

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Januari 2019 | | | | | | | | | | | |
|---------------------------|---------------------------------|-----------|--------------|----------------------------|---------------------------------|------------|--------------|-----------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 di | 5:10 11:46 17:58 | 98 75 | -98 | 11 vr | 0:14 6:46 12:45 18:46 | 107 73 | -102 -105 | 21 ma VM 6:16 | 3:34 9:36 15:51 21:52 | 105 115 | -121 -116 |
| 2 wo | 0:12 6:20 12:51 18:59 | 96 81 | -89 -99 | 12 za | 0:40 7:04 13:15 19:15 | 103 69 | -99 -103 | 22 di | 4:36 10:26 16:55 22:38 | 104 120 | -127 -118 |
| 3 do | 1:25 7:23 13:50 19:54 | 96 90 | -94 -101 | 13 zo | 1:14 7:53 13:53 19:55 | 99 66 | -97 -99 | 23 wo | 5:31 11:16 17:42 23:26 | 102 124 | -134 -122 |
| 4 vr | 2:21 8:15 14:46 20:42 | 97 98 | -101 -102 | 14 ma EK 7:45 | 2:04 8:36 14:28 20:53 | 95 64 | -94 -93 | 24 do | 6:21 12:05 18:26 | 99 | -138 -125 |
| 5 za | 3:23 9:05 15:35 21:19 | 96 104 | -105 -103 | 15 di | 2:45 9:25 15:18 21:45 | 92 64 | -91 -88 | 25 vr | 0:15 7:03 12:51 19:12 | 126 95 | -139 -126 |
| 6 zo NM 2:28 | 4:06 9:40 16:06 21:58 | 94 109 | -107 -104 | 16 wo | 3:39 10:31 16:14 22:55 | 89 66 | -89 -86 | 26 za | 1:01 7:46 13:40 19:51 | 124 89 | -135 -124 |
| 7 ma | 4:41 10:20 16:35 22:30 | 90 112 | -108 -105 | 17 do | 4:34 11:46 17:59 | 88 72 | -91 | 27 zo LK 22:10 | 1:55 8:23 14:26 20:36 | 117 81 | -127 -117 |
| 8 di | 5:16 10:55 17:09 23:05 | 87 113 | -107 -106 | 18 vr | 0:15 6:17 12:56 19:10 | 89 85 | -91 -99 | 28 ma | 2:25 9:06 15:05 21:25 | 107 73 | -115 -107 |
| 9 wo | 5:40 11:25 17:43 23:35 | 83 111 | -107 -107 | 19 za | 1:26 7:40 13:56 20:10 | 96 97 | -103 -108 | 29 di | 3:28 9:56 16:11 22:15 | 95 68 | -102 -96 |
| 10 do | 6:14 12:05 18:05 | 78 | -105 -107 | 20 zo | 2:24 8:46 14:56 21:00 | 102 108 | -113 -113 | 30 wo | 4:25 10:55 17:09 23:25 | 85 67 | -91 -89 |
| | | | | | | | | 31 do | 5:38 12:05 18:18 | 78 72 | -88 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Februari 2019 | | | | | | | | | | | |
|----------------------------|---------------------------------|----------|---------------------------|-----------------------------|---------------------------------|-----------|----------------------------|-----------------------------|---------------------------------|----------|----------------------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 vr | 0:48 6:47 13:14 19:28 | | -91 78 -93 82 | 11 ma | 1:00 7:15 13:25 19:36 | 101 74 | -112 -115 | 21 do | 5:17 10:55 17:32 23:10 | | -146 101 -135 126 |
| 2 za | 2:03 8:09 14:21 20:25 | | -100 81 -101 93 | 12 di EK 23:26 | 1:33 7:49 13:54 20:16 | 96 71 | -108 -110 | 22 vr | 6:03 11:45 18:16 23:56 | | -150 100 -140 126 |
| 3 zo | 2:56 8:55 15:15 21:09 | | -109 84 -106 100 | 13 wo | 2:18 8:46 14:32 21:05 | 90 69 | -102 -102 | 23 za | 6:42 12:30 18:56 | | -149 97 -142 |
