

**Grundwasserstände**

Birstal

Birsfelden

17.N.17

Baslerstrasse 38

Abstichpunkt:

252.54 m ü.M.

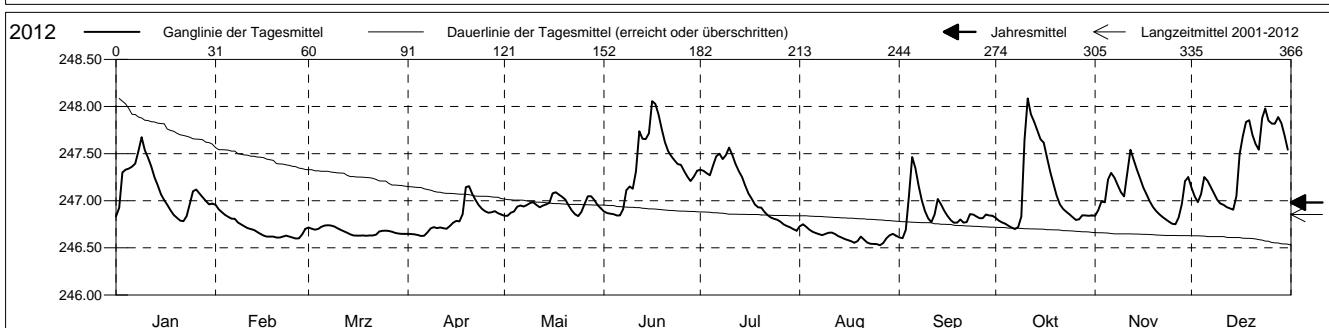
OK Terrain:

251.97 m ü.M.

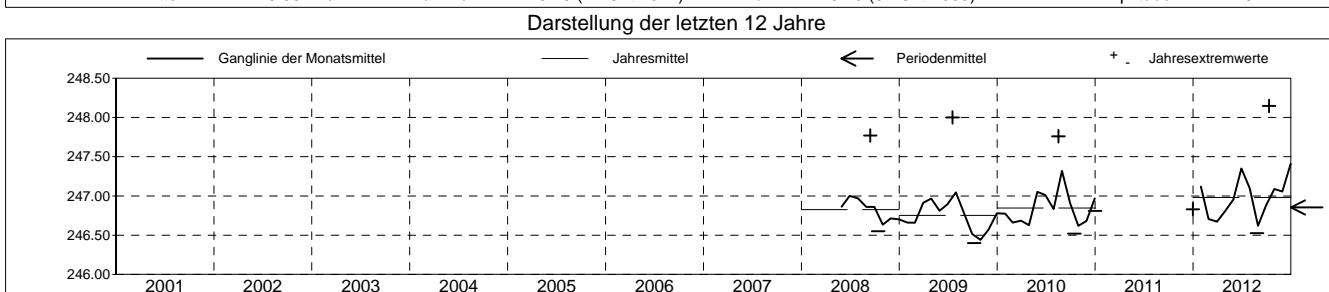
**Amt für Umweltschutz und Energie****Kanton Basel-Landschaft**

