

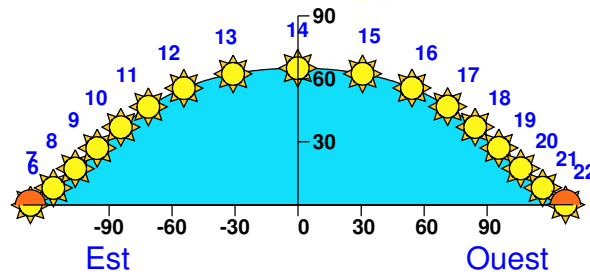
# Calendrier solaire 2018

Produit par *ScientiDev*  
www.scientidev.fr

Mamers

0.37°E, 48.35°N

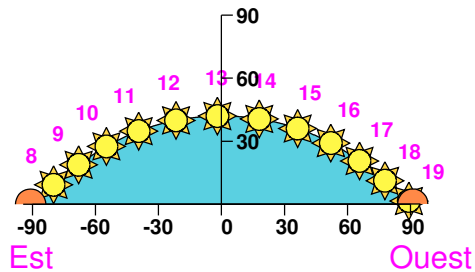
Été



21 Juin

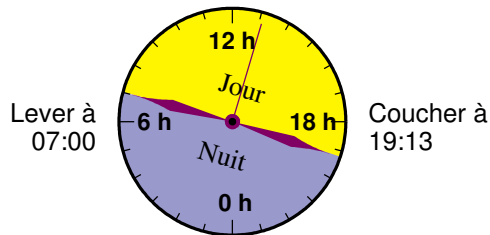


Printemps



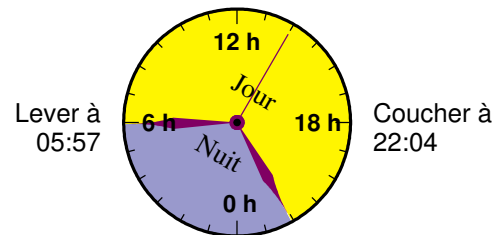
21 Mars

Durée jour: 12:13



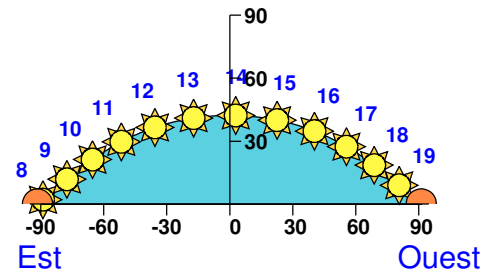
Équinoxe de printemps

Durée jour: 16:06



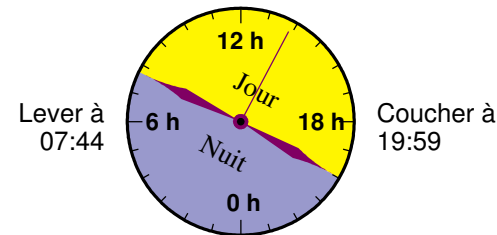
Solstice d'été

Automne



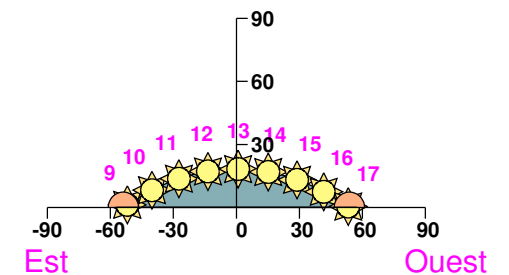
21 Sept.

Durée jour: 12:16



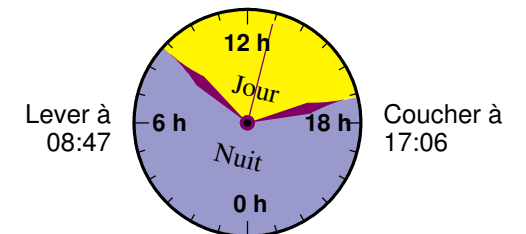
Équinoxe d'automne

Hiver



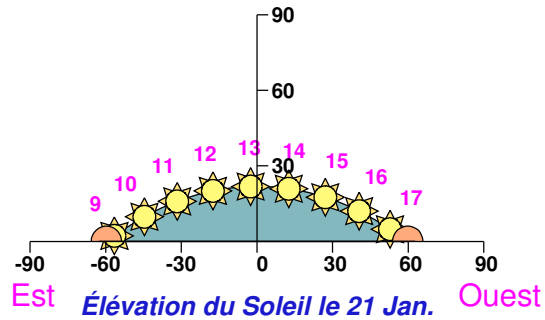
21 Déc.

Durée jour: 8:19

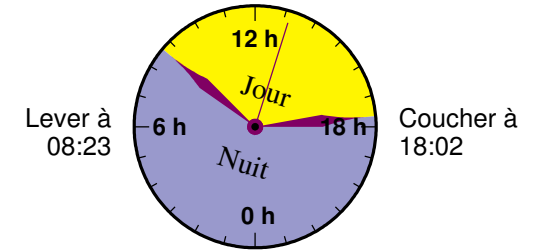


Solstice d'hiver

# Janvier 2018



**Mamers**  
0.37°E, 48.35°N

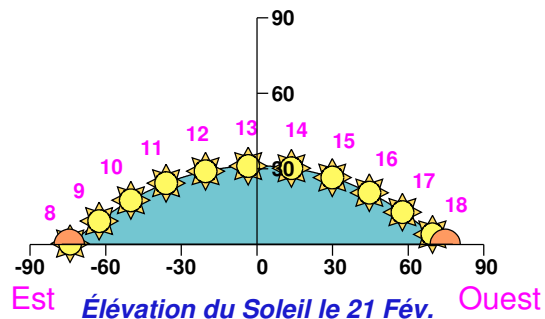


Durée du jour le 21 Janvier

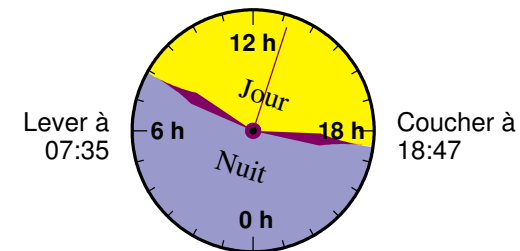
Levers et couchers du Soleil à Mamers (TL  $\pm$  1 mn) et élévation maximale du Soleil (°)

