

GRUNDWASSERSTÄNDE

JAHRBUCH 2011

JAHRESGANGLINIEN ÜBER MEHRERE JAHRE



Grundwasserprobenahme Kanton Zug

Zug 11.06.2012

Herausgeber: Amt für Umweltschutz des Kantons Zug

Thomas Binzegger, Projektleiter Wasser / Boden

1. Einleitung

Im Kanton Zug werden an 35 Standorten kontinuierlich die Grundwasserstände aufgezeichnet. Das Grundwasser-Messstellennetz soll eine Übersicht über die aktuellen Grundwasserstände sowie die kurz- und langfristigen Schwankungen ermöglichen.

Das Datenblatt der Grundwasserstände enthält die Tagesmittelwerte (bzw. Einzelmessungen) in Metern über Meer. Es folgen für jeden Monat und das gesamte Jahr die Mittelwerte, das Maximum (Spitze) und Minimum mit dem zugehörigen Datum sowie die Amplituden. Die Amplituden entsprechen der Differenz zwischen dem höchsten und niedrigsten gemessenen Wert im entsprechenden Zeitraum. Anschliessend sind die Jahresganglinie, die Dauerlinie sowie der Jahresmittelwert als Pfeil am Rande der Graphik dargestellt.

In der Periodentabelle sind für jeden Monat und das gesamte Jahr die Mittelwerte, die Maxima (Spitzen) und Minima sowie die grössten Amplituden angegeben. Die Periodengraphik enthält zusammen mit den Jahresextremwerten die Ganglinie der Monats- und Jahresmittel. Als Pfeil am Rand sind die langjährigen Periodenmittel der vergangenen Jahre dargestellt.

Ein Grundwasservorkommen wird sowohl durch die flächenhafte Versickerung der Niederschläge und der Infiltration aus Oberflächengewässern gespeisen. Der Grundwasserspiegel spricht zeitlich verzögert auf diese Einflüsse an. Die Beobachtung der Grundwasserstände zusammen mit Niederschlags- und Abflussmengen erlaubt es, wichtige Hinweise über die Merkmale der einzelnen Grundwasservorkommen zu gewinnen.

Die Grundwasservorkommen entlang der Reuss werden vom Wasserstand und der Wasserführung des Flusses beeinflusst. Die Flussinfiltration ist bei einigen Messstellen deutlich erkennbar.

Datenquelle: Amt für Umweltschutz des Kantons Zug

Grundwasserpegelmessnetz des Kantons Zug

Stand 2011

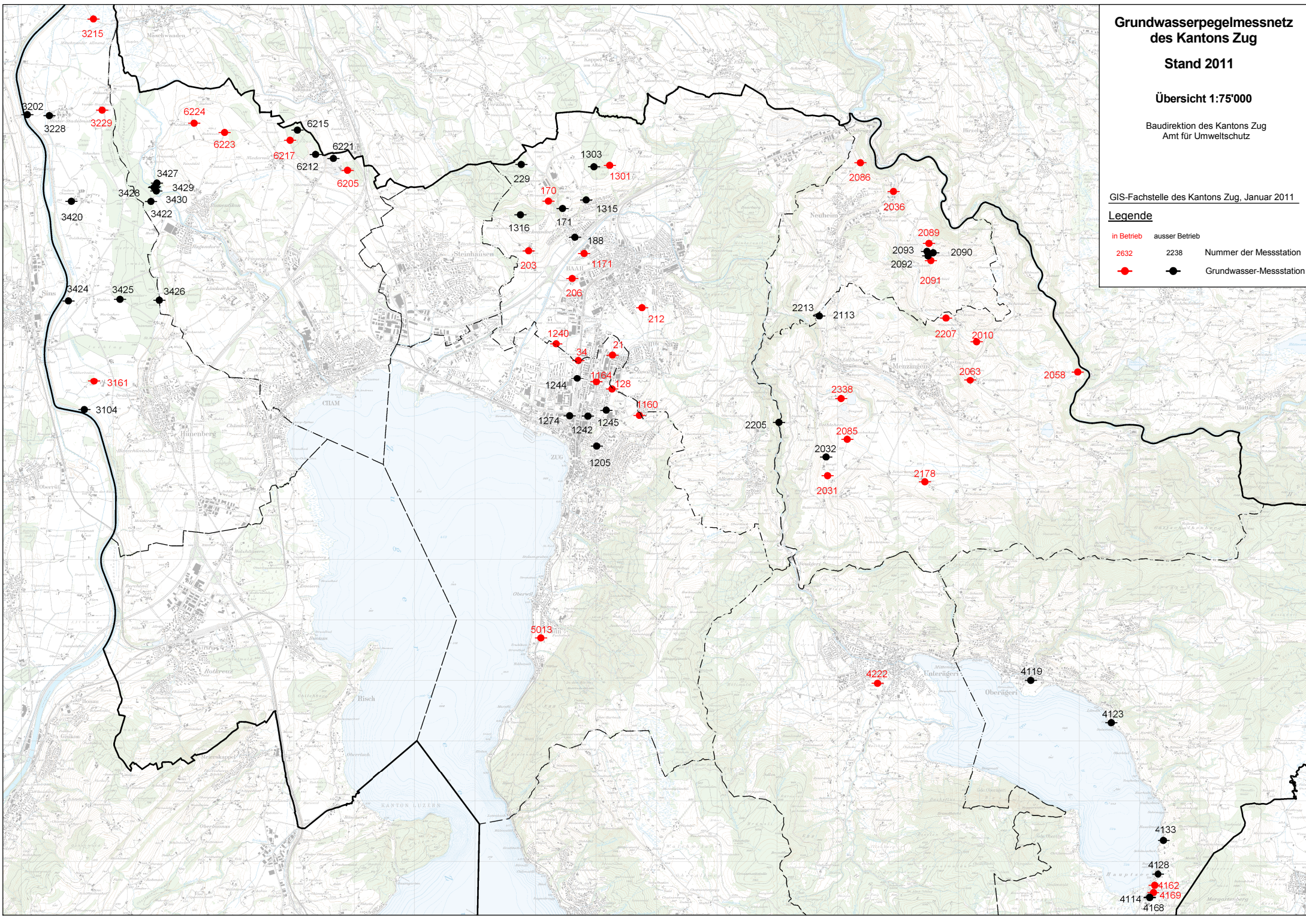
Übersicht 1:75'000

Baudirektion des Kantons Zug
Amt für Umweltschutz

GIS-Fachstelle des Kantons Zug, Januar 2011

Legende

●	in Betrieb	●	ausser Betrieb
●	2632	●	2238
●		●	Nummer der Messstation
●		●	Grundwasser-Messstation



2. Inhaltverzeichnis Grundwassermessstellen 2011

Seite	Nummer	Name Messstation
1	0021	Zug - Grienbachstrasse
2	0034	Baar - Baarer Fussweg
3	0128	Zug - Göblistrasse
4	0170	Baar - Bachtalen
5	0203	Baar - Zimbel
6	0206	Baar - Weidhof / Weststrasse
7	0212	Baar - Grund
8	1160	Zug - Arbach
9	1164	Zug - Industriestrasse / Göblistrasse
10	1171	Baar - Wiesental
11	1240	Zug - Neuhof
12	1301	Baar - Schönbühlwald
13	2010	Menzingen - Winzwilen - Süd
14	2031	Menzingen - KIBAG 4 - Bergli
15	2036	Neuheim - Neutal
16	2058	Menzingen - Hintercher - Sihlwald
17	2063	Menzingen - Brätigen - West
18	2085	Menzingen - KIBAG Bethlehem
19	2086	Neuheim - Neuhus / Chrützhügel (Risi Nr. 21)
20	2089	Neuheim - Hof (SPB 1/99, Sand AG)
21	2091	Neuheim - Hoflinde (SPB 2/00, Sand AG)
22	2178	Menzingen - Schurtannen
23	2207	Menzingen - Winzwilen
24	2338	Menzingen - KIBAG 6 / Wösch
25	3161	Hünenberg - Drälikon
26	3215	Hünenberg - Reusspitz
27	3229	Hünenberg - Vordere Stadelmatt
28	4162	Oberägeri - Morgarten / Balmi
29	4169	Oberägeri - Morgarten / Teufi - Seeblick
30	4222	Unterägeri - Buechholz
31	5013	Zug - Oberwil - Trubikon
32	6205	Cham - Oberwilerwald
33	6217	Cham - Ebnetwald
34	6223	Cham - Hatwil 2/09
35	6224	Cham - Hubletzen 4/09

Grundwasserstände



Orpheus Mini

Nr. 0021 Zug - Grienbachstrasse

Koordinaten: 682'270 / 226'385

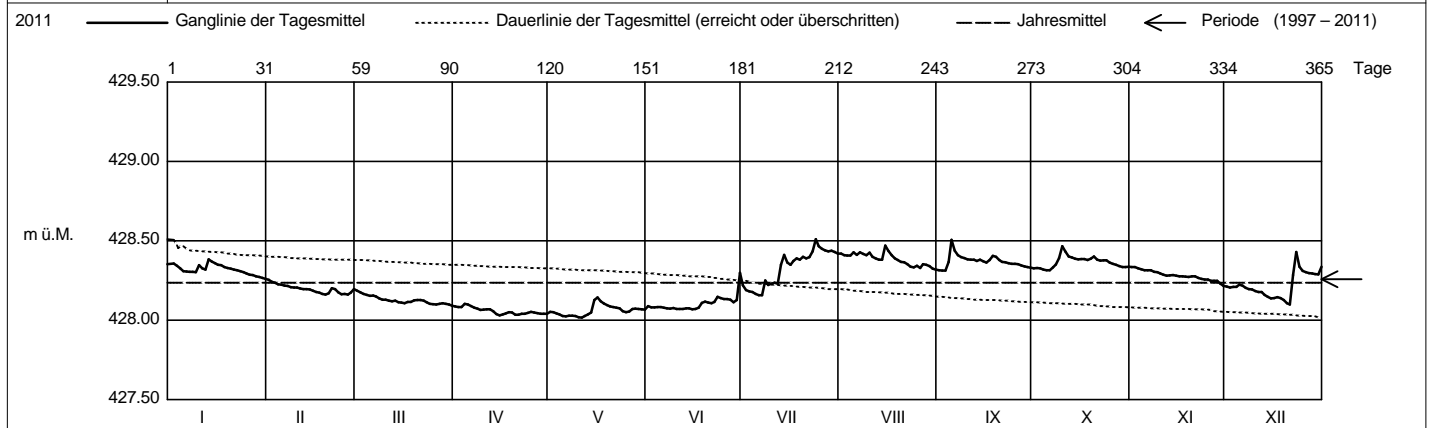
Abstichpunkt: 430.50 m ü.M. OK Terrain: 429.93 m ü.M.

KANTON ZUG

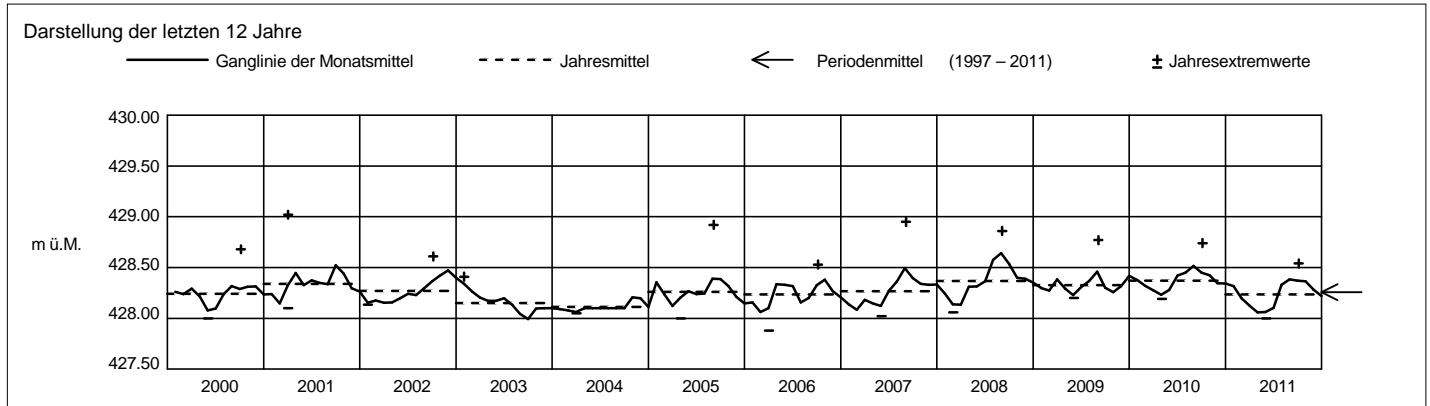
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember			
Tagesmittel	1	428.35	428.26+	428.19+	428.09	428.05	428.09	428.22	428.42	428.32	428.33	428.33	428.21	1		
	2	428.36	428.24	428.18	428.08	428.05	428.08	428.19	428.41	428.31-	428.33	428.34+	428.21	2		
	3	428.34	428.24	428.17	428.08	428.04	428.08	428.18	428.41	428.31-	428.33	428.33	428.21	3		
	4	428.33	428.23	428.16	428.10+	428.04	428.08	428.18	428.41	428.37	428.32	428.32	428.21	4		
	5	428.31	428.22	428.15	428.10+	428.03	428.08	428.17	428.43	428.51+	428.32	428.32	428.23	5		
	6	428.31	428.22	428.16	428.09	428.03	428.08	428.16-	428.41	428.44	428.31-	428.32	428.22	6		
	7	428.30	428.22	428.15	428.08	428.03	428.08	428.16-	428.43	428.41	428.33	428.31	428.20	7		
	8	428.31	428.21	428.14	428.07	428.03	428.07-	428.25	428.42	428.40	428.35	428.31	428.20	8		
	9	428.30	428.21	428.13	428.07	428.03	428.08	428.22	428.41	428.39	428.39	428.30	428.19	9		
	10	428.35	428.21	428.13	428.07	428.02-	428.07-	428.23	428.43	428.38	428.47+	428.30	428.18	10		
	11	428.33	428.20	428.12	428.07	428.02-	428.07-	428.24	428.40	428.38	428.43	428.29	428.18	11		
	12	428.32	428.20	428.12	428.07	428.03	428.07	428.23	428.39	428.38	428.38	428.28	428.18	12		
	13	428.38+	428.20	428.12	428.06	428.04	428.08	428.35	428.38	428.37	428.40	428.28	428.16	13		
	m ü.M.	14	428.37	428.19	428.11	428.04	428.05	428.08	428.41	428.38	428.38	428.39	428.28	428.15	14	
		15	428.36	428.19	428.11	428.03-	428.13	428.07-	428.36	428.47+	428.37	428.38	428.28	428.14	15	
		16	428.35	428.18	428.11	428.04	428.14+	428.07-	428.35	428.44	428.36	428.39	428.28	428.14	16	
		17	428.35	428.17	428.12	428.04	428.12	428.08	428.37	428.41	428.38	428.39	428.28	428.15	17	
		18	428.34	428.17	428.12	428.05	428.11	428.11	428.39	428.39	428.41	428.38	428.27	428.14	18	
		19	428.33	428.16-	428.13	428.05	428.10	428.12	428.38	428.38	428.40	428.39	428.27	428.13	19	
		20	428.33	428.17	428.13	428.03-	428.09	428.11	428.40	428.37	428.38	428.40	428.28	428.11	20	
		21	428.32	428.20	428.13	428.04	428.08	428.11	428.39	428.37	428.37	428.38	428.28	428.10-	21	
		22	428.31	428.20	428.12	428.04	428.08	428.12	428.40	428.35	428.37	428.38	428.27	428.29	22	
		23	428.31	428.18	428.11	428.04	428.08	428.15	428.43	428.34	428.36	428.38	428.26	428.43+	23	
	+ Maximum	24	428.30	428.16-	428.10	428.05	428.06	428.14	428.51+	428.33	428.36	428.38	428.26	428.34	24	
		25	428.30	428.17	428.10	428.05	428.05	428.13	428.47	428.34	428.36	428.36	428.26	428.31	25	
		26	428.29	428.16-	428.10	428.05	428.06	428.13	428.45	428.33	428.35	428.36	428.25	428.30	26	
		27	428.28	428.17	428.10	428.04	428.07	428.13	428.44	428.35	428.35	428.35	428.25	428.30	27	
		- Minimum	28	428.28	428.20	428.11	428.04	428.07	428.11	428.43	428.35	428.34	428.34	428.25	428.30	28
			29	428.27		428.10	428.04	428.07	428.13	428.44	428.34	428.34	428.34	428.23	428.29	29
			30	428.27		428.10	428.04	428.07	428.30+	428.43	428.33	428.33	428.34	428.22-	428.29	30
			31	428.26-		428.09-	428.04	428.07		428.42	428.32-		428.34		428.34	31
Monatsumme	428.32		428.20	428.13	428.06-	428.06-	428.10	428.33	428.38+	428.37	428.37	428.28	428.22	m ü.M.		
Spitze Datum	428.40 13.	428.26 1.	428.19 1.	428.12- 4.	428.16 15.	428.33 30.	428.53 24.	428.49 15.	428.54+ 5.	428.50 10.	428.34 1.	428.52 22.	m ü.M.			
Amplitude	0.15	0.11	0.11	0.10-	0.16	0.27	0.39	0.18	0.24	0.20	0.13	0.43+	m			

Jahr Mittel: 428.24 Spitze: 428.54 (05.09.2011) Minimum: 428.00 (11.05.2011) Amplitude: 0.54



Periode		1997 - 2011 (15 Jahre)												
Monatsumme		428.24	428.18-	428.20	428.23	428.20	428.24	428.28	428.32	428.33+	428.32	428.29	428.25	m ü.M.
Monats-Spitze Jahr		428.50 2005	428.51 1999	429.02+ 2001	428.72 2008	428.46- 2006	428.65 2010	428.85 2008	428.95 2007	428.82 2001	428.61 2001	428.58 2002	428.65 2001	m ü.M.
Monats-Minimum Jahr		428.03 1999	428.02 2006	427.88 2006	428.00 2005	427.99 1998	427.97 1998	428.07 1998	426.07- 2003	427.94 2003	427.94 2003	428.10+ 2003	428.06 2004	m ü.M.
Monats-Amplitude Jahr		0.27 2005	0.45 1999	0.92 2001	0.58 2008	0.25 2008	0.39 2001	0.55 2008	2.07+ 2003	0.49 2001	0.29 2001	0.24- 1998	0.47 2001	m
Periode		Mittel: 428.26		Spitze: 429.02 (13.03.2001)				Minimum: 426.07 (08.08.2003)				Amplitude: 2.95		



Grundwasserstände



Orpheus Mini

Nr. 0034 Baar - Baarerfussweg

Koordinaten: 681'705 / 226'296

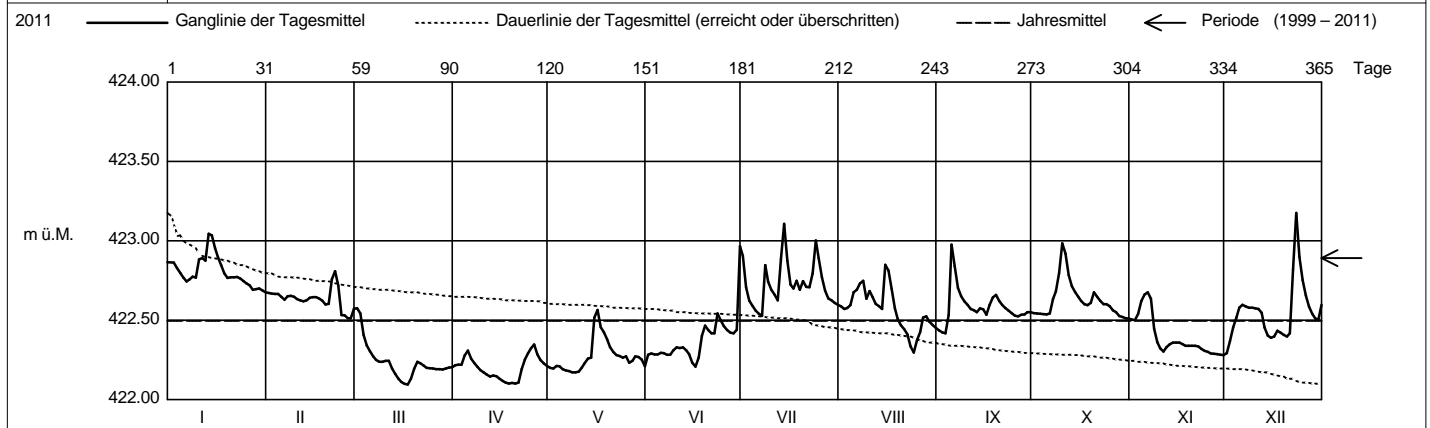
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KANTON ZUG

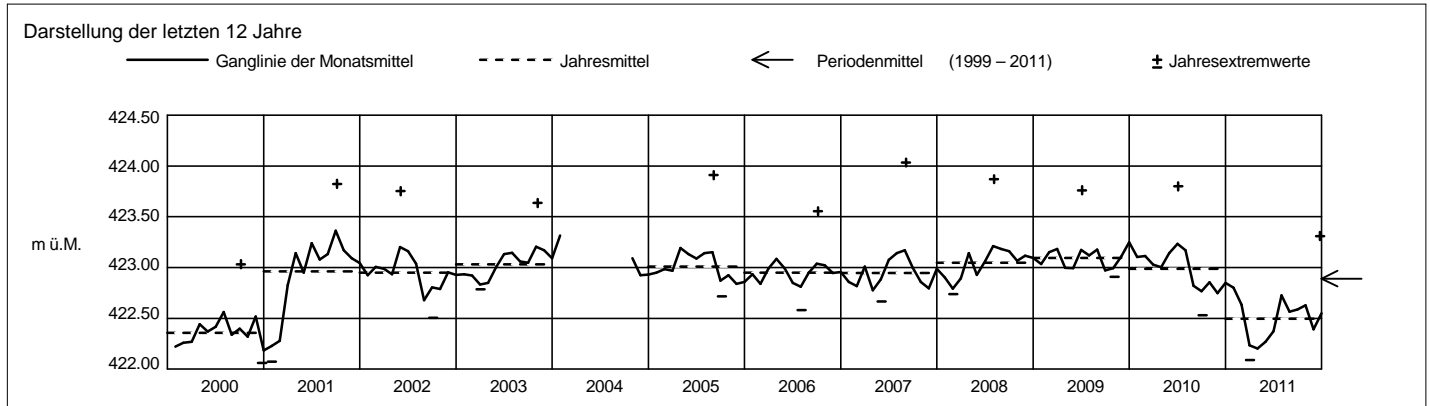
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	422.87	422.67	422.58+	422.22	422.20	422.28	422.91	422.59	422.44	422.54	422.51	422.29-	1
	2	422.86	422.67	422.54	422.22	422.20	422.29	422.71	422.57	422.42-	422.54	422.50	422.37	2
	3	422.83	422.67	422.41	422.22	422.21	422.28	422.62	422.58	422.42-	422.54	422.54	422.46	3
	4	422.80	422.67	422.34	422.28	422.21	422.28	422.59	422.59	422.53	422.54	422.62	422.52	4
	5	422.77	422.65	422.30	422.31	422.19	422.30	422.56	422.68	422.98+	422.54	422.66	422.58	5
	6	422.75	422.63	422.27	422.26	422.18	422.29	422.54	422.69	422.84	422.54	422.68+	422.60	6
	7	422.76	422.65	422.25	422.23	422.18	422.28	422.53-	422.73	422.70	422.63	422.64	422.59	7
	8	422.78	422.65	422.24	422.21	422.17-	422.28	422.62	422.75	422.65	422.68	422.65	422.58	8
	9	422.77	422.65	422.24	422.19	422.17-	422.31	422.74	422.64	422.62	422.80	422.36	422.58	9
	10	422.88	422.63	422.25	422.17	422.18	422.33	422.69	422.68	422.60	422.98+	422.32	422.57	10
m ü.M.	11	422.89	422.63	422.25	422.16	422.20	422.33	422.66	422.65	422.57	422.92	422.30	422.57	11
	12	422.88	422.62	422.20	422.15	422.23	422.33	422.63	422.56	422.56	422.62	422.33	422.55	12
	13	423.05+	422.63	422.16	422.15	422.26	422.31	422.89	422.59	422.55	422.71	422.35	422.45	13
	14	423.04	422.64	422.13	422.15	422.27	422.29	423.11+	422.57	422.58	422.68	422.36	422.40	14
	15	422.95	422.65	422.11	422.13	422.52	422.23	422.88	422.85+	422.57	422.65	422.36	422.39	15
	16	422.90	422.65	422.10	422.12	422.57+	422.21-	422.73	422.81	422.54	422.62	422.36	422.40	16
	17	422.85	422.64	422.09-	422.11	422.46	422.26	422.70	422.81	422.60	422.60	422.35	422.43	17
	18	422.79	422.62	422.13	422.10-	422.42	422.40	422.75	422.58	422.64	422.59	422.34	422.42	18
	19	422.77	422.60	422.19	422.10-	422.38	422.47	422.69	422.51	422.66	422.61	422.34	422.41	19
	20	422.77	422.60	422.24	422.10-	422.33	422.44	422.75	422.47	422.62	422.68	422.34	422.40	20
+ Maximum	21	422.77	422.76	422.23	422.11	422.30	422.42	422.71	422.44	422.60	422.65	422.34	422.42	21
	22	422.77	422.81+	422.21	422.19	422.28	422.42	422.71	422.41	422.58	422.62	422.34	422.82	22
	23	422.76	422.72	422.20	422.25	422.28	422.54	422.80	422.34	422.56	422.60	422.32	423.18+	23
	24	422.75	422.53	422.20	422.29	422.27	422.50	423.00	422.30-	422.55	422.60	422.31	422.90	24
	25	422.73	422.53	422.20	422.32	422.27	422.46	422.89	422.37	422.53	422.59	422.30	422.75	25
	26	422.72	422.51-	422.19	422.35+	422.23	422.44	422.77	422.43	422.53	422.56	422.29	422.66	26
	27	422.69	422.51-	422.19	422.28	422.24	422.42	422.69	422.52	422.54	422.55	422.29	422.59	27
	28	422.70	422.57	422.19	422.25	422.27	422.42	422.64	422.52	422.54	422.53	422.29	422.54	28
	29	422.70		422.20	422.23	422.27	422.44	422.63	422.49	422.55	422.52	422.28-	422.51	29
	30	422.69		422.20	422.25	422.25	422.97+	422.61	422.47	422.55	422.51-	422.28-	422.50	30
31	422.68-		422.20	422.21	422.21		422.60	422.45	422.45	422.51-	422.60	422.60	31	
Monatsmittel		422.80+	422.63	422.23	422.20-	422.27	422.37	422.73	422.57	422.59	422.63	422.39	422.55	m ü.M.
Spitze Datum		423.10 13.	422.83 22.	422.59 2.	422.36- 26.	422.61 16.	423.03 30.	423.18 14.	422.90 15.	423.07 5.	423.09 10.	422.69 7.	423.31+ 23.	m ü.M.
Amplitude		0.43	0.33	0.50	0.27-	0.45	0.83	0.67	0.62	0.66	0.58	0.41	1.03+	m

Jahr Mittel: 422.50 Spitze: 423.31 (23.12.2011) Minimum: 422.09 (16.03.2011) Amplitude: 1.22



Periode		1999 - 2011 (13 Jahre)												
Monatsmittel		422.86	422.84-	422.87	422.92	422.94	422.96+	422.93	422.89	422.89	422.90	422.85	422.86	m ü.M.
Monats-Spitze Jahr		423.60 2004	423.84 1999	423.58 2009	423.72 2008	423.96 1999	423.80 2010	423.87 2008	424.03+ 2007	423.82 2001	423.64 2003	423.54- 2003	423.60 2009	m ü.M.
Monats-Minimum Jahr		422.07 2000	422.10 2000	422.09 2011	422.09 2011	422.16 2011	422.11 1999	421.75 1999	421.65- 1999	422.21 2000	422.22+ 2000	422.14 1999	422.06 2000	m ü.M.
Monats-Amplitude Jahr		0.54- 2001	0.73 1999	1.04 2001	0.82 2008	0.81 1999	1.40 1999	1.00 1999	1.68+ 1999	1.26 2010	0.61 2008	1.02 1999	1.03 2011	m
Periode		Mittel: 422.89		Spitze: 424.03 (08.08.2007)			Minimum: 421.65 (10.08.1999)			Amplitude: 2.38				



Grundwasserstände



Orpheus Mini

Nr. 0128 Zug - Göblistrasse

Koordinaten: 682'263 / 225'815

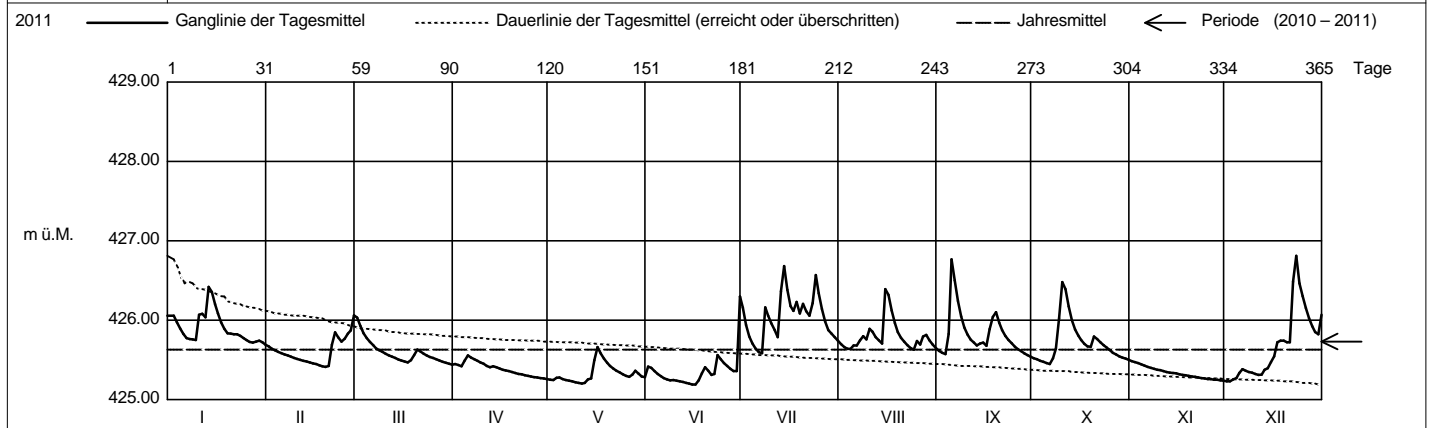
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KANTON ZUG

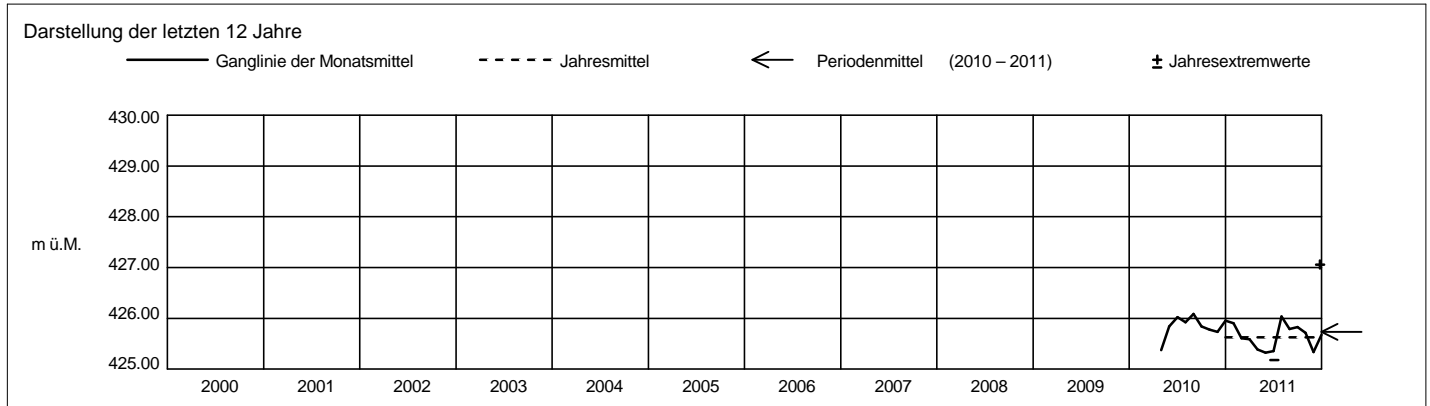
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	426.06	425.67	426.03+	425.45	425.25	425.42	426.16	425.70	425.61	425.52	425.49+	425.23-	1	
	2	426.06	425.64	425.93	425.43	425.25	425.40	425.94	425.66	425.59	425.51	425.47	425.23-	2	
	3	425.97	425.62	425.84	425.42	425.27	425.36	425.80	425.64	425.57	425.49	425.46	425.26	3	
	4	425.90	425.60	425.77	425.49	425.28	425.32	425.71	425.64	425.83	425.48	425.44	425.27	4	
	5	425.83	425.59	425.73	425.56+	425.26	425.30	425.64	425.68	426.77+	425.46	425.43	425.34	5	
	6	425.78	425.57	425.68	425.53	425.25	425.27	425.60	425.68	426.50	425.45-	425.41	425.38	6	
	7	425.76	425.56	425.65	425.51	425.24	425.26	425.58-	425.75	426.24	425.52	425.40	425.36	7	
	8	425.76	425.54	425.62	425.49	425.23	425.24	426.16	425.80	426.05	425.64	425.39	425.35	8	
	9	425.75	425.53	425.60	425.47	425.22	425.25	426.06	425.76	425.91	426.02	425.38	425.34	9	
	10	426.07	425.51	425.58	425.45	425.21	425.24	425.96	425.89	425.82	426.48+	425.37	425.32	10	
	11	426.08	425.50	425.56	425.43	425.20-	425.23	425.88	425.85	425.76	426.39	425.36	425.31	11	
	12	426.04	425.49	425.54	425.41	425.21	425.22	425.79	425.79	425.72	426.18	425.35	425.32	12	
	13	426.42+	425.48	425.52	425.42	425.26	425.21	426.36	425.75	425.68	426.00	425.34	425.38	13	
	m ü.M.	14	426.36	425.47	425.50	425.41	425.27	425.20	426.68+	425.71	425.71	425.88	425.34	425.40	14
		15	426.20	425.46	425.49	425.39	425.50	425.19-	426.38	426.39+	425.72	425.81	425.33	425.47	15
		16	426.09	425.45	425.48	425.38	425.66+	425.19-	426.18	426.32	425.68	425.75	425.32	425.55	16
		17	425.97	425.43	425.47	425.37	425.58	425.24	426.12	426.12	425.89	425.70	425.31	425.72	17
		18	425.89	425.42	425.50	425.36	425.52	425.33	426.23	425.96	426.04	425.67	425.31	425.74	18
		19	425.84	425.41-	425.56	425.35	425.46	425.41	426.09	425.85	426.10	425.67	425.30	425.74	19
		20	425.83	425.42	425.63	425.34	425.42	425.36	426.21	425.78	425.97	425.80	425.29	425.72	20
		21	425.82	425.69	425.61	425.32	425.39	425.31	426.11	425.73	425.88	425.76	425.29	425.72	21
		22	425.83	425.85	425.58	425.32	425.36	425.32	426.06	425.69	425.80	425.72	425.28	426.49	22
		23	425.80	425.78	425.56	425.31	425.34	425.56	426.22	425.65	425.75	425.69	425.27	426.81+	23
	24	425.78	425.73	425.54	425.30	425.32	425.51	426.57	425.63-	425.71	425.66	425.27	426.47	24	
	+ Maximum	25	425.75	425.77	425.53	425.29	425.30	425.46	426.34	425.74	425.67	425.63	425.26	426.31	25
		26	425.73	425.83	425.51	425.28	425.29	425.42	426.14	425.69	425.63	425.59	425.26	426.16	26
	- Minimum	27	425.72	425.87	425.49	425.28	425.32	425.39	425.98	425.80	425.61	425.57	425.25	426.02	27
		28	425.73	426.06+	425.48	425.27	425.36	425.36	425.88	425.82	425.54	425.25	425.92	425.85	28
		29	425.74		425.46	425.27	425.33	425.36	425.83	425.75	425.56	425.53	425.24-	425.85	29
		30	425.72		425.45	425.26-	425.29	426.30+	425.79	425.70	425.54-	425.52	425.24-	425.82	30
		31	425.69-		425.44-		425.28		425.74	425.65		425.50		426.07	31
Monatsumme		425.90	425.61	425.59	425.38	425.33-	425.35	426.04+	425.79	425.83	425.71	425.34	425.68	m ü.M.	
Spitze Datum	13.	28.	1.	4.	16.	30.	14.	15.	5.	10.	1.	22.	m ü.M.		
Amplitude	0.84	0.70	0.64	0.31	0.48	1.21	1.26	0.90	1.38	1.24	0.25-	1.83+	m		

Jahr Mittel: 425.63 Spitze: 427.06 (22.12.2011) Minimum: 425.18 (16.06.2011) Amplitude: 1.88



Periode		2010 - 2011 (2 Jahre)												
Monatsumme		425.90	425.61	425.59	425.38-	425.58	425.69	425.98+	425.94	425.83	425.75	425.54	425.82	m ü.M.
Monats-Spitze Jahr		426.52 2011	426.10 2011	426.08 2011	425.57- 2011	426.75 2010	427.05 2010	427.05 2010	426.66 2010	427.05 2010	426.68 2011	426.29 2010	427.06+ 2011	m ü.M.
Monats-Minimum Jahr		425.68+ 2011	425.40 2011	425.44 2011	425.26 2011	425.20 2011	425.18- 2011	425.49 2010	425.61 2011	425.52 2010	425.44 2011	425.24 2011	425.23 2011	m ü.M.
Monats-Amplitude Jahr		0.84 2011	0.70 2011	0.64 2011	0.31- 2011	1.39 2010	1.42 2010	1.56 2010	0.94 2010	1.53 2010	1.24 2011	0.76 2010	1.83+ 2011	m
Periode		Mittel: 425.73 Spitze: 427.06 (22.12.2011) Minimum: 425.18 (16.06.2011) Amplitude: 1.88												



Grundwasserstände



Orpheus Mini

Nr. 0170 Baar - Bachtalen

Koordinaten: 681'212 / 228'930

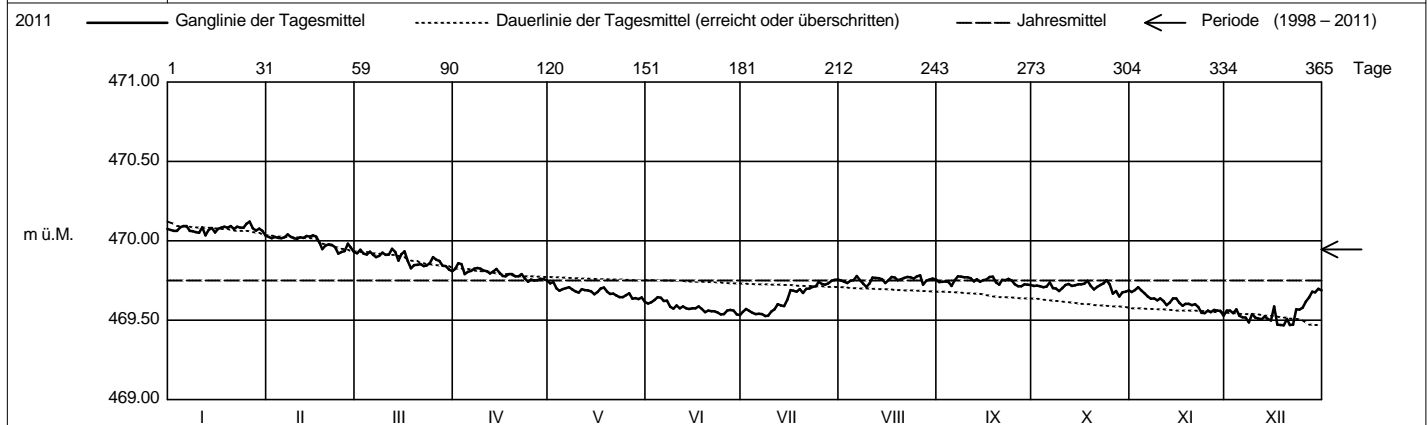
Abstichpunkt: 489.18 m ü.M. OK Terrain: 488.59 m ü.M.

