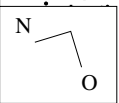
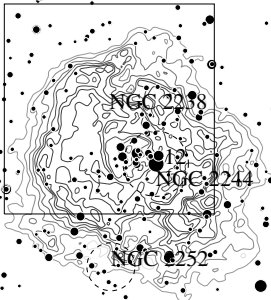


4	●	8	●
5	●	9	●
6	●	10	●
7	●	11	●



06h14m20.0s J2000.0
 +09 01' 43" Ori
 1 Mar 2019 0:00:00
 Bahn von (433) Eros



NGC 2251

Ephemeride des Kleinplaneten (433) Eros

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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15 Nov 2018	04h41m44.50s	+60 25' 29.5"	1.2690	0.3574	10.4	135.4	33.2	81.33	9.63	33.26	347.7	Cam
16 Nov 2018	04h41m32.22s	+60 38' 18.3"	1.2660	0.3529	10.4	135.7	33.0	81.20	6.09	31.99	344.7	Cam
17 Nov 2018	04h41m15.53s	+60 50' 28.3"	1.2631	0.3485	10.3	136.0	32.9	81.05	2.64	30.73	341.4	Cam
18 Nov 2018	04h40m54.46s	+61 01' 57.8"	1.2601	0.3441	10.3	136.3	32.8	80.87	359.30	29.50	337.8	Cam
19 Nov 2018	04h40m29.04s	+61 12' 44.8"	1.2572	0.3399	10.3	136.6	32.7	80.66	356.09	28.31	333.9	Cam
20 Nov 2018	04h39m59.31s	+61 22' 47.4"	1.2544	0.3356	10.2	136.9	32.6	80.43	353.00	27.18	329.7	Cam
21 Nov 2018	04h39m25.36s	+61 32' 03.7"	1.2515	0.3315	10.2	137.2	32.5	80.18	350.04	26.12	325.1	Cam
22 Nov 2018	04h38m47.26s	+61 40' 31.9"	1.2487	0.3274	10.2	137.4	32.4	79.90	347.21	25.15	320.0	Cam
23 Nov 2018	04h38m05.13s	+61 48' 09.7"	1.2458	0.3233	10.1	137.7	32.3	79.60	344.52	24.30	314.5	Cam
24 Nov 2018	04h37m19.06s	+61 54' 55.2"	1.2430	0.3194	10.1	137.9	32.2	79.29	341.95	23.60	308.6	Cam
25 Nov 2018	04h36m29.22s	+62 00' 46.3"	1.2403	0.3155	10.1	138.2	32.1	78.96	339.50	23.07	302.3	Cam
26 Nov 2018	04h35m35.76s	+62 05' 40.7"	1.2375	0.3116	10.0	138.4	32.0	78.61	337.16	22.75	295.6	Cam
27 Nov 2018	04h34m38.87s	+62 09' 36.2"	1.2348	0.3078	10.0	138.6	31.9	78.25	334.94	22.65	288.6	Cam
28 Nov 2018	04h33m38.78s	+62 12' 30.6"	1.2321	0.3041	10.0	138.9	31.8	77.88	332.81	22.82	281.4	Cam
29 Nov 2018	04h32m29.73s	+62 14' 21.4"	1.2294	0.3005	9.9	139.1	31.7	77.49	330.78	23.24	274.2	Cam
30 Nov 2018	04h31m30.08s	+62 15' 06.5"	1.2267	0.2969	9.9	139.3	31.6	77.09	328.83	23.93	267.2	Cam
1 Dez 2018	04h30m22.10s	+62 14' 43.6"	1.2241	0.2934	9.9	139.5	31.6	76.68	326.97	24.89	260.4	Cam
2 Dez 2018	04h29m12.18s	+62 13' 10.5"	1.2215	0.2899	9.8	139.7	31.5	76.25	325.18	26.09	253.9	Cam
3 Dez 2018	04h28m00.73s	+62 10' 25.1"	1.2189	0.2865	9.8	139.8	31.5	75.82	323.46	27.53	247.8	Cam
