

Astronomical Almanac for 2024 February

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
				SR: 07:59	SR: 07:58	SR: 07:56
				SS: 16:53	SS: 16:55	SS: 16:57
				MR: None	MR: 00:40	MR: 01:59
				MS: 10:01	MS: 10:11	MS: 10:23
					LQ: 23:20	
4	5	6	7	8	9	10
SR: 07:54	SR: 07:52	SR: 07:50	SR: 07:49	SR: 07:47	SR: 07:45	SR: 07:43
SS: 16:59	SS: 17:01	SS: 17:03	SS: 17:05	SS: 17:07	SS: 17:09	SS: 17:11
MR: 03:22	MR: 04:45	MR: 06:02	MR: 07:03	MR: 07:45	MR: 08:12	MR: 08:30
MS: 10:42	MS: 11:10	MS: 11:56	MS: 13:06	MS: 14:35	MS: 16:15	MS: 17:55
					NM: 23:01	
11	12	13	14	15	16	17
SR: 07:41	SR: 07:39	SR: 07:37	SR: 07:35	SR: 07:33	SR: 07:31	SR: 07:28
SS: 17:13	SS: 17:15	SS: 17:17	SS: 17:19	SS: 17:21	SS: 17:23	SS: 17:25
MR: 08:43	MR: 08:53	MR: 09:03	MR: 09:13	MR: 09:25	MR: 09:41	MR: 10:04
MS: 19:32	MS: 21:06	MS: 22:37	MS: None	MS: 00:08	MS: 01:38	MS: 03:06
					FQ: 15:02	
18	19	20	21	22	23	24
SR: 07:26	SR: 07:24	SR: 07:22	SR: 07:20	SR: 07:18	SR: 07:15	SR: 07:13
SS: 17:27	SS: 17:29	SS: 17:31	SS: 17:33	SS: 17:35	SS: 17:37	SS: 17:39
MR: 10:38	MR: 11:26	MR: 12:30	MR: 13:44	MR: 15:02	MR: 16:19	MR: 17:35
MS: 04:26	MS: 05:32	MS: 06:20	MS: 06:53	MS: 07:14	MS: 07:29	MS: 07:40
						FM: 12:31
25	26	27	28	29		
SR: 07:11	SR: 07:09	SR: 07:06	SR: 07:04	SR: 07:02		
SS: 17:41	SS: 17:43	SS: 17:44	SS: 17:46	SS: 17:48		
MR: 18:48	MR: 20:00	MR: 21:13	MR: 22:27	MR: 23:44		
MS: 07:48	MS: 07:55	MS: 08:02	MS: 08:10	MS: 08:18		
			Mer SCon	Sat Con		

Twilight Report for 2024-02-01 to 2024-02-29

Date	Sun		Astronomical		Nautical		Civil	
	Rise	Set	Begin	End	Begin	End	Begin	End
2024-02-01	07:59	16:53	05:51	19:01	06:32	18:20	07:14	17:38
2024-02-08	07:47	17:07	05:41	19:13	06:21	18:32	07:03	17:50
2024-02-15	07:33	17:21	05:28	19:25	06:09	18:44	06:50	18:03
2024-02-22	07:18	17:35	05:15	19:38	05:55	18:57	06:36	18:16
2024-02-29	07:02	17:48	04:59	19:51	05:40	19:10	06:21	18:29

Planet View Info Report for 2024-02-01 to 2024-02-29

Mercury

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-02-01	07:25	15:02	19h42m51s	-22°24'07"	17°58'46"	0.879	1.29058
2024-02-08	07:31	15:33	20h28m21s	-20°47'38"	14°27'43"	0.923	1.34686
2024-02-15	07:31	16:12	21h15m00s	-18°04'59"	10°19'48"	0.959	1.38079
2024-02-22	07:26	16:57	22h02m25s	-14°14'43"	5°34'48"	0.987	1.38992
2024-02-29	07:17	17:47	22h50m33s	-9°17'48"	1°52'02"	0.998	1.36762

Venus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-02-01	06:28	14:04	18h46m05s	-22°22'45"	30°57'52"	0.857	1.36240
2024-02-08	06:33	14:19	19h23m20s	-21°45'57"	29°24'58"	0.872	1.39905
2024-02-15	06:33	14:37	20h00m10s	-20°37'21"	27°50'44"	0.886	1.43408
2024-02-22	06:30	14:57	20h36m21s	-18°58'58"	26°15'07"	0.899	1.46751
2024-02-29	06:24	15:19	21h11m44s	-16°53'44"	24°38'04"	0.912	1.49937

Mars

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-02-01	07:13	14:45	19h29m47s	-22°41'09"	20°59'15"	0.985	2.31908
2024-02-08	07:02	14:47	19h52m36s	-21°50'08"	22°44'33"	0.982	2.29334
2024-02-15	06:49	14:49	20h15m13s	-20°47'28"	24°27'26"	0.979	2.26707
2024-02-22	06:35	14:53	20h37m36s	-19°33'51"	26°07'45"	0.976	2.24044
2024-02-29	06:20	14:57	20h59m41s	-18°10'04"	27°45'34"	0.973	2.21363

Jupiter

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-02-01	10:31	01:08	2h20m59s	12°57'27"	85°38'43"	0.990	4.96642
2024-02-08	10:05	00:45	2h24m01s	13°14'30"	79°20'02"	0.990	5.07824
2024-02-15	09:39	00:23	2h27m32s	13°33'46"	73°09'56"	0.991	5.18789
2024-02-22	09:13	00:01	2h31m32s	13°54'54"	67°08'05"	0.992	5.29410
2024-02-29	08:48	23:38	2h35m56s	14°17'35"	61°13'51"	0.992	5.39589

Saturn

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-02-01	08:59	19:07	22h35m26s	-10°37'37"	24°56'59"	1.000	10.63543
2024-02-08	08:33	18:44	22h38m31s	-10°19'27"	18°40'49"	1.000	10.67828
2024-02-15	08:06	18:21	22h41m39s	-10°00'50"	12°27'52"	1.000	10.70902
2024-02-22	07:40	17:59	22h44m50s	-9°41'56"	6°21'10"	1.000	10.72736
2024-02-29	07:14	17:36	22h48m03s	-9°22'54"	1°37'29"	1.000	10.73324

Uranus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-02-01	10:50	02:21	3h06m53s	17°12'50"	97°29'03"	0.999	19.45784
2024-02-08	10:22	01:53	3h07m05s	17°13'50"	90°26'04"	0.999	19.57709
2024-02-15	09:55	01:26	3h07m27s	17°15'31"	83°26'36"	0.999	19.69647
2024-02-22	09:28	01:00	3h08m00s	17°17'52"	76°30'58"	0.999	19.81414
2024-02-29	09:01	00:33	3h08m42s	17°20'52"	69°39'07"	0.999	19.92845

Neptune

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2024-02-01	09:26	21:01	23h46m26s	-2°48'05"	44°11'13"	1.000	30.60165
2024-02-08	08:58	20:35	23h47m13s	-2°42'53"	37°18'12"	1.000	30.68147
2024-02-15	08:31	20:09	23h48m03s	-2°37'20"	30°27'08"	1.000	30.74985
2024-02-22	08:04	19:42	23h48m56s	-2°31'29"	23°38'21"	1.000	30.80589
2024-02-29	07:37	19:16	23h49m52s	-2°25'26"	16°51'54"	1.000	30.84895