



# Ephemeride des Kleinplaneten (471) Papagena

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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15 Sep 2020	02h52m25.78s	-05 34' 41.3"	2.2564	1.4749	10.2	129.9	20.0	25.27	140.77	9.11	166.6	Eri
16 Sep 2020	02h52m29.66s	-05 38' 13.8"	2.2556	1.4664	10.2	130.8	19.7	25.59	141.78	8.99	174.0	Eri
17 Sep 2020	02h52m31.65s	-05 41' 48.1"	2.2548	1.4581	10.2	131.6	19.5	25.91	142.81	9.01	181.6	Eri
18 Sep 2020	02h52m31.74s	-05 45' 23.8"	2.2539	1.4500	10.1	132.5	19.2	26.21	143.85	9.17	189.0	Eri
19 Sep 2020	02h52m29.95s	-05 49' 00.7"	2.2531	1.4419	10.1	133.3	18.9	26.51	144.90	9.47	196.2	Eri
20 Sep 2020	02h52m26.25s	-05 52' 38.2"	2.2524	1.4341	10.1	134.2	18.6	26.81	145.97	9.88	202.8	Eri
21 Sep 2020	02h52m20.66s	-05 56' 16.0"	2.2516	1.4264	10.1	135.0	18.4	27.09	147.05	10.40	208.8	Eri
22 Sep 2020	02h52m13.17s	-05 59' 53.7"	2.2508	1.4188	10.1	135.9	18.1	27.37	148.15	11.01	214.3	Eri
23 Sep 2020	02h52m03.78s	-06 03' 30.9"	2.2501	1.4114	10.0	136.8	17.8	27.64	149.26	11.70	219.2	Eri
24 Sep 2020	02h51m52.52s	-06 07' 07.1"	2.2494	1.4042	10.0	137.6	17.5	27.91	150.38	12.44	223.5	Eri
25 Sep 2020	02h51m39.37s	-06 10' 41.9"	2.2486	1.3971	10.0	138.5	17.2	28.16	151.52	13.23	227.4	Eri
26 Sep 2020	02h51m24.35s	-06 14' 15.0"	2.2479	1.3902	10.0	139.4	16.9	28.41	152.67	14.06	230.9	Eri
27 Sep 2020	02h51m07.47s	-06 17' 45.8"	2.2472	1.3835	10.0	140.2	16.6	28.64	153.84	14.92	234.0	Eri
28 Sep 2020	02h50m48.74s	-06 21' 14.0"	2.2466	1.3769	9.9	141.1	16.3	28.87	155.02	15.80	236.8	Eri
29 Sep 2020	02h50m28.17s	-06 24' 39.2"	2.2459	1.3705	9.9	141.9	16.0	29.09	156.21	16.70	239.4	Eri
30 Sep 2020	02h50m05.78s	-06 28' 00.8"	2.2452	1.3643	9.9	142.8	15.6	29.30	157.42	17.61	241.7	Eri
1 Okt 2020	02h49m41.58s	-06 31' 18.5"	2.2446	1.3583	9.9	143.7	15.3	29.49	158.64	18.53	243.8	Eri
2 Okt 2020	02h49m15.60s	-06 34' 31.7"	2.2440	1.3525	9.8	144.5	15.0	29.68	159.87	19.45	245.8	Eri
3 Okt 2020	02h48m47.85s	-06 37' 40.1"	2.2433	1.3468	9.8	145.4	14.7	29.86	161.11	20.37	247.6	Eri
4 Okt 2020	02h48m18.35s	-06 40' 43.2"	2.2427	1.3414	9.8	146.2	14.4	30.02	162.37	21.29	249.3	Eri
5 Okt 2020	02h47m47.14s	-06 43' 40.4"	2.2421	1.3361	9.8	147.0	14.0	30.17	163.64	22.20	250.9	Eri
6 Okt 2020	02h47m14.24s	-06 46' 31.4"	2.2416	1.3310	9.8	147.9	13.7	30.32	164.92	23.10	252.4	Eri
7 Okt 2020	02h46m39.69s	-06 49' 15.7"	2.2410	1.3262	9.7	148.7	13.4	30.44	166.22	23.99	253.8	Eri
8 Okt 2020	02h46m03.51s	-06 51' 52.7"	2.2405	1.3215	9.7	149.5	13.1	30.56	167.52	24.87	255.1	Eri
9 Okt 2020	02h45m25.75s	-06 54' 22.0"	2.2399	1.3171	9.7	150.3	12.8	30.66	168.83	25.73	256.4	Eri
10 Okt 2020	02h44m46.45s	-06 56' 43.1"	2.2394	1.3128	9.7	151.0	12.5	30.75	170.16	26.57	257.6	Cet