|   | Lundi                                                           | Mardi                                                           | Mercredi                                                        | Jeudi                                                           | Vendredi                                                        | Samedi                                                          | Dimanche                                                        |
|---|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 1 | <b>1</b> 1 - 364<br>08:50 - 17:15 19°<br><input type="text"/>   | <b>2</b> 2 - 363<br>08:50 - 17:16 19°<br><input type="text"/>   | <b>3</b> 3 - 362<br>08:50 - 17:17 19°<br><input type="text"/>   | <b>4</b> 4 - 361<br>08:50 - 17:18 19°<br><input type="text"/>   | <b>5</b> 5 - 360<br>08:50 - 17:19 19°<br><input type="text"/>   | <b>6</b> 6 - 359<br>08:49 - 17:20 19°<br><input type="text"/>   | <b>7</b> 7 - 358<br>08:49 - 17:21 19°<br><input type="text"/>   |
| 2 | <b>8</b> 8 - 357<br>08:49 - 17:22 19°<br><input type="text"/>   | <b>9</b> 9 - 356<br>08:48 - 17:24 20°<br><input type="text"/>   | <b>10</b> 10 - 355<br>08:48 - 17:25 20°<br><input type="text"/> | <b>11</b> 11 - 354<br>08:47 - 17:26 20°<br><input type="text"/> | <b>12</b> 12 - 353<br>08:47 - 17:27 20°<br><input type="text"/> | <b>13</b> 13 - 352<br>08:46 - 17:29 20°<br><input type="text"/> | <b>14</b> 14 - 351<br>08:46 - 17:30 20°<br><input type="text"/> |
| 3 | <b>15</b> 15 - 350<br>08:45 - 17:32 21°<br><input type="text"/> | <b>16</b> 16 - 349<br>08:44 - 17:33 21°<br><input type="text"/> | <b>17</b> 17 - 348<br>08:44 - 17:34 21°<br><input type="text"/> | <b>18</b> 18 - 347<br>08:43 - 17:36 21°<br><input type="text"/> | <b>19</b> 19 - 346<br>08:42 - 17:37 21°<br><input type="text"/> | <b>20</b> 20 - 345<br>08:41 - 17:39 22°<br><input type="text"/> | <b>21</b> 21 - 344<br>08:40 - 17:40 22°<br><input type="text"/> |
| 4 | <b>22</b> 22 - 343<br>08:39 - 17:42 22°<br><input type="text"/> | <b>23</b> 23 - 342<br>08:38 - 17:43 22°<br><input type="text"/> | <b>24</b> 24 - 341<br>08:37 - 17:45 23°<br><input type="text"/> | <b>25</b> 25 - 340<br>08:36 - 17:46 23°<br><input type="text"/> | <b>26</b> 26 - 339<br>08:35 - 17:48 23°<br><input type="text"/> | <b>27</b> 27 - 338<br>08:34 - 17:50 23°<br><input type="text"/> | <b>28</b> 28 - 337<br>08:33 - 17:51 24°<br><input type="text"/> |
| 5 | <b>29</b> 29 - 336<br>08:31 - 17:53 24°<br><input type="text"/> | <b>30</b> 30 - 335<br>08:30 - 17:54 24°<br><input type="text"/> | <b>31</b> 31 - 334<br>08:29 - 17:56 24°<br><input type="text"/> |                                                                 |                                                                 |                                                                 |                                                                 |

# Février 2018



**Mamers**  
0.37°E, 48.35°N



Durée du jour le 21 Février

Levers et couchers du Soleil à Mamers (TL  $\pm$  1 mn) et élévation maximale du Soleil (°)

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

5

|                                        |                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>1</b> 32 - 333<br>08:28 - 17:58 25° | <b>2</b> 33 - 332<br>08:26 - 17:59 25° | <b>3</b> 34 - 331<br>08:25 - 18:01 25° | <b>4</b> 35 - 330<br>08:23 - 18:02 26° |
|                                        |                                        |                                        |                                        |

6

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|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>5</b> 36 - 329<br>08:22 - 18:04 26° | <b>6</b> 37 - 328<br>08:20 - 18:06 26° | <b>7</b> 38 - 327<br>08:19 - 18:07 26° | <b>8</b> 39 - 326<br>08:17 - 18:09 27° | <b>9</b> 40 - 325<br>08:16 - 18:11 27° | <b>10</b> 41 - 324<br>08:14 - 18:12 27° | <b>11</b> 42 - 323<br>08:13 - 18:14 28° |
|                                        |                                        |                                        |                                        |                                        |                                         |                                         |

7

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|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>12</b> 43 - 322<br>08:11 - 18:15 28° | <b>13</b> 44 - 321<br>08:09 - 18:17 28° | <b>14</b> 45 - 320<br>08:08 - 18:19 29° | <b>15</b> 46 - 319<br>08:06 - 18:20 29° | <b>16</b> 47 - 318<br>08:04 - 18:22 29° | <b>17</b> 48 - 317<br>08:03 - 18:23 30° | <b>18</b> 49 - 316<br>08:01 - 18:25 30° |
|                                         |                                         |                                         |                                         |                                         |                                         |                                         |

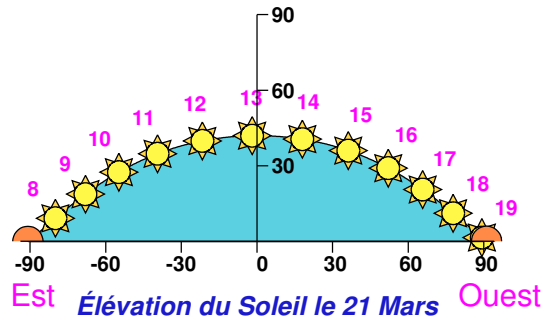
8

|                                         |                                         |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>19</b> 50 - 315<br>07:59 - 18:27 30° | <b>20</b> 51 - 314<br>07:57 - 18:28 31° | <b>21</b> 52 - 313<br>07:55 - 18:30 31° | <b>22</b> 53 - 312<br>07:54 - 18:31 32° | <b>23</b> 54 - 311<br>07:52 - 18:33 32° | <b>24</b> 55 - 310<br>07:50 - 18:35 32° | <b>25</b> 56 - 309<br>07:48 - 18:36 33° |
|                                         |                                         |                                         |                                         |                                         |                                         |                                         |

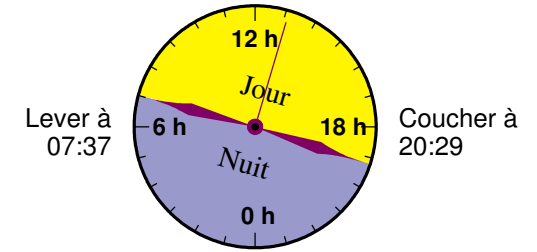
9

|                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>26</b> 57 - 308<br>07:46 - 18:38 33° | <b>27</b> 58 - 307<br>07:44 - 18:39 33° | <b>28</b> 59 - 306<br>07:42 - 18:41 34° |
|                                         |                                         |                                         |

