

Dark Sky in October 2024

British Summer Time (UTC+1) Greenwich Mean Time (UTC)

<u>The Planets</u>		Duration of Dark Sky			
<p>Mars is in the constellation of Gemini and is well placed in the morning sky. It gets brighter as it moves closer to Earth by the end of the month</p> <p>Jupiter is in Taurus. It is an early morning object but rises before Mars.</p> <p>Saturn is in the constellation of Aquarius and can be seen low in the south.</p> <p>Uranus is in the constellation of Taurus in the east in the morning.</p> <p>Neptune is in Pisces but is too faint to be seen without binoculars. It gets further away from the Earth as the month progresses, but its brightness stays much the same.</p>					
		Date	Time from	Time to	Date
		1	20:39 BST	05:16 BST	2
	New Moon	2	20:39 BST	05:16 BST	3
		3	20:39 BST	05:16 BST	4
		4	20:39 BST	05:16 BST	5
		5	20:39 BST	05:45 BST	6
		6	20:39 BST	05:45 BST	7
		7	20:39 BST	05:45 BST	8
		8	20:10 BST	05:45 BST	9
		9	20:10 BST	05:45 BST	10
	First Quarter Moon	10	20:39 BST	05:45 BST	11
		11	22:34 BST	05:45 BST	12
		12	Moonlight until after midnight		
	Comet Tsuchinshan-ATLAS (C/2023 A3) can be seen low in the west just after sunset from October 13. As the days progress, so the comet moves higher in the sky, sets later, and becomes fainter.	13	00:29 BST	05:45 BST	13
	The Moon and Saturn are very close	14	01:56 BST	05:45 BST	14
		15	03:51 BST	05:45 BST	15
Orionids meteor shower can be seen between October 16 and 27. These very swift Meteors are debris from Comet Halley		16	05:17 BST	05:45 BST	16
	Supermoon; the full Moon is closer than normal	17	Moonlight all night		18
		18	Moonlight all night		19
		19	Moonlight all night		20
Taurids Meteor shower begins on October 20		20	Moonlight all night		21
		21	19:41 BST	20:38 BST	21
Orionids at maximum		22	19:41 BST	21:35 BST	22
Both the Orionids and the Taurids are active during this period	Moon and Mars close to Castor and Pollux in Gemini in the east before sunrise	23	19:41 BST	23:02 BST	23
	Last Quarter Moon	24	19:41 BST	00:28 BST	25
		25	19:41 BST	01:26 BST	26
		26	19:41 BST	02:52 BST	27
The Taurids Meteor shower continues until November 20		27	18:44 GMT	03:52 GMT	28
		28	18:44 GMT	04:19 GMT	29
		29	18:44 GMT	05:16 GMT	30
		30	18:44 GMT	05:16 GMT	31
		31	18:44 GMT	05:16 GMT	01-Nov

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<p>Venus is very low in west after sunset. By the end of the month it sets about 6pm Mars rises about 10pm at the start of the month and is about the same distance as the Sun. It gets closer as the month progresses. Jupiter rises at sunset. It is 4X further than the Sun. Saturn low in the south to south west in the evening. 9X further than Sun Uranus is visible all night. Neptune is in Pisces, (the Fishes)</p>	Duration of Dark Sky				
	Date	Time from	Time to	Date	
<p>Taurid Meteor Shower October 20 to November 30. Maximum on Nov 5</p>	New Moon	1	18:44	05:16	2
		2	18:44	05:16	3
		3	18:15	05:16	4
		4	18:15	05:16	5
		5	18:15	05:16	6
		6	18:15	05:16	7
		7	19:12	05:45	8
		8	21:08	05:45	9
	First Quarter Moon	9	22:34	05:45	10
	Saturn appears close to the Moon	10	Moonlight all evening		
		11	00:00	05:45	11
		12	01:56	05:45	12
		13	03:22	05:45	13
		14	04:48	05:45	14
<p>Leonid Meteor Shower November 15-20. Maximum on Nov 17.</p>	The Moon is closest to the Earth this month coinciding with it being full. It is a supermoon	15	Moonlight all night		16
		16	Moonlight all night		17
	Jupiter appears close to the Moon. Uranus is 18.5X as far away as the Sun and is at its closest to the Earth this year	17	Moonlight all night		18
		18	Moonlight all night		19
		19	18:15	19:40	19
	Mars appears close to the Moon, and the stars Castor and Pollux	20	18:15	21:07	20
<p>Taurid Meteor shower continues until November 30</p>	Mars appears closer to Castor and Pollux	21	18:15	22:33	21
	The Last Quarter Moon rises close to the star Regulus at 11pm, but the two move further apart as the night progresses.	22	18:15	23:31	22
		23	18:15	00:57	24
		24	18:15	01:55	25
		25	18:15	03:21	26
		26	17:46	04:19	27
	Just before sunrise the Moon is close to Spica, the brightest star in Virgo.	27	17:46	05:45	28
		28	17:46	06:14	29
		29	17:46	06:14	30
		30	17:46	06:14	1

Dark Sky in December 2024

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Mercury can be seen around 19 th low in the east before sunrise. Venus is low in the south-west after sunset at the beginning of the month, and sets later as the month continues Mars rises at about 20:00 at the beginning of the month Jupiter rises at sunset and remains in the sky most of the night Saturn south at sunset and sets in the late evening Uranus is in the constellation of Taurus and can be seen most of the night.		Duration of Dark Sky			
		Date	Time from	Time to	Date
New Moon		1	17:46	06:14	2
		2	17:46	06:14	3
		3	17:46	06:14	4
		4	17:46	06:14	5
Venus and the Moon are close together		5	18:44	06:14	6
		6	20:10	06:14	7
<u>Gemini Meteor Shower</u>		7	22:05	06:14	8
December 7 - 15	First Quarter Moon close to Saturn	8	23:32	06:14	9
	Jupiter is due south at midnight and is therefore closest to the Earth	9	Moonlight all evening		
		10	00:58	06:14	10
		11	02:24	06:14	11
		12	03:51	06:14	12
	The Moon passes through the Pleiades star cluster from sunset to about 19:00	13	05:17	06:14	13
	Maximum December 13		13	Moonlight all night	
		14	Moonlight all night		15
Full Moon		15	Moonlight all night		16
		16	Moonlight all night		17
<u>Ursid Meteor Shower</u>		17	17:46	18:43	17
December 17-25	The Moon is close to Mars before sunrise.	18	17:46	20:09	18
		19	17:46	21:07	19
Maximum December 22	The Moon is close Regulus, the brightest star in the constellation of Leo.	20	17:46	22:33	20
		21	17:46	23:59	21
	Last Quarter Moon	22	17:46	00:57	23
		23	17:46	02:23	24
		24	17:46	03:23	25
		25	17:46	04:47	26
		26	18:15	06:14	27
		27	18:15	06:43	28
		28	18:15	06:43	29
		29	18:15	06:43	30
		30	18:15	06:43	31
		31	18:15	06:43	1