

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Januari 2020 | | | | | | | | | | | |
|-----------------------------|---------------------------------|------------|--------------|-----------------------------|---------------------------------|----------------------------|-----|-----------------------------|---------------------------------|----------------------------|-----|
| datum | uu:mm | HW | LW | datum | uu:mm | HW | LW | datum | uu:mm | HW | LW |
| | | cm | NAP | | | cm | NAP | | | cm | NAP |
| 1 wo | 1:44 8:26 14:07 20:28 | 112 70 | -104 -109 | 11 za | 4:58 10:35 17:15 23:00 | -126 107 -127 120 | | 21 di | 1:05 7:08 13:46 19:51 | -101 90 -106 84 | |
| 2 do | 2:25 9:00 14:45 21:02 | 104 67 | -97 -101 | 12 zo | 5:42 11:25 17:56 23:40 | -135 104 -132 123 | | 22 wo | 2:16 8:15 14:48 20:51 | -113 95 -117 100 | |
| 3 vr EK 5:45 | 3:05 9:36 15:27 21:45 | 96 65 | -91 -91 | 13 ma | 6:25 12:15 18:37 | -143 99 -135 | | 23 do | 3:18 9:15 15:42 21:46 | -129 100 -127 114 | |
| 4 za | 4:00 10:26 16:29 22:29 | 90 65 | -85 -79 | 14 di | 0:26 7:08 12:55 19:20 | 124 -146 94 -137 | | 24 vr NM 22:42 | 4:12 10:10 16:28 22:30 | -140 103 -132 123 | |
| 5 zo | 5:03 11:25 17:34 | 86 69 | -81 | 15 wo | 0:59 7:53 13:50 20:03 | 124 -146 88 -136 | | 25 za | 4:57 11:00 17:12 23:06 | -143 100 -132 125 | |
| 6 ma | 0:15 5:55 12:44 18:25 | 87 76 | -72 -84 | 16 do | 1:50 8:38 14:35 20:46 | 122 -141 81 -131 | | 26 zo | 5:39 11:40 17:50 23:41 | -139 94 -130 123 | |
| 7 di | 1:26 7:05 13:50 19:35 | 92 87 | -79 -93 | 17 vr LK 13:59 | 2:46 9:26 15:25 21:36 | 116 -131 75 -121 | | 27 ma | 6:18 12:10 18:26 | -132 87 -130 | |
| 8 wo | 2:26 8:05 14:51 20:35 | 99 98 | -91 -104 | 18 za | 3:35 10:20 16:25 22:35 | 108 -117 71 -107 | | 28 di | 0:10 6:55 12:34 18:58 | 121 -126 82 -130 | |
| 9 do | 3:20 9:00 15:40 21:32 | 105 108 | -104 -114 | 19 zo | 4:34 11:25 17:21 23:45 | 99 -105 69 -99 | | 29 wo | 0:46 7:27 13:05 19:32 | 117 -122 80 -130 | |
| 10 vr VM 20:21 | 4:12 9:51 16:29 22:16 | 108 115 | -116 -122 | 20 ma | 5:55 12:35 18:39 | 92 -101 72 | | 30 do | 1:15 7:58 13:24 20:03 | 112 -119 78 -128 | |
| | | | | | | | | 31 vr | 1:56 8:28 14:05 20:36 | 105 -117 77 -124 | |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Februari 2020 | | | | | | | | | | | |
|---------------------------|---------------------------------|------------|--------------|-----------------------------|---------------------------------|-----------|--------------|-----------------------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 za | 2:18 9:02 14:35 21:10 | 98 75 | -114 -117 | 11 di | 6:07 12:05 18:21 | 100 | -163 -156 | 21 vr | 3:05 9:05 15:25 21:20 | 91 115 | -133 -128 |
| 2 zo EK 2:41 | 3:00 9:42 15:29 21:50 | 93 73 | -110 -109 | 12 wo | 0:06 6:53 12:55 19:04 | 130 97 | -169 -161 | 22 za | 3:56 9:59 16:12 22:10 | 97 122 | -147 -137 |
| 3 ma | 3:40 10:25 16:11 22:36 | 87 71 | -101 -96 | 13 do | 0:50 7:35 13:45 19:46 | 129 92 | -169 -161 | 23 zo NM 16:32 | 4:42 10:46 16:53 22:45 | 96 122 | -149 -139 |