| 4 ma NM 22:04 | 3:46 9:30 15:55 21:45 | | -113 84 -109 105 | 14 do | 3:04 9:40 15:32 22:21 | 84 67 | -94 -95 | 24 zo | 0:41 7:22 13:15 19:26 | 122 | -143 91 -139 |
| 5 di | 4:21 10:08 16:26 22:12 | | -115 83 -111 108 | 15 vr | 4:13 11:06 16:42 23:42 | 78 68 | -88 -95 | 25 ma | 1:26 7:55 13:54 20:06 | 112 | -132 83 -130 |
| 6 wo | 4:56 10:38 16:55 22:52 | | -115 83 -114 110 | 16 za | 5:48 12:26 18:40 | 77 79 | -93 | 26 di LK 12:28 | 2:01 8:30 14:35 20:46 | 99 | -118 74 -117 |
| 7 do | 5:35 11:10 17:25 23:20 | | -116 84 -117 111 | 17 zo | 1:06 7:19 13:36 19:40 | | -106 85 -104 94 | 27 wo | 2:49 9:16 15:19 21:36 | 83 | -101 67 -102 |
| 8 vr | 5:56 11:37 17:56 23:55 | | -117 83 -119 109 | 18 ma | 2:10 8:32 14:35 20:45 | 94 107 | -120 -113 | 28 do | 3:40 10:05 16:14 22:45 | 70 | -86 64 -88 |
| 9 za | 6:26 12:15 18:24 | | -116 81 -120 | 19 di VM 16:53 | 3:26 9:26 15:46 21:36 | 99 116 | -130 -120 | | | | |
| 10 zo | 0:25 6:45 12:50 18:55 | 106 | -114 78 -118 | 20 wo | 4:27 10:16 16:42 22:26 | | -139 101 -128 122 | | | | |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Maart 2019 | | | | | | | | | | | |
|----------------------------|---------------------------------|-----------|--------------|-----------------------------|---------------------------------|-----------|--------------|----------------------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 vr | 4:50 11:25 17:24 | 61 67 | -78 | 11 ma | 0:00 6:25 12:15 18:30 | 105 84 | -125 -129 | 21 do VM 2:43 | 4:12 9:54 16:29 22:06 | 98 120 | -147 -135 |
| 2 za | 0:15 6:27 12:55 18:50 | 60 76 | -88 -85 | 12 di | 0:35 6:50 13:02 19:05 | 99 80 | -122 -126 | 22 vr | 4:59 10:36 17:16 22:50 | 99 122 | -151 -142 |
| 3 zo | 1:24 7:49 13:56 20:05 | 68 88 | -100 -99 | 13 wo | 1:11 7:20 13:35 19:34 | 92 76 | -117 -120 | 23 za | 5:42 11:25 17:53 23:36 | 99 120 | -151 -148 |
| 4 ma | 2:36 8:45 14:55 20:50 | 76 97 | -113 -109 | 14 do EK 11:27 | 1:52 8:05 14:11 20:25 | 83 72 | -108 -111 | 24 zo | 6:17 12:00 18:27 | 98 | -148 -149 |
| 5 di | 3:14 9:26 15:35 21:25 | 79 101 | -120 -115 | 15 vr | 2:45 9:05 15:14 21:49 | 74 68 | -96 -101 | 25 ma | 0:16 6:51 12:35 19:06 | 113 93 | -142 -145 |
| 6 wo NM 17:04 | 4:05 9:50 16:11 21:55 | 81 104 | -123 -119 | 16 za | 3:54 10:25 16:38 23:26 | 66 68 | -86 -99 | 26 di | 0:56 7:25 13:15 19:36 | 102 86 | -131 -136 |
| 7 do | 4:36 10:26 16:45 22:32 | 83 106 | -125 -122 | 17 zo | 5:38 11:55 18:05 | 66 79 | -89 | 27 wo | 1:28 7:55 13:55 20:15 | 86 78 | -118 -122 |
| 8 vr | 5:06 10:56 17:16 23:01 | 86 108 | -127 -126 | 18 ma | 0:45 7:08 13:23 19:21 | 77 94 | -112 -102 | 28 do LK 5:10 | 2:12 8:26 14:37 20:55 | 70 70 | -103 -105 |
| 9 za | 5:36 11:26 17:44 23:31 | 88 107 | -128 -129 | 19 di | 2:00 8:16 14:25 20:29 | 88 106 | -128 -115 | 29 vr | 2:58 9:10 15:30 21:44 | 56 65 | -87 -89 |
| 10 zo | 6:06 11:55 18:05 | 87 | -127 -130 | 20 wo | 3:15 9:06 15:31 21:15 | 95 115 | -139 -126 | 30 za | 4:18 10:05 16:54 23:39 | 47 65 | -73 -84 |
