

Station: Cannanore

Location: Longitude : 75.33 E Latitude : 11.83 N

| Date       | Moonrise | Moonset | Sunrise | Sunset |
|------------|----------|---------|---------|--------|
|            | h. m.    | h. m.   | h. m.   | h. m.  |
| 2019/12/27 | 7-36     | 19-20   | 6-46    | 18-12  |
| 2019/12/28 | 8-29     | 20-13   | 6-47    | 18-13  |
| 2019/12/29 | 9-18     | 21- 6   | 6-47    | 18-13  |
| 2019/12/30 | 10- 2    | 21-55   | 6-48    | 18-14  |
| 2019/12/31 | 10-44    | 22-43   | 6-48    | 18-15  |
| 2020/ 1/ 1 | 11-23    | 23-29   | 6-48    | 18-15  |
| 2020/ 1/ 2 | 12- 0    | -----   | 6-49    | 18-16  |
| 2020/ 1/ 3 | 12-37    | 0-14    | 6-49    | 18-16  |
| 2020/ 1/ 4 | 13-14    | 0-59    | 6-50    | 18-17  |
| 2020/ 1/ 5 | 13-53    | 1-45    | 6-50    | 18-17  |
| 2020/ 1/ 6 | 14-33    | 2-33    | 6-50    | 18-18  |
| 2020/ 1/ 7 | 15-19    | 3-24    | 6-51    | 18-18  |
| 2020/ 1/ 8 | 16- 8    | 4-17    | 6-51    | 18-19  |
| 2020/ 1/ 9 | 17- 2    | 5-14    | 6-51    | 18-20  |
| 2020/ 1/10 | 18- 0    | 6-12    | 6-52    | 18-20  |
| 2020/ 1/11 | 19- 1    | 7-12    | 6-52    | 18-21  |
| 2020/ 1/12 | 20- 3    | 8- 9    | 6-52    | 18-21  |
| 2020/ 1/13 | 21- 4    | 9- 4    | 6-52    | 18-22  |
| 2020/ 1/14 | 22- 3    | 9-55    | 6-53    | 18-22  |
| 2020/ 1/15 | 22-59    | 10-42   | 6-53    | 18-23  |
| 2020/ 1/16 | 23-55    | 11-29   | 6-53    | 18-23  |
| 2020/ 1/17 | -----    | 12-13   | 6-53    | 18-24  |
| 2020/ 1/18 | 0-49     | 12-58   | 6-53    | 18-24  |
| 2020/ 1/19 | 1-44     | 13-45   | 6-53    | 18-25  |
| 2020/ 1/20 | 2-39     | 14-33   | 6-53    | 18-25  |
| 2020/ 1/21 | 3-36     | 15-24   | 6-54    | 18-26  |
| 2020/ 1/22 | 4-32     | 16-16   | 6-54    | 18-26  |
| 2020/ 1/23 | 5-27     | 17-10   | 6-54    | 18-27  |
| 2020/ 1/24 | 6-20     | 18- 4   | 6-54    | 18-27  |
| 2020/ 1/25 | 7-10     | 18-57   | 6-54    | 18-28  |
| 2020/ 1/26 | 7-57     | 19-48   | 6-54    | 18-28  |
| 2020/ 1/27 | 8-39     | 20-36   | 6-54    | 18-29  |
| 2020/ 1/28 | 9-20     | 21-23   | 6-54    | 18-29  |
| 2020/ 1/29 | 9-57     | 22- 8   | 6-54    | 18-29  |
| 2020/ 1/30 | 10-34    | 22-53   | 6-54    | 18-30  |
| 2020/ 1/31 | 11-11    | 23-38   | 6-54    | 18-30  |
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| 2020/ 2/ 6 | 15-42    | 3-54    | 6-53    | 18-33  |
