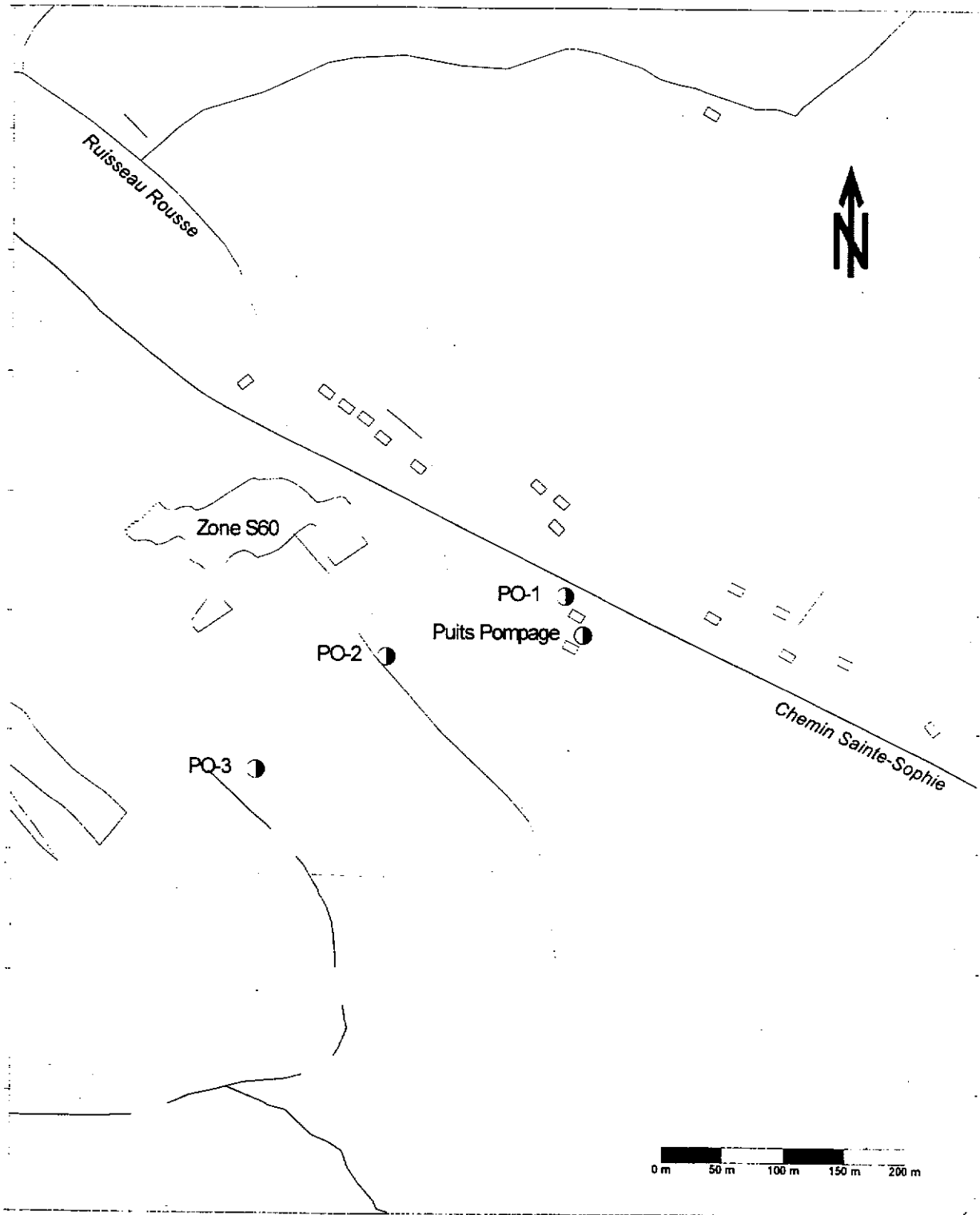


Annexe IX

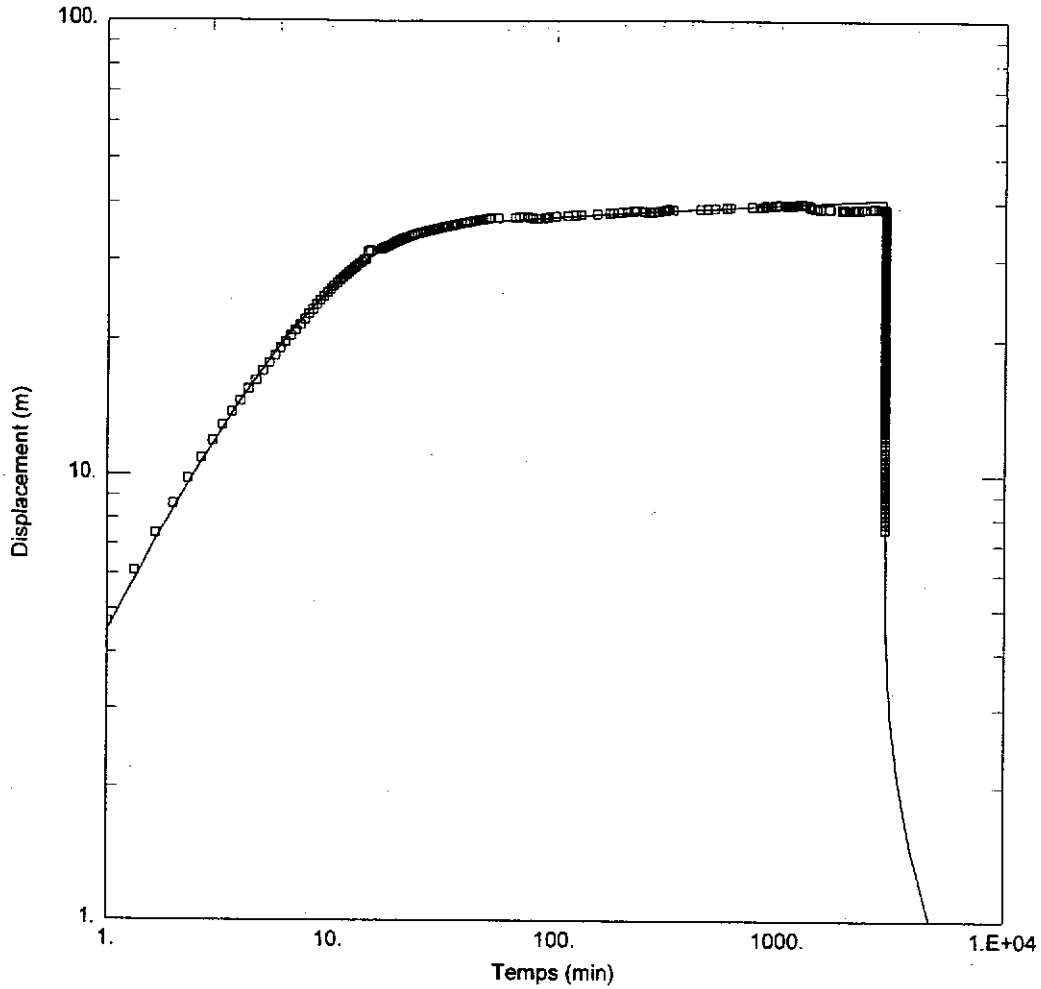
Données de l'essai de pompage

LOCALISATION DES PUIES ESSAI DE POMPAGE



**PARAMÈTRES DES PUIITS
ESSAI DE POMPAGE**

Puits	Coordonnées		Profondeur roc (m)	Profondeur puits (m)	Tubage	Élévation (m NMM)	
	Nord	Est				Sol	Nappe (05-08-99)
Puits de pompage	5040481.97	262373.84	62.5	95.1	82.045	83.08	> 82.045 (artésien)
Puits d'observation no.1	5040514.30	262358.66	>46.9	46.9	83.748	82.72	> 83.748 (artésien)
Puits d'observation no.2	5040463.53	262210.72	5.3	7.6	77.913	77.19	75.582
Puits d'observation no.3	5040368.34	262103.85	7.7	16.8	86.792	85.92	81.627



ESSAI DE POMPAGE - PUIITS DE POMPAGE

AQUIFER DATA

Saturated Thickness: 32.6 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (m)	Y (m)	Well Name	X (m)	Y (m)
Pompape	0	0	o Pompape	0.0762	0.0762

SOLUTION

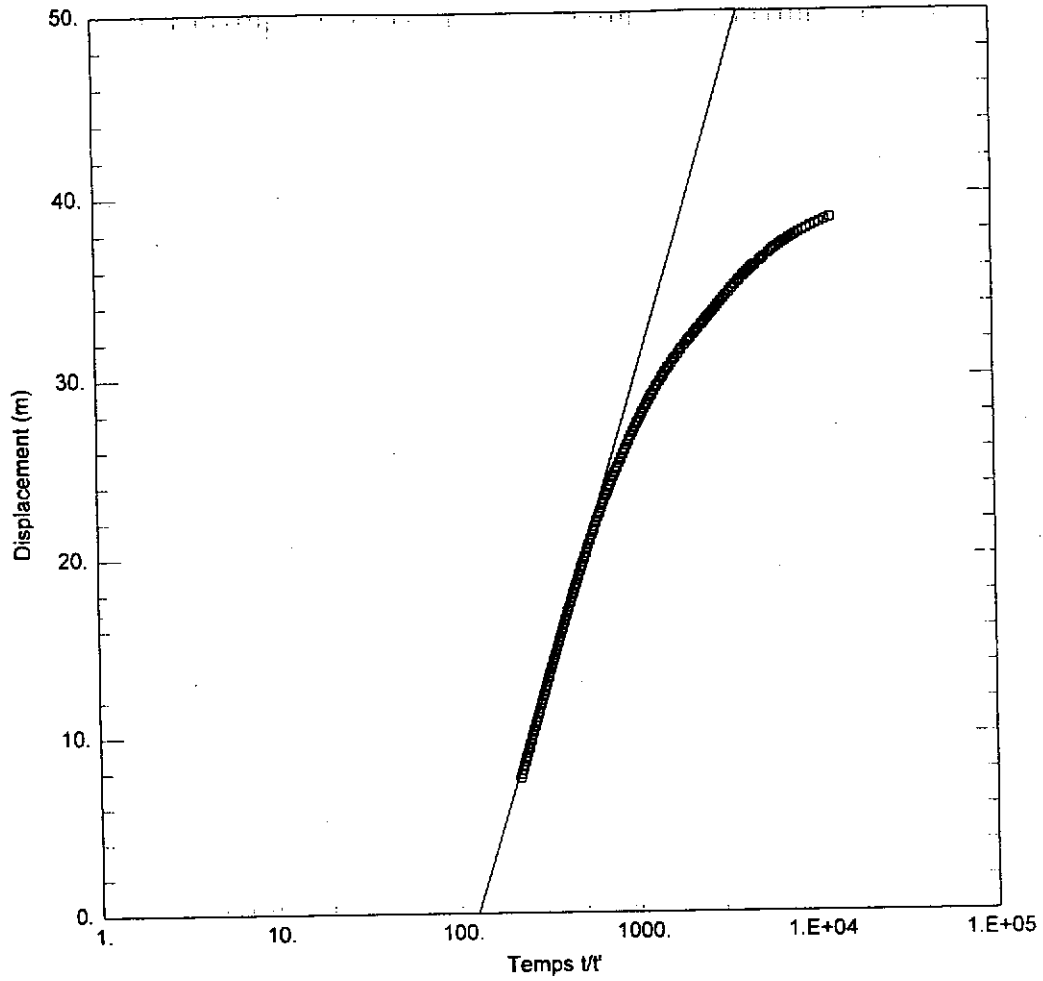
Aquifer Model: Confined

Solution Method: Papadopulos-Cooper

T = 0.00012 m²/sec

S = 7.E-15

Rw = 0.0762 m



ESSAI DE POMPAGE - PUIITS DE POMPAGE

AQUIFER DATA

Saturated Thickness: 32.6 m

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (m)	Y (m)	Well Name	X (m)	Y (m)
Pompape	0	0	□ Pompape	0.0762	0.0762

SOLUTION

Aquifer Model: Confined

Solution Method: Theis (Recovery)

T = 8.278E-06 m²/sec

S' = 123.2

Data Set: P:\pro_fac\20500\20611\hydrogeologie\essai pompage\resultats\PP_rabat_essai2.aqt

PROJECT INFORMATION

Company: ROCHE LTEE, GROUPE CONSEIL
 Client: NIOCAN
 Project: 20611-000
 Location: OKA
 Test Date: 5 AOÛT 1999
 Test Well: Puits POMPAGE

PUMPING WELL DATA

Number of pumping wells: 1

Pumping Well No. 1: Pompage

X Location: 0. m
 Y Location: 0. m

No. of pumping periods: 2

Pumping Period Data			
Time (min)	Rate (L/min)	Time (min)	Rate (L/min)
0.	90.	2936.3	0.

