

**Abfluss**



**Hintere Frenke - Reigoldswil**

Stationsnummer: BL 4329

Einzugsgebiet: 14.60 km<sup>2</sup>

Höhe Station: 489.00 m ü. M.

**Kanton Basel-Landschaft**

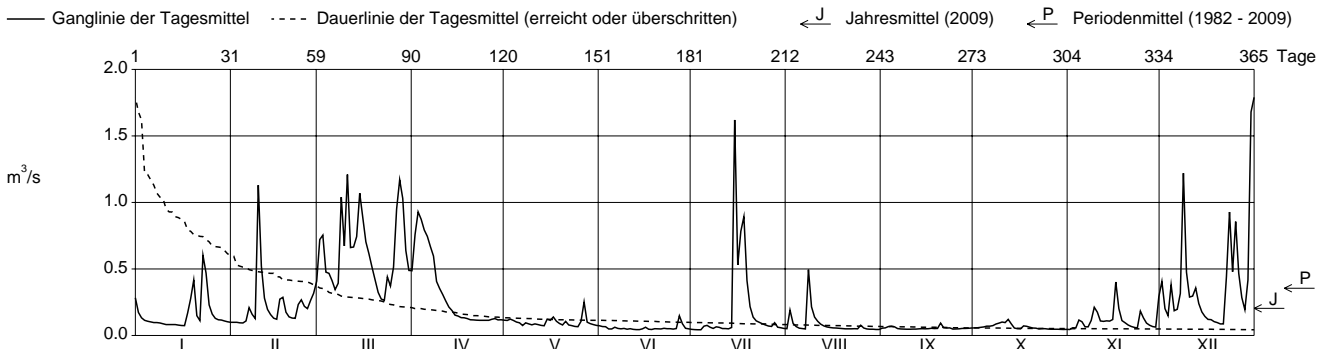
Tiefbauamt, Geschäftsbereich Wasserbau

Koordinaten: 618 980 / 250 560

Mittlere Höhe: - m ü. M.