KANTON ZUG

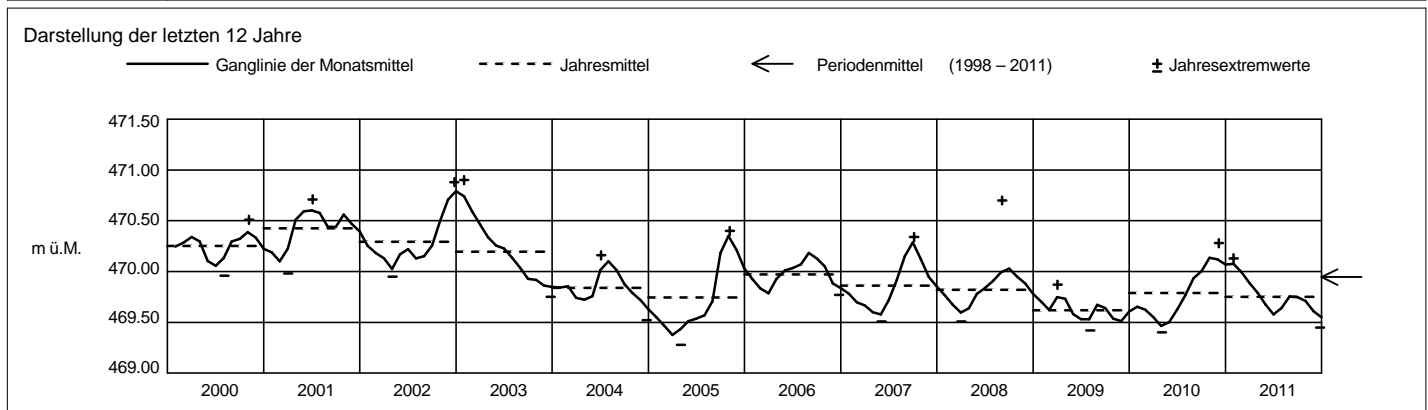
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	470.07	470.02	469.92	469.82	469.73	469.61	469.55	469.75	469.74	469.72	469.68	469.56	1	
	2	470.06	470.02	469.94	469.86+	469.74+	469.61	469.57	469.74	469.74	469.72	469.69	469.56	2	
	3	470.06	470.02	469.92	469.85	469.70	469.63	469.56	469.74	469.74	469.72	469.71+	469.54	3	
	4	470.09	470.02	469.91	469.79	469.69	469.65+	469.55	469.75	469.74	469.71	469.69	469.57	4	
	5	470.09	470.02	469.93	469.80	469.70	469.64	469.54	469.75	469.72-	469.71	469.67	469.53	5	
	6	470.09	470.02	469.91	469.81	469.70	469.62	469.54	469.78+	469.75	469.74	469.65	469.52	6	
	7	470.06	470.04+	469.90	469.83	469.71	469.62	469.54	469.75	469.78+	469.70	469.64	469.52	7	
	8	470.06	470.02	469.91	469.83	469.69	469.58	469.53-	469.73	469.77	469.70	469.64	469.49	8	
	9	470.05	470.02	469.93	469.82	469.68	469.57	469.53-	469.71-	469.77	469.68	469.63	469.54	9	
	10	470.05	470.01	469.91	469.81	469.67	469.59	469.56	469.73	469.77	469.70	469.64	469.52	10	
	11	470.09	470.02	469.91	469.81	469.70	469.58	469.57	469.77	469.76	469.72	469.62	469.51	11	
	12	470.03-	470.02	469.95+	469.79	469.69	469.59	469.60	469.77	469.74	469.74	469.73	469.60	469.51	12
	13	470.07	470.03	469.93	469.81	469.69	469.58	469.59	469.76	469.76	469.72	469.61	469.52	13	
	14	470.08	470.03	469.88	469.82	469.68	469.57	469.59	469.76	469.74	469.72	469.64	469.51	14	
	m ü.M.	15	470.05	470.04+	469.92	469.80	469.66	469.58	469.63	469.74	469.75	469.73	469.64	469.50	15
	16	470.08	470.03	469.93	469.78	469.68	469.57	469.69	469.75	469.76	469.73	469.61	469.59	16	
	17	470.08	469.99	469.87	469.78	469.70	469.59	469.69	469.77	469.77	469.73	469.59	469.47-	17	
	18	470.09	469.95	469.83	469.79	469.71	469.57	469.68	469.77	469.78+	469.75+	469.60	469.47-	18	
	19	470.08	469.97	469.85	469.79	469.68	469.55	469.70	469.75	469.74	469.72	469.60	469.47-	19	
	20	470.09	469.98	469.85	469.78	469.67	469.56	469.67	469.76	469.73	469.69	469.59	469.51	20	
	21	470.07	469.98	469.85	469.78	469.67	469.56	469.70	469.77	469.76	469.71	469.60	469.47-	21	
	22	470.09	469.96	469.84	469.79	469.66	469.56	469.70	469.77	469.75	469.72	469.58	469.47-	22	
	23	470.08	469.92-	469.85	469.76	469.65	469.55	469.71	469.77	469.76	469.73	469.55	469.57	23	
	24	470.08	469.93	469.86	469.74-	469.65	469.54	469.71	469.76	469.75	469.75+	469.54	469.57	24	
	+ Maximum	25	470.11	469.94	469.90	469.76	469.66	469.54	469.74	469.78+	469.73	469.56	469.58	25	
	26	470.12+	469.98	469.88	469.75	469.67	469.56	469.73	469.78+	469.72-	469.67	469.55	469.62	26	
	- Minimum	27	470.08	469.96	469.87	469.75	469.64	469.56	469.72	469.72-	469.68	469.57	469.64	27	
	28	470.06	469.93	469.84	469.76	469.64	469.56	469.73	469.75	469.73	469.65-	469.56	469.68	28	
	29	470.08		469.84	469.76	469.63	469.54	469.75	469.76	469.72-	469.68	469.56	469.68	29	
	30	470.06		469.82	469.75	469.64	469.53-	469.75	469.76	469.72-	469.68	469.53-	469.70+	30	
	31	470.03-		469.81-		469.62-		469.76+	469.76	469.76	469.69		469.69	31	
Monatsmittel		470.08+	469.99	469.89	469.79	469.68	469.58	469.64	469.76	469.75	469.71	469.61	469.55-	m ü.M.	
Spitze Datum		470.13+ 26.	470.05 7.	469.96 12.	469.88 2.	469.76 2.	469.66- 4.	469.76 29.	469.81 26.	469.81 18.	469.77 24.	469.72 3.	469.74 30.	m ü.M.	
Amplitude		0.11-	0.14	0.16	0.15	0.19	0.14	0.26	0.12	0.11-	0.13	0.21	0.29+	m	

Jahr Mittel: 469.75 Spitze: 470.13 (26.01.2011) Minimum: 469.45 (08.12.2011) Amplitude: 0.68



Periode		1998 - 2011 (14 Jahre)												
Monatsmittel		469.95	469.88	469.88	469.88	469.87-	469.91	469.94	469.99	470.02	470.04+	470.00	469.96	m ü.M.
Monats-Spitze Jahr		470.90+ 2003	470.77 2003	470.57- 2003	470.67 2001	470.69 2001	470.71 2001	470.64 2001	470.70 2008	470.61 2001	470.61 2001	470.84 2002	470.88 2002	m ü.M.
Monats-Minimum Jahr		469.44 2005	469.39 2005	469.30 2005	469.28 2005	469.37 1998	469.20 1998	469.17 1998	469.04 1998	469.02- 1998	469.28 1998	469.44 1998	469.45+ 2011	m ü.M.
Monats-Amplitude Jahr		0.33 2003	0.34 1999	0.47 2005	0.33 2001	0.41 1999	0.67 2008	0.31 2000	0.69+ 2008	0.35 1998	0.27- 1998	0.33 1998	0.32 1999	m
Periode		Mittel: 469.95	Spitze: 470.90 (02.01.2003)				Minimum: 469.02 (03.09.1998)				Amplitude: 1.88			



Grundwasserstände



Orpheus Mini

Nr. 0203 Baar - Zimbel

Koordinaten: 680'885 / 228'109

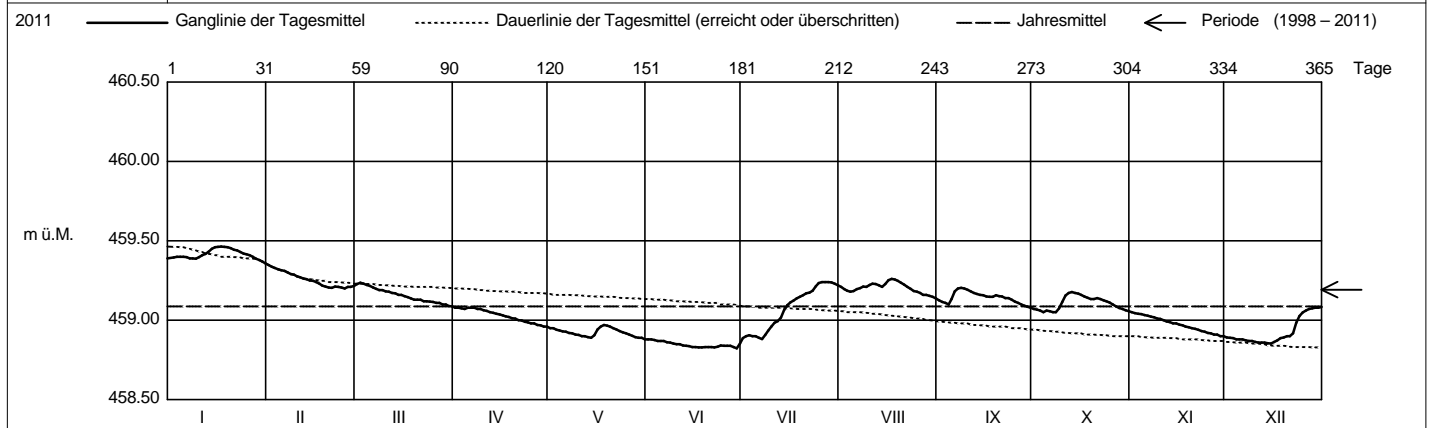
Abstichpunkt: 463.7 m ü.M. OK Terrain: 464.08 m ü.M.

KANTON ZUG

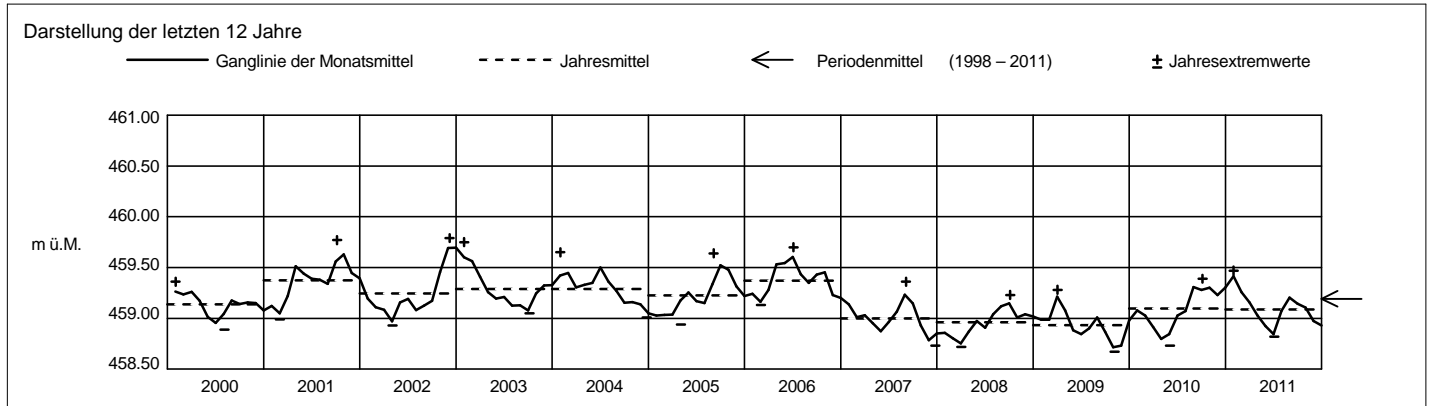
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	459.39	459.35+	459.23	459.08+	458.95	458.88+	458.89	459.21	459.13	459.07	459.05+	458.89	1
	2	459.40	459.34	459.24+	459.08+	458.95	458.88+	458.90	459.20	459.12	459.07	459.04	458.89	2
	3	459.40	459.33	459.23	459.07	458.94	458.88+	458.91	459.19	459.11	459.06	459.04	458.89	3
	4	459.40	459.32	459.22	459.07	458.94	458.87	458.90	459.18	459.10	459.05-	459.04	458.88	4
	5	459.40	459.32	459.22	459.08+	458.93	458.87	458.90	459.18	459.13	459.06	459.03	458.88	5
	6	459.40	459.31	459.21	459.08+	458.93	458.87	458.89	459.20	459.18	459.06	459.03	458.88	6
	7	459.39	459.30	459.20	459.08+	458.92	458.86	458.88-	459.20	459.20+	459.05-	459.02	458.87	7
	8	459.39	459.29	459.19	459.07	458.92	458.86	458.91	459.21	459.20+	459.05-	459.02	458.87	8
	9	459.39	459.29	459.19	459.07	458.91	458.85	458.93	459.21	459.20+	459.08	459.01	458.87	9
	10	459.40	459.28	459.18	459.06	458.91	458.85	458.96	459.22	459.19	459.12	459.01	458.86	10
m ü.M.	11	459.41	459.27	459.18	459.06	458.90	458.85	458.98	459.23	459.18	459.16	459.00	458.86	11
	12	459.42	459.26	459.17	459.05	458.90	458.84	459.00	459.23	459.17	459.17	458.99	458.86	12
	13	459.43	459.26	459.17	459.05	458.89	458.84	459.02	459.22	459.17	459.18+	458.99	458.86	13
	14	459.45	459.25	459.16	459.04	458.89	458.84	459.07	459.21	459.16	459.17	458.98	458.86	14
	15	459.46+	459.25	459.16	459.04	458.91	458.83	459.09	459.23	459.16	459.17	458.98	458.85-	15
	16	459.46+	459.24	459.15	459.03	458.94	458.83	459.11	459.25	459.15	459.16	458.97	458.86	16
	17	459.46+	459.23	459.15	459.02	458.96	458.83	459.12	459.26+	459.15	459.15	458.97	458.87	17
	18	459.46+	459.22	459.14	459.02	458.97+	458.83	459.14	459.26+	459.15	459.14	458.96	458.89	18
	19	459.46+	459.21	459.13	459.01	458.97+	458.83	459.15	459.25	459.16	459.13	458.96	458.89	19
	20	459.45	459.21	459.13	459.01	458.96	458.83	459.16	459.24	459.15	459.13	458.95	458.90	20
+ Maximum	21	459.44	459.20-	459.13	459.00	458.95	458.83	459.17	459.23	459.15	459.14	458.95	458.90	21
	22	459.44	459.21	459.12	459.00	458.94	458.83	459.17	459.21	459.14	459.13	458.94	458.92	22
	23	459.43	459.21	459.12	458.99	458.93	458.83	459.19	459.20	459.14	459.13	458.93	458.99	23
	24	459.42	459.21	459.12	458.99	458.92	458.84	459.21	459.18	459.13	459.12	458.93	459.03	24
	25	459.42	459.20-	459.12	458.98	458.92	458.84	459.23	459.18	459.12	459.11	458.92	459.05	25
	26	459.41	459.21	459.11	458.98	458.91	458.84	459.24+	459.17	459.11	459.10	458.92	459.06	26
	27	459.40	459.21	459.11	458.97	458.90	458.84	459.24+	459.16	459.10	459.09	458.91	459.07	27
	28	459.39	459.22	459.10	458.97	458.89	458.83	459.24+	459.16	459.09	459.08	458.91	459.08+	28
	29	459.38		459.10	458.96-	458.89	458.82-	459.24+	459.15	459.08-	459.07	458.90-	459.08+	29
	30	459.37		459.09-	458.96-	458.89	458.85	459.23	459.15	459.08-	459.06	458.90-	459.08+	30
	31	459.36-		459.09-	458.88-	458.88-		459.22	459.14-	459.06	459.06	459.06	459.08+	31
Monatsumme	459.42+	459.26	459.16	459.03	458.92	458.85-	459.07	459.20	459.14	459.11	458.97	458.93	m ü.M.	
Spitze Datum	459.47+ 16.	459.35 1.	459.24 2.	459.08 1.	458.97 17.	458.88- 1.	459.25 27.	459.26 16.	459.21 8.	459.18 12.	459.05 1.	459.09 31.	m ü.M.	
Amplitude	0.12	0.15	0.16	0.13	0.09	0.06-	0.37+	0.13	0.14	0.13	0.16	0.24	m	

Jahr Mittel: 459.09 Spitze: 459.47 (16.01.2011) Minimum: 458.82 (17.06.2011) Amplitude: 0.65



Periode 1998 - 2011 (14 Jahre)													
Monatsumme	459.22	459.18	459.19	459.17	459.16-	459.17	459.16-	459.21	459.21	459.23+	459.20	459.21	m ü.M.
Monats-Spitze Jahr	459.75 2003	459.85 1999	459.99+ 1999	459.67 1999	459.89 1999	459.80 1999	459.61- 1999	459.64 2005	459.77 2001	459.75 2001	459.79 2002	459.75 2002	m ü.M.
Monats-Minimum Jahr	458.81 2008	458.75 2008	458.72 2008	458.74 2008	458.73 2010	458.75 2009	458.83 2009	458.91+ 1998	458.77 2009	458.67- 2009	458.67- 2009	458.73 2007	m ü.M.
Monats-Amplitude Jahr	0.45 2004	0.32 1999	0.42 2001	0.61+ 2005	0.47 1999	0.29- 2004	0.37 2011	0.55 2005	0.46 2001	0.30 1998	0.34 2002	0.29- 2009	m
Periode	Mittel: 459.19			Spitze: 459.99 (16.03.1999)			Minimum: 458.67 (31.10.2009)			Amplitude: 1.32			



Grundwasserstände



Orpheus Mini

Nr. 0206 Baar - Weidhof / Weststrasse

Koordinaten: 681'605 / 227'651

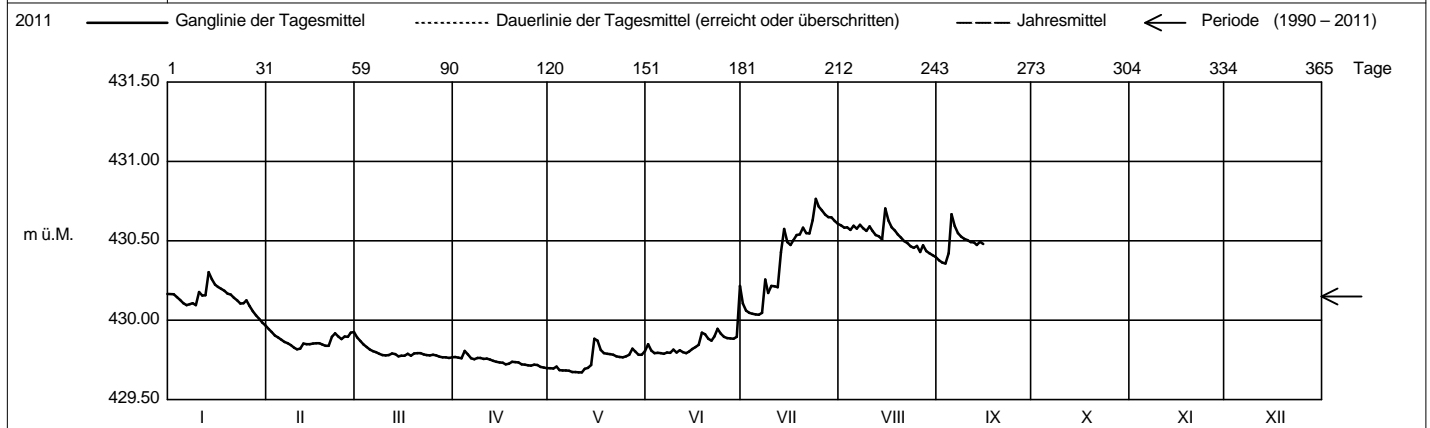
Abstichpunkt: 431.96 m ü.M. OK Terrain: 432.16 m ü.M.

KANTON ZUG

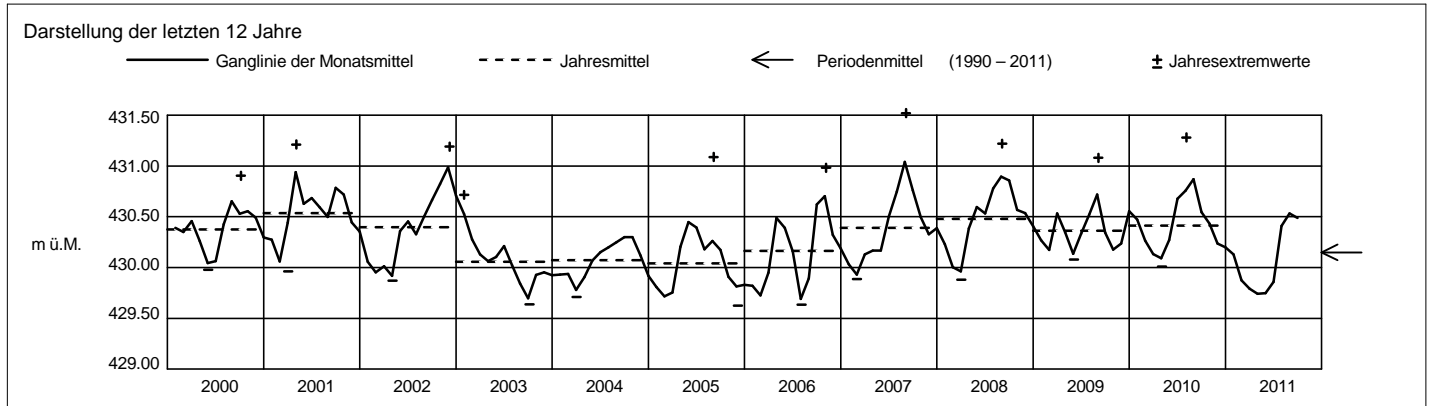
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	430.17	429.94+	429.89+	429.77	429.70	429.85	430.11	430.60	430.38				1	
	2	430.16	429.93	429.87	429.77	429.70	429.81	430.06	430.58	430.36				2	
	3	430.15	429.90	429.85	429.76	429.71	429.79-	430.05	430.59	430.36				3	
	4	430.13	429.89	429.83	429.81+	429.69	429.79-	430.04-	430.57	430.42				4	
	5	430.11	429.88	429.82	429.78	429.68	429.79-	430.04-	430.60	430.67				5	
	6	430.09	429.86	429.81	429.76	429.68	429.79-	430.04-	430.58	430.59				6	
	7	430.10	429.86	429.80	429.75	429.68	429.80	430.05	430.60	430.55				7	
	8	430.11	429.84	429.79	429.76	429.67-	429.80	430.26	430.58	430.53				8	
	9	430.10	429.83	429.78	429.76	429.67-	429.81	430.17	430.56	430.51				9	
	10	430.18	429.82-	429.78	429.76	429.67-	429.80	430.22	430.59	430.51				10	
m ü.M.	11	430.16	429.82-	429.78	429.76	429.67-	429.81	430.21	430.56	430.49				11	
	12	430.16	429.85	429.79	429.75	429.69	429.80	430.21	430.54	430.48				12	
	13	430.30+	429.85	429.79	429.75	429.70	429.79-	430.43	430.53	430.48				13	
	14	430.26	429.85	429.77	429.74	429.72	429.80	430.58	430.51	430.49				14	
	15	430.23	429.85	429.78	429.74	429.88+	429.82	430.49	430.71+	430.48				15	
	16	430.21	429.86	429.78	429.73	429.87	429.83	430.48	430.63					16	
	17	430.20	429.86	429.79	429.72	429.81	429.85	430.51	430.59					17	
	18	430.19	429.85	429.78	429.73	429.79	429.92	430.54	430.57					18	
	19	430.17	429.84	429.79	429.74	429.79	429.91	430.54	430.54					19	
	20	430.16	429.84	429.79	429.74	429.79	429.88	430.58	430.52					20	
	+ Maximum	21	430.14	429.90	429.79	429.73	429.78	429.87	430.55	430.50					21
22		430.13	429.92	429.78	429.72	429.77	429.90	430.55	430.49					22	
23		430.11	429.90	429.78	429.72	429.77	429.95	430.63	430.47					23	
24		430.11	429.88	429.78	429.72	429.77	429.92	430.76+	430.46					24	
25		430.13	429.90	429.78	429.71	429.77	429.90	430.72	430.47					25	
- Minimum		26	430.09	429.90	429.78	429.72	429.78	429.89	430.69	430.43					26
		27	430.06	429.92	429.77	429.72	429.82	429.89	430.67	430.47					27
		28	430.03	429.93	429.77	429.71	429.80	429.88	430.65	430.44					28
		29	430.01		429.77	429.70-	429.78	429.90	430.65	430.42					29
		30	429.99		429.76-	429.70-	429.78	430.22+	430.63	430.41					30
		31	429.97-		429.77	429.70-	429.80		430.61	430.40-					31
Monatsumme	430.13	429.87	429.79	429.74-	429.75	429.86	430.41	430.53					m ü.M.		
Spitze Datum	430.34 13.	429.96 1.	429.90 1.	429.85- 4.	429.93 15.	430.29 30.	430.81 24.	430.79 15.					m ü.M.		
Amplitude	0.39	0.17	0.14	0.16	0.27	0.51	0.79+	0.41					m		

Jahr Mittel: 430.04 Spitze: 430.81 (24.07.2011) Minimum: 429.66 (10.05.2011) Amplitude: 1.15



Periode	1990 - 2011 (22 Jahre)												
Monatsumme	430.04	429.90-	429.94	430.02	430.10	430.25	430.33+	430.33+	430.31	430.24	430.19	430.14	m ü.M.
Monats-Spitze Jahr	430.72 2003	430.59- 1995	430.89 2001	431.21 2001	431.31 1999	431.14 1999	431.28 2010	431.52+ 2007	431.22 2008	430.98 2006	431.19 2002	430.89 2002	m ü.M.
Monats-Minimum Jahr	429.28 1990	429.20 1990	429.16- 1996	429.21 1996	429.33 1996	429.52 1997	429.63 2006	429.64+ 2006	429.64+ 2003	429.51 1991	429.49 1997	429.34 1995	m ü.M.
Monats-Amplitude Jahr	0.61 1996	0.85 1999	0.93 2001	0.89 2008	1.01 1994	0.90 2006	0.89 1993	1.25+ 2005	0.76 2010	0.54- 2005	0.67 1992	0.84 1995	m
Periode	Mittel: 430.15	Spitze: 431.52 (09.08.2007)					Minimum: 429.16 (12.03.1996)			Amplitude: 2.36			



Grundwasserstände



Orpheus Mini

Nr. 0212 Baar - Grund

Koordinaten: 682'757 / 227'169

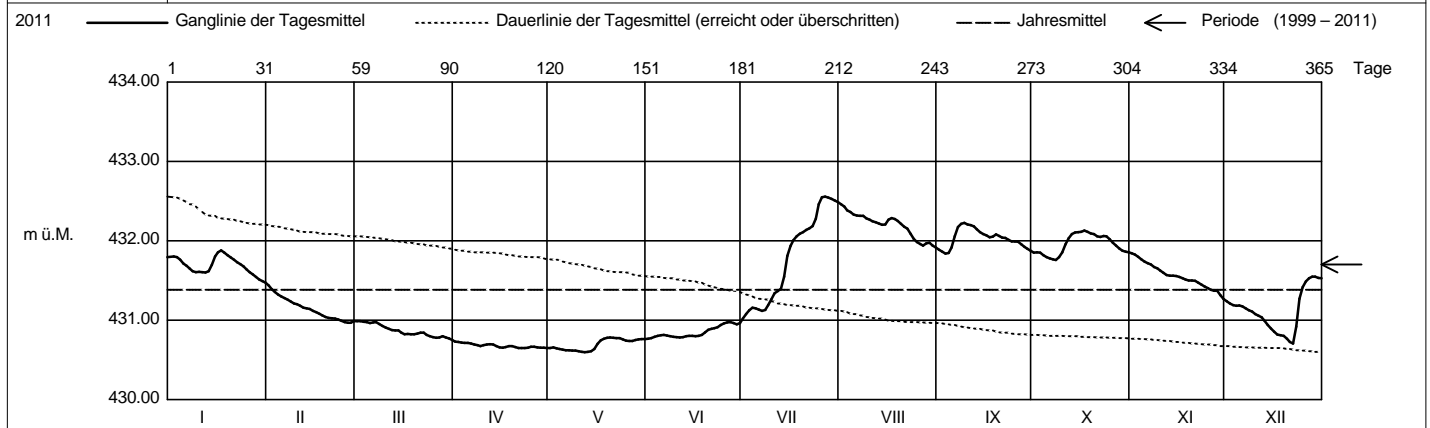
Abstichpunkt: 442.88 m ü.M. OK Terrain: 443.00 m ü.M.

KANTON ZUG

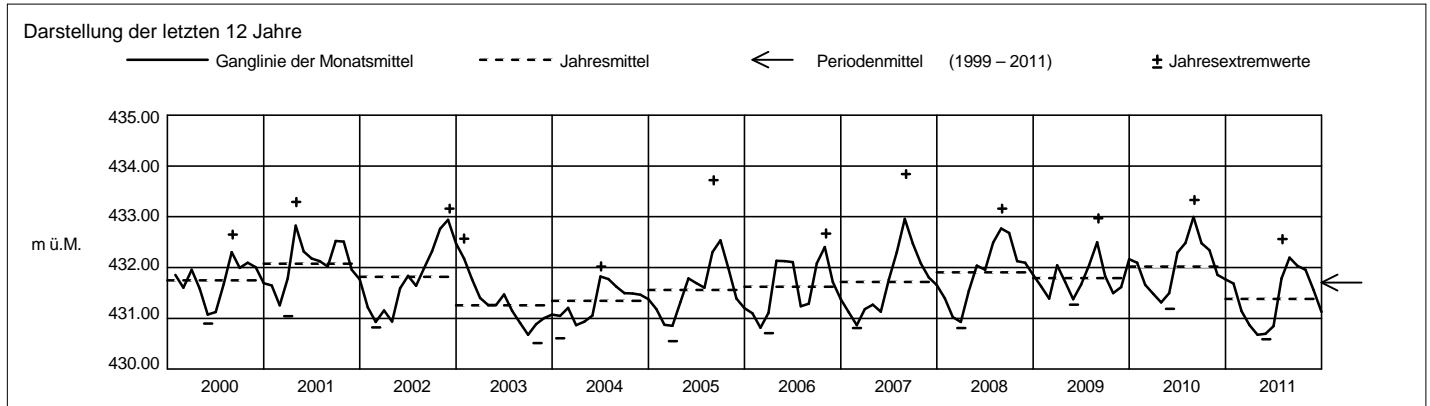
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	431.80	431.44+	430.99+	430.73+	430.65	430.77-	431.02-	432.46+	431.89	431.85	431.84+	431.24	1	
	2	431.80	431.39	430.99+	430.73+	430.66	430.78	431.08	432.43	431.87	431.86	431.83	431.21	2	
	3	431.79	431.36	430.98	430.72	430.64	430.79	431.13	432.39	431.84-	431.85	431.80	431.19	3	
	4	431.76	431.32	430.98	430.72	430.64	430.80	431.16	432.36	431.85	431.82	431.77	431.18	4	
	5	431.72	431.30	430.97	430.71	430.63	430.81	431.15	432.33	431.92	431.79	431.74	431.19	5	
	6	431.69	431.28	430.97	430.71	430.62	430.81	431.14	432.32	432.06	431.78	431.72	431.17	6	
	7	431.65	431.26	430.98	430.70	430.62	430.81	431.12	432.32	432.18	431.77	431.70	431.15	7	
	8	431.62	431.23	430.95	430.68	430.62	430.80	431.13	432.31	432.22	431.76-	431.67	431.13	8	
	9	431.61	431.21	430.93	430.68	430.62	430.79	431.19	432.28	432.23+	431.79	431.65	431.11	9	
	10	431.61	431.20	430.91	430.69	430.61	430.79	431.26	432.27	432.21	431.86	431.63	431.08	10	
	m ü.M.	11	431.61	431.18	430.89	430.69	430.60-	430.78	431.34	432.25	432.20	431.96	431.60	431.06	11
		12	431.60	431.16	430.88	430.70	430.60-	430.79	431.37	432.24	432.18	432.03	431.57	431.04	12
		13	431.62	431.15	430.87	430.69	430.60-	430.80	431.40	432.22	432.15	432.09	431.56	430.99	13
		14	431.70	431.14	430.87	430.67	430.61	430.81	431.55	432.20	432.11	432.11	431.56	430.94	14
		15	431.81	431.12	430.85	430.66	430.64	430.80	431.81	432.21	432.09	432.11	431.56	430.90	15
		16	431.86	431.10	430.83	430.66	430.70	430.80	431.94	432.27	432.07	432.12	431.54	430.85	16
		17	431.88+	431.08	430.83	430.66	430.75	430.81	432.01	432.29	432.05	432.13+	431.53	430.82	17
		18	431.85	431.06	430.82	430.67	430.77	430.82	432.06	432.28	432.06	432.11	431.51	430.81	18
		19	431.82	431.04	430.82	430.67	430.78+	430.85	432.09	432.25	432.08	432.09	431.50	430.80	19
		20	431.79	431.03	430.83	430.66	430.78+	430.88	432.11	432.22	432.06	432.09	431.50	430.77	20
		+ Maximum	21	431.76	431.03	430.84	430.65-	430.78+	430.89	432.14	432.18	432.04	432.06	431.50	430.73
22	431.73		431.02	430.84	430.65-	430.78+	430.90	432.16	432.15	432.04	432.05	431.47	430.71-	22	
23	431.71		431.01	430.82	430.65-	430.77	430.91	432.19	432.09	432.01	432.06	431.45	430.92	23	
24	431.68		430.99	430.80	430.65-	430.76	430.94	432.28	432.03	432.00	432.06	431.43	431.27	24	
25	431.64		430.98	430.79	430.67	430.74	430.96	432.46	431.98	431.99	432.02	431.40	431.42	25	
- Minimum	26		431.61	430.97-	430.78	430.66	430.74	430.97	432.55	431.96	431.99	431.98	431.38	431.49	26
	27		431.58	430.97-	430.78	430.66	430.74	430.98+	432.56+	431.94	431.96	431.94	431.37	431.53	27
	28		431.54	430.99	430.80	430.65-	430.75	430.96	432.55	431.97	431.93	431.91	431.37	431.55+	28
	29		431.52		430.78	430.65-	430.76	430.95	432.53	431.98	431.90	431.87	431.31	431.55+	29
	30		431.49		430.77	430.65-	430.76	430.97	432.51	431.94	431.88	431.86	431.27-	431.54	30
	31		431.47-		430.75-	430.65-	430.76	430.97	432.49	431.92-	431.92-	431.86	431.27-	431.53	31
Monatsumme	431.69	431.14	430.87	430.68-	430.69	430.85	431.79	432.19+	432.03	431.96	431.56	431.12	m ü.M.		
Spitze Datum	431.89 17.	431.46 1.	431.00 1.	430.74- 1.	430.79 19.	431.01 30.	432.56+ 26.	432.47 1.	432.24 8.	432.14 17.	431.86 1.	431.56 29.	m ü.M.		
Amplitude	0.43	0.50	0.26	0.10-	0.20	0.25	1.56+	0.56	0.41	0.40	0.61	0.87	m		

Jahr Mittel: 431.38 Spitze: 432.56 (26.07.2011) Minimum: 430.59 (12.05.2011) Amplitude: 1.97



Periode		1999 - 2011 (13 Jahre)												
Monatsumme		431.51	431.21-	431.30	431.46	431.56	431.82	431.88	432.11+	432.06	431.99	431.76	431.63	m ü.M.
Monats-Spitze Jahr		432.57 2003	432.14- 2003	432.58 2001	433.29 2001	433.41 1999	433.09 1999	433.30 2010	433.84+ 2007	433.10 2001	432.97 2001	433.16 2002	432.97 2002	m ü.M.
Monats-Minimum Jahr		430.61 2004	430.58 2005	430.55 2005	430.64 2011	430.59 2011	430.76 2011	430.99+ 2006	430.76 2003	430.54 2003	430.51- 2003	430.87 2003	430.69 2011	m ü.M.
Monats-Amplitude Jahr		1.04 2004	0.85 2005	1.54 2001	1.43 2008	1.27 2001	1.17 2010	1.56 2011	2.19+ 2005	1.20 2001	0.78 2010	0.72- 2002	0.94 2004	m
Periode		Mittel: 431.70		Spitze: 433.84 (10.08.2007)				Minimum: 430.51 (04.10.2003)				Amplitude: 3.33		



Grundwasserstände



Orpheus Mini

Nr. 1160 Zug - Arbach

Koordinaten: 682'714 / 225'379

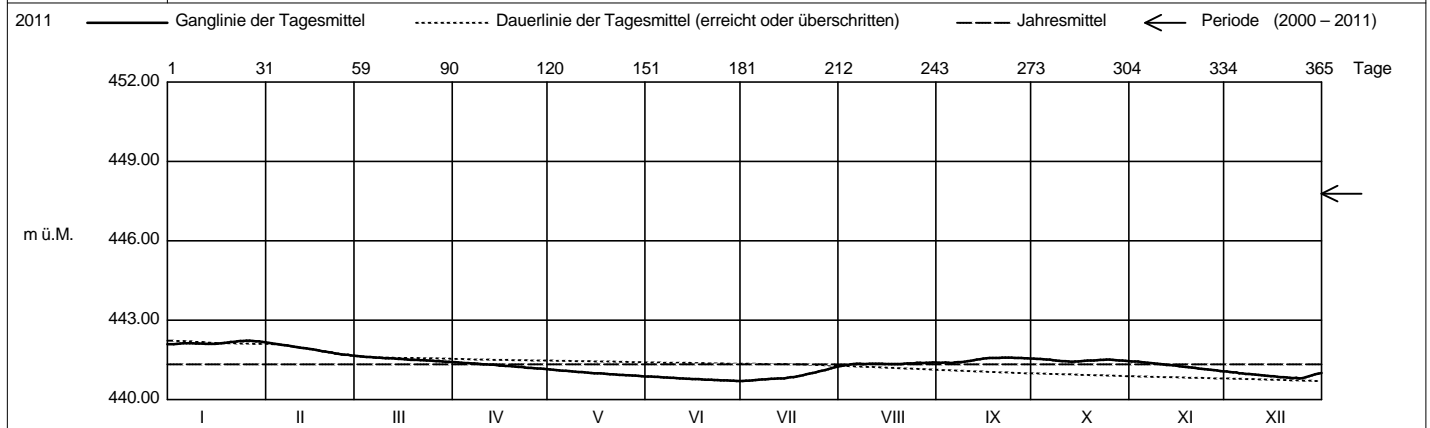
Abstichpunkt: 455.16 m ü.M. OK Terrain: 455.31 m ü.M.

KANTON ZUG

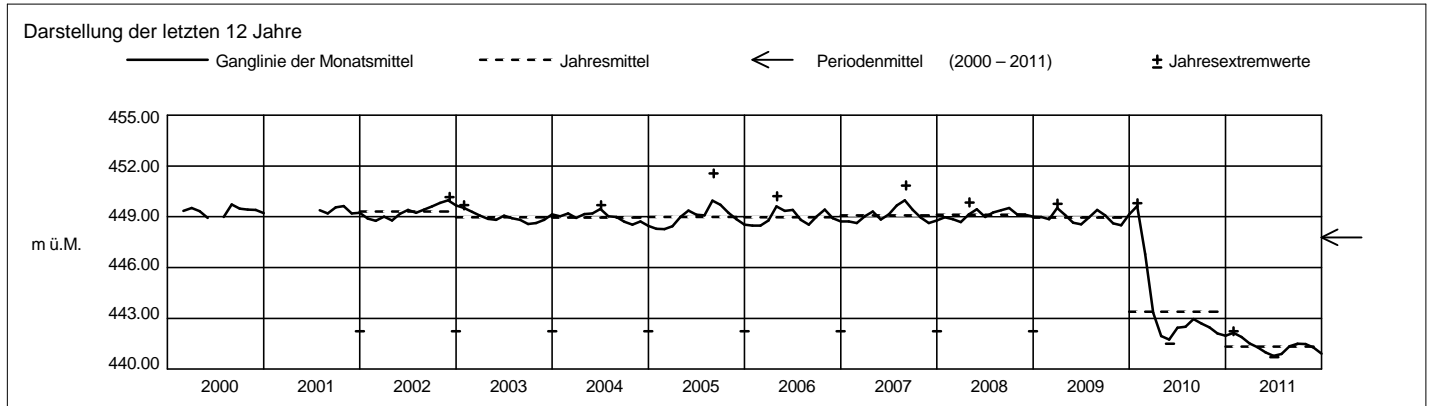
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	442.09-	442.14+	441.64+	441.41+	441.14+	440.87+	440.71-	441.28-	441.40	441.55+	441.45+	441.06+	1
	2	442.10	442.13	441.64+	441.41+	441.13	440.87+	440.71-	441.30	441.40	441.54	441.44	441.05	2
	3	442.11	442.11	441.62	441.40	441.11	440.86	440.72	441.31	441.40	441.54	441.44	441.03	3
	4	442.12	442.09	441.61	441.38	441.10	440.86	440.73	441.33	441.40	441.52	441.42	441.03	4
	5	442.13	442.07	441.61	441.38	441.10	440.85	440.74	441.34	441.39-	441.51	441.41	441.00	5
	6	442.13	442.06	441.59	441.37	441.09	440.84	440.75	441.36	441.41	441.51	441.39	440.99	6
	7	442.13	442.04	441.59	441.36	441.08	440.84	440.76	441.35	441.41	441.49	441.38	440.98	7
	8	442.13	442.02	441.58	441.35	441.07	440.82	440.72	441.35	441.42	441.48	441.37	440.96	8
	9	442.12	442.00	441.58	441.35	441.06	440.82	440.77	441.35	441.43	441.46	441.36	440.96	9
	10	442.12	441.99	441.57	441.34	441.05	440.82	440.78	441.36	441.45	441.46	441.35	440.94	10
m ü.M.	11	442.12	441.97	441.56	441.33	441.04	440.81	440.79	441.36	441.47	441.45	441.33	440.93	11
	12	442.10	441.95	441.56	441.32	441.03	440.80	440.80	441.36	441.49	441.44	441.25	440.92	12
	13	442.11	441.94	441.55	441.31	441.02	440.79	440.80	441.36	441.51	441.43-	441.30	440.91	13
	14	442.11	441.91	441.53	441.30	441.01	440.79	440.81	441.35	441.53	441.44	441.30	440.90	14
	15	442.10	441.90	441.54	441.29	441.00	440.78	440.82	441.34	441.55	441.45	441.28	440.89	15
	16	442.12	441.88	441.53	441.28	440.99	440.78	440.84	441.34	441.56	441.45	441.26	440.89	16
	17	442.13	441.85	441.51	441.27	440.99	440.77	440.85	441.35	441.58	441.46	441.25	440.86	17
	18	442.15	441.83	441.51	441.27	440.98	440.76	440.88	441.34	441.58	441.48	441.24	440.85	18
	19	442.16	441.81	441.50	441.26	440.97	440.75	440.90	441.34	441.57	441.48	441.23	440.84	19
	20	442.18	441.79	441.50	441.24	440.96	440.75	440.92	441.35	441.57	441.48	441.21	440.84	20
+ Maximum	21	442.19	441.78	441.49	441.24	440.95	440.75	440.96	441.36	441.58	441.49	441.20	440.82	21
	22	442.20	441.75	441.48	441.23	440.94	440.74	440.98	441.36	441.58	441.50	441.18	440.81	22
	23	442.21	441.73	441.48	441.22	440.94	440.74	441.01	441.37	441.59+	441.51	441.16	440.82	23
	24	442.22	441.71	441.47	441.20	440.93	440.73	441.04	441.37	441.58	441.52	441.15	440.80-	24
	25	442.23+	441.70	441.47	441.20	440.93	440.72	441.07	441.39	441.58	441.51	441.14	440.82	25
	26	442.23+	441.69	441.46	441.19	440.92	440.72	441.09	441.39	441.57	441.50	441.13	440.85	26
	27	442.21	441.67	441.45	441.18	440.91	440.72	441.12	441.38	441.57	441.50	441.11	440.88	27
	28	442.20	441.66-	441.44	441.17	440.90	440.72	441.15	441.39	441.57	441.48	441.10	440.92	28
	29	442.20		441.44	441.16	440.90	440.71-	441.19	441.40+	441.56	441.47	441.08	440.95	29
	30	442.18		441.42-	441.15-	440.89	440.71-	441.22	441.40+	441.56	441.47	441.07-	440.98	30
31	442.16		441.42-		440.88-		441.25+	441.40+		441.46		441.01	31	
Monatsumme		442.15+	441.90	441.53	441.28	441.00	440.78-	440.90	441.36	441.51	441.48	441.27	440.92	m ü.M.
Spitze Datum		442.24+ 25.	442.15 1.	441.65 1.	441.42 1.	441.14 1.	440.88- 1.	441.26 31.	441.41 26.	441.59 17.	441.55 1.	441.45 1.	441.07 1.	m ü.M.
Amplitude		0.15	0.50	0.24	0.28	0.28	0.18	0.56+	0.15	0.21	0.12-	0.39	0.28	m

Jahr Mittel: 441.34 Spitze: 442.24 (25.01.2011) Minimum: 440.70 (29.06.2011) Amplitude: 1.54



Periode 2000 - 2011 (12 Jahre)													
Monatsumme	448.27+	447.92	447.64	447.63	447.56-	447.64	447.76	448.00	447.95	447.82	447.65	447.60	m ü.M.
Monats-Spitze Jahr	449.80 2010	449.46- 2010	449.77 2009	450.21 2006	449.82 2008	449.68 2004	449.89 2007	451.56+ 2005	450.57 2002	450.08 2002	450.17 2002	449.88 2002	m ü.M.
Monats-Minimum Jahr	442.09+ 2011	441.65 2011	441.41 2011	441.14 2011	440.86 2011	440.70- 2011	440.70- 2011	441.26 2011	441.38 2011	441.43 2011	441.06 2011	440.79 2011	m ü.M.
Monats-Amplitude Jahr	0.68 2004	5.05+ 2010	1.94 2011	1.12 2006	0.75 2008	0.81 2010	0.63 2008	2.38 2005	1.27 2005	0.64 2001	0.55- 2002	0.77 2009	m
Periode	Mittel: 447.79		Spitze: 451.56 (25.08.2005)			Minimum: 440.70 (29.06.2011)			Amplitude: 10.86				



Grundwasserstände



Orpheus Mini

Nr. 1164 Zug - Industriestrasse / Göblistrasse

Koordinaten: 682'004 / 225'936

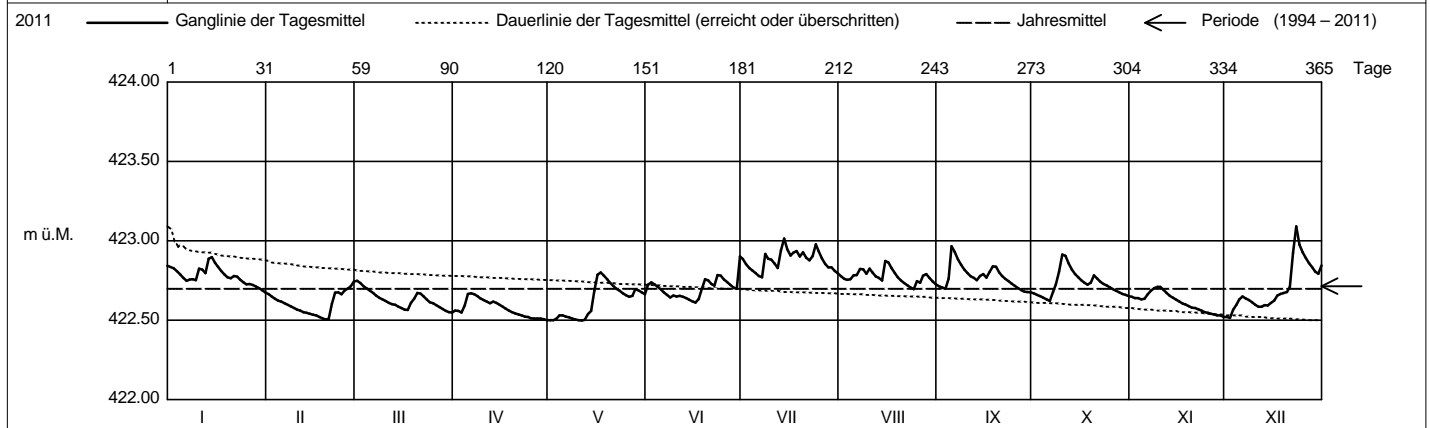
Abstichpunkt: 426.16 m ü.M. OK Terrain: 424.98 m ü.M.

