





Ephemeride des Kleinplaneten (2) Pallas

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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15 Mai 2020	19h37m54.29s	+18 52' 22.4"	3.3175	2.8626	10.0	108.0	16.8	40.41	113.37	20.39	351.6	Sge
16 Mai 2020	19h37m49.31s	+19 00' 21.2"	3.3185	2.8535	10.0	108.7	16.8	41.09	114.27	20.26	349.5	Sge
17 Mai 2020	19h37m43.09s	+19 08' 13.7"	3.3195	2.8445	10.0	109.3	16.7	41.76	115.19	20.15	347.3	Sge
18 Mai 2020	19h37m35.63s	+19 15' 59.8"	3.3206	2.8356	10.0	110.0	16.6	42.43	116.14	20.06	345.0	Sge
19 Mai 2020	19h37m26.93s	+19 23' 39.1"	3.3216	2.8268	10.0	110.7	16.6	43.10	117.10	19.98	342.8	Sge
20 Mai 2020	19h37m16.98s	+19 31' 11.3"	3.3226	2.8180	9.9	111.3	16.5	43.76	118.09	19.92	340.5	Vul
21 Mai 2020	19h37m05.80s	+19 38' 36.1"	3.3236	2.8094	9.9	112.0	16.4	44.42	119.10	19.89	338.2	Vul
22 Mai 2020	19h36m53.38s	+19 45' 53.2"	3.3246	2.8008	9.9	112.6	16.3	45.08	120.13	19.87	335.9	Vul
23 Mai 2020	19h36m39.72s	+19 53' 02.4"	3.3256	2.7924	9.9	113.3	16.2	45.73	121.19	19.87	333.6	Vul
24 Mai 2020	19h36m24.84s	+20 00' 03.3"	3.3266	2.7841	9.9	114.0	16.2	46.37	122.27	19.89	331.3	Vul
25 Mai 2020	19h36m08.74s	+20 06' 55.5"	3.3276	2.7758	9.9	114.6	16.1	47.01	123.38	19.93	329.0	Vul
26 Mai 2020	19h35m51.42s	+20 13' 39.0"	3.3286	2.7677	9.9	115.3	16.0	47.65	124.52	19.98	326.7	Vul
27 Mai 2020	19h35m32.90s	+20 20' 13.2"	3.3295	2.7597	9.9	115.9	15.9	48.28	125.69	20.06	324.4	Vul
28 Mai 2020	19h35m13.17s	+20 26' 38.0"	3.3305	2.7518	9.9	116.5	15.8	48.90	126.88	20.15	322.1	Vul
29 Mai 2020	19h34m52.26s	+20 32' 53.0"	3.3315	2.7440	9.9	117.2	15.7	49.51	128.11	20.26	319.9	Vul
30 Mai 2020	19h34m30.18s	+20 38' 58.0"	3.3324	2.7363	9.9	117.8	15.6	50.12	129.37	20.39	317.6	Vul
31 Mai 2020	19h34m06.94s	+20 44' 52.7"	3.3334	2.7288	9.8	118.5	15.5	50.71	130.67	20.53	315.4	Vul
1 Jun 2020	19h33m42.54s	+20 50' 36.8"	3.3343	2.7214	9.8	119.1	15.4	51.30	131.99	20.69	313.2	Vul
2 Jun 2020	19h33m17.01s	+20 56' 10.0"	3.3353	2.7141	9.8	119.7	15.3	51.88	133.36	20.87	311.1	Vul
3 Jun 2020	19h32m50.36s	+21 01' 32.1"	3.3362	2.7070	9.8	120.3	15.2	52.44	134.76	21.06	309.0	Vul
4 Jun 2020	19h32m22.60s	+21 06' 42.8"	3.3371	2.7000	9.8	121.0	15.1	52.99	136.19	21.27	306.9	Vul
