



Astronomical Data

Las Vegas, NV

HWY18FH001

(15 pages)

Sun and Moon Data for One Day

U.S. Naval Observatory Astronomical Applications Department

Las Vegas, Clark County, NV (Longitude W115° 10', Latitude N36° 10')

Wednesday, November 8, 2017

Pacific Standard Time

Sun	
Begin civil twilight	5:44 a.m.
Sunrise	6:11 a.m.
Sun transit	11:24 a.m.
Sunset	4:38 p.m.
End civil twilight	5:05 p.m.
Moon	
Moonrise	8:16 p.m. on preceding day
Moon transit	3:34 a.m.
Moonset	10:50 a.m.
Moonrise	9:18 p.m.

Closest Primary Moon Phase: Last Quarter on November 10, 2017 at 12:36 p.m. (local standard time)

Phase of the Moon on November 8, 2017: Waning Gibbous with 72% of the Moon's visible disk illuminated.



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Astronomical Applications Dept.
U.S. Naval Observatory
Washington, DC 20392-5420

LAS VEGAS CRASH

0 0
W115 08, N36 10

Altitude and Azimuth of the Sun
Nov 8, 2017

Zone: 8h West of Greenwich

	Altitude	Azimuth
		(E of N)
h m	o	o
05:13	-12.0	102.1
05:14	-11.8	102.2
05:15	-11.6	102.3
05:16	-11.4	102.5
05:17	-11.2	102.6
05:18	-11.0	102.8
05:19	-10.8	102.9
05:20	-10.6	103.0
05:21	-10.4	103.2
05:22	-10.2	103.3
05:23	-10.0	103.5
05:24	-9.8	103.6
05:25	-9.6	103.7
05:26	-9.4	103.9
05:27	-9.2	104.0
05:28	-9.1	104.1
05:29	-8.9	104.3
05:30	-8.7	104.4
05:31	-8.5	104.6
05:32	-8.3	104.7
05:33	-8.1	104.8
05:34	-7.9	105.0
05:35	-7.7	105.1
05:36	-7.5	105.3
05:37	-7.3	105.4
05:38	-7.1	105.6
05:39	-6.9	105.7
05:40	-6.7	105.8
05:41	-6.5	106.0
05:42	-6.3	106.1
05:43	-6.1	106.3
05:44	-5.9	106.4
05:45	-5.7	106.5
05:46	-5.6	106.7
05:47	-5.4	106.8
05:48	-5.2	107.0
05:49	-5.0	107.1
05:50	-4.8	107.3
05:51	-4.6	107.4
05:52	-4.4	107.5
05:53	-4.2	107.7
05:54	-4.0	107.8
05:55	-3.8	108.0
05:56	-3.6	108.1
05:57	-3.4	108.3

05:58	-3.2	108.4
05:59	-3.1	108.5
06:00	-2.9	108.7
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06:12	-0.0	110.4
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06:14	0.3	110.7
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06:19	1.1	111.5
06:20	1.3	111.6
06:21	1.5	111.8
06:22	1.6	111.9
06:23	1.8	112.1
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06:25	2.2	112.4
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10:59	36.7	172.4
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11:59	36.4	190.3
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12:58	32.6	206.8
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14:00	25.5	221.8
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14:23	22.3	226.6
14:24	22.1	226.8
14:25	22.0	227.0
14:26	21.8	227.3
14:27	21.7	227.5
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14:29	21.4	227.9
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14:33	20.8	228.7
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14:35	20.5	229.0
14:36	20.3	229.2
14:37	20.2	229.4

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14:57	17.0	233.2
14:58	16.9	233.4
14:59	16.7	233.6
15:00	16.6	233.8
15:01	16.4	234.0
15:02	16.2	234.2
15:03	16.1	234.3
15:04	15.9	234.5
15:05	15.7	234.7
15:06	15.6	234.9
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15:18	13.6	237.0
15:19	13.4	237.2
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15:24	12.6	238.0
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15:32	11.2	239.4
15:33	11.0	239.6
15:34	10.8	239.7
15:35	10.7	239.9
15:36	10.5	240.0
15:37	10.3	240.2
15:38	10.2	240.4
15:39	10.0	240.5
15:40	9.8	240.7
15:41	9.6	240.9
15:42	9.5	241.0

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15:52	7.7	242.7
15:53	7.5	242.8
15:54	7.3	243.0
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16:59	-4.9	252.7
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17:16	-8.2	255.1
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17:27	-10.4	256.6
17:28	-10.6	256.8
17:29	-10.8	256.9
17:30	-11.0	257.0
17:31	-11.2	257.2
17:32	-11.4	257.3
17:33	-11.6	257.5
17:34	-11.8	257.6
17:35	-12.0	257.7

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