# Mars 2018



**Mamers**  
0.37°E, 48.35°N



*Durée du jour le 21 Mars*

Levers et couchers du Soleil à Mamers (TL  $\pm$  1 mn) et élévation maximale du Soleil (°)

*Heure d'été le 25 Mars*

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

9

|                                        |                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>1</b> 60 - 305<br>07:40 - 18:42 34° | <b>2</b> 61 - 304<br>07:38 - 18:44 35° | <b>3</b> 62 - 303<br>07:36 - 18:46 35° | <b>4</b> 63 - 302<br>07:35 - 18:47 35° |
|                                        |                                        |                                        |                                        |

10

|                                        |                                        |                                        |                                        |                                        |                                         |                                         |
|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>5</b> 64 - 301<br>07:33 - 18:49 36° | <b>6</b> 65 - 300<br>07:31 - 18:50 36° | <b>7</b> 66 - 299<br>07:29 - 18:52 36° | <b>8</b> 67 - 298<br>07:27 - 18:53 37° | <b>9</b> 68 - 297<br>07:25 - 18:55 37° | <b>10</b> 69 - 296<br>07:23 - 18:56 38° | <b>11</b> 70 - 295<br>07:20 - 18:58 38° |
|                                        |                                        |                                        |                                        |                                        |                                         |                                         |

11

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|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>12</b> 71 - 294<br>07:18 - 18:59 38° | <b>13</b> 72 - 293<br>07:16 - 19:01 39° | <b>14</b> 73 - 292<br>07:14 - 19:02 39° | <b>15</b> 74 - 291<br>07:12 - 19:04 40° | <b>16</b> 75 - 290<br>07:10 - 19:05 40° | <b>17</b> 76 - 289<br>07:08 - 19:07 40° | <b>18</b> 77 - 288<br>07:06 - 19:08 41° |
|                                         |                                         |                                         |                                         |                                         |                                         |                                         |

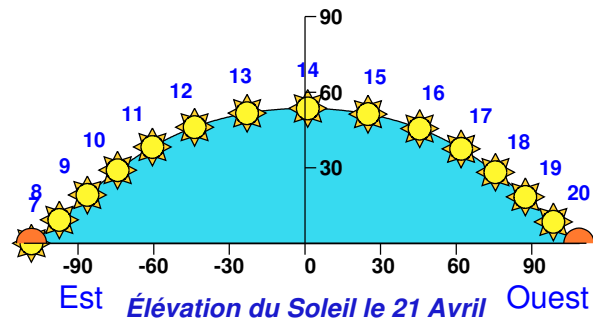
12

|                                         |                                         |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>19</b> 78 - 287<br>07:04 - 19:10 41° | <b>20</b> 79 - 286<br>07:02 - 19:11 42° | <b>21</b> 80 - 285<br>07:00 - 19:13 42° | <b>22</b> 81 - 284<br>06:58 - 19:14 42° | <b>23</b> 82 - 283<br>06:56 - 19:16 43° | <b>24</b> 83 - 282<br>06:54 - 19:17 43° | <b>25</b> 84 - 281<br>07:52 - 20:19 44° |
|                                         |                                         |                                         |                                         |                                         |                                         |                                         |

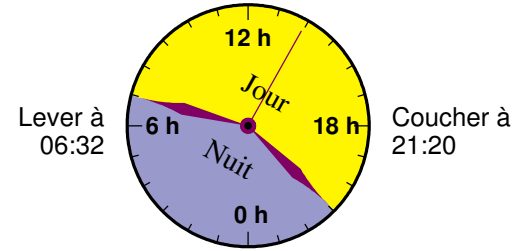
13

|                                         |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>26</b> 85 - 280<br>07:50 - 20:20 44° | <b>27</b> 86 - 279<br>07:47 - 20:22 44° | <b>28</b> 87 - 278<br>07:45 - 20:23 45° | <b>29</b> 88 - 277<br>07:43 - 20:25 45° | <b>30</b> 89 - 276<br>07:41 - 20:26 46° | <b>31</b> 90 - 275<br>07:39 - 20:27 46° |
|                                         |                                         |                                         |                                         |                                         |                                         |

# Avril 2018



Mamers  
0.37°E, 48.35°N



Durée du jour le 21 Avril

Levers et couchers du Soleil à Mamers (TL  $\pm$  1 mn) et élévation maximale du Soleil (°)