| | | | | | | | | 31 zo | 6:37 13:20 19:04 | 48 72 | -76 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| April 2019 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|----------|---------------------------|------------------------------------|---------------------------------|---------------------------|-----------|-----------------------------------|---------------------------------|---------------------------|--------------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 ma | 2:06 8:19 14:35 20:30 | | -98 57 -93 82 | 11 do | 2:02 8:04 14:22 20:25 | 85 -119 81 -125 | | 21 zo | 6:12 11:50 18:31 | | -144 99 -146 |
| 2 di | 3:01 9:10 15:20 21:15 | | -113 69 -108 92 | 12 vr <i>EK 21:06</i> | 2:48 8:45 15:02 21:25 | 74 -109 76 -115 | | 22 ma | 0:06 6:49 12:24 19:01 | 110 -141 99 -147 | |
| 3 wo | 3:46 9:55 16:01 21:55 | | -123 76 -117 97 | 13 za | 3:37 9:45 16:09 22:41 | 64 -96 72 -106 | | 23 di | 0:45 7:16 13:10 19:36 | 102 -136 97 -143 | |
| 4 do | 4:25 10:20 16:36 22:30 | | -129 81 -122 100 | 14 zo | 4:59 11:16 17:24 | 58 -86 74 | | 24 wo | 1:31 7:45 13:45 20:12 | 90 -129 91 -134 | |
| 5 vr <i>NM 10:50</i> | 5:01 11:00 17:16 23:05 | | -132 85 -127 102 | 15 ma | 0:05 6:29 12:42 18:49 | -107 62 -90 83 | | 25 do | 2:10 8:16 14:20 20:40 | 75 -118 83 -122 | |
| 6 za | 5:36 11:34 17:55 23:27 | | -134 88 -131 103 | 16 di | 1:36 7:45 13:55 20:00 | -120 73 -104 96 | | 26 vr | 2:45 8:56 15:02 21:26 | 60 -105 76 -107 | |
| 7 zo | 6:11 11:55 18:25 | | -135 91 -134 | 17 wo | 2:45 8:56 15:06 21:00 | -134 83 -117 106 | | 27 za <i>LK 0:18</i> | 3:34 9:36 16:00 22:15 | 48 -92 70 -93 | |
| 8 ma | 0:05 6:35 12:31 18:52 | 103 | -133 92 -134 | 18 do | 3:46 9:46 16:13 21:55 | -142 90 -127 111 | | 28 zo | 4:49 10:36 17:10 23:26 | 41 -79 68 -85 | |
| 9 di | 0:46 6:55 13:01 19:15 | 100 | -130 90 -133 | 19 vr <i>VM 13:12</i> | 4:49 10:31 17:06 22:45 | -146 94 -135 114 | | 29 ma | 5:54 11:50 18:05 | 43 -73 71 | |
| 10 wo | 1:15 7:25 13:35 19:45 | 94 | -125 86 -130 | 20 za | 5:32 11:16 17:52 23:24 | -146 96 -142 114 | | 30 di | 1:15 6:55 13:42 19:30 | -93 51 -84 79 | |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Mei 2019 | | | | | | | | | | | |
|---------------------------|---------------------------------|----------|--------------|-----------------------------|---------------------------------|----------|--------------|-----------------------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 wo | 2:10 8:14 14:30 20:30 | 63 | -109 -100 | 11 za | 2:46 8:35 15:06 21:25 | 71 86 | -109 -119 | 21 di | 6:16 12:06 18:45 | 102 | -131 -138 |
| 2 do | 2:55 9:16 15:25 21:26 | 73 | -121 -111 | 12 zo EK 3:12 | 3:45 9:45 16:01 22:35 | 62 84 | -98 -114 | 22 wo | 0:26 6:46 12:46 19:16 | 91 101 | -129 -135 |
| 3 vr | 3:40 9:50 16:01 22:04 | 81 | -129 -120 | 13 ma | 5:05 11:01 17:15 23:56 | 59 85 | -93 -117 | 23 do | 1:05 7:16 13:15 19:44 | 80 97 | -125 -129 |
