

JPL/HORIZONS

ZTF (C/2022 E3)

2022-Dec-21 05:09:05

Date (UT)	R.A.	(ICRF)		DEC	T-mag	N-mag	delta	deldot	S-O-T/r	S-T-O	

22-Dec-28	15 53	33.12	+29	33 03.2	10.342	13.112	1.147	-46.151	64.27/L	50.90	
22-Dec-29	15 53	27.72	+29	53 57.1	10.283	13.076	1.120	-46.552	65.12/L	51.62	
22-Dec-30	15 53	21.08	+30	16 06.6	10.223	13.038	1.093	-46.936	65.99/L	52.34	
22-Dec-31	m 15 53	13.07	+30	39 37.6	10.161	12.999	1.066	-47.302	66.88/L	53.05	
23-Jan-01	m 15 53	03.58	+31	04 36.7	10.098	12.959	1.039	-47.649	67.79/L	53.76	
23-Jan-02	m 15 52	52.43	+31	31 11.3	10.034	12.916	1.011	-47.974	68.72/L	54.45	
23-Jan-03	m 15 52	39.47	+31	59 29.5	9.968	12.872	0.984	-48.278	69.67/L	55.14	
23-Jan-04	m 15 52	24.49	+32	29 40.7	9.901	12.825	0.956	-48.557	70.64/L	55.81	
23-Jan-05	m 15 52	07.25	+33	01 55.4	9.832	12.777	0.928	-48.810	71.64/L	56.47	
23-Jan-06	m 15 51	47.50	+33	36 25.3	9.761	12.726	0.900	-49.035	72.66/L	57.11	
23-Jan-07	m 15 51	24.90	+34	13 23.9	9.688	12.672	0.871	-49.229	73.72/L	57.73	
23-Jan-08	m 15 50	59.08	+34	53 06.3	9.613	12.616	0.843	-49.389	74.80/L	58.33	
23-Jan-09	m 15 50	29.58	+35	35 50.0	9.536	12.556	0.815	-49.512	75.91/L	58.89	
23-Jan-10	m 15 49	55.88	+36	21 54.6	9.457	12.493	0.786	-49.593	77.06/L	59.42	
23-Jan-11	m 15 49	17.32	+37	11 42.8	9.376	12.427	0.758	-49.628	78.25/L	59.92	
23-Jan-12	m 15 48	33.09	+38	05 40.6	9.291	12.356	0.729	-49.611	79.48/L	60.38	
23-Jan-13	m 15 47	42.22	+39	04 17.9	9.205	12.282	0.701	-49.535	80.76/L	60.78	
23-Jan-14	m 15 46	43.48	+40	08 09.3	9.115	12.203	0.672	-49.392	82.09/L	61.13	
23-Jan-15	m 15 45	35.33	+41	17 54.7	9.022	12.119	0.644	-49.172	83.48/L	61.42	
23-Jan-16	15 44	15.81	+42	34 20.3	8.927	12.029	0.616	-48.862	84.93/L	61.64	
23-Jan-17	15 42	42.35	+43	58 19.5	8.828	11.934	0.588	-48.449	86.46/L	61.77	
23-Jan-18	15 40	51.59	+45	30 54.4	8.725	11.833	0.560	-47.913	88.06/L	61.82	
23-Jan-19	15 38	39.02	+47	13 16.1	8.620	11.724	0.533	-47.233	89.76/L	61.75	
23-Jan-20	15 35	58.40	+49	06 46.7	8.511	11.609	0.506	-46.382	91.55/L	61.57	
23-Jan-21	15 32	40.95	+51	12 58.8	8.399	11.487	0.479	-45.326	93.45/L	61.26	
23-Jan-22	15 28	33.88	+53	33 35.4	8.284	11.357	0.454	-44.026	95.48/L	60.79	
23-Jan-23	15 23	17.83	+56	10 26.9	8.167	11.220	0.429	-42.431	97.64/L	60.15	
23-Jan-24	15 16	22.21	+59	05 23.6	8.048	11.076	0.405	-40.484	99.94/L	59.33	
23-Jan-25	15 06	55.83	+62	19 58.3	7.929	10.926	0.382	-38.117	102.39/L	58.31	
23-Jan-26	14 53	27.15	+65	54 49.1	7.813	10.771	0.361	-35.253	104.97/L	57.09	
23-Jan-27	14 32	58.10	+69	48 12.7	7.700	10.615	0.342	-31.817	107.68/L	55.66	
23-Jan-28	13 59	08.94	+73	52 23.0	7.596	10.461	0.324	-27.738	110.45/L	54.07	
23-Jan-29	m 12 57	47.31	+77	42 46.2	7.504	10.317	0.310	-22.972	113.23/L	52.34	
23-Jan-30	m 11 05	44.01	+80	09 27.7	7.429	10.188	0.298	-17.521	115.88/L	50.59	
23-Jan-31	m 08 44	27.30	+79	19 31.2	7.377	10.083	0.290	-11.460	118.27/T	48.91	
23-Feb-01	m 07 08	03.25	+75	20 08.2	7.350	10.011	0.285	-4.947	120.23/T	47.46	