Lundi

Mardi

Mercredi

Jeudi

Vendredi

Samedi

Dimanche

13

14

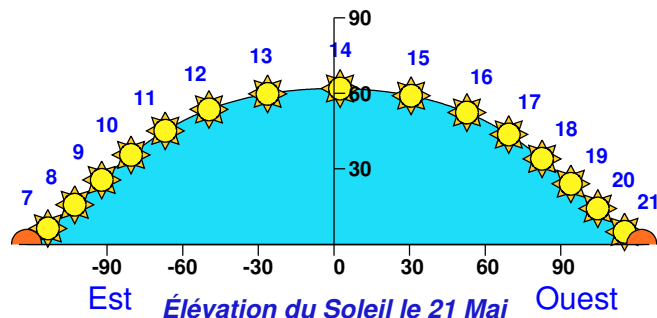
15

16

17

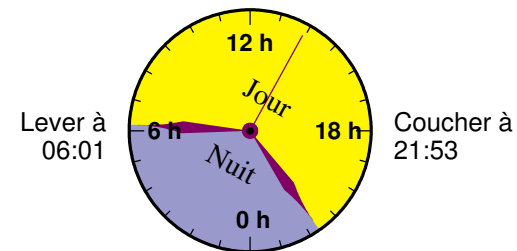
18

|                                                         |                                                         |                                                         |                                                         |                                                         |                                                         |                                                         |
|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
|                                                         |                                                         |                                                         |                                                         |                                                         |                                                         | <b>1</b> 91 - 274<br>07:37 - 20:29 46°<br><div></div>   |
| <b>2</b> 92 - 273<br>07:35 - 20:30 47°<br><div></div>   | <b>3</b> 93 - 272<br>07:33 - 20:32 47°<br><div></div>   | <b>4</b> 94 - 271<br>07:31 - 20:33 47°<br><div></div>   | <b>5</b> 95 - 270<br>07:29 - 20:35 48°<br><div></div>   | <b>6</b> 96 - 269<br>07:27 - 20:36 48°<br><div></div>   | <b>7</b> 97 - 268<br>07:25 - 20:38 49°<br><div></div>   | <b>8</b> 98 - 267<br>07:23 - 20:39 49°<br><div></div>   |
| <b>9</b> 99 - 266<br>07:21 - 20:41 49°<br><div></div>   | <b>10</b> 100 - 265<br>07:19 - 20:42 50°<br><div></div> | <b>11</b> 101 - 264<br>07:17 - 20:44 50°<br><div></div> | <b>12</b> 102 - 263<br>07:15 - 20:45 50°<br><div></div> | <b>13</b> 103 - 262<br>07:13 - 20:46 51°<br><div></div> | <b>14</b> 104 - 261<br>07:11 - 20:48 51°<br><div></div> | <b>15</b> 105 - 260<br>07:09 - 20:49 52°<br><div></div> |
| <b>16</b> 106 - 259<br>07:07 - 20:51 52°<br><div></div> | <b>17</b> 107 - 258<br>07:05 - 20:52 52°<br><div></div> | <b>18</b> 108 - 257<br>07:03 - 20:54 53°<br><div></div> | <b>19</b> 109 - 256<br>07:01 - 20:55 53°<br><div></div> | <b>20</b> 110 - 255<br>07:00 - 20:57 53°<br><div></div> | <b>21</b> 111 - 254<br>06:58 - 20:58 54°<br><div></div> | <b>22</b> 112 - 253<br>06:56 - 21:00 54°<br><div></div> |
| <b>23</b> 113 - 252<br>06:54 - 21:01 54°<br><div></div> | <b>24</b> 114 - 251<br>06:52 - 21:02 55°<br><div></div> | <b>25</b> 115 - 250<br>06:50 - 21:04 55°<br><div></div> | <b>26</b> 116 - 249<br>06:49 - 21:05 55°<br><div></div> | <b>27</b> 117 - 248<br>06:47 - 21:07 56°<br><div></div> | <b>28</b> 118 - 247<br>06:45 - 21:08 56°<br><div></div> | <b>29</b> 119 - 246<br>06:43 - 21:10 56°<br><div></div> |
| <b>30</b> 120 - 245<br>06:42 - 21:11 57°<br><div></div> |                                                         |                                                         |                                                         |                                                         |                                                         |                                                         |



# Mai 2018

**Mamers**  
0.37°E, 48.35°N



**Durée du jour le 21 Mai**

Levers et couchers du Soleil à Mamers (TL ± 1 mn) et élévation maximale du Soleil (°)

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

18

**1** 121 - 244  
06:40 - 21:13 57°

**2** 122 - 243  
06:38 - 21:14 57°

**3** 123 - 242  
06:37 - 21:15 57°

**4** 124 - 241  
06:35 - 21:17 58°

**5** 125 - 240  
06:33 - 21:18 58°

**6** 126 - 239  
06:32 - 21:20 58°

19

**7** 127 - 238  
06:30 - 21:21 59°

**8** 128 - 237  
06:29 - 21:22 59°

**9** 129 - 236  
06:27 - 21:24 59°

**10** 130 - 235  
06:26 - 21:25 59°

**11** 131 - 234  
06:24 - 21:27 60°

**12** 132 - 233  
06:23 - 21:28 60°

**13** 133 - 232  
06:22 - 21:29 60°

20

**14** 134 - 231  
06:20 - 21:31 60°

**15** 135 - 230  
06:19 - 21:32 61°

**16** 136 - 229  
06:18 - 21:33 61°

**17** 137 - 228  
06:16 - 21:35 61°

**18** 138 - 227  
06:15 - 21:36 61°

**19** 139 - 226  
06:14 - 21:37 61°

**20** 140 - 225  
06:13 - 21:38 62°

21

**21** 141 - 224  
06:12 - 21:40 62°

**22** 142 - 223  
06:11 - 21:41 62°

**23** 143 - 222  
06:10 - 21:42 62°

**24** 144 - 221  
06:09 - 21:43 62°

**25** 145 - 220  
06:08 - 21:44 63°

**26** 146 - 219  
06:07 - 21:45 63°

**27** 147 - 218  
06:06 - 21:46 63°

22

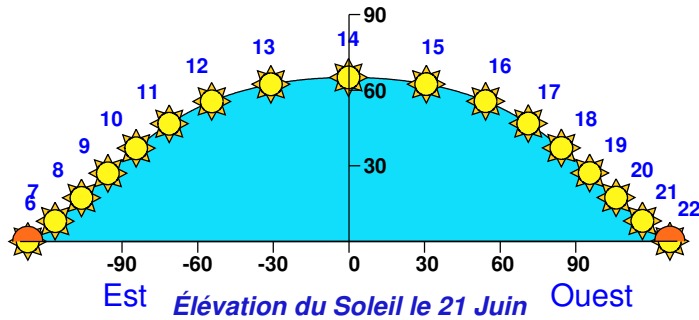
**28** 148 - 217  
06:05 - 21:47 63°

**29** 149 - 216  
06:04 - 21:49 63°

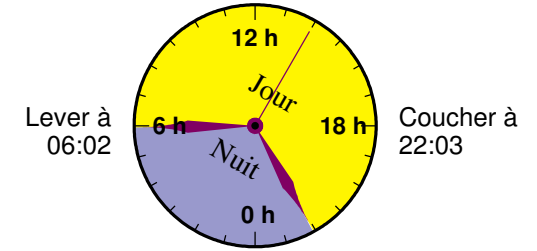
**30** 150 - 215  
06:03 - 21:50 63°

**31** 151 - 214  
06:03 - 21:51 64°

# Juin 2018



**Mamers**  
0.37°E, 48.35°N



Levers et couchers du Soleil à Mamers (TL ± 1 mn) et élévation maximale du Soleil (°)

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

22

|                                                                 |                                                                 |                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| <b>1</b> 152 - 213<br>06:02 - 21:52 64°<br><input type="text"/> | <b>2</b> 153 - 212<br>06:01 - 21:52 64°<br><input type="text"/> | <b>3</b> 154 - 211<br>06:01 - 21:53 64°<br><input type="text"/> |
|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|

23

|                                                                 |                                                                 |                                                                 |                                                                 |                                                                 |                                                                 |                                                                  |
|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|
| <b>4</b> 155 - 210<br>06:00 - 21:54 64°<br><input type="text"/> | <b>5</b> 156 - 209<br>06:00 - 21:55 64°<br><input type="text"/> | <b>6</b> 157 - 208<br>05:59 - 21:56 64°<br><input type="text"/> | <b>7</b> 158 - 207<br>05:59 - 21:57 64°<br><input type="text"/> | <b>8</b> 159 - 206<br>05:58 - 21:57 65°<br><input type="text"/> | <b>9</b> 160 - 205<br>05:58 - 21:58 65°<br><input type="text"/> | <b>10</b> 161 - 204<br>05:58 - 21:59 65°<br><input type="text"/> |
|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|