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| 2020/ 2/ 8 | 17-44    | 5-52    | 6-52    | 18-33  |
| 2020/ 2/ 9 | 18-47    | 6-49    | 6-52    | 18-34  |

|            |       |       |      |       |
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| 2020/ 2/10 | 19-48 | 7-43  | 6-52 | 18-34 |
| 2020/ 2/11 | 20-48 | 8-34  | 6-52 | 18-34 |
| 2020/ 2/12 | 21-46 | 9-22  | 6-51 | 18-34 |
| 2020/ 2/13 | 22-42 | 10- 9 | 6-51 | 18-35 |
| 2020/ 2/14 | 23-39 | 10-55 | 6-51 | 18-35 |
| 2020/ 2/15 | ----- | 11-42 | 6-50 | 18-35 |
| 2020/ 2/16 | 0-35  | 12-30 | 6-50 | 18-35 |
| 2020/ 2/17 | 1-32  | 13-21 | 6-50 | 18-36 |
| 2020/ 2/18 | 2-27  | 14-12 | 6-49 | 18-36 |
| 2020/ 2/19 | 3-23  | 15- 5 | 6-49 | 18-36 |
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| 2020/ 2/21 | 5- 6  | 16-51 | 6-48 | 18-37 |
| 2020/ 2/22 | 5-53  | 17-42 | 6-48 | 18-37 |
| 2020/ 2/23 | 6-36  | 18-31 | 6-47 | 18-37 |
| 2020/ 2/24 | 7-18  | 19-18 | 6-47 | 18-37 |
| 2020/ 2/25 | 7-56  | 20- 4 | 6-46 | 18-37 |
| 2020/ 2/26 | 8-33  | 20-49 | 6-46 | 18-37 |
| 2020/ 2/27 | 9-10  | 21-34 | 6-45 | 18-38 |
| 2020/ 2/28 | 9-46  | 22-19 | 6-45 | 18-38 |
| 2020/ 2/29 | 10-24 | 23- 6 | 6-44 | 18-38 |
| 2020/ 3/ 1 | 11- 4 | 23-55 | 6-44 | 18-38 |
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| 2020/ 3/ 3 | 12-35 | 0-46  | 6-43 | 18-38 |
| 2020/ 3/ 4 | 13-27 | 1-40  | 6-42 | 18-38 |
| 2020/ 3/ 5 | 14-23 | 2-36  | 6-42 | 18-38 |
| 2020/ 3/ 6 | 15-23 | 3-34  | 6-41 | 18-39 |
| 2020/ 3/ 7 | 16-25 | 4-31  | 6-40 | 18-39 |
| 2020/ 3/ 8 | 17-27 | 5-26  | 6-40 | 18-39 |
| 2020/ 3/ 9 | 18-28 | 6-19  | 6-39 | 18-39 |
| 2020/ 3/10 | 19-29 | 7- 9  | 6-39 | 18-39 |
| 2020/ 3/11 | 20-27 | 7-58  | 6-38 | 18-39 |
| 2020/ 3/12 | 21-27 | 8-46  | 6-37 | 18-39 |
| 2020/ 3/13 | 22-25 | 9-35  | 6-37 | 18-39 |
| 2020/ 3/14 | 23-24 | 10-24 | 6-36 | 18-39 |
| 2020/ 3/15 | ----- | 11-15 | 6-36 | 18-39 |
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| 2020/ 3/21 | 4-36  | 16-28 | 6-32 | 18-39 |
| 2020/ 3/22 | 5-17  | 17-16 | 6-31 | 18-39 |
| 2020/ 3/23 | 5-56  | 18- 2 | 6-31 | 18-39 |
| 2020/ 3/24 | 6-33  | 18-46 | 6-30 | 18-39 |
| 2020/ 3/25 | 7-10  | 19-32 | 6-29 | 18-40 |
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| 2020/ 3/28 | 9- 3  | 21-51 | 6-27 | 18-40 |
