

# 彗星の予報

## 彗星名：カタリ彗星(C/2013 UQ4)

観測地：秦野市

日付	時刻 (J.S.T)	赤経 (2000) h m s	赤緯 度 分 秒	天文薄明 終了時刻	方位 (度)	仰角 (度)	天文薄明 開始時刻	方位 (度)	仰角 (度)	光度 等級	移動速度 "/Hr	地心距離 Δ (au)	日心距離 r (au)
2014/06/21	02h	00 50 49.8	+09 29 44	20:49	40.4	-35.8	2:40	100.2	30.0	9.5	-1.10	0.813	1.109
2014/06/22	02h	00 49 00.3	+10 29 58	20:49	41.2	-34.2	2:40	100.2	31.7	9.4	-1.21	0.779	1.106
2014/06/23	02h	00 46 59.0	+11 35 29	20:49	41.9	-32.5	2:40	100.1	33.5	9.3	-1.35	0.745	1.103
2014/06/24	02h	00 44 44.1	+12 47 01	20:49	42.6	-30.6	2:40	100.0	35.5	9.2	-1.50	0.712	1.099
2014/06/25	02h	00 42 13.3	+14 05 23	20:49	43.2	-28.7	2:41	99.9	37.7	9.1	-1.68	0.679	1.097
2014/06/26	02h	00 39 23.8	+15 31 33	20:49	43.8	-26.5	2:41	99.5	39.9	8.9	-1.90	0.646	1.094
2014/06/27	02h	00 36 12.2	+17 06 38	20:50	44.5	-24.1	2:41	99.0	42.2	8.8	-2.15	0.613	1.092
2014/06/28	02h	00 32 34.2	+18 51 56	20:50	44.9	-21.6	2:42	98.4	44.8	8.7	-2.46	0.581	1.089
2014/06/29	02h	00 28 24.2	+20 48 56	20:49	45.0	-19.1	2:42	97.4	47.5	8.6	-2.83	0.550	1.087
2014/06/30	02h	00 23 35.1	+22 59 20	20:49	45.3	-16.1	2:43	96.2	50.5	8.4	-3.28	0.519	1.086
2014/06/31	02h	00 17 57.5	+25 25 00	20:49	45.4	-12.8	2:43	94.3	53.5	8.3	-3.85	0.489	1.084
2014/07/02	02h	00 11 18.9	+28 07 56	20:49	45.5	-9.2	2:44	91.8	57.0	8.2	-4.57	0.461	1.083
2014/07/03	02h	00 03 22.4	+31 10 07	20:49	45.3	-5.3	2:45	88.2	60.7	8.0	-5.50	0.434	1.082
2014/07/04	02h	23 53 44.6	+34 33 14	20:49	45.1	-0.8	2:45	82.6	64.3	7.9	-6.72	0.408	1.082
2014/07/05	02h	23 41 52.7	+38 18 11	20:48	44.5	3.9	2:46	74.3	68.1	7.8	-8.34	0.385	1.081
2014/07/06	02h	23 27 00.0	+42 24 17	20:48	43.8	9.3	2:47	61.2	71.3	7.6	-10.55	0.364	1.081
2014/07/07	02h	23 07 59.6	+46 47 53	20:48	42.8	15.2	2:47	42.4	73.1	7.5	-13.59	0.346	1.081
2014/07/08	02h	22 43 17.3	+51 20 41	20:47	41.4	21.5	2:48	19.6	72.7	7.4	-17.77	0.332	1.081
2014/07/09	02h	22 10 48.3	+55 47 25	20:47	39.7	28.3	2:49	359.7	69.6	7.4	-23.39	0.322	1.082
2014/07/10	02h	21 28 18.9	+59 44 12	20:46	37.3	35.3	2:50	345.9	64.4	7.3	-30.22	0.316	1.083
2014/07/11	02h	20 34 51.8	+62 39 44	20:46	34.2	42.3	2:51	337.1	58.1	7.3	-36.71	0.314	1.084
2014/07/12	02h	19 33 25.9	+64 04 32	20:45	30.1	49.1	2:51	331.5	51.4	7.4	-39.63	0.318	1.085
2014/07/13	02h	18 31 44.1	+63 47 45	20:44	24.8	55.4	2:52	327.7	44.6	7.4	-36.95	0.325	1.087
2014/07/14	02h	17 37 40.8	+62 05 47	20:44	17.5	61.0	2:53	325.2	37.9	7.5	-30.54	0.338	1.088
2014/07/15	02h	16 54 32.9	+59 29 59	20:43	8.1	65.5	2:54	323.5	31.7	7.6	-23.64	0.353	1.090
2014/07/08	21h	22 18 21.6	+54 53 06	20:47	40.2	27.0	2:49	2.9	70.5	7.4	-21.93	0.323	1.082
2014/07/09	21h	21 38 07.4	+58 58 33	20:46	37.9	33.9	2:50	348.0	65.6	7.4	-28.59	0.317	1.083
