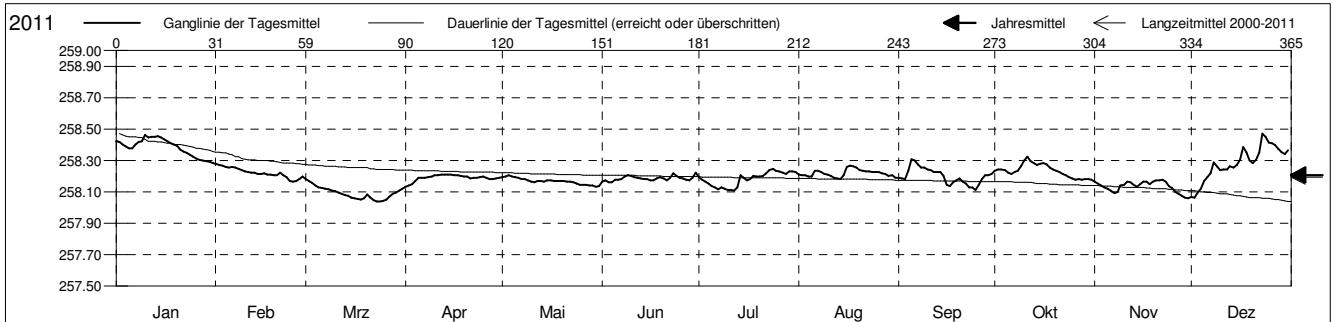


Grundwasserstände

Birstal
 Münchenstein 20.J.90 Grün80
 Abstichpunkt: 261.97 m ü.M.
 OK Terrain: 262.14 m ü.M.

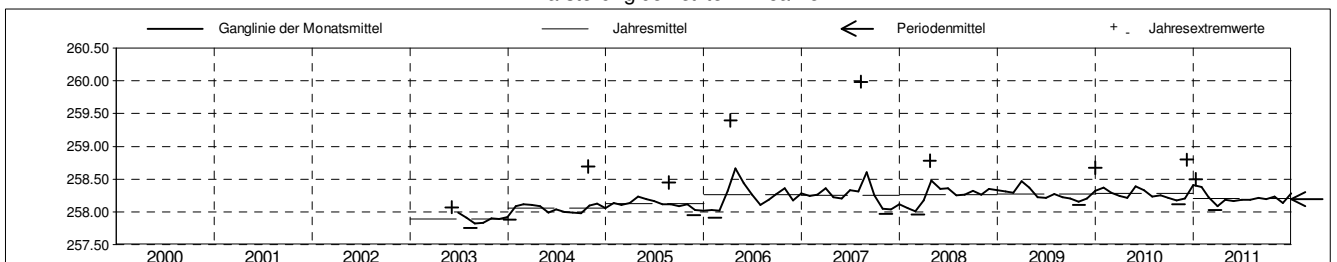
Amt für Umweltschutz und Energie
Kanton Basel-Landschaft
 Koordinaten: 613667.50 / 264464.31

