

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| Januari 2018 | | | | | | | | | | | |
|----------------------------|---------------------------------|----------|----------------------------|----------------------------|---------------------------------|----------|---------------------------|-----------------------------|---------------------------------|-----------|----------------------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 ma | 3:29 9:16 15:53 21:46 | | -128 118 -134 116 | 11 do | 5:10 12:06 17:50 | 93 70 | -94 | 21 zo | 0:24 7:18 12:56 19:26 | 117 87 | -125 -130 |
| 2 di VM 3:24 | 4:23 10:16 16:46 22:46 | | -142 118 -142 123 | 12 vr | 0:36 6:05 13:15 19:10 | | -90 86 -95 76 | 22 ma | 1:05 7:53 13:25 20:03 | 114 83 | -127 -131 |
| 3 wo | 5:14 10:59 17:32 23:26 | | -153 115 -147 127 | 13 za | 1:45 7:36 14:18 20:04 | | -96 86 -103 87 | 23 di | 1:46 8:32 14:06 20:38 | 110 79 | -127 -131 |
| 4 do | 6:01 11:56 18:16 | | -160 109 -149 | 14 zo | 2:46 8:30 15:11 21:16 | | -106 91 -111 100 | 24 wo EK 23:20 | 2:20 9:12 14:46 21:22 | 107 76 | -125 -127 |
| 5 vr | 0:16 6:48 12:46 19:03 | | 129 -162 102 -148 | 15 ma | 3:35 9:26 15:56 21:50 | | -115 95 -116 110 | 25 do | 3:06 9:58 15:24 22:09 | 103 74 | -119 -118 |
| 6 za | 0:57 7:33 13:24 19:47 | | 129 -158 95 -144 | 16 di | 4:22 10:10 16:36 22:25 | | -119 97 -118 115 | 26 vr | 3:55 10:56 16:25 23:12 | 98 73 | -109 -107 |
| 7 zo | 1:40 8:20 14:20 20:33 | | 127 -149 89 -135 | 17 wo NM 3:17 | 5:00 10:35 17:08 23:05 | | -119 95 -120 117 | 27 za | 5:04 12:05 17:54 | 92 77 | -103 |
| 8 ma LK 23:25 | 2:26 9:07 15:04 21:15 | | 121 -135 82 -123 | 18 do | 5:35 11:05 17:45 23:14 | | -119 93 -124 118 | 28 zo | 0:36 6:34 13:22 19:26 | | -103 93 -107 88 |
| 9 di | 3:26 9:56 15:54 22:09 | | 112 -118 76 -107 | 19 vr | 6:13 11:35 18:18 23:55 | | -120 92 -127 119 | 29 ma | 1:56 7:55 14:32 20:36 | | -113 100 -118 103 |
| 10 wo | 4:04 10:56 16:50 23:20 | | 102 -103 72 -94 | 20 za | 6:43 12:05 18:52 | | -123 90 -129 | 30 di | 3:08 9:00 15:36 21:25 | | -130 107 -131 117 |
| | | | | | | | | 31 wo VM 14:27 | 4:06 10:06 16:27 22:20 | | -148 110 -144 127 |

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Hoog- en laagwaterstanden en -tijdstippen

| Februari 2018 | | | | | | | | | | | |
|----------------------------|---------------------------------|----------|--------------|-----------------------------|---------------------------------|----------|--------------|----------------------------|---------------------------------|----------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 do | 4:56 10:56 17:15 23:05 | 109 | -161 -154 | 11 zo | 0:56 6:44 13:35 19:35 | 68 | -84 -88 | 21 wo | 1:26 8:13 13:46 20:23 | 111 | -144 -149 |
| 2 vr | 5:45 11:50 18:01 23:55 | 106 | -170 -160 | 12 ma | 2:10 8:05 14:36 20:35 | 75 | -95 -101 | 22 do | 1:56 8:50 14:10 21:02 | 106 | -139 -145 |
| 3 za | 6:31 12:25 18:45 | 100 | -172 -163 | 13 di | 3:16 9:00 15:29 21:26 | 84 | -109 -114 | 23 vr EK 9:09 | 2:36 9:32 15:06 21:51 | 100 | -130 -135 |
| 4 zo | 0:36 7:15 13:21 19:26 | 130 | -169 -160 | 14 wo | 3:58 9:57 16:08 22:06 | 89 | -119 -122 | 24 za | 3:36 10:22 16:00 22:46 | 90 | -117 -120 |
| 5 ma | 1:16 7:56 13:56 20:07 | 125 | -158 -152 | 15 do NM 22:05 | 4:38 10:36 16:46 22:36 | 91 | -124 -127 | 25 zo | 4:50 11:30 17:24 | 81 | -104 |
| 6 di | 1:56 8:37 14:36 20:48 | 117 | -142 -139 | 16 vr | 5:15 10:54 17:26 23:06 | 92 | -129 -133 | 26 ma | 0:05 6:25 12:56 19:00 | 81 | -111 -103 |
| 7 wo LK 16:54 | 2:40 9:18 15:10 21:30 | 106 | -124 -122 | 17 za | 5:48 11:30 17:58 23:35 | 94 | -134 -140 | 27 di | 1:35 7:45 14:16 20:10 | 89 | -119 -117 |
| 8 do | 3:30 10:06 15:45 22:21 | 93 | -105 -103 | 18 zo | 6:26 12:05 18:36 | 94 | -142 -146 | 28 wo | 2:56 8:45 15:16 21:05 | 98 | -138 -136 |
| 9 vr | 4:26 11:05 16:34 23:30 | 80 | -89 -87 | 19 ma | 0:10 6:59 12:40 19:08 | 119 | -146 -148 | | | | |
| 10 za | 5:14 12:16 17:34 | 70 | -82 | 20 di | 0:46 7:36 13:04 19:46 | 116 | -147 -150 | | | | |