| 2020/ 3/29 | 9-45  | 22-41 | 6-27 | 18-40 |
| 2020/ 3/30 | 10-30 | 23-33 | 6-26 | 18-40 |
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| 2020/ 4/16 | 1-50  | 13-35 | 6-16 | 18-40 |
| 2020/ 4/17 | 2-35  | 14-25 | 6-16 | 18-41 |
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| 2020/ 4/19 | 3-57  | 15-59 | 6-15 | 18-41 |
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| 2020/ 4/21 | 5-11  | 17-30 | 6-14 | 18-41 |
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| 2020/ 5/ 5 | 16-48 | 4-19  | 6- 8 | 18-43 |
| 2020/ 5/ 6 | 17-48 | 5- 7  | 6- 7 | 18-43 |
| 2020/ 5/ 7 | 18-47 | 5-56  | 6- 7 | 18-43 |
| 2020/ 5/ 8 | 19-49 | 6-47  | 6- 7 | 18-44 |
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| 2020/ 5/11 | 22-49 | 9-35  | 6- 6 | 18-44 |
| 2020/ 5/12 | 23-42 | 10-32 | 6- 6 | 18-44 |
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| 2020/ 5/15 | 1-15  | 13- 9 | 6- 5 | 18-45 |
| 2020/ 5/16 | 1-56  | 13-56 | 6- 5 | 18-45 |
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| 2020/ 5/22 | 5-42  | 18-33 | 6- 4 | 18-47 |
| 2020/ 5/23 | 6-25  | 19-25 | 6- 4 | 18-47 |

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| 2020/ 5/28 | 10-51 | 23-53 | 6- 3 | 18-49 |
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| 2020/ 6/18 | 3-39  | 16-26 | 6- 5 | 18-54 |
| 2020/ 6/19 | 4-20  | 17-18 | 6- 5 | 18-55 |
| 2020/ 6/20 | 5- 7  | 18-11 | 6- 6 | 18-55 |
| 2020/ 6/21 | 5-57  | 19- 6 | 6- 6 | 18-55 |
| 2020/ 6/22 | 6-51  | 20- 2 | 6- 6 | 18-55 |
| 2020/ 6/23 | 7-48  | 20-57 | 6- 6 | 18-56 |
| 2020/ 6/24 | 8-46  | 21-50 | 6- 7 | 18-56 |
| 2020/ 6/25 | 9-44  | 22-40 | 6- 7 | 18-56 |
| 2020/ 6/26 | 10-41 | 23-27 | 6- 7 | 18-56 |
| 2020/ 6/27 | 11-37 | ----- | 6- 7 | 18-56 |
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| 2020/ 7/ 1 | 15-19 | 2-27  | 6- 8 | 18-57 |
| 2020/ 7/ 2 | 16-18 | 3-17  | 6- 9 | 18-57 |
| 2020/ 7/ 3 | 17-19 | 4- 9  | 6- 9 | 18-57 |
| 2020/ 7/ 4 | 18-19 | 5- 5  | 6- 9 | 18-57 |
| 2020/ 7/ 5 | 19-17 | 6- 2  | 6- 9 | 18-57 |
| 2020/ 7/ 6 | 20-11 | 7- 0  | 6-10 | 18-57 |
| 2020/ 7/ 7 | 21- 1 | 7-56  | 6-10 | 18-57 |
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| 2020/ 7/10 | 23- 6 | 10-29 | 6-11 | 18-57 |
| 2020/ 7/11 | 23-43 | 11-15 | 6-11 | 18-57 |
| 2020/ 7/12 | ----- | 12- 0 | 6-11 | 18-57 |
| 2020/ 7/13 | 0-19  | 12-45 | 6-11 | 18-57 |
