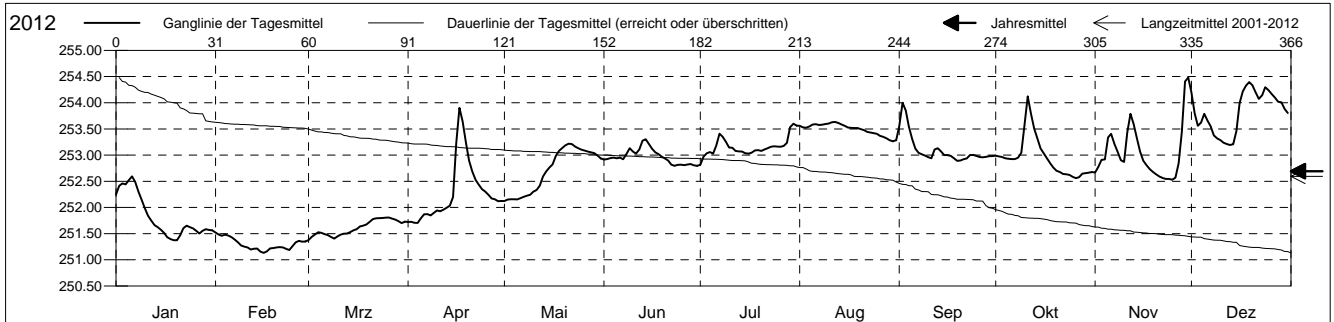


**Grundwasserstände**

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

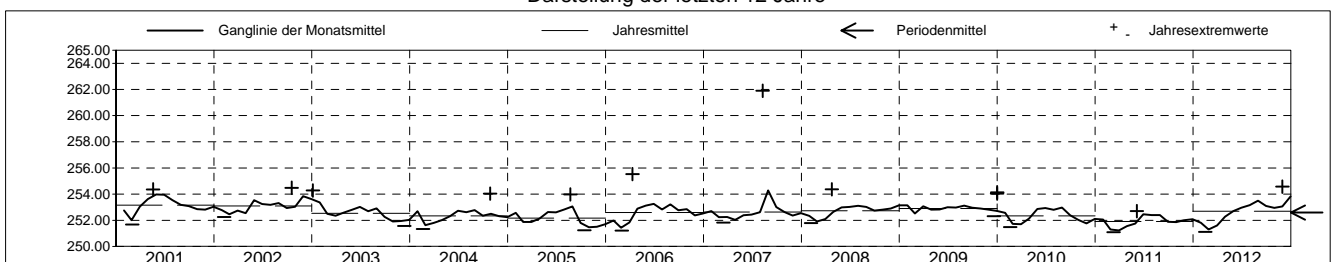
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	252.25	251.52 +	251.38 -	251.72	252.12 -	252.91	252.81 -	253.56	253.55	252.99	252.67	254.19	1
2	252.41	251.48	251.44	251.73	252.15	252.93	252.97	253.53	254.00 +	252.97	252.78	253.80	2
3	252.46	251.46	251.49	251.71	252.16	252.94	253.04	253.52	253.85	252.96	252.91	253.56	3
4	252.44	251.48	251.53	251.70 -	252.16	252.95	253.06	253.55	253.55	252.94	252.92	253.62	4
5	252.52	251.46	251.51	251.79	252.15	252.94	253.03	253.58	253.30	252.93	253.34	253.79	5
6	252.59 +	251.43	251.49	251.87	252.18	252.95	253.18	253.59	253.12	252.92	253.41	253.65	6
7	252.49	251.39	251.47	251.87	252.20	252.92	253.41	253.57	253.04	252.92	253.21	253.55	7
8	252.30	251.33	251.43	251.85	252.23	253.02	253.35	253.58	253.01	252.95	253.06	253.37	8
9	252.15	251.27	251.40	251.90	252.24	253.13	253.25	253.59	252.99	253.05	252.90	253.32	9
10	251.99	251.25	251.45	251.94	252.30	253.07	253.14	253.60	252.96	253.58	252.87	253.29	10
11	251.84	251.24	251.48	251.93	252.33	253.03	253.14	253.63 +	252.94	254.12 +	253.43	253.24	11
12	251.75	251.20	251.50	251.96	252.41	253.11	253.08	253.63 +	253.11	253.79	253.79	253.21	12
13	251.66	251.21	251.50	251.99	252.59	253.28	253.07	253.61	253.13	253.51	253.59	253.19 -	13
14	251.63	251.21	251.53	252.03	252.69	253.30 +	253.07	253.59	253.07	253.32	253.32	253.21	14
15	251.57	251.16	251.56	252.20	252.76	253.21	253.04	253.56	253.00	253.13	253.07	253.46	15
16	251.51	251.13 -	251.58	253.23	252.82	253.12	253.03	253.53	253.00	253.03	252.89	254.00	16
17	251.43	251.16	251.64	253.90 +	252.98	253.05	253.05	253.52	252.98	252.94	252.81	254.22	17