24

|                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| <b>11</b> 162 - 203<br>05:58 - 21:59 65°<br><input type="text"/> | <b>12</b> 163 - 202<br>05:57 - 22:00 65°<br><input type="text"/> | <b>13</b> 164 - 201<br>05:57 - 22:01 65°<br><input type="text"/> | <b>14</b> 165 - 200<br>05:57 - 22:01 65°<br><input type="text"/> | <b>15</b> 166 - 199<br>05:57 - 22:02 65°<br><input type="text"/> | <b>16</b> 167 - 198<br>05:57 - 22:02 65°<br><input type="text"/> | <b>17</b> 168 - 197<br>05:57 - 22:02 65°<br><input type="text"/> |
|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|

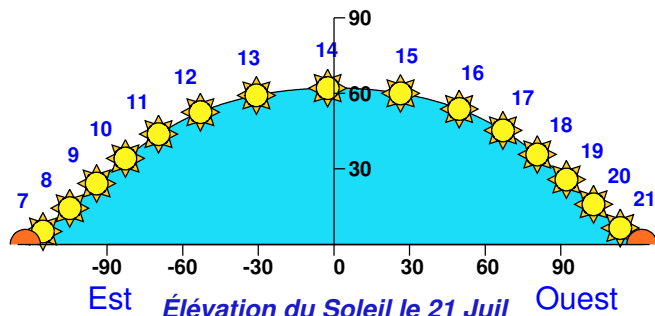
25

|                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| <b>18</b> 169 - 196<br>05:57 - 22:03 65°<br><input type="text"/> | <b>19</b> 170 - 195<br>05:57 - 22:03 65°<br><input type="text"/> | <b>20</b> 171 - 194<br>05:57 - 22:03 65°<br><input type="text"/> | <b>21</b> 172 - 193<br>05:57 - 22:04 65°<br><input type="text"/> | <b>22</b> 173 - 192<br>05:58 - 22:04 65°<br><input type="text"/> | <b>23</b> 174 - 191<br>05:58 - 22:04 65°<br><input type="text"/> | <b>24</b> 175 - 190<br>05:58 - 22:04 65°<br><input type="text"/> |
|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|

26

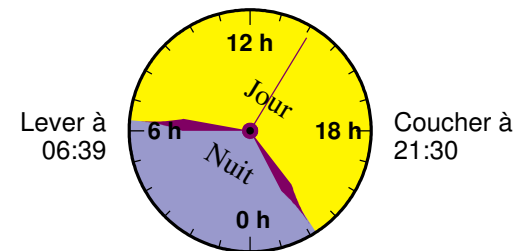
|                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| <b>25</b> 176 - 189<br>05:59 - 22:04 65°<br><input type="text"/> | <b>26</b> 177 - 188<br>05:59 - 22:04 65°<br><input type="text"/> | <b>27</b> 178 - 187<br>05:59 - 22:04 65°<br><input type="text"/> | <b>28</b> 179 - 186<br>06:00 - 22:04 65°<br><input type="text"/> | <b>29</b> 180 - 185<br>06:00 - 22:04 65°<br><input type="text"/> | <b>30</b> 181 - 184<br>06:01 - 22:04 65°<br><input type="text"/> |
|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|

# Juillet 2018



Mamers

0.37°E, 48.35°N



Durée du jour le 21 Juillet

Levers et couchers du Soleil à Mamers (TL ± 1 mn) et élévation maximale du Soleil (°)

Lundi

Mardi

Mercredi

Jeudi

Vendredi

Samedi

Dimanche

26

**1** 182 - 183  
06:02 - 22:03 65°

27

|                                         |                                         |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>2</b> 183 - 182<br>06:02 - 22:03 65° | <b>3</b> 184 - 181<br>06:03 - 22:03 65° | <b>4</b> 185 - 180<br>06:04 - 22:02 65° | <b>5</b> 186 - 179<br>06:04 - 22:02 64° | <b>6</b> 187 - 178<br>06:05 - 22:01 64° | <b>7</b> 188 - 177<br>06:06 - 22:01 64° | <b>8</b> 189 - 176<br>06:07 - 22:00 64° |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|

28

|                                         |                                          |                                          |                                          |                                          |                                          |                                          |
|-----------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| <b>9</b> 190 - 175<br>06:08 - 22:00 64° | <b>10</b> 191 - 174<br>06:08 - 21:59 64° | <b>11</b> 192 - 173<br>06:09 - 21:59 64° | <b>12</b> 193 - 172<br>06:10 - 21:58 64° | <b>13</b> 194 - 171<br>06:11 - 21:57 63° | <b>14</b> 195 - 170<br>06:12 - 21:56 63° | <b>15</b> 196 - 169<br>06:13 - 21:56 63° |
|-----------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|

29

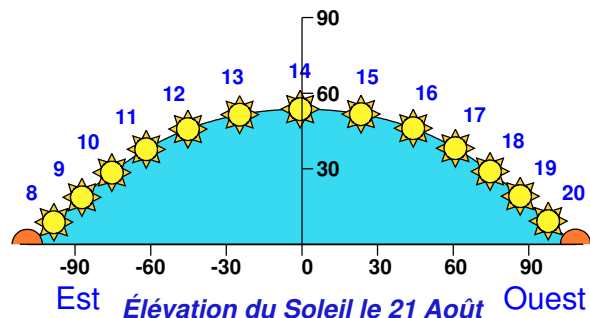
|                                          |                                          |                                          |                                          |                                          |                                          |                                          |
|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| <b>16</b> 197 - 168<br>06:14 - 21:55 63° | <b>17</b> 198 - 167<br>06:15 - 21:54 63° | <b>18</b> 199 - 166<br>06:16 - 21:53 63° | <b>19</b> 200 - 165<br>06:18 - 21:52 62° | <b>20</b> 201 - 164<br>06:19 - 21:51 62° | <b>21</b> 202 - 163<br>06:20 - 21:50 62° | <b>22</b> 203 - 162<br>06:21 - 21:49 62° |
|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|