OBSERVATION WELL DATA

Number of observation wells: 1

Observation Well No. 1: Pompage

X Location: 0.0762 m
 Y Location: 0.0762 m

No. of observations: 364

Observation Data							
Time (min)	Displacement (m)	Time (min)	Displacement (m)	Time (min)	Displacement (m)	Time (min)	Displacement (m)
0.33	2.3	68.	37.17	2936.8	36.95	2941.	22.7
0.67	3.1	71.67	37.27	2936.8	36.84	2941.1	22.5
1.	4.7	76.	37.17	2936.8	36.73	2941.1	22.4
1.33	6.1	78.	37.06	2936.9	36.52	2941.2	22.2
1.67	7.4	80.67	36.96	2936.9	36.41	2941.3	22.
2.	8.6	88.	37.06	2936.9	36.3	2941.3	21.9
2.33	9.8	90.	37.16	2936.9	36.09	2941.4	21.7
2.67	10.9	92.	37.26	2937.	35.99	2941.5	21.5
3.	11.9	98.67	37.37	2937.	35.89	2941.5	21.4
3.33	12.9	111.7	37.47	2937.	35.78	2941.6	21.2
3.67	13.8	121.7	37.58	2937.	35.68	2941.7	21.
4.	14.6	128.	37.69	2937.	35.58	2941.8	20.9
4.33	15.5	151.7	37.8	2937.	35.48	2941.8	20.7
4.67	16.2	172.3	37.9	2937.1	35.28	2941.9	20.5
5.	17.	178.7	38.01	2937.1	35.18	2942.	20.4
5.33	17.7	196.	38.12	2937.1	34.99	2942.1	20.2
5.67	18.4	206.7	38.22	2937.2	34.8	2942.2	20.
6.	19.1	222.3	38.33	2937.2	34.61	2942.2	19.9
6.33	19.7	228.3	38.44	2937.2	34.43	2942.3	19.7
6.67	20.31	245.	38.34	2937.3	34.25	2942.4	19.5
7.	20.91	249.3	38.24	2937.3	34.08	2942.4	19.4
7.33	21.49	261.3	38.14	2937.3	33.9	2942.5	19.2

Time (min)	Displacement (m)	Time (min)	Displacement (m)	Time (min)	Displacement (m)	Time (min)	Displacement (m)
7.67	22.1	274.3	38.24	2937.4	33.74	2942.6	19.
8.	22.68	288.7	38.34	2937.4	33.58	2942.7	18.9
8.33	23.23	301.7	38.44	2937.4	33.43	2942.8	18.7
8.67	23.79	306.7	38.55	2937.5	33.28	2942.9	18.5
9.	24.3	311.7	38.65	2937.5	33.14	2942.9	18.4
9.33	24.78	319.3	38.76	2937.5	33.	2943.	18.2
9.67	25.26	331.3	38.66	2937.5	32.9	2943.1	18.
10.	25.7	440.3	38.76	2937.6	32.8	2943.2	17.9
10.33	26.12	471.3	38.87	2937.6	32.6	2943.3	17.7
10.67	26.53	510.	38.97	2937.7	32.5	2943.4	17.5
11.	26.91	575.	39.08	2937.7	32.4	2943.4	17.4
11.33	27.27	598.	39.19	2937.7	32.3	2943.5	17.2
11.67	27.62	749.	39.3	2937.8	32.1	2943.6	17.
12.	27.96	830.7	39.2	2937.8	32.	2943.7	16.9
12.33	28.3	856.	39.3	2937.8	31.9	2943.8	16.7
12.67	28.63	866.7	39.4	2937.9	31.7	2943.9	16.5
13.	28.94	879.7	39.51	2937.9	31.5	2943.9	16.4
13.33	29.23	906.3	39.41	2938.	31.4	2944.	16.2
13.67	29.51	955.7	39.51	2938.	31.2	2944.2	16.
14.	29.78	962.3	39.62	2938.1	31.	2944.3	15.8
14.33	29.93	994.	39.72	2938.1	30.9	2944.3	15.7
14.67	31.12	1048.7	39.62	2938.2	30.7	2944.4	15.5
15.	31.29	1070.	39.52	2938.2	30.5	2944.5	15.3
16.67	31.47	1111.	39.42	2938.3	30.4	2944.6	15.2
17.	31.63	1137.7	39.52	2938.3	30.2	2944.7	15.
17.33	31.79	1175.	39.62	2938.4	30.	2944.8	14.8
17.67	31.94	1198.7	39.72	2938.4	29.9	2944.9	14.7
18.	32.09	1231.	39.83	2938.5	29.7	2945.	14.5
18.33	32.25	1265.3	39.73	2938.6	29.5	2945.1	14.3
18.67	32.41	1270.7	39.63	2938.6	29.4	2945.2	14.2
19.	32.55	1343.3	39.53	2938.6	29.2	2945.3	14.
19.33	32.7	1345.	39.43	2938.7	29.	2945.5	13.8
19.67	32.84	1350.3	39.32	2938.7	28.9	2945.5	13.7
20.	32.97	1360.3	39.21	2938.8	28.7	2945.6	13.5
20.33	33.09	1371.7	39.11	2938.9	28.5	2945.8	13.3
20.67	33.22	1413.3	39.	2938.9	28.4	2945.8	13.2
21.	33.33	1457.	38.89	2939.	28.2	2946.	13.
21.33	33.44	1500.3	38.79	2939.	28.	2946.1	12.8
22.	33.65	1648.7	38.89	2939.1	27.9	2946.2	12.7
22.67	33.83	1661.7	38.79	2939.1	27.7	2946.3	12.5
23.33	34.	1876.7	38.68	2939.2	27.5	2946.4	12.3
24.	34.16	1901.	38.78	2939.2	27.4	2946.5	12.2
24.67	34.3	1916.3	38.68	2939.3	27.2	2946.6	12.
25.33	34.43	1934.3	38.57	2939.4	27.	2946.8	11.8
26.	34.54	2003.	38.67	2939.4	26.9	2946.8	11.7
26.67	34.67	2145.7	38.77	2939.5	26.7	2947.	11.5
27.33	34.78	2217.7	38.67	2939.6	26.5	2947.1	11.3
28.	34.88	2285.7	38.77	2939.6	26.4	2947.2	11.2
28.67	34.98	2348.7	38.87	2939.7	26.2	2947.3	11.
29.67	35.12	2408.	38.77	2939.7	26.	2947.5	10.8
30.67	35.25	2557.7	38.87	2939.8	25.9	2947.6	10.7
31.67	35.37	2623.	38.97	2939.8	25.7	2947.7	10.5
32.67	35.48	2713.	38.87	2939.9	25.5	2947.9	10.3
34.	35.62	2881.3	38.77	2939.9	25.4	2947.9	10.2
35.	35.73	2936.6	38.64	2940.	25.2	2948.1	10.
36.	35.84	2936.6	38.53	2940.1	25.	2948.3	9.8
37.33	35.95	2936.6	38.4	2940.1	24.9	2948.3	9.7
38.67	36.06	2936.6	38.3	2940.2	24.7	2948.5	9.5
39.67	36.16	2936.6	38.18	2940.3	24.5	2948.7	9.3
41.	36.28	2936.6	38.06	2940.3	24.4	2948.7	9.2

Time (min)	Displacement (m)	Time (min)	Displacement (m)	Time (min)	Displacement (m)	Time (min)	Displacement (m)
42.33	36.39	2936.7	37.96	2940.4	24.2	2948.9	9.
43.67	36.49	2936.7	37.84	2940.5	24.	2949.1	8.8
45.33	36.61	2936.7	37.73	2940.5	23.9	2949.2	8.7
46.67	36.71	2936.7	37.62	2940.6	23.7	2949.3	8.5
48.33	36.81	2936.7	37.51	2940.7	23.5	2949.5	8.3
50.	36.91	2936.7	37.39	2940.7	23.4	2949.6	8.2
51.	37.07	2936.8	37.29	2940.8	23.2	2949.8	8.
55.	36.96	2936.8	37.18	2940.9	23.	2950.	7.8
65.33	37.07	2936.8	37.06	2940.9	22.9	2950.1	7.6