18	251.39	251.22	251.65	253.64	253.08	253.02	253.09	253.52	252.94	252.84	252.73	254.33	18
19	251.37 -	251.22	251.67	253.25	253.14	252.97	253.10	253.52	252.89 -	252.76	252.68	254.39 +	19
20	251.37 -	251.23	251.72	252.90	253.19	252.94	253.08	253.50	252.90	252.70	252.63	254.33	20
21	251.47	251.24	251.78	252.69	253.22 +	252.90	253.11	253.48	252.92	252.68	252.59	254.20	21
22	251.60	251.24	251.79	252.53	253.21	252.82	253.13	253.44	252.94	252.64	252.56	254.07	22
23	251.65	251.21	251.80	252.44	253.16	252.80 -	253.16	253.43	253.00	252.63	252.54	254.14	23
24	251.62	251.19	251.80	252.35	253.13	252.81	253.17	253.42	253.00	252.62	252.55	254.30	24
25	251.60	251.26	251.80	252.30	253.10	252.82	253.16	253.41	252.99	252.58	252.53 -	254.24	25
26	251.55	251.33	251.81 +	252.24	253.09	252.81	253.16	253.37	252.96	252.56 -	252.57	254.17	26
27	251.50	251.36	251.79	252.17	253.07	252.82	253.18	253.35	252.96	252.58	252.84	254.10	27
28	251.55	251.35	251.77	252.16	253.05	252.83	253.23	253.32	252.97	252.65	253.44	254.02	28
29	251.58	251.35	251.74	252.12	253.04	252.80 -	253.53	253.28	252.98	252.65	254.41	254.01	29
30	251.57		251.70	252.12	252.99	252.80 -	253.60 +	253.26 -	252.98	252.66	254.48 +	253.88	30
31	251.56		251.73		252.94		253.56			252.67		253.80	31
Monatsmittel	251.82	251.30 -	251.61	252.27	252.71	252.97	253.16	253.50	253.10	252.95	253.05	253.83 +	
Maximum	252.63	251.53 -	251.82	253.94	253.22	253.32	253.61	253.65	254.06	254.19	254.57 +	254.40	
Datum	06.01	01.02	25.03	17.04	20.05	14.06	29.07	11.08	02.09	11.10	29.11	19.12	
Amplitude	1.29	0.42	0.46	2.25	1.11	0.53	0.83	0.39	1.18	1.65	2.05	1.22	
Jahr 2012	Mittel	252.69 m ü.M.		Maximum	254.57 (29.Nov)	Minimum	251.11 (16.Feb)			Amplitude	3.46 m		