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Hoog- en laagwaterstanden en -tijdstippen

| Maart 2018 | | | | | | | | | | | |
|----------------------------|---------------------------------|----------|----------------------------|-----------------------------|---------------------------------|---------------------------|-----------|-----------------------------|---------------------------------|----------------------------|-----------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 do | 3:50 9:50 16:10 21:54 | | -158 104 -151 127 | 11 zo | 4:20 10:40 17:05 23:56 | 61 -89 72 -84 | | 21 wo | 0:25 7:14 12:55 19:26 | 115 -163 93 -166 | |
| 2 vr VM 1:51 | 4:41 10:46 16:57 22:56 | | -172 105 -162 130 | 12 ma | 5:40 12:24 18:04 | 55 -83 73 | | 22 do | 1:06 7:52 13:15 20:05 | 109 -158 90 -164 | |
| 3 za | 5:26 11:24 17:42 23:37 | | -178 103 -170 129 | 13 di | 1:20 7:25 13:50 19:45 | -89 61 -96 84 | | 23 vr | 1:35 8:29 13:44 20:46 | 102 -150 88 -158 | |
| 4 zo | 6:11 12:15 18:24 | | -178 100 -173 | 14 wo | 2:35 8:35 14:50 20:55 | -105 74 -112 97 | | 24 za EK 16:35 | 2:20 9:10 14:34 21:32 | 93 -138 85 -146 | |
| 5 ma | 0:10 6:52 12:50 19:06 | | 126 -173 96 -172 | 15 do | 3:26 9:15 15:38 21:30 | -120 83 -126 106 | | 25 zo | 4:20 11:01 16:45 23:30 | 81 -123 81 -130 | |
| 6 di | 0:46 7:30 13:25 19:41 | | 119 -162 92 -165 | 16 vr | 4:08 9:54 16:18 22:06 | -132 89 -136 112 | | 26 ma | 5:44 12:06 18:26 | 72 -106 83 | |
| 7 wo | 1:26 8:07 13:55 20:18 | | 110 -148 89 -152 | 17 za NM 14:12 | 4:45 10:35 16:58 22:33 | -141 94 -145 116 | | 27 di | 0:56 7:05 13:41 19:46 | -120 73 -106 92 | |
| 8 do | 2:07 8:40 14:26 20:56 | | 98 -133 86 -137 | 18 zo | 5:22 11:05 17:35 23:16 | -151 97 -155 119 | | 28 wo | 2:26 8:36 14:56 20:51 | -130 81 -122 106 | |
| 9 vr LK 12:20 | 2:46 9:16 15:06 21:36 | | 85 -119 82 -119 | 19 ma | 5:59 11:56 18:13 23:50 | -160 98 -161 119 | | 29 do | 3:36 9:36 15:58 21:45 | -149 91 -141 117 | |
| 10 za | 3:20 9:45 15:50 22:26 | | 73 -105 77 -99 | 20 di | 6:37 12:20 18:50 | -164 97 -165 | | 30 vr | 4:33 10:24 16:53 22:46 | -167 97 -157 123 | |
| | | | | | | | | 31 za VM 14:37 | 5:22 11:36 17:36 23:26 | -177 100 -167 124 | |