SOLUTION

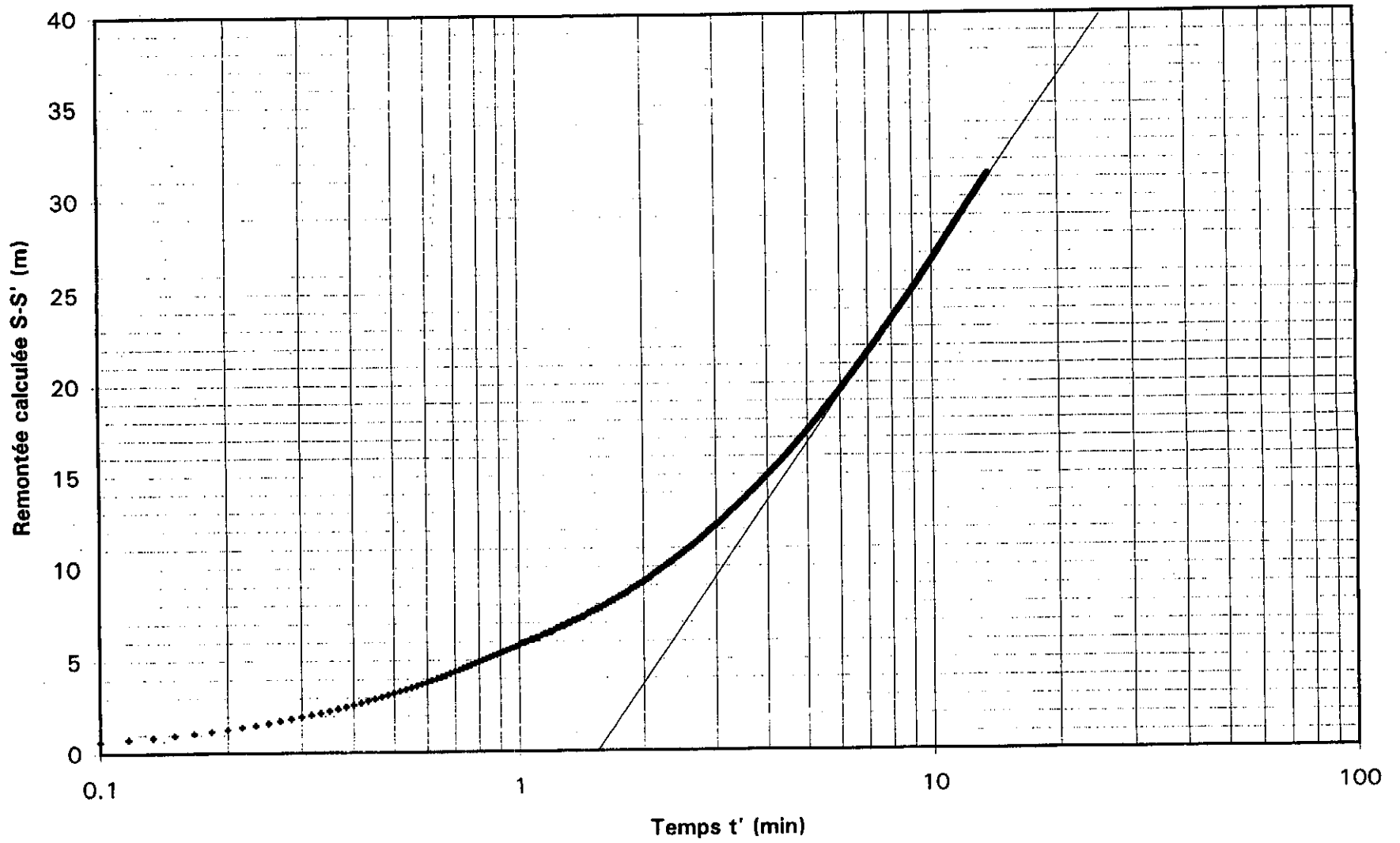
Aquifer Model: Confined
 Solution Method: Papadopulos-Cooper

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	0.00012	m ² /sec
S	7.E-15	
Rw	0.0762	m

GRAPHIQUE REMONTÉE-TEMPS



Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:05:12	2936.5300	0	38.8	38.8	0
1999-08-05	17:05:13	2936.5467	0.0167	38.73	38.8	0.07
1999-08-05	17:05:14	2936.5633	0.0333	38.64	38.8	0.16
1999-08-05	17:05:15	2936.5800	0.0500	38.53	38.8	0.27
1999-08-05	17:05:16	2936.5967	0.0667	38.4	38.8	0.4
1999-08-05	17:05:17	2936.6133	0.0833	38.3	38.8	0.5
1999-08-05	17:05:18	2936.6300	0.1000	38.18	38.8	0.62
1999-08-05	17:05:19	2936.6467	0.1167	38.06	38.8	0.74
1999-08-05	17:05:20	2936.6633	0.1333	37.96	38.8	0.84
1999-08-05	17:05:21	2936.6800	0.1500	37.84	38.8	0.96
1999-08-05	17:05:22	2936.6967	0.1667	37.73	38.8	1.07
1999-08-05	17:05:23	2936.7133	0.1833	37.62	38.8	1.18
1999-08-05	17:05:24	2936.7300	0.2000	37.51	38.8	1.29
1999-08-05	17:05:25	2936.7467	0.2167	37.39	38.8	1.41
1999-08-05	17:05:26	2936.7633	0.2333	37.29	38.8	1.51
1999-08-05	17:05:27	2936.7800	0.2500	37.18	38.8	1.62
1999-08-05	17:05:28	2936.7967	0.2667	37.06	38.8	1.74
1999-08-05	17:05:29	2936.8133	0.2833	36.95	38.8	1.85
1999-08-05	17:05:30	2936.8300	0.3000	36.84	38.8	1.96
1999-08-05	17:05:31	2936.8467	0.3167	36.73	38.8	2.07
1999-08-05	17:05:32	2936.8633	0.3333	36.63	38.8	2.17
1999-08-05	17:05:33	2936.8800	0.3500	36.52	38.8	2.28
1999-08-05	17:05:34	2936.8967	0.3667	36.41	38.8	2.39
1999-08-05	17:05:35	2936.9133	0.3833	36.3	38.8	2.5
1999-08-05	17:05:36	2936.9300	0.4000	36.2	38.8	2.6
1999-08-05	17:05:37	2936.9467	0.4167	36.09	38.8	2.71
1999-08-05	17:05:38	2936.9633	0.4333	35.99	38.8	2.81
1999-08-05	17:05:39	2936.9800	0.4500	35.89	38.8	2.91
1999-08-05	17:05:40	2936.9967	0.4667	35.78	38.8	3.02
1999-08-05	17:05:41	2937.0133	0.4833	35.68	38.8	3.12
1999-08-05	17:05:42	2937.0300	0.5000	35.58	38.8	3.22
1999-08-05	17:05:43	2937.0467	0.5167	35.48	38.8	3.32
1999-08-05	17:05:44	2937.0633	0.5333	35.38	38.8	3.42
1999-08-05	17:05:45	2937.0800	0.5500	35.28	38.8	3.52
1999-08-05	17:05:46	2937.0967	0.5667	35.18	38.8	3.62
1999-08-05	17:05:47	2937.1133	0.5833	35.09	38.8	3.71
1999-08-05	17:05:48	2937.1300	0.6000	34.99	38.8	3.81
1999-08-05	17:05:49	2937.1467	0.6167	34.9	38.8	3.9
1999-08-05	17:05:50	2937.1633	0.6333	34.8	38.8	4
1999-08-05	17:05:51	2937.1800	0.6500	34.71	38.8	4.09
1999-08-05	17:05:52	2937.1967	0.6667	34.61	38.8	4.19
1999-08-05	17:05:53	2937.2133	0.6833	34.52	38.8	4.28
1999-08-05	17:05:54	2937.2300	0.7000	34.43	38.8	4.37
1999-08-05	17:05:55	2937.2467	0.7167	34.34	38.8	4.46
1999-08-05	17:05:56	2937.2633	0.7333	34.25	38.8	4.55
1999-08-05	17:05:57	2937.2800	0.7500	34.17	38.8	4.63
1999-08-05	17:05:58	2937.2967	0.7667	34.08	38.8	4.72
1999-08-05	17:05:59	2937.3133	0.7833	33.99	38.8	4.81
1999-08-05	17:06:00	2937.3300	0.8000	33.9	38.8	4.9
1999-08-05	17:06:01	2937.3467	0.8167	33.82	38.8	4.98
1999-08-05	17:06:02	2937.3633	0.8333	33.74	38.8	5.06
1999-08-05	17:06:03	2937.3800	0.8500	33.66	38.8	5.14
1999-08-05	17:06:04	2937.3967	0.8667	33.58	38.8	5.22
1999-08-05	17:06:05	2937.4133	0.8833	33.51	38.8	5.29
1999-08-05	17:06:06	2937.4300	0.9000	33.43	38.8	5.37
1999-08-05	17:06:07	2937.4467	0.9167	33.35	38.8	5.45
1999-08-05	17:06:08	2937.4633	0.9333	33.28	38.8	5.52
1999-08-05	17:06:09	2937.4800	0.9500	33.21	38.8	5.59
1999-08-05	17:06:10	2937.4967	0.9667	33.14	38.8	5.66
1999-08-05	17:06:11	2937.5133	0.9833	33.07	38.8	5.73
1999-08-05	17:06:12	2937.5300	1.0000	33	38.8	5.8
1999-08-05	17:06:13	2937.5467	1.0167	32.9	38.8	5.9
1999-08-05	17:06:14	2937.5633	1.0333	32.85	38.8	5.95
1999-08-05	17:06:15	2937.5800	1.0500	32.8	38.8	6
1999-08-05	17:06:16	2937.5967	1.0667	32.7	38.8	6.1
1999-08-05	17:06:17	2937.6133	1.0833	32.7	38.8	6.1
1999-08-05	17:06:18	2937.6300	1.1000	32.6	38.8	6.2
1999-08-05	17:06:19	2937.6467	1.1167	32.6	38.8	6.2
1999-08-05	17:06:20	2937.6633	1.1333	32.5	38.8	6.3
1999-08-05	17:06:21	2937.6800	1.1500	32.4	38.8	6.4
1999-08-05	17:06:22	2937.6967	1.1667	32.4	38.8	6.4
1999-08-05	17:06:23	2937.7133	1.1833	32.3	38.8	6.5
1999-08-05	17:06:24	2937.7300	1.2000	32.3	38.8	6.5
1999-08-05	17:06:25	2937.7467	1.2167	32.2	38.8	6.6
1999-08-05	17:06:26	2937.7633	1.2333	32.1	38.8	6.7

