 84	38.113 132	35.10 13
27.7	28.947 159	79.70 92	17.12 88	63.11 132	22.849 235	74.72 117	37.981 127	35.23 4
9 6.7	28.788 140	78.78 106	16.24 79	61.79 178	22.614 208	73.55 147	37.854 113	35.19 22
16.6	28.648 112	77.72 116	15.45 65	60.01 220	22.406 169	72.08 169	37.741 92	34.97 42
26.6	28.536 73	76.56 119	14.80 49	57.81 252	22.237 117	70.39 186	37.649 62	34.55 63
10 6.6	28.463 26	75.37 116	14.31 29	55.29 274	22.120 54	68.53 194	37.587 26	33.92 86
16.5	28.437 27	74.21 107	14.02 8	52.55 287	22.066 16	66.59 194	37.561 17	33.06 110
26.5	28.464 86	73.14 92	13.94 15	49.68 287	22.082 92	64.65 185	37.578 64	31.96 133
11 5.5	28.550 145	72.22 69	14.09 37	46.81 275	22.174 171	62.80 166	37.642 112	30.63 156
15.5	28.695 205	71.53 43	14.46 60	44.06 252	22.345 246	61.14 140	37.754 161	29.07 177
25.4	28.900 258	71.10 11	15.06 80	41.54 219	22.591 317	59.74 107	37.915 208	27.30 194
12 5.4	29.158 307	70.99 20	15.86 99	39.35 177	22.908 379	58.67 69	38.123 249	25.36 207
15.4	29.465 344	71.19 54	16.85 113	37.58 129	23.287 429	57.98 27	38.372 282	23.29 215
25.4	29.809 373	71.73 86	17.98 125	36.29 74	23.716 466	57.71 16	38.654 308	21.14 214
35.3	30.182	72.59	19.23	35.55	24.182	57.87	38.962	19.00
平位	28.101 s	63.46″	18.065 s	35.14″	22.152 s	53.13″	37.025 s	39.25″
Secδ, Tanδ	+1.220	−0.699	+5.161	−5.063	+1.630	−1.288	+1.001	+0.037
2回正中	5月2日		5月2日		5月3日		5月3日	
a b	+0.1834	+0.0356	+0.3718	+0.2573	+0.2095	+0.0649	+0.1517	−0.0019
a′ b′	−0.7647	+0.6444	−0.7624	+0.6471	−0.7565	+0.6540	−0.7558	+0.6548
FK3番号	544		542		546		547	

本初子午線正中時

星名	α² Libr		Grb2164 Drac		β UMin		Pi 14h221 Boot	
等級 スペクトル型	2.90	A3	5.67	K2	2.24	K5	5.77	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 14 47	° ′ −15 49	h m 14 50	° ′ +59 29	h m 14 50	° ′ +74 21	h m 14 53	° ′ +14 36
1 1.3	s 58.121 331	″ 33.17 161	s 5.552 465	″ 61.63 265	s 48.16 77	″ 48.35 248	s 44.387 313	″ 73.79 239
11.3	58.452 341	34.78 170	6.017 500	58.98 211	48.93 83	45.87 190	44.700 327	71.40 217
21.3	58.793 342	36.48 171	6.517 518	56.87 149	49.76 88	43.97 126	45.027 331	69.23 187
31.3	59.135 334	38.19 168	7.035 520	55.38 85	50.64 90	42.71 59	45.358 325	67.36 152
2 10.2	59.469 318	39.87 160	7.555 505	54.53 17	51.54 87	42.12 10	45.683 312	65.84 112
20.2	59.787 297	41.47 148	8.060 474	54.36 48	52.41 83	42.22 76	45.995 292	64.72 70
3 1.2	60.084 273	42.95 132	8.534 432	54.84 111	53.24 75	42.98 139	46.287 269	64.02 28
11.2	60.357 245	44.27 115	8.966 377	55.95 167	53.99 65	44.37 193	46.556 240	63.74 13
21.1	60.602 217	45.42 97	9.343 316	57.62 215	54.64 53	46.30 239	46.796 211	63.87 50
31.1	60.819 187	46.39 79	9.659 249	59.77 252	55.17 41	48.69 274	47.007 180	64.37 83
4 10.1	61.006 158	47.18 63	9.908 180	62.29 280	55.58 26	51.43 297	47.187 149	65.20 109
20.0	61.164 128	47.81 47	10.088 108	65.09 295	55.84 13	54.40 310	47.336 118	66.29 129
30.0	61.292 99	48.28 33	10.196 38	68.04 299	55.97 2	57.50 310	47.454 87	67.58 142
5 9.9	61.391 70	48.61 22	10.234 −28	71.03 293	55.95 15	60.60 300	47.541 58	69.00 150
19.9	61.461 41	48.83 10	10.206 92	73.96 278	55.80 27	63.60 279	47.599 27	70.50 151
29.9	61.502 12	48.93 1	10.114 150	76.74 252	55.53 40	66.39 250	47.626 1	72.01 146
6 8.9	61.514 −16	48.94 −8	9.964 204	79.26 221	55.13 49	68.89 213	47.625 29	73.47 136
18.9	61.498 44	48.86 15	9.760 250	81.47 181	54.64 59	71.02 170	47.596 56	74.83 123
28.9	61.454 68	48.71 22	9.510 290	83.29 138	54.05 65	72.72 123	47.540 79	76.06 106
7 8.8	61.386 92	48.49 29	9.220 322	84.67 91	53.40 71	73.95 73	47.461 102	77.12 87
18.8	61.294 112	48.20 34	8.898 345	85.58 41	52.69 75	74.68 20	47.359 120	77.99 64
28.8	61.182 126	47.86 40	8.553 361	85.99 −8	51.94 77	74.88 33	47.239 134	78.63 41
8 7.7	61.056 135	47.46 43	8.192 366	85.91 60	51.17 77	74.55 86	47.105 142	79.04 15
17.7	60.921 138	47.03 46	7.826 361	85.31 111	50.40 75	73.69 138	46.963 145	79.19 −20
27.7	60.783 133	46.57 45	7.465 345	84.20 160	49.65 72	72.31 187	46.818 141	79.09 38
9 6.7	60.650 118	46.12 43	7.120 319	82.60 206	48.93 67	70.44 233	46.677 129	78.71 66
16.6	60.532 96	45.69 37	6.801 280	80.54 249	48.26 59	68.11 275	46.548 108	78.05 94
26.6	60.436 65	45.32 27	6.521 230	78.05 289	47.67 50	65.36 312	46.440 79	77.11 122
10 6.6	60.371 26	45.05 14	6.291 170	75.16 322	47.17 39	62.24 344	46.361 44	75.89 151
16.6	60.345 19	44.91 −3	6.121 101	71.94 350	46.78 28	58.90 368	46.317 2	74.38 177
26.5	60.364 68	44.94 23	6.020 23	68.44 372	46.50 13	55.12 385	46.315 −43	72.61 202
11 5.5	60.432 120	45.17 46	5.997 −57	64.72 383	46.37 −7	51.27 394	46.360 95	70.59 224
15.5	60.552 171	45.63 69	6.056 143	60.89 387	46.38 16	47.33 391	46.455 145	68.35 242
25.4	60.723 220	46.32 94	6.199 227	57.02 380	46.54 31	43.42 380	46.600 193	65.93 255
12 5.4	60.943 261	47.26 117	6.426 306	53.22 361	46.85 46	39.62 357	46.793 237	63.38 260
15.4	61.204 297	48.43 137	6.732 376	49.61 334	47.31 59	36.05 323	47.030 273	60.78 258
25.4	61.501 322	49.80 153	7.108 434	46.27 293	47.90 70	32.82 279	47.303 302	58.20 249
35.3	61.823	51.33	7.542	43.34	48.60	30.03	47.605	55.71
中位	s 59.809	″ 36.71	s 6.980	″ 76.87	s 49.93	″ 64.97	s 45.833	″ 79.36
Sec δ Tan δ	+1.039	−0.283	+1.971	+1.698	+3.711	+3.574	+1.034	+0.262
2回正中	5月 4日		5月 4日		5月 4日		5月 5日	
a b	+0.1660	+0.0140	+0.0768	−0.0834	−0.0083	−0.1751	+0.1414	−0.0127
a′ b′	−0.7432	+0.6691	−0.7369	+0.6760	−0.7348	+0.6783	−0.7261	+0.6876
FK3番号	548		549		550		551	

本初子午線正中時

星名	β Lupi		K Cent		2 H. UMin		β Boot	
等級 スペクトル型	2.81	B2p	3.35	B3	4.86	M3	3.63	G5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 14 55	° ′ −42 55	h m 14 55	° ′ −41 53	h m 14 56	° ′ +66 7	h m 14 59	° ′ +40 35
1 1.4	s 4.608 411	″ 22.48 63	s 43.840 405	″ 38.67 65	s 43.28 54	″ 64.92 266	s 57.739 350	″ 29.16 275
11.3	5.019 424	23.11 95	44.245 419	39.32 98	43.82 59	62.26 210	58.089 371	26.41 233
21.3	5.443 427	24.06 126	44.664 421	40.30 127	44.41 62	60.16 147	58.460 382	24.08 182
31.3	5.870 420	25.32 151	45.085 415	41.57 151	45.03 62	58.69 82	58.842 381	22.26 126
2 10.2	6.290 403	26.83 172	45.500 398	43.08 171	45.65 62	57.87 12	59.223 370	21.00 66
20.2	6.693 379	28.55 186	45.898 374	44.79 187	46.27 58	57.75 −54	59.593 348	20.34 6
3 1.2	7.072 351	30.43 200	46.272 346	46.66 196	46.85 53	58.29 117	59.941 321	20.29 −52
11.2	7.423 317	32.43 206	46.618 314	48.62 203	47.38 46	59.46 175	60.262 286	20.80 106
21.2	7.740 283	34.49 209	46.932 280	50.65 205	47.84 39	61.21 222	60.548 247	21.86 154
31.1	8.023 246	36.58 209	47.212 243	52.70 203	48.23 31	63.43 261	60.795 206	23.40 193
4 10.1	8.269 208	38.67 205	47.455 207	54.73 200	48.54 21	66.04 288	61.001 163	25.33 223
20.0	8.477 170	40.72 198	47.662 168	56.73 193	48.75 13	68.92 304	61.164 120	27.56 245
30.0	8.647 130	42.70 189	47.830 130	58.66 183	48.88 4	71.96 309	61.284 76	30.01 255
5 9.9	8.777 90	44.59 177	47.960 91	60.49 171	48.92 −6	75.05 301	61.360 35	32.56 256
19.9	8.867 49	46.36 161	48.051 51	62.20 156	48.86 13	78.06 284	61.395 −6	35.12 249
29.9	8.916 9	47.97 144	48.102 10	63.76 139	48.73 21	80.90 260	61.389 45	37.61 234
6 8.9	8.925 −30	49.41 123	48.112 −28	65.15 118	48.52 28	83.50 225	61.344 81	39.95 210
18.9	8.895 70	50.64 101	48.084 66	66.33 97	48.24 34	85.75 186	61.263 114	42.05 182
28.9	8.825 105	51.65 74	48.018 102	67.30 71	47.90 39	87.61 141	61.149 144	43.87 147
7 8.8	8.720 138	52.39 47	47.916 133	68.01 44	47.51 43	89.02 92	61.005 170	46.34 110
18.8	8.582 164	52.86 19	47.783 160	68.45 17	47.08 46	89.94 41	60.835 191	46.44 70
28.8	8.418 185	53.05 −12	47.623 181	68.62 −13	46.62 48	90.35 −11	60.644 206	47.14 27
8 7.7	8.233 198	52.93 41	47.442 193	68.49 40	46.14 49	90.24 63	60.438 215	47.41 −17
17.7	8.035 200	52.52 69	47.249 196	68.09 69	45.65 48	89.61 114	60.223 217	47.24 61
27.7	7.835 193	51.83 96	47.052 190	67.40 93	45.17 47	88.47 165	60.006 210	46.63 104
9 6.7	7.642 174	50.87 117	46.863 171	66.47 115	44.70 43	86.82 213	59.796 195	45.59 147
16.6	7.468 144	49.70 135	46.692 141	65.32 132	44.27 38	84.69 256	59.601 171	44.12 188
26.6	7.324 102	48.35 147	46.551 100	64.00 142	43.89 32	82.13 295	59.430 138	42.24 227
10 6.6	7.222 52	46.88 151	46.451 51	62.58 146	43.57 25	79.18 330	59.292 91	39.97 261
16.6	7.170 −8	45.37 148	46.400 −7	61.12 143	43.32 17	75.88 358	59.196 47	37.36 292
26.5	7.178 71	43.89 138	46.407 71	59.69 132	43.15 7	72.30 378	59.149 −9	34.44 318
11 5.5	7.249 139	42.51 120	46.478 136	58.37 115	43.08 −3	68.52 389	59.158 67	31.26 337
15.5	7.388 204	41.31 96	46.614 202	57.22 90	43.11 13	64.63 393	59.225 128	27.89 348
25.4	7.592 266	40.35 66	46.816 261	56.32 61	43.24 23	60.70 384	59.353 187	24.41 350
12 5.4	7.858 320	39.69 32	47.077 316	55.71 27	43.47 33	56.86 345	59.540 242	20.91 343
15.4	8.178 365	39.37 −3	47.393 360	55.44 −7	43.80 43	53.21 336	59.782 290	17.48 325
25.4	8.543 399	39.40 40	47.753 394	55.51 43	44.23 50	49.85 295	60.072 330	14.23 297
35.3	8.942	39.80	48.147	55.94	44.73	46.90	60.402	11.26
中位	s 6.902	″ 32.87	s 46.105	″ 48.78	s 44.890	″ 80.82	s 59.152	″ 41.15
Sec δ Tan δ	+1.366	−0.930	+1.343	−0.897	+2.472	+2.261	+1.317	+0.857
2回正中	5月 6日		5月 6日		5月 6日		5月 7日	
a b	+0.1962	+0.0448	+0.1948	+0.0431	+0.0483	−0.1081	+0.1129	−0.0404
a′ b′	−0.7220	+0.6919	−0.7200	+0.6939	−0.7171	+0.6970	−0.7072	+0.7071
FK3番号	552		553		554		555	

本初子午線正中時

星名	σ Libr		ψ Boot		ζ Lupi		ι Libr	
等級 スペクトル型	3.41	M3	4.67	K0	3.50	K0	4.66	A0p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 0	° ′ −25 4	h m 15 2	° ′ +27 8	h m 15 8	° ′ −51 53	h m 15 9	° ′ −19 35
	s	″	s	″	s	″	s	″
1 1.4	59.324 344	38.57 122	11.514 319	48.82 263	29.349 443	58.88 14	13.252 329	42.85 137
11.3	59.668 356	39.79 139	11.833 337	46.19 231	29.812 483	59.02 54	13.581 342	44.22 148
21.3	60.024 359	41.18 151	12.170 344	43.88 190	30.295 492	59.56 91	13.923 347	45.70 154
31.3	60.383 354	42.69 158	12.514 342	41.98 143	30.787 487	60.47 125	14.270 342	47.24 155
2 10.2	60.737 339	44.27 160	12.856 330	40.55 93	31.274 472	61.72 154	14.612 331	48.79 152
20.2	61.076 320	45.87 159	13.186 312	39.62 41	31.746 449	63.26 181	14.943 313	50.31 144
3 1.2	61.396 296	47.46 152	13.498 287	39.21 70	32.195 419	65.07 200	15.256 291	51.75 132
11.2	61.692 270	48.98 144	13.785 258	39.31 59	32.614 383	67.07 217	15.547 266	53.07 120
21.1	61.962 241	50.42 133	14.043 227	39.90 102	32.997 345	69.24 227	15.813 240	54.27 105
31.1	62.203 212	51.75 122	14.270 192	40.92 139	33.342 303	71.51 235	16.053 211	55.32 91
4 10.1	62.415 181	52.97 110	14.462 158	42.31 170	33.645 259	73.86 237	16.264 183	56.23 76
20.1	62.596 150	54.07 97	14.620 122	44.01 190	33.904 213	76.23 236	16.447 154	56.99 63
30.0	62.746 120	55.04 86	14.742 88	45.91 204	34.117 166	78.59 232	16.601 124	57.62 51
5 9.9	62.866 88	55.90 74	14.830 54	47.95 209	34.283 117	80.91 222	16.725 93	58.13 40
19.9	62.954 56	56.64 62	14.884 20	50.04 207	34.400 66	83.13 209	16.818 63	58.53 29
29.9	63.010 24	57.26 50	14.904 12	52.11 197	34.466 16	85.22 191	16.881 32	58.82 20
6 8.9	63.034 7	57.76 38	14.892 44	54.08 180	34.482 34	87.13 171	16.913 1	59.02 11
18.9	63.027 39	58.14 25	14.848 72	55.88 160	34.448 82	88.84 145	16.914 30	59.13 3
28.9	62.988 68	58.39 12	14.776 100	57.48 134	34.366 128	90.29 116	16.884 58	59.16 6
7 8.8	62.920 95	58.51 7	14.676 123	58.82 106	34.238 169	91.45 85	16.826 86	59.10 14
18.8	62.825 117	58.50 15	14.553 143	59.88 73	34.069 203	92.30 50	16.740 109	58.96 23
28.8	62.708 137	58.35 28	14.410 159	60.61 40	33.866 231	92.80 15	16.631 128	58.73 30
8 7.8	62.571 147	58.07 41	14.251 168	61.01 5	33.635 248	92.95 23	16.503 140	58.43 37
17.7	62.424 153	57.66 52	14.083 171	61.06 32	33.387 254	92.72 58	16.363 147	58.06 43
27.7	62.271 148	57.14 61	13.912 168	60.74 67	33.133 247	92.14 93	16.216 145	57.63 48
9 6.7	62.123 136	56.53 68	13.744 155	60.07 104	32.886 227	91.21 125	16.071 133	57.15 48
16.6	61.987 113	55.85 70	13.589 135	59.03 139	32.659 194	89.94 150	15.938 113	56.67 48
26.6	61.874 81	55.15 69	13.454 105	57.64 174	32.465 146	88.46 171	15.825 84	56.19 42
10 6.6	61.793 40	54.46 62	13.349 69	55.90 206	32.319 88	86.75 183	15.741 46	55.77 33
16.6	61.753 6	53.84 52	13.280 25	53.84 236	32.231 21	84.92 188	15.695 2	55.44 20
26.5	61.759 59	53.32 35	13.255 25	51.48 263	32.210 55	83.04 184	15.693 49	55.24 3
11 5.5	61.818 114	52.97 16	13.280 74	48.85 283	32.215 132	81.20 172	15.742 101	55.21 17
15.5	61.932 169	52.81 9	13.356 130	46.02 299	32.397 210	79.48 151	15.843 155	55.38 39
25.5	62.101 220	52.90 34	13.486 182	43.03 307	32.607 283	77.97 123	15.998 204	55.77 63
12 5.4	62.321 266	53.24 60	13.668 230	39.96 306	32.890 349	76.74 89	16.202 250	56.40 86
15.4	62.587 304	53.84 85	13.898 271	36.90 298	33.239 404	75.85 52	16.452 289	57.26 108
25.4	62.891 334	54.69 109	14.169 304	33.92 278	33.643 447	75.33 12	16.741 317	58.34 126
35.3	63.225	55.78	14.473	31.14	34.090	75.21	17.058	59.60
中位	s 61.220	″ 44.08	s 12.952	″ 57.79	s 32.112	″ 70.23	s 15.100	″ 46.45
Sec.δ Tan.δ	+1.104	−0.468	+1.124	+0.513	+1.621	−1.275	+1.061	−0.356
2回正中	5月 7日		5月 7日		5月 9日		5月 9日	
a b	+0.1755	+0.0220	+0.1289	−0.0239	+0.2157	+0.0579	+0.1708	+0.0161
a′ b′	−0.7040	+0.7103	−0.7002	+0.7139	−0.6803	+0.7329	−0.6780	+0.7351
FK3番号	556		557		558		559	

本初子午線正中時

星名	3 Serp		δ Boot		β Circ		γ Tri A	
等級 スペクトル型	5.44	K0	3.54	K0	4.16	A3	3.06	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 12	° ′ +5 7	h m 15 13	° ′ +33 30	h m 15 13	° ′ −58 36	h m 15 13	° ′ −68 29
	s	°	s	″	s	″	s	″
1 1.4	34.485 302	49.00 217	22.791 322	17.48 277	22.236 528	19.30 17	57.04 70	8.45 54
11.3	34.787 318	46.83 204	23.113 344	14.71 241	22.764 554	19.13 27	57.74 75	7.91 4
21.3	35.105 324	44.79 185	23.457 355	12.30 195	23.318 566	19.40 69	58.49 77	7.87 45
31.3	35.429 322	42.94 160	23.812 357	10.35 145	23.884 564	20.09 109	59.26 76	8.32 92
2 10.3	35.951 311	41.34 129	24.169 347	8.90 90	24.448 549	21.18 145	60.02 75	9.24 136
20.2	36.062 295	40.05 95	24.516 331	8.00 33	24.997 524	22.63 176	60.77 72	10.60 175
3 1.2	36.357 274	39.10 61	24.847 307	7.67 22	25.521 491	24.39 203	61.49 68	12.35 209
11.2	36.631 251	38.49 26	25.154 278	7.89 75	26.012 452	26.42 225	62.17 61	14.44 238
21.1	36.882 224	38.23 6	25.432 245	8.64 122	26.464 407	28.67 241	62.78 56	16.82 262
31.1	37.106 197	38.29 35	25.677 210	9.86 162	26.871 358	31.08 254	63.34 49	19.44 281
4 10.1	37.303 168	38.64 60	25.887 172	11.48 194	27.229 306	33.62 260	63.83 41	22.25 292
20.1	37.471 139	39.24 81	26.059 134	13.42 218	27.535 251	36.22 263	64.24 33	25.17 300
30.0	37.610 111	40.05 95	26.193 97	15.60 232	27.786 193	38.85 261	64.57 25	28.17 300
5 10.0	37.721 82	41.00 105	26.290 59	17.92 237	27.979 135	41.46 254	64.82 16	31.17 295
19.9	37.803 52	42.05 110	26.349 22	20.29 233	28.114 73	44.00 241	64.98 6	34.12 284
29.9	37.855 23	43.15 109	26.371 14	22.62 223	28.187 12	46.41 225	65.04 6	36.96 267
6 8.9	37.878 6	44.24 107	26.357 49	24.85 204	28.199 48	48.66 202	65.03 11	39.63 243
18.9	37.872 34	45.31 99	26.308 81	26.89 181	28.151 107	50.68 176	64.92 19	42.06 214
28.9	37.838 61	46.30 89	26.227 111	28.70 152	28.044 162	52.44 145	64.73 27	44.20 179
7 8.8	37.777 85	47.19 77	26.116 137	30.22 119	27.882 212	53.89 110	64.46 34	45.99 140
18.8	37.692 107	47.96 64	25.979 160	31.41 83	27.670 253	54.99 72	64.12 40	47.39 97
28.8	37.585 124	48.60 47	25.819 178	32.24 45	27.417 286	55.71 31	63.72 44	48.36 50
8 7.8	37.461 136	49.07 31	25.641 189	32.69 6	27.131 307	56.02 70	63.28 47	48.86 1
17.7	37.325 141	49.38 12	25.452 194	32.75 34	26.824 314	55.92 52	62.81 47	48.87 46
27.7	37.184 141	49.50 7	25.258 191	32.41 75	26.510 307	55.40 92	62.34 47	48.41 94
9 6.7	37.043 131	49.43 27	25.067 179	31.66 115	26.203 283	54.48 129	61.87 42	47.47 139
16.7	36.912 114	49.16 49	24.888 159	30.51 155	25.920 244	53.19 161	61.45 38	46.08 177
26.6	36.798 87	48.67 73	24.729 130	28.96 192	25.676 190	51.58 187	61.07 29	44.31 210
10 6.6	36.711 54	47.94 96	24.599 93	27.04 226	25.486 122	49.71 205	60.78 20	42.21 235
16.6	36.657 13	46.98 120	24.506 48	24.78 259	25.364 42	47.66 215	60.58 9	39.86 249
26.5	36.644 33	45.78 145	24.458 3	22.19 286	25.322 44	45.51 215	60.49 4	37.37 255
11 5.5	36.677 82	44.33 166	24.461 58	19.33 308	25.366 136	43.36 205	60.53 16	34.82 248
15.5	36.759 132	42.67 187	24.519 114	16.25 327	25.502 225	41.31 187	60.69 28	32.34 232
25.5	36.891 179	40.80 204	24.633 170	13.03 330	25.727 313	39.44 159	60.97 40	30.02 206
12 5.4	37.070 224	38.76 216	24.803 220	9.73 328	26.040 389	37.85 127	61.37 51	27.96 171
15.4	37.294 260	36.60 221	25.023 267	6.45 316	26.429 456	36.58 87	61.88 61	26.25 130
25.4	37.554 291	34.39 220	25.290 305	3.29 295	26.885 507	35.71 45	62.49 67	24.95 84
35.4	37.845	32.19	25.595	0.34	27.392	35.26	63.16	24.11
中位	s 36.082	″ 52.39	s 24.281	″ 27.97	s 25.470	″ 31.46	s 61.413	″ 21.98
Sec.δ Tan.δ	+1.004	+0.090	+1.199	+0.662	+1.920	−1.639	+2.727	−2.537
2回正中	5月 10日		5月 10日		5月 10日		5月 10日	
a b	+0.1489	−0.0040	+0.1204	−0.0293	+0.2350	+0.0726	+0.2800	+0.1121
a′ b′	−0.6672	+0.7449	−0.6646	+0.7472	−0.6645	+0.7473	−0.6625	+0.7490
FK3番号	562		563		561		560	

本初子午線正中時

星名	1 H.U Min		β Libr		φ' Lupi		τ U Min	
等級 スペクトル型	5.23	G0	2.74	B8	3.59	K5	3.14	A2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 13	° ′ +67 32	h m 15 14	° ′ −9 11	h m 15 18	° ′ −36 4	h m 15 20	° ′ +72 0
1 1.4	s 59.99	″ 22.42	s 10.537	″ 31.84	s 27.639	″ 19.77	s 45.36	″ 52.73
	60.53 54	19.60 282	10.848 311	33.56 172	28.008 369	20.42 65	45.98 62	49.92 281
11.3	60.60	17.32 228	11.174 326	35.28 172	28.393 385	21.34 92	46.67 69	47.63 229
21.3	61.13 63	15.64 168	11.505 331	36.96 168	28.786 393	22.49 115	47.42 75	45.95 168
31.3	61.76 65		11.832 327	38.53 157	29.177 391	23.82 133	48.20 78	44.92 103
2 10.3	62.41 65	14.62 34	12.150 318	39.96 143	29.556 379	25.30 148	48.98 78	44.58 34
20.2	63.06 62	14.28 35	12.451 301	41.19 123	29.918 362	26.88 158	49.73 75	44.93 35
3 1.2	63.68 58	14.63 99	12.732 281	42.22 103	30.257 339	28.52 164	50.44 71	45.92 99
11.2	64.26 51	15.62 159	12.989 257	43.01 79	30.569 312	30.18 166	51.07 63	47.32 160
21.1	64.77 45	17.21 210	13.221 232	43.59 58	30.853 284	31.84 166	51.61 54	49.62 210
31.1	65.22 35	19.31 251	13.426 205	43.95 36	31.106 253	33.47 163	52.05 44	52.16 254
4 10.1	65.57 27	21.82 283	13.603 177	44.13 18	31.326 220	35.06 159	52.37 32	55.00 284
20.1	65.84 16	24.65 302	13.753 150	44.13 0	31.512 186	36.58 152	52.57 20	58.05 305
30.0	66.00 8	27.67 310	13.874 121	44.01 12	31.664 152	38.02 144	52.66 9	61.18 311
5 10.0	66.08 −2	30.77 307	13.966 92	43.77 24	31.780 116	39.37 135	52.62 −4	64.29 298
19.9	66.06 12	33.84 293	14.028 62	43.46 31	31.858 78	40.61 124	52.47 15	67.27 276
29.9	65.94 19	36.77 272	14.061 33	43.09 37	31.899 41	41.72 111	52.21 26	70.03 245
6 8.9	65.75 28	39.49 240	14.065 4	42.68 41	31.902 −3	42.68 96	51.85 36	72.48 207
18.9	65.47 34	41.89 203	14.039 −26	42.26 42	31.867 −35	43.47 79	51.41 44	74.55 165
28.9	65.13 41	43.92 160			31.796 −71	44.08 61	50.88 53	76.20 117
7 8.8	64.72 45	45.52 112	13.985 54	41.83 43	31.693 103	44.49 41	50.30 58	77.37 67
18.8	64.27 49	46.64 63	13.906 79	41.40 41	31.560 133	44.68 19	49.66 64	78.04 15
28.8	63.78 52	47.27 10	13.804 102	40.99 39			48.99 67	78.19 −38
8 7.8	63.26 53	47.37 −42	13.683 121	40.60 36	31.404 173	44.64 25	48.31 68	77.81 90
17.7	62.73 54	46.95 94	13.549 134	40.24 31	31.231 181	44.39 48	47.62 69	76.91 142
27.7	62.19 51	46.01 146	13.409 140	39.93 25	31.050 179	43.91 69	46.95 67	75.49 191
9 6.7	61.68 49	44.55 194	13.270 139	39.68 17	30.871 167	43.22 86	46.32 63	73.58 236
16.7	61.19 44	42.61 239	13.140 130	39.51 7	30.704 144	42.36 99	45.73 59	71.22 279
26.6	60.75 39	40.22 282	13.028 112	39.44 −6	30.560 110	41.37 109	45.22 51	68.43 315
10 6.6	60.36 31	37.40 318	12.944 84	39.50 22	30.450 67	40.28 112	44.80 42	65.28 346
16.6	60.05 23	34.22 348	12.894 50	39.72 39	30.383 15	39.16 110	44.47 33	61.82 370
26.5	59.82 13	30.74 373	12.886 8	40.11 59	30.368 −42	38.06 101		
11 5.5	59.69 2	27.01 387	12.925 39	40.70 81	30.410 103	37.05 85	44.26 8	58.12 386
15.5	59.67 −8	23.14 393	13.015 90	41.51 102	30.513 164	36.20 65	44.18 −5	54.26 391
25.5	59.75 20	19.21 389	13.155 140	42.53 122	30.677 223	35.55 40	44.23 19	50.35 388
12 5.4	59.95 30	15.32 374	13.344 189	43.75 142	30.900 275	35.15 12	44.42 32	46.47 372
15.4	60.25 40	11.58 347	13.577 233	45.17 156	31.175 320	35.03 17	44.74 44	42.75 347
25.4	60.65 49	8.11 310	13.847 270	46.73 166	31.495 355	35.20 47	45.18 56	39.28 309
35.4	61.14	5.01	14.147 300	48.39	31.850	35.67	45.74	36.19
中位	s 61.857	″ 38.15	s 12.272	″ 32.36	s 29.869	″ 27.01	s 47.542	″ 68.63
Sec&Tan6	+2.618	+2.420	+1.013	−0.162	+1.237	−0.729	+3.239	+3.081
2回正中	5月10日		5月10日		5月11日		5月12日	
a b	+0.0325	−0.1069	+0.1614	+0.0071	+0.1903	+0.0315	−0.0045	−0.1315
a' b'	−0.6625	+0.7491	−0.6620	+0.7496	−0.6478	+0.7618	−0.6401	+0.7683
FK3番号	565		564		566		569	

本初子午線正中時

星名	μ Boot pr		τ' Serp		ι Drac		β Cor B	
等級 スペクトル型	4.47	F0	5.46	M0	3.47	K0	3.72	F0p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 22	° ′ +37 33	h m 15 23	° ′ +15 36	h m 15 23	° ′ +59 8	h m 15 25	° ′ +29 16
1 1.4	s 29.923	″ 19.42	s 20.961	″ 28.43	s 44.344	″ 36.68	s 39.442	″ 52.44
	30.246 323	16.56 286	21.259 298	25.97 246	44.763 419	33.72 296	39.748 306	49.68 276
11.3	30.594 348	14.09 247	21.574 315	23.73 224	45.227 464	31.26 246	40.076 328	47.25 243
21.3	30.957 363	12.08 201	21.898 324	21.78 195	45.721 494	29.38 188	40.417 341	45.22 203
31.3								
2 10.3	31.323 360	10.60 90	22.224 317	20.19 170	46.229 504	28.12 58	40.761 337	43.67 104
20.2	31.683 345	9.70 31	22.541 303	18.99 76	46.733 486	27.54 10	41.098 323	42.63 50
3 1.2	32.028 323	9.39 −28	22.844 283	18.23 32	47.219 456	27.64 74	41.421 303	42.13 −4
11.2	32.351 293	9.67 82	23.127 261	17.91 11	47.675 411	28.38 135	41.724 277	42.17 56
21.2	32.644 260	10.49 132	23.388 234	18.02 50	48.086 359	29.73 188	42.001 247	42.73 102
31.1	32.904 224	11.81 174	23.622 205	18.52 85	48.445 299	31.61 233	42.248 216	43.75 142
4 10.1	33.128 185	13.55 209	23.827 176	19.37 114	48.744 234	33.94 267	42.464 182	45.17 176
20.1	33.313 144	15.64 233	24.003 146	20.51 138	48.978 166	36.61 290	42.646 146	46.93 201
30.0	33.457 105	17.97 248	24.149 116	21.89 153	49.144 98	39.51 303	42.792 111	48.94 217
5 10.0	33.562 63	20.45 254	24.265 84	23.42 162	49.242 29	42.54 304	42.903 75	51.11 224
19.9	33.625 24	22.99 251	24.349 53	25.06 165	49.271 −37	45.58 295	42.978 40	53.35 224
29.9	33.649 −75	25.50 240	24.402 22	26.69 161	49.234 101	48.53 277	43.018 5	55.59 216
6 8.9	33.634 52	27.90 220	24.424 −9	28.30 153	49.133 159	51.30 251	43.077 −30	57.75 202
18.9	33.582 88	30.10 196	24.415 38	29.83 140	48.974 214	53.81 217	42.993 62	59.77 180
28.9	33.494 120	32.06 165	24.377 67	31.23 123	48.760 261	55.98 177	42.931 93	61.57 155
7 8.9	33.374 149	33.71 131	24.310 93	32.46 103	48.499 303	57.75 133	42.838 120	63.12 126
18.8	33.225 174	35.02 93	24.217 115	33.49 80	48.196 336	59.08 86	42.718 145	64.38 93
28.8	33.051 194	35.95 53	24.102 135	34.29 55	47.860 361	59.94 36	42.573 164	65.31 58
8 7.8	32.857 206	36.48 10	23.967 148	34.84 29	47.499 376	60.30 −15	42.409 178	65.89 21
17.7	32.651 213	36.58 32	23.819 155	35.13 2	47.123 380	60.15 66	42.231 185	66.10 −18
27.7	32.438 211	36.26 75	23.664 155	35.15 −27	46.743 375	59.49 117	42.046 184	65.94 55
9 6.7	32.227 201	35.51 118	23.509 147	34.88 57	46.368 356	58.32 165	41.862 176	65.39 93
16.7	32.026 180	34.33 159	23.362 131	34.31 85	46.012 325	56.67 213	41.686 158	64.46 131
26.6	31.846 152	32.74 199	23.231 105	33.46 115	45.687 283	54.54 255	41.528 131	63.15 167
10 6.6	31.694 114	30.75 236	23.126 73	32.31 144	45.404 229	51.99 295	41.397 97	61.48 203
16.6	31.580 68	28.39 268	23.053 32	30.89 172	45.175 165	49.04 328	41.300 54	59.45 234
26.5	31.512 16	25.71 298	23.021 −14	29.15 199	45.010 91	45.76 355	41.246 6	57.11 262
11 5.5	31.496 −41	22.73 319	23.035 −63	27.16 222	44.919 10	42.21 375	41.240 −47	54.49 286
15.5	31.537 99	19.54 335	23.098 114	24.94 240	44.909 74	38.46 385	41.287 102	51.63 304
25.5	31.636 157	16.19 342	23.212 163	22.54 255	44.983 159	34.61 385	41.389 155	48.59 313
12 5.4	31.793 212	12.77 339	23.375 210	19.99 263	45.142 241	30.76 375	41.544 206	45.46 315
15.4	32.005 261	9.38 328	23.585 250	17.36 262	45.383 318	27.01 353	41.750 251	42.31 307
25.4	32.266 303	6.10 304	23.836 282	14.74 254	45.701 383	23.48 320	42.001 288	39.24 291
35.4	32.569	3.06	24.117	12.20	46.084	20.28	42.289	36.33
中位	s 37.468	″ 30.74	s 22.547	″ 34.79	s 46.082	″ 51.38	s 47.001	″ 62.03
Sec&Tan6	+1.261	+0.769	+1.038	+0.279	+1.350	+1.674	+1.147	+0.561
2回正中	5月12日		5月13日		5月13日		5月13日	
a b	+0.1137	−0.0325	+0.1389	−0.0118	+0.0667	−0.0703	+0.1241	−0.0233
a' b'	−0.6343	+0.7731	−0.6314	+0.7754	−0.6301	+0.7765	−0.6236	+0.7818
FK3番号	568		570		571		572	

本初子午線正中時

星名	κ' Apds		ν Boot		ϑ Cor B		†r Lupi m	
等級 スペクトル型	5.65	B5p	5.15	K5	4.17	B5	2.95	B3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 25	° ′ -73 12	h m 15 29	° ′ +41 1	h m 15 30	° ′ +31 31	h m 15 31	° ′ -40 59
	s	″	s	″	s	″	s	″
1 1.4	42.46 85	29.93 85	1.983 326	22.04 293	48.272 306	50.54 282	37.534 382	29.23 32
11.3	43.31 92	29.08 35	2.309 354	19.11 254	48.578 329	47.72 248	37.916 403	29.55 62
21.3	44.23 94	28.73 16	2.663 372	16.57 205	48.907 344	45.24 206	38.319 413	30.17 89
31.3	45.17 96	28.89 66	3.035 378	14.52 151	49.251 348	43.18 158	38.732 415	31.06 113
2 10.3	46.13 94	29.55 112	3.413 374	13.01 91	49.599 343	41.60 104	39.147 406	32.19 132
20.2	47.07 91	30.67 155	3.787 359	12.10 30	49.942 330	40.56 49	39.553 390	33.51 147
3 1.2	47.98 87	32.22 195	4.146 338	11.80 $\overline{37}$	50.272 310	40.07 $\overline{6}$	39.943 368	34.78 159
11.2	48.85 80	34.17 228	4.484 309	12.11 87	50.582 285	40.13 59	40.311 344	36.57 167
21.2	49.65 72	36.45 256	4.793 275	12.98 139	50.867 255	40.72 108	40.655 314	38.24 172
31.1	50.37 64	39.01 279	5.068 237	14.37 183	51.122 223	41.80 149	40.969 283	39.96 174
4 10.1	51.01 54	41.80 296	5.305 196	16.20 218	51.345 188	43.29 184	41.252 249	41.70 174
20.1	51.55 45	44.76 307	5.501 154	18.38 244	51.533 153	45.13 209	41.501 214	43.44 171
30.0	52.00 33	47.83 311	5.655 111	20.82 260	51.686 116	47.22 226	41.715 179	45.15 166
5 10.0	52.33 22	50.94 311	5.766 68	23.42 267	51.802 79	49.48 235	41.892 138	46.81 159
19.9	52.55 11	54.05 301	5.834 24	26.09 263	51.881 42	51.83 234	42.030 97	48.40 150
29.9	52.66 7	57.06 288	5.858 $\overline{16}$	28.72 252	51.923 6	54.17 225	42.127 56	49.90 138
6 8.9	52.65 13	59.94 266	5.842 57	31.24 232	51.929 $\overline{30}$	56.42 211	42.183 14	51.28 124
18.9	52.52 24	62.60 238	5.785 95	33.56 207	51.899 64	58.53 189	42.197 29	52.52 106
28.9	52.28 34	64.98 204	5.690 129	35.63 175	51.835 95	60.42 163	42.168 69	53.58 87
7 8.9	51.94 43	67.02 165	5.561 161	37.38 139	51.740 125	62.05 132	42.099 106	54.45 64
18.8	51.51 51	68.67 121	5.400 187	38.77 99	51.615 150	63.37 99	41.993 140	55.09 41
28.8	51.00 58	69.88 73	5.213 209	39.76 57	51.465 170	64.36 61	41.853 168	55.50 15
8 7.8	50.42 61	70.61 23	5.004 224	40.33 14	51.295 185	64.97 24	41.685 187	55.65 $\overline{12}$
17.7	49.81 62	70.84 $\overline{28}$	4.780 230	40.47 37	51.110 193	65.21 16	41.498 199	55.53 38
27.7	49.19 62	70.56 80	4.550 230	40.16 76	50.917 193	65.05 55	41.299 200	55.15 64
9 6.7	48.57 57	69.76 127	4.320 219	39.40 121	50.724 185	64.50 95	41.099 189	54.51 86
16.7	48.00 51	68.49 172	4.101 200	38.19 163	50.539 168	63.55 135	40.910 166	53.65 106
26.6	47.49 42	66.77 209	3.901 170	36.56 205	50.371 141	62.20 172	40.744 133	52.59 120
10 6.6	47.07 30	64.68 238	3.731 132	34.51 243	50.230 106	60.48 208	40.611 88	51.39 130
16.6	46.77 16	62.30 259	3.599 86	32.08 277	50.124 64	58.40 241	40.523 $\overline{34}$	50.09 131
26.6	46.61 1	59.71 269	3.513 32	29.31 306	50.060 15	55.99 270	40.489 $\overline{27}$	48.78 128
11 5.5	46.60 $\overline{14}$	57.02 267	3.481 $\overline{27}$	26.25 330	50.045 $\overline{38}$	53.29 294	40.516 90	47.50 116
15.5	46.74 30	54.35 255	3.508 88	22.95 344	50.083 94	50.35 311	40.606 157	46.34 99
25.5	47.04 45	51.80 233	3.596 148	19.51 353	50.177 149	47.24 322	40.763 219	45.35 76
12 5.4	47.49 59	49.47 201	3.744 207	15.98 349	50.326 201	44.02 323	40.982 277	44.59 48
15.4	48.08 71	47.46 181	3.951 259	12.49 336	50.527 248	40.79 315	41.259 326	44.11 19
25.4	48.79 82	45.85 116	4.210 303	9.13 312	50.775 286	37.64 297	41.585 365	43.92 $\overline{12}$
35.4	49.61	44.69	4.513	6.01	51.061	34.67	41.950	43.04
中位	s 48.025	″ 42.97	s 3.576	″ 33.96	s 49.857	″ 60.62	s 39.983	″ 36.65
Sec δ Tan δ	+3.462	-3.314	+1.325	+0.870	+1.173	+0.614	+2.325	-0.869
2回正中	5月13日		5月14日		5月15日		5月15日	
a b	+0.3262	+0.1377	+0.1075	-0.0355	+0.1208	-0.0248	+0.1996	+0.0349
a' b'	-0.6232	+0.7821	-0.6120	+0.7909	-0.6059	+0.7956	-0.6030	+0.7978
FK3番号	567		573		576		575	

本初子午線正中時

星名	ε Tri A		α Cor B		γ Libr		ι Libr	
等級 スペクトル型	4.11	K0	2.31	A0	4.02	K0	3.78	K2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 31	° ′ -66 8	h m 15 32	° ′ +26 52	h m 15 32	° ′ -14 37	h m 15 33	° ′ -27 57
	s	″	s	″	s	″	s	″
1 1.4	51.90 63	28.36 68	27.476 299	69.89 274	34.876 309	2.11 142	49.567 335	47.21 86
11.3	52.53 68	27.68 23	27.775 321	67.15 244	35.185 326	3.53 149	49.902 353	48.07 104
21.3	53.21 70	27.45 $\overline{24}$	28.096 335	64.71 205	35.511 334	5.02 149	50.255 363	49.11 119
31.3	53.91 71	27.69 69	28.431 338	62.66 161	35.845 335	6.51 146	50.618 362	50.30 129
2 10.3	54.62 70	28.38 111	28.769 333	61.05 111	36.180 327	7.97 137	50.980 355	51.59 135
20.2	55.32 67	29.49 149	29.102 321	59.94 59	36.507 313	9.34 124	51.335 342	52.94 137
3 1.2	55.99 64	30.98 184	29.423 302	59.35 6	36.820 296	10.58 108	51.677 322	54.31 135
11.2	56.63 60	32.82 212	29.725 277	59.29 44	37.116 275	11.66 92	51.999 300	55.66 131
21.2	57.23 55	34.94 238	30.002 250	59.73 90	37.391 251	12.58 73	52.299 276	56.97 125
31.1	57.78 48	37.32 257	30.252 220	60.63 131	37.642 226	13.31 57	52.575 248	58.22 117
4 10.1	58.26 42	39.89 271	30.472 187	61.94 165	37.868 200	13.88 40	52.823 220	59.39 109
20.1	58.68 35	42.60 280	30.659 154	63.59 190	38.068 172	14.28 26	53.043 190	60.48 101
30.0	59.03 28	45.40 284	30.813 120	65.49 207	38.240 144	14.54 15	53.233 159	61.49 92
5 10.0	59.31 20	48.24 282	30.933 85	67.56 216	38.384 114	14.69 4	53.392 126	62.41 84
19.9	59.51 11	51.06 274	31.018 50	69.72 216	38.498 83	14.73 4	53.518 93	63.25 75
29.9	59.62 4	53.80 261	31.068 15	71.88 211	38.581 52	14.69 10	53.611 57	64.00 65
6 8.9	59.66 $\overline{5}$	56.41 241	31.083 $\overline{19}$	73.99 197	38.633 21	14.59 15	53.668 23	64.65 55
18.9	59.61 13	58.82 216	31.064 51	75.96 179	38.654 12	14.44 20	53.691 14	65.20 45
28.9	59.48 20	60.98 185	31.013 82	77.75 154	38.642 42	14.24 22	53.677 48	65.65 32
7 8.9	59.28 27	62.83 150	30.931 111	79.29 128	38.600 71	14.02 26	53.629 80	65.97 20
18.8	59.07 33	64.33 109	30.820 136	80.57 96	38.529 98	13.76 28	53.549 110	66.17 $\overline{6}$
28.8	58.68 38	65.42 66	30.684 156	81.53 63	38.431 119	13.48 30	53.439 134	66.23 $\overline{8}$
8 7.8	58.30 42	66.08 21	30.528 171	82.16 28	38.312 136	13.18 32	53.305 152	66.15 23
17.7	57.88 42	66.29 27	30.357 180	82.44 $\overline{8}$	38.176 146	12.86 32	53.153 162	65.92 36
27.7	57.46 43	66.02 73	30.177 180	82.36 45	38.030 147	12.54 32	52.991 165	65.56 49
9 6.7	57.03 39	65.29 117	29.997 173	81.91 82	37.883 141	12.22 29	52.826 156	65.07 60
16.7	56.64 36	64.12 156	29.824 157	81.09 119	37.742 125	11.93 24	52.670 139	64.47 67
26.6	56.28 29	62.56 191	29.667 131	79.90 155	37.617 98	11.69 17	52.531 110	63.80 71
10 6.6	55.99 21	60.65 217	29.536 98	78.35 189	37.519 66	11.52 6	52.421 73	63.09 71
16.6	55.78 11	58.48 235	29.438 56	76.46 221	37.453 $\overline{23}$	11.46 8	52.348 $\overline{27}$	62.38 65
26.6	55.67 0	56.13 244	29.382 9	74.25 250	37.430 $\overline{24}$	11.54 24	52.321 $\overline{26}$	61.73 55
11 5.5	55.67 $\overline{11}$	53.69 241	29.373 $\overline{42}$	71.75 273	37.454 75	11.78 42	52.347 81	61.18 39
15.5	55.78 23	51.28 228	29.415 97	69.02 292	37.529 127	12.20 63	52.428 138	60.79 21
25.5	56.01 33	49.00 207	29.512 149	66.10 304	37.656 177	12.83 84	52.566 192	60.58 $\overline{7}$
12 5.4	56.34 45	46.93 177	29.661 199	63.06 307	37.833 224	13.67 103	52.758 243	60.59 25
15.4	56.79 52	45.16 139	29.860 244	59.99 302	38.057 263	14.70 121	53.001 286	60.84 49
25.4	57.31 61	43.77 98	30.104 281	56.97 287	38.320 296	15.91 135	53.287 320	61.33 72
35.4	57.92	42.79	30.385	54.10	38.616	17.26	53.607	62.05
中位	s 56.105	″ 40.05	s 29.072	″ 78.98	s 36.760	″ 3.24	s 51.681	″ 51.56
Sec δ Tan δ	+2.493	-2.261	+1.121	+0.507	+1.033	-0.261	+1.132	-0.531
2回正中	5月15日		5月15日		5月15日		5月15日	
a b	+0.2737	+0.0908	+0.1263	-0.0203	+0.1673	+0.0104	+0.1818	+0.0211
a' b'	-0.6020	+0.7985	-0.6001	+0.7999	-0.5997	+0.8002	-0.5953	+0.8035
FK3番号	574		578		577		579	