11 Okt 2020	02h44m05.64s	-06 58' 55.5"	2.2389	1.3088	9.7	151.8	12.2	30.83	171.49	27.39	258.8	Cet
12 Okt 2020	02h43m23.38s	-07 00' 58.7"	2.2384	1.3050	9.6	152.5	11.9	30.90	172.83	28.19	259.9	Cet
13 Okt 2020	02h42m39.72s	-07 02' 52.2"	2.2379	1.3014	9.6	153.2	11.6	30.95	174.18	28.96	261.0	Cet
14 Okt 2020	02h41m54.72s	-07 04' 35.5"	2.2374	1.2980	9.6	153.9	11.3	30.98	175.54	29.71	262.1	Cet
15 Okt 2020	02h41m08.42s	-07 06' 08.1"	2.2370	1.2949	9.6	154.6	11.0	31.00	176.91	30.42	263.2	Cet
16 Okt 2020	02h40m20.91s	-07 07' 29.6"	2.2365	1.2920	9.6	155.2	10.8	31.01	178.28	31.10	264.2	Cet
17 Okt 2020	02h39m32.23s	-07 08' 39.4"	2.2361	1.2893	9.6	155.8	10.5	31.01	179.65	31.75	265.2	Cet
18 Okt 2020	02h38m42.46s	-07 09' 37.1"	2.2357	1.2868	9.6	156.4	10.3	30.99	181.03	32.36	266.3	Cet
19 Okt 2020	02h37m51.68s	-07 10' 22.1"	2.2353	1.2846	9.5	156.9	10.1	30.95	182.42	32.93	267.3	Cet
20 Okt 2020	02h36m59.96s	-07 10' 54.2"	2.2349	1.2826	9.5	157.4	9.9	30.90	183.81	33.46	268.2	Cet
21 Okt 2020	02h36m07.37s	-07 11' 12.9"	2.2345	1.2809	9.5	157.8	9.7	30.84	185.20	33.96	269.2	Cet
22 Okt 2020	02h35m14.00s	-07 11' 17.7"	2.2341	1.2794	9.5	158.2	9.5	30.76	186.59	34.41	270.2	Cet
23 Okt 2020	02h34m19.92s	-07 11' 08.5"	2.2338	1.2781	9.5	158.5	9.4	30.67	187.98	34.83	271.2	Cet
24 Okt 2020	02h33m25.21s	-07 10' 44.8"	2.2334	1.2771	9.5	158.8	9.3	30.56	189.38	35.21	272.2	Cet
25 Okt 2020	02h32m29.95s	-07 10' 06.3"	2.2331	1.2763	9.5	159.0	9.2	30.44	190.77	35.54	273.2	Cet
26 Okt 2020	02h31m34.23s	-07 09' 12.8"	2.2328	1.2757	9.5	159.1	9.1	30.31	192.16	35.84	274.2	Cet
27 Okt 2020	02h30m38.11s	-07 08' 04.1"	2.2325	1.2754	9.5	159.2	9.1	30.16	193.55	36.11	275.2	Cet
28 Okt 2020	02h29m41.68s	-07 06' 39.8"	2.2322	1.2753	9.5	159.2	9.1	30.00	194.94	36.33	276.2	Cet
29 Okt 2020	02h28m45.03s	-07 04' 59.9"	2.2319	1.2755	9.5	159.1	9.1	29.82	196.33	36.51	277.2	Cet
30 Okt 2020	02h27m48.22s	-07 03' 04.2"	2.2317	1.2759	9.5	159.0	9.2	29.64	197.71	36.66	278.2	Cet
31 Okt 2020	02h26m51.35s	-07 00' 52.4"	2.2314	1.2766	9.5	158.9	9.2	29.43	199.08	36.77	279.2	Cet
1 Nov 2020	02h25m54.49s	-06 58' 24.5"	2.2312	1.2775	9.5	158.6	9.3	29.22	200.45	36.84	280.3	Cet
2 Nov 2020	02h24m57.73s	-06 55' 40.4"	2.2310	1.2786	9.5	158.3	9.5	28.99	201.82	36.88	281.3	Cet
3 Nov 2020	02h24m01.14s	-06 52' 40.0"	2.2308	1.2800	9.5	158.0	9.6	28.75	203.18	36.88	282.4	Cet
4 Nov 2020	02h23m04.80s	-06 49' 23.3"	2.2306	1.2816	9.5	157.5	9.8	28.50	204.53	36.85	283.5	Cet
5 Nov 2020	02h22m08.80s	-06 45' 50.1"	2.2304	1.2835	9.5	157.1	10.0	28.24	205.87	36.78	284.6	Cet
6 Nov 2020	02h21m13.21s	-06 42' 00.6"	2.2302	1.2856	9.5	156.6	10.2	27.97	207.21	36.68	285.8	Cet
