

Station: Surat

Location: Longitude : 72.83 E Latitude : 21.20 N

Date	Moonrise	Moonset	Sunrise	Sunset
	h. m.	h. m.	h. m.	h. m.
2017/12/27	13-22	1- 1	7-14	18- 5
2017/12/28	14- 3	1-57	7-15	18- 6
2017/12/29	14-48	2-55	7-15	18- 6
2017/12/30	15-38	3-57	7-16	18- 7
2017/12/31	16-33	5- 1	7-16	18- 8
2018/ 1/ 1	17-33	6- 6	7-16	18- 8
2018/ 1/ 2	18-37	7-12	7-17	18- 9
2018/ 1/ 3	19-43	8-13	7-17	18- 9
2018/ 1/ 4	20-47	9-10	7-17	18-10
2018/ 1/ 5	21-50	10- 2	7-17	18-11
2018/ 1/ 6	22-49	10-48	7-18	18-11
2018/ 1/ 7	23-45	11-31	7-18	18-12
2018/ 1/ 8	-----	12-11	7-18	18-13
2018/ 1/ 9	0-39	12-49	7-18	18-13
2018/ 1/10	1-31	13-28	7-18	18-14
2018/ 1/11	2-22	14- 6	7-19	18-15
2018/ 1/12	3-13	14-46	7-19	18-15
2018/ 1/13	4- 4	15-29	7-19	18-16
2018/ 1/14	4-54	16-12	7-19	18-17
2018/ 1/15	5-44	16-59	7-19	18-17
2018/ 1/16	6-31	17-48	7-19	18-18
2018/ 1/17	7-18	18-37	7-19	18-19
2018/ 1/18	8- 2	19-29	7-19	18-19
2018/ 1/19	8-45	20-20	7-19	18-20
2018/ 1/20	9-25	21-11	7-19	18-21
2018/ 1/21	10- 4	22- 3	7-19	18-21
2018/ 1/22	10-42	22-55	7-18	18-22
2018/ 1/23	11-21	23-49	7-18	18-23
2018/ 1/24	12- 0	-----	7-18	18-23
2018/ 1/25	12-42	0-44	7-18	18-24
2018/ 1/26	13-28	1-43	7-18	18-25
2018/ 1/27	14-18	2-43	7-18	18-25
2018/ 1/28	15-14	3-46	7-17	18-26
2018/ 1/29	16-14	4-49	7-17	18-27
2018/ 1/30	17-18	5-52	7-17	18-27
2018/ 1/31	18-23	6-51	7-16	18-28
2018/ 2/ 1	19-29	7-46	7-16	18-29
2018/ 2/ 2	20-31	8-36	7-16	18-29
2018/ 2/ 3	21-31	9-22	7-15	18-30
2018/ 2/ 4	22-27	10- 5	7-15	18-30
2018/ 2/ 5	23-22	10-45	7-15	18-31
2018/ 2/ 6	-----	11-25	7-14	18-31
2018/ 2/ 7	0-15	12- 4	7-14	18-32
2018/ 2/ 8	1- 7	12-44	7-13	18-33
2018/ 2/ 9	1-58	13-26	7-13	18-33
2018/ 2/10	2-49	14- 9	7-12	18-34
2018/ 2/11	3-39	14-55	7-12	18-34
2018/ 2/12	4-27	15-43	7-11	18-35
2018/ 2/13	5-14	16-32	7-11	18-35
2018/ 2/14	6- 0	17-23	7-10	18-36
2018/ 2/15	6-43	18-15	7- 9	18-36
2018/ 2/16	7-24	19- 7	7- 9	18-37
2018/ 2/17	8- 4	19-59	7- 8	18-37
2018/ 2/18	8-43	20-52	7- 8	18-38
2018/ 2/19	9-22	21-46	7- 7	18-38
2018/ 2/20	10- 1	22-40	7- 6	18-39
2018/ 2/21	10-42	23-37	7- 5	18-39
2018/ 2/22	11-25	-----	7- 5	18-40
2018/ 2/23	12-12	0-34	7- 4	18-40