本初子午線正中時

星名	φ Boot		† r CorB		α Serp		β Serp	
等級 スペクトル型	5.41	G5	3.93	A0	2.75	K0	3.74	A2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 35	° ′ +40 30	h m 15 40	° ′ +26 27	h m 15 41	° ′ +6 34	h m 15 43	° ′ +15 34
	s	″	s	″	s	″	s	″
1 1.4	55.804 318	66.49 297	31.789 292	24.11 274	40.532 286	72.08 218	45.461 284	53.26 248
11.4	56.122 348	63.52 258	32.081 315	21.37 247	40.818 305	69.90 207	45.745 306	50.78 228
21.3	56.470 367	60.94 210	32.396 330	18.90 208	41.123 316	67.83 186	46.051 318	48.50 199
31.3	56.837 374	58.84 157	32.726 336	16.82 165	41.439 320	65.97 160	46.369 322	46.51 165
2 10.3	57.211 372	57.27 97	33.062 332	15.17 116	41.759 314	64.37 129	46.691 318	44.86 125
20.2	57.583 360	56.30 37	33.394 321	14.01 63	42.073 303	63.08 94	47.009 308	43.61 82
3 1.2	57.943 339	55.93 $\overline{24}$	33.715 303	13.38 11	42.376 287	62.14 58	47.317 291	42.79 $\overline{38}$
11.2	58.282 312	56.17 82	34.018 281	13.27 $\overline{34}$	42.663 267	61.56 21	47.608 272	42.41 $\overline{6}$
21.2	58.594 279	56.99 133	34.299 255	13.66 86	42.930 245	61.35 73	47.880 248	42.47 46
31.1	58.873 242	58.32 178	34.554 225	14.52 128	43.175 220	61.48 44	48.128 222	42.93 83
4 10.1	59.115 204	60.10 215	34.779 195	15.80 161	43.395 194	61.92 72	48.350 194	43.76 114
20.1	59.319 161	62.25 242	34.974 161	17.41 189	43.589 165	62.64 93	48.544 165	44.90 139
30.1	59.480 120	64.67 259	35.135 127	19.30 206	43.754 138	63.57 109	48.709 135	46.29 156
5 10.0	59.600 76	67.26 267	35.262 93	21.36 216	43.892 108	64.66 120	48.844 104	47.85 167
19.9	59.676 $\overline{34}$	69.93 265	35.355 58	23.52 219	44.000 78	65.86 126	48.948 72	49.52 171
29.9	59.710 $\overline{8}$	72.58 254	35.413 23	25.71 213	44.078 47	67.12 126	49.020 40	51.23 169
6 8.9	59.702 49	75.12 236	35.436 $\overline{11}$	27.84 200	44.125 15	68.38 122	49.060 $\overline{8}$	52.92 162
18.9	59.653 87	77.48 212	35.425 45	29.84 183	44.140 15	69.60 114	49.068 $\overline{25}$	54.54 149
28.9	59.566 123	79.60 181	35.380 78	31.67 160	44.125 45	70.74 104	49.043 55	56.03 133
7 8.9	59.443 156	81.41 145	35.302 106	33.27 133	44.080 74	71.78 90	48.988 84	57.36 113
18.8	59.287 183	82.86 107	35.196 133	34.60 102	44.006 99	72.68 75	48.904 109	58.49 91
28.8	59.104 205	83.93 65	35.063 155	35.62 70	43.907 122	73.43 57	48.795 132	59.40 66
8 7.8	58.899 222	84.58 $\overline{22}$	34.908 170	36.32 $\overline{39}$	43.785 137	74.00 38	48.663 148	60.06 39
17.8	58.677 230	84.80 $\overline{23}$	34.738 181	36.67 $\overline{1}$	43.648 148	74.38 19	48.515 159	60.45 12
27.7	58.447 231	84.57 68	34.557 182	36.66 38	43.500 151	74.57 $\overline{2}$	48.356 162	60.57 $\overline{16}$
9 6.7	58.216 221	83.89 113	34.375 177	36.28 75	43.349 146	74.55 24	48.194 156	60.41 47
16.7	57.995 204	82.76 155	34.198 162	35.53 111	43.203 133	74.31 48	48.038 144	59.94 76
26.6	57.791 175	81.21 197	34.036 137	34.42 148	43.070 109	73.83 71	47.894 120	59.18 106
10 6.6	57.616 138	79.24 236	33.899 105	32.94 182	42.961 79	73.12 95	47.774 90	58.12 135
16.6	57.478 92	76.88 271	33.794 64	31.12 215	42.882 $\overline{41}$	72.17 120	47.684 51	56.77 164
26.6	57.386 40	74.17 301	33.730 18	28.97 243	42.841 $\overline{4}$	70.97 145	47.633 7	55.13 191
11 5.5	57.346 $\overline{19}$	71.16 325	33.712 $\overline{33}$	26.54 269	42.845 52	69.62 167	47.626 $\overline{42}$	53.22 216
15.5	57.365 79	67.91 341	33.745 87	23.85 288	42.897 102	67.85 187	47.668 93	51.06 235
25.5	57.444 139	64.50 350	33.832 140	20.97 301	42.999 151	65.98 205	47.761 143	48.71 251
12 5.5	57.583 197	61.00 349	33.972 190	17.96 305	43.150 197	63.93 216	47.904 190	46.20 260
15.4	57.780 251	57.51 337	34.162 236	14.91 300	43.347 238	61.77 223	48.094 233	43.60 262
25.4	58.031 295	54.14 315	34.398 273	11.91 287	43.585 271	59.54 222	48.327 267	40.98 254
35.4	58.326	50.99	34.671	9.04	43.856	57.32	48.594	38.44
中位	s 57.436	″ 78.26	s 33.424	″ 33.14	s 42.247	″ 76.59	s 47.138	″ 59.92
Sec δ and	+1.316	+0.855	+1.117	+0.498	+1.007	+0.116	+1.038	+0.279
2回正中	5月16日		5月17日		5月17日		5月18日	
a b	+0.1072	−0.0335	+0.1261	−0.0190	+0.1470	−0.0044	+0.1379	−0.0104
a′ b′	−0.5879	+0.8089	−0.5716	+0.8205	−0.5675	+0.8234	−0.5600	+0.8285
FK3番号	580		581		582		583	

本初子午線正中時

星名	12 H. Drac		ζ Umin		κ Serp		μ Serp	
等級 スペクトル型	5.13	A2	4.34	A2	4.28	K5	3.63	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 45	° ′ +62 45	h m 15 45	° ′ +77 56	h m 15 46	° ′ +18 17	h m 15 46	° ′ −3 16
	s	″	s	″	s	″	s	″
1 1.4	49.95	20.66	48.77 77	63.79 296	22.146 282	56.18 256	52.378 288	23.25 182
11.4	50.37 42	17.55 311	49.54 90	60.83 246	22.428 305	53.62 234	52.666 307	25.07 178
21.3	50.85 48	14.90 265	50.44 101	58.37 190	22.733 319	51.28 204	52.973 317	26.85 168
31.3	51.37 52	12.81 209	51.45 107	56.47 126	23.052 323	49.24 166	53.290 321	28.53 151
2 10.3	51.91 55	11.34 80	52.52 111	55.21 59	23.375 321	47.58 125	53.611 317	30.04 131
20.2	52.46 54	10.54 11	53.63 109	54.62 $\overline{10}$	23.696 310	46.33 79	53.928 306	31.35 106
3 1.2	53.00 52	10.43 53	54.72 104	54.72 75	24.006 295	45.54 32	54.234 290	32.41 79
11.2	53.52 47	10.98 119	55.76 95	55.47 137	24.301 274	45.22 $\overline{13}$	54.524 272	33.20 52
21.2	53.99 43	12.17 175	56.71 84	56.84 192	24.575 251	45.35 56	54.796 251	33.72 24
31.1	54.42 36	13.92 224	57.55 70	58.76 238	24.826 225	45.91 93	55.047 227	33.96 $\overline{0}$
4 10.1	54.78 29	16.16 262	58.25 54	61.14 273	25.051 197	46.84 126	55.274 202	33.96 23
20.1	55.07 21	18.78 290	58.79 36	63.87 298	25.248 166	48.10 152	55.476 175	33.73 47
30.1	55.28 14	21.68 307	59.15 18	66.85 311	25.414 137	49.62 169	55.651 149	33.32 56
5 10.0	55.42 6	24.75 313	59.33 0	69.96 314	25.551 104	51.31 181	55.800 119	32.76 66
19.9	55.48 $\overline{2}$	27.88 307	59.33 18	73.10 306	25.655 72	53.12 185	55.919 89	32.10 73
29.9	55.46 9	30.95 293	59.15 35	76.16 287	25.727 39	54.97 182	56.008 59	31.37 76
6 8.9	55.37 16	33.88 269	58.80 51	79.03 262	25.766 6	56.79 173	56.067 27	30.61 76
18.9	55.21 23	36.57 239	58.29 66	81.65 229	25.772 $\overline{26}$	58.52 160	56.094 5	29.85 73
28.9	54.98 28	38.96 201	57.63 78	83.92 187	25.744 58	60.12 142	56.089 $\overline{36}$	29.12 69
7 8.9	54.70 34	40.97 158	56.85 88	85.79 142	25.688 87	61.54 121	56.053 65	28.43 62
18.8	54.36 38	42.55 112	55.97 97	87.21 95	25.601 113	62.75 96	55.988 92	27.81 55
28.8	53.98 42	43.67 62	55.00 104	88.16 43	25.488 136	63.71 69	55.896 115	27.26 46
8 7.8	53.56 44	44.29 11	53.96 107	88.59 $\overline{8}$	25.352 153	64.40 41	55.781 132	26.80 36
17.8	53.12 45	44.40 47	52.89 109	88.51 61	25.199 164	64.81 11	55.649 145	26.44 25
27.7	52.67 44	43.99 92	51.80 107	87.90 112	25.035 167	64.92 $\overline{20}$	55.504 148	26.19 13
9 6.7	52.23 44	43.07 144	50.73 104	86.78 162	24.868 163	64.72 52	55.356 144	26.06 1
16.7	51.79 40	41.63 191	49.69 98	85.16 209	24.705 149	64.20 83	55.212 131	26.05 $\overline{14}$
26.6	51.39 37	39.72 238	48.71 89	83.07 253	24.556 126	63.37 115	55.081 104	26.19 31
10 6.6	51.02 30	37.34 279	47.82 77	80.54 292	24.430 96	62.22 146	54.972 77	26.50 48
16.6	50.72 25	34.55 316	47.05 64	77.62 326	24.334 58	60.76 176	54.895 40	26.98 68
26.6	50.47 16	31.39 347	46.41 47	74.36 353	24.276 12	59.00 204	54.855 6	27.66 88
11 5.5	50.31 7	27.92 369	45.94 30	70.83 373	24.264 $\overline{36}$	56.96 228	54.861 53	28.54 109
15.5	50.24 7	24.23 384	45.64 11	67.10 383	24.300 88	54.68 249	54.914 104	29.63 129
25.5	50.25 11	20.39 388	45.53 9	63.27 384	24.388 138	52.19 264	55.018 153	30.92 147
12 5.5	50.36 21	16.51 382	45.62 29	59.43 374	24.526 187	49.55 271	55.171 199	32.39 163
15.4	50.57 29	12.69 363	45.91 49	55.69 353	24.713 229	46.84 272	55.370 240	34.02 174
25.4	50.86 38	9.06 335	46.40 66	52.16 320	24.942 266	44.12 264	55.610 273	35.76 180
35.4	51.24	5.71	47.06	48.96	25.208	41.48	55.883	37.56
中位	s 51.994	″ 35.22	s 52.117	″ 79.24	s 23.824	″ 63.48	s 54.192	″ 20.98
Sec δ and	+2.185	+1.943	+4.792	+4.687	+1.053	+0.331	+1.002	−0.057
2回正中	5月18日		5月18日		5月19日		5月19日	
a b	+0.0454	−0.0715	−0.1071	−0.1726	+0.1349	−0.0121	+0.1565	+0.0021
a′ b′	−0.5524	+0.8336	−0.5524	+0.8336	−0.5505	+0.8348	−0.5487	+0.8361
FK3番号	587		590		584		585	

本初子午線正中時

星名	χ Lupi		ε Serp		β Tri A		γ Serp	
等級 スペクトル型	4.11	B9	3.75	A2	3.04	F0	3.86	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 47	° ′ -33 28	h m 15 48	° ′ +4 37	h m 15 50	° ′ -63 16	h m 15 54	° ′ +15 49
	s	″	s	″	s	″	s	″
1 1.4	36.522	8.70	11.512	54.38	28.39	10.56	1.205	41.26
11.4	36.864 342	9.20 50	11.794 282	52.26 212	28.95 56	9.76 80	1.482 277	38.74 252
21.3	37.229 365	9.93 73	12.097 303	50.26 200	29.56 61	9.39 37	1.783 301	36.41 233
31.3	37.605 376	10.86 93	12.411 314	48.43 183	30.19 63	9.44 5	2.097 314	34.35 206
	381	108	318	158	64	48	321	170
2 10.3	37.986	11.94	12.729	46.85	30.83	9.92	2.418	32.65
20.3	38.361 375	13.14 120	13.044 315	45.55 130	31.48 65	10.79 87	2.736 318	31.33 132
	363	128	304	97	62	123	310	87
3 1.2	38.724	14.42	13.348	44.58	32.10	12.02	3.046	30.46
11.2	39.071 347	15.74 132	13.637 289	43.96 62	32.71 61	13.59 157	3.342 296	30.02 44
21.2	39.396 325	17.08 134	13.908 271	43.69 27	33.27 56	15.45 186	3.619 277	30.03 1
31.1	39.697 301	18.42 134	14.157 249	43.75 6	33.80 53	17.55 210	3.874 255	30.45 42
	275	131	225	36	47	231	230	80
4 10.1	39.972	19.73	14.382	44.11	34.27	19.86	4.104	31.25
20.1	40.218 246	21.01 128	14.581 199	44.74 63	34.69 42	22.32 246	4.307 203	32.36 111
30.1	40.433 215	22.24 123	14.754 173	45.58 84	35.05 36	24.89 257	4.482 175	33.73 137
	183	118	145	100	30	263	145	155
5 10.0	40.616	23.42	14.899	46.58	35.35	27.52	4.627	35.28
20.0	40.764 148	24.54 112	15.014 115	47.69 111	35.58 23	30.17 265	4.741 114	36.96 168
29.9	40.876 112	25.58 104	15.099 85	48.86 117	35.73 15	32.77 260	4.823 82	38.68 172
	73	96	54	118	8	251	50	170
6 8.9	40.949	26.54	15.153	50.04	35.81	35.28	4.873	40.38
18.9	40.985 36	27.40 86	15.176 23	51.20 116	35.81 0	37.64 236	4.889 16	42.02 164
28.9	40.980 5	28.14 74	15.167 9	52.28 108	35.74 7	39.78 214	4.872 17	43.54 152
	42	60	40	99	14	188	48	135
7 8.9	40.938	28.74	15.127	53.27	35.60	41.66	4.824	44.89
18.8	40.859 79	29.19 45	15.058 69	54.14 87	35.39 21	43.23 157	4.745 79	46.05 116
28.8	40.747 112	29.48 29	14.963 95	54.87 73	35.12 27	44.44 121	4.639 106	46.98 93
	140	10	118	57	32	81	130	68
8 7.8	40.607	29.58	14.845	55.44	34.80	45.25	4.509	47.66
17.8	40.445 162	29.49 9	14.709 136	55.84 40	34.44 36	45.63 38	4.362 147	48.08 42
27.7	40.269 176	29.21 28	14.562 147	56.06 22	34.07 37	45.57 6	4.202 160	48.22 14
	180	45	151	2	38	50	165	16
9 6.7	40.089	28.76	14.411	56.08	33.69	45.07	4.037	48.06
16.7	39.915 174	28.13 63	14.263 148	55.91 17	33.32 37	44.13 94	3.876 161	47.62 44
26.7	39.758 157	27.38 75	14.129 134	55.52 39	32.98 34	42.80 133	3.727 149	46.87 75
	128	86	113	62	28	168	127	106
10 6.6	39.630	26.52	14.016	54.90	32.70	41.12	3.600	45.81
16.6	39.539 91	25.61 91	13.933 83	54.05 85	32.49 21	39.16 196	3.501 99	44.46 135
26.6	39.495 44	24.70 91	13.889 44	52.97 108	32.36 13	37.00 216	3.441 60	42.81 165
	10	86	1	131	3	228	17	191
11 5.5	39.506	23.84	13.888	51.66	32.33	34.72	3.424	40.90
15.5	39.574 69	23.10 74	13.935 47	50.11 155	32.40 7	32.44 228	3.456 32	38.73 217
25.5	39.702 128	22.51 59	14.032 97	48.37 174	32.57 17	30.23 221	3.539 83	36.36 237
	187	38	146	192	28	202	132	254
12 5.5	39.889	22.13	14.178	46.45	32.85	28.21	3.671	33.82
15.4	40.129 240	21.98 15	14.370 192	44.40 205	33.22 37	26.43 178	3.852 181	31.20 262
25.4	40.417 288	22.08 10	14.603 233	42.28 212	33.68 46	24.99 144	4.076 224	28.55 265
35.4	40.742 325	22.42 34	14.870 267	40.15 213	34.21 53	23.92 107	4.336 260	25.96 259
中位	s 38.825	″ 13.40	s 13.267	″ 58.58	s 32.386	″ 20.23	s 2.925	″ 48.11
Sec&Tand	+1.199	-0.661	+1.003	+0.081	+2.223	-1.986	+1.039	+0.284
2回正中	5月 19日		5月 19日		5月 20日		5月 20日	
a b	+0.1403	+0.0241	+0.1488	-0.0029	+0.2652	+0.0709	+0.1372	-0.0099
a' b'	-0.5459	+0.8378	-0.5438	+0.8392	-0.5353	+0.8447	-0.5223	+0.8528
FK3番号	586		588		589		591	

本初子午線正中時

星名	ε Cor B		π Scor		Grb2296 Drac		δ Scor	
等級 スペクトル型	4.22	K0	3.00	B2	4.96	A5	2.54	B0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 15 55	° ′ +27 1	h m 15 55	° ′ -25 57	h m 15 56	° ′ +54 53	h m 15 57	° ′ -22 28
	s	″	s	″	s	″	s	″
1 1.4	24.298	29.04	39.874	54.77	31.208	31.99	13.122	29.33
11.4	24.529 281	26.23 281	40.190 316	55.56 79	31.554 346	28.80 319	13.430 308	30.27 94
21.3	24.836 307	23.71 252	40.528 338	56.50 94	31.947 393	26.04 276	13.759 329	31.34 107
31.3	25.161 325	21.54 217	40.879 351	57.57 107	32.375 428	23.79 225	14.101 342	32.49 115
	332	172	355	114	449	166	346	119
2 10.3	25.493	19.82	41.234	58.71	32.824	22.13	14.447	33.68
20.3	25.825 332	18.58 124	41.586 352	59.89 118	33.279 455	21.12 101	14.791 344	34.88 120
	325	71	342	118	449	34	333	115
3 1.2	26.150	17.87	41.928	61.07	33.728	20.78	15.124	36.03
11.2	26.459 309	17.69 18	42.256 328	62.22 115	34.158 430	21.09 31	15.444 320	37.12 109
21.2	26.749 290	18.02 33	42.564 308	63.31 109	34.559 401	22.05 96	15.746 302	38.12 100
31.1	27.014 265	18.84 82	42.851 287	64.34 103	34.920 361	23.57 152	16.027 281	39.01 89
	238	125	264	95	316	203	257	80
4 10.1	27.252	20.09	43.115	65.29	35.236	25.60	16.284	39.81
20.1	27.460 208	21.70 161	43.352 237	66.16 87	35.500 264	28.04 244	16.517 233	40.50 69
30.1	27.636 176	23.60 190	43.561 209	66.95 79	35.707 207	30.79 275	16.722 205	41.10 60
	143	210	180	72	149	295	177	51
5 10.0	27.779	25.70	43.741	67.67	35.856	33.74	16.899	41.61
20.0	27.886 107	27.91 221	43.889 148	68.32 65	35.945 89	36.78 304	17.045 146	42.05 44
29.9	27.958 72	30.16 225	44.004 115	68.90 58	35.973 28	39.81 303	17.158 113	42.42 37
	36	221	79	52	30	293	80	31
6 8.9	27.994	32.37	44.083	69.42	35.943	42.74	17.238	42.73
18.9	27.995 1	34.47 210	44.127 44	69.87 45	35.855 88	45.97 273	17.282 44	42.98 25
28.9	27.960 35	36.40 193	44.133 6	70.24 37	35.713 142	47.94 247	17.290 8	43.18 20
	69	171	29	28	191	212	26	13
7 8.9	27.891	38.11	44.104	70.52	35.522	50.06	17.264	43.31
18.8	27.790 101	39.56 145	44.039 65	70.71 19	35.285 237	51.80 174	17.203 61	43.37 6
28.8	27.661 129	40.70 114	43.943 96	70.80 9	35.010 275	53.10 130	17.111 92	43.35 2
	153	81	124	2	306	83	119	9
8 7.8	27.508	41.51	43.819	70.78	34.704	53.93	16.992	43.26
17.8	27.336 172	41.97 46	43.674 145	70.65 13	34.374 330	54.27 34	16.852 140	43.09 17
27.7	27.151 185	42.08 11	43.514 160	70.40 25	34.031 343	54.11 76	16.697 155	42.84 25
	189	28	166	36	346	66	161	33
9 6.7	26.962	41.80	43.348	70.04	33.685	53.45	16.536	42.51
16.7	26.777 185	41.15 65	43.186 162	69.59 45	33.347 338	52.29 116	16.378 158	42.13 38
26.7	26.605 172	40.12 103	43.038 148	69.07 52	33.029 318	50.64 165	16.234 144	41.72 41
	150	140	123	55	286	212	121	43
10 6.6	26.455	38.72	42.915	68.52	32.743	48.52	16.113	41.29
16.6	26.335 120	36.97 175	42.825 90	67.96 56	32.499 244	45.98 254	16.025 88	40.89 40
26.6	26.255 80	34.88 209	42.779 46	67.44 52	32.310 189	43.05 293	15.978 47	40.55 34
	34	239	3	43	127	326	2	23
11 5.5	26.221	32.99	42.782	67.01	32.193	39.79	15.980	40.32
15.5	26.237 16	29.83 266	42.839 57	66.71 30	32.128 55	36.27 352	16.034 54	40.22 10
25.5	26.306 69	26.97 286	42.951 112	66.56 15	32.148 20	32.57 370	16.142 108	40.30 8
	123	300	168	5	97	378	162	26
12 5.5	26.429	23.99	43.119	66.61	32.245	28.79	16.304	40.56
15.4	26.603 174	20.90 307	43.337 218	66.87 26	32.419 174	25.02 377	16.515 211	41.01 45
25.4	26.824 221	17.86 304	43.601 264	67.33 46	32.665 246	21.39 363	16.771 256	41.67 66
35.4	27.085 261	14.95 291	43.901 300	67.94 66	32.976 311	18.00 339	17.062 291	42.50 83
中位	s 25.953	″ 38.20	s 42.040	″ 57.34	s 33.131	″ 45.49	s 15.229	″ 31.05
Sec&Tand	+1.123	+0.510	+1.112	-0.487	+1.739	+1.423	+1.082	-0.414
2回正中	5月 21日		5月 21日		5月 21日		5月 21日	
a b	+0.1242	-0.0176	+0.1811	+0.0168	+0.0719	-0.0487	+0.1771	+0.0141
a' b'	-0.5172	+0.8559	-0.5162	+0.8565	-0.5130	+0.8584	-0.5103	+0.8600
FK3番号	593		592		595		594	

本初子午線正中時

星名	ϑ Drac		β Scor pr		δ Norm		ϑ Lupi	
等級 スペクトル型	4.11	F8	2.90	B1	4.84	A3p	4.33	B3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 0	° ′ +58 41	h m 16 2	° ′ −19 39	h m 16 2	° ′ −45 1	h m 16 3	° ′ −36 39
	s	″	s	″	s	″	s	″
1 1.4	52.540 361	59.10 322	22.455 299	52.03 104	45.650 319	56.18 16	7.753 343	40.71 23
11.4	52.901 416	55.88 279	22.754 320	53.07 114	46.029 409	56.02 13	8.096 368	40.94 46
21.3	53.317 455	53.09 226	23.074 335	54.21 120	46.438 427	56.15 42	8.464 384	41.40 68
31.3	53.772 482	50.83 167	23.409 339	55.41 121	46.865 436	56.57 68	8.848 391	42.08 86
2 10.3	54.254 492	49.16 101	23.748 338	56.62 117	47.301 435	57.25 92	9.239 390	42.94 101
20.3	54.746 487	48.15 34	24.086 329	57.79 111	47.736 425	58.17 112	9.629 380	43.95 113
3 1.2	55.233 469	47.81 33	24.415 315	58.90 101	48.161 409	59.29 128	10.009	45.08
11.2	55.702 438	48.14 98	24.730 294	59.91 90	48.570 389	60.57 143	10.375 366	46.29 121
21.2	56.140 396	49.12 156	25.024 279	60.81 77	48.959 363	62.00 153	10.722 347	47.56 127
31.2	56.536 345	50.68 207	25.308 257	61.58 65	49.322 334	63.53 162	11.046 324	48.86 130
							299	132
4 10.1	56.881 288	52.75 249	25.565 232	62.23 53	49.656 302	65.15 167	11.345 271	50.18 131
20.1	57.169 225	55.24 281	25.797 206	62.76 42	49.958 266	66.82 171	11.616 240	51.49 130
30.1	57.394 159	58.05 301	26.003 179	63.18 33	50.224 228	68.53 171	11.856 207	52.79 128
5 10.0	57.553 91	61.06 311	26.182 148	63.51 26	50.452 187	70.24 170	12.063 171	54.07 124
20.0	57.644 24	64.17 310	26.330 117	63.77 18	50.639 144	71.94 166	12.234 133	55.31 119
29.9	57.668 92	67.27 299	26.447 83	63.95 14	50.783 99	73.60 159	12.367 93	56.50 113
6 8.9	57.626 107	70.26 281	26.530 48	64.09 9	50.880 49	75.19 148	12.460 52	57.63 104
18.9	57.519 187	73.07 253	26.579 13	64.18 5	50.929 1	76.67 135	12.512 10	58.67 92
28.9	57.352 223	75.60 218	26.591 22	64.23 1	50.930 46	78.02 117	12.522 33	59.59 80
7 8.9	57.129 273	77.78 179	26.569 56	64.24 4	50.884 42	79.19 97	12.489 72	60.39 64
18.8	56.856 315	79.57 135	26.513 87	64.20 9	50.792 133	80.16 74	12.417 110	61.03 46
28.8	56.541 351	80.92 87	26.426 115	64.11 14	50.659 169	80.90 47	12.307 141	61.49 27
8 7.8	56.190 376	81.79 39	26.311 136	63.97 19	50.490 197	81.37 20	12.166 167	61.76 6
17.8	55.814 391	82.16 13	26.175 152	63.78 24	50.293 215	81.57 10	11.999 184	61.82 13
27.7	55.423 395	82.03 65	26.023 158	63.54 28	50.078 224	81.47 39	11.815 191	61.67 37
9 6.7	55.028 387	81.38 116	25.865 156	63.26 32	49.854 214	81.08 67	11.624 188	61.30 56
16.7	54.641 366	80.22 165	25.709 144	62.94 32	49.635 202	80.41 92	11.436 174	60.74 94
26.7	54.275 333	78.57 212	25.565 122	62.62 31	49.433 171	79.49 114	11.262 147	60.00 89
10 6.6	53.942 286	76.45 256	25.443 90	62.31 27	49.262 129	78.35 130	11.115 109	59.11 98
16.6	53.656 228	73.89 295	25.353 51	62.04 18	49.133 76	77.05 141	11.006 63	58.13 102
26.6	53.428 160	70.94 329	25.302 3	61.86 8	49.057 15	75.64 144	10.943 8	57.11 101
11 5.5	53.268 84	67.65 355	25.299 47	61.78 7	49.042 53	74.20 141	10.935 52	56.10 95
15.5	53.184 1	64.10 373	25.346 101	61.85 23	49.095 122	72.79 130	10.987 113	55.15 81
25.5	53.183 83	60.37 382	25.447 154	62.08 42	49.217 190	71.44 114	11.100 175	54.34 64
12 5.5	53.266 168	56.55 380	25.601 202	62.50 61	49.407 254	70.35 91	11.275 231	53.70 42
15.4	53.434 247	52.75 367	25.803 247	63.11 78	49.661 312	69.44 65	11.506 282	53.28 19
25.4	53.681 321	49.08 342	26.050 282	63.80 94	49.973 368	68.79 37	11.788 324	53.09 6
35.4	54.002	45.66	26.332	63.83	50.331	68.42	12.112	53.15
平位 Sec.&Tan 2回正中	s 54.584 +1.925	″ 72.87 +1.645	s 24.533 +1.062	″ 52.85 −0.357	s 48.407 +1.415	″ 62.01 −1.001	s 10.212 +1.247	″ 44.98 −0.744
	5月22日		5月23日		5月23日		5月23日	
a b	+0.0582	−0.0545	+0.1941	+0.0117	+0.2115	+0.0327	+0.1967	+0.0242
a′ b′	−0.4966	+0.8680	−0.4909	+0.8712	−0.4894	+0.8721	−0.4880	+0.8729
FK3番号	598		597		596		599	

本初子午線正中時

星名	φ Herc		κ Norm		δ Tri A		δ Ophi	
等級 スペクトル型	4.26	B9p	5.09	K0	4.03	G0	3.03	M0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 7	° ′ +45 3	h m 16 9	° ′ −54 29	h m 16 10	° ′ −63 33	h m 16 11	° ′ −3 33
	s	″	s	″	s	″	s	″
1 1.4	5.880 297	61.06 317	18.505 437	46.09 66	37.00 55	10.90 106	35.132 271	46.01 174
11.4	6.177 337	57.89 281	19.002 475	45.43 31	37.55 59	9.84 66	35.403 295	47.75 190
21.3	6.514 364	55.08 235	19.477 501	45.12 4	38.14 62	9.18 25	35.698 309	49.45 160
31.3	6.878 382	52.73 181	19.978 514	45.16 34	38.76 65	8.93 15	36.007 316	51.05 146
2 10.3	7.260 387	50.92 121	20.492 516	45.55 70	39.41 65	9.08 55	36.323 316	52.51 125
20.3	7.647 383	49.71 58	21.008 507	46.25 100	40.06 65	9.63 93	36.639 309	53.76 101
3 1.2	8.030 370	49.13 5	21.515 492	47.25 126	40.71 62	10.56 126	36.948 299	54.77 74
11.2	8.400 347	49.18 68	22.007 468	48.51 149	41.33 60	11.82 157	37.247 283	55.51 47
21.2	8.747 319	49.86 123	22.475 439	50.00 168	41.93 56	13.39 184	37.530 266	55.98 20
31.2	9.066 284	51.09 174	22.914 404	51.68 185	42.49 51	15.23 207	37.796 245	56.18 5
4 10.1	9.350 245	52.83 216	23.318 367	53.53 198	43.00 47	17.30 226	38.041 222	56.13 27
20.1	9.595 202	54.99 249	23.685 322	55.51 207	43.47 40	19.56 240	38.263 197	55.86 46
30.1	9.797 157	57.48 272	24.007 276	57.58 213	43.87 34	21.96 251	38.460 172	55.40 61
5 10.0	9.954 111	60.20 284	24.283 226	59.71 215	44.21 28	24.47 255	38.632 143	54.79 71
20.0	10.065 62	63.04 288	24.509 170	61.86 214	44.49 20	27.02 256	38.775 112	54.08 78
29.9	10.127 14	65.92 280	24.679 113	64.00 207	44.69 12	29.58 250	38.887 81	53.30 80
6 8.9	10.143 32	68.72 266	24.792 53	66.07 197	44.81 5	32.08 239	38.968 48	52.50 81
18.9	10.111 78	71.38 244	24.845 6	68.04 182	44.86 3	34.47 223	39.016 15	51.69 79
28.9	10.033 120	73.82 214	24.839 65	69.86 162	44.83 11	36.70 200	39.031 79	50.92 71
7 8.9	9.913 160	75.96 180	24.774 121	71.48 138	44.72 18	38.70 172	39.012 51	50.21 65
18.9	9.753 195	77.76 141	24.653 171	72.86 109	44.54 25	40.42 138	38.961 81	49.56 57
28.8	9.558 225	79.17 98	24.482 217	73.95 77	44.29 31	41.80 101	38.880 108	48.99 48
8 7.8	9.333 247	80.15 54	24.265 250	74.72 43	43.98 34	42.81 61	38.772 129	48.51 37
17.8	9.086 263	80.69 8	24.015 275	75.15 5	43.64 38	43.42 16	38.643 145	48.14 27
27.7	8.823 268	80.77 41	23.740 284	75.20 32	43.26 39	43.58 28	38.498 153	47.87 14
9 6.7	8.555 265	80.36 87	23.456 280	74.88 69	42.87 38	43.30 72	38.345 152	47.73 2
16.7	8.290 251	79.49 134	23.176 260	74.19 103	42.49 36	42.58 114	38.193 143	47.71 12
26.7	8.039 227	78.15 180	22.916 225	73.16 133	42.13 31	41.44 151	38.050 124	47.83 27
10 6.6	7.812 192	76.35 222	22.691 175	71.83 158	41.82 24	39.93 183	37.926 95	48.10 45
16.6	7.620 149	74.13 261	22.516 112	70.25 176	41.58 17	38.10 207	37.831 60	48.55 62
26.6	7.473 95	71.52 295	22.404 39	68.49 187	41.41 7	36.03 223	37.771 17	49.17 82
11 5.6	7.378 36	68.57 324	22.365 40	66.62 188	41.34 3	33.80 229	37.754 30	49.99 101
15.5	7.342 28	65.33 345	22.405 124	64.74 183	41.37 13	31.51 227	37.784 80	51.00 121
25.5	7.370 92	61.88 358	22.529 205	62.91 168	41.50 24	29.24 214	37.864 130	52.21 138
12 5.5	7.462 156	58.30 360	22.734 283	61.23 147	41.74 34	27.10 193	37.994 176	53.59 153
15.4	7.618 216	54.70 352	23.017 352	59.76 120	42.08 43	25.17 165	38.170 219	55.12 165
25.4	7.834 269	51.18 334	23.369 410	58.56 89	42.51 50	23.52 131	38.389 255	56.77 171
35.4	8.103	47.84	23.779	57.67	43.01	22.21	38.644	58.48
平位 Sec.&Tan 2回正中	s 7.726 +1.416	″ 73.10 +1.002	s 21.872 +1.722	″ 52.86 −1.402	s 41.194 +2.246	″ 18.73 −2.011	s 37.040 +1.002	″ 42.94 −0.062
	5月24日		5月24日		5月25日		5月25日	
a b	+0.0945	−0.0316	+0.2361	+0.0434	+0.2724	+0.0615	+0.1570	+0.0019
a′ b′	−0.4728	+0.8812	−0.4442	+0.8857	−0.4591	+0.8884	−0.4555	+0.8903
FK3番号	601		600		602		603	

本初子午線正中時

星名	19 Umin		ε Ophi		γ² Norm		σ Scor	
等級 スペクトル型	5.51	B8	3.34	K0	4.14	K0	3.08	B1
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 12	° ′ +76 0	h m 16 15	° ′ −4 34	h m 16 15	° ′ −50 1	h m 16 17	° ′ −25 28
	s	″	s	″	s	″	s	″
1 14	13.12 59	19.05 320	32.068 270	4.99 167	53.267 396	42.39 53	59.129 299	9.89 65
11.4	13.71 92	15.85 275	32.338 293	6.66 165	53.663 433	41.86 21	59.428 325	10.54 80
21.4	14.43 82	13.10 223	32.631 309	8.31 156	54.096 456	41.65 11	59.753 341	11.34 90
31.3	15.25 90	10.87 162	32.940 316	9.87 142	54.552 470	41.76 40	60.094 350	12.24 97
2 10.3	16.15 95	9.25 97	33.256 316	11.29 122	55.022 472	42.16 68	60.444 350	13.21 101
20.3	17.10 95	8.28 28	33.572 311	12.51 100	55.494 465	42.84 94	60.794 344	14.22 99
3 1.2	18.05 94	8.00 39	33.883 301	13.51 75	55.959 452	43.78 115	61.138 334	15.21 97
11.2	18.99 87	8.39 103	34.184 286	14.26 47	56.411 432	44.93 135	61.472 319	16.18 92
21.2	19.86 79	9.42 163	34.470 268	14.73 22	56.843 407	46.28 151	61.791 300	17.10 85
31.2	20.65 68	11.05 214	34.738 249	14.95 2	57.250 377	47.79 164	62.091 280	17.95 78
4 10.1	21.33 56	13.19 255	34.987 226	14.93 25	57.627 344	49.43 176	62.371 256	18.73 71
20.1	21.89 41	15.74 287	35.213 201	14.68 42	57.971 305	51.19 183	62.627 230	19.44 65
30.1	22.30 27	18.61 308	35.414 176	14.26 57	58.276 265	53.02 188	62.857 202	20.09 58
5 10.1	22.57 10	21.69 317	35.590 148	13.69 67	58.541 219	54.90 190	63.059 171	20.67 54
20.0	22.67 4	24.86 315	35.738 117	13.02 74	58.760 170	56.80 189	63.230 138	21.21 49
29.9	22.63 20	28.01 305	35.855 86	12.28 76	58.930 119	58.69 184	63.368 103	21.70 45
6 8.9	22.43 35	31.06 284	35.941 52	11.52 79	59.049 66	60.53 175	63.471 65	22.15 40
18.9	22.08 47	33.90 256	35.993 19	10.75 73	59.115 11	62.28 162	63.536 28	22.55 35
28.9	21.61 60	36.46 220	36.012 15	10.02 69	59.126 44	63.90 146	63.564 72	22.90 29
7 8.9	21.01 71	38.66 180	35.997 49	9.33 62	59.082 94	65.36 124	63.552 48	23.19 23
18.9	20.30 79	40.46 134	35.948 78	8.71 55	58.988 143	66.60 99	63.504 83	23.42 14
28.8	19.51 87	41.80 86	35.870 106	8.16 46	58.845 185	67.59 71	63.421 114	23.56 5
8 7.8	18.64 91	42.66 35	35.764 128	7.70 37	58.660 218	68.30 40	63.307 140	23.61 4
17.8	17.73 94	43.01 17	35.636 144	7.33 27	58.442 241	68.70 8	63.167 157	23.57 14
27.7	16.79 96	42.84 69	35.492 153	7.06 16	58.201 253	68.78 27	63.010 168	23.43 25
9 6.7	15.83 93	42.15 120	35.339 153	6.90 5	57.948 251	68.51 59	62.842 168	23.18 33
16.7	14.90 90	40.95 169	35.186 144	6.85 9	57.697 235	67.92 89	62.674 158	22.85 41
26.7	14.00 83	39.26 217	35.042 126	6.94 23	57.462 205	67.03 118	62.516 137	22.44 46
10 6.6	13.17 74	37.09 260	34.916 98	7.17 39	57.257 160	65.85 139	62.379 106	21.98 48
16.6	12.43 63	34.49 299	34.818 62	7.56 57	57.097 105	64.46 155	62.273 66	21.50 45
26.6	11.80 51	31.50 331	34.756 20	8.13 75	56.992 39	62.91 165	62.207 19	21.05 40
11 5.6	11.29 35	28.19 358	34.736 27	8.88 94	56.953 33	61.26 166	62.188 34	20.65 29
15.5	10.94 19	24.61 374	34.763 77	9.82 113	56.986 108	59.60 160	62.222 89	20.36 16
25.5	10.75 2	20.87 382	34.840 127	10.95 131	57.094 183	58.00 146	62.311 144	20.20 0
12 5.5	10.73 16	17.05 380	34.967 175	12.26 145	57.277 254	56.54 127	62.455 195	20.20 18
15.4	10.89 32	13.25 365	35.142 216	13.71 158	57.531 318	55.27 102	62.650 242	20.38 36
25.4	11.21 49	9.60 340	35.358 253	15.29 164	57.849 372	54.25 73	62.892 282	20.74 54
35.4	11.70	6.20	35.611	16.93	58.221	53.52	63.174	21.28
平位	s 16.600	″ 33.48	s 34.000	″ 1.99	s 56.327	″ 47.93	s 61.367	″ 10.99
Sec δ Tan δ	+4.136	+4.013	+1.003	−0.080	+1.557	−1.193	+1.108	−0.476
2回正中	5月 25日		5月 26日		5月 26日		5月 27日	
a b	−0.0852	−0.1212	+0.1581	+0.0023	+0.2248	+0.0349	+0.1820	+0.0137
a′ b′	−0.4529	+0.8916	−0.4401	+0.8980	−0.4386	+0.8987	−0.4304	+0.9026
FK3番号	606		605		604		607	

本初子午線正中時

星名	τ Herc		η Umin		τ Herc		ξ Tri A	
等級 スペクトル型	3.91	B5	5.04	F0	3.79	F0	4.93	G0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 18	° ′ +46 25	h m 16 18	° ′ +75 52	h m 16 19	° ′ +19 16	h m 16 22	° ′ −69 58
	s	″	s	″	s	″	s	″
1 1.4	8.593 288	58.75 324	56.21 56	19.07 323	35.628 257	18.53 261	45.64 65	4.96 146
11.4	8.881 330	55.51 289	56.77 70	15.84 281	35.885 285	15.92 241	46.29 73	5.50 105
21.4	9.211 362	52.62 244	57.47 80	13.03 230	36.170 304	13.51 213	47.02 78	2.45 62
31.3	9.573 382	50.18 190	58.27 88	10.73 170	36.474 315	11.38 177	47.80 81	1.83 19
2 10.3	9.955 392	48.28 130	59.15 93	9.03 105	36.789 318	9.61 135	48.61 83	1.66 26
20.3	10.347 390	46.98 67	60.08 95	7.98 37	37.107 314	8.26 90	49.44 83	1.92 67
3 1.2	10.737 379	46.31 3	61.03 92	7.61 31	37.421 304	7.36 41	50.27 80	2.59 108
11.2	11.116 360	46.28 60	61.95 88	7.92 96	37.725 290	6.95 6	51.07 78	3.47 143
21.2	11.476 332	46.88 118	62.83 79	8.88 155	38.015 271	7.01 50	51.85 73	5.10 176
31.2	11.808 299	48.06 170	63.62 70	10.43 208	38.286 249	7.51 92	52.58 68	6.86 205
4 10.1	12.107 260	49.76 215	64.32 57	12.51 252	38.535 224	8.43 127	53.26 61	8.91 230
20.1	12.367 217	51.91 249	64.89 43	15.03 284	38.759 196	9.70 157	53.87 54	11.21 249
30.1	12.584 172	54.40 274	65.32 28	17.87 306	38.955 168	11.27 178	54.41 46	13.70 264
5 10.1	12.756 124	57.14 288	65.60 14	20.93 318	39.123 136	13.05 192	54.87 37	16.34 274
20.0	12.880 75	60.02 293	65.74 3	24.11 318	39.259 102	14.97 199	55.24 27	19.08 278
29.9	12.955 25	62.95 289	65.71 17	27.29 308	39.361 69	16.96 199	55.51 17	21.86 276
6 8.9	12.980 24	65.84 275	65.54 32	30.37 290	39.430 33	18.95 192	55.68 6	24.62 267
18.9	12.956 72	68.59 254	65.22 45	33.27 262	39.463 3	20.87 181	55.74 4	27.29 251
28.9	12.884 117	71.13 226	64.77 58	35.89 229	39.460 37	22.68 163	55.70 14	29.80 231
7 8.9	12.767 160	73.39 192	64.19 68	38.18 189	39.423 91	24.31 143	55.56 23	32.11 202
18.9	12.607 197	75.31 154	63.51 78	40.07 144	39.332 101	25.74 118	55.33 33	34.13 168
28.8	12.410 230	76.85 111	62.73 85	41.51 97	39.251 130	26.92 91	55.00 40	35.81 129
8 7.8	12.180 255	77.96 66	61.88 91	42.48 46	39.121 151	27.83 62	54.60 46	37.10 85
17.8	11.925 272	78.62 20	60.97 93	42.94 5	38.970 167	28.45 31	54.14 51	37.95 39
27.8	11.653 281	78.82 29	60.04 95	42.89 58	38.803 177	28.76 0	53.63 52	38.34 11
9 6.7	11.372 279	78.53 77	59.09 94	42.31 109	38.626 176	28.76 33	53.11 52	38.23 59
16.7	11.093 268	77.76 124	58.15 90	41.22 158	38.450 169	28.43 67	52.59 49	37.64 107
26.7	10.825 244	76.52 170	57.25 84	39.46 207	38.281 150	27.76 99	52.10 44	36.57 150
10 6.6	10.581 211	74.82 215	56.41 74	37.57 251	38.131 124	26.77 132	51.66 36	35.07 188
16.6	10.370 169	72.67 255	55.65 65	35.06 290	38.007 88	25.45 163	51.30 26	33.19 218
26.6	10.203 115	70.12 290	55.00 52	32.16 325	37.919 46	23.82 194	51.04 14	31.01 241
11 5.6	10.088 55	67.22 321	54.48 38	28.91 352	37.873 1	21.88 219	50.90 2	28.60 253
15.5	10.033 8	64.01 344	54.10 21	25.39 370	37.874 52	19.69 242	50.88 12	26.07 255
25.5	10.041 75	60.57 358	53.89 5	21.69 381	37.926 103	17.27 260	51.00 25	23.52 248
12 5.5	10.116 140	56.99 363	53.84 13	17.88 379	38.029 152	14.67 270	51.25 38	21.04 229
15.5	10.256 201	53.36 357	53.97 30	14.09 367	38.181 198	11.97 273	51.63 50	18.75 204
25.4	10.457 258	49.79 339	54.27 46	10.42 342	38.379 237	9.24 268	52.13 61	16.71 171
35.4	10.715	46.40	54.73	7.00	38.616	6.56	52.74	15.00
平位	s 10.518	″ 10.73	s 59.785	″ 33.24	s 37.440	″ 26.31	s 38.980	″ 12.27
Sec δ Tan δ	+1.451	+1.051	+4.098	+3.974	+1.059	+0.350	+2.920	−2.743
2回正中	5月 27日		5月 27日		5月 27日		5月 28日	
a b	+0.0900	−0.0301	−0.0863	−0.1130	+0.1322	−0.0099	+0.3200	+0.0752
a′ b′	−0.4298	+0.9029	−0.4266	+0.9065	−0.4241	+0.9056	−0.4113	+0.9115
FK3番号	608		612		609		610	

本初子午線正中時

星名	ω Herc		十 η Drac		Grb 2343 Drac		γ Apds	
等スペクトル型	4.53	A0p	2.89	G5	5.66	A2	3.90	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 22	° ′ +14 8	h m 16 23	° ′ +61 37	h m 16 23	° ′ +55 18	h m 16 25	° ′ −78 46
	s	″	s	″	s	″	s	″
1 1.4	58.980 255	59.07 243	14.52 34	40.08 336	14.753 310	68.76 335	15.41 106	56.35 180
11.4	59.235 281	56.64 229	14.86 41	36.72 297	15.063 364	65.41 297	16.47 120	54.55 136
21.4	59.516 300	54.37 203	15.27 47	33.75 247	15.427 406	62.44 249	17.67 129	53.19 89
31.3	59.816 311	52.34 172	15.74 50	31.28 190	15.833 435	59.95 193	18.96 137	52.30 41
2 10.3	60.127 313	50.62 135	16.24 52	29.38 125	16.268 451	58.82 130	20.33 140	51.89 $\overline{9}$
20.3	60.440 310	49.27 93	16.76 52	28.13 57	16.719 453	56.72 64	21.73 140	51.98 56
3 1.2	60.750 301	48.34 50	17.28 51	27.56 $\overline{10}$	17.172 442	56.08 $\overline{3}$	23.13 137	52.54 101
11.2	61.051 287	47.84 $\frac{6}{35}$	17.79 49	27.66 76	17.614 421	56.11 69	24.50 133	53.55 143
21.2	61.338 270	47.78	18.28 45	28.42 138	18.035 389	56.80 128	25.83 125	54.98 182
31.2	61.608 249	48.13 74	18.73 40	29.80 193	18.424 348	58.08 184	27.08 115	56.80 216
4 10.1	61.857 225	48.87 106	19.13 34	31.73 238	18.772 300	59.92 229	28.23 104	58.96 246
20.1	62.082 200	49.93 134	19.47 28	34.11 274	19.072 248	62.21 265	29.27 90	61.42 271
30.1	62.282 172	51.27 154	19.75 20	36.85 300	19.320 190	64.86 291	30.17 75	64.13 289
5 10.1	62.454 142	52.81 168	19.95 14	39.85 314	19.510 130	67.77 307	30.92 60	67.02 302
20.0	62.596 110	54.49 176	20.09 $\frac{5}{2}$	42.99 318	19.640 68	70.84 310	31.52 41	70.04 309
29.9	62.706 76	56.25 176	20.14	46.17 311	19.708 8	73.94 306	31.93 24	73.13 308
6 8.9	62.782 43	58.01 172	20.12 9	49.28 296	19.716 $\overline{54}$	77.00 291	32.17 $\frac{5}{14}$	76.21 300
18.9	62.825 $\frac{7}{27}$	59.73 161	20.03 16	52.24 273	19.662 112	79.91 269	32.22 32	79.21 284
28.9	62.832	61.34 147	19.87 23	54.97 240	19.550 167	82.60 239	32.08	82.05 262
7 8.9	62.805 61	62.81 129	19.64 29	57.37 204	19.383 219	84.99 203	31.76 48	84.67 232
18.9	62.744 91	64.10 109	19.35 34	59.41 161	19.164 262	87.02 162	31.28 64	86.99 195
28.8	62.653 120	65.19 85	19.01 38	61.02 115	18.902 302	88.64 116	30.64 77	88.94 153
8 7.8	62.533 141	66.04 59	18.63 42	62.17 65	18.600 330	89.80 70	29.87 87	90.47 105
17.8	62.392 159	66.63 33	18.21 44	62.82 $\frac{15}{37}$	18.270 351	90.50 $\frac{20}{31}$	29.00 94	91.52 $\frac{53}{0}$
27.8	62.233 168	66.96 5	17.77 44	62.97	17.919 361	90.70	28.06 98	92.05
9 6.7	62.065 169	67.01 $\overline{23}$	17.33 45	62.60 89	17.558 359	90.39 82	27.08 96	92.05 56
16.7	61.896 161	66.78 53	16.88 43	61.71 140	17.199 346	89.57 132	26.12 92	91.49 108
26.7	61.735 144	66.25 82	16.45 40	60.31 189	16.853 320	88.25 181	25.20 82	90.41 157
10 6.6	61.591 118	65.43 112	16.05 35	58.42 236	16.533 281	86.44 226	24.38 69	88.84 201
16.6	61.473 83	64.31 141	15.70 30	56.06 277	16.252 232	84.18 268	23.69 53	86.83 237
26.6	61.390 43	62.90 168	15.40 23	53.29 314	16.020 172	81.50 306	23.16 32	84.46 265
11 5.6	61.347 $\overline{5}$	61.22 194	15.17 15	50.15 345	15.848 103	78.44 336	22.84 11	81.81 281
15.5	61.352 53	59.28 216	15.02 $\frac{6}{3}$	46.70 367	15.745 28	75.08 360	22.73 $\overline{12}$	79.00 286
25.5	61.405 105	57.12 233	14.96	43.03 380	15.717 $\overline{49}$	71.48 373	22.85 35	76.14 282
12 5.5	61.510 152	54.79 246	14.99 13	39.23 383	15.766 127	67.75 378	23.20 58	73.32 265
15.5	61.662 197	52.33 250	15.12 21	35.40 374	15.893 202	63.97 369	23.78 78	70.67 239
25.4	61.859 235	49.83 248	15.33 29	31.66 354	16.095 271	60.28 351	24.66 97	68.28 206
35.4	62.094	47.35	15.62	28.12	16.366	56.77	25.53	66.22
平位	s 60.817	″ 65.94	s 16.855	″ 53.38	s 16.877	″ 81.54	s 24.353	″ 64.07
Sec δ Tan δ	+1.031	+0.252	+2.105	+1.852	+1.758	+1.445	+5.141	−5.043
2回正中	5月28日		5月28日		5月28日		5月28日	
a b	+0.1380	−0.0069	+0.0407	−0.0506	+0.0654	−0.0395	+0.4613	+0.1349
a′ b′	−0.4107	+0.9118	−0.4096	+0.9123	−0.4096	+0.9123	−0.4011	+0.9160
FK3番号	613		615		614		611	

