

Ephemeris of (22) - Kalliope



Date	Civ Twi E	Civ Twi B	Top R.A.	Top Dec	Rise	Transit	Set	Mag
01 apr 2018	19:02:44	05:20:10	16h 39m 48.7s	+41° 48' 12"	18:02:56	04:09:41	14:11:21	11.8
02 apr 2018	19:03:59	05:18:20	16h 38m 53.0s	+41° 54' 03"	17:56:42	04:04:49	14:07:51	11.8
03 apr 2018	19:05:14	05:16:30	16h 37m 55.9s	+41° 59' 52"	17:50:25	03:59:56	14:04:20	11.8
04 apr 2018	19:06:29	05:14:40	16h 36m 56.6s	+42° 05' 30"	17:44:08	03:55:01	14:00:45	11.8
05 apr 2018	19:07:44	05:12:50	16h 35m 55.2s	+42° 10' 58"	17:37:50	03:50:04	13:57:07	11.8
06 apr 2018	19:08:59	05:11:01	16h 34m 51.7s	+42° 16' 15"	17:31:32	03:45:05	13:53:25	11.8
07 apr 2018	19:10:15	05:09:11	16h 33m 46.0s	+42° 21' 21"	17:25:14	03:40:03	13:49:39	11.8
08 apr 2018	19:11:30	05:07:23	16h 32m 38.3s	+42° 26' 14"	17:18:56	03:35:00	13:45:48	11.8
09 apr 2018	19:12:46	05:05:34	16h 31m 28.5s	+42° 30' 54"	17:12:39	03:29:54	13:41:53	11.8
10 apr 2018	19:14:02	05:03:46	16h 30m 16.6s	+42° 35' 20"	17:06:22	03:24:47	13:37:53	11.8
11 apr 2018	19:15:18	05:01:58	16h 29m 02.7s	+42° 39' 33"	17:00:07	03:19:37	13:33:48	11.8
12 apr 2018	19:16:35	05:00:11	16h 27m 46.9s	+42° 43' 31"	16:53:53	03:14:26	13:29:38	11.8
13 apr 2018	19:17:51	04:58:24	16h 26m 29.0s	+42° 47' 13"	16:47:40	03:09:12	13:25:22	11.8
14 apr 2018	19:19:08	04:56:38	16h 25m 09.3s	+42° 50' 39"	16:41:30	03:03:57	13:21:00	11.8
15 apr 2018	19:20:25	04:54:52	16h 23m 47.6s	+42° 53' 48"	16:35:23	02:58:40	13:16:32	11.8
16 apr 2018	19:21:41	04:53:07	16h 22m 24.1s	+42° 56' 41"	16:29:18	02:53:21	13:11:58	11.8
17 apr 2018	19:22:59	04:51:22	16h 20m 58.8s	+42° 59' 15"	16:23:16	02:48:00	13:07:17	11.8
18 apr 2018	19:24:16	04:49:38	16h 19m 31.8s	+43° 01' 31"	16:17:18	02:42:38	13:02:30	11.7
19 apr 2018	19:25:33	04:47:54	16h 18m 03.1s	+43° 03' 27"	16:11:23	02:37:14	12:57:35	11.7
20 apr 2018	19:26:50	04:46:12	16h 16m 32.8s	+43° 05' 04"	16:05:33	02:31:48	12:52:34	11.7
21 apr 2018	19:28:08	04:44:30	16h 15m 00.9s	+43° 06' 21"	15:59:47	02:26:21	12:47:25	11.7
22 apr 2018	19:29:25	04:42:48	16h 13m 27.6s	+43° 07' 16"	15:54:05	02:20:52	12:42:08	11.7
23 apr 2018	19:30:43	04:41:08	16h 11m 52.7s	+43° 07' 51"	15:48:29	02:15:22	12:36:44	11.7
24 apr 2018	19:32:01	04:39:28	16h 10m 16.6s	+43° 08' 04"	15:42:58	02:09:51	12:31:12	11.7
25 apr 2018	19:33:18	04:37:50	16h 08m 39.1s	+43° 07' 54"	15:37:32	02:04:18	12:25:32	11.7
26 apr 2018	19:34:36	04:36:12	16h 07m 00.4s	+43° 07' 23"	15:32:11	01:58:44	12:19:44	11.7
27 apr 2018	19:35:53	04:34:35	16h 05m 20.6s	+43° 06' 28"	15:26:57	01:53:09	12:13:49	11.7
28 apr 2018	19:37:11	04:32:59	16h 03m 39.8s	+43° 05' 09"	15:21:48	01:47:33	12:07:46	11.7
29 apr 2018	19:38:29	04:31:24	16h 01m 57.9s	+43° 03' 27"	15:16:44	01:41:56	12:01:35	11.7
30 apr 2018	19:39:46	04:29:50	16h 00m 15.1s	+43° 01' 21"	15:11:47	01:36:18	11:55:17	11.7
01 mag 2018	19:41:04	04:28:18	15h 58m 31.5s	+42° 58' 51"	15:06:56	01:30:39	11:48:51	11.7