2018/ 2/24	13- 4	1-35	7- 3	18-41
2018/ 2/25	14- 0	2-35	7- 3	18-41
2018/ 2/26	15- 0	3-36	7- 2	18-42
2018/ 2/27	16- 3	4-35	7- 1	18-42
2018/ 2/28	17- 7	5-31	7- 0	18-42
2018/ 3/ 1	18-10	6-22	6-59	18-43
2018/ 3/ 2	19-12	7-10	6-59	18-43
2018/ 3/ 3	20-10	7-55	6-58	18-44
2018/ 3/ 4	21- 7	8-37	6-57	18-44
2018/ 3/ 5	22- 2	9-18	6-56	18-44
2018/ 3/ 6	22-56	9-58	6-55	18-45
2018/ 3/ 7	23-49	10-39	6-55	18-45
2018/ 3/ 8	-----	11-21	6-54	18-45

2018/ 3/ 9	0-41	12- 4	6-53	18-46
2018/ 3/10	1-32	12-49	6-52	18-46
2018/ 3/11	2-21	13-37	6-51	18-47
2018/ 3/12	3- 9	14-25	6-50	18-47
2018/ 3/13	3-55	15-16	6-49	18-47
2018/ 3/14	4-38	16- 7	6-48	18-48
2018/ 3/15	5-21	16-59	6-47	18-48
2018/ 3/16	6- 1	17-52	6-47	18-48
2018/ 3/17	6-41	18-45	6-46	18-49
2018/ 3/18	7-20	19-40	6-45	18-49
2018/ 3/19	8- 0	20-34	6-44	18-49
2018/ 3/20	8-41	21-32	6-43	18-50
2018/ 3/21	9-24	22-29	6-42	18-50
2018/ 3/22	10-10	23-30	6-41	18-50
2018/ 3/23	11- 0	-----	6-40	18-51
2018/ 3/24	11-54	0-29	6-39	18-51
2018/ 3/25	12-52	1-30	6-38	18-51
2018/ 3/26	13-52	2-27	6-37	18-51
2018/ 3/27	14-54	3-23	6-37	18-52
2018/ 3/28	15-56	4-14	6-36	18-52
2018/ 3/29	16-56	5- 2	6-35	18-52
2018/ 3/30	17-55	5-47	6-34	18-53
2018/ 3/31	18-52	6-29	6-33	18-53
2018/ 4/ 1	19-49	7-10	6-32	18-53
2018/ 4/ 2	20-43	7-51	6-31	18-54
2018/ 4/ 3	21-38	8-31	6-30	18-54
2018/ 4/ 4	22-30	9-14	6-29	18-54
2018/ 4/ 5	23-23	9-57	6-28	18-55
2018/ 4/ 6	-----	10-42	6-27	18-55
2018/ 4/ 7	0-13	11-29	6-27	18-55
2018/ 4/ 8	1- 2	12-17	6-26	18-56
2018/ 4/ 9	1-49	13- 7	6-25	18-56
2018/ 4/10	2-33	13-58	6-24	18-56
2018/ 4/11	3-16	14-49	6-23	18-57
2018/ 4/12	3-57	15-41	6-22	18-57
2018/ 4/13	4-36	16-34	6-21	18-57
2018/ 4/14	5-16	17-28	6-21	18-58
2018/ 4/15	5-55	18-24	6-20	18-58
2018/ 4/16	6-36	19-21	6-19	18-58
2018/ 4/17	7-19	20-20	6-18	18-59
2018/ 4/18	8- 5	21-22	6-17	18-59
2018/ 4/19	8-55	22-23	6-17	18-59
2018/ 4/20	9-49	23-25	6-16	19- 0
2018/ 4/21	10-47	-----	6-15	19- 0
2018/ 4/22	11-47	0-24	6-14	19- 0
2018/ 4/23	12-48	1-20	6-14	19- 1
2018/ 4/24	13-49	2-11	6-13	19- 1
2018/ 4/25	14-48	2-59	6-12	19- 1
2018/ 4/26	15-46	3-44	6-11	19- 2