5 Jun 2020	19h31m53.75s	+21 11' 41.9"	3.3381	2.6931	9.8	121.6	15.0	53.53	137.67	21.49	304.8	Vul
6 Jun 2020	19h31m23.82s	+21 16' 29.1"	3.3390	2.6864	9.8	122.2	14.9	54.06	139.19	21.72	302.8	Vul
7 Jun 2020	19h30m52.82s	+21 21' 04.1"	3.3399	2.6798	9.8	122.8	14.8	54.57	140.74	21.96	300.8	Vul
8 Jun 2020	19h30m20.79s	+21 25' 26.7"	3.3408	2.6733	9.8	123.4	14.7	55.07	142.34	22.22	298.8	Vul
9 Jun 2020	19h29m47.72s	+21 29' 36.5"	3.3417	2.6670	9.8	123.9	14.6	55.54	143.97	22.49	296.9	Vul
10 Jun 2020	19h29m13.65s	+21 33' 33.4"	3.3426	2.6609	9.8	124.5	14.5	56.01	145.65	22.76	295.0	Vul
11 Jun 2020	19h28m38.59s	+21 37' 17.1"	3.3435	2.6549	9.8	125.1	14.4	56.45	147.37	23.05	293.2	Vul
12 Jun 2020	19h28m02.56s	+21 40' 47.2"	3.3444	2.6491	9.7	125.7	14.3	56.87	149.14	23.34	291.3	Vul
13 Jun 2020	19h27m25.59s	+21 44' 03.5"	3.3452	2.6434	9.7	126.2	14.2	57.27	150.94	23.64	289.6	Vul
14 Jun 2020	19h26m47.70s	+21 47' 05.8"	3.3461	2.6379	9.7	126.8	14.1	57.65	152.79	23.94	287.8	Vul
15 Jun 2020	19h26m08.92s	+21 49' 53.9"	3.3470	2.6325	9.7	127.3	14.0	58.01	154.67	24.25	286.1	Vul
16 Jun 2020	19h25m29.27s	+21 52' 27.3"	3.3478	2.6274	9.7	127.8	13.9	58.34	156.60	24.56	284.4	Vul
17 Jun 2020	19h24m48.79s	+21 54' 46.0"	3.3487	2.6224	9.7	128.3	13.8	58.65	158.56	24.87	282.7	Vul
18 Jun 2020	19h24m07.50s	+21 56' 49.7"	3.3495	2.6175	9.7	128.8	13.7	58.94	160.56	25.18	281.1	Vul
19 Jun 2020	19h23m25.43s	+21 58' 38.2"	3.3504	2.6129	9.7	129.3	13.6	59.19	162.60	25.50	279.5	Vul
20 Jun 2020	19h22m42.62s	+22 00' 11.2"	3.3512	2.6084	9.7	129.8	13.5	59.42	164.66	25.81	277.9	Vul
21 Jun 2020	19h21m59.11s	+22 01' 28.5"	3.3521	2.6041	9.7	130.3	13.4	59.62	166.76	26.12	276.3	Vul
22 Jun 2020	19h21m14.92s	+22 02' 30.1"	3.3529	2.6000	9.7	130.7	13.3	59.79	168.88	26.43	274.8	Vul
23 Jun 2020	19h20m30.10s	+22 03' 15.6"	3.3537	2.5960	9.7	131.2	13.2	59.92	171.03	26.74	273.3	Vul
24 Jun 2020	19h19m44.68s	+22 03' 45.0"	3.3545	2.5923	9.7	131.6	13.1	60.03	173.20	27.04	271.8	Vul
25 Jun 2020	19h18m58.71s	+22 03' 58.2"	3.3553	2.5888	9.7	132.0	13.0	60.11	175.38	27.34	270.4	Vul
26 Jun 2020	19h18m12.22s	+22 03' 54.9"	3.3561	2.5854	9.7	132.4	12.9	60.15	177.57	27.63	268.9	Vul
27 Jun 2020	19h17m25.25s	+22 03' 35.1"	3.3569	2.5822	9.6	132.8	12.8	60.16	179.77	27.91	267.5	Vul