2014/07/10	21h	20 46 53.8	+62 09 39	20:46	34.9	41.0	2:51	338.4	59.4	7.3	-35.40	0.314	1.084
2014/07/11	21h	19 46 37.4	+63 55 13	20:45	31.1	47.8	2:51	332.4	52.8	7.4	-39.41	0.317	1.085
2014/07/12	21h	18 44 14.2	+63 59 12	20:44	25.9	54.2	2:52	328.3	45.9	7.4	-37.96	0.323	1.086
2014/07/13	21h	17 48 07.8	+62 32 42	20:44	19.0	59.9	2:53	325.6	39.2	7.5	-32.10	0.335	1.088
2014/07/14	21h	17 02 41.0	+60 05 31	20:43	10.1	64.7	2:54	323.8	32.8	7.6	-25.13	0.350	1.090
2014/07/15	21h	16 27 43.5	+57 08 06	20:42	358.8	68.3	2:55	322.6	26.9	7.7	-19.14	0.368	1.092
2014/07/16	21h	16 01 09.8	+54 02 06	20:42	345.0	70.4	2:56	321.9	21.6	7.8	-14.58	0.390	1.095
2014/07/17	21h	15 40 49.2	+51 00 12	20:41	331.0	71.3	2:57	321.5	16.7	8.0	-11.27	0.414	1.097
2014/07/18	21h	15 24 58.8	+48 08 50	20:40	318.1	71.0	2:58	321.3	12.3	8.1	-8.87	0.439	1.100
2014/07/19	21h	15 12 25.2	+45 30 43	20:39	307.3	70.0	2:59	321.4	8.3	8.3	-7.10	0.467	1.103
2014/07/20	21h	15 02 17.0	+43 06 24	20:38	298.9	68.5	3:00	321.5	4.7	8.4	-5.79	0.496	1.107
2014/07/21	21h	14 53 57.9	+40 55 27	20:37	292.4	66.7	3:01	321.9	1.4	8.6	-4.79	0.526	1.110
2014/07/22	21h	14 47 02.6	+38 56 52	20:36	287.5	64.8	3:02	322.3	-1.6	8.7	-4.02	0.556	1.114
2014/07/23	21h	14 41 12.6	+37 09 29	20:35	283.8	63.0	3:03	322.8	-4.3	8.8	-3.41	0.588	1.118
2014/07/24	21h	14 36 14.3	+35 32 08	20:34	280.8	61.2	3:04	323.4	-6.8	9.0	-2.92	0.620	1.123
2014/07/25	21h	14 31 57.7	+34 03 41	20:33	278.5	59.4	3:05	324.1	-9.1	9.1	-2.53	0.653	1.127
2014/07/26	21h	14 28 14.9	+32 43 08	20:32	276.7	57.7	3:06	324.8	-11.3	9.2	-2.20	0.686	1.132
2014/07/27	21h	14 25 00.2	+31 29 33	20:31	275.2	56.1	3:08	325.8	-13.3	9.3	-1.93	0.719	1.137
2014/07/28	21h	14 22 08.9	+30 22 08	20:29	273.9	54.8	3:09	326.7	-15.2	9.5	-1.71	0.753	1.142
2014/07/29	21h	14 19 37.4	+29 20 13	20:28	273.0	53.3	3:10	327.6	-16.9	9.6	-1.52	0.787	1.147
2014/07/30	21h	14 17 22.6	+28 23 08	20:27	272.2	51.9	3:11	328.5	-18.5	9.7	-1.35	0.820	1.153
2014/07/31	21h	14 15 22.2	+27 30 24	20:26	271.6	50.6	3:12	329.5	-20.0	9.8	-1.21	0.854	1.158
2014/08/01	21h	14 13 34.3	+26 41 31	20:25	271.1	49.3	3:14	330.7	-21.5	9.9	-1.09	0.888	1.164
2014/08/02	21h	14 11 57.2	+25 56 05	20:24	270.7	48.0	3:15	331.8	-22.8	10.0	-0.98	0.922	1.170
2014/08/03	21h	14 10 29.6	+25 13 45	20:22	270.2	47.1	3:16	332.9	-24.1	10.1	-0.89	0.956	1.177
2014/08/04	21h	14 09 10.5	+24 34 13	20:21	270.0	45.9	3:17	334.1	-25.3	10.2	-0.80	0.990	1.183
2014/08/05	21h	14 07 58.8	+23 57 12	20:20	269.8	44.8	3:18	335.2	-26.4	10.3	-0.73	1.024	1.190
2014/08/06	21h	14 06 53.7	+23 22 28	20:19	269.7	43.7	3:19	336.4	-27.4	10.4	-0.66	1.058	1.196

↑  
 $9.5+5*\log(\Delta)+17.5*\log(r)$