2018/ 4/27	16-42	4-26	6-11	19- 2
2018/ 4/28	17-38	5- 6	6-10	19- 3
2018/ 4/29	18-32	5-46	6- 9	19- 3
2018/ 4/30	19-27	6-26	6- 9	19- 3
2018/ 5/ 1	20-20	7- 7	6- 8	19- 4
2018/ 5/ 2	21-13	7-50	6- 7	19- 4
2018/ 5/ 3	22- 5	8-34	6- 7	19- 5
2018/ 5/ 4	22-55	9-21	6- 6	19- 5
2018/ 5/ 5	23-43	10- 9	6- 6	19- 5
2018/ 5/ 6	-----	10-58	6- 5	19- 6
2018/ 5/ 7	0-28	11-49	6- 5	19- 6
2018/ 5/ 8	1-12	12-39	6- 4	19- 7
2018/ 5/ 9	1-53	13-31	6- 4	19- 7
2018/ 5/10	2-32	14-22	6- 3	19- 7
2018/ 5/11	3-11	15-16	6- 3	19- 8
2018/ 5/12	3-49	16-10	6- 2	19- 8
2018/ 5/13	4-29	17- 6	6- 2	19- 9
2018/ 5/14	5-11	18- 5	6- 1	19- 9
2018/ 5/15	5-56	19- 6	6- 1	19-10
2018/ 5/16	6-45	20- 9	6- 0	19-10
2018/ 5/17	7-39	21-14	6- 0	19-10
2018/ 5/18	8-36	22-16	6- 0	19-11
2018/ 5/19	9-38	23-15	5-59	19-11
2018/ 5/20	10-40	-----	5-59	19-12
2018/ 5/21	11-43	0- 9	5-59	19-12
2018/ 5/22	12-43	0-59	5-58	19-13
2018/ 5/23	13-42	1-45	5-58	19-13
2018/ 5/24	14-37	2-26	5-58	19-14
2018/ 5/25	15-33	3- 7	5-58	19-14
2018/ 5/26	16-26	3-46	5-57	19-14

2018/ 5/27	17-20	4-24	5-57	19-15
2018/ 5/28	18-13	5- 5	5-57	19-15
2018/ 5/29	19- 6	5-46	5-57	19-16
2018/ 5/30	19-58	6-29	5-57	19-16
2018/ 5/31	20-49	7-15	5-57	19-16
2018/ 6/ 1	21-38	8- 3	5-57	19-17
2018/ 6/ 2	22-24	8-52	5-56	19-17
2018/ 6/ 3	23- 8	9-42	5-56	19-18
2018/ 6/ 4	23-50	10-32	5-56	19-18
2018/ 6/ 5	-----	11-23	5-56	19-18
2018/ 6/ 6	0-29	12-13	5-56	19-19
2018/ 6/ 7	1- 7	13- 5	5-56	19-19
2018/ 6/ 8	1-45	13-57	5-56	19-20
2018/ 6/ 9	2-23	14-51	5-56	19-20
2018/ 6/10	3- 3	15-48	5-56	19-20
2018/ 6/11	3-46	16-47	5-56	19-21
2018/ 6/12	4-32	17-50	5-56	19-21
2018/ 6/13	5-24	18-54	5-57	19-21
2018/ 6/14	6-20	19-59	5-57	19-22
2018/ 6/15	7-22	21- 2	5-57	19-22
2018/ 6/16	8-26	22- 1	5-57	19-22
2018/ 6/17	9-31	22-54	5-57	19-22
2018/ 6/18	10-34	23-43	5-57	19-23
2018/ 6/19	11-35	-----	5-57	19-23
2018/ 6/20	12-33	0-26	5-58	19-23
2018/ 6/21	13-29	1- 8	5-58	19-23
2018/ 6/22	14-23	1-47	5-58	19-24
2018/ 6/23	15-16	2-26	5-58	19-24
2018/ 6/24	16- 9	3- 5	5-58	19-24
2018/ 6/25	17- 1	3-46	5-59	19-24
2018/ 6/26	17-53	4-27	5-59	19-24
2018/ 6/27	18-44	5-12	5-59	19-24
2018/ 6/28	19-34	5-59	6- 0	19-25