28 Jun 2020	19h16m37.84s	+22 02' 58.7"	3.3577	2.5793	9.6	133.2	12.8	60.14	181.97	28.19	266.1	Vul
29 Jun 2020	19h15m50.04s	+22 02' 05.7"	3.3585	2.5765	9.6	133.5	12.7	60.09	184.17	28.47	264.8	Vul
30 Jun 2020	19h15m01.88s	+22 00' 56.1"	3.3593	2.5739	9.6	133.9	12.6	60.00	186.37	28.73	263.4	Vul
1 Jul 2020	19h14m13.41s	+21 59' 29.6"	3.3601	2.5716	9.6	134.2	12.5	59.88	188.55	28.99	262.1	Vul
2 Jul 2020	19h13m24.67s	+21 57' 46.5"	3.3609	2.5694	9.6	134.5	12.5	59.73	190.72	29.25	260.7	Vul
3 Jul 2020	19h12m35.69s	+21 55' 46.6"	3.3616	2.5674	9.6	134.7	12.4	59.54	192.88	29.49	259.4	Vul
4 Jul 2020	19h11m46.51s	+21 53' 29.9"	3.3624	2.5657	9.6	135.0	12.3	59.33	195.01	29.73	258.1	Vul
5 Jul 2020	19h10m57.19s	+21 50' 56.5"	3.3631	2.5641	9.6	135.2	12.3	59.08	197.11	29.97	256.9	Vul
6 Jul 2020	19h10m07.75s	+21 48' 06.4"	3.3639	2.5627	9.6	135.5	12.2	58.81	199.19	30.19	255.6	Vul
7 Jul 2020	19h09m18.24s	+21 44' 59.6"	3.3646	2.5616	9.6	135.7	12.2	58.50	201.24	30.41	254.3	Vul
8 Jul 2020	19h08m28.70s	+21 41' 36.1"	3.3654	2.5607	9.6	135.8	12.2	58.17	203.25	30.62	253.1	Vul
9 Jul 2020	19h07m39.17s	+21 37' 56.0"	3.3661	2.5599	9.6	136.0	12.1	57.81	205.23	30.82	251.8	Vul
10 Jul 2020	19h06m49.69s	+21 33' 59.4"	3.3668	2.5594	9.6	136.1	12.1	57.42	207.17	31.01	250.6	Vul
11 Jul 2020	19h06m00.30s	+21 29' 46.3"	3.3675	2.5591	9.6	136.2	12.1	57.01	209.08	31.19	249.4	Vul
12 Jul 2020	19h05m11.05s	+21 25' 16.9"	3.3682	2.5591	9.6	136.3	12.0	56.57	210.94	31.36	248.2	Vul
13 Jul 2020	19h04m21.97s	+21 20' 31.1"	3.3689	2.5592	9.6	136.4	12.0	56.11	212.76	31.52	246.9	Vul
14 Jul 2020	19h03m33.12s	+21 15' 29.2"	3.3696	2.5595	9.6	136.4	12.0	55.62	214.54	31.67	245.7	Sge
15 Jul 2020	19h02m44.53s	+21 10' 11.3"	3.3703	2.5601	9.6	136.4	12.0	55.12	216.28	31.81	244.5	Sge
16 Jul 2020	19h01m56.25s	+21 04' 37.5"	3.3710	2.5609	9.6	136.4	12.0	54.59	217.98	31.94	243.3	Sge
17 Jul 2020	19h01m08.32s	+20 58' 48.1"	3.3717	2.5619	9.6	136.4	12.0	54.04	219.64	32.06	242.1	Sge
18 Jul 2020	19h00m20.77s	+20 52' 43.1"	3.3724	2.5631	9.6	136.4	12.0	53.48	221.25	32.17	240.9	Sge
19 Jul 2020	18h59m33.66s	+20 46' 22.8"	3.3731	2.5645	9.6	136.3	12.0	52.90	222.83	32.26	239.7	Sge