Periode	2001 - 2012												
Monatsmittel	252.56	251.91 -	252.13	252.44	252.83	252.97	252.90	253.15 +	252.61	252.48	252.47	252.63	
Maximum	254.28	253.12 -	254.22	255.53	254.40	254.35	254.08	261.90 +	254.43	254.48	254.57	254.40	
Jahr	2003	2002	2006	2006	2002	2001	2002	2007	2006	2002	2012	2012	
Minimum	251.34	251.11	251.09 -	251.33	251.64	252.09	252.18 +	252.13	251.30	251.24	251.39	251.34	
Jahr	2012	2012	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	2.05	1.73	
Jahr	2010	2005	2006	2006	2010	2006	2002	2007	2006	2002	2012	2010	
Periode	Mittel	252.59 m ü.M.		Maximum	261.90 (10.Aug 2007)	Minimum	251.09 (11.Mrz 2011)			Amplitude	10.81 m		

Darstellung der letzten 12 Jahre

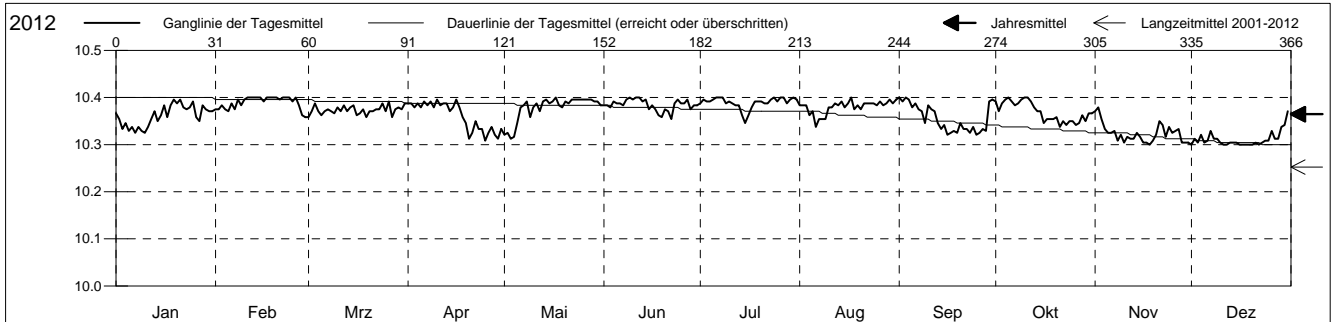


**Grundwassertemperatur**

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

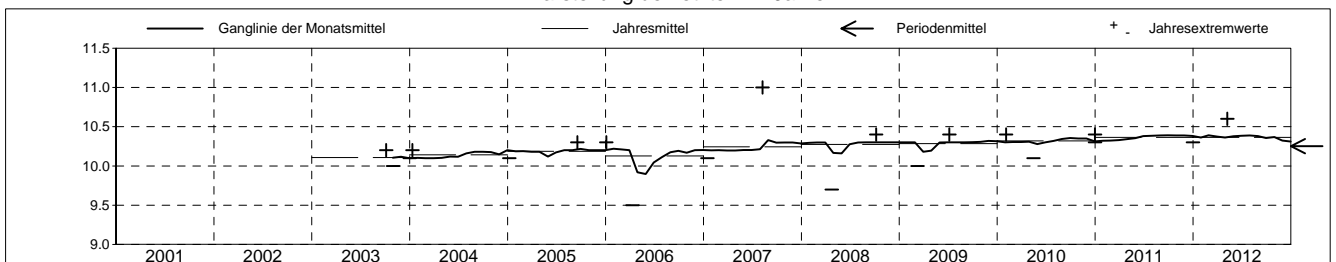
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	1
2	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	2
3	10.3 -	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	3
4	10.3 -	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	4
5	10.3 -	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	5
Tagesmittel													
6	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.3 -	10.3 -	6
7	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	7
8	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	8
9	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	9
10	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	10
11	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	11
12	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	12
13	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	13
14	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	14
15	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	15
Max. +													
16	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	10.3 -	10.3 -	16
17	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	17
18	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	18
19	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	19
20	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	20
Min. -													
21	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	10.4 +	10.3 -	21
22	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	22
23	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	10.3 -	10.3 -	23
24	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	24
25	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	25
26	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	10.3 -	10.3 -	26
27	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	10.3 -	10.3 -	27
28	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.3 -	10.3 -	28
29	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	29
30	10.4 +	10.4 +	10.4 +	10.3 -	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	30
31	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	31
Monatsmittel	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.4 +	10.3 -	10.3 -	
Maximum	10.4 -	10.4 -	10.4 -	10.4 -	10.6 +	10.4 -	10.4 -	10.4 -	10.4 -	10.4 -	10.4 -	10.4 -	
Datum	01.01	01.02	01.03	01.04	08.05	01.06	01.07	01.08	01.09	01.10	01.11	02.12	
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	01.08	02.09	01.10	01.11	01.12	
Amplitude	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Jahr 2012	Mittel	10.4 °C		Maximum	10.6 (08.Mai)		Minimum	10.3 (01.Jan)		Amplitude	0.3 °C		



Periode	2001 - 2012												
Monatsmittel	10.3 +	10.3 +	10.2 -	10.2 -	10.2 -	10.2 -	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +	10.3 +
Maximum	10.4 -	10.4 -	10.4 -	10.4 -	10.6	10.4 -	10.4 -	11.0 +	10.4 -	10.4 -	10.4 -	10.4 -	10.4 -
Jahr	2011	2010	2010	2010	2012	2010	2009	2007	2009	2008	2009	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 +	10.1 +
Jahr	2004	2004	2009	2006	2006	2006	2004	2004	2003	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	10.3 °C		Maximum	11.0 (09.Aug 2007)		Minimum	9.5 (11.Apr 2006)		Amplitude	1.5 °C		