| 2009              |    | Januar      | Februar     | März        | April        | Mai         | Juni        | Juli          | August      | September     | Oktober      | November     | Dezember    |                            |
|-------------------|----|-------------|-------------|-------------|--------------|-------------|-------------|---------------|-------------|---------------|--------------|--------------|-------------|----------------------------|
| Tagesmittel       | 1  | 0.283       | 0.099       | 0.408       | 0.487        | 0.115       | 0.073       | 0.046         | 0.051       | 0.055         | 0.057        | 0.045 -      | 0.406       | 1                          |
|                   | 2  | 0.173       | 0.099       | 0.721       | 0.758        | 0.113       | 0.067       | 0.044         | 0.191       | 0.057         | 0.058        | 0.058        | 0.202       | 2                          |
|                   | 3  | 0.133       | 0.099       | 0.754       | 0.929+       | 0.123       | 0.066       | 0.043 -       | 0.091       | 0.067         | 0.061        | 0.057        | 0.149       | 3                          |
|                   | 4  | 0.114       | 0.095       | 0.476       | 0.873        | 0.113       | 0.049       | 0.043 -       | 0.067       | 0.070         | 0.064        | 0.116        | 0.381       | 4                          |
|                   | 5  | 0.107       | 0.094 -     | 0.467       | 0.793        | 0.101       | 0.049       | 0.070         | 0.055       | 0.065         | 0.070        | 0.103        | 0.186       | 5                          |
|                   | 6  | 0.102       | 0.109       | 0.412       | 0.745        | 0.095       | 0.062       | 0.076         | 0.052       | 0.052         | 0.070        | 0.065        | 0.197       | 6                          |
|                   | 7  | 0.097       | 0.209       | 0.345       | 0.668        | 0.075       | 0.053       | 0.062         | 0.049       | 0.049         | 0.074        | 0.065        | 0.316       | 7                          |
|                   | 8  | 0.097       | 0.159       | 0.393       | 0.597        | 0.095       | 0.050       | 0.053         | 0.495+      | 0.048         | 0.086        | 0.113        | 1.22        | 8                          |
|                   | 9  | 0.094       | 0.128       | 1.04        | 0.406        | 0.087       | 0.053       | 0.065         | 0.215       | 0.047 -       | 0.093        | 0.212        | 0.475       | 9                          |
|                   | 10 | 0.088       | 1.13 +      | 0.673       | 0.353        | 0.080       | 0.047       | 0.061         | 0.138       | 0.047 -       | 0.101        | 0.175        | 0.289       | 10                         |
| m <sup>3</sup> /s | 11 | 0.082       | 0.521       | 1.21 +      | 0.308        | 0.087       | 0.051       | 0.052         | 0.107       | 0.048         | 0.097        | 0.109        | 0.296       | 11                         |
|                   | 12 | 0.082       | 0.281       | 0.661       | 0.259        | 0.082       | 0.046       | 0.052         | 0.085       | 0.048         | 0.121+       | 0.106        | 0.357       | 12                         |
|                   | 13 | 0.082       | 0.196       | 0.665       | 0.214        | 0.076       | 0.044 -     | 0.050         | 0.072       | 0.050         | 0.087        | 0.110        | 0.240       | 13                         |
|                   | 14 | 0.082       | 0.157       | 0.743       | 0.188        | 0.073       | 0.044 -     | 0.060         | 0.064       | 0.051         | 0.056        | 0.108        | 0.177       | 14                         |
|                   | 15 | 0.078       | 0.130       | 1.07        | 0.153        | 0.123       | 0.050       | 1.62 +        | 0.060       | 0.050         | 0.051        | 0.120        | 0.143       | 15                         |
|                   | 16 | 0.075       | 0.122       | 0.886       | 0.146        | 0.114       | 0.062       | 0.530         | 0.057       | 0.051         | 0.050        | 0.402+       | 0.121       | 16                         |
|                   | 17 | 0.074 -     | 0.273       | 0.704       | 0.134        | 0.139       | 0.047       | 0.783         | 0.056       | 0.054         | 0.072        | 0.202        | 0.119       | 17                         |
|                   | 18 | 0.168       | 0.287       | 0.614       | 0.133        | 0.107       | 0.045       | 0.893         | 0.054       | 0.052         | 0.069        | 0.112        | 0.104       | 18                         |
|                   | 19 | 0.278       | 0.175       | 0.513       | 0.127        | 0.090       | 0.051       | 0.413         | 0.052       | 0.053         | 0.062        | 0.096        | 0.097       | 19                         |
|                   | 20 | 0.417       | 0.140       | 0.418       | 0.118        | 0.079       | 0.050       | 0.217         | 0.050       | 0.093+        | 0.056        | 0.079        | 0.087 -     | 20                         |
| + Maximum         | 21 | 0.149       | 0.131       | 0.324       | 0.117        | 0.106       | 0.049       | 0.138         | 0.050       | 0.058         | 0.055        | 0.068        | 0.087 -     | 21                         |
|                   | 22 | 0.112       | 0.129       | 0.274       | 0.115        | 0.079       | 0.054       | 0.110         | 0.050       | 0.056         | 0.049        | 0.061        | 0.442       | 22                         |
|                   | 23 | 0.602+      | 0.233       | 0.264 -     | 0.114 -      | 0.074       | 0.051       | 0.099         | 0.051       | 0.057         | 0.051        | 0.056        | 0.928       | 23                         |
|                   | 24 | 0.469       | 0.268       | 0.440       | 0.114 -      | 0.068       | 0.051       | 0.088         | 0.050       | 0.048         | 0.051        | 0.183        | 0.479       | 24                         |
|                   | 25 | 0.230       | 0.219       | 0.372       | 0.114 -      | 0.066 -     | 0.048       | 0.079         | 0.077       | 0.049         | 0.048        | 0.132        | 0.856       | 25                         |
| - Minimum         | 26 | 0.161       | 0.202       | 0.514       | 0.114 -      | 0.106       | 0.052       | 0.071         | 0.056       | 0.050         | 0.047        | 0.093        | 0.467       | 26                         |
|                   | 27 | 0.129       | 0.263       | 0.950       | 0.122        | 0.252+      | 0.148+      | 0.068         | 0.049       | 0.053         | 0.047        | 0.077        | 0.285       | 27                         |
|                   | 28 | 0.118       | 0.317       | 1.17        | 0.127        | 0.100       | 0.088       | 0.096         | 0.047       | 0.053         | 0.047        | 0.067        | 0.194       | 28                         |
|                   | 29 | 0.116       |             | 1.03        | 0.117        | 0.089       | 0.054       | 0.062         | 0.047       | 0.054         | 0.046        | 0.063        | 0.417       | 29                         |
|                   | 30 | 0.109       |             | 0.639       | 0.118        | 0.082       | 0.050       | 0.058         | 0.045 -     | 0.056         | 0.045 -      | 0.291        | 1.68        | 30                         |
|                   | 31 | 0.103       |             | 0.489       |              | 0.076       |             | 0.053         | 0.045 -     |               | 0.046        |              | 1.79 +      | 31                         |
| Monatsumme        |    | 0.161       | 0.224       | 0.633+      | 0.319        | 0.099       | 0.057       | 0.199         | 0.085       | 0.055-        | 0.064        | 0.118        | 0.425       | m <sup>3</sup> /s          |
| Maximum (Spitze)  |    | 1.58<br>23. | 1.96<br>10. | 1.63<br>28. | 0.979<br>03. | 1.49<br>17. | 1.03<br>27. | 3.20 +<br>15. | 2.16<br>02. | 0.255-<br>20. | 0.305<br>12. | 0.689<br>16. | 2.95<br>31. | m <sup>3</sup> /s<br>Datum |