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Hoog- en laagwaterstanden en -tijdstippen

| April 2018 | | | | | | | | | | | |
|-----------------|--|------------|--------------|-----------------|--|------------|--------------|-----------------|--|------------|--------------|
| 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 12:16 18:21 | 101 | -179 -173 | 11 wo | 1:20 7:24 14:06 19:35 | 53 80 | -94 -95 | 21 za | 2:35 9:10 14:35 21:33 | 96 97 | -155 -164 |
| 2 ma | 0:06 6:49 12:56 19:03 | 122 100 | -176 -175 | 12 do | 2:35 8:50 15:05 20:55 | 65 92 | -106 -111 | 22 zo | 3:20 9:53 EK 23:45 15:45 22:22 | 86 95 | -143 -152 |
| 3 di | 0:35 7:26 13:25 19:40 | 117 99 | -170 -174 | 13 vr | 3:40 9:34 16:00 21:46 | 78 103 | -123 -127 | 23 ma | 4:36 10:42 16:50 23:19 | 75 93 | -127 -137 |
| 4 wo | 1:16 8:04 13:46 20:17 | 111 99 | -162 -168 | 14 za | 4:25 10:25 16:49 22:25 | 88 111 | -138 -140 | 24 di | 5:46 11:56 18:00 | 70 94 | -111 |
| 5 do | 1:56 8:37 14:16 20:50 | 102 99 | -152 -158 | 15 zo | 5:12 10:55 17:30 23:16 | 95 116 | -152 -152 | 25 wo | 0:46 7:00 13:26 19:15 | 71 98 | -131 -112 |
| 6 vr | 2:26 9:06 14:35 21:26 | 91 96 | -142 -144 | 16 ma | 5:53 11:34 NM 3:57 18:12 23:44 | 100 118 | -163 -163 | 26 do | 2:05 8:10 14:36 20:26 | 77 106 | -141 -127 |
| 7 za | 2:55 9:36 15:26 22:00 | 80 91 | -133 -130 | 17 di | 6:34 12:31 18:50 | 103 | -171 -171 | 27 vr | 3:16 9:15 15:38 21:26 | 85 112 | -155 -144 |
| 8 zo | 3:40 10:12 LK 9:18 16:04 22:40 | 69 83 | -122 -114 | 18 wo | 0:30 7:14 13:06 19:29 | 117 102 | -174 -175 | 28 za | 4:12 10:15 16:32 22:15 | 92 115 | -168 -157 |
| 9 ma | 4:30 10:56 17:25 23:35 | 58 76 | -106 -97 | 19 do | 1:10 7:52 13:35 20:09 | 112 100 | -172 -175 | 29 zo | 5:00 11:10 17:17 23:06 | 97 114 | -173 -165 |
| 10 di | 5:56 12:10 18:36 | 50 74 | -88 | 20 vr | 1:45 8:32 13:55 20:50 | 105 98 | -165 -171 | 30 ma | 5:46 11:55 VM 2:58 18:04 23:39 | 100 112 | -172 -168 |

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Hoog- en laagwaterstanden en -tijdstippen

| Mei 2018 | | | | | | | | | | | |
|-----------------|--|------------|--------------|-----------------|---|------------|--------------|-----------------|---|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 di | 6:25 12:15 18:41 | 102 | -168 -169 | 11 vr | 1:46 7:45 14:20 20:06 | 63 92 | -112 -108 | 21 ma | 3:25 9:40 15:40 22:16 | 83 108 | -146 -155 |
| 2 wo | 0:26 7:03 12:50 19:19 | 107 105 | -162 -167 | 12 za | 2:45 8:35 15:21 21:00 | 75 102 | -126 -123 | 22 di | 4:25 10:30 EK 5:49 16:47 23:16 | 76 105 | -132 -144 |
| 3 do | 0:45 7:37 13:16 19:56 | 101 107 | -157 -162 | 13 zo | 3:46 9:46 16:09 21:56 | 87 110 | -141 -137 | 23 wo | 5:30 11:35 17:46 | 72 103 | -119 |
| 4 vr | 1:14 8:08 13:40 20:27 | 93 107 | -151 -153 | 14 ma | 4:36 10:36 17:01 22:40 | 96 115 | -154 -150 | 24 do | 0:35 6:46 13:00 18:50 | 70 103 | -139 -118 |
| 5 za | 1:55 8:38 14:15 20:59 | 84 103 | -146 -142 | 15 di | 5:26 11:16 NM 13:48 17:43 23:26 | 103 116 | -165 -162 | 25 vr | 1:46 7:50 14:16 20:06 | 74 103 | -143 -127 |
| 6 zo | 2:25 9:09 15:00 21:35 | 74 97 | -139 -132 | 16 wo | 6:07 12:07 18:29 | 106 | -171 -171 | 26 za | 2:50 9:06 15:15 21:00 | 80 105 | -151 -139 |
| 7 ma | 3:04 9:45 15:45 22:16 | 65 89 | -130 -121 | 17 do | 0:15 6:50 12:45 19:11 | 113 108 | -174 -176 | 27 zo | 3:46 9:55 16:10 22:06 | 88 105 | -159 -150 |
| 8 di | 4:06 10:26 LK 4:09 16:46 23:06 | 57 82 | -118 -110 | 18 vr | 0:56 7:31 13:25 19:56 | 107 108 | -171 -177 | 28 ma | 4:38 10:46 16:58 22:46 | 96 105 | -161 -156 |
| 9 wo | 5:05 11:20 17:45 | 52 79 | -103 | 19 za | 1:40 8:13 14:00 20:37 | 100 109 | -165 -173 | 29 di | 5:21 11:26 VM 16:20 17:43 23:30 | 102 103 | -160 -158 |
| 10 do | 0:25 6:14 13:15 19:00 | 53 83 | -104 -95 | 20 zo | 2:30 8:56 14:45 21:23 | 92 109 | -157 -166 | 30 wo | 6:03 12:06 18:23 | 107 | -155 -156 |
| | | | | | | | | 31 do | 0:05 6:40 12:30 19:00 | 99 111 | -151 -153 |

