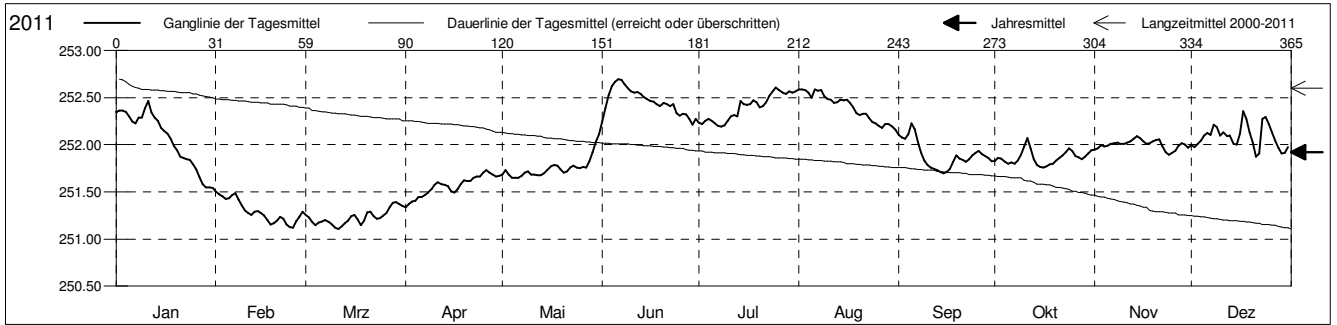


**Grundwasserstände**

Birstal  
 Muttentz 21.J.01 Asprain  
 Abstichpunkt: 277.24 m ü.M.  
 OK Terrain: 276.28 m ü.M.

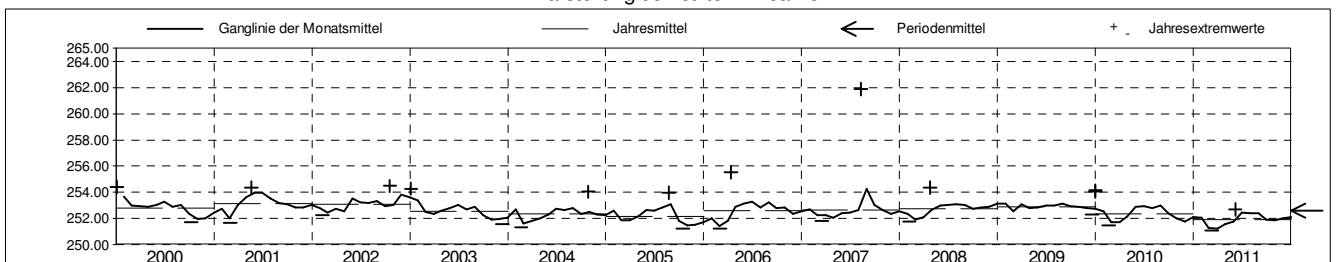
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 614004.13 / 263348.53