| 4 za | 4:26 10:34 16:45 22:35 | 86 | -133 -126 | 14 di | 6:15 12:23 18:31 | 63 90 | -96 | 24 vr | 1:45 7:46 14:00 20:20 | 68 90 | -118 -119 |
| 5 zo NM 0:45 | 5:01 11:06 17:25 23:16 | 90 | -136 -131 | 15 wo | 1:13 7:25 13:34 19:38 | 71 | -126 -107 | 25 za | 2:31 8:24 14:39 21:00 | 56 83 | -109 -108 |
| 6 ma | 5:41 11:30 18:05 23:49 | 94 | -136 -134 | 16 do | 2:16 8:20 14:35 20:35 | 79 | -134 -117 | 26 zo LK 18:34 | 3:20 9:06 15:25 21:45 | 47 | -99 -98 |
| 7 di | 6:11 12:09 18:36 | 95 | -134 -135 | 17 vr | 3:25 9:15 15:46 21:31 | 86 | -137 -124 | 27 ma | 4:10 9:50 16:18 22:40 | 43 | -90 -92 |
| 8 wo | 0:15 6:46 12:40 19:00 | 95 | -130 -134 | 18 za VM 23:11 | 4:16 10:04 16:36 22:16 | 91 | -137 -130 | 28 di | 5:09 10:50 17:24 23:55 | 44 | -83 -92 |
| 9 do | 1:05 7:15 13:20 19:34 | 89 | -125 -131 | 19 zo | 5:06 10:35 17:25 23:01 | 95 | -135 -135 | 29 wo | 6:25 11:55 18:30 | 50 | -82 |
| 10 vr | 1:50 7:44 14:13 20:25 | 81 | -118 -126 | 20 ma | 5:42 11:24 18:06 23:46 | 100 | -133 -137 | 30 do | 1:16 7:19 13:22 19:39 | 60 | -101 -91 |
| | | | | | | 99 | | 31 vr | 2:11 8:20 14:26 20:38 | 71 | -114 -104 |
| | | | | | | | | | | 88 | |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Juni 2019 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|-----------|--------------|------------------------------------|---------------------------------|-----------|--------------|------------------------------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 za | 2:56 9:16 15:16 21:25 | 80 | -124 -115 | 11 di | 4:45 10:46 16:55 23:36 | 66 97 | -103 -123 | 21 vr | 0:35 6:51 12:55 19:35 | 76 104 | -121 -122 |
| 2 zo | 3:40 9:56 16:00 22:11 | 88 | -130 -123 | 12 wo | 5:54 11:56 18:05 | 67 96 | -103 | 22 za | 1:28 7:26 13:35 20:02 | 68 99 | -117 -116 |
| 3 ma <i>NM 12:02</i> | 4:28 10:35 16:45 22:45 | 93 | -132 -128 | 13 do | 0:41 6:55 13:06 19:05 | 71 97 | -125 -107 | 23 zo | 2:05 8:01 14:10 20:45 | 61 93 | -112 -109 |
| 4 di | 5:15 11:11 17:36 23:25 | 97 | -132 -132 | 14 vr | 1:46 7:55 14:05 20:16 | 77 98 | -126 -113 | 24 ma | 2:45 8:45 14:50 21:16 | 55 88 | -106 -103 |
| 5 wo | 5:56 11:35 18:26 | 101 | -130 -133 | 15 za | 2:40 8:50 15:16 20:56 | 84 98 | -127 -118 | 25 di <i>LK 11:46</i> | 3:32 9:15 15:40 22:00 | 51 83 | -100 -99 |
| 6 do | 0:05 6:20 12:15 19:06 | 93 103 | -127 -133 | 16 zo | 3:46 9:41 16:15 21:55 | 90 97 | -125 -123 | 26 wo | 4:20 10:04 16:29 22:50 | 51 80 | -94 -97 |
| 7 vr | 0:55 7:00 13:05 19:55 | 88 104 | -123 -132 | 17 ma <i>VM 10:31</i> | 4:36 10:15 17:06 22:46 | 97 94 | -123 -126 | 27 do | 5:14 11:05 17:18 23:55 | 53 79 | -90 -98 |
| 8 za | 1:54 7:56 14:01 20:41 | 81 103 | -118 -130 | 18 di | 5:16 11:00 17:46 23:26 | 102 90 | -122 -128 | 28 vr | 6:25 12:18 18:14 | 59 81 | -90 |
| 9 zo | 2:40 8:45 14:56 21:36 | 75 101 | -112 -126 | 19 wo | 5:45 11:35 18:21 | 106 | -122 -128 | 29 za | 1:05 7:35 13:31 19:42 | 68 85 | -104 -97 |