KANTON ZUG

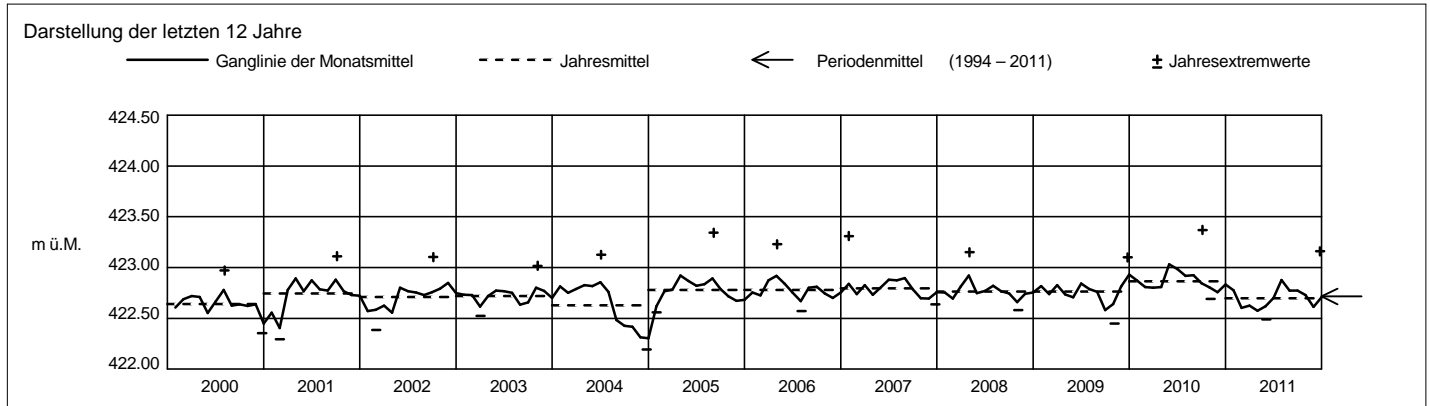
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	422.84	422.66	422.75+	422.56	422.50-	422.73	422.89	422.78	422.71	422.67	422.65	422.52	1	
	2	422.83	422.65	422.74	422.56	422.50-	422.74	422.85	422.76	422.71	422.66	422.64	422.51-	2	
	3	422.81	422.64	422.72	422.55	422.51	422.73	422.83	422.76	422.70	422.65	422.64	422.57	3	
	4	422.79	422.62	422.70	422.59	422.53	422.71	422.81	422.76	422.76	422.76	422.64	422.63	422.60	4
	5	422.77	422.62	422.69	422.67+	422.53	422.69	422.80	422.78	422.82	422.97+	422.63	422.64	422.63	5
	6	422.75	422.61	422.67	422.67+	422.52	422.68	422.78	422.79	422.79	422.93	422.62-	422.66	422.65	6
	7	422.76	422.60	422.66	422.66	422.52	422.66	422.77-	422.82	422.82	422.88	422.68	422.69	422.64	7
	8	422.76	422.59	422.64	422.65	422.51	422.64	422.92	422.82	422.85	422.73	422.70	422.70	422.63	8
	9	422.75	422.58	422.63	422.64	422.51	422.66	422.89	422.79	422.82	422.82	422.81	422.71+	422.61	9
	10	422.82	422.57	422.62	422.63	422.50-	422.65	422.88	422.79	422.80	422.80	422.71+	422.60	422.60	10
	11	422.82	422.56	422.61	422.62	422.50-	422.65	422.86	422.80	422.78	422.91+	422.69	422.58	422.58	11
	12	422.80	422.55	422.60	422.61	422.50-	422.65	422.85	422.77	422.77	422.86	422.67	422.59	422.59	12
	13	422.89	422.55	422.60	422.62	422.54	422.64	422.94	422.77	422.75	422.82	422.65	422.60	422.60	13
	m ü.M.	14	422.90+	422.54	422.59	422.61	422.56	422.63	423.02+	422.75	422.78	422.79	422.64	422.59	14
		15	422.86	422.53	422.58	422.60	422.69	422.62	422.95	422.87+	422.79	422.77	422.63	422.61	15
		16	422.84	422.53	422.57	422.59	422.79	422.61-	422.91	422.86	422.77	422.75	422.62	422.62	16
		17	422.81	422.52	422.57	422.57	422.80+	422.63	422.93	422.83	422.80	422.74	422.61	422.66	17
		18	422.79	422.51-	422.61	422.56	422.78	422.70	422.94	422.80	422.84	422.72	422.60	422.67	18
		19	422.77	422.51-	422.64	422.55	422.76	422.76	422.90	422.77	422.84	422.74	422.59	422.67	19
		20	422.77	422.51-	422.67	422.54	422.74	422.75	422.93	422.75	422.80	422.78	422.58	422.68	20
		21	422.78	422.60	422.67	422.54	422.72	422.73	422.89	422.73	422.78	422.76	422.58	422.71	21
		22	422.78	422.67	422.65	422.53	422.70	422.72	422.88	422.72	422.76	422.74	422.57	422.93	22
		23	422.76	422.68	422.63	422.52	422.69	422.78	422.90	422.71	422.75	422.73	422.56	423.09+	23
	24	422.74	422.66	422.61	422.52	422.67	422.78	422.98	422.70-	422.73	422.72	422.55	422.98	24	
	+ Maximum	25	422.73	422.69	422.61	422.51	422.66	422.76	422.93	422.75	422.72	422.71	422.55	422.93	25
		26	422.73	422.70	422.59	422.51	422.65	422.74	422.89	422.74	422.70	422.70	422.54	422.89	26
	- Minimum	27	422.72	422.71	422.58	422.51	422.65	422.72	422.86	422.78	422.69	422.69	422.54	422.86	27
		28	422.71	422.74+	422.57	422.51	422.70	422.71	422.83	422.79	422.68-	422.68	422.53	422.83	28
		29	422.70		422.56	422.51	422.69	422.70	422.83	422.77	422.68-	422.67	422.53	422.81	29
		30	422.69		422.55-	422.50-	422.68	422.90+	422.81	422.74	422.68-	422.66	422.52-	422.79	30
		31	422.67-		422.55-		422.66		422.79	422.73		422.65		422.85	31
Monatsumme			422.78	422.60	422.63	422.57-	422.62	422.70	422.88+	422.77	422.77	422.73	422.61	422.71	m ü.M.
Spitze Datum		13.	28.	1.	5.	17.	30.	14.	15.	5.	10.	9.	23.	m ü.M.	
Amplitude		0.25	0.25	0.21	0.17-	0.32	0.31	0.30	0.20	0.33	0.34	0.20	0.65+	m	

Jahr Mittel: 422.70 Spitze: 423.16 (23.12.2011) Minimum: 422.49 (11.05.2011) Amplitude: 0.67



Periode 1994 - 2011 (18 Jahre)													
Monatsumme	422.70	422.68	422.72	422.75	422.76	422.78+	422.76	422.72	422.70	422.67	422.66-	422.68	m ü.M.
Monats-Spitze Jahr	423.31 2007	422.99- 1999	423.02 2006	423.23 2006	423.33 2010	423.24 2010	423.17 2010	423.34 2005	423.37+ 2010	423.13 1996	422.99- 2003	423.26 1997	m ü.M.
Monats-Minimum Jahr	422.34 2001	422.30 2001	422.41 2001	422.40 2002	422.44 2000	422.47+ 1998	422.39 1999	422.32 1999	422.27 2004	422.28 2004	422.23 2004	422.19- 2004	m ü.M.
Monats-Amplitude Jahr	0.63 2007	0.40- 1996	0.52 2001	0.43 2006	0.57 1994	0.49 1995	0.42 2008	0.59 2005	0.64 2010	0.52 1999	0.42 1999	0.85+ 1997	m
Periode	Mittel: 422.72		Spitze: 423.37 (25.09.2010)				Minimum: 422.19 (12.12.2004)				Amplitude: 1.18		



Grundwasserstände



Orpheus Mini

Nr. 1171 Baar - Wiesental

Koordinaten: 681'801 / 228'065

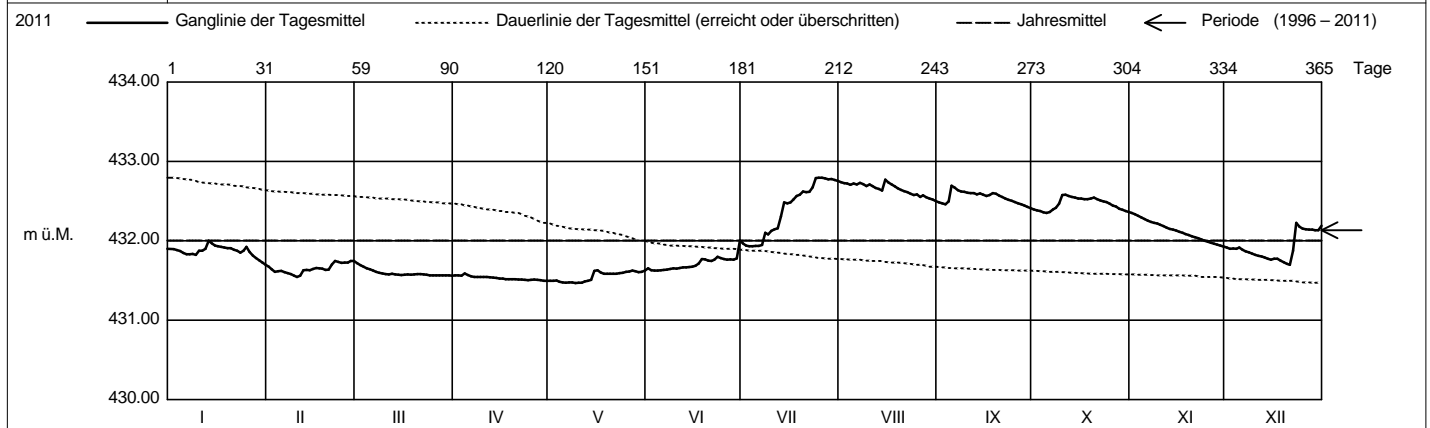
Abstichpunkt: 436.235 m ü.M. OK Terrain: 435.42 m ü.M.

KANTON ZUG

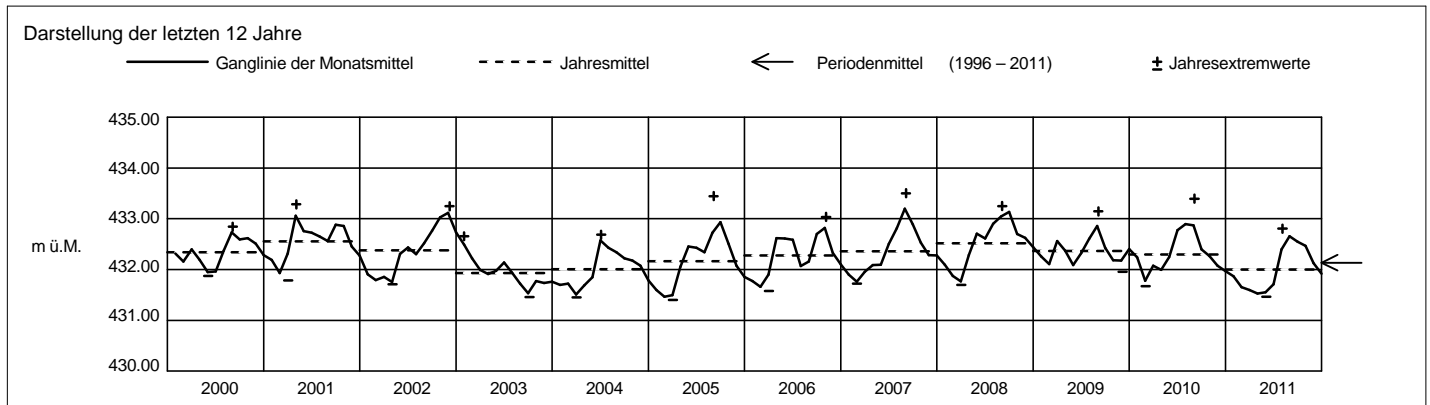
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember				
Tagesmittel	1	431.90	431.67	431.72+	431.57	431.50	431.65	431.97	432.74	432.48	432.40	432.35+	431.92	1			
	2	431.90	431.64	431.70	431.57	431.50	431.63-	431.94	432.73	432.47	432.38	432.34	431.90	2			
	3	431.88	431.61	431.67	431.56	431.50	431.63-	431.93-	432.72	432.46	432.37	432.32	431.90	3			
	4	431.87	431.62	431.66	431.59+	431.49	431.63-	431.93-	432.71	432.50	432.36	432.30	431.90	4			
	5	431.85	431.62	431.64	431.57	431.48	431.63-	431.94	432.72	432.71	432.50+	432.35-	432.27	431.92	5		
	6	431.83	431.61	431.62	431.55	431.47-	431.64	431.94	432.71	432.67	432.37	432.25	431.89	431.89	6		
	7	431.83	431.59	431.61	431.55	431.48	431.64	431.95	432.73	432.64	432.40	432.24	431.87	431.87	7		
	8	431.84	431.58	431.60	431.55	431.48	431.64	432.10	432.71	432.62	432.42	432.23	431.86	431.86	8		
	9	431.82	431.56	431.59	431.55	431.47-	431.66	432.08	432.69	432.62	432.47	432.22	431.84	431.84	9		
	10	431.88	431.54-	431.58	431.54	431.47-	431.65	432.13	432.71	432.61	432.58+	432.20	431.82	431.82	10		
	m ü.M.	11	431.88	431.56	431.58	431.54	431.47-	431.66	432.15	432.69	432.60	432.58+	432.19	431.81	431.81	11	
		12	431.90	431.63	431.58	431.54	431.49	431.67	432.16	432.67	432.60	432.56	432.17	431.80	431.80	12	
		13	432.00+	431.63	431.58	431.54	431.50	431.67	432.31	432.65	432.58	432.55	432.15	431.79	431.79	13	
		14	431.97	431.63	431.57	431.53	431.51	431.67	432.49	432.64	432.60	432.55	432.14	431.77	431.77	14	
		15	431.94	431.65	431.57	431.53	431.62	431.68	432.48	432.77+	432.58	432.54	432.13	431.76	431.76	15	
		16	431.93	431.66	431.57	431.52	431.63+	431.69	432.49	432.74	432.57	432.53	432.12	431.77	431.77	16	
		17	431.92	431.66	431.58	431.52	431.60	431.71	432.52	432.71	432.58	432.53	432.10	431.78	431.78	17	
		18	431.92	431.65	431.57	431.52	431.59	431.77	432.57	432.69	432.60	432.53	432.09	431.75	431.75	18	
		19	431.91	431.64	431.58	431.52	431.59	431.77	432.58	432.66	432.59	432.53	432.07	431.73	431.73	19	
		20	431.91	431.64	431.58	431.52	431.58	431.75	432.62	432.64	432.57	432.55	432.06	431.71	431.71	20	
		+ Maximum	21	431.89	431.70	431.58	431.52	431.59	431.75	432.62	432.63	432.55	432.53	432.05	431.70-	431.70-	21
	22		431.88	431.75+	431.58	431.51	431.59	431.76	432.62	432.61	432.53	432.51	432.03	431.88	431.88	22	
	23		431.85	431.73	431.57	431.51	431.59	431.80	432.68	432.59	432.52	432.50	432.02	432.23+	432.23+	23	
	24		431.88	431.72	431.57	431.51	431.60	431.78	432.79	432.58	432.50	432.49	432.00	432.16	432.16	24	
	25		431.93	431.73	431.57	431.51	431.61	431.77	432.80+	432.59	432.49	432.47	431.99	432.16	432.16	25	
	- Minimum		26	431.86	431.73	431.57	431.51	431.61	431.77	432.80+	432.56	432.48	432.45	431.98	432.15	432.15	26
			27	431.82	431.75+	431.57	431.51	431.63+	431.77	432.79	432.58	432.46	432.43	431.97	432.14	432.14	27
			28	431.78	431.75+	431.57	431.51	431.62	431.77	432.78	432.55	432.45	432.41	431.95	432.14	432.14	28
			29	431.76		431.57	431.50-	431.61	431.78	432.78	432.53	432.43	432.39	431.94	432.14	432.14	29
			30	431.73		431.57	431.50-	431.61	431.78	432.77	432.52	432.41-	432.38	431.93-	432.13	432.13	30
			31	431.70-		431.56-	431.50-	431.63+	432.01+	432.75	432.50-		432.36		432.19	432.19	31
Monatsumme	431.87	431.65	431.59	431.53-	431.55	431.71	432.40	432.65+	432.55	432.47	432.13	431.92	m ü.M.				
Spitze Datum	432.05 13.	431.77 28.	431.74 1.	431.62- 4.	431.68 31.	432.04 30.	432.81+ 24.	432.80 15.	432.75 5.	432.63 10.	432.36 1.	432.35 31.	m ü.M.				
Amplitude	0.36	0.24	0.18	0.12-	0.21	0.41	0.88+	0.30	0.34	0.28	0.43	0.65	m				

Jahr Mittel: 432.00 Spitze: 432.81 (24.07.2011) Minimum: 431.47 (06.05.2011) Amplitude: 1.34



Periode		1996 - 2011 (16 Jahre)												
Monatsumme		431.89	431.68-	431.80	431.93	432.07	432.26	432.36	432.46+	432.45	432.38	432.23	432.07	m ü.M.
Monats-Spitze Jahr		432.66 2003	432.44- 2000	432.82 2001	433.28 2001	433.73+ 1999	433.24 1999	433.37 2010	433.50 2007	433.23 2002	433.17 2002	433.25 2005	433.00 2000	m ü.M.
Monats-Minimum Jahr		430.74 1996	430.44 1996	430.36- 1996	430.69 1996	430.88 1996	431.23 1998	431.40 1998	431.37 1998	431.43 1998	431.46+ 2003	431.14 1997	431.08 1997	m ü.M.
Monats-Amplitude Jahr		0.58 1996	0.98 1999	1.04 2001	1.14 2008	1.58+ 1999	0.84 2004	0.88 2011	1.24 2005	0.74 2001	0.58 2005	0.48- 1998	0.65 2011	m
Periode		Mittel: 432.14		Spitze: 433.73 (17.05.1999)			Minimum: 430.36 (08.03.1996)			Amplitude: 3.37				



Grundwasserstände



Orpheus Mini

Nr. 1240 Baar - Neuhof

Koordinaten: 681'340 / 226'572

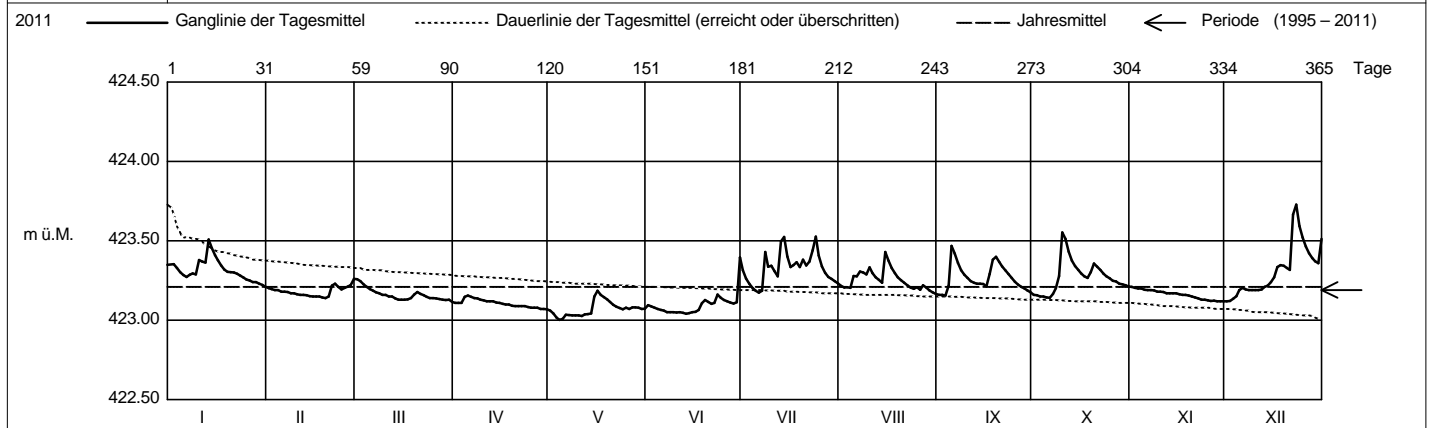
Abstichpunkt: 426.10 m ü.M. OK Terrain: 424.75 m ü.M.

KANTON ZUG

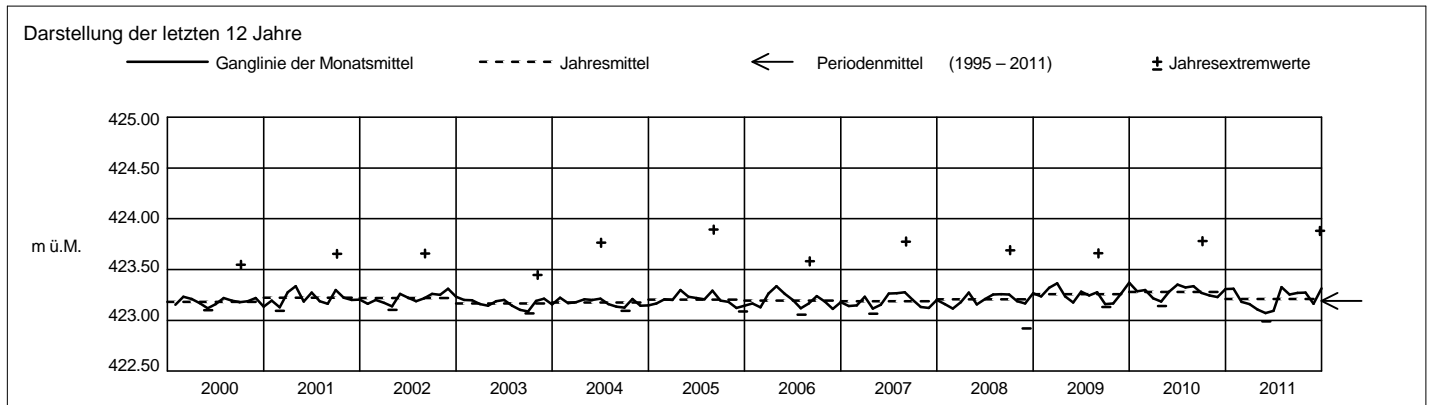
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	423.35	423.20	423.26+	423.11	423.06	423.10	423.31	423.22	423.16-	423.16	423.21+	423.12-	1	
	2	423.35	423.20	423.25	423.11	423.04	423.09	423.26	423.21	423.16-	423.16	423.21+	423.12-	2	
	3	423.33	423.19	423.23	423.11	423.02	423.08	423.23	423.21	423.16-	423.15	423.20	423.14	3	
	4	423.30	423.19	423.21	423.15	423.00-	423.07	423.20	423.21	423.22	423.15	423.20	423.15	4	
	5	423.29	423.18	423.20	423.16+	423.01	423.07	423.19	423.28	423.47+	423.14-	423.19	423.19	5	
	6	423.27	423.18	423.19	423.15	423.04	423.06	423.17-	423.28	423.42	423.14-	423.19	423.20	6	
	7	423.29	423.18	423.18	423.14	423.03	423.05	423.19	423.31	423.36	423.17	423.19	423.19	7	
	8	423.30	423.17	423.17	423.14	423.03	423.05	423.43	423.30	423.32	423.20	423.19	423.19	8	
	9	423.29	423.17	423.16	423.13	423.03	423.05	423.34	423.29	423.29	423.28	423.18	423.19	9	
	10	423.38	423.16	423.16	423.13	423.03	423.05	423.34	423.33	423.27	423.55+	423.18	423.19	10	
	m ü.M.	11	423.37	423.16	423.15	423.12	423.03	423.05	423.31	423.30	423.25	423.51	423.18	423.19	11
		12	423.36	423.16	423.15	423.12	423.04	423.05	423.28	423.27	423.24	423.43	423.17	423.19	12
		13	423.51+	423.16	423.14	423.12	423.04	423.04-	423.50	423.25	423.23	423.38	423.17	423.21	13
		14	423.45	423.15	423.13	423.11	423.04	423.05	423.52	423.24	423.23	423.34	423.17	423.22	14
		15	423.41	423.15	423.13	423.11	423.15	423.05	423.40	423.43+	423.23	423.32	423.17	423.24	15
		16	423.38	423.15	423.13	423.10	423.19+	423.05	423.34	423.38	423.22	423.29	423.16	423.27	16
		17	423.35	423.15	423.13	423.10	423.16	423.06	423.35	423.33	423.29	423.28	423.16	423.33	17
		18	423.32	423.14-	423.14	423.10	423.15	423.11	423.37	423.30	423.38	423.27	423.16	423.35	18
		19	423.31	423.14-	423.16	423.09	423.13	423.13	423.34	423.27	423.40	423.30	423.16	423.34	19
		20	423.30	423.15	423.18	423.09	423.12	423.12	423.38	423.25	423.37	423.36	423.15	423.33	20
		+ Maximum	21	423.30	423.22	423.17	423.09	423.10	423.10	423.35	423.24	423.34	423.34	423.14	423.32
	22		423.29	423.23	423.16	423.09	423.09	423.11	423.37	423.22	423.32	423.32	423.14	423.67	22
	23		423.28	423.21	423.15	423.09	423.08	423.16	423.44	423.21	423.29	423.29	423.13	423.73+	23
	24		423.27	423.19	423.14	423.08	423.07	423.14	423.53+	423.20	423.27	423.28	423.13	423.59	24
	25		423.26	423.21	423.14	423.08	423.08	423.13	423.41	423.21	423.24	423.27	423.13	423.52	25
	26		423.25	423.21	423.14	423.08	423.07	423.12	423.34	423.19	423.23	423.25	423.12-	423.47	26
	27		423.24	423.22	423.13	423.08	423.08	423.11	423.30	423.22	423.21	423.25	423.12-	423.42	27
	28		423.24	423.26+	423.13	423.07-	423.08	423.11	423.27	423.21	423.20	423.23	423.12-	423.39	28
	29		423.23		423.13	423.07-	423.08	423.11	423.26	423.19	423.19	423.23	423.12-	423.37	29
	30		423.22		423.13	423.07-	423.07	423.40+	423.25	423.18	423.18	423.22	423.12-	423.36	30
	31		423.21-		423.12-		423.07		423.23	423.17-		423.21		423.51	31
Monatsmittel		423.31	423.18	423.16	423.11	423.07-	423.09	423.33+	423.25	423.27	423.27	423.16	423.31	m ü.M.	
Spitze Datum		423.55 13.	423.27 28.	423.26 1.	423.17- 4.	423.19 15.	423.44 30.	423.64 13.	423.45 15.	423.58 5.	423.70 10.	423.21 1.	423.88+ 22.	m ü.M.	
Amplitude		0.34	0.13	0.15	0.11	0.20	0.40	0.48	0.29	0.43	0.56	0.09-	0.76+	m	

Jahr Mittel: 423.21 Spitze: 423.88 (22.12.2011) Minimum: 422.99 (05.05.2011) Amplitude: 0.89



Periode		1995 - 2011 (17 Jahre)												
Monatsmittel		423.19	423.19	423.20	423.19	423.18	423.20	423.20	423.19	423.19	423.18	423.17-	423.21+	m ü.M.
Monats-Spitze Jahr		423.60 1995	423.52 1999	423.59 2009	423.62 2008	423.64 1999	423.76 2004	423.73 2010	423.89+ 2005	423.78 2010	423.70 2011	423.49- 2001	423.88 2011	m ü.M.
Monats-Minimum Jahr		423.05 1996	423.06+ 1996	423.04 1996	423.02 1996	422.99 2011	423.04 2011	423.06+ 2006	423.05 1997	423.05 1996	422.70- 1996	422.70- 1996	423.05 1995	m ü.M.
Monats-Amplitude Jahr		0.47 1995	0.39- 1999	0.42 2001	0.48 2008	0.48 1999	0.65 2004	0.52 2010	0.73 2005	0.60 2010	0.67 1996	0.65 1996	0.76+ 2011	m
Periode		Mittel: 423.19		Spitze: 423.89 (22.08.2005)			Minimum: 422.70 (01.10.1996)			Amplitude: 1.19				



Grundwasserstände



Orpheus Mini

Nr. 1301 Baar - Schönbühlwald

Koordinaten: 682'223.88 / 229'520.99

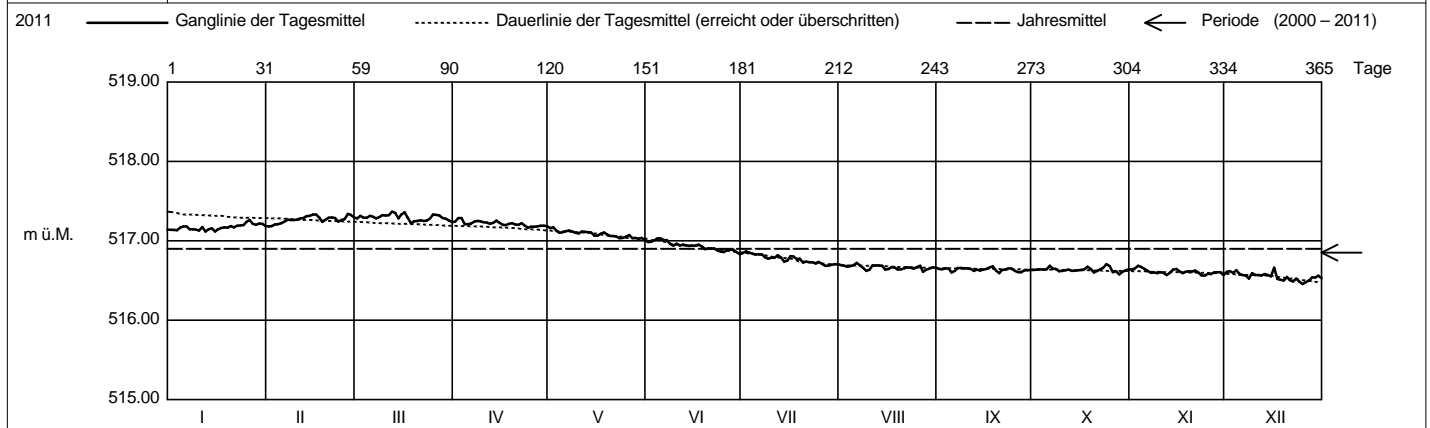
Abstichpunkt: 566.30 m ü.M. OK Terrain: 566.505 m ü.M.

KANTON ZUG

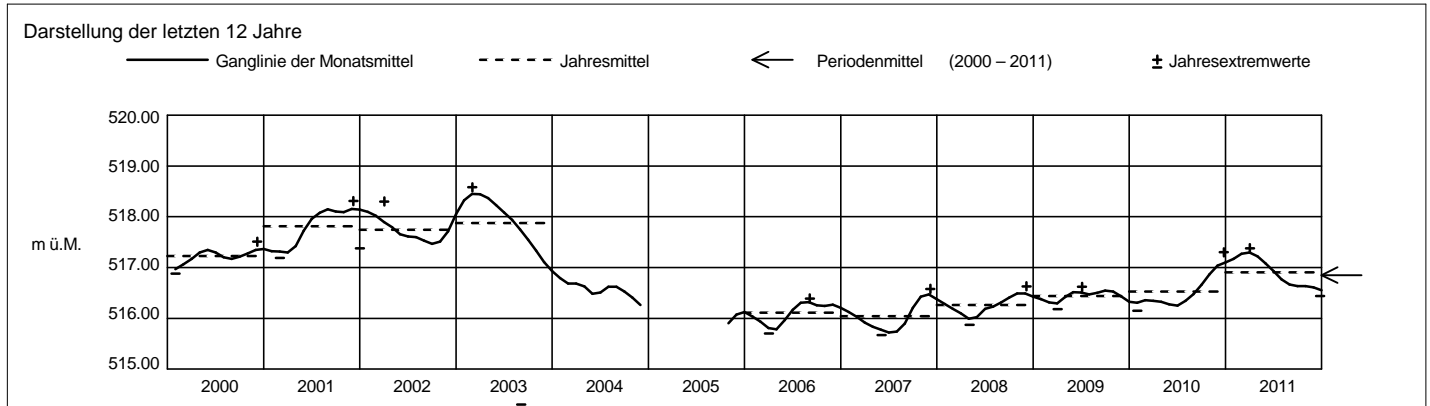
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	517.14	517.18-	517.28	517.24	517.16	516.98	516.85	516.70	516.65	516.63	516.64	516.61	1
	2	517.14	517.19	517.31	517.29+	517.17+	516.99	516.87+	516.69	516.64	516.64	516.66	516.62	2
	3	517.13	517.21	517.29	517.29+	517.13	517.01	516.85	516.67	516.65	516.64	516.69+	516.60	3
	4	517.16	517.21	517.29	517.21	517.10	517.03+	516.84	516.68	516.65	516.64	516.67	516.63	4
	5	517.18	517.22	517.32	517.21	517.11	517.03+	516.83	516.69	516.60	516.64	516.65	516.59	5
	6	517.18	517.24	517.30	517.22	517.12	517.01	516.83	516.72+	516.62	516.69	516.62	516.57	6
	7	517.15	517.27	517.28	517.24	517.13	517.01	516.83	516.69	516.66	516.65	516.60	516.57	7
	8	517.15	517.26	517.30	517.25	517.12	516.96	516.79	516.66	516.66	516.65	516.60	516.53	8
	9	517.14	517.26	517.33	517.25	517.10	516.94	516.78	516.62	516.66	516.62	516.59	516.59	9
	10	517.13	517.27	517.32	517.24	517.09	516.96	516.79	516.64	516.65	516.62	516.61	516.57	10
m ü.M.	11	517.18	517.28	517.32	517.23	517.12	516.94	516.79	516.69	516.65	516.63	516.60	516.57	11
	12	517.12-	517.29	517.37+	517.22	517.11	516.95	516.82	516.69	516.62	516.64	516.57	516.57	12
	13	517.15	517.31	517.35	517.23	517.11	516.94	516.79	516.69	516.64	516.62	516.60	516.58	13
	14	517.16	517.32	517.28	517.26	517.11	516.94	516.74	516.69	516.63	516.63	516.64	516.57	14
	15	517.12-	517.33	517.33	517.23	517.07	516.94	516.75	516.64	516.64	516.63	516.65	516.55	15
	16	517.15	517.33	517.36	517.20	517.06	516.94	516.81	516.65	516.65	516.64	516.62	516.66+	16
	17	517.16	517.29	517.29	517.20	517.09	516.95	516.80	516.67	516.67	516.64	516.59	516.52	17
	18	517.17	517.24	517.22-	517.22	517.11	516.93	516.77	516.66	516.68+	516.67	516.61	516.51	18
	19	517.17	517.27	517.25	517.22	517.08	516.90	516.77	516.64	516.63	516.64	516.62	516.50	19
	20	517.19	517.29	517.25	517.21	517.06	516.91	516.73	516.64	516.59-	516.60	516.61	516.55	20
+ Maximum	21	517.17	517.30	517.26	517.20	517.06	516.90	516.74	516.66	516.63	516.62	516.62	516.50	21
	22	517.19	517.29	517.25	517.22	517.05	516.90	516.73	516.67	516.64	516.64	516.60	516.49	22
	23	517.19	517.24	517.25	517.19	517.03	516.88	516.73	516.66	516.66	516.67	516.57	516.53	23
	24	517.20	517.26	517.28	517.17-	517.04	516.86	516.71	516.65	516.65	516.71+	516.56-	516.48	24
	25	517.24	517.28	517.33	517.18	517.05	516.86	516.73	516.67	516.62	516.68	516.59	516.46-	25
	26	517.27+	517.34+	517.33	517.18	517.07	516.88	516.71	516.69	516.60	516.61	516.58	516.48	26
	27	517.22	517.33	517.32	517.18	517.03	516.89	516.69-	516.61-	516.61	516.62	516.60	516.50	27
	28	517.20	517.30	517.29	517.19	517.04	516.89	516.69-	516.64	516.63	516.58-	516.61	516.54	28
	29	517.22		517.28	517.19	517.03	516.86	516.70	516.65	516.63	516.61	516.61	516.54	29
	30	517.21		517.25	517.19	517.04	516.83-	516.71	516.67	516.64	516.63	516.57	516.56	30
	31	517.19		517.23	517.01-	517.01-		516.71	516.66	516.64	516.64	516.53	516.53	31
Monatsumme	517.17	517.27	517.29+	517.22	517.08	516.93	516.77	516.67	516.64	516.64	516.61	516.55-	m ü.M.	
Spitze Datum	26.	26.	12.	2.	2.	4.	2.	6.	18.	24.	3.	16.	m ü.M.	
Amplitude	0.18	0.19	0.17	0.15-	0.23	0.23	0.20	0.15-	0.15-	0.16	0.17	0.30+	m	

Jahr Mittel: 516.90 Spitze: 517.38 (12.03.2011) Minimum: 516.44 (24.12.2011) Amplitude: 0.94



Periode		2000 - 2011 (12 Jahre)												
Monatsumme		516.89+	516.87	516.84	516.83-	516.83-	516.84	516.85	516.85	516.87	516.84	516.84	516.87	m ü.M.
Monats-Spitze Jahr		518.54 2003	518.58+ 2003	518.52 2003	518.50 2003	518.33 2003	518.19 2003	518.13- 2001	518.19 2001	518.19 2001	518.20 2001	518.31 2001	518.29 2002	m ü.M.
Monats-Minimum Jahr		515.95 2006	515.84 2006	515.70 2006	515.70 2006	515.67 2007	515.68 2007	515.67 2007	514.30- 2003	516.02 2007	515.78 2005	515.96 2005	516.03+ 2005	m ü.M.
Monats-Amplitude Jahr		0.36 2003	0.26 2000	0.55 2004	0.63 2004	0.43 2001	0.23 2011	0.21- 2003	3.55+ 2007	0.37 2007	0.30 2010	0.33 2005	0.47 2002	m
Periode		Mittel: 516.85			Spitze: 518.58 (03.02.2003)			Minimum: 514.30 (10.08.2003)			Amplitude: 4.28			



Grundwasserstände



Orpheus Mini

Nr. 2010 Menzingen - Winzwilen - Süd

Koordinaten: 688'297 / 226'605

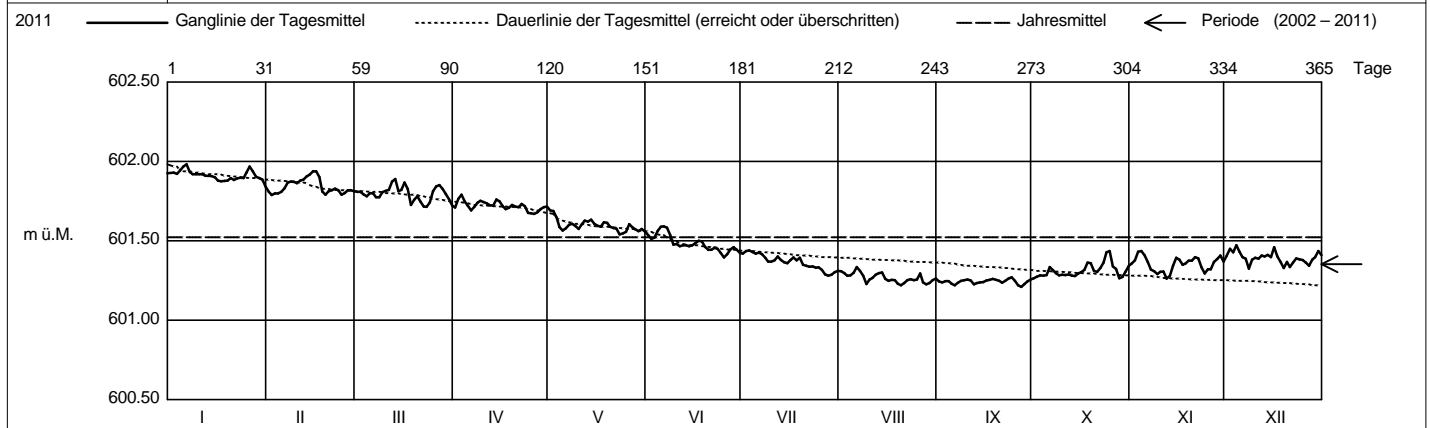
Abstichpunkt: 687.34 m ü.M. OK Terrain: 687.53 m ü.M.