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	258.42	258.28 +	258.18 +	258.13 -	258.19	258.16 -	258.19	258.21	258.19	258.23	258.17	258.07	1
2	258.42	258.27	258.17	258.14	258.20	258.17	258.18	258.20	258.19	258.24	258.15	258.06 -	2
3	258.40	258.27	258.16	258.15	258.21 +	258.16 -	258.16	258.20	258.18	258.24	258.14	258.10	3
4	258.39	258.26	258.14	258.17	258.20	258.16 -	258.15	258.20	258.24	258.24	258.13	258.12	4
5	258.38	258.25	258.13	258.19	258.19	258.18	258.14	258.20	258.31 +	258.22	258.12	258.17	5
Tagesmittel													
6	258.38	258.26	258.12	258.19	258.19	258.18	258.13	258.23	258.30	258.21	258.11	258.19	6
7	258.40	258.25	258.12	258.19	258.18	258.18	258.11 -	258.23	258.27	258.23	258.09	258.22	7
8	258.42	258.25	258.12	258.19	258.18	258.20	258.13	258.23	258.25	258.23	258.10	258.29	8
9	258.42	258.24	258.11	258.20	258.17	258.21	258.12	258.21	258.26	258.26	258.14	258.26	9
10	258.46 +	258.23	258.10	258.20	258.17	258.20	258.11 -	258.21	258.24	258.30	258.14	258.24	10
11	258.44	258.23	258.09	258.21 +	258.16	258.19	258.11 -	258.20	258.24	258.32 +	258.16	258.24	11
12	258.45	258.22	258.09	258.21 +	258.17	258.19	258.11 -	258.19	258.23	258.30	258.16	258.24	12
13	258.45	258.22	258.08	258.21 +	258.17	258.18	258.13	258.18	258.23	258.28	258.14	258.26	13
14	258.45	258.22	258.07	258.21 +	258.17	258.18	258.21	258.18 -	258.23	258.27	258.13	258.25	14
15	258.45	258.21	258.06	258.21 +	258.17	258.18	258.19	258.20	258.20	258.28	258.15	258.27	15
Max. +													
16	258.43	258.22	258.06	258.20	258.17	258.17	258.17	258.26	258.14	258.28	258.17	258.30	16
17	258.42	258.21	258.05	258.21 +	258.17	258.17	258.18	258.27 +	258.14	258.27	258.16	258.38	17
18	258.41	258.21	258.05	258.20	258.17	258.19	258.20	258.26	258.16	258.25	258.15	258.35	18
19	258.40	258.21	258.06	258.20	258.17	258.19	258.20	258.25	258.17	258.24	258.16	258.30	19
20	258.39	258.20	258.08	258.20	258.17	258.18	258.20	258.24	258.18	258.24	258.17	258.28	20
Min. -													
21	258.37	258.22	258.06	258.19	258.17	258.17	258.20	258.23	258.16	258.22	258.17	258.30	21
22	258.36	258.21	258.04 -	258.19	258.17	258.19	258.22	258.23	258.15	258.21	258.18 +	258.35	22
23	258.35	258.19	258.04 -	258.19	258.16	258.22 +	258.24	258.23	258.13	258.20	258.16	258.47 +	23
24	258.33	258.17	258.04 -	258.19	258.15	258.20	258.25 +	258.23	258.13	258.19	258.14	258.45	24
25	258.32	258.16 -	258.04 -	258.20	258.15	258.19	258.24	258.23	258.11 -	258.19	258.12	258.41	25
26	258.31	258.17	258.05	258.19	258.15	258.19	258.23	258.23	258.14	258.18 -	258.10	258.41	26
27	258.30	258.18	258.07	258.18	258.14	258.18	258.22	258.22	258.18	258.18 -	258.09	258.40	27
28	258.30	258.20	258.09	258.18	258.14	258.17	258.21	258.21	258.20	258.18 -	258.08	258.37	28
29	258.29		258.10	258.18	258.14	258.19	258.23	258.20	258.20	258.18 -	258.06 -	258.35	29
30	258.29		258.11	258.19	258.13 -	258.22 +	258.23	258.20	258.22	258.18 -	258.06 -	258.34	30
31	258.28 -		258.12		258.14		258.22	258.19		258.18 -		258.36	31
Monatsmittel	258.38 +	258.22	258.09 -	258.19	258.17	258.18	258.18	258.22	258.20	258.23	258.13	258.28	
Maximum	258.50 +	258.30	258.20	258.24	258.22	258.24	258.27	258.27	258.32	258.34	258.18 -	258.48	
Datum	10.01	01.02	01.03	13.04	03.05	30.06	24.07	17.08	05.09	10.10	21.11	23.12	
Amplitude	0.23	0.15	0.18	0.11	0.09	0.10	0.18	0.10	0.22	0.17	0.12	0.43	
Jahr 2011	Mittel	258.21 m ü.M.		Maximum	258.50 (10.Jan)		Minimum	258.02 (23.Mrz)		Amplitude	0.48 m		



Periode	2000 - 2011												
Monatsmittel	258.20	258.16	258.24	258.31 +	258.25	258.21	258.15	258.19	258.15	258.15	258.13 -	258.19	
Maximum	258.66	258.44	258.79	259.40	258.60	258.59	258.40 -	259.99 +	259.02	258.71	258.52	258.80	
Jahr	2010	2010	2006	2006	2006	2007	2009	2007	2006	2006	2008	2010	
Minimum	257.88	257.91	257.96	257.98 +	257.94	257.90	257.82	257.75 -	257.77	257.78	257.83	257.85	
Jahr	2004	2006	2008	2004	2004	2003	2003	2003	2003	2003	2003	2003	
Amplitude	0.44	0.26	0.75	1.00	0.37	0.36	0.21 -	1.77 +	0.92	0.75	0.27	0.64	
Jahr	2004	2005	2006	2006	2010	2007	2009	2007	2006	2004	2010	2010	
Periode	Mittel	258.19 m ü.M.		Maximum	259.99 (09.Aug 2007)		Minimum	257.75 (14.Aug 2003)		Amplitude	2.24 m		