| 2020/ 7/14 | 0-56  | 13-31 | 6-12 | 18-57 |

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| 2020/ 7/15 | 1-34  | 14-18 | 6-12 | 18-57 |
| 2020/ 7/16 | 2-14  | 15- 8 | 6-12 | 18-57 |
| 2020/ 7/17 | 2-59  | 16- 0 | 6-12 | 18-57 |
| 2020/ 7/18 | 3-47  | 16-55 | 6-13 | 18-57 |
| 2020/ 7/19 | 4-40  | 17-51 | 6-13 | 18-57 |
| 2020/ 7/20 | 5-37  | 18-47 | 6-13 | 18-57 |
| 2020/ 7/21 | 6-35  | 19-43 | 6-13 | 18-57 |
| 2020/ 7/22 | 7-35  | 20-34 | 6-14 | 18-56 |
| 2020/ 7/23 | 8-34  | 21-24 | 6-14 | 18-56 |
| 2020/ 7/24 | 9-32  | 22-10 | 6-14 | 18-56 |
| 2020/ 7/25 | 10-27 | 22-56 | 6-14 | 18-56 |
| 2020/ 7/26 | 11-23 | 23-41 | 6-15 | 18-56 |
| 2020/ 7/27 | 12-18 | ----- | 6-15 | 18-55 |
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| 2020/ 7/29 | 14-11 | 1-13  | 6-15 | 18-55 |
| 2020/ 7/30 | 15-10 | 2- 3  | 6-15 | 18-55 |
| 2020/ 7/31 | 16- 9 | 2-57  | 6-16 | 18-54 |
| 2020/ 8/ 1 | 17- 7 | 3-52  | 6-16 | 18-54 |
| 2020/ 8/ 2 | 18- 2 | 4-49  | 6-16 | 18-54 |
| 2020/ 8/ 3 | 18-53 | 5-46  | 6-16 | 18-53 |
| 2020/ 8/ 4 | 19-40 | 6-40  | 6-16 | 18-53 |
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| 2020/ 8/11 | ----- | 12-10 | 6-17 | 18-50 |
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| 2020/ 8/13 | 0-51  | 13-49 | 6-17 | 18-49 |
| 2020/ 8/14 | 1-37  | 14-42 | 6-17 | 18-49 |
| 2020/ 8/15 | 2-27  | 15-38 | 6-18 | 18-48 |
| 2020/ 8/16 | 3-22  | 16-33 | 6-18 | 18-48 |
| 2020/ 8/17 | 4-20  | 17-30 | 6-18 | 18-47 |
| 2020/ 8/18 | 5-20  | 18-23 | 6-18 | 18-47 |
| 2020/ 8/19 | 6-20  | 19-15 | 6-18 | 18-46 |
| 2020/ 8/20 | 7-20  | 20- 4 | 6-18 | 18-46 |
| 2020/ 8/21 | 8-18  | 20-51 | 6-18 | 18-45 |
| 2020/ 8/22 | 9-15  | 21-37 | 6-18 | 18-45 |
| 2020/ 8/23 | 10-12 | 22-23 | 6-18 | 18-44 |
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| 2020/ 8/25 | 12- 7 | ----- | 6-18 | 18-43 |
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| 2020/ 9/ 3 | 19-38 | 7- 3  | 6-18 | 18-37 |
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| 2020/ 9/ 5 | 20-51 | 8-34  | 6-18 | 18-36 |
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| 2020/ 9/10 | ----- | 12-32 | 6-18 | 18-33 |
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| 2020/ 9/12 | 1- 9  | 14-20 | 6-18 | 18-31 |
| 2020/ 9/13 | 2- 4  | 15-15 | 6-18 | 18-31 |