4 Dez 2018	04h26m48.18s	+62 06' 25.4"	1.2163	0.2832	9.8	140.0	31.4	75.38	321.80	29.18	242.1	Cam
5 Dez 2018	04h25m34.99s	+62 01' 09.6"	1.2138	0.2799	9.7	140.1	31.4	74.92	320.20	31.02	236.8	Cam
6 Dez 2018	04h24m21.64s	+61 54' 35.9"	1.2113	0.2767	9.7	140.3	31.3	74.46	318.66	33.04	231.9	Cam
7 Dez 2018	04h23m08.61s	+61 46' 42.8"	1.2089	0.2736	9.7	140.4	31.3	73.99	317.16	35.21	227.4	Cam
8 Dez 2018	04h21m56.40s	+61 37' 29.0"	1.2064	0.2706	9.6	140.6	31.3	73.51	315.71	37.51	223.3	Cam
9 Dez 2018	04h20m45.51s	+61 26' 53.3"	1.2040	0.2676	9.6	140.7	31.2	73.02	314.30	39.94	219.4	Cam
10 Dez 2018	04h19m36.43s	+61 14' 54.6"	1.2016	0.2646	9.6	140.8	31.2	72.53	312.92	42.47	215.8	Cam
11 Dez 2018	04h18m29.63s	+61 01' 32.0"	1.1993	0.2618	9.6	140.9	31.2	72.02	311.59	45.11	212.4	Cam
12 Dez 2018	04h17m25.57s	+60 46' 45.0"	1.1970	0.2590	9.5	141.0	31.2	71.50	310.28	47.84	209.3	Cam
13 Dez 2018	04h16m24.68s	+60 30' 32.9"	1.1947	0.2563	9.5	141.0	31.2	70.98	309.01	50.65	206.4	Cam
14 Dez 2018	04h15m27.39s	+60 12' 55.3"	1.1924	0.2536	9.5	141.1	31.2	70.45	307.76	53.53	203.6	Cam
15 Dez 2018	04h14m34.08s	+59 53' 52.2"	1.1902	0.2510	9.4	141.1	31.3	69.91	306.54	56.48	201.0	Cam
16 Dez 2018	04h13m45.10s	+59 33' 23.4"	1.1880	0.2485	9.4	141.2	31.3	69.36	305.35	59.49	198.6	Cam
17 Dez 2018	04h13m00.77s	+59 11' 29.0"	1.1859	0.2460	9.4	141.2	31.3	68.80	304.18	62.55	196.3	Cam
18 Dez 2018	04h12m21.37s	+58 48' 09.3"	1.1838	0.2436	9.4	141.2	31.4	68.23	303.03	65.67	194.1	Cam
19 Dez 2018	04h11m47.15s	+58 23' 24.5"	1.1817	0.2413	9.4	141.2	31.5	67.65	301.90	68.82	192.1	Cam
20 Dez 2018	04h11m18.32s	+57 57' 15.3"	1.1797	0.2391	9.3	141.2	31.5	67.06	300.78	72.01	190.1	Cam
21 Dez 2018	04h10m55.04s	+57 29' 42.0"	1.1777	0.2369	9.3	141.1	31.6	66.46	299.69	75.24	188.3	Cam
22 Dez 2018	04h10m37.44s	+57 00' 45.4"	1.1757	0.2348	9.3	141.1	31.7	65.85	298.62	78.50	186.5	Cam
23 Dez 2018	04h10m25.62s	+56 30' 26.2"	1.1738	0.2328	9.3	141.0	31.8	65.22	297.56	81.78	184.9	Cam
24 Dez 2018	04h10m19.66s	+55 58' 45.1"	1.1719	0.2308	9.2	141.0	31.9	64.59	296.52	85.08	183.3	Cam
25 Dez 2018	04h10m19.59s	+55 25' 43.1"	1.1701	0.2289	9.2	140.9	32.0	63.95	295.50	88.40	181.8	Cam
