

# Ephemeris of comet C/2013 X1 (PANSTARRS)

Date & Time UT	DEC	RA	Elong	D	R	MAG
2015 Sep 27 00:00	+40°29'	05h34m	99.5	2.749	3.072	12.6
2015 Sep 28 00:00	+40°37'	05h33m	100.6	2.72	3.061	12.6
2015 Sep 29 00:00	+40°46'	05h32m	101.7	2.691	3.051	12.6
2015 Sep 30 00:00	+40°54'	05h31m	102.8	2.663	3.04	12.5
2015 Oct 01 00:00	+41°03'	05h30m	103.9	2.634	3.029	12.5
2015 Oct 02 00:00	+41°12'	05h28m	105	2.606	3.019	12.5
2015 Oct 03 00:00	+41°21'	05h27m	106.2	2.578	3.008	12.4
2015 Oct 04 00:00	+41°30'	05h26m	107.3	2.55	2.998	12.4
2015 Oct 05 00:00	+41°39'	05h25m	108.4	2.522	2.987	12.4
2015 Oct 06 00:00	+41°48'	05h23m	109.6	2.494	2.977	12.4
2015 Oct 07 00:00	+41°57'	05h22m	110.7	2.466	2.966	12.3
2015 Oct 08 00:00	+42°06'	05h20m	111.9	2.439	2.956	12.3
2015 Oct 09 00:00	+42°16'	05h18m	113.1	2.411	2.945	12.3
2015 Oct 10 00:00	+42°25'	05h17m	114.2	2.384	2.934	12.2
2015 Oct 11 00:00	+42°34'	05h15m	115.4	2.357	2.924	12.2
2015 Oct 12 00:00	+42°44'	05h13m	116.6	2.33	2.913	12.2
2015 Oct 13 00:00	+42°53'	05h11m	117.8	2.303	2.903	12.1
2015 Oct 14 00:00	+43°02'	05h09m	119	2.277	2.892	12.1
2015 Oct 15 00:00	+43°12'	05h07m	120.2	2.251	2.881	12.1
2015 Oct 16 00:00	+43°21'	05h04m	121.4	2.225	2.871	12.0
2015 Oct 17 00:00	+43°30'	05h02m	122.7	2.199	2.86	12.0
2015 Oct 18 00:00	+43°39'	04h59m	123.9	2.174	2.85	12.0
2015 Oct 19 00:00	+43°48'	04h57m	125.1	2.149	2.839	11.9
2015 Oct 20 00:00	+43°57'	04h54m	126.4	2.124	2.828	11.9
2015 Oct 21 00:00	+44°05'	04h51m	127.6	2.099	2.818	11.9
2015 Oct 22 00:00	+44°14'	04h48m	128.9	2.075	2.807	11.8
2015 Oct 23 00:00	+44°22'	04h45m	130.1	2.051	2.796	11.8
2015 Oct 24 00:00	+44°29'	04h42m	131.4	2.028	2.786	11.8
2015 Oct 25 00:00	+44°37'	04h39m	132.6	2.005	2.775	11.7
2015 Oct 26 00:00	+44°44'	04h36m	133.8	1.982	2.765	11.7
2015 Oct 27 00:00	+44°51'	04h32m	135.1	1.959	2.754	11.7
2015 Oct 28 00:00	+44°57'	04h29m	136.3	1.938	2.743	11.6
2015 Oct 29 00:00	+45°03'	04h25m	137.5	1.916	2.733	11.6
2015 Oct 30 00:00	+45°08'	04h21m	138.7	1.895	2.722	11.6