本初子午線正中時

星名	α Scor		β Herc		A Drac		十 λ Ophi m	
等スペクトル型	1.22	M0,A3	2.81	K0	4.98	B8p	3.85	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 26	° ′ −26 19	h m 16 27	° ′ +21 35	h m 16 28	° ′ +68 52	h m 16 28	° ′ +2 5
	s	″	s	″	s	″	s	″
1 1.4	10.605 295	5.22 56	57.105 251	57.67 270	1.60 39	36.91 336	15.371 255	42.11 194
11.4	10.900 322	5.78 70	57.356 279	54.97 249	1.99 49	33.55 297	15.626 280	40.17 186
21.4	11.222 340	6.48 81	57.635 301	52.48 219	2.48 57	30.58 247	15.906 298	38.31 172
31.3	11.562 350	7.29 88	57.936 314	50.29 182	3.05 62	28.11 189	16.204 308	36.59 152
2 10.3	11.912 352	8.17 93	58.250 319	48.47 139	3.67 65	26.22 125	16.512 311	35.07 126
20.3	12.264 347	9.10 93	58.569 316	47.08 92	4.32 67	24.97 56	16.823 308	33.81 97
3 1.2	12.611 338	10.03 90	58.885 309	46.16 $\frac{42}{8}$	4.99 65	24.41 $\overline{11}$	17.131 300	32.84 64
11.2	12.949 325	10.93 87	59.194 295	45.74	5.64 62	24.52 79	17.431 287	32.20 $\frac{31}{0}$
21.2	13.274 307	11.80 81	59.489 277	45.82 54	6.26 58	25.31 140	17.718 271	31.89
31.2	13.581 288	12.61 76	59.766 256	46.36 97	6.84 51	26.71 195	17.989 252	31.89 30
4 10.1	13.869 265	13.37 69	60.022 232	47.33 135	7.35 43	28.66 241	18.241 232	32.19 57
20.1	14.134 239	14.06 64	60.254 204	48.68 165	7.78 34	31.07 278	18.473 207	32.76 79
30.1	14.373 211	14.70 60	60.458 174	50.33 189	8.12 25	33.85 303	18.680 182	33.55 95
5 10.1	14.584 182	15.30 55	60.632 143	52.22 203	8.37 14	36.88 318	18.862 155	34.50 107
20.0	14.766 147	15.85 51	60.775 109	54.25 211	8.51 $\frac{5}{6}$	40.06 321	19.017 123	35.57 115
29.9	14.913 112	16.36 48	60.884 73	56.36 212	8.56	43.27 315	19.140 92	36.72 116
6 8.9	15.025 74	16.84 44	60.957 38	58.48 206	8.50 15	46.42 300	19.232 58	37.88 115
18.9	15.099 $\frac{35}{4}$	17.28 40	60.995 $\frac{1}{35}$	60.54 193	8.35 25	49.42 275	19.290 $\frac{24}{11}$	39.03 109
28.9	15.134	17.68 34	60.996	62.47 175	8.10 33	52.17 244	19.314	40.12 101
7 8.9	15.130 43	18.02 27	60.961 70	64.22 154	7.77 41	54.61 206	19.303 44	41.13 90
18.9	15.087 79	18.29 20	60.891 103	65.76 129	7.36 48	56.67 163	19.259 76	42.03 77
28.8	15.008 111	18.49 11	60.788 131	67.05 99	6.88 54	58.30 116	19.183 105	42.80 63
8 7.8	14.897 138	18.60 $\frac{1}{10}$	60.657 154	68.04 70	6.34 58	59.46 67	19.078 128	43.43 47
17.8	14.759 158	18.61 21	60.503 172	68.74 36	5.76 61	60.13 $\frac{15}{37}$	18.950 146	43.90 32
27.8	14.601 170	18.51	60.331 183	69.10 3	5.15 62	60.28	18.804 156	44.22 13
9 6.7	14.431 171	18.30 30	60.148 184	69.13 $\overline{31}$	4.53 62	59.91 89	18.648 159	44.35 $\overline{4}$
16.7	14.260 163	18.00 39	59.964 176	68.82 66	3.91 59	59.02 140	18.489 151	44.31 23
26.7	14.097 142	17.61 45	59.788 160	68.16 101	3.32 56	57.62 191	18.338 135	44.08 44
10 6.6	13.955 113	17.16 49	59.628 134	67.15 135	2.76 51	55.71 236	18.203 110	43.64 64
16.6	13.842 74	16.67 48	59.494 99	65.80 169	2.25 43	53.35 278	18.093 76	43.00 86
26.6	13.768 27	16.19 43	59.395 58	64.11 199	1.82 34	50.57 316	18.017 35	42.14 107
11 5.6	13.741 $\overline{26}$	15.76 35	59.337 11	62.12 226	1.48 25	47.41 346	17.982 $\overline{10}$	41.07 129
15.5	13.767 81	15.41 23	59.326 $\overline{41}$	59.86 250	1.23 13	43.95 368	17.992 60	39.78 148
25.5	13.848 136	15.18 8	59.367 91	57.36 268	1.10 2	40.27 381	18.052 109	38.30 167
12 5.5	13.984 188	15.10 $\overline{9}$	59.458 142	54.68 279	1.08 $\overline{11}$	36.46 384	18.161 156	36.63 180
15.5	14.172 236	15.19 27	59.600 189	51.89 283	1.19 22	32.62 375	18.317 199	34.83 189
25.4	14.408 277	15.46 44	59.789 230	49.06 276	1.41 33	28.87 354	18.516 237	32.98 193
35.4	14.685	15.90	60.019	46.30	1.74	25.33	18.753	31.01
平位	s 12.887	″ 5.98	s 58.946	″ 65.88	s 4.413	″ 50.45	s 17.288	″ 46.83
Sec δ Tan δ	+1.116	−0.495	+1.076	+0.396	+2.775	+2.589	+1.001	+0.037
2回正中	5月29日		5月29日		5月29日		5月29日	
a b	+0.1836	+0.0131	+0.1290	−0.0103	−0.0056	−0.0674	+0.1511	−0.0010
a′ b′	−0.3979	+0.9174	−0.3908	+0.9205	−0.3904	+0.9206	−0.3896	+0.9210
FK3番号	616		618		619		617	

本初子午線正中時

星名	σ Herc		τ Scor		Grb 2373 Umin		ζ Ophi	
等級 スペクトル型	4.25	A0	2.91	B0	6.39	G5	2.70	B0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 32	° ′ +42 32	h m 16 32	° ′ −28 6	h m 16 32	° ′ +77 32	h m 16 34	° ′ −10 27
	s	″	s	″	s	″	s	″
1 1.4	23.508 263	24.73 324	36.093 294	34.98 42	46.64 56	50.79 330	15.477 263	50.78 131
11.4	23.771 305	21.49 292	36.387 323	35.40 57	47.20 72	47.47 291	15.740 288	52.09 134
21.4	24.076 336	18.57 251	36.710 341	35.97 69	47.92 86	44.56 241	16.028 305	53.43 131
31.3	24.412 357	16.06 202	37.051 353	36.66 78	48.78 96	42.15 185	16.333 317	54.74 122
2 10.3	24.769 369	14.04 144	37.404 357	37.44 84	49.74 102	40.30 121	16.650 320	55.96 110
20.3	25.138 370	12.60 83	37.761 353	38.28 87	50.76 105	39.09 53	16.970 317	57.06 93
3 1.3	25.508 363	11.77 21	38.114 344	39.15 87	51.81 105	38.56 14	17.287 309	57.99 74
11.2	25.871 347	11.56 42	38.458 333	40.02 84	52.86 100	38.70 79	17.596 298	58.73 53
21.2	26.218 321	11.98 99	38.791 315	40.86 81	53.86 92	39.49 141	17.894 288	59.26 33
31.2	26.544 297	12.97 152	39.106 297	41.67 77	54.78 81	40.90 195	18.178 265	59.59 13
4 10.1	26.841 263	14.49 198	39.403 274	42.44 73	55.59 68	42.85 240	18.443 244	59.72 4
20.1	27.104 226	16.47 235	39.677 249	43.17 69	56.27 52	45.25 276	18.689 222	59.68 19
30.1	27.330 186	18.82 261	39.926 221	43.86 65	56.79 37	48.01 302	18.911 198	59.49 31
5 10.1	27.516 142	21.43 279	40.147 190	44.51 63	57.16 19	51.03 315	19.109 170	59.18 40
20.0	27.658 97	24.22 287	40.337 157	45.14 60	57.35 1	54.18 319	19.279 139	58.78 45
30.0	27.755 50	27.09 285	40.494 120	45.74 56	57.36 76	57.37 313	19.418 108	58.33 48
6 8.9	27.805 4	29.94 275	40.614 82	46.30 54	57.20 92	60.50 297	19.526 73	57.85 48
18.9	27.809 43	32.69 257	40.696 41	46.84 49	56.88 99	63.47 272	19.599 37	57.37 48
28.9	27.766 87	35.26 232	40.737 1	47.33 44	56.39 63	66.19 242	19.636 1	56.89 44
7 8.9	27.679 129	37.58 201	40.738 39	47.77 36	55.76 76	68.61 203	19.637 34	56.45 41
18.9	27.550 168	39.59 165	40.699 77	48.13 29	55.00 87	70.64 161	19.603 68	56.04 37
28.8	27.382 201	41.24 126	40.622 110	48.42 18	54.13 96	72.25 115	19.535 98	55.67 32
8 7.8	27.181 229	42.50 83	40.512 139	48.60 7	53.17 103	73.40 66	19.437 123	55.35 28
17.8	26.952 248	43.33 38	40.373 160	48.67 5	52.14 107	74.06 15	19.314 143	55.07 23
27.8	26.704 259	43.71 8	40.213 173	48.62 17	51.07 110	74.21 39	19.171 155	54.84 17
9 6.7	26.445 261	43.63 54	40.040 175	48.45 28	49.97 109	73.84 88	19.016 158	54.67 12
16.7	26.184 253	43.09 102	39.865 168	48.17 40	48.88 105	72.96 139	18.858 152	54.55 4
26.7	25.931 233	42.07 147	39.697 149	47.77 47	47.83 100	71.57 187	18.706 135	54.51 4
10 6.7	25.698 204	40.60 191	39.548 119	47.30 53	46.83 91	69.70 233	18.571 110	54.55 15
16.6	25.494 164	38.69 232	39.429 81	46.77 55	45.92 80	67.37 274	18.461 76	54.70 27
26.6	25.330 116	36.37 270	39.348 33	46.22 52	45.12 66	64.63 310	18.385 33	54.97 41
11 5.6	25.214 62	33.67 301	39.315 79	45.70 46	44.46 51	61.53 340	18.352 73	55.38 54
15.5	25.152 2	30.66 326	39.334 75	45.24 35	43.95 32	58.13 362	18.365 63	55.94 72
25.5	25.150 67	27.40 344	39.409 131	44.89 20	43.63 14	54.51 374	18.428 113	56.66 89
12 5.5	25.211 122	23.96 352	39.540 184	44.69 5	43.49 6	50.77 377	18.541 162	57.55 104
15.5	25.333 181	20.44 350	39.724 233	44.64 13	43.55 26	47.00 367	18.703 206	58.59 117
25.4	25.514 235	16.94 336	39.957 276	44.77 30	43.81 45	43.33 347	18.909 244	59.76 127
35.4	25.749	13.58	40.233	45.07	44.26	39.86	19.153	61.03
中位	s 25.942	″ 35.92	s 38.433	″ 35.64	s 50.826	″ 64.37	s 17.530	″ 48.18
Sec δ Tan δ	+1.357	+0.918	+1.134	−0.534	+4.638	+4.529	+1.017	−0.185
2回正中	5月 30日		5月 30日		5月 30日		5月 31日	
a b	+0.0966	−0.0228	+0.1864	+0.0133	−0.1271	−0.1121	+0.1648	+0.0045
a′ b′	−0.3729	+0.9279	−0.9720	+0.9282	−0.3712	+0.9286	−0.3653	+0.9309
FK3番号	621		620		623		622	

本初子午線正中時

星名	Br 2114 Ophi		η Herc		α Tri A		Grb 2377 Drac	
等級 スペクトル型	5.04	K0	3.61	K0	1.88	K2	4.88	F0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 38	° ′ −17 38	h m 16 41	° ′ +39 0	h m 16 43	° ′ −68 55	h m 16 44	° ′ +56 52
	s	″	s	″	s	″	s	″
1 1.4	31.532 268	37.10 93	4.712 249	61.91 320	3.11 59	61.48 164	16.064 284	15.06 345
11.4	31.800 296	38.03 100	4.961 289	58.71 291	3.70 67	59.84 128	16.348 344	11.61 312
21.4	32.096 315	39.03 103	5.250 319	55.80 253	4.37 73	58.56 87	16.692 394	8.49 266
31.3	32.411 326	40.06 102	5.569 340	53.27 206	5.10 76	57.69 45	17.086 431	5.83 213
2 10.3	32.737 330	41.08 97	5.909 353	51.21 151	5.86 79	57.24 4	17.517 454	3.70 151
20.3	33.067 328	42.05 87	6.262 355	49.70 93	6.65 79	57.20 37	17.971 463	2.19 86
3 1.3	33.395 321	42.92 77	6.617 350	48.77 32	7.44 79	57.57 75	18.434 440	1.33 17
11.2	33.716 310	43.69 63	6.967 337	48.45 29	8.23 76	58.32 113	18.894 445	1.14 48
21.2	34.026 295	44.32 50	7.304 318	48.74 86	8.99 73	59.45 145	19.339 417	1.62 111
31.2	34.321 278	44.82 37	7.622 294	49.60 139	9.72 68	60.90 177	19.756 380	2.73 168
4 10.2	34.599 258	45.19 24	7.916 263	50.99 184	10.40 63	62.67 203	20.136 335	4.41 218
20.1	34.857 235	45.43 15	8.179 230	52.83 222	11.03 56	64.70 225	20.471 283	6.59 258
30.1	35.092 210	45.58 6	8.409 192	55.05 250	11.59 49	66.95 244	20.754 225	9.17 287
5 10.1	35.302 182	45.64 0	8.601 153	57.55 269	12.08 40	69.39 257	20.979 164	12.04 307
20.0	35.484 151	45.64 5	8.754 109	60.24 278	12.48 32	71.96 265	21.143 100	15.12 316
30.0	35.635 117	45.59 7	8.863 67	63.02 278	12.80 22	74.61 268	21.243 35	18.28 315
6 8.9	35.752 81	45.52 8	8.930 21	65.80 270	13.02 12	77.29 263	21.278 31	21.43 305
18.9	35.833 45	45.44 9	8.951 23	68.50 254	13.14 2	79.92 253	21.247 94	24.48 286
28.9	35.878 6	45.35 9	8.928 67	71.04 232	13.16 8	82.45 236	21.153 155	27.34 259
7 8.9	35.884 31	45.26 10	8.861 108	73.36 203	13.08 18	84.81 212	20.998 211	29.93 226
18.9	35.853 65	45.16 10	8.753 146	75.39 169	12.90 27	86.93 182	20.787 243	32.19 187
28.9	35.788 99	45.06 11	8.607 181	77.08 132	12.63 35	88.75 147	20.524 306	34.06 143
8 7.8	35.689 125	44.95 13	8.426 207	78.40 91	12.28 42	90.22 106	20.218 343	35.49 97
17.8	35.564 146	44.82 15	8.219 229	79.31 49	11.86 46	91.28 61	19.875 368	36.46 48
27.8	35.418 159	44.67 16	7.990 242	79.80 4	11.40 50	91.89 14	19.507 384	36.94 3
9 6.7	35.259 163	44.51 17	7.748 245	79.84 42	10.90 50	92.03 34	19.123 388	36.91 54
16.7	35.096 157	44.34 18	7.503 239	79.42 86	10.40 48	91.69 82	18.735 378	36.37 106
26.7	34.939 140	44.16 16	7.264 222	78.56 132	9.92 44	90.87 126	18.357 357	35.31 156
10 6.7	34.799 115	44.00 12	7.042 194	77.24 174	9.48 37	89.61 167	18.000 322	33.75 203
16.6	34.684 79	43.88 6	6.848 159	75.50 216	9.11 29	87.94 201	17.678 275	31.72 248
26.6	34.605 37	43.82 3	6.689 113	73.34 253	8.82 18	85.93 227	17.403 216	29.24 289
11 5.6	34.568 12	43.85 14	6.576 61	70.81 285	8.64 7	83.66 243	17.187 149	26.35 322
15.6	34.580 63	43.99 28	6.515 4	67.96 312	8.57 7	81.23 251	17.038 74	23.13 350
25.5	34.643 116	44.27 43	6.511 55	64.84 331	8.64 19	78.72 248	16.914 7	19.63 368
12 5.5	34.759 165	44.70 58	6.566 114	61.53 341	8.83 31	76.24 235	16.971 87	15.95 376
15.5	34.924 211	45.28 73	6.680 170	58.12 341	9.14 44	73.89 215	17.058 166	12.19 373
25.4	35.135 250	46.01 85	6.850 221	54.71 331	9.58 54	71.74 187	17.224 241	8.46 369
35.4	35.385	46.86	7.071	51.40	10.12	69.87	17.465	4.87
中位	s 33.694	″ 35.59	s 6.671	″ 72.50	s 8.357	″ 66.66	s 18.376	″ 27.25
Sec δ Tan δ	+1.049	−0.318	+1.287	+0.810	+2.782	−2.596	+1.830	+1.533
2回正中	6月 1日		6月 1日		6月 2日		6月 2日	
a b	+0.1732	+0.0074	+0.1025	−0.0182	+0.3168	+0.0570	+0.0567	−0.0331
a′ b′	−0.3479	+0.9375	−0.3375	+0.9413	−0.3291	+0.9443	−0.3243	+0.9460
FK3番号	624		626		625		627	

本初子午線正中時

星名	ε Scor		49 Herc		† 5² Scor		5 Arae	
等級 スペクトル型	2.36	K0	6.41	A0p	3.75	K5	3.06	K5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	16h 46m	−34° 12′	16h 49m	+15° 3′	16h 50m	−42° 16′	16h 54m	−55° 54′
1 1.4	44.909 297	1.68 0	40.742 232	29.01 245	52.275 323	25.90 46	14.861 397	34.28 118
11.4	45.200 329	1.68 18	40.974 262	26.56 231	52.598 359	25.44 24	15.278 447	33.10 89
21.4	45.529 353	1.86 35	41.236 285	24.25 207	52.957 386	25.20 1	15.725 485	32.21 56
31.3	45.882 367	2.21 48	41.521 300	24.18 177	53.343 404	25.19 19	16.210 512	31.63 26
2 10.3	46.249 373	2.69 60	41.821 307	20.41 140	53.747 412	25.36 39	16.722 525	31.37 5
20.3	46.622 374	3.29 69	42.128 309	19.01 99	54.159 414	25.77 56	17.247 530	31.42 34
3 1.3	46.996 367	3.98 76	42.437 305	18.02 55	54.573 408	26.33 71	17.777 526	31.76 63
11.2	47.363 357	4.74 80	42.742 295	17.47 10	54.981 398	27.04 84	18.303 513	32.39 89
21.2	47.720 342	5.54 83	43.037 282	17.37 33	55.379 381	27.88 95	18.816 494	33.28 113
31.2	48.062 323	6.37 86	43.319 265	17.70 73	55.760 363	28.83 105	19.310 468	34.41 135
4 10.2	48.385 302	7.23 87	43.584 246	18.43 107	56.123 338	29.88 113	19.778 436	35.76 154
20.1	48.687 276	8.10 88	43.829 221	19.51 139	56.461 310	31.01 121	20.214 398	37.30 171
30.1	48.963 248	8.98 90	44.050 195	20.90 161	56.771 278	32.22 126	20.612 355	39.01 184
5 10.1	49.211 216	9.88 90	44.245 166	22.51 177	57.049 242	33.48 131	20.967 305	40.85 199
20.0	49.426 180	10.78 90	44.411 134	24.28 187	57.291 201	34.79 134	21.272 251	42.80 202
30.0	49.606 140	11.68 89	44.545 101	26.15 189	57.492 158	36.13 134	21.523 191	44.82 205
6 8.9	49.746 99	12.57 87	44.646 65	28.04 186	57.650 110	37.47 132	21.714 129	46.87 202
18.9	49.845 56	13.44 83	44.711 28	29.90 177	57.760 62	38.79 126	21.843 63	48.90 196
28.9	49.901 10	14.27 77	44.739 8	31.67 163	57.822 11	40.05 119	21.906 3	50.86 185
7 8.9	49.911 33	15.04 68	44.731 45	33.30 146	57.833 38	41.24 107	21.903 69	52.71 167
18.9	49.878 75	15.72 57	44.686 78	34.76 124	57.795 85	42.31 91	21.834 130	54.38 146
28.9	49.803 113	16.29 45	44.608 111	36.00 101	57.710 129	43.22 73	21.704 186	55.84 119
8 7.8	49.690 146	16.74 29	44.497 136	37.01 75	57.581 165	43.95 52	21.518 234	57.03 88
17.8	49.544 170	17.03 12	44.361 157	37.76 48	57.416 193	44.47 28	21.284 270	57.91 53
27.8	49.374 187	17.15 4	44.204 171	38.24 20	57.223 212	44.75 2	21.014 295	58.44 16
9 6.7	49.187 193	17.09 24	44.033 176	38.44 17	57.011 219	44.77 23	20.719 302	58.60 22
16.7	48.994 187	16.85 40	43.857 173	38.33 40	56.792 213	44.54 48	20.417 296	58.38 60
26.7	48.807 169	16.45 56	43.684 159	37.95 71	56.579 194	44.06 72	20.121 272	57.78 95
10 6.7	48.638 141	15.89 67	43.525 137	37.22 101	56.385 162	43.34 91	19.849 232	56.83 127
16.6	48.497 100	15.22 76	43.388 105	36.21 132	56.223 120	42.43 106	19.617 176	55.56 154
26.6	48.397 53	14.46 80	43.283 67	34.89 160	56.103 68	41.37 117	19.441 109	54.02 174
11 5.6	48.344 2	13.66 78	43.216 22	33.29 186	56.037 6	40.20 121	19.332 32	52.28 187
15.6	48.346 61	12.88 73	43.194 26	31.43 210	56.031 58	38.99 119	19.300 51	50.44 191
25.5	48.407 120	12.15 61	43.220 76	29.33 230	56.089 124	37.80 111	19.361 136	48.50 189
12 5.5	48.527 177	11.54 48	43.296 125	27.03 242	56.213 188	36.69 99	19.487 218	46.61 177
15.5	48.704 230	11.06 31	43.421 171	24.61 249	56.401 246	35.70 81	19.705 295	44.84 160
25.4	48.934 275	10.76 13	43.592 211	22.12 249	56.647 298	34.89 61	20.000 364	43.24 136
35.4	49.209	10.62	43.803	19.63	56.945	34.28	20.364	41.88
平位	47.436	2.35	42.664	36.29	55.091	27.39	18.497	39.12
Sec.&Tans	+1.209	−0.680	+1.036	+0.269	+1.351	−0.909	+1.784	−1.476
2回正中	6月 3日		6月 4日		6月 4日		6月 5日	
a b	+0.1964	+0.0142	+0.1362	−0.0054	+0.2112	+0.0180	+0.2478	+0.0279
a′ b′	−0.3140	+0.9494	−0.3019	+0.9533	−0.2969	+0.9549	−0.2827	+0.9592
FK3番号	628		629		630		631	

本初子午線正中時

星名	κ Ophi		ε′ Arae		ε Herc		60 Herc	
等級 スペクトル型	3.42	K0	4.15	K2	3.92	A0	4.91	A3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	16h 55m	+9° 26′	16h 55m	−53° 4′	16h 58m	+30° 59′	17h 2m	+12° 48′
1 1.4	10.327 229	69.49 220	22.473 375	55.4 106	15.903 225	57.23 302	55.913 222	31.95 234
11.4	10.556 258	67.29 210	22.848 422	54.38 78	16.128 262	54.21 280	56.135 262	29.61 222
21.4	10.814 281	65.19 191	23.270 467	53.10 49	16.390 291	51.41 248	56.387 276	27.39 202
31.4	11.095 296	63.28 166	23.721 481	53.11 19	16.681 311	48.93 209	56.663 293	25.37 193
2 10.3	11.391 303	61.62 134	24.208 494	52.92 9	16.992 324	46.86 168	56.956 302	23.64 140
20.3	11.694 305	60.28 97	24.702 498	53.01 37	17.316 330	45.28 106	57.258 306	22.24 100
3 1.3	11.999 302	59.31 59	25.200 494	53.38 62	17.646 329	44.22 60	57.564 304	21.24 59
11.2	12.301 294	58.72 19	25.694 482	54.00 85	17.975 319	43.72 9	57.868 297	20.65 16
21.2	12.595 281	58.53 20	26.176 465	54.85 108	18.292 305	43.79 62	58.165 286	20.50 26
31.2	12.876 266	58.73 56	26.641 441	56.93 127	18.597 286	44.41 111	58.451 271	20.76 65
4 10.2	13.142 247	59.29 89	27.082 411	57.20 143	18.883 263	45.52 156	58.722 253	21.41 100
20.1	13.389 225	60.18 116	27.493 377	58.63 159	19.146 236	47.08 194	58.975 231	22.41 129
30.1	13.614 201	61.33 137	27.870 339	60.22 172	19.381 205	49.02 223	59.206 206	23.70 152
5 10.1	13.815 173	62.70 152	28.207 291	61.94 181	19.586 170	51.25 243	59.412 179	25.22 169
20.1	13.988 143	64.22 160	28.498 241	63.95 187	19.756 133	53.68 254	59.591 148	26.91 179
30.0	14.131 109	65.87 163	28.739 185	65.62 190	19.889 94	56.22 258	59.739 116	28.70 183
6 8.9	14.240 75	67.45 161	28.924 126	67.02 188	19.983 54	58.80 254	59.854 79	30.53 180
18.9	14.315 39	69.06 155	29.052 66	69.40 183	20.037 11	61.34 242	59.933 43	32.33 172
28.9	14.354 2	70.61 142	29.118 4	71.23 171	20.048 29	63.76 223	59.976 5	34.05 160
7 8.9	14.356 34	72.03 128	29.122 57	72.94 156	20.019 70	65.99 199	59.981 32	35.65 144
18.9	14.322 68	73.31 110	29.065 115	74.50 136	19.949 108	67.98 171	59.949 68	37.09 124
28.9	14.254 101	74.41 90	28.950 169	75.86 111	19.841 142	69.69 138	59.881 100	38.33 103
8 7.8	14.153 127	75.31 68	28.781 213	76.97 81	19.699 171	71.07 103	59.781 129	39.36 78
17.8	14.026 149	75.99 46	28.568 247	77.78 49	19.528 194	72.10 64	59.652 151	40.14 53
27.8	13.877 164	76.46 22	28.321 271	78.27 15	19.334 210	72.74 25	59.501 167	40.67 26
9 6.8	13.713 170	76.67 4	28.050 280	78.42 21	19.124 216	72.99 19	59.334 174	40.93 2
16.7	13.543 167	76.63 28	27.770 273	78.21 56	18.908 213	72.82 57	59.160 173	40.91 30
26.7	13.376 155	76.35 55	27.497 251	77.65 90	18.695 201	72.26 100	58.987 161	40.61 59
10 6.7	13.221 133	75.80 81	27.246 214	76.75 119	18.494 177	71.25 139	58.826 141	40.02 88
16.6	13.088 102	74.99 106	27.032 163	75.56 143	18.317 146	69.86 159	58.685 111	39.14 116
26.6	12.986 65	73.91 133	26.869 99	74.13 163	18.171 106	68.07 214	58.574 74	37.98 144
11 5.6	12.921 21	72.58 158	26.770 27	72.50 178	18.065 59	65.93 246	58.500 22	36.54 171
15.6	12.900 29	71.08 179	26.743 51	70.77 178	18.006 7	63.45 275	58.468 16	34.83 193
25.5	12.929 75	69.21 199	26.794 131	68.99 174	17.999 49	60.70 296	58.484 66	32.90 213
12 5.5	13.002 124	67.22 211	26.925 209	67.25 163	18.046 101	57.74 310	58.550 113	30.77 227
15.5	13.126 168	65.11 221	27.132 280	65.62 145	18.147 152	54.64 314	58.663 159	28.50 236
25.5	13.294 209	62.90 222	27.412 343	64.17 124	18.299 200	51.50 308	58.822 201	26.14 236
35.4	13.503	60.68	27.755	62.93	18.499	48.42	59.023	23.88
平位	12.283	76.00	25.864	57.86	17.874	66.58	57.899	39.02
Sec.&Tans	+1.014	+0.167	+1.665	−1.331	+1.167	+0.601	+1.026	+0.227
2回正中	6月 5日		6月 5日		6月 6日		6月 7日	
a b	+0.1427	−0.0031	+0.2386	+0.0247	+0.1147	−0.0107	+0.1386	−0.0039
a′ b′	−0.2790	+0.9603	−0.2780	+0.9606	−0.2660	+0.9640	−0.2463	+0.9692
FK3番号	633		632		634		635	

本初子午線正中時

星名	Grb 2415 Herc				†η Ophi m				· η Scor				ζ Drac			
等級 スペクトル型	6.27		A2		2.63		A2		3.44		F2		3.22		B5	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	17h 6m		+40° 34′		17h 7m		−15° 39′		17h 8m		−43° 10′		17h 8m		+65° 46′	
	s		″		s		″		s		″		s		″	
1 1.4	2.728	222	48.63	328	21.374	243	47.37	88	22.521	309	21.32	65	34.88	28	31.29	355
11.4	2.950	265	45.35	304	21.617	272	48.25	93	22.830	348	20.67	44	35.16	36	27.92	327
21.4	3.215	302	42.31	268	21.889	295	49.18	93	23.178	379	20.23	23	35.52	45	24.45	285
31.4	3.517	328	39.63	224	22.184	311	50.11	90	23.557	400	20.00	3	35.97	50	21.60	234
2 10.3	3.845	346	37.39	170	22.495	320	51.01	83	23.957	412	19.97	$\overline{16}$	36.47	55	19.26	174
20.3	4.191	356	35.69	113	22.815	322	51.84	71	24.369	418	20.13	33	37.02	58	17.52	109
3 1.3	4.547	355	34.56	51	23.137	320	52.55	59	24.787	416	20.46	50	37.60	58	16.43	42
11.3	4.902	349	34.05	$\overline{11}$	23.457	314	53.14	43	25.203	409	20.96	64	38.18	58	16.01	$\overline{27}$
21.2	5.251	335	34.16	71	23.771	304	53.57	28	25.612	396	21.60	76	38.76	55	16.28	92
31.2	5.586	314	34.87	126	24.075	290	53.85	14	26.008	380	22.36	88	39.31	50	17.20	153
4 10.2	5.900	287	36.13	175	24.365	275	53.99	1	26.388	358	23.24	99	39.81	46	18.73	206
20.1	6.187	256	37.88	216	24.640	254	54.00	$\overline{10}$	26.746	331	24.23	109	40.27	38	20.79	251
30.1	6.443	220	40.04	249	24.894	233	53.90	18	27.077	302	25.32	117	40.65	31	23.30	285
5 10.1	6.663	181	42.53	272	25.127	206	53.72	24	27.379	266	26.49	124	40.96	23	26.15	310
20.1	6.844	137	45.25	285	25.333	176	53.48	27	27.645	226	27.73	129	41.19	14	29.25	324
30.0	6.981	93	48.10	290	25.509	143	53.21	28	27.871	182	29.02	133	41.33	5	32.49	327
6 8.9	7.074	46	51.00	286	25.652	108	52.93	27	28.053	134	30.35	134	41.38	$\overline{3}$	35.76	321
18.9	7.120	$\overline{2}$	53.86	273	25.760	69	52.66	26	28.187	84	31.69	131	41.35	13	38.97	306
28.9	7.118	48	56.59	252	25.829	31	52.40	22	28.271	31	33.00	126	41.22	21	42.03	282
7 8.9	7.070	94	59.11	227	25.860	$\overline{8}$	52.18	20	28.302	$\overline{20}$	34.26	116	41.01	29	44.85	252
18.9	6.976	135	61.38	195	25.852	47	51.98	17	28.282	71	35.42	103	40.72	36	47.37	215
28.9	6.841	175	63.33	159	25.805	82	51.81	14	28.211	117	36.45	87	40.36	42	49.52	173
8 7.8	6.666	206	64.92	119	25.723	113	51.67	13	28.094	157	37.32	66	39.94	48	51.25	128
17.8	6.460	233	66.11	77	25.610	138	51.54	11	27.937	189	37.98	43	39.46	51	52.53	79
27.8	6.227	250	66.88	31	25.472	155	51.43	10	27.748	213	38.41	18	38.95	54	53.32	27
9 6.8	5.977	258	67.19	$\overline{14}$	25.317	164	51.33	9	27.535	223	38.59	$\overline{8}$	38.41	55	53.59	$\overline{25}$
16.7	5.719	257	67.05	61	25.153	163	51.24	8	27.312	221	38.51	35	37.86	55	53.34	77
26.7	5.462	244	66.44	108	24.990	152	51.16	5	27.091	206	38.16	59	37.31	53	52.57	129
10 6.7	5.218	220	65.36	152	24.838	130	51.11	2	26.885	177	37.57	82	36.78	49	51.28	180
16.6	4.998	188	63.84	196	24.708	99	51.09	$\overline{3}$	26.708	138	36.75	100	36.29	44	49.48	227
26.6	4.810	145	61.88	236	24.609	60	51.12	10	26.570	86	35.75	114	35.85	37	47.21	271
11 5.6	4.665	95	59.52	272	24.549	15	51.22	19	26.484	27	34.61	122	35.48	29	44.50	309
15.6	4.570	39	56.80	302	24.534	$\overline{34}$	51.41	31	26.457	$\overline{37}$	33.39	123	35.19	20	41.41	340
25.5	4.531	$\overline{20}$	53.78	325	24.568	85	51.72	44	26.494	103	32.16	120	34.99	10	38.01	363
12 5.5	4.551	79	50.53	338	24.653	135	52.16	57	26.597	167	30.96	110	34.89	$\overline{1}$	34.38	375
15.5	4.630	137	47.15	343	24.788	181	52.73	69	26.764	228	29.86	96	34.90	11	30.63	377
25.5	4.767	192	43.72	337	24.969	223	53.42	79	26.992	282	28.90	79	35.01	22	26.86	368
35.4	4.959		40.35		25.192		54.21		27.274		28.11		35.23		23.18	
平位	4.809		58.79		23.576		44.08		25.413		21.48		37.830		42.89	
Sec δ Tan δ	+1.317		+0.857		+1.039		−0.280		+1.371		−0.938		+2.437		+2.223	
2回正中	6月8日				6月8日				6月8日				6月8日			
a b	+0.0978		−0.0133		+0.1715		+0.0043		+0.2143		+0.0140		+0.0089		−0.0329	
a′ b′	−0.2331		+0.9725		−0.2275		+0.9738		−0.2232		+0.9748		−0.2223		+0.9750	
FK3番号	636				637				638				639			

本初子午線正中時

星名	†α Herc Pr				δ Herc				π Herc				ι Apds			
等級 スペクトル型	3.1−3.9		M3		3.16		A2		3.36		K5		5.60		B8	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	17h 12m		+14° 26′		17h 12m		+24° 53′		17h 13m		+36° 51′		17h 16m		−70° 4′	
	s		″		s		″		s		″		s		″	
1 1.4	14.484	213	46.25	240	51.632	210	48.67	283	11.970	211	50.39	320	11.50	54	16.55	202
11.4	14.697	244	43.85	228	51.842	244	45.84	265	12.181	253	47.19	298	12.04	64	14.53	171
21.4	14.941	270	41.57	206	52.086	274	43.19	238	12.434	287	44.21	265	12.68	71	12.82	136
31.4	15.211	288	39.51	179	52.360	294	40.81	203	12.721	314	41.56	223	13.39	77	11.46	98
2 10.3	15.499	300	37.72	143	52.654	308	38.78	160	13.035	331	39.33	173	14.16	81	10.48	58
20.3	15.799	305	36.29	103	52.962	315	37.18	111	13.366	341	37.60	117	14.97	83	9.90	17
3 1.3	16.104	304	35.26	60	53.277	315	36.07	61	13.707	342	36.43	58	15.80	83	9.73	$\overline{21}$
11.3	16.408	299	34.66	16	53.592	311	35.46	7	14.049	337	35.85	$\overline{3}$	16.63	83	9.94	60
21.2	16.707	290	34.50	$\overline{28}$	53.903	299	35.39	$\overline{44}$	14.386	326	35.88	60	17.46	80	10.54	97
31.2	16.997	275	34.78	68	54.202	285	35.83	91	14.712	307	36.48	115	18.26	77	11.51	130
4 10.2	17.272	259	35.46	105	54.487	265	36.74	134	15.019	284	37.63	163	19.03	71	12.81	162
20.1	17.531	238	36.51	135	54.752	242	38.08	171	15.303	255	39.26	205	19.74	66	14.43	191
30.1	17.769	214	37.86	161	54.994	215	39.79	199	15.558	223	41.31	238	20.40	59	16.34	214
5 10.1	17.983	186	39.47	177	55.209	185	41.78	221	15.781	187	43.69	260	20.99	51	18.48	235
20.1	18.169	155	41.24	189	55.394	150	43.99	233	15.968	147	46.29	276	21.50	42	20.83	249
30.0	18.324	122	43.13	193	55.544	115	46.32	238	16.115	104	49.05	281	21.92	32	23.32	260
6 9.0	18.446	87	45.06	191	55.659	75	48.70	236	16.219	60	51.86	278	22.24	22	25.92	263
18.9	18.533	49	46.97	184	55.734	36	51.06	227	16.279	15	54.64	267	22.46	10	28.55	259
28.9	18.582	10	48.81	171	55.770	$\overline{4}$	53.33	212	16.294	$\overline{30}$	57.31	249	22.56	$\overline{0}$	31.14	250
7 8.9	18.592	$\overline{28}$	50.52	155	55.766	45	55.45	191	16.264	75	59.80	224	22.56	12	33.64	234
18.9	18.564	64	52.07	134	55.721	82	57.36	166	16.189	116	62.04	195	22.44	22	35.98	209
28.9	18.500	98	53.41	112	55.639	118	59.02	137	16.073	154	63.99	161	22.22	31	38.07	180
8 7.8	18.402	127	54.53	86	55.521	148	60.39	106	15.919	186	65.60	123	21.91	40	39.87	142
17.8	18.275	152	55.39	60	55.373	173	61.45	72	15.733	213	66.83	83	21.51	46	41.29	101
27.8	18.123	169	55.99	32	55.200	190	62.17	36	15.520	232	67.66	39	21.05	51	42.30	55
9 6.8	17.954	177	56.31	3	55.010	199	62.53	$\overline{1}$	15.288	241	68.05	$\overline{5}$	20.54	54	42.85	7
16.7	17.777	177	56.34	$\overline{27}$	54.811	199	62.52	38	15.047	240	68.00	49	20.00	53	42.92	$\overline{42}$
26.7	17.600	168	56.07	58	54.612	189	62.14	77	14.807	230	67.51	94	19.47	50	42.50	91
10 6.7	17.432	148	55.49	87	54.423	169	61.37	113	14.577	208	66.57	138	18.97	45	41.59	135
16.7	17.284	120	54.62	118	54.254	140	60.24	150	14.369	177	65.19	181	18.52	37	40.24	176
26.6	17.164	84	53.44	146	54.114	104	58.74	185	14.192	138	63.38	220	18.15	27	38.48	209
11 5.6	17.080	41	51.98	173	54.010	59	56.89	217	14.054	90	61.18	256	17.88	16	36.39	235
15.6	17.039	$\overline{5}$	50.25	198	53.951	11	54.72	243	13.964	37	58.62	286	17.72	2	34.04	250
25.5	17.044	54	48.27	217	53.940	$\overline{40}$	52.29	266	13.927	$\overline{18}$	55.76	310	17.70	$\overline{10}$	31.54	257
12 5.5	17.098	103	46.10	232	53.980	91	49.63	281	13.945	76	52.66	325	17.80	24	28.97	253
15.5	17.201	148	43.78	241	54.071	140	46.82	289	14.021	131	49.41	331	18.04	37	26.44	241
25.5	17.349	191	41.37	242	54.211	186	43.93	287	14.152	183	46.10	327	18.41	48	24.03	220
35.4	17.540		38.95		54.397		41.06		14.335		42.83		18.89		21.83	
平位	16.471		53.60		53.625		57.18		14.037		60.05		17.127		18.39	
Sec δ Tan δ	+1.033		+0.258		+1.102		+0.464		+1.250		+0.750		+2.934		−2.768	
2回正中	6月9日				6月9日				6月10日				6月10日			
a b	+0.1365		−0.0036		+0.1230		−0.0063		+0.1044		−0.0101		+0.3339		+0.0349	
a′ b′	−0.2067		+0.9784		−0.2041		+0.9790		−0.2026		+0.9793		−0.1896		+0.9819	
FK3番号	640				641				643				642			

本初子午線正中時

星名	ϑ Ophi		β Arae		27H. Ophi		45 Ophi	
等級	3.37		2.80		4.61		4.37	
スペクトル型	B3		K2		F0		F5	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 17 18	° ′ −24 56	h m 17 20	° ′ −55 28	h m 17 23	° ′ −5 2	h m 17 23	° ′ −29 49
1 1.5	s 46.407	″ 60.76	s 54.645	″ 59.04	s 50.074	″ 39.41	s 59.352	″ 21.32
11.4	46.654 247	61.06 30	55.002 357	57.64 140	50.289 215	38.81 140	59.605 253	21.30 2
21.4	46.935 281	61.45 39	55.415 413	56.48 116	50.535 246	40.20 139	59.893 288	21.41 11
31.4	47.241 306	61.91 46	55.870 455	55.60 88	50.806 271	41.51 131	60.208 315	21.61 20
	47.281 324	61.91 50	55.870 488	55.60 61	50.806 288	41.51 118	60.208 335	21.61 28
2 10.3	47.565	62.41 52	56.358	54.99 31	51.098	42.69 101	60.543	21.89 34
20.3	47.900 335	62.93 50	56.867 509	54.68 3	51.394 300	43.70 99	60.890 347	22.23 38
							60.890 354	
3 1.3	48.241	63.43 47	57.387	54.65 25	51.699	44.49 55	61.244	22.61 40
11.3	48.581 340	63.90 42	57.910 523	54.90 51	52.005 306	45.04 29	61.599 355	23.01 40
21.2	48.916 335	64.32 37	58.428 518	55.41 75	52.308 303	45.33 3	61.950 351	23.41 40
31.2	49.243 327	64.69 32	58.933 505	56.16 99	52.604 296	45.36 27	62.293 343	23.81 40
							62.293 331	
4 10.2	49.558	65.01 27	59.419	57.15 121	52.888	45.15 43	62.624	24.21 39
20.2	49.858 300	65.28 24	59.879 460	58.36 140	53.159 271	44.72 62	62.940 316	24.60 40
30.1	50.138 280	65.52 21	60.306 427	59.76 158	53.412 253	44.10 76	63.236 296	25.00 42
							63.236 273	
5 10.1	50.395	65.73 21	60.695	61.34 172	53.645	43.34 86	63.509	25.42 44
20.1	50.625 230	65.94 22	61.039 344	63.06 184	53.853 208	42.48 93	63.754 245	25.86 47
30.0	50.825 200	66.18 23	61.331 292	64.90 191	54.033 180	41.55 94	63.967 213	26.33 50
	50.825 165		61.331 234		54.033 148		63.967 177	
6 9.0	50.990	66.39 25	61.565	66.81 196	54.181	40.61 93	64.144	26.83 52
18.9	51.117 127	66.64 26	61.738 173	68.77 194	54.295 114	39.68 89	64.281 137	27.35 54
28.9	51.203 86	66.90 27	61.845 107	70.71 187	54.372 77	38.79 82	64.376 95	27.89 54
	51.203 44		61.845 39		54.372 39		64.376 50	
7 8.9	51.247	67.17 27	61.884	72.58 176	54.411	37.97 73	64.426	28.43 52
18.9	51.248 1	67.44 25	61.856 28	74.34 159	54.410 1	37.24 64	64.431 5	28.95 49
28.9	51.208 40	67.69 22	61.762 94	75.93 137	54.372 38	36.60 53	64.392 39	29.44 43
	51.208 80		61.762 155		54.372 74		64.392 80	
8 7.9	51.128	67.91 17	61.607	77.30 110	54.298	36.07 41	64.312	29.87 34
17.8	51.014 114	68.08 11	61.399 208	78.40 78	54.193 105	35.66 31	64.195 117	30.21 24
27.8	50.872 142	68.19 3	61.148 251	79.18 43	54.062 131	35.35 19	64.048 147	30.45 12
	50.872 163		61.148 282		54.062 151		64.048 170	
9 6.8	50.709	68.22 5	60.866	79.61 7	53.911	35.16 7	63.878	30.57 0
16.7	50.535 174	68.17 13	60.567 299	79.68 32	53.749 162	35.09 5	63.696 182	30.57 14
26.7	50.360 175	68.04 20	60.266 301	79.36 68	53.586 163	35.14 18	63.512 184	30.43 25
	50.360 164		60.266 284		53.586 155		63.512 175	
10 6.7	50.196	67.84 25	59.982	78.68 102	53.431	35.32 31	63.337	30.18 37
16.7	50.052 144	67.59 29	59.730 252	77.66 133	53.294 137	35.63 46	63.184 153	29.81 44
26.6	49.940 112	67.30 29	59.527 203	76.33 158	53.184 110	36.09 61	63.063 121	29.37 50
	49.940 72		59.527 143		53.184 75		63.063 80	
11 5.6	49.868	67.01 26	59.384	74.75 175	53.109	36.70 76	62.983	28.87 51
15.6	49.842 26	66.75 21	59.313 71	73.00 186	53.076 33	37.46 93	62.951 32	28.36 48
25.6	49.869 27	66.54 12	59.322 9	71.14 189	53.089 13	38.39 107	62.972 21	27.88 42
	49.869 80		59.322 91		53.089 61		62.972 77	
12 5.5	49.949	66.42 2	59.413	69.25 184	53.150	39.46 120	63.049	27.46 34
15.5	50.081 132	66.40 10	59.586 173	67.41 172	53.259 109	40.66 131	63.181 132	27.12 23
25.5	50.262 181	66.50 21	59.831 251	65.69 156	53.413 154	41.97 137	63.364 183	26.89 11
35.4	50.488 226	66.71	60.159 322	64.13	53.608 196	43.34	63.594 230	26.78
平均	s 48.784	″ 58.02	s 58.267	″ 59.30	s 52.184	″ 32.11	s 61.844	″ 18.79
Sec.Tang	+1.103	−0.465	+1.765	−1.454	+1.004	−0.888	+1.153	−0.573
2回正中	6月11日		6月12日		6月12日		6月12日	
a b	+0.1839	+0.0055	+0.2489	+0.0164	+0.1591	+0.0009	+0.1911	+0.0060
a′ b′	−0.1788	+0.9839	−0.1695	+0.9855	−0.1570	+0.9876	−0.1563	+0.9877
FK3番号	644		645		647		646	