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	252.35	251.51 +	251.25	251.34 -	251.68	252.25	252.24	252.59 +	252.11	251.83	251.95	251.99	1
2	252.36	251.47	251.23	251.37	251.73	252.39	252.22	252.59 +	252.07	251.86	251.96	251.98	2
3	252.37	251.45	251.18	251.40	251.68	252.53	252.25	252.58	252.06	251.85	252.00	252.01	3
4	252.35	251.42	251.15	251.40	251.65 -	252.62	252.27	252.55	252.11	251.82	251.98	252.04	4
5	252.30	251.43	251.17	251.44	251.65 -	252.67	252.25	252.50	252.22 +	251.80	251.99	252.10	5
Tagesmittel													
6	252.25	251.47	251.19	251.45	251.65 -	252.69 +	252.23	252.59 +	252.17	251.81	252.01	252.12	6
7	252.23	251.49	251.20	251.47	251.67	252.69 +	252.20	252.57	252.03	251.80	252.02	252.10	7
8	252.29	251.42	251.18	251.49	251.70	252.64	252.19 -	252.58	251.92	251.83	252.02	252.22	8
9	252.29	251.35	251.15	251.53	251.72	252.60	252.20	252.51	251.83	251.89	252.01	252.19	9
10	252.39	251.30	251.12	251.58	251.69	252.56	252.25	252.48	251.78	251.98	252.01	252.10	10
11	252.47 +	251.27	251.10 -	251.60	251.68	252.55	252.30	252.48	251.76	252.07 +	252.02	252.13	11
12	252.34	251.26	251.13	251.58	251.68	252.56	252.32	252.44	251.74	251.96	252.04	252.09	12
13	252.29	251.29	251.17	251.57	251.68	252.54	252.30	252.45	251.73	251.85	252.07	252.10	13
14	252.26	251.30	251.19	251.56	251.69	252.51	252.47	252.48	251.71	251.79	252.09 +	252.01	14
Max. +	252.18	251.28	251.24	251.50	251.73	252.48	252.43	252.47	251.70 -	251.76 -	252.07	252.00	15
16	252.15	251.25	251.26	251.50	251.77	252.46	252.43	252.48	251.71	251.76 -	252.03	252.12	16
17	252.12	251.20	251.21	251.53	251.79	252.46	252.43	252.44	251.74	251.77	252.01	252.36 +	17
18	252.06	251.15	251.15	251.58	251.78	252.43	252.47	252.40	251.82	251.79	252.02	252.28	18
19	251.99	251.17	251.20	251.62	251.74	252.41	252.45	252.33	251.89	251.80	252.04	252.13	19
Min. -	251.94	251.19	251.28	251.61	251.70	252.45	252.40	252.31	251.85	251.83	252.05	252.02	20
21	251.88	251.23	251.29	251.62	251.72	252.43	252.41	252.33	251.84	251.86	252.06	251.88 -	21
22	251.86	251.21	251.24	251.65	251.76	252.41	252.45	252.33	251.82	251.89	251.98	251.91	22
23	251.84	251.15	251.21	251.66	251.78	252.43	252.52	252.28	251.84	251.92	251.92	252.27	23
24	251.84	251.13	251.22	251.66	251.76	252.34	252.57	252.24	251.88	251.96	251.90 -	252.29	24
25	251.79	251.12 -	251.25	251.70	251.75	252.31	252.60 +	252.22	251.92	251.93	251.91	252.22	25
26	251.74	251.18	251.27	251.73 +	251.76	252.33	252.58	252.20	251.93	251.88	251.94	252.13	26
27	251.66	251.24	251.34	251.71	251.75	252.32	252.56	252.18	251.90	251.87	251.99	252.04	27
28	251.58	251.29	251.39 +	251.68	251.83	252.27	252.54	252.22	251.88	251.84	252.02	251.97	28
29	251.55		251.39 +	251.66	251.92	252.21 -	252.57	252.22	251.86	251.88	252.00	251.91	29
30	251.55		251.37	251.67	252.03	252.27	252.55	252.19	251.83	251.90	251.97	251.91	30
31	251.54 -		251.35		252.11 +		252.57	252.16 -		251.94		251.98	31
Monatsmittel	252.06	251.29	251.23 -	251.56	251.75	252.46 +	252.39	252.40	251.89	251.86	252.00	252.08	
Maximum	252.50	251.53	251.40 -	251.74	252.16	252.70 +	252.61	252.61	252.27	252.10	252.10	252.38	
Datum	11.01	01.02	29.03	26.04	31.05	06.06	25.07	06.08	05.09	11.10	14.11	17.12	
Amplitude	0.98	0.42	0.31	0.41	0.52	0.53	0.43	0.48	0.58	0.35	0.21	0.54	
Jahr 2011	Mittel	251.92 m ü.M.		Maximum	252.70 (06.Jun)			Minimum	251.09 (11.Mrz)			Amplitude	1.61 m