Darstellung der letzten 12 Jahre



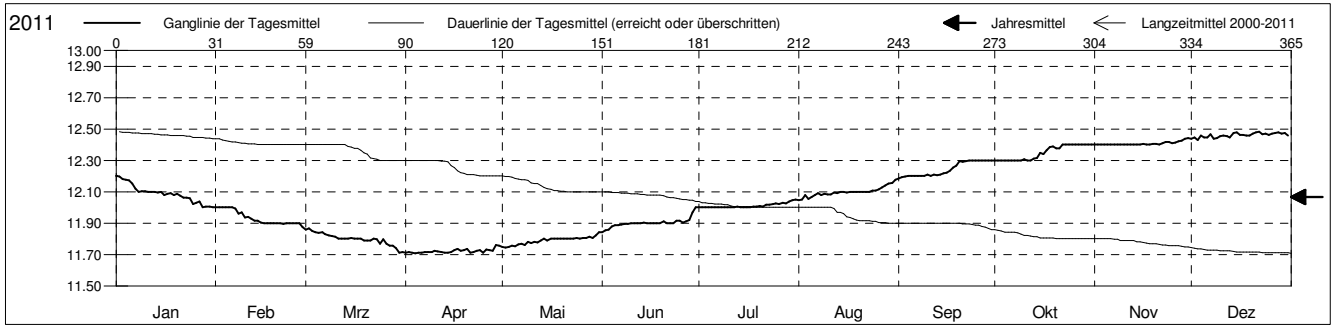
Grundwassertemperatur

Birstal
 Münchenstein 20.J.90 Grün80
 Abstichpunkt: 261.97 m ü.M.
 OK Terrain: 262.14 m ü.M.

Amt für Umweltschutz und Energie
Kanton Basel-Landschaft
 Koordinaten: 613667.50 / 264464.31

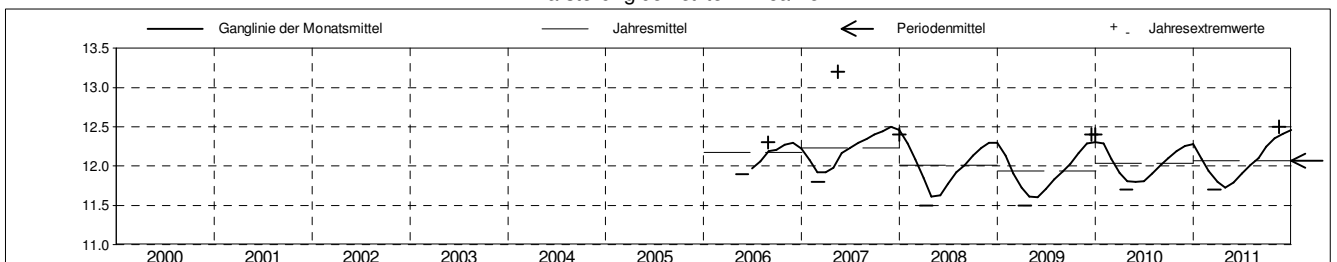
2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	12.2 +	12.0 +	11.9 +	11.7 -	11.8 +	11.8 -	12.0 -	12.0 -	12.2 -	12.3 -	12.4 +	12.4 -	1
2	12.2 +	12.0 +	11.9 +	11.7 -	11.7 -	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.4 -	2
3	12.2 +	12.0 +	11.9 +	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.4 -	3
4	12.2 +	12.0 +	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.5 +	4
5	12.2 +	12.0 +	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.4 -	5
6	12.2 +	12.0 +	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.4 -	6
7	12.1	12.0 +	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.5 +	7
8	12.1	12.0 +	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.4 -	8
9	12.1	12.0 +	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.4 -	9
10	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.5 +	10
11	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.5 +	11
12	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.5 +	12
13	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.4 -	13
14	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.5 +	14
15	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.4 +	12.4 +	12.5 +	15
Max. +													
16	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.3 -	12.4 +	12.5 +	16
17	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.2 -	12.4 +	12.4 +	12.5 +	17
18	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	18
19	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	19
Min. -													
20	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	20
21	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	21
22	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	22
23	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	23
24	12.1	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	24
25	12.0 -	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	25
26	12.0 -	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	26
27	12.0 -	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	27
28	12.0 -	11.9 -	11.8	11.7 -	11.8 +	11.9	12.0 -	12.1	12.3 +	12.4 +	12.4 +	12.5 +	28
29	12.0 -		11.7 -	11.8 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.4 +	12.4 +	12.5 +	29
30	12.0 -		11.7 -	11.8 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.4 +	12.4 +	12.5 +	30
31	12.0 -		11.7 -		11.8 +		12.1 +	12.2 +		12.4 +		12.5 +	31
Monatsmittel	12.1	11.9	11.8	11.7 -	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5 +	
Maximum	12.2	12.0	11.9	11.8 -	11.9	12.0	12.1	12.2	12.3	12.4	12.5 +	12.5 +	
Datum	01.01	01.02	01.03	01.04	24.05	14.06	13.07	24.08	10.09	10.10	16.11	01.12	
Minimum	12.0	11.8	11.7 -	11.7 -	11.7 -	11.8	12.0	12.0	12.1	12.3	12.4 +	12.4 +	
Datum	14.01	22.02	19.03	01.04	01.05	01.06	01.07	01.08	01.09	01.10	01.11	01.12	
Amplitude	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	