本初子午線正中時

星名	77 Herc		δ Arae		υ Scor		α Arae	
等級	5.81		3.79		2.80		2.97	
スペクトル型	A2		B8		B3		B3p	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 17 25	° ′ +48 17	h m 17 26	° ′ −60 38	h m 17 27	° ′ −37 15	h m 17 27	° ′ −49 50
1 1.5	s 19.093	″ 60.10	s 19.79	″ 34.44	s 10.794	″ 24.72	s 45.812	″ 14.81
11.4	19.297 204	56.63 347	20.19 40	32.75 169	11.062 268	24.25 47	46.127 315	13.65 116
21.4	19.554 257	53.39 324	20.64 45	31.31 144	11.369 307	23.93 32	46.491 364	12.69 96
31.4	19.857 303	50.50 289	21.15 51	30.16 115	11.706 337	23.77 16	46.893 402	11.97 72
	19.857 340	50.50 244		30.16 84	11.706 360	23.77 3	46.893 432	11.97 50
2 10.3	20.197	48.06 190	21.70	29.32 51	12.066	23.74 10	47.325	11.47 25
20.3	20.563 366	46.16 130	22.27 57	28.81 19	12.440 374	23.84 21	47.775 450	11.22 3
	20.563 384		22.27 59		12.440 382		47.775 461	
3 1.3	20.947	44.86 66	22.86	28.62 13	12.822	24.05 30	48.236	11.19 20
11.3	21.337 390	44.20 1	23.46 60	28.75 43	13.206 384	24.35 39	48.701 465	11.39 40
21.2	21.725 388	44.19 62	24.05 59	29.18 73	13.587 381	24.74 46	49.163 462	11.79 61
31.2	22.102 377	40.81 122	24.63 58	29.91 101	13.960 373	25.20 54	49.614 451	12.40 79
	22.102 357		24.63 56		13.960 360		49.614 437	
4 10.2	22.459	46.03 176	25.19	30.92 127	14.320	25.74 60	50.051	13.19 97
20.2	22.788 329	47.79 221	25.72 53	32.19 151	14.664 344	26.34 67	50.467 416	14.16 113
30.1	23.083 295	50.00 259	26.21 49	33.70 172	14.987 323	27.01 73	50.855 388	15.29 128
	23.083 255		26.21 45		14.987 298		50.855 357	
5 10.1	23.338	52.59 286	26.66	35.42 190	15.285	27.74 80	51.212	16.57 141
20.1	23.548 210	55.45 304	27.05 39	37.32 203	15.552 267	28.54 86	51.531 319	17.98 152
30.0	23.709 161	58.49 311	27.39 34	39.35 214	15.784 232	29.40 91	51.805 274	19.50 160
	23.709 109		27.39 27		15.784 194		51.805 224	
6 9.0	23.818	61.60 310	27.66	41.49 219	15.978	30.31 95	52.029	21.10 164
18.9	23.873 55	64.70 300	27.85 19	43.68 219	16.127 149	31.26 95	52.200 171	22.74 164
28.9	23.872 1	67.70 281	27.97 12	45.87 212	16.230 103	32.21 95	52.314 114	24.38 161
	23.872 55		27.97 5		16.230 55		52.314 53	
7 8.9	23.817	70.51 256	28.02	47.99 200	16.285	33.16 90	52.367	25.99 152
18.9	23.709 108	73.07 224	27.98 4	49.99 183	16.290 5	34.06 83	52.360 7	27.51 140
28.9	23.551 158	75.31 188	27.87 11	51.82 158	16.247 43	34.89 73	52.294 66	28.91 121
	23.551 204		27.87 19		16.247 88		52.294 121	
8 7.9	23.247	77.19 147	27.68	53.40 128	16.159	35.62 59	52.173	30.12 99
17.8	23.105 142	78.66 102	27.44 24	54.68 95	16.030 129	36.21 43	52.003 170	31.11 72
27.8	22.830 275	79.68 55	27.14 30	55.63 55	15.868 162	36.64 24	51.793 210	31.83 43
	22.830 297		27.14 33		15.868 186		51.793 240	
9 6.8	22.533	80.23 6	26.81	56.18 15	15.682	36.88 5	51.553	32.26 10
16.7	22.223 310	80.29 43	26.46 35	56.33 27	15.481 201	36.93 17	51.296 257	32.36 22
26.7	21.911 312	79.86 93	26.10 36	56.06 69	15.278 203	36.76 36	51.037 259	32.14 53
	21.911 301		26.10 34		15.278 193		51.037 247	
10 6.7	21.610	78.93 142	25.76	55.37 108	15.085	36.40 54	50.790	31.61 84
16.7	21.329 281	77.51 190	25.46 30	54.29 142	14.914 171	35.86 70	50.570 220	30.77 110
26.6	21.082 247	75.61 233	25.21 25	52.87 172	14.777 137	35.16 81	50.390 180	29.67 133
	21.082 204		25.21 18		14.777 93		50.390 126	
11 5.6	20.878	73.28 273	25.03	51.15 194	14.684	34.35 88	50.266	28.34 147
15.6	20.726 152	70.55 306	24.92 11	49.21 209	14.643 41	33.47 90	50.201 63	26.87 157
25.6	20.633 93	67.49 333	24.91 1	47.12 214	14.660 17	32.57 88	50.208 7	25.30 159
	20.633 28		24.91 5		14.660 76		50.208 79	
12 5.5	20.605	64.16 351	25.00	44.98 212	14.736	31.69 81	50.287	23.71 155
15.5	20.643 38	60.65 357	25.17 17	42.86 202	14.872 136	30.88 70	50.439 152	22.16 144
25.5	20.747 104	57.08 354	25.44 27	40.84 185	15.069 192	30.18 58	50.659 220	20.72 130
35.4	20.914 167	53.54	25.79 35	38.99	15.307 243	29.60	50.943 284	19.42
平均	s 21.386	″ 70.19	s 23.906	″ 34.59	s 13.497	″ 22.74	s 49.062	″ 13.96
Sec.Tang	+1.503	+1.122	+2.040	−1.778	+1.256	−0.761	+1.550	−1.185
2回正中	6月13日		6月13日		6月13日		6月13日	
a b	+0.0794	−0.0113	+0.2706	+0.0173	+0.2035	+0.0072	+0.2316	+0.0111
a′ b′	−0.1506	+0.9886	−0.1461	+0.9893	−0.1425	+0.9898	−0.1400	+0.9902
FK3番号	650		648		649		651	

本初子午線正中時

星名	β Drac		λ Scor		ν¹ Drac		ν² Drac	
等級 / スペクトル型	2.99	G0	1.71	B2	4.98	A5	4.95	A5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	17h 29m	+52° 19′	17h 30m	−37° 4′	17h 31m	+55° 12′	17h 31m	+55° 12′
1 1.5	12.899 201	70.86 354	1.758 265	6.47 47	6.416 202	58.78 357	11.847 202	17.55 357
11.4	13.100 262	67.32 330	2.023 304	6.00 33	6.618 267	55.21 334	12.049 267	13.98 334
21.4	13.362 313	64.02 295	2.327 334	5.67 18	6.885 324	51.87 299	12.316 324	10.64 299
31.4	13.675 355	61.07 250	2.661 357	5.49 5	7.209 371	48.88 253	12.640 370	7.65 253
2 10.3	14.030 386	58.57 195	3.018 373	5.44 7	7.580 405	46.35 198	13.010 405	5.12 198
20.3	14.416 407	56.62 135	3.391 380	5.51 18	7.985 428	44.37 137	13.415 428	3.14 137
3 1.3	14.823 416	55.27 69	3.771 383	5.69 27	8.413 440	43.00 71	13.843 440	1.77 71
11.3	15.239 415	54.58 4/62	4.154 380	5.96 36	8.853 439	42.29 4/62	14.283 439	1.06 4/61
21.2	15.654 403	54.54 122	4.534 373	6.32 43	9.292 427	42.26 123	14.722 427	1.02 123
31.2	16.057 383	55.16	4.907 361	6.75 50	9.719 405	42.87	15.149 405	1.63	
4 10.2	16.440 353	56.38 178	5.260 345	7.25 57	10.124 373	44.10 179	15.554 373	2.86 179
20.2	16.793 315	58.16 225	5.613 324	7.82 63	10.497 333	45.89 227	15.927 333	4.65 227
30.1	17.108 272	60.41 263	5.937 300	8.45 71	10.830 286	48.16 266	16.260 286	6.92 266
5 10.1	17.380 222	63.04 292	6.237 270	9.16 77	11.116 232	50.82 295	16.546 232	9.58 295
20.1	17.602 168	65.96 310	6.507 235	9.93 83	11.348 173	53.77 314	16.778 173	12.53 314
30.0	17.770 111	69.06 319	6.742 196	10.76 89	11.521 112	56.91 323	16.951 112	15.67 323
6 9.0	17.881 51	72.25 318	6.938 152	11.65 92	11.633 48	60.14 323	17.063 48	18.90 323
18.9	17.932 9	75.43 308	7.090 107	12.57 94	11.681 17	63.37 313	17.111 17	22.13 313
28.9	17.923 68	78.51 290	7.197 57	13.51 93	11.664 81	66.50 294	17.094 80	25.26 295
7 8.9	17.855 127	81.41 265	7.254 9	14.44 90	11.583 143	69.44 270	17.014 143	28.21 269
18.9	17.728 180	84.06 233	7.263 40	15.34 83	11.440 199	72.14 237	16.871 199	30.90 237
28.9	17.548 229	86.39 195	7.223 86	16.17 74	11.241 253	74.51 200	16.672 252	33.27 200
8 7.9	17.319 272	88.34 154	7.137 126	16.91 60	10.988 297	76.51 157	16.420 297	35.27 158
17.8	17.047 307	89.88 109	7.011 160	17.51 44	10.691 334	78.08 112	16.123 334	36.85 112
27.8	16.740 331	90.97 60	6.851 186	17.95 26	10.357 360	79.20 64	15.789 360	37.97 64
9 6.8	16.409 345	91.57 11	6.665 199	18.21 6	9.997 376	79.84 12	15.429 376	38.61 12
16.7	16.064 348	91.68 40	6.466 204	18.27 14	9.621 379	79.96 38	15.053 379	38.73 38
26.7	15.716 339	91.28 92	6.262 193	18.13 34	9.242 369	79.58 91	14.674 369	38.35 91
10 6.7	15.377 316	90.36 141	6.069 172	17.79 52	8.873 346	78.67 141	14.305 346	37.44 141
16.7	15.061 283	88.95 190	5.897 138	17.27 68	8.527 311	77.26 190	13.959 311	36.03 190
26.6	14.778 237	87.05 235	5.759 96	16.59 79	8.216 264	75.36 236	13.648 264	34.13 236
11 5.6	14.541 182	84.70 275	5.663 43	15.80 86	7.952 207	73.00 278	13.384 206	31.77 277
15.6	14.359 119	81.95 311	5.620 14	14.94 89	7.745 139	70.22 313	13.178 140	29.00 313
25.6	14.240 51	78.84 338	5.634 73	14.05 87	7.606 68	67.09 341	13.038 68	+25.87 341
12 5.5	14.189 −7	75.46 356	5.707 132	13.18 81	7.538 −8	63.68 359	12.970 −8	22.46 359
15.5	14.210 92	71.90 364	5.839 188	12.37 70	7.546 85	60.09 367	12.978 85	18.87 367
25.5	14.302 161	68.26 360	6.027 240	11.67 58	7.631 159	56.42 364	13.063 159	15.20 364
35.4	14.463	64.66	6.267	11.09	7.790	52.78	13.222	11.56
平位	15.315	80.99	4.459	4.26	8.938	68.94	14.369	27.71
Sec&Tan δ	+1.637	+1.296	+1.253	−0.755	+1.753	+1.440	+1.753	+1.439
2回正中	6月14日		6月14日		6月14日		6月14日	
α δ	+0.0677	−0.0116	+0.2033	+0.0066	+0.0581	−0.0121	+0.0581	−0.0120
α′ δ′	−0.1338	+0.9910	−0.1302	+0.9915	−0.1256	+0.9921	−0.1252	+0.9921
FK3番号	653		652		655		657	

本初子午線正中時

星名	27 Drac		α Ophi		ϑ Scor		ξ Serp	
等級 / スペクトル型	5.21	K0	2.14	A5	2.04	F0	3.64	A5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	17h 32m	+68° 9′	17h 32m	+12° 35′	17h 33m	−42° 57′	17h 34m	−15° 22′
1 1.5	6.67 24	55.35 363	29.096 195	39.89 229	31.817 280	62.37 83	34.157 218	7.99 78
11.4	6.91 33	51.72 338	29.291 228	37.60 219	32.097 322	61.54 67	34.375 251	8.77 80
21.4	7.24 43	48.34 302	29.519 256	35.41 201	32.419 357	60.87 99	34.626 276	9.57 80
31.4	7.67 51	45.32 254	29.775 276	33.40 175	32.776 383	60.38 31	34.902 296	10.37 16
2 10.3	8.18 66	42.78 199	30.051 290	31.65 143	33.159 400	60.07 13/2	35.198 308	11.13 68
20.3	8.74 81	40.79 136	30.341 299	30.22 105	33.559 411	59.94	35.506 316	11.81 66
3 1.3	9.35 63	39.43 69	30.640 302	29.17 64	33.970 414	59.96 18	35.822 318	12.37 43
11.3	9.98 63	38.74 1	30.942 300	28.53 21	34.384 412	60.14 33	36.140 317	12.80 27
21.2	10.61 61	38.73 66	31.242 294	28.32 27	34.796 405	60.47 45	36.457 310	13.07 13/2
31.2	11.22 58	39.39 128	31.536 284	28.53 61	35.201 392	60.92 58	36.767 302	13.20	
4 10.2	11.80 52	40.67 185	31.820 270	29.14 97	35.593 376	61.50 71	37.069 289	13.18 15
20.2	12.32 46	42.52 234	32.090 251	30.11 128	35.969 353	62.21 82	37.358 273	13.03 25
30.1	12.78 38	44.86 274	32.341 230	31.39 153	36.322 326	63.03 94	37.631 253	12.78 33
5 10.1	13.16 29	47.60 302	32.571 204	32.92 171	36.648 294	63.97 103	37.884 229	12.45 37
20.1	13.45 20	50.62 322	32.775 175	34.63 184	36.942 256	65.00 113	38.113 200	12.08 40
30.0	13.65 10	53.84 331	32.950 143	36.47 189	37.198 213	66.13 119	38.313 168	11.68 39
6 9.0	13.75 −0	57.15 330	33.093 107	38.36 188	37.411 166	67.32 125	38.481 134	11.29 37
18.9	13.75 10	60.45 319	33.200 69	40.24 182	37.577 115	68.57 126	38.615 94	10.92 33
28.9	13.65 20	63.64 301	33.269 30	42.06 171	37.692 62	69.83 125	38.709 55	10.59 29
7 8.9	13.45 28	66.65 275	33.299 −9	43.77 156	37.754 6	71.08 120	38.764 13/27	10.30 23
18.9	13.17 38	69.40 241	33.290 48	45.33 137	37.762 44	72.28 111	38.777 10	10.07 18
28.9	12.79 44	71.81 203	33.242 84	46.70 116	37.718 95	73.39 98	38.750 65	9.89 14
8 7.9	12.35 52	73.84 160	33.158 115	47.86 92	37.623 138	74.37 81	38.685 99	9.75 10
17.8	11.83 56	75.44 113	33.043 142	48.78 67	37.485 177	75.18 61	38.586 129	9.65 6
27.8	11.27 60	76.57 63	32.901 163	49.45 40	37.308 204	75.79 37	38.457 150	9.59 5
9 6.8	10.67 62	77.20 11/41	32.738 174	49.85 13/15	37.104 220	76.16 12/14	38.307 164	9.54 3
16.7	10.05 62	77.31	32.564 178	49.98	36.884 225	76.28	38.143 167	9.51 1/2
26.7	9.43 62	76.90 94	32.386 171	49.83 45	36.659 215	76.14 39	37.976 160	9.50	
10 6.7	8.81 58	75.96 146	32.215 154	49.38 73	36.444 192	75.75 64	37.816 143	9.52 5
16.7	8.23 53	74.50 146	32.061 129	48.65 102	36.252 158	75.11 85	37.673 116	9.57 9
26.6	7.70 46	72.54 243	31.932 96	47.63 130	36.094 110	74.26 102	37.557 80	9.66 16
11 5.6	7.24 38	70.11 284	31.836 56	46.33 156	35.984 55/6	73.24 114	37.477 38/8	9.82 23
15.6	6.86 29	67.27 320	31.780 10	44.77 180	35.929 70	72.10 120	37.439 59	10.05 33
25.6	6.57 18	64.07 348	31.770 36	42.97 201	35.935	70.90 121	37.447	10.38 43
12 5.5	6.39 7/5	60.59 365	31.806 85	40.96 217	36.005 135	69.69 117	37.506 107	10.81 54
15.5	6.32	56.94 374	31.891 130	38.79 226	36.140 195	68.52 108	37.613 154	11.35 64
25.5	6.37 16	53.20 369	32.021 173	36.53 229	36.335 252	67.44 95	37.767 199	11.99 71
35.4	6.53	49.51	32.194	34.24	36.587	66.49	37.964	12.90
平位	10.077	65.79	31.130	47.16	34.736	60.42	36.399	3.36
Sec&Tan δ	+2.689	+2.496	+1.025	+0.223	+1.367	−0.931	+1.037	−0.275
2回正中	6月14日		6月14日		6月15日		6月15日	
α δ	−0.0119	−0.0202	+0.1385	−0.0018	+0.2150	+0.0071	+0.1915	+0.0020
α′ δ′	−0.1211	+0.9926	−0.1196	+0.9928	−0.1150	+0.9934	−0.1186	+0.9939
FK3番号	659		656		654		658	

本初子午線正中時

星名	ω Drac		ι Herc		κ Scor		μ Arae	
等スペク級トル型	4.87	F5	3.79	B3	2.51	B2	5.26	G5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 17 37	+68° 46′	h m 17 37	+46° 1′	h m 17 38	−39° 0′	h m 17 39	−51° 48′
1 1.5	s 11.60 2	″ 45.71 363	s 57.342 184	″ 49.63 344	s 50.466 261	″ 21.70 64	s 57.330 309	″ 32.76 135
11.4	11.82 33	42.08 340	57.576 237	46.19 324	50.727 301	21.06 51	57.639 361	31.41 116
21.4	12.15 43	38.68 304	57.813 282	42.95 292	51.028 335	20.55 35	58.000 404	30.25 95
31.4	12.58 50	35.64 259	58.095 319	40.03 249	51.363 360	20.20 21	58.404 438	29.30 70
2 10.4	13.08 58	33.05 203	58.414 347	37.54 199	51.723 376	19.99 8	58.842 460	28.60 47
20.3	13.66 61	31.02 142	58.761 366	35.55 140	52.099 387	19.91 5	59.302 474	28.13 22
3 1.3	14.27 65	29.60 74	59.127 375	34.15 78	52.486 392	19.96 15	59.776 482	27.91 1
11.3	14.92 64	28.86 7	59.502 376	33.37 14	52.878 390	20.11 26	60.258 481	27.92 25
21.2	15.56 63	28.79 60	59.878 368	33.23 49	53.268 384	20.37 35	60.739 474	28.17 46
31.2	16.19 60	29.39 124	60.246 353	33.72 109	53.652 374	20.72 45	61.213 460	28.63 67
4 10.2	16.79 54	30.63 180	60.599 329	34.81 163	54.026 359	21.17 53	61.673 442	29.30 88
20.2	17.33 48	32.43 231	60.928 299	36.44 211	54.385 339	21.70 63	62.115 415	30.18 106
30.1	17.81 39	34.74 270	61.227 263	38.55 250	54.724 315	22.33 72	62.530 384	31.24 125
5 10.1	18.20 31	37.44 301	61.490 222	41.05 278	55.039 285	23.05 80	62.914 345	32.49 139
20.1	18.51 22	40.45 322	61.712 176	43.83 298	55.324 249	23.85 88	63.259 300	33.88 154
30.1	18.73 11	43.67 331	61.888 127	46.81 309	55.573 211	24.73 95	63.559 249	35.42 163
6 9.0	18.84 1	46.98 332	62.015 75	49.90 309	55.784 166	25.68 101	63.808 193	37.05 171
18.9	18.85 10	50.30 323	62.090 22	52.99 302	55.950 118	26.69 103	64.001 133	38.76 173
28.9	18.75 19	53.53 304	62.112 32	56.01 285	56.068 68	27.72 103	64.134 71	40.49 172
7 8.9	18.56 29	56.57 280	62.080 84	58.86 263	56.136 16	28.75 101	64.205 6	42.21 165
18.9	18.27 38	59.37 248	61.996 134	61.49 233	56.152 33	29.76 95	64.211 56	43.86 152
28.9	17.89 45	61.85 209	61.862 180	63.82 198	56.119 82	30.71 84	64.155 116	45.38 136
8 7.9	17.44 53	63.94 168	61.682 219	65.80 159	56.037 124	31.55 71	64.039 168	46.74 114
17.8	16.91 57	65.62 120	61.463 253	67.39 116	55.913 161	32.26 55	63.871 213	47.88 88
27.8	16.34 62	66.82 71	61.210 278	68.55 70	55.752 188	32.81 35	63.658 247	48.76 57
9 6.8	15.72 64	67.53 20	60.932 293	69.25 23	55.564 205	33.16 14	63.411 268	49.33 24
16.8	15.08 65	67.73 33	60.639 297	69.48 26	55.359 211	33.30 9	63.143 274	49.57 10
26.7	14.43 63	67.40 86	60.342 290	69.22 75	55.148 202	33.21 30	62.869 264	49.47 44
10 6.7	13.80 60	66.54 138	60.052 292	68.47 124	54.946 182	32.91 51	62.605 240	49.03 77
16.7	13.20 56	65.16 188	59.780 292	67.23 172	54.764 149	32.40 68	62.365 200	48.26 107
26.6	12.64 49	63.28 236	59.538 203	65.51 216	54.615 107	31.72 84	62.165 147	47.19 131
11 5.6	12.15 40	60.92 277	59.335 154	63.35 256	54.508 54	30.88 93	62.018 85	45.88 151
15.6	11.75 31	58.15 315	59.181 98	60.79 292	54.454 2	29.95 98	61.933 13	44.37 163
25.6	11.44 21	55.00 343	59.083 38	57.87 321	54.456 64	28.97 99	61.920 61	42.74 170
12 5.5	11.23 9	51.57 363	59.045 25	54.66 339	54.520 123	27.98 94	61.981 137	41.04 168
15.5	11.14 3	47.94 372	59.070 89	51.27 350	54.643 182	27.04 86	62.118 208	39.36 161
25.5	11.17 15	44.22 369	59.159 149	47.77 349	54.825 234	26.18 75	62.326 274	37.75 148
35.5	11.32	40.53	59.308	44.28	55.059	25.43	62.600	36.27
平位	s 15.061	″ 55.88	s 59.684	″ 59.13	s 53.239	″ 18.98	s 60.709	″ 30.96
Sec δ tan δ	+2.763	+2.576	+1.440	+1.037	+1.287	−0.810	+1.617	−1.271
2回正中	6月16日		6月16日		6月16日		6月16日	
a b	−0.0175	−0.0170	+0.0845	−0.0066	+0.2071	+0.0050	+0.2378	+0.0074
a′ b′	−0.0991	+0.9951	−0.0959	+0.9954	−0.0920	+0.9958	−0.0871	+0.9962
FK3編号	664		663		660		662	

本初子午線正中時

星名	η Pavo		β Ophi		ψ Dracpr		ι Scor	
等スペク級トル型	3.58	K0	2.94	K0	4.90	F5	3.14	F5p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 17 40	−64° 41′	h m 17 40	+4° 34′	h m 17 42	+72° 10′	h m 17 43	−40° 6′
1 1.5	s 32.85 40	″ 67.35 201	s 52.041 192	″ 68.16 186	s 47.47 22	″ 19.88 364	s 53.888 258	″ 35.03 74
11.4	33.25 49	65.34 175	52.233 225	66.30 181	47.69 35	16.24 342	54.146 301	34.29 60
21.4	33.74 55	63.59 148	52.458 251	64.49 166	48.04 47	12.82 308	54.447 335	33.69 45
31.4	34.29 60	62.11 115	52.709 272	62.83 148	48.51 56	9.74 264	54.782 361	33.24 31
2 10.4	34.89 64	60.96 83	52.981 297	61.35 121	49.07 65	7.10 209	55.143 379	32.93 17
20.3	35.53 66	60.13 47	53.268 295	60.14 91	49.72 71	5.01 149	55.522 391	32.76 3
3 1.3	36.19 68	59.66 13	53.563 300	59.23 58	50.43 74	3.52 82	55.913 396	32.73 8
11.3	36.87 67	59.53 22	53.863 299	58.65 22	51.17 75	2.70 14	56.309 396	32.81 20
21.2	37.54 67	59.75 54	54.162 294	58.43 13	51.92 74	2.56 52	56.705 392	33.01 30
31.2	38.21 64	60.29 87	54.456 286	58.56 46	52.66 69	3.08 115	57.097 381	33.31 41
4 10.2	38.85 62	61.16 119	54.742 274	59.02 76	53.35 64	4.23 173	57.478 367	33.72 52
20.2	39.47 57	62.33 144	55.016 258	59.78 102	53.99 56	5.96 224	57.845 348	34.24 61
30.1	40.04 53	63.77 170	55.274 238	60.80 124	54.55 46	8.20 265	58.193 324	34.85 72
5 10.1	40.57 47	65.47 193	55.512 214	62.04 138	55.01 36	10.85 296	58.517 293	35.57 81
20.1	41.04 40	67.40 210	55.726 187	63.42 148	55.37 24	13.81 317	58.810 254	36.38 91
30.1	41.44 32	69.50 224	55.913 156	64.90 152	55.61 13	16.98 329	59.069 218	37.29 99
6 9.0	41.76 25	71.74 232	56.069 121	66.42 152	55.74 0	20.27 330	59.287 174	38.28 104
18.9	42.01 15	74.06 235	56.190 84	67.94 146	55.74 12	23.57 323	59.461 126	39.32 109
28.9	42.16 7	76.41 232	56.274 45	69.40 138	55.62 24	26.80 305	59.587 74	40.41 109
7 8.9	42.23 3	78.73 221	56.319 6	70.78 124	55.38 35	29.85 282	59.661 21	41.50 107
18.9	42.20 11	80.94 205	56.325 33	72.02 110	55.03 45	32.67 250	59.682 29	42.57 101
28.9	42.09 20	82.99 181	56.292 70	73.12 93	54.58 55	35.17 214	59.653 80	43.58 91
8 7.9	41.89 30	84.80 152	56.222 102	74.05 75	54.03 63	37.31 172	59.573 123	44.49 77
17.8	41.62 33	86.32 117	56.120 131	74.80 55	53.40 69	39.03 126	59.450 161	45.26 61
27.8	41.29 38	87.49 76	55.989 152	75.35 35	52.71 74	40.29 77	59.289 190	45.87 40
9 6.8	40.91 41	88.25 34	55.837 165	75.70 14	51.97 77	41.06 27	59.099 208	46.27 19
16.8	40.50 42	88.59 12	55.672 169	75.84 7	51.20 78	41.33 26	58.891 214	46.46 5
26.7	40.08 40	88.47 57	55.503 164	75.77 29	50.42 77	41.07 80	58.677 207	46.41 28
10 6.7	39.68 37	87.90 101	55.339 149	75.48 51	49.65 73	40.27 131	58.470 188	46.13 50
16.7	39.31 32	86.89 140	55.190 125	74.97 74	48.92 68	38.96 181	58.282 156	45.63 69
26.6	38.99 24	85.49 174	55.065 93	74.23 95	48.24 61	37.15 229	58.126 113	44.94 85
11 5.6	38.75 16	83.75 203	54.972 53	73.28 117	47.63 52	34.86 273	58.013 62	44.09 97
15.6	38.59 5	81.72 221	54.919 9	72.11 138	47.11 40	32.13 309	57.951 3	43.12 103
25.6	38.54 5	79.51 233	54.910 37	70.73 155	46.71 28	29.04 340	57.948 57	42.09 106
12 5.5	38.59 16	77.18 234	54.949 84	69.18 170	46.43 15	25.64 360	58.005 118	41.03 102
15.5	38.75 26	74.84 229	55.031 129	67.48 179	46.28 1	22.04 371	58.123 177	40.01 94
25.5	39.01 35	72.55 214	55.160 170	65.69 185	46.27 14	18.33 369	58.300 231	39.07 84
35.5	39.36	70.41	55.330	63.84	46.41	14.64	58.531	38.23
平位	s 37.489	″ 66.33	s 54.115	″ 74.83	s 51.444	″ 29.75	s 56.703	″ 32.00
Sec δ tan δ	+2.340	−2.116	+1.003	+0.080	+3.267	+3.110	+1.307	−0.842
2回正中	6月16日		6月17日		6月17日		6月17日	
a b	+0.2939	+0.0119	+0.1480	−0.0005	−0.0534	−0.0155	+0.2094	+0.0039
a′ b′	−0.0894	+0.9964	−0.0832	+0.9965	−0.0747	+0.9972	−0.0700	+0.9976
FK3編号	661		665		670		666	

本初子午線正中時

星名	μ Herc		γ Ophi		G Scor		35 Drac	
等級 スペクトル型	3.48	G5	3.74	A0	3.25	K2	5.04	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	17h 44m	+27° 44′	17h 45m	+2° 43′	17h 46m	−37° 1′	17h 51m	+76° 57′
1 1.5	23.196	51.37	14.979	24.51	16.309	46.72	41.16	66.71
11.4	23.373 177	48.44 293	15.109 190	22.75 176	16.556 247	46.15 57	41.37 21	63.11 360
21.4	23.590 217	45.66 278	15.331 222	21.05 170	16.844 288	45.69 46	41.76 39	59.71 340
31.4	23.840 250	43.13 253	15.580 249	19.47 158	17.165 321	45.36 33	42.33 57	56.62 309
	276	220	271	141	346	21	90	267
2 10.4	24.116	40.93	15.851	18.06	17.511	45.15	43.03	53.95
20.3	24.412 296	39.16 177	16.136 285	16.90 116	17.875 364	45.06 9	43.86 83	51.80 215
	309	129	294	88	375	0	92	155
3 1.3	24.721	37.87	16.430	16.02	18.250	45.06	44.78	50.25
11.3	25.036 315	37.10 77	16.730 300	15.46 56	18.630 380	45.15 9	45.75 97	49.34 91
21.2	25.352 316	36.88 22	17.029 299	15.23 23	19.012 382	45.33 18	46.74 99	49.10 24
31.2	25.663 311	37.20 32	17.325 296	15.34 11	19.388 376	45.58 25	47.71 97	49.52 42
	301	82	288	43	368	32	93	106
4 10.2	25.964	38.02	17.613	15.77	19.756	45.90	48.64	50.58
20.2	26.250 286	39.32 130	17.889 276	16.48 71	20.111 355	46.31 41	49.50 86	52.21 163
30.1	26.515 265	41.02 170	18.150 261	17.44 96	20.447 336	46.79 48	50.24 74	54.36 215
	241	203	243	116	314	56	63	257
5 10.1	26.756	43.05	18.393	18.60	20.761	47.35	50.87	56.93
20.1	26.968 212	45.34 229	18.612 219	19.90 130	21.047 286	48.00 65	51.35 48	59.83 290
30.1	27.146 178	47.79 245	18.804 192	21.29 139	21.299 252	48.72 72	51.67 32	62.97 314
	142	255	161	144	214	80	16	326
6 9.0	27.288	50.34	18.965	22.73	21.513	49.52	51.83 1	66.23
18.9	27.390 102	52.89 255	19.091 126	24.15 142	21.685 172	50.39 87	51.82 17	69.53 330
28.9	27.450 60	55.39 250	19.181 90	25.53 138	21.810 125	51.29 90	51.65 34	72.77 324
	18	236	51	128	76	92		309
7 8.9	27.468 26	57.75	19.232	26.81	21.886	52.21	51.31	75.86
18.9	27.442 68	59.92 217	19.243 11	27.98 117	21.912 26	53.12 91	50.82 49	78.73 287
28.9	27.374 106	61.85 193	19.215 28	29.01 103	21.888 24	53.99 87	50.19 63	81.31 258
		165	65	87	72	79	76	222
8 7.9	27.268	63.50	19.150	29.88	21.816	54.78	49.43	83.53
17.8	27.126 142	64.83 133	19.051 99	30.57 69	21.701 115	55.46 68	48.57 86	85.36 183
27.8	26.955 171	65.82 99	18.924 127	31.09 52	21.550 151	55.99 53	47.61 96	86.75 139
	193	61	149	33	180	37	103	90
9 6.8	26.762	66.43	18.775	31.42	21.370	56.36	46.58	87.65
16.8	26.554 208	66.66 23	18.611 164	31.55 13	21.173 197	56.54 18	45.52 106	88.06 41
26.7	26.342 212	66.49 17	18.443 168	31.49 6	20.969 204	56.51 3	44.43 109	87.96 10
	207	56	164	26	198	23	108	63
10 6.7	26.135	65.93	18.279	31.23	20.771	56.28	43.35	87.33
16.7	25.944 191	64.96 97	18.130 149	30.77 46	20.592 179	55.87 41	42.31 104	86.18 115
26.6	25.776 168	63.61 135	18.005 125	30.10 67	20.442 150	55.28 59	41.34 97	84.53 165
	133	174	94	88	108	72	89	214
11 5.6	25.643	61.87	17.911	29.22	20.334	54.56	40.45	82.39
15.6	25.550 93	59.80 207	17.856 55	28.14 108	20.275 59	53.74 82	39.69 76	79.82 257
25.6	25.503 47	57.42 238	17.845 11	26.87 127	20.271 4	52.87 87	39.07 62	76.86 296
	3	264	35	145	54	87	47	327
12 5.5	25.506	54.78	17.880	25.42	20.325	52.00	38.60	73.59
15.5	25.560 54	51.95 283	17.961 81	23.84 158	20.438 113	51.16 84	38.32 28	70.09 350
25.5	25.664 104	49.02 293	18.087 126	22.15 169	20.607 169	50.39 77	38.22 10	66.47 362
35.5	25.816 152	46.08 294	18.255 168	20.42 173	20.828 221	49.72 67	38.32 10	62.84 363
半位	25.281	59.80	17.009	31.12	19.021	43.27	46.346	76.03
Sec&Tan δ	+1.130	+0.526	+1.001	+0.048	+1.253	−0.754	+0.436	+4.322
2回正中	6月17日		6月18日		6月18日		6月19日	
a b	+0.1183	−0.0024	+0.1502	−0.0002	+0.2035	+0.0030	−0.1346	−0.0103
a′ b′	−0.0679	+0.9977	−0.0642	+0.9979	−0.0597	+0.9982	−0.0359	+0.9994
FK3番号	667		668		669		675	

本初子午線正中時

星名	ξ Drac		ϑ Herc		γ Drac		ε Herc	
等級 スペクトル型	3.90	K0	3.99	K0	2.42	K5	3.82	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	17h 52m	+56° 52′	17h 54m	+37° 14′	17h 55m	+51° 29′	17h 55m	+29° 14′
1 1.5	34.953	39.57	25.873	74.09	21.299	30.44	42.428	59.80
11.4	35.120 167	35.96 361	26.036 163	70.86 323	21.459 160	26.89 355	42.592 164	56.85 295
21.4	35.357 237	32.53 343	26.245 209	67.79 307	21.681 222	23.52 337	42.797 205	54.02 283
31.4	35.658 301	29.42 311	26.493 248	64.99 280	21.957 276	20.45 307	43.037 240	51.44 258
	354	270	281	244	322	268	269	226
2 10.4	36.012	26.72	26.774	62.55	22.279	17.77	43.306	49.18
20.3	36.410 398	24.54 218	27.081 307	60.57 198	22.638 359	15.60 217	43.597 291	47.34 184
	428	159	325	146	385	158	307	136
3 1.3	36.838	22.95	27.406	59.11	23.023	14.02	43.904	45.98
11.3	37.285 447	22.01 94	27.742 336	58.23 88	23.425 402	13.05 97	44.220 316	45.14 84
21.3	37.739 454	21.74 27	28.081 339	57.94 29	23.833 408	12.75 30	44.539 319	44.87 27
31.2	38.187 448	22.13 39	28.417 336	58.25 31	24.237 404	13.10 35	44.855 316	45.13 26
	431	103	327	89	390	97	309	80
4 10.2	38.618	23.16	28.744	59.14	24.627	14.07	45.164	45.93
20.2	39.022 404	24.77 161	29.055 311	60.55 141	24.995 368	15.62 155	45.459 295	47.21 128
30.1	39.389 367	26.89 212	29.343 288	62.42 187	25.332 337	17.68 206	45.735 276	48.91 170
	321	256	262	225	299	249	253	206
5 10.1	39.710	29.45	29.605	64.67	25.631	20.17	45.988	50.97
20.1	39.978 268	32.34 289	29.834 229	67.22 255	25.885 254	22.98 281	46.212 224	53.30 233
30.1	40.186 208	35.47 313	30.025 191	69.98 276	26.089 204	26.04 306	46.403 191	55.82 252
	145	326	150	289	148	319	155	264
6 9.0	40.331	38.73	30.175	72.87	26.237	29.23	46.558	58.46
19.0	40.409 78	42.03 320	30.281 106	75.78 291	26.328 91	32.46 323	46.673 115	61.11 265
28.9	40.419 10	45.27 324	30.340 59	78.65 287	26.358 30	35.65 319	46.795 72	63.73 262
	59	311	11	274	30	305	27	249
7 8.9	40.360	48.38	30.351	81.39	26.328	38.70	46.772	66.22
18.9	40.234 126	51.26 288	30.314 37	83.94 255	26.239 89	41.54 284	46.756 16	68.53 231
28.9	40.046 188	53.86 260	30.231 83	86.23 229	26.093 146	44.11 257	46.696 60	70.62 209
	246	225	127	198	199	223	101	180
8 7.9	39.800	56.11	30.104	88.21	25.894	46.34	46.595	72.42
17.8	39.502 298	57.96 185	29.931 165	89.85 164	25.649 245	48.18 184	46.658 137	73.90 148
27.8	39.163 339	59.37 141	29.740 199	91.10 125	25.364 285	49.59 141	46.289 169	75.04 114
	373	94	224	84	314	95	193	76
9 6.8	38.790	60.31	29.516	91.94	25.050	50.54	46.096	75.80
16.8	38.396 394	60.74 43	29.276 240	92.34 40	24.715 335	51.00 46	45.886 210	76.17 37
26.7	37.994 402	60.66 8	29.028 248	92.30 4	24.372 343	50.96 4	45.670 216	76.14 3
	398	61	245	51	340	56	214	44
10 6.7	37.596	60.05	28.783	91.79	24.032	50.40	45.456	75.70
16.7	37.215 381	58.93 112	28.552 231	90.83 96	23.708 324	49.34 106	45.256 200	74.85 85
26.7	36.866 349	57.29 164	28.346 206	89.43 140	23.412 296	47.78 156	45.078 178	73.59 126
	305	212	173	183	256	204	146	185
11 5.6	36.561	55.17	28.173	87.60	23.156	45.74	44.932	71.94
15.6	36.312 249	52.61 256	28.042 131	85.37 223	22.948 208	43.26 248	44.826 106	69.93 201
25.6	36.126 186	49.66 295	27.959 83	82.79 258	22.799 149	40.40 286	44.765 61	67.60 233
	113	327	30	287	85	319	12	260
12 5.5	36.013	46.39	27.929	79.92	22.714	37.21	44.753	65.00
15.5	35.977 36	42.89 350	27.954 25	76.83 309	22.697 17	33.79 342	44.792 39	62.19 281
25.5	36.020 43	39.25 364	28.034 80	73.62 321	22.749 52	30.24 355	44.881 89	59.26 293
35.5	36.140 120	35.61 364	28.167 133	70.38 324	22.869 120	26.67 357	45.018 137	56.29 297
半位	37.643	48.75	28.070	82.66	23.795	39.39	44.549	68.03
Sec&Tan δ	+1.830	+1.533	+1.256	+0.761	+1.606	+1.257	+1.146	+0.560
2回正中	6月20日		6月20日		6月20日		6月20日	
a b	+0.0512	−0.0033	+0.1026	−0.0012	+0.0696	−0.0017	+0.1160	−0.0007
a′ b′	−0.0322	+0.9995	−0.0241	+0.9997	−0.0201	+0.9998	−0.0186	+0.9998
FK3番号	671		672		676		674	

本初子午線正中時

星名	ν Ophi		67 Ophi		γ Sgtr		66 G.Apds	
等級 / スペクトル型	3.50	K0	3.92	B5p	3.07	K0	5.69	K5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 17 56	° ′ −9 46	h m 17 58	° ′ +2 55	h m 18 2	° ′ −30 25	h m 18 3	° ′ −75 53
	s	″	s	″	s	″	s	″
1 1.5	7.529	14.30	0.225	50.04	25.433	40.94	51.70	50.93
11.5	7.720 191	15.31 101	0.403 178	48.31 173	25.648 215	40.67 27	52.25 55	48.29 264
21.4	7.945 225	16.33 102	0.614 211	46.63 168	25.902 254	40.47 20	52.96 71	45.87 242
31.4	8.198 253	17.29 96	0.853 239	45.07 156	26.188 286	40.35 12	53.80 84	43.75 212
	274	88	263	138	311	7	94	180
2 10.4	8.472	18.17	1.116	43.69	26.499	40.28	54.74	41.95
20.3	8.762 290	18.91 74	1.394 278	42.54 115	26.829 330	40.26 2	55.76 102	40.53 142
	301	57	290	87	343	1	109	102
3 1.3	9.063	19.48	1.684	41.67	27.172	40.27	56.85	39.51
11.3	9.369 306	19.87 39	1.980 296	41.13 54	27.522 350	40.30 3	57.97 112	38.90 61
21.3	9.678 309	20.04 17	2.279 299	40.91 22	27.876 354	40.33 3	59.12 115	38.72 18
31.2	9.984 306	20.00 4	2.576 297	41.04 13	28.228 352	40.37 4	60.25 113	38.94 22
	301	24	292	45	347	6	112	64
4 10.2	10.285	19.76	2.868	41.49	28.575	40.43	61.37	39.58
20.2	10.576 291	19.35 41	3.150 282	42.22 73	28.913 338	40.51 8	62.44 107	40.62 104
30.2	10.854 278	18.79 56	3.418 268	43.21 99	29.236 323	40.62 11	63.45 101	42.02 140
	260	68	251	120	305	15	92	175
5 10.1	11.114	18.11	3.669	44.41	29.541	40.77	64.37	43.77
20.1	11.353 239	17.36 75	3.898 229	45.75 134	29.821 280	40.98 21	65.20 83	45.82 205
30.1	11.565 212	16.57 79	4.100 202	47.19 144	30.073 252	41.26 28	65.92 72	48.14 232
	182	80	172	149	217	35	58	252
6 9.0	11.747	15.77	4.272	48.68	30.290	41.61	66.50	50.66
19.0	11.895 148	15.01 76	4.410 138	50.16 148	30.469 179	42.03 42	66.94 44	53.33 267
28.9	12.005 110	14.29 72	4.511 101	51.59 143	30.604 135	42.51 48	67.23 29	56.09 276
	71	64	62	134	90	53	14	277
7 8.9	12.076	13.65	4.573	52.93	30.694	43.04	67.37	58.86
18.9	12.105 29	13.08 57	4.595 22	54.15 122	30.737 43	43.60 56	67.34 3	61.55 269
28.9	12.093 12	12.61 47	4.576 19	55.23 108	30.732 5	44.17 57	67.15 19	64.10 255
	51	37	57	92	51	55	33	232
8 7.9	12.042	12.24	4.519	56.15	30.681	44.72	66.82	66.42
17.9	11.955 87	11.95 29	4.427 92	56.89 74	30.588 93	45.23 51	66.35 47	68.43 201
27.8	11.837 118	11.75 20	4.306 121	57.45 56	30.459 129	45.67 44	65.76 59	70.06 163
	142	12	146	36	159	33	68	119
9 6.8	11.695	11.63	4.160	57.81	30.300	46.00	65.08	71.25
16.8	11.537 158	11.59 4	3.998 162	57.99 18	30.122 178	46.22 22	64.34 74	71.95 70
26.7	11.371 166	11.63 4	3.830 168	57.96 3	29.935 187	46.31 9	63.56 78	72.13 18
	162	12	166	23	184	5	76	35
10 6.7	11.209	11.75	3.664	57.73	29.751	46.26	62.80	71.78
16.7	11.060 149	11.95 20	3.510 154	57.30 43	29.580 171	46.08 18	62.07 73	70.89 89
26.7	10.934 126	12.23 28	3.379 131	56.66 64	29.434 146	45.78 30	61.42 65	69.51 138
	95	39	102	84	110	39	54	184
11 5.6	10.839	12.62	3.277	55.82	29.324	45.39	60.88	67.67
15.6	10.783 56	13.11 49	3.212 65	54.78 104	29.258 66	44.93 46	60.47 41	65.45 222
25.6	10.772 11	13.72 61	3.190 22	53.54 124	29.241 17	44.44 49	60.23 24	62.93 252
	34	71	24	141	36	49	7	273
12 5.6	10.806	14.43	3.214	52.13	29.277	43.95	60.16	60.20
15.5	10.888 82	15.25 82	3.283 69	50.58 155	29.366 89	43.49 46	60.27 11	57.37 283
25.5	11.016 128	16.16 91	3.397 114	48.93 165	29.508 142	43.08 41	60.56 29	54.53 284
35.5	11.185 169	17.13 97	3.552 155	47.22 171	29.698 190	42.74 34	61.02 46	51.78 275
中位	s 9.726	″ 8.29	s 2.329	″ 56.90	s 27.968	″ 35.88	s 59.322	″ 47.99
Sec&Tan δ	+1.015	−0.172	+1.001	+0.051	+1.160	−0.587	+4.104	−3.980
2回正中	6月 20日		6月 21日		6月 22日		6月 22日	
α δ	+0.1648	+0.0002	+0.1499	−0.0000	+0.1925	−0.0004	+0.4186	−0.0046
α′ δ′	−0.0168	+0.9999	−0.0086	+1.0000	+0.0108	+0.9999	+0.0174	+0.9999
FK3番号	673		677		679		678	

本初子午線正中時

星名	72 Ophi		o Herc		μ Sgtr		36 Drac	
等級 / スペクトル型	3.73	A3	3.83	A0	4.01	B8p	5.03	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 4	° ′ +9 32	h m 18 5	° ′ +28 44	h m 18 10	° ′ −21 4	h m 18 13	° ′ +64 22
	s	″	s	″	s	″	s	″
1 1.5	50.881	70.65	28.601	66.77	36.791	33.50	32.49	37.88
11.5	51.047 166	68.59 206	28.755 154	63.84 293	36.982 191	33.76 26	32.62 13	34.22 366
21.4	51.248 201	66.60 199	28.949 194	61.04 280	37.210 228	34.06 30	32.84 22	30.69 353
31.4	51.479 231	64.76 184	29.180 231	58.45 259	37.468 258	34.36 30	33.15 31	27.43 326
	254	163	260	227	283	30	38	288
2 10.4	51.733	63.13	29.440	56.18	37.751	34.66	33.53	24.55
20.3	52.006 273	61.78 135	29.724 284	54.31 187	38.051 300	34.91 25	33.98 45	22.15 240
	286	101	301	140	314	19	49	182
3 1.3	52.292	60.77	30.025	52.91	38.365	35.10	34.47	20.33
11.3	52.587 295	60.14 63	30.337 312	52.04 87	38.688 323	35.21 11	35.00 53	19.14 119
21.3	52.885 298	59.90 24	30.654 317	51.70 34	39.014 326	35.23 2	35.55 55	18.62 52
31.2	53.182 297	60.07 17	30.970 316	51.92 22	39.341 327	35.16 7	36.10 55	18.77 15
	292	54	310	74	323	16	54	81
4 10.2	53.474	60.61	31.280	52.66	39.664	35.00	36.64	19.58
20.2	53.758 284	61.50 89	31.579 299	53.88 122	39.980 316	34.78 22	37.14 50	21.00 142
30.2	54.028 270	62.70 120	31.860 281	55.54 166	40.284 304	34.51 27	37.61 47	22.97 197
	252	144	260	202	287	29	41	244
5 10.1	54.280	64.14	32.120	57.56	40.571	34.22	38.02	25.41
20.1	54.511 231	65.78 164	32.352 232	59.87 231	40.838 267	33.93 29	38.36 34	28.23 282
30.1	54.715 204	67.55 177	32.552 200	62.37 250	41.078 240	33.66 27	38.63 27	31.33 310
	173	183	165	263	209	23	19	329
6 9.0	54.888	69.38	32.717	65.00	41.287	33.43	38.82	34.62
19.0	55.027 139	71.22 184	32.842 125	67.66 266	41.461 174	33.26 17	38.93 11	38.00 338
28.9	55.128 101	73.01 179	32.924 82	70.29 263	41.595 134	33.16 10	38.95 2	41.36 336
	61	170	38	252	92	4	7	327
7 8.9	55.189	74.71	32.962	72.81	41.687	33.12	38.88	44.63
18.9	55.210 21	76.28 157	32.955 7	75.17 236	41.735 48	33.15 3	38.72 16	47.72 309
28.9	55.190 20	77.68 140	32.905 50	77.30 213	41.739 4	33.24 9	38.49 23	50.55 283
	59	121	92	186	40	13	31	252
8 7.9	55.131	78.89	32.813	79.16	41.699	33.37	38.18	53.07
17.9	55.037 94	79.88 99	32.683 130	80.71 155	41.619 80	33.52 15	37.80 38	55.21 214
27.8	54.911 126	80.64 76	32.520 163	81.92 121	41.505 114	33.68 16	37.37 43	56.92 171
	150	52	189	85	143	15	48	125
9 6.8	54.761	81.16	32.331	82.77	41.362	33.83	36.89	58.17
16.8	54.594 167	81.43 27	32.125 206	83.22 45	41.200 162	33.96 13	36.38 51	58.92 75
26.7	54.420 174	81.44 1	31.910 215	83.28 6	41.028 172	34.05 9	35.85 53	59.16 24
	174	25	213	35	171	5	53	30
10 6.7	54.246	81.19	31.697	82.93	40.857	34.10	35.32	58.86
16.7	54.084 162	80.68 51	31.495 202	82.18 75	40.698 159	34.12 2	34.81 51	58.03 83
26.7	53.943 141	79.90 78	31.314 181	81.01 117	40.560 138	34.10 2	34.32 49	56.67 136
	113	103	151	155	106	2	44	187
11 5.6	53.830	78.87	31.163	79.46	40.454	34.08	33.88	54.80
15.6	53.754 76	77.59 128	31.050 113	77.54 192	40.387 67	34.06 2	33.50 38	52.45 235
25.6	53.720 34	76.07 152	30.981 69	75.30 224	40.365 22	34.06 0	33.20 30	49.68 277
	10	171	21	253	27	4	22	315
12 5.6	53.730	74.36	30.960	72.77	40.392	34.10	32.98	46.53
15.5	53.786 56	72.48 188	30.989 29	70.03 274	40.467 75	34.19 9	32.85 13	43.12 341
25.5	53.886 100	70.49 199	31.068 79	67.15 288	40.591 124	34.34 15	32.82 3	39.52 360
35.5	54.030 144	68.45 204	31.195 127	64.23 292	40.759 168	34.55 21	32.89 7	35.86 366
中位	s 52.971	″ 77.93	s 30.737	″ 74.77	s 39.142	″ 27.47	s 35.746	″ 45.95
Sec&Tan δ	+1.014	+0.168	+1.141	+0.549	+1.072	−0.385	+2.313	+2.085
2回正中	6月 23日		6月 23日		6月 24日		6月 25日	
α δ	+0.1421	+0.0002	+0.1168	+0.0009	+0.1790	−0.0012	+0.0146	+0.0082
α′ δ′	+0.0213	+0.9998	+0.0241	+0.9997	+0.0465	+0.9989	+0.0593	+0.9982
FK3番号	680		681		682		685	