| 4 di | 4:31 11:25 17:39 23:54 | 80 73 | -91 -83 | 14 vr | 1:35 8:17 14:15 20:28 | 123 86 | -159 -154 | 24 ma | 5:22 11:26 17:30 23:15 | 92 120 | -144 -139 |
| 5 wo | 6:26 12:55 18:55 | 79 80 | -89 | 15 za LK 23:17 | 2:14 9:02 15:05 21:15 | 114 80 | -144 -141 | 25 di | 5:58 12:02 18:03 23:45 | 88 118 | -138 -141 |
| 6 do | 1:35 7:25 14:15 20:04 | 85 92 | -89 -99 | 16 zo | 3:05 9:48 15:50 22:05 | 102 75 | -125 -124 | 26 wo | 6:30 12:20 18:36 | 87 | -136 -145 |
| 7 vr | 2:46 8:36 15:15 21:05 | 93 105 | -104 -112 | 17 ma | 4:04 10:46 16:45 23:06 | 89 72 | -105 -107 | 27 do | 0:15 7:00 12:40 19:07 | 116 88 | -136 -147 |
| 8 za | 3:48 9:30 16:07 21:55 | 100 116 | -122 -125 | 18 di | 5:19 11:56 17:47 | 78 73 | -94 | 28 vr | 0:46 7:30 13:00 19:39 | 112 89 | -137 -146 |
| 9 zo VM 8:33 | 4:37 10:20 16:55 22:45 | 103 123 | -138 -136 | 19 wo | 0:32 6:55 13:16 19:25 | 75 83 | -102 -98 | 29 za | 1:15 8:00 13:35 20:10 | 106 87 | -137 -143 |
| 10 ma | 5:23 11:07 17:38 23:24 | 102 128 | -152 -147 | 20 do | 2:03 8:05 14:25 20:25 | 82 100 | -113 -113 | | | | |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Maart 2020 | | | | | | | | | | | |
|------------|-------|-----|------|-----------|-------|-----|------|-----------|-------|-----|------|
| datum | uu:mm | HW | LW | datum | uu:mm | HW | LW | datum | uu:mm | HW | LW |
| | | cm | NAP | | | cm | NAP | | | cm | NAP |
| 1 | 1:50 | 100 | | 11 | 5:46 | | -183 | 21 | 2:47 | | -136 |
| zo | 8:32 | | -135 | wo | 11:50 | 103 | -176 | za | 8:45 | 83 | -130 |
| | 14:05 | 85 | | | 18:01 | | | | 15:02 | | |
| | 20:43 | | -140 | | 23:44 | 131 | | | 20:55 | 111 | |
| 2 | 2:15 | 95 | | 12 | 6:30 | | -187 | 22 | 3:36 | | -150 |
| ma | 9:06 | | -132 | do | 12:35 | 101 | -183 | zo | 9:34 | 90 | -141 |
| EK 20:57 | 14:34 | 83 | | | 18:45 | | | | 15:48 | | |
| | 21:20 | | -134 | | | | | | 21:46 | 116 | |
| 3 | 2:55 | 89 | | 13 | 0:30 | 128 | | 23 | 4:20 | | -152 |
| di | 9:50 | | -122 | vr | 7:13 | | -183 | ma | 10:26 | 92 | -145 |
| | 15:17 | 79 | | | 13:18 | 97 | -182 | | 16:30 | | |
| | 22:05 | | -121 | | 19:26 | | | | 22:20 | 117 | |
| 4 | 3:52 | 79 | | 14 | 1:16 | 120 | | 24 | 4:58 | | -148 |
| wo | 10:40 | | -107 | za | 7:54 | | -171 | di | 10:55 | 92 | -147 |
| | 16:50 | 74 | | | 13:45 | 93 | -173 | NM 10:28 | 17:06 | | |
| | 23:06 | | -104 | | 20:07 | | | | 22:44 | 115 | |
| 5 | 5:28 | 70 | | 15 | 1:58 | 108 | | 25 | 5:32 | | -145 |
| do | 12:00 | | -93 | zo | 8:35 | | -154 | wo | 11:30 | 93 | -150 |
| | 18:15 | 78 | | | 14:25 | 89 | -158 | | 17:38 | | |
| | | | | | 20:52 | | | | 23:15 | 115 | |
| 6 | 0:50 | | -99 | 16 | 2:35 | 94 | | 26 | 6:02 | | -146 |
| vr | 7:01 | 75 | | ma | 9:17 | | -133 | do | 11:55 | 95 | -155 |
| | 13:36 | | -99 | LK 10:34 | 15:10 | 84 | | | 18:12 | | |
| | 19:30 | 91 | | | 21:36 | | -138 | | 23:50 | 114 | |
| 7 | 2:18 | | -115 | 17 | 3:40 | 79 | | 27 | 6:32 | | -150 |
| za | 8:04 | 85 | | di | 10:05 | | -111 | vr | 12:05 | 97 | -158 |
| | 14:46 | | -116 | | 16:08 | 80 | | | 18:45 | | |
| | 20:34 | 106 | | | 22:36 | | -116 | | | | |
| 8 | 3:25 | | -135 | 18 | 4:47 | 66 | | 28 | 0:20 | 110 | |
| zo | 9:10 | 95 | | wo | 11:16 | | -94 | za | 7:03 | | -152 |