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Hoog- en laagwaterstanden en -tijdstippen

| Juni 2018 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|-----------|--------------|-----------------|---------------------------------|------------|--------------|-----------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW | LW | datum | uu:mm | HW | LW | datum | uu:mm | HW | LW |
| | | cm | NAP | | | cm | NAP | | | cm | NAP |
| 1 vr | 0:46 7:13 12:55 19:37 | 93 112 | -148 -148 | 11 ma | 3:06 9:00 15:35 21:20 | 86 108 | -136 -128 | 21 do | 5:16 11:15 17:20 | 75 109 | -126 |
| 2 za | 1:16 7:46 13:25 20:10 | 86 111 | -146 -142 | 12 di | 4:00 10:06 16:28 22:16 | 96 112 | -147 -142 | 22 vr | 0:05 6:10 12:25 18:26 | 72 102 | -138 -118 |
| 3 zo | 1:46 8:17 14:06 20:45 | 79 107 | -143 -135 | 13 wo | 4:56 10:56 17:21 23:06 | 105 112 | -157 -154 | 23 za | 1:16 7:20 13:40 19:36 | 72 97 | -133 -119 |
| 4 ma | 2:25 8:50 14:45 21:18 | 71 101 | -138 -130 | 14 do | 5:43 11:46 18:09 23:56 | 111 109 | -163 -165 | 24 zo | 2:26 8:25 14:48 20:36 | 77 96 | -134 -126 |
| 5 di | 2:55 9:26 15:15 21:55 | 65 94 | -132 -125 | 15 vr | 6:29 12:26 18:54 | 115 | -166 -172 | 25 ma | 3:26 9:26 15:45 21:36 | 87 97 | -139 -135 |
| 6 wo <i>LK 20:32</i> | 3:34 10:05 16:16 22:40 | 60 89 | -125 -120 | 16 za | 0:46 7:14 13:05 19:40 | 104 118 | -166 -176 | 26 di | 4:15 10:16 16:40 22:25 | 98 98 | -145 -143 |
| 7 do | 4:24 10:45 16:55 23:41 | 57 86 | -115 -116 | 17 zo | 1:24 7:56 13:50 20:26 | 97 120 | -164 -175 | 27 wo | 5:03 11:07 17:26 23:16 | 107 98 | -145 -144 |
| 8 vr | 5:45 11:45 18:16 | 58 87 | -104 | 18 ma | 2:25 8:41 14:46 21:15 | 91 120 | -159 -170 | 28 do | 5:43 11:40 18:05 23:56 | 114 95 | -143 -143 |
| 9 za | 0:56 6:45 13:20 19:26 | 64 92 | -116 -103 | 19 di | 3:13 9:26 15:30 22:02 | 85 119 | -151 -160 | 29 vr | 6:21 12:16 18:46 | 116 | -140 -139 |
| 10 zo | 1:54 8:06 14:36 20:27 | 74 100 | -125 -114 | 20 wo | 4:16 10:18 16:19 22:59 | 80 115 | -139 -148 | 30 za | 0:36 6:56 12:40 19:17 | 90 117 | -138 -135 |