本初子午線正中時

星名	Grb 2533 Lyra		η Sgtr		δ Sgtr		ξ Pavo	
等級 / スペクトル型	5.42	B5	3.16	M3	2.84	K0	4.25	K2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 13	° ′ +42 8	h m 18 14	° ′ −36 46	h m 18 17	° ′ −29 51	h m 18 18	° ′ −61 31
1 1.5	s 59.289	″ 17.91	s 8.729	″ 50.99	s 37.355	″ 13.80	s 21.92	″ 17.84
11.5	59.425 136	14.56 335	3.944 215	50.27 72	37.553 198	13.49 31	22.22 30	15.73 211
21.4	59.613 188	11.35 321	4.202 258	49.64 63	37.790 237	13.23 26	22.60 38	13.76 197
31.4	59.846 233	8.37 298	4.495 293	49.10 54	38.061 271	13.02 21	23.04 44	12.00 176
	272	262	323	46	298	17	50	153
2 10.4	60.118	5.75	4.818	48.64	38.359	12.85	23.54	10.47
20.4	60.423 305	3.57 218	5.163 345	48.28 36	38.678 319	12.72 13	24.08 54	9.21 126
	328	165	361	28	334	12	58	97
3 1.3	60.751	1.92	5.524	48.00	39.012	12.60	24.66	8.24
11.3	61.097 346	0.85 107	5.896 372	47.80 20	39.356 344	12.49 11	25.25 59	7.57 67
21.3	61.451 354	0.39 46	6.274 378	47.68 12	39.706 350	12.38 11	25.86 61	7.21 36
31.2	61.807 356	0.56 77	6.652 378	47.62 6	40.057 351	12.27 11	26.47 61	7.15 6
	349	77	375	3	349	10	60	26
4 10.2	62.156	1.33	7.027	47.65	40.406	12.17	27.07	7.41
20.2	62.491 335	2.66 133	7.393 366	47.77 12	40.748 342	12.09 8	27.66 59	7.97 56
30.2	62.806 315	4.49 183	7.745 352	47.97 20	41.078 330	12.05 4	28.22 56	8.83 86
	288	226	334	31	313	0	52	114
5 10.1	63.094	6.75	8.079	48.28	41.391	12.06	28.74	9.97
20.1	63.349 255	9.35 260	8.389 310	48.70 42	41.683 292	12.12 7	29.23 49	11.37 140
30.1	63.564 215	12.20 285	8.668 279	49.22 52	41.947 264	12.26 14	29.66 43	13.01 164
	172	301	243	64	231	23	37	184
6 9.1	63.736	15.21	8.911	49.86	42.178	12.49	30.03	14.85
19.0	63.860 124	18.29 308	9.113 202	50.59 73	42.372 194	12.80 31	30.33 30	16.84 199
28.9	63.934 74	21.36 307	9.269 156	51.40 81	42.523 151	13.20 40	30.55 22	18.94 210
	22	296	107	87	105	46	14	216
7 8.9	63.956 −30	24.32	9.376	52.27	42.628	13.66	30.69	21.10
18.9	63.926 81	27.12 280	9.431 55	53.18 91	42.686 58	14.18 52	30.75 6	23.24 214
28.9	63.845	29.67 255	9.435 4	54.09 91	42.696 10	14.72 54	30.72 3	25.31 207
	130	226	46	87	37	55	11	193
8 7.9	63.715	31.93	9.389	54.96	42.659	15.27	30.61	27.24
17.9	63.543 172	33.84 191	9.296 93	55.76 80	42.578 81	15.80 53	30.42 19	28.95 171
27.8	63.333 210	35.37 153	9.162 134	56.44 68	42.459 119	16.27 47	30.17 25	30.39 144
	240	110	167	55	150	40	30	111
9 6.8	63.093	36.47	8.995	56.99	42.309	16.67	29.87	31.50
16.8	62.831 262	37.12 65	8.805 190	57.36 37	42.136 173	16.95 28	29.52 35	32.23 73
26.8	62.559 272	37.31 19	8.602 203	57.54 18	41.952 184	17.12 17	29.15 37	32.55 32
	273	30	202	2	185	4	36	11
10 6.7	62.286	37.01	8.400	57.52	41.767	17.16	28.79	32.44
16.7	62.023 263	36.24 77	8.210 190	57.30 22	41.593 174	17.06 10	28.44 35	31.89 55
26.7	61.782 241	34.99 125	8.045 165	56.90 40	41.441 152	16.85 21	28.12 32	30.93 96
	209	172	130	58	119	32	26	134
11 5.6	61.573	33.27	7.915	56.32	41.322	16.53	27.86	29.59
15.6	61.403 170	31.13 214	7.830 85	55.62 70	41.243 79	16.14 39	27.67 19	27.93 166
25.6	61.283 120	28.60 253	7.797 33	54.83 79	41.213 30	15.70 44	27.57 10	26.01 192
	68	286	23	85	20	46	2	211
12 5.6	61.215	25.74	7.820	53.98	41.233	15.24	27.55	23.90
15.5	61.204 11	22.63 311	7.900 80	53.12 86	41.306 73	14.78 46	27.62 7	21.68 222
25.5	61.251 47	19.35 328	8.035 135	52.28 84	41.431 125	14.36 42	27.79 17	19.44 224
35.5	61.354 103	16.01 334	8.222 187	51.50 78	41.603 172	13.99 37	28.05 26	17.23 221
平位	s 61.609	″ 25.92	s 6.434	″ 45.44	s 39.874	″ 7.93	s 26.107	″ 12.89
Sec & Tan δ	+1.349	+0.906	+1.249	−0.748	+1.153	−0.574	+2.097	−1.843
2回正中	6月25日		6月25日		6月26日		6月26日	
a b	+0.0931	+0.0037	+0.2031	−0.0031	+0.1915	−0.0030	+0.2758	−0.0099
a′ b′	+0.0612	+0.9981	+0.0615	+0.9981	+0.0770	+0.9970	+0.0804	+0.9968
FK3番号	684		683		687		686	

本初子午線正中時

星名	η Serp		ε Sgtr		109 Herc		†φ Drac m	
等級 / スペクトル型	3.42	K0	1.95	A0	3.92	K0	4.24	A0p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 18	° ′ −2 54	h m 18 20	° ′ −34 24	h m 18 21	° ′ +21 44	h m 18 21	° ′ +71 18
1 1.5	s 34.899	″ 57.14	s 40.602	″ 41.43	s 26.711	″ 33.64	s 26.11	″ 30.95
11.5	35.062 163	58.48 134	40.805 203	45.83 60	26.852 141	31.02 262	26.21 10	27.29 366
21.4	35.258 196	59.80 132	41.049 244	45.28 55	27.032 180	28.49 253	26.43 22	23.75 354
31.4	35.485 227	61.04 124	41.329 280	44.82 46	27.247 215	26.14 235	26.78 35	20.46 329
	251	111	310	41	243	209	46	294
2 10.4	35.736	62.15	41.639	44.41	27.490	24.05	27.24	17.52
20.4	36.005 269	63.06 91	41.970 331	44.08 33	27.757 267	22.31 174	27.79 55	15.05 247
	283	69	348	28	284	132	62	192
3 1.3	36.288	63.75	42.318	43.80	28.041	20.99	28.41	13.13
11.3	36.581 293	64.18 43	42.678 360	43.57 23	28.338 297	20.13 86	29.09 68	11.84 129
21.3	36.880 299	64.34 16	43.044 366	43.39 18	28.642 304	19.76 37	29.80 71	11.21 63
31.2	37.180 300	64.21 13	43.412 368	43.26 13	28.948 306	19.89 13	30.51 71	11.25 4
	298	39	366	7	304	61	70	70
4 10.2	37.478	63.82	43.778	43.19	29.252	20.50	31.21	11.95
20.2	37.769 291	63.18 64	44.138 360	43.18 1	29.548 296	21.56 106	31.87 66	13.27 132
30.2	38.050 281	62.34 84	44.484 346	43.25 7	29.831 283	23.02 146	32.47 60	15.15 188
	267	101	331	16	266	180	53	236
5 10.1	38.317	61.33	44.815	43.41	30.097	24.82	33.00	17.51
20.1	38.564 247	60.19 114	45.122 307	43.66 25	30.340 243	26.89 207	33.44 44	20.27 276
30.1	38.786 222	58.99 120	45.400 278	44.02 36	30.554 214	29.15 226	33.78 34	23.33 306
	194	123	244	46	183	237	23	326
6 9.1	38.980	57.76	45.644	44.48	30.737	31.52	34.01	26.59
19.0	39.140 160	56.55 121	45.849 205	45.04 56	30.883 146	33.95 243	34.13 12	29.96 337
28.9	39.264 124	55.39 116	46.009 160	45.69 65	30.989 106	36.35 240	34.13 0	33.34 338
	84	108	113	73	63	231	12	330
7 8.9	39.348	54.31	46.122	46.42	31.062	38.66	34.01	36.44
18.9	39.391 43	53.34 97	46.184 62	47.19 77	31.073 21	40.82 216	33.77 24	39.78 314
28.9	39.393 2	52.50 84	46.196 12	47.98 79	31.050 23	42.79 197	33.43 34	42.69 291
	39	70	38	77	64	174	44	260
8 7.9	39.354	51.80	46.158	48.75	30.986	44.53	32.99	45.29
17.9	39.277 77	51.24 56	46.075 83	49.48 73	30.883 103	45.99 146	32.46 53	47.53 224
27.8	39.168 109	50.83 41	45.950 125	50.12 64	30.747 136	47.16 117	31.86 61	49.36 183
	136	27	157	52	164	84	67	137
9 6.8	39.032	50.56	45.793	50.64	30.583	48.00	31.18	50.73
16.8	38.877 155	50.44 12	45.611 182	51.02 38	30.400 183	48.51 51	30.47 71	51.62 89
26.8	38.711 166	50.47 3	45.416 195	51.24 22	30.206 194	48.67 16	29.73 74	51.99 37
	166	17	196	4	195	21	75	16
10 6.7	38.545	50.64	45.220	51.28	30.011	48.46	28.98	51.83
16.7	38.389 156	50.96 32	45.035 185	51.13 15	29.824 187	47.90 56	28.25 73	51.14 69
26.7	38.251 138	51.43 47	44.873 162	50.83 30	29.655 169	46.97 93	27.56 69	49.92 122
	110	62	129	46	141	128	64	174
11 5.6	38.141	52.05	44.744	50.37	29.514	45.69	26.92	48.18
15.6	38.065 76	52.82 77	44.657 87	49.79 58	29.407 107	44.09 160	26.35 57	45.95 223
25.6	38.031 34	53.73 91	44.620 37	49.13 66	29.340 67	42.18 191	25.88 47	43.28 267
	9	106	16	71	22	218	37	306
12 5.6	38.040	54.79	44.636	48.42	29.318	40.00	25.51	40.22
15.5	38.094 54	55.96 117	44.708 72	47.69 73	29.343 25	37.61 239	25.26 25	36.87 335
25.5	38.192 98	57.22 126	44.833 125	46.98 71	29.415 72	35.08 253	25.14 12	33.33 354
35.5	38.332 140	58.53 131	45.009 176	46.31 67	29.531 116	32.49 259	25.16 2	29.69 364
平位	s 37.051	″ 50.10	s 43.234	″ 40.32	s 28.830	″ 41.21	s 30.232	″ 38.44
Sec & Tan δ	+1.001	−0.051	+1.212	−0.685	+1.077	+0.399	+3.121	+2.956
2回正中	6月26日		6月27日		6月27日		6月27日	
a b	+0.1567	−0.0003	+0.1988	−0.0041	+0.1269	+0.0025	−0.0429	+0.0185
a′ b′	+0.0811	+0.9967	+0.0903	+0.9959	+0.0936	+0.9956	+0.0937	+0.9956
FK3番号	688		689		690		693	

本初子午線正中時

星名	χ Drac		a Tele		十39 Drac		λ Sgtr	
等級 スペクトル型	3.69	F8	3.76	B3	4.85	A2	2.94	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 21	° ′ +72 42	h m 18 23	° ′ −45 59	h m 18 23	° ′ +58 45	h m 18 24	° ′ −25 27
	s	″	s	″	s	″	s	″
1 1.5	55.27	31.55	4.007	62.75	6.054	64.75	43.221	14.77
11.5	55.37 10	27.90 365	4.234 227	61.44 131	6.164 110	61.13 362	43.405 184	14.70 7
21.4	55.62 25	24.36 354	4.511 277	60.22 122	6.351 187	57.62 351	43.626 221	14.66 4
31.4	55.99 37	21.07 329	4.832 321	59.13 109	6.610 259	54.35 327	43.880 254	14.65 1
	49	294	357	95	322	291	281	1
2 10.4	56.48	18.13	5.189	58.18	6.932	51.44	44.161	14.64
20.4	57.07 59	15.66 247	5.574 385	57.38 80	7.308 376	48.99 245	44.463 302	14.63 1
	67	191	405	64	418	189	317	4
3 13	57.74	13.75	5.979	56.74	7.726	47.10	44.780	14.59
11.3	58.47 73	12.46 129	6.399 420	56.27 47	8.174 448	45.83 127	45.108 328	14.51 8
21.3	59.23 76	11.84 62	6.828 429	55.95 32	8.640 466	45.21 62	45.444 336	14.38 13
31.2	60.00 77	11.88 4	7.260 432	55.80 15	9.111 471	45.26 5	45.781 337	14.21 17
	75	70	429	3	463	71	337	21
4 10.2	60.75	12.58	7.689	55.83	9.574	45.97	46.118	14.00
20.2	61.45 70	13.89 131	8.109 420	56.03 20	10.017 443	47.29 132	46.449 331	13.77 23
30.2	62.10 65	15.77 188	8.515 406	56.42 39	10.428 411	49.17 188	46.770 321	13.54 23
	56	235	385	55	370	236	306	22
5 10.1	62.66	18.12	8.900	56.97	10.798	51.53	47.076	13.32
20.1	63.13 47	20.87 275	9.258 358	57.71 74	11.118 320	54.28 275	47.361 285	13.14 18
30.1	63.49 36	23.92 305	9.582 324	58.61 90	11.378 260	57.33 305	47.621 260	13.02 12
	24	325	282	106	196	325	229	5
6 9.1	63.73	27.17	9.864	59.67	11.574	60.58	47.850	12.97
19.0	63.84 11	30.52 335	10.100 236	60.86 119	11.701 127	63.94 336	48.044 194	13.00 3
29.0	63.83 1	33.89 337	10.283 183	62.16 130	11.755 54	67.30 336	48.197 153	13.11 11
	14	328	127	137	19	329	109	19
7 8.9	63.69	37.17	10.410	63.53	11.736	70.59	48.306	13.30
18.9	63.43 26	40.29 312	10.477 67	64.92 139	11.644 92	73.71 312	48.369 63	13.57 27
28.9	63.05 38	43.17 288	10.485 8	66.30 138	11.482 162	76.60 289	48.385 16	13.88 31
	48	258	50	131	228	259	29	36
8 7.9	62.57	45.75	10.435	67.61	11.254	79.19	48.356	14.24
17.9	61.99 58	47.97 222	10.330 105	68.81 120	10.967 287	81.41 222	48.284 72	14.60 36
27.8	61.33 66	49.78 181	10.178 162	69.84 103	10.629 338	83.23 182	48.195 109	14.95 35
	73	135	193	82	379	136	141	31
9 6.8	60.60	51.13	9.985	70.66	10.250	84.59	48.034	15.26
16.8	59.83 77	51.99 86	9.765 220	71.23 57	9.841 409	85.46 87	47.871 163	15.52 26
26.8	59.03 80	52.35 36	9.528 237	71.53 30	9.414 427	85.83 37	47.694 177	15.70 18
	81	18	239	0	430	16	177	9
10 6.7	58.22	52.17	9.289	71.53	8.984	85.67	47.517	15.79
16.7	57.43 79	51.46 71	9.062 227	71.24 29	8.564 420	84.98 69	47.348 169	15.80 1
26.7	56.68 75	50.22 124	8.861 201	70.67 57	8.168 396	83.77 121	47.200 148	15.73 7
	69	176	163	83	358	174	119	14
11 5.6	55.99	48.46	8.698	69.84	7.810	82.03	47.081	15.59
15.6	55.37 62	46.27 224	8.583 115	68.80 104	7.502 308	79.82 221	47.002 79	15.41 18
25.6	54.86 51	43.54 268	8.527 56	67.58 122	7.254 248	77.16 226	46.967 35	15.21 20
	40	306	6	134	177	303	13	21
12 5.6	54.46	40.48	8.533	66.24	7.077	74.13	46.980	15.00
15.5	54.19 27	37.13 335	8.604 71	64.84 140	6.976 101	70.81 332	47.044 64	14.80 20
25.5	54.06 13	33.58 355	8.738 134	63.43 141	6.956 20	67.29 352	47.156 112	14.64 16
35.5	54.07 1	29.95 363	8.933 195	62.05 138	7.016 60	63.68 361	47.315 159	14.52 12
平位	s 59.651	″ 39.11	s 7.051	″ 56.84	s 8.959	″ 72.32	s 45.646	″ 8.12
Sec δ Tan δ	+3.365	+3.213	+1.440	−1.036	+1.929	+1.649	+1.107	−0.476
2回正中	6月27日		6月27日		6月27日		6月28日	
a b	−0.0599	+0.0205	+0.2220	−0.0070	+0.0439	+0.0111	+0.1849	−0.0034
a′ b′	+0.0958	+0.9954	+0.1007	+0.9949	+0.1008	+0.9947	+0.1078	+0.9942
FK3番号	695		691		694		692	

本初子午線正中時

星名	r Scut		ϑ Cor A		Grb 2655 Drac		a Lyra	
等級 スペクトル型	4.73	A3	4.69	G5	5.84	K0	0.14	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 26	° ′ −14 36	h m 18 29	° ′ −42 21	h m 18 32	° ′ +77 30	h m 18 35	° ′ +38 43
	s	″	s	″	s	″	s	″
1 1.5	11.702	9.56	44.486	13.95	10.47	22.15	8.299	55.57
11.5	11.869 167	10.16 60	44.694 208	12.82 113	10.50 3	18.56 359	8.413 114	52.37 320
21.4	12.073 204	10.76 60	44.951 257	11.76 106	10.73 23	15.04 352	8.576 163	49.25 312
31.4	12.308 235	11.33 57	45.249 298	10.80 96	11.15 42	11.73 331	8.783 207	46.34 291
	259	50	332	85	58	298	247	261
2 10.4	12.567	11.83	45.581	9.95	11.73	8.75	9.030	43.73
20.4	12.846 279	12.24 41	45.939 358	9.21 74	12.47 74	6.20 255	9.309 279	41.52 221
	295	29	380	61	86	202	306	171
3 1.3	13.141	12.53	46.319	8.60	13.33	4.18	9.614	39.81
11.3	13.446 305	12.67 14	46.713 394	8.11 49	14.28 95	2.76 142	9.939 325	38.65 116
21.3	13.757 311	12.65 2	47.117 404	7.75 36	15.28 100	1.99 77	10.277 338	38.08 57
31.3	14.072 315	12.46 19	47.524 407	7.52 23	16.30 102	1.88 11	10.619 342	38.11 3
	313	32	407	9	101	53	342	62
4 10.2	14.385	12.14	47.931	7.43	17.31	2.41	10.961	38.73
20.2	14.694 309	11.68 46	48.331 400	7.48 5	18.26 95	3.57 116	11.294 333	39.91 118
30.2	14.993 299	11.11 57	48.719 388	7.68 20	19.13 87	5.30 173	11.612 318	41.59 168
	285	63	370	36	77	222	295	212
5 10.1	15.278	10.48	49.089	8.04	19.90	7.52	11.907	43.71
20.1	15.545 267	9.80 68	49.435 346	8.55 51	20.54 64	10.16 264	12.175 268	46.19 248
30.1	15.788 243	9.12 68	49.749 314	9.22 67	21.02 48	13.11 295	12.408 233	48.95 276
	213	66	277	83	33	318	194	293
6 9.1	16.001	8.46	50.026	10.05	21.35	16.29	12.602	51.88
19.0	16.182 181	7.85 61	50.259 233	11.00 95	21.50 15	19.61 332	12.752 150	54.92 304
29.0	16.324 142	7.31 54	50.443 184	12.07 107	21.48 2	22.96 335	12.854 102	57.96 304
	102	45	131	115	19	331	52	297
7 8.9	16.426	6.86	50.574	13.22	21.29	26.27	12.906	60.93
18.9	16.485 59	6.50 36	50.649 75	14.42 120	20.93 36	29.44 317	12.907 1	63.76 283
28.9	16.500 15	6.23 27	50.668 19	15.62 120	20.40 53	32.40 296	12.859 48	66.38 262
	28	18	37	117	67	268	97	236
8 7.9	16.472	6.05	50.631	16.79	19.73	35.08	12.762	68.74
17.9	16.405 67	5.94 11	50.542 89	17.87 108	18.93 80	37.43 235	12.620 142	70.77 203
27.8	16.303 102	5.91 3	50.406 136	18.82 95	18.01 92	39.39 196	12.440 180	72.44 167
	132	1	174	78	101	153	211	128
9 6.8	16.171	5.92	50.232	19.60	17.00	40.92	12.229	73.72
16.8	16.018 153	5.99 7	50.030 202	20.17 57	15.92 108	41.97 105	11.992 237	74.57 85
26.8	15.853 165	6.08 9	49.811 219	20.50 33	14.80 112	42.54 57	11.741 251	74.97 40
	167	13	223	8	114	3	254	6
10 6.7	15.686	6.21	49.588	20.58	13.66	42.57	11.487	74.91
16.7	15.528 158	6.36 15	49.375 213	20.39 19	12.53 113	42.09 48	11.239 248	74.38 53
26.7	15.388 140	6.54 18	49.185 190	19.96 43	11.45 108	41.07 102	11.008 231	73.39 99
	112	22	155	67	102	154	204	145
11 5.7	15.276	6.76	49.030	19.29	10.43	39.53	10.804	71.94
15.6	15.200 76	7.03 27	48.920 110	18.42 87	9.51 92	37.49 204	10.636 168	70.06 188
25.6	15.165 35	7.35 32	48.864 56	17.40 102	8.72 79	35.00 249	10.511 125	67.79 227
	10	39	7	113	65	289	76	261
12 5.6	15.175	7.74	48.865	16.27	8.07	32.11	10.435	65.18
15.5	15.232 57	8.19 45	48.927 62	15.07 120	7.60 47	28.90 321	10.411 24	62.29 289
25.5	15.334 102	8.70 51	49.049 122	13.86 121	7.32 28	25.47 343	10.442 37	59.21 308
35.5	15.479 145	9.26 56	49.228 179	12.67 119	7.22 10	21.91 356	10.525 83	56.03 318
平位	s 13.961	″ 2.57	s 47.367	″ 7.40	s 16.255	″ 28.82	s 10.597	″ 62.89
Sec δ Tan δ	+1.033	−0.260	+1.353	−0.912	+4.623	+4.514	+1.282	+0.802
2回正中	6月28日		6月29日		6月30日		6月30日	
a b	+0.1706	−0.0020	+0.2136	−0.0079	−0.1446	+0.0422	+0.1005	+0.0082
a′ b′	+0.1142	+0.9935	+0.1296	+0.9916	+0.1404	+0.9901	+0.1529	+0.9882
FK3番号	696		697		700		699	

本初子午線正中時

星名	Grb 2640 Drac		ζ Pavo		ε Scut		110 Herc	
等スペク級M型	6.00	A3	4.10	K0	5.09	G5	4.26	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 35	° ′ +65 26	h m 18 36	° ′ −71 28	h m 18 40	° ′ −8 19	h m 18 43	° ′ +20 29
	s	″	s	″	s	″	s	″
1 15	6000	2456	5241	4098	39090	4935	23204	3548
115	6007 7	2092 364	5277 36	3832 266	39237 147	5028 93	23323 119	3298 250
215	6024 17	1735 357	5324 47	3578 254	39420 183	5119 91	23481 158	3054 244
314	6050 26	1400 335	5382 58	3345 233	39634 214	5203 84	23675 194	2824 230
	35	303	67	208	240	79	224	206
2 104	6085	1097	5449	3137	39874	5278	23899	2618
204	6127 42	838 259	5524 75	2959 178	40135 261	5338 60	24148 249	2444 174
	49	205	80	145	279	43	270	135
3 13	6176	633	5604	2814	40414	5381	24418	2309
113	6228 52	489 144	5689 85	2705 109	40705 291	5402 21	24705 287	2218 91
213	6284 56	410 79	5776 87	2634 71	41005 300	5401 1	25002 297	2175 43/5
313	6341 57	398 12/55	5865 89	2601 33/6	41310 305	5378 23	25305 303	2180
	56		88		306	45	305	52
4 102	6397	453	5953	2607	41616	5333	25610	2232
202	6451 54	570 117	6039 86	2652 45	41920 304	5270 63	25911 301	2330 98
302	6501 50	746 176	6122 83	2734 82	42216 296	5189 81	26203 292	2468 138
	45	226	79	119	285	92	278	172
5 102	6546	972	6201	2853	42501	5097	26481	2640
201	6585 39	1240 268	6273 72	3005 152	42769 268	4996 101	26738 257	2841 201
301	6617 32	1541 301	6338 65	3187 182	43014 245	4891 105	26970 232	3062 221
	24	325	55	209	219	105	202	235
6 91	6641	1866	6393	3396	43233	4786	27172	3297
190	6656 15	2204 338	6438 45	3627 231	43419 186	4684 102	27339 167	3538 241
290	6662 6/3	2547 343	6472 34	3872 245	43568 149	4589 95	27467 128	3779 241
		337	22	255	110	86	86	233
7 89	6659	2884	6494	4127	43678	4503	27553	4012
189	6647 12	3209 325	6504 10/4	4384 257	43746 68	4428 75	27595 42/1	4233 221
289	6626 21	3512 303	6500	4634 250	43770 24/18	4365 63	27594	4436 203
	29	275	15	237		51	45	181
8 79	6597	3787	6485	4871	43752	4314	27549	4617
179	6561 36	4028 241	6458 27	5085 214	43694 58	4276 38	27464 85	4793 156
279	6518 43	4230 202	6420 38	5270 185	43601 93	4249 27	27343 121	4900 127
	48	157	46	148	125	15	151	97
9 68	6470	4387	6374	5418	43476	4234	27192	4997
168	6418 52	4497 110	6321 53	5524 106	43330 146	4229 5/4	27018 174	5061 64
268	6363 55	4556 59	6265 56	5582 58	43169 161	4233 15	26831 187	5091 30/5
	56	6	58	7	164		193	
10 67	6307	4562	6207	5589	43005	4248	26638	5086
167	6252 55	4514 48	6150 57	5546 43	42896 159	4271 23	26450 188	5046 40
267	6200 52	4412 102	6097 53	5452 94	42703 143	4303 32	26277 173	4971 75
	49	155	45	140	118	41	149	110
11 57	6151	4257	6052	5312	42585	4344	26128	4861
156	6108 43	4051 206	6015 37	5129 183	42499 86	4395 51	26009 119	4718 143
256	6072 36	3800 251	5990 25	4911 218	42452 47/5	4455 60	25928 81	4545 173
	28	293	12	246		70	39	200
12 56	6044	3507	5978	4666	42447	4525	25889	4345
155	6025 19	3183 324	5979 1/14	4403 263	42486 39/83	4604 79	25895 6/50	4123 222
255	6016 9/1	2834 349	5993 14	4130 273	42569 83	4689 85	25945 50	3884 239
			28		125		95	
355	6017	2475 359	6021	3857 273	42694	4778 89	26040	3638 246
平位 Sec&Tang	s 63441 +2406	″ 3125 +2188	s 58300 +3197	″ 3445 −2984	s 41282 +1011	″ 4177 −0146	s 25335 +1068	″ 4277 +0374
2回正中	7月 1日		7月 1日		7月 2日		7月 2日	
α b	+00092	+00229	+03497	−00320	+01629	−00017	+01289	+00047
α′ b′	+01567	+09877	+01606	+09870	+01766	+09843	+01883	+09821
FK3番号	701		698		702		703	

本初子午線正中時

星名	λ Pavo		β Lyra		o Drac		σ Sgtr	
等スペク級M型	4.42	B2	3.4-4.3	B8p, B2p	4.78	K0	2.14	B3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 16 47	° ′ −62 14	h m 18 48	° ′ +33 17	h m 18 50	° ′ +59 19	h m 18 52	° ′ −26 21
	s	″	s	″	s	″	s	″
1 15	2007	6738	2270	5732	23005	2151	0064	5555
115	2032 25	6508 230	7372 102	5431 301	23063 58	1793 358	0219 155	5530 25
215	2065 33	6286 222	7519 147	5137 294	23200 137	1439 354	0414 195	5507 23
314	2105 40	6080 206	7707 188	4859 278	23413 213	1103 336	0644 230	5484 23
	46	188	226	251	282	306	260	25
2 104	2151	5892	7933	4608	23695	797	0904	5459
204	2203 52	5727 165	8189 256	4394 214	24038 343	532 265	1188 284	5433 26
	55	139	283	169	393	214	304	29
3 13	2258	5588	8472	4225	24431	318	1492	5404
113	2317 59	5478 110	8775 303	4107 118	24863 432	162 156	1811 319	5371 33
213	2377 60	5397 81	9092 317	4046 62	25323 460	070 92	2142 331	5334 37
313	2439 62	5347 50	9417 325	4039 6/51	25797 474	044 26/41	2480 338	5293 41
		17	327		476		341	44
4 102	2501	5330	9744	4090	26273	085	2821	5249
202	2563 62	5344 14	10066 322	4194 104	26737 464	189 104	3161 340	5205 44
302	2622 59	5391 47	10398 312	4347 153	27177 440	351 162	3495 334	5161 44
	57	79	294	196	405	214	323	39
5 102	2679	5470	10672	4543	27582	565	3818	5122
201	2732 53	5578 108	10944 272	4774 231	27942 360	823 258	4125 307	5087 35
301	2780 48	5716 138	11185 241	5033 259	28247 305	1117 294	4408 283	5061 26
	43	162	206	277	243	319	255	17
6 91	2823	5878	11391	5310	28490	1436	4663	5044
190	2859 36	6062 184	11558 167	5598 288	28665 175	1771 335	4884 221	5038 6/6
290	2887 28	6263 201	11681 123	5888 290	28766 101	2113 342	5065 181	5044
	20	212	76	285	27	340	138	6
7 89	2907 11	6475 218	11757 28	6173 272	28793 49	2453 329	5203 91	5060 27
189	2918	6693 216	11785 21	6445 254	28744 122	2782 311	5294 42/5	5087 35
289	2920 2/6	6909 208	11764 67	6699 230	28622 193	3093 284	5336	5122 41
8 79	2914	7117	11697	6929	28429	3377	5331	5163
179	2899 15	7309 192	11586 111	7129 200	28172 257	3630 253	5281 50	5207 44
279	2877 22	7479 170	11436 150	7297 168	27857 315	3846 216	5189 92	5253 46
	29	140	183	130	363	172	127	43
9 68	2848	7619	11253	7427	27494	4018	5062	5296
168	2815 33	7723 104	11045 208	7519 92	27095 399	4145 127	4908 154	5335 39
268	2778 37	7788 65	10822 223	7569 50	26671 424	4222 77	4736 172	5366 31
	37	22	230	6	436	25	178	22
10 67	2741	7810	10592	7575	26235	4247	4558	5388
167	2703 38	7788 22	10365 227	7538 37	25801 434	4218 29	4384 174	5401 13
267	2669 34	7721 67	10153 212	7457 81	25385 416	4136 82	4225 159	5403 2/7
	30	108	188	124	387	136	134	
11 57	2639	7613	9965	7333	24998	4000	4091	5396
156	2615 24	7467 146	9808 157	7167 166	24655 343	3814 186	3992 99	5381 15
256	2599 16	7289 178	9691 117	6964 203	24367 288	3579 235	3934 58	5360 21
	7	204	73	238	223	278	12	25
12 56	2592	7085	9618	6726	24144	3303	3922	5335
156	2593 1/11	6864 221	9593 25/24	6462 264	23994 150	2992 311	3958 36/85	5307 28
355	2604 11	6632 232	9617	6177 285	23922 72/9	2655 337	4043	5280 27
	20	235	74	296		352	130	28
355	2624	6397	9691	5881	23931	2303	4173	5252
平位 Sec&Tang	s 24253 +2148	″ 5963 −1901	s 9506 +1196	″ 6420 +0657	s 26022 +1960	″ 2748 +1686	s 2480 +1116	″ 4735 −0496
2回正中	7月 3日		7月 4日		7月 4日		7月 5日	
α b	+02774	−00260	+01105	+00091	+00437	+00245	+01855	−00074
α′ b′	+02054	+09787	+02086	+09780	+02183	+09759	+02251	+09743
FK3番号	704		705		707		706	

本初子午線正中時

星名	ϑ Serp pr		R Lyra		λ Tele		ξ² Sgtr	
等級 スペクトル型	4.50	A5	4.0-4.5	M3	5.03	B9	3.61	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 53	° ′ +4 7	h m 18 53	° ′ +43 52	h m 18 54	° ′ −53 0	h m 18 54	° ′ −21 10
	s	″	s	″	s	″	s	″
1 1.5	35.890 123	56.51 161	42.658 82	29.65 331	15.048 202	40.25 184	35.330 146	44.77 8
11.5	36.013 160	54.90 158	42.740 136	28.34 326	15.250 263	38.41 180	35.476 185	44.85 7
21.5	36.173 191	53.32 149	42.876 186	23.08 309	15.513 317	36.61 170	35.661 218	44.92 5
31.4	36.364 220	51.83 132	43.062 232	19.99 282	15.830 365	34.91 157	35.879 247	44.97 1
2 10.4	36.584 242	50.51 109	43.294 271	17.17 242	16.195 402	33.34 140	36.126 271	44.98 4
20.4	36.826 262	49.42 83	43.565 305	14.75 195	16.597 435	31.94 122	36.397 290	44.94 12
3 1.4	37.088 277	48.59 50	43.870 331	12.80 139	17.032 459	30.72 103	36.687 306	44.82 21
11.3	37.365 288	48.09 17	44.201 349	11.41 80	17.491 477	29.69 80	36.993 317	44.61 30
21.3	37.653 296	47.92 17	44.550 360	10.61 18	17.968 487	28.89 58	37.310 324	44.31 39
31.3	37.949 299	48.09 51	44.910 363	10.43 44	18.455 491	28.31 33	37.634 328	43.92 48
4 10.2	38.248 298	48.60 83	45.273 358	10.87 102	18.946 488	27.98 9	37.962 327	43.44 53
20.2	38.546 291	49.43 110	45.631 345	11.89 158	19.434 478	27.89 17	38.289 322	42.91 58
30.2	38.837 282	50.53 134	45.976 324	13.47 205	19.912 461	28.06 42	38.611 312	42.33 59
5 10.2	39.119 266	51.87 150	46.300 295	15.52 246	20.373 433	28.48 68	38.923 297	41.74 57
20.1	39.385 244	53.37 164	46.595 260	17.98 278	20.806 399	29.16 93	39.220 274	41.17 52
30.1	39.629 217	55.01 169	46.855 219	20.76 300	21.205 355	30.09 115	39.494 248	40.65 45
6 9.1	39.846 187	56.70 171	47.074 172	23.76 315	21.560 305	31.24 135	39.742 214	40.20 37
19.1	40.033 150	58.41 167	47.246 121	26.91 320	21.865 246	32.59 152	39.956 177	39.83 26
29.0	40.183 111	60.08 159	47.367 68	30.11 317	22.111 182	34.11 165	40.133 135	39.57 15
7 8.9	40.294 69	61.67 148	47.435 12	33.28 306	22.293 115	35.76 173	40.268 89	39.42 4
18.9	40.363 26	63.15 132	47.447 42	36.34 287	22.408 45	37.49 176	40.357 44	39.38 5
28.9	40.389 76	64.47 115	47.405 96	39.21 263	22.453 25	39.25 172	40.401 3	39.43 14
8 7.9	40.373 56	65.62 97	47.309 145	41.84 231	22.428 91	40.97 161	40.398 46	39.57 20
17.9	40.317 92	66.59 77	47.164 188	44.15 197	22.337 151	42.58 146	40.352 87	39.77 25
27.9	40.225 123	67.36 56	46.976 226	46.12 157	22.186 203	44.04 124	40.265 120	40.02 27
9 6.8	40.102 146	67.92 35	46.750 255	47.69 114	21.983 243	45.28 96	40.145 147	40.29 27
16.8	39.956 162	68.27 14	46.495 273	48.83 68	21.740 270	46.24 64	39.998 165	40.56 25
26.8	39.794 168	68.41 8	46.222 282	49.51 20	21.470 281	46.88 30	39.833 171	40.81 21
10 6.8	39.626 165	68.33 28	45.940 280	49.71 29	21.189 278	47.18 7	39.662 167	41.02 17
16.7	39.461 151	68.05 49	45.660 266	49.42 79	20.911 257	47.11 43	39.495 153	41.19 12
26.7	39.310 130	67.56 70	45.394 282	48.63 127	20.654 222	46.68 79	39.342 129	41.31 8
11 5.7	39.180 100	66.86 91	45.152 208	47.36 174	20.432 174	45.89 110	39.213 97	41.39 4
15.6	39.080 64	65.95 109	44.944 166	45.62 218	20.258 115	44.79 137	39.116 57	41.43 3
25.6	39.016 24	64.86 127	44.778 118	43.44 256	20.143 49	43.42 159	39.059 13	41.46 2
12 5.6	38.992 17	63.59 141	44.660 44	40.88 288	20.094 22	41.83 176	39.046 32	41.48 2
15.6	39.009 60	62.18 152	44.596 8	38.00 311	20.116 93	40.07 184	39.078 79	41.50 4
25.5	39.069 101	60.66 158	44.588 50	34.89 325	20.209 163	38.23 188	39.157 123	41.54 4
35.5	39.170	59.08	44.638	31.64	20.372	36.35	39.280	41.58
中位	s 38.011	″ 64.16	s 45.082	″ 35.96	s 18.406	″ 31.80	s 37.657	″ 36.52
Sec δ Tan δ	+1.003	+0.072	+1.387	+0.962	+1.662	−1.327	+1.072	−0.387
2回正中	7月 5日		7月 5日		7月 5日		7月 5日	
a b	+0.1487	+0.0011	+0.0910	+0.0149	+0.2394	−0.0208	+0.1784	−0.0061
a′ b′	+0.2319	+0.9727	+0.2324	+0.9726	+0.2348	+0.9721	+0.2361	+0.9717
FK3番号	709		711		708		710	

本初子午線正中時

星名	υ Drac		γ Lyra		ε Aqil		† ζ Sgtr m	
等級 スペクトル型	4.91	K0	3.30	A0p	4.21	K0	2.71	A2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 18 54	° ′ +71 13	h m 18 56	° ′ +32 36	h m 18 57	° ′ +14 59	h m 18 59	° ′ −29 57
	s	″	s	″	s	″	s	″
1 1.5	58.12 0	36.02 359	57.573 92	54.75 296	13.549 110	39.25 219	15.772 152	31.75 50
11.5	58.12 12	32.43 358	57.665 137	51.79 291	13.659 148	37.06 215	15.924 193	31.25 49
21.5	58.34 26	28.85 342	57.802 179	48.88 275	13.807 182	34.91 202	16.117 230	30.76 49
31.4	58.50 37	25.43 314	57.981 216	46.13 251	13.989 212	32.89 182	16.347 261	30.27 48
2 10.4	58.87 47	22.29 275	58.197 248	43.62 215	14.201 237	31.07 155	16.608 287	29.79 48
20.4	59.34 56	19.54 225	58.445 275	41.47 171	14.438 259	29.52 119	16.895 309	29.31 48
3 1.4	59.90 63	17.29 168	58.720 297	39.76 122	14.697 276	28.33 81	17.204 326	28.83 50
11.3	60.53 68	15.61 104	59.017 312	38.54 67	14.973 288	27.52 37	17.530 339	28.33 50
21.3	61.21 71	14.57 38	59.329 322	37.87 10	15.261 297	27.15 7	17.869 347	27.83 50
31.3	61.92 70	14.19 29	59.651 325	37.77 45	15.558 301	27.22 49	18.216 352	27.33 49
4 10.2	62.62 69	14.48 92	59.976 324	38.22 99	15.859 300	27.71 91	18.568 353	26.84 46
20.2	63.31 65	15.40 153	60.300 314	39.21 148	16.159 294	28.62 128	18.921 347	26.38 42
30.2	63.96 59	16.93 206	60.614 298	40.69 191	16.453 282	29.90 159	19.268 337	25.96 34
5 10.2	64.55 51	18.99 251	60.912 277	42.60 226	16.735 265	31.49 185	19.605 320	25.62 26
20.1	65.06 42	21.50 289	61.189 248	44.86 255	17.000 243	33.34 203	19.925 298	25.36 15
30.1	65.48 32	24.39 316	61.437 215	47.41 275	17.243 215	35.37 216	20.223 269	25.21 3
6 9.1	65.80 21	27.55 335	61.652 176	50.16 286	17.458 182	37.53 222	20.492 234	25.18 10
19.1	66.01 9	30.90 344	61.828 133	53.02 290	17.640 145	39.75 221	20.726 194	25.28 23
29.0	66.10 2	34.34 344	61.961 86	55.92 285	17.785 105	41.96 214	20.920 149	25.51 35
7 8.9	66.08 14	37.78 335	62.047 39	58.77 274	17.890 61	44.10 202	21.069 101	25.86 45
18.9	65.94 26	41.13 319	62.086 10	61.51 257	17.951 18	46.12 186	21.170 51	26.31 55
28.9	65.68 36	44.31 294	62.076 57	64.08 233	17.969 25	47.98 166	21.221 1	26.86 60
8 7.9	65.32 46	47.25 264	62.019 102	66.41 206	17.944 65	49.64 144	21.222 46	27.46 62
17.9	64.86 54	49.89 227	61.917 141	68.47 173	17.879 103	51.08 118	21.176 89	28.08 62
27.9	64.32 62	52.16 186	61.776 175	70.20 137	17.776 134	52.26 90	21.087 128	28.70 58
9 6.8	63.70 68	54.02 140	61.601 201	71.57 98	17.642 158	53.16 62	20.959 156	29.28 50
16.8	63.02 71	55.42 91	61.400 218	72.55 58	17.484 173	53.78 32	20.803 176	29.78 40
26.8	62.31 74	56.33 39	61.182 227	73.13 15	17.311 181	54.10 1	20.627 184	30.18 27
10 6.8	61.57 73	56.72 15	60.955 224	73.28 28	17.130 176	54.11 29	20.443 182	30.45 14
16.7	60.84 72	56.57 69	60.731 211	73.00 72	16.952 166	53.82 60	20.261 167	30.59 0
26.7	60.12 68	55.88 124	60.520 190	72.28 115	16.786 145	53.22 90	20.094 142	30.59 14
11 5.7	59.44 62	54.64 177	60.330 159	71.13 156	16.641 116	52.32 119	19.952 109	30.45 26
15.6	58.82 53	52.87 225	60.171 122	69.57 194	16.525 80	51.13 146	19.843 66	30.19 35
25.6	58.29 45	50.62 270	60.049 78	67.63 229	16.445 41	49.67 171	19.777 20	29.84 43
12 5.6	57.84 33	47.92 306	59.971 32	65.34 257	16.404 1	47.96 192	19.757 29	29.41 49
15.6	57.51 21	44.86 335	59.939 16	62.77 278	16.405 44	46.04 206	19.786 78	28.92 51
25.5	57.30 9	41.51 352	59.955 65	59.99 290	16.449 87	43.98 214	19.844 126	28.41 52
35.5	57.21	37.99	60.020	57.09	16.536	41.84	19.990	27.89
中位	s 62.400	″ 41.30	s 59.806	″ 61.37	s 15.666	″ 46.55	s 18.248	″ 23.09
Sec δ Tan δ	+3.107	+2.942	+1.187	+0.640	+1.035	+0.268	+1.154	−0.576
2回正中	7月 5日		7月 6日		7月 6日		7月 6日	
a b	−0.0972	+0.0467	+0.1120	+0.0185	+0.1360	+0.0044	+0.1905	−0.0098
a′ b′	+0.2379	+0.9713	+0.2461	+0.9692	+0.2473	+0.9690	+0.2559	+0.9667
FK3番号	714		713		712		715	

本初子午線正中時

星名	ζ Aql		λ Aql		ι Lyra		α CorA	
等級 / スペクトル型	3.02	A0	3.55	B9	5.13	B5	4.12	A2
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	19h 2m	+13° 46′	19h 3m	−4° 57′	19h 5m	+36° 0′	19h 5m	−37° 59′
1 15	59s.015	57″.85	27s.159	51″.65	24s.374	57″.18	53s.523	23″.94
115	59.121 106	55.74 211	27.280 121	52.71 106	24.452 78	54.13 305	53.678 155	22.92 102
215	59.264 143	53.67 207	27.438 158	53.73 102	24.577 125	51.12 301	53.879 201	21.92 100
314	59.441 177	51.71 196	27.628 190	54.69 96	24.747 170	48.29 288	54.121 242	20.93 99
	207	177	218	84	210	262	278	94
2 104	59.648	49.94	27.846	55.53	24.957	45.62	54.399	19.99
204	59.881 233	48.45 149	28.087 241	56.20 67	25.201 244	43.34 228	54.706 307	19.09 90
	255	116	282	46	275	184	332	84
3 14	60.136	47.29	28.349	56.66	25.476	41.50	55.038	18.25
113	60.409 273	46.51 78	28.626 277	56.89 23	25.775 299	40.17 133	55.391 353	17.47 78
213	60.695 286	46.15 36	28.916 290	56.86 3	26.092 317	39.39 78	55.758 367	16.76 71
313	60.990 295	46.21 6	29.214 298	56.58 28	26.421 329	39.19 20	56.136 378	16.13 63
	300	49	303	54	335	38	384	54
4 102	61.290	46.70	29.517	56.04	26.756	39.57	56.520	15.59
202	61.591 301	47.59 89	29.822 305	55.28 76	27.090 334	40.51 94	56.906 386	15.16 43
302	61.886 295	48.84 125	30.122 300	54.33 95	27.415 326	41.96 145	57.286 380	14.86 30
	285	157	292	111	310	191	370	16
5 102	62.171	50.41	30.414	53.22	27.725	43.87	57.656	14.70
201	62.440 269	52.22 181	30.691 277	52.00 122	28.013 288	46.17 230	58.009 353	14.69 1
301	62.687 247	54.22 200	30.949 258	50.71 129	28.272 259	48.76 259	58.337 328	14.86 17
	220	211	232	130	225	283	299	33
6 91	62.907	56.33	31.181	49.41	28.497	51.59	58.636	15.19
191	63.095 188	58.51 218	31.384 203	48.13 128	28.681 184	54.55 296	58.896 260	15.69 50
290	63.244 151	60.67 216	31.550 166	46.92 121	28.821 140	57.56 301	59.112 216	16.34 65
	111	210	128	112	92	299	168	80
7 89	63.357	62.77	31.678	45.80	28.913	60.55	59.280	17.14
189	63.425 68	64.76 199	31.763 85	44.79 101	28.955 42	63.44 289	59.395 115	18.05 91
289	63.450 25	66.59 183	31.805 42	43.92 87	28.997 8	66.16 272	59.456 61	19.03 98
	19	163	1	72	57	249	5	103
8 79	63.431	68.22	31.804	43.20	28.890	68.65	59.461	20.06
179	63.372 59	69.63 141	31.762 42	42.63 57	28.786 104	70.87 222	59.415 46	21.07 101
279	63.275 97	70.80 117	31.682 80	42.20 43	28.641 145	72.76 189	59.320 95	22.04 97
	128	89	113	27	182	152	137	88
9 68	63.147	71.69	31.569	42.93	28.459	74.28	59.183	22.92
168	62.993 154	72.31 62	31.431 138	43.79 14	28.249 210	75.41 113	59.012 171	23.65 73
268	62.823 170	72.64 33	31.276 155	44.79 0	28.021 228	76.12 71	58.819 193	24.21 56
	178	4	163	73	239	27	204	36
10 68	62.645	72.68	31.113	45.92	27.782	76.39	58.615	24.57
167	62.469 176	72.42 26	30.953 160	47.16 24	27.544 238	76.21 78	58.413 202	24.71 14
267	62.304 165	71.87 55	30.804 149	48.53 37	27.317 227	75.57 64	58.224 189	24.43 8
	145	85	128	49	206	110	163	30
11 57	62.159	71.02	30.676	49.92	27.111	74.47	58.061	24.33
157	62.043 116	69.88 114	30.576 100	51.62 60	26.934 177	72.95 152	57.934 127	23.82 51
256	61.960 83	68.49 139	30.512 64	53.33 71	26.794 140	71.01 194	57.851 83	23.14 68
	43	163	25	82	97	230	33	82
12 56	61.917	66.86	30.487	55.15	26.697	68.71	57.818	22.32
156	61.915 2	65.03 183	30.504 17	56.97 92	26.648 49	66.10 261	57.838 20	21.39 93
255	61.955 40	63.05 198	30.562 58	58.70 98	26.647 1	63.26 284	57.912 74	20.40 99
355	62.038 83	60.98 207	30.662 100	60.07 102	26.697 50	60.28 298	58.038 126	19.36 104
平均	61s.129	65″.16	29s.313	43″.54	26s.658	63″.35	58s.187	14″.70
Sec δ Tan δ	+1.030	+0.205	+1.004	−0.087	+1.236	+0.727	+1.269	−0.781
2回正中	7月 7日		7月 8日		7月 8日		7月 8日	
a b	+0.1376	+0.0044	+0.1589	−0.0016	+0.1068	+0.0137	+0.2033	−0.0148
a′ b′	+0.2715	+0.9624	+0.2735	+0.9619	+0.2817	+0.9595	+0.2838	+0.9589
FK3番号	716		717		719		718	