| | 15:42 | | -134 | | 17:05 | 78 | | | 12:35 | 97 | |
| | 21:26 | 119 | | | 23:59 | | -104 | | 19:15 | | -157 |
| 9 | 4:13 | | -155 | 19 | 6:25 | 63 | | 29 | 0:45 | 103 | |
| ma | 10:06 | 100 | | do | 12:50 | | -95 | zo | 8:35 | | -150 |
| VM 18:47 | 16:33 | | -150 | | 18:45 | 84 | | | 14:05 | 94 | |
| | 22:16 | 127 | | | | | | | 20:46 | | -154 |
| 10 | 5:01 | | -171 | 20 | 1:36 | | -115 | 30 | 2:15 | 97 | |
| di | 11:00 | 103 | | vr | 7:45 | 72 | -111 | ma | 9:06 | | -148 |
| | 17:17 | | -164 | | 14:05 | | | | 14:24 | 92 | |
| | 22:55 | 131 | | | 20:00 | 99 | | | 21:19 | | -151 |
| | | | | | | | | 31 | 2:45 | 92 | |
| | | | | | | | | di | 9:40 | | -144 |
| | | | | | | | | | 14:59 | 90 | |
| | | | | | | | | | 21:58 | | -147 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| April 2020 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|------------|--------------|-----------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 wo <i>EK 12:21</i> | 3:36 10:21 15:48 22:45 | 84 86 | -135 -136 | 11 za | 1:05 7:48 13:45 20:05 | 121 103 | -185 -190 | 21 di | 4:50 10:50 17:00 22:46 | 89 110 | -148 -143 |
| 2 do | 4:35 11:11 17:04 23:45 | 73 81 | -119 -120 | 12 zo | 1:45 8:29 14:15 20:46 | 112 102 | -173 -180 | 22 wo | 5:26 11:25 17:38 23:20 | 93 111 | -148 -148 |
| 3 vr | 6:00 12:15 18:45 | 65 83 | -101 | 13 ma | 2:30 9:09 14:45 21:28 | 100 100 | -157 -164 | 23 do <i>NM 4:26</i> | 6:00 11:55 18:13 23:54 | 98 111 | -149 -153 |
| 4 za | 1:26 7:24 14:06 19:55 | 69 95 | -114 -104 | 14 di | 3:15 9:48 15:35 22:12 | 85 96 | -138 -144 | 24 vr | 6:33 12:25 18:48 | 102 | -153 -157 |
| 5 zo | 2:48 8:37 15:16 21:06 | 80 109 | -130 -122 | 15 wo <i>LK 0:56</i> | 4:15 10:32 16:35 23:10 | 70 90 | -119 -122 | 25 za | 0:26 7:06 12:56 19:22 | 109 103 | -157 -158 |
| 6 ma | 3:55 9:45 16:17 21:56 | 90 121 | -149 -142 | 16 do | 5:30 11:36 17:45 | 58 85 | -99 | 26 zo | 0:55 7:37 13:21 19:55 | 104 102 | -157 -157 |
| 7 di | 4:49 10:46 17:08 22:50 | 97 128 | -168 -159 | 17 vr | 0:29 6:57 13:10 19:05 | 54 86 | -108 -95 | 27 ma | 1:25 8:10 13:48 20:29 | 97 98 | -154 -153 |
| 8 wo <i>VM 4:35</i> | 5:37 11:27 17:55 23:35 | 101 129 | -181 -175 | 18 za | 2:10 8:09 14:31 20:25 | 62 94 | -114 -108 | 28 di | 1:58 8:45 14:09 21:03 | 90 96 | -150 -151 |
| 9 do | 6:23 12:25 18:40 | 103 | -189 -186 | 19 zo | 3:16 9:15 15:32 21:26 | 74 103 | -130 -125 | 29 wo | 2:36 9:18 14:50 21:43 | 84 95 | -145 -148 |
| 10 vr | 0:26 7:06 13:05 19:24 | 127 104 | -191 -191 | 20 ma | 4:11 10:05 16:20 22:05 | 83 108 | -143 -137 | 30 do <i>EK 22:38</i> | 3:20 10:02 15:39 22:32 | 76 92 | -137 -140 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Mei 2020 | | | | | | | | | | | |
|-----------------|---------------------------------|------------|--------------|-----------------|---------------------------------|------------|--------------|-----------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 vr | 4:29 10:50 17:01 23:32 | 66 89 | -123 -129 | 11 ma | 1:25 8:06 13:55 20:29 | 100 110 | -166 -174 | 21 do | 4:55 10:45 17:10 22:45 | 94 105 | -140 -141 |