23-Feb-02	m 06 16	24.51	+69	50 50.4	7.353	9.979	0.284	1.785	121.61/T	46.35	
23-Feb-03	m 05 47	15.13	+63	50 49.5	7.386	9.990	0.287	8.462	122.31/T	45.67	
23-Feb-04	m 05 29	10.19	+57	48 30.3	7.446	10.041	0.294	14.822	122.33/T	45.42	
23-Feb-05	m 05 17	04.04	+51	59 37.7	7.532	10.129	0.304	20.661	121.74/T	45.56	
23-Feb-06	m 05 08	29.74	+46	33 15.4	7.637	10.244	0.317	25.859	120.65/T	45.98	
23-Feb-07	m 05 02	09.85	+41	33 58.9	7.757	10.380	0.333	30.374	119.22/T	46.57	
23-Feb-08	m 04 57	20.24	+37	03 15.1	7.887	10.528	0.352	34.227	117.57/T	47.25	
23-Feb-09	m 04 53	34.07	+33	00 27.6	8.023	10.683	0.372	37.475	115.81/T	47.93	
23-Feb-10	m 04 50	34.18	+29	23 47.9	8.162	10.839	0.395	40.192	114.00/T	48.56	
23-Feb-11	m 04 48	09.05	+26	10 52.3	8.302	10.993	0.418	42.455	112.20/T	49.11	
23-Feb-12	m 04 46	10.75	+23	19 06.7	8.442	11.144	0.443	44.336	110.43/T	49.58	
23-Feb-13	m 04 44	33.58	+20	46 00.7	8.579	11.290	0.469	45.898	108.72/T	49.95	
23-Feb-14	04 43	13.39	+18	29 15.2	8.713	11.431	0.496	47.195	107.07/T	50.23	
23-Feb-15	04 42	07.06	+16	26 45.4	8.844	11.565	0.523	48.273	105.48/T	50.42	
23-Feb-16	04 41	12.21	+14	36 41.8	8.972	11.694	0.551	49.167	103.96/T	50.53	
23-Feb-17	04 40	27.01	+12	57 29.3	9.096	11.817	0.580	49.908	102.50/T	50.56	
23-Feb-18	04 39	49.99	+11	27 45.5	9.217	11.934	0.609	50.520	101.10/T	50.52	
23-Feb-19	04 39	20.00	+10	06 19.9	9.334	12.045	0.638	51.023	99.75/T	50.43	
23-Feb-20	04 38	56.10	+08	52 11.7	9.447	12.152	0.667	51.433	98.45/T	50.28	
23-Feb-21	04 38	37.51	+07	44 28.8	9.557	12.253	0.697	51.764	97.20/T	50.09	
23-Feb-22	04 38	23.59	+06	42 26.3	9.664	12.350	0.727	52.026	95.99/T	49.85	
23-Feb-23	04 38	13.81	+05	45 25.4	9.768	12.443	0.757	52.229	94.81/T	49.58	
23-Feb-24	04 38	07.72	+04	52 52.7	9.869	12.532	0.787	52.381	93.68/T	49.28	
23-Feb-25	04 38	04.94	+04	04 19.2	9.967	12.617	0.817	52.488	92.58/T	48.95	
23-Feb-26	04 38	05.14	+03	19 19.7	10.062	12.699	0.847	52.555	91.50/T	48.59	
23-Feb-27	m 04 38	08.03	+02	37 32.2	10.155	12.778	0.877	52.587	90.46/T	48.21	
23-Feb-28	m 04 38	13.39	+01	58 37.6	10.245	12.853	0.907	52.588	89.44/T	47.82	
23-Mar-01	m 04 38	20.99	+01	22 18.8	10.333	12.926	0.938	52.562	88.44/T	47.41	
23-Mar-02	m 04 38	30.65	+00	48 21.2	10.419	12.996	0.968	52.511	87.47/T	46.98	
23-Mar-03	m 04 38	42.22	+00	16 31.5	10.502	13.064	0.998	52.437	86.51/T	46.54	
23-Mar-04	m 04 38	55.56	-00	13 21.8	10.584	13.129	1.028	52.344	85.58/T	46.10	
23-Mar-05	m 04 39	10.54	-00	41 29.0	10.664	13.193	1.058	52.232	84.66/T	45.64	
23-Mar-06	m 04 39	27.05	-01	07 59.4	10.741	13.254	1.088	52.103	83.76/T	45.18	
23-Mar-07	m 04 39	44.99	-01	33 01.0	10.818	13.313	1.118	51.959	82.87/T	44.71	
23-Mar-08	m 04 40	04.28	-01	56 41.4	10.892	13.370	1.148	51.801	82.00/T	44.24	
23-Mar-09	m 04 40	24.85	-02	19 07.0	10.965	13.426	1.177	51.629	81.14/T	43.76	
23-Mar-10	m 04 40	46.61	-02	40 23.9	11.036	13.480	1.207	51.446	80.30/T	43.28	