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Hoog- en laagwaterstanden en -tijdstippen

| Juli 2018 | | | | | | | | | | | |
|----------------------------------|---------------------------------|-----------|--------------|-----------------|---------------------------------|------------|--------------|-----------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW | LW | datum | uu:mm | HW | LW | datum | uu:mm | HW | LW |
| | | cm | NAP | | | cm | NAP | | | cm | NAP |
| 1 zo | 1:00 7:26 13:05 19:56 | 85 115 | -139 -132 | 11 wo | 3:25 9:26 16:00 21:56 | 98 108 | -132 -131 | 21 za | 5:30 11:46 17:50 | 75 98 | -114 |
| 2 ma | 1:24 7:58 13:46 20:25 | 80 112 | -138 -131 | 12 do | 4:28 10:26 17:01 22:45 | 110 110 | -142 -146 | 22 zo | 0:35 6:15 13:00 18:44 | 72 89 | -114 -105 |
| 3 di | 2:05 8:32 14:26 21:02 | 75 107 | -136 -129 | 13 vr | 5:23 11:16 17:53 23:39 | 119 109 | -151 -159 | 23 ma | 1:46 7:40 14:16 19:55 | 76 86 | -110 -106 |
| 4 wo | 2:40 9:06 14:55 21:35 | 71 101 | -133 -129 | 14 za | 6:10 12:06 18:40 | 125 | -158 -170 | 24 di | 2:50 8:56 15:22 21:10 | 87 90 | -115 -116 |
| 5 do | 3:26 9:46 15:46 22:16 | 67 97 | -130 -127 | 15 zo | 0:35 6:56 12:50 19:26 | 105 129 | -163 -177 | 25 wo | 3:48 9:56 16:18 22:03 | 101 94 | -124 -127 |
| 6 vr <i>LK 9:51</i> | 3:54 10:26 16:20 23:02 | 64 95 | -125 -124 | 16 ma | 1:25 7:42 13:35 20:14 | 100 130 | -165 -177 | 26 do | 4:38 10:41 17:08 23:00 | 113 97 | -130 -132 |
| 7 za | 4:44 11:16 17:04 | 64 93 | -117 | 17 di | 2:26 8:26 14:26 20:58 | 95 129 | -163 -172 | 27 vr | 5:22 11:26 17:50 23:40 | 119 96 | -132 -132 |
| 8 zo | 0:00 6:05 12:16 18:15 | 67 92 | -119 -107 | 18 wo | 3:05 9:09 15:16 21:46 | 90 125 | -157 -161 | 28 za | 5:58 11:56 18:27 | 121 | -131 -129 |
| 9 ma | 1:10 7:15 13:47 19:34 | 74 96 | -118 -106 | 19 do | 4:01 9:57 16:05 22:36 | 85 118 | -146 -144 | 29 zo | 0:20 6:36 12:26 18:59 | 93 121 | -131 -128 |
| 10 di | 2:26 8:26 14:55 20:50 | 85 103 | -123 -117 | 20 vr | 4:46 10:45 16:56 23:25 | 79 108 | -130 -127 | 30 ma | 0:44 7:07 12:56 19:35 | 89 120 | -134 -130 |
| | | | | | | | | 31 di | 1:14 7:42 13:25 20:08 | 87 118 | -136 -131 |

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Hoog- en laagwaterstanden en -tijdstippen

| Augustus 2018 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|-----------|--------------|
| datum | uu:mm | HW | LW | datum | uu:mm | HW | LW | datum | uu:mm | HW | LW |
| | | cm | NAP | | | cm | NAP | | | cm | NAP |
| 1 wo | 1:50 8:16 14:07 20:40 | 85 114 | -137 -132 | 11 za <i>NM 11:58</i> | 5:03 10:55 17:36 23:24 | 129 111 | -143 -158 | 21 di | 0:55 6:30 13:25 19:24 | 79 76 | -87 -86 |
| 2 do | 2:20 8:47 14:36 21:16 | 81 109 | -136 -131 | 12 zo | 5:56 11:51 18:24 | 136 | -154 -169 | 22 wo | 2:10 8:15 14:55 20:56 | 87 82 | -90 -94 |
| 3 vr | 3:06 9:23 15:05 21:53 | 76 105 | -135 -131 | 13 ma | 0:26 6:40 12:35 19:08 | 109 138 | -162 -175 | 23 do | 3:16 9:26 15:56 21:57 | 102 91 | -102 -109 |
| 4 za <i>LK 20:18</i> | 3:36 10:02 15:46 22:35 | 74 102 | -133 -128 | 14 di | 1:27 7:26 13:20 19:54 | 105 137 | -167 -176 | 24 vr | 4:09 10:16 16:46 22:46 | 115 97 | -115 -120 |
| 5 zo | 4:04 10:46 16:36 23:26 | 73 98 | -127 -119 | 15 wo | 2:05 8:08 14:05 20:36 | 101 133 | -167 -168 | 25 za | 4:56 10:56 17:25 23:26 | 122 99 | -122 -123 |
| 6 ma | 4:54 11:40 17:35 | 73 93 | -115 | 16 do | 2:50 8:48 14:46 21:20 | 96 126 | -161 -154 | 26 zo <i>VM 13:56</i> | 5:35 11:30 18:03 | 124 | -125 -124 |
| 7 di | 0:26 6:30 12:56 19:10 | 77 92 | -109 -104 | 17 vr | 3:15 9:31 15:25 22:03 | 90 116 | -149 -136 | 27 ma | 0:06 6:12 11:55 18:38 | 98 124 | -128 -126 |
| 8 wo | 1:46 7:56 14:14 20:25 | 87 98 | -107 -108 | 18 za <i>EK 9:49</i> | 4:06 10:16 16:09 22:46 | 85 104 | -131 -116 | 28 di | 0:35 6:45 12:35 19:10 | 98 125 | -133 -131 |
| 9 do | 3:06 9:00 15:38 21:36 | 103 105 | -116 -123 | 19 zo | 4:35 11:00 17:05 23:35 | 81 91 | -112 -98 | 29 wo | 1:00 7:20 13:06 19:45 | 98 124 | -137 -136 |
| 10 vr | 4:06 10:06 16:43 22:36 | 118 110 | -129 -141 | 20 ma | 5:30 12:06 18:16 | 79 80 | -93 | 30 do | 1:24 7:56 13:36 20:18 | 96 121 | -139 -136 |
| | | | | | | | | 31 vr | 1:54 8:28 14:05 20:56 | 92 116 | -138 -135 |