| 2 za | 5:55 11:56 18:15 | 62 92 | -108 | 12 di | 2:10 8:46 14:36 21:11 | 89 109 | -154 -159 | 22 vr | 5:28 11:25 17:49 23:25 | 101 106 | -146 -146 |
| 3 zo | 1:00 7:05 13:38 19:30 | 67 101 | -128 -110 | 13 wo | 3:01 9:25 15:20 21:55 | 76 105 | -140 -141 | 23 za | 6:06 11:55 18:26 | 106 | -150 -150 |
| 4 ma | 2:20 8:15 14:50 20:30 | 76 111 | -141 -126 | 14 do | 3:59 10:05 16:10 22:46 | 63 98 | -123 -122 | 24 zo | 0:00 6:38 12:30 19:03 | 104 107 | -153 -151 |
| 5 di | 3:26 9:15 15:50 21:32 | 85 118 | -155 -144 | 15 vr | 4:57 10:55 17:15 23:55 | 54 91 | -106 -109 | 25 ma | 0:34 7:15 13:06 19:38 | 98 105 | -153 -149 |
| 6 wo | 4:23 10:15 16:44 22:24 | 93 122 | -168 -160 | 16 za | 6:14 12:25 18:25 | 51 88 | -96 | 26 di | 1:15 7:53 13:35 20:15 | 91 103 | -148 -147 |
| 7 do | 5:13 11:16 17:33 23:10 | 99 122 | -177 -173 | 17 zo | 1:20 7:29 13:45 19:35 | 55 90 | -108 -101 | 27 wo | 1:56 8:26 14:05 20:52 | 84 102 | -145 -147 |
| 8 vr | 5:59 11:55 18:19 | 104 | -182 -183 | 18 ma | 2:35 8:35 14:46 20:39 | 65 94 | -116 -112 | 28 do | 2:25 9:06 14:56 21:35 | 77 101 | -140 -146 |
| 9 za | 0:00 6:45 12:40 19:05 | 118 108 | -182 -187 | 19 di | 3:30 9:25 15:40 21:26 | 75 99 | -127 -124 | 29 vr | 3:28 9:48 15:45 22:25 | 70 100 | -135 -140 |
| 10 zo | 0:45 7:26 13:15 19:46 | 110 110 | -177 -184 | 20 wo | 4:12 10:05 16:27 22:10 | 85 103 | -135 -134 | 30 za | 4:25 10:38 16:45 23:25 | 65 99 | -125 -134 |
| | | | | | | | | 31 zo | 5:35 11:40 17:50 | 63 100 | -114 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Juni 2020 | | | | | | | | | | | |
|-----------------|---------------------------------|------------|--------------|-----------------|---------------------------------|------------|--------------|-----------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 ma | 0:45 6:45 13:06 19:00 | 66 | -133 -112 | 11 do | 2:55 9:05 15:00 21:38 | 71 111 | -137 -135 | 21 zo | 5:38 11:30 18:05 23:46 | 108 99 | -140 -137 |
| 2 di | 1:55 7:50 14:20 20:05 | 72 | -140 -123 | 12 vr | 3:40 9:46 15:44 22:25 | 63 103 | -126 -121 | 22 ma | 6:17 12:05 18:43 | 110 | -143 -141 |
| 3 wo | 2:57 8:55 15:23 21:13 | 80 | -149 -137 | 13 za | 4:30 10:26 16:49 23:16 | 56 95 | -113 -109 | 23 di | 0:26 6:57 12:51 19:23 | 95 111 | -143 -144 |
| 4 do | 3:57 9:55 16:22 22:06 | 90 | -157 -151 | 14 zo | 5:24 11:25 17:45 | 54 89 | -100 | 24 wo | 1:06 7:35 13:26 20:03 | 90 111 | -143 -146 |
| 5 vr | 4:50 10:50 17:15 23:00 | 100 | -163 -163 | 15 ma | 0:21 6:24 12:51 18:45 | 55 86 | -102 -94 | 25 do | 1:45 8:13 14:00 20:46 | 84 112 | -141 -148 |
| 6 za | 5:39 11:34 18:03 23:55 | 108 | -167 -170 | 16 di | 1:26 7:29 13:56 19:45 | 60 87 | -102 -97 | 26 vr | 2:29 8:55 14:40 21:28 | 79 111 | -140 -147 |
| 7 zo | 6:24 12:26 18:49 | 114 | -166 -173 | 17 wo | 2:30 8:35 14:56 20:35 | 70 91 | -108 -105 | 27 za | 3:25 9:38 15:36 22:18 | 73 110 | -136 -143 |
| 8 ma | 0:34 7:06 13:00 19:33 | 100 117 | -162 -169 | 18 do | 3:26 9:20 15:55 21:25 | 82 95 | -117 -115 | 28 zo | 4:15 10:25 16:30 23:09 | 68 107 | -129 -136 |
| 9 di | 1:25 7:47 13:35 20:16 | 91 117 | -155 -161 | 19 vr | 4:16 10:05 16:40 22:15 | 93 99 | -127 -125 | 29 ma | 5:21 11:20 17:24 | 66 103 | -119 |
