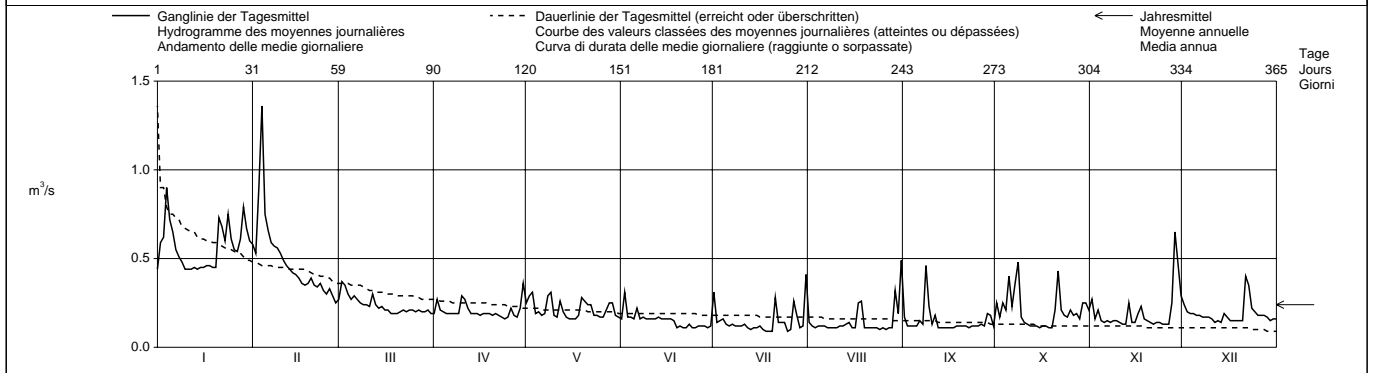


| | | | | | | | | |
|--|--|-------------------|---|-------|----------------------------|--|-------|-----------------|
| Abfluss Débit Portata | Marchbach - Oberwil | | | | BL 312 | | | |
| | Koordinaten Coordonnées Coordinate | 609 100 / 262 460 | Höhe Altitude Altitudine | 296.0 | m ü.M. m s.m. m s.m. | Fläche Surface Superficie | 27.00 | km ² |
| | | | Mittlere Höhe Altitude moyenne Altitudine media | 462.0 | m ü.M. m s.m. m s.m. | Vergletscherung Extension glacier Ghiacciaio | 0.00 | % |