26 Dez 2018	04h10m25.45s	+54 51' 21.2"	1.1682	0.2271	9.2	140.7	32.2	63.29	294.49	91.72	180.3	Cam
27 Dez 2018	04h10m37.26s	+54 15' 40.3"	1.1665	0.2254	9.2	140.6	32.3	62.62	293.49	95.05	179.0	Cam
28 Dez 2018	04h10m55.02s	+53 38' 41.8"	1.1648	0.2237	9.2	140.5	32.5	61.95	292.51	98.36	177.6	Cam
29 Dez 2018	04h11m18.73s	+53 00' 27.3"	1.1631	0.2222	9.2	140.3	32.7	61.25	291.55	101.66	176.3	Cam
30 Dez 2018	04h11m48.37s	+52 20' 58.3"	1.1614	0.2207	9.2	140.2	32.9	60.55	290.60	104.93	175.1	Per
31 Dez 2018	04h12m23.91s	+51 40' 16.9"	1.1598	0.2193	9.1	140.0	33.1	59.84	289.66	108.16	173.9	Per
1 Jan 2019	04h13m05.30s	+50 58' 25.2"	1.1583	0.2179	9.1	139.8	33.3	59.11	288.74	111.35	172.7	Per
2 Jan 2019	04h13m52.49s	+50 15' 25.4"	1.1568	0.2167	9.1	139.5	33.5	58.37	287.84	114.47	171.6	Per
3 Jan 2019	04h14m45.41s	+49 31' 20.3"	1.1553	0.2155	9.1	139.3	33.7	57.62	286.95	117.53	170.5	Per
4 Jan 2019	04h15m43.95s	+48 46' 12.4"	1.1539	0.2145	9.1	139.0	34.0	56.86	286.07	120.52	169.4	Per
5 Jan 2019	04h16m48.02s	+48 00' 04.9"	1.1525	0.2135	9.1	138.8	34.2	56.09	285.21	123.42	168.4	Per
6 Jan 2019	04h17m57.50s	+47 13' 00.8"	1.1512	0.2126	9.1	138.5	34.5	55.31	284.37	126.22	167.4	Per
7 Jan 2019	04h19m12.27s	+46 25' 03.4"	1.1499	0.2118	9.1	138.2	34.8	54.51	283.54	128.93	166.4	Per
8 Jan 2019	04h20m32.17s	+45 36' 16.1"	1.1486	0.2110	9.1	137.9	35.1	53.71	282.73	131.53	165.4	Per
9 Jan 2019	04h21m57.05s	+44 46' 42.3"	1.1474	0.2104	9.1	137.5	35.4	52.90	281.93	134.01	164.5	Per
10 Jan 2019	04h23m26.77s	+43 56' 25.9"	1.1463	0.2099	9.1	137.2	35.7	52.08	281.16	136.37	163.6	Per
11 Jan 2019	04h25m01.14s	+43 05' 30.4"	1.1452	0.2094	9.1	136.8	36.0	51.26	280.39	138.61	162.7	Per
12 Jan 2019	04h26m40.00s	+42 13' 59.6"	1.1441	0.2091	9.1	136.4	36.3	50.42	279.65	140.71	161.8	Per
13 Jan 2019	04h28m23.17s	+41 21' 57.5"	1.1431	0.2088	9.1	136.0	36.7	49.58	278.92	142.68	160.9	Per
14 Jan 2019	04h30m10.46s	+40 29' 28.0"	1.1421	0.2087	9.1	135.6	37.0	48.74	278.20	144.51	160.0	Per
15 Jan 2019	04h32m01.70s	+39 36' 34.8"	1.1412	0.2086	9.1	135.2	37.4	47.89	277.51	146.20	159.2	Per
16 Jan 2019	04h33m56.68s	+38 43' 22.0"	1.1404	0.2086	9.1	134.8	37.7	47.03	276.83	147.74	158.4	Per
17 Jan 2019	04h35m55.23s	+37 49' 53.5"	1.1395	0.2087	9.1	134.4	38.1	46.17	276.17	149.13	157.6	Per