| 10 wo | 2:05 8:27 14:15 20:57 | 81 115 | -147 -149 | 20 za | 4:58 10:45 17:22 23:00 | 102 101 | -135 -132 | 30 di | 0:16 6:15 12:35 18:35 | 66 100 | -129 -112 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Juli 2020 | | | | | | | | | | | |
|----------------------------------|---------------------------------|----------|----------------------------|------------------------------------|---------------------------------|---------------------------|-----------|------------------------------------|---------------------------------|---------------------------|-----------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 wo | 1:25 7:30 13:50 19:45 | | -128 70 -115 99 | 11 za | 3:15 9:20 15:24 21:54 | 69 -130 108 -120 | | 21 di | 5:57 11:45 18:25 | -133 116 -138 | |
| 2 do | 2:35 8:32 15:00 20:55 | | -131 78 -125 100 | 12 zo | 3:45 9:55 16:05 22:25 | 65 -121 99 -111 | | 22 wo | 0:14 6:38 12:30 19:08 | 97 -138 120 -146 | |
| 3 vr | 3:35 9:35 16:05 21:55 | | -139 91 -138 103 | 13 ma <i>LK 1:29</i> | 4:35 10:36 16:50 23:15 | 63 -109 91 -103 | | 23 do | 0:55 7:20 13:05 19:50 | 94 -143 122 -153 | |
| 4 za | 4:30 10:36 17:00 23:03 | | -146 105 -151 104 | 14 di | 5:19 11:19 17:51 | 62 -96 84 | | 24 vr | 1:45 8:01 13:45 20:33 | 91 -146 123 -156 | |
| 5 zo <i>VM 6:44</i> | 5:21 11:26 17:48 23:56 | | -151 116 -158 102 | 15 wo | 0:05 6:15 12:45 18:48 | -96 65 -84 81 | | 25 za | 2:24 8:43 14:35 21:16 | 86 -147 122 -154 | |
| 6 ma | 6:07 12:10 18:36 | | -152 123 -160 | 16 do | 1:20 7:20 14:04 19:45 | -94 70 -86 83 | | 26 zo | 3:15 9:26 15:20 22:01 | 81 -144 118 -146 | |
| 7 di | 0:41 6:51 12:45 19:20 | | 97 -150 124 -156 | 17 vr | 2:30 8:15 15:10 20:50 | -100 79 -95 88 | | 27 ma <i>EK 14:33</i> | 4:05 10:10 16:15 22:48 | 76 -136 110 -134 | |
| 8 wo | 1:14 7:30 13:26 20:00 | | 88 -146 123 -149 | 18 za | 3:30 9:20 16:08 21:45 | -110 91 -107 93 | | 28 di | 5:05 11:00 17:04 23:45 | 72 -124 102 -120 | |
| 9 do | 2:05 8:08 13:54 20:40 | | 80 -142 120 -140 | 19 zo | 4:26 10:15 16:58 22:35 | -119 102 -118 97 | | 29 wo | 5:45 12:05 18:18 | 70 -110 94 | |
| 10 vr | 2:35 8:45 14:34 21:18 | | 74 -138 115 -130 | 20 ma <i>NM 19:33</i> | 5:15 11:00 17:45 23:25 | -127 111 -128 98 | | 30 do | 0:55 6:54 13:25 19:30 | -110 73 -105 91 | |
| | | | | | | | | 31 vr | 2:06 8:07 14:40 20:38 | -110 82 -112 93 | |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Augustus 2020 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|-----------|--------------|------------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 za | 3:16 9:20 15:50 21:50 | 99 | -119 -128 | 11 di <i>LK 18:45</i> | 3:40 10:00 16:01 22:25 | 77 94 | -119 -111 | 21 vr | 0:45 7:03 12:50 19:31 | 103 134 | -149 -163 |
| 2 zo | 4:15 10:15 16:47 22:45 | 115 | -132 -144 | 12 wo | 4:28 10:35 16:34 23:06 | 74 87 | -108 -102 | 22 za | 1:41 7:44 13:30 20:14 | 101 134 | -156 -165 |
| 3 ma <i>VM 17:59</i> | 5:07 11:10 17:37 23:40 | 127 | -140 -152 | 13 do | 5:15 11:16 17:35 23:59 | 73 80 | -94 -91 | 23 zo | 2:25 8:26 14:18 20:56 | 98 129 | -158 -159 |