Jahr 2011 Mittel 12.1 °C Maximum 12.5 (16.Nov) Minimum 11.7 (19.Mrz) Amplitude 0.8 °C



Periode	2000 - 2011												
Monatsmittel	12.2	12.0	11.8	11.7 -	11.8	11.9	12.0	12.1	12.2	12.3 +	12.3 +	12.3 +	
Maximum	12.4	12.3	12.0 -	12.1	13.2 +	12.3	12.3	12.4	12.5	12.5	12.5	12.5	
Jahr	2008	2010	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	
Minimum	11.9	11.8	11.6	11.5 -	11.5 -	11.6	11.7	11.8	11.9	12.1	12.2 +	12.1	
Jahr	2007	2009	2008	2008	2008	2008	2009	2009	2009	2009	2006	2006	
Amplitude	0.3	0.4	0.4	0.2 -	1.2 +	0.3	0.3	0.2 -	0.2 -	0.2 -	0.2 -	0.2 -	
Jahr	2007	2010	2008	2007	2007	2008	2006	2006	2009	2009	2008	2006	
Periode	Mittel	12.1 °C	Maximum	13.2 (16.Mai 2007)	Minimum	11.5 (09.Apr 2008)	Amplitude	1.7 °C					

Darstellung der letzten 12 Jahre



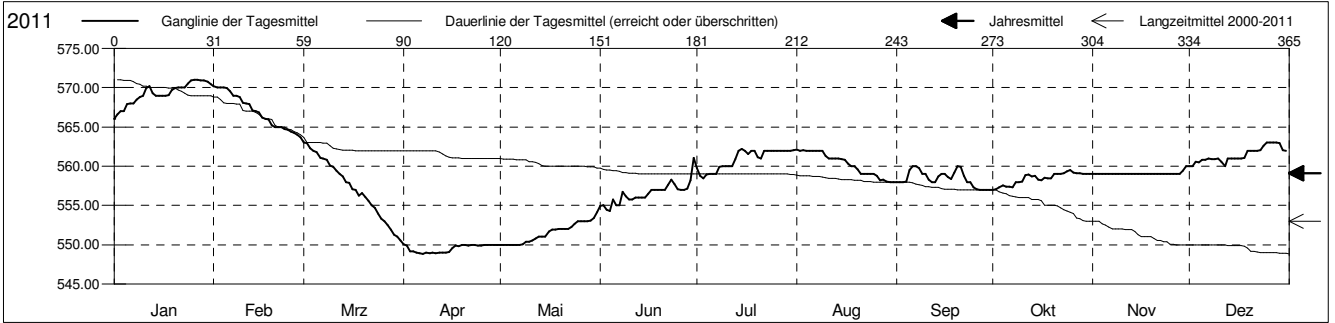
Leitfähigkeit

Birstal
 Münchenstein 20.J.90 Grün80
 Abstichpunkt: 261.97 m ü.M.
 OK Terrain: 262.14 m ü.M.