30

|                                          |                                          |                                          |                                          |                                          |                                          |                                          |
|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| <b>23</b> 204 - 161<br>06:22 - 21:47 62° | <b>24</b> 205 - 160<br>06:23 - 21:46 61° | <b>25</b> 206 - 159<br>06:25 - 21:45 61° | <b>26</b> 207 - 158<br>06:26 - 21:44 61° | <b>27</b> 208 - 157<br>06:27 - 21:43 61° | <b>28</b> 209 - 156<br>06:28 - 21:41 61° | <b>29</b> 210 - 155<br>06:30 - 21:40 60° |
|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|

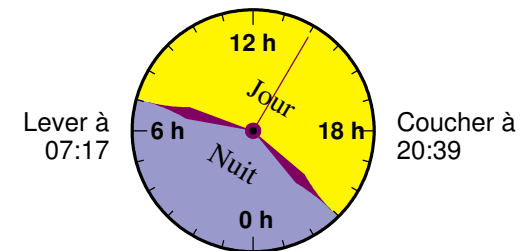
31

|                                          |                                          |
|------------------------------------------|------------------------------------------|
| <b>30</b> 211 - 154<br>06:31 - 21:39 60° | <b>31</b> 212 - 153<br>06:32 - 21:37 60° |
|------------------------------------------|------------------------------------------|



# Août 2018

**Mamers**  
0.37°E, 48.35°N



**Durée du jour le 21 Août**

Levers et couchers du Soleil à Mamers (TL ± 1 mn) et élévation maximale du Soleil (°)

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

31

32

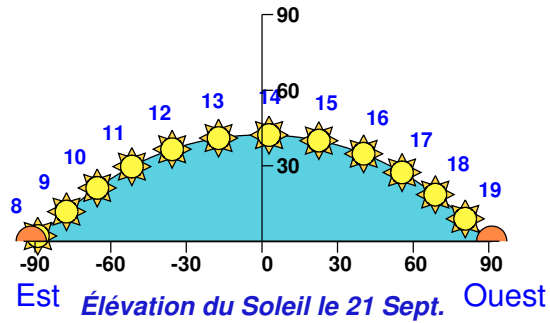
33

34

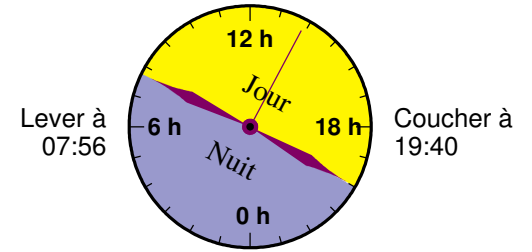
35

|                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <div>1</div> <div>213 - 152</div> <div>06:33 - 21:36 60°</div> <div></div>  | <div>2</div> <div>214 - 151</div> <div>06:35 - 21:34 59°</div> <div></div>  | <div>3</div> <div>215 - 150</div> <div>06:36 - 21:33 59°</div> <div></div>  | <div>4</div> <div>216 - 149</div> <div>06:37 - 21:31 59°</div> <div></div>  | <div>5</div> <div>217 - 148</div> <div>06:39 - 21:30 59°</div> <div></div>  |
| <div>8</div> <div>220 - 145</div> <div>06:43 - 21:25 58°</div> <div></div>  | <div>9</div> <div>221 - 144</div> <div>06:44 - 21:23 57°</div> <div></div>  | <div>10</div> <div>222 - 143</div> <div>06:46 - 21:22 57°</div> <div></div> | <div>11</div> <div>223 - 142</div> <div>06:47 - 21:20 57°</div> <div></div> | <div>12</div> <div>224 - 141</div> <div>06:48 - 21:18 57°</div> <div></div> |
| <div>15</div> <div>227 - 138</div> <div>06:52 - 21:13 56°</div> <div></div> | <div>16</div> <div>228 - 137</div> <div>06:54 - 21:11 55°</div> <div></div> | <div>17</div> <div>229 - 136</div> <div>06:55 - 21:09 55°</div> <div></div> | <div>18</div> <div>230 - 135</div> <div>06:57 - 21:08 55°</div> <div></div> | <div>19</div> <div>231 - 134</div> <div>06:58 - 21:06 54°</div> <div></div> |
| <div>22</div> <div>234 - 131</div> <div>07:02 - 21:00 53°</div> <div></div> | <div>23</div> <div>235 - 130</div> <div>07:03 - 20:58 53°</div> <div></div> | <div>24</div> <div>236 - 129</div> <div>07:05 - 20:56 53°</div> <div></div> | <div>25</div> <div>237 - 128</div> <div>07:06 - 20:54 52°</div> <div></div> | <div>26</div> <div>238 - 127</div> <div>07:08 - 20:52 52°</div> <div></div> |
| <div>29</div> <div>241 - 124</div> <div>07:12 - 20:47 51°</div> <div></div> | <div>30</div> <div>242 - 123</div> <div>07:13 - 20:45 51°</div> <div></div> | <div>31</div> <div>243 - 122</div> <div>07:15 - 20:43 50°</div> <div></div> |                                                                             |                                                                             |

# Septembre 2018



**Mamers**  
0.37°E, 48.35°N



*Durée du jour le 21 Septembre*

Levers et couchers du Soleil à Mamers (TL  $\pm$  1 mn) et élévation maximale du Soleil (°)