Periode	2000 - 2011												
Monatsmittel	252.72	252.05 -	252.25	252.49	252.85	252.99	252.87	253.11 +	252.55	252.40	252.39	252.52	
Maximum	254.39	253.30 -	254.22	255.53	254.40	254.35	254.08	261.90 +	254.43	254.48	254.37	254.04	
Jahr	2000	2000	2006	2006	2002	2001	2002	2007	2006	2002	2002	2010	
Minimum	251.40	251.11	251.09 -	251.33	251.64	252.09	252.18 +	252.13	251.30	251.24	251.39	251.34	
Jahr	2006	2011	2011	2011	2011	2007	2011	2011	2005	2005	2005	2005	
Amplitude	2.26	0.95 -	3.01	4.13	1.64	1.08	1.18	9.34 +	2.25	2.03	1.59	1.73	
Jahr	2010	2005	2006	2006	2010	2006	2002	2007	2006	2002	2002	2010	
Periode	Mittel	252.60 m ü.M.		Maximum	261.90 (10.Aug 2007)			Minimum	251.09 (11.Mrz 2011)			Amplitude	10.81 m

Darstellung der letzten 12 Jahre

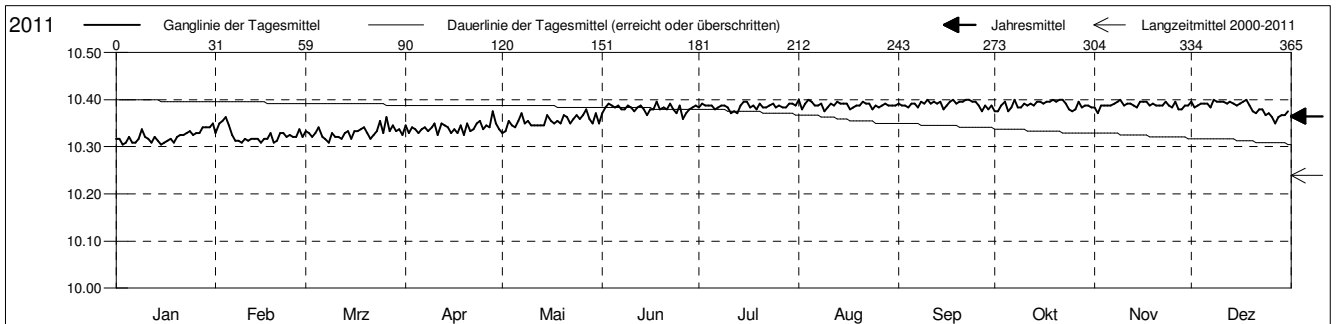


**Grundwassertemperatur**

Birstal  
 Muttenz 21.J.01 Asprain  
 Abstichpunkt: 277.24 m ü.M.  
 OK Terrain: 276.28 m ü.M.

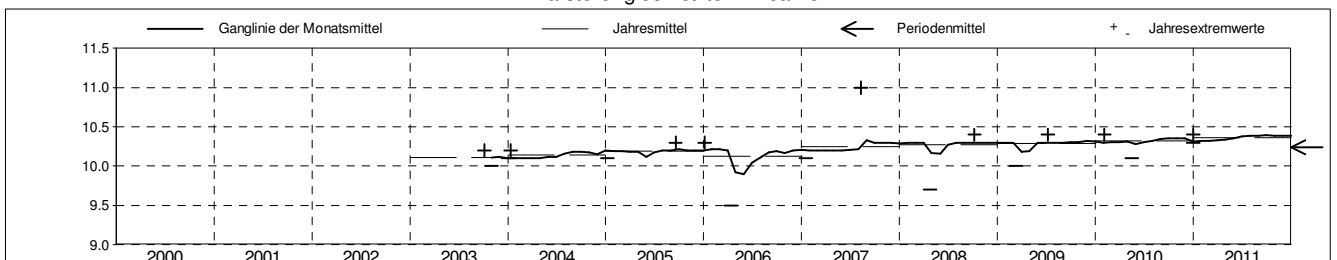
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 614004.13 / 263348.53