2018/ 6/29	20-21	6-47	6- 0	19-25
2018/ 6/30	21- 6	7-37	6- 0	19-25
2018/ 7/ 1	21-49	8-27	6- 0	19-25
2018/ 7/ 2	22-28	9-18	6- 1	19-25
2018/ 7/ 3	23- 7	10- 8	6- 1	19-25
2018/ 7/ 4	23-44	10-58	6- 1	19-25
2018/ 7/ 5	-----	11-49	6- 2	19-25
2018/ 7/ 6	0-20	12-41	6- 2	19-25
2018/ 7/ 7	0-58	13-35	6- 2	19-25
2018/ 7/ 8	1-39	14-31	6- 3	19-25
2018/ 7/ 9	2-21	15-31	6- 3	19-25
2018/ 7/10	3- 9	16-33	6- 4	19-25
2018/ 7/11	4- 2	17-38	6- 4	19-25
2018/ 7/12	5- 1	18-42	6- 4	19-24
2018/ 7/13	6- 5	19-44	6- 5	19-24
2018/ 7/14	7-11	20-41	6- 5	19-24
2018/ 7/15	8-17	21-34	6- 5	19-24
2018/ 7/16	9-22	22-21	6- 6	19-24
2018/ 7/17	10-22	23- 5	6- 6	19-24
2018/ 7/18	11-21	23-46	6- 7	19-23
2018/ 7/19	12-17	-----	6- 7	19-23
2018/ 7/20	13-12	0-26	6- 7	19-23
2018/ 7/21	14- 5	1- 5	6- 8	19-22
2018/ 7/22	14-57	1-46	6- 8	19-22
2018/ 7/23	15-50	2-27	6- 9	19-22
2018/ 7/24	16-40	3-10	6- 9	19-21
2018/ 7/25	17-31	3-56	6- 9	19-21
2018/ 7/26	18-18	4-43	6-10	19-21
2018/ 7/27	19- 4	5-33	6-10	19-20
2018/ 7/28	19-48	6-23	6-10	19-20
2018/ 7/29	20-28	7-14	6-11	19-19
2018/ 7/30	21- 7	8- 4	6-11	19-19
2018/ 7/31	21-45	8-55	6-12	19-18
2018/ 8/ 1	22-21	9-45	6-12	19-18
2018/ 8/ 2	22-58	10-36	6-12	19-17
2018/ 8/ 3	23-36	11-28	6-13	19-17
2018/ 8/ 4	-----	12-22	6-13	19-16
2018/ 8/ 5	0-16	13-18	6-14	19-16
2018/ 8/ 6	1- 1	14-17	6-14	19-15
2018/ 8/ 7	1-50	15-19	6-14	19-15
2018/ 8/ 8	2-44	16-22	6-15	19-14
2018/ 8/ 9	3-44	17-24	6-15	19-13
2018/ 8/10	4-48	18-24	6-15	19-13
2018/ 8/11	5-55	19-19	6-16	19-12
2018/ 8/12	7- 1	20-10	6-16	19-11
2018/ 8/13	8- 5	20-57	6-16	19-11

2018/ 8/14	9- 6	21-40	6-17	19-10
2018/ 8/15	10- 5	22-21	6-17	19- 9
2018/ 8/16	11- 2	23- 2	6-17	19- 8
2018/ 8/17	11-57	23-43	6-18	19- 8
2018/ 8/18	12-51	-----	6-18	19- 7
2018/ 8/19	13-44	0-24	6-18	19- 6
2018/ 8/20	14-36	1- 8	6-19	19- 5
2018/ 8/21	15-27	1-53	6-19	19- 5
2018/ 8/22	16-15	2-40	6-19	19- 4
2018/ 8/23	17- 2	3-29	6-19	19- 3
2018/ 8/24	17-46	4-18	6-20	19- 2
2018/ 8/25	18-27	5- 9	6-20	19- 1
2018/ 8/26	19- 7	6- 0	6-20	19- 0
2018/ 8/27	19-45	6-51	6-21	18-59
2018/ 8/28	20-22	7-42	6-21	18-59
2018/ 8/29	20-59	8-33	6-21	18-58
