

Fraction of the Moon Illuminated, 2015

Astron. Applications Dept.

at Midnight

U. S. Naval Observatory

Central Standard Time

Washington, DC 20392-5420

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
01	0.84	0.93	0.83	0.91	0.92	0.98	0.99	0.99	0.91	0.86	0.73	0.70
02	0.91	0.97	0.89	0.95	0.97	1.00	1.00	0.95	0.83	0.77	0.63	0.60
03	0.96	0.99	0.94	0.99	0.99	0.99	0.98	0.89	0.73	0.67	0.53	0.51
04	0.99	1.00	0.98	1.00	1.00	0.97	0.94	0.81	0.63	0.57	0.43	0.41
05	1.00	0.98	1.00	0.99	0.99	0.92	0.87	0.70	0.52	0.46	0.34	0.32
06	0.99	0.95	1.00	0.97	0.95	0.85	0.78	0.60	0.41	0.36	0.25	0.24
07	0.96	0.91	0.98	0.93	0.90	0.76	0.68	0.48	0.31	0.27	0.17	0.16
08	0.91	0.85	0.95	0.87	0.83	0.66	0.57	0.37	0.22	0.19	0.11	0.10
09	0.85	0.77	0.89	0.79	0.74	0.55	0.46	0.27	0.15	0.12	0.06	0.05
10	0.78	0.69	0.83	0.70	0.63	0.43	0.35	0.18	0.08	0.07	0.02	0.02
11	0.70	0.59	0.75	0.60	0.52	0.32	0.24	0.11	0.04	0.03	0.00	0.00
12	0.61	0.49	0.65	0.49	0.41	0.22	0.16	0.06	0.01	0.01	0.00	0.01
13	0.52	0.39	0.55	0.38	0.30	0.13	0.09	0.02	0.00	0.00	0.02	0.04
14	0.42	0.29	0.45	0.27	0.20	0.07	0.04	0.00	0.01	0.01	0.06	0.09
15	0.32	0.19	0.34	0.17	0.11	0.02	0.01	0.00	0.03	0.05	0.12	0.16
16	0.23	0.11	0.24	0.09	0.05	0.00	0.00	0.02	0.08	0.10	0.20	0.25
17	0.14	0.05	0.14	0.03	0.01	0.01	0.02	0.06	0.14	0.16	0.29	0.35
18	0.08	0.01	0.07	0.00	0.00	0.03	0.05	0.12	0.21	0.24	0.39	0.46

19	0.03	0.00	0.02	0.00	0.02	0.08	0.10	0.18	0.29	0.33	0.50	0.57
20	0.00	0.02	0.00	0.03	0.06	0.14	0.16	0.26	0.39	0.44	0.61	0.68
21	0.01	0.08	0.01	0.08	0.11	0.21	0.24	0.35	0.49	0.54	0.72	0.78
22	0.04	0.15	0.05	0.15	0.19	0.30	0.32	0.45	0.59	0.65	0.82	0.87
23	0.11	0.24	0.11	0.24	0.27	0.39	0.41	0.55	0.70	0.76	0.90	0.94
24	0.19	0.35	0.20	0.33	0.36	0.48	0.51	0.65	0.80	0.85	0.96	0.98
25	0.29	0.45	0.29	0.43	0.46	0.58	0.61	0.74	0.88	0.93	0.99	1.00
26	0.40	0.56	0.39	0.53	0.55	0.67	0.70	0.83	0.95	0.98	1.00	0.99
27	0.51	0.66	0.49	0.62	0.64	0.76	0.79	0.91	0.99	1.00	0.98	0.96
28	0.61	0.75	0.59	0.71	0.73	0.84	0.87	0.96	1.00	0.99	0.93	0.91
29	0.71		0.69	0.79	0.81	0.91	0.93	1.00	0.98	0.95	0.87	0.85
30	0.80		0.77	0.86	0.88	0.96	0.98	1.00	0.93	0.89	0.79	0.77
31	0.87		0.85		0.94		1.00	0.97		0.82		0.68

# Sun and Moon Data for One Day

## U.S. Naval Observatory Astronomical Applications Department

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Austin, Travis County, TX (Longitude W97° 44', Latitude N30° 17')

Monday, April 27, 2015

Central Daylight Time

<b>Sun</b>	
Begin civil twilight	6:26 a.m.
Sunrise	6:52 a.m.
Sun transit	1:29 p.m.
Sunset	8:06 p.m.
End civil twilight	8:31 p.m.
<b>Moon</b>	
Moonset	3:06 a.m.
Moonrise	2:41 p.m.
Moon transit	9:14 p.m.
Moonset	3:42 a.m. on following day

Closest Primary Moon Phase: First Quarter on April 25, 2015 at 6:55 p.m. (local daylight time)

Phase of the Moon on April 27, 2015: Waxing Gibbous with 66% of the Moon's visible disk illuminated.