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Hoog- en laagwaterstanden en -tijdstippen

September 2018

| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
|-----------------------------------|---------------------------------|------------|--------------|-----------------------------------|---------------------------------|------------|--------------|-----------------------------------|---------------------------------|------------|---------------------|
| 1 za | 2:30 9:03 14:40 21:28 | 88 111 | -138 -131 | 11 di | 0:10 6:20 12:15 18:48 | 113 141 | -160 -169 | 21 vr | 2:29 8:55 15:20 21:26 | 99 87 | -84 -92 |
| 2 zo | 3:06 9:40 15:16 22:08 | 85 106 | -136 -126 | 12 wo | 1:06 7:04 12:44 19:32 | 110 137 | -164 -166 | 22 za | 3:36 9:47 16:16 22:16 | 112 96 | -99 -107 |
| 3 ma <i>LK 4:37</i> | 3:29 10:23 15:55 22:53 | 85 99 | -130 -116 | 13 do | 1:46 7:46 13:24 20:14 | 106 131 | -165 -157 | 23 zo | 4:26 10:26 16:59 22:55 | 120 101 | -112 -116 |
| 4 di | 4:24 11:16 17:04 23:49 | 83 90 | -117 -102 | 14 vr | 2:16 8:25 14:03 20:51 | 102 122 | -159 -144 | 24 ma | 5:07 10:55 17:36 23:36 | 124 104 | -120 -121 |
| 5 wo | 6:06 12:26 18:56 | 84 87 | -103 | 15 za | 2:35 9:05 14:56 21:28 | 99 111 | -147 -127 | 25 di <i>VM 4:52</i> | 5:43 11:30 18:08 23:55 | 127 106 | -126 -127 |
| 6 do | 1:15 7:25 13:55 20:16 | 94 94 | -94 -104 | 16 zo | 3:16 9:42 15:36 22:02 | 96 98 | -130 -111 | 26 wo | 6:23 12:00 18:46 | 129 | -132 -135 |
| 7 vr | 2:41 8:35 15:15 21:20 | 110 104 | -104 -120 | 17 ma <i>EK 1:15</i> | 3:50 10:19 16:04 22:40 | 93 85 | -111 -95 | 27 do | 0:25 6:57 12:46 19:17 | 107 128 | 107 -138 -139 |
| 8 za | 3:46 9:40 16:26 22:20 | 126 111 | -121 -140 | 18 di | 4:40 11:05 17:05 23:30 | 89 73 | -90 -79 | 28 vr | 1:16 7:33 13:10 19:56 | 106 125 | 106 -141 -140 |
| 9 zo <i>NM 20:01</i> | 4:46 10:35 17:15 23:26 | 137 113 | -138 -157 | 19 wo | 5:45 12:30 18:40 | 85 67 | -74 | 29 za | 1:34 8:09 13:46 20:32 | 103 119 | 103 -141 -136 |
| 10 ma | 5:36 11:26 18:04 | 141 | -151 -166 | 20 do | 1:15 6:55 14:06 20:14 | 86 74 | -72 -76 | 30 zo | 2:00 8:43 14:10 21:07 | 99 113 | 99 -139 -130 |