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

35

36

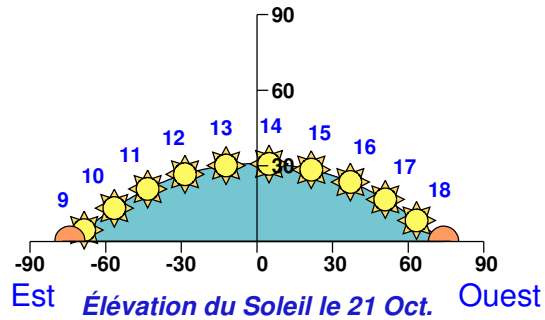
37

38

39

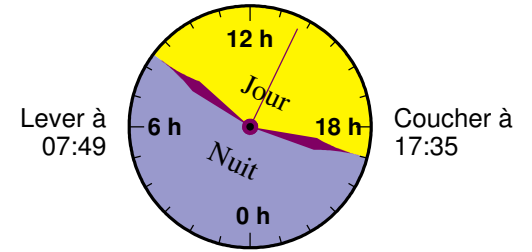
|                                                         |                                                         |
|---------------------------------------------------------|---------------------------------------------------------|
| <b>1</b> 244 - 121<br>07:16 - 20:41 50°<br><div></div>  | <b>2</b> 245 - 120<br>07:17 - 20:39 49°<br><div></div>  |
| <b>3</b> 246 - 119<br>07:19 - 20:36 49°<br><div></div>  | <b>4</b> 247 - 118<br>07:20 - 20:34 49°<br><div></div>  |
| <b>5</b> 248 - 117<br>07:21 - 20:32 48°<br><div></div>  | <b>6</b> 249 - 116<br>07:23 - 20:30 48°<br><div></div>  |
| <b>7</b> 250 - 115<br>07:24 - 20:28 48°<br><div></div>  | <b>8</b> 251 - 114<br>07:26 - 20:26 47°<br><div></div>  |
| <b>9</b> 252 - 113<br>07:27 - 20:24 47°<br><div></div>  | <b>10</b> 253 - 112<br>07:28 - 20:22 47°<br><div></div> |
| <b>11</b> 254 - 111<br>07:30 - 20:20 46°<br><div></div> | <b>12</b> 255 - 110<br>07:31 - 20:18 46°<br><div></div> |
| <b>13</b> 256 - 109<br>07:33 - 20:16 45°<br><div></div> | <b>14</b> 257 - 108<br>07:34 - 20:14 45°<br><div></div> |
| <b>15</b> 258 - 107<br>07:35 - 20:12 45°<br><div></div> | <b>16</b> 259 - 106<br>07:37 - 20:10 44°<br><div></div> |
| <b>17</b> 260 - 105<br>07:38 - 20:07 44°<br><div></div> | <b>18</b> 261 - 104<br>07:39 - 20:05 43°<br><div></div> |
| <b>19</b> 262 - 103<br>07:41 - 20:03 43°<br><div></div> | <b>20</b> 263 - 102<br>07:42 - 20:01 43°<br><div></div> |
| <b>21</b> 264 - 101<br>07:44 - 19:59 42°<br><div></div> | <b>22</b> 265 - 100<br>07:45 - 19:57 42°<br><div></div> |
| <b>23</b> 266 - 99<br>07:46 - 19:55 42°<br><div></div>  | <b>24</b> 267 - 98<br>07:48 - 19:53 41°<br><div></div>  |
| <b>25</b> 268 - 97<br>07:49 - 19:51 41°<br><div></div>  | <b>26</b> 269 - 96<br>07:51 - 19:49 40°<br><div></div>  |
| <b>27</b> 270 - 95<br>07:52 - 19:46 40°<br><div></div>  | <b>28</b> 271 - 94<br>07:53 - 19:44 40°<br><div></div>  |
| <b>29</b> 272 - 93<br>07:55 - 19:42 39°<br><div></div>  | <b>30</b> 273 - 92<br>07:56 - 19:40 39°<br><div></div>  |

# Octobre 2018



**Mamers**

0.37°E, 48.35°N



*Durée du jour le 21 Octobre*

Levers et couchers du Soleil à Mamers (TL  $\pm$  1 mn) et élévation maximale du Soleil (°)

*Heure d'hiver le 28 Octobre*

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

40

**1** 274 - 91  
07:58 - 19:38 38°

**2** 275 - 90  
07:59 - 19:36 38°

**3** 276 - 89  
08:01 - 19:34 38°

**4** 277 - 88  
08:02 - 19:32 37°

**5** 278 - 87  
08:03 - 19:30 37°

**6** 279 - 86  
08:05 - 19:28 36°

**7** 280 - 85  
08:06 - 19:26 36°

41

**8** 281 - 84  
08:08 - 19:24 36°

**9** 282 - 83  
08:09 - 19:22 35°

**10** 283 - 82  
08:11 - 19:20 35°

**11** 284 - 81  
08:12 - 19:18 35°

**12** 285 - 80  
08:14 - 19:16 34°

**13** 286 - 79  
08:15 - 19:14 34°

**14** 287 - 78  
08:17 - 19:12 33°

42

**15** 288 - 77  
08:18 - 19:10 33°

**16** 289 - 76  
08:20 - 19:08 33°

**17** 290 - 75  
08:21 - 19:06 32°

**18** 291 - 74  
08:23 - 19:04 32°

**19** 292 - 73  
08:24 - 19:02 32°

**20** 293 - 72  
08:26 - 19:01 31°

**21** 294 - 71  
08:27 - 18:59 31°

43

**22** 295 - 70  
08:29 - 18:57 31°

**23** 296 - 69  
08:30 - 18:55 30°

**24** 297 - 68  
08:32 - 18:53 30°

**25** 298 - 67  
08:33 - 18:52 30°

**26** 299 - 66  
08:35 - 18:50 29°

**27** 300 - 65  
08:36 - 18:48 29°

**28** 301 - 64  
07:38 - 17:46 28°

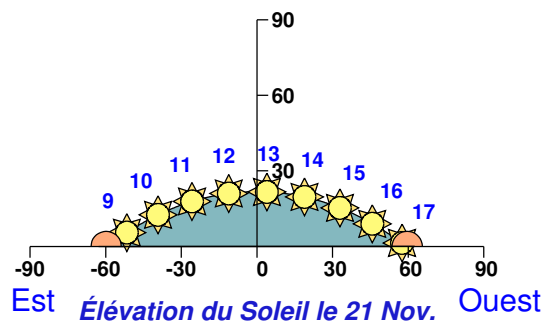
44

**29** 302 - 63  
07:39 - 17:45 28°

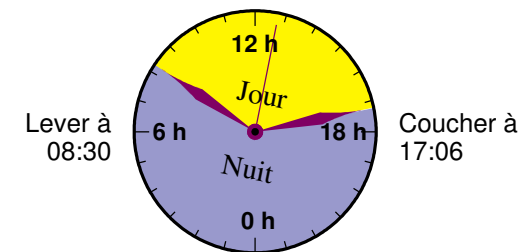
**30** 303 - 62  
07:41 - 17:43 28°

**31** 304 - 61  
07:43 - 17:41 28°

# Novembre 2018



**Mamers**  
0.37°E, 48.35°N



**Durée du jour le 21 Novembre**

Levers et couchers du Soleil à Mamers (TL ± 1 mn) et élévation maximale du Soleil (°)

**Lundi**

**Mardi**

**Mercredi**

**Jeudi**

**Vendredi**

**Samedi**

**Dimanche**

44

|                                        |                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| <b>1</b> 305 - 60<br>07:44 - 17:40 27° | <b>2</b> 306 - 59<br>07:46 - 17:38 27° | <b>3</b> 307 - 58<br>07:47 - 17:37 27° | <b>4</b> 308 - 57<br>07:49 - 17:35 26° |
|                                        |                                        |                                        |                                        |