本初子午線正中時

星名	π Sgtr		†60G Pavo m		δ Drac		ϑ Lyra	
等級 / スペクトル型	3.02	F2	5.57	A2	3.24	K0	4.46	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	19h 6m	−21° 6′	19h 11m	−66° 45′	19h 12m	+67° 33′	19h 14m	+38° 1′
1 15	38s.001	37″.93	5s.446	23″.86	29s.02	68″.11	31s.372	78″.44
115	38.135 134	37.96 3	5.468 22	21.26 260	28.99 3	64.56 355	31.436 64	75.37 307
215	38.307 172	37.99 3	5.499 31	18.69 259	29.07 8	61.00 356	31.549 113	72.30 307
314	38.514 207	37.98 7	5.540 41	16.23 246	29.26 19	57.54 346	31.708 159	69.36 294
	236	5	48	230	29	322	201	271
2 104	38.750	37.93	5.588	13.93	29.55	54.32	31.909	66.65
204	39.011 261	37.82 11	5.643 55	11.85 208	29.93 38	51.46 286	32.148 239	64.28 237
	262	20	61	183	46	239	271	193
3 14	39.293	37.62	5.704	10.02	30.39	49.07	32.419	62.35
113	39.592 299	37.33 29	5.769 65	8.48 154	30.91 52	47.23 184	32.717 298	60.92 143
213	39.904 312	36.95 38	5.838 69	7.26 122	31.48 57	46.01 122	33.036 319	60.05 87
313	40.226 322	36.47 48	5.908 70	6.37 89	32.08 60	45.44 57	33.369 333	59.76 29
	327	57	72	53	61	9	341	30
4 103	40.553	35.90	5.980	5.84	32.69	45.53	33.710	60.06
202	40.882 329	35.28 62	6.052 72	5.67 17	33.29 60	46.28 75	34.051 341	60.93 87
302	41.207 325	34.62 66	6.123 71	5.87 20	33.86 57	47.64 136	34.385 334	62.33 140
	318	68	68	56	54	191	320	188
5 102	41.525	33.94	6.191	6.43	34.40	49.55	34.705	64.21
201	41.828 303	33.29 65	6.255 64	7.35 92	34.88 48	51.95 240	35.003 298	66.49 228
301	42.110 282	32.69 60	6.314 59	8.61 126	35.28 40	54.75 280	35.273 270	69.10 261
	257	52	53	156	33	311	235	285
6 91	42.367	32.17	6.367	10.17	35.61	57.86	35.508	71.95
191	42.592 225	31.74 43	6.413 46	12.01 184	35.85 24	61.19 333	35.703 195	74.95 300
290	42.780 188	31.42 32	6.449 36	14.08 207	35.99 14	64.65 346	35.852 149	78.03 308
	146	19	28	223	5	349	101	307
7 90	42.926	31.23	6.477	16.31	36.04 −6	68.14	35.953	81.10
189	43.027 101	31.15 8	6.494 17	18.65 234	35.98 16	71.57 343	36.002 49	84.09 299
289	43.082 55	31.18 3	6.501 7	21.02 237	35.82 25	74.88 331	36.000 2	86.92 283
	8	13	4	232		309	54	262
8 79	43.090 −36	31.31	6.497	23.34	35.57	77.97	35.946	89.54
179	43.054 78	31.52 21	6.484 13	25.55 221	35.24 33	80.79 282	35.845 101	91.88 234
279	42.976 114	31.78 26	6.461 23	27.54 199	34.82 42	83.27 248	35.700 145	93.90 202
		30	31	172	48	208	182	166
9 68	42.862	32.08	6.430	29.26	34.34 54	85.35	35.518	95.56
168	42.721 141	32.38 30	6.392 38	30.63 137	33.80 57	86.99 164	35.305 213	96.82 126
268	42.560 161	32.67 29	6.349 43	31.60 97	33.23 60	88.15 116	35.071 234	97.66 84
	169	26	45	50		64	246	38
10 68	42.391	32.93	6.304	32.10	32.63	88.79	34.825	98.04
167	42.223 168	33.14 21	6.258 46	32.13 −3	32.02 61	88.90 11	34.579 246	97.97 −7
267	42.067 156	33.30 16	6.216 42	31.68 45	31.42 60	88.46 44	34.341 238	97.43 54
	134	12	40	93	56	100	218	100
11 57	41.933	33.42	6.176	30.75	30.86	87.46	34.123	96.43
157	41.829 104	33.49 7	6.143 33	29.38 137	30.33 53	85.93 153	33.932 191	94.97 146
256	41.764 65	33.54 5	6.118 25	27.61 177	29.88 45	83.89 204	33.778 154	93.09 188
	24	3	15	209	39	251	112	227
12 56	41.740 −21	33.57 1	6.103	25.52	29.49	81.38	33.666	90.82
156	41.761 21	33.58 2	6.097 6	23.17 235	29.20 29	78.46 292	33.601 65	88.23 259
255	41.827 66	33.60 2	6.102 5	20.65 252	29.00 20	75.23 323	33.585 16	85.39 284
355	41.938 111	33.62 2	6.118 16	18.04 261	28.91 9	71.79 344	33.620 35	82.39 300
平均	40s.311	29″.10	5s.138	13″.81	32s.808	72″.35	33s.693	84″.15
Sec δ Tan δ	+1.072	−0.386	+2.533	−2.328	+2.621	+2.423	+1.270	+0.782
2回正中	7月 8日		7月 10日		7月 10日		7月 10日	
a b	+0.1780	−0.0074	+0.3009	−0.0480	−0.0002	+0.0503	+0.1039	+0.0167
a′ b′	+0.2868	+0.9580	+0.3090	+0.9511	+0.3113	+0.9503	+0.3196	+0.9476
FK3番号	720		721		723		724	

本初子午線正中時

星名	43 Sgtr		ω Aqil		κ Cygn		τ Drac	
等級	5.03		5.14		3.98		4.63	
スペクトル型	K0		A5		K0		K0	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 19 14	° ′ -19 2	h m 19 15	° ′ +11 29	h m 19 15	° ′ +53 15	h m 19 16	° ′ +73 15
	s	″	s	″	s	″	s	″
1 1.5	33.301 123	59.12 14	20.358 95	53.66 195	51.275 30	73.80 342	29.02 9	30.82 351
11.5	33.424 162	58.26 12	20.453 132	51.71 192	51.305 97	70.38 343	28.93 5	27.31 355
21.5	33.586 195	59.38 8	20.585 167	49.79 181	51.402 161	66.95 332	28.98 20	23.76 346
31.4	33.781 226	59.46 2	20.752 197	47.98 164	51.563 221	63.63 307	29.18 33	20.30 324
2 10.4	34.007	59.48 7	20.949 224	46.34 140	51.784 275	60.56 273	29.51 46	17.06 290
20.4	34.258 272	59.41 16	21.173 246	44.94 107	52.059 321	57.83 225	29.97 57	14.16 245
3 1.4	34.530 291	59.25 27	21.419 265	43.87 72	52.380 361	55.58 172	30.54 66	11.71 191
11.3	34.821 304	58.98 40	21.684 281	43.15 33	52.741 390	53.86 112	31.20 72	9.80 130
21.3	35.125 316	58.58 51	21.965 292	42.82 8	53.131 409	52.74 47	31.92 76	8.50 66
31.3	35.441 322	58.07 62	22.257 298	42.90 49	53.540 419	52.27 17	32.68 78	7.84 0
4 10.3	35.763 325	57.45 70	22.555 301	43.39 87	53.959 417	52.44 80	33.46 77	7.84 65
20.2	36.088 323	56.75 76	22.856 298	44.26 121	54.376 405	53.24 139	34.23 74	8.49 126
30.2	36.411 316	55.99 78	23.154 290	45.47 151	54.781 384	54.63 193	34.97 68	9.75 183
5 10.2	36.727 303	55.21 78	23.444 276	46.98 176	55.165 352	56.56 240	35.65 60	11.58 232
20.1	37.030 284	54.43 74	23.720 256	48.74 193	55.517 311	58.96 277	36.25 51	13.90 273
30.1	37.314 259	53.69 67	23.976 231	50.67 204	55.828 262	61.73 307	36.76 41	16.63 306
6 9.1	37.573 229	53.02 58	24.207 199	52.71 211	56.090 208	64.80 327	37.17 28	19.69 329
19.1	37.802 192	52.44 47	24.406 164	54.82 209	56.298 147	68.07 339	37.45 16	22.98 343
29.0	37.994 151	51.97 35	24.570 125	56.91 203	56.445 84	71.46 340	37.61 2	26.41 347
7 9.0	38.145 108	51.62 22	24.695 82	58.94 192	56.529 18	74.86 334	37.63 10	29.88 345
18.9	38.253 61	51.40 10	24.777 38	60.86 177	56.547 48	78.20 319	37.53 23	33.33 332
28.9	38.314 15	51.30 1	24.815 5	62.63 158	56.499 112	81.39 298	37.30 36	36.65 313
8 7.9	38.329 30	51.31 11	24.810 47	64.21 138	56.387 170	84.37 271	36.94 47	39.78 287
17.9	38.299 71	51.42 18	24.763 84	65.59 113	56.217 226	87.08 236	36.47 57	42.65 254
27.9	38.228 108	51.60 23	24.679 119	66.72 88	55.991 272	89.44 197	35.90 66	45.19 216
9 6.8	38.120 136	51.83 27	24.560 144	67.60 63	55.719 309	91.41 154	35.24 73	47.35 173
16.8	37.984 156	52.10 27	24.416 163	68.23 35	55.410 337	92.95 107	34.51 78	49.08 126
26.8	37.828 166	52.37 27	24.253 173	68.58 8	55.073 352	94.02 57	33.73 82	50.34 75
10 6.8	37.662 166	52.64 24	24.080 172	68.66 20	54.721 355	94.59 5	32.91 83	51.09 22
16.7	37.496 155	52.88 21	23.908 163	68.46 47	54.366 347	94.64 48	32.08 82	51.31 33
26.7	37.341 135	53.09 19	23.745 145	67.99 75	54.019 325	94.16 100	31.26 79	50.98 88
11 5.7	37.206 107	53.28 16	23.600 119	67.24 100	53.694 293	93.16 153	30.47 73	50.10 143
15.7	37.099 70	53.44 14	23.481 87	66.24 126	53.401 250	91.63 201	29.74 66	48.67 194
25.6	37.029 30	53.58 13	23.394 49	64.98 148	53.151 198	89.62 245	29.08 56	46.73 242
12 5.6	36.999 13	53.71 13	23.345 10	63.50 167	52.953 140	87.17 284	28.52 45	44.31 284
15.6	37.012 58	53.84 12	23.335 32	61.83 181	52.813 76	84.33 313	28.07 32	41.47 316
25.5	37.070 100	53.96 12	23.367 73	60.02 190	52.737 10	81.20 333	27.75 18	38.31 340
35.5	37.170	54.08	23.440	58.12	52.727	77.87	27.57	34.91
中位	s 35.569	″ 50.03	s 22.463	″ 61.03	s 54.022	″ 78.55	s 33.781	″ 34.54
Sec δ tan δ	+1.058	-0.346	+1.020	+0.203	+1.672	+1.340	+3.472	+3.324
2回正中	7月10日		7月11日		7月11日		7月11日	
a b	+0.1751	-0.0074	+0.1405	+0.0044	+0.0688	+0.0291	-0.0561	+0.0727
a′ b′	+0.3198	+0.9475	+0.3230	+0.9464	+0.3252	+0.9457	+0.3279	+0.9447
FK3番号	722		725		726		729	

本初子午線正中時

星名	υ Sgtr		α Sgtr		δ Aqil		186 G. Sgtr	
等級	4.58		4.11		3.44		5.68	
スペクトル型	B8pF2p		B8		F0		B9	
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 19 18	° ′ -16 3	h m 19 20	° ′ -40 42	h m 19 22	° ′ +3 0	h m 19 23	° ′ -29 50
	s	″	s	″	s	″	s	″
1 1.5	42.725 117	24.47 32	14.463 140	66.76 123	50.441 96	26.72 145	36.993 125	62.16 56
11.5	42.842 154	24.79 29	14.603 189	65.53 123	50.537 132	25.27 143	37.118 166	61.60 59
21.5	42.996 187	25.08 24	14.792 232	64.30 123	50.669 166	23.84 134	37.284 203	61.01 62
31.5	43.183 218	25.32 17	15.024 271	63.07 119	50.835 195	22.50 120	37.487 237	60.39 63
2 10.4	43.401 242	25.49 6	15.295 304	61.88 115	51.030 221	21.30 99	37.724 266	59.76 65
20.4	43.643 265	25.55 6	15.599 331	60.73 108	51.251 244	20.31 73	37.990 290	59.11 68
3 1.4	43.908 282	25.49 28	15.930 355	59.65 101	51.495 262	19.58 44	38.280 311	58.43 70
11.3	44.190 298	25.29 35	16.285 373	58.64 92	51.757 278	19.14 11	38.591 327	57.73 72
21.3	44.488 309	24.94 50	16.658 387	57.72 82	52.035 290	19.03 22	38.918 340	57.01 72
31.3	44.797 316	24.44 63	17.045 396	56.90 70	52.325 298	19.25 54	39.258 350	56.29 72
4 10.3	45.113 320	23.81 75	17.441 400	56.20 56	52.623 302	19.79 85	39.608 353	55.57 69
20.2	45.433 318	23.06 84	17.841 397	55.64 40	52.925 301	20.64 112	39.961 353	54.88 64
30.2	45.751 312	22.22 89	18.238 389	55.24 24	53.226 294	21.76 135	40.314 347	54.24 56
5 10.2	46.063 300	21.33 91	18.627 374	55.00 5	53.520 283	23.11 153	40.661 333	53.68 47
20.2	46.363 282	20.42 89	19.001 350	54.95 15	53.803 264	24.64 165	40.994 315	53.21 34
30.1	46.645 257	19.53 84	19.351 320	55.10 35	54.067 241	26.29 173	41.309 288	52.87 20
6 9.1	46.902 228	18.69 76	19.671 283	55.45 55	54.308 211	28.02 173	41.597 257	52.67 5
19.1	47.130 192	17.93 66	19.954 239	56.00 73	54.519 178	29.75 171	41.854 217	52.62 10
29.0	47.322 152	17.27 54	20.193 189	56.73 89	54.697 138	31.46 162	42.071 174	52.72 25
7 9.0	47.474 109	16.73 41	20.382 134	57.62 103	54.835 97	33.08 151	42.245 126	52.97 39
18.9	47.583 63	16.32 28	20.516 78	58.65 112	54.932 54	34.59 136	42.371 77	53.36 51
28.9	47.646 18	16.04 16	20.594 21	59.77 118	54.986 10	35.95 119	42.448 25	53.87 60
8 7.9	47.664 27	15.88 4	20.615 35	60.95 118	54.996 32	37.14 101	42.473 24	54.47 66
17.9	47.637 67	15.84 5	20.580 87	62.13 114	54.964 70	38.15 81	42.449 69	55.13 68
27.9	47.570 104	15.89 13	20.493 132	63.27 104	54.894 105	38.96 61	42.380 111	55.81 66
9 6.9	47.466 137	16.02 18	20.361 169	64.31 90	54.789 137	39.57 40	42.269 143	56.47 61
16.8	47.334 152	16.20 23	20.192 196	65.21 71	54.657 151	39.97 20	42.126 166	57.08 53
26.8	47.182 163	16.43 24	19.996 211	65.92 48	54.506 162	40.17 0	41.960 180	57.61 41
10 6.8	47.019 164	16.67 25	19.785 213	66.40 25	54.344 163	40.17 20	41.780 182	58.02 28
16.7	46.855 153	16.92 26	19.572 201	66.65 2	54.181 154	39.97 40	41.598 172	58.30 14
26.7	46.702 135	17.18 26	19.371 178	66.63 26	54.027 138	39.57 59	41.426 152	58.44 7
11 5.7	46.567 107	17.44 25	19.193 145	66.37 51	53.889 112	38.98 77	41.274 122	58.43 15
15.7	46.460 72	17.69 27	19.048 101	65.86 73	53.777 81	38.21 96	41.152 85	58.28 28
25.6	46.388 33	17.96 27	18.947 52	65.13 90	53.696 45	37.25 111	41.067 41	58.00 38
12 5.6	46.355 9	18.23 29	18.895 2	64.23 105	53.651 5	36.14 125	41.026 4	57.62 46
15.6	46.360 52	18.52 30	18.897 57	63.18 116	53.666 35	34.89 135	41.030 52	57.16 53
25.6	46.416 94	18.82 29	18.954 110	62.02 123	53.681 74	33.54 142	41.082 99	56.63 57
35.5	46.510	19.11	19.064	60.79	53.755	32.12	41.181	56.06
中位	s 44.952	″ 15.37	s 17.172	″ 56.44	s 52.544	″ 34.68	s 39.415	″ 52.10
Sec δ tan δ	+1.041	-0.288	+1.319	-0.861	+1.001	+0.853	+1.153	-0.574
2回正中	7月11日		7月12日		7月12日		7月13日	
a b	+0.1714	-0.0065	+0.2072	-0.0197	+0.1501	+0.0012	+0.1891	-0.0137
a′ b′	+0.3369	+0.9416	+0.3432	+0.9393	+0.3538	+0.9353	+0.3570	+0.9341
FK3番号	727		728		730		731	

本初子午線正中時

星名	Grb 2900 Drdc			
等級 スペクトル型	6.00		A2	
世界時 月 日	赤經		赤緯	
	19h 24m		+79° 29′	
	s		″	
1 1.5	45.10	26	58.56	342
11.5	44.84	$\underline{2}$	55.14	349
21.5	44.82	20	51.65	343
31.5	45.02	43	48.22	326
2 10.4	45.45	64	44.98	294
20.4	46.09	82	42.02	252
3 1.4	46.91	97	39.50	202
11.3	47.88	108	37.48	143
21.3	48.96	116	36.05	80
31.3	50.12	119	35.25	16
4 10.3	51.31	118	35.09	$\overline{48}$
20.2	52.49	112	35.57	110
30.2	53.61	104	36.67	167
5 10.2	54.65	93	38.34	216
20.2	55.58	77	40.50	259
30.1	56.35	60	43.09	294
6 9.1	56.95	42	46.03	318
19.1	57.37	21	49.21	336
29.0	57.58	2	52.57	342
7 9.0	57.60	$\overline{19}$	55.99	342
18.9	57.41	39	59.41	333
28.9	57.02	59	62.74	316
8 7.9	56.43	75	65.90	293
17.9	55.68	92	68.83	263
27.9	54.76	106	71.46	227
9 6.9	53.70	117	73.73	186
16.8	52.53	127	75.59	141
26.8	51.26	132	77.00	92
10 6.8	49.94	135	77.92	$\underline{41}$
16.7	48.59	134	78.33	14
26.7	47.25	131	78.19	68
11 5.7	45.94	123	77.51	123
15.7	44.71	113	76.28	175
25.6	43.58	98	74.53	224
12 5.6	42.60	81	72.29	267
15.6	41.79	62	69.62	303
25.6	41.17	40	66.59	329
35.5	40.77		63.30	
平位	s 52.186		″ 61.43	
Secδ, Tanδ	+5.487		+5.396	
2回正中	7月13日			
a b	−0.1820		+0.1302	
a′ b′	+0.3619		+0.9322	
FK3番号	734			

星名	ι Cygn			
等級 スペクトル型	3.94		A2	
世界時 月 日	赤經		赤緯	
	19h 28m		+51° 36′	
	s		″	
1 1.5	20.972	16	61.53	335
11.5	20.988	80	58.18	338
21.5	21.068	141	54.80	328
31.5	21.209	199	51.52	308
2 10.4	21.408	252	48.44	275
20.4	21.660	299	45.69	232
3 1.4	21.959	339	43.37	179
11.3	22.298	371	41.58	121
21.3	22.669	392	40.37	$\underline{58}$
31.3	23.061	405	39.79	6
4 10.3	23.466	407	39.85	69
20.2	23.873	400	40.54	128
30.2	24.273	382	41.82	183
5 10.2	24.655	355	43.65	230
20.2	25.010	318	45.95	270
30.1	25.328	274	48.65	300
6 9.1	25.602	223	51.65	323
19.1	25.825	165	54.88	336
29.0	25.990	105	58.24	340
7 9.0	26.095	$\underline{41}$	61.64	336
18.9	26.136	23	65.00	324
28.9	26.113	85	68.24	304
8 7.9	26.028	144	71.28	278
17.9	25.884	198	74.06	246
27.9	25.686	246	76.52	208
9 6.9	25.440	284	78.60	167
16.8	25.156	313	80.27	121
26.8	24.843	331	81.48	72
10 6.8	24.512	337	82.20	$\underline{21}$
16.7	24.175	331	82.41	31
26.7	23.844	313	82.10	85
11 5.7	23.531	284	81.25	136
15.7	23.247	246	79.89	185
25.6	23.001	198	78.04	231
12 5.6	22.803	144	75.73	270
15.6	22.659	85	73.03	301
25.6	22.574	22	70.02	324
35.5	22.552		66.78	
平位	s 23.661		″ 65.67	
Secδ, Tanδ	+1.611		+1.263	
2回正中	7月14日			
a b	+0.0754		+0.0317	
a′ b′	+0.3762		+0.9265	
FK3番号	733			

星名	β Cygn pr			
等級 スペクトル型	3.24		K0, A0	
世界時 月 日	赤經		赤緯	
	19h 28m		+27° 50′	
	s		″	
1 1.5	35.189	63	51.28	266
11.5	35.252	105	48.62	266
21.5	35.357	146	45.96	256
31.5	35.503	182	43.40	236
2 10.4	35.685	215	41.04	207
20.4	35.900	244	38.97	168
3 1.4	36.144	269	37.29	125
11.3	36.413	289	36.04	74
21.3	36.702	304	35.30	$\underline{22}$
31.3	37.006	314	35.08	30
4 10.3	37.320	319	35.38	81
20.2	37.639	315	36.19	129
30.2	37.954	307	37.48	172
5 10.2	38.261	292	39.20	208
20.2	38.553	269	41.28	236
30.1	38.822	241	43.64	259
6 9.1	39.063	208	46.23	272
19.1	39.271	167	48.95	278
29.0	39.438	125	51.73	277
7 9.0	39.563	79	54.50	268
18.9	39.642	$\underline{31}$	57.18	255
28.9	39.673	16	59.73	235
8 7.9	39.657	61	62.08	211
17.9	39.596	103	64.19	182
27.9	39.493	139	66.01	149
9 6.9	39.354	169	67.50	116
16.8	39.185	190	68.66	78
26.8	38.995	203	69.44	39
10 6.8	38.792	206	69.83	$\overline{1}$
16.7	38.586	199	69.82	41
26.7	38.387	183	69.41	82
11 5.7	38.204	159	68.59	120
15.7	38.045	128	67.39	158
25.6	37.917	90	65.81	192
12 5.6	37.827	49	63.89	220
15.6	37.778	$\underline{6}$	61.69	244
25.6	37.772	38	59.25	258
35.5	37.810		56.67	
平位	s 37.372		″ 57.23	
Secδ, Tanδ	+1.131		+0.528	
2回正中	7月14日			
a b	+0.1207		+0.0133	
a′ b′	+0.3771		+0.9262	
FK3番号	732			

星名	ι Tele			
等級 スペクトル型	5.02		K0	
世界時 月 日	赤經		赤緯	
	19h 31m		−48° 12′	
	s		″	
1 1.5	18.840	134	59.35	169
11.5	18.974	190	57.66	172
21.5	19.164	241	55.94	171
31.5	19.405	286	54.23	166
2 10.4	19.691	326	52.57	158
20.4	20.017	360	50.99	148
3 1.4	20.377	389	49.51	135
11.3	20.766	412	48.16	120
21.3	21.178	429	46.96	104
31.3	21.607	442	45.92	84
4 10.3	22.049	448	45.08	64
20.2	22.497	447	44.44	41
30.2	22.944	439	44.03	16
5 10.2	23.383	424	43.87	$\overline{8}$
20.2	23.807	398	43.95	34
30.1	24.205	366	44.29	59
6 9.1	24.571	325	44.88	84
19.1	24.896	276	45.72	105
29.0	25.172	220	46.77	125
7 9.0	25.392	160	48.02	140
18.9	25.552	96	49.42	151
28.9	25.648	31	50.93	156
8 7.9	25.679	$\overline{33}$	52.49	155
17.9	25.646	92	54.04	149
27.9	25.554	145	55.53	135
9 6.9	25.409	189	56.88	117
16.8	25.220	222	58.05	92
26.8	24.998	242	58.97	64
10 6.8	24.756	247	59.61	$\underline{32}$
16.7	24.509	239	59.93	1
26.7	24.270	215	59.92	34
11 5.7	24.055	181	59.58	65
15.7	23.874	134	58.93	96
25.6	23.740	81	57.97	120
12 5.6	23.659	$\underline{22}$	56.77	141
15.6	23.637	38	55.36	157
25.6	23.675	100	53.79	168
35.5	23.775		52.11	
平位	s 21.795		″ 47.95	
Secδ, Tanδ	+1.501		−1.119	
2回正中	7月15日			
a b	+0.2221		−0.0290	
a′ b′	+0.3882		+0.9216	
FK3番号	735			

本初子午線正中時

星名	52 Sgtr			
等級 スペクトル型	4.66		B9	
世界時 月 日	赤經		赤緯	
	19h 33m		−25° 0′	
	s		″	
1 1.5	30.346	109	10.58	29
11.5	30.455	149	10.29	33
21.5	30.604	185	9.96	37
31.5	30.789	217	9.59	42
2 10.4	31.006	246	9.17	47
20.4	31.252	270	8.70	54
3 1.4	31.522	291	8.16	61
11.4	31.813	309	7.55	68
21.3	32.122	323	6.87	74
31.3	32.445	333	6.13	78
4 10.3	32.778	339	5.35	81
20.2	33.117	341	4.54	80
30.2	33.458	336	3.74	77
5 10.2	33.794	325	2.97	71
20.2	34.119	308	2.26	61
30.1	34.427	285	1.65	50
6 9.1	34.712	254	1.15	37
19.1	34.966	219	0.78	23
29.1	35.185	176	0.55	7
7 9.0	35.361	132	0.48	$\overline{8}$
18.9	35.493	83	0.56	20
28.9	35.576	35	0.76	33
8 7.9	35.611	14	1.09	42
17.9	35.597	58	1.51	47
27.9	35.539	98	1.98	51
9 6.9	35.441	130	2.49	50
16.8	35.311	155	2.99	47
26.8	35.156	169	3.46	40
10 6.8	34.987	172	3.86	33
16.8	34.815	165	4.19	23
26.7	34.650	147	4.42	12
11 5.7	34.503	121	4.54	$\underline{4}$
15.7	34.382	86	4.58	6
25.6	34.296	46	4.52	13
12 5.6	34.250	$\underline{3}$	4.39	20
15.6	34.247	40	4.19	25
25.6	34.287	85	3.94	29
35.5	34.372		3.65	
平位	s 32.658		″ 0.29	
Secδ, Tanδ	+1.103		−0.466	
2回正中	7月15日			
a b	+0.1819		−0.0123	
a′ b′	+0.3969		+0.9177	
FK3番号	736			

星名	κ Aqil			
等級 スペクトル型	5.04		B0	
世界時 月 日	赤經		赤緯	
	19h 34m		−7° 8′	
	s		″	
1 1.5	3.490	94	49.71	82
11.5	3.584	130	50.53	79
21.5	3.714	163	51.32	71
31.5	3.877	193	52.03	61
2 10.4	4.070	219	52.64	45
20.4	4.289	242	53.09	26
3 1.4	4.531	262	53.35	$\underline{5}$
11.4	4.793	279	53.40	18
21.3	5.072	292	53.22	43
31.3	5.364	303	52.79	64
4 10.3	5.667	307	52.15	86
20.2	5.974	309	51.29	104
30.2	6.283	305	50.25	117
5 10.2	6.588	295	49.08	126
20.2	6.883	279	47.82	132
30.1	7.162	257	46.50	132
6 9.1	7.419	229	45.18	129
19.1	7.648	195	43.89	121
29.1	7.843	157	42.68	110
7 9.0	8.000	116	41.58	98
18.9	8.116	71	40.60	83
28.9	8.187	27	39.77	67
8 7.9	8.214	$\overline{17}$	39.10	53
17.9	8.197	56	38.57	37
27.9	8.141	94	38.20	22
9 6.9	8.047	122	37.98	$\underline{9}$
16.8	7.925	144	37.89	3
26.8	7.781	156	37.92	14
10 6.8	7.625	159	38.06	25
16.8	7.466	152	38.31	33
26.7	7.314	137	38.64	43
11 5.7	7.177	112	39.07	51
15.7	7.065	82	39.58	59
25.6	6.983	46	40.17	67
12 5.6	6.937	$\underline{7}$	40.84	72
15.6	6.930	32	41.56	78
25.6	6.962	72	42.34	79
35.5	7.034		43.13	
平位	s 5.618		″ 40.78	
Secδ, Tanδ	+1.008		−0.125	
2回正中	7月15日			
a b	+0.1610		−0.0033	
a′ b′	+0.3991		+0.9169	
FK3番号	737			

星名	ϑ Cygn			
等級 スペクトル型	4.64		F5	
世界時 月 日	赤經		赤緯	
	19h 35m		+50° 5′	
	s		″	
1 1.5	0.109	10	55.45	329
11.5	0.119	71	52.16	333
21.5	0.190	131	48.83	325
31.5	0.321	187	45.58	306
2 10.4	0.508	240	42.52	274
20.4	0.748	285	39.78	232
3 1.4	1.033	324	37.46	182
11.4	1.357	357	35.64	123
21.3	1.714	380	34.41	$\underline{62}$
31.3	2.094	393	33.79	1
4 10.3	2.487	398	33.80	64
20.2	2.885	393	34.44	123
30.2	3.278	377	35.67	178
5 10.2	3.655	353	37.45	225
20.2	4.008	319	39.70	265
30.1	4.327	278	42.35	297
6 9.1	4.605	229	45.32	320
19.1	4.834	174	48.52	334
29.1	5.008	116	51.86	339
7 9.0	5.124	$\underline{54}$	55.25	335
18.9	5.178	8	58.60	325
28.9	5.170	69	61.85	306
8 7.9	5.101	127	64.91	280
17.9	4.974	181	67.71	250
27.9	4.793	228	70.21	213
9 6.9	4.565	266	72.34	172
16.8	4.299	296	74.06	128
26.8	4.003	315	75.34	79
10 6.8	3.688	321	76.13	$\underline{29}$
16.8	3.367	317	76.42	23
26.7	3.050	301	76.19	76
11 5.7	2.749	275	75.43	127
15.7	2.474	238	74.16	176
25.6	2.236	194	72.40	222
12 5.6	2.042	141	70.18	262
15.6	1.901	86	67.56	294
25.6	1.815	25	64.62	317
35.5	1.790		61.45	
平位	s 2.742		″ 59.33	
Secδ, Tanδ	+1.559		+1.196	
2回正中	7月16日			
a b	+0.0804		+0.0321	
a′ b′	+0.4029		+0.9152	
FK3番号	738			

星名	15 Cygn			
等級 スペクトル型	5.02		K0	
世界時 月 日	赤經		赤緯	
	19h 42m		+37° 13′	
	s		″	
1 1.5	21.669	33	34.95	293
11.5	21.702	80	32.02	297
21.5	21.782	125	29.05	290
31.5	21.907	169	26.15	271
2 10.4	22.076	209	23.44	242
20.4	22.285	244	21.02	204
3 1.4	22.529	276	18.98	156
11.4	22.805	301	17.42	104
21.3	23.106	321	16.38	$\underline{48}$
31.3	23.427	335	15.90	11
4 10.3	23.762	341	16.01	67
20.2	24.103	340	16.68	121
30.2	24.443	332	17.89	171
5 10.2	24.775	315	19.60	213
20.2	25.090	292	21.73	249
30.1	25.382	261	24.22	276
6 9.1	25.643	224	26.98	296
19.1	25.867	180	29.94	307
29.1	26.047	134	33.01	310
7 9.0	26.181	83	36.11	305
18.9	26.264	$\underline{32}$	39.16	294
28.9	26.296	20	42.10	275
8 7.9	26.276	70	44.85	252
17.9	26.206	115	47.37	222
27.9	26.091	157	49.59	184
9 6.9	25.934	190	51.48	152
16.8	25.744	215	53.00	110
26.8	25.529	232	54.10	68
10 6.8	25.297	238	54.78	$\underline{23}$
16.8	25.059	234	55.01	24
26.7	24.825	221	54.77	70
11 5.7	24.604	198	54.07	115
15.7	24.406	167	52.92	160
25.6	24.239	130	51.32	199
12 5.6	24.109	88	49.33	234
15.6	24.021	$\underline{43}$	46.99	263
25.6	23.978	5	44.36	283
35.5	23.983		41.53	
平位	s 23.972		″ 39.58	
Secδ, Tanδ	+1.256		+0.768	
2回正中	7月17日			
a b	+0.1077		+0.0219	
a′ b′	+0.4321		+0.9018	
FK3番号	740			

本初子午線正中時

星名	+δ Cygn		ν Tele		τ Aql		δ Sgte	
等級 スペクトル型	2.97	A0	5.52	A5	2.80	K2	3.78	M0,A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 19 43	° ′ +44 59	h m 19 43	° ′ −56 29	h m 19 43	° ′ +10 28	h m 19 45	° ′ +18 23
	s	″	s	″	s	″	s	″
1 1.5	18.451	66.79	43.575	35.47	45.124	59.60	1.971	70.52
11.5	18.465 14	63.65 314	43.698 123	33.31 216	45.193 69	57.81 179	2.030 59	68.34 218
21.5	18.533 68	60.45 320	43.891 193	31.09 222	45.298 105	56.03 178	2.127 97	66.15 219
31.5	18.654 121	57.32 313	44.146 255	28.89 220	45.437 139	54.33 170	2.260 133	64.05 210
	171	295	314	215	172	155	167	194
2 10.4	18.825	54.37	44.460	26.74	45.609	52.78	2.427	62.11
20.4	19.043 218	51.71 266	44.824 364	24.70 204	45.809 200	51.46 132	2.624 197	60.42 169
	260	225	408	190	225	103	225	136
3 1.4	19.303	49.46	45.232	22.80	46.034	50.43	2.849	59.06
11.4	19.599 296	47.69 177	45.678 446	21.08 172	46.282 248	49.74 69	3.099 250	58.07 99
21.3	19.926 327	46.48 121	46.156 478	19.56 152	46.550 268	49.42 32	3.369 270	57.52 55
31.3	20.275 349	45.86 62	46.657 501	18.28 128	46.832 282	49.49 7	3.656 287	57.41 11
	364	1	518	102	295	46	298	36
4 10.3	20.639	45.85 60	47.175	17.26	47.127	49.95	3.954	57.77
20.2	21.010 371	46.45 117	47.704 529	16.52 74	47.429 302	50.79 84	4.260 306	58.56 79
30.2	21.379 369	47.62 171	48.233 529	16.08 44	47.732 303	51.97 118	4.568 308	59.77 121
	358		522	13	300	149	303	157
5 10.2	21.737	49.32	48.755	15.95 79	48.032	53.46	4.871	61.34
20.2	22.075 338	51.50 217	49.259 504	16.14 52	48.321 289	55.19 173	5.164 293	63.22 188
30.1	22.386 311	54.07 257	49.735 476	16.66 82	48.595 274	57.10 191	5.439 275	65.34 212
	274	288	440		252	205	251	230
6 9.1	22.660	56.95	50.175	17.48	48.847	59.15	5.690	67.64
19.1	22.892 232	60.05 310	50.566 391	18.60 112	49.070 223	61.25 210	5.912 222	70.05 241
29.1	23.076 184	63.29 324	50.901 335	19.98 138	49.260 190	63.36 211	6.099 187	72.50 245
	130	330	269	161	151	206	147	243
7 9.0	23.206	66.59	51.170	21.59	49.411	65.42	6.246	74.93
18.9	23.281 75	69.85 326	51.369 199	23.37 178	49.521 110	67.38 196	6.350 104	77.27 234
28.9	23.298 17	73.02 317	51.491 122	25.27 190	49.587 66	69.20 182	6.410 60	79.48 221
	39	298	45	196	21	164	14	202
8 7.9	23.259	76.00	51.536 31	27.23	49.608 22	70.84	6.424 30	81.50
17.9	23.165 94	78.75 275	51.505 104	29.18 195	49.586 62	72.28 144	6.394 71	83.31 181
27.9	23.021 144	81.20 245	51.401 169	31.04 186	49.524 97	73.49 121	6.323 108	84.87 156
	189	210		169		97		128
9 6.9	22.832	83.30	51.232	32.73	49.427	74.46	6.215	86.15
16.8	22.606 226	85.00 170	51.007 225	34.20 147	49.299 128	75.17 71	6.077 138	87.14 99
26.8	22.352 254	86.28 128	50.739 268	35.38 118	49.149 150	75.63 46	5.916 161	87.81 67
	273	81	295	82	163	19	175	35
10 6.8	22.079	87.09	50.444	36.20	48.986	75.82 7	5.741	88.16
16.8	21.798 281	87.43 34	50.137 307	36.65 45	48.818 168	75.75 34	5.561 180	88.18 2
26.7	21.521 277	87.26 17	49.836 301	36.68 3	48.654 164	75.41 60	5.385 176	87.88 30
	264	67	279	38	150		163	64
11 5.7	21.257	86.59	49.557	36.30	48.504	74.81	5.222	87.74
15.7	21.017 240	85.42 117	49.315 242	35.52 78	48.376 128	73.96 85	5.081 141	86.28 96
25.6	20.809 208	83.77 165	49.123 192	34.37 115	48.276 100	72.87 109	4.967 114	85.01 127
	168	208	131	148	67	131	80	155
12 5.6	20.641	81.69	48.992	32.89	48.209	71.56	4.887	83.46
15.6	20.520 121	79.21 248	48.930 62	31.13 176	48.179 30	70.07 149	4.844 43	81.68 178
25.6	20.448 72	76.41 280	48.939 9	29.16 197	48.187 8	68.43 164	4.840 4	79.70 198
35.5	20.430 18	73.39 302	49.020 81	27.04 212	48.234 47	66.69 174	4.876 36	77.59 211
平位	s 20.924	″ 70.65	s 46.936	″ 22.79	s 47.200	″ 66.92	s 4.072	″ 76.98
Sec&Tanδ	+1.414	+1.000	+1.811	−1.510	+1.017	+0.185	+1.054	+0.333
2回正中	7月 18日		7月 18日		7月 18日		7月 18日	
a b	+0.0933	+0.0291	+0.2439	−0.0441	+0.1422	+0.0054	+0.1334	+0.0098
a′ b′	+0.4358	+0.9000	+0.4375	+0.8992	+0.4375	+0.8992	+0.4426	+0.8967
FK3番号	742		739		741		743	

本初子午線正中時

星名	51 Aql		α Aql		+ε Drac		η Aql	
等級 スペクトル型	5.55	F0	0.89	A5	3.99	K0	3.7-4.4	G0p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 19 47	° ′ −10 53	h m 19 48	° ′ +8 43	h m 19 48	° ′ +70 7	h m 19 49	° ′ +0 52
	s	″	s	″	s	″	s	″
1 1.6	53.049	58.71	12.660	39.13	17.270	66.67	47.343	6.47
11.5	53.132 83	59.26 55	12.729 69	37.47 166	17.126 144	63.30 337	47.415 72	5.23 124
21.5	53.252 120	59.77 51	12.835 106	35.81 166	17.102 24	59.81 349	47.522 107	4.01 122
31.5	53.405 153	60.21 44	12.975 140	34.24 157	17.200 98	56.33 348	47.663 141	2.87 114
	183	33	171	142	215	335	172	101
2 10.4	53.588	60.54	13.146	32.82	17.415	52.98	47.835	1.86
20.4	53.799 211	60.74 20	13.345 199	31.61 121	17.741 326	49.91 307	48.034 199	1.04 82
	236	4	225	92	427	269	224	59
3 1.4	54.035	60.78 16	13.570	30.69	18.168	47.22	48.258	0.45
11.4	54.292 257	60.62 35	13.818 248	30.09 60	18.682 514	45.01 221	48.504 246	0.13 32
21.3	54.567 275	60.27 56	14.085 267	29.85 24	19.265 583	43.37 164	48.769 265	0.12 1
31.3	54.859 292	59.71 74	14.368 283	29.99 14	19.899 634	42.35 102	49.051 282	0.41 29
	303		294	51	665	37	293	59
4 10.3	55.162	58.97	14.662	30.50	20.564	41.98 29	49.344	1.00
20.3	55.474 312	58.05 92	14.964 302	31.37 87	21.238 674	42.27 92	49.646 302	1.89 89
30.2	55.788 314	56.99 106	15.268 304	32.57 120	21.901 663	43.19 152	49.954 305	3.03 114
	313	116	301	149	631		303	135
5 10.2	56.101	55.83	15.569	34.06	22.532	44.71	50.254	4.38
20.2	56.406 305	54.61 122	15.861 292	35.78 172	23.114 582	46.75 204	50.549 295	5.91 153
30.1	56.697 291	53.37 124	16.137 276	37.67 189	23.628 514	49.27 252	50.830 281	7.55 164
	270	122	254	200	434	290	260	170
6 9.1	56.967	52.15	16.391	39.67	24.062	52.17	51.090	9.25
19.1	57.210 243	50.99 116	16.618 227	41.73 206	24.403 341	55.36 319	51.324 234	10.96 171
29.1	57.421 211	49.93 106	16.811 193	43.78 205	24.642 239	58.77 341	51.525 201	12.64 168
	173	95	156	200	131	352	164	159
7 9.0	57.594	48.98	16.967	45.78	24.773	62.29	51.689	14.23
19.0	57.725 131	48.18 80	17.081 114	47.67 189	24.793 20	65.84 355	51.812 123	15.70 147
28.9	57.813 88	47.52 66	17.151 70	49.42 175	24.702 91	69.34 350	51.892 80	17.03 133
	41	49	26	157	201	336	35	116
8 7.9	57.854	47.03	17.171	50.99	24.501	72.70	51.927	18.19
17.9	57.851 3	46.68 35	17.160 11	52.35 136	24.199 302	75.86 316	51.919 8	19.16 97
27.9	57.806 45	46.48 20	17.102 58	53.50 115	23.801 398	78.74 288	51.870 49	19.95 79
	83	7	93	90	482	255	85	58
9 6.9	57.723	46.41 4	17.009	54.40	23.319	81.29	51.785	20.53
16.8	57.609 114	46.45 13	16.886 123	55.07 67	22.765 554	83.44 215	51.669 116	20.92 39
26.8	57.471 138	46.58 22	16.740 146	55.48 41	22.154 611	85.14 170	51.530 139	21.13 21
	153		160	19	651	122	153	1
10 6.8	57.318	46.80	16.580	55.65 8	21.503	86.36	51.377	21.14 16
16.8	57.160 158	47.08 28	16.416 164	55.57 33	20.829 674	87.06 70	51.218 159	20.98 33
26.7	57.007 153	47.41 33	16.256 160	55.24 58	20.151 678	87.21 15	51.064 154	20.65 50
	140	38	147		664	41	142	
11 5.7	56.867	47.79	16.109	54.66	19.487	86.80	50.922	20.15
15.7	56.749 118	48.21 42	15.984 125	53.86 80	18.858 629	85.83 97	50.801 121	19.49 66
25.7	56.661 88	48.67 46	15.886 98	52.83 103	18.281 577	84.30 153	50.707 94	18.68 81
	54	49	65	123	508	204	61	95
12 5.6	56.607	49.16	15.821	51.60	17.773	82.26	50.646	17.73
15.6	56.590 17	49.68 52	15.792 29	50.20 140	17.351 422	79.75 251	50.622 24	16.66 107
25.6	56.612 22	50.22 54	15.802 10	48.67 153	17.078 323	76.84 291	50.634 12	15.51 115
35.5	56.674 62	50.76 54	15.850 48	47.05 162	16.814 214	73.63 321	50.685 51	14.30 121
平位	s 55.173	″ 49.10	s 14.730	″ 46.73	s 21.476	″ 68.30	s 49.411	″ 14.85
Sec&Tanδ	+1.018	−0.193	+1.012	+0.154	+2.943	+2.768	+1.000	+0.015
2回正中	7月 19日		7月 19日		7月 19日		7月 19日	
a b	+0.1648	−0.0058	+0.1442	+0.0047	−0.0110	+0.0840	+0.1524	+0.0005
a′ b′	+0.4537	+0.8912	+0.4549	+0.8905	+0.4554	+0.8903	+0.4611	+0.8874
FK3番号	744		745		747		746	

本初子午線正中時

星名	β Aql		† ψ Cygn		ε Pavo		ϑ' Sgtr	
等級 スペクトル型	3.90	K0	4.80	A3	4.10	A0	4.39	B3
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 19 52	° ′ + 6 16	h m 19 54	° ′ +52 17	h m 19 54	° ′ −73 2	h m 19 56	° ′ −35 25
	s	″	s	″	s	″	s	″
1 1.6	43.426 64	24.16 155	14.360 26	58.01 323	31.329 115	76.77 294	18.853 90	19.21 98
11.5	43.490 100	22.61 153	14.334 38	54.98 332	31.444 250	73.83 300	18.943 134	18.23 105
21.5	43.590 134	21.08 146	14.372 100	51.46 330	31.694 377	70.83 298	19.077 176	17.18 110
31.5	43.724 165	19.62 131	14.472 161	48.16 314	32.071 495	67.85 289	19.253 214	16.08 115
2 10.4	43.889 193	18.31 111	14.633 218	46.02 287	32.566 600	64.96 273	19.467 246	14.93 116
20.4	44.082 220	17.20 85	14.851 271	42.15 248	33.166 694	62.23 250	19.713 278	13.79 118
3 1.4	44.302 242	16.35 54	15.122 316	39.67 201	33.860 772	59.73 223	19.991 303	12.59 118
11.4	44.544 263	15.81 21	15.438 354	37.66 144	34.632 837	57.50 192	20.294 327	11.41 116
21.3	44.807 279	15.60 16	15.792 383	36.22 85	35.469 885	55.58 157	20.621 345	10.25 113
31.3	45.086 292	15.76 50	16.175 404	35.37 21	36.354 922	54.01 118	20.966 361	9.12 106
4 10.3	45.378 300	16.26 85	16.574 413	35.16 42	37.276 939	52.83 78	21.327 372	8.06 99
20.3	45.678 304	17.11 115	16.992 413	35.58 102	38.215 941	52.05 35	21.699 376	7.07 88
30.2	45.982 303	18.26 142	17.405 401	36.60 160	39.156 927	51.70 7	22.075 375	6.19 75
5 10.2	46.285 294	19.68 163	17.806 380	38.20 209	40.083 892	51.77 49	22.450 367	5.44 58
20.2	46.579 279	21.31 180	18.186 347	40.29 254	40.975 840	52.26 92	22.817 352	4.86 40
30.1	46.858 259	23.11 189	18.533 308	42.83 289	41.815 770	53.18 131	23.169 329	4.46 21
6 9.1	47.117 233	25.00 194	18.841 258	45.72 315	42.585 683	54.49 167	23.498 298	4.25 7
19.1	47.350 199	26.94 192	19.099 204	48.87 334	43.268 578	56.16 199	23.796 261	4.26 22
29.1	47.549 163	28.86 187	19.303 143	52.21 343	43.846 461	58.15 226	24.057 217	4.48 41
7 9.0	47.712 121	30.73 176	19.446 79	55.64 343	44.307 330	60.41 246	24.274 168	4.89 61
19.0	47.833 78	32.49 161	19.525 15	59.07 336	44.637 194	62.87 257	24.442 115	5.50 76
28.9	47.911 34	34.10 144	19.540 50	62.43 322	44.831 52	65.44 262	24.557 61	6.26 89
8 7.9	47.945 9	35.54 125	19.490 112	65.65 299	44.883 87	68.06 257	24.618 7	7.15 98
17.9	47.936 51	36.79 104	19.378 170	68.64 270	44.796 222	70.63 244	24.625 44	8.13 101
27.9	47.885 87	37.83 81	19.208 221	71.34 237	44.574 345	73.07 220	24.581 92	9.14 100
9 6.9	47.798 118	38.84 59	18.987 265	73.71 197	44.229 452	75.27 189	24.489 131	10.14 94
16.8	47.680 141	39.23 35	18.722 299	75.68 154	43.777 537	77.16 150	24.358 162	11.08 83
26.8	47.539 156	39.58 13	18.423 323	77.22 109	43.240 597	78.66 103	24.196 182	11.91 69
10 6.8	47.383 162	39.71 10	18.100 335	78.29 56	42.643 630	79.69 53	24.014 191	12.60 51
16.8	47.221 158	39.61 33	17.765 335	78.85 5	42.013 631	80.22 0	23.823 188	13.11 30
26.7	47.063 146	39.28 55	17.430 324	78.90 50	41.382 603	80.22 54	23.635 174	13.41 8
11 5.7	46.917 127	38.73 75	17.106 301	78.40 102	40.779 546	79.68 108	23.461 149	13.49 13
15.7	46.790 99	37.98 96	16.805 269	77.38 153	40.233 463	78.60 157	23.312 116	13.36 34
25.7	46.691 67	37.02 115	16.536 227	75.85 203	39.770 358	77.03 201	23.196 76	13.02 53
12 5.6	46.624 32	35.87 129	16.309 178	73.82 245	39.412 237	75.02 238	23.120 31	12.49 70
15.6	46.592 5	34.58 142	16.131 122	71.37 281	39.175 106	72.64 267	23.089 16	11.79 83
25.6	46.597 43	33.16 150	16.009 62	68.56 309	39.069 32	69.97 288	23.105 63	10.96 95
35.5	46.640	31.66	15.947	65.47	39.101	67.09	23.168	10.01
平位	s 45.483	″ 31.92	s 17.074	″ 60.61	s 36.922	″ 62.77	s 21.287	″ 6.93
Sec δ Tan δ	+1.006	+0.110	+1.635	+1.294	+3.430	−3.281	+1.227	−0.711
2回正中	7月20日		7月20日		7月21日		7月21日	
a b	+0.1469	+0.0035	+0.0776	+0.0413	+0.3453	−0.1049	+0.1948	−0.0231
a' b'	+0.4724	+0.8814	+0.4783	+0.8782	+0.4795	+0.8775	+0.4662	+0.8739
FK3番号	749		750		748		751	