| 2003 | | Jan./Janv. Genn. | Feb./Févr. Febbr. | März/Mars Marzo | April/Avril Aprile | Mai/Mai Maggio | Juni/Juin Giugno | Juli/Juillet Luglio | Aug./Août Agosto | Sept./Sept. Sett. | Okt./Oct. Ott. | Nov./Nov. Nov. | Dez./Déc. Dic. | |
|---------------------|----|---------------------|----------------------|--------------------|-----------------------|-------------------|---------------------|------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|----|
| Tagesmittel | 1 | 0.44 | 0.58 | 0.27 | 0.19 | 0.25 | 0.16 | 0.31 | 0.14 | 0.17 | 0.25 | 0.27 | 0.24 | 1 |
| | 2 | 0.59 | 0.53 | 0.37 | 0.27 | 0.29 | 0.31 | 0.14 | 0.12 | 0.12 | 0.17 | 0.16 | 0.20 | 2 |
| | 3 | 0.62 | 0.90 | 0.35 | 0.21 | 0.31 | 0.17 | 0.15 | 0.11 | 0.12 | 0.25 | 0.21 | 0.19 | 3 |
| | 4 | 0.90 | 1.36 | 0.30 | 0.20 | 0.19 | 0.17 | 0.16 | 0.12 | 0.12 | 0.21 | 0.15 | 0.19 | 4 |
| Moyenne journalière | 5 | 0.72 | 0.75 | 0.27 | 0.19 | 0.20 | 0.16 | 0.13 | 0.12 | 0.12 | 0.40 | 0.14 | 0.18 | 5 |
| Media giornaliera | 6 | 0.65 | 0.66 | 0.29 | 0.19 | 0.18 | 0.22 | 0.12 | 0.12 | 0.15 | 0.23 | 0.15 | 0.18 | 6 |
| | 7 | 0.55 | 0.59 | 0.27 | 0.19 | 0.19 | 0.16 | 0.13 | 0.11 | 0.13 | 0.36 | 0.14 | 0.17 | 7 |
| | 8 | 0.51 | 0.57 | 0.25 | 0.19 | 0.29 | 0.17 | 0.12 | 0.11 | 0.46 | 0.48 | 0.15 | 0.17 | 8 |
| | 9 | 0.48 | 0.56 | 0.24 | 0.19 | 0.31 | 0.16 | 0.12 | 0.11 | 0.23 | 0.17 | 0.15 | 0.17 | 9 |
| | 10 | 0.44 | 0.53 | 0.24 | 0.29 | 0.18 | 0.16 | 0.12 | 0.11 | 0.13 | 0.14 | 0.14 | 0.16 | 10 |
| | 11 | 0.44 | 0.49 | 0.23 | 0.27 | 0.17 | 0.16 | 0.13 | 0.12 | 0.18 | 0.13 | 0.13 | 0.14 | 11 |
| | 12 | 0.44 | 0.46 | 0.30 | 0.22 | 0.26 | 0.16 | 0.11 | 0.12 | 0.11 | 0.12 | 0.13 | 0.15 | 12 |
| | 13 | 0.45 | 0.44 | 0.24 | 0.19 | 0.20 | 0.17 | 0.10 | 0.13 | 0.11 | 0.12 | 0.25 | 0.14 | 13 |
| m ³ /s | 14 | 0.44 | 0.42 | 0.22 | 0.19 | 0.17 | 0.16 | 0.11 | 0.14 | 0.11 | 0.12 | 0.14 | 0.19 | 14 |
| | 15 | 0.45 | 0.41 | 0.23 | 0.19 | 0.16 | 0.16 | 0.11 | 0.11 | 0.11 | 0.11 | 0.14 | 0.17 | 15 |
| | 16 | 0.45 | 0.39 | 0.21 | 0.18 | 0.16 | 0.16 | 0.12 | 0.11 | 0.11 | 0.12 | 0.19 | 0.15 | 16 |
| | 17 | 0.46 | 0.36 | 0.21 | 0.19 | 0.16 | 0.16 | 0.10 | 0.25 | 0.11 | 0.12 | 0.23 | 0.15 | 17 |
| | 18 | 0.46 | 0.35 | 0.19 | 0.19 | 0.18 | 0.15 | 0.09 | 0.26 | 0.12 | 0.11 | 0.16 | 0.15 | 18 |
| | 19 | 0.45 | 0.36 | 0.19 | 0.19 | 0.28 | 0.11 | 0.09 | 0.11 | 0.12 | 0.11 | 0.15 | 0.15 | 19 |
| | 20 | 0.45 | 0.39 | 0.19 | 0.18 | 0.26 | 0.12 | 0.09 | 0.11 | 0.12 | 0.21 | 0.14 | 0.15 | 20 |
| | 21 | 0.73 | 0.35 | 0.20 | 0.19 | 0.24 | 0.11 | 0.28 | 0.11 | 0.12 | 0.43 | 0.13 | 0.40 | 21 |
| | 22 | 0.68 | 0.34 | 0.21 | 0.18 | 0.24 | 0.11 | 0.14 | 0.11 | 0.11 | 0.21 | 0.14 | 0.35 | 22 |
| | 23 | 0.60 | 0.36 | 0.20 | 0.17 | 0.18 | 0.13 | 0.14 | 0.11 | 0.12 | 0.18 | 0.14 | 0.22 | 23 |
| + Maximum | 24 | 0.75 | 0.32 | 0.21 | 0.16 | 0.18 | 0.11 | 0.14 | 0.10 | 0.12 | 0.17 | 0.13 | 0.20 | 24 |
| Massimo | 25 | 0.61 | 0.30 | 0.21 | 0.17 | 0.17 | 0.11 | 0.09 | 0.11 | 0.12 | 0.21 | 0.13 | 0.18 | 25 |
| - Minimum | 26 | 0.55 | 0.33 | 0.20 | 0.22 | 0.17 | 0.12 | 0.10 | 0.10 | 0.13 | 0.18 | 0.13 | 0.18 | 26 |
| Minimo | 27 | 0.54 | 0.29 | 0.21 | 0.18 | 0.21 | 0.12 | 0.26 | 0.11 | 0.12 | 0.19 | 0.25 | 0.18 | 27 |
| | 28 | 0.61 | 0.25 | 0.20 | 0.17 | 0.25 | 0.12 | 0.18 | 0.11 | 0.19 | 0.16 | 0.65 | 0.17 | 28 |
| | 29 | 0.79 | 0.20 | 0.22 | 0.22 | 0.25 | 0.11 | 0.11 | 0.32 | 0.18 | 0.25 | 0.47 | 0.15 | 29 |
| | 30 | 0.67 | 0.21 | 0.21 | 0.36 | 0.18 | 0.12 | 0.12 | 0.19 | 0.12 | 0.25 | 0.29 | 0.16 | 30 |
| | 31 | 0.60 | | 0.19 | | 0.17 | | 0.41 | 0.49 | | 0.21 | | 0.16 | 31 |