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:06:27	2937.7800	1.2500	32.1	38.8	6.7
1999-08-05	17:06:28	2937.7967	1.2667	32	38.8	6.8
1999-08-05	17:06:29	2937.8133	1.2833	32	38.8	6.8
1999-08-05	17:06:30	2937.8300	1.3000	31.9	38.8	6.9
1999-08-05	17:06:31	2937.8467	1.3167	31.8	38.8	7
1999-08-05	17:06:32	2937.8633	1.3333	31.8	38.8	7
1999-08-05	17:06:33	2937.8800	1.3500	31.7	38.8	7.1
1999-08-05	17:06:34	2937.8967	1.3667	31.7	38.8	7.1
1999-08-05	17:06:35	2937.9133	1.3833	31.6	38.8	7.2
1999-08-05	17:06:36	2937.9300	1.4000	31.6	38.8	7.2
1999-08-05	17:06:37	2937.9467	1.4167	31.5	38.8	7.3
1999-08-05	17:06:38	2937.9633	1.4333	31.5	38.8	7.3
1999-08-05	17:06:39	2937.9800	1.4500	31.4	38.8	7.4
1999-08-05	17:06:40	2937.9967	1.4667	31.3	38.8	7.5
1999-08-05	17:06:41	2938.0133	1.4833	31.3	38.8	7.5
1999-08-05	17:06:42	2938.0300	1.5000	31.2	38.8	7.6
1999-08-05	17:06:43	2938.0467	1.5167	31.2	38.8	7.6
1999-08-05	17:06:44	2938.0633	1.5333	31.1	38.8	7.7
1999-08-05	17:06:45	2938.0800	1.5500	31.1	38.8	7.7
1999-08-05	17:06:46	2938.0967	1.5667	31	38.8	7.8
1999-08-05	17:06:47	2938.1133	1.5833	31	38.8	7.8
1999-08-05	17:06:48	2938.1300	1.6000	30.9	38.8	7.9
1999-08-05	17:06:49	2938.1467	1.6167	30.9	38.8	7.9
1999-08-05	17:06:50	2938.1633	1.6333	30.8	38.8	8
1999-08-05	17:06:51	2938.1800	1.6500	30.7	38.8	8.1
1999-08-05	17:06:52	2938.1967	1.6667	30.7	38.8	8.1
1999-08-05	17:06:53	2938.2133	1.6833	30.6	38.8	8.2
1999-08-05	17:06:54	2938.2300	1.7000	30.6	38.8	8.2
1999-08-05	17:06:55	2938.2467	1.7167	30.5	38.8	8.3
1999-08-05	17:06:56	2938.2633	1.7333	30.5	38.8	8.3
1999-08-05	17:06:57	2938.2800	1.7500	30.4	38.8	8.4
1999-08-05	17:06:58	2938.2967	1.7667	30.4	38.8	8.4
1999-08-05	17:06:59	2938.3133	1.7833	30.3	38.8	8.5
1999-08-05	17:07:00	2938.3300	1.8000	30.3	38.8	8.5
1999-08-05	17:07:01	2938.3467	1.8167	30.2	38.8	8.6
1999-08-05	17:07:02	2938.3633	1.8333	30.2	38.8	8.6
1999-08-05	17:07:03	2938.3800	1.8500	30.1	38.8	8.7
1999-08-05	17:07:04	2938.3967	1.8667	30	38.8	8.8
1999-08-05	17:07:05	2938.4133	1.8833	30	38.8	8.8
1999-08-05	17:07:06	2938.4300	1.9000	29.9	38.8	8.9
1999-08-05	17:07:07	2938.4467	1.9167	29.9	38.8	8.9
1999-08-05	17:07:08	2938.4633	1.9333	29.8	38.8	9
1999-08-05	17:07:09	2938.4800	1.9500	29.8	38.8	9
1999-08-05	17:07:10	2938.4967	1.9667	29.7	38.8	9.1
1999-08-05	17:07:11	2938.5133	1.9833	29.7	38.8	9.1
1999-08-05	17:07:12	2938.5300	2.0000	29.6	38.8	9.2
1999-08-05	17:07:13	2938.5467	2.0167	29.6	38.8	9.2
1999-08-05	17:07:14	2938.5633	2.0333	29.5	38.8	9.3
1999-08-05	17:07:15	2938.5800	2.0500	29.5	38.8	9.3
1999-08-05	17:07:16	2938.5967	2.0667	29.4	38.8	9.4
1999-08-05	17:07:17	2938.6133	2.0833	29.4	38.8	9.4
1999-08-05	17:07:18	2938.6300	2.1000	29.3	38.8	9.5
1999-08-05	17:07:19	2938.6467	2.1167	29.2	38.8	9.6
1999-08-05	17:07:20	2938.6633	2.1333	29.2	38.8	9.6
1999-08-05	17:07:21	2938.6800	2.1500	29.1	38.8	9.7
1999-08-05	17:07:22	2938.6967	2.1667	29.1	38.8	9.7
1999-08-05	17:07:23	2938.7133	2.1833	29	38.8	9.8
1999-08-05	17:07:24	2938.7300	2.2000	29	38.8	9.8
1999-08-05	17:07:25	2938.7467	2.2167	28.9	38.8	9.9
1999-08-05	17:07:26	2938.7633	2.2333	28.9	38.8	9.9
1999-08-05	17:07:27	2938.7800	2.2500	28.8	38.8	10
1999-08-05	17:07:28	2938.7967	2.2667	28.8	38.8	10
1999-08-05	17:07:29	2938.8133	2.2833	28.7	38.8	10.1
1999-08-05	17:07:30	2938.8300	2.3000	28.7	38.8	10.1
1999-08-05	17:07:31	2938.8467	2.3167	28.6	38.8	10.2
1999-08-05	17:07:32	2938.8633	2.3333	28.6	38.8	10.2
1999-08-05	17:07:33	2938.8800	2.3500	28.5	38.8	10.3
1999-08-05	17:07:34	2938.8967	2.3667	28.5	38.8	10.3
1999-08-05	17:07:35	2938.9133	2.3833	28.4	38.8	10.4
1999-08-05	17:07:36	2938.9300	2.4000	28.4	38.8	10.4
1999-08-05	17:07:37	2938.9467	2.4167	28.3	38.8	10.5
1999-08-05	17:07:38	2938.9633	2.4333	28.3	38.8	10.5
1999-08-05	17:07:39	2938.9800	2.4500	28.2	38.8	10.6
1999-08-05	17:07:40	2938.9967	2.4667	28.2	38.8	10.6
1999-08-05	17:07:41	2939.0133	2.4833	28.1	38.8	10.7

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:07:42	2939.0300	2.5000	28.1	38.8	10.7
1999-08-05	17:07:43	2939.0467	2.5167	28	38.8	10.8
1999-08-05	17:07:44	2939.0633	2.5333	28	38.8	10.8
1999-08-05	17:07:45	2939.0800	2.5500	27.9	38.8	10.9
1999-08-05	17:07:46	2939.0967	2.5667	27.9	38.8	10.9
1999-08-05	17:07:47	2939.1133	2.5833	27.8	38.8	11
1999-08-05	17:07:48	2939.1300	2.6000	27.8	38.8	11
1999-08-05	17:07:49	2939.1467	2.6167	27.7	38.8	11.1
1999-08-05	17:07:50	2939.1633	2.6333	27.7	38.8	11.1
1999-08-05	17:07:51	2939.1800	2.6500	27.6	38.8	11.2
1999-08-05	17:07:52	2939.1967	2.6667	27.6	38.8	11.2
1999-08-05	17:07:53	2939.2133	2.6833	27.5	38.8	11.3
1999-08-05	17:07:54	2939.2300	2.7000	27.5	38.8	11.3
1999-08-05	17:07:55	2939.2467	2.7167	27.4	38.8	11.4
1999-08-05	17:07:56	2939.2633	2.7333	27.4	38.8	11.4
1999-08-05	17:07:57	2939.2800	2.7500	27.3	38.8	11.5
1999-08-05	17:07:58	2939.2967	2.7667	27.3	38.8	11.5
1999-08-05	17:07:59	2939.3133	2.7833	27.2	38.8	11.6
1999-08-05	17:08:00	2939.3300	2.8000	27.2	38.8	11.6
1999-08-05	17:08:01	2939.3467	2.8167	27.1	38.8	11.7
1999-08-05	17:08:02	2939.3633	2.8333	27.1	38.8	11.7
1999-08-05	17:08:03	2939.3800	2.8500	27	38.8	11.8
1999-08-05	17:08:04	2939.3967	2.8667	27	38.8	11.8
1999-08-05	17:08:05	2939.4133	2.8833	26.9	38.8	11.9
1999-08-05	17:08:06	2939.4300	2.9000	26.9	38.8	11.9
1999-08-05	17:08:07	2939.4467	2.9167	26.8	38.8	12
1999-08-05	17:08:08	2939.4633	2.9333	26.8	38.8	12
1999-08-05	17:08:09	2939.4800	2.9500	26.7	38.8	12.1
1999-08-05	17:08:10	2939.4967	2.9667	26.7	38.8	12.1
1999-08-05	17:08:11	2939.5133	2.9833	26.6	38.8	12.2
1999-08-05	17:08:12	2939.5300	3.0000	26.6	38.8	12.2
1999-08-05	17:08:13	2939.5467	3.0167	26.6	38.8	12.2
1999-08-05	17:08:14	2939.5633	3.0333	26.5	38.8	12.3
1999-08-05	17:08:15	2939.5800	3.0500	26.5	38.8	12.3
1999-08-05	17:08:16	2939.5967	3.0667	26.4	38.8	12.4
1999-08-05	17:08:17	2939.6133	3.0833	26.4	38.8	12.4
1999-08-05	17:08:18	2939.6300	3.1000	26.3	38.8	12.5
1999-08-05	17:08:19	2939.6467	3.1167	26.3	38.8	12.5
1999-08-05	17:08:20	2939.6633	3.1333	26.2	38.8	12.6
1999-08-05	17:08:21	2939.6800	3.1500	26.2	38.8	12.6
1999-08-05	17:08:22	2939.6967	3.1667	26.1	38.8	12.7
1999-08-05	17:08:23	2939.7133	3.1833	26.1	38.8	12.7
1999-08-05	17:08:24	2939.7300	3.2000	26	38.8	12.8
1999-08-05	17:08:25	2939.7467	3.2167	26	38.8	12.8
1999-08-05	17:08:26	2939.7633	3.2333	25.9	38.8	12.9
1999-08-05	17:08:27	2939.7800	3.2500	25.9	38.8	12.9
1999-08-05	17:08:28	2939.7967	3.2667	25.8	38.8	13
1999-08-05	17:08:29	2939.8133	3.2833	25.8	38.8	13
1999-08-05	17:08:30	2939.8300	3.3000	25.7	38.8	13.1
1999-08-05	17:08:31	2939.8467	3.3167	25.7	38.8	13.1
1999-08-05	17:08:32	2939.8633	3.3333	25.7	38.8	13.1
1999-08-05	17:08:33	2939.8800	3.3500	25.6	38.8	13.2
1999-08-05	17:08:34	2939.8967	3.3667	25.6	38.8	13.2
1999-08-05	17:08:35	2939.9133	3.3833	25.5	38.8	13.3
1999-08-05	17:08:36	2939.9300	3.4000	25.5	38.8	13.3
1999-08-05	17:08:37	2939.9467	3.4167	25.4	38.8	13.4
1999-08-05	17:08:38	2939.9633	3.4333	25.4	38.8	13.4
1999-08-05	17:08:39	2939.9800	3.4500	25.3	38.8	13.5
1999-08-05	17:08:40	2939.9967	3.4667	25.3	38.8	13.5
1999-08-05	17:08:41	2940.0133	3.4833	25.2	38.8	13.6
1999-08-05	17:08:42	2940.0300	3.5000	25.2	38.8	13.6
1999-08-05	17:08:43	2940.0467	3.5167	25.2	38.8	13.6
1999-08-05	17:08:44	2940.0633	3.5333	25.1	38.8	13.7
1999-08-05	17:08:45	2940.0800	3.5500	25.1	38.8	13.7
1999-08-05	17:08:46	2940.0967	3.5667	25	38.8	13.8
1999-08-05	17:08:47	2940.1133	3.5833	25	38.8	13.8
1999-08-05	17:08:48	2940.1300	3.6000	24.9	38.8	13.9
1999-08-05	17:08:49	2940.1467	3.6167	24.9	38.8	13.9
1999-08-05	17:08:50	2940.1633	3.6333	24.8	38.8	14
1999-08-05	17:08:51	2940.1800	3.6500	24.8	38.8	14
1999-08-05	17:08:52	2940.1967	3.6667	24.8	38.8	14
1999-08-05	17:08:53	2940.2133	3.6833	24.7	38.8	14.1
1999-08-05	17:08:54	2940.2300	3.7000	24.7	38.8	14.1
1999-08-05	17:08:55	2940.2467	3.7167	24.6	38.8	14.2
1999-08-05	17:08:56	2940.2633	3.7333	24.6	38.8	14.2