20 Jul 2020	18h58m47.02s	+20 39' 47.4"	3.3737	2.5661	9.6	136.2	12.0	52.30	224.36	32.35	238.5	Sge
21 Jul 2020	18h58m00.90s	+20 32' 57.1"	3.3744	2.5680	9.6	136.1	12.1	51.68	225.86	32.42	237.3	Sge
22 Jul 2020	18h57m15.34s	+20 25' 52.2"	3.3751	2.5701	9.6	135.9	12.1	51.05	227.32	32.48	236.1	Her
23 Jul 2020	18h56m30.36s	+20 18' 33.0"	3.3757	2.5724	9.6	135.8	12.1	50.41	228.74	32.53	234.9	Her
24 Jul 2020	18h55m46.03s	+20 10' 59.7"	3.3763	2.5749	9.6	135.6	12.2	49.75	230.12	32.57	233.7	Her
25 Jul 2020	18h55m02.36s	+20 03' 12.7"	3.3770	2.5776	9.6	135.4	12.2	49.08	231.47	32.60	232.4	Her
26 Jul 2020	18h54m19.40s	+19 55' 12.3"	3.3776	2.5806	9.6	135.2	12.2	48.40	232.78	32.62	231.2	Her
27 Jul 2020	18h53m37.18s	+19 46' 58.7"	3.3782	2.5837	9.6	134.9	12.3	47.71	234.07	32.63	230.0	Her

Ephemeride des Kleinplaneten (2) Pallas

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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28 Jul 2020	18h52m55.73s	+19 38' 32.3"	3.3789	2.5871	9.6	134.6	12.3	47.00	235.31	32.63	228.8	Her
29 Jul 2020	18h52m15.09s	+19 29' 53.6"	3.3795	2.5907	9.7	134.4	12.4	46.29	236.53	32.62	227.6	Her
30 Jul 2020	18h51m35.28s	+19 21' 02.7"	3.3801	2.5945	9.7	134.1	12.5	45.57	237.72	32.61	226.4	Her
31 Jul 2020	18h50m56.32s	+19 12' 00.2"	3.3807	2.5985	9.7	133.7	12.5	44.85	238.88	32.58	225.1	Her
1 Aug 2020	18h50m18.26s	+19 02' 46.2"	3.3813	2.6027	9.7	133.4	12.6	44.11	240.01	32.55	223.9	Her
2 Aug 2020	18h49m41.11s	+18 53' 21.2"	3.3819	2.6072	9.7	133.0	12.7	43.37	241.11	32.51	222.7	Her
3 Aug 2020	18h49m04.89s	+18 43' 45.6"	3.3825	2.6118	9.7	132.6	12.8	42.62	242.19	32.47	221.4	Her
4 Aug 2020	18h48m29.63s	+18 33' 59.6"	3.3830	2.6166	9.7	132.2	12.8	41.87	243.25	32.42	220.2	Her
5 Aug 2020	18h47m55.35s	+18 24' 03.7"	3.3836	2.6217	9.7	131.8	12.9	41.11	244.28	32.37	218.9	Her
6 Aug 2020	18h47m22.08s	+18 13' 58.1"	3.3842	2.6269	9.7	131.4	13.0	40.35	245.29	32.31	217.7	Her
7 Aug 2020	18h46m49.82s	+18 03' 43.2"	3.3848	2.6323	9.7	130.9	13.1	39.58	246.27	32.25	216.4	Her
8 Aug 2020	18h46m18.61s	+17 53' 19.5"	3.3853	2.6380	9.7	130.5	13.2	38.81	247.24	32.19	215.2	Her
9 Aug 2020	18h45m48.47s	+17 42' 47.2"	3.3859	2.6438	9.7	130.0	13.3	38.03	248.19	32.12	213.9	Her