**Jahresmittel** 0.204 m<sup>3</sup>/s



| Periode                | 1982 - 2009 (28 Jahre) |               |                |               |               |               |                |                |               |                |               |               |                           |
|------------------------|------------------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|----------------|---------------|---------------|---------------------------|
| Monatsumme             | 0.392                  | 0.376         | 0.513          | 0.527+        | 0.407         | 0.344         | 0.264          | 0.203-         | 0.233         | 0.270          | 0.325         | 0.411         | m <sup>3</sup> /s         |
| Maximum (Spitze)       | 5.47<br>1982           | 5.41<br>1999  | 5.39<br>2001   | 7.71<br>2006  | 15.1<br>1994  | 6.46<br>1990  | 24.9 +<br>1997 | 10.9<br>2007   | 7.45<br>2006  | 3.39 -<br>1990 | 4.28<br>1995  | 5.69<br>1997  | m <sup>3</sup> /s<br>Jahr |
| Minimum (Momentanwert) | 0.066<br>2009          | 0.068<br>2008 | 0.090+<br>2008 | 0.079<br>2003 | 0.048<br>2009 | 0.040<br>2009 | 0.036<br>2009  | 0.024-<br>2003 | 0.040<br>2003 | 0.043<br>2009  | 0.043<br>2009 | 0.064<br>2005 | m <sup>3</sup> /s<br>Jahr |

**Grösstes Jahresmittel** 0.548 (1987) m<sup>3</sup>/s      **Periodenmittel** 0.355 m<sup>3</sup>/s      **Kleinstes Jahresmittel** 0.156 (2003) m<sup>3</sup>/s

| Dauer der Tagesmittelwerte des Abflusses (erreicht oder überschritten) |       |       |       |       |       |       |       |       |       |       |       |       |                   |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Tage   | 1     | 3     | 6     | 9     | 18    | 36    | 55    | 73    | 91    | 114   | 137   | 160   |                   |
| 2009   | 1.79  | 1.62  | 1.17  | 1.04  | 0.793 | 0.514 | 0.406 | 0.283 | 0.209 | 0.146 | 0.120 | 0.110 | m <sup>3</sup> /s |
| 1982 - 2009  | 2.68  | 2.00  | 1.62  | 1.40  | 1.07  | 0.774 | 0.607 | 0.495 | 0.425 | 0.360 | 0.306 | 0.262 | m <sup>3</sup> /s |
| Tage   | 182   | 205   | 228   | 251   | 274   | 292   | 310   | 329   | 347   | 356   | 362   | 365   |                   |
| 2009   | 0.097 | 0.087 | 0.074 | 0.065 | 0.057 | 0.053 | 0.051 | 0.049 | 0.047 | 0.045 | 0.044 | 0.043 | m <sup>3</sup> /s |
| 1982 - 2009  | 0.227 | 0.199 | 0.177 | 0.154 | 0.130 | 0.115 | 0.106 | 0.095 | 0.082 | 0.072 | 0.053 | 0.039 | m <sup>3</sup> /s |

**Wasserstand**



**Hintere Frenke - Reigoldswil**

Stationsnummer: BL 4329

Einzugsgebiet: 14.60 km<sup>2</sup>

Höhe Station: 489.00 m ü. M.