2015 Oct 31 00:00	+45°12'	04h17m	139.9	1.874	2.711	11.5
2015 Nov 01 00:00	+45°16'	04h13m	141.1	1.854	2.701	11.5
2015 Nov 02 00:00	+45°19'	04h09m	142.3	1.835	2.69	11.5
2015 Nov 03 00:00	+45°22'	04h04m	143.4	1.815	2.68	11.4
2015 Nov 04 00:00	+45°23'	04h00m	144.5	1.797	2.669	11.4
2015 Nov 05 00:00	+45°24'	03h56m	145.5	1.779	2.658	11.4
2015 Nov 06 00:00	+45°24'	03h51m	146.5	1.761	2.648	11.3
2015 Nov 07 00:00	+45°23'	03h46m	147.5	1.744	2.637	11.3
2015 Nov 08 00:00	+45°20'	03h41m	148.4	1.728	2.626	11.3
2015 Nov 09 00:00	+45°17'	03h36m	149.2	1.712	2.616	11.3
2015 Nov 10 00:00	+45°13'	03h31m	149.9	1.697	2.605	11.2
2015 Nov 11 00:00	+45°07'	03h26m	150.5	1.683	2.594	11.2
2015 Nov 12 00:00	+45°00'	03h21m	151.1	1.669	2.584	11.2
2015 Nov 13 00:00	+44°52'	03h16m	151.5	1.655	2.573	11.1
2015 Nov 14 00:00	+44°42'	03h10m	151.9	1.643	2.563	11.1
2015 Nov 15 00:00	+44°32'	03h05m	152.1	1.631	2.552	11.1
2015 Nov 16 00:00	+44°19'	02h60m	152.1	1.62	2.541	11.1
2015 Nov 17 00:00	+44°06'	02h54m	152.1	1.609	2.531	11.0
2015 Nov 18 00:00	+43°51'	02h49m	151.9	1.6	2.52	11.0
2015 Nov 19 00:00	+43°35'	02h43m	151.6	1.591	2.509	11.0
2015 Nov 20 00:00	+43°17'	02h38m	151.1	1.582	2.499	11.0
2015 Nov 21 00:00	+42°58'	02h33m	150.5	1.575	2.488	11.0
2015 Nov 22 00:00	+42°38'	02h27m	149.8	1.568	2.478	10.9
2015 Nov 23 00:00	+42°16'	02h22m	149	1.562	2.467	10.9
2015 Nov 24 00:00	+41°53'	02h17m	148.1	1.556	2.456	10.9
2015 Nov 25 00:00	+41°29'	02h11m	147.1	1.551	2.446	10.9
2015 Nov 26 00:00	+41°04'	02h06m	146	1.547	2.435	10.9
2015 Nov 27 00:00	+40°37'	02h01m	144.8	1.544	2.424	10.9
2015 Nov 28 00:00	+40°09'	01h56m	143.5	1.542	2.414	10.9
2015 Nov 29 00:00	+39°41'	01h51m	142.2	1.54	2.403	10.8
2015 Nov 30 00:00	+39°11'	01h46m	140.8	1.539	2.393	10.8
2015 Dec 01 00:00	+38°41'	01h41m	139.4	1.539	2.382	10.8
2015 Dec 02 00:00	+38°09'	01h37m	138	1.539	2.372	10.8
2015 Dec 03 00:00	+37°38'	01h32m	136.5	1.54	2.361	10.8
2015 Dec 04 00:00	+37°05'	01h28m	134.9	1.542	2.35	10.8
2015 Dec 05 00:00	+36°32'	01h23m	133.4	1.544	2.34	10.8
2015 Dec 06 00:00	+35°58'	01h19m	131.8	1.547	2.329	10.8
2015 Dec 07 00:00	+35°24'	01h15m	130.2	1.551	2.319	10.8

2015 Dec 08 00:00	+34°50'	01h11m	128.6	1.555	2.308	10.8
2015 Dec 09 00:00	+34°15'	01h07m	127	1.56	2.298	10.8
2015 Dec 10 00:00	+33°40'	01h03m	125.3	1.565	2.287	10.8
2015 Dec 11 00:00	+33°05'	00h60m	123.7	1.571	2.277	10.8
2015 Dec 12 00:00	+32°30'	00h56m	122.1	1.578	2.266	10.8
2015 Dec 13 00:00	+31°55'	00h53m	120.4	1.585	2.256	10.8
2015 Dec 14 00:00	+31°20'	00h49m	118.8	1.593	2.245	10.8
2015 Dec 15 00:00	+30°45'	00h46m	117.2	1.601	2.235	10.8
2015 Dec 16 00:00	+30°11'	00h43m	115.5	1.609	2.224	10.8
2015 Dec 17 00:00	+29°36'	00h40m	113.9	1.618	2.214	10.8
2015 Dec 18 00:00	+29°02'	00h37m	112.3	1.628	2.203	10.8
2015 Dec 19 00:00	+28°28'	00h34m	110.7	1.638	2.193	10.8
2015 Dec 20 00:00	+27°55'	00h32m	109.1	1.648	2.183	10.8
2015 Dec 21 00:00	+27°22'	00h29m	107.5	1.659	2.172	10.8
2015 Dec 22 00:00	+26°49'	00h26m	105.9	1.67	2.162	10.8
2015 Dec 23 00:00	+26°17'	00h24m	104.4	1.681	2.151	10.8
2015 Dec 24 00:00	+25°45'	00h22m	102.8	1.692	2.141	10.8
2015 Dec 25 00:00	+25°14'	00h19m	101.3	1.704	2.131	10.8
2015 Dec 26 00:00	+24°43'	00h17m	99.7	1.716	2.12	10.8
2015 Dec 27 00:00	+24°12'	00h15m	98.2	1.729	2.11	10.8
2015 Dec 28 00:00	+23°43'	00h13m	96.7	1.741	2.1	10.8
2015 Dec 29 00:00	+23°13'	00h11m	95.2	1.754	2.089	10.8
2015 Dec 30 00:00	+22°45'	00h10m	93.7	1.767	2.079	10.8
2015 Dec 31 00:00	+22°17'	00h08m	92.3	1.78	2.069	10.8