

Astronomical Almanac for 2019 February

Blackpool, Lancs

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

Elevation: 10 metres

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

Planet View Info Report for 2019-02-01 to 2019-02-28

Mercury

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2019-02-01	08:20	16:51	21h05m01s	-18°51'03"	2°28'29"	0.997	1.39729
2019-02-08	08:14	17:40	21h53m51s	-14°40'39"	6°53'40"	0.975	1.33700
2019-02-15	08:02	18:31	22h40m56s	-9°26'34"	12°14'29"	0.892	1.22987
2019-02-22	07:44	19:16	23h22m16s	-3°44'52"	16°48'10"	0.697	1.06920

Venus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2019-02-01	05:15	13:14	17h45m44s	-20°48'56"	45°12'46"	0.621	0.86886
2019-02-08	05:24	13:18	18h19m57s	-21°10'28"	44°18'32"	0.649	0.92042
2019-02-15	05:31	13:26	18h54m41s	-21°05'09"	43°17'00"	0.675	0.97120
2019-02-22	05:34	13:38	19h29m39s	-20°31'44"	42°09'10"	0.699	1.02117

Mars

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2019-02-01	09:53	23:36	1h16m47s	8°25'32"	69°04'37"	0.894	1.52662
2019-02-08	09:33	23:37	1h34m29s	10°16'37"	66°42'59"	0.899	1.58714
2019-02-15	09:13	23:38	1h52m22s	12°03'35"	64°22'11"	0.904	1.64745
2019-02-22	08:53	23:39	2h10m27s	13°45'42"	62°02'02"	0.909	1.70738

Jupiter

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2019-02-01	04:46	12:23	17h07m05s	-22°15'20"	54°02'57"	0.994	5.85922
2019-02-08	04:24	11:59	17h12m07s	-22°21'25"	59°58'55"	0.994	5.76326
2019-02-15	04:02	11:36	17h16m46s	-22°26'27"	65°59'08"	0.993	5.66157
2019-02-22	03:39	11:12	17h21m01s	-22°30'34"	72°03'55"	0.992	5.55524

Saturn

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2019-02-01	06:42	14:21	19h04m27s	-22°09'00"	26°55'35"	1.000	10.94590
2019-02-08	06:17	13:57	19h07m41s	-22°04'15"	33°16'29"	0.999	10.88706
2019-02-15	05:52	13:33	19h10m45s	-21°59'29"	39°38'21"	0.999	10.81741
2019-02-22	05:27	13:09	19h13m40s	-21°54'47"	46°01'20"	0.999	10.73784

Uranus

Date	Rise	Set	RA	Dec	Elongation	Ill Fr	DIST(AU)
2019-02-01	10:12	00:20	1h48m05s	10°35'18"	77°03'04"	0.999	20.05788
2019-02-08	09:44	23:50	1h48m44s	10°39'08"	70°07'14"	0.999	20.17324
2019-02-15	09:17	23:23	1h49m31s	10°43'45"	63°14'49"	1.000	20.28367
2019-02-22	08:50	22:57	1h50m26s	10°49'05"	56°25'49"	1.000	20.38767