

Station: Bhubaneswar

Location: Longitude : 85.83 E Latitude : 20.25 N

| Date | Moonrise | Moonset | Sunrise | Sunset |
|------------|----------|---------|---------|--------|
| | h. m. | h. m. | h. m. | h. m. |
| 2016/12/28 | 5-15 | 16-39 | 6-21 | 17-16 |
| 2016/12/29 | 6- 5 | 17-29 | 6-21 | 17-17 |
| 2016/12/30 | 6-54 | 18-19 | 6-21 | 17-17 |
| 2016/12/31 | 7-42 | 19-12 | 6-22 | 17-18 |
| 2017/ 1/ 1 | 8-27 | 20- 6 | 6-22 | 17-19 |
| 2017/ 1/ 2 | 9-12 | 21- 1 | 6-22 | 17-19 |
| 2017/ 1/ 3 | 9-55 | 21-56 | 6-23 | 17-20 |
| 2017/ 1/ 4 | 10-37 | 22-51 | 6-23 | 17-20 |
| 2017/ 1/ 5 | 11-19 | 23-48 | 6-23 | 17-21 |
| 2017/ 1/ 6 | 12- 2 | ----- | 6-23 | 17-22 |
| 2017/ 1/ 7 | 12-48 | 0-46 | 6-24 | 17-22 |
| 2017/ 1/ 8 | 13-37 | 1-46 | 6-24 | 17-23 |
| 2017/ 1/ 9 | 14-29 | 2-48 | 6-24 | 17-24 |
| 2017/ 1/10 | 15-26 | 3-51 | 6-24 | 17-24 |
| 2017/ 1/11 | 16-25 | 4-54 | 6-24 | 17-25 |
| 2017/ 1/12 | 17-27 | 5-54 | 6-24 | 17-26 |
| 2017/ 1/13 | 18-27 | 6-51 | 6-25 | 17-26 |
| 2017/ 1/14 | 19-27 | 7-43 | 6-25 | 17-27 |
| 2017/ 1/15 | 20-24 | 8-30 | 6-25 | 17-28 |
| 2017/ 1/16 | 21-19 | 9-13 | 6-25 | 17-28 |
| 2017/ 1/17 | 22-10 | 9-54 | 6-25 | 17-29 |
| 2017/ 1/18 | 23- 1 | 10-32 | 6-25 | 17-30 |
| 2017/ 1/19 | 23-51 | 11-10 | 6-25 | 17-30 |
| 2017/ 1/20 | ----- | 11-47 | 6-25 | 17-31 |
| 2017/ 1/21 | 0-39 | 12-25 | 6-25 | 17-32 |
| 2017/ 1/22 | 1-29 | 13- 6 | 6-24 | 17-32 |
| 2017/ 1/23 | 2-18 | 13-49 | 6-24 | 17-33 |
| 2017/ 1/24 | 3- 8 | 14-33 | 6-24 | 17-34 |
| 2017/ 1/25 | 3-58 | 15-22 | 6-24 | 17-34 |
| 2017/ 1/26 | 4-47 | 16-12 | 6-24 | 17-35 |
| 2017/ 1/27 | 5-36 | 17- 5 | 6-24 | 17-35 |
| 2017/ 1/28 | 6-23 | 17-59 | 6-23 | 17-36 |
| 2017/ 1/29 | 7- 9 | 18-55 | 6-23 | 17-37 |
| 2017/ 1/30 | 7-54 | 19-51 | 6-23 | 17-37 |
| 2017/ 1/31 | 8-37 | 20-47 | 6-23 | 17-38 |
| 2017/ 2/ 1 | 9-20 | 21-44 | 6-22 | 17-38 |
| 2017/ 2/ 2 | 10- 2 | 22-41 | 6-22 | 17-39 |
| 2017/ 2/ 3 | 10-47 | 23-40 | 6-22 | 17-40 |
| 2017/ 2/ 4 | 11-33 | ----- | 6-21 | 17-40 |
| 2017/ 2/ 5 | 12-22 | 0-39 | 6-21 | 17-41 |
| 2017/ 2/ 6 | 13-16 | 1-40 | 6-20 | 17-41 |
| 2017/ 2/ 7 | 14-12 | 2-40 | 6-20 | 17-42 |
| 2017/ 2/ 8 | 15-11 | 3-40 | 6-20 | 17-42 |
| 2017/ 2/ 9 | 16-10 | 4-37 | 6-19 | 17-43 |
| 2017/ 2/10 | 17-10 | 5-30 | 6-19 | 17-43 |
| 2017/ 2/11 | 18- 8 | 6-19 | 6-18 | 17-44 |
| 2017/ 2/12 | 19- 5 | 7- 5 | 6-18 | 17-44 |
| 2017/ 2/13 | 19-58 | 7-47 | 6-17 | 17-45 |
| 2017/ 2/14 | 20-50 | 8-27 | 6-17 | 17-45 |
| 2017/ 2/15 | 21-41 | 9- 5 | 6-16 | 17-46 |
| 2017/ 2/16 | 22-31 | 9-44 | 6-15 | 17-46 |
| 2017/ 2/17 | 23-20 | 10-22 | 6-15 | 17-47 |
| 2017/ 2/18 | ----- | 11- 2 | 6-14 | 17-47 |
| 2017/ 2/19 | 0-10 | 11-43 | 6-14 | 17-48 |
| 2017/ 2/20 | 0-59 | 12-26 | 6-13 | 17-48 |
| 2017/ 2/21 | 1-49 | 13-13 | 6-12 | 17-49 |
| 2017/ 2/22 | 2-38 | 14- 2 | 6-12 | 17-49 |
| 2017/ 2/23 | 3-27 | 14-54 | 6-11 | 17-49 |
| 2017/ 2/24 | 4-15 | 15-48 | 6-10 | 17-50 |
| 2017/ 2/25 | 5- 2 | 16-43 | 6-10 | 17-50 |
| 2017/ 2/26 | 5-48 | 17-40 | 6- 9 | 17-51 |
| 2017/ 2/27 | 6-32 | 18-37 | 6- 8 | 17-51 |
| 2017/ 2/28 | 7-16 | 19-36 | 6- 7 | 17-51 |
| 2017/ 3/ 1 | 8- 0 | 20-34 | 6- 7 | 17-52 |