| 4 di | 5:53 11:56 18:23 | 131 | -143 -152 | 14 vr | 6:20 12:20 18:55 | 74 77 | -79 | 24 ma | 3:15 9:07 15:00 21:38 | 92 122 | -153 -146 |
| 5 wo | 0:25 6:35 12:30 19:05 | 99 131 | -143 -147 | 15 za | 1:30 7:30 14:21 20:15 | 80 81 | -84 -80 | 25 di <i>EK 19:58</i> | 3:49 9:50 15:44 22:22 | 86 111 | -143 -129 |
| 6 do | 1:16 7:11 13:06 19:42 | 92 128 | -141 -139 | 16 zo | 2:56 8:39 15:31 21:15 | 91 90 | -92 -94 | 26 wo | 4:35 10:37 16:45 23:09 | 82 99 | -128 -110 |
| 7 vr | 1:35 7:47 13:43 20:17 | 86 124 | -140 -133 | 17 ma | 3:56 9:45 16:31 22:08 | 105 97 | -105 -111 | 27 do | 5:25 11:32 17:47 | 80 88 | -110 |
| 8 za | 2:04 8:22 14:04 20:48 | 83 119 | -138 -127 | 18 di | 4:48 10:36 17:21 23:05 | 117 102 | -118 -127 | 28 vr | 0:16 6:30 12:56 19:15 | 81 84 | -94 -97 |
| 9 zo | 2:35 8:55 14:45 21:20 | 81 112 | -134 -122 | 19 wo <i>NM 4:42</i> | 5:36 11:25 18:06 23:55 | 126 104 | -130 -142 | 29 za | 1:45 7:56 14:26 20:35 | 90 89 | -92 -103 |
| 10 ma | 3:05 9:28 15:24 21:52 | 79 103 | -128 -117 | 20 do | 6:20 12:05 18:47 | 131 | -140 -154 | 30 zo | 2:55 9:06 15:38 21:40 | 107 99 | -105 -123 |
| | | | | | | | | 31 ma | 3:56 10:00 16:33 22:40 | 124 106 | -123 -141 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| September 2020 | | | | | | | | | | | |
|-----------------------------|---------------------------------|----------------------------|----------------------------|-----------------------------|---------------------------------|----------------------------|-----------|----------------------------|---------------------------------|----------------------------|-----------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 di | 4:50 10:49 17:23 23:30 | | -135 134 -148 107 | 11 vr | 4:19 10:45 16:31 23:15 | 84 -105 84 -96 | | 21 ma | 2:06 8:05 13:49 20:32 | 107 -165 131 -158 | |
| 2 wo VM 7:22 | 5:36 11:30 18:05 | | -139 136 -146 | 12 za | 5:24 11:40 18:01 | 81 -89 76 | | 22 di | 2:35 8:47 14:35 21:13 | 103 -159 121 -143 | |
| 3 do | 0:15 6:15 12:05 18:43 | 103 -137 133 -138 | | 13 zo | 0:20 6:55 13:25 19:30 | -80 84 -78 79 | | 23 wo | 3:15 9:28 15:25 21:55 | 99 -146 108 -125 | |
| 4 vr | 0:50 6:50 12:40 19:17 | 99 -137 130 -132 | | 14 ma | 2:10 8:05 14:54 20:45 | -81 96 -92 89 | | 24 do EK 3:55 | 3:55 10:15 16:20 22:40 | 96 -128 94 -104 | |
| 5 za | 1:15 7:23 13:10 19:50 | 96 -138 127 -129 | | 15 di | 3:25 9:14 15:56 21:45 | -97 112 -112 100 | | 25 vr | 4:51 11:08 17:27 23:45 | 93 -108 82 -85 | |
| 6 zo | 1:40 7:57 13:35 20:18 | 95 -139 122 -127 | | 16 wo | 4:20 10:06 16:52 22:44 | -115 126 -132 107 | | 26 za | 5:55 12:25 18:55 | 93 -92 78 | |
| 7 ma | 2:05 8:28 14:10 20:48 | 95 -136 115 -125 | | 17 do NM 13:00 | 5:11 10:55 17:38 23:29 | -130 136 -148 111 | | 27 zo | 1:14 7:17 14:05 20:15 | -81 98 -98 85 | |
| 8 di | 2:25 8:58 14:34 21:18 | 94 -130 106 -122 | | 18 vr | 5:55 11:40 18:25 | -145 141 -161 | | 28 ma | 2:35 8:28 15:20 21:25 | -95 112 -118 96 | |
| 9 wo | 2:55 9:30 15:05 21:50 | 91 -124 99 -117 | | 19 za | 0:29 6:40 12:26 19:07 | 111 -156 142 -167 | | 29 di | 3:38 9:35 16:15 22:20 | -115 126 -135 105 | |