**Kanton Basel-Landschaft**

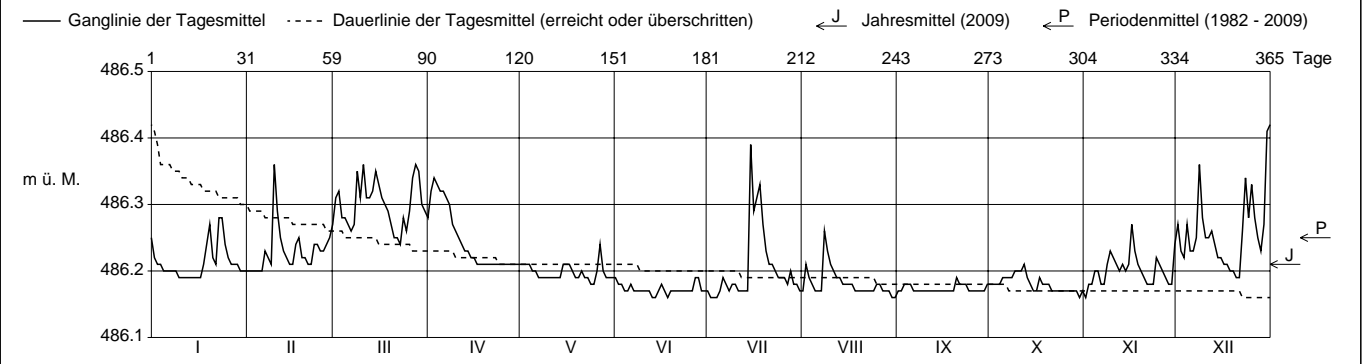
**Tiefbauamt, Geschäftsbereich Wasserbau**

Koordinaten: 618 980 / 250 560

Mittlere Höhe: - m ü. M.