Koordinaten: 0.00 / 0.00

| 2012         | Januar   | Februar       | März     | April           | Mai      | Juni            | Juli     | August   | September | Oktober   | November | Dezember |    |
|--------------|----------|---------------|----------|-----------------|----------|-----------------|----------|----------|-----------|-----------|----------|----------|----|
| 1            | 246.83   | 246.96 +      | 246.72   | 246.65          | 246.84 - | 246.89          | 247.33   | 246.73   | 246.61    | 246.82    | 246.84   | 247.14   | 1  |
| 2            | 246.93   | 246.91        | 246.70   | 246.65          | 246.84 - | 246.87          | 247.32   | 246.75 + | 246.60 -  | 246.79    | 246.90   | 247.05   | 2  |
| 3            | 247.30   | 246.88        | 246.69   | 246.64          | 246.87   | 246.86          | 247.29   | 246.72   | 246.69    | 246.77    | 246.99   | 246.99   | 3  |
| 4            | 247.33   | 246.85        | 246.70   | 246.64          | 246.89   | 246.86          | 247.27   | 246.69   | 247.04    | 246.76    | 246.98   | 247.07   | 4  |
| Tagesmittel  | 247.34   | 246.83        | 246.72   | 246.63 -        | 246.94   | 246.84 -        | 247.38   | 246.67   | 247.46 +  | 246.74    | 247.23   | 247.25   | 5  |
| 6            | 247.36   | 246.81        | 246.74 + | 246.63 -        | 246.95   | 246.84 -        | 247.47   | 246.66   | 247.35    | 246.71    | 247.30   | 247.21   | 6  |
| 7            | 247.40   | 246.81        | 246.74 + | 246.66          | 246.94   | 246.91          | 247.50   | 246.64   | 247.16    | 246.70 -  | 247.24   | 247.15   | 7  |
| 8            | 247.53   | 246.77        | 246.74 + | 246.71          | 246.95   | 247.11          | 247.44   | 246.63   | 247.00    | 246.72    | 247.17   | 247.08   | 8  |
| 9            | 247.67 + | 246.75        | 246.73   | 246.72          | 246.98   | 247.15          | 247.48   | 246.65   | 246.89    | 246.83    | 247.09   | 247.01   | 9  |
| 10           | 247.54   | 246.73        | 246.71   | 246.71          | 246.98   | 247.13          | 247.56 + | 246.66   | 246.81    | 246.75    | 247.05   | 246.97   | 10 |
| 11           | 247.46   | 246.71        | 246.69   | 246.72          | 246.96   | 247.31          | 247.49   | 246.66   | 246.77    | 248.09 +  | 247.29   | 246.96   | 11 |
| 12           | 247.36   | 246.70        | 246.68   | 246.71          | 246.93   | 247.74          | 247.39   | 246.65   | 246.85    | 247.92    | 247.54 + | 246.93   | 12 |
| 13           | 247.25   | 246.69        | 246.66   | 246.70          | 246.95   | 247.66          | 247.31   | 246.63   | 247.02    | 247.84    | 247.44   | 246.92   | 13 |
| 14           | 247.17   | 246.67        | 246.64   | 246.73          | 246.96   | 247.65          | 247.25   | 246.61   | 246.96    | 247.75    | 247.33   | 246.91 - | 14 |
| 15           | 247.07   | 246.65        | 246.63 - | 246.76          | 246.98   | 247.72          | 247.16   | 246.60   | 246.89    | 247.65    | 247.24   | 247.05   | 15 |
| Max. +       | 247.01   | 246.63        | 246.63 - | 246.79          | 247.08   | 248.06 +        | 247.08   | 246.58   | 246.84    | 247.62    | 247.14   | 247.49   | 16 |
| 17           | 246.96   | 246.62        | 246.63 - | 246.78          | 247.09 + | 248.03          | 247.02   | 246.57   | 246.79    | 247.46    | 247.07   | 247.68   | 17 |