18 Jan 2019	04h37m57.16s	+36 56' 13.1"	1.1388	0.2090	9.1	133.9	38.5	45.31	275.52	150.38	156.8	Per
19 Jan 2019	04h40m02.27s	+36 02' 24.6"	1.1381	0.2093	9.1	133.5	38.8	44.44	274.90	151.48	156.0	Aur
20 Jan 2019	04h42m10.38s	+35 08' 31.8"	1.1374	0.2097	9.1	133.0	39.2	43.57	274.29	152.44	155.2	Aur
21 Jan 2019	04h44m21.31s	+34 14' 38.4"	1.1368	0.2101	9.2	132.6	39.6	42.71	273.70	153.24	154.4	Aur
22 Jan 2019	04h46m34.88s	+33 20' 48.0"	1.1362	0.2107	9.2	132.1	40.0	41.84	273.12	153.91	153.7	Aur
23 Jan 2019	04h48m50.94s	+32 27' 04.2"	1.1357	0.2114	9.2	131.6	40.4	40.97	272.56	154.44	152.9	Aur
24 Jan 2019	04h51m09.33s	+31 33' 30.5"	1.1352	0.2122	9.2	131.2	40.8	40.10	272.02	154.83	152.2	Aur
25 Jan 2019	04h53m29.93s	+30 40' 10.2"	1.1348	0.2131	9.2	130.7	41.1	39.24	271.50	155.08	151.4	Aur
26 Jan 2019	04h55m52.62s	+29 47' 06.8"	1.1345	0.2140	9.2	130.2	41.5	38.37	271.00	155.22	150.7	Aur

Ephemeride des Kleinplaneten (433) Eros

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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27 Jan 2019	04h58m17.29s	+28 54' 23.7"	1.1341	0.2151	9.3	129.7	41.9	37.51	270.51	155.22	149.9	Aur
28 Jan 2019	05h00m43.84s	+28 02' 03.9"	1.1339	0.2162	9.3	129.2	42.3	36.66	270.04	155.12	149.2	Tau
29 Jan 2019	05h03m12.19s	+27 10' 10.6"	1.1337	0.2175	9.3	128.7	42.7	35.81	269.58	154.90	148.4	Tau
30 Jan 2019	05h05m42.24s	+26 18' 46.8"	1.1335	0.2188	9.3	128.2	43.1	34.97	269.14	154.58	147.6	Tau
31 Jan 2019	05h08m13.92s	+25 27' 55.1"	1.1334	0.2202	9.3	127.7	43.4	34.13	268.72	154.16	146.8	Tau
1 Feb 2019	05h10m47.13s	+24 37' 38.3"	1.1333	0.2217	9.4	127.2	43.8	33.30	268.31	153.65	146.1	Tau
2 Feb 2019	05h13m21.82s	+23 47' 58.6"	1.1333	0.2234	9.4	126.8	44.2	32.48	267.92	153.06	145.3	Tau
3 Feb 2019	05h15m57.89s	+22 58' 58.4"	1.1334	0.2250	9.4	126.3	44.5	31.66	267.54	152.40	144.5	Tau
4 Feb 2019	05h18m35.28s	+22 10' 39.6"	1.1335	0.2268	9.4	125.8	44.9	30.86	267.18	151.66	143.6	Tau
5 Feb 2019	05h21m13.91s	+21 23' 04.1"	1.1336	0.2287	9.5	125.3	45.2	30.06	266.83	150.87	142.8	Tau
6 Feb 2019	05h23m53.72s	+20 36' 13.4"	1.1338	0.2306	9.5	124.9	45.5	29.28	266.49	150.02	142.0	Tau
7 Feb 2019	05h26m34.63s	+19 50' 09.0"	1.1341	0.2327	9.5	124.4	45.8	28.50	266.17	149.12	141.2	Tau