| 2020/ 9/14 | 3- 2  | 16- 9 | 6-18 | 18-30 |
| 2020/ 9/15 | 4- 2  | 17- 1 | 6-18 | 18-29 |
| 2020/ 9/16 | 5- 2  | 17-52 | 6-18 | 18-28 |
| 2020/ 9/17 | 6- 1  | 18-40 | 6-18 | 18-28 |
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| 2020/ 9/21 | 9-57  | 21-54 | 6-18 | 18-25 |
| 2020/ 9/22 | 10-57 | 22-47 | 6-18 | 18-24 |
| 2020/ 9/23 | 11-58 | 23-43 | 6-18 | 18-24 |
| 2020/ 9/24 | 12-57 | ----- | 6-18 | 18-23 |
| 2020/ 9/25 | 13-53 | 0-38  | 6-18 | 18-22 |
| 2020/ 9/26 | 14-45 | 1-35  | 6-18 | 18-22 |
| 2020/ 9/27 | 15-34 | 2-29  | 6-17 | 18-21 |
| 2020/ 9/28 | 16-18 | 3-22  | 6-17 | 18-20 |
| 2020/ 9/29 | 16-59 | 4-12  | 6-17 | 18-20 |
| 2020/ 9/30 | 17-38 | 5- 0  | 6-17 | 18-19 |
| 2020/10/ 1 | 18-14 | 5-47  | 6-17 | 18-18 |
| 2020/10/ 2 | 18-51 | 6-31  | 6-17 | 18-18 |
| 2020/10/ 3 | 19-27 | 7-17  | 6-17 | 18-17 |
| 2020/10/ 4 | 20- 4 | 8- 2  | 6-18 | 18-17 |
| 2020/10/ 5 | 20-44 | 8-48  | 6-18 | 18-16 |
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| 2020/10/15 | 4-41  | 17-14 | 6-18 | 18-10 |
| 2020/10/16 | 5-39  | 18- 2 | 6-18 | 18-10 |
| 2020/10/17 | 6-38  | 18-50 | 6-18 | 18- 9 |
| 2020/10/18 | 7-40  | 19-42 | 6-18 | 18- 9 |
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| 2020/10/24 | 13-32 | 0-24  | 6-19 | 18- 6 |
| 2020/10/25 | 14-18 | 1-19  | 6-19 | 18- 6 |
| 2020/10/26 | 15- 0 | 2- 9  | 6-20 | 18- 5 |

|            |       |       |      |       |
|------------|-------|-------|------|-------|
| 2020/10/27 | 15-39 | 2-58  | 6-20 | 18- 5 |
| 2020/10/28 | 16-15 | 3-45  | 6-20 | 18- 4 |
| 2020/10/29 | 16-51 | 4-29  | 6-20 | 18- 4 |
| 2020/10/30 | 17-28 | 5-14  | 6-20 | 18- 4 |
| 2020/10/31 | 18- 4 | 5-59  | 6-21 | 18- 3 |
| 2020/11/ 1 | 18-43 | 6-45  | 6-21 | 18- 3 |
| 2020/11/ 2 | 19-25 | 7-33  | 6-21 | 18- 3 |
| 2020/11/ 3 | 20- 9 | 8-22  | 6-21 | 18- 3 |
| 2020/11/ 4 | 20-56 | 9-14  | 6-22 | 18- 2 |
| 2020/11/ 5 | 21-48 | 10- 6 | 6-22 | 18- 2 |
| 2020/11/ 6 | 22-41 | 10-59 | 6-22 | 18- 2 |
| 2020/11/ 7 | 23-37 | 11-51 | 6-23 | 18- 2 |
| 2020/11/ 8 | ----- | 12-41 | 6-23 | 18- 2 |
| 2020/11/ 9 | 0-32  | 13-30 | 6-23 | 18- 1 |
| 2020/11/10 | 1-29  | 14-17 | 6-24 | 18- 1 |
| 2020/11/11 | 2-25  | 15- 3 | 6-24 | 18- 1 |
| 2020/11/12 | 3-22  | 15-49 | 6-24 | 18- 1 |
| 2020/11/13 | 4-19  | 16-36 | 6-25 | 18- 1 |
| 2020/11/14 | 5-18  | 17-25 | 6-25 | 18- 1 |