Darstellung der letzten 12 Jahre

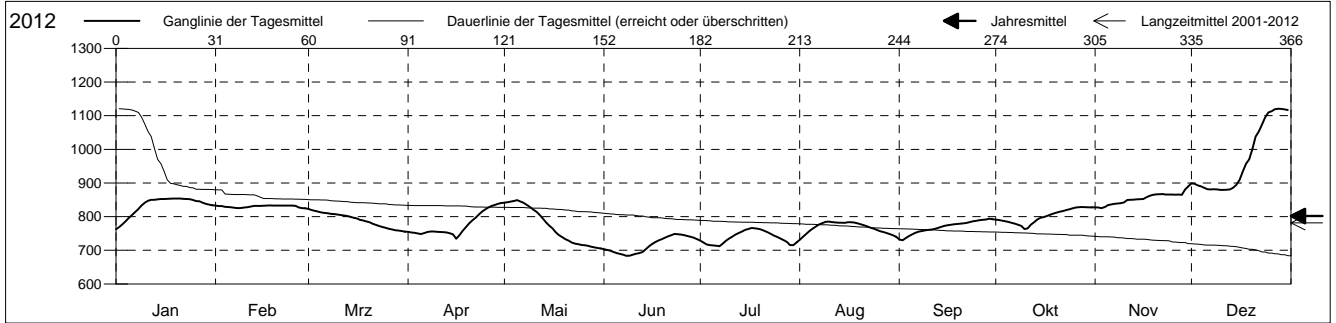


**Leitfähigkeit**

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: 0.00 / 0.00

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
1	763 -	833 +	823 +	755	842	703	729	731 -	733	791	828	899	1	
2	769	832	820	753	843	701	723	740	730 -	790	828	898	2	
3	777	831	817	752	845	699	717	749	736	788	826 -	893	3	
4	787	829	815	750	847	695	716	757	742	786	829	890	4	
5	796	829	812	748	849 +	692	714	765	748	784	834	886	5	
Tagesmittel														
6	805	828	811	751	845	689	714	771	752	782	836	881	6	
7	814	826	810	754	841	687	712 -	777	755	779	838	881	7	
8	823	825 -	808	756	835	684 -	720	781	758	776	839	882	8	
9	833	826	808	756	829	684 -	728	784	759	773	840	881	9	
10	842	827	806	755	821	687	735	785 +	760	763 -	843	880 -	10	
11	847	828	805	755	814	690	741	784	762	766	849	880 -	11	
12	850	830	804	754	805	692	747	783	764	776	850	880 -	12	
13	850	832	802	753	794	695	752	782	767	784	850	881	13	
14	851	832	800	751	783	703	756	782	770	792	851	886	14	
15	852	832	797	748	773	712	761	782	772	797	852	895	15	
Max. +														
16	853	832	795	734 -	765	719	763	783	774	799	852	909	16	
17	853	833 +	791	745	754	725	767 +	784	776	802	858	934	17	
18	854 +	833 +	788	758	745	729	766	783	777	806	862	957	18	
19	854 +	833 +	786	769	739	733	764	780	779	809	865	971	19	
20	854 +	833 +	783	780	733	737	762	777	780	812	866	1001	20	
Min. -														
21	854 +	833 +	779	789	729	742	758	774	780	815	867	1038	21	
22	853	833 +	776	797	723	745	754	771	782	817	867	1053	22	
23	853	833 +	772	806	720	749 +	749	768	784	820	866	1075	23	
24	852	833 +	770	815	718	748	744	764	786	822	866	1096	24	
25	850	833 +	767	821	716	747	740	761	788	825	866	1110	25	
26	847	832	764	827	715	745	735	757	790	827	865	1114	26	
27	846	827	762	832	713	743	730	755	791	829 +	866	1119	27	
28	842	825 -	760	835	711	741	725	752	792	829 +	865	1121 +	28	
29	838	825 -	759	838	709	737	715	748	794 +	828	881	1120	29	
30	836		758	840 +	707	733	716	745	793	828	890 +	1119	30	
31	834		756 -		706 -		724	740		828		1117	31	
Monatsmittel	833	830	790	776	773	716 -	738	768	769	801	853	972 +		
Maximum	854	834	826	841	850	749 -	767	786	795	830	906	1122 +		
Datum	18.01	01.02	01.03	30.04	05.05	23.06	17.07	09.08	29.09	28.10	29.11	27.12		
Minimum	761	823	752	720	703	679 -	706	728	725	755	823	878 +		
Datum	01.01	29.02	31.03	16.04	31.05	09.06	06.07	01.08	02.09	11.10	03.11	10.12		
Amplitude	93	11	74	121	147	70	61	58	70	75	83	244		
Jahr 2012	Mittel	802 µs/cm		Maximum		1122 (27.Dez)		Minimum		679 (09.Jun)		Amplitude		443 µs/cm



Periode	2001 - 2012													
Monatsmittel	784	814	869	913 +	885	812	745	703	709	702 -	712	754		
Maximum	899 -	903	1068	1116	1141 +	1141 +	1010	1072	1041	1043	906	1122		
Jahr	2011	2004	2007	2005	2005	2005	2006	2007	2007	2006	2012	2012		
Minimum	680	703	716	720 +	672	619	618	587 -	587 -	597	601	609		
Jahr	2006	2006	2008	2012	2011	2011	2011	2010	2011	2008	2009	2011		
Amplitude	158	128 -	247	322	313	239	231	356 +	170	208	131	244		
Jahr	2004	2009	2006	2008	2010	2005	2006	2007	2006	2007	2006	2012		
Periode	Mittel	782 µs/cm		Maximum		1141 (29.Mai 2005)		Minimum		587 (15.Aug 2010)		Amplitude		554 µs/cm

Darstellung der letzten 12 Jahre

