

Astronomical Almanac for 2018 August

Blackpool, Lancs

Latitude: 53°49'00" N Longitude: 3°02'00" W

Elevation: 5 metres

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
			SR: 04:26	SR: 04:28	SR: 04:29	SR: 04:31
			SS: 20:10	SS: 20:08	SS: 20:06	SS: 20:04
			MR: 22:10	MR: 22:29	MR: 22:49	MR: 23:12
			MS: 09:12	MS: 10:22	MS: 11:33	MS: 12:47
						LQ: 18:20
5	6	7	8	9	10	11
SR: 04:33	SR: 04:35	SR: 04:36	SR: 04:38	SR: 04:40	SR: 04:42	SR: 04:43
SS: 20:02	SS: 20:00	SS: 19:58	SS: 19:56	SS: 19:54	SS: 19:52	SS: 19:50
MR: 23:40	MR: None	MR: 00:14	MR: 00:59	MR: 01:57	MR: 03:08	MR: 04:28
MS: 14:02	MS: 15:19	MS: 16:34	MS: 17:43	MS: 18:42	MS: 19:29	MS: 20:07
				Mer ICon		NM: 09:59
						SE: 09:46
12	13	14	15	16	17	18
SR: 04:45	SR: 04:47	SR: 04:49	SR: 04:50	SR: 04:52	SR: 04:54	SR: 04:56
SS: 19:48	SS: 19:46	SS: 19:44	SS: 19:42	SS: 19:40	SS: 19:37	SS: 19:35
MR: 05:53	MR: 07:18	MR: 08:40	MR: 10:00	MR: 11:17	MR: 12:31	MR: 13:41
MS: 20:37	MS: 21:02	MS: 21:24	MS: 21:46	MS: 22:07	MS: 22:31	MS: 22:57
						FQ: 07:50
19	20	21	22	23	24	25
SR: 04:57	SR: 04:59	SR: 05:01	SR: 05:03	SR: 05:05	SR: 05:06	SR: 05:08
SS: 19:33	SS: 19:31	SS: 19:28	SS: 19:26	SS: 19:24	SS: 19:22	SS: 19:19
MR: 14:48	MR: 15:49	MR: 16:45	MR: 17:32	MR: 18:12	MR: 18:45	MR: 19:13
MS: 23:28	MS: None	MS: 00:06	MS: 00:50	MS: 01:41	MS: 02:39	MS: 03:41
26	27	28	29	30	31	
SR: 05:10	SR: 05:12	SR: 05:13	SR: 05:15	SR: 05:17	SR: 05:19	
SS: 19:17	SS: 19:15	SS: 19:12	SS: 19:10	SS: 19:07	SS: 19:05	
MR: 19:36	MR: 19:57	MR: 20:17	MR: 20:35	MR: 20:55	MR: 21:17	
MS: 04:47	MS: 05:55	MS: 07:03	MS: 08:13	MS: 09:24	MS: 10:37	
FM: 11:58						

Twilight Report for 2018-08-01 to 2018-08-31

Date	Sun		Astronomical		Nautical		Civil	
	Rise	Set	Begin	End	Begin	End	Begin	End
2018-08-01	04:26	20:10	00:39	23:57	02:34	22:02	03:36	21:00
2018-08-08	04:38	19:56	01:32	23:02	02:53	21:41	03:50	20:45
2018-08-15	04:50	19:42	02:04	22:28	03:11	21:21	04:04	20:28
2018-08-22	05:03	19:26	02:30	21:59	03:29	21:00	04:18	20:11
2018-08-29	05:15	19:10	02:52	21:33	03:45	20:40	04:32	19:53

Meteor Showers Report for 2018-08-01 to 2018-08-31

Date	Meteor Shower	ZHR	RA	DEC	Illum. Frac.	Longitude
2018-08-13	Perseids	75	3h04m	58°	0.04	140°
2018-08-21	alpha-Cygnids	5	21h00m	48°	0.75	148°

Planet View Info Report for 2018-08-01 to 2018-08-31

Mercury

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2018-08-01	06:05	20:00	9h31m42s	9°51'42"	14°04'00"	0.083	0.61038
2018-08-08	05:12	19:21	9h13m01s	10°59'29"	5°13'49"	0.012	0.59987
2018-08-15	04:13	18:52	8h55m34s	13°22'54"	10°19'51"	0.060	0.65931
2018-08-22	03:34	18:39	8h55m48s	15°24'10"	16°56'48"	0.244	0.79212
2018-08-29	03:30	18:38	9h20m05s	15°37'52"	18°03'58"	0.523	0.97463

Venus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2018-08-01	08:55	21:26	11h37m22s	2°30'38"	45°05'32"	0.570	0.81847
2018-08-08	09:11	21:05	12h02m56s	-0°55'52"	45°37'30"	0.537	0.76250
2018-08-15	09:27	20:44	12h27m30s	-4°20'24"	45°54'02"	0.501	0.70653
2018-08-22	09:41	20:21	12h50m58s	-7°39'19"	45°51'27"	0.463	0.65077
2018-08-29	09:54	19:57	13h13m07s	-10°48'52"	45°24'31"	0.422	0.59560

Mars

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2018-08-01	20:38	03:20	20h27m12s	-25°53'55"	171°11'49"	0.997	0.38494
2018-08-08	20:06	02:41	20h19m34s	-26°18'54"	164°14'30"	0.990	0.38901
2018-08-15	19:34	02:06	20h13m21s	-26°29'30"	156°39'57"	0.979	0.39967
2018-08-22	19:02	01:35	20h09m26s	-26°25'24"	149°22'24"	0.964	0.41630
2018-08-29	18:31	01:09	20h08m16s	-26°08'02"	142°36'12"	0.948	0.43810

Jupiter

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2018-08-01	13:42	22:55	14h47m26s	-15°07'08"	95°17'45"	0.991	5.20085
2018-08-08	13:17	22:29	14h49m24s	-15°17'40"	89°05'50"	0.991	5.30819
2018-08-15	12:54	22:02	14h51m52s	-15°30'19"	83°00'38"	0.991	5.41539
2018-08-22	12:31	21:36	14h54m49s	-15°44'52"	77°01'48"	0.992	5.52113
2018-08-29	12:08	21:10	14h58m13s	-16°01'05"	71°08'39"	0.992	5.62426

Saturn

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2018-08-01	18:00	01:35	18h15m07s	-22°35'36"	144°45'09"	0.999	9.23767
2018-08-08	17:31	01:06	18h13m38s	-22°37'03"	137°42'48"	0.999	9.31016
2018-08-15	17:02	00:37	18h12m27s	-22°38'24"	130°43'13"	0.999	9.39327
2018-08-22	16:34	00:08	18h11m33s	-22°39'40"	123°46'57"	0.998	9.48561
2018-08-29	16:06	23:36	18h10m59s	-22°40'51"	116°54'09"	0.998	9.58571

Uranus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2018-08-01	22:22	12:45	2h02m09s	11°50'24"	96°10'58"	0.999	19.74630
2018-08-08	21:54	12:17	2h02m13s	11°50'39"	102°52'02"	0.999	19.63004
2018-08-15	21:27	11:50	2h02m08s	11°50'03"	109°36'30"	0.999	19.51684
2018-08-22	20:59	11:22	2h01m54s	11°48'39"	116°24'12"	0.999	19.40842
2018-08-29	20:31	10:54	2h01m31s	11°46'29"	123°15'12"	1.000	19.30633