

Station: Machilipatnam

Location: Longitude : 81.15 E Latitude : 16.20 N

Date	Moonrise	Moonset	Sunrise	Sunset
	h. m.	h. m.	h. m.	h. m.
2017/12/27	12-48	0-26	6-31	17-42
2017/12/28	13-32	1-20	6-32	17-42
2017/12/29	14-19	2-16	6-32	17-43
2017/12/30	15-10	3-16	6-32	17-44
2017/12/31	16- 6	4-19	6-33	17-44
2018/ 1/ 1	17- 7	5-24	6-33	17-45
2018/ 1/ 2	18-11	6-28	6-33	17-45
2018/ 1/ 3	19-16	7-31	6-34	17-46
2018/ 1/ 4	20-19	8-28	6-34	17-46
2018/ 1/ 5	21-20	9-22	6-34	17-47
2018/ 1/ 6	22-17	10-10	6-35	17-48
2018/ 1/ 7	23-12	10-55	6-35	17-48
2018/ 1/ 8	-----	11-37	6-35	17-49
2018/ 1/ 9	0- 4	12-17	6-36	17-49
2018/ 1/10	0-54	12-57	6-36	17-50
2018/ 1/11	1-44	13-37	6-36	17-51
2018/ 1/12	2-33	14-18	6-36	17-51
2018/ 1/13	3-22	15- 2	6-36	17-52
2018/ 1/14	4-11	15-47	6-36	17-52
2018/ 1/15	5- 1	16-33	6-37	17-53
2018/ 1/16	5-49	17-22	6-37	17-54
2018/ 1/17	6-35	18-11	6-37	17-54
2018/ 1/18	7-21	19- 1	6-37	17-55
2018/ 1/19	8- 4	19-51	6-37	17-55
2018/ 1/20	8-46	20-41	6-37	17-56
2018/ 1/21	9-27	21-31	6-37	17-56
2018/ 1/22	10- 6	22-21	6-37	17-57
2018/ 1/23	10-47	23-13	6-37	17-58
2018/ 1/24	11-28	-----	6-37	17-58
2018/ 1/25	12-12	0- 7	6-37	17-59
2018/ 1/26	12-59	1- 3	6-37	17-59
2018/ 1/27	13-51	2- 2	6-37	18- 0
2018/ 1/28	14-47	3- 3	6-36	18- 0
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2018/ 1/30	16-52	5- 9	6-36	18- 1
2018/ 1/31	17-56	6- 9	6-36	18- 2
2018/ 2/ 1	18-59	7- 5	6-36	18- 2
2018/ 2/ 2	20- 0	7-57	6-35	18- 3
2018/ 2/ 3	20-58	8-45	6-35	18- 3
2018/ 2/ 4	21-53	9-30	6-35	18- 4
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2018/ 2/ 6	23-37	10-53	6-34	18- 4
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2018/ 2/11	2-56	14-29	6-33	18- 7
2018/ 2/12	3-45	15-17	6-32	18- 7
2018/ 2/13	4-31	16- 6	6-32	18- 7
2018/ 2/14	5-18	16-56	6-31	18- 8
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2018/ 2/21	10-11	22-57	6-28	18-10
2018/ 2/22	10-56	23-54	6-27	18-10
2018/ 2/23	11-45	-----	6-27	18-11
2018/ 2/24	12-37	0-52	6-26	18-11
2018/ 2/25	13-34	1-53	6-26	18-11
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2018/ 3/22	9-42	22-47	6- 8	18-16
2018/ 3/23	10-33	23-47	6- 7	18-17
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2018/ 3/25	12-26	0-46	6- 6	18-17
2018/ 3/26	13-26	1-45	6- 5	18-17
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2018/ 5/29	18-24	5-19	5-33	18-33
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2018/ 6/19	11- 4	23-50	5-34	18-39
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2018/ 6/21	12-54	0-32	5-35	18-40
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2018/ 6/24	15-29	2-35	5-35	18-40
2018/ 6/25	16-20	3-17	5-36	18-41
2018/ 6/26	17-11	4- 1	5-36	18-41
2018/ 6/27	18- 1	4-46	5-36	18-41
2018/ 6/28	18-50	5-33	5-36	18-41
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2018/ 7/ 2	21-49	8-49	5-37	18-41
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2018/ 7/ 4	23- 7	10-27	5-38	18-42
2018/ 7/ 5	23-46	11-16	5-38	18-42
2018/ 7/ 6	-----	12- 6	5-39	18-42
2018/ 7/ 7	0-25	12-58	5-39	18-42
2018/ 7/ 8	1- 7	13-53	5-39	18-42
2018/ 7/ 9	1-52	14-50	5-40	18-42
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2018/ 7/12	4-35	17-58	5-41	18-42
2018/ 7/13	5-39	19- 1	5-41	18-41
2018/ 7/14	6-44	20- 0	5-41	18-41
2018/ 7/15	7-49	20-54	5-41	18-41
2018/ 7/16	8-51	21-44	5-42	18-41
2018/ 7/17	9-51	22-29	5-42	18-41
2018/ 7/18	10-47	23-12	5-42	18-41
2018/ 7/19	11-42	23-54	5-43	18-41
2018/ 7/20	12-34	-----	5-43	18-40
2018/ 7/21	13-26	0-35	5-43	18-40
2018/ 7/22	14-16	1-17	5-44	18-40
2018/ 7/23	15- 7	1-59	5-44	18-40
2018/ 7/24	15-58	2-44	5-44	18-39
2018/ 7/25	16-47	3-30	5-45	18-39
2018/ 7/26	17-36	4-18	5-45	18-39
2018/ 7/27	18-21	5- 7	5-45	18-39
2018/ 7/28	19- 6	5-56	5-45	18-38
2018/ 7/29	19-48	6-46	5-46	18-38
2018/ 7/30	20-28	7-35	5-46	18-38
2018/ 7/31	21- 7	8-24	5-46	18-37
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2018/ 8/ 3	23- 4	10-52	5-47	18-36
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2018/ 8/ 9	3-18	16-41	5-49	18-33
2018/ 8/10	4-22	17-41	5-49	18-33
2018/ 8/11	5-27	18-38	5-49	18-32
2018/ 8/12	6-31	19-31	5-49	18-32
2018/ 8/13	7-34	20-19	5-49	18-31

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

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

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