| 10 ma <i>EK 7:59</i> | 3:40 9:40 15:56 22:31 | 69 98 | -107 -124 | 20 do | 0:05 6:15 12:20 18:56 | 84 106 | -122 -126 | 30 zo | 2:05 8:30 14:36 20:45 | 79 91 | -113 -108 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Juli 2019 | | | | | | | | | | | |
|----------------------------|---------------------------------|-----------|--------------|-----------------------------|---------------------------------|-----------|--------------|----------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 ma | 3:06 9:20 15:30 21:46 | 89 | -121 -118 | 11 do | 5:15 11:26 17:35 | 71 97 | -106 | 21 zo | 1:00 7:11 13:15 19:46 | 76 107 | -117 -114 |
| 2 di NM 21:16 | 3:56 10:01 16:26 22:25 | 98 | -125 -124 | 12 vr | 0:06 6:25 12:25 18:40 | 71 92 | -114 -103 | 22 ma | 1:40 7:35 13:51 20:16 | 72 103 | -114 -110 |
| 3 wo | 4:40 10:45 17:21 23:15 | 104 | -126 -129 | 13 za | 1:11 7:19 13:41 19:45 | 76 91 | -111 -105 | 23 di | 2:11 8:16 14:25 20:46 | 68 97 | -111 -106 |
| 4 do | 5:31 11:25 18:16 | 109 | -125 -132 | 14 zo | 2:16 8:22 14:50 20:45 | 84 91 | -111 -110 | 24 wo | 2:55 8:45 14:58 21:21 | 64 92 | -107 -103 |
| 5 vr | 0:06 6:21 12:16 19:09 | 94 113 | -124 -136 | 15 ma | 3:09 9:25 15:56 21:42 | 93 90 | -112 -115 | 25 do LK 3:18 | 3:20 9:30 15:30 22:06 | 62 89 | -102 -99 |
| 6 za | 0:50 7:15 13:00 19:56 | 92 116 | -123 -137 | 16 di VM 23:38 | 4:11 10:05 16:54 22:30 | 101 88 | -114 -119 | 26 vr | 3:58 10:25 16:05 22:54 | 62 85 | -95 -95 |
| 7 zo | 1:45 8:06 13:50 20:36 | 88 117 | -122 -137 | 17 wo | 4:56 10:42 17:35 23:10 | 106 85 | -114 -120 | 27 za | 4:48 11:26 17:19 | 64 83 | -91 |
| 8 ma | 2:30 8:46 14:44 21:25 | 84 115 | -121 -134 | 18 do | 5:36 11:15 18:11 23:45 | 110 82 | -114 -120 | 28 zo | 0:05 6:14 12:40 18:22 | 69 83 | -94 -92 |
| 9 di EK 12:55 | 3:31 9:36 15:35 22:15 | 79 110 | -117 -128 | 19 vr | 6:06 12:01 18:36 | 111 | -115 -119 | 29 ma | 1:26 7:44 14:01 20:14 | 80 89 | -99 -101 |
| 10 wo | 4:20 10:26 16:31 23:06 | 74 104 | -112 -120 | 20 za | 0:25 6:36 12:38 19:11 | 79 110 | -117 -118 | 30 di | 2:30 8:42 15:04 21:15 | 93 96 | -108 -112 |
| | | | | | | | | 31 wo | 3:25 9:46 15:58 22:10 | 104 100 | -114 -120 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Augustus 2019 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|-----------|--------------|------------------------------------|---------------------------------|-----------|--------------|------------------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 do <i>NM 5:12</i> | 4:25 10:36 17:15 23:00 | 112 | -117 -127 | 11 zo | 0:39 6:49 13:14 19:20 | 77 82 | -90 -93 | 21 wo | 1:45 7:46 13:45 20:13 | 81 104 | -112 -105 |
| 2 vr | 5:26 11:19 18:09 23:56 | 118 | -119 -134 | 12 ma | 1:51 7:58 14:25 20:40 | 86 85 | -93 -100 | 22 do | 2:16 8:15 14:20 20:35 | 78 98 | -108 -102 |
| 3 za | 6:25 12:06 19:02 | 123 | -122 -139 | 13 di | 2:56 9:01 15:41 21:35 | 98 88 | -100 -110 | 23 vr <i>LK 16:56</i> | 2:40 8:50 14:53 21:26 | 76 93 | -104 -97 |
