

# Astronomical Almanac for 2024 October

Blackpool, Lancs

Latitude: 53°49'08" N Longitude: 3°02'01" W

Elevation: 5 metres

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
		SR: 06:15	SR: 06:16	SR: 06:18	SR: 06:20	SR: 06:22
		SS: 17:48	SS: 17:45	SS: 17:43	SS: 17:40	SS: 17:38
		MR: 04:35	MR: 05:48	MR: 07:00	MR: 08:14	MR: 09:30
		MS: 17:30	MS: 17:36	MS: 17:44	MS: 17:52	MS: 18:03
		Mer SCon	NM: 18:51			
6	7	8	9	10	11	12
SR: 06:24	SR: 06:26	SR: 06:27	SR: 06:29	SR: 06:31	SR: 06:33	SR: 06:35
SS: 17:35	SS: 17:33	SS: 17:31	SS: 17:28	SS: 17:26	SS: 17:24	SS: 17:21
MR: 10:49	MR: 12:08	MR: 13:22	MR: 14:24	MR: 15:10	MR: 15:40	MR: 16:01
MS: 18:18	MS: 18:40	MS: 19:15	MS: 20:08	MS: 21:20	MS: 22:46	MS: None
				FQ: 18:56		
13	14	15	16	17	18	19
SR: 06:37	SR: 06:39	SR: 06:40	SR: 06:42	SR: 06:44	SR: 06:46	SR: 06:48
SS: 17:19	SS: 17:17	SS: 17:14	SS: 17:12	SS: 17:10	SS: 17:07	SS: 17:05
MR: 16:16	MR: 16:27	MR: 16:37	MR: 16:46	MR: 16:57	MR: 17:11	MR: 17:31
MS: 00:18	MS: 01:52	MS: 03:27	MS: 05:01	MS: 06:38	MS: 08:16	MS: 09:56
				FM: 11:28		
20	21	22	23	24	25	26
SR: 06:50	SR: 06:52	SR: 06:54	SR: 06:56	SR: 06:58	SR: 06:59	SR: 07:01
SS: 17:03	SS: 17:01	SS: 16:58	SS: 16:56	SS: 16:54	SS: 16:52	SS: 16:50
MR: 18:01	MR: 18:48	MR: 19:53	MR: 21:11	MR: 22:33	MR: 23:53	MR: None
MS: 11:32	MS: 12:54	MS: 13:54	MS: 14:33	MS: 14:58	MS: 15:13	MS: 15:25
				LQ: 08:05		
27	28	29	30	31		
SR: 07:03	SR: 07:05	SR: 07:07	SR: 07:09	SR: 07:11		
SS: 16:48	SS: 16:46	SS: 16:44	SS: 16:42	SS: 16:40		
MR: 01:10	MR: 02:24	MR: 03:37	MR: 04:49	MR: 06:02		
MS: 15:33	MS: 15:40	MS: 15:47	MS: 15:54	MS: 16:02		

## Meteor Showers Report for 2024-10-01 to 2024-10-31

Date	Meteor Shower	ZHR	RA	DEC	Illum. Frac.	Longitude
2024-10-13	Piscids	??	1h44m	14°	0.74	200°
2024-10-22	Orionids	25	6h24m	15°	0.74	209°

## Planet View Info Report for 2024-10-01 to 2024-10-31

## Mercury

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-10-01	06:14	17:55	12h32m56s	-2°09'14"	1°17'27"	0.999	1.40001
2024-10-08	06:59	17:41	13h16m34s	-7°27'24"	5°18'32"	0.988	1.41847
2024-10-15	07:42	17:28	13h58m41s	-12°19'50"	9°47'09"	0.964	1.40643
2024-10-22	08:23	17:15	14h40m07s	-16°37'46"	13°44'52"	0.931	1.36861
2024-10-29	09:00	17:05	15h21m18s	-20°14'14"	17°12'15"	0.886	1.30629

## Venus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-10-01	09:23	18:37	14h28m30s	-14°56'44"	31°18'16"	0.849	1.36278
2024-10-08	09:47	18:24	15h01m54s	-17°49'42"	32°54'58"	0.833	1.32263
2024-10-15	10:11	18:14	15h36m14s	-20°21'12"	34°29'08"	0.815	1.28111
2024-10-22	10:34	18:07	16h11m29s	-22°27'02"	36°00'24"	0.798	1.23840
2024-10-29	10:55	18:03	16h47m34s	-24°03'26"	37°28'27"	0.779	1.19458

## Mars

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-10-01	22:07	15:03	7h04m45s	23°08'24"	83°27'42"	0.875	1.24052
2024-10-08	21:57	14:49	7h20m15s	22°52'07"	86°47'14"	0.876	1.19213
2024-10-15	21:46	14:33	7h34m46s	22°33'10"	90°20'59"	0.878	1.14260
2024-10-22	21:34	14:16	7h48m14s	22°12'57"	94°10'34"	0.881	1.09216
2024-10-29	21:21	13:58	8h00m28s	21°53'01"	98°18'23"	0.885	1.04101

## Jupiter

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-10-01	20:27	13:14	5h21m57s	22°26'17"	107°06'11"	0.991	4.66573
2024-10-08	20:00	12:47	5h22m26s	22°26'34"	113°53'23"	0.992	4.56585
2024-10-15	19:32	12:19	5h22m12s	22°26'16"	120°51'53"	0.993	4.47137
2024-10-22	19:04	11:50	5h21m17s	22°25'22"	128°01'45"	0.994	4.38384
2024-10-29	18:35	11:21	5h19m39s	22°23'53"	135°23'01"	0.995	4.30482

## Saturn

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-10-01	17:16	03:55	23h05m59s	-8°09'40"	155°59'50"	1.000	8.75746
2024-10-08	16:47	03:25	23h04m20s	-8°19'28"	148°41'06"	0.999	8.81102
2024-10-15	16:19	02:55	23h02m53s	-8°27'49"	141°23'38"	0.999	8.87726
2024-10-22	15:51	02:26	23h01m40s	-8°34'31"	134°08'11"	0.999	8.95501
2024-10-29	15:23	01:57	23h00m43s	-8°39'26"	126°55'06"	0.998	9.04302

## Uranus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-10-01	19:08	11:06	3h38m40s	19°12'25"	131°25'19"	1.000	18.89408
2024-10-08	18:40	10:38	3h37m55s	19°09'55"	138°30'02"	1.000	18.81017
2024-10-15	18:12	10:09	3h37m03s	19°07'00"	145°38'05"	1.000	18.73736
2024-10-22	17:44	09:40	3h36m05s	19°03'41"	152°49'17"	1.000	18.67681
2024-10-29	17:16	09:11	3h35m01s	19°00'04"	160°03'33"	1.000	18.62952

## Neptune

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-10-01	17:31	05:19	23h55m41s	-1°54'50"	169°50'29"	1.000	28.91077
2024-10-08	17:03	04:51	23h55m00s	-1°59'16"	162°47'34"	1.000	28.94070
2024-10-15	16:35	04:22	23h54m20s	-2°03'27"	155°42'27"	1.000	28.98478
2024-10-22	16:07	03:54	23h53m44s	-2°07'19"	148°36'08"	1.000	29.04231
2024-10-29	15:40	03:25	23h53m11s	-2°10'46"	141°28'48"	1.000	29.11251