7 Nov 2020	02h20m18.10s	-06 37' 54.6"	2.2301	1.2879	9.6	156.0	10.4	27.68	208.54	36.55	287.0	Cet
8 Nov 2020	02h19m23.56s	-06 33' 32.3"	2.2299	1.2905	9.6	155.4	10.6	27.39	209.86	36.39	288.2	Cet
9 Nov 2020	02h18m29.67s	-06 28' 53.6"	2.2298	1.2933	9.6	154.8	10.9	27.08	211.17	36.20	289.4	Cet
10 Nov 2020	02h17m36.49s	-06 23' 58.6"	2.2297	1.2964	9.6	154.1	11.2	26.77	212.47	35.98	290.7	Cet
11 Nov 2020	02h16m44.10s	-06 18' 47.5"	2.2296	1.2997	9.6	153.4	11.5	26.44	213.77	35.74	292.0	Cet
12 Nov 2020	02h15m52.58s	-06 13' 20.2"	2.2295	1.3032	9.6	152.7	11.7	26.11	215.05	35.47	293.3	Cet
13 Nov 2020	02h15m01.99s	-06 07' 37.0"	2.2295	1.3070	9.6	151.9	12.0	25.77	216.32	35.17	294.7	Cet
14 Nov 2020	02h14m12.42s	-06 01' 37.8"	2.2294	1.3110	9.7	151.2	12.4	25.42	217.58	34.86	296.2	Cet
15 Nov 2020	02h13m23.92s	-05 55' 23.0"	2.2294	1.3152	9.7	150.4	12.7	25.06	218.83	34.53	297.7	Cet
16 Nov 2020	02h12m36.57s	-05 48' 52.7"	2.2293	1.3196	9.7	149.6	13.0	24.70	220.07	34.18	299.2	Cet
17 Nov 2020	02h11m50.43s	-05 42' 07.0"	2.2293	1.3243	9.7	148.7	13.3	24.33	221.30	33.81	300.8	Cet
18 Nov 2020	02h11m05.56s	-05 35' 06.2"	2.2293	1.3292	9.7	147.9	13.6	23.95	222.52	33.44	302.4	Cet
19 Nov 2020	02h10m22.01s	-05 27' 50.6"	2.2293	1.3343	9.8	147.0	14.0	23.57	223.72	33.06	304.1	Cet
20 Nov 2020	02h09m39.85s	-05 20' 20.4"	2.2294	1.3396	9.8	146.2	14.3	23.18	224.92	32.68	305.9	Cet
21 Nov 2020	02h08m59.10s	-05 12' 36.0"	2.2294	1.3452	9.8	145.3	14.6	22.79	226.10	32.30	307.6	Cet
22 Nov 2020	02h08m19.83s	-05 04' 37.5"	2.2294	1.3509	9.8	144.4	14.9	22.40	227.27	31.92	309.5	Cet
23 Nov 2020	02h07m42.07s	-04 56' 25.4"	2.2295	1.3569	9.8	143.5	15.3	21.99	228.43	31.55	311.4	Cet
24 Nov 2020	02h07m05.86s	-04 48' 00.0"	2.2296	1.3630	9.9	142.6	15.6	21.59	229.58	31.18	313.4	Cet
25 Nov 2020	02h06m31.23s	-04 39' 21.6"	2.2297	1.3694	9.9	141.7	15.9	21.18	230.72	30.83	315.4	Cet
26 Nov 2020	02h05m58.21s	-04 30' 30.6"	2.2298	1.3760	9.9	140.8	16.2	20.77	231.85	30.50	317.4	Cet
27 Nov 2020	02h05m26.84s	-04 21' 27.2"	2.2299	1.3827	9.9	139.9	16.6	20.36	232.96	30.18	319.5	Cet

## Ephemeride des Kleinplaneten (471) Papagena

<u>Datum</u>	<u>RA</u>	<u>Deklination</u>	<u>r</u>	<u>delta</u>	<u>mag</u>	<u>Elong</u>	<u>Phase</u>	<u>Höhe</u>	<u>Az.</u>	<u>Gesch.</u>	<u>PA</u>	<u>Stb</u>
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28 Nov 2020	02h04m57.14s	-04 12' 11.9"	2.2301	1.3896	10.0	139.0	16.9	19.94	234.07	29.88	321.7	Cet
29 Nov 2020	02h04m29.13s	-04 02' 44.9"	2.2302	1.3968	10.0	138.1	17.2	19.52	235.16	29.61	323.9	Cet
30 Nov 2020	02h04m02.83s	-03 53' 06.7"	2.2304	1.4041	10.0	137.1	17.5	19.11	236.24	29.36	326.2	Cet
1 Dez 2020	02h03m38.27s	-03 43' 17.5"	2.2305	1.4116	10.0	136.2	17.8	18.68	237.31	29.14	328.5	Cet