本初子午線正中時

星名	γ Sgte		62 Sgtr		ξ Tele		δ Pavo	
等級 スペクトル型	3.71	K5	4.60	M3	4.86	M0	3.64	G5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 19 56	° ′ +19 20	h m 19 59	° ′ −27 51	h m 20 3	° ′ −53 1	h m 20 3	° ′ −66 18
	s	″	s	″	s	″	s	″
1 1.6	24.498 46	52.88 217	25.514 83	33.37 52	21.622 87	67.72 200	34.45 10	76.16 264
11.5	24.544 85	50.71 220	25.597 122	32.85 60	21.709 149	65.72 209	34.55 19	73.52 272
21.5	24.629 121	48.51 212	25.719 161	32.25 65	21.858 208	63.63 213	34.74 29	70.80 273
31.5	24.750 155	46.39 197	25.880 195	31.60 73	22.066 261	61.50 213	35.03 36	68.07 268
2 10.5	24.905 187	44.42 173	26.075 226	30.87 78	22.327 309	59.37 207	35.39 45	65.39 256
20.4	25.092 216	42.69 142	26.301 254	30.09 85	22.636 352	57.30 198	35.84 51	62.83 239
3 1.4	25.308 242	41.27 103	26.555 279	29.24 91	22.988 391	55.32 185	36.35 57	60.44 217
11.4	25.550 265	40.24 61	26.834 301	28.33 96	23.379 422	53.47 170	36.92 61	58.27 191
21.3	25.815 283	39.63 16	27.135 318	27.37 100	23.801 449	51.77 150	37.53 66	56.36 160
31.3	26.098 297	39.47 30	27.453 334	26.37 103	24.250 470	50.27 128	38.19 68	54.76 128
4 10.3	26.395 306	39.77 75	27.787 345	25.34 101	24.720 484	48.99 103	38.87 70	53.48 92
20.3	26.701 310	40.52 117	28.132 350	24.33 99	25.204 490	47.96 76	39.57 71	52.56 54
30.2	27.011 308	41.69 155	28.482 349	23.34 92	25.694 489	47.20 47	40.28 70	52.02 15
5 10.2	27.319 298	43.24 188	28.831 343	22.42 83	26.183 478	46.73 17	40.98 68	51.87 24
20.2	27.617 282	45.12 213	29.174 329	21.59 71	26.661 457	46.56 16	41.66 64	52.11 64
30.2	27.899 260	47.25 232	29.503 309	20.88 56	27.118 427	46.72 47	42.30 60	52.75 102
6 9.1	28.159 231	49.57 245	29.812 281	20.32 39	27.546 388	47.19 77	42.90 54	53.77 137
19.1	28.390 197	52.02 250	30.093 246	19.93 21	27.933 338	47.96 106	43.44 46	55.14 169
29.1	28.587 158	54.52 249	30.339 206	19.72 2	28.271 280	49.02 132	43.90 38	56.83 197
7 9.0	28.745 115	57.01 241	30.545 161	19.70 15	28.551 216	50.34 153	44.28 28	58.80 218
19.0	28.860 69	59.42 229	30.706 111	19.85 32	28.767 147	51.87 169	44.56 19	60.98 233
28.9	28.929 24	61.71 212	30.817 62	20.17 46	28.914 75	53.56 180	44.75 8	63.31 240
8 7.9	28.953 20	63.83 190	30.879 11	20.63 57	28.989 4	55.36 183	44.83 3	65.71 240
17.9	28.933 63	65.73 166	30.890 37	21.20 64	28.993 65	57.19 181	44.80 12	68.11 231
27.9	28.870 100	67.39 138	30.853 80	21.84 69	28.928 129	59.00 170	44.68 22	70.42 212
9 6.9	28.770 132	68.77 108	30.773 117	22.53 69	28.799 183	60.70 152	44.46 29	72.54 186
16.9	28.638 157	69.85 77	30.656 145	23.22 65	28.616 227	62.22 129	44.17 37	74.40 153
26.8	28.481 172	70.62 44	30.511 165	23.87 57	28.389 258	63.51 99	43.80 40	75.93 112
10 6.8	28.309 179	71.06 11	30.346 173	24.44 47	28.131 273	64.50 64	43.40 43	77.05 67
16.8	28.130 177	71.17 22	30.173 170	24.91 34	27.858 273	65.14 27	42.97 44	77.72 18
26.7	27.953 166	70.95 57	30.003 158	25.25 21	27.585 259	65.41 72	42.53 42	77.90 32
11 5.7	27.787 147	70.38 90	29.845 136	25.46 6	27.326 229	65.29 51	42.11 37	77.58 81
15.7	27.640 120	69.48 120	29.709 104	25.52 7	27.097 188	64.78 88	41.74 32	76.77 128
25.7	27.520 89	68.28 150	29.605 69	25.45 20	26.909 136	63.90 122	41.42 24	75.49 170
12 5.6	27.431 53	66.78 175	29.536 27	25.25 32	26.773 78	62.68 150	41.18 15	73.79 205
15.6	27.378 15	65.03 196	29.509 13	24.93 41	26.695 15	61.18 176	41.03 6	71.74 235
25.6	27.363 24	63.07 210	29.524 58	24.52 50	26.680 50	59.42 193	40.97 4	69.39 257
35.6	27.387	60.97	29.582	24.02	26.730	57.49	41.01	66.82
平位	s 26.589	″ 59.03	s 27.793	″ 21.62	s 24.645	″ 53.69	s 38.631	″ 61.63
Sec δ Tan δ	+1.060	+0.351	+1.131	−0.528	+1.663	−1.329	+2.490	−2.280
2回正中	7月21日		7月22日		7月23日		7月23日	
a b	+0.1329	+0.0114	+0.1839	−0.0176	+0.2294	−0.0454	+0.2837	−0.0781
a' b'	+0.4865	+0.8737	+0.4980	+0.8672	+0.5128	+0.8585	+0.5137	+0.8580
FK3番号	752		753		755		754	

本初子午線正中時

星名	ϑ Aql				κ Ceph				31 d Cygn				33 Cygn			
等級 スペクトル型	3.37		A0		4.40		B9		3.95		K0,B8.		4.32		A3	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h 20	m 8	° −0	′ 58	h 20	m 10	° +77	′ 32	h 20	m 11	° +46	′ 34	h 20	m 12	° +56	′ 24
	s		″		s		″		s		″		s		″	
1 1.6	35.267	56	46.26	107	34.43	40	81.23	317	57.067	28	55.88	302	8.459	72	27.74	317
11.5	35.323	91	47.33	105	34.03	20	78.06	337	57.039	26	52.86	313	8.387	4	24.57	332
21.5	35.414	123	48.38	98	33.83	1	74.69	343	57.065	80	49.73	314	8.383	67	21.25	334
31.5	35.537	155	49.36	85	33.82	18	71.26	338	57.145	133	46.59	301	8.450	135	17.91	323
2 10.5	35.692	184	50.21	67	34.00	37	67.88	318	57.278	184	43.58	278	8.585	201	14.68	301
20.4	35.876	210	50.88	46	34.37	54	64.70	287	57.462	231	40.80	242	8.786	263	11.67	265
3 1.4	36.086	234	51.34	20	34.91	70	61.83	245	57.693	274	38.38	199	9.049	318	9.02	221
11.4	36.320	256	51.54	6	35.61	82	59.38	193	57.967	310	36.39	146	9.367	365	6.81	168
21.4	36.576	274	51.46	37	36.43	92	57.45	135	58.277	341	34.93	89	9.732	402	5.13	108
31.3	36.850	289	51.09	66	37.35	98	56.10	72	58.618	363	34.04	29	10.134	431	4.05	46
4 10.3	37.139	301	50.43	93	38.33	101	55.38	9	58.981	377	33.75	33	10.565	445	3.59	18
20.3	37.440	306	49.50	117	39.34	101	55.29	56	59.358	381	34.08	91	11.010	450	3.77	81
30.2	37.746	308	48.33	137	40.35	97	55.85	116	59.739	377	34.99	147	11.460	441	4.58	140
5 10.2	38.054	303	46.96	152	41.32	91	57.01	172	60.116	363	36.46	197	11.901	421	5.98	193
20.2	38.357	291	45.44	163	42.23	80	58.73	223	60.479	339	38.43	240	12.322	390	7.91	240
30.2	38.648	273	43.81	169	43.03	69	60.96	265	60.818	308	40.83	276	12.712	348	10.31	280
6 9.1	38.921	249	42.12	168	43.72	55	63.61	301	61.126	267	43.59	304	13.060	296	13.11	311
19.1	39.170	218	40.44	165	44.27	39	66.62	327	61.393	220	46.63	323	13.356	238	16.22	334
29.1	39.388	181	38.79	155	44.66	23	69.89	345	61.613	168	49.86	333	13.594	173	19.56	347
7 9.0	39.569	142	37.24	143	44.89	6	73.34	354	61.781	112	53.19	336	13.767	104	23.03	353
19.0	39.711	99	35.81	128	44.95	11	76.88	355	61.893	53	56.55	330	13.871	34	26.56	349
28.9	39.810	54	34.53	111	44.84	28	80.43	348	61.946	5	59.85	318	13.905	38	30.05	338
8 7.9	39.864	10	33.42	92	44.56	44	83.91	334	61.941	63	63.03	297	13.867	106	33.43	319
17.9	39.874	32	32.50	74	44.12	59	87.25	311	61.878	117	66.00	272	13.761	170	36.62	294
27.9	39.842	70	31.76	54	43.53	73	90.36	284	61.761	166	68.72	240	13.591	229	39.56	263
9 6.9	39.772	103	31.22	36	42.80	84	93.20	248	61.595	208	71.12	204	13.362	280	42.19	226
16.9	39.669	128	30.86	18	41.96	95	95.68	208	61.387	241	73.16	162	13.082	320	44.45	183
26.8	39.541	146	30.68	0	41.01	102	97.76	163	61.146	266	74.78	118	12.762	351	46.28	137
10 6.8	39.395	153	30.68	15	39.99	108	99.39	114	60.880	280	75.96	70	12.411	369	47.65	87
16.8	39.242	153	30.83	31	38.91	110	100.53	60	60.600	283	76.66	21	12.042	374	48.52	35
26.7	39.089	143	31.14	46	37.81	110	101.13	4	60.317	276	76.87	30	11.668	369	48.87	20
11 5.7	38.946	125	31.60	59	36.71	107	101.17	52	60.041	259	76.57	82	11.299	350	48.67	75
15.7	38.821	100	32.19	72	35.64	101	100.65	109	59.782	232	75.75	132	10.949	321	47.92	129
25.7	38.721	71	32.91	84	34.63	92	99.56	165	59.550	198	74.43	179	10.628	280	46.63	181
12 5.6	38.650	36	33.75	93	33.71	81	97.91	215	59.352	156	72.64	221	10.348	231	44.82	227
15.6	38.614	1	34.68	100	32.90	66	95.76	260	59.196	110	70.43	258	10.117	175	42.55	267
25.6	38.613	35	35.68	105	32.24	50	93.16	297	59.086	59	67.85	287	9.942	111	39.88	300
35.6	38.648		36.73		31.74		90.19		59.027		64.98		9.831		36.88	
中位	s 37.300		″ 37.51		s 40.583		″ 80.81		s 59.542		″ 58.09		s 11.353		″ 28.87	
Sec & Tan δ	+1.000		−0.017		+4.641		+4.532		+1.455		+1.057		+1.807		+1.506	
2回正中	7月24日				7月25日				7月25日				7月25日			
a b	+0.1543		−0.0006		−0.1010		+0.1631		+0.0942		+0.0384		+0.0692		+0.0547	
a′ b′	+0.5522		+0.8466		+0.5398		+0.8448		+0.5446		+0.8387		+0.5453		+0.8382	
FK3番号	756				759				757				758			

本初子午線正中時

星名	24 Vulp				α² Capr				β Capr				κ' Sgtr			
等級 スペクトル型	5.45		K0		3.77		G5		3.25		G0,A0		5.64		A0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h 20	m 14	° +24	′ 30	h 20	m 15	° −12	′ 42	h 20	m 18	° −14	′ 56	h 20	m 18	° −42	′ 12
	s		″		s		″		s		″		s		″	
1 1.6	31.385	21	30.31	232	8.155	58	37.32	38	3.385	56	60.24	24	53.509	64	68.62	139
11.5	31.406	60	27.99	237	8.213	94	37.70	31	3.441	92	60.48	17	53.573	112	67.23	152
21.5	31.466	98	25.62	232	8.307	127	38.01	24	3.533	126	60.65	8	53.685	158	65.71	159
31.5	31.564	135	23.30	220	8.434	159	38.25	12	3.659	159	60.73	2	53.843	201	64.12	165
2 10.5	31.699	169	21.10	196	8.593	188	38.37	1	3.818	187	60.71	15	54.044	240	62.47	166
20.4	31.868	202	19.14	166	8.781	214	38.36	17	4.005	215	60.56	30	54.284	276	60.81	167
3 1.4	32.070	232	17.48	127	8.995	240	38.19	35	4.220	240	60.26	47	54.560	309	59.14	163
11.4	32.302	258	16.21	83	9.235	262	37.84	53	4.460	263	59.79	63	54.869	337	57.51	157
21.4	32.560	280	15.38	36	9.497	281	37.31	72	4.723	282	59.16	80	55.206	362	55.94	149
31.3	32.840	298	15.02	13	9.778	298	36.59	90	5.005	300	58.36	95	55.568	382	54.45	138
4 10.3	33.138	310	15.15	62	10.076	310	35.69	105	5.305	313	57.41	109	55.950	398	53.07	123
20.3	33.448	317	15.77	109	10.386	317	34.64	118	5.618	320	56.32	118	56.348	408	51.84	106
30.2	33.765	317	16.86	151	10.703	321	33.46	126	5.938	324	55.14	126	56.756	410	50.79	86
5 10.2	34.082	311	18.37	187	11.024	316	32.20	131	6.262	321	53.88	127	57.166	406	49.92	64
20.2	34.393	295	20.24	219	11.340	306	30.89	132	6.583	310	52.61	127	57.572	392	49.28	38
30.2	34.688	275	22.43	243	11.646	289	29.57	127	6.893	294	51.34	120	57.964	372	48.90	13
6 9.1	34.963	246	24.86	259	11.935	265	28.30	120	7.187	270	50.14	111	58.336	341	48.77	15
19.1	35.209	212	27.45	269	12.200	235	27.10	109	7.457	240	49.03	99	58.677	304	48.92	41
29.1	35.421	173	30.14	272	12.435	199	26.01	94	7.697	204	48.04	83	58.981	257	49.33	66
7 9.1	35.594	129	32.86	268	12.634	158	25.07	80	7.901	163	47.21	67	59.238	206	49.99	89
19.0	35.723	83	35.54	257	12.792	114	24.27	62	8.064	119	46.54	50	59.444	150	50.88	108
28.9	35.806	36	38.11	241	12.906	68	23.65	45	8.183	72	46.04	33	59.594	90	51.96	124
8 7.9	35.842	70	40.52	222	12.974	23	23.20	28	8.255	26	45.71	16	59.684	31	53.20	134
17.9	35.832	55	42.74	196	12.997	22	22.92	14	8.281	18	45.55	2	59.715	29	54.54	138
27.9	35.777	94	44.70	168	12.975	62	22.78	1	8.263	60	45.53	72	59.688	80	55.92	137
9 6.9	35.683	129	46.38	138	12.913	96	22.79	13	8.203	94	45.65	22	59.608	128	57.29	129
16.9	35.554	156	47.76	104	12.817	124	22.92	22	8.109	123	45.87	30	59.480	165	58.58	116
26.8	35.398	175	48.80	69	12.693	143	23.14	29	7.986	143	46.17	35	59.315	193	59.74	96
10 6.8	35.223	185	49.49	32	12.550	152	23.43	34	7.843	153	46.52	39	59.122	208	60.70	73
16.8	35.038	186	49.81	5	12.398	152	23.77	38	7.690	154	46.91	39	58.914	210	61.43	46
26.8	34.852	178	49.76	42	12.246	144	24.15	40	7.536	144	47.30	39	58.704	202	61.89	17
11 5.7	34.674	163	49.34	80	12.102	126	24.55	41	7.392	128	47.69	38	58.502	180	62.06	13
15.7	34.511	139	48.54	116	11.976	101	24.96	42	7.264	103	48.07	37	58.322	148	61.93	41
25.7	34.372	110	47.38	149	11.875	71	25.38	42	7.161	73	48.44	34	58.174	109	61.52	69
12 5.6	34.262	76	45.89	178	11.804	36	25.80	41	7.088	38	48.78	31	58.065	65	60.83	94
15.6	34.186	40	44.11	204	11.768	0	26.21	40	7.050	2	49.09	28	58.000	15	59.89	115
25.6	34.146	1	42.07	221	11.768	37	26.61	37	7.048	35	49.37	24	57.985	35	58.74	133
35.6	34.145		39.86		11.805		26.98		7.083		49.61		58.020		57.41	
中位	s 33.486		″ 35.33		s 10.220		″ 26.84		s 5.456		″ 49.37		s 56.012		″ 54.41	
Sec & Tan δ	+1.099		+0.456		+1.025		−0.226		+1.035		−0.267		+1.350		−0.907	
2回正中	7月26日				7月26日				7月26日				7月27日			
a b	+0.1280		+0.0168		+0.1658		−0.0084		+0.1680		−0.0101		+0.2030		−0.0345	
a′ b′	+0.5540		+0.8325		+0.5562		+0.8311		+0.5667		+0.8239		+0.5698		+0.8218	
FK3番号	760				761				762				763			

本初子午線正中時

星名	γ Cygn		α Pavo		† p Capr		ϑ Ceph	
等級 スペクトル型	2.32	F8p	2.12	B3	4.96	F0	4.28	A5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 20 20	° ′ +40 4	h m 20 21	° ′ −56 54	h m 20 25	° ′ −17 59	h m 20 28	° ′ +62 48
	s	″	s	″	s	″	s	″
1 1.6	19.311	78.86	29.643	28.50	51.682	24.63	39.37	68.69
11.6	19.293 18	76.04 282	29.698 55	26.30 220	51.732 50	24.67 4	39.22 15	65.59 310
21.5	19.322 29	73.12 292	29.821 123	23.98 232	51.818 86	24.63 4	39.16 6	62.29 330
31.5	19.399 77	70.20 292	30.009 188	21.58 240	51.939 121	24.50 13	39.17 1	58.91 338
	123	282	248	242	153	24	11	333
2 10.5	19.522	67.38	30.257	19.16	52.092	24.26	39.28	55.58
20.4	19.689 167	64.79 259	30.561 304	16.79 237	52.275 183	23.90 36	39.47 19	52.42 316
	210	225	354	229	212	49	27	285
3 1.4	19.899	62.54	30.915	14.50	52.487	23.41	39.74	49.57
11.4	20.147 248	60.69 185	31.314 399	12.33 217	52.725 238	22.76 65	40.08 34	47.13 244
21.4	20.429 282	59.35 134	31.753 439	10.34 199	52.987 262	21.98 78	40.48 40	45.19 194
31.3	20.739 310	58.54 81	32.225 472	8.55 179	53.269 282	21.05 93	40.94 46	43.83 136
	332	23	500	154	302	106	49	74
4 10.3	21.071	58.31	32.725	7.01	53.571	19.99	41.43	43.09
20.3	21.419 348	58.66 35	33.244 519	5.74 127	53.886 315	18.84 115	41.95 52	42.99 10
30.3	21.773 354	59.58 92	33.774 530	4.79 96	54.211 325	17.61 123	42.47 52	43.53 54
	353	144	533	64	330	127	52	115
5 10.2	22.126	61.02	34.307	4.14	54.541	16.34	42.99	44.68
20.2	22.470 344	62.93 191	34.832 525	3.85 29	54.868 327	15.08 126	43.49 50	46.39 171
30.2	22.795 325	65.25 232	35.339 507	3.91 6	55.186 318	13.87 121	43.96 47	48.62 223
	298	266	478	41	303	113	41	266
6 9.1	23.093	67.91	35.817	4.32	55.489	12.74	44.37	51.28
19.1	23.358 265	70.83 292	36.254 437	5.08 76	55.769 280	11.72 102	44.73 36	54.30 302
29.1	23.582 224	73.93 310	36.641 387	6.17 109	56.019 250	10.85 87	45.02 29	57.60 330
	177	319	327	138	214	70	21	348
7 9.1	23.759	77.12	36.968	7.55	56.233	10.15	45.23	61.08
19.0	23.885 126	80.33 321	37.226 258	9.18 163	56.407 174	9.42 53	45.37 14	64.66 358
28.9	23.959 74	83.49 316	37.410 184	11.01 183	56.536 129	9.28 34	45.42 5	68.26 360
	19	302	107	197	81	16	4	354
8 7.9	23.978	86.51	37.517	12.98	56.617	9.12	45.38	71.80
17.9	23.945 33	89.35 284	37.544 27	15.01 203	56.652 35	9.12 6	45.26 12	75.19 339
27.9	23.862 83	91.93 258	37.495 49	17.04 203	56.641 11	9.26 14	45.07 19	78.36 317
	130	228	122	193	54	27	27	289
9 6.9	23.732	94.21	37.373	18.97	56.587	9.53	44.80	81.25
16.9	23.564 168	96.15 194	37.188 185	20.73 176	56.497 90	9.89 36	44.47 33	83.80 255
26.8	23.363 201	97.70 155	36.950 238	22.25 152	56.377 120	10.31 42	44.09 38	85.95 215
	224	112	276	121	141	45	42	169
10 6.8	23.139	98.82	36.674	23.46	56.236	10.76	43.67	87.54
16.8	22.901 238	99.50 68	36.375 299	24.31 85	56.083 153	11.22 46	43.22 45	88.85 121
26.8	22.660 241	99.72 22	36.069 306	24.76 45	55.928 155	11.65 43	42.75 47	89.52 67
	236	26	296	1	147	40	46	12
11 5.7	22.424	99.46	35.773	24.77	55.781	12.05	42.29	89.44
15.7	22.203 221	98.71 75	35.502 271	24.36 41	55.699 132	12.40 35	41.84 45	89.20 44
25.7	22.006 197	97.50 121	35.270 232	23.53 83	55.541 108	12.70 30	41.42 42	88.18 102
	167	165	180	123	78	24	39	156
12 5.6	21.839	95.85	35.090	22.30	55.463	12.94	41.03	86.62
15.6	21.708 131	93.79 206	34.970 120	20.73 157	55.418 45	13.13 19	40.70 33	84.55 207
25.6	21.619 89	91.39 240	34.915 55	18.87 186	55.410 8	13.25 12	40.44 26	82.03 252
	44	266	14	210	29	6	20	289
35.6	21.575	88.73	34.929	16.77	55.439	13.31	40.24	79.14
半径 Sec δ tan δ	s 21.628 +1.307	″ 81.47 +0.842	s 32.744 +1.831	″ 12.92 −1.534	s 53.750 +1.051	″ 13.11 −0.325	s 42.674 +2.189	″ 68.13 +1.947
2回正中	7月27日		7月27日		7月28日		7月29日	
a b	+0.1074	+0.0323	+0.2367	−0.0592	+0.1707	−0.0129	+0.0499	+0.0785
a′ b′	+0.5749	+0.8183	+0.5791	+0.8153	+0.5945	+0.8041	+0.6043	+0.7968
FK3番号	765		764		766		767	

本初子午線正中時

星名	ε Delf		73 Drac		α Indi		† β Delfm	
等級 スペクトル型	3.98	B5	5.18	A2p	3.21	K0	3.72	F5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月日	h m 20 30	° ′ +11 7	h m 20 32	° ′ +74 46	h m 20 33	° ′ −47 28	h m 20 35	° ′ +14 24
	s	″	s	″	s	″	s	″
1 1.6	41.674	24.57	7.81	38.25	52.480	43.46	4.584	41.11
11.6	41.698 24	22.93 164	7.44 37	35.22 303	52.521 41	41.78 168	4.600 16	39.33 178
21.5	41.756 58	21.27 166	7.22 22	31.94 328	52.616 95	39.94 184	4.451 51	37.52 181
31.5	41.849 93	19.66 161	7.15 7	28.54 340	52.761 145	37.99 195	4.737 86	35.75 177
	125	148	9	340	193	200	118	165
2 10.5	41.974	18.18	7.24	25.14	52.954	35.99	4.855	34.10
20.4	42.130 156	16.88 130	7.49 25	21.89 325	53.192 238	33.95 204	5.006 151	32.43 147
	186	103	39	299	279	201	182	119
3 1.4	42.316	15.85	7.88	18.90	53.471	31.94	5.188	31.44
11.4	42.529 213	15.12 73	8.40 52	16.30 260	53.787 316	29.99 197	5.399 211	30.56 88
21.4	42.769 240	14.75 37	9.04 64	14.17 213	54.137 350	28.08 189	5.636 237	30.06 50
31.3	43.030 261	14.76 1	9.77 93	12.61 156	54.517 380	26.32 176	5.896 260	29.95 11
	281	40	80	96	405	162	281	31
4 10.3	43.311	15.16	10.57	11.65	54.922	24.70	6.177	30.26
20.3	43.607 296	15.94 78	11.40 83	11.33 92	55.346 424	23.28 142	6.473 296	30.97 71
30.3	43.912 305	17.07 113	12.25 85	11.65 32	55.784 438	22.07 121	6.780 307	32.07 110
	309	145	84	94	443	96	311	144
5 10.2	44.221	18.52	13.09	12.59	56.227	21.11	7.091	33.51
20.2	44.527 306	20.24 172	13.88 79	14.11 152	56.669 442	20.42 69	7.400 309	35.26 175
30.2	44.824 297	22.18 194	14.60 72	16.17 206	57.099 430	20.04 38	7.700 300	37.25 199
	281	209	65	251	409	8	283	217
6 9.1	45.105	24.27	15.25	18.68	57.508	19.96	7.983	39.42
19.1	45.362 257	26.46 219	15.78 53	21.59 291	57.888 380	20.19 23	8.243 260	41.71 229
29.1	45.590 228	28.67 221	16.20 42	24.80 321	58.228 340	20.73 54	8.474 231	44.05 234
	193	219	29	343	293	83	195	234
7 9.1	45.783	30.86	16.49	28.23	58.521	21.56	8.669	46.39
19.0	45.936 153	32.98 212	16.64 15	31.90 357	58.759 238	22.65 109	8.820 155	48.67 228
29.0	46.046 110	34.97 199	16.65 1	35.42 362	58.937 178	23.96 131	8.936 112	50.84 217
	65	183	13	359	114	148	67	201
8 7.9	46.111	36.80	16.52	39.01	59.051	25.44	9.003	52.85
17.9	46.132 21	38.43 163	16.25 27	42.49 348	59.100 49	27.04 160	9.025 22	54.66 181
27.9	46.110 22	39.85 142	15.86 39	45.79 330	59.086 14	28.69 165	9.004 21	56.26 160
	62	117	52	305	75	164	61	134
9 6.9	46.048	41.02	15.34	48.84	59.011	30.33	8.943	57.60
16.9	45.952 96	41.95 93	14.72 62	51.56 272	58.883 128	31.88 155	8.847 96	58.69 109
26.8	45.828 124	42.62 67	14.01 71	53.91 235	58.711 172	33.27 139	8.722 125	59.49 80
	144	40	78	192	206	118	145	53
10 6.8	45.684	43.02	13.23	55.83	58.505	34.45	8.577	60.02
16.8	45.529 155	43.16 14	12.39 84	57.26 143	58.279 226	35.35 90	8.419 158	60.25 23
26.8	45.370 159	43.03 13	11.53 86	58.17 91	58.045 234	35.94 59	8.257 162	60.20 5
	153	39	88	35	228	25	156	35
11 5.7	45.217	42.64	10.65	58.52	57.817	36.19	8.101	59.85
15.7	45.078 139	42.01 63	9.79 86	58.30 22	57.608 209	36.08 71	7.956 145	59.22 63
25.7	44.959 119	41.13 88	8.96 83	57.50 80	57.428 180	35.62 46	7.832 124	58.32 90
	93	111	76	138	140	79	100	115
12 5.7	44.866	40.02	8.20	56.12	57.288	34.83	7.732	57.17
15.6	44.803 63	38.73 129	7.52 68	54.21 191	57.194 94	33.73 110	7.662 70	55.79 138
25.6	44.773 30	37.27 146	6.95 57	51.81 240	57.151 43	32.36 137	7.625 37	54.23 156
	4	158	45	280	10	159	4	170
35.6	44.777	35.69	6.50	49.01	57.161	30.77	7.621	52.53
半径 Sec δ tan δ	s 43.661 +1.019	″ 31.38 +0.197	s 12.955 +3.809	″ 36.44 +3.675	s 53.060 +1.479	″ 27.85 −1.090	s 8.573 +1.033	″ 47.30 +0.257
2回正中	7月30日		7月30日		7月30日		7月31日	
a b	+0.1430	+0.0080	−0.0396	+0.1310	+0.2102	−0.0452	+0.1400	+0.0107
a′ b′	+0.6113	+0.7914	+0.6164	+0.7874	+0.6222	+0.7828	+0.6263	+0.7796
FK3番号	768		770		769		771	

本初子午線正中時

星名	κ Delf		υ Capr		α Delf		α Cygn	
等級 / スペクトル型	5.23	G5	5.33	M0	3.86	B8	1.33	A2p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 20 36	° ′ + 9 53	h m 20 37	° ′ − 18 19	h m 20 37	° ′ + 15 43	h m 20 39	° ′ + 45 5
1 1.6	s 34.191	″ 59.59	s 34.49	″ 35.06	s 11.303	″ 33.03	s 37.051	″ 36.40
11.6	34.212 21	58.03 156	34.88 39	35.06 0	11.316 13	31.21 182	36.994 57	33.59 281
21.5	34.266 54	56.46 157	35.62 74	34.98 8	11.363 47	29.34 187	36.988 6	30.62 297
31.5	34.354 88	54.94 152	36.72 110	34.79 19	11.445 82	27.51 183	37.032 44	27.61 301
	121	140	141	30	116	172	96	296
2 10.5	34.475	53.54	38.13	34.49	11.561	25.79	37.128	24.65
20.4	34.626 151	52.32 122	39.86 173	34.07 42	11.709 148	24.26 153	37.274 146	21.88 277
	182	97	201	57	179	126	195	248
3 1.4	34.808	51.35	41.87	33.50	11.888	23.00	37.469	19.40
11.4	35.017 209	50.69 66	44.16 229	32.79 71	12.097 209	22.06 94	37.708 239	17.31 209
21.4	35.253 236	50.36 33	46.70 254	31.93 86	12.333 236	21.50 56	37.988 280	15.70 161
31.3	35.512 259	50.41 5	49.47 277	30.93 100	12.593 260	21.35 15	38.303 315	14.63 107
	278	42	296	113	281	28	344	49
4 10.3	35.790	50.83	52.43	29.80	12.874	21.61	38.647	14.14
20.3	36.084 294	51.63 80	55.56 313	28.58 122	13.171 297	22.30 69	39.010 363	14.24 70
30.3	36.389 305	52.77 114	58.80 324	27.28 130	13.478 307	23.38 108	39.385 375	14.92 68
	310	144	331	133	312	144	378	125
5 10.2	36.699	54.21	62.11	25.95	13.790	24.82	39.763	16.17
20.2	37.007 308	55.92 171	65.41 330	24.63 132	14.100 310	26.57 175	40.133 370	17.93 176
30.2	37.307 300	57.84 192	68.64 323	23.35 128	14.401 301	28.58 201	40.486 353	20.14 221
	285	206	309	118	284	220	328	260
6 9.1	37.592	59.90	71.73	22.17	14.685	30.78	40.814	22.74
19.1	37.854 262	62.05 215	74.60 287	21.10 107	14.947 262	33.11 233	41.107 293	25.64 290
29.1	38.087 233	64.22 217	77.19 259	20.19 91	15.179 232	35.51 240	41.358 251	28.78 314
	199	215	224	74	196	240	203	328
7 9.1	38.286	66.37	79.43	19.45	15.375	37.91	41.561	32.06
19.0	38.446 160	68.44 207	81.27 184	18.90 55	15.532 157	40.25 234	41.711 150	35.40 334
29.0	38.563 117	70.39 195	82.67 140	18.54 36	15.645 113	42.48 223	41.805 94	38.73 333
	72	178	92	17	68	208	36	325
8 7.9	38.635	72.17	83.59	18.37	15.713	44.56	41.841	41.98
17.9	38.663 28	73.76 159	84.05 46	18.38 7	15.736 23	46.45 189	41.820 21	45.06 308
27.9	38.648 15	75.13 137	84.04 7	18.54 16	15.715 21	48.12 167	41.745 75	47.92 286
	55	114	44	29	61	142	125	259
9 6.9	38.593	76.21	83.60	18.83	15.654	49.54	41.620	50.51
16.9	38.504 89	77.17 90	82.78 82	19.22 39	15.558 96	50.69 115	41.450 170	52.76 225
26.8	38.386 118	77.81 64	81.65 113	19.67 45	15.433 125	51.56 87	41.243 207	54.63 187
	139	39	135	49	146	57	236	145
10 6.8	38.247	78.20	80.30	20.16	15.287	52.13	41.007	56.08
16.8	38.095 152	78.33 13	78.80 150	20.66 50	15.128 159	52.41 28	40.753 254	57.08 100
26.8	37.940 155	78.21 72	77.27 153	21.13 47	14.965 163	52.39 2	40.491 262	57.60 52
	150	36	148	43	159	33	262	2
11 5.7	37.790	77.85	75.79	21.56	14.806	52.06	40.229	57.62
15.7	37.652 138	77.24 61	74.45 134	21.94 38	14.660 146	51.44 62	39.978 251	57.14 48
25.7	37.534 118	76.41 83	73.33 112	22.26 32	14.532 128	50.54 90	39.747 231	56.15 99
	94	105	85	25	102	117	204	147
12 5.7	37.440	75.36	72.48	22.51	14.430	49.37	39.543	54.68
15.6	37.376 64	74.13 123	71.96 52	22.69 18	14.356 74	47.97 140	39.374 169	52.77 191
25.6	37.343 33	72.74 139	71.78 18	22.79 10	14.315 41	46.37 160	39.245 129	50.46 231
35.6	37.345 2	71.25 149	71.97 19	22.82 3	14.308 7	44.63 174	39.162 83	47.84 262
中位	s 36.159	″ 66.55	s 3.479	″ 23.18	s 13.294	″ 38.95	s 39.455	″ 37.35
Sec δ Tan δ	+1.015	+0.175	+1.053	−0.331	+1.039	+0.282	+1.417	+1.003
2回正中	7月 31日		7月 31日		7月 31日		8月 1日	
a b	+0.1443	+0.0074	+0.1704	−0.0140	+0.1388	+0.0119	+0.1020	+0.0429
a′ b′	+0.6314	+0.7755	+0.6330	+0.7741	+0.6335	+0.7738	+0.6416	+0.7670
FK3番号	772		773		774		777	

本初子午線正中時

星名	η Indi		β Pavo		δ Delf		φ Capr	
等級 / スペクトル型	4.70	F0	3.60	A5	4.53	A5	4.26	F8
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 20 40	° ′ − 52 6	h m 20 40	° ′ − 66 23	h m 20 40	° ′ + 14 52	h m 20 42	° ′ − 25 27
1 1.6	s 11.151	″ 46.69	s 14.09	″ 48.65	s 59.830	″ 66.91	s 59.107	″ 46.19
11.6	11.179 28	44.77 192	14.09 0	46.04 261	59.840 10	65.14 177	59.142 35	45.77 42
21.5	11.266 87	42.67 210	14.18 9	43.25 279	59.884 44	63.32 182	59.214 72	45.24 53
31.5	11.409 143	40.47 220	14.36 18	40.35 290	59.963 79	61.55 177	59.322 108	44.59 65
	197	228	26	292	112	167	143	76
2 10.5	11.606	38.19	14.62	37.43	60.075	59.88	59.465	43.83
20.5	11.853 247	35.90 229	14.97 35	34.54 289	60.220 145	58.40 148	59.641 176	42.96 87
	293	226	42	279	176	122	206	97
3 1.4	12.146	33.64	15.39	31.75	60.396	57.18	59.847	41.99
11.4	12.481 335	31.45 219	15.87 48	29.12 263	60.601 205	56.28 90	60.082 235	40.90 109
21.4	12.855 374	29.37 208	16.42 55	26.70 242	60.834 233	55.75 53	60.344 262	39.72 118
31.3	13.262 407	27.44 193	17.02 60	24.54 216	61.091 257	55.61 14	60.630 286	38.46 126
	435	174	63	185	278	28	308	132
4 10.3	13.697	25.70	17.65	22.89	61.369	55.89	60.938	37.14
20.3	14.155 458	24.19 151	18.32 67	21.17 152	61.664 295	56.58 69	61.264 326	35.80 134
30.3	14.629 474	22.93 126	19.01 69	20.03 114	61.970 306	57.66 108	61.602 338	34.45 135
	481	96	70	75	312	144	346	131
5 10.2	15.110	21.97	19.71	19.28	62.282	59.10	61.948	33.14
20.2	15.590 480	21.31 66	20.40 69	18.94 34	62.592 310	60.84 174	62.298 346	31.91 123
30.2	16.058 468	20.99 32	21.07 67	19.03 9	62.894 302	62.83 199	62.634 340	30.79 112
	447	3	64	51	287	217	327	97
6 9.2	16.505	21.02	21.71	19.54	63.181	65.00	62.961	29.82
19.1	16.920 415	21.38 36	22.29 58	20.46 92	63.445 264	67.31 231	63.266 305	29.03 79
29.1	17.293 373	22.08 70	22.82 53	21.76 130	63.679 234	69.67 236	63.541 275	28.44 59
	323	101	44	165	200	237	241	38
7 9.1	17.616	23.09	23.26	23.41	63.879	72.04	63.782	28.06
19.0	17.879 263	24.38 129	23.62 36	25.35 194	64.039 160	74.35 231	63.980 198	27.89 17
29.0	18.078 199	25.91 153	23.89 27	27.52 217	64.157 118	76.55 220	64.133 153	27.93 4
	129	171	16	235	72	205	104	25
8 7.9	18.207	27.62	24.05	29.87	64.229	78.60	64.237	28.18
17.9	18.265 58	29.44 182	24.10 5	32.28 241	64.256 27	80.46 186	64.291 54	28.59 41
27.9	18.254 11	31.32 188	24.05 5	34.70 242	64.240 16	82.10 164	64.297 6	29.15 56
	79	184	15	232	57	139	41	66
9 6.9	18.175	33.16	23.90	37.02	64.183	83.49	64.256	29.81
16.9	18.038 137	34.90 174	23.66 24	39.15 213	64.091 92	84.62 113	64.175 81	30.53 72
26.9	17.850 188	36.47 157	23.35 31	41.01 186	63.970 121	85.47 85	64.060 115	31.27 74
	226	131	38	150	143	57	140	72
10 6.8	17.624	37.78	22.97	42.51	63.827	86.04	63.920	31.99
16.8	17.373 251	38.79 101	22.56 41	43.60 109	63.670 157	86.31 27	63.765 155	32.64 65
26.8	17.112 261	39.44 65	22.12 44	44.22 62	63.510 160	86.30 1	63.603 162	33.21 57
	258	27	44	11	158	32	157	45
11 5.7	16.854	39.71 13	21.68	44.33 40	63.352	85.98	63.446	33.66
15.7	16.614 240	39.58 52	21.27 41	43.93 91	63.207 145	85.39 59	63.303 143	33.98 32
25.7	16.405 209	39.06 91	20.90 37	43.02 138	63.080 127	84.51 88	63.181 122	34.15 17
	168		30		103	113	94	3
12 5.7	16.237	38.15	20.60	41.64	62.977	83.38	63.087	34.18
15.6	16.118 119	36.90 125	20.36 24	39.83 181	62.902 75	82.02 136	63.027 60	34.08 10
25.6	16.054 64	35.35 155	20.21 15	37.65 218	62.859 43	80.47 155	63.002 25	33.84 24
35.6	16.047 7	33.53 182	20.15 6	35.16 249	62.850 9	78.78 169	63.015 13	33.47 37
中位	s 13.869	″ 30.24	s 17.857	″ 31.17	s 61.806	″ 72.91	s 61.180	″ 32.99
Sec δ Tan δ	+1.628	−1.285	+2.497	−2.288	+1.035	+0.266	+1.108	−0.476
2回正中	8月 1日		8月 1日		8月 1日		8月 2日	
a b	+0.2189	−0.0551	+0.2701	−0.0982	+0.1398	+0.0115	+0.1774	−0.0207
a′ b′	+0.6436	+0.7654	+0.6438	+0.7652	+0.6462	+0.7631	+0.6528	+0.7573
FK3番号	776		775		778		779	

本初子午線正中時

星名	6 H. Ceph		ε Cygn		η Ceph		ε Aqar	
等級スペクトル型	4.63	G0	2.64	K0	3.59	K0	3.83	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 20 44	° ′ +57 23	h m 20 44	° ′ +33 46	h m 20 44	° ′ +61 37	h m 20 44	° ′ −9 41
	s	″	s	″	s	″	s	″
1 16	0.762 128	34.15 295	41.63 26	25.75 248	10.89 17	72.43 295	49.766 28	25.11 49
11.6	0.634 61	31.20 317	41.37 13	23.27 259	10.72 8	68.48 319	49.794 62	25.60 43
21.5	0.573 8	28.03 328	41.52 57	20.68 263	10.64 1	66.29 329	49.856 94	26.03 34
31.5	0.581 80	24.75 325	42.09 98	18.05 254	10.63 7	63.00 329	49.950 126	26.37 21
2 10.5	0.661 149	21.50 309	43.07 139	15.51 236	10.70 16	59.71 314	50.076 156	26.58 7
20.5	0.810 216	18.41 283	44.46 178	13.15 207	10.86 23	56.57 288	50.232 185	26.65 12
3 1.4	1.026 279	15.58 244	46.24 215	11.08 171	11.09 31	53.69 250	50.417 212	26.53 32
11.4	1.305 335	13.14 196	48.39 250	9.37 125	11.40 37	51.19 202	50.629 237	26.21 53
21.4	1.640 383	11.18 141	50.89 279	8.12 77	11.77 42	49.17 147	50.866 261	25.68 74
31.3	2.023 420	9.77 80	53.68 304	7.35 23	12.19 47	47.70 86	51.127 282	24.94 95
4 10.3	2.443 446	8.97 19	56.72 324	7.12 30	12.66 49	46.84 23	51.409 298	23.99 114
20.3	2.889 460	8.78 45	59.96 335	7.42 83	13.15 51	46.61 40	51.707 311	22.85 130
30.3	3.349 462	9.23 105	63.31 340	8.25 133	13.66 51	47.01 102	52.018 318	21.55 142
5 10.2	3.811 450	10.28 161	66.71 337	9.58 177	14.17 50	48.03 159	52.336 319	20.13 150
20.2	4.261 425	11.89 212	70.08 325	11.35 217	14.67 47	49.62 211	52.655 313	18.63 153
30.2	4.686 391	14.01 257	73.33 305	13.52 250	15.14 42	51.73 257	52.968 300	17.10 152
6 9.2	5.077 345	16.58 293	76.38 278	16.02 275	15.56 38	54.30 296	53.268 280	15.58 145
19.1	5.422 290	19.51 322	79.16 243	18.77 292	15.94 31	57.26 325	53.548 253	14.13 136
29.1	5.712 227	22.73 341	81.59 202	21.69 303	16.25 24	60.51 346	53.801 219	12.77 123
7 9.1	5.939 159	26.14 353	83.61 158	24.72 305	16.49 16	63.97 359	54.020 182	11.54 106
19.0	6.098 89	29.67 357	85.19 109	27.77 301	16.65 8	67.56 364	54.202 139	10.48 89
29.0	6.187 16	33.24 351	86.28 58	30.78 290	16.73 1	71.20 360	54.341 94	9.59 70
8 7.9	6.203 56	36.75 338	86.86 8	33.68 273	16.74 8	74.80 348	54.435 48	8.89 51
17.9	6.147 124	40.13 319	86.94 39	36.41 251	16.66 15	78.28 330	54.483 5	8.38 33
27.9	6.023 187	43.32 293	86.55 85	38.92 223	16.51 23	81.58 303	54.488 58	8.05 16
9 6.9	5.836 244	46.25 260	85.70 124	41.15 192	16.28 28	84.61 271	54.450 74	7.89 0
16.9	5.592 292	48.85 221	84.46 157	43.07 157	16.00 34	87.32 233	54.376 105	7.89 12
26.9	5.300 329	51.06 178	82.89 182	44.64 119	15.66 39	89.65 190	54.271 127	8.01 24
10 6.8	4.971 356	52.84 131	81.07 198	45.83 79	15.27 41	91.55 142	54.144 141	8.25 33
16.8	4.615 371	54.15 80	79.09 205	46.62 36	14.86 43	92.97 90	54.003 146	8.58 39
26.8	4.244 374	54.95 25	77.04 204	46.98 7	14.43 44	93.87 36	53.857 143	8.97 44
11 5.7	3.870 365	55.20 30	75.00 193	46.91 51	13.99 43	94.23 21	53.714 130	9.41 48
15.7	3.505 344	54.90 85	73.07 176	46.40 95	13.56 40	94.02 78	53.584 111	9.89 51
25.7	3.161 313	54.05 140	71.31 150	45.45 135	13.16 38	93.24 134	53.473 86	10.40 53
12 5.7	2.848 272	52.65 190	69.81 121	44.10 174	12.78 32	91.90 185	53.387 56	10.93 52
15.6	2.576 222	50.75 236	68.60 86	42.36 206	12.46 27	90.05 233	53.331 25	11.45 52
25.6	2.354 163	48.39 274	67.74 48	40.30 232	12.19 21	87.72 273	53.306 9	11.97 49
35.6	2.191	45.65	67.26	37.98	11.98	84.99	53.315	12.46
平位	s 3.653	″ 3.20	s 6.317	″ 28.28	s 14.060	″ 70.96	s 51.718	″ 14.56
Sec δ Tan δ	+1.856	+1.563	+1.203	+0.669	+2.105	+1.852	+1.014	−0.171
2回正中	8月 2日		8月 2日		8月 2日		8月 2日	
a b	+0.0747	+0.0684	+0.1197	+0.0293	+0.0602	+0.0811	+0.1619	−0.0075
a′ b′	+0.6563	+0.7545	+0.6564	+0.7544	+0.6568	+0.7540	+0.6589	+0.7522
FK3番号	782		780		783		781	