| 4 zo | 0:45 7:07 12:51 19:45 | 99 127 | -126 -141 | 14 wo | 3:55 9:55 16:35 22:17 | 106 88 | -106 -115 | 24 za | 3:19 9:40 15:41 22:16 | 74 88 | -97 -90 |
| 5 ma | 1:26 7:52 13:36 20:26 | 97 127 | -129 -140 | 15 do <i>VM 14:29</i> | 4:41 10:35 17:15 23:00 | 111 86 | -109 -116 | 25 zo | 4:08 10:46 16:43 23:20 | 73 82 | -89 -83 |
| 6 di | 2:16 8:36 14:26 21:06 | 93 123 | -128 -133 | 16 vr | 5:26 11:08 17:51 23:30 | 113 85 | -109 -115 | 26 ma | 5:20 12:06 18:08 | 75 80 | -85 |
| 7 wo <i>EK 19:31</i> | 3:06 9:16 15:10 21:46 | 87 115 | -123 -122 | 17 za | 5:51 11:42 18:25 | 115 | -111 -114 | 27 di | 0:49 6:41 13:25 19:49 | 83 87 | -82 -93 |
| 8 do | 3:50 10:05 16:05 22:31 | 81 103 | -114 -110 | 18 zo | 0:06 6:25 12:15 18:55 | 86 115 | -113 -114 | 28 wo | 2:00 8:20 14:46 20:55 | 98 97 | -93 -107 |
| 9 vr | 4:45 10:45 16:54 23:25 | 75 92 | -103 -97 | 19 ma | 0:35 6:51 12:45 19:25 | 86 114 | -115 -112 | 29 do | 3:05 9:21 15:51 22:03 | 112 103 | -103 -119 |
| 10 za | 5:40 11:56 18:00 | 74 84 | -94 | 20 di | 1:05 7:15 13:21 19:46 | 85 109 | -114 -109 | 30 vr <i>NM 12:37</i> | 4:05 10:16 16:56 22:55 | 121 106 | -110 -127 |
| | | | | | | | | 31 za | 5:16 11:01 17:53 23:36 | 128 107 | -115 -134 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| September 2019 | | | | | | | | | | | |
|-----------------|-------------------------------------------|------------|--------------|-----------------|--------------------------------------------|-----------|--------------|-----------------|--------------------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 zo | 6:06 11:46 18:41 | 132 | -122 -138 | 11 wo | 2:36 8:43 15:19 21:25 | 101 88 | -87 -103 | 21 za | 2:16 8:26 14:29 20:46 | 87 92 | -102 -93 |
| 2 ma | 0:21 6:55 12:36 19:23 | 106 133 | -127 -138 | 12 do | 3:31 9:31 16:06 22:05 | 111 91 | -99 -111 | 22 zo | 2:49 9:05 LK 4:41 15:25 21:35 | 84 84 | -95 -83 |
| 3 di | 1:05 7:36 13:16 20:05 | 105 131 | -130 -133 | 13 vr | 4:16 10:11 16:46 22:46 | 115 91 | -104 -112 | 23 ma | 3:44 10:15 16:25 22:45 | 81 77 | -85 -72 |
| 4 wo | 1:46 8:11 14:01 20:41 | 101 124 | -129 -124 | 14 za | 5:01 10:45 VM 6:33 17:25 23:05 | 116 92 | -106 -111 | 24 di | 4:48 11:35 17:58 | 81 75 | -80 |
| 5 do | 2:31 8:51 14:45 21:15 | 95 111 | -122 -111 | 15 zo | 5:26 11:15 17:55 23:26 | 117 94 | -107 -111 | 25 wo | 0:09 6:28 13:11 19:33 | 89 85 | -69 -89 |
| 6 vr | 3:15 9:30 EK 5:10 15:25 21:50 | 87 97 | -111 -96 | 16 ma | 6:05 11:48 18:25 | 117 | -109 -111 | 26 do | 1:40 7:52 14:18 20:46 | 104 97 | -81 -105 |
| 7 za | 4:00 10:16 16:22 22:40 | 81 83 | -96 -81 | 17 di | 0:08 6:26 12:18 18:55 | 96 116 | -111 -109 | 27 vr | 2:45 8:55 15:30 21:40 | 118 106 | -95 -118 |
| 8 zo | 4:59 11:15 17:30 23:45 | 77 74 | -83 -70 | 18 wo | 0:38 6:56 12:45 19:16 | 96 113 | -111 -106 | 28 za | 3:50 9:56 NM 20:26 16:36 22:30 | 127 110 | -105 -125 |
| 9 ma | 6:04 12:48 19:09 | 80 72 | -79 | 19 do | 1:05 7:15 13:15 19:35 | 94 107 | -109 -103 | 29 zo | 4:56 10:41 17:31 23:15 | 133 111 | -112 -129 |