| 18           | 246.90   | 246.62        | 246.63 - | 246.86          | 247.06   | 247.92          | 246.96   | 246.55   | 246.77    | 247.30    | 246.99   | 247.84   | 18 |
| 19           | 246.85   | 246.62        | 246.63 - | 247.14          | 247.04   | 247.76          | 246.93   | 246.57   | 246.77    | 247.18    | 246.94   | 247.86   | 19 |
| Min. -       | 246.82   | 246.61        | 246.63 - | 247.15 +        | 247.01   | 247.62          | 246.93   | 246.62   | 246.80    | 247.06    | 246.89   | 247.70   | 20 |
| 21           | 246.79   | 246.61        | 246.63 - | 247.07          | 246.95   | 247.53          | 246.88   | 246.59   | 246.77    | 246.96    | 246.86   | 247.60   | 21 |
| 22           | 246.78 - | 246.62        | 246.64   | 247.01          | 246.90   | 247.47          | 246.85   | 246.56   | 246.77    | 246.91    | 246.83   | 247.54   | 22 |
| 23           | 246.84   | 246.63        | 246.67   | 246.95          | 246.86   | 247.43          | 246.82   | 246.54   | 246.86    | 246.88    | 246.80   | 247.88   | 23 |
| 24           | 246.97   | 246.62        | 246.68   | 246.91          | 246.84 - | 247.39          | 246.81   | 246.54   | 246.85    | 246.85    | 246.78   | 247.98 + | 24 |
| 25           | 247.10   | 246.61        | 246.68   | 246.89          | 246.88   | 247.38          | 246.80   | 246.54   | 246.83    | 246.76    | 247.85   | 247.85   | 25 |
| 26           | 247.12   | 246.60 -      | 246.68   | 246.87          | 246.97   | 247.31          | 246.78   | 246.53 - | 246.82    | 246.80    | 246.75 - | 247.82   | 26 |
| 27           | 247.08   | 246.60 -      | 246.67   | 246.88          | 247.05   | 247.26          | 246.75   | 246.55   | 246.81    | 246.80    | 246.82   | 247.82   | 27 |
| 28           | 247.04   | 246.64        | 246.66   | 246.89          | 247.05   | 247.21          | 246.73   | 246.60   | 246.85    | 246.85    | 246.96   | 247.89   | 28 |
| 29           | 247.00   | 246.70        | 246.65   | 246.87          | 247.01   | 247.26          | 246.72   | 246.63   | 246.84    | 246.84    | 247.21   | 247.82   | 29 |
| 30           | 246.96   |               | 246.65   | 246.85          | 246.95   | 247.32          | 246.70   | 246.65   | 246.84    | 246.84    | 247.25   | 247.69   | 30 |
| 31           | 246.97   |               | 246.65   |                 | 246.92   |                 | 246.68 - | 246.63   |           | 246.84    |          | 247.54   | 31 |
| Monatsmittel | 247.12   | 246.70        | 246.67   | 246.81          | 246.96   | 247.35          | 247.10   | 246.62 - | 246.88    | 247.09    | 247.06   | 247.41 + |    |
| Maximum      | 247.68   | 246.96        | 246.74 - | 247.21          | 247.11   | 248.13          | 247.58   | 246.75   | 247.50    | 248.15 +  | 247.56   | 248.11   |    |
| Datum        | 08.01    | 01.02         | 07.03    | 19.04           | 16.05    | 16.06           | 10.07    | 02.08    | 05.09     | 11.10     | 12.11    | 23.12    |    |
| Amplitude    | 0.90     | 0.36          | 0.12     | 0.59            | 0.28     | 1.29            | 0.90     | 0.23     | 0.90      | 1.45      | 0.82     | 1.21     |    |
| Jahr 2012    | Mittel   | 246.98 m ü.M. | Maximum  | 248.15 (11.Okt) | Minimum  | 246.53 (27.Aug) |          |          |           | Amplitude | 1.62 m   |          |    |

