

# Kometa Garradd (C/2009 P1)

## Dokładne efemerydy dla Rozdrażewa i najbliższych okolic

Data [UTC]			rekt. (2000)	dekl. (2000)	r	delta	mag	elong.
d	m	rok			AU	AU		st.
20	Gru	2011	17h30m22.31s	+23 45' 58.3"	1.5514	2.0378	7.5	47.4
21	Gru	2011	17h30m22.52s	+23 59' 04.0"	1.5510	2.0308	7.4	47.8
22	Gru	2011	17h30m22.59s	+24 12' 32.5"	1.5507	2.0235	7.4	48.1
23	Gru	2011	17h30m22.47s	+24 26' 24.1"	1.5506	2.0159	7.4	48.5
24	Gru	2011	17h30m22.14s	+24 40' 39.6"	1.5506	2.0080	7.4	48.9
25	Gru	2011	17h30m21.55s	+24 55' 19.4"	1.5507	1.9999	7.4	49.4
26	Gru	2011	17h30m20.66s	+25 10' 24.1"	1.5509	1.9915	7.4	49.8
27	Gru	2011	17h30m19.44s	+25 25' 54.4"	1.5512	1.9828	7.4	50.3
28	Gru	2011	17h30m17.84s	+25 41' 50.7"	1.5517	1.9739	7.4	50.8
29	Gru	2011	17h30m15.82s	+25 58' 13.7"	1.5523	1.9647	7.4	51.3
30	Gru	2011	17h30m13.35s	+26 15' 04.0"	1.5530	1.9553	7.4	51.8
31	Gru	2011	17h30m10.37s	+26 32' 22.3"	1.5538	1.9456	7.4	52.3
1	Sty	2012	17h30m06.84s	+26 50' 09.2"	1.5548	1.9357	7.4	52.9
2	Sty	2012	17h30m02.73s	+27 08' 25.5"	1.5559	1.9255	7.3	53.5
3	Sty	2012	17h29m57.97s	+27 27' 11.8"	1.5571	1.9151	7.3	54.1
4	Sty	2012	17h29m52.52s	+27 46' 28.9"	1.5584	1.9045	7.3	54.7
5	Sty	2012	17h29m46.33s	+28 06' 17.6"	1.5598	1.8936	7.3	55.3
6	Sty	2012	17h29m39.35s	+28 26' 38.5"	1.5614	1.8826	7.3	56.0
7	Sty	2012	17h29m31.52s	+28 47' 32.7"	1.5631	1.8713	7.3	56.6
8	Sty	2012	17h29m22.78s	+29 09' 00.8"	1.5649	1.8598	7.3	57.3
9	Sty	2012	17h29m13.08s	+29 31' 03.8"	1.5668	1.8482	7.3	58.0
10	Sty	2012	17h29m02.34s	+29 53' 42.6"	1.5689	1.8363	7.3	58.7
11	Sty	2012	17h28m50.51s	+30 16' 58.0"	1.5710	1.8243	7.3	59.4
12	Sty	2012	17h28m37.50s	+30 40' 51.2"	1.5733	1.8121	7.3	60.1
13	Sty	2012	17h28m23.24s	+31 05' 22.9"	1.5757	1.7998	7.3	60.9
14	Sty	2012	17h28m07.65s	+31 30' 34.4"	1.5782	1.7873	7.2	61.6
15	Sty	2012	17h27m50.65s	+31 56' 26.5"	1.5808	1.7747	7.2	62.4
16	Sty	2012	17h27m32.13s	+32 23' 00.4"	1.5836	1.7619	7.2	63.2
17	Sty	2012	17h27m12.00s	+32 50' 17.2"	1.5864	1.7490	7.2	64.0
18	Sty	2012	17h26m50.15s	+33 18' 17.9"	1.5894	1.7360	7.2	64.8
19	Sty	2012	17h26m26.46s	+33 47' 03.6"	1.5924	1.7228	7.2	65.6
20	Sty	2012	17h26m00.81s	+34 16' 35.5"	1.5956	1.7096	7.2	66.4
21	Sty	2012	17h25m33.06s	+34 46' 54.6"	1.5989	1.6963	7.2	67.3
22	Sty	2012	17h25m03.08s	+35 18' 02.1"	1.6023	1.6829	7.2	68.1
23	Sty	2012	17h24m30.70s	+35 49' 59.0"	1.6058	1.6695	7.2	69.0
24	Sty	2012	17h23m55.76s	+36 22' 46.3"	1.6095	1.6560	7.2	69.9
25	Sty	2012	17h23m18.10s	+36 56' 25.1"	1.6132	1.6424	7.2	70.8
26	Sty	2012	17h22m37.52s	+37 30' 56.5"	1.6170	1.6289	7.1	71.7
27	Sty	2012	17h21m53.82s	+38 06' 21.4"	1.6209	1.6153	7.1	72.6

Na podstawie MPC oprac. dr I. Włodarczyk, RO PTMA, Rozdrażew