| | | | | | | | | | | | | | |
|---|--------|--------|--------|------|------|------|------|--------|--------|------|------|--------|-------------------|
| Monatsmittel Moyenne mensuelle Media mensile | 0.57 + | 0.49 | 0.24 | 0.20 | 0.21 | 0.15 | 0.15 | 0.14 - | 0.14 - | 0.21 | 0.19 | 0.19 | m ³ /s |
| Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data | 1.20 | 3.30 + | 0.70 - | 0.80 | 1.20 | 1.20 | 2.00 | 1.80 | 1.40 | 2.30 | 1.00 | 0.70 - | m ³ /s |
| | 2. | | 2. | 30. | 8. | 2. | 31. | 31. | 8. | 7. | 28. | 21. | |

Jahresmittel / Moyenne annuelle / Media annua 0.24 m³/s



| Periode / Période / Periodo | 1980 - 2003 (24 Jahre / années / anni) | | | | | | | | | | | | | |
|---|--|-------------------|--------------|-------------------|----------------|--------------|---|----------------|-------------------|-------------------|-------------------|----------------|---------------------------|--|
| Monatsmittel Moyenne mensuelle Media mensile | 0.37 | 0.35 | 0.37 | 0.37 | 0.39 + | 0.31 | 0.24 | 0.19 - | 0.20 | 0.26 | 0.30 | 0.38 | m ³ /s | |
| Maximum / Massimo (Spitze / Pointe / Punta) Jahr / Année / Anno | 4.60 1981 | 10.0 1999 | 6.70 2001 | 6.50 1986 | 13.6 + 1994 | 12.3 1991 | 8.30 1997 | 5.60 1996 | 8.50 1987 | 5.70 1986,2002 | 5.90 1995 | 4.50 - 1995 | m ³ /s Dat. | |
| Minimum / Minimo (Tagesmittel / Moyenne journ. / Media giornal.) | 0.13 + 1986,1992 | 0.12 1992,1993 | 0.11 1996 | 0.08 1996 | 0.09 1997 | 0.07 1997 | 0.07 1993,1994 | 0.06 - 1994 | 0.07 1995,1996 | 0.07 1996 | 0.08 1994,1995 | 0.09 1994 | m ³ /s Dat. | |
| Grösstes Jahresmittel Moyenne annuelle la plus grande La più grande media annua | 0.48 (1999) | | | m ³ /s | | | Mittlerer Abfluss Débit moyen Portata media | | | 0.31 | | | m ³ /s | |
| Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua | 0.20 (1993,1997) | | | m ³ /s | | | | | | | | | | |