23-Mar-11	m	04	41	09.51	-03	00	37.4	11.106	13.532	1.236	51.251	79.47/T	42.79
23-Mar-12	m	04	41	33.50	-03	19	52.4	11.175	13.584	1.266	51.046	78.65/T	42.31
23-Mar-13	m	04	41	58.52	-03	38	13.3	11.242	13.633	1.295	50.831	77.84/T	41.82
23-Mar-14		04	42	24.53	-03	55	44.1	11.308	13.682	1.324	50.606	77.04/T	41.34
23-Mar-15		04	42	51.48	-04	12	28.5	11.372	13.729	1.353	50.373	76.26/T	40.85
23-Mar-16		04	43	19.35	-04	28	29.9	11.436	13.775	1.382	50.131	75.48/T	40.37
23-Mar-17		04	43	48.08	-04	43	51.3	11.498	13.819	1.411	49.880	74.72/T	39.89
23-Mar-18		04	44	17.66	-04	58	35.6	11.559	13.863	1.439	49.622	73.96/T	39.40
23-Mar-19		04	44	48.04	-05	12	45.5	11.619	13.906	1.468	49.355	73.21/T	38.92
23-Mar-20		04	45	19.21	-05	26	23.2	11.678	13.947	1.496	49.082	72.47/T	38.44
23-Mar-21		04	45	51.12	-05	39	31.2	11.736	13.988	1.524	48.801	71.74/T	37.97
23-Mar-22		04	46	23.76	-05	52	11.4	11.793	14.028	1.552	48.514	71.02/T	37.50
23-Mar-23		04	46	57.10	-06	04	25.8	11.849	14.067	1.580	48.220	70.31/T	37.03
23-Mar-24		04	47	31.10	-06	16	16.2	11.904	14.105	1.608	47.920	69.60/T	36.56
23-Mar-25		04	48	05.74	-06	27	44.1	11.958	14.142	1.635	47.615	68.90/T	36.10
23-Mar-26		04	48	41.00	-06	38	51.3	12.011	14.179	1.662	47.305	68.21/T	35.64
23-Mar-27		04	49	16.86	-06	49	39.0	12.064	14.215	1.689	46.990	67.53/T	35.18

Pozice jsou počítány pro světovou půlnoc.