| 10 di | 1:25 7:24 14:05 20:30 | 89 80 | -74 -90 | 20 vr | 1:38 7:49 13:56 19:58 | 90 100 | -106 -99 | 30 ma | 5:46 11:25 18:17 23:56 | 135 111 | -119 -130 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| Oktober 2019 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 di | 6:36 12:11 18:59 | 134 | -124 -127 | 11 vr | 3:05 9:05 15:31 21:45 | 110 91 | -88 -104 | 21 ma <i>LK 14:39</i> | 2:31 8:45 15:10 21:10 | 93 79 | -93 -78 |
| 2 wo | 0:41 7:15 12:55 19:35 | 111 128 | -126 -121 | 12 za | 3:46 9:45 16:15 22:15 | 114 94 | -96 -107 | 22 di | 3:35 9:49 16:20 22:15 | 89 72 | -83 -66 |
| 3 do | 1:25 7:51 13:36 20:05 | 107 117 | -124 -112 | 13 zo <i>VM 23:08</i> | 4:26 10:18 16:46 22:40 | 115 98 | -100 -108 | 23 wo | 4:45 11:20 17:50 23:55 | 89 73 | -80 -64 |
| 4 vr | 1:55 8:25 14:15 20:36 | 102 103 | -116 -100 | 14 ma | 5:00 10:52 17:25 23:05 | 116 101 | -103 -108 | 24 do | 6:14 12:50 19:15 | 96 83 | -90 |
| 5 za <i>EK 18:47</i> | 2:38 8:56 15:00 21:05 | 94 87 | -104 -86 | 15 di | 5:35 11:20 17:56 23:35 | 116 104 | -105 -108 | 25 vr | 1:15 7:30 14:06 20:15 | 108 95 | -76 -105 |
| 6 zo | 3:02 9:46 15:52 21:55 | 87 73 | -89 -71 | 16 wo | 6:06 11:50 18:15 | 115 | -107 -107 | 26 za | 2:35 8:36 15:05 21:10 | 120 104 | -90 -115 |
| 7 ma | 4:19 10:46 17:00 23:00 | 82 64 | -74 -58 | 17 do | 0:05 6:31 12:22 18:40 | 105 112 | -107 -105 | 27 zo | 2:31 8:25 15:06 21:00 | 127 109 | -101 -119 |
| 8 di | 5:33 12:15 18:18 | 83 64 | -68 | 18 vr | 0:31 6:44 12:55 18:55 | 104 106 | -106 -101 | 28 ma <i>NM 4:38</i> | 3:32 9:10 16:07 21:40 | 131 112 | -108 -119 |
| 9 wo | 0:55 6:33 13:46 19:58 | 89 73 | -58 -79 | 19 za | 1:05 7:25 13:36 19:40 | 101 98 | -104 -97 | 29 di | 4:21 10:00 16:51 22:26 | 131 114 | -114 -118 |
| 10 do | 2:06 8:09 14:34 21:05 | 100 84 | -74 -94 | 20 zo | 1:45 7:55 14:21 20:15 | 97 88 | -100 -89 | 30 wo | 5:12 10:46 17:27 23:06 | 127 115 | -118 -114 |
| | | | | | | | | 31 do | 5:46 11:26 17:56 23:45 | 120 113 | -119 -110 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| November 2019 | | | | | | | | | | | |
|----------------------------|---------------------------------|-----------|--------------|-----------------------------|---------------------------------|------------|--------------|-----------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 vr | 6:22 12:05 18:19 | 108 | -117 -104 | 11 ma | 2:46 8:45 15:06 21:10 | 111 100 | -93 -105 | 21 do | 3:35 10:10 16:25 22:31 | 98 72 | -87 -70 |
| 2 za | 0:19 6:56 12:56 19:00 | 108 93 | -110 -96 | 12 di VM 14:34 | 3:20 9:26 15:46 21:46 | 112 104 | -99 -107 | 22 vr | 4:48 11:30 17:48 23:54 | 101 79 | -94 -78 |
| 3 zo | 1:05 7:25 13:33 19:35 | 102 78 | -99 -84 | 13 wo | 4:01 9:50 16:16 22:15 | 113 107 | -103 -108 | 23 za | 6:05 12:36 18:50 | 108 89 | -104 |
| 4 ma EK 11:23 | 1:40 8:14 14:30 20:26 | 95 65 | -86 -71 | 14 do | 4:40 10:21 16:45 22:40 | 112 109 | -105 -107 | 24 zo | 0:54 7:05 13:35 19:45 | 115 97 | -89 -110 |