| Dauer der Abflüsse (erreicht oder überschritten) / Débits classés (atteints ou dépassés) / Durata delle portate (raggiunte o sorpassate) | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|
| Tage / Jours / Giorni | 1 | 3 | 6 | 9 | 18 | 36 | 55 | 73 | 91 | 114 | 137 | 160 | |
| 2003 | 1.36 | 0.90 | 0.75 | 0.68 | 0.60 | 0.46 | 0.40 | 0.31 | 0.27 | 0.24 | 0.21 | 0.19 | m ³ /s |
| 1980 - 2003 | 2.63 | 1.63 | 1.23 | 1.01 | 0.78 | 0.58 | 0.47 | 0.39 | 0.34 | 0.30 | 0.27 | 0.25 | m ³ /s |
| Tage / Jours / Giorni | 182 | 205 | 228 | 251 | 274 | 292 | 310 | 329 | 347 | 356 | 362 | 365 | |
| 2003 | 0.18 | 0.17 | 0.16 | 0.15 | 0.13 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 | 0.09 | 0.09 | m ³ /s |
| 1980 - 2003 | 0.22 | 0.21 | 0.19 | 0.18 | 0.16 | 0.15 | 0.13 | 0.12 | 0.11 | 0.09 | 0.08 | 0.07 | m ³ /s |

Wasserstand
Niveau d'eau
Livello d'acqua

Marchbach - Oberwil

BL 312

Koordinaten
Coordonnées
Coordinate

609 100 / 262 460

Höhe
Altitude
Altitudine

296.0 m ü.M.
m s.m.
m s.m.

Fläche
Surface
Superficie

27.00 km²

Mittlere Höhe
Altitude moyenne
Altitudine media

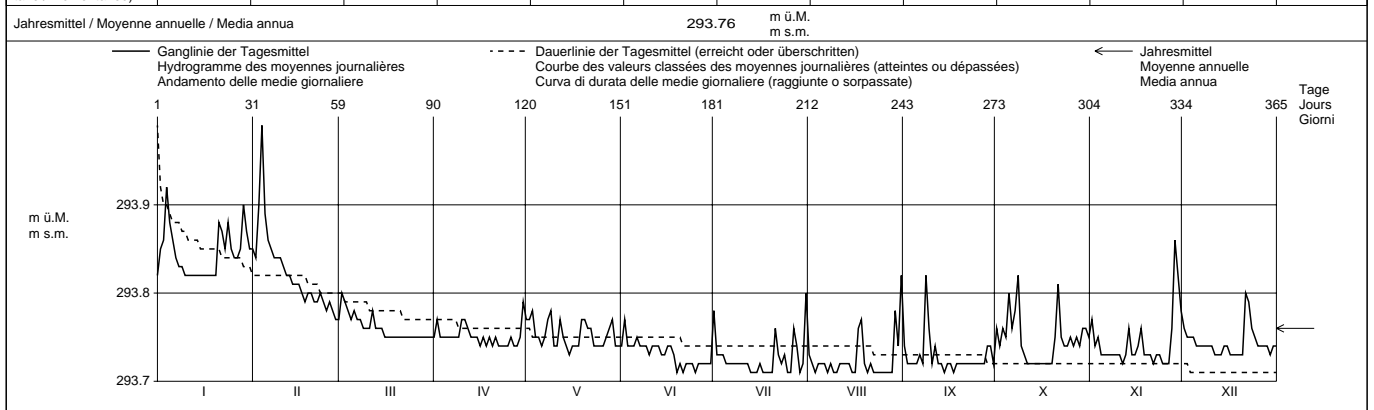
462.0 m ü.M.
m s.m.
m s.m.