Amt für Umweltschutz und Energie
Kanton Basel-Landschaft
 Koordinaten: 613667.50 / 264464.31

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	566 -	570 +	563 +	550 +	550 -	555	560	562 +	558	557 -	559 -	560 -	1
2	567	570 +	563 +	550 +	550 -	555	559	562 +	558	557 -	559 -	560 -	2
3	567	570 +	562	549 -	550 -	554 -	558 -	562 +	558	557 -	559 -	561	3
4	567	570 +	562	549 -	550 -	554 -	559	562 +	558	558	559 -	560 -	4
5	568	570 +	562	549 -	550 -	556	559	562 +	560 +	557 -	559 -	561	5
6	568	570 +	561	549 -	550 -	555	559	562 +	560 +	557 -	559 -	561	6
7	568	569	569	549 -	550 -	555	559	562 +	560 +	557 -	559 -	561	7
8	569	569	561	549 -	550 -	557	560	562 +	560 +	558	559 -	561	8
9	569	569	560	549 -	550 -	556	560	562 +	559	558	559 -	561	9
10	569	568	560	549 -	550 -	556	560	561	559	558	559 -	561	10
11	570	568	559	549 -	551	556	560	561	558	559	559 -	561	11
12	570	568	559	549 -	551	556	560	561	558	559	559 -	560 -	12
13	569	567	559	549 -	551	556	561	561	558	559	559 -	561	13
14	569	567	558	549 -	551	556	562 +	561	559	559	559 -	561	14
15	569	567	558	549 -	551	556	562 +	561	559	558	559 -	561	15
Max. +													
16	569	566	557	550 +	552	557	562 +	561	559	558	559 -	561	16
17	569	566	557	550 +	552	557	562 +	560	559	559	559 -	561	17
18	569	566	556	550 +	552	557	562 +	560	558	559	559 -	561	18
19	570	565	557	550 +	552	557	562 +	560	559	558	559 -	562	19
20	570	565	556	550 +	552	557	561	560	560 +	559	559 -	562	20
Min. -													
21	570	565	556	550 +	552	557	561	559	560 +	559	559 -	562	21
22	570	565	555	550 +	552	558	562 +	559	559	559	559 -	562	22
23	570	565	555	550 +	552	558	562 +	559	558	559	559 -	562	23
24	571 +	565	554	550 +	553	558	562 +	559	558	559	559 -	563 +	24
25	571 +	564 -	553	550 +	553	557	562 +	559	557 -	560 +	559 -	563 +	25
26	571 +	564 -	553	550 +	553	557	562 +	559	557 -	559	559 -	563 +	26
27	571 +	564 -	553	550 +	553	557	562 +	558 -	557 -	559	559 -	563 +	27
28	571 +	564 -	552	550 +	553	557	562 +	558 -	557 -	559	559 -	563 +	28
29	571 +		551 -	550 +	553	558	562 +	558 -	557 -	559	559 -	563 +	29
30	571 +		551 -	550 +	553	561 +	562 +	558 -	557 -	559	560 +	562	30
31	570		551 -		554 +		562 +	558 -		559		562	31
Monatsmittel	569 +	567	557	550 -	551	557	561	560	558	558	559	561	
Maximum	571 +	571 +	563	551 -	555	563	563	563	560	560	560	563	
Datum	12.01	01.02	01.03	01.04	31.05	30.06	13.07	01.08	05.09	20.10	10.11	23.12	
Minimum	566 +	563	550	548 -	550	554	558	558	557	557	559	560	
Datum	01.01	28.02	31.03	06.04	01.05	01.06	02.07	26.08	25.09	01.10	01.11	01.12	
Amplitude	5	8	13	3	5	9	5	5	3	3	1	3	

Jahr 2011 Mittel 559 µs/cm Maximum 571 (12.Jan) Minimum 548 (06.Apr) Amplitude 23 µs/cm



Periode	2000 - 2011												
Monatsmittel	557 +	557 +	555	548	547 -	551	551	555	553	553	554	555	
Maximum	571	573	568	563 -	566	563 -	563 -	612 +	575	576	569	568	
Jahr	2011	2007	2007	2007	2006	2011	2006	2007	2006	2006	2006	2006	
Minimum	543 +	542	539	534	528	531	525 -	532	531	536	539	538	
Jahr	2008	2008	2008	2009	2009	2009	2008	2008	2008	2008	2008	2008	
Amplitude	13	11 -	13	19	11 -	12	14	61 +	15	15	12	19	
Jahr	2009	2009	2011	2009	2010	2009	2008	2007	2007	2006	2007	2008	
Periode	Mittel	553 µs/cm		Maximum	612 (10.Aug 2007)			Minimum	525 (20.Jul 2008)			Amplitude	87 µs/cm

Darstellung der letzten 12 Jahre