| 10 do LK 11:26 | 3:27 10:06 15:45 22:28 | 88 -116 93 -110 | | 20 zo | 1:10 7:23 13:10 19:50 | 110 -164 139 -167 | | 30 wo | 4:30 10:25 17:00 23:05 | -128 133 -141 107 | |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Oktober 2020 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 do <i>VM 23:05</i> | 5:12 10:55 17:42 23:45 | 133 | -133 -137 | 11 zo | 4:34 11:15 17:18 23:46 | 92 76 | -96 -82 | 21 wo | 2:05 8:26 14:10 20:48 | 113 115 | -157 -136 |
| 2 vr | 5:50 11:35 18:17 | 131 | -133 -130 | 12 ma | 6:10 12:45 19:05 | 93 78 | -86 | 22 do | 2:35 9:10 15:05 21:30 | 112 101 | -143 -119 |
| 3 za | 0:15 6:27 12:10 18:48 | 105 129 | -133 -126 | 13 di | 1:25 7:30 14:15 20:15 | 104 89 | -77 -99 | 23 vr <i>EK 15:23</i> | 3:25 9:55 16:05 22:15 | 109 87 | -124 -101 |
| 4 zo | 0:45 7:00 12:35 19:20 | 106 126 | -135 -126 | 14 wo | 2:46 8:36 15:22 21:15 | 119 100 | -94 -118 | 24 za | 4:22 10:46 17:04 23:05 | 105 76 | -104 -83 |
| 5 ma | 0:59 7:31 13:06 19:48 | 108 122 | -136 -127 | 15 do | 3:51 9:35 16:22 22:15 | 132 108 | -113 -136 | 25 zo | 4:25 11:06 17:24 23:46 | 102 72 | -89 -75 |
| 6 di | 1:25 8:05 13:36 20:18 | 108 115 | -132 -125 | 16 vr <i>NM 21:31</i> | 4:45 10:26 17:13 23:05 | 140 113 | -130 -150 | 26 ma | 5:35 12:36 18:50 | 103 77 | -92 |
| 7 wo | 1:55 8:36 14:06 20:50 | 105 107 | -126 -122 | 17 za | 5:32 11:16 17:59 | 143 | -145 -159 | 27 di | 1:00 7:05 13:55 19:55 | 110 88 | -87 -107 |
| 8 do | 2:25 9:06 14:25 21:23 | 102 100 | -122 -118 | 18 zo | 0:00 6:17 11:59 18:44 | 116 142 | -157 -164 | 28 wo | 2:06 7:54 14:46 20:44 | 119 97 | -103 -121 |
| 9 vr | 2:49 9:40 15:16 22:01 | 99 94 | -117 -111 | 19 ma | 0:45 7:01 12:45 19:26 | 116 136 | -164 -160 | 29 do | 3:00 8:50 15:32 21:36 | 125 103 | -117 -127 |
| 10 za <i>LK 2:39</i> | 3:28 10:25 16:00 22:46 | 96 85 | -109 -99 | 20 di | 1:25 7:45 13:30 20:08 | 115 127 | -164 -151 | 30 vr | 3:45 9:30 16:13 22:10 | 126 107 | -123 -126 |
| | | | | | | | | 31 za <i>VM 15:49</i> | 4:26 10:05 16:47 22:46 | 125 110 | -125 -123 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| November 2020 | | | | | | | | | | | |
|----------------------------|---------------------------------|----------|----------------------------|----------------------------|---------------------------------|-----------|----------------------------|-----------------------------|---------------------------------|-----------|----------------------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 zo | 4:58 10:35 17:21 23:15 | | -127 124 -122 113 | 11 wo | 5:55 12:46 18:35 | 109 85 | -105 | 21 za | 1:55 8:40 14:45 20:50 | 118 80 | -120 -103 |
| 2 ma | 5:36 11:05 17:53 23:25 | | -129 122 -124 115 | 12 do | 1:16 7:04 13:50 19:45 | | -93 120 -120 95 | 22 zo EK 5:45 | 2:44 9:29 15:35 21:40 | 112 71 | -103 -88 |
| 3 di | 6:08 11:35 18:25 | | -128 117 -124 | 13 vr | 2:18 8:01 14:53 20:40 | | -111 129 -133 104 | 23 ma | 3:50 10:40 16:49 23:00 | 107 67 | -89 -77 |
| 4 wo | 0:00 6:41 12:05 18:56 | | 115 -125 110 -122 | 14 za | 3:16 8:56 15:46 21:41 | | -127 135 -144 111 | 24 di | 5:00 11:56 17:58 | 103 68 | -85 |