Vergletscherung
Extension glacier
Ghiacciaio

0.00 %

| 2003 | | Jan./Janv. Genn. | Feb./Févr. Febbr. | März/Mars Marzo | April/Avril Aprile | Mai/Mai Maggio | Juni/Juin Giugno | Juli/Juillet Luglio | Aug./Août Agosto | Sept./Sept. Sett. | Okt./Oct. Ott. | Nov./Nov. Nov. | Dez./Déc. Dic. | |
|--|--------|---------------------|----------------------|--------------------|-----------------------|-------------------|---------------------|------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|----|
| Tagesmittel | 1 | 293.82 - | 293.85 | 293.77 | 293.75 | 293.77 | 293.74 | 293.78 | 293.73 | 293.74 | 293.76 | 293.77 | 293.76 | 1 |
| | 2 | 293.85 | 293.84 | 293.80 + | 293.77 | 293.77 | 293.77 + | 293.73 | 293.72 | 293.72 | 293.74 | 293.74 | 293.75 | 2 |
| | 3 | 293.86 | 293.90 | 293.79 | 293.75 | 293.78 | 293.74 | 293.73 | 293.71 - | 293.72 | 293.76 | 293.75 | 293.75 | 3 |
| | 4 | 293.92 + | 293.99 + | 293.78 | 293.75 | 293.75 | 293.74 | 293.73 | 293.72 | 293.72 | 293.72 | 293.75 | 293.75 | 4 |
| | 5 | 293.88 | 293.89 | 293.77 | 293.75 | 293.75 | 293.74 | 293.72 | 293.72 | 293.72 | 293.72 | 293.80 | 293.73 | 5 |
| Moyenne journalière | 6 | 293.86 | 293.86 | 293.78 | 293.75 | 293.74 | 293.75 | 293.72 | 293.72 | 293.73 | 293.76 | 293.73 | 293.74 | 6 |
| | 7 | 293.84 | 293.85 | 293.77 | 293.75 | 293.75 | 293.74 | 293.72 | 293.71 - | 293.72 | 293.78 | 293.73 | 293.74 | 7 |
| | 8 | 293.83 | 293.84 | 293.77 | 293.75 | 293.77 | 293.74 | 293.72 | 293.72 | 293.82 + | 293.82 + | 293.73 | 293.74 | 8 |
| | 9 | 293.83 | 293.84 | 293.76 | 293.75 | 293.78 + | 293.74 | 293.72 | 293.71 - | 293.76 | 293.74 | 293.73 | 293.74 | 9 |
| | 10 | 293.82 - | 293.84 | 293.76 | 293.77 | 293.74 | 293.73 | 293.72 | 293.71 - | 293.72 | 293.73 | 293.73 | 293.74 | 10 |
| m ü.M. m s.m. | 11 | 293.82 - | 293.83 | 293.76 | 293.77 | 293.74 | 293.74 | 293.72 | 293.72 | 293.74 | 293.72 - | 293.72 - | 293.73 - | 11 |
| | 12 | 293.82 - | 293.82 | 293.78 | 293.76 | 293.77 | 293.74 | 293.72 | 293.72 | 293.72 | 293.72 - | 293.73 | 293.73 | 12 |
| | 13 | 293.82 - | 293.82 | 293.76 | 293.75 | 293.75 | 293.74 | 293.71 - | 293.72 | 293.72 | 293.72 | 293.76 | 293.73 | 13 |
| | 14 | 293.82 - | 293.81 | 293.76 | 293.75 | 293.74 | 293.73 | 293.71 - | 293.72 | 293.71 - | 293.72 | 293.73 | 293.74 | 14 |