10 Aug 2020	18h45m19.40s	+17 32' 06.7"	3.3864	2.6499	9.7	129.5	13.4	37.26	249.11	32.04	212.6	Her
11 Aug 2020	18h44m51.44s	+17 21' 18.5"	3.3869	2.6561	9.7	129.0	13.4	36.48	250.02	31.97	211.3	Her
12 Aug 2020	18h44m24.58s	+17 10' 22.7"	3.3875	2.6625	9.8	128.5	13.5	35.69	250.91	31.89	210.0	Her
13 Aug 2020	18h43m58.86s	+16 59' 19.9"	3.3880	2.6691	9.8	128.0	13.6	34.91	251.79	31.81	208.7	Her
14 Aug 2020	18h43m34.29s	+16 48' 10.3"	3.3885	2.6759	9.8	127.4	13.7	34.12	252.65	31.73	207.4	Her
15 Aug 2020	18h43m10.88s	+16 36' 54.4"	3.3891	2.6829	9.8	126.9	13.8	33.34	253.49	31.64	206.0	Her
16 Aug 2020	18h42m48.64s	+16 25' 32.4"	3.3896	2.6901	9.8	126.3	13.9	32.55	254.32	31.56	204.7	Her
17 Aug 2020	18h42m27.58s	+16 14' 04.9"	3.3901	2.6975	9.8	125.7	14.0	31.76	255.13	31.47	203.3	Her
18 Aug 2020	18h42m07.73s	+16 02' 32.1"	3.3906	2.7050	9.8	125.2	14.1	30.97	255.93	31.39	202.0	Her
19 Aug 2020	18h41m49.09s	+15 50' 54.5"	3.3911	2.7127	9.8	124.6	14.2	30.18	256.72	31.31	200.6	Her
20 Aug 2020	18h41m31.66s	+15 39' 12.3"	3.3915	2.7206	9.8	124.0	14.3	29.40	257.50	31.22	199.2	Her
21 Aug 2020	18h41m15.46s	+15 27' 26.1"	3.3920	2.7287	9.8	123.4	14.4	28.61	258.26	31.14	197.8	Her
22 Aug 2020	18h41m00.50s	+15 15' 36.1"	3.3925	2.7369	9.9	122.8	14.5	27.82	259.01	31.06	196.5	Her
23 Aug 2020	18h40m46.77s	+15 03' 42.8"	3.3930	2.7453	9.9	122.1	14.6	27.04	259.76	30.98	195.1	Her
24 Aug 2020	18h40m34.29s	+14 51' 46.5"	3.3934	2.7539	9.9	121.5	14.7	26.25	260.49	30.91	193.7	Her
25 Aug 2020	18h40m23.05s	+14 39' 47.5"	3.3939	2.7626	9.9	120.9	14.8	25.47	261.21	30.83	192.2	Her
26 Aug 2020	18h40m13.05s	+14 27' 46.3"	3.3944	2.7715	9.9	120.2	14.9	24.69	261.92	30.77	190.8	Her
27 Aug 2020	18h40m04.30s	+14 15' 43.1"	3.3948	2.7805	9.9	119.6	15.0	23.91	262.62	30.70	189.4	Her
28 Aug 2020	18h39m56.80s	+14 03' 38.3"	3.3952	2.7897	9.9	118.9	15.1	23.13	263.32	30.65	188.0	Her
29 Aug 2020	18h39m50.53s	+13 51' 32.3"	3.3957	2.7991	9.9	118.2	15.2	22.35	264.01	30.60	186.6	Her
30 Aug 2020	18h39m45.50s	+13 39' 25.3"	3.3961	2.8086	9.9	117.6	15.3	21.58	264.69	30.55	185.2	Her
31 Aug 2020	18h39m41.71s	+13 27' 17.6"	3.3965	2.8182	10.0	116.9	15.4	20.81	265.36	30.51	183.7	Her
1 Sep 2020	18h39m39.15s	+13 15' 09.6"	3.3970	2.8280	10.0	116.2	15.5	20.04	266.02	30.48	182.3	Her