8 Feb 2019	05h29m16.57s	+19 04' 52.0"	1.1344	0.2348	9.5	124.0	46.2	27.74	265.87	148.19	140.3	Tau
9 Feb 2019	05h31m59.49s	+18 20' 23.5"	1.1347	0.2370	9.6	123.5	46.5	26.98	265.58	147.21	139.5	Tau
10 Feb 2019	05h34m43.31s	+17 36' 44.4"	1.1351	0.2393	9.6	123.1	46.8	26.24	265.30	146.21	138.7	Tau
11 Feb 2019	05h37m27.97s	+16 53' 55.2"	1.1356	0.2416	9.6	122.6	47.0	25.51	265.03	145.19	137.8	Tau
12 Feb 2019	05h40m13.40s	+16 11' 56.6"	1.1361	0.2441	9.7	122.2	47.3	24.79	264.78	144.15	137.0	Tau
13 Feb 2019	05h42m59.54s	+15 30' 48.7"	1.1367	0.2466	9.7	121.8	47.6	24.08	264.53	143.09	136.2	Ori
14 Feb 2019	05h45m46.33s	+14 50' 31.8"	1.1373	0.2491	9.7	121.4	47.8	23.38	264.30	142.02	135.3	Tau
15 Feb 2019	05h48m33.70s	+14 11' 06.1"	1.1379	0.2518	9.7	121.0	48.1	22.69	264.09	140.94	134.5	Tau
16 Feb 2019	05h51m21.59s	+13 32' 31.3"	1.1386	0.2545	9.8	120.6	48.3	22.02	263.88	139.85	133.7	Tau
17 Feb 2019	05h54m09.94s	+12 54' 47.4"	1.1394	0.2573	9.8	120.2	48.5	21.35	263.69	138.76	132.9	Ori
18 Feb 2019	05h56m58.69s	+12 17' 54.1"	1.1402	0.2601	9.8	119.8	48.7	20.70	263.50	137.67	132.1	Ori
19 Feb 2019	05h59m47.78s	+11 41' 51.2"	1.1410	0.2630	9.9	119.5	48.9	20.06	263.33	136.59	131.3	Ori
20 Feb 2019	06h02m37.17s	+11 06' 38.3"	1.1419	0.2660	9.9	119.1	49.1	19.42	263.17	135.50	130.5	Ori
21 Feb 2019	06h05m26.83s	+10 32' 14.9"	1.1429	0.2690	9.9	118.8	49.3	18.80	263.02	134.43	129.7	Ori
22 Feb 2019	06h08m16.70s	+09 58' 40.6"	1.1439	0.2722	10.0	118.4	49.5	18.19	262.87	133.38	128.9	Ori
23 Feb 2019	06h11m06.78s	+09 25' 54.9"	1.1449	0.2753	10.0	118.1	49.7	17.60	262.74	132.34	128.1	Ori
24 Feb 2019	06h13m57.05s	+08 53' 57.3"	1.1460	0.2786	10.0	117.7	49.8	17.01	262.62	131.33	127.3	Ori
25 Feb 2019	06h16m47.50s	+08 22' 47.2"	1.1472	0.2819	10.1	117.4	50.0	16.43	262.51	130.35	126.5	Ori
26 Feb 2019	06h19m38.12s	+07 52' 23.8"	1.1483	0.2852	10.1	117.1	50.1	15.86	262.41	129.39	125.8	Ori
27 Feb 2019	06h22m28.91s	+07 22' 46.5"	1.1496	0.2886	10.1	116.8	50.3	15.30	262.31	128.47	125.0	Mon
28 Feb 2019	06h25m19.86s	+06 53' 54.5"	1.1509	0.2921	10.1	116.5	50.4	14.75	262.23	127.58	124.2	Mon
1 Mar 2019	06h28m10.98s	+06 25' 46.9"	1.1522	0.2956	10.2	116.2	50.5	14.22	262.15	126.73	123.5	Mon