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Charles and Margaret Baker's Home Page is <http://www.teleport.com/~cmbaker/>

Day Length for Various Latitudes

The following tables provide year-round hours of daylight at 5 degree intervals from 60°N to 60°S latitude for every 15 day period.

Shing Lam compiled the C code based on a formula published in:

Meeus, Jean. (1991) *Astronomical algorithms*. Richmond, Va.: Willmann-Bell. ISBN 0943396352

We reorganized the data into these tables.

Choose a Latitude:

Note- Please allow ENTIRE page to load before choosing a latitude.

60°N	55°N	50°N	45°N	40°N
35°N	30°N	25°N	20°N	15°N
10°N	5°N	Equator 0°	5°S	10°S
15°S	20°S	25°S	30°S	35°S
40°S	45°S	50°S	55°S	60°S

Latitude 60°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	18.34	17.65	16.49	15.22	14.04	12.65
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.16	9.78	8.43	7.19	6.12	5.57
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	5.62	6.26	7.38	8.64	10.09	11.48
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.87	14.26	15.69	16.91	17.90	18.44

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Latitude 55°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	17.00	16.50	15.63	14.63	13.68	12.54

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.31	10.18	9.09	8.13	7.33	6.94
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	6.97	7.43	8.27	9.26	10.43	11.57
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.72	13.85	15.00	15.95	16.68	17.07

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Latitude 50°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	16.07	15.68	14.99	14.18	13.39	12.45
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.42	10.48	9.59	8.81	8.19	7.88
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	7.91	8.26	8.93	9.73	10.69	11.64
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.60	13.54	14.48	15.25	15.82	16.12

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Latitude 45°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	15.36	15.05	14.49	13.82	13.17	12.38
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.52	10.73	9.99	9.35	8.84	8.60
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	8.62	8.90	9.44	10.10	10.90	11.70
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.50	13.29	14.07	14.70	15.17	15.40

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Latitude 40°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	14.79	14.54	14.08	13.52	12.98	12.32

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.59	10.93	10.32	9.79	9.37	9.18
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	9.19	9.42	9.87	10.41	11.08	11.75
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.42	13.08	13.73	14.25	14.63	14.83

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Latitude 35°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	14.31	14.11	13.73	13.27	12.82	12.26
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.66	11.11	10.60	10.16	9.82	9.66
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	9.67	9.86	10.23	10.68	11.23	11.79
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.35	12.90	13.44	13.87	14.18	14.34

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Latitude 30°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	13.90	13.73	13.42	13.04	12.67	12.22
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.72	11.27	10.85	10.49	10.21	10.08
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	10.09	10.25	10.54	10.91	11.37	11.83
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.29	12.74	13.19	13.54	13.79	13.92

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Latitude 25°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	13.53	13.39	13.15	12.84	12.54	12.18

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.77	11.41	11.07	10.78	10.56	10.46
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	10.46	10.59	10.83	11.12	11.49	11.86
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.23	12.60	12.96	13.24	13.44	13.55

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Latitude 20°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	13.19	13.09	12.89	12.66	12.42	12.14
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.82	11.54	11.28	11.05	10.88	10.80
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	10.80	10.90	11.08	11.32	11.60	11.89
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.18	12.47	12.75	12.97	13.12	13.20

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Latitude 15°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	12.87	12.80	12.66	12.48	12.31	12.10
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.87	11.66	11.47	11.30	11.18	11.12
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	11.12	11.19	11.33	11.50	11.71	11.92
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.13	12.34	12.55	12.71	12.83	12.88

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Latitude 10°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	12.57	12.52	12.43	12.32	12.21	12.07

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.91	11.78	11.65	11.54	11.46	11.42
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	11.42	11.47	11.56	11.67	11.81	11.95
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.09	12.23	12.36	12.47	12.54	12.58

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Latitude 5°S						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	12.28	12.26	12.21	12.16	12.10	12.03
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	11.96	11.89	11.83	11.77	11.73	11.71
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	11.71	11.74	11.78	11.84	11.90	11.97
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.04	12.11	12.18	12.23	12.27	12.29