45

|                                        |                                        |                                        |                                        |                                        |                                         |                                         |
|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>5</b> 309 - 56<br>07:50 - 17:34 26° | <b>6</b> 310 - 55<br>07:52 - 17:32 26° | <b>7</b> 311 - 54<br>07:54 - 17:31 25° | <b>8</b> 312 - 53<br>07:55 - 17:29 25° | <b>9</b> 313 - 52<br>07:57 - 17:28 25° | <b>10</b> 314 - 51<br>07:58 - 17:26 24° | <b>11</b> 315 - 50<br>08:00 - 17:25 24° |
|                                        |                                        |                                        |                                        |                                        |                                         |                                         |

46

|                                         |                                         |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>12</b> 316 - 49<br>08:01 - 17:24 24° | <b>13</b> 317 - 48<br>08:03 - 17:23 24° | <b>14</b> 318 - 47<br>08:04 - 17:21 23° | <b>15</b> 319 - 46<br>08:06 - 17:20 23° | <b>16</b> 320 - 45<br>08:07 - 17:19 23° | <b>17</b> 321 - 44<br>08:09 - 17:18 23° | <b>18</b> 322 - 43<br>08:10 - 17:17 22° |
|                                         |                                         |                                         |                                         |                                         |                                         |                                         |

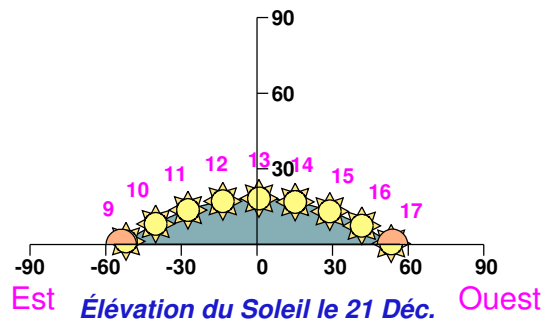
47

|                                         |                                         |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>19</b> 323 - 42<br>08:12 - 17:16 22° | <b>20</b> 324 - 41<br>08:13 - 17:15 22° | <b>21</b> 325 - 40<br>08:15 - 17:14 22° | <b>22</b> 326 - 39<br>08:16 - 17:13 22° | <b>23</b> 327 - 38<br>08:18 - 17:12 21° | <b>24</b> 328 - 37<br>08:19 - 17:11 21° | <b>25</b> 329 - 36<br>08:21 - 17:10 21° |
|                                         |                                         |                                         |                                         |                                         |                                         |                                         |

48

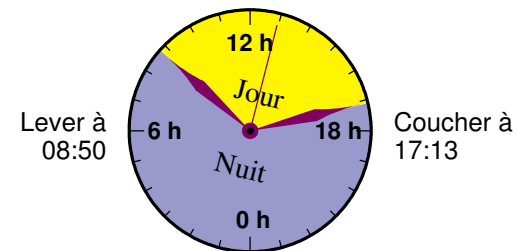
|                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>26</b> 330 - 35<br>08:22 - 17:10 21° | <b>27</b> 331 - 34<br>08:23 - 17:09 21° | <b>28</b> 332 - 33<br>08:25 - 17:08 20° | <b>29</b> 333 - 32<br>08:26 - 17:08 20° | <b>30</b> 334 - 31<br>08:27 - 17:07 20° |
|                                         |                                         |                                         |                                         |                                         |

# Décembre 2018



Mamers

0.37°E, 48.35°N



Durée du jour le 21 Décembre

Levers et couchers du Soleil à Mamers (TL  $\pm$  1 mn) et élévation maximale du Soleil (°)

Lundi

Mardi

Mercredi

Jeudi

Vendredi

Samedi

Dimanche

48

49

50

51

52

53

|                                                                 |                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| <b>1</b> 335 - 30<br>08:29 - 17:07 20°<br><input type="text"/>  | <b>2</b> 336 - 29<br>08:30 - 17:06 20°<br><input type="text"/>  |
| <b>3</b> 337 - 28<br>08:31 - 17:06 20°<br><input type="text"/>  | <b>4</b> 338 - 27<br>08:32 - 17:05 19°<br><input type="text"/>  |
| <b>5</b> 339 - 26<br>08:33 - 17:05 19°<br><input type="text"/>  | <b>6</b> 340 - 25<br>08:35 - 17:05 19°<br><input type="text"/>  |
| <b>7</b> 341 - 24<br>08:36 - 17:04 19°<br><input type="text"/>  | <b>8</b> 342 - 23<br>08:37 - 17:04 19°<br><input type="text"/>  |
| <b>9</b> 343 - 22<br>08:38 - 17:04 19°<br><input type="text"/>  | <b>10</b> 344 - 21<br>08:39 - 17:04 19°<br><input type="text"/> |
| <b>11</b> 345 - 20<br>08:40 - 17:04 19°<br><input type="text"/> | <b>12</b> 346 - 19<br>08:41 - 17:04 19°<br><input type="text"/> |
| <b>13</b> 347 - 18<br>08:41 - 17:04 19°<br><input type="text"/> | <b>14</b> 348 - 17<br>08:42 - 17:04 18°<br><input type="text"/> |
| <b>15</b> 349 - 16<br>08:43 - 17:04 18°<br><input type="text"/> | <b>16</b> 350 - 15<br>08:44 - 17:05 18°<br><input type="text"/> |
| <b>17</b> 351 - 14<br>08:45 - 17:05 18°<br><input type="text"/> | <b>18</b> 352 - 13<br>08:45 - 17:05 18°<br><input type="text"/> |
| <b>19</b> 353 - 12<br>08:46 - 17:05 18°<br><input type="text"/> | <b>20</b> 354 - 11<br>08:47 - 17:06 18°<br><input type="text"/> |
| <b>21</b> 355 - 10<br>08:47 - 17:06 18°<br><input type="text"/> | <b>22</b> 356 - 9<br>08:48 - 17:07 18°<br><input type="text"/>  |
| <b>23</b> 357 - 8<br>08:48 - 17:07 18°<br><input type="text"/>  | <b>24</b> 358 - 7<br>08:48 - 17:08 18°<br><input type="text"/>  |
| <b>25</b> 359 - 6<br>08:49 - 17:09 18°<br><input type="text"/>  | <b>26</b> 360 - 5<br>08:49 - 17:09 18°<br><input type="text"/>  |
| <b>27</b> 361 - 4<br>08:49 - 17:10 18°<br><input type="text"/>  | <b>28</b> 362 - 3<br>08:50 - 17:11 18°<br><input type="text"/>  |
| <b>29</b> 363 - 2<br>08:50 - 17:12 18°<br><input type="text"/>  | <b>30</b> 364 - 1<br>08:50 - 17:13 19°<br><input type="text"/>  |
| <b>31</b> 365 - 0<br>08:50 - 17:13 19°<br><input type="text"/>  |                                                                 |