2018/ 8/30	21-37	9-25	6-21	18-57
2018/ 8/31	22-15	10-17	6-22	18-56
2018/ 9/ 1	22-58	11-13	6-22	18-55
2018/ 9/ 2	23-44	12- 9	6-22	18-54
2018/ 9/ 3	-----	13- 8	6-22	18-53
2018/ 9/ 4	0-34	14- 8	6-23	18-52
2018/ 9/ 5	1-30	15- 9	6-23	18-51
2018/ 9/ 6	2-30	16- 8	6-23	18-50
2018/ 9/ 7	3-34	17- 4	6-23	18-49
2018/ 9/ 8	4-39	17-56	6-24	18-49
2018/ 9/ 9	5-44	18-45	6-24	18-48
2018/ 9/10	6-47	19-30	6-24	18-47
2018/ 9/11	7-48	20-13	6-24	18-46
2018/ 9/12	8-47	20-55	6-25	18-45
2018/ 9/13	9-45	21-37	6-25	18-44
2018/ 9/14	10-40	22-19	6-25	18-43
2018/ 9/15	11-36	23- 3	6-25	18-42
2018/ 9/16	12-29	23-48	6-26	18-41
2018/ 9/17	13-21	-----	6-26	18-40
2018/ 9/18	14-10	0-34	6-26	18-39
2018/ 9/19	14-58	1-23	6-26	18-38
2018/ 9/20	15-43	2-12	6-27	18-37
2018/ 9/21	16-25	3- 3	6-27	18-36
2018/ 9/22	17- 6	3-54	6-27	18-35
2018/ 9/23	17-44	4-45	6-27	18-34
2018/ 9/24	18-21	5-36	6-28	18-33
2018/ 9/25	18-59	6-27	6-28	18-32
2018/ 9/26	19-37	7-20	6-28	18-31
2018/ 9/27	20-15	8-13	6-28	18-30
2018/ 9/28	20-57	9- 8	6-29	18-29
2018/ 9/29	21-42	10- 5	6-29	18-28
2018/ 9/30	22-30	11- 3	6-29	18-27
2018/10/ 1	23-24	12- 3	6-30	18-27
2018/10/ 2	-----	13- 2	6-30	18-26
2018/10/ 3	0-21	14- 0	6-30	18-25
2018/10/ 4	1-22	14-55	6-30	18-24
2018/10/ 5	2-24	15-47	6-31	18-23
2018/10/ 6	3-28	16-35	6-31	18-22
2018/10/ 7	4-30	17-21	6-31	18-21
2018/10/ 8	5-31	18- 4	6-32	18-20
2018/10/ 9	6-30	18-46	6-32	18-19
2018/10/10	7-29	19-28	6-32	18-19
2018/10/11	8-26	20-10	6-33	18-18
2018/10/12	9-23	20-54	6-33	18-17
2018/10/13	10-18	21-40	6-33	18-16
2018/10/14	11-12	22-26	6-34	18-15
2018/10/15	12- 3	23-15	6-34	18-14
2018/10/16	12-52	-----	6-34	18-14
2018/10/17	13-38	0- 5	6-35	18-13
2018/10/18	14-21	0-55	6-35	18-12
2018/10/19	15- 2	1-46	6-35	18-11
2018/10/20	15-42	2-36	6-36	18-11
2018/10/21	16-19	3-28	6-36	18-10
2018/10/22	16-56	4-19	6-37	18- 9
2018/10/23	17-34	5-11	6-37	18- 8
2018/10/24	18-12	6- 5	6-37	18- 8
2018/10/25	18-54	7- 0	6-38	18- 7
2018/10/26	19-38	7-57	6-38	18- 6
2018/10/27	20-26	8-57	6-39	18- 6
2018/10/28	21-19	9-57	6-39	18- 5
2018/10/29	22-16	10-58	6-40	18- 5
2018/10/30	23-16	11-56	6-40	18- 4
2018/10/31	-----	12-52	6-41	18- 3