KANTON ZUG

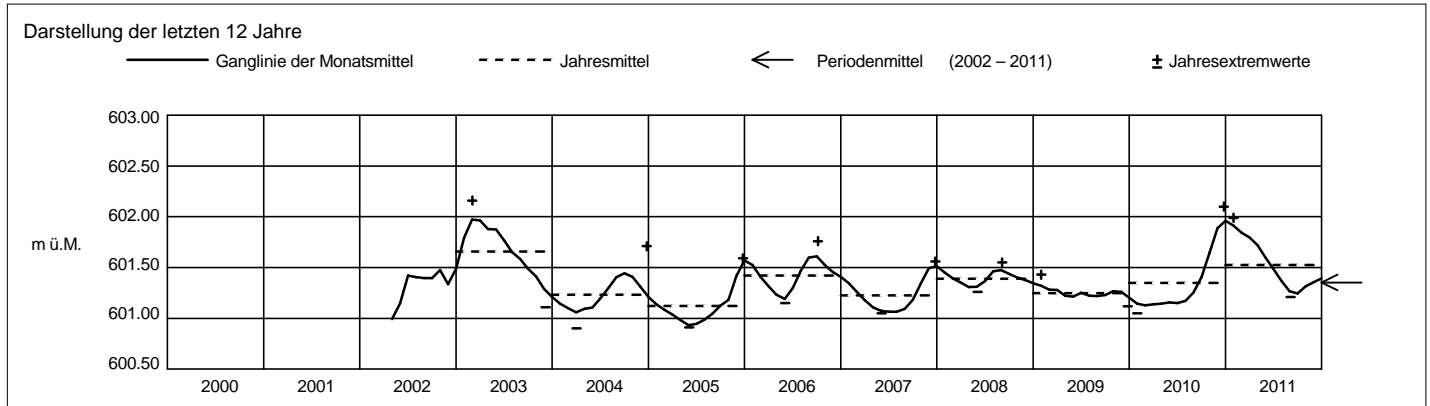
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	601.93	601.81	601.81	601.71	601.69+	601.54	601.42	601.31	601.25	601.26-	601.36	601.41	1
	2	601.93	601.79-	601.81	601.76	601.69+	601.51	601.44+	601.30	601.24	601.28	601.38	601.45	2
	3	601.92	601.80	601.79	601.79+	601.65	601.52	601.44+	601.28	601.25	601.28	601.43	601.43	3
	4	601.94	601.80	601.78	601.75	601.59	601.56	601.43	601.28	601.25	601.28	601.44+	601.47+	4
	5	601.97	601.81	601.80	601.72	601.57	601.59+	601.42	601.30	601.23	601.28	601.41	601.43	5
	6	601.98+	601.83	601.80	601.69	601.58	601.59+	601.43	601.34+	601.22	601.34	601.37	601.40	6
	7	601.94	601.87	601.78	601.72	601.60	601.58	601.42	601.31	601.24	601.32	601.32	601.39	7
	8	601.92	601.87	601.78	601.74	601.61	601.54	601.39	601.28	601.25	601.30	601.31	601.33-	8
	9	601.92	601.87	601.81	601.75	601.59	601.48	601.37	601.23	601.25	601.28	601.29	601.38	9
	10	601.92	601.86	601.81	601.75	601.57	601.48	601.37	601.26	601.26	601.29	601.31	601.39	10
m ü.M.	11	601.92	601.88	601.82	601.74	601.61	601.47	601.38	601.27	601.25	601.28	601.31	601.39	11
	12	601.91	601.89	601.87	601.72	601.63	601.47	601.40	601.29	601.23	601.29	601.26-	601.41	12
	13	601.91	601.91	601.89+	601.72	601.62	601.47	601.38	601.30	601.24	601.28	601.28	601.40	13
	14	601.91	601.92	601.81	601.76	601.63	601.47	601.37	601.30	601.24	601.28	601.34	601.41	14
	15	601.90	601.94+	601.82	601.75	601.61	601.47	601.36	601.26	601.24	601.29	601.39	601.40	15
	16	601.88	601.94+	601.87	601.72	601.59	601.49	601.38	601.25	601.25	601.30	601.38	601.46	16
	17	601.88	601.90	601.83	601.70	601.59	601.50	601.40	601.25	601.26	601.32	601.35	601.40	17
	18	601.88	601.81	601.73	601.71	601.62	601.50	601.38	601.25	601.26	601.36	601.36	601.37	18
	19	601.88	601.79-	601.76	601.73	601.61	601.46	601.39	601.23	601.25	601.36	601.38	601.33-	19
	20	601.90	601.81	601.78	601.72	601.59	601.45	601.35	601.22-	601.25	601.31	601.38	601.37	20
+ Maximum	21	601.88	601.82	601.75	601.71	601.58	601.44	601.34	601.23	601.24	601.31	601.40	601.34	21
	22	601.89	601.83	601.72	601.73	601.58	601.46	601.34	601.25	601.25	601.33	601.39	601.36	22
	23	601.90	601.82	601.71-	601.72	601.54-	601.45	601.34	601.26	601.26	601.36	601.33	601.39	23
	24	601.90	601.79-	601.74	601.68	601.55	601.42	601.33	601.25	601.27+	601.43	601.30	601.38	24
	25	601.93	601.80	601.81	601.67-	601.56	601.40-	601.33	601.26	601.25	601.44+	601.32	601.38	25
	26	601.97	601.82	601.84	601.67-	601.61	601.42	601.32	601.29	601.22	601.34	601.32	601.36	26
	27	601.94	601.82	601.85	601.68	601.59	601.45	601.29	601.24	601.21-	601.32	601.37	601.34	27
	28	601.90	601.81	601.83	601.70	601.57	601.46	601.28-	601.23	601.23	601.27	601.39	601.38	28
	29	601.90		601.79	601.71	601.56	601.45	601.29	601.23	601.24	601.27	601.41	601.40	29
	30	601.89		601.76	601.72	601.57	601.42	601.30	601.25	601.26	601.31	601.37	601.44	30
31	601.84-		601.72		601.56		601.31	601.26		601.34		601.41	31	
Monatsumme		601.91+	601.84	601.80	601.72	601.60	601.48	601.37	601.27	601.24-	601.31	601.35	601.39	m ü.M.
Spitze Datum		6. 601.99+	15. 601.95	13. 601.90	3. 601.80	1. 601.71	6. 601.61	2. 601.45	6. 601.35	24. 601.28-	25. 601.46	3. 601.46	5. 601.53	m ü.M.
Amplitude		0.17	0.18	0.20	0.13	0.19	0.22+	0.17	0.14	0.07-	0.21	0.21	0.22+	m

Jahr Mittel: 601.52 Spitze: 601.99 (06.01.2011) Minimum: 601.21 (09.08.2011) Amplitude: 0.78



Periode		2002 - 2011 (10 Jahre)												
Monatsumme		601.42	601.38	601.35	601.30	601.26-	601.29	601.31	601.33	601.36	601.40	601.42	601.43+	m ü.M.
Monats-Spitze Jahr		602.12 2003	602.16+ 2003	602.08 2003	602.01 2003	601.98 2003	601.87 2003	601.77 2003	601.68- 2006	601.76 2006	601.92 2002	602.05 2010	602.10 2010	m ü.M.
Monats-Minimum Jahr		601.01 2004	600.97 2004	600.90 2004	600.75 2002	600.61- 2002	600.91 2005	600.94 2005	601.01 2005	601.08 2005	601.13+ 2005	601.11 2003	601.11 2003	m ü.M.
Monats-Amplitude Jahr		0.51 2003	0.34 2003	0.28 2004	0.41 2002	1.09+ 2002	0.30 2002	0.23 2006	0.19- 2002	0.25 2003	0.66 2002	0.35 2010	0.56 2004	m
Periode		Mittel: 601.35	Spitze: 602.16 (04.02.2003)				Minimum: 600.61 (07.05.2002)				Amplitude: 1.55			



Grundwasserstände



Orpheus Mini

Nr. 2031 Menzingen - KIBAG 4 - Bergli

Koordinaten: 685'833 / 224'383

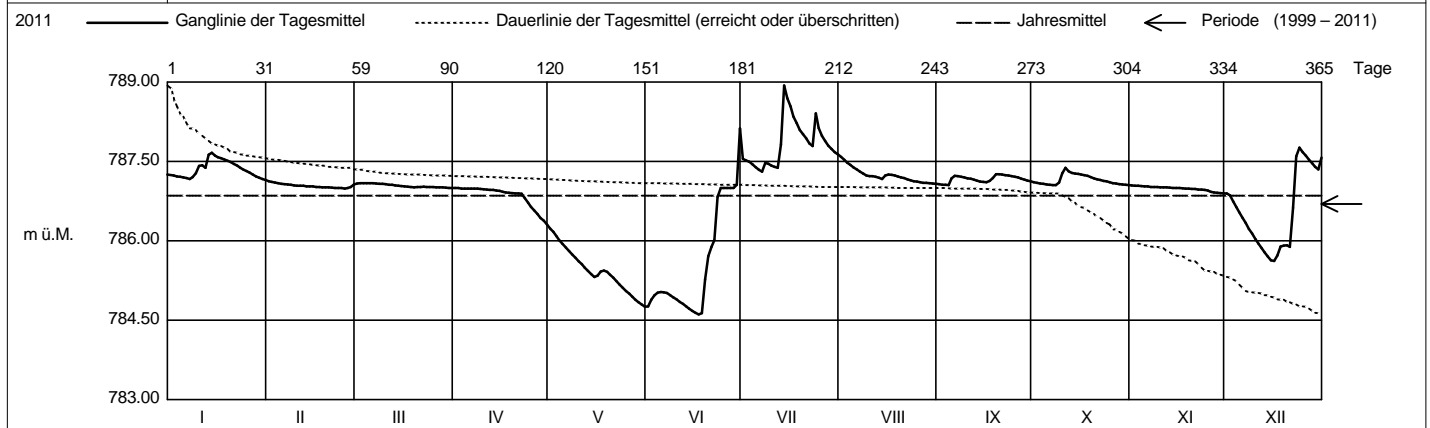
Abstichpunkt: 813.57 m ü.M. OK Terrain: 812.91 m ü.M.

KANTON ZUG

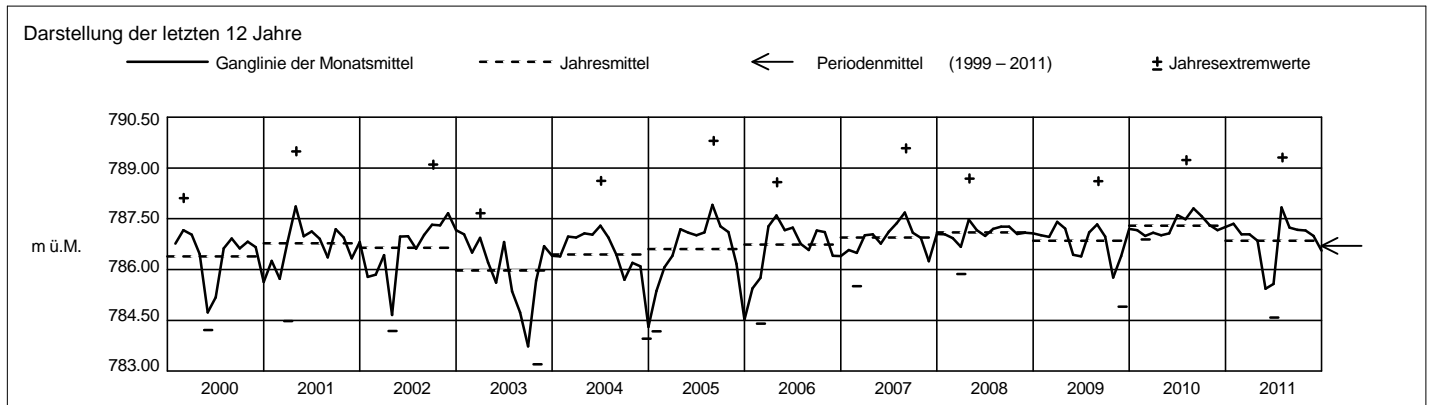
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember			
Tagesmittel	1	787.25	787.13+	787.09+	787.00+	786.23+	784.76	787.55	787.59+	787.07	787.11	787.05+	786.90	1		
	2	787.24	787.11	787.09+	787.00+	786.17	784.89	787.52	787.53	787.06	787.10	787.04	786.86	2		
	3	787.22	787.10	787.09+	786.99	786.09	784.98	787.49	787.48	787.06	787.09	787.04	786.74	3		
	4	787.21	787.09	787.09+	786.99	786.01	785.02	787.45	787.43	787.05-	787.08	787.04	786.64	4		
	5	787.20	787.08	787.09+	786.99	785.94	785.03	787.40	787.39	787.18	787.07	787.03	786.54	5		
	6	787.19	787.07	787.09+	786.99	785.87	785.03	787.35	787.35	787.23	787.06	787.03	786.44	6		
	7	787.17	787.07	787.08	786.99	785.81	785.01	787.31-	787.31	787.23	787.05-	787.02	786.34	7		
	8	787.21	787.06	787.08	786.99	785.74	784.98	787.47	787.47	787.21	787.05-	787.02	786.22	8		
	9	787.28	787.05	787.08	786.98	785.68	784.93	787.46	787.23	787.20	787.11	787.02	786.14	9		
	10	787.42	787.05	787.07	786.98	785.62	784.90	787.42	787.23	787.18	787.28	787.01	786.04	10		
	m ü.M.	11	787.43	787.04	787.06	786.97	785.56	784.85	787.40	787.23	787.18	787.38+	787.01	785.94	11	
		12	787.38	787.06	787.06	786.96	785.50	784.81	787.38	787.16	787.16	787.10	785.86	12		
		13	787.63	787.03	787.05	786.96	785.43	784.76	787.82	787.19	787.14	787.28	787.01	785.78	13	
		14	787.66+	787.03	787.04	786.95	785.37	784.72	788.93+	787.17	787.12	787.27	787.00	785.71	14	
		15	787.61	787.03	787.04	786.94	785.32	784.67	788.69	787.24	787.11	787.26	787.00	785.63	15	
		16	787.58	787.02	787.03	786.93	785.34	784.64	788.55	787.25	787.11	787.25	787.00	785.62-	16	
		17	787.56	787.02	787.02	786.92	785.42	784.61-	788.35	787.25	787.13	787.24	787.00	785.73	17	
		18	787.54	787.01	787.02	786.91	785.44	784.63	788.23	787.24	787.19	787.23	786.99	785.89	18	
		19	787.51	787.01	787.02	786.90	785.41	785.27	788.10	787.22	787.26+	787.21	786.99	785.91	19	
		20	787.49	787.01	787.02	786.90	785.36	785.71	788.02	787.20	787.26+	787.18	786.98	785.92	20	
		+ Maximum	21	787.45	787.01	787.02	786.90	785.30	785.89	787.94	787.19	787.25	787.16	786.98	785.89	21
	22		787.42	787.00	787.02	786.89	785.24	786.02	787.84	787.16	787.24	787.15	786.97	786.62	22	
	23		787.38	787.00	787.02	786.81	785.17	786.83	787.79	787.15	787.24	787.14	786.97	787.60	23	
	24		787.35	787.00	787.02	786.72	785.11	787.00	788.41	787.13	787.23	787.13	786.96	787.76+	24	
	25		787.32	786.99-	787.02	786.65	785.05	787.00	788.13	787.12	787.21	787.11	786.95	787.68	25	
	- Minimum		26	787.29	787.00	787.01	786.58	785.00	787.00	787.99	787.11	787.20	787.09	786.93	787.61	26
			27	787.25	787.02	787.01	786.51	784.94	787.00	787.89	787.10	787.18	787.09	786.92	787.53	27
			28	787.22	787.06	787.01	786.43	784.89	787.00	787.80	787.10	787.16	787.07	786.91	787.47	28
			29	787.19		787.01	786.38	784.84	787.06	787.74	787.09	787.14	787.07	786.90-	787.40	29
			30	787.17		787.00-	786.31-	784.80	788.13+	787.68	787.08-	787.13	787.06	786.90-	787.35	30
			31	787.15-		787.00-		784.75-		787.64	787.08-		787.05-		787.57	31
Monatsumme	787.35	787.04	787.04	786.85	785.43-	785.57	787.83+	787.24	787.17	787.15	786.99	786.56	m ü.M.			
Spitze Datum	787.72 13.	787.14 1.	787.09 1.	787.00 1.	786.27- 1.	788.49 30.	789.31+ 14.	787.61 1.	787.65 5.	787.41 11.	787.05 1.	788.32 31.	m ü.M.			
Amplitude	0.58	0.15	0.09-	0.72	1.54	3.91+	2.02	0.54	0.60	0.36	0.15	2.73	m			

Jahr Mittel: 786.85 Spitze: 789.31 (14.07.2011) Minimum: 784.58 (18.06.2011) Amplitude: 4.73



Periode 1999 - 2011 (13 Jahre)													
Monatsumme	786.45	786.54	786.93	786.89	786.54	786.78	786.94+	786.94+	786.68	786.73	786.61	786.41-	m ü.M.
Monats-Spitze Jahr	787.72- 2011	788.11 2000	788.27 2009	789.49 2001	787.92 2001	788.71 2010	789.31 2011	789.80+ 2005	789.32 2001	787.87 2010	788.93 2002	788.32 2011	m ü.M.
Monats-Minimum Jahr	784.18 2005	784.40 2006	784.48 2001	784.19 2002	784.21 2000	784.47 2000	784.74 2000	784.16 2003	783.31 2003	783.20- 2003	784.84+ 1999	783.96 2004	m ü.M.
Monats-Amplitude Jahr	2.47 2001	2.89 2006	3.65 2001	3.78 2001	2.29- 2003	3.91 2011	3.10 2000	2.74 2005	4.04+ 2003	3.75 2003	2.72 2005	2.73 2011	m
Periode	Mittel: 786.70 Spitze: 789.80 (22.08.2005) Minimum: 783.20 (04.10.2003) Amplitude: 6.60												



Grundwasserstände



Orpheus

Nr. 2036 Neuheim - Neutal

Koordinaten: 686'923 / 229'090

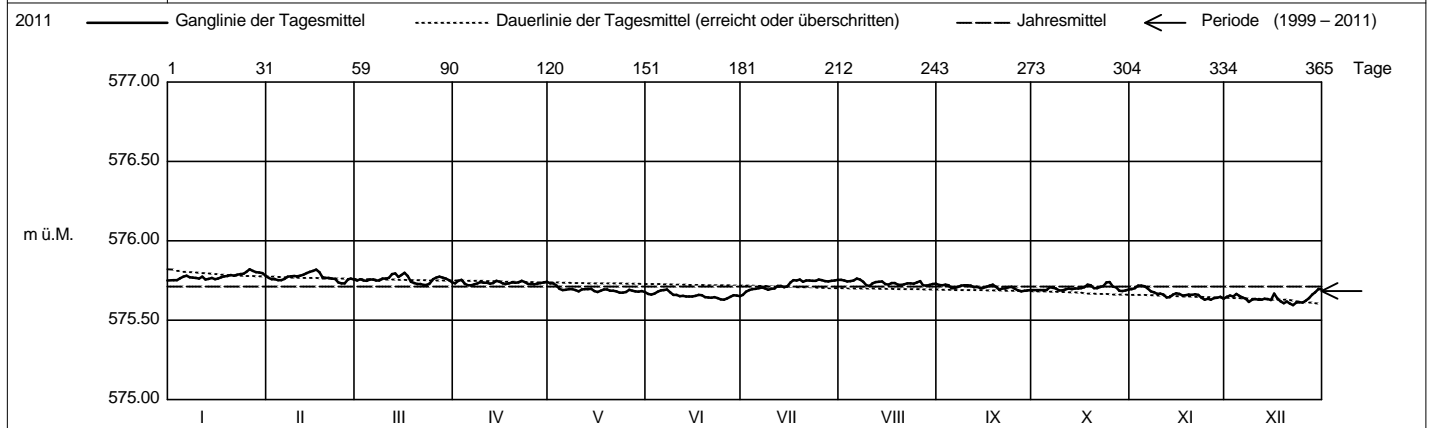
Abstichpunkt: 599.46 m ü.M. OK Terrain: 598.92 m ü.M.

KANTON ZUG

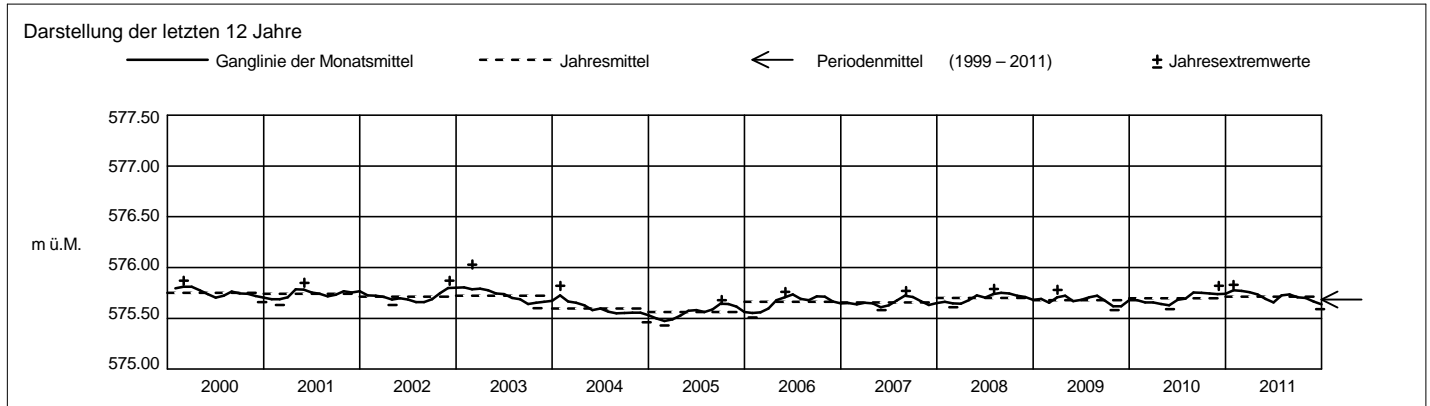
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	575.75-	575.77	575.75	575.73	575.73+	575.67	575.66-	575.75	575.72+	575.69	575.70	575.65	1	
	2	575.75-	575.76	575.76	575.75	575.73+	575.66	575.68	575.75	575.72+	575.69	575.70	575.66	2	
	3	575.75-	575.76	575.75	575.76+	575.72	575.67	575.69	575.74	575.72+	575.69	575.72+	575.65	3	
	4	575.77	575.75	575.75	575.73	575.70	575.68	575.70	575.75	575.72+	575.69	575.72+	575.66	4	
	5	575.78	575.75	575.76	575.72-	575.69	575.69+	575.70	575.75	575.72+	575.69	575.72+	575.65	5	
	6	575.78	575.76	575.76	575.72-	575.69	575.69+	575.70	575.76+	575.70	575.71	575.70	575.64	6	
	7	575.77	575.78	575.75	575.73	575.70	575.69+	575.71	575.76+	575.71	575.70	575.68	575.64	7	
	8	575.77	575.78	575.75	575.73	575.70	575.68	575.70	575.74	575.72+	575.70	575.68	575.62	8	
	9	575.77	575.78	575.76	575.74	575.69	575.66	575.69	575.72-	575.72+	575.69	575.66	575.63	9	
	10	575.76	575.78	575.76	575.74	575.68	575.66	575.70	575.72-	575.72+	575.69	575.67	575.63	10	
m ü.M.	11	575.78	575.78	575.77	575.74	575.69	575.65	575.70	575.73	575.72+	575.69	575.66	575.63	11	
	12	575.76	575.79	575.79	575.73	575.70	575.65	575.72	575.74	575.71	575.70	575.68	575.63	12	
	13	575.76	575.80	575.80+	575.74	575.70	575.65	575.72	575.74	575.71	575.70	575.65	575.64	13	
	14	575.77	575.80	575.77	575.75	575.70	575.65	575.71	575.75	575.70	575.70	575.66	575.63	14	
	15	575.76	575.81	575.78	575.74	575.68	575.65	575.71	575.73	575.70	575.70	575.67	575.63	15	
	16	575.76	575.82+	575.80+	575.73	575.68	575.65	575.74	575.72-	575.71	575.70	575.67	575.67	16	
	17	575.77	575.80	575.78	575.73	575.69	575.66	575.75	575.73	575.72+	575.71	575.66	575.64	17	
	18	575.78	575.77	575.74	575.73	575.69	575.66	575.75	575.73	575.72+	575.72	575.66	575.62	18	
	19	575.78	575.77	575.74	575.74	575.69	575.65	575.76+	575.72-	575.71	575.72	575.66	575.61	19	
	20	575.78	575.77	575.73	575.74	575.69	575.64	575.74	575.72-	575.69	575.70	575.66	575.62	20	
+ Maximum	21	575.78	575.76	575.73	575.74	575.69	575.64	575.75	575.73	575.70	575.70	575.66	575.61	21	
	22	575.79	575.76	575.72-	575.75	575.68	575.65	575.75	575.73	575.70	575.71	575.66	575.60-	22	
	23	575.79	575.74	575.72-	575.74	575.67-	575.64	575.75	575.73	575.71	575.72	575.64	575.61	23	
	24	575.79	575.73-	575.73	575.73	575.67-	575.63-	575.75	575.73	575.71	575.74+	575.63-	575.61	24	
	25	575.81	575.73-	575.76	575.73	575.68	575.63-	575.76+	575.74	575.70	575.74+	575.64	575.61	25	
	- Minimum	26	575.82+	575.76	575.77	575.73	575.69	575.64	575.75	575.69	575.71	575.63-	575.62	26	
		27	575.81	575.76	575.78	575.73	575.69	575.65	575.75	575.72-	575.68-	575.71	575.64	575.64	27
		28	575.80	575.76	575.77	575.73	575.68	575.66	575.74	575.72-	575.69	575.69	575.64	575.66	28
		29	575.80		575.76	575.74	575.68	575.66	575.75	575.72-	575.69	575.68-	575.65	575.68	29
		30	575.80		575.75	575.74	575.68	575.65	575.75	575.73	575.69	575.69	575.64	575.70+	30
31		575.78		575.74	575.74	575.68	575.65	575.75	575.73	575.69	575.69	575.64	575.70+	31	
Monatsumme	575.78+	575.77	575.76	575.74	575.69	575.66	575.72	575.74	575.71	575.70	575.66	575.64-	m ü.M.		
Spitze Datum	575.83+ 26.	575.82 15.	575.80 12.	575.76 2.	575.74 1.	575.70- 6.	575.76 17.	575.77 6.	575.74 18.	575.75 24.	575.73 3.	575.71 30.	m ü.M.		
Amplitude	0.08	0.09	0.08	0.05-	0.08	0.07	0.11	0.06	0.06	0.07	0.11	0.12+	m		

Jahr Mittel: 575.71 Spitze: 575.83 (26.01.2011) Minimum: 575.59 (22.12.2011) Amplitude: 0.24



Periode		1999 - 2011 (13 Jahre)												
Monatsumme		575.68	575.67-	575.68	575.69	575.68	575.68	575.68	575.69	575.70+	575.69	575.68	575.68	m ü.M.
Monats-Spitze Jahr		575.91 2003	576.03+ 2003	575.87 2000	575.84 2000	575.85 2001	575.78- 2001	575.79 2001	575.79 2000	575.80 2000	575.82 2002	575.87 2002	575.89 1999	m ü.M.
Monats-Minimum Jahr		575.44 2005	575.43- 2005	575.43- 2005	575.48 2005	575.53 2004	575.54+ 2004	575.51 2004	575.51 2004	575.49 2004	575.51 2004	575.53 2004	575.46 2004	m ü.M.
Monats-Amplitude Jahr		0.17 2004	0.28+ 2003	0.16 2005	0.16 2008	0.12- 2004	0.13 2004	0.12- 2007	0.13 2005	0.12- 2001	0.13 2003	0.15 2002	0.20 2003	m
Periode		Mittel: 575.68			Spitze: 576.03 (05.02.2003)			Minimum: 575.43 (02.02.2005)			Amplitude: 0.60			



Grundwasserstände



Orpheus Mini

Nr. 2058 Menzingen - Hintercher-Sihlwald

Koordinaten: 689'970.85 / 226'105.27

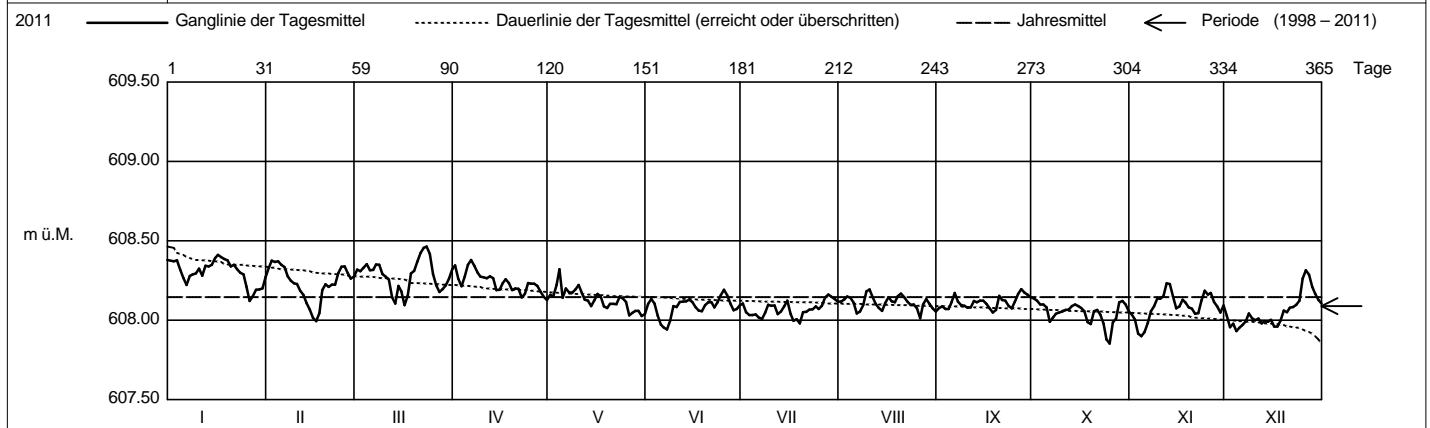
Abstichpunkt: 655.15 m ü.M. OK Terrain: 655.25 m ü.M.

KANTON ZUG

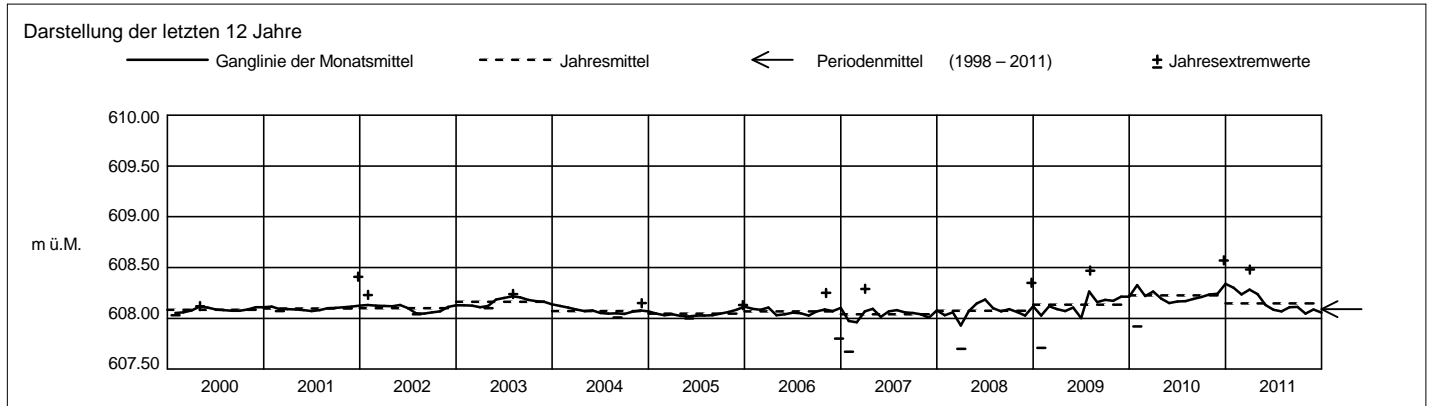
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	608.38	608.33	608.32	608.35	608.16	608.10	608.11	608.12	608.08	608.14+	608.04	608.03	1
	2	608.37	608.38+	608.31	608.26	608.15	608.13	608.05	608.13	608.09	608.12	608.00	607.96	2
	3	608.38	608.37	608.33	608.21	608.22	608.11	608.03	608.15	608.07	608.10	607.91	607.98	3
	4	608.32	608.37	608.35	608.28	608.32+	608.03	608.03	608.14	608.07	608.10	607.90-	607.93-	4
	5	608.27	608.35	608.32	608.35	608.14	607.97	608.04	608.11	608.11	608.08	607.93	607.95	5
	6	608.22	608.33	608.32	608.38+	608.20	607.95	608.02	608.04	608.17	607.99	607.98	607.97	6
	7	608.28	608.28	608.35	608.34	608.18	607.94-	608.01	608.05	608.12	608.02	608.06	607.99	7
	8	608.29	608.25	608.35	608.30	608.17	608.00	608.05	608.09	608.10	608.04	608.09	608.04	8
	9	608.30	608.23	608.29	608.27	608.19	608.09	608.10	608.18	608.09	608.05	608.14	608.01	9
	10	608.33	608.23	608.27	608.27	608.22	608.08	608.09	608.19+	608.08	608.06	608.14	608.00	10
m ü.M.	11	608.28	608.19	608.26	608.27	608.17	608.12	608.09	608.15	608.08	608.06	608.15	608.01	11
	12	608.34	608.16	608.15	608.28	608.13	608.12	608.04	608.10	608.12	608.07	608.23+	607.98	12
	13	608.34	608.11	608.11	608.27	608.12	608.12	608.06	608.08	608.11	608.09	608.23+	608.00	13
	14	608.35	608.07	608.22	608.19	608.09	608.13	608.09	608.06	608.12	608.10	608.15	607.99	14
	15	608.39	608.01	608.18	608.19	608.13	608.12	608.12	608.11	608.12	608.09	608.08	608.00	15
	16	608.41+	607.99-	608.10-	608.23	608.17	608.08	608.04	608.15	608.10	608.08	608.09	607.96	16
	17	608.40	608.05	608.16	608.26	608.15	608.06	608.00	608.12	608.07	608.06	608.13	607.96	17
	18	608.39	608.19	608.30	608.24	608.09	608.06	608.01	608.11	608.05-	607.99	608.11	608.00	18
	19	608.38	608.23	608.31	608.19	608.08	608.09	607.98-	608.15	608.07	607.98	608.08	608.06	19
	20	608.34	608.21	608.37	608.20	608.10	608.11	608.05	608.17	608.15	608.06	608.07	608.05	20
+ Maximum	21	608.35	608.22	608.42	608.20	608.10	608.11	608.05	608.15	608.13	608.07	608.04	608.08	21
	22	608.32	608.22	608.46+	608.14	608.10	608.08	608.07	608.12	608.12	608.03	608.05	608.08	22
	23	608.30	608.30	608.46+	608.17	608.15	608.11	608.07	608.10	608.09	607.98	608.13	608.10	23
	24	608.29	608.34	608.42	608.24	608.14	608.16	608.09	608.10	608.07	607.88	608.19	608.12	24
	25	608.21	608.34	608.29	608.23	608.12	608.19+	608.07	608.08	608.12	607.85-	608.16	608.26	25
	26	608.12-	608.30	608.22	608.23	608.03-	608.16	608.09	608.01-	608.17	607.99	608.17	608.32+	26
	27	608.15	608.26	608.18	608.22	608.05	608.11	608.14	608.10	608.20+	608.01	608.12	608.29	27
	28	608.19	608.27	608.20	608.18	608.06	608.06	608.16+	608.13	608.17	608.11	608.09	608.21	28
	29	608.19		608.22	608.15	608.06	608.07	608.15	608.10	608.16	608.12	608.05	608.17	29
	30	608.20		608.26	608.13-	608.03-	608.09	608.13	608.07	608.15	608.10	608.09	608.13	30
31	608.27		608.32	608.04	608.04		608.12	608.12	608.06	608.05	608.11	608.11	31	
Monatsumme	608.30+	608.23	608.28	608.24	608.13	608.09	608.07	608.11	608.11	608.11	608.05-	608.09	608.06	m ü.M.
Spitze Datum	608.42 16.	608.39 4.	608.48+ 23.	608.39 6.	608.37 5.	608.20 25.	608.17 28.	608.21 10.	608.20 27.	608.14- 1.	608.25 13.	608.33 26.	m ü.M.	
Amplitude	0.32	0.41	0.40	0.28	1.41+	0.28	0.22	0.25	0.19-	0.32	0.39	0.46	m	

Jahr Mittel: 608.15 Spitze: 608.48 (23.03.2011) Minimum: 606.96 (05.05.2011) Amplitude: 1.52



Periode		1998 - 2011 (14 Jahre)												
Monatsumme		608.10	608.09	608.09	608.09	608.09	608.08-	608.09	608.08-	608.08-	608.08-	608.09	608.11+	m ü.M.
Monats-Spitze Jahr		608.50 2010	608.39 2011	608.49 2010	608.39 2011	608.37 2011	608.27- 2010	608.47 2009	608.32	608.34 2010	608.38 2010	608.43 2010	608.57+ 2010	m ü.M.
Monats-Minimum Jahr		607.67 2007	607.77 2007	607.70 2008	607.86 2008	606.96- 2011	607.79 2009	607.91+ 2006	607.86 2006	607.83 2006	607.82 2011	607.75 2008	607.80 2006	m ü.M.
Monats-Amplitude Jahr		0.58 2010	0.51 2009	0.53 2008	0.46 2008	1.41+ 2011	0.31- 2009	0.45 2009	0.33 2006	0.38 2006	0.42 2008	0.51 2010	0.52 2008	m
Periode		Mittel: 608.09 Spitze: 608.57 (10.12.2010) Minimum: 606.96 (05.05.2011) Amplitude: 1.61												



Grundwasserstände



Orpheus Mini

Nr. 2063 Menzingen - Brätigen-West

Koordinaten: 688'191 / 225'964

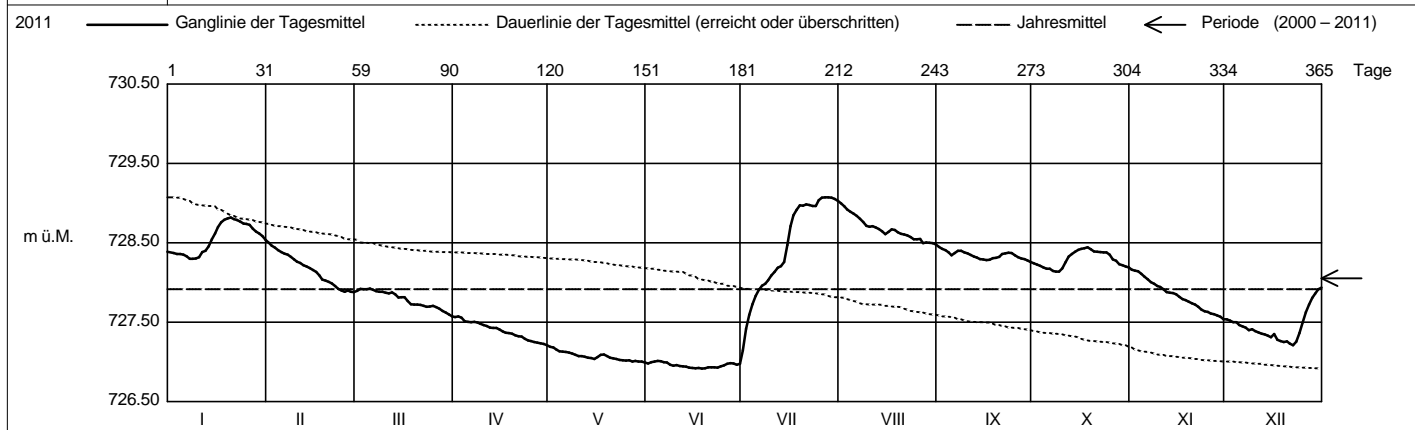
Abstichpunkt: 746.82 m ü.M. OK Terrain: 747.02 m ü.M.

KANTON ZUG

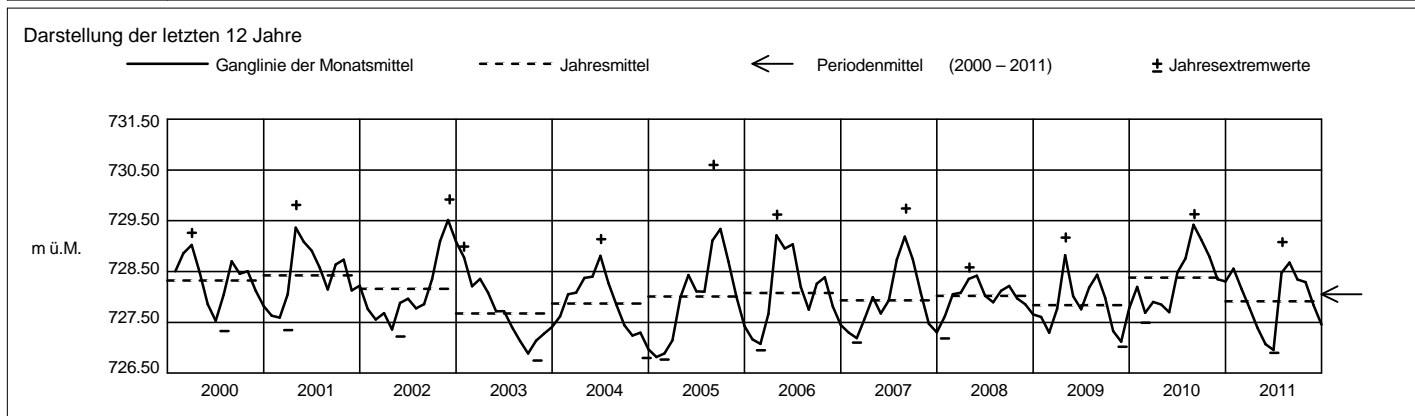
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember			
Tagesmittel	1	728.39	728.50+	727.90	727.57+	727.19+	726.98	727.15-	729.00+	728.45+	728.24	728.16+	727.54	1		
	2	728.37	728.47	727.92+	727.57+	727.18	727.00	727.42	728.96	728.43	728.23	728.15	727.52	2		
	3	728.36	728.44	727.92+	727.56	727.15	727.01+	727.59	728.92	728.41	728.21	728.14	727.50	3		
	4	728.36	728.41	727.91	727.51	727.13	727.01+	727.73	728.89	728.38	728.19	728.11	727.50	4		
	5	728.35	728.38	727.92+	727.51	727.13	727.01+	727.83	728.87	728.37	728.17	728.07	727.47	5		
	6	728.33	728.37	727.91	727.50	727.12	727.00	727.91	728.84	728.37	728.17	728.04	727.45	6		
	7	728.30-	728.35	727.89	727.50	727.12	726.99	727.96	728.80	728.40	728.15	728.01	727.43	7		
	8	728.30-	728.32	727.89	727.50	727.10	726.97	727.98	728.76	728.40	728.14-	727.98	727.40	8		
	9	728.30-	728.29	727.89	727.48	727.09	726.95	728.03	728.72	728.38	728.14-	727.96	727.41	9		
	10	728.32	728.27	727.87	727.46	727.07	726.96	728.09	728.70	728.37	728.17	728.07	727.39	10		
	m ü.M.	11	728.39	728.25	727.86	727.45	727.08	726.95	728.13	728.71	728.35	728.25	727.92	727.37	11	
		12	728.40	728.22	727.88	727.43	727.07	726.95	728.19	728.70	728.33	728.33	727.88	727.36	12	
		13	728.46	728.20	727.85	727.43	727.06	726.94	728.21	728.67	728.32	728.36	727.87	727.35	13	
		14	728.55	728.18	727.81	727.43	727.05	726.93	728.26	728.65	728.30	728.39	727.87	727.33	14	
		15	728.62	728.16	727.82	727.41	727.04	726.93	728.47	728.61	728.29	728.41	727.85	727.31	15	
		16	728.70	728.14	727.82	727.38	727.06	726.92-	728.71	728.64	728.28	728.42	727.82	727.35	16	
		17	728.76	728.09	727.77	727.37	727.09	726.92-	728.85	728.67	728.29	728.43	727.79	727.28	17	
		18	728.79	728.04	727.73	727.37	727.09	726.92-	728.92	728.66	728.31	728.45+	727.78	727.26	18	
		19	728.81	728.03	727.72	727.36	727.07	726.92-	728.97	728.63	728.31	728.42	727.76	727.25	19	
		20	728.82+	728.01	727.72	727.34	727.06	726.93	728.97	728.62	728.33	728.39	727.74	727.26	20	
		+ Maximum	21	728.80	727.99	727.72	727.32	727.05	726.93	728.99	728.60	728.36	728.39	727.72	727.23	21
	22		728.79	727.96	727.71	727.32	727.04	726.93	728.98	728.59	728.37	728.39	727.70	727.21-	22	
	23		728.77	727.92	727.70	727.29	727.03	726.93	728.97	728.57	728.38	728.38	727.66	727.26	23	
	24		728.75	727.90	727.70	727.27	727.02	726.95	728.97	728.55	728.37	728.38	727.64	727.36	24	
	25		728.74	727.88-	727.71	727.26	727.02	726.96	729.04	728.55	728.34	728.35	727.63	727.50	25	
	- Minimum		26	728.73	727.90	727.69	727.25	727.02	726.98	729.07+	728.55	728.32	728.29	727.61	727.63	26
			27	728.68	727.89	727.67	727.24	727.00	726.98	729.07+	728.50	728.30	728.28	727.60	727.72	27
			28	728.64	727.88-	727.64	727.24	727.01	726.98	729.07+	728.50	728.29	728.23	727.59	727.81	28
			29	728.62		727.62	727.23	727.00	726.96	729.07+	728.50	728.28	728.22	727.57	727.86	29
			30	728.58		727.60	727.21-	727.00	726.98	729.05	728.50	728.26-	728.20	727.54-	727.92	30
			31	728.54		727.57-		726.99-		729.03	728.48-		728.19		727.94+	31
Monatsumme	728.56	728.16	727.78	727.39	727.07	726.96-	728.47	728.67+	728.34	728.29	727.84	727.46	m ü.M.			
Spitze Datum	20.	1.	2.	2.	1.	30.	27.	1.	1.	18.	1.	30.	m ü.M.			
Amplitude	0.54	0.65	0.37	0.38	0.23	0.13-	2.04+	0.55	0.21	0.33	0.65	0.78	m			

Jahr Mittel: 727.92 Spitze: 729.08 (27.07.2011) Minimum: 726.90 (18.06.2011) Amplitude: 2.18



Periode		2000 - 2011 (12 Jahre)												
Monatsumme		727.80	727.72-	727.93	728.27	728.10	728.10	728.20	728.37+	728.31	728.19	727.90	727.74	m ü.M.
Monats-Spitze Jahr		728.99- 2003	729.23 2000	729.26 2000	729.81 2001	729.75 2001	729.41 2006	729.55 2010	730.60+ 2005	730.12 2005	729.34 2002	729.92 2002	729.43 2002	m ü.M.
Monats-Minimum Jahr		726.78 2005	726.77 2005	726.91 2005	727.20+ 2011	726.97 2011	726.90 2011	727.04 2011	726.96 2003	726.79 2003	726.75- 2003	727.02 2009	726.80 2004	m ü.M.
Monats-Amplitude Jahr		1.00 2004	0.96 2000	2.05 2006	1.02 2005	1.20 2001	1.16 2010	2.04 2011	2.44+ 2005	1.63 2001	0.92- 2001	1.08 2002	0.98 2009	m
Periode		Mittel: 728.05		Spitze: 730.60 (27.08.2005)				Minimum: 726.75 (03.10.2003)				Amplitude: 3.85		



Grundwasserstände



Orpheus Mini

Nr. 2085 Menzingen - KIBAG Betlehem

Koordinaten: 686'158 / 224'984

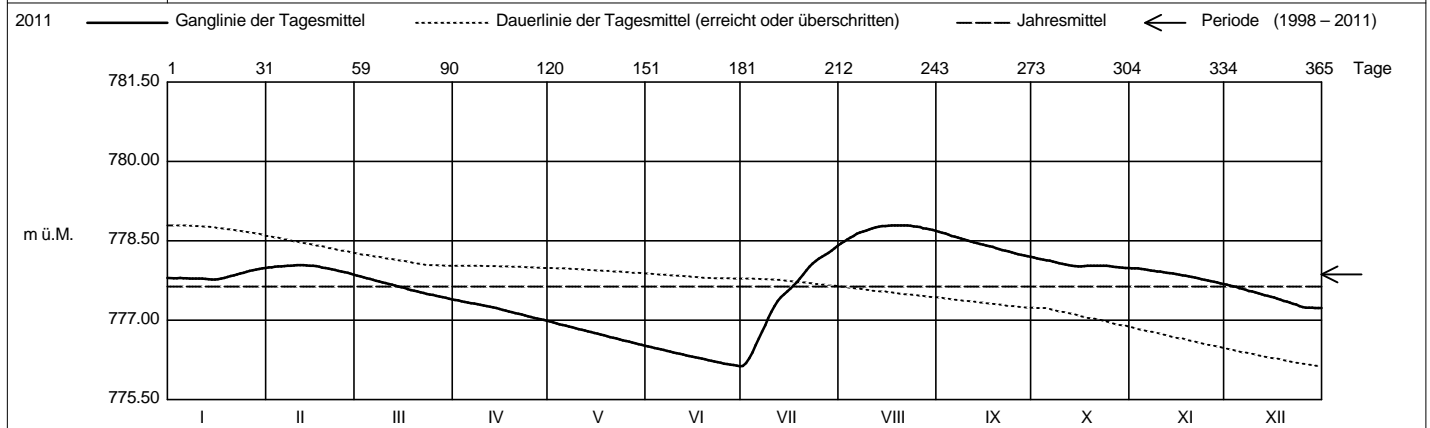
Abstichpunkt: 824.98 m ü.M. OK Terrain: 825.115 m ü.M.