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Hoog- en laagwaterstanden en -tijdstippen

| Oktober 2018 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|------------|--------------|------------------------------------|---------------------------------|--------------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 ma | 2:14 9:23 14:55 21:46 | 98 105 | -136 -123 | 11 do | 0:24 6:44 12:25 19:06 | 112 132 | -156 -152 | 21 zo | 2:56 8:56 15:36 21:25 | -86 105 90 | |
| 2 di <i>LK 11:45</i> | 3:10 10:05 15:45 22:32 | 97 95 | -129 -111 | 12 vr | 1:16 7:24 12:55 19:46 | 111 125 | -155 -144 | 22 ma | 3:46 9:35 16:16 22:15 | -101 115 99 | -108 |
| 3 wo | 4:14 11:01 17:04 23:26 | 94 85 | -115 -95 | 13 za | 1:24 8:04 13:35 20:23 | 110 116 | -149 -133 | 23 di | 4:32 10:16 16:55 22:56 | -113 122 106 | -119 |
| 4 do | 5:35 12:10 18:47 | 94 84 | -102 | 14 zo | 1:55 8:38 14:16 20:56 | 110 105 | -138 -121 | 24 wo <i>VM 18:45</i> | 5:16 10:44 17:37 23:36 | -122 127 111 | -129 |
| 5 vr | 0:50 7:06 13:46 19:45 | 103 91 | -86 -105 | 15 ma | 2:36 9:13 14:45 21:26 | 108 94 | -124 -110 | 25 do | 5:56 11:30 18:15 | -131 130 | -137 |
| 6 za | 2:20 8:16 15:01 21:00 | 116 101 | -98 -122 | 16 di <i>EK 20:02</i> | 3:16 9:50 15:25 22:02 | 104 82 | -108 -99 | 26 vr | 0:05 6:33 12:10 18:55 | 114 129 | -137 -141 |
| 7 zo | 3:25 9:15 16:06 22:06 | 129 108 | -116 -139 | 17 wo | 4:06 10:30 16:04 22:45 | 97 70 | -91 -84 | 27 za | 0:46 7:11 12:55 19:31 | 114 124 | -141 -140 |
| 8 ma | 4:26 10:09 16:57 22:55 | 137 112 | -134 -152 | 18 do | 4:54 11:36 17:40 23:45 | 90 62 | -73 -67 | 28 zo | 1:15 6:51 12:26 19:10 | 112 118 | -141 -135 |
| 9 di <i>NM 5:47</i> | 5:15 11:05 17:44 23:45 | 139 113 | -146 -157 | 19 vr | 6:15 12:55 19:30 | 88 65 | -68 | 29 ma | 0:40 7:27 13:06 19:47 | 110 110 | -139 -128 |
| 10 wo | 5:58 11:45 18:26 | 137 | -153 -157 | 20 za | 1:45 7:40 14:26 20:35 | 94 78 | -72 -79 | 30 di | 1:10 8:08 13:45 20:28 | 110 101 | -134 -119 |
| | | | | | | | | 31 wo <i>LK 17:40</i> | 2:10 8:57 14:44 21:15 | 108 90 | -126 -107 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| November 2018 | | | | | | | | | | | |
|----------------------------|---------------------------------|------------|--------------|-----------------------------|---------------------------------|-----------|--------------|----------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 do | 3:25 9:48 16:16 22:12 | 105 83 | -114 -93 | 11 zo | 6:40 12:10 18:58 | 108 | -137 -125 | 21 wo | 2:56 8:30 15:19 21:06 | 118 105 | -104 -117 |
| 2 vr | 4:30 10:59 17:26 23:36 | 106 82 | -104 -85 | 12 ma | 0:14 7:15 12:35 19:28 | 118 98 | -128 -118 | 22 do | 3:40 9:15 16:03 21:45 | 124 112 | -117 -128 |
| 3 za | 5:45 12:28 18:35 | 110 87 | -109 | 13 di | 0:55 7:52 13:14 20:00 | 116 88 | -116 -111 | 23 vr VM 6:39 | 4:28 10:06 16:47 22:35 | 126 117 | -127 -135 |
| 4 zo | 1:01 6:57 13:38 19:55 | 117 94 | -97 -122 | 14 wo | 1:35 8:29 13:45 20:35 | 110 78 | -104 -103 | 24 za | 5:08 10:45 17:29 23:20 | 125 119 | -135 -139 |
| 5 ma | 2:05 7:49 14:40 20:45 | 125 102 | -113 -135 | 15 do EK 15:54 | 2:37 9:06 14:34 21:12 | 102 70 | -92 -92 | 25 zo | 5:51 11:36 18:10 23:55 | 120 119 | -141 -139 |
| 6 di | 3:03 8:50 15:33 21:46 | 129 108 | -128 -143 | 16 vr | 3:20 9:49 15:40 22:00 | 95 63 | -81 -78 | 26 ma | 6:34 12:16 18:54 | 113 | -143 -135 |
| 7 wo NM 17:02 | 3:53 9:40 16:19 22:25 | 130 112 | -138 -145 | 17 za | 4:25 10:55 16:55 23:46 | 90 63 | -73 -67 | 27 di | 0:24 7:16 13:00 19:34 | 119 106 | -142 -130 |
| 8 do | 4:38 10:25 17:04 23:10 | 127 115 | -144 -143 | 18 zo | 5:34 12:20 18:25 | 91 71 | -78 | 28 wo | 1:04 8:00 13:56 20:17 | 119 97 | -137 -122 |
| 9 vr | 5:23 11:06 17:44 23:25 | 123 116 | -145 -138 | 19 ma | 1:06 6:45 13:25 19:14 | 99 82 | -77 -90 | 29 do | 2:05 8:48 14:50 21:06 | 118 89 | -129 -111 |
| 10 za | 6:04 11:34 18:21 23:54 | 116 118 | -143 -132 | 20 di | 2:01 7:45 14:25 20:26 | 109 94 | -91 -104 | 30 vr LK 1:19 | 3:15 9:41 15:55 22:00 | 115 83 | -119 -99 |