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	10.3 -	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	1
2	10.3 -	10.4 +	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	2
3	10.3 -	10.4 +	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	3
4	10.3 -	10.4 +	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	4
5	10.3 -	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	5
6	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	6
7	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	7
8	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	8
9	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	9
10	10.3 -	10.3 -	10.3 -	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10
11	10.3 -	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	11
12	10.3 -	10.3 -	10.3 -	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	12
13	10.3 -	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	13
14	10.3 -	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	14
15	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	15
Max. +	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	16
16	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	16
17	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	17
18	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	18
19	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	19
20	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	20
Min. -	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	21
21	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	21
22	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	22
23	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	23
24	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	24
25	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	25
26	10.3 -	10.3 -	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	26
27	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	27
28	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	28
29	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	29
30	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	30
31	10.4 +	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	31
Monatsmittel	10.3 -	10.3 -	10.3 -	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	
Maximum	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	
Datum	01.01	01.02	01.03	01.04	01.05	01.06	01.07	01.08	01.09	01.10	01.11	01.12	
Minimum	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	
Datum	01.01	01.02	01.03	01.04	01.05	01.06	01.07	02.08	01.09	01.10	01.11	01.12	
Amplitude	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Jahr 2011	Mittel	10.4 °C		Maximum	10.4 (01.Jan)		Minimum	10.3 (01.Jan)		Amplitude	0.1 °C		



Periode	2000 - 2011												
Monatsmittel	10.2 -	10.2 -	10.2 -	10.2 -	10.2 -	10.2 -	10.2 -	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	
Maximum	10.4 -	10.4 -	10.4 -	10.4 -	10.4 -	10.4 -	10.4 -	11.0 +	10.4 -	10.4 -	10.4 -	10.4 -	
Jahr	2011	2010	2010	2010	2010	2010	2009	2007	2009	2008	2009	2009	
Minimum	10.1 +	10.1 +	10.0	9.5 -	9.7	10.0	10.1 +	10.1 +	10.1 +	10.0	10.1 +	10.1 +	
Jahr	2004	2004	2009	2006	2006	2006	2004	2004	2003	2003	2003	2003	
Amplitude	0.2	0.1 -	0.3	0.7	0.3	0.1 -	0.1 -	0.8 +	0.2	0.2	0.1 -	0.2	
Jahr	2007	2006	2009	2006	2006	2006	2007	2007	2006	2003	2007	2006	
Periode	Mittel	10.2 °C		Maximum	11.0 (09.Aug 2007)		Minimum	9.5 (11.Apr 2006)		Amplitude	1.5 °C		

Darstellung der letzten 12 Jahre

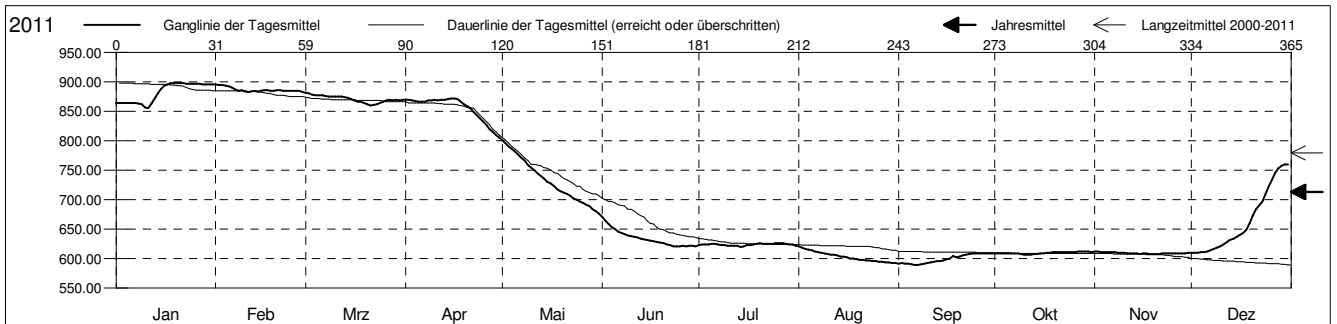


**Leitfähigkeit**

Birstal  
 Muttentz 21.J.01 Asprain  
 Abstichpunkt: 277.24 m ü.M.  
 OK Terrain: 276.28 m ü.M.