KANTON ZUG

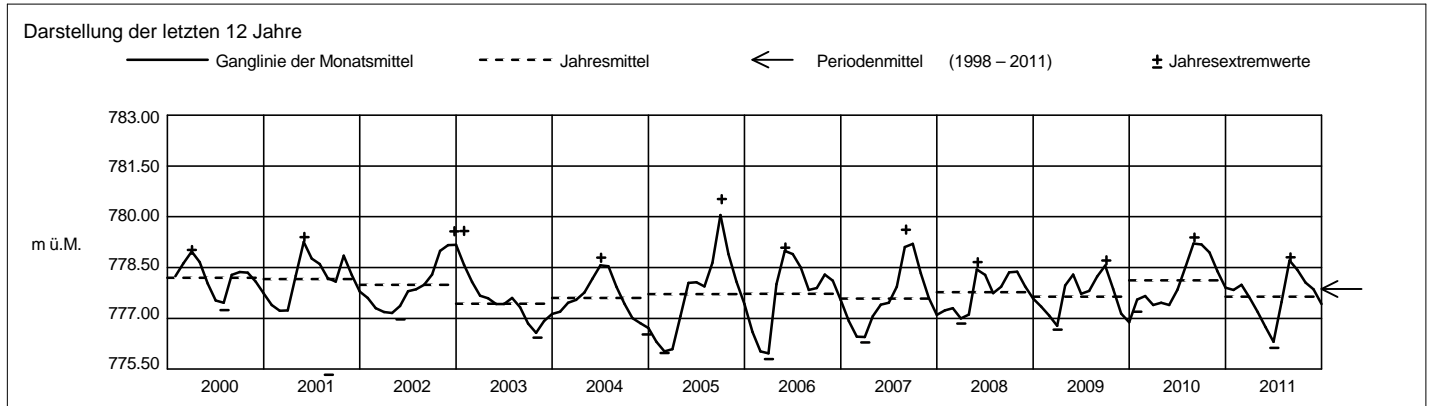
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	777.80	778.00	777.85+	777.38+	776.98+	776.51+	776.14-	778.45-	778.67+	778.18+	777.98+	777.67+	1
	2	777.80	778.00	777.83	777.38+	776.96	776.49	776.19	778.49	778.65	778.17	777.98+	777.66	2
	3	777.79	778.01	777.81	777.36	776.94	776.48	776.28	778.53	778.64	778.16	777.98+	777.64	3
	4	777.80	778.02	777.79	777.35	776.92	776.47	776.39	778.56	778.62	778.15	777.97	777.63	4
	5	777.80	778.02	777.78	777.34	776.91	776.45	776.53	778.59	778.59	778.13	777.96	777.61	5
	6	777.80	778.03	777.76	777.32	776.90	776.44	776.66	778.63	778.58	778.13	777.95	777.59	6
	7	777.79	778.03	777.75	777.31	776.88	776.42	776.78	778.66	778.56	778.11	777.94	777.57	7
	8	777.79	778.03	777.73	777.30	776.87	776.41	776.91	778.68	778.54	778.10	777.93	777.55	8
	9	777.79	778.04+	777.72	777.29	776.85	776.39	777.04	778.70	778.52	778.08	777.92	777.54	9
	10	777.79	778.04+	777.70	777.28	776.83	776.38	777.16	778.72	778.51	778.07	777.92	777.53	10
m ü.M.	11	777.79	778.04+	777.69	777.27	776.82	776.37	777.27	778.74	778.49	778.05	777.91	777.51	11
	12	777.78	778.04+	777.67	777.25	776.81	776.35	777.36	778.76	778.47	778.04	777.89	777.49	12
	13	777.78	778.04+	777.66	777.24	776.79	776.34	777.43	778.77	778.46	778.03	777.89	777.48	13
	14	777.77-	778.03	777.64	777.23	776.78	776.33	777.49	778.78	778.44	778.02	777.88	777.46	14
	15	777.77-	778.03	777.62	777.22	776.76	776.31	777.55	778.78	778.43	778.02	777.87	777.44	15
	16	777.78	778.02	777.61	777.20	776.74	776.30	777.60	778.79+	778.41	778.02	777.86	777.43	16
	17	777.79	778.01	777.59	777.18	776.73	776.29	777.66	778.79+	778.40	778.02	777.85	777.40	17
	18	777.80	778.00	777.57	777.17	776.71	776.27	777.72	778.79+	778.39	778.03	777.84	777.39	18
	19	777.82	777.99	777.56	777.15	776.70	776.26	777.79	778.79+	778.37	778.03	777.83	777.37	19
	20	777.83	777.98	777.54	777.14	776.68	776.25	777.86	778.79+	778.34	778.03	777.82	777.35	20
+ Maximum	21	777.85	777.97	777.53	777.12	776.67	776.23	777.94	778.79+	778.33	778.03	777.81	777.33	21
	22	777.87	777.95	777.51	777.11	776.65	776.22	778.01	778.79+	778.31	778.03	777.79	777.31	22
	23	777.88	777.93	777.50	777.09	776.64	776.21	778.07	778.78	778.30	778.03	777.78	777.30	23
	24	777.90	777.92	777.49	777.08	776.62	776.19	778.12	778.78	778.28	778.03	777.76	777.27	24
	25	777.92	777.91	777.48	777.06	776.61	776.18	778.16	778.77	778.27	778.03	777.75	777.25	25
	26	777.94	777.90	777.46	777.05	776.60	776.17	778.20	778.76	778.25	778.01	777.74	777.24	26
	27	777.95	777.88	777.45	777.03	776.58	776.16	778.23	778.74	778.23	778.01	777.73	777.24	27
	28	777.96	777.86-	777.44	777.02	776.57	776.15	778.27	778.73	778.22	778.00	777.72	777.24	28
	29	777.97		777.42	777.01	776.55	776.14	778.32	778.72	778.21	777.99-	777.70	777.23-	29
	30	777.98		777.41	776.99-	776.54	776.13-	778.36	778.71	778.20-	777.99-	777.68-	777.23-	30
31	777.99+		777.40-		776.52-		778.41+	778.69		777.99-		777.23-	31	
Monatsumme		777.84	777.99	777.61	777.20	776.75	776.31-	777.48	778.71+	778.42	778.06	777.85	777.43	m ü.M.
Spitze Datum		31.	8.	1.	1.	1.	1.	31.	18.	1.	1.	1.	1.	m ü.M.
Amplitude		0.22	0.19-	0.46	0.41	0.47	0.38	2.30+	0.37	0.49	0.20	0.31	0.46	m

Jahr Mittel: 777.64 Spitze: 778.80 (18.08.2011) Minimum: 776.13 (30.06.2011) Amplitude: 2.67



Periode		1998 - 2011 (14 Jahre)												
Monatsumme		777.47	777.31	777.27-	777.71	778.07	778.07	778.10	778.30	778.36+	778.18	777.90	777.61	m ü.M.
Monats-Spitze Jahr		779.58 2003	778.89- 2000	779.02 2000	779.04 2001	780.58 1999	780.62+ 1999	779.79 1999	780.27 2005	780.52 2005	779.42 2005	779.38 2002	779.57 2002	m ü.M.
Monats-Minimum Jahr		776.11 2005	775.86 2006	775.80 2006	776.41 2005	776.51 2011	776.13 2011	776.13 2011	775.33- 2001	776.59 2003	776.43 2003	776.77+ 2003	776.52 2004	m ü.M.
Monats-Amplitude Jahr		1.30 2003	0.57- 2003	0.98 1999	2.39 2006	1.84 1999	0.84 2010	2.30 2011	3.10+ 2001	1.10 2005	0.98 2005	0.73 2001	0.74 2002	m
Periode		Mittel: 777.87 Spitze: 780.62 (02.06.1999) Minimum: 775.33 (03.08.2001) Amplitude: 5.29												



Grundwasserstände



Orpheus Mini

Nr. 2086 Neuheim - Neuhus / Chrützhügel

Koordinaten: 686'376.00 / 229'564.00

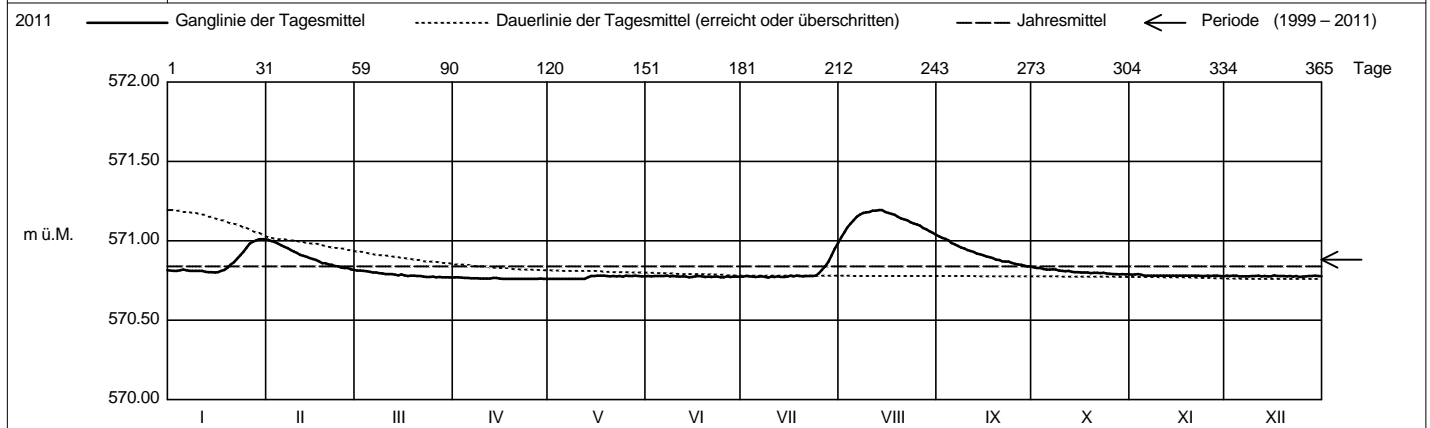
Abstichpunkt: 633.95 m ü.M. OK Terrain: 634.05 m ü.M.

KANTON ZUG

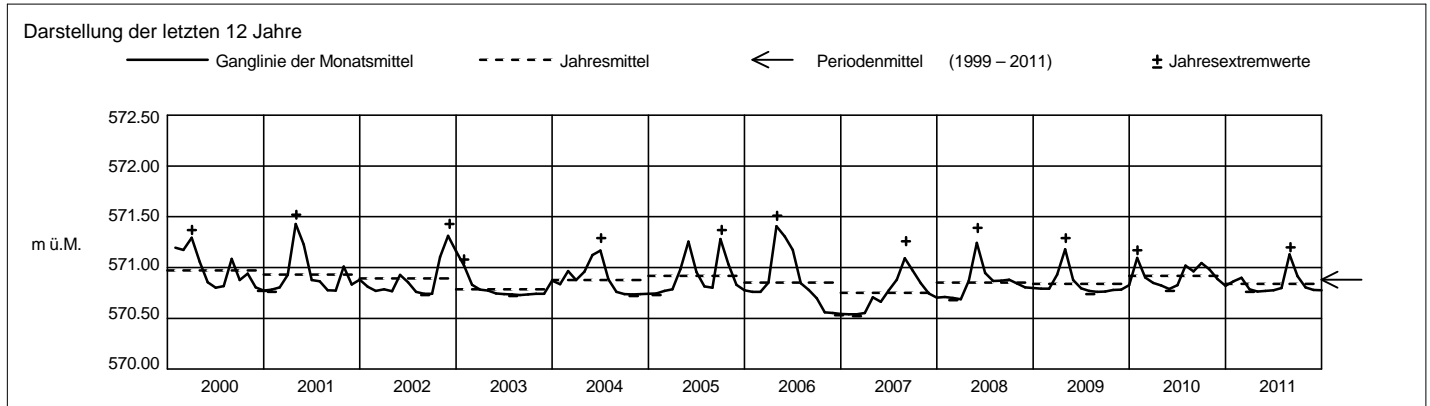
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember			
Tagesmittel	1	570.82	571.01+	570.81+	570.77+	570.76-	570.78+	570.77-	571.02-	571.03+	570.83+	570.79+	570.78+	1		
	2	570.81	571.00	570.81+	570.77+	570.76-	570.78+	570.78	571.05	571.02	570.83+	570.79+	570.78+	2		
	3	570.81	570.99	570.81+	570.77+	570.76-	570.78+	570.78	571.08	571.01	570.83+	570.79+	570.78+	3		
	4	570.82	570.98	570.81+	570.77+	570.76-	570.78+	570.78	571.11	571.00	570.82	570.79+	570.78+	4		
	5	570.82	570.97	570.81+	570.77+	570.76-	570.78+	570.77-	571.13	570.99	570.82	570.78-	570.78+	5		
	6	570.82	570.96	570.80	570.76-	570.76-	570.78+	570.77-	571.15	570.98	570.82	570.78-	570.78+	6		
	7	570.81	570.95	570.80	570.76-	570.76-	570.78+	570.78	571.17	570.97	570.82	570.78-	570.78+	7		
	8	570.81	570.94	570.80	570.77+	570.76-	570.78+	570.77-	571.18	570.96	570.82	570.78-	570.78+	8		
	9	570.81	570.93	570.79	570.76-	570.76-	570.78+	570.77-	571.18	570.95	570.81	570.78-	570.78+	9		
	10	570.81	570.92	570.79	570.76-	570.76-	570.78+	570.77-	571.18	570.94	570.81	570.78-	570.78+	10		
	m ü.M.	11	570.81	570.91	570.79	570.76-	570.76-	570.78+	570.77-	571.19+	570.94	570.81	570.78-	570.78+	11	
		12	570.80-	570.91	570.79	570.76-	570.76-	570.78+	570.78	571.19+	570.93	570.81	570.78-	570.78+	12	
		13	570.80-	570.90	570.79	570.77+	570.77	570.77-	570.77-	571.19+	570.92	570.81	570.78-	570.78+	13	
		14	570.80-	570.89	570.78	570.77+	570.78+	570.77-	570.77-	571.19+	570.91	570.80	570.78-	570.78+	14	
		15	570.80-	570.89	570.79	570.76-	570.78+	570.77-	570.77-	571.18	570.91	570.80	570.78-	570.78+	15	
		16	570.80-	570.88	570.78	570.76-	570.78+	570.78+	570.78	571.18	570.90	570.80	570.78-	570.78+	16	
		17	570.81	570.87	570.78	570.76-	570.78+	570.78+	570.78	571.17	570.90	570.80	570.78-	570.78+	17	
		18	570.82	570.86	570.78	570.76-	570.78+	570.78+	570.78	571.16	570.89	570.80	570.78-	570.78+	18	
		19	570.83	570.86	570.78	570.76-	570.78+	570.77-	570.78	571.15	570.88	570.80	570.78-	570.78+	19	
		20	570.85	570.85	570.78	570.76-	570.78+	570.78+	570.78	571.14	570.88	570.80	570.78-	570.78+	20	
		+ Maximum	21	570.87	570.85	570.78	570.76-	570.78+	570.77-	570.78	571.14	570.87	570.80	570.78-	570.78+	21
	22		570.89	570.84	570.78	570.76-	570.78+	570.77-	570.78	571.13	570.87	570.80	570.78-	570.78+	22	
	23		570.91	570.84	570.77-	570.76-	570.78+	570.77-	570.78	571.12	570.87	570.80	570.78-	570.78+	23	
	24		570.93	570.83	570.77-	570.76-	570.77	570.77-	570.78	571.11	570.86	570.80	570.78-	570.77-	24	
	25		570.96	570.83	570.78	570.76-	570.78+	570.77-	570.80	571.10	570.86	570.79-	570.78-	570.77-	25	
	- Minimum		26	570.98	570.83	570.77-	570.76-	570.78+	570.78+	570.82	571.10	570.85	570.79-	570.78-	570.78+	26
			27	570.99	570.82-	570.77-	570.76-	570.78+	570.77-	570.84	571.08	570.85	570.79-	570.78-	570.78+	27
			28	571.00	570.82-	570.77-	570.76-	570.78+	570.77-	570.87	571.07	570.84-	570.79-	570.78-	570.78+	28
			29	571.01+		570.77-	570.76-	570.78+	570.77-	570.91	571.06	570.84-	570.79-	570.78-	570.78+	29
			30	571.01+		570.77-	570.76-	570.78+	570.77-	570.95	571.05	570.84-	570.79-	570.78-	570.78+	30
			31	571.01+		570.77-	570.76-	570.78+	570.77-	570.99+	571.04	570.84-	570.79-	570.78-	570.78+	31
Monatsumme	570.87	570.90	570.79	570.76-	570.77	570.78	570.80	571.13+	570.92	570.81	570.78	570.78	m ü.M.			
Spitze Datum	571.01 28.	571.01 1.	570.82 1.	570.77- 1.	570.78 13.	570.78 1.	571.00 31.	571.20+ 13.	571.03 1.	570.84 1.	570.79 1.	570.79 16.	m ü.M.			
Amplitude	0.21	0.20	0.06	0.01-	0.02	0.01-	0.24+	0.19	0.20	0.06	0.02	0.03	m			

Jahr Mittel: 570.84 Spitze: 571.20 (13.08.2011) Minimum: 570.76 (31.03.2011) Amplitude: 0.44



Periode		1999 - 2011 (13 Jahre)												
Monatsumme		570.85	570.83	570.89	570.99	571.01+	570.91	570.85	570.87	570.87	570.86	570.82	570.81-	m ü.M.
Monats-Spitze Jahr		571.25 2000	571.36 2000	571.52 1999	571.52 2001	571.59+ 1999	571.56 1999	571.15- 2010	571.26 2007	571.37 2005	571.20 2002	571.43 2002	571.37 2002	m ü.M.
Monats-Minimum Jahr		570.53 2007	570.52- 2007	570.52- 2007	570.61 2007	570.57 2007	570.73+ 2003	570.72 2003	570.72 2003	570.55 2006	570.55 2006	570.54 2006	570.53 2006	m ü.M.
Monats-Amplitude Jahr		0.21- 2011	0.32 2000	0.59 2007	0.65+ 2008	0.61 2001	0.37 2006	0.30 2004	0.39 2007	0.27 2007	0.42 2002	0.29 2002	0.36 2002	m
Periode		Mittel: 570.88		Spitze: 571.59 (29.05.1999)				Minimum: 570.52 (15.02.2007)				Amplitude: 1.07		



Grundwasserstände



Orpheus Mini

Nr. 2089 Neuheim - Hof (SPB 1/99, Sand AG)

Koordinaten: 687'509.00 / 228'231.00

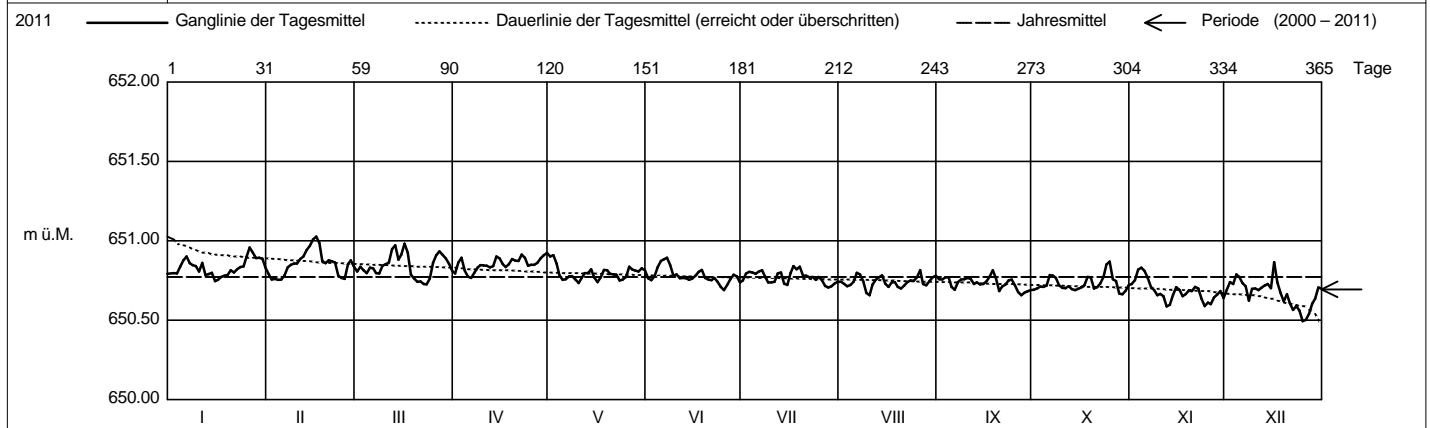
Abstichpunkt: 712.32 m ü.M. OK Terrain: 712.44 m ü.M.

KANTON ZUG

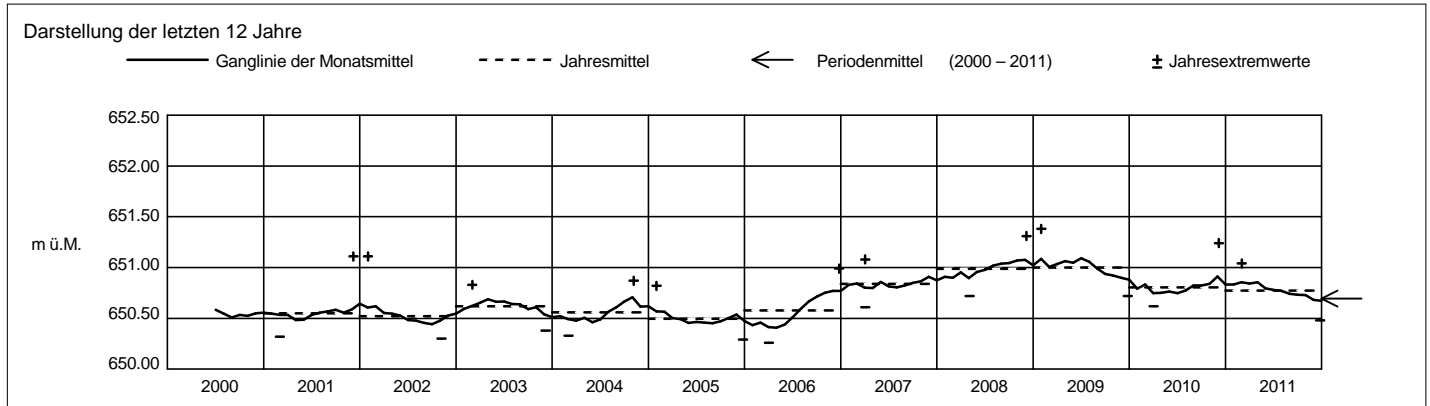
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	650.79	650.79	650.81	650.80	650.90	650.76	650.75	650.74	650.76	650.69	650.73	650.69	1	
	2	650.80	650.76	650.84	650.86	650.91+	650.75	650.80	650.73	650.76	650.70	650.75	650.74	2	
	3	650.79	650.76	650.82	650.89	650.86	650.78	650.80	650.71	650.77	650.71	650.82	650.73	3	
	4	650.84	650.75-	650.80	650.81	650.78	650.83	650.80	650.72	650.77	650.71	650.83+	650.79	4	
	5	650.88	650.76	650.83	650.77-	650.76	650.87	650.79	650.74	650.71	650.72	650.81	650.77	5	
	6	650.90	650.78	650.83	650.77-	650.76	650.88	650.81	650.80	650.69	650.78	650.77	650.73	6	
	7	650.86	650.83	650.80	650.80	650.78	650.89+	650.82	650.79	650.74	650.78	650.71	650.71	7	
	8	650.85	650.85	650.80	650.83	650.78	650.85	650.77	650.75	650.76	650.77	650.69	650.62	8	
	9	650.84	650.86	650.84	650.85	650.76	650.78	650.74	650.67	650.76	650.72	650.66	650.70	9	
	10	650.81	650.86	650.85	650.85	650.73-	650.79	650.74	650.66-	650.77	650.71	650.66	650.70	10	
m ü.M.	11	650.86	650.89	650.86	650.84	650.77	650.76	650.74	650.72	650.76	650.70	650.65	650.69	11	
	12	650.78	650.95	650.83	650.83	650.80	650.77	650.80	650.76	650.73	650.72	650.65	650.71	12	
	13	650.79	650.94	650.97	650.84	650.80	650.77	650.80	650.77	650.74	650.70	650.60	650.72	13	
	14	650.80	650.97	650.88	650.90	650.82	650.76	650.73	650.78	650.73	650.69	650.66	650.73	14	
	15	650.75-	651.01	650.91	650.89	650.77	650.76	650.72	650.73	650.73	650.70	650.71	650.70	15	
	16	650.76	651.03+	650.98+	650.85	650.74	650.78	650.80	650.71	650.74	650.71	650.69	650.87+	16	
	17	650.77	650.99	650.93	650.84	650.77	650.81	650.84+	650.74	650.77	650.72	650.65	650.74	17	
	18	650.78	650.87	650.79	650.85	650.82	650.82	650.82	650.74	650.82+	650.77	650.66	650.67	18	
	19	650.78	650.86	650.76	650.89	650.82	650.77	650.84+	650.71	650.76	650.77	650.69	650.62	19	
	20	650.82	650.88	650.74	650.88	650.79	650.76	650.78	650.70	650.68	650.70	650.68	650.66	20	
+ Maximum	21	650.80	650.87	650.75	650.87	650.79	650.75	650.78	650.72	650.71	650.71	650.71	650.61	21	
	22	650.82	650.86	650.73-	650.91	650.79	650.77	650.77	650.74	650.72	650.73	650.70	650.57	22	
	23	650.84	650.78	650.73-	650.89	650.75	650.74	650.77	650.75	650.75	650.77	650.64	650.59	23	
	24	650.84	650.77	650.76	650.84	650.76	650.71	650.75	650.75	650.76	650.85	650.59-	650.56	24	
	25	650.90	650.76	650.86	650.85	650.77	650.69-	650.77	650.77	650.72	650.87+	650.61	650.49-	25	
	- Minimum	26	650.96+	650.85	650.91	650.85	650.84	650.72	650.75	650.82+	650.68	650.76	650.60	650.50	26
		27	650.93	650.88	650.93	650.86	650.82	650.76	650.72	650.73	650.66-	650.75	650.64	650.54	27
		28	650.89	650.84	650.91	650.89	650.81	650.79	650.71-	650.72	650.67	650.67	650.66	650.61	28
		29	650.89		650.89	650.91	650.81	650.78	650.71-	650.75	650.68	650.66-	650.68	650.64	29
		30	650.89		650.86	650.92+	650.83	650.74	650.73	650.77	650.69	650.69	650.64	650.71	30
31		650.83		650.81		650.82		650.74	650.78	650.78	650.72	650.72	650.70	31	
Monatsumme	650.83	650.85+	650.84	650.85+	650.80	650.78	650.77	650.74	650.73	650.73	650.68	650.67-	m ü.M.		
Spitze Datum	650.97 26.	651.04+ 16.	650.99 13.	650.94 30.	650.93 2.	650.91 7.	650.87 17.	650.85- 26.	650.85- 18.	650.90 25.	650.86 3.	650.96 16.	m ü.M.		
Amplitude	0.24	0.30	0.28	0.19	0.21	0.23	0.17-	0.21	0.20	0.25	0.28	0.48+	m		

Jahr Mittel: 650.77 Spitze: 651.04 (16.02.2011) Minimum: 650.48 (25.12.2011) Amplitude: 0.56



Periode		2000 - 2011 (12 Jahre)												
Monatsumme		650.70	650.70	650.68-	650.68-	650.68-	650.68-	650.69	650.69	650.70	650.71	650.72+	650.70	m ü.M.
Monats-Spitze Jahr		651.38+ 2009	651.20 2009	651.31 2009	651.17 2009	651.16 2009	651.26 2009	651.14- 2009	651.16 2008	651.15 2008	651.27 2008	651.31 2008	651.23 2008	m ü.M.
Monats-Minimum Jahr		650.35 2006	650.32 2001	650.26- 2006	650.34 2006	650.34 2004	650.35 2005	650.38+ 2005	650.37 2002	650.36 2002	650.30 2002	650.38+ 2003	650.29 2005	m ü.M.
Monats-Amplitude Jahr		0.71+ 2002	0.57 2002	0.49 2002	0.35 2008	0.42 2002	0.29 2004	0.31 2004	0.28- 2004	0.42 2004	0.53 2000	0.66 2001	0.66 2001	m
Periode		Mittel: 650.69		Spitze: 651.38 (23.01.2009)				Minimum: 650.26 (12.03.2006)				Amplitude: 1.12		



Grundwasserstände



Orpheus Mini

Nr. 2091 Neuheim - Hoflinde (SPB 2/00, Sand AG)

Koordinaten: 687°541.00 / 227°947.00

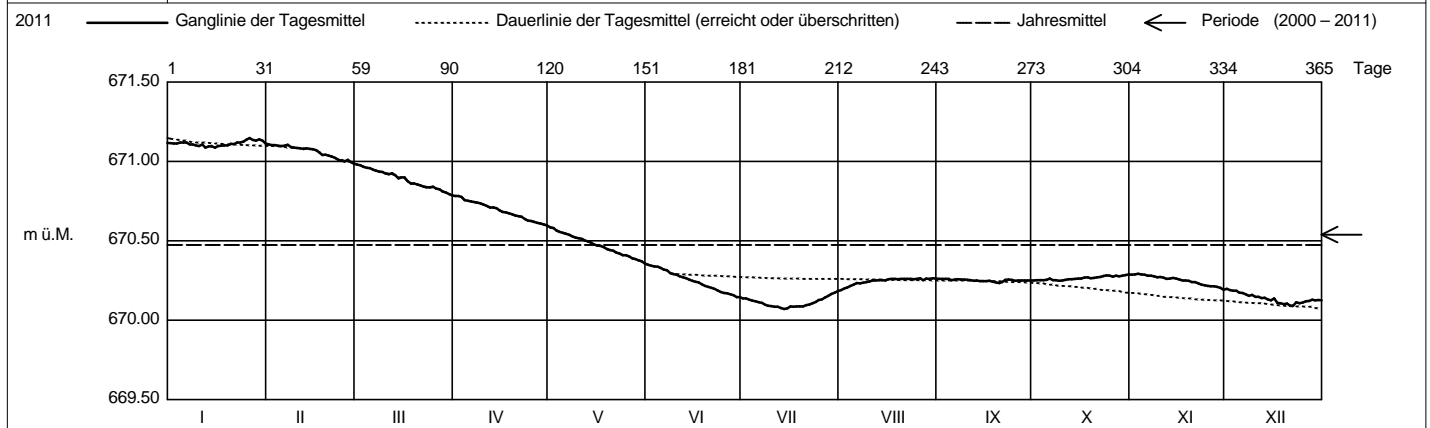
Abstichpunkt: 710.57 m ü.M. OK Terrain: 710.76 m ü.M.

KANTON ZUG

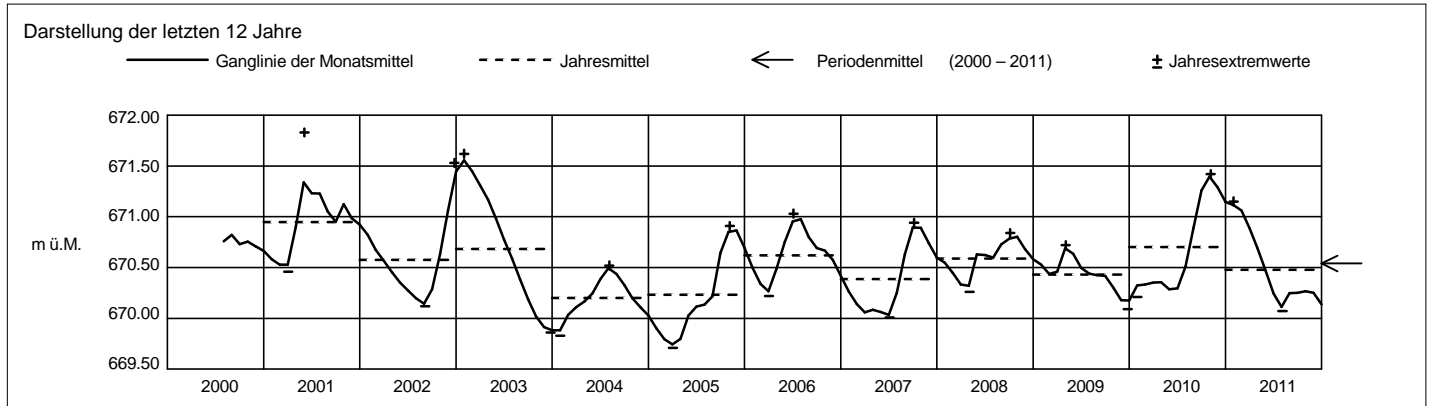
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	671.12	671.11+	670.98+	670.78+	670.59+	670.35+	670.14	670.19-	670.26+	670.25-	670.29+	670.20+	1
	2	671.11	671.10	670.98+	670.78+	670.58	670.34	670.14	670.20	670.26+	670.25-	670.29+	670.19	2
	3	671.11	671.10	670.97	670.78+	670.56	670.34	670.13	670.21	670.26+	670.25-	670.29+	670.19	3
	4	671.12	671.10	670.96	670.76	670.56	670.34	670.12	670.22	670.26+	670.25-	670.29+	670.19	4
	5	671.12	671.10	670.96	670.75	670.55	670.33	670.12	670.22	670.25	670.25-	670.29+	670.17	5
	6	671.12	671.10	670.95	670.75	670.55	670.32	670.11	670.24	670.26+	670.26	670.28	670.17	6
	7	671.11	671.11+	670.94	670.75	670.54	670.31	670.11	670.23	670.26+	670.25-	670.28	670.16	7
	8	671.11	671.09	670.94	670.74	670.53	670.30	670.10	670.24	670.26+	670.25-	670.28	670.15	8
	9	671.10	671.09	670.93	670.74	670.52	670.29	670.09	670.24	670.26+	670.25-	670.27	670.16	9
	10	671.10	671.09	670.93	670.73	670.52	670.29	670.09	670.25	670.25	670.25-	670.27	670.15	10
m ü.M.	11	671.11	671.08	670.92	670.72	670.51	670.28	670.09	670.25	670.25	670.25-	670.27	670.15	11
	12	671.09-	671.08	670.93	670.71	670.50	670.27	670.09	670.25	670.25	670.26	670.26	670.14	12
	13	671.10	671.08	670.91	670.71	670.50	670.26	670.08	670.25	670.25	670.26	670.26	670.14	13
	14	671.10	671.08	670.89	670.71	670.49	670.26	670.07-	670.25	670.25	670.26	670.27	670.13	14
	15	671.09-	671.08	670.90	670.69	670.48	670.25	670.08	670.25	670.25	670.26	670.26	670.13	15
	16	671.10	671.07	670.90	670.68	670.47	670.24	670.09	670.26	670.25	670.26	670.26	670.14	16
	17	671.10	671.06	670.88	670.68	670.47	670.24	670.08	670.26	670.25	670.27	670.25	670.11	17
	18	671.10	671.04	670.86	670.67	670.46	670.23	670.09	670.26	670.24-	670.27	670.25	670.11	18
	19	671.10	671.04	670.86	670.67	670.45	670.22	670.09	670.26	670.24-	670.26	670.25	670.10	19
	20	671.11	671.04	670.86	670.66	670.44	670.21	670.09	670.26	670.24-	670.27	670.24	670.11	20
	+ Maximum	21	671.11	671.03	670.85	670.66	670.44	670.20	670.09	670.26	670.24-	670.27	670.24	670.09-
22		671.12	671.02	670.84	670.65	670.43	670.20	670.10	670.26	670.26+	670.27	670.23	670.09-	22
23		671.12	671.01	670.84	670.64	670.42	670.19	670.11	670.26	670.26+	670.28	670.22	670.11	23
24		671.13	671.01	670.84	670.63	670.41	670.18	670.12	670.26	670.25	670.28	670.22	670.11	24
25		671.14	671.00	670.84	670.63	670.41	670.17	670.13	670.26	670.25	670.28	670.22	670.11	25
26		671.15+	671.01	670.83	670.62	670.40	670.17	670.13	670.26	670.25	670.28	670.21	670.12	26
27		671.14	671.00	670.83	670.61	670.39	670.16	670.14	670.25	670.25	670.28	670.21	670.12	27
28		671.13	670.99-	670.81	670.61	670.39	670.16	670.15	670.26	670.25	670.28	670.21	670.13	28
29		671.14		670.81	670.60-	670.38	670.15-	670.17	670.26	670.25	670.28	670.20	670.13	29
30		671.13		670.80	670.60-	670.37	670.15-	670.17	670.27+	670.25	670.29+	670.19-	670.13	30
31		671.11		670.79-	670.60-	670.36-	670.15-	670.18+	670.26	670.25	670.29+	670.13	670.13	31
Monatsumme	671.11+	671.06	670.89	670.69	670.47	670.25	670.11-	670.25	670.25	670.27	670.25	670.14	m ü.M.	
Spitze Datum	671.15+ 25.	671.12 1.	670.98 1.	670.79 1.	670.59 1.	670.36 1.	670.19- 31.	670.27 25.	670.27 1.	670.29 24.	670.30 3.	670.20 1.	m ü.M.	
Amplitude	0.07	0.14	0.20	0.20	0.25+	0.22	0.12	0.08	0.04-	0.05	0.11	0.11	m	

Jahr Mittel: 670.47 Spitze: 671.15 (25.01.2011) Minimum: 670.07 (13.07.2011) Amplitude: 1.08



Periode		2000 - 2011 (12 Jahre)												
Monatsumme		670.55	670.47	670.42-	670.46	670.53	670.49	670.51	670.56	670.62	670.66+	670.61	670.56	m ü.M.
Monats-Spitze Jahr		671.62 2003	671.57 2003	671.41 2003	671.28 2003	671.83+ 2001	671.27 2001	671.30 2001	671.15- 2001	671.36 2010	671.42 2010	671.39 2009	671.53 2002	m ü.M.
Monats-Minimum Jahr		669.83 2004	669.75 2005	669.71- 2005	669.74 2005	669.91 2005	670.01 2007	670.07 2011	670.12+ 2002	670.10 2003	669.94 2003	669.87 2003	669.86 2003	m ü.M.
Monats-Amplitude Jahr		0.20- 2006	0.22 2003	0.27 2001	0.57 2001	0.73+ 2001	0.23 2004	0.34 2007	0.47 2010	0.35 2005	0.38 2002	0.53 2002	0.21 2002	m
Periode		Mittel: 670.54			Spitze: 671.83 (29.05.2001)			Minimum: 669.71 (15.03.2005)			Amplitude: 2.12			



Grundwasserstände



Orpheus Mini

Nr. 2178 Menzingen - Schurtannen

Koordinaten: 687'442 / 224'282

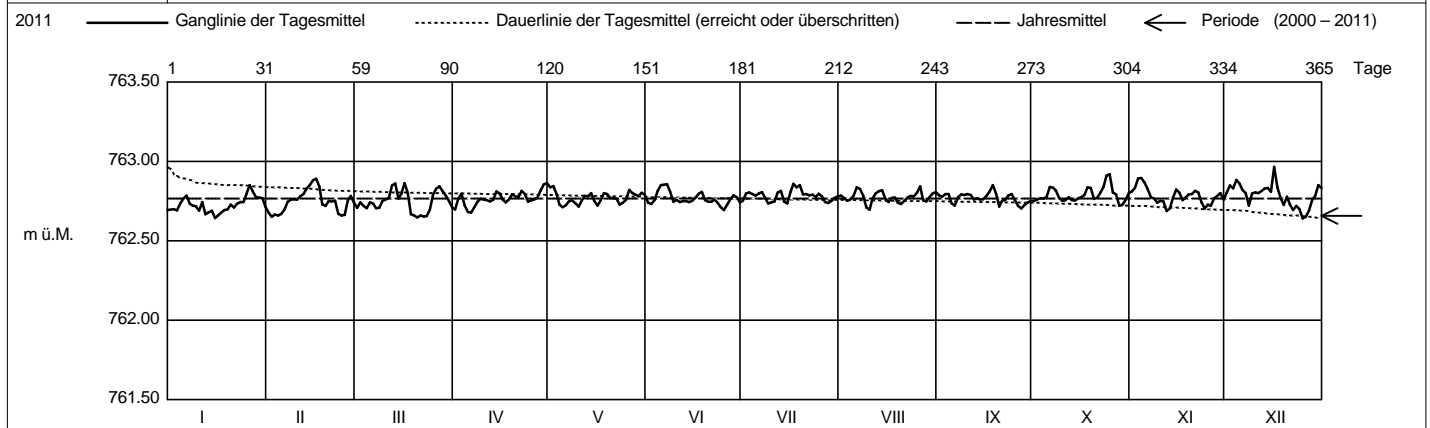
Abstichpunkt: 839.325 m ü.M. OK Terrain: 839.46 m ü.M.