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

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

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

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

| | | | | |
|------------|-------|-------|------|-------|
| 2017/12/11 | 0- 5 | 12-39 | 6-12 | 17- 8 |
| 2017/12/12 | 0-58 | 13-18 | 6-12 | 17- 8 |
| 2017/12/13 | 1-50 | 13-56 | 6-13 | 17- 9 |
| 2017/12/14 | 2-41 | 14-34 | 6-14 | 17- 9 |
| 2017/12/15 | 3-32 | 15-14 | 6-14 | 17- 9 |
| 2017/12/16 | 4-22 | 15-55 | 6-15 | 17-10 |
| 2017/12/17 | 5-13 | 16-38 | 6-15 | 17-10 |
| 2017/12/18 | 6- 2 | 17-23 | 6-16 | 17-11 |
| 2017/12/19 | 6-52 | 18-10 | 6-16 | 17-11 |
| 2017/12/20 | 7-39 | 18-59 | 6-17 | 17-12 |
| 2017/12/21 | 8-25 | 19-49 | 6-17 | 17-12 |
| 2017/12/22 | 9- 9 | 20-39 | 6-18 | 17-13 |
| 2017/12/23 | 9-50 | 21-31 | 6-18 | 17-13 |
| 2017/12/24 | 10-30 | 22-21 | 6-19 | 17-14 |
| 2017/12/25 | 11- 9 | 23-14 | 6-19 | 17-14 |
| 2017/12/26 | 11-48 | ----- | 6-20 | 17-15 |
| 2017/12/27 | 12-28 | 0- 7 | 6-20 | 17-15 |
| 2017/12/28 | 13-11 | 1- 2 | 6-21 | 17-16 |
| 2017/12/29 | 13-56 | 2- 0 | 6-21 | 17-17 |
| 2017/12/30 | 14-45 | 3- 1 | 6-21 | 17-17 |
| 2017/12/31 | 15-41 | 4- 5 | 6-22 | 17-18 |

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