| | 15 | 293.82 - | 293.81 | 293.76 | 293.75 | 293.73 - | 293.73 | 293.71 - | 293.71 - | 293.72 | 293.72 - | 293.73 | 293.74 | 15 |
| + Maximum Massimo | 16 | 293.82 - | 293.81 | 293.75 - | 293.74 - | 293.74 | 293.74 | 293.72 | 293.71 - | 293.72 | 293.72 - | 293.74 | 293.73 - | 16 |
| | 17 | 293.82 - | 293.80 | 293.75 - | 293.75 | 293.74 | 293.74 | 293.71 - | 293.76 | 293.71 - | 293.72 | 293.76 | 293.73 - | 17 |
| | 18 | 293.82 - | 293.79 | 293.75 - | 293.74 - | 293.74 | 293.73 | 293.71 - | 293.77 | 293.72 | 293.72 - | 293.73 | 293.73 - | 18 |
| | 19 | 293.82 - | 293.80 | 293.75 - | 293.75 | 293.77 | 293.71 - | 293.71 - | 293.72 | 293.72 | 293.72 - | 293.73 | 293.73 - | 19 |
| | 20 | 293.82 - | 293.80 | 293.75 - | 293.74 - | 293.77 | 293.72 | 293.71 - | 293.71 - | 293.72 | 293.72 | 293.75 | 293.73 | 20 |
| - Minimum Minimo | 21 | 293.88 | 293.79 | 293.75 - | 293.75 | 293.76 | 293.71 - | 293.76 | 293.72 | 293.72 | 293.81 | 293.72 - | 293.80 + | 21 |
| | 22 | 293.87 | 293.79 | 293.75 - | 293.74 - | 293.76 | 293.72 | 293.73 | 293.71 - | 293.72 | 293.75 | 293.73 | 293.79 | 22 |
| | 23 | 293.85 | 293.80 | 293.75 - | 293.74 - | 293.74 | 293.72 | 293.72 | 293.71 - | 293.72 | 293.74 | 293.73 | 293.76 | 23 |
| | 24 | 293.88 | 293.79 | 293.75 - | 293.74 - | 293.74 | 293.72 | 293.73 | 293.71 - | 293.72 | 293.74 | 293.72 - | 293.75 | 24 |
| | 25 | 293.85 | 293.78 | 293.75 - | 293.74 - | 293.74 | 293.71 - | 293.71 - | 293.71 - | 293.72 | 293.75 | 293.72 - | 293.74 | 25 |
| Monatsmittel Moyenne mensuelle Media mensile | 26 | 293.84 | 293.79 | 293.75 - | 293.75 | 293.74 | 293.72 | 293.71 - | 293.71 - | 293.72 | 293.74 | 293.72 - | 293.74 | 26 |
| | 27 | 293.84 | 293.78 | 293.75 - | 293.74 - | 293.75 | 293.72 | 293.76 | 293.71 - | 293.72 | 293.75 | 293.76 | 293.74 | 27 |
| | 28 | 293.85 | 293.77 - | 293.75 - | 293.74 - | 293.76 | 293.72 | 293.74 | 293.71 - | 293.74 | 293.74 | 293.86 + | 293.74 | 28 |
| | 29 | 293.90 | | 293.75 - | 293.75 | 293.77 | 293.72 | 293.71 - | 293.78 | 293.74 | 293.76 | 293.82 | 293.73 - | 29 |
| | 30 | 293.87 | | 293.75 - | 293.79 + | 293.74 | 293.72 | 293.72 | 293.74 | 293.72 | 293.76 | 293.78 | 293.74 | 30 |
| 31 | 293.85 | | 293.75 - | | 293.74 | | 293.80 + | 293.82 + | 293.72 | 293.75 | | 293.74 | 31 | |