KANTON ZUG

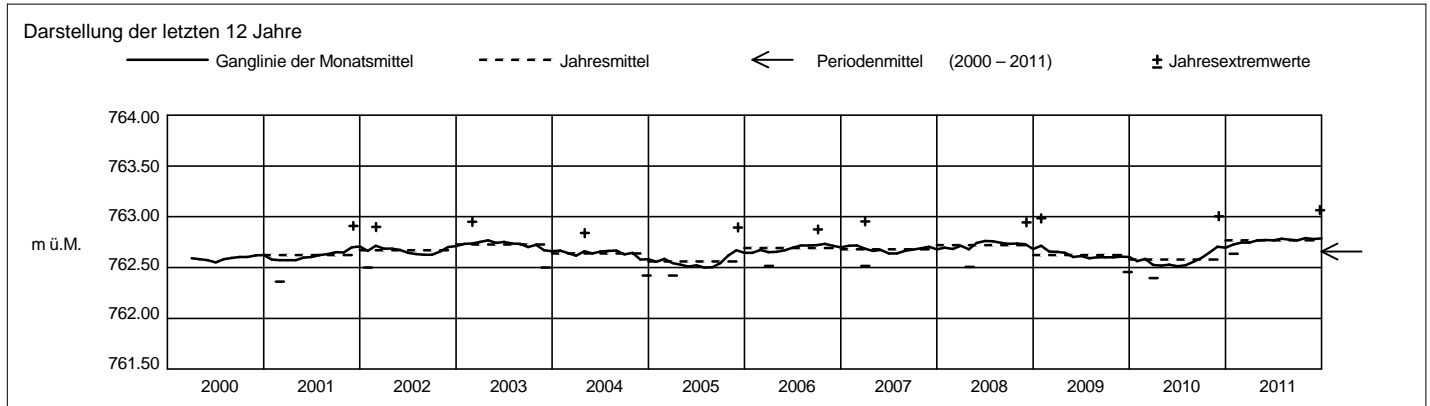
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	762.70	762.68	762.71	762.70	762.84	762.74	762.75	762.78	762.79	762.75	762.81	762.80	1
	2	762.70	762.65-	762.74	762.77	762.85+	762.73	762.80	762.77	762.78	762.76	762.83	762.85	2
	3	762.69	762.67	762.72	762.80	762.80	762.76	762.81	762.75	762.79	762.77	762.89	762.83	3
	4	762.74	762.66	762.71	762.72	762.73	762.81	762.80	762.76	762.80	762.77	762.90+	762.88	4
	5	762.77	762.67	762.74	762.68-	762.71-	762.85	762.79	762.79	762.74	762.78	762.87	762.86	5
	6	762.78	762.70	762.73	762.68-	762.72	762.85	762.80	762.84+	762.72	762.84	762.83	762.82	6
	7	762.74	762.75	762.71	762.71	762.75	762.86+	762.81	762.83	762.77	762.84	762.78	762.80	7
	8	762.72	762.76	762.71	762.75	762.76	762.81	762.77	762.81	762.79	762.82	762.77	762.72	8
	9	762.72	762.76	762.75	762.77	762.74	762.75	762.74-	762.71	762.79	762.77	762.74	762.80	9
	10	762.69	762.76	762.76	762.76	762.72	762.76	762.74-	762.70-	762.80	762.75	762.75	762.81	10
m ü.M.	11	762.75	762.78	762.77	762.76	762.76	762.74	762.75	762.77	762.79	762.76	762.75	762.80	11
	12	762.67	762.79	762.85	762.75	762.78	762.75	762.80	762.80	762.76	762.76	762.69-	762.81	12
	13	762.68	762.83	762.86+	762.76	762.78	762.75	762.82	762.81	762.77	762.76	762.71	762.83	13
	14	762.69	762.85	762.77	762.81	762.80	762.74	762.75	762.82	762.76	762.76	762.77	762.83	14
	15	762.64-	762.88	762.80	762.80	762.75	762.75	762.74-	762.77	762.76	762.77	762.82	762.81	15
	16	762.66	762.89+	762.86+	762.76	762.72	762.77	762.81	762.74	762.78	762.77	762.80	762.97+	16
	17	762.68	762.84	762.80	762.74	762.76	762.80	762.86+	762.81	762.79	762.79	762.76	762.84	17
	18	762.69	762.73	762.67	762.76	762.80	762.81	762.84	762.77	762.85+	762.84	762.77	762.77	18
	19	762.70	762.72	762.66	762.79	762.80	762.76	762.85	762.74	762.80	762.83	762.79	762.73	19
	20	762.73	762.75	762.65-	762.78	762.77	762.75	762.79	762.73	762.72	762.77	762.79	762.78	20
+ Maximum	21	762.71	762.75	762.66	762.78	762.77	762.75	762.80	762.75	762.75	762.77	762.82	762.73	21
	22	762.74	762.75	762.65-	762.82	762.77	762.76	762.79	762.77	762.76	762.80	762.80	762.70	22
	23	762.74	762.67	762.66	762.80	762.73	762.74	762.79	762.78	762.79	762.84	762.74	762.72	23
	24	762.74	762.66	762.70	762.75	762.74	762.71	762.78	762.78	762.80	762.91	762.70	762.70	24
	25	762.79	762.66	762.79	762.76	762.76	762.69-	762.80	762.80	762.76	762.92+	762.73	762.64-	25
	26	762.85+	762.76	762.83	762.76	762.82	762.73	762.78	762.84+	762.72	762.80	762.72	762.65	26
	27	762.81	762.78	762.84	762.77	762.80	762.76	762.75	762.76	762.70-	762.79	762.77	762.69	27
	28	762.77	762.74	762.81	762.82	762.79	762.79	762.74-	762.75	762.73	762.72-	762.78	762.76	28
	29	762.77		762.79	762.86+	762.78	762.78	762.75	762.77	762.74	762.73	762.80	762.78	29
	30	762.77		762.75	762.86+	762.80	762.74	762.77	762.80	762.75	762.76	762.76	762.85	30
31	762.71		762.71		762.79		762.78		762.81		762.80	762.83	31	
Monatsumme		762.73-	762.75	762.75	762.77	762.77	762.77	762.78	762.78	762.77	762.79+	762.78	762.79+	m ü.M.
Spitze Datum		762.87- 26.	762.91 16.	762.88 12.	762.88 30.	762.87- 2.	762.88 6.	762.90 17.	762.88 26.	762.89 18.	762.96 25.	762.93 3.	763.07+ 16.	m ü.M.
Amplitude		0.23	0.27	0.24	0.21	0.16-	0.19	0.18	0.20	0.20	0.25	0.25	0.43+	m

Jahr Mittel: 762.77 Spitze: 763.07 (16.12.2011) Minimum: 762.64 (15.01.2011) Amplitude: 0.43



Periode		2000 - 2011 (12 Jahre)												
Monatsumme		762.66	762.67	762.65	762.64-	762.64-	762.64-	762.65	762.65	762.65	762.67	762.68+	762.67	m ü.M.
Monats-Spitze Jahr		762.99 2009	762.95 2003	762.96 2007	762.92 2003	762.87- 2011	762.88 2011	762.90 2011	762.88 2011	762.89 2011	762.96 2011	763.01 2010	763.07+ 2011	m ü.M.
Monats-Minimum Jahr		762.43 2010	762.36- 2001	762.40 2010	762.40 2000	762.41 2010	762.42 2005	762.42 2005	762.43 2005	762.45 2005	762.48+ 2000	762.45 2000	762.42 2004	m ü.M.
Monats-Amplitude Jahr		0.42 2010	0.39 2001	0.44 2007	0.35 2000	0.29 2004	0.26 2002	0.21- 2001	0.23 2007	0.25 2000	0.35 2000	0.48+ 2010	0.45 2010	m
Periode		Mittel: 762.66		Spitze: 763.07 (16.12.2011)				Minimum: 762.36 (11.02.2001)				Amplitude: 0.71		



Grundwasserstände



Orpheus Mini

Nr. 2207 Menzingen - Winzwilen

Koordinaten: 687'792 / 226'997

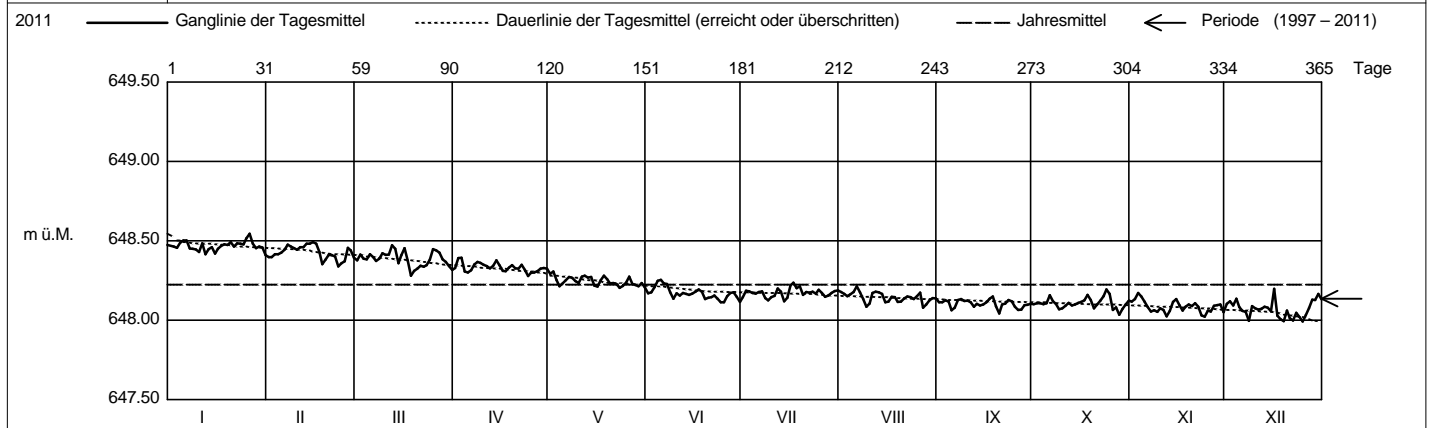
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

KANTON ZUG

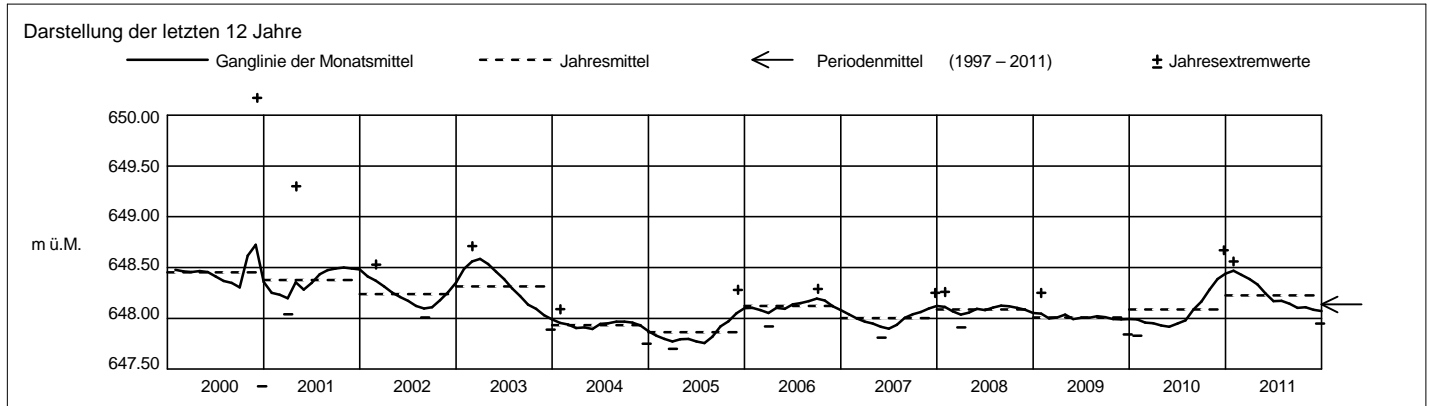
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	648.47	648.40	648.38	648.33	648.29	648.17	648.15	648.18	648.11	648.10	648.12	648.10	1
	2	648.46	648.40	648.41	648.39+	648.31+	648.18	648.19	648.17	648.11	648.11	648.13	648.12	2
	3	648.46	648.42	648.39	648.39+	648.25	648.21	648.18	648.15	648.13	648.11	648.17+	648.09	3
	4	648.49	648.42	648.38	648.31	648.21	648.25+	648.17	648.16	648.12	648.10	648.15	648.14	4
	5	648.50	648.43	648.42	648.30	648.23	648.25+	648.17	648.18	648.06	648.11	648.12	648.08	5
	6	648.50	648.45	648.40	648.32	648.25	648.23	648.18	648.22+	648.08	648.16	648.08	648.06	6
	7	648.45	648.48	648.37	648.35	648.27	648.23	648.18	648.18	648.13	648.12	648.06	648.05	7
	8	648.45	648.46	648.39	648.37	648.27	648.18	648.14	648.13	648.13	648.10	648.06	648.00	8
	9	648.45	648.45	648.42	648.36	648.25	648.14	648.13	648.09	648.12	648.07	648.05	648.09	9
	10	648.43	648.45	648.41	648.35	648.24	648.17	648.15	648.11	648.12	648.08	648.07	648.07	10
m ü.M.	11	648.49	648.46	648.41	648.34	648.27	648.16	648.15	648.17	648.11	648.09	648.07	648.07	11
	12	648.41-	648.46	648.47+	648.33	648.28	648.17	648.20	648.18	648.09	648.11	648.03	648.07	12
	13	648.45	648.48	648.45	648.34	648.27	648.16	648.18	648.18	648.10	648.09	648.06	648.09	13
	14	648.46	648.48	648.36	648.38	648.27	648.16	648.12-	648.17	648.09	648.10	648.12	648.08	14
	15	648.42	648.49+	648.41	648.35	648.22	648.17	648.14	648.11	648.10	648.11	648.13	648.06	15
	16	648.45	648.48	648.46	648.31	648.21	648.18	648.22	648.12	648.11	648.12	648.09	648.20+	16
	17	648.47	648.43	648.38	648.31	648.25	648.19	648.24+	648.15	648.14	648.13	648.06	648.03	17
	18	648.48	648.35	648.28-	648.33	648.28	648.18	648.20	648.15	648.15+	648.16	648.09	648.01	18
	19	648.47	648.38	648.31	648.35	648.26	648.13	648.21	648.12	648.09	648.13	648.10	647.99-	19
	20	648.49	648.41	648.33	648.33	648.23	648.14	648.16	648.12	648.04-	648.07	648.09	648.06	20
+ Maximum	21	648.47	648.41	648.34	648.32	648.24	648.15	648.18	648.14	648.10	648.10	648.11	648.01	21
	22	648.49	648.40	648.34	648.35	648.23	648.16	648.17	648.15	648.10	648.12	648.09	648.00	22
	23	648.48	648.34-	648.35	648.32	648.20-	648.14	648.18	648.15	648.13	648.15	648.03	648.05	23
	24	648.48	648.36	648.38	648.28-	648.22	648.11-	648.17	648.13	648.12	648.19+	648.02-	648.02	24
	25	648.52	648.37	648.45	648.30	648.24	648.11-	648.19	648.15	648.09	648.17	648.06	647.99-	25
	26	648.54+	648.46	648.44	648.30	648.27	648.15	648.17	648.17	648.07	648.06	648.06	648.03	26
	27	648.48	648.44	648.43	648.31	648.23	648.17	648.15	648.08-	648.07	648.08	648.09	648.08	27
	28	648.45	648.39	648.38	648.33	648.22	648.18	648.16	648.10	648.10	648.03-	648.09	648.13	28
	29	648.47		648.37	648.33	648.21	648.15	648.17	648.13	648.10	648.10	648.10	648.13	29
	30	648.46		648.34	648.33	648.24	648.12	648.18	648.14	648.10	648.07	648.05	648.16	30
31	648.41-		648.32	648.33	648.21	648.12	648.19	648.14	648.12	648.12	648.12	648.13	31	
Monatsmittel		648.47+	648.43	648.39	648.33	648.25	648.17	648.17	648.14	648.10	648.11	648.08	648.07-	m ü.M.
Spitze Datum		648.56+ 26.	648.51 15.	648.49 12.	648.41 2.	648.33 2.	648.27 4.	648.28 17.	648.23 6.	648.20 18.	648.21 24.	648.19- 3.	648.30 16.	m ü.M.
Amplitude		0.16	0.19	0.23	0.15-	0.18	0.17	0.17	0.18	0.18	0.18	0.19	0.35+	m

Jahr Mittel: 648.22 Spitze: 648.56 (26.01.2011) Minimum: 647.95 (08.12.2011) Amplitude: 0.61



Periode		1997 - 2011 (15 Jahre)												
Monatsmittel		648.13	648.11	648.10-	648.13	648.11	648.11	648.13	648.15	648.16	648.18+	648.18+	648.14	m ü.M.
Monats-Spitze Jahr		648.70 2003	648.71 2003	648.64 2003	649.30 2001	648.55 2003	648.53- 1999	648.70 1999	648.81 1999	648.86 1999	649.49 2000	650.17+ 2000	649.36 2000	m ü.M.
Monats-Minimum Jahr		647.73 2005	647.73 2005	647.70 2005	647.71 2005	647.72 2005	647.70 2005	647.70 2005	647.71 2005	647.82+ 1998	647.82+ 1997	647.38 2000	647.33- 2000	m ü.M.
Monats-Amplitude Jahr		0.35 2010	0.29 1997	0.34 2008	1.17 2001	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23- 2000	1.27 2000	2.79+ 2000	2.03 2000	m
Periode		Mittel: 648.14		Spitze: 650.17 (12.11.2000)			Minimum: 647.33 (31.12.2000)			Amplitude: 2.84				



Grundwasserstände



Orpheus Mini

Nr. 2338 Menzingen - KIBAG 6 / Wösch

Koordinaten: 686'057 / 225'657

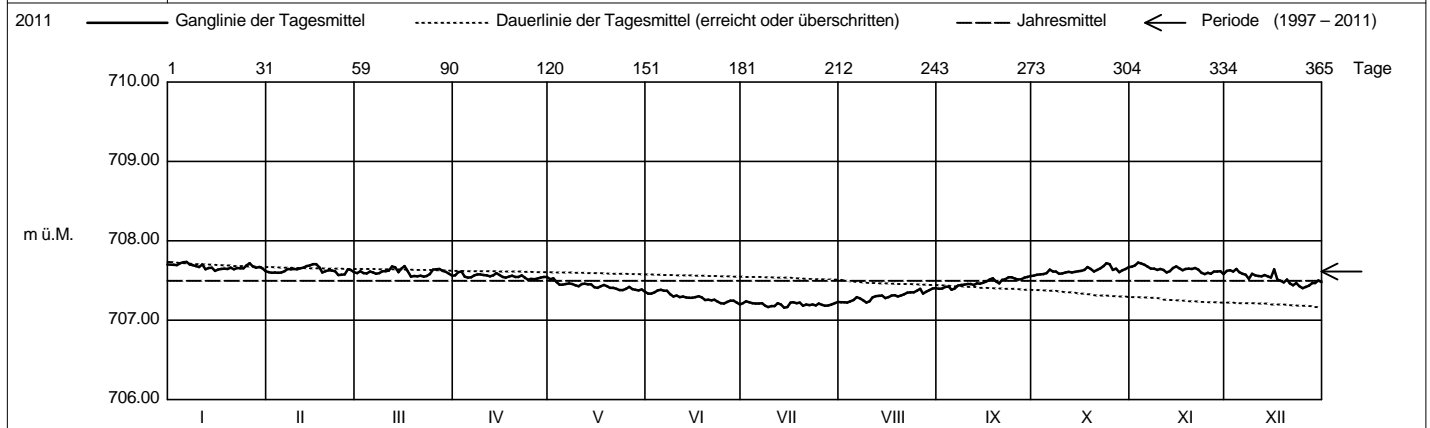
Abstichpunkt: 768.84 m ü.M. OK Terrain: 768.84 m ü.M.

KANTON ZUG

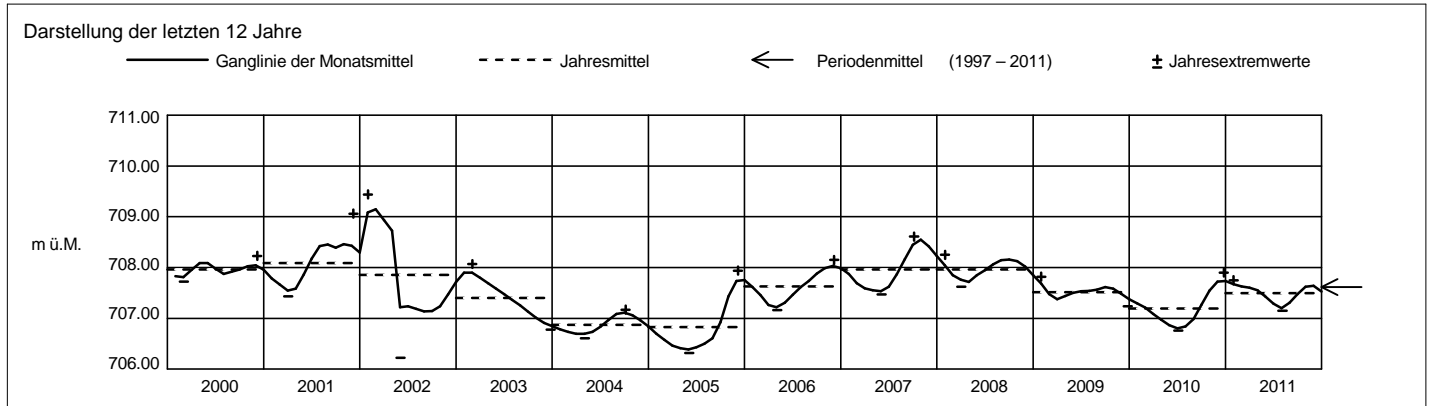
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	707.70	707.61	707.59	707.57	707.52	707.34	707.22	707.23	707.40	707.56-	707.67	707.62	1
	2	707.70	707.60	707.62	707.61+	707.53+	707.34	707.24+	707.23	707.40	707.57	707.69	707.63	2
	3	707.70	707.60	707.60	707.61+	707.48	707.35	707.23	707.22-	707.42	707.58	707.73+	707.61	3
	4	707.72	707.60	707.59	707.55	707.45	707.38+	707.22	707.24	707.42	707.58	707.71	707.65+	4
	5	707.73+	707.60	707.61	707.54	707.45	707.38+	707.21	707.26	707.38-	707.59	707.70	707.61	5
	6	707.73+	707.62	707.60	707.54	707.46	707.37	707.21	707.29	707.40	707.64	707.68	707.59	6
	7	707.70	707.65	707.58	707.56	707.47	707.37	707.22	707.27	707.44	707.61	707.65	707.57	7
	8	707.70	707.64	707.59	707.58	707.46	707.33	707.18	707.25	707.44	707.61	707.65	707.52	8
	9	707.68	707.65	707.62	707.58	707.44	707.30	707.17	707.22-	707.45	707.59	707.63	707.58	9
	10	707.67	707.64	707.62	707.57	707.43	707.31	707.18	707.24	707.46	707.59	707.65	707.57	10
m ü.M.	11	707.70	707.66	707.63	707.57	707.46	707.29	707.18	707.29	707.46	707.60	707.63	707.56	11
	12	707.64	707.66	707.68+	707.55	707.46	707.30	707.22	707.30	707.44	707.61	707.60	707.55	12
	13	707.66	707.68	707.67	707.56	707.45	707.29	707.20	707.31	707.46	707.60	707.62	707.57	13
	14	707.66	707.69	707.61	707.59	707.45	707.28	707.16-	707.31	707.46	707.61	707.66	707.55	14
	15	707.62-	707.71+	707.65	707.57	707.41	707.29	707.17	707.28	707.47	707.62	707.68	707.54	15
	16	707.64	707.71+	707.68+	707.54	707.41	707.29	707.22	707.29	707.49	707.62	707.66	707.64	16
	17	707.64	707.67	707.62	707.54	707.43	707.30	707.23	707.31	707.51	707.63	707.60	707.52	17
	18	707.65	707.60	707.55-	707.55	707.44	707.29	707.21	707.32	707.53	707.67	707.64	707.50	18
	19	707.65	707.62	707.56	707.56	707.43	707.25	707.22	707.30	707.49	707.65	707.65	707.48	19
	20	707.66	707.63	707.56	707.55	707.41	707.26	707.18	707.31	707.46	707.61	707.65	707.51	20
+ Maximum	21	707.64	707.63	707.56	707.55	707.41	707.25	707.20	707.33	707.51	707.63	707.66	707.47	21
	22	707.66	707.62	707.55-	707.57	707.40	707.26	707.19	707.35	707.52	707.65	707.64	707.44	22
	23	707.66	707.57-	707.56	707.54	707.38	707.24	707.20	707.35	707.54	707.68	707.60	707.47	23
	24	707.66	707.57-	707.58	707.51-	707.38	707.22	707.19	707.35	707.54	707.72+	707.58-	707.43	24
	25	707.69	707.58	707.64	707.52	707.40	707.21	707.21	707.37	707.52	707.71	707.60	707.41-	25
	26	707.72	707.64	707.64	707.52	707.42	707.23	707.20	707.40+	707.51	707.64	707.59	707.42	26
	27	707.68	707.63	707.65	707.52	707.39	707.25	707.18	707.34	707.52	707.65	707.61	707.44	27
	28	707.66	707.61	707.62	707.54	707.39	707.25	707.19	707.36	707.54	707.61	707.62	707.47	28
	29	707.67		707.61	707.54	707.37	707.22	707.20	707.38	707.55	707.63	707.62	707.47	29
	30	707.66		707.59	707.54	707.39	707.20-	707.22	707.40+	707.56+	707.65	707.58-	707.50	30
31	707.62-		707.56		707.36-		707.23	707.40+		707.67		707.48	31	
Monatsumme	707.67+	707.63	707.61	707.55	707.43	707.29	707.20-	707.31	707.48	707.63	707.64	707.53	m ü.M.	
Spitze Datum	707.75+ 6.	707.72 15.	707.70 16.	707.63 3.	707.54 2.	707.40 5.	707.26- 17.	707.42 26.	707.57 18.	707.74 24.	707.75+ 3.	707.73 16.	m ü.M.	
Amplitude	0.15	0.17	0.17	0.13	0.23	0.21	0.11-	0.21	0.21	0.19	0.19	0.34+	m	

Jahr Mittel: 707.50 Spitze: 707.75 (06.01.2011) Minimum: 707.15 (09.07.2011) Amplitude: 0.60



Periode		1997 - 2011 (15 Jahre)												
Monatsumme		707.69	707.61	707.54	707.53	707.45-	707.50	707.58	707.65	707.67	707.71	707.75+	707.69	m ü.M.
Monats-Spitze Jahr		709.44 2002	709.33 2002	709.10 2002	709.02 2002	708.75 1999	709.28 1999	709.53 1999	709.59+ 1999	709.38 1999	708.60- 2007	709.06 2001	708.91 2001	m ü.M.
Monats-Minimum Jahr		706.57 2005	706.48 2005	706.39 2005	706.34 2005	706.22- 2002	706.36 2005	706.41 2005	706.51 2005	706.69 2005	706.91+ 2003	706.84 2003	706.69 2004	m ü.M.
Monats-Amplitude Jahr		1.12 2002	0.43 2002	0.39 2002	1.62+ 2002	1.50 2002	0.53 1999	0.32- 1999	0.37 2007	0.49 2005	0.48 2005	0.78 2001	0.70 2001	m
Periode		Mittel: 707.61		Spitze: 709.59 (10.08.1999)				Minimum: 706.22 (18.05.2002)				Amplitude: 3.37		



Grundwasserstände



Orpheus Mini

Nr. 3161 Hünenberg - Drälikon

Koordinaten: 673'698 / 225'948

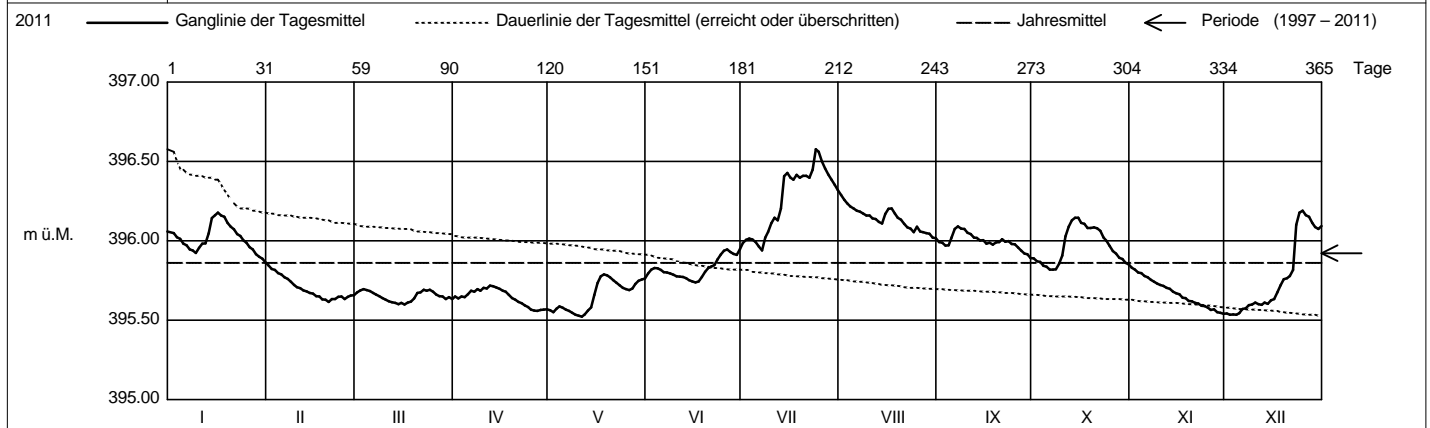
Abstichpunkt: 398.57 m ü.M. OK Terrain: 398.13 m ü.M.

KANTON ZUG

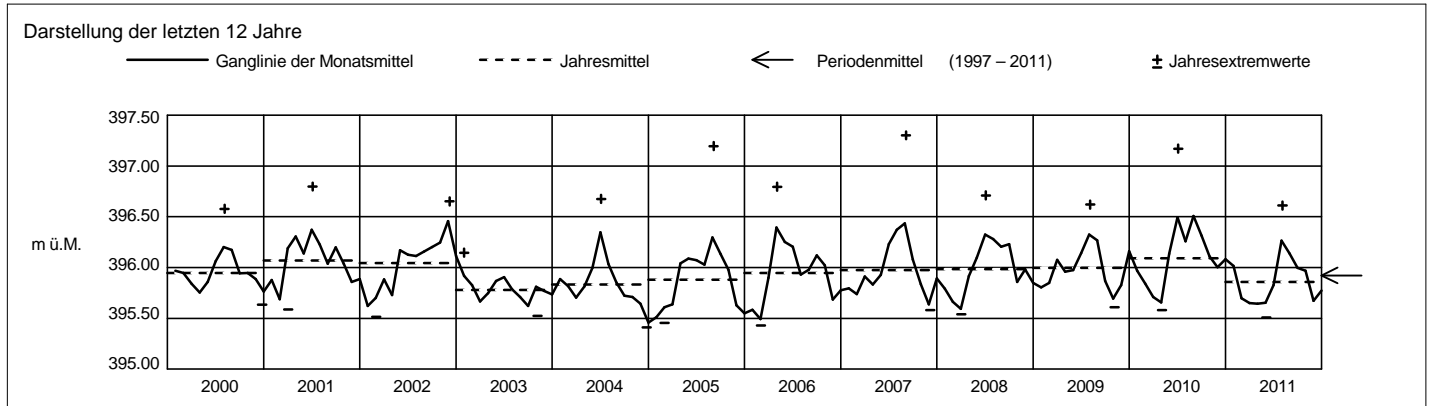
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	396.06	395.84+	395.68	395.65	395.56	395.80	395.99	396.29+	395.99	395.89	395.83+	395.54	1
	2	396.05	395.82	395.69	395.64	395.55	395.82	396.01	396.26	395.99	395.87	395.82	395.54	2
	3	396.02	395.82	395.70+	395.65	395.57	395.83	396.01	396.24	395.97	395.87	395.80	395.54	3
	4	396.01	395.80	395.69	395.65	395.59	395.83	396.01	396.22	395.97	395.84	395.80	395.53-	4
	5	395.98	395.79	395.68	395.66	395.58	395.82	395.99	396.21	396.02	395.84	395.78	395.54	5
	6	395.97	395.77	395.67	395.69	395.57	395.80	395.96	396.19	396.07	395.82-	395.77	395.57	6
	7	395.95	395.76	395.66	395.68	395.56	395.80	395.94-	396.18	396.09+	395.82-	395.75	395.58	7
	8	395.94	395.74	395.65	395.70	395.55	395.80	396.02	396.17	396.08	395.82-	395.74	395.59	8
	9	395.92	395.72	395.64	395.69	395.54	395.79	396.06	396.16	396.08	395.86	395.73	395.60	9
	10	395.96	395.71	395.63	395.70	395.53	395.78	396.11	396.16	396.05	395.91	395.72	395.61	10
m ü.M.	11	395.98	395.70	395.62	395.70	395.52-	395.77	396.15	396.14	396.04	396.03	395.72	395.60	11
	12	395.99	395.69	395.61	395.72+	395.54	395.77	396.13	396.14	396.02	396.09	395.70	395.60	12
	13	396.05	395.68	395.61	395.71	395.56	395.76	396.21	396.12	396.02	396.13	395.70	395.61	13
	14	396.14	395.67	395.60-	395.71	395.58	395.75	396.41	396.11	396.00	396.15+	395.68	395.60	14
	15	396.16	395.67	395.61	395.70	395.66	395.74-	396.43	396.17	396.01	396.15+	395.67	395.63	15
	16	396.18+	395.65	395.60-	395.69	395.73	395.74-	396.40	396.20	395.98	396.11	395.66	395.63	16
	17	396.16	395.65	395.61	395.68	395.78	395.75	396.39	396.20	395.99	396.11	395.64	395.68	17
	18	396.15	395.63	395.62	395.66	395.79+	395.77	396.42	396.17	395.98	396.08	395.64	395.72	18
	19	396.11	395.63	395.64	395.64	395.78	395.81	396.40	396.15	395.99	396.08	395.62	395.76	19
	20	396.09	395.62-	395.67	395.63	395.77	395.83	396.41	396.13	395.99	396.09	395.62	395.76	20
+ Maximum	21	396.07	395.63	395.68	395.62	395.75	395.84	396.41	396.11	396.01	396.08	395.61	395.78	21
	22	396.04	395.63	395.69	395.61	395.74	395.85	396.40	396.09	396.00	396.06	395.61	395.82	22
	23	396.03	395.65	395.69	395.59	395.72	395.88	396.45	396.08	396.00	396.02	395.59	396.10	23
	24	396.00	395.65	395.69	395.58	395.70	395.91	396.58+	396.05	395.98	396.00	395.59	396.18	24
	25	395.99	395.63	395.68	395.57	395.70	395.94	396.56	396.09	395.98	395.97	395.58	396.19+	25
	26	395.96	395.65	395.66	395.56-	395.69	395.95+	396.50	396.06	395.96	395.94	395.57	396.16	26
	27	395.95	395.66	395.65	395.56-	395.70	395.93	396.46	396.06	395.94	395.92	395.57	396.15	27
	28	395.92	395.66	395.65	395.57	395.73	395.92	396.42	396.05	395.92	395.89	395.55	396.11	28
	29	395.90		395.63	395.57	395.75	395.91	396.39	396.04	395.92	395.89	395.55	396.09	29
	30	395.89		395.65	395.57	395.76	395.95+	396.35	396.02-	395.89-	395.86	395.54-	396.08	30
31	395.86-		395.63	395.57	395.76	395.95+	396.32	396.02-	395.89-	395.85	395.54-	396.09	31	
Monatsumme		396.02	395.70	395.65	395.64-	395.65	395.83	396.27+	396.14	396.00	395.97	395.67	395.77	m ü.M.
Spitze Datum		396.18 16.	395.85 1.	395.70- 2.	395.72 12.	395.80 18.	395.97 30.	396.61+ 24.	396.30 1.	396.10 7.	396.15 14.	395.84 1.	396.19 24.	m ü.M.
Amplitude		0.32	0.24	0.11-	0.17	0.29	0.24	0.67+	0.29	0.21	0.34	0.30	0.67+	m

Jahr Mittel: 395.86 Spitze: 396.61 (24.07.2011) Minimum: 395.51 (11.05.2011) Amplitude: 1.10



Periode 1997 - 2011 (15 Jahre)														
Monatsumme		395.77	395.72-	395.80	395.85	395.99	396.14+	396.13	396.09	396.00	395.90	395.83	395.82	m ü.M.
Monats-Spitze Jahr		396.45 2000	396.62 1999	396.59 2001	396.79 2006	397.16 1999	397.17 2010	396.75 2010	397.30+ 2007	396.64 2008	396.40- 2002	396.65 2005	396.60 1999	m ü.M.
Monats-Minimum Jahr		395.35 1999	395.43 2006	395.50 1997	395.33 1997	395.40 1997	395.48 1998	395.69+ 1998	395.55 1998	395.53 2003	395.43 1997	395.29 1997	395.27- 1997	m ü.M.
Monats-Amplitude Jahr		0.74 2000	1.08 1999	1.01 2001	0.86 2008	1.15 1999	0.86 2010	0.67 2011	1.28+ 2005	0.65 2002	0.55- 2006	0.66 1998	0.78 1999	m
Periode		Mittel: 395.92		Spitze: 397.30 (09.08.2007)			Minimum: 395.27 (11.12.1997)			Amplitude: 2.03				



Grundwasserstände



Orpheus

Nr. 3215 Hünenberg - Reusspitz

Koordinaten: 673'688 / 231'941

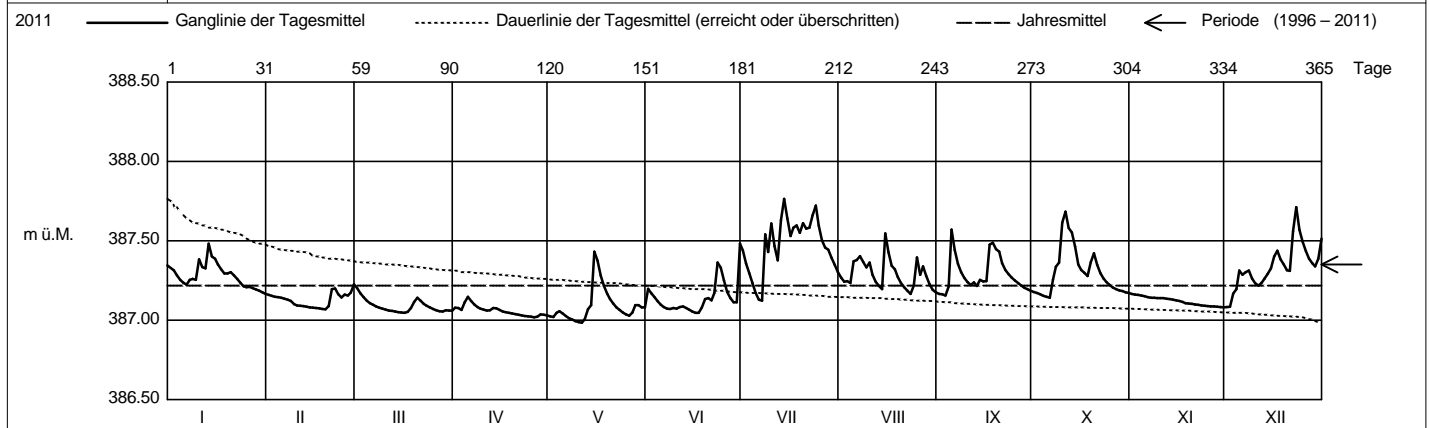
Abstichpunkt: 388.915 m ü.M. OK Terrain: 387.94 m ü.M.

KANTON ZUG

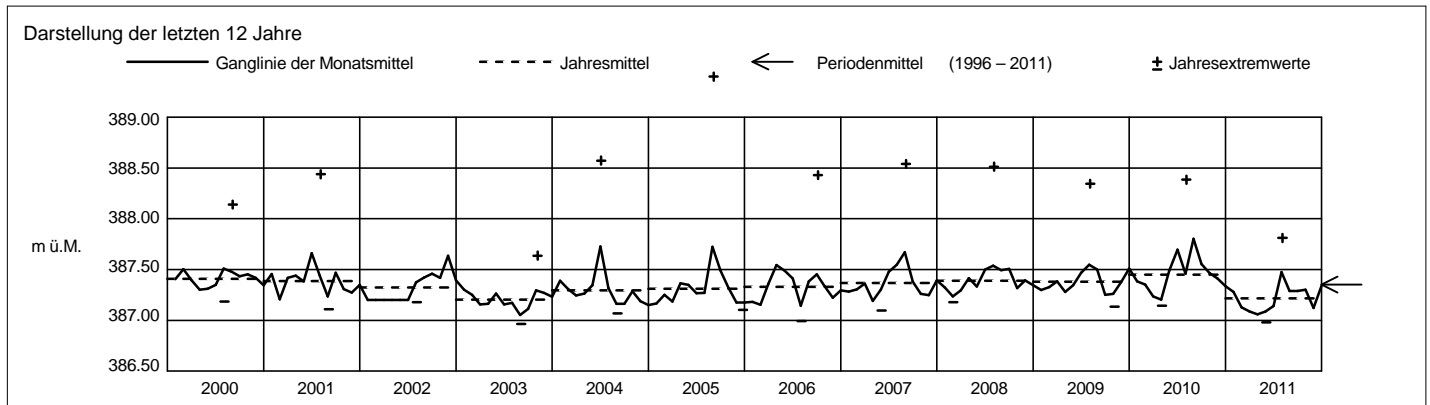
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	387.35	387.16	387.20+	387.08	387.02	387.20	387.44	387.27	387.17	387.18	387.17+	387.08-	1
	2	387.32	387.15	387.17	387.08	387.02	387.17	387.36	387.24	387.16-	387.17	387.16	387.09	2
	3	387.28	387.15	387.15	387.07	387.05	387.14	387.30	387.25	387.16-	387.16	387.16	387.17	3
	4	387.25	387.15	387.12	387.11	387.06	387.12	387.23	387.24	387.21	387.15	387.16	387.20	4
	5	387.24	387.14	387.11	387.15+	387.04	387.10	387.17	387.37	387.57+	387.15	387.15	387.31	5
	6	387.22	387.14	387.10	387.12	387.03	387.08	387.13	387.38	387.44	387.14-	387.15	387.29	6
	7	387.25	387.13	387.09	387.10	387.01	387.07	387.12-	387.40	387.36	387.26	387.14	387.30	7
	8	387.26	387.12	387.08	387.08	387.00	387.07	387.54	387.37	387.30	387.34	387.14	387.31	8
	9	387.25	387.10	387.07	387.07	387.00	387.08	387.43	387.33	387.27	387.36	387.14	387.26	9
	10	387.38	387.09	387.07	387.07	386.99	387.07	387.61	387.36	387.24	387.62	387.14	387.23	10
m ü.M.	11	387.34	387.09	387.06	387.06	386.98-	387.08	387.47	387.29	387.22	387.68+	387.14	387.22	11
	12	387.33	387.09	387.06	387.06	387.01	387.09	387.38	387.24	387.24	387.58	387.14	387.24	12
	13	387.48+	387.09	387.05-	387.08	387.07	387.08	387.63	387.22	387.22	387.55	387.13	387.26	13
	14	387.40	387.08	387.05-	387.08	387.09	387.07	387.76+	387.20	387.25	387.46	387.13	387.29	14
	15	387.39	387.08	387.05-	387.06	387.43+	387.06	387.64	387.55+	387.24	387.35	387.13	387.33	15
	16	387.35	387.08	387.05-	387.06	387.38	387.05-	387.53	387.43	387.25	387.32	387.12	387.40	16
	17	387.32	387.07-	387.05-	387.05	387.28	387.05-	387.58	387.34	387.48	387.30	387.12	387.44	17
	18	387.29	387.07-	387.08	387.05	387.22	387.08	387.60	387.32	387.49	387.28	387.11	387.38	18
	19	387.29	387.07-	387.12	387.04	387.17	387.13	387.55	387.27	387.45	387.37	387.10	387.35	19
	20	387.30	387.09	387.14	387.04	387.13	387.14	387.61	387.23	387.43	387.42	387.10	387.32	20
+ Maximum	21	387.28	387.20	387.12	387.03	387.10	387.13	387.58	387.21	387.36	387.35	387.10	387.31	21
	22	387.26	387.20	387.10	387.03	387.08	387.17	387.58	387.19	387.32	387.30	387.10	387.56	22
	23	387.24	387.16	387.09	387.03	387.06	387.36	387.66	387.16-	387.29	387.26	387.09	387.71+	23
	24	387.21	387.14	387.08	387.02-	387.05	387.33	387.72	387.22	387.27	387.24	387.09	387.57	24
	25	387.21	387.16	387.07	387.02-	387.04	387.25	387.60	387.40	387.25	387.22	387.09	387.49	25
	26	387.21	387.16	387.06	387.02-	387.03	387.18	387.51	387.29	387.23	387.21	387.09	387.44	26
	27	387.20	387.17	387.06	387.02-	387.05	387.14	387.46	387.34	387.22	387.20	387.09	387.39	27
	28	387.19	387.23+	387.05-	387.04	387.10	387.11	387.45	387.28	387.21	387.19	387.08-	387.36	28
	29	387.19		387.06	387.03	387.10	387.11	387.39	387.23	387.20	387.18	387.08-	387.34	29
	30	387.18		387.06	387.03	387.08	387.48+	387.35	387.19	387.19	387.18	387.08-	387.39	30
31	387.17-		387.06	387.03	387.08		387.30	387.18	387.18	387.17		387.52	31	
Monatsumme		387.28	387.13	387.09	387.06-	387.09	387.14	387.47+	387.29	387.29	387.30	387.12	387.34	m ü.M.
Spitze Datum		387.55 13.	387.24 28.	387.22 1.	387.16- 4.	387.54 15.	387.61 30.	387.81+ 14.	387.61 15.	387.67 5.	387.70 11.	387.17 1.	387.79 23.	m ü.M.
Amplitude		0.39	0.17	0.17	0.14	0.56	0.58	0.72+	0.47	0.52	0.57	0.09-	0.71	m

Jahr Mittel: 387.22 Spitze: 387.81 (14.07.2011) Minimum: 386.98 (11.05.2011) Amplitude: 0.83



Periode		1996 - 2011 (16 Jahre)												
Monatsumme		387.31	387.28-	387.28-	387.28-	387.36	387.45+	387.43	387.43	387.38	387.34	387.33	387.35	m ü.M.
Monats-Spitze Jahr		387.74 2004	387.82 1999	387.74 2001	387.82 2008	388.90 1999	388.57 2004	388.51 2008	389.40+ 2005	388.43 2006	387.71- 2006	388.00 2002	387.82 1999	m ü.M.
Monats-Minimum Jahr		387.09+ 2006	387.07 2006	387.05 2011	387.02 2011	386.98 2011	387.03 2003	386.99 2006	386.97- 2003	387.04 2003	387.09+ 2003	387.08 2011	387.08 2011	m ü.M.
Monats-Amplitude Jahr		0.59 2004	0.49- 1999	0.62 2001	0.59 2008	1.50 1999	1.26 2004	1.30 2008	2.24+ 2005	1.21 2006	0.57 2011	0.74 2002	0.71 2011	m
Periode		Mittel: 387.35		Spitze: 389.40 (23.08.2005)			Minimum: 386.97 (13.08.2003)			Amplitude: 2.43				



Grundwasserstände



Orpheus

Nr. 3229 Hünenberg - Vordere Stadelmatt

Koordinaten: 673'832 / 230'434

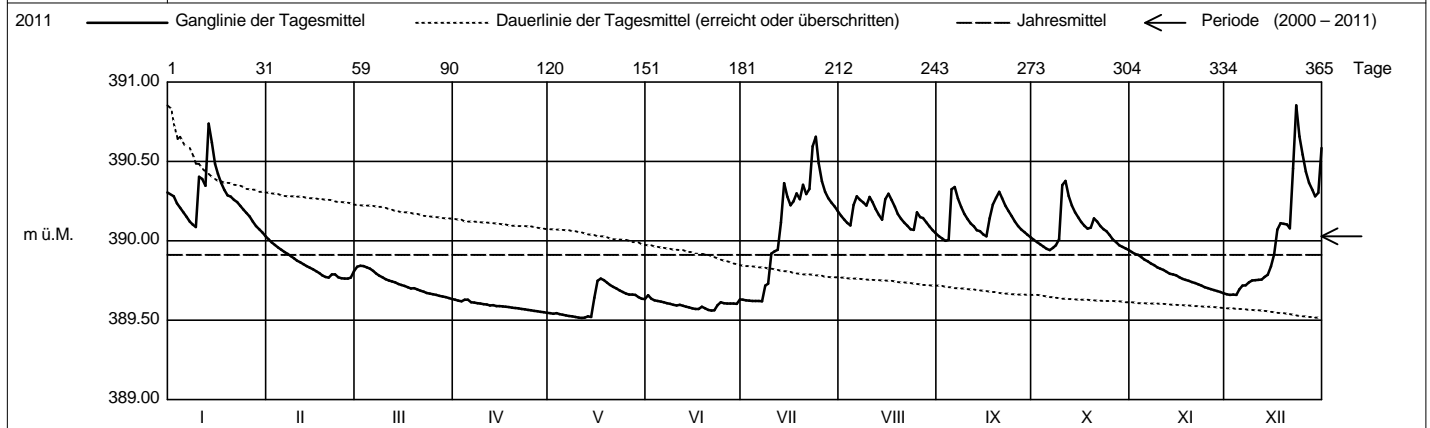
Abstichpunkt: 391.555 m ü.M. OK Terrain: 391.65 m ü.M.