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:08:57	2940.2800	3.7500	24.5	38.8	14.3
1999-08-05	17:08:58	2940.2967	3.7667	24.5	38.8	14.3
1999-08-05	17:08:59	2940.3133	3.7833	24.5	38.8	14.3
1999-08-05	17:09:00	2940.3300	3.8000	24.4	38.8	14.4
1999-08-05	17:09:01	2940.3467	3.8167	24.4	38.8	14.4
1999-08-05	17:09:02	2940.3633	3.8333	24.3	38.8	14.5
1999-08-05	17:09:03	2940.3800	3.8500	24.3	38.8	14.5
1999-08-05	17:09:04	2940.3967	3.8667	24.2	38.8	14.6
1999-08-05	17:09:05	2940.4133	3.8833	24.2	38.8	14.6
1999-08-05	17:09:06	2940.4300	3.9000	24.1	38.8	14.7
1999-08-05	17:09:07	2940.4467	3.9167	24.1	38.8	14.7
1999-08-05	17:09:08	2940.4633	3.9333	24.1	38.8	14.7
1999-08-05	17:09:09	2940.4800	3.9500	24	38.8	14.8
1999-08-05	17:09:10	2940.4967	3.9667	24	38.8	14.8
1999-08-05	17:09:11	2940.5133	3.9833	23.9	38.8	14.9
1999-08-05	17:09:12	2940.5300	4.0000	23.9	38.8	14.9
1999-08-05	17:09:13	2940.5467	4.0167	23.8	38.8	15
1999-08-05	17:09:14	2940.5633	4.0333	23.8	38.8	15
1999-08-05	17:09:15	2940.5800	4.0500	23.8	38.8	15
1999-08-05	17:09:16	2940.5967	4.0667	23.7	38.8	15.1
1999-08-05	17:09:17	2940.6133	4.0833	23.7	38.8	15.1
1999-08-05	17:09:18	2940.6300	4.1000	23.6	38.8	15.2
1999-08-05	17:09:19	2940.6467	4.1167	23.6	38.8	15.2
1999-08-05	17:09:20	2940.6633	4.1333	23.5	38.8	15.3
1999-08-05	17:09:21	2940.6800	4.1500	23.5	38.8	15.3
1999-08-05	17:09:22	2940.6967	4.1667	23.5	38.8	15.3
1999-08-05	17:09:23	2940.7133	4.1833	23.4	38.8	15.4
1999-08-05	17:09:24	2940.7300	4.2000	23.4	38.8	15.4
1999-08-05	17:09:25	2940.7467	4.2167	23.3	38.8	15.5
1999-08-05	17:09:26	2940.7633	4.2333	23.3	38.8	15.5
1999-08-05	17:09:27	2940.7800	4.2500	23.3	38.8	15.5
1999-08-05	17:09:28	2940.7967	4.2667	23.2	38.8	15.6
1999-08-05	17:09:29	2940.8133	4.2833	23.2	38.8	15.6
1999-08-05	17:09:30	2940.8300	4.3000	23.1	38.8	15.7
1999-08-05	17:09:31	2940.8467	4.3167	23.1	38.8	15.7
1999-08-05	17:09:32	2940.8633	4.3333	23.1	38.8	15.7
1999-08-05	17:09:33	2940.8800	4.3500	23	38.8	15.8
1999-08-05	17:09:34	2940.8967	4.3667	23	38.8	15.8
1999-08-05	17:09:35	2940.9133	4.3833	22.9	38.8	15.9
1999-08-05	17:09:36	2940.9300	4.4000	22.9	38.8	15.9
1999-08-05	17:09:37	2940.9467	4.4167	22.9	38.8	15.9
1999-08-05	17:09:38	2940.9633	4.4333	22.8	38.8	16
1999-08-05	17:09:39	2940.9800	4.4500	22.8	38.8	16
1999-08-05	17:09:40	2940.9967	4.4667	22.7	38.8	16.1
1999-08-05	17:09:41	2941.0133	4.4833	22.7	38.8	16.1
1999-08-05	17:09:42	2941.0300	4.5000	22.6	38.8	16.2
1999-08-05	17:09:43	2941.0467	4.5167	22.6	38.8	16.2
1999-08-05	17:09:44	2941.0633	4.5333	22.6	38.8	16.2
1999-08-05	17:09:45	2941.0800	4.5500	22.5	38.8	16.3
1999-08-05	17:09:46	2941.0967	4.5667	22.5	38.8	16.3
1999-08-05	17:09:47	2941.1133	4.5833	22.4	38.8	16.4
1999-08-05	17:09:48	2941.1300	4.6000	22.4	38.8	16.4
1999-08-05	17:09:49	2941.1467	4.6167	22.4	38.8	16.4
1999-08-05	17:09:50	2941.1633	4.6333	22.3	38.8	16.5
1999-08-05	17:09:51	2941.1800	4.6500	22.3	38.8	16.5
1999-08-05	17:09:52	2941.1967	4.6667	22.2	38.8	16.6
1999-08-05	17:09:53	2941.2133	4.6833	22.2	38.8	16.6
1999-08-05	17:09:54	2941.2300	4.7000	22.2	38.8	16.6
1999-08-05	17:09:55	2941.2467	4.7167	22.1	38.8	16.7
1999-08-05	17:09:56	2941.2633	4.7333	22.1	38.8	16.7
1999-08-05	17:09:57	2941.2800	4.7500	22	38.8	16.8
1999-08-05	17:09:58	2941.2967	4.7667	22	38.8	16.8
1999-08-05	17:09:59	2941.3133	4.7833	22	38.8	16.8
1999-08-05	17:10:00	2941.3300	4.8000	21.9	38.8	16.9
1999-08-05	17:10:01	2941.3467	4.8167	21.9	38.8	16.9
1999-08-05	17:10:02	2941.3633	4.8333	21.8	38.8	17
1999-08-05	17:10:03	2941.3800	4.8500	21.8	38.8	17
1999-08-05	17:10:04	2941.3967	4.8667	21.8	38.8	17
1999-08-05	17:10:05	2941.4133	4.8833	21.7	38.8	17.1
1999-08-05	17:10:06	2941.4300	4.9000	21.7	38.8	17.1
1999-08-05	17:10:07	2941.4467	4.9167	21.7	38.8	17.1
1999-08-05	17:10:08	2941.4633	4.9333	21.6	38.8	17.2
1999-08-05	17:10:09	2941.4800	4.9500	21.6	38.8	17.2
1999-08-05	17:10:10	2941.4967	4.9667	21.5	38.8	17.3
1999-08-05	17:10:11	2941.5133	4.9833	21.5	38.8	17.3

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:10:12	2941.5300	5.0000	21.5	38.8	17.3
1999-08-05	17:10:13	2941.5467	5.0167	21.4	38.8	17.4
1999-08-05	17:10:14	2941.5633	5.0333	21.4	38.8	17.4
1999-08-05	17:10:15	2941.5800	5.0500	21.3	38.8	17.5
1999-08-05	17:10:16	2941.5967	5.0667	21.3	38.8	17.5
1999-08-05	17:10:17	2941.6133	5.0833	21.3	38.8	17.5
1999-08-05	17:10:18	2941.6300	5.1000	21.2	38.8	17.6
1999-08-05	17:10:19	2941.6467	5.1167	21.2	38.8	17.6
1999-08-05	17:10:20	2941.6633	5.1333	21.2	38.8	17.6
1999-08-05	17:10:21	2941.6800	5.1500	21.1	38.8	17.7
1999-08-05	17:10:22	2941.6967	5.1667	21.1	38.8	17.7
1999-08-05	17:10:23	2941.7133	5.1833	21	38.8	17.8
1999-08-05	17:10:24	2941.7300	5.2000	21	38.8	17.8
1999-08-05	17:10:25	2941.7467	5.2167	21	38.8	17.8
1999-08-05	17:10:26	2941.7633	5.2333	20.9	38.8	17.9
1999-08-05	17:10:27	2941.7800	5.2500	20.9	38.8	17.9
1999-08-05	17:10:28	2941.7967	5.2667	20.9	38.8	17.9
1999-08-05	17:10:29	2941.8133	5.2833	20.8	38.8	18
1999-08-05	17:10:30	2941.8300	5.3000	20.8	38.8	18
1999-08-05	17:10:31	2941.8467	5.3167	20.7	38.8	18.1
1999-08-05	17:10:32	2941.8633	5.3333	20.7	38.8	18.1
1999-08-05	17:10:33	2941.8800	5.3500	20.7	38.8	18.1
1999-08-05	17:10:34	2941.8967	5.3667	20.6	38.8	18.2
1999-08-05	17:10:35	2941.9133	5.3833	20.6	38.8	18.2
1999-08-05	17:10:36	2941.9300	5.4000	20.6	38.8	18.2
1999-08-05	17:10:37	2941.9467	5.4167	20.5	38.8	18.3
1999-08-05	17:10:38	2941.9633	5.4333	20.5	38.8	18.3
1999-08-05	17:10:39	2941.9800	5.4500	20.4	38.8	18.4
1999-08-05	17:10:40	2941.9967	5.4667	20.4	38.8	18.4
1999-08-05	17:10:41	2942.0133	5.4833	20.3	38.8	18.5
1999-08-05	17:10:42	2942.0300	5.5000	20.3	38.8	18.5
1999-08-05	17:10:43	2942.0467	5.5167	20.3	38.8	18.5
1999-08-05	17:10:44	2942.0633	5.5333	20.2	38.8	18.6
1999-08-05	17:10:45	2942.0800	5.5500	20.2	38.8	18.6
1999-08-05	17:10:46	2942.0967	5.5667	20.2	38.8	18.6
1999-08-05	17:10:47	2942.1133	5.5833	20.1	38.8	18.7
1999-08-05	17:10:48	2942.1300	5.6000	20.1	38.8	18.7
1999-08-05	17:10:49	2942.1467	5.6167	20.1	38.8	18.7
1999-08-05	17:10:50	2942.1633	5.6333	20	38.8	18.8
1999-08-05	17:10:51	2942.1800	5.6500	20	38.8	18.8
1999-08-05	17:10:52	2942.1967	5.6667	19.9	38.8	18.9
1999-08-05	17:10:53	2942.2133	5.6833	19.9	38.8	18.9
1999-08-05	17:10:54	2942.2300	5.7000	19.9	38.8	18.9
1999-08-05	17:10:55	2942.2467	5.7167	19.8	38.8	19
1999-08-05	17:10:56	2942.2633	5.7333	19.8	38.8	19
1999-08-05	17:10:57	2942.2800	5.7500	19.8	38.8	19
1999-08-05	17:10:58	2942.2967	5.7667	19.7	38.8	19.1
1999-08-05	17:10:59	2942.3133	5.7833	19.7	38.8	19.1
1999-08-05	17:11:00	2942.3300	5.8000	19.7	38.8	19.1
1999-08-05	17:11:01	2942.3467	5.8167	19.6	38.8	19.2
1999-08-05	17:11:02	2942.3633	5.8333	19.6	38.8	19.2
1999-08-05	17:11:03	2942.3800	5.8500	19.5	38.8	19.3
1999-08-05	17:11:04	2942.3967	5.8667	19.5	38.8	19.3
1999-08-05	17:11:05	2942.4133	5.8833	19.5	38.8	19.3
1999-08-05	17:11:06	2942.4300	5.9000	19.4	38.8	19.4
1999-08-05	17:11:07	2942.4467	5.9167	19.4	38.8	19.4
1999-08-05	17:11:08	2942.4633	5.9333	19.4	38.8	19.4
1999-08-05	17:11:09	2942.4800	5.9500	19.3	38.8	19.5
1999-08-05	17:11:10	2942.4967	5.9667	19.3	38.8	19.5
1999-08-05	17:11:11	2942.5133	5.9833	19.3	38.8	19.5
1999-08-05	17:11:12	2942.5300	6.0000	19.2	38.8	19.6
1999-08-05	17:11:13	2942.5467	6.0167	19.2	38.8	19.6
1999-08-05	17:11:14	2942.5633	6.0333	19.2	38.8	19.6
1999-08-05	17:11:15	2942.5800	6.0500	19.1	38.8	19.7
1999-08-05	17:11:16	2942.5967	6.0667	19.1	38.8	19.7
1999-08-05	17:11:17	2942.6133	6.0833	19	38.8	19.8
1999-08-05	17:11:18	2942.6300	6.1000	19	38.8	19.8
1999-08-05	17:11:19	2942.6467	6.1167	19	38.8	19.8
1999-08-05	17:11:20	2942.6633	6.1333	18.9	38.8	19.9
1999-08-05	17:11:21	2942.6800	6.1500	18.9	38.8	19.9
1999-08-05	17:11:22	2942.6967	6.1667	18.9	38.8	19.9
1999-08-05	17:11:23	2942.7133	6.1833	18.8	38.8	20
1999-08-05	17:11:24	2942.7300	6.2000	18.8	38.8	20
1999-08-05	17:11:25	2942.7467	6.2167	18.8	38.8	20
1999-08-05	17:11:26	2942.7633	6.2333	18.7	38.8	20.1