本初子午線正中時

星名	14 λ Cygnm		β Indi		32 Vulp		ν Cygn	
等級スペクトル型	4.47	B5	3.72	K0	5.24	K5	4.04	A0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 20 45	° ′ +36 17	h m 20 50	° ′ −58 38	h m 20 52	° ′ +27 51	h m 20 55	° ′ +40 57
	s	″	s	″	s	″	s	″
1 1.6	20.667 34	53.42 254	42.704 1	84.85 223	18.461 21	28.68 224	11.679 58	57.43 261
11.6	20.633 7	50.88 269	42.703 67	82.62 243	18.440 16	26.44 235	11.621 14	54.82 277
21.5	20.640 51	48.19 272	42.770 134	80.19 256	18.456 54	24.09 236	11.607 32	52.05 284
31.5	20.691 95	45.47 265	42.904 200	77.63 264	18.510 92	21.73 228	11.639 78	49.21 280
2 10.5	20.786 137	42.82 247	43.104 260	74.99 265	18.602 129	19.45 211	11.717 125	46.41 265
20.5	20.923 177	40.35 218	43.364 316	72.34 260	18.731 166	17.34 184	11.842 171	43.76 237
3 1.4	21.100 217	38.17 181	43.680 370	69.74 251	18.897 201	15.50 150	12.013 213	41.39 202
11.4	21.317 252	36.36 137	44.050 416	67.23 237	19.098 234	14.00 108	12.226 254	39.37 157
21.4	21.569 284	34.99 85	44.466 457	64.86 217	19.332 262	12.92 62	12.480 289	37.80 106
31.4	21.853 309	34.14 32	44.923 494	62.69 194	19.594 288	12.30 12	12.769 318	36.74 51
4 10.3	22.162 329	33.82 23	45.417 521	60.75 167	19.882 307	12.18 27	13.087 341	36.23 5
20.3	22.491 341	34.05 77	45.938 542	59.08 135	20.189 321	12.55 86	13.428 356	36.28 62
30.3	22.832 347	34.82 129	46.480 552	57.73 102	20.510 327	13.41 132	13.784 363	36.90 117
5 10.2	23.179 342	36.11 175	47.032 552	56.71 65	20.837 327	14.73 173	14.147 360	38.07 166
20.2	23.521 330	37.86 217	47.584 541	56.06 26	21.164 317	16.46 210	14.507 348	39.73 210
30.2	23.851 310	40.03 250	48.125 519	55.80 12	21.481 302	18.56 238	14.855 327	41.83 249
6 9.2	24.161 282	42.53 278	48.644 483	55.92 51	21.783 277	20.94 261	15.182 299	44.32 280
19.1	24.443 245	45.31 297	49.127 437	56.43 88	22.060 246	23.55 276	15.481 261	47.12 302
29.1	24.688 205	48.28 308	49.564 379	57.31 12	22.306 208	26.31 284	15.742 218	50.14 317
7 9.1	24.893 157	51.36 312	49.943 312	58.54 153	22.514 169	29.15 285	15.960 170	53.31 325
19.1	25.050 108	54.48 309	50.255 238	60.07 180	22.681 121	32.00 280	16.130 117	56.56 324
29.0	25.158 56	57.57 298	50.493 158	61.87 199	22.802 73	34.80 268	16.247 63	59.80 317
8 7.9	25.214 5	60.55 283	50.651 76	63.86 211	22.875 25	37.48 251	16.310 9	62.97 302
17.9	25.219 44	63.38 260	50.727 7	65.97 216	22.900 22	39.99 229	16.319 40	65.99 282
27.9	25.175 91	65.98 232	50.720 85	68.13 213	22.878 64	42.28 203	16.276 92	68.81 256
9 6.9	25.084 131	68.30 201	50.635 156	70.26 200	22.814 103	44.31 174	16.184 136	71.37 224
16.9	24.953 164	70.31 166	50.479 219	72.26 180	22.711 136	46.05 141	16.048 172	73.61 189
26.9	24.789 191	71.97 126	50.260 266	74.06 151	22.575 159	47.46 106	15.876 201	75.50 149
10 6.8	24.598 207	73.23 86	49.994 301	75.57 117	22.416 177	48.52 69	15.675 221	76.99 107
16.8	24.391 215	74.09 41	49.693 317	76.74 76	22.239 183	49.21 31	15.454 232	78.06 61
26.8	24.176 214	74.50 4	49.376 318	77.50 32	22.056 184	49.52 9	15.222 234	78.67 14
11 5.8	23.962 204	74.46 49	49.058 307	77.82 13	21.872 174	49.43 48	14.988 226	78.81 34
15.7	23.758 187	73.97 94	48.756 270	77.69 60	21.698 157	48.95 87	14.762 210	78.47 82
25.7	23.571 162	73.03 137	48.486 227	77.09 103	21.541 136	48.08 124	14.552 187	77.65 129
12 5.7	23.409 131	71.66 176	48.259 172	76.06 144	21.405 108	46.84 158	14.365 157	76.36 172
15.6	23.278 96	69.90 211	48.087 109	74.62 179	21.297 76	45.26 186	14.208 122	74.64 210
25.6	23.182 57	67.79 240	47.978 43	72.83 210	21.221 41	43.40 211	14.086 82	72.54 242
35.6	23.125	65.39	47.935	70.73	21.180	41.29	14.004	70.12
平位	s 22.861	″ 55.48	s 45.676	″ 67.16	s 20.514	″ 31.96	s 13.943	″ 58.25
Sec δ Tan δ	+1.241	+0.735	+1.922	−1.642	+1.131	+0.529	+1.324	+0.868
2回正中	8月 2日		8月 4日		8月 4日		8月 5日	
a b	+0.1166	+0.0324	+0.2338	−0.0742	+0.1276	+0.0241	+0.1116	+0.0401
a′ b′	+0.6606	+0.7507	+0.6780	+0.7350	+0.6831	+0.7303	+0.6922	+0.7217
FK3番号	784		785		786		788	

本初子午線正中時

星名	11 Aqar		α Octn		ζ Micr		ξ Cygn	
等級 / スペクトル型	6.26	G0	5.24	F2	5.35	F0	3.92	K5
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 20 57	° ′ − 4 55	h m 20 58	° ′ −77 13	h m 20 59	° ′ −38 50	h m 21 2	° ′ +43 42
	s	″	s	″	s	″	s	″
1 1.6	47.657 14	65.89 72	23.80 17	47.72 297	36.757 13	25.04 117	59.923 77	70.64 260
11.6	47.671 46	66.61 69	23.63 p	44.75 320	36.770 56	23.87 135	59.846 32	68.04 280
21.5	47.717 78	67.30 59	23.63 17	41.55 332	36.826 99	22.52 150	59.814 77	65.24 290
31.5	47.795 109	67.89 48	23.80 33	38.23 338	36.925 140	21.02 162	59.831 66	62.34 287
2 10.5	47.904 139	68.37 31	24.13 48	34.85 333	37.065 178	19.40 171	59.897 115	59.47 274
20.5	48.043 168	68.68 12	24.61 63	31.52 323	37.243 215	17.69 178	60.012 163	56.73 249
3 1.4	48.211 197	68.80 70	25.24 76	28.29 303	37.458 250	15.91 181	60.176 210	54.24 213
11.4	48.408 224	68.70 35	26.00 88	25.26 279	37.708 283	14.10 182	60.385 253	52.11 171
21.4	48.632 249	68.35 61	26.88 98	22.47 249	37.991 313	12.28 180	60.638 292	50.40 119
31.4	48.881 271	67.74 86	27.86 106	19.98 213	38.304 340	10.48 174	60.930 323	49.21 65
4 10.3	49.152 290	66.88 109	28.92 112	17.85 173	38.644 362	8.74 165	61.253 350	48.56 7
20.3	49.442 304	65.79 129	30.04 116	16.12 130	39.006 379	7.09 152	61.603 366	48.49 51
30.3	49.746 314	64.50 147	31.20 119	14.82 84	39.385 391	5.57 135	61.969 374	49.00 106
5 10.2	50.060 316	63.03 160	32.39 118	13.98 37	39.776 394	4.22 114	62.343 373	50.06 156
20.2	50.376 311	61.43 167	33.57 115	13.61 72	40.170 390	3.08 91	62.716 362	51.62 207
30.2	50.687 301	59.76 170	34.72 109	13.73 60	40.560 377	2.17 65	63.078 341	53.69 245
6 9.2	50.988 283	58.06 168	35.81 102	14.33 107	40.937 355	1.52 37	63.419 312	56.14 278
19.1	51.271 257	56.38 161	36.83 91	15.40 149	41.292 325	1.15 8	63.731 274	58.92 303
29.1	51.528 225	54.77 151	37.74 79	16.89 189	41.617 287	1.07 22	64.005 230	61.95 321
7 9.1	51.753 188	53.26 136	38.53 64	18.78 223	41.904 241	1.29 49	64.235 180	65.16 331
19.1	51.941 147	51.90 120	39.17 47	21.01 249	42.145 190	1.78 74	64.415 127	68.47 332
29.0	52.088 103	50.70 101	39.64 30	23.50 268	42.335 135	2.52 96	64.542 70	71.79 327
8 7.9	52.191 58	49.69 82	39.94 11	26.18 278	42.470 78	3.48 115	64.612 15	75.06 314
17.9	52.249 14	48.87 61	40.05 7	28.96 278	42.548 22	4.63 127	64.627 40	78.20 295
27.9	52.263 28	48.26 42	39.98 25	31.74 267	42.570 33	5.90 134	64.587 91	81.15 270
9 6.9	52.235 64	47.84 24	39.73 42	34.41 248	42.537 81	7.24 134	64.496 136	83.85 239
16.9	52.171 96	47.60 7	39.31 57	36.89 218	42.456 124	8.58 129	64.360 176	86.24 205
26.9	52.075 119	47.53 8	38.74 68	39.07 178	42.332 156	9.87 118	64.184 207	88.29 165
10 6.8	51.956 135	47.61 21	38.06 78	40.85 132	42.176 178	11.05 100	63.977 229	89.94 122
16.8	51.821 142	47.82 33	37.28 84	42.17 79	41.998 190	12.05 78	63.748 243	91.16 75
26.8	51.679 140	48.15 43	36.44 85	42.96 22	41.808 189	12.83 53	63.505 246	91.91 28
11 5.8	51.539 131	48.58 51	35.59 83	43.18 36	41.619 178	13.36 25	63.259 240	92.19 22
15.7	51.408 114	49.09 59	34.76 78	42.82 95	41.441 158	13.61 3	63.019 226	91.97 72
25.7	51.294 92	49.68 65	33.98 69	41.87 150	41.283 129	13.58 32	62.793 205	91.25 120
12 5.7	51.202 65	50.33 68	33.29 57	40.37 201	41.154 93	13.26 59	62.588 176	90.05 166
15.6	51.137 35	51.01 72	32.72 43	38.36 245	41.061 54	12.67 84	62.412 141	88.39 206
25.6	51.102 4	51.73 71	32.29 27	35.91 281	41.007 11	11.83 107	62.271 101	86.33 241
35.6	51.098	52.44	32.02	33.10	40.996	10.76	62.170	83.92
平位	s 49.549	″ 56.12	s 29.556	″ 28.55	s 38.943	″ 9.14	s 62.232	″ 70.61
Sec&Tand	+1.004	−0.086	+4.522	−4.410	+1.284	−0.805	+1.384	+0.956
2回正中	8月 6日		8月 6日		8月 6日		8月 7日	
a b	+0.1574	−0.0040	+0.3626	−0.2065	+0.1913	−0.0379	+0.1089	+0.0457
a′ b′	+0.7004	+0.7138	+0.7024	+0.7117	+0.7060	+0.7082	+0.7164	+0.6977
FK3番号	789		787		790		792	

本初子午線正中時

星名	A Capr		61 Cygn pr		Br 2777 Ceph		ν Aqar	
等級 / スペクトル型	4.60	M0	5.57	K5	5.90	B9	4.52	K0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 21 4	° ′ −25 12	h m 21 4	° ′ +38 29	h m 21 6	° ′ +77 54	h m 21 6	° ′ −11 34
	s	″	s	″	s	″	s	″
1 1.6	3.396 13	67.82 41	31.547 46	32.79 239	28.33 62	62.17 269	43.893 9	71.48 35
11.6	3.409 49	67.41 59	31.501 5	30.40 257	27.71 45	59.48 302	43.902 41	71.83 27
21.6	3.458 85	66.87 68	31.496 39	27.83 263	27.26 26	56.46 325	43.943 94	72.10 17
31.5	3.543 118	66.19 81	31.535 83	25.20 260	27.00 7	53.21 334	44.017 105	72.27 3
2 10.5	3.661 152	65.38 95	31.618 127	22.60 244	26.93 74	49.87 331	44.122 135	72.30 72
20.5	3.813 184	64.43 107	31.745 171	20.16 219	27.07 32	46.56 313	44.257 166	72.18 30
3 1.4	3.997 214	63.36 119	31.916 213	17.97 184	27.39 51	43.43 286	44.423 194	71.88 99
11.4	4.211 243	62.17 130	32.129 252	16.13 140	27.90 67	40.57 244	44.617 222	71.39 69
21.4	4.454 270	60.87 139	32.381 287	14.73 92	28.57 81	38.13 196	44.839 248	70.70 89
31.4	4.724 295	59.48 146	32.668 316	13.81 37	29.38 92	36.17 140	45.087 272	69.81 109
4 10.3	5.019 316	58.02 151	32.984 340	13.44 77	30.30 99	34.77 79	45.359 293	68.72 126
20.3	5.335 333	56.51 151	33.324 356	13.61 73	31.29 104	33.98 16	45.652 308	67.46 141
30.3	5.668 343	55.00 147	33.680 364	14.34 125	32.33 104	33.82 46	45.960 319	66.05 151
5 10.3	6.011 348	53.53 140	34.044 364	15.59 174	33.37 102	34.28 107	46.279 323	64.54 157
20.2	6.359 344	52.13 128	34.408 353	17.33 217	34.39 96	35.35 164	46.602 321	62.97 158
30.2	6.703 335	50.85 114	34.761 335	19.50 255	35.35 87	36.99 214	46.923 312	61.39 156
6 9.2	7.038 316	49.71 95	35.096 308	22.05 284	36.22 76	39.13 260	47.235 294	59.83 148
19.1	7.354 290	48.76 74	35.404 273	24.89 306	36.98 63	41.73 297	47.529 270	58.35 137
29.1	7.644 257	48.02 52	35.677 233	27.95 321	37.61 47	44.70 327	47.799 239	56.98 121
7 9.1	7.901 218	47.50 28	35.910 185	31.16 328	38.08 32	47.97 349	48.038 202	55.77 105
19.1	8.119 173	47.22 5	36.095 136	34.44 326	38.40 15	51.46 362	48.240 160	54.72 85
29.0	8.292 124	47.17 17	36.231 83	37.70 319	38.55 3	55.08 367	48.400 117	53.87 64
8 8.0	8.416 76	47.34 36	36.314 31	40.89 305	38.52 19	58.75 365	48.517 70	53.23 45
17.9	8.492 26	47.70 53	36.345 20	43.94 285	38.33 36	62.40 355	48.587 26	52.78 25
27.9	8.518 20	48.23 67	36.325 69	46.79 259	37.97 51	65.95 336	48.613 78	52.53 7
9 6.9	8.498	48.90 75	36.256	49.38 228	37.46 66	69.31 312	48.595 56	52.46 8
16.9	8.435 63	49.65 79	36.146 110	51.66 194	36.80 78	72.43 280	48.539 89	52.54 22
26.9	8.336 99	50.44 80	35.999 147	53.60 155	36.02 89	75.23 242	48.450 115	52.76 32
10 6.8	8.210 146	51.24 74	35.823 196	55.15 114	35.13 98	77.65 198	48.335 132	53.08 40
16.8	8.064 155	51.98 67	35.627 207	56.29 70	34.15 105	79.63 149	48.203 140	53.48 46
26.8	7.909 155	52.65 55	35.420 209	56.99 24	33.10 108	81.12 95	48.063 141	53.94 48
11 5.8	7.754 146	53.20 42	35.211 203	57.23 22	32.02 109	82.07 38	47.922 132	54.42 50
15.7	7.608 128	53.62 26	35.008 188	57.01 68	30.93 108	82.45 21	47.790 116	54.92 49
25.7	7.480 104	53.88 12	34.820 166	56.33 113	29.85 102	82.24 80	47.674 95	55.41 49
12 5.7	7.376 75	54.00 4	34.654 139	55.20 155	28.83 95	81.44 139	47.579 69	55.90 45
15.7	7.301 41	53.96 20	34.515 106	53.65 191	27.88 85	80.06 192	47.510 40	56.35 42
25.6	7.260 7	53.76 34	34.409 69	51.74 222	27.03 71	78.13 241	47.470 8	56.77 37
35.6	7.253	53.42	34.340	49.52	26.32	75.72	47.462	57.14
平位	s 5.367	″ 54.00	s 33.746	″ 33.84	s 34.399	″ 57.67	s 45.767	″ 60.27
Sec&Tand	+1.105	−0.471	+1.278	+0.795	+4.777	+4.671	+1.021	−0.205
2回正中	8月 7日		8月 7日		8月 8日		8月 8日	
a b	+0.1751	−0.0226	+0.1166	+0.0382	−0.0605	+0.2264	+0.1627	−0.0099
a′ b′	+0.7196	+0.6944	+0.7210	+0.6929	+0.7271	+0.6865	+0.7277	+0.6859
FK3番号	791		793		795		794	

本初子午線正中時

星名	†Grb3415Cephm		ζ Cygn		23 G. Indi		†τ Cygn	
等級 スペクトル型	5.65	B2	3.40	K0	5.84	A5	3.82	F0
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 21 10	° ′ +59 45	h m 21 10	° ′ +30 0	h m 21 12	° ′ −53 28	h m 21 12	° ′ +37 49
	s	″	s	″	s	″	s	″
1 1.6	25.834 186	82.67 273	41.222 43	43.73 220	1.154 25/32	65.20 191	40.626 65	20.97 239
11.6	25.648 120	79.94 302	41.179 6/32	41.53 234	1.129	63.29 215	40.561 25/17	18.58 257
21.6	25.528 47/27	76.92 319	41.173	39.19 238	1.161 89	61.14 233	40.536	16.01 266
31.5	25.481	73.73 323	41.205 70	36.81 234	1.250 144	58.81 246	40.553 60	13.35 263
2 10.5	25.508 103	70.50 316	41.275 108	34.47 220	1.394 198	56.35 252	40.613 104	10.72 251
20.5	25.611 178	67.34 294	41.383 148	32.27 195	1.592 248	53.83 254	40.717 148	8.21 227
3 1.4	25.789 251	64.40 263	41.531 184	30.32 163	1.840 295	51.29 252	40.865 191	5.94 195
11.4	26.040 316	61.77 219	41.715 221	28.69 122	2.135 340	48.77 243	41.056 230	3.99 152
21.4	26.356 374	59.58 169	41.936 253	27.47 78	2.475 381	46.34 230	41.286 267	2.47 106
31.4	26.730 422	57.89 112	42.189 281	26.69 28	2.856 416	44.04 214	41.553 298	1.41 53
4 10.3	27.152 458	56.77 50/12	42.470 305	26.41 −22	3.272 447	41.90 191	41.851 324	0.88 −2
20.3	27.610 482	56.27 73	42.775 321	26.63 71	3.719 470	39.99 166	42.175 342	0.90 55
30.3	28.092 491	56.39	43.096 332	27.34 120	4.189 486	38.33 136	42.517 353	1.45 109
5 10.3	28.583 488	57.12 132	43.428 335	28.54 163	4.675 493	36.97 104	42.870 355	2.54 157
20.2	29.071 469	58.44 186	43.763 328	30.17 201	5.168 488	35.93 68	43.226 347	4.11 201
30.2	29.540 438	60.30 234	44.091 314	32.18 233	5.656 475	35.25 30	43.572 331	6.12 238
6 9.2	29.978 396	62.64 275	44.405 293	34.51 259	6.131 449	34.95 −9	43.903 306	8.50 270
19.1	30.374 342	65.39 309	44.698 263	37.10 278	6.580 412	35.02 45	44.209 274	11.20 292
29.1	30.716 280	68.48 335	44.961 226	39.88 288	6.992 366	35.47 81	44.483 235	14.12 309
7 9.1	30.996 211	71.83 352	45.187 185	42.76 293	7.358 310	36.28 115	44.718 189	17.21 316
19.1	31.207 138	75.35 360	45.372 140	45.69 290	7.668 247	37.43 144	44.907 141	20.37 318
29.0	31.345 61	78.95 362	45.512 92	48.59 281	7.915 178	38.87 169	45.048 89	23.55 311
8 8.0	31.406 −14	82.57 354	45.604 −44/3	51.40 266	8.093 106	40.56 186	45.137 −97/14	26.66 299
17.9	31.392 87	86.11 340	45.648 49	54.06 246	8.199 −33/38	42.42 197	45.174 63	29.65 280
27.9	31.305 158	89.51 318	45.643	56.52 222	8.232	44.39 201	45.160	32.45 256
9 6.9	31.147 221	92.69 290	45.594 89	58.74 193	8.194 103	46.40 195	45.097 105	35.01 227
16.9	30.926 276	95.59 255	45.505 124	60.67 161	8.091 161	48.35 182	44.992 143	37.28 193
26.9	30.650 323	98.14 215	45.381 152	62.28 126	7.930 207	50.17 161	44.849 173	39.21 156
10 6.8	30.327 357	100.29 170	45.229 170	63.54 90	7.723 241	51.78 132	44.676 194	40.77 116
16.8	29.970 381	101.99 121	45.059 182	64.44 50	7.482 262	53.10 99	44.482 208	41.93 73
26.8	29.589 393	103.20 67	44.877 185	64.94 10	7.220 267	54.09 59	44.274 212	42.66 28
11 5.8	29.196 393	103.87 12/45	44.692 179	65.04 −31	6.953 258	54.68 −18/26	44.062 208	42.94 −17
15.7	28.803 379	103.99	44.513 166	64.73 90	6.695 237	54.86	43.854 196	42.77 64
25.7	28.424 356	103.54 101	44.347 148	64.03 110	6.458 204	54.60 67	43.658 177	42.13 109
12 5.7	28.068 321	102.53 155	44.199 123	62.93 146	6.254 162	53.93 107	43.481 151	41.04 151
15.7	27.747 276	100.98 205	44.076 94	61.47 178	6.092 112	52.86 144	43.330 121	39.53 188
25.6	27.471 221	98.93 249	43.982 62	59.69 204	5.980 58	51.42 177	43.209 87	37.65 220
35.6	27.250	96.44	43.920	57.65	5.922	49.65	43.122	35.45
中位	s 28.791	″ 79.76	s 43.251	″ 45.93	s 3.662	″ 46.77	s 42.774	″ 21.54
Sec δ Tan δ	+1.986	+1.716	+1.155	+0.578	+1.680	−1.350	+1.266	+0.776
2回正中	8月 9日		8月 9日		8月 9日		8月 9日	
a b	+0.0762	+0.0845	+0.1274	+0.0285	+0.2136	−0.0669	+0.1188	+0.0386
a′ b′	+0.7387	+0.6740	+0.7394	+0.6733	+0.7433	+0.6689	+0.7452	+0.6668
FK3番号	798		797		796		799	

本初子午線正中時

星名	α Equl		ε Micr		α Ceph		ϑ′ Micr	
等級 スペクトル型	4.14	F8.A3	4.79	A0	2.60	A5	4.92	A2p
世界時	赤經	赤緯	赤經	赤緯	赤經	赤緯	赤經	赤緯
月 日	h m 21 13	° ′ + 5 1	h m 21 14	° ′ −32 23	h m 21 17	° ′ +62 21	h m 21 17	° ′ −41 1
	s	″	s	″	s	″	s	″
1 1.6	11.598 7/24	47.00 118	45.351 0	43.11 79	17.19 22	56.91 268	24.340 10/34	67.21 126
11.6	11.591	45.82 120	45.351 39	42.32 98	16.97 16	54.31 298	24.330	65.95 147
21.6	11.615 56	44.62 114	45.390 75	41.34 114	16.81 7/1	51.25 318	24.364 76	64.48 166
31.5	11.671 86	43.48 103	45.465 113	40.20 128	16.74	48.07 325	24.440 117	62.82 180
2 10.5	11.757 118	42.45 87	45.578 149	38.92 141	16.75 9	44.82 319	24.557 159	61.02 191
20.5	11.875 148	41.58 66	45.727 183	37.51 152	16.84 17	41.63 301	24.716 198	59.11 198
3 1.4	12.023 179	40.92 40	45.910 217	35.99 161	17.01 25	38.62 271	24.914 235	57.13 204
11.4	12.202 207	40.52 9	46.127 248	34.38 167	17.26 33	35.91 230	25.149 271	55.04 205
21.4	12.409 235	40.43 −22	46.375 279	32.71 172	17.59 39	33.61 180	25.420 305	53.04 202
31.4	12.644 260	40.65 56	46.654 306	30.99 173	17.98 44	31.81 124	25.725 335	51.02 195
4 10.3	12.904 281	41.21 87	46.960 330	29.26 170	18.42 49	30.57 63	26.060 361	49.07 186
20.3	13.185 297	42.08 118	47.290 348	27.56 164	18.91 51	29.94 −1/67	26.421 383	47.21 171
30.3	13.482 309	43.26 145	47.638 363	25.92 154	19.42 53	29.93	26.804 397	45.50 152
5 10.3	13.791 313	44.71 168	48.001 368	24.38 139	19.95 53	30.54 121	27.201 404	43.98 130
20.2	14.104 311	46.39 185	48.369 368	22.99 122	20.48 50	31.75 175	27.605 403	42.68 105
30.2	14.415 302	48.24 197	48.737 358	21.77 99	20.98 47	33.50 226	28.008 394	41.63 75
6 9.2	14.717 284	50.21 203	49.095 341	20.78 76	21.45 43	35.76 269	28.402 375	40.88 44
19.1	15.001 261	52.24 205	49.436 315	20.02 49	21.88 37	38.45 304	28.777 344	40.42 −13/18
29.1	15.262 230	54.29 200	49.751 281	19.53 23	22.25 31	41.49 332	29.123 310	40.29
7 9.1	15.492 194	56.29 191	50.032 240	19.30 −6	22.56 23	44.81 352	29.433 265	40.47 −49
19.1	15.686 154	58.20 177	50.272 195	19.36 31	22.79 15	48.33 362	29.698 215	40.96 −78
29.0	15.840 110	59.97 162	50.467 143	19.67 55	22.94 7	51.95 366	29.913 158	41.74 102
8 8.0	15.950 67	61.59 142	50.610 92	20.22 76	23.01 −0	55.61 360	30.071 102	42.76 124
17.9	16.017 22/18	63.01 121	50.702 38/72	20.98 93	23.01 9	59.21 348	30.173 42/14	44.00 138
27.9	16.039	64.22 94	50.740	21.91 104	22.92 17	62.69 328	30.215	45.38 147
9 6.9	16.021 57	65.21 77	50.728 58	22.95 111	22.75 23	65.97 301	30.201 66	46.85 150
16.9	15.964 88	65.98 54	50.670 98	24.06 112	22.52 29	68.98 268	30.135 112	48.35 146
26.9	15.876 113	66.52 32	50.572 130	25.18 107	22.23 35	71.66 229	30.023 149	49.81 134
10 6.8	15.763 130	66.84 10	50.442 153	26.25 97	21.88 38	73.95 185	29.874 175	51.15 117
16.8	15.633 140	66.94 −10	50.289 166	27.22 82	21.50 41	75.80 135	29.699 191	52.32 94
26.8	15.493 141	66.84 30	50.123 168	28.04 63	21.09 43	77.15 82	29.508 195	53.24 67
11 5.8	15.352 134	66.54 48	49.955 161	28.67 43	20.66 43	77.97 27	29.313 188	53.93 37
15.7	15.218 121	66.06 66	49.794 144	29.10 20/4	20.23 43	78.24 −31	29.125 171	54.30 −6/27
25.7	15.097 102	65.40 82	49.650 121	29.30	19.80 39	77.93 89	28.954 146	54.36
12 5.7	14.995 79	64.58 95	49.529 90	29.26 27	19.41 37	77.04 144	28.808 113	54.09 57
15.7	14.916 52	63.63 106	49.439 58	28.99 64	19.04 32	75.60 196	28.695 75	53.52 87
25.6	14.864 23	62.57 114	49.381 21	28.50 70	18.72 26	73.64 241	28.620 34	52.65 113
35.6	14.841	61.43	49.360	27.80	18.46	71.23	28.586	51.52
中位	s 13.439	″ 54.61	s 47.344	″ 29.66	s 20.308	″ 53.23	s 26.453	″ 50.20
Sec δ Tan δ	+1.004	+0.088	+1.184	−0.634	+2.156	+1.910	+1.326	−0.870
2回正中	8月 9日		8月 10日		8月 11日		8月 11日	
a b	+0.1494	+0.0044	+0.1813	−0.0318	+0.0704	+0.0966	+0.1911	−0.0440
a′ b′	+0.7467	+0.6652	+0.7512	+0.6600	+0.7585	+0.6516	+0.7588	+0.6513
FK3番号	800		801		803		802	

本初子午線正中時

星名	1 Pegs				τ Pavo				τ Capr				71 Cygn			
等級 スペクトル型	4.24		K0		4.30		F8		3.86		G5p		5.34		K0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月日	21h	19m	+19°	34′	21h	22m	−65°	35′	21h	23m	−22°	38′	21h	27m	+46°	18′
1 16	s 38.906		″ 47.83		s 7.14		″ 91.30		s 40.234		″ 29.41		s 29.355		″ 39.95	
11.6	38.877	29	46.05	178	7.05	9	88.84	246	40.229	5	29.16	25	29.242	113	37.51	244
21.6	38.879	2	44.19	186	7.03	2	86.10	274	40.238	29	28.75	41	29.173	69	34.81	270
31.5	38.914	35	42.30	189	7.11	8	83.17	293	40.319	61	28.20	55	29.152	21	31.97	284
		70		181		15		306		94		71		29		289
2 10.5	38.984		40.49		7.26		80.11		40.413		27.49		29.181		29.08	
20.5	39.088	104	38.82	167	7.49	23	77.00	311	40.540	127	26.44	85	29.262	81	26.28	280
		138		145		32		309		159		101		134		261
3 15	39.226		37.37		7.81		73.91		40.699		25.63		29.396		23.67	
11.4	39.398	172	36.23	114	8.19	38	70.90	301	40.889	190	24.48	115	29.581	185	21.36	231
21.4	39.602	204	35.44	79	8.64	45	68.03	287	41.110	221	23.19	129	29.815	234	19.45	191
31.4	39.837	235	35.05	39	9.14	50	65.37	266	41.360	250	21.78	141	30.093	278	18.02	143
		262		3		56		241		271		151		317		91
4 10.3	40.099		35.08		9.70		62.96		41.637		20.27		30.410		17.11	
20.3	40.385	286	35.55	47	10.31	61	60.85	211	41.937	300	18.68	159	30.759	349	16.77	34
30.3	40.688	303	36.45	90	10.95	64	59.09	176	42.257	320	17.06	162	31.132	373	17.01	24
		316		129		66		137		334		162		386		81
5 10.3	41.004		37.74		11.61		57.72		42.591		15.44		31.518		17.82	
20.2	41.324	320	39.39	165	12.28	67	55.75	97	42.933	342	13.87	157	31.909	391	19.16	134
30.2	41.642	318	41.34	195	12.94	66	54.23	52	43.275	342	12.39	148	32.293	384	21.00	184
		307		220		65		8		335		135		367		228
6 9.2	41.949		43.54		13.59		56.15		43.610		11.04		32.660		23.28	
19.2	42.239	290	45.93	239	14.20	61	54.53	38	43.930	320	9.86	118	33.001	341	25.94	266
29.1	42.503	264	48.44	251	14.76	56	53.33	80	44.227	297	8.87	99	33.308	307	28.89	295
		232		257		50		122		267		76		263		317
7 9.1	42.735		51.01		15.26		52.55		44.494		8.11		33.571		32.06	
19.1	42.929	194	53.56	255	15.69	43	60.14	159	44.724	230	7.59	52	33.785	214	35.38	332
29.0	43.082	153	56.05	249	16.03	34	62.04	190	44.912	188	7.31	28	33.945	160	38.77	339
		108		238		24		217		142		4		103		337
8 8.0	43.190		58.43		16.27		64.21		45.054		7.27		34.048		42.14	
17.9	43.253	63	60.64	221	16.41	14	66.55	234	45.148	94	7.44	17	34.094	46	45.44	330
27.9	43.271	18	62.65	201	16.45	4	68.98	243	45.193	45	7.81	37	34.083	77	48.58	314
		25		177		6		244		7		53		66		294
9 6.9	43.246		64.42		16.39		71.42		45.192		8.34		34.017		51.52	
16.9	43.182	64	65.93	151	16.24	15	73.76	234	45.148	44	9.00	66	33.902	115	54.17	265
26.9	43.085	97	67.16	123	16.00	24	75.92	216	45.068	80	9.73	73	33.744	158	56.51	234
		124		92		31		187		111		77		194		196
10 6.9	42.961		68.08		15.69		77.79		44.957		10.50		33.550		58.47	
16.8	42.819	142	68.70	62	15.32	37	79.30	151	44.825	132	11.26	76	33.328	222	60.02	155
26.8	42.666	153	69.00	30	14.92	40	80.38	108	44.681	144	11.97	71	33.087	241	61.11	109
		157		2		41		60		148		63		251		61
11 5.8	42.509		68.98		14.51		80.98		44.533		12.60		32.836		61.72	
15.7	42.357	152	68.63	35	14.10	41	81.06	8	44.391	142	13.12	52	32.586	250	61.83	11
25.7	42.216	141	67.97	66	13.71	39	80.62	44	44.262	129	13.51	39	32.343	243	61.43	40
		123		96		35		96		108		25		227		90
12 5.7	42.093		67.01		13.36		79.66		44.154		13.76		32.116		60.53	
15.7	41.992	101	65.78	123	13.07	29	78.21	145	44.070	84	13.87	11	31.914	202	59.14	139
25.6	41.916	76	64.31	147	12.85	22	76.32	189	44.015	55	13.83	4	31.741	173	57.31	183
35.6	41.870	46	62.64	167	12.71	14	74.04	228	43.992	23	13.64	19	31.606	135	55.09	222
Φ Ω Sec δ Tan δ 2回正中	s 40.798 +1.061		″ 52.01 +0.356		s 10.273 +2.421		″ 71.22 −2.205		s 42.086 +1.083		″ 15.60 −0.417		s 31.657 +1.448		″ 38.20 +1.047	
	8月11日				8月12日				8月12日				8月13日			
a b	+0.1381		+0.0182		+0.2487		−0.1135		+0.1709		−0.0216		+0.1103		+0.0549	
a b′	+0.7652		+0.6439		+0.7721		+0.6355		+0.7763		+0.6303		+0.7867		+0.6173	
FK3番号	804				805				806				807			

本初子午線正中時

星名	β Ceph				β Aqar				74 Cygn				ν Octn			
等級 スペクトル型	3.32		B1		3.07		G0		5.09		A5		3.74		K0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月日	21h	27m	+70°	19′	21h	28m	−5°	47′	21h	34m	+40°	10′	21h	35m	−77°	37′
1 16	s 55.85		″ 61.59		s 47.561		″ 73.42		s 49.576		″ 46.23		s 41.70		″ 43.71	
11.6	55.47	38	59.05	254	47.550	11	74.04	62	49.482	94	43.95	228	41.36	34	40.90	281
21.6	55.18	29	56.14	291	47.567	17	74.60	56	49.426	56	41.45	250	41.17	19	37.79	311
31.5	55.01	17	52.99	315	47.615	48	75.06	46	49.412	14	38.81	264	41.16	1	34.45	334
		6		329		78		34		29		267		15		347
2 10.5	54.95		49.70		47.693		75.40		49.441		36.14		41.31		30.98	
20.5	55.00	5	46.42	328	47.801	108	75.58	18	49.517	76	33.56	258	41.62	31	27.46	352
		18		315		139		7		121		240		47		348
3 15	55.18		43.27		47.940		75.57		49.638		31.16		42.09		23.98	
11.4	55.47	29	40.38	289	48.110	170	75.33	24	49.806	168	29.06	210	42.70	61	20.60	338
21.4	55.87	40	37.86	252	48.309	199	74.86	47	50.018	212	27.34	172	43.45	75	17.41	319
31.4	56.36	49	35.81	205	48.536	227	74.14	72	50.271	253	26.07	127	44.32	87	14.48	293
		56		151		254		96		289		76		97		263
4 10.4	56.92		34.30		48.790		73.18		50.560		25.31		45.29		11.85	
20.3	57.55	63	33.39	91	49.067	277	71.99	119	50.881	321	25.08	23	46.35	106	9.58	227
30.3	58.22	67	33.10	29	49.363	296	70.60	139	51.224	343	25.41	33	47.47	112	7.73	185
		69		33		310		156		360		86		118		140
5 10.3	58.91		33.43		49.673		69.04		51.584		26.27		48.65		6.33	
20.2	59.59	68	34.38	95	49.991	318	67.36	168	51.949	365	27.63	136	49.84	119	5.40	93
30.2	60.25	66	35.90	152	50.310	319	65.61	175	52.311	362	29.46	183	51.03	119	4.97	43
		62		205		312		178		349		224		117		7
6 9.2	60.87		37.95		50.622		63.83		52.660		31.70		52.20		5.04	
19.2	61.43	56	40.47	252	50.921	299	62.07	176	52.988	328	34.29	259	53.30	110	5.42	58
29.1	61.92	49	43.38	291	51.198	277	60.38	169	53.286	298	37.14	285	54.32	102	6.68	106
		40		323		248		157		260		306		91		152
7 9.1	62.32		46.61		51.446		58.81		53.546		40.20		55.23		8.20	
19.1	62.62	30	50.09	348	51.661	215	57.39	142	53.762	216	43.38	318	56.01	78	10.12	192
29.1	62.82	20	53.72	363	51.836	175	56.15	124	53.930	168	46.61	323	56.64	63	12.38	226
		9		371		132		104		115		320		45		254
8 8.0	62.91		57.43		51.968		55.11		54.045		49.81		57.09		14.92	
17.9	62.89	2	61.14	371	52.056	88	54.27	84	54.108	63	52.93	312	57.35	26	17.65	273
27.9	62.76	13	64.76	362	52.100	44	53.64	63	54.118	10	55.89	296	57.43	8	20.47	282
		22		347		1		41		40		275		17		281
9 6.9	62.54		68.23		52.101		53.23		54.078		58.64		57.32		23.28	
16.9	62.22	32	71.46	323	52.063	38	53.00	23	53.992	86	61.12	248	57.02	30	25.98	270
26.9	61.81	41	74.40	294	52.991	72	52.95	5	53.866	126	63.29	217	56.56	46	28.46	248
		48		256		100		11		160		181		62		215
10 6.9	61.33		76.96		51.891		53.06		53.706		65.10		55.94		30.61	
16.8	60.79	54	79.11	215	51.772	119	52.30	24	53.520	186	66.52	142	55.21	73	32.35	174
26.8	60.21	58	80.77	166	51.642	130	53.65	35	53.316	204	67.52	100	54.40	81	33.60	125
		62		113		134		44		213		55		87		70
11 5.8	59.59		81.90		51.508		54.09		53.103		68.07		53.53		34.30	
15.8	58.97	62	82.48	58	51.378	130	54.60	51	52.889	214	68.15	8	52.65	88	34.42	12
25.7	58.34	63	82.46	2	51.259	119	55.17	57	52.683	206	67.76	39	51.80	85	33.93	49
		60		62		102		61		193		86		80		107
12 5.7	57.74		81.84		51.157		55.78		52.490		66.90		51.00		32.86	
15.7	57.18	56	80.65	119	51.078	79	56.41	63	52.319	171	65.59	131	50.30	70	31.22	164
25.6	56.60	50	78.90	175	51.023	55	57.04	63	52.173	146	63.88	171	49.72	58	29.08	214
35.6	56.25	43	76.65	225	50.995	28	57.66	62	52.060	113	61.81	207	49.28	44	26.49	259
Φ Ω Sec δ Tan δ 2回正中	s 59.799 +2.971		″ 56.29 +2.798		s 49.332 +1.005		″ 63.34 −0.102		s 51.697 +1.309		″ 45.32 +0.844		s 46.588 +4.665		″ 22.17 −4.557	
	8月13日				8月13日				8月15日				8月15日			
a b	+0.0385		+0.1470		+0.1575		−0.0054		+0.1200		+0.0454		+0.3321		−0.2456	
a′ b′	+0.7880		+0.6157		+0.7902		+0.6128		+0.8061		+0.5918		+0.8084		+0.5886	
FK3番号	809				808				811				810			

本初子午線正中時

星名	τ Capr				13 H. Ceph				11 Ceph				ε Pegs			
等級 スペク トル型	3.80		F0p		5.64		Oe5		4.85		K0		2.54		K0	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h 21	m 37	° −16	′ 53	h 21	m 37	° +57	′ 14	h 21	m 41	° +71	′ 3	h 21	m 41	° +9	′ 37
	s		″		s		″		s		″		s		″	
1 1.6	10.969	16	66.42	5	17.974	197	76.24	246	5.99	43	84.86	240	36.110	33	62.51	128
11.6	10.953	14	66.47	8	17.777	142	73.78	279	5.56	33	82.46	278	36.077	5	61.23	132
21.6	10.967	46	66.39	22	17.635	79	70.99	300	5.23	22	79.68	307	36.072	24	59.91	130
31.5	11.013	76	66.17	37	17.556	13	67.99	311	5.01	10	76.61	324	36.096	55	58.61	123
2 10.5	11.089	108	65.80	54	17.543	36	64.88	309	4.91	2	73.37	327	36.151	86	57.38	108
20.5	11.197	139	65.26	70	17.599	127	61.79	294	4.93	14	70.10	317	36.237	119	56.30	88
3 1.5	11.336	170	64.56	89	17.726	196	58.85	267	5.07	26	66.93	295	36.356	150	55.42	61
11.4	11.506	201	63.67	107	17.922	261	56.18	230	5.33	38	63.98	261	36.506	184	54.81	32
21.4	11.707	231	62.60	123	18.183	321	53.88	183	5.71	48	61.37	217	36.690	214	54.49	2
31.4	11.938	259	61.37	139	18.504	373	52.05	130	6.19	56	59.20	166	36.904	243	54.51	37
4 10.4	12.197	283	59.98	152	18.877	414	50.75	72	6.75	64	57.54	107	37.147	268	54.88	72
20.3	12.480	305	58.46	162	19.291	446	50.03	12	7.39	68	56.47	46	37.445	290	55.60	107
30.3	12.785	321	56.84	167	19.737	464	49.91	49	8.07	71	56.01	76	37.705	305	56.67	138
5 10.3	13.106	330	55.17	169	20.201	469	50.40	107	8.78	71	56.17	77	38.010	315	58.05	165
20.2	13.436	333	53.48	165	20.670	460	51.47	162	9.49	70	56.94	136	38.325	316	59.70	188
30.2	13.769	329	51.83	157	21.130	441	53.09	212	10.19	65	58.30	191	38.641	311	61.58	205
6 9.2	14.098	315	50.26	146	21.571	408	55.21	256	10.84	60	60.21	238	38.952	298	63.63	217
19.2	14.413	295	48.80	129	21.979	364	57.77	292	11.44	53	62.59	281	39.250	276	65.80	222
29.1	14.708	268	47.51	110	22.343	311	60.69	322	11.97	45	65.40	315	39.526	250	68.02	222
7 9.1	14.976	233	46.41	89	22.654	252	63.91	342	12.42	34	68.55	342	39.776	215	70.24	217
19.1	15.209	193	45.52	66	22.906	185	67.33	355	12.76	24	71.97	361	39.991	177	72.41	206
29.1	15.402	149	44.86	42	23.091	116	70.88	360	13.00	14	75.58	371	40.168	135	74.47	192
8 8.0	15.551	104	44.44	19	23.207	46	74.48	357	13.14	2	79.29	374	40.303	91	76.39	174
17.9	15.655	57	44.25	2	23.253	24	78.05	347	13.16	9	83.03	368	40.394	48	78.13	154
27.9	15.712	12	44.27	21	23.229	92	81.52	329	13.07	20	86.71	356	40.442	5	79.67	132
9 6.9	15.724	30	44.48	36	23.137	153	84.81	305	12.87	29	90.27	335	40.447	34	80.99	107
16.9	15.694	66	44.84	50	22.984	209	87.86	274	12.58	39	93.62	307	40.413	68	82.06	84
26.9	15.628	96	45.34	58	22.775	256	90.60	238	12.19	47	96.69	273	40.345	96	82.90	59
10 6.9	15.532	118	45.92	62	22.519	294	92.98	195	11.72	53	99.42	233	40.249	116	83.49	34
16.8	15.414	132	46.54	64	22.225	322	94.93	149	11.19	58	101.75	186	40.133	130	83.83	10
26.8	15.282	137	47.18	62	21.903	339	96.42	98	10.61	63	103.61	134	40.003	136	83.93	13
11 5.8	15.145	134	47.80	57	21.564	347	97.40	44	9.98	64	104.85	79	39.867	135	83.80	35
15.8	15.011	124	48.37	50	21.217	341	97.84	11	9.34	64	105.74	20	39.732	126	83.45	57
25.7	14.887	107	48.87	42	20.876	338	97.73	68	8.70	63	105.94	40	39.606	113	82.88	77
12 5.7	14.780	86	49.29	33	20.548	303	97.05	122	8.07	60	105.54	100	39.493	95	82.11	95
15.7	14.694	60	49.62	21	20.245	269	95.83	173	7.47	54	104.54	156	39.398	73	81.16	109
25.6	14.634	32	49.83	11	19.976	225	94.10	219	6.93	47	102.98	209	39.325	47	80.07	122
35.6	14.602		49.94		19.751		91.91		6.46		100.89		39.278		78.85	
中 10	s 12.723		″ 53.65		s 20.671		″ 72.07		s 9.971		″ 78.61		s 37.861		″ 68.64	
Sec.Tan δ	+1.045		−0.304		+1.849		+1.555		+3.083		+2.916		+1.014		+0.170	
2回正中	8月16日				8月16日				8月17日				8月17日			
a b	+0.1652		0.0165		+0.0929		+0.0842		+0.0426		+0.1398		+0.1469		+0.0093	
a′ b′	+0.8121		+0.5835		+0.8125		+0.5830		+0.8221		+0.5844		+0.8232		+0.5677	
FK3番号	812				813				817				815			

本初子午線正中時

星名	υ Psc A				+ κ Pegs m				λ Capr				δ Capr			
等級 スペク トル型	4.35		A0		4.27		F5		5.43		A0		2.98		A5	
世界時	赤經		赤緯		赤經		赤緯		赤經		赤緯		赤經		赤緯	
月 日	h 21	m 41	° −33	′ 15	h 21	m 42	° +25	′ 24	h 21	m 43	° −11	′ 36	h 21	m 44	° −16	′ 21
	s		″		s		″		s		″		s		″	
1 1.6	49.443	28	67.17	79	15.413	58	16.70	185	42.518	22	35.55	32	8.651	21	63.85	9
11.6	49.415	7	66.38	101	15.355	28	14.89	199	42.496	6	35.87	21	8.630	8	63.94	5
21.6	49.422	43	65.37	120	15.327	6	12.90	206	42.502	36	36.08	9	8.638	38	63.89	19
31.6	49.465	80	64.17	139	15.333	40	10.84	203	42.538	67	36.17	5	8.676	68	63.70	34
2 10.5	49.545	115	62.78	154	15.373	77	8.81	193	42.605	96	36.12	22	8.744	100	63.36	51
20.5	49.660	152	61.24	168	15.450	113	6.88	173	42.701	128	35.90	41	8.844	131	62.85	69
3 1.5	49.812	187	59.56	179	15.563	151	5.15	146	42.829	159	35.49	60	8.975	163	62.16	87
11.4	49.999	221	57.77	188	15.714	187	3.69	110	42.988	189	34.89	81	9.138	194	61.29	106
21.4	50.220	255	55.89	193	15.901	223	2.59	70	43.177	220	34.08	103	9.332	225	60.23	123
31.4	50.475	287	53.96	196	16.124	254	1.89	26	43.397	248	33.05	122	9.557	253	59.00	139
4 10.4	50.762	315	52.00	194	16.378	282	1.63	19	43.645	274	31.83	139	9.810	279	57.61	153
20.3	51.077	339	50.06	187	16.660	304	1.82	66	43.919	295	30.44	155	10.089	301	56.08	163
30.3	51.416	357	48.19	178	16.964	321	2.48	110	44.214	312	28.89	166	10.390	318	54.45	170
5 10.3	51.773	368	46.41	162	17.285	329	3.58	151	44.526	323	27.23	173	10.708	329	52.75	172
20.2	52.141	373	44.79	144	17.614	329	5.09	186	44.849	325	25.50	174	11.037	333	51.03	168
30.2	52.514	368	43.35	121	17.943	323	6.95	218	45.174	323	23.76	172	11.370	329	49.35	162
6 9.2	52.882	356	42.14	95	18.266	306	9.13	243	45.497	310	22.04	165	11.699	318	47.73	150
19.2	53.238	333	41.19	67	18.572	283	11.56	260	45.807	291	20.39	152	12.017	298	46.23	134
29.1	53.571	304	40.52	36	18.855	252	14.16	271	46.098	265	18.87	139	12.315	271	44.89	116
7 9.1	53.875	266	40.16	7	19.107	215	16.87	277	46.363	231	17.50	118	12.586	238	43.73	93
19.1	54.141	222	40.09	23	19.322	174	19.64	274	46.594	193	16.32	98	12.824	199	42.80	71
29.1	54.363	173	40.32	51	19.496	129	22.38	267	46.787	151	15.34	75	13.023	155	42.09	47
8 8.0	54.536	121	40.83	75	19.625	83	25.05	253	46.938	106	14.59	52	13.178	111	41.62	23
17.9	54.657	69	41.58	95	19.708	36	27.58	236	47.044	61	14.07	31	13.289	64	41.39	2
27.9	54.726	16	42.53	112	19.744	8	29.94	214	47.105	16	13.76	10	13.353	18	41.37	18
9 6.9	54.742	32	43.65	121	19.736	49	32.08	188	47.121	24	13.66	8	13.371	23	41.55	35
16.9	54.710	75	44.86	125	19.687	84	33.96	159	47.097	59	13.74	24	13.348	60	41.90	48
26.9	54.635	111	46.11	123	19.603	115	35.55	129	47.038	90	13.98	36	13.288	90	42.38	58
10 6.9	54.524	138	47.34	115	19.488	138	36.84	95	46.948	111	14.34	46	13.198	113	42.96	63
16.8	54.386	156	48.49	101	19.350	152	37.79	61	46.837	125	14.80	52	13.085	128	43.59	66
26.8	54.230	164	49.50	83	19.198	160	38.40	24	46.712	132	15.32	55	12.957	135	44.25	64
11 5.8	54.066	162	50.33	61	19.038	160	38.64	11	46.580	130	15.87	56	12.822	133	44.89	60
15.8	53.904	152	50.94	36	18.878	153	38.53	47	46.450	121	16.43	55	12.689	123	45.49	53
25.7	53.752	134	51.30	10	18.725	141	38.06	83	46.329	106	16.98	53	12.566	109	46.02	45
12 5.7	53.618	109	51.40	16	18.584	122	37.23	115	46.223	86	17.51	47	12.457	88	46.47	36
15.7	53.509	80	51.24	41	18.462	100	36.08	145	46.137	64	17.98	42	12.369	64	46.83	26
25.6	53.429	48	50.83	67	18.362	74	34.63	170	46.073	37	18.40	35	12.305	37	47.09	14
35.6	53.381		50.16		18.288		32.93		46.036		18.75		12.268		47.23	
中 10	s 51.280		″ 50.72		s 19.279		″ 18.87		s 44.226		″ 24.00		s 10.368		″ 51.13	
Sec.Tan δ	+1.196		−0.656		+1.107		+0.475		+1.021		−0.205		+1.042		−0.294	
2回正中	8月17日				8月17日				8月17日				8月17日			
a b	+0.1781		−0.0360		+0.1354		+0.0261		+0.1610		−0.0113		+0.1643		−0.0162	
a′ b′	+0.8238		+0.5669		+0.8248		+0.5654		+0.8284		+0.5601		+0.8285		+0.5586	
FK3番号	814				816				818				819			