KANTON ZUG

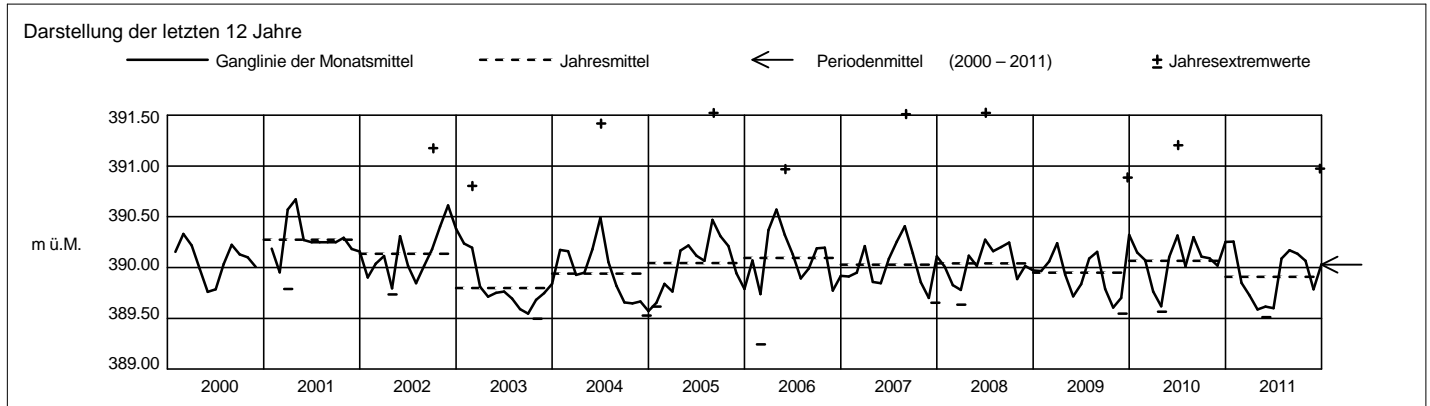
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	390.30	390.01+	389.84+	389.63+	389.54	389.66+	389.63	390.16	390.03	390.01	389.93+	389.66-	1
	2	390.28	389.99	389.84+	389.62	389.54	389.64	389.63	390.13	390.01	389.99	389.92	389.66-	2
	3	390.24	389.98	389.84+	389.62	389.54	389.63	389.62-	390.11	390.00-	389.98	389.91	389.66-	3
	4	390.21	389.96	389.83	389.63+	389.54	389.62	389.62-	390.10	390.01	389.96	389.90	389.66-	4
	5	390.18	389.94	389.82	389.63+	389.53	389.62	389.62-	390.23	390.32	389.95	389.88	389.69	5
	6	390.15	389.93	389.81	389.61	389.53	389.61	389.62-	390.28	390.34+	389.94-	389.87	389.72	6
	7	390.12	389.92	389.80	389.61	389.53	389.61	389.62-	390.26	390.27	389.96	389.86	389.72	7
	8	390.10	389.90	389.78	389.61	389.52	389.60	389.72	390.24	390.21	389.97	389.85	389.74	8
	9	390.09	389.89	389.77	389.61	389.52	389.60	389.73	390.22	390.17	390.01	389.83	389.75	9
	10	390.40	389.88	389.76	389.60	389.52	389.59	389.92	390.28	390.14	390.35	389.83	389.75	10
m ü.M.	11	390.39	389.86	389.75	389.60	389.51-	389.60	389.93	390.25	390.11	390.38+	389.82	389.75	11
	12	390.35	389.85	389.75	389.59	389.52	389.59	389.94	390.20	390.09	390.28	389.81	389.76	12
	13	390.74+	389.84	389.74	389.59	389.52	389.59	390.12	390.16	390.07	390.22	389.79	389.77	13
	14	390.62	389.83	389.73	389.59	389.52	389.58	390.36	390.13	390.06	390.18	389.79	389.79	14
	15	390.48	389.82	389.72	389.59	389.64	389.58	390.28	390.26	390.04	390.15	389.78	389.84	15
	16	390.42	389.81	389.72	389.59	389.75	389.57	390.23	390.30+	390.03	390.12	389.77	389.92	16
	17	390.37	389.80	389.71	389.58	389.76+	389.57	390.25	390.26	390.14	390.09	389.76	390.07	17
	18	390.32	389.78	389.70	389.58	389.75	389.58	390.30	390.21	390.23	390.08	389.75	390.11	18
	19	390.29	389.77	389.70	389.58	389.74	389.57	390.26	390.17	390.27	390.08	389.75	390.11	19
	20	390.28	389.77	389.69	389.58	389.72	389.57	390.35	390.14	390.31	390.14	389.74	390.10	20
+ Maximum	21	390.26	389.79	389.69	389.57	389.71	389.56-	390.29	390.12	390.27	390.12	389.73	390.08	21
	22	390.24	389.79	389.68	389.57	389.70	389.56-	390.33	390.09	390.22	390.09	389.73	390.46	22
	23	390.22	389.77	389.67	389.57	389.69	389.60	390.60	390.07	390.19	390.07	389.72	390.85+	23
	24	390.20	389.76-	389.67	389.57	389.68	389.61	390.66+	390.07	390.16	390.06	389.71	390.66	24
	25	390.18	389.76-	389.66	389.56	389.67	389.61	390.49	390.18	390.12	390.04	389.70	390.54	25
	26	390.15	389.76-	389.66	389.56	389.66	389.61	390.37	390.15	390.09	390.01	389.70	390.44	26
	27	390.12	389.77	389.65	389.56	389.66	389.61	390.31	390.14	390.07	389.99	389.69	390.37	27
	28	390.09	389.81	389.65	389.55-	389.66	389.61	390.27	390.12	390.06	389.97	389.68	390.32	28
	29	390.07		389.64	389.55-	389.65	389.60	390.24	390.09	390.04	389.96	389.68	390.28	29
	30	390.05		389.64	389.55-	389.64	389.63	390.22	390.07	390.02	389.95	389.67-	390.30	30
31	390.03-		389.63-		389.63		390.19	390.05-		389.94-		390.59	31	
Monatsumme		390.26+	389.85	389.73	389.59-	389.62	389.60	390.09	390.17	390.14	390.07	389.78	390.04	m ü.M.
Spitze Datum		390.84 13.	390.02 1.	389.85 2.	389.64- 4.	389.77 17.	389.66 1.	390.72 24.	390.31 15.	390.46 5.	390.49 10.	389.94 1.	390.97+ 23.	m ü.M.
Amplitude		0.82	0.26	0.21	0.10-	0.25	0.11	1.11	0.28	0.47	0.56	0.27	1.32+	m

Jahr Mittel: 389.91 Spitze: 390.97 (23.12.2011) Minimum: 389.51 (12.05.2011) Amplitude: 1.46



Periode 2000 - 2011 (12 Jahre)													
Monatsumme	390.05	390.00	390.04	390.00	390.01	390.06	390.04	390.13+	390.06	390.00	389.92-	390.03	m ü.M.
Monats-Spitze Jahr	390.84 2011	390.80- 2003	391.22 2001	390.89 2008	391.02 2002	391.52+ 2008	390.84 2007	391.52+ 2005	391.23 2008	391.06 2002	391.01 2001	390.97 2011	m ü.M.
Monats-Minimum Jahr	389.51 2006	389.24- 2006	389.63+ 2011	389.55 2011	389.51 2011	389.56 2011	389.62 2011	389.53 2003	389.50 2003	389.50 2003	389.55 2009	389.53 2004	m ü.M.
Monats-Amplitude Jahr	1.11 2004	0.92 2006	1.43 2001	1.08 2005	1.26 2002	1.71+ 2008	1.11 2011	1.51 2005	1.30 2002	0.99 2006	0.81- 2002	1.32 2011	m
Periode	Mittel: 390.03		Spitze: 391.52 (11.06.2008)			Minimum: 389.24 (06.02.2006)			Amplitude: 2.28				



Grundwasserstände



Orpheus

Nr. 4162 Oberägeri - Morgarten / Balmi

Koordinaten: 691'223.40 / 217'491.42

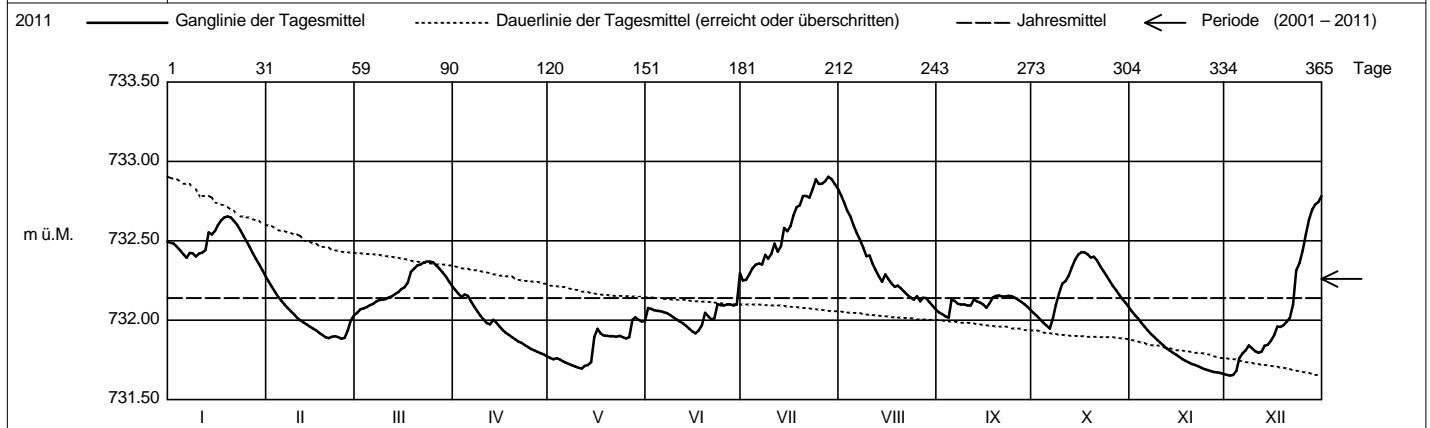
Abstichpunkt: 734.305 m ü.M. OK Terrain: 733.53 m ü.M.

KANTON ZUG

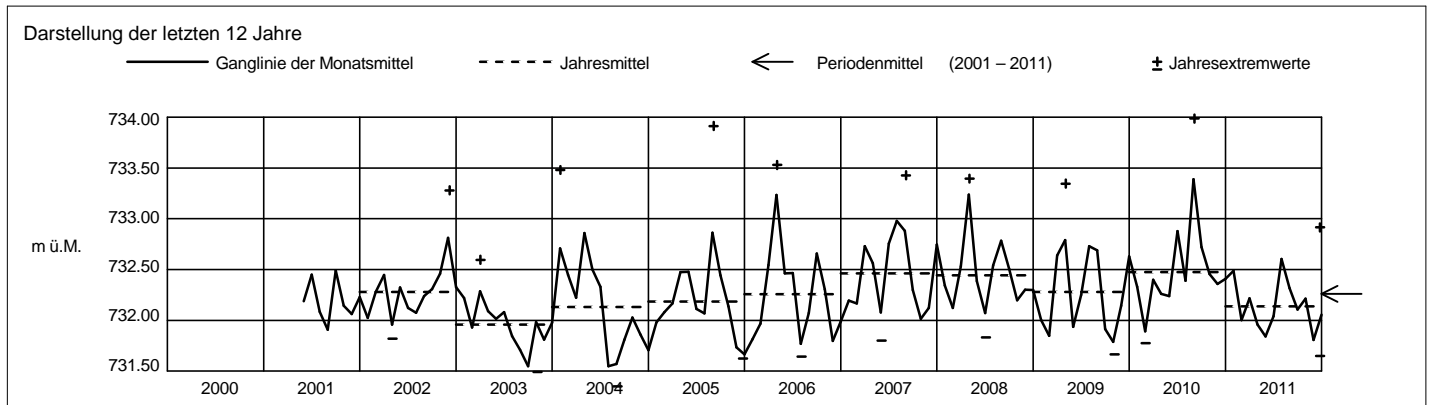
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	732.50	732.24+	732.05-	732.19+	731.76	732.08	732.25-	732.79+	732.05	732.05	732.06+	731.66	1
	2	732.48	732.21	732.07	732.17	731.75	732.07	732.25-	732.74	732.04	732.03	732.03	731.65-	2
	3	732.46	732.18	732.08	732.15	731.76	732.06	732.29	732.69	732.02-	732.00	732.01	731.65-	3
	4	732.44	732.15	732.08	732.16	731.75	732.06	732.33	732.65	732.02-	731.98	731.98	731.68	4
	5	732.42	732.12	732.09	732.15	731.74	732.06	732.35	732.60	732.13	731.97	731.96	731.76	5
	6	732.39	732.10	732.10	732.12	731.73	732.05	732.36	732.55	732.12	731.95-	731.94	731.79	6
	7	732.42	732.08	732.12	732.08	731.72	732.04	732.35	732.51	732.10	732.01	731.91	731.81	7
	8	732.42	732.06	732.13	732.05	731.72	732.03	732.41	732.46	732.10	732.10	731.90	731.84	8
	9	732.40	732.04	732.13	732.03	731.71	732.02	732.39	732.40	732.10	732.17	731.88	731.82	9
	10	732.42	732.02	732.13	732.00	731.70-	732.00	732.42	732.41	732.09	732.23	731.86	731.80	10
m ü.M.	11	732.43	732.00	732.14	731.98	731.70-	731.99	732.48	732.36	732.09	732.25	731.84	731.79	11
	12	732.44	731.99	732.15	731.97	731.71	731.98	732.43	732.32	732.13	732.28	731.82	731.80	12
	13	732.55	731.97	732.17	732.00	731.72	731.96	732.47	732.28	732.12	732.33	731.81	731.84	13
	14	732.54	731.96	732.18	731.98	731.74	731.95	732.58	732.24	732.11	732.38	731.80	731.85	14
	15	732.56	731.95	732.20	731.96	731.90	731.93	732.56	732.29	732.10	732.41	731.78	731.87	15
	16	732.60	731.94	732.21	731.94	731.95	731.92-	732.59	732.26	732.08	732.43+	731.77	731.90	16
	17	732.63	731.92	732.24	731.92	731.92	731.94	732.66	732.23	732.11	732.43+	731.76	731.96	17
	18	732.65+	731.91	732.30	731.91	731.90	731.97	732.71	732.21	732.14	732.42	731.74	731.96	18
	19	732.65+	731.89	732.33	731.89	731.90	732.05	732.72	732.22	732.15	732.40	731.73	731.97	19
	20	732.65+	731.89	732.35	731.88	731.90	732.02	732.78	732.20	732.16+	732.40	731.72	731.99	20
+ Maximum	21	732.63	731.90	732.35	731.87	731.90	732.00	732.78	732.18	732.15	732.37	731.72	732.02	21
	22	732.60	731.90	732.36	731.86	731.90	732.01	732.77	732.16	732.15	732.34	731.71	732.10	22
	23	732.57	731.89	732.37+	731.84	731.90	732.10	732.82	732.14	732.15	732.31	731.70	732.32	23
	24	732.53	731.88-	732.37+	731.83	731.89	732.10	732.89	732.13	732.15	732.28	731.69	732.36	24
	25	732.50	731.89	732.36	731.82	731.89	732.09	732.86	732.15	732.14	732.25	731.69	732.44	25
	26	732.46	731.94	732.35	731.81	731.89	732.10	732.86	732.12	732.13	732.22	731.68	732.54	26
	27	732.42	732.00	732.33	731.80	732.00	732.10	732.88	732.14	732.12	732.19	731.67	732.64	27
	28	732.39	732.03	732.30	731.79	732.02+	732.09	732.90+	732.14	732.10	732.16	731.67	732.70	28
	29	732.35		732.28	731.78	732.00	732.10	732.89	732.11	732.08	732.13	731.67	732.73	29
	30	732.32		732.24	731.77-	731.99	732.30+	732.86	732.09	732.07	732.11	731.66-	732.74	30
31	732.28-		732.22		731.99		732.83	732.07-		732.08		732.78+	31	
Monatsumme	732.49	732.00	732.22	731.96	731.84	732.04	732.60+	732.32	732.11	732.21	731.81-	732.06	m ü.M.	
Spitze Datum	20.	1.	23.	1.	31.	30.	28.	1.	18.	17.	1.	31.	m ü.M.	
Amplitude	0.40	0.39	0.34	0.44	0.35	0.42	0.67	0.75	0.17-	0.49	0.41	1.27+	m	

Jahr Mittel: 732.14 Spitze: 732.92 (31.12.2011) Minimum: 731.65 (02.12.2011) Amplitude: 1.27



Periode 2001 - 2011 (11 Jahre)													
Monatsumme	732.21	732.08	732.42	732.54+	732.22	732.32	732.26	732.41	732.25	732.16	732.07-	732.18	m ü.M.
Monats-Spitze Jahr	733.48 2004	732.72- 2002	733.44 2006	733.53 2006	733.29 2008	733.30 2004	733.48 2010	733.99+ 2010	733.30 2005	732.85 2010	733.28 2002	733.28 2007	m ü.M.
Monats-Minimum Jahr	731.71 2005	731.73 2006	731.85+ 2005	731.77 2011	731.69 2011	731.68 2004	731.42 2004	731.35- 2004	731.50 2003	731.49 2003	731.63 2005	731.62 2005	m ü.M.
Monats-Amplitude Jahr	1.49 2004	0.61- 2002	1.48 2005	1.22 2009	1.41 2008	1.62 2004	1.46 2010	1.74+ 2005	1.23 2001	0.80 2006	1.05 2002	1.27 2011	m
Periode	Mittel: 732.26		Spitze: 733.99 (06.08.2010)			Minimum: 731.35 (20.08.2004)			Amplitude: 2.64				



Grundwasserstände



Orpheus Mini

Nr. 4169 Oberägeri - Morgarten / Teufi / Seeblick

Koordinaten: 691'243 / 217'611

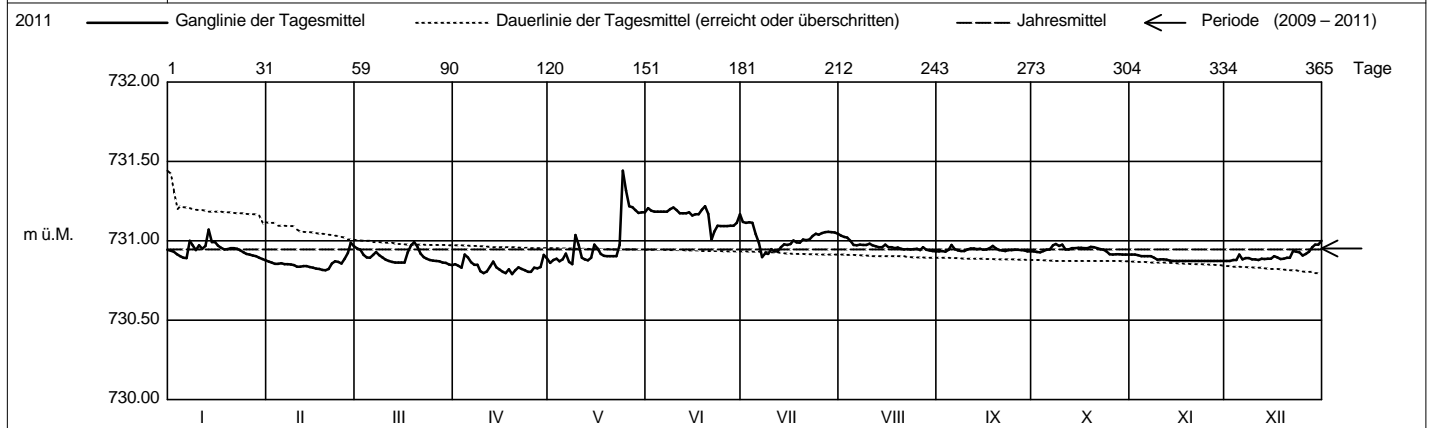
Abstichpunkt: 732.424 m ü.M. OK Terrain: ca. 731.4 m ü.M.

KANTON ZUG

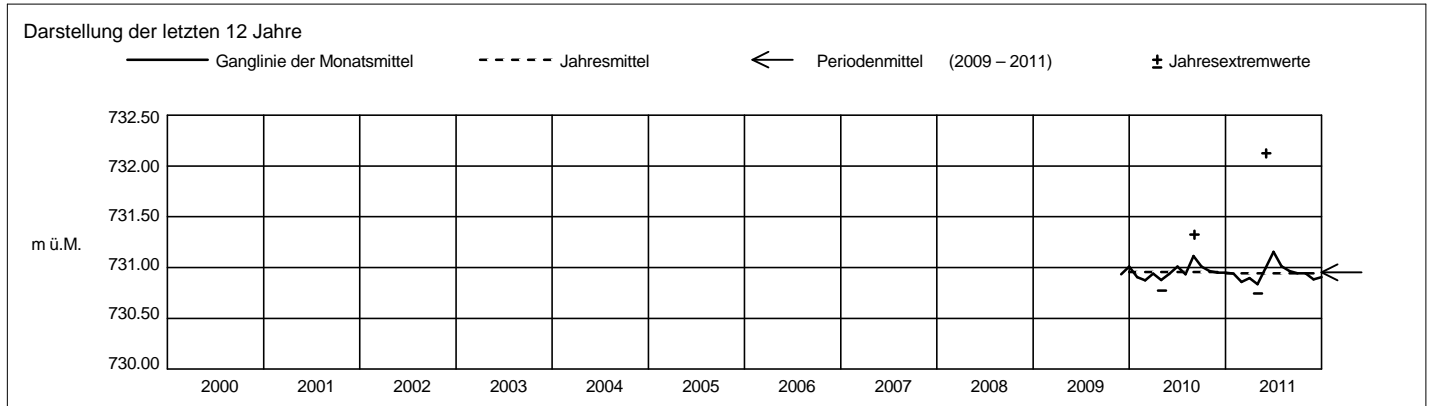
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember			
Tagesmittel	1	730.94	730.87	730.95	730.85	730.86	731.21	731.12+	731.03+	730.93-	730.93	730.91+	730.87-	1		
	2	730.93	730.86	730.94	730.84	730.88	731.19	731.11	731.02	730.94	730.93	730.91+	730.87-	2		
	3	730.92	730.85	730.91	730.83	730.89	731.18	731.12+	731.02	730.93-	730.93	730.91+	730.88	3		
	4	730.90	730.86	730.90	730.91+	730.87	731.18	731.11	731.01	730.94	730.94	730.90	730.88	4		
	5	730.89	730.86	730.89	730.90	730.88	731.18	731.04	730.97	730.97+	730.94	730.90	730.91	5		
	6	730.89	730.85	730.91	730.86	730.92	731.18	730.99	730.97	730.95	730.95	730.90	730.88	6		
	7	731.00	730.85	730.93	730.85	730.87	731.18	730.90-	730.98	730.94	730.97	730.90	730.89	7		
	8	730.97	730.85	730.91	730.85	730.85-	731.20	730.92	730.97	730.94	730.98+	730.89	730.89	8		
	9	730.94	730.85	730.90	730.81	731.04	731.21	730.92	730.97	730.94	730.97	730.88	730.88	9		
	10	730.97	730.84	730.88	730.80	730.97	731.19	730.95	730.98	730.95	730.98+	730.88	730.88	10		
	m ü.M.	11	730.95	730.84	730.87	730.81	730.89	731.17	730.93	730.97	730.95	730.95	730.88	730.88	11	
		12	730.97	730.84	730.87	730.84	730.88	731.17	730.93	730.97	730.95	730.95	730.88	730.89	12	
		13	731.07+	730.84	730.86	730.87	730.88	731.17	730.96	730.96	730.95	730.95	730.88	730.88	13	
		14	730.99	730.83	730.86	730.83	730.89	731.18	730.98	730.96	730.95	730.95	730.87-	730.89	14	
		15	730.99	730.83	730.86	730.82	730.98	731.16	730.97	730.98	730.94	730.96	730.87-	730.89	15	
		16	730.97	730.83	730.86	730.81	730.95	731.17	730.98	730.96	730.95	730.96	730.87-	730.90	16	
		17	730.96	730.82	730.93	730.80	730.92	731.17	731.00	730.96	730.95	730.95	730.87-	730.90	17	
		18	730.95	730.82	730.97	730.82	730.91	731.20	730.99	730.96	730.97+	730.95	730.87-	730.89	18	
		19	730.95	730.81-	730.99+	730.79-	730.90	731.22+	730.99	730.96	730.95	730.96	730.87-	730.89	19	
		20	730.95	730.82	730.96	730.82	730.90	731.17	731.01	730.95	730.94	730.96	730.87-	730.89	20	
		+ Maximum	21	730.95	730.86	730.92	730.83	730.90	731.01-	731.00	730.95	730.94	730.95	730.87-	730.89	21
	22		730.95	730.87	730.90	730.82	730.90	731.06	731.01	730.95	730.94	730.95	730.87-	730.94	22	
	23		730.94	730.87	730.89	730.81	730.97	731.09	731.03	730.95	730.94	730.94	730.87-	730.93	23	
	24		730.93	730.86	730.88	730.80	731.44+	731.09	731.04	730.95	730.94	730.93	730.87-	730.93	24	
	25		730.92	730.89	730.88	730.80	731.32	731.09	731.04	730.95	730.94	730.92	730.87-	730.91	25	
	- Minimum		26	730.91	730.92	730.87	730.83	731.22	731.09	731.05	730.94	730.94	730.91-	730.87-	730.92	26
			27	730.91	730.99+	730.87	730.83	731.21	731.10	731.05	730.96	730.94	730.92	730.87-	730.93	27
			28	730.90	730.97	730.86	730.84	731.19	731.09	731.06	730.94	730.94	730.92	730.87-	730.96	28
			29	730.89		730.86	730.91+	731.18	731.11	731.05	730.94	730.93-	730.91-	730.87-	730.98	29
			30	730.89		730.85-	730.89	731.18	731.17	731.05	730.94	730.93-	730.91-	730.87-	730.98	30
			31	730.88-		730.85-		731.18		731.04	730.93-		730.91-		731.00+	31
Monatsumme	730.94	730.86	730.90	730.84-	731.00	731.15+	731.01	730.97	730.94	730.94	730.88	730.91	m ü.M.			
Spitze Datum	731.10 13.	731.01 27.	731.03 17.	731.11 29.	732.12+ 24.	731.38 9.	731.12 1.	731.04 1.	731.00 5.	731.01 8.	730.91- 1.	731.03 31.	m ü.M.			
Amplitude	0.23	0.20	0.19	0.37	1.28+	0.64	0.35	0.12	0.08	0.12	0.06-	0.16	m			

Jahr Mittel: 730.95 Spitze: 732.12 (24.05.2011) Minimum: 730.74 (20.04.2011) Amplitude: 1.38



Periode		2009 - 2011 (3 Jahre)												
Monatsumme		730.92	730.87	730.92	730.86-	730.97	731.08+	730.97	731.04	730.98	730.95	730.92	730.96	m ü.M.
Monats-Spitze Jahr		731.10 2011	731.10 2010	731.09- 2010	731.11 2011	732.12+ 2011	731.38 2011	731.28 2010	731.32 2010	731.21 2010	731.10 2010	731.12 2010	731.18 2009	m ü.M.
Monats-Minimum Jahr		730.82 2010	730.80 2010	730.84 2011	730.74- 2011	730.78 2010	730.74- 2011	730.77 2011	730.92+ 2011	730.92+ 2011	730.89 2010	730.85 2011	730.87 2011	m ü.M.
Monats-Amplitude Jahr		0.23 2011	0.30 2010	0.22 2010	0.37 2011	1.28+ 2011	0.64 2011	0.46 2010	0.31 2010	0.28 2010	0.21- 2010	0.23 2010	0.25 2009	m
Periode		Mittel: 730.95 Spitze: 732.12 (24.05.2011) Minimum: 730.74 (20.04.2011) Amplitude: 1.38												



Grundwasserstände



Orpheus Mini

Nr. 4222 Unterägeri - Buechholz

Koordinaten: 686658.86/220954.23

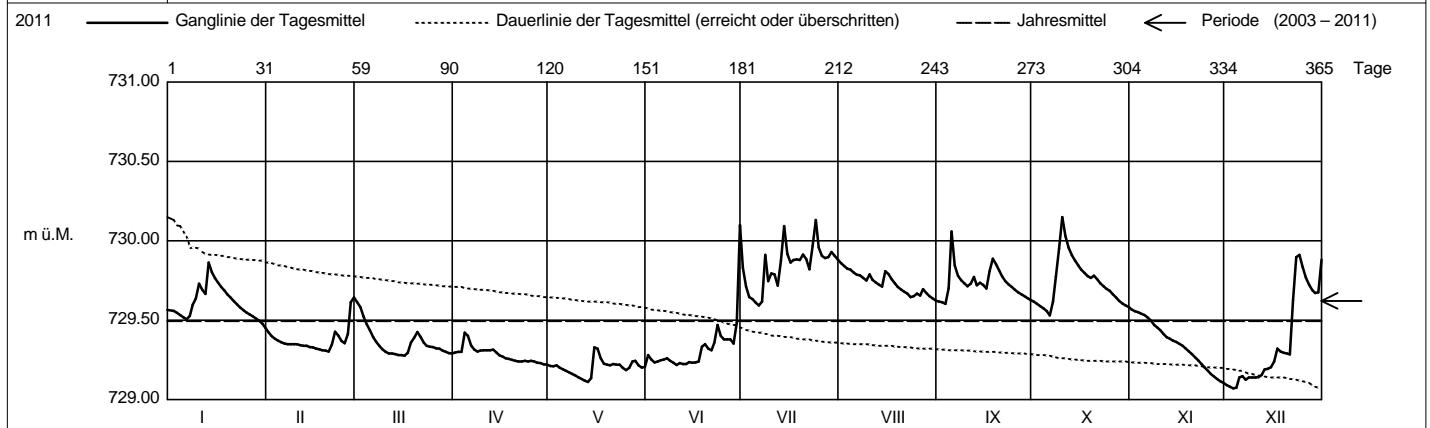
Abstichpunkt: 732.970 m ü.M. OK Terrain: 731.580 m ü.M.

KANTON ZUG

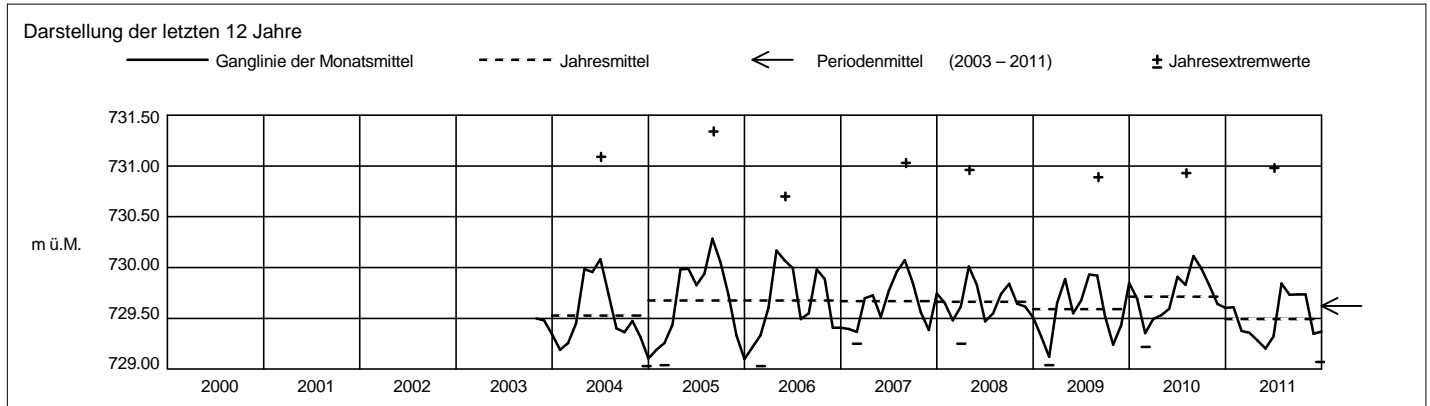
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	729.57	729.42	729.61+	729.30	729.21	729.28	729.83	729.86+	729.62	729.62	729.57+	729.09	1
	2	729.56	729.40	729.58	729.30	729.21	729.25	729.71	729.84	729.61	729.60	729.56	729.08	2
	3	729.55	729.38	729.52	729.30	729.22	729.24	729.65	729.83	729.60-	729.59	729.55	729.07-	3
	4	729.53	729.37	729.47	729.42+	729.20	729.24	729.63	729.82	729.70	729.58	729.54	729.07-	4
	5	729.52	729.36	729.44	729.40	729.19	729.25	729.61	729.80	730.06+	729.56	729.53	729.14	5
	6	729.51	729.35	729.39	729.34	729.18	729.25	729.59-	729.79	729.85	729.53-	729.52	729.15	6
	7	729.53	729.35	729.37	729.32	729.17	729.26	729.62	729.78	729.78	729.62	729.50	729.13	7
	8	729.60	729.35	729.34	729.30	729.16	729.24	729.91	729.77	729.75	729.67	729.47	729.14	8
	9	729.64	729.35	729.32	729.31	729.15	729.23	729.75	729.75	729.73	729.95	729.45	729.14	9
	10	729.73	729.35	729.30	729.31	729.14	729.22-	729.80	729.79	729.72	730.15+	729.44	729.14	10
m ü.M.	11	729.69	729.34	729.29	729.31	729.13	729.23	729.79	729.76	729.73	730.03	729.41	729.14	11
	12	729.67	729.29	729.29	729.31	729.12	729.22-	729.72	729.74	729.77	729.96	729.39	729.16	12
	13	729.86+	729.34	729.29	729.32	729.11-	729.22-	729.88	729.72	729.72	729.91	729.38	729.19	13
	14	729.80	729.33	729.28-	729.30	729.14	729.24	730.09	729.71	729.74	729.88	729.37	729.19	14
	15	729.76	729.33	729.28-	729.28	729.33+	729.23	729.92	729.81	729.72	729.85	729.36	729.20	15
	16	729.74	729.32	729.28-	729.27	729.32	729.23	729.86	729.79	729.70	729.82	729.35	729.24	16
	17	729.71	729.32	729.30	729.26	729.26	729.24	729.88	729.76	729.81	729.80	729.34	729.32	17
	18	729.69	729.31	729.36	729.26	729.23	729.33	729.88	729.73	729.89	729.78	729.32	729.30	18
	19	729.66	729.31	729.39	729.25	729.22	729.35	729.88	729.71	729.85	729.77	729.31	729.29	19
	20	729.64	729.30-	729.43	729.24	729.22	729.32	729.91	729.69	729.81	729.78	729.29	729.29	20
+ Maximum	21	729.62	729.35	729.40	729.24	729.23	729.31	729.89	729.68	729.78	729.76	729.27	729.28	21
	22	729.60	729.43	729.36	729.24	729.22	729.36	729.82	729.67	729.75	729.73	729.25	729.63	22
	23	729.58	729.40	729.34	729.24	729.22	729.47	729.97	729.65	729.73	729.72	729.23	729.90	23
	24	729.56	729.37	729.33	729.24	729.20	729.40	730.13+	729.65	729.71	729.70	729.20	729.91+	24
	25	729.55	729.36	729.33	729.25	729.19	729.38	729.96	729.67	729.69	729.69	729.18	729.83	25
	26	729.54	729.41	729.32	729.24	729.20	729.38	729.91	729.66	729.68	729.66	729.16	729.77	26
	27	729.52	729.61	729.32	729.23	729.24	729.38	729.89	729.70	729.66	729.64	729.15	729.73	27
	28	729.51	729.64+	729.31	729.23	729.25	729.35	729.90	729.67	729.65	729.62	729.13	729.69	28
	29	729.50		729.30	729.22-	729.22	729.48	729.93	729.65	729.64	729.61	729.12	729.67	29
	30	729.48		729.29	729.22-	729.20	730.10+	729.91	729.64	729.63	729.59	729.10-	729.68	30
31	729.45-		729.29	729.29	729.21		729.88	729.62-		729.58		729.88	31	
Monatsumme		729.61	729.38	729.36	729.28	729.20-	729.32	729.84+	729.73	729.74	729.74	729.35	729.37	m ü.M.
Spitze Datum		729.93 13.	729.70 27.	729.62 1.	729.50 4.	729.44- 15.	730.98+ 29.	730.42 24.	729.87 1.	730.37 5.	730.39 10.	729.57 1.	730.28 31.	m ü.M.
Amplitude		0.49	0.40	0.35	0.28	0.34	1.77+	0.83	0.25-	0.78	0.87	0.47	1.21	m

Jahr Mittel: 729.49 Spitze: 730.98 (29.06.2011) Minimum: 729.07 (02.12.2011) Amplitude: 1.91



Periode		2003 - 2011 (9 Jahre)												
Monatsumme		729.41	729.32-	729.54	729.82	729.71	729.76	729.79	729.85+	729.79	729.62	729.44	729.45	m ü.M.
Monats-Spitze Jahr		730.07 2010	730.13 2006	730.41 2009	730.96 2008	730.70 2006	731.09 2004	730.93 2010	731.34+ 2005	730.83 2010	730.40 2006	729.88- 2008	730.37 2009	m ü.M.
Monats-Minimum Jahr		729.08 2004	729.03- 2006	729.05 2009	729.22+ 2011	729.10 2011	729.21 2011	729.20 2006	729.20 2006	729.22+ 2004	729.04 2003	729.10 2011	729.03- 2004	m ü.M.
Monats-Amplitude Jahr		0.91 2009	1.10 2006	1.36 2009	1.20 2008	0.84 2010	1.77+ 2011	1.32 2010	1.41 2005	1.07 2010	0.87 2011	0.47- 2011	1.21 2011	m
Periode		Mittel: 729.62 Spitze: 731.34 (22.08.2005) Minimum: 729.03 (19.12.2004) Amplitude: 2.31												



Grundwasserstände



Orpheus Mini

Nr. 5013 Zug - Oberwil - Trubikon

Koordinaten: 681'087 / 221'704

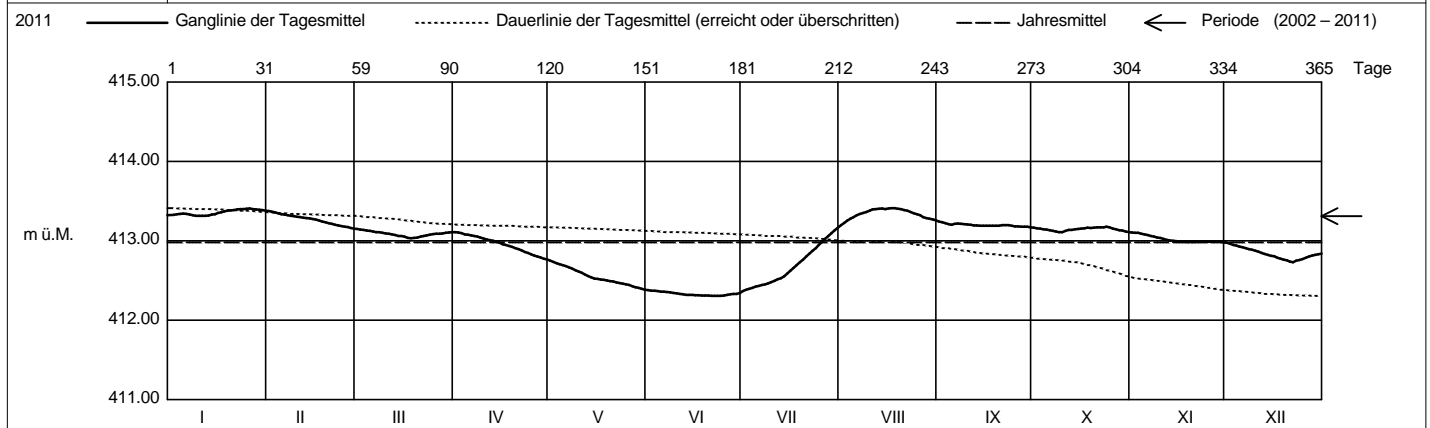
Abstichpunkt: 431.24 m ü.M. OK Terrain: 430.46 m ü.M.