**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 614004.13 / 263348.53

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	865	896 +	882 +	869	801 +	671 +	623	621 +	592	609	612 +	610 -	1
2	864	895	880	870	795	664	624	619	592	609	612 +	610 -	2
3	864	895	879	868	790	658	624	617	592	609	611	610 -	3
4	864	893	878	868	786	653	624	615	591	609	611	611	4
5	864	892	878	866	782	650	625	615	590	609	611	611	5
6	864	891	877	866	776	646	625	612	589 -	609	611	612	6
7	864	887	876	867	771	644	624	611	590	609	611	614	7
8	864	885	876	868	766	642	623	610	590	609	610	616	8
9	862	886	875	869	759	639	623	609	591	608	610	619	9
10	856	884	875	869	754	638	622	608	592	607 -	610	621	10
11	855 -	883 -	875	868	750	637	622	607	594	607 -	609	624	11
12	864	884	875	869	745	636	622	606	594	607 -	609	629	12
13	872	885	874	870	740	634	622	605	595	608	609	631	13
14	880	884	873	871	737	633	620 -	604	596	608	609	634	14
15	888	885	871	872 +	731	632	621	603	597	608	608	637	15
16	894	886	869	872 +	727	630	623	602	599	609	609	641	16
17	896	886	867	871	723	629	623	601	600	609	609	643	17
18	898 +	885	867	867	718	628	624	600	605	610	608	649	18
19	898 +	885	865	863	715	627	625	599	602	611	608	660	19
20	898 +	886	862	859	712	626	626 +	598	603	611	608	673	20
21	898 +	886	860 -	855	710	624	625	598	605	611	607 -	684	21
22	897	886	861	849	706	623	626 +	597	607	611	608	691	22
23	897	885	862	844	703	621 -	625	597	608	611	609	697	23
24	897	885	864	838	701	621 -	626 +	596	608	611	609	710	24
25	897	885	867	833	696	621 -	626 +	595	609 +	611	609	723	25
26	897	885	869	827	694	622	626 +	595	608	611	609	734	26
27	897	885	870	820	692	621 -	626 +	595	609 +	612 +	609	745	27
28	896	883 -	869	816	689	621 -	625	594	608	612 +	609	753	28
29	896		869	810	684	622	624	593 -	609 +	612 +	609	758	29
30	896		869	806 -	680	621 -	624	593 -	609 +	612 +	610	759	30
31	896		870		677 -		622	593 -		612 +		760 +	31
Monatsmittel	882	887 +	871	855	733	635	624	603	599 -	610	609	664	
Maximum	899 +	896	883	876	807	676	630	623	611 -	613	613	761	
Datum	18.01	01.02	01.03	16.04	01.05	01.06	25.07	01.08	29.09	26.10	01.11	31.12	
Minimum	850	881 +	858	800	672	619	618	591	587 -	605	606	609	
Datum	11.01	10.02	20.03	30.04	31.05	23.06	14.07	29.08	06.09	10.10	18.11	01.12	
Amplitude	49	15	25	76	135	57	12	32	24	8	7	152	
Jahr 2011	Mittel	713 µs/cm		Maximum	899 (18.Jan)			Minimum	587 (06.Sep)		Amplitude	312 µs/cm	



Periode	2000 - 2011												
Monatsmittel	778	812	879	930 +	899	824	746	695	701	691 -	697	730	
Maximum	899	903	1068	1116	1141 +	1141 +	1010	1072	1041	1043	869 -	887	
Jahr	2011	2004	2007	2005	2005	2005	2006	2007	2007	2006	2006	2007	
Minimum	680	703	716	733 +	672	619	618	587 -	587 -	597	601	609	
Jahr	2006	2006	2008	2008	2011	2011	2011	2010	2011	2008	2009	2011	
Amplitude	158	128 -	247	322	313	239	231	356 +	170	208	131	200	
Jahr	2004	2009	2006	2008	2010	2005	2006	2007	2006	2007	2006	2010	
Periode	Mittel	779 µs/cm		Maximum	1141 (29.Mai 2005)			Minimum	587 (15.Aug 2010)		Amplitude	554 µs/cm	

Darstellung der letzten 12 Jahre