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Latitude 0°						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	12.00	12.00	12.00	12.00	12.00	12.00
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.00	12.00	12.00	12.00	12.00	12.00
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	12.00	12.00	12.00	12.00	12.00	12.00
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	12.00	12.00	12.00	12.00	12.00	12.00

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Latitude 5°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	11.72	11.74	11.79	11.84	11.90	11.97

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.04	12.11	12.17	12.23	12.27	12.29
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	12.29	12.26	12.22	12.16	12.10	12.03
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.96	11.89	11.82	11.77	11.73	11.71

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Latitude 10°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	11.43	11.48	11.57	11.68	11.79	11.93
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.09	12.22	12.35	12.46	12.54	12.58
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	12.58	12.53	12.44	12.33	12.19	12.05
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.91	11.77	11.64	11.53	11.46	11.42

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Latitude 15°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	11.13	11.20	11.34	11.52	11.69	11.90
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.13	12.34	12.53	12.70	12.82	12.88
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	12.88	12.81	12.67	12.50	12.29	12.08
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.87	11.66	11.45	11.29	11.17	11.12

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Latitude 20°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	10.81	10.91	11.11	11.34	11.58	11.86

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.18	12.46	12.72	12.95	13.12	13.20
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	13.20	13.10	12.92	12.68	12.40	12.11
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.82	11.53	11.25	11.03	10.88	10.80

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Latitude 25°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	10.47	10.61	10.85	11.16	11.46	11.82
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.23	12.59	12.93	13.22	13.44	13.54
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	13.54	13.41	13.17	12.88	12.51	12.14
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.77	11.40	11.04	10.76	10.56	10.45

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Latitude 30°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	10.10	10.27	10.58	10.96	11.33	11.78
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.28	12.73	13.15	13.51	13.79	13.92
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	13.91	13.75	13.46	13.09	12.63	12.17
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.71	11.26	10.81	10.46	10.21	10.08

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Latitude 35°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	9.69	9.89	10.27	10.73	11.18	11.74

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.34	12.89	13.40	13.84	14.18	14.34
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	14.33	14.14	13.77	13.32	12.77	12.21
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.65	11.10	10.56	10.13	9.82	9.66

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Latitude 40°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	9.21	9.46	9.92	10.48	11.02	11.68
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.41	13.07	13.68	14.21	14.63	14.82
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	14.81	14.58	14.13	13.59	12.92	12.25
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.58	10.92	10.27	9.75	9.37	9.17

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Latitude 45°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	8.64	8.95	9.51	10.18	10.83	11.62
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.48	13.27	14.01	14.65	15.16	15.40
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	15.38	15.10	14.56	13.90	13.10	12.30
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.50	10.71	9.93	9.30	8.83	8.60

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Latitude 50°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	7.93	8.32	9.01	9.82	10.61	11.55

Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.58	13.52	14.41	15.19	15.81	16.12
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	16.09	15.74	15.07	14.27	13.31	12.36
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.40	10.46	9.52	8.75	8.18	7.88

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Latitude 55°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	7.00	7.50	8.37	9.37	10.32	11.46
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.69	13.82	14.91	15.87	16.67	17.06
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	17.03	16.57	15.73	14.74	13.57	12.43
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.28	10.15	9.00	8.05	7.32	6.93

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Latitude 60°N						
Date	Jan 1	Jan 16	Feb 1	Feb 16	Mar 1	Mar 16
Hours light	5.66	6.35	7.51	8.78	9.96	11.35
Date	Apr 1	Apr 16	May 1	May 16	Jun 1	Jun 16
Hours light	12.84	14.22	15.57	16.81	17.88	18.43
Date	Jul 1	Jul 16	Aug 1	Aug 16	Sep 1	Sep 16
Hours light	18.38	17.74	16.62	15.36	13.91	12.52
Date	Oct 1	Oct 16	Nov 1	Nov 16	Dec 1	Dec 16
Hours light	11.13	9.74	8.31	7.09	6.10	5.56

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