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:11:27	2942.7800	6.2500	18.7	38.8	20.1
1999-08-05	17:11:28	2942.7967	6.2667	18.7	38.8	20.1
1999-08-05	17:11:29	2942.8133	6.2833	18.6	38.8	20.2
1999-08-05	17:11:30	2942.8300	6.3000	18.6	38.8	20.2
1999-08-05	17:11:31	2942.8467	6.3167	18.6	38.8	20.2
1999-08-05	17:11:32	2942.8633	6.3333	18.5	38.8	20.3
1999-08-05	17:11:33	2942.8800	6.3500	18.5	38.8	20.3
1999-08-05	17:11:34	2942.8967	6.3667	18.5	38.8	20.3
1999-08-05	17:11:35	2942.9133	6.3833	18.4	38.8	20.4
1999-08-05	17:11:36	2942.9300	6.4000	18.4	38.8	20.4
1999-08-05	17:11:37	2942.9467	6.4167	18.4	38.8	20.4
1999-08-05	17:11:38	2942.9633	6.4333	18.3	38.8	20.5
1999-08-05	17:11:39	2942.9800	6.4500	18.3	38.8	20.5
1999-08-05	17:11:40	2942.9967	6.4667	18.3	38.8	20.5
1999-08-05	17:11:41	2943.0133	6.4833	18.2	38.8	20.6
1999-08-05	17:11:42	2943.0300	6.5000	18.2	38.8	20.6
1999-08-05	17:11:43	2943.0467	6.5167	18.2	38.8	20.6
1999-08-05	17:11:44	2943.0633	6.5333	18.1	38.8	20.7
1999-08-05	17:11:45	2943.0800	6.5500	18.1	38.8	20.7
1999-08-05	17:11:46	2943.0967	6.5667	18.1	38.8	20.7
1999-08-05	17:11:47	2943.1133	6.5833	18	38.8	20.8
1999-08-05	17:11:48	2943.1300	6.6000	18	38.8	20.8
1999-08-05	17:11:49	2943.1467	6.6167	18	38.8	20.8
1999-08-05	17:11:50	2943.1633	6.6333	17.9	38.8	20.9
1999-08-05	17:11:51	2943.1800	6.6500	17.9	38.8	20.9
1999-08-05	17:11:52	2943.1967	6.6667	17.9	38.8	20.9
1999-08-05	17:11:53	2943.2133	6.6833	17.8	38.8	21
1999-08-05	17:11:54	2943.2300	6.7000	17.8	38.8	21
1999-08-05	17:11:55	2943.2467	6.7167	17.8	38.8	21
1999-08-05	17:11:56	2943.2633	6.7333	17.7	38.8	21.1
1999-08-05	17:11:57	2943.2800	6.7500	17.7	38.8	21.1
1999-08-05	17:11:58	2943.2967	6.7667	17.7	38.8	21.1
1999-08-05	17:11:59	2943.3133	6.7833	17.6	38.8	21.2
1999-08-05	17:12:00	2943.3300	6.8000	17.6	38.8	21.2
1999-08-05	17:12:01	2943.3467	6.8167	17.6	38.8	21.2
1999-08-05	17:12:02	2943.3633	6.8333	17.5	38.8	21.3
1999-08-05	17:12:03	2943.3800	6.8500	17.5	38.8	21.3
1999-08-05	17:12:04	2943.3967	6.8667	17.5	38.8	21.3
1999-08-05	17:12:05	2943.4133	6.8833	17.4	38.8	21.4
1999-08-05	17:12:06	2943.4300	6.9000	17.4	38.8	21.4
1999-08-05	17:12:07	2943.4467	6.9167	17.4	38.8	21.4
1999-08-05	17:12:08	2943.4633	6.9333	17.3	38.8	21.5
1999-08-05	17:12:09	2943.4800	6.9500	17.3	38.8	21.5
1999-08-05	17:12:10	2943.4967	6.9667	17.3	38.8	21.5
1999-08-05	17:12:11	2943.5133	6.9833	17.2	38.8	21.6
1999-08-05	17:12:12	2943.5300	7.0000	17.2	38.8	21.6
1999-08-05	17:12:13	2943.5467	7.0167	17.2	38.8	21.6
1999-08-05	17:12:14	2943.5633	7.0333	17.1	38.8	21.7
1999-08-05	17:12:15	2943.5800	7.0500	17.1	38.8	21.7
1999-08-05	17:12:16	2943.5967	7.0667	17.1	38.8	21.7
1999-08-05	17:12:17	2943.6133	7.0833	17.1	38.8	21.7
1999-08-05	17:12:18	2943.6300	7.1000	17	38.8	21.8
1999-08-05	17:12:19	2943.6467	7.1167	17	38.8	21.8
1999-08-05	17:12:20	2943.6633	7.1333	17	38.8	21.8
1999-08-05	17:12:21	2943.6800	7.1500	16.9	38.8	21.9
1999-08-05	17:12:22	2943.6967	7.1667	16.9	38.8	21.9
1999-08-05	17:12:23	2943.7133	7.1833	16.9	38.8	21.9
1999-08-05	17:12:24	2943.7300	7.2000	16.8	38.8	22
1999-08-05	17:12:25	2943.7467	7.2167	16.8	38.8	22
1999-08-05	17:12:26	2943.7633	7.2333	16.8	38.8	22
1999-08-05	17:12:27	2943.7800	7.2500	16.7	38.8	22.1
1999-08-05	17:12:28	2943.7967	7.2667	16.7	38.8	22.1
1999-08-05	17:12:29	2943.8133	7.2833	16.7	38.8	22.1
1999-08-05	17:12:30	2943.8300	7.3000	16.6	38.8	22.2
1999-08-05	17:12:31	2943.8467	7.3167	16.6	38.8	22.2
1999-08-05	17:12:32	2943.8633	7.3333	16.6	38.8	22.2
1999-08-05	17:12:33	2943.8800	7.3500	16.6	38.8	22.2
1999-08-05	17:12:34	2943.8967	7.3667	16.5	38.8	22.3
1999-08-05	17:12:35	2943.9133	7.3833	16.5	38.8	22.3
1999-08-05	17:12:36	2943.9300	7.4000	16.5	38.8	22.3
1999-08-05	17:12:37	2943.9467	7.4167	16.4	38.8	22.4
1999-08-05	17:12:38	2943.9633	7.4333	16.4	38.8	22.4
1999-08-05	17:12:39	2943.9800	7.4500	16.4	38.8	22.4
1999-08-05	17:12:40	2943.9967	7.4667	16.3	38.8	22.5
1999-08-05	17:12:41	2944.0133	7.4833	16.3	38.8	22.5