2018/11/ 1	0-17	13-44	6-41	18- 3
2018/11/ 2	1-19	14-32	6-42	18- 2
2018/11/ 3	2-20	15-17	6-42	18- 2
2018/11/ 4	3-20	15-59	6-43	18- 1
2018/11/ 5	4-17	16-40	6-43	18- 1
2018/11/ 6	5-15	17-22	6-44	18- 0
2018/11/ 7	6-12	18- 3	6-44	18- 0
2018/11/ 8	7- 9	18-46	6-45	18- 0
2018/11/ 9	8- 5	19-31	6-45	17-59
2018/11/10	9- 0	20-17	6-46	17-59
2018/11/11	9-54	21- 6	6-47	17-58
2018/11/12	10-44	21-56	6-47	17-58
2018/11/13	11-32	22-46	6-48	17-58
2018/11/14	12-17	23-37	6-48	17-58
2018/11/15	12-59	-----	6-49	17-57
2018/11/16	13-38	0-27	6-50	17-57
2018/11/17	14-15	1-18	6-50	17-57
2018/11/18	14-52	2- 8	6-51	17-57
2018/11/19	15-29	3- 0	6-51	17-56
2018/11/20	16- 7	3-52	6-52	17-56
2018/11/21	16-47	4-46	6-53	17-56
2018/11/22	17-30	5-44	6-53	17-56
2018/11/23	18-17	6-43	6-54	17-56
2018/11/24	19-10	7-45	6-55	17-56
2018/11/25	20- 7	8-47	6-55	17-56
2018/11/26	21- 8	9-49	6-56	17-56
2018/11/27	22-11	10-48	6-57	17-56
2018/11/28	23-14	11-42	6-57	17-56
2018/11/29	-----	12-32	6-58	17-56
2018/11/30	0-15	13-17	6-59	17-56
2018/12/ 1	1-14	14- 0	6-59	17-56
2018/12/ 2	2-12	14-40	7- 0	17-56
2018/12/ 3	3- 8	15-20	7- 1	17-56
2018/12/ 4	4- 4	16- 0	7- 1	17-56
2018/12/ 5	5- 0	16-41	7- 2	17-56
2018/12/ 6	5-55	17-25	7- 3	17-57
2018/12/ 7	6-50	18-10	7- 3	17-57
2018/12/ 8	7-44	18-58	7- 4	17-57
2018/12/ 9	8-36	19-47	7- 4	17-57
2018/12/10	9-26	20-37	7- 5	17-58
2018/12/11	10-12	21-29	7- 6	17-58
2018/12/12	10-55	22-19	7- 6	17-58
2018/12/13	11-35	23-10	7- 7	17-59
2018/12/14	12-13	23-59	7- 8	17-59
2018/12/15	12-49	-----	7- 8	17-59
2018/12/16	13-25	0-49	7- 9	18- 0
2018/12/17	14- 1	1-40	7- 9	18- 0
2018/12/18	14-39	2-32	7-10	18- 1
2018/12/19	15-20	3-27	7-10	18- 1
2018/12/20	16- 5	4-24	7-11	18- 1
2018/12/21	16-55	5-25	7-11	18- 2
2018/12/22	17-50	6-28	7-12	18- 2
2018/12/23	18-51	7-32	7-12	18- 3
2018/12/24	19-56	8-34	7-13	18- 3
2018/12/25	21- 1	9-33	7-13	18- 4
2018/12/26	22- 5	10-26	7-14	18- 5
2018/12/27	23- 8	11-15	7-14	18- 5
2018/12/28	-----	12- 0	7-15	18- 6
2018/12/29	0- 7	12-41	7-15	18- 6
2018/12/30	1- 4	13-21	7-15	18- 7
2018/12/31	2- 0	14- 1	7-16	18- 7

all times in local time (= UT + 5.5h)