| 5 do | 0:36 7:15 12:35 19:27 | | 111 -119 103 -118 | 15 zo NM 6:07 | 4:07 9:45 16:34 22:25 | | -141 136 -151 116 | 25 wo | 0:16 6:15 13:10 19:15 | | -79 103 -91 75 |
| 6 vr | 0:58 7:45 13:15 20:01 | | 108 -117 96 -115 | 16 ma | 4:55 10:35 17:21 23:24 | | -152 133 -152 119 | 26 do | 1:26 7:15 14:05 20:05 | | -88 106 -100 85 |
| 7 za | 1:18 8:22 13:55 20:38 | | 107 -114 90 -110 | 17 di | 5:41 11:25 18:04 | | -157 126 -150 | 27 vr | 2:26 8:05 14:56 20:45 | | -100 110 -109 94 |
| 8 zo LK 14:46 | 2:18 9:06 14:50 21:25 | | 104 -110 82 -101 | 18 wo | 0:03 6:26 12:05 18:46 | | 121 -156 116 -141 | 28 za | 3:15 8:55 15:38 21:36 | | -109 113 -113 103 |
| 9 ma | 3:05 10:02 16:10 22:22 | | 101 -101 75 -88 | 19 do | 0:35 7:10 13:00 19:28 | | 122 -149 105 -130 | 29 zo | 3:55 9:35 16:16 22:12 | | -115 115 -116 110 |
| 10 di | 4:39 11:20 17:35 23:56 | | 102 -96 77 -80 | 20 vr | 1:15 7:55 13:42 20:10 | | 121 -137 92 -118 | 30 ma VM 10:30 | 4:36 10:10 16:51 22:45 | | -118 116 -118 115 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| December 2020 | | | | | | | | | | | |
|---------------------------|---------------------------------|----------|----------------------------|-----------------------------|---------------------------------|----------|----------------------------|----------------------------|---------------------------------|----------------------------|-----------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 di | 5:12 10:45 17:26 23:10 | | -120 114 -121 117 | 11 vr | 0:42 6:30 13:20 19:18 | | -93 113 -115 85 | 21 ma | 2:25 9:06 15:09 21:12 | 115 -106 70 -101 | |
| 2 wo | 5:48 11:14 18:00 23:44 | | -120 109 -120 116 | 12 za | 1:48 7:35 14:25 20:22 | | -106 117 -123 95 | 22 di EK 0:41 | 3:24 9:56 15:55 21:55 | 107 -92 65 -87 | |
| 3 do | 6:23 11:56 18:35 | | -118 103 -119 | 13 zo | 2:52 8:36 15:22 21:15 | | -120 121 -132 106 | 23 wo | 4:15 10:56 16:45 23:15 | 99 -82 63 -77 | |
| 4 vr | 0:10 6:58 12:25 19:08 | | 114 -116 97 -115 | 14 ma NM 17:16 | 3:46 9:34 16:13 22:04 | | -134 122 -138 115 | 24 do | 5:15 12:00 17:54 | 93 -78 66 | |
| 5 za | 0:40 7:33 13:05 19:46 | | 112 -115 91 -113 | 15 di | 4:37 10:30 17:01 22:55 | | -144 120 -141 122 | 25 vr | 0:30 6:15 13:10 18:54 | -77 91 -81 73 | |
| 6 zo | 1:15 8:13 13:50 20:25 | | 112 -115 85 -111 | 16 wo | 5:25 11:20 17:46 23:41 | | -150 114 -140 126 | 26 za | 1:36 7:15 14:15 20:08 | -83 93 -89 83 | |
| 7 ma | 2:11 9:00 14:48 21:10 | | 110 -113 78 -106 | 17 do | 6:13 12:05 18:29 | | -149 105 -136 | 27 zo | 2:35 8:15 15:04 20:49 | -93 97 -99 95 | |
| 8 di LK 1:36 | 3:05 9:52 15:55 22:06 | | 109 -109 74 -97 | 18 vr | 0:20 6:56 12:56 19:10 | | 127 -144 95 -130 | 28 ma | 3:26 9:00 15:43 21:35 | -102 102 -108 105 | |
| 9 wo | 4:10 11:00 17:05 23:16 | | 108 -105 74 -89 | 19 za | 1:04 7:40 13:25 19:50 | | 125 -134 85 -122 | 29 di | 4:08 9:45 16:22 22:04 | -110 104 -114 111 | |
| 10 do | 5:15 12:15 18:10 | | 109 -107 78 | 20 zo | 1:40 8:25 14:20 20:30 | | 122 -120 77 -112 | 30 wo VM 4:28 | 4:50 10:25 17:05 22:51 | -114 104 -117 115 | |
| | | | | | | | | 31 do | 5:30 11:05 17:40 23:25 | -117 101 -119 116 | |