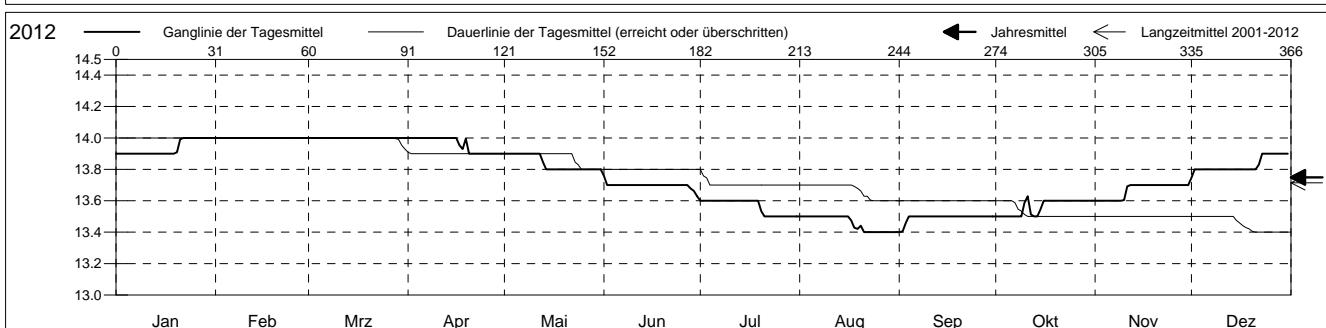


| 2001 - 2012  |        |               |         |                      |         |                      |        |        |           |          |        |        |
|--------------|--------|---------------|---------|----------------------|---------|----------------------|--------|--------|-----------|----------|--------|--------|
| Periode      | Mittel | 246.85 m ü.M. | Maximum | 248.15 (11.Okt 2012) | Minimum | 246.40 (07.Okt 2009) |        |        | Amplitude | 1.75 m   |        |        |
| Monatsmittel | 246.85 | 246.67 -      | 246.76  | 246.80               | 246.92  | 247.06 +             | 246.99 | 246.89 | 246.79    | 246.70   | 246.76 | 246.96 |
| Maximum      | 247.68 | 246.96 -      | 247.13  | 247.21               | 247.58  | 248.13               | 248.00 | 247.76 | 247.77    | 248.15 + | 247.56 | 248.11 |
| Jahr         | 2012   | 2012          | 2009    | 2012                 | 2010    | 2012                 | 2009   | 2010   | 2008      | 2012     | 2012   | 2012   |
| Minimum      | 246.54 | 246.56        | 246.57  | 246.53               | 246.57  | 246.69 +             | 246.67 | 246.53 | 246.43    | 246.40 - | 246.41 | 246.58 |
| Jahr         | 2009   | 2010          | 2010    | 2010                 | 2010    | 2009                 | 2012   | 2012   | 2009      | 2012     | 2012   | 2008   |
| Amplitude    | 0.94   | 0.36 -        | 0.44    | 0.59                 | 1.01    | 1.29                 | 1.25   | 0.86   | 1.13      | 1.45 +   | 0.82   | 1.21   |
| Jahr         | 2010   | 2012          | 2009    | 2012                 | 2010    | 2012                 | 2009   | 2008   | 2008      | 2012     | 2012   | 2012   |



|                       |  |               |         |                  |   |  |  |  |  |                          |  |
|-----------------------|--|---------------|---------|------------------|---|--|--|--|--|--------------------------|--|
| Grundwassertemperatur |  |               |         | Birstal          | Amt für Umweltschutz und Energie<br>Kanton Basel-Landschaft |  |  |  |  |                          |  |
|                       |  | Birsfelden    | 17.N.17 | Baslerstrasse 38 |   |  |  |  |  |                          |  |
|                       |  | Abstichpunkt: |         | 252.54           | m ü.M.  |  |  |  |  | Koordinaten: 0.00 / 0.00 |  |
|                       |  | OK Terrain:   |         | 251.97           | m ü.M.  |  |  |  |  |                          |  |