Date	Heure	temps (min)	temps t' (min)	rabatement résiduel (m)	rabatement résiduel (m)	remontée calculée (m)
1999-08-05	17:12:42	2944.0300	7.5000	16.3	38.8	22.5
1999-08-05	17:12:43	2944.0467	7.5167	16.2	38.8	22.6
1999-08-05	17:12:44	2944.0633	7.5333	16.2	38.8	22.6
1999-08-05	17:12:45	2944.0800	7.5500	16.2	38.8	22.6
1999-08-05	17:12:46	2944.0967	7.5667	16.2	38.8	22.6
1999-08-05	17:12:47	2944.1133	7.5833	16.1	38.8	22.7
1999-08-05	17:12:48	2944.1300	7.6000	16.1	38.8	22.7
1999-08-05	17:12:49	2944.1467	7.6167	16.1	38.8	22.7
1999-08-05	17:12:50	2944.1633	7.6333	16	38.8	22.8
1999-08-05	17:12:51	2944.1800	7.6500	16	38.8	22.8
1999-08-05	17:12:52	2944.1967	7.6667	16	38.8	22.8
1999-08-05	17:12:53	2944.2133	7.6833	15.9	38.8	22.9
1999-08-05	17:12:54	2944.2300	7.7000	15.9	38.8	22.9
1999-08-05	17:12:55	2944.2467	7.7167	15.9	38.8	22.9
1999-08-05	17:12:56	2944.2633	7.7333	15.9	38.8	22.9
1999-08-05	17:12:57	2944.2800	7.7500	15.8	38.8	23
1999-08-05	17:12:58	2944.2967	7.7667	15.8	38.8	23
1999-08-05	17:12:59	2944.3133	7.7833	15.8	38.8	23
1999-08-05	17:13:00	2944.3300	7.8000	15.7	38.8	23.1
1999-08-05	17:13:01	2944.3467	7.8167	15.7	38.8	23.1
1999-08-05	17:13:02	2944.3633	7.8333	15.7	38.8	23.1
1999-08-05	17:13:03	2944.3800	7.8500	15.6	38.8	23.2
1999-08-05	17:13:04	2944.3967	7.8667	15.6	38.8	23.2
1999-08-05	17:13:05	2944.4133	7.8833	15.6	38.8	23.2
1999-08-05	17:13:06	2944.4300	7.9000	15.6	38.8	23.2
1999-08-05	17:13:07	2944.4467	7.9167	15.5	38.8	23.3
1999-08-05	17:13:08	2944.4633	7.9333	15.5	38.8	23.3
1999-08-05	17:13:09	2944.4800	7.9500	15.5	38.8	23.3
1999-08-05	17:13:10	2944.4967	7.9667	15.4	38.8	23.4
1999-08-05	17:13:11	2944.5133	7.9833	15.4	38.8	23.4
1999-08-05	17:13:12	2944.5300	8.0000	15.4	38.8	23.4
1999-08-05	17:13:13	2944.5467	8.0167	15.3	38.8	23.5
1999-08-05	17:13:14	2944.5633	8.0333	15.3	38.8	23.5
1999-08-05	17:13:15	2944.5800	8.0500	15.3	38.8	23.5
1999-08-05	17:13:16	2944.5967	8.0667	15.3	38.8	23.5
1999-08-05	17:13:17	2944.6133	8.0833	15.2	38.8	23.6
1999-08-05	17:13:18	2944.6300	8.1000	15.2	38.8	23.6
1999-08-05	17:13:19	2944.6467	8.1167	15.2	38.8	23.6
1999-08-05	17:13:20	2944.6633	8.1333	15.1	38.8	23.7
1999-08-05	17:13:21	2944.6800	8.1500	15.1	38.8	23.7
1999-08-05	17:13:22	2944.6967	8.1667	15.1	38.8	23.7
1999-08-05	17:13:23	2944.7133	8.1833	15.1	38.8	23.7
1999-08-05	17:13:24	2944.7300	8.2000	15	38.8	23.8
1999-08-05	17:13:25	2944.7467	8.2167	15	38.8	23.8
1999-08-05	17:13:26	2944.7633	8.2333	15	38.8	23.8
1999-08-05	17:13:27	2944.7800	8.2500	14.9	38.8	23.9
1999-08-05	17:13:28	2944.7967	8.2667	14.9	38.8	23.9
1999-08-05	17:13:29	2944.8133	8.2833	14.9	38.8	23.9
1999-08-05	17:13:30	2944.8300	8.3000	14.9	38.8	23.9
1999-08-05	17:13:31	2944.8467	8.3167	14.8	38.8	24
1999-08-05	17:13:32	2944.8633	8.3333	14.8	38.8	24
1999-08-05	17:13:33	2944.8800	8.3500	14.8	38.8	24
1999-08-05	17:13:34	2944.8967	8.3667	14.7	38.8	24.1
1999-08-05	17:13:35	2944.9133	8.3833	14.7	38.8	24.1
1999-08-05	17:13:36	2944.9300	8.4000	14.7	38.8	24.1
1999-08-05	17:13:37	2944.9467	8.4167	14.7	38.8	24.1
1999-08-05	17:13:38	2944.9633	8.4333	14.6	38.8	24.2
1999-08-05	17:13:39	2944.9800	8.4500	14.6	38.8	24.2
1999-08-05	17:13:40	2944.9967	8.4667	14.6	38.8	24.2
1999-08-05	17:13:41	2945.0133	8.4833	14.6	38.8	24.2
1999-08-05	17:13:42	2945.0300	8.5000	14.5	38.8	24.3
1999-08-05	17:13:43	2945.0467	8.5167	14.5	38.8	24.3
1999-08-05	17:13:44	2945.0633	8.5333	14.5	38.8	24.3
1999-08-05	17:13:45	2945.0800	8.5500	14.4	38.8	24.4
1999-08-05	17:13:46	2945.0967	8.5667	14.4	38.8	24.4
1999-08-05	17:13:47	2945.1133	8.5833	14.4	38.8	24.4
1999-08-05	17:13:48	2945.1300	8.6000	14.4	38.8	24.4
1999-08-05	17:13:49	2945.1467	8.6167	14.3	38.8	24.5
1999-08-05	17:13:50	2945.1633	8.6333	14.3	38.8	24.5
1999-08-05	17:13:51	2945.1800	8.6500	14.3	38.8	24.5
1999-08-05	17:13:52	2945.1967	8.6667	14.3	38.8	24.5
1999-08-05	17:13:53	2945.2133	8.6833	14.2	38.8	24.6
1999-08-05	17:13:54	2945.2300	8.7000	14.2	38.8	24.6
1999-08-05	17:13:55	2945.2467	8.7167	14.2	38.8	24.6
1999-08-05	17:13:56	2945.2633	8.7333	14.1	38.8	24.7

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:13:57	2945.2800	8.7500	14.1	38.8	24.7
1999-08-05	17:13:58	2945.2967	8.7667	14.1	38.8	24.7
1999-08-05	17:13:59	2945.3133	8.7833	14.1	38.8	24.7
1999-08-05	17:14:00	2945.3300	8.8000	14	38.8	24.8
1999-08-05	17:14:01	2945.3467	8.8167	14	38.8	24.8
1999-08-05	17:14:02	2945.3633	8.8333	14	38.8	24.8
1999-08-05	17:14:03	2945.3800	8.8500	14	38.8	24.8
1999-08-05	17:14:04	2945.3967	8.8667	13.9	38.8	24.9
1999-08-05	17:14:05	2945.4133	8.8833	13.9	38.8	24.9
1999-08-05	17:14:06	2945.4300	8.9000	13.9	38.8	24.9
1999-08-05	17:14:07	2945.4467	8.9167	13.9	38.8	24.9
1999-08-05	17:14:08	2945.4633	8.9333	13.8	38.8	25
1999-08-05	17:14:09	2945.4800	8.9500	13.8	38.8	25
1999-08-05	17:14:10	2945.4967	8.9667	13.8	38.8	25
1999-08-05	17:14:11	2945.5133	8.9833	13.7	38.8	25.1
1999-08-05	17:14:12	2945.5300	9.0000	13.7	38.8	25.1
1999-08-05	17:14:13	2945.5467	9.0167	13.7	38.8	25.1
1999-08-05	17:14:14	2945.5633	9.0333	13.7	38.8	25.1
1999-08-05	17:14:15	2945.5800	9.0500	13.6	38.8	25.2
1999-08-05	17:14:16	2945.5967	9.0667	13.6	38.8	25.2
1999-08-05	17:14:17	2945.6133	9.0833	13.6	38.8	25.2
1999-08-05	17:14:18	2945.6300	9.1000	13.6	38.8	25.2
1999-08-05	17:14:19	2945.6467	9.1167	13.5	38.8	25.3
1999-08-05	17:14:20	2945.6633	9.1333	13.5	38.8	25.3
1999-08-05	17:14:21	2945.6800	9.1500	13.5	38.8	25.3
1999-08-05	17:14:22	2945.6967	9.1667	13.5	38.8	25.3
1999-08-05	17:14:23	2945.7133	9.1833	13.4	38.8	25.4
1999-08-05	17:14:24	2945.7300	9.2000	13.4	38.8	25.4
1999-08-05	17:14:25	2945.7467	9.2167	13.4	38.8	25.4
1999-08-05	17:14:26	2945.7633	9.2333	13.4	38.8	25.4
1999-08-05	17:14:27	2945.7800	9.2500	13.3	38.8	25.5
1999-08-05	17:14:28	2945.7967	9.2667	13.3	38.8	25.5
1999-08-05	17:14:29	2945.8133	9.2833	13.3	38.8	25.5
1999-08-05	17:14:30	2945.8300	9.3000	13.3	38.8	25.5
1999-08-05	17:14:31	2945.8467	9.3167	13.2	38.8	25.6
1999-08-05	17:14:32	2945.8633	9.3333	13.2	38.8	25.6
1999-08-05	17:14:33	2945.8800	9.3500	13.2	38.8	25.6
1999-08-05	17:14:34	2945.8967	9.3667	13.1	38.8	25.7
1999-08-05	17:14:35	2945.9133	9.3833	13.1	38.8	25.7
1999-08-05	17:14:36	2945.9300	9.4000	13.1	38.8	25.7
1999-08-05	17:14:37	2945.9467	9.4167	13.1	38.8	25.7
1999-08-05	17:14:38	2945.9633	9.4333	13	38.8	25.8
1999-08-05	17:14:39	2945.9800	9.4500	13	38.8	25.8
1999-08-05	17:14:40	2945.9967	9.4667	13	38.8	25.8
1999-08-05	17:14:41	2946.0133	9.4833	13	38.8	25.8
1999-08-05	17:14:42	2946.0300	9.5000	12.9	38.8	25.9
1999-08-05	17:14:43	2946.0467	9.5167	12.9	38.8	25.9
1999-08-05	17:14:44	2946.0633	9.5333	12.9	38.8	25.9
1999-08-05	17:14:45	2946.0800	9.5500	12.9	38.8	25.9
1999-08-05	17:14:46	2946.0967	9.5667	12.8	38.8	26
1999-08-05	17:14:47	2946.1133	9.5833	12.8	38.8	26
1999-08-05	17:14:48	2946.1300	9.6000	12.8	38.8	26
1999-08-05	17:14:49	2946.1467	9.6167	12.8	38.8	26
1999-08-05	17:14:50	2946.1633	9.6333	12.7	38.8	26.1
1999-08-05	17:14:51	2946.1800	9.6500	12.7	38.8	26.1
1999-08-05	17:14:52	2946.1967	9.6667	12.7	38.8	26.1
1999-08-05	17:14:53	2946.2133	9.6833	12.7	38.8	26.1
1999-08-05	17:14:54	2946.2300	9.7000	12.6	38.8	26.2
1999-08-05	17:14:55	2946.2467	9.7167	12.6	38.8	26.2
1999-08-05	17:14:56	2946.2633	9.7333	12.6	38.8	26.2
1999-08-05	17:14:57	2946.2800	9.7500	12.6	38.8	26.2
1999-08-05	17:14:58	2946.2967	9.7667	12.5	38.8	26.3
1999-08-05	17:14:59	2946.3133	9.7833	12.5	38.8	26.3
1999-08-05	17:15:00	2946.3300	9.8000	12.5	38.8	26.3
1999-08-05	17:15:01	2946.3467	9.8167	12.5	38.8	26.3
1999-08-05	17:15:02	2946.3633	9.8333	12.4	38.8	26.4
1999-08-05	17:15:03	2946.3800	9.8500	12.4	38.8	26.4
1999-08-05	17:15:04	2946.3967	9.8667	12.4	38.8	26.4
1999-08-05	17:15:05	2946.4133	9.8833	12.4	38.8	26.4
1999-08-05	17:15:06	2946.4300	9.9000	12.3	38.8	26.5
1999-08-05	17:15:07	2946.4467	9.9167	12.3	38.8	26.5
1999-08-05	17:15:08	2946.4633	9.9333	12.3	38.8	26.5
1999-08-05	17:15:09	2946.4800	9.9500	12.3	38.8	26.5
1999-08-05	17:15:10	2946.4967	9.9667	12.3	38.8	26.5
1999-08-05	17:15:11	2946.5133	9.9833	12.2	38.8	26.6