| 2020/11/15 | 6-19  | 18-17 | 6-26 | 18- 1 |
| 2020/11/16 | 7-23  | 19-14 | 6-26 | 18- 1 |
| 2020/11/17 | 8-27  | 20-13 | 6-26 | 18- 1 |
| 2020/11/18 | 9-31  | 21-14 | 6-27 | 18- 1 |
| 2020/11/19 | 10-30 | 22-13 | 6-27 | 18- 1 |
| 2020/11/20 | 11-25 | 23-10 | 6-28 | 18- 1 |
| 2020/11/21 | 12-14 | ----- | 6-28 | 18- 1 |
| 2020/11/22 | 12-58 | 0- 4  | 6-29 | 18- 1 |
| 2020/11/23 | 13-38 | 0-54  | 6-29 | 18- 1 |
| 2020/11/24 | 14-16 | 1-42  | 6-30 | 18- 1 |
| 2020/11/25 | 14-52 | 2-27  | 6-30 | 18- 1 |
| 2020/11/26 | 15-28 | 3-12  | 6-31 | 18- 1 |
| 2020/11/27 | 16- 4 | 3-56  | 6-31 | 18- 1 |
| 2020/11/28 | 16-42 | 4-42  | 6-32 | 18- 2 |
| 2020/11/29 | 17-23 | 5-29  | 6-32 | 18- 2 |
| 2020/11/30 | 18- 6 | 6-18  | 6-33 | 18- 2 |
| 2020/12/ 1 | 18-53 | 7- 9  | 6-33 | 18- 2 |
| 2020/12/ 2 | 19-44 | 8- 2  | 6-34 | 18- 2 |
| 2020/12/ 3 | 20-37 | 8-55  | 6-34 | 18- 3 |
| 2020/12/ 4 | 21-32 | 9-48  | 6-35 | 18- 3 |
| 2020/12/ 5 | 22-27 | 10-39 | 6-35 | 18- 3 |
| 2020/12/ 6 | 23-23 | 11-28 | 6-36 | 18- 4 |
| 2020/12/ 7 | ----- | 12-13 | 6-36 | 18- 4 |
| 2020/12/ 8 | 0-17  | 12-58 | 6-37 | 18- 4 |
| 2020/12/ 9 | 1-11  | 13-42 | 6-37 | 18- 5 |
| 2020/12/10 | 2- 6  | 14-26 | 6-38 | 18- 5 |
| 2020/12/11 | 3- 2  | 15-13 | 6-38 | 18- 5 |
| 2020/12/12 | 4- 0  | 16- 2 | 6-39 | 18- 6 |
| 2020/12/13 | 5- 1  | 16-55 | 6-40 | 18- 6 |
| 2020/12/14 | 6- 5  | 17-53 | 6-40 | 18- 7 |
| 2020/12/15 | 7- 9  | 18-53 | 6-41 | 18- 7 |
| 2020/12/16 | 8-12  | 19-55 | 6-41 | 18- 7 |
| 2020/12/17 | 9-11  | 20-55 | 6-42 | 18- 8 |

|            |       |       |      |       |
|------------|-------|-------|------|-------|
| 2020/12/18 | 10- 4 | 21-52 | 6-42 | 18- 8 |
| 2020/12/19 | 10-51 | 22-45 | 6-43 | 18- 9 |
| 2020/12/20 | 11-34 | 23-35 | 6-43 | 18- 9 |
| 2020/12/21 | 12-13 | ----- | 6-44 | 18-10 |
| 2020/12/22 | 12-51 | 0-21  | 6-44 | 18-10 |
| 2020/12/23 | 13-27 | 1- 7  | 6-45 | 18-11 |
| 2020/12/24 | 14- 3 | 1-52  | 6-45 | 18-11 |
| 2020/12/25 | 14-40 | 2-37  | 6-46 | 18-12 |
| 2020/12/26 | 15-20 | 3-24  | 6-46 | 18-12 |
| 2020/12/27 | 16- 2 | 4-11  | 6-47 | 18-13 |
| 2020/12/28 | 16-48 | 5- 2  | 6-47 | 18-13 |
| 2020/12/29 | 17-38 | 5-55  | 6-48 | 18-14 |
| 2020/12/30 | 18-30 | 6-49  | 6-48 | 18-14 |
| 2020/12/31 | 19-26 | 7-43  | 6-48 | 18-15 |

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