| 5 di | 2:38 8:59 15:24 21:15 | 88 58 | -72 -59 | 15 vr | 5:09 10:55 17:15 23:15 | 109 110 | -106 -105 | 25 ma | 2:06 7:55 14:45 20:30 | 120 104 | -98 -111 |
| 6 wo | 3:44 10:14 16:42 22:31 | 86 58 | -64 -52 | 16 za | 5:35 11:38 17:36 23:56 | 103 109 | -106 -101 | 26 di NM 16:06 | 3:06 8:56 15:36 21:22 | 121 109 | -104 -110 |
| 7 do | 4:58 11:50 17:48 | 88 65 | -69 | 17 zo | 6:16 12:21 18:20 | 96 | -104 -97 | 27 wo | 4:06 9:36 16:21 21:55 | 120 114 | -109 -109 |
| 8 vr | 0:06 6:10 12:50 19:00 | 95 76 | -60 -83 | 18 ma | 0:28 6:45 13:16 19:05 | 106 86 | -101 -89 | 28 do | 4:46 10:15 16:56 22:35 | 116 117 | -113 -107 |
| 9 za | 1:09 7:19 13:44 19:52 | 102 86 | -74 -94 | 19 di LK 22:11 | 1:19 7:39 14:05 20:05 | 102 77 | -94 -79 | 29 vr | 5:26 11:05 17:20 23:15 | 108 117 | -114 -106 |
| 10 zo | 2:00 8:05 14:26 20:35 | 108 94 | -86 -101 | 20 wo | 2:25 8:55 15:21 21:18 | 99 71 | -88 -70 | 30 za | 6:05 11:45 17:49 | 98 | -112 -103 |

Wierumergronden

Hoog- en laagwaterstanden en -tijdstippen

| December 2019 | | | | | | | | | | | |
|---------------------------|---------------------------------|-----------|-------------|----------------------------|---------------------------------|----------------------------|-----------|----------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 zo | 0:01 6:30 12:30 18:36 | 114 85 | -108 -98 | 11 wo | 2:46 8:56 15:06 21:15 | -97 105 -107 103 | | 21 za | 4:20 11:01 17:15 23:26 | 102 74 | -98 -84 |
| 2 ma | 0:35 7:15 13:09 19:04 | 108 73 | -99 -90 | 12 do VM 6:12 | 3:31 9:25 15:46 21:50 | -104 107 -109 107 | | 22 zo | 5:25 12:05 18:15 | 102 80 | -100 |
| 3 di | 1:14 7:45 13:59 19:52 | 101 63 | -89 -81 | 13 vr | 4:10 10:08 16:26 22:10 | -108 106 -109 112 | | 23 ma | 0:31 6:35 13:05 19:21 | 104 88 | -90 -103 |
| 4 wo EK 7:58 | 2:09 8:35 14:52 20:39 | 94 57 | -78 -71 | 14 za | 4:56 10:40 17:01 22:44 | -110 104 -107 115 | | 24 di | 1:35 7:38 14:11 20:16 | 106 97 | -97 -105 |
| 5 do | 2:54 9:25 15:49 21:30 | 89 55 | -70 -64 | 15 zo | 5:39 11:28 17:28 23:35 | -110 100 -105 116 | | 25 wo | 2:41 8:35 15:05 20:55 | 107 105 | -104 -105 |
| 6 vr | 4:00 10:25 16:48 22:34 | 86 59 | -67 -60 | 16 ma | 6:10 12:05 18:10 | -110 94 -102 | | 26 do NM 6:13 | 3:46 9:21 15:56 21:40 | 106 112 | -109 -105 |
| 7 za | 5:14 11:51 18:05 | 87 67 | -72 | 17 di | 0:25 6:55 13:05 19:08 | 115 -108 87 -96 | | 27 vr | 4:31 10:00 16:40 22:15 | 102 116 | -113 -105 |
| 8 zo | 0:03 6:08 12:45 19:00 | 91 77 | -65 -84 | 18 wo | 1:26 7:55 14:06 20:05 | 112 -104 80 -90 | | 28 za | 5:11 10:45 17:09 23:00 | 97 117 | -114 -106 |
| 9 ma | 1:05 7:15 13:40 19:44 | 97 88 | -77 -95 | 19 do LK 5:57 | 2:15 8:56 15:05 21:06 | 109 -100 74 -85 | | 29 zo | 5:46 11:25 17:38 23:40 | 90 116 | -113 -107 |
| 10 di | 1:55 8:05 14:20 20:38 | 102 96 | -88 -103 | 20 vr | 3:05 9:56 16:05 22:16 | 105 -98 72 -82 | | 30 ma | 6:20 12:05 18:15 | 82 | -110 -106 |
| | | | | | | | | 31 di | 0:20 6:51 12:45 18:48 | 112 74 | -106 -102 |