| 2012         | Januar | Februar | März   | April   | Mai           | Juni   | Juli    | August        | September | Oktober   | November | Dezember |    |
|--------------|--------|---------|--------|---------|---------------|--------|---------|---------------|-----------|-----------|----------|----------|----|
| 1            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.8 + | 13.6 +  | 13.5 +        | 13.4 -    | 13.5 -    | 13.6 -   | 13.7 -   | 1  |
| 2            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.4 -    | 13.5 -    | 13.6 -   | 13.8 -   | 2  |
| 3            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.6 -   | 13.8 -   | 3  |
| 4            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.6 -   | 13.8 -   | 4  |
| 5            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.6 -   | 13.8 -   | 5  |
| Tagesmittel  |        |         |        |         |               |        |         |               |           |           |          |          |    |
| 6            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.6 -   | 13.8 -   | 6  |
| 7            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.6 -   | 13.8 -   | 7  |
| 8            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.6 -   | 13.8 -   | 8  |
| 9            | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.6 -   | 13.8 -   | 9  |
| 10           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.6 +    | 13.6 -   | 13.8 -   | 10 |
| 11           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 11 |
| 12           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 +        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.7 +   | 13.8 -   | 12 |
| 13           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.8 -        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.7 +   | 13.8 -   | 13 |
| 14           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.8 -        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.7 +   | 13.8 -   | 14 |
| 15           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.8 -        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.5 -    | 13.7 +   | 13.8 -   | 15 |
| Max. +       |        |         |        |         |               |        |         |               |           |           |          |          |    |
| 16           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.8 -        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 16 |
| 17           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.8 -        | 13.7   | 13.6 +  | 13.5 +        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 17 |
| 18           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 -        | 13.8 - | 13.6 +  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 18 |
| 19           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.8 -        | 13.7   | 13.6 +  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 19 |
| 20           | 13.9 - | 14.0 +  | 14.0 + | 14.0 +  | 13.9 -        | 13.8 - | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 20 |
| Min. -       |        |         |        |         |               |        |         |               |           |           |          |          |    |
| 21           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 21 |
| 22           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.8 -   | 22 |
| 23           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 23 |
| 24           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 24 |
| 25           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 25 |
| 26           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 26 |
| 27           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 27 |
| 28           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 28 |
| 29           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.7   | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 29 |
| 30           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.6 - | 13.5 -  | 13.4 -        | 13.5 +    | 13.6 +    | 13.7 +   | 13.9 +   | 30 |
| 31           | 14.0 + | 14.0 +  | 14.0 + | 13.9 -  | 13.8 -        | 13.5 - | 13.4 -  | 13.4 -        | 13.6 +    | 13.6 +    | 13.6 +   | 13.9 +   | 31 |
| Monatsmittel | 13.9   | 14.0 +  | 14.0 + | 14.0 +  | 13.8          | 13.7   | 13.6    | 13.5 -        | 13.5 -    | 13.6      | 13.7     | 13.8     |    |
| Maximum      | 14.0 + | 14.0 +  | 14.0 + | 14.0 +  | 13.9          | 13.8   | 13.6    | 13.5 -        | 13.5 -    | 13.7      | 13.7     | 13.9     |    |
| Datum        | 20.01  | 01.02   | 01.03  | 01.04   | 01.05         | 01.06  | 01.07   | 01.08         | 02.09     | 10.10     | 10.11    | 22.12    |    |
| Minimum      | 13.9   | 14.0 +  | 14.0 + | 13.9    | 13.8          | 13.6   | 13.5    | 13.4 -        | 13.5      | 13.6      | 13.6     | 13.7     |    |
| Datum        | 01.01  | 01.02   | 01.03  | 17.04   | 13.05         | 28.06  | 20.07   | 17.08         | 01.09     | 01.10     | 01.11    | 01.12    |    |
| Amplitude    | 0.1    | 0.0 +   | 0.0 +  | 0.1     | 0.1           | 0.2    | 0.1     | 0.1           | 0.1       | 0.2       | 0.2      | 0.2      |    |
| Jahr 2012    | Mittel | 13.7 °C |        | Maximum | 14.0 (20.Jan) |        | Minimum | 13.4 (17.Aug) |           | Amplitude | 0.6 °C   |          |    |



| Periode        | 2001 - 2012 |         |        |         |                    |       |         |                    |        |           |        |       |
|----------------|-------------|---------|--------|---------|--------------------|-------|---------|--------------------|--------|-----------|--------|-------|
| Monatsmittel   | 14.0 +      | 14.0 +  | 14.0 + | 13.9    | 13.8               | 13.7  | 13.5    | 13.4 -             | 13.5   | 13.5      | 13.7   | 13.8  |
| Maximum Jahr   | 14.1 +      | 14.1 +  | 14.1 + | 14.0    | 14.0               | 13.8  | 13.7    | 13.6 -             | 13.7   | 13.7      | 13.9   | 14.0  |
| Minimum Jahr   | 13.8        | 13.9 +  | 13.9 + | 13.7    | 13.6               | 13.5  | 13.4 -  | 13.4 -             | 13.4 - | 13.4 -    | 13.5   | 13.7  |
| Amplitude Jahr | 0.1         | 0.0 -   | 0.1    | 0.2 +   | 0.2 +              | 0.2 + | 0.2 +   | 0.1                | 0.2 +  | 0.2 +     | 0.2 +  | 0.2 + |
| Periode        | Mittel      | 13.7 °C |        | Maximum | 14.1 (16.Jan 2009) |       | Minimum | 13.4 (26.Jul 2009) |        | Amplitude | 0.7 °C |       |