KANTON ZUG

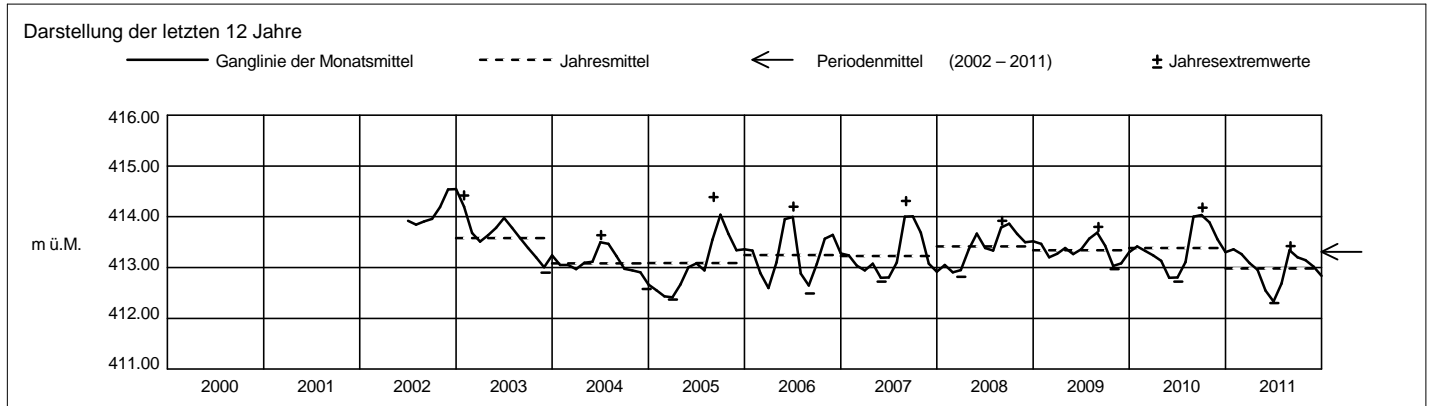
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	413.32	413.37+	413.15+	413.11+	412.75+	412.38+	412.37-	413.20-	413.24+	413.17	413.11+	412.98+	1	
	2	413.33	413.37+	413.14	413.11+	412.74	412.37	412.39	413.23	413.24+	413.16	413.10	412.96	2	
	3	413.34	413.36	413.14	413.10	412.72	412.37	412.40	413.25	413.22	413.15	413.10	412.95	3	
	4	413.34	413.35	413.13	413.08	412.71	412.37	412.41	413.28	413.21	413.15	413.09	412.94	4	
	5	413.34	413.34	413.13	413.08	412.70	412.36	412.42	413.30	413.20	413.14	413.08	412.93	5	
	6	413.34	413.33	413.12	413.07	412.68	412.36	412.43	413.32	413.21	413.14	413.07	412.92	6	
	7	413.33	413.32	413.11	413.06	412.67	412.36	412.45	413.34	413.22	413.12	413.06	412.91	7	
	8	413.32	413.32	413.11	413.06	412.65	412.35	412.45	413.35	413.22	413.12	413.05	412.90	8	
	9	413.32	413.31	413.10	413.04	412.63	412.35	412.47	413.37	413.21	413.11-	413.04	412.89	9	
	10	413.32	413.30	413.09	413.03	412.61	412.34	412.48	413.38	413.21	413.11-	413.04	412.87	10	
	11	413.32	413.30	413.09	413.02	412.60	412.33	412.50	413.40	413.20	413.13	413.03	412.86	11	
	12	413.31-	413.29	413.08	413.01	412.58	412.33	412.52	413.40	413.20	413.14	413.01	412.85	12	
	13	413.32	413.29	413.07	413.00	412.56	412.32	412.53	413.40	413.20	413.14	413.01	412.84	13	
	m ü.M.	14	413.33	413.28	413.06	412.99	412.54	412.32	412.56	413.41+	413.19	413.15	413.00	412.83	14
		15	413.34	413.28	413.06	412.98	412.53	412.32	412.59	413.40	413.19	413.15	413.00	412.81	15
		16	413.35	413.27	413.05	412.96	412.52	412.32	412.63	413.41+	413.19	413.16	412.99	412.81	16
		17	413.36	413.26	413.04-	412.95	412.51	412.31-	412.66	413.41+	413.19	413.16	412.99	412.79	17
		18	413.37	413.24	413.04-	412.94	412.51	412.31-	412.70	413.41+	413.19	413.17	412.99	412.78	18
		19	413.38	413.24	413.04-	412.92	412.50	412.31-	412.73	413.41+	413.19	413.16	412.99	412.76	19
		20	413.38	413.22	413.04-	412.91	412.49	412.31-	412.77	413.40	413.19	413.17	412.99	412.76	20
		21	413.39	413.21	413.05	412.90	412.49	412.31-	412.80	413.39	413.20	413.17	412.99	412.74	21
		22	413.40	413.20	413.06	412.88	412.48	412.31-	412.84	413.38	413.20	413.17	412.99	412.73-	22
		23	413.40	413.19	413.07	412.86	412.47	412.31-	412.88	413.37	413.20	413.17	412.99	412.75	23
	24	413.40	413.19	413.08	412.85	412.46	412.31-	412.91	413.35	413.19	413.18+	412.99	412.76	24	
	+ Maximum	25	413.41+	413.18	413.09	412.83	412.45	412.31-	412.95	413.34	413.18	413.17	412.99	412.77	25
		26	413.41+	413.17	413.09	412.82	412.44	412.32	412.99	413.32	413.18	413.16	412.99	412.79	26
		27	413.40	413.16	413.09	412.81	412.43	412.33	413.03	413.30	413.18	413.15	412.99	412.80	27
		28	413.40	413.15-	413.10	412.79	412.42	412.33	413.06	413.29	413.18	413.13	412.99	412.81	28
		29	413.39		413.10	412.78	412.41	412.33	413.10	413.28	413.18	413.13	412.99	412.82	29
		30	413.39		413.11	412.77-	412.40	412.34	413.13	413.27	413.17-	413.12	412.98-	412.83	30
		31	413.38		413.11		412.38-		413.17+	413.26		413.11-		412.84	31
Monatsumme		413.36+	413.27	413.09	412.96	412.55	412.33-	412.69	413.34	413.20	413.15	413.02	412.84	m ü.M.	
Spitze Datum		413.41 25.	413.38 1.	413.15 1.	413.11 1.	412.76 1.	412.38- 1.	413.18 31.	413.42+ 17.	413.25 1.	413.18 22.	413.11 1.	412.98 1.	m ü.M.	
Amplitude		0.10	0.23	0.12	0.35	0.39	0.08	0.82+	0.24	0.08	0.07-	0.13	0.25	m	

Jahr Mittel: 412.98 Spitze: 413.42 (17.08.2011) Minimum: 412.30 (21.06.2011) Amplitude: 1.12



Periode 2002 - 2011 (10 Jahre)													
Monatsumme	413.30	413.09	413.00-	413.16	413.21	413.30	413.27	413.57	413.60+	413.50	413.37	413.30	m ü.M.
Monats-Spitze Jahr	414.42 2003	413.90 2003	413.59- 2003	413.71 2003	414.08 2006	414.20 2006	413.92 2002	414.39 2005	414.37 2005	414.34 2002	414.73+ 2002	414.71 2002	m ü.M.
Monats-Minimum Jahr	412.47 2005	412.39 2005	412.37 2005	412.48 2005	412.37 2011	412.30- 2011	412.36 2011	412.49 2006	412.86 2006	412.91+ 2004	412.80 2004	412.58 2004	m ü.M.
Monats-Amplitude Jahr	0.52 2003	0.43 2003	0.36 2008	1.10 2006	0.39 2011	0.85 2006	0.82 2011	1.34+ 2005	0.61 2005	0.43 2007	0.62 2007	0.32- 2007	m
Periode	Mittel: 413.31		Spitze: 414.73 (24.11.2002)				Minimum: 412.30 (21.06.2011)			Amplitude: 2.43			



Grundwasserstände



Orpheus Mini

Nr. 6205 Cham - Oberwilerwald

Koordinaten: 677'885 / 229'440

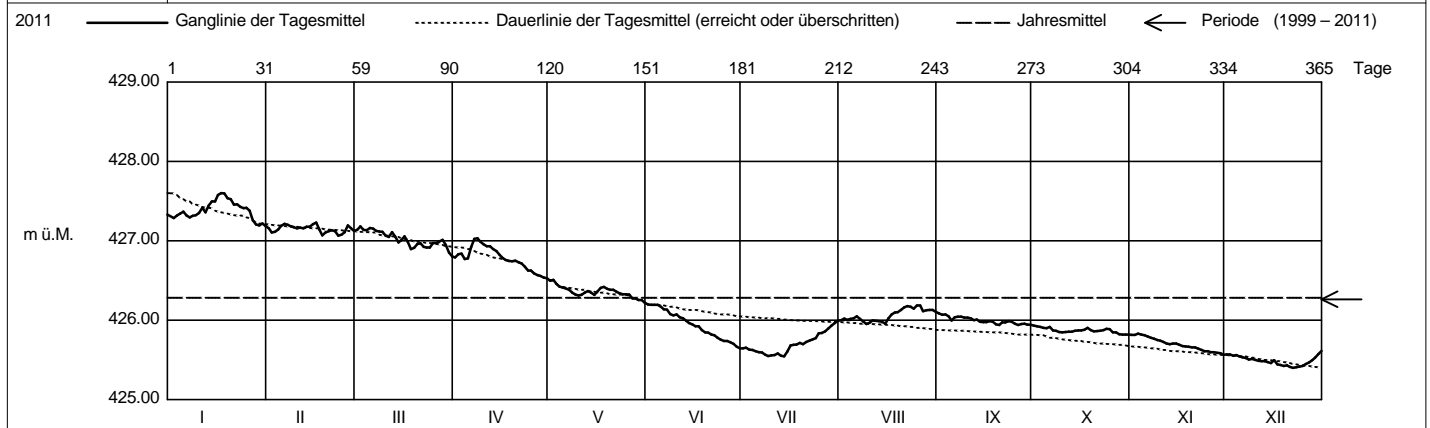
Abstichpunkt: 454.83 m ü.M. OK Terrain: 454.99 m ü.M.

KANTON ZUG

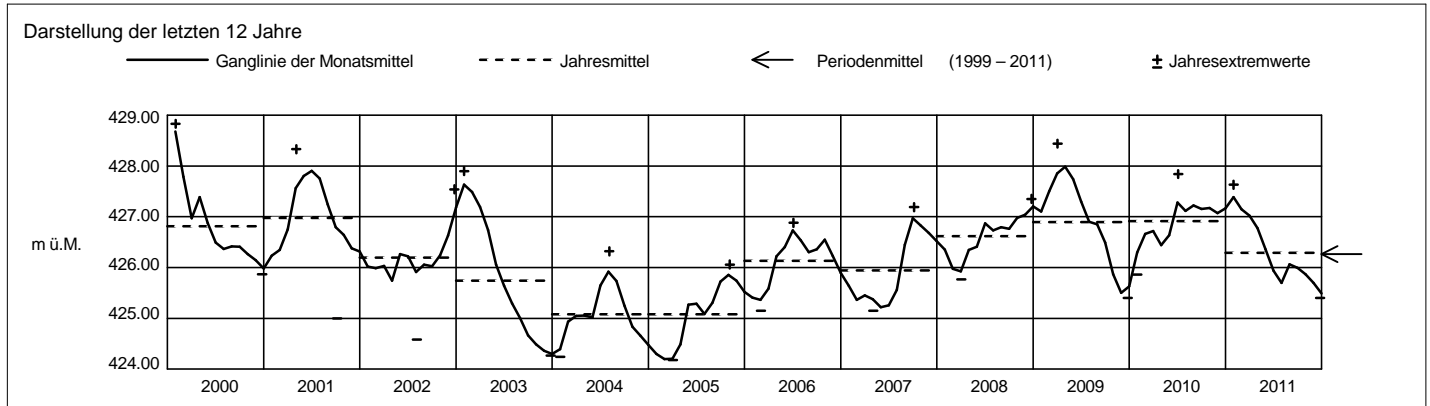
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	427.33	427.16	427.14	426.79	426.50	426.20+	425.65	426.00	426.09+	425.93+	425.82	425.57	1	
	2	427.29	427.11	427.18+	426.83	426.51+	426.19	425.66	426.02	426.07	425.92	425.82	425.57	2	
	3	427.32	427.12	427.14	426.84	426.46	426.19	425.63	426.01	426.07	425.92	425.83+	425.56	3	
	4	427.35	427.14	427.14	426.77	426.43	426.19	425.62	426.02	426.05	425.90	425.82	425.56	4	
	5	427.37	427.19	427.16	426.78	426.41	426.17	425.61	426.03	426.00	425.90	425.81	425.55	5	
	6	427.32	427.21	427.16	426.92	426.40	426.14	425.60	426.05	426.04	425.92	425.80	425.53	6	
	7	427.29	427.20	427.13	427.03	426.38	426.13	425.59	426.02	426.05	425.87	425.78	425.52	7	
	8	427.32	427.18	427.12	427.04+	426.35	426.08	425.56	425.98	426.05	425.87	425.77	425.50	8	
	9	427.32	427.17	427.11	426.99	426.32	426.06	425.55-	425.95-	426.03	425.85	425.75	425.51	9	
	10	427.35	427.16	427.11	426.96	426.31	426.07	425.56	425.97	426.03	425.85	425.74	425.50	10	
	11	427.42	427.17	427.05	426.93	426.32	426.04	425.56	426.00	426.02	425.85	425.73	425.49	11	
	12	427.36	427.16	427.11	426.93	426.35	426.02	425.58	426.00	426.00	425.86	425.71	425.48	12	
	13	427.44	427.18	427.06	426.90	426.37	425.99	425.55-	425.99	426.01	425.86	425.70	425.48	13	
	m ü.M.	14	427.50	427.18	426.98	426.87	426.35	425.96	425.55-	425.98	425.98	425.87	425.71	425.47	14
		15	427.50	427.21	427.01	426.82	426.32	425.95	425.61	425.96	425.98	425.87	425.71	425.46	15
		16	427.58	427.23+	427.06	426.79	426.36	425.92	425.68	426.02	425.98	425.87	425.69	425.50	16
		17	427.60+	427.14	426.99	426.76	426.41	425.93	425.69	426.07	425.99	425.88	425.68	425.45	17
		18	427.60+	427.07-	426.90	426.75	426.42	425.88	425.70	426.10	425.98	425.90	425.67	425.44	18
		19	427.54	427.11	426.91	426.74	426.39	425.85	425.71	426.10	425.95	425.88	425.67	425.42	19
		20	427.52	427.12	426.96	426.75	426.39	425.84	425.70	426.13	425.94-	425.86	425.66	425.43	20
		21	427.46	427.14	426.97	426.73	426.39	425.82	425.73	426.16	425.97	425.86	425.66	425.41	21
		22	427.46	427.12	426.93	426.72	426.36	425.81	425.74	426.18	425.97	425.87	425.64	425.40-	22
		23	427.43	427.07-	426.92	426.67	426.34	425.78	425.76	426.17	425.99	425.88	425.62	425.41	23
	24	427.41	427.08	426.92	426.63	426.33	425.76	425.78	426.15	425.98	425.89	425.61	425.42	24	
	+ Maximum	25	427.42	427.11	426.97	426.62	426.33	425.74	425.84	426.19+	425.96	425.89	425.61	425.43	25
		26	427.38	427.19	426.97	426.59	426.32	425.74	425.84	426.19+	425.94-	425.85	425.60	425.45	26
	- Minimum	27	427.26	427.16	426.99	426.57	426.28	425.72	425.86	426.11	425.95	425.85	425.60	425.47	27
		28	427.21	427.13	427.01	426.56	426.27	425.70	425.90	426.13	425.96	425.82-	425.59	425.50	28
		29	427.19-		426.95	426.54	426.26	425.67	425.93	426.13	425.95	425.82-	425.58	425.53	29
		30	427.22		426.85	426.53-	426.25	425.65-	425.97	426.13	425.94-	425.82-	425.57-	425.50	30
		31	427.19-		426.80-	426.53-	426.22-	425.65-	425.99+	426.11	425.94-	425.82-	425.57-	425.51+	31
Monatsumme		427.39+	427.15	427.02	426.78	426.36	425.94	425.70	426.06	426.00	425.87	425.70	425.49-	m ü.M.	
Spitze Datum	427.63+ 18.	427.25 16.	427.21 2.	427.06 7.	426.53 2.	426.21 1.	426.01 31.	426.23 26.	426.10 1.	425.94 1.	425.84 3.	425.64- 31.	m ü.M.		
Amplitude	0.47	0.24	0.44	0.56	0.36	0.58+	0.50	0.30	0.19	0.13-	0.28	0.24	m		

Jahr Mittel: 426.28 Spitze: 427.63 (18.01.2011) Minimum: 425.40 (22.12.2011) Amplitude: 2.23



Periode 1999 - 2011 (13 Jahre)													
Monatsumme	426.29	426.23	426.23	426.34	426.35	426.38+	426.24	426.30	426.22	426.21	426.23	426.17-	m ü.M.
Monats-Spitze Jahr	428.83 2000	428.62 2000	428.44 2009	428.33 2001	428.41 2009	428.26 2001	427.94 2001	427.89 2001	427.56- 2010	429.04+ 1999	429.03 1999	428.74 1999	m ü.M.
Monats-Minimum Jahr	424.23 2005	424.19 2005	424.18- 2005	424.20 2005	424.94+ 2004	424.87 2002	424.58 2002	424.80 2003	424.51 2003	424.43 2003	424.31 2003	424.27 2003	m ü.M.
Monats-Amplitude Jahr	0.72 2009	1.67 2000	1.22 2001	1.45 2001	1.19 2002	1.63 2002	2.54+ 2001	1.06 2001	1.92 2001	0.56- 2010	1.03 2002	0.68 2002	m
Periode	Mittel: 426.26		Spitze: 429.04 (01.10.1999)				Minimum: 424.18 (09.03.2005)				Amplitude: 4.86		



Grundwasserstände



Orpheus Mini

Nr. 6217 Cham - Ebnetwald

Koordinaten: 676'936 / 229'936

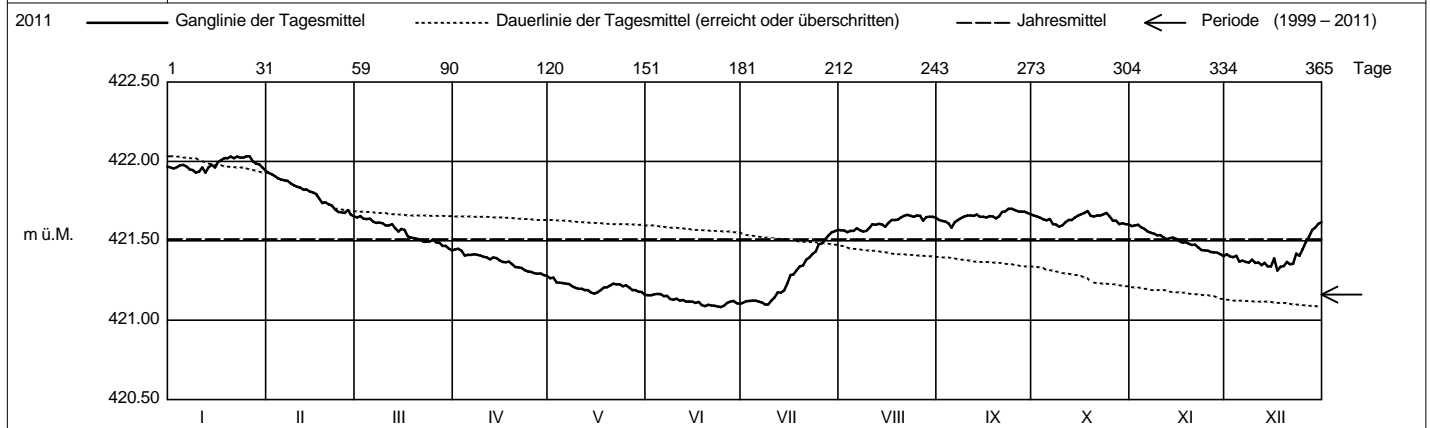
Abstichpunkt: 453.04 m ü.M. OK Terrain: 452.11 m ü.M.

KANTON ZUG

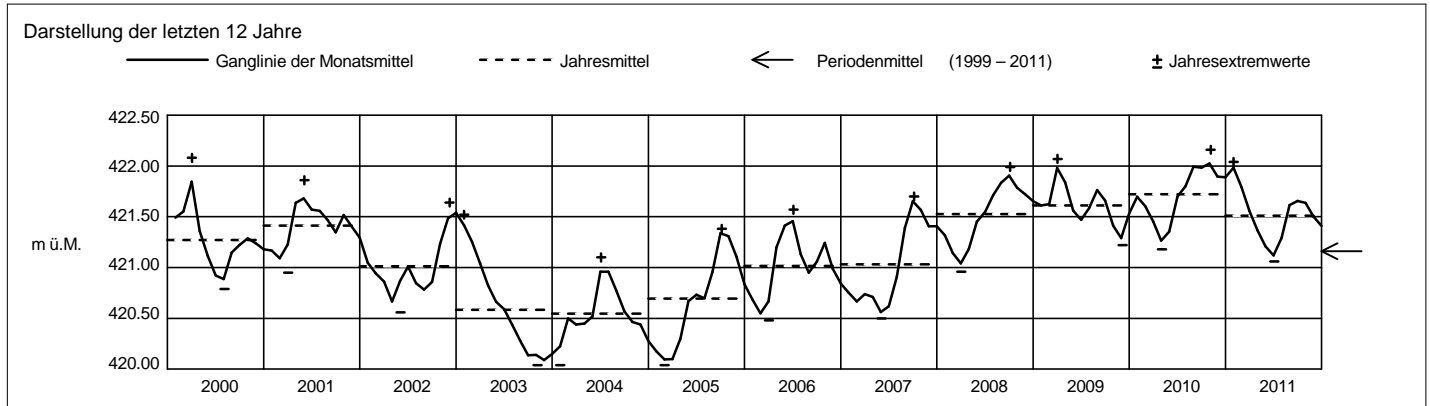
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	421.97	421.93+	421.65	421.45+	421.27+	421.16	421.11	421.57	421.63	421.66	421.59	421.42	1
	2	421.96	421.92	421.66+	421.45+	421.27+	421.16	421.12	421.57	421.63	421.65	421.60+	421.40	2
	3	421.96	421.91	421.64	421.44	421.24	421.16	421.12	421.56-	421.62	421.65	421.60+	421.40	3
	4	421.98	421.89	421.64	421.41	421.24	421.17+	421.12	421.56-	421.61	421.64	421.59	421.41	4
	5	421.98	421.89	421.64	421.41	421.24	421.16	421.12	421.56-	421.61	421.63	421.58	421.37	5
	6	421.97	421.88	421.62	421.41	421.23	421.15	421.12	421.58	421.62	421.64	421.56	421.38	6
	7	421.95	421.88	421.61	421.42	421.23	421.15	421.11	421.57	421.63	421.61	421.55	421.37	7
	8	421.95	421.86	421.62	421.41	421.22	421.13	421.10-	421.56-	421.64	421.60	421.55	421.36	8
	9	421.93-	421.85	421.61	421.41	421.20	421.13	421.10-	421.56-	421.65	421.59-	421.53	421.38	9
	10	421.94	421.84	421.60	421.40	421.20	421.14	421.12	421.56-	421.66	421.60	421.54	421.36	10
m ü.M.	11	421.96	421.84	421.60	421.40	421.20	421.12	421.14	421.61	421.66	421.62	421.52	421.36	11
	12	421.93-	421.82	421.61	421.38	421.19	421.13	421.18	421.66	421.66	421.62	421.51	421.35	12
	13	421.97	421.82	421.58	421.40	421.19	421.12	421.17	421.61	421.67	421.63	421.52	421.36	13
	14	421.98	421.81	421.56	421.39	421.17	421.12	421.19	421.60	421.65	421.65	421.52	421.34	14
	15	421.96	421.81	421.58	421.38	421.17	421.12	421.23	421.59	421.65	421.66	421.51	421.34	15
	16	422.00	421.79	421.57	421.37	421.18	421.11	421.28	421.61	421.65	421.67	421.50	421.39	16
	17	422.01	421.76	421.53	421.37	421.19	421.12	421.29	421.61	421.66	421.68	421.49	421.31-	17
	18	422.02	421.74	421.52	421.37	421.21	421.10	421.31	421.63	421.65	421.69+	421.49	421.34	18
	19	422.02	421.74	421.52	421.35	421.21	421.09	421.34	421.63	421.64	421.66	421.48	421.34	19
	20	422.03+	421.73	421.51	421.34	421.22	421.10	421.35	421.65	421.66	421.65	421.48	421.37	20
+ Maximum	21	422.02	421.72	421.51	421.33	421.23	421.09	421.38	421.66+	421.68	421.66	421.48	421.35	21
	22	422.03+	421.70	421.50	421.33	421.23	421.09	421.40	421.66+	421.69	421.66	421.46	421.36	22
	23	422.03+	421.68	421.49	421.31	421.23	421.09	421.42	421.66+	421.70+	421.67	421.44	421.42	23
	24	422.02	421.68	421.50	421.31	421.21	421.08-	421.43	421.65	421.70+	421.68	421.44	421.41	24
	25	422.03+	421.68	421.51	421.31	421.22	421.09	421.48	421.66+	421.69	421.65	421.44	421.45	25
	26	422.03+	421.70	421.49	421.30	421.21	421.11	421.48	421.66+	421.69	421.63	421.43	421.49	26
	27	422.00	421.67	421.49	421.29	421.19	421.12	421.51	421.63	421.69	421.63	421.43	421.53	27
	28	421.99	421.65-	421.47	421.30	421.19	421.12	421.53	421.65	421.69	421.61	421.43	421.57	28
	29	421.98		421.47	421.29	421.18	421.11	421.55	421.65	421.68	421.61	421.42	421.58	29
	30	421.96		421.45	421.28-	421.18	421.10	421.56	421.65	421.67	421.61	421.40-	421.61	30
31	421.94		421.44-		421.16-		421.57+	421.65	421.67	421.60	421.62+	421.62+	31	
Monatsumme		421.98+	421.79	421.55	421.37	421.21	421.12-	421.29	421.61	421.66	421.64	421.50	421.41	m ü.M.
Spitze Datum		20.	1.	2.	2.	2.	4.	29.	26.	23.	18.	2.	30.	m ü.M.
Amplitude		0.13	0.30	0.24	0.21	0.16	0.12-	0.50+	0.15	0.15	0.13	0.22	0.34	m

Jahr Mittel: 421.51 Spitze: 422.04 (20.01.2011) Minimum: 421.06 (22.06.2011) Amplitude: 0.98



Periode		1999 - 2011 (13 Jahre)												
Monatsumme		421.13	421.07-	421.08	421.07-	421.09	421.14	421.15	421.25	421.28	421.30+	421.21	421.17	m ü.M.
Monats-Spitze Jahr		422.04 2011	421.94 2011	422.08 2000	422.04 2000	421.86- 2001	421.92 2010	421.93 2010	422.08 2010	422.08 2010	422.16+ 2010	422.02 2010	422.04 2010	m ü.M.
Monats-Minimum Jahr		420.04- 2004	420.04- 2005	420.06 2005	420.07 2005	420.44 2004	420.50+ 2003	420.37 2003	420.18 2003	420.06 2003	420.04- 2003	420.05 2003	420.09 2003	m ü.M.
Monats-Amplitude Jahr		0.43 2004	0.64 2005	0.60 2001	0.81+ 2000	0.45 2002	0.55 2004	0.50 2011	0.65 2005	0.37 2002	0.26- 2010	0.37 2002	0.39 2009	m
Periode		Mittel: 421.16	Spitze: 422.16 (04.10.2010)					Minimum: 420.04 (03.10.2003)				Amplitude: 2.12		



Grundwasserstände



Orpheus Mini

Nr. 6223 Cham - Hatwil KB 2/09

Koordinaten: 675'854.45 / 230'065.49

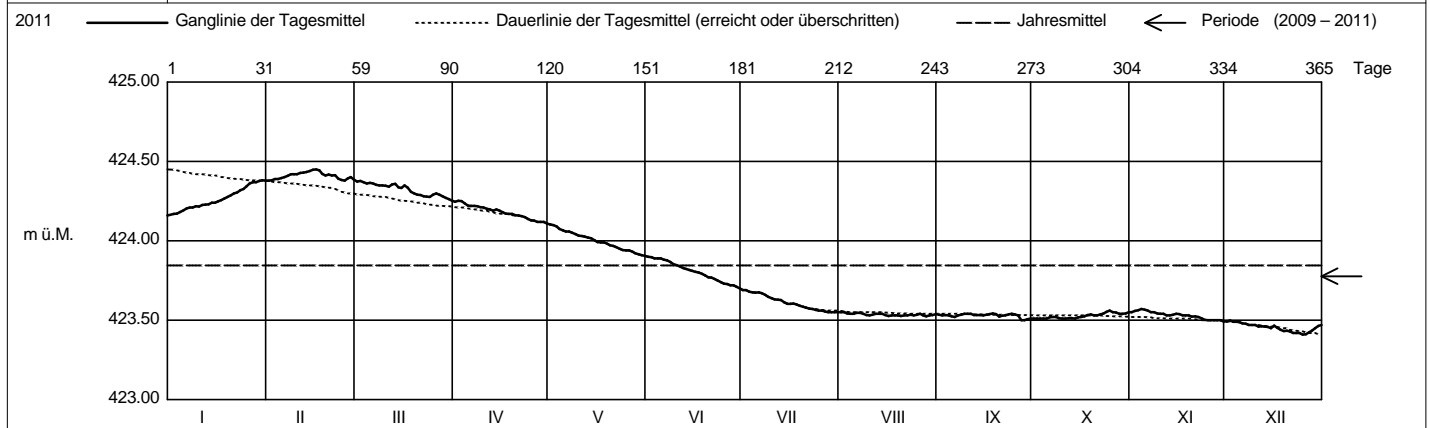
Abstichpunkt: 443.13 m ü.M. OK Terrain: 443.43 m ü.M.

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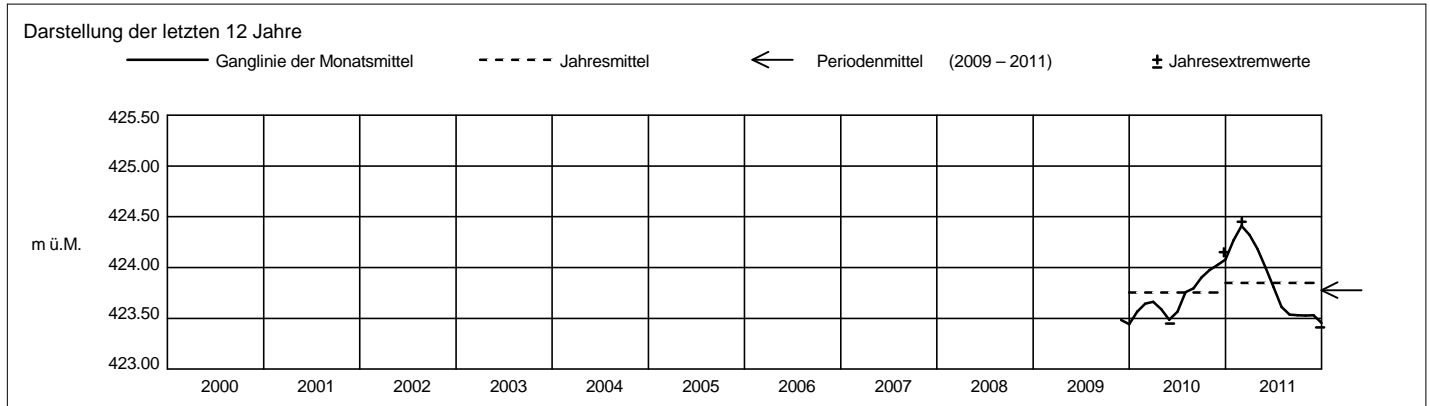
Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	424.16-	424.38-	424.37	424.25+	424.10+	423.90+	423.69+	423.55+	423.53	423.51-	423.55	423.49	1
	2	424.17	424.38-	424.38+	424.25+	424.10+	423.90+	423.69+	423.55+	423.53	423.51-	423.56	423.50+	2
	3	424.17	424.39	424.37	424.25+	424.09	423.89	423.68	423.54	423.53	423.51-	423.56	423.49	3
	4	424.18	424.39	424.36	424.24	424.08	423.89	423.68	423.54	423.53	423.51-	423.57+	423.49	4
	5	424.19	424.40	424.37	424.22	424.07	423.89	423.67	423.54	423.52	423.51-	423.57+	423.49	5
	6	424.20	424.40	424.36	424.22	424.06	423.88	423.68	423.55+	423.52	423.52	423.56	423.48	6
	7	424.21	424.41	424.35	424.22	424.06	423.88	423.67	423.55+	423.53	423.52	423.55	423.48	7
	8	424.21	424.42	424.35	424.22	424.05	423.87	423.66	423.54	423.54+	423.52	423.55	423.47	8
	9	424.22	424.42	424.35	424.21	424.04	423.85	423.65	423.53	423.54+	423.51-	423.54	423.47	9
	10	424.22	424.42	424.35	424.21	424.03	423.85	423.64	423.53	423.53	423.51-	423.54	423.47	10
m ü.M.	11	424.23	424.43	424.34	424.20	424.03	423.84	423.63	423.53	423.54+	423.51-	423.54	423.46	11
	12	424.23	424.43	424.36	424.20	424.03	423.83	423.63	423.53	423.54+	423.51-	423.53	423.46	12
	13	424.23	424.44	424.36	424.19	424.02	423.82	423.63	423.54	423.53	423.51-	423.53	423.46	13
	14	424.24	424.44	424.34	424.20	424.02	423.82	423.61	423.54	423.53	423.51-	423.54	423.46	14
	15	424.24	424.45+	424.33	424.19	424.01	423.81	423.60	423.53	423.53	423.52	423.54	423.45	15
	16	424.25	424.45+	424.35	424.18	423.99	423.81	423.60	423.53	423.54+	423.52	423.54	423.47	16
	17	424.26	424.44	424.34	424.17	423.99	423.80	423.61	423.53	423.54+	423.52	423.53	423.45	17
	18	424.27	424.42	424.31	424.17	423.99	423.79	423.60	423.53	423.54+	423.53	423.53	423.44	18
	19	424.28	424.41	424.30	424.17	423.98	423.78	423.59	423.53	423.54+	423.54	423.53	423.43	19
	20	424.29	424.42	424.29	424.16	423.97	423.77	423.59	423.53	423.52	423.53	423.52	423.43	20
	+ Maximum	21	424.30	424.41	424.29	424.16	423.97	423.77	423.58	423.53	423.53	423.53	423.52	423.43
22		424.31	424.41	424.28	424.16	423.96	423.76	423.57	423.53	423.53	423.54	423.52	423.42	22
23		424.32	424.39	424.28	424.15	423.95	423.75	423.57	423.53	423.54+	423.54	423.51	423.42	23
24		424.33	424.38-	424.28	424.14	423.94	423.74	423.56	423.53	423.54+	423.55	423.50	423.42	24
25		424.34	424.38-	424.29	424.13	423.94	423.73	423.56	423.53	423.54+	423.56+	423.50	423.41-	25
26		424.36	424.39	424.30	424.13	423.94	423.73	423.56	423.54	423.53	423.55	423.50	423.41-	26
27		424.37	424.40	424.29	424.12	423.93	423.72	423.56	423.53	423.50-	423.55	423.50	423.42	27
28		424.37	424.39	424.28	424.12	423.92	423.72	423.55-	423.52-	423.50-	423.54	423.50	423.44	28
29		424.38+		424.27	424.12	423.92	423.71	423.55-	423.53	423.51	423.54	423.50	423.45	29
30		424.38+		424.26	424.11-	423.91-	423.70-	423.55-	423.53	423.51	423.54	423.49-	423.47	30
31		424.38+		424.25-		423.91-		423.55-	423.54	423.51	423.55	423.47	423.47	31
Monatsumme	424.27	424.41+	424.32	424.18	424.00	423.81	423.61	423.54	423.53	423.53	423.53	423.45-	m ü.M.	
Spitze Datum	424.39 30.	424.45+ 15.	424.38 1.	424.26 2.	424.11 1.	423.91 1.	423.69 1.	423.55 1.	423.55 18.	423.56 24.	423.57 3.	423.50- 1.	m ü.M.	
Amplitude	0.24+	0.07	0.13	0.15	0.21	0.21	0.14	0.03-	0.05	0.05	0.08	0.09	m	

Jahr Mittel: 423.84 Spitze: 424.45 (15.02.2011) Minimum: 423.41 (24.12.2011) Amplitude: 1.04



Periode		2009 - 2011 (3 Jahre)											
Monatsumme	423.92	424.03+	423.99	423.89	423.74	423.69	423.68	423.67	423.72	423.75	423.70	423.66-	m ü.M.
Monats-Spitze Jahr	424.39 2011	424.45+ 2011	424.38 2011	424.26 2011	424.11 2011	423.91 2011	423.81- 2010	423.85 2010	423.93 2010	424.02 2010	424.05 2010	424.15 2010	m ü.M.
Monats-Minimum Jahr	423.47 2010	423.60 2010	423.64+ 2010	423.53 2010	423.45 2010	423.49 2010	423.55 2011	423.52 2011	423.50 2011	423.51 2011	423.43 2009	423.38- 2009	m ü.M.
Monats-Amplitude Jahr	0.24+ 2011	0.08- 2010	0.13 2010	0.15 2010	0.21 2011	0.21 2011	0.14 2011	0.10 2010	0.08- 2010	0.09 2010	0.10 2009	0.14 2010	m
Periode	Mittel: 423.78	Spitze: 424.45 (15.02.2011)					Minimum: 423.38 (08.12.2009)					Amplitude: 1.07	



Grundwasserstände



Orpheus Mini

Nr. 6224 Cham - Hubletzen KB 4/09

Koordinaten: 675'351.89/ 230'0218.78

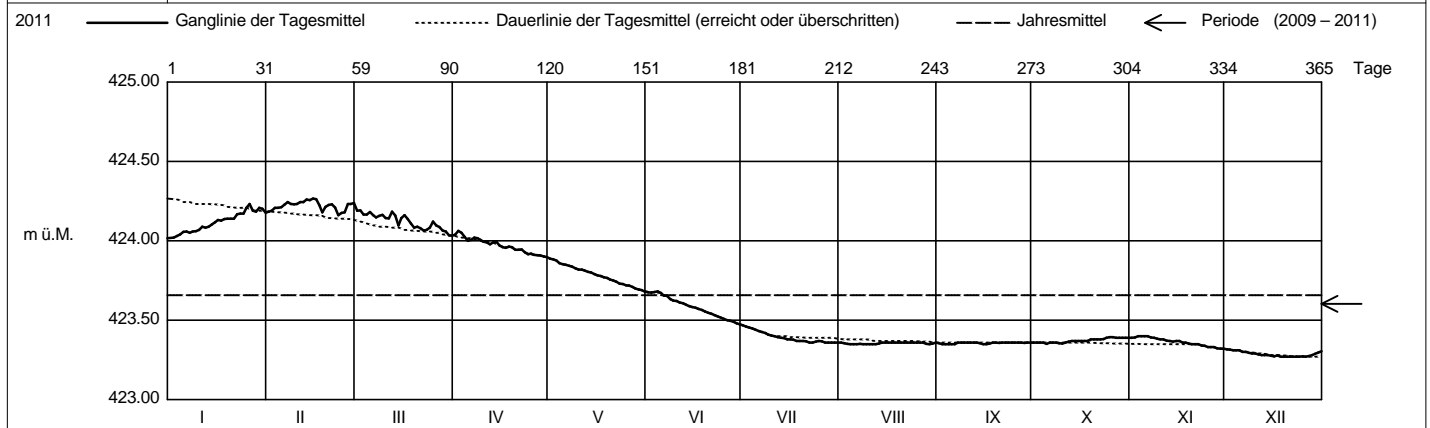
Abstichpunkt: 439.99 m ü.M. OK Terrain: 440.16 m ü.M.

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Amt für Umweltschutz

2011		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	424.02-	424.18	424.19+	424.04	423.89+	423.68+	423.47+	423.36+	423.35-	423.36	423.39	423.32+	1
	2	424.02-	424.19	424.19+	424.06+	423.88	423.67	423.46	423.35-	423.35-	423.36	423.39	423.32+	2
	3	424.03	424.21	424.17	424.05	423.88	423.68+	423.45	423.35-	423.35-	423.36	423.40+	423.31	3
	4	424.04	424.21	424.17	424.03	423.86	423.68+	423.45	423.35-	423.35-	423.36	423.40+	423.31	4
	5	424.06	424.21	424.18	424.00	423.85	423.67	423.44	423.35-	423.35-	423.35-	423.40+	423.31	5
	6	424.06	424.23	424.16	424.01	423.85	423.66	423.43	423.35-	423.35-	423.36	423.40+	423.30	6
	7	424.05	424.25	424.15	424.02	423.84	423.65	423.43	423.35-	423.36+	423.36	423.39	423.30	7
	8	424.06	424.23	424.16	424.02	423.84	423.63	423.42	423.35-	423.36+	423.36	423.39	423.30	8
	9	424.06	424.23	424.16	424.01	423.83	423.62	423.41	423.35-	423.36+	423.36	423.38	423.29	9
	10	424.07	424.23	424.14	423.99	423.82	423.62	423.40	423.35-	423.36+	423.35-	423.38	423.29	10
m ü.M.	11	424.09	424.25	424.14	423.99	423.82	423.61	423.40	423.35-	423.36+	423.36	423.38	423.29	11
	12	424.08	424.25	424.18	423.98	423.81	423.61	423.39	423.35-	423.36+	423.37	423.37	423.28	12
	13	424.09	424.26	424.16	423.99	423.81	423.60	423.39	423.35-	423.36+	423.37	423.37	423.28	13
	14	424.10	424.26	424.10	423.99	423.80	423.59	423.39	423.36+	423.36+	423.37	423.37	423.28	14
	15	424.12	424.27+	424.14	423.97	423.79	423.58	423.38	423.36+	423.35-	423.37	423.37	423.28	15
	16	424.13	424.26	424.16	423.96	423.78	423.58	423.38	423.36+	423.35-	423.37	423.37	423.27-	16
	17	424.13	424.23	424.14	423.96	423.78	423.57	423.38	423.36+	423.35-	423.37	423.36	423.28	17
	18	424.14	424.18	424.11	423.96	423.77	423.57	423.37	423.36+	423.36+	423.37	423.36	423.27-	18
	19	424.14	424.21	424.08	423.96	423.77	423.56	423.37	423.36+	423.36+	423.38	423.35	423.27-	19
	20	424.14	424.23	424.09	423.95	423.76	423.55	423.37	423.36+	423.36+	423.38	423.35	423.27-	20
+ Maximum	21	424.14	424.23	424.08	423.95	423.75	423.54	423.37	423.36+	423.36+	423.38	423.35	423.27-	21
	22	424.17	424.21	424.07	423.95	423.74	423.53	423.36-	423.36+	423.36+	423.38	423.35	423.27-	22
	23	424.17	424.16-	424.07	423.93	423.73	423.53	423.36-	423.36+	423.36+	423.38	423.34	423.27-	23
	24	424.17	424.18	424.08	423.92	423.73	423.52	423.37	423.36+	423.36+	423.39+	423.34	423.27-	24
	25	424.21	424.18	424.12	423.92	423.72	423.51	423.37	423.36+	423.36+	423.39+	423.33	423.27-	25
	26	424.23+	424.23	424.10	423.91	423.72	423.50	423.37	423.36+	423.36+	423.39+	423.33	423.27-	26
	27	424.19	424.23	424.09	423.91	423.71	423.50	423.36-	423.36+	423.36+	423.39+	423.33	423.28	27
	28	424.18	424.24	424.07	423.91	423.70	423.49	423.36-	423.36+	423.36+	423.39+	423.32-	423.28	28
	29	424.21		424.06	423.90-	423.69	423.48	423.36-	423.35-	423.36+	423.39+	423.32-	423.29	29
	30	424.20		424.04	423.90-	423.69	423.47-	423.36-	423.36+	423.36+	423.39+	423.32-	423.30	30
31	424.18		424.03-		423.68-		423.36-	423.36+		423.39+		423.31	31	
Monatsumme	424.12	424.22+	424.12	423.97	423.78	423.58	423.39	423.36	423.36	423.36	423.37	423.36	423.29-	m ü.M.
Spitze Datum	26.	13.	1.	2.	1.	4.	1.	1.	1.	1.	25.	2.	1.	m ü.M.
Amplitude	0.23+	0.13	0.22	0.19	0.21	0.22	0.11	0.01-	0.01-	0.05	0.08	0.05		m

Jahr Mittel: 423.66 Spitze: 424.28 (13.02.2011) Minimum: 423.27 (15.12.2011) Amplitude: 1.01



Periode		2009 - 2011 (3 Jahre)												
Monatsumme		423.77	423.86+	423.82	423.69	423.55	423.50	423.47-	423.50	423.55	423.59	423.54	423.50	m ü.M.
Monats-Spitze Jahr		424.24 2011	424.28+ 2011	424.24 2011	424.08 2011	423.89 2011	423.69 2011	423.59- 2010	423.75 2010	423.80 2010	423.86 2010	423.89 2010	424.01 2010	m ü.M.
Monats-Minimum Jahr		423.26 2010	423.41 2010	423.46+ 2010	423.35 2010	423.30 2010	423.35 2010	423.36 2011	423.35 2011	423.35 2011	423.35 2011	423.24 2009	423.20- 2009	m ü.M.
Monats-Amplitude Jahr		0.31+ 2010	0.20 2010	0.22 2011	0.19 2011	0.21 2011	0.22 2011	0.11 2011	0.17 2010	0.11 2010	0.08- 2010	0.09 2009	0.19 2009	m
Periode		Mittel: 423.60 Spitze: 424.28 (13.02.2011) Minimum: 423.20 (09.12.2009) Amplitude: 1.08												