| | | | | | | | | | | | | | |
|---|--------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|---------------|------------------|
| Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data | 293.98 2. | 294.24 3. | 293.86 2. | 293.89 30. | 293.98 8. | 293.98 2. | 294.08 31. | 294.06 31. | 294.00 8. | 294.12 7. | 293.92 28. | 293.87 21. | m ü.M. m s.m. |
| Minimum / Minimo (Momentan / momen- tané / momentaneo) | 293.79 2. | 293.74 27. | 293.72 31. | 293.71 25., 29. | 293.70 24. | 293.69 20. | 293.68 19. | 293.68 22., 23. | 293.68 21. | 293.68 12., 14. | 293.69 23. | 293.70 21. | m ü.M. m s.m. |



| Periode / Période / Período | 1993 – 2003 (11 Jahre / années / anni) | | | | | | | | | | | | | |
|---|--|------------------|------------------|----------------|--|----------------|------------------|------------------------|------------------|------------------|---|----------------|--------------------------------|--|
| Monatsmittel Moyenne mensuelle Media mensile | 293.80 + | 293.79 | 293.79 | 293.78 | 293.79 | 293.76 | 293.75 | 293.74 - | 293.74 - | 293.76 | 293.78 | 293.79 | m ü.M. m s.m. | |
| Maximum / Massimo (Spitze / Pointe / Punta) Jahr / Année / Anno | 294.15 - 2001 | 294.78 1999 | 294.58 2001 | 294.27 1998 | 294.98 + 1994 | 294.79 1995 | 294.66 1997 | 294.46 1996 | 294.37 1995 | 294.49 2002 | 294.48 1995 | 294.36 1995 | m ü.M. m s.m. Dat. | |
| Minimum / Minimo (Momentan / momen- tané / momentaneo) | 293.70 2002 | 293.72 + 1998 | 293.72 + 1996 | 293.70 1996 | 293.70 1997 | 293.69 2003 | 293.68 - 2003 | 293.68 - 1998, 2003 | 293.68 - 2003 | 293.68 - 2003 | 293.69 1997 | 293.70 2003 | m ü.M. m s.m. Dat. | |
| Grösstes Jahresmittel Moyenne annuelle la plus grande La più grande media annua | 293.82 (1999) | | m ü.M. m s.m. | | Mittlerer Wasserstand Niveau d'eau moyen Livello d'acqua medio | | 293.77 | | m ü.M. m s.m. | | Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua | | 293.74 (1997) m ü.M. m s.m. | |

| Dauer der Wasserstände (erreicht oder überschritten) / Niveaux d'eau classés (atteints ou dépassés) / Durata dei livelli d'acqua (raggiunte o sorpassate) | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------|
| Tage / Jours / Giorni | 1 | 3 | 6 | 9 | 18 | 36 | 55 | 73 | 91 | 114 | 137 | 160 | |
| 2003 | 293.99 | 293.90 | 293.88 | 293.87 | 293.85 | 293.82 | 293.80 | 293.78 | 293.77 | 293.76 | 293.75 | 293.75 | m ü.M. m s.m. |
| 1993 - 2003 | 294.17 | 294.05 | 293.97 | 293.94 | 293.89 | 293.85 | 293.83 | 293.81 | 293.80 | 293.78 | 293.77 | 293.76 | m ü.M. m s.m. |
| Tage / Jours / Giorni | 182 | 205 | 228 | 251 | 274 | 292 | 310 | 329 | 347 | 356 | 362 | 365 | |
| 2003 | 293.74 | 293.74 | 293.74 | 293.73 | 293.72 | 293.72 | 293.72 | 293.72 | 293.71 | 293.71 | 293.71 | 293.71 | m ü.M. m s.m. |
| 1993 - 2003 | 293.75 | 293.75 | 293.74 | 293.74 | 293.73 | 293.72 | 293.72 | 293.71 | 293.71 | 293.70 | 293.69 | 293.69 | m ü.M. m s.m. |

Die Wasserstände wurden auch für die Jahre 1980 - 1992 bestimmt.
Ab 1.1. 1993 neue Nullpunkthöhe.