Holwerd

Hoog- en laagwaterstanden en -tijdstippen

| December 2018 | | | | | | | | | | | |
|---------------------------|---------------------------------|------------|--------------|-----------------------------|---------------------------------|------------|--------------|-----------------------------|---------------------------------|------------|--------------|
| datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP | datum | uu:mm | HW cm | LW NAP |
| 1 za | 4:10 10:50 17:06 23:16 | 113 80 | -111 -91 | 11 di | 0:16 6:58 12:35 19:05 | 121 91 | -119 -118 | 21 vr | 3:06 8:46 15:32 21:25 | 116 110 | -111 -124 |
| 2 zo | 5:15 12:05 18:10 | 111 81 | -111 | 12 wo | 0:46 7:32 12:55 19:38 | 118 84 | -112 -115 | 22 za VM 18:49 | 3:58 9:46 16:23 22:16 | 119 117 | -124 -132 |
| 3 ma | 0:36 6:15 13:16 19:25 | 111 86 | -97 -117 | 13 do | 1:15 8:07 13:35 20:12 | 112 77 | -105 -110 | 23 zo | 4:47 10:36 17:07 23:01 | 118 122 | -135 -138 |
| 4 di | 1:39 7:36 14:18 20:25 | 113 94 | -108 -125 | 14 vr | 2:06 8:42 14:05 20:51 | 105 71 | -99 -103 | 24 ma | 5:34 11:15 17:51 23:46 | 114 124 | -144 -141 |
| 5 wo | 2:46 8:36 15:12 21:20 | 115 103 | -120 -131 | 15 za EK 12:49 | 2:45 9:19 15:00 21:30 | 98 68 | -94 -95 | 25 di | 6:19 12:05 18:36 | 108 | -150 -142 |
| 6 do | 3:35 9:15 16:00 22:06 | 116 111 | -131 -134 | 16 zo | 3:35 10:10 15:55 22:26 | 93 66 | -89 -84 | 26 wo | 0:25 7:06 12:56 19:19 | 126 102 | -152 -140 |
| 7 vr NM 8:20 | 4:22 10:16 16:43 22:46 | 115 117 | -135 -132 | 17 ma | 4:25 11:16 17:26 23:24 | 91 69 | -86 -76 | 27 do | 1:16 7:50 13:45 20:06 | 126 95 | -149 -135 |
| 8 za | 5:06 10:56 17:23 23:25 | 112 120 | -136 -128 | 18 di | 5:55 12:30 18:15 | 94 77 | -91 | 28 vr | 2:01 8:37 14:46 20:50 | 125 88 | -142 -126 |
| 9 zo | 5:47 11:24 18:00 23:40 | 106 122 | -132 -124 | 19 wo | 1:06 6:56 13:36 19:36 | 101 88 | -84 -101 | 29 za LK 10:34 | 2:56 9:30 15:46 21:42 | 120 82 | -131 -114 |
| 10 ma | 6:23 12:00 18:33 | 99 | -126 -121 | 20 do | 2:05 7:45 14:36 20:25 | 109 100 | -97 -113 | 30 zo | 3:56 10:28 16:35 22:45 | 113 77 | -118 -102 |
| | | | | | | | | 31 ma | 4:56 11:35 17:25 | 106 74 | -109 |