| 2009                    | Januar        | Februar       | März          | April         | Mai           | Juni          | Juli            | August        | September       | Oktober       | November      | Dezember      |                  |
|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|---------------|-----------------|---------------|---------------|---------------|------------------|
| 1                       | 486.25        | 486.20 -      | 486.27        | 486.28        | 486.21        | 486.19 +      | 486.17          | 486.17        | 486.17 -        | 486.18        | 486.16 -      | 486.27        | 1                |
| 2                       | 486.22        | 486.20 -      | 486.31        | 486.32        | 486.21        | 486.18        | 486.16 -        | 486.21        | 486.17 -        | 486.18        | 486.18        | 486.23        | 2                |
| 3                       | 486.21        | 486.20 -      | 486.32        | 486.34 +      | 486.21        | 486.18        | 486.16 -        | 486.19        | 486.18          | 486.18        | 486.18        | 486.22        | 3                |
| 4                       | 486.21        | 486.20 -      | 486.28        | 486.33        | 486.21        | 486.17        | 486.16 -        | 486.18        | 486.18          | 486.18        | 486.20        | 486.27        | 4                |
| 5                       | 486.20        | 486.20 -      | 486.28        | 486.32        | 486.20        | 486.17        | 486.17          | 486.17        | 486.18          | 486.19        | 486.20        | 486.23        | 5                |
| <b>Tagesmittel</b>      |               |               |               |               |               |               |                 |               |                 |               |               |               |                  |
| 6                       | 486.20        | 486.20 -      | 486.27        | 486.32        | 486.20        | 486.18        | 486.19          | 486.17        | 486.17 -        | 486.19        | 486.18        | 486.23        | 6                |
| 7                       | 486.20        | 486.23        | 486.26        | 486.31        | 486.19        | 486.17        | 486.18          | 486.17        | 486.17 -        | 486.19        | 486.18        | 486.25        | 7                |
| 8                       | 486.20        | 486.22        | 486.27        | 486.30        | 486.19        | 486.17        | 486.17          | 486.26 +      | 486.17 -        | 486.19        | 486.21        | 486.36        | 8                |
| 9                       | 486.20        | 486.21        | 486.35        | 486.27        | 486.19        | 486.17        | 486.18          | 486.23        | 486.17 -        | 486.20        | 486.23        | 486.28        | 9                |
| 10                      | 486.19 -      | 486.36 +      | 486.31        | 486.26        | 486.19        | 486.17        | 486.18          | 486.21        | 486.17 -        | 486.20        | 486.22        | 486.25        | 10               |
| 11                      | 486.19 -      | 486.29        | 486.36 +      | 486.25        | 486.19        | 486.17        | 486.17          | 486.20        | 486.17 -        | 486.20        | 486.21        | 486.25        | 11               |
| 12                      | 486.19 -      | 486.25        | 486.31        | 486.24        | 486.19        | 486.17        | 486.17          | 486.19        | 486.17 -        | 486.21 +      | 486.20        | 486.26        | 12               |
| 13                      | 486.19 -      | 486.23        | 486.31        | 486.23        | 486.19        | 486.16 -      | 486.17          | 486.19        | 486.17 -        | 486.19        | 486.21        | 486.24        | 13               |
| <b>m ü. M.</b>          |               |               |               |               |               |               |                 |               |                 |               |               |               |                  |
| 14                      | 486.19 -      | 486.22        | 486.32        | 486.23        | 486.19        | 486.16 -      | 486.17          | 486.18        | 486.17 -        | 486.18        | 486.20        | 486.22        | 14               |
| 15                      | 486.19 -      | 486.21        | 486.35        | 486.22        | 486.21        | 486.17 -      | 486.39 +        | 486.18        | 486.17 -        | 486.17        | 486.21        | 486.22        | 15               |
| 16                      | 486.19 -      | 486.21        | 486.33        | 486.22        | 486.21        | 486.18        | 486.29          | 486.18        | 486.17 -        | 486.17        | 486.27 +      | 486.21        | 16               |
| 17                      | 486.19 -      | 486.24        | 486.31        | 486.21 -      | 486.21        | 486.17        | 486.31          | 486.18        | 486.17 -        | 486.19        | 486.23        | 486.21        | 17               |
| 18                      | 486.21        | 486.25        | 486.30        | 486.21 -      | 486.20        | 486.16 -      | 486.33          | 486.17        | 486.17 -        | 486.18        | 486.21        | 486.20        | 18               |
| 19                      | 486.24        | 486.22        | 486.29        | 486.21 -      | 486.19        | 486.17        | 486.27          | 486.17        | 486.17 -        | 486.18        | 486.20        | 486.20        | 19               |
| 20                      | 486.27        | 486.22        | 486.27        | 486.21 -      | 486.19        | 486.17        | 486.23          | 486.17        | 486.19 +        | 486.18        | 486.19        | 486.19        | 20               |
| 21                      | 486.22        | 486.21        | 486.25        | 486.21 -      | 486.20        | 486.17        | 486.21          | 486.17        | 486.18          | 486.17        | 486.18        | 486.19        | 21               |
| 22                      | 486.21        | 486.21        | 486.25        | 486.21 -      | 486.19        | 486.17        | 486.21          | 486.17        | 486.18          | 486.17        | 486.18        | 486.26        | 22               |
| <b>+ Maximum</b>        |               |               |               |               |               |               |                 |               |                 |               |               |               |                  |
| 23                      | 486.28 +      | 486.24        | 486.24        | 486.21 -      | 486.19        | 486.17        | 486.20          | 486.17        | 486.18          | 486.17        | 486.18        | 486.34        | 23               |
| 24                      | 486.28 +      | 486.24        | 486.28        | 486.21 -      | 486.18        | 486.17        | 486.19          | 486.17        | 486.17 -        | 486.17        | 486.22        | 486.28        | 24               |
| 25                      | 486.24        | 486.23        | 486.26        | 486.21 -      | 486.18        | 486.17        | 486.19          | 486.18        | 486.17 -        | 486.17        | 486.21        | 486.33        | 25               |
| <b>- Minimum</b>        |               |               |               |               |               |               |                 |               |                 |               |               |               |                  |
| 26                      | 486.22        | 486.23        | 486.29        | 486.21 -      | 486.20        | 486.17        | 486.19          | 486.18        | 486.17 -        | 486.17        | 486.20        | 486.28        | 26               |
| 27                      | 486.21        | 486.24        | 486.34        | 486.21 -      | 486.24 +      | 486.19 +      | 486.18          | 486.17        | 486.17 -        | 486.17        | 486.19        | 486.25        | 27               |
| 28                      | 486.21        | 486.25        | 486.36 +      | 486.21 -      | 486.20        | 486.19 +      | 486.20          | 486.17        | 486.17 -        | 486.17        | 486.18        | 486.23        | 28               |
| 29                      | 486.21        | 486.35        | 486.35        | 486.21 -      | 486.19        | 486.17        | 486.18          | 486.17        | 486.17 -        | 486.17        | 486.18        | 486.27        | 29               |
| 30                      | 486.20        | 486.30        | 486.30        | 486.21 -      | 486.19        | 486.17        | 486.18          | 486.16 -      | 486.18          | 486.16 -      | 486.24        | 486.41        | 30               |
| 31                      | 486.20        | 486.29        | 486.29        | 486.21 -      | 486.19        | 486.17        | 486.17          | 486.16 -      | 486.18          | 486.17        | 486.24        | 486.42 +      | 31               |
| <b>Monatsmittel</b>     | 486.21        | 486.23        | 486.30 +      | 486.25        | 486.20        | 486.17 -      | 486.21          | 486.18        | 486.17 -        | 486.18        | 486.20        | 486.26        | m ü. M.          |
| <b>Maximum (Spitze)</b> | 486.40<br>23. | 486.43<br>10. | 486.40<br>28. | 486.34<br>03. | 486.39<br>17. | 486.35<br>27. | 486.53 +<br>15. | 486.45<br>02. | 486.24 -<br>20. | 486.25<br>12. | 486.31<br>16. | 486.51<br>31. | m ü. M.<br>Datum |

**Jahreswerte in m ü. M.** Mittel 486.21 Maximum 486.42 (31.12.2009) Minimum 486.16 (03.07.2009) Spitze 486.53 (15.07.2009)



| Periode                | 1982 - 2009 (28 Jahre) |                |                  |                |                |                |                  |                  |                |                  |                |                |                 |
|------------------------|------------------------|----------------|------------------|----------------|----------------|----------------|------------------|------------------|----------------|------------------|----------------|----------------|-----------------|
| Monatsmittel           | 486.25                 | 486.25         | 486.28 +         | 486.28 +       | 486.26         | 486.25         | 486.23           | 486.22 -         | 486.22 -       | 486.23           | 486.24         | 486.26         | m ü. M.         |
| Maximum (Spitze)       | 486.66<br>1982         | 486.66<br>1999 | 486.66<br>2001   | 486.77<br>2006 | 487.02<br>1994 | 486.71<br>1990 | 487.34 +<br>1997 | 486.89<br>2007   | 486.76<br>2006 | 486.55 -<br>1990 | 486.60<br>1995 | 486.68<br>1997 | m ü. M.<br>Jahr |
| Minimum (Momentanwert) | 486.17<br>2004         | 486.17<br>1996 | 486.18 +<br>1996 | 486.17<br>1997 | 486.17<br>2009 | 486.16<br>2009 | 486.16<br>2009   | 486.14 -<br>2003 | 486.16<br>2003 | 486.16<br>2009   | 486.16<br>2009 | 486.17<br>2005 | m ü. M.<br>Jahr |

**Grösstes Jahresmittel** 486.28 (1987) m ü. M. **Periodenmittel** 486.25 m ü. M. **Kleinste Jahresmittel** 486.21 (2003) m ü. M.

| <b>Dauer der Tagesmittelwerte des Wasserstandes (erreicht oder überschritten)</b> |        |        |        |        |        |        |        |        |        |        |        |        |         |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Tage  | 1      | 3      | 6      | 9      | 18     | 36     | 55     | 73     | 91     | 114    | 137    | 160    |         |
| 2009  | 486.42 | 486.39 | 486.36 | 486.35 | 486.32 | 486.29 | 486.27 | 486.25 | 486.23 | 486.21 | 486.21 | 486.20 | m ü. M. |
| 1982 - 2009   | 486.49 | 486.44 | 486.40 | 486.39 | 486.35 | 486.32 | 486.30 | 486.29 | 486.27 | 486.26 | 486.25 | 486.24 | m ü. M. |
| Tage  | 182    | 205    | 228    | 251    | 274    | 292    | 310    | 329    | 347    | 356    | 362    | 365    |         |
| 2009  | 486.20 | 486.19 | 486.19 | 486.18 | 486.18 | 486.17 | 486.17 | 486.17 | 486.17 | 486.16 | 486.16 | 486.16 | m ü. M. |
| 1982 - 2009   | 486.23 | 486.22 | 486.22 | 486.21 | 486.21 | 486.20 | 486.20 | 486.19 | 486.18 | 486.18 | 486.17 | 486.16 | m ü. M. |