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:15:12	2946.5300	10.0000	12.2	38.8	26.6
1999-08-05	17:15:13	2946.5467	10.0167	12.2	38.8	26.6
1999-08-05	17:15:14	2946.5633	10.0333	12.2	38.8	26.6
1999-08-05	17:15:15	2946.5800	10.0500	12.1	38.8	26.7
1999-08-05	17:15:16	2946.5967	10.0667	12.1	38.8	26.7
1999-08-05	17:15:17	2946.6133	10.0833	12.1	38.8	26.7
1999-08-05	17:15:18	2946.6300	10.1000	12.1	38.8	26.7
1999-08-05	17:15:19	2946.6467	10.1167	12	38.8	26.8
1999-08-05	17:15:20	2946.6633	10.1333	12	38.8	26.8
1999-08-05	17:15:21	2946.6800	10.1500	12	38.8	26.8
1999-08-05	17:15:22	2946.6967	10.1667	12	38.8	26.8
1999-08-05	17:15:23	2946.7133	10.1833	11.9	38.8	26.9
1999-08-05	17:15:24	2946.7300	10.2000	11.9	38.8	26.9
1999-08-05	17:15:25	2946.7467	10.2167	11.9	38.8	26.9
1999-08-05	17:15:26	2946.7633	10.2333	11.9	38.8	26.9
1999-08-05	17:15:27	2946.7800	10.2500	11.8	38.8	27
1999-08-05	17:15:28	2946.7967	10.2667	11.8	38.8	27
1999-08-05	17:15:29	2946.8133	10.2833	11.8	38.8	27
1999-08-05	17:15:30	2946.8300	10.3000	11.8	38.8	27
1999-08-05	17:15:31	2946.8467	10.3167	11.7	38.8	27.1
1999-08-05	17:15:32	2946.8633	10.3333	11.7	38.8	27.1
1999-08-05	17:15:33	2946.8800	10.3500	11.7	38.8	27.1
1999-08-05	17:15:34	2946.8967	10.3667	11.7	38.8	27.1
1999-08-05	17:15:35	2946.9133	10.3833	11.6	38.8	27.2
1999-08-05	17:15:36	2946.9300	10.4000	11.6	38.8	27.2
1999-08-05	17:15:37	2946.9467	10.4167	11.6	38.8	27.2
1999-08-05	17:15:38	2946.9633	10.4333	11.6	38.8	27.2
1999-08-05	17:15:39	2946.9800	10.4500	11.5	38.8	27.3
1999-08-05	17:15:40	2946.9967	10.4667	11.5	38.8	27.3
1999-08-05	17:15:41	2947.0133	10.4833	11.5	38.8	27.3
1999-08-05	17:15:42	2947.0300	10.5000	11.5	38.8	27.3
1999-08-05	17:15:43	2947.0467	10.5167	11.5	38.8	27.3
1999-08-05	17:15:44	2947.0633	10.5333	11.4	38.8	27.4
1999-08-05	17:15:45	2947.0800	10.5500	11.4	38.8	27.4
1999-08-05	17:15:46	2947.0967	10.5667	11.4	38.8	27.4
1999-08-05	17:15:47	2947.1133	10.5833	11.4	38.8	27.4
1999-08-05	17:15:48	2947.1300	10.6000	11.3	38.8	27.5
1999-08-05	17:15:49	2947.1467	10.6167	11.3	38.8	27.5
1999-08-05	17:15:50	2947.1633	10.6333	11.3	38.8	27.5
1999-08-05	17:15:51	2947.1800	10.6500	11.3	38.8	27.5
1999-08-05	17:15:52	2947.1967	10.6667	11.2	38.8	27.6
1999-08-05	17:15:53	2947.2133	10.6833	11.2	38.8	27.6
1999-08-05	17:15:54	2947.2300	10.7000	11.2	38.8	27.6
1999-08-05	17:15:55	2947.2467	10.7167	11.2	38.8	27.6
1999-08-05	17:15:56	2947.2633	10.7333	11.2	38.8	27.6
1999-08-05	17:15:57	2947.2800	10.7500	11.1	38.8	27.7
1999-08-05	17:15:58	2947.2967	10.7667	11.1	38.8	27.7
1999-08-05	17:15:59	2947.3133	10.7833	11.1	38.8	27.7
1999-08-05	17:16:00	2947.3300	10.8000	11.1	38.8	27.7
1999-08-05	17:16:01	2947.3467	10.8167	11	38.8	27.8
1999-08-05	17:16:02	2947.3633	10.8333	11	38.8	27.8
1999-08-05	17:16:03	2947.3800	10.8500	11	38.8	27.8
1999-08-05	17:16:04	2947.3967	10.8667	11	38.8	27.8
1999-08-05	17:16:05	2947.4133	10.8833	10.9	38.8	27.9
1999-08-05	17:16:06	2947.4300	10.9000	10.9	38.8	27.9
1999-08-05	17:16:07	2947.4467	10.9167	10.9	38.8	27.9
1999-08-05	17:16:08	2947.4633	10.9333	10.9	38.8	27.9
1999-08-05	17:16:09	2947.4800	10.9500	10.9	38.8	27.9
1999-08-05	17:16:10	2947.4967	10.9667	10.8	38.8	28
1999-08-05	17:16:11	2947.5133	10.9833	10.8	38.8	28
1999-08-05	17:16:12	2947.5300	11.0000	10.8	38.8	28
1999-08-05	17:16:13	2947.5467	11.0167	10.8	38.8	28
1999-08-05	17:16:14	2947.5633	11.0333	10.7	38.8	28.1
1999-08-05	17:16:15	2947.5800	11.0500	10.7	38.8	28.1
1999-08-05	17:16:16	2947.5967	11.0667	10.7	38.8	28.1
1999-08-05	17:16:17	2947.6133	11.0833	10.7	38.8	28.1
1999-08-05	17:16:18	2947.6300	11.1000	10.7	38.8	28.1
1999-08-05	17:16:19	2947.6467	11.1167	10.6	38.8	28.2
1999-08-05	17:16:20	2947.6633	11.1333	10.6	38.8	28.2
1999-08-05	17:16:21	2947.6800	11.1500	10.6	38.8	28.2
1999-08-05	17:16:22	2947.6967	11.1667	10.6	38.8	28.2
1999-08-05	17:16:23	2947.7133	11.1833	10.5	38.8	28.3
1999-08-05	17:16:24	2947.7300	11.2000	10.5	38.8	28.3
1999-08-05	17:16:25	2947.7467	11.2167	10.5	38.8	28.3
1999-08-05	17:16:26	2947.7633	11.2333	10.5	38.8	28.3

Date	Heure	temps (min)	temps t' (min)	rabatement résiduel (m)	rabatement résiduel (m)	remontée calculée (m)
1999-08-05	17:16:27	2947.7800	11.2500	10.5	38.8	28.3
1999-08-05	17:16:28	2947.7967	11.2667	10.4	38.8	28.4
1999-08-05	17:16:29	2947.8133	11.2833	10.4	38.8	28.4
1999-08-05	17:16:30	2947.8300	11.3000	10.4	38.8	28.4
1999-08-05	17:16:31	2947.8467	11.3167	10.4	38.8	28.4
1999-08-05	17:16:32	2947.8633	11.3333	10.4	38.8	28.4
1999-08-05	17:16:33	2947.8800	11.3500	10.3	38.8	28.5
1999-08-05	17:16:34	2947.8967	11.3667	10.3	38.8	28.5
1999-08-05	17:16:35	2947.9133	11.3833	10.3	38.8	28.5
1999-08-05	17:16:36	2947.9300	11.4000	10.3	38.8	28.5
1999-08-05	17:16:37	2947.9467	11.4167	10.2	38.8	28.6
1999-08-05	17:16:38	2947.9633	11.4333	10.2	38.8	28.6
1999-08-05	17:16:39	2947.9800	11.4500	10.2	38.8	28.6
1999-08-05	17:16:40	2947.9967	11.4667	10.2	38.8	28.6
1999-08-05	17:16:41	2948.0133	11.4833	10.2	38.8	28.6
1999-08-05	17:16:42	2948.0300	11.5000	10.1	38.8	28.7
1999-08-05	17:16:43	2948.0467	11.5167	10.1	38.8	28.7
1999-08-05	17:16:44	2948.0633	11.5333	10.1	38.8	28.7
1999-08-05	17:16:45	2948.0800	11.5500	10.1	38.8	28.7
1999-08-05	17:16:46	2948.0967	11.5667	10.1	38.8	28.7
1999-08-05	17:16:47	2948.1133	11.5833	10	38.8	28.8
1999-08-05	17:16:48	2948.1300	11.6000	10	38.8	28.8
1999-08-05	17:16:49	2948.1467	11.6167	10	38.8	28.8
1999-08-05	17:16:50	2948.1633	11.6333	10	38.8	28.8
1999-08-05	17:16:51	2948.1800	11.6500	9.9	38.8	28.9
1999-08-05	17:16:52	2948.1967	11.6667	9.9	38.8	28.9
1999-08-05	17:16:53	2948.2133	11.6833	9.9	38.8	28.9
1999-08-05	17:16:54	2948.2300	11.7000	9.9	38.8	28.9
1999-08-05	17:16:55	2948.2467	11.7167	9.9	38.8	28.9
1999-08-05	17:16:56	2948.2633	11.7333	9.8	38.8	29
1999-08-05	17:16:57	2948.2800	11.7500	9.8	38.8	29
1999-08-05	17:16:58	2948.2967	11.7667	9.8	38.8	29
1999-08-05	17:16:59	2948.3133	11.7833	9.8	38.8	29
1999-08-05	17:17:00	2948.3300	11.8000	9.8	38.8	29
1999-08-05	17:17:01	2948.3467	11.8167	9.7	38.8	29.1
1999-08-05	17:17:02	2948.3633	11.8333	9.7	38.8	29.1
1999-08-05	17:17:03	2948.3800	11.8500	9.7	38.8	29.1
1999-08-05	17:17:04	2948.3967	11.8667	9.7	38.8	29.1
1999-08-05	17:17:05	2948.4133	11.8833	9.7	38.8	29.1
1999-08-05	17:17:06	2948.4300	11.9000	9.6	38.8	29.2
1999-08-05	17:17:07	2948.4467	11.9167	9.6	38.8	29.2
1999-08-05	17:17:08	2948.4633	11.9333	9.6	38.8	29.2
1999-08-05	17:17:09	2948.4800	11.9500	9.6	38.8	29.2
1999-08-05	17:17:10	2948.4967	11.9667	9.6	38.8	29.2
1999-08-05	17:17:11	2948.5133	11.9833	9.5	38.8	29.3
1999-08-05	17:17:12	2948.5300	12.0000	9.5	38.8	29.3
1999-08-05	17:17:13	2948.5467	12.0167	9.5	38.8	29.3
1999-08-05	17:17:14	2948.5633	12.0333	9.5	38.8	29.3
1999-08-05	17:17:15	2948.5800	12.0500	9.5	38.8	29.3
1999-08-05	17:17:16	2948.5967	12.0667	9.4	38.8	29.4
1999-08-05	17:17:17	2948.6133	12.0833	9.4	38.8	29.4
1999-08-05	17:17:18	2948.6300	12.1000	9.4	38.8	29.4
1999-08-05	17:17:19	2948.6467	12.1167	9.4	38.8	29.4
1999-08-05	17:17:20	2948.6633	12.1333	9.3	38.8	29.5
1999-08-05	17:17:21	2948.6800	12.1500	9.3	38.8	29.5
1999-08-05	17:17:22	2948.6967	12.1667	9.3	38.8	29.5
1999-08-05	17:17:23	2948.7133	12.1833	9.3	38.8	29.5
1999-08-05	17:17:24	2948.7300	12.2000	9.3	38.8	29.5
1999-08-05	17:17:25	2948.7467	12.2167	9.2	38.8	29.6
1999-08-05	17:17:26	2948.7633	12.2333	9.2	38.8	29.6
1999-08-05	17:17:27	2948.7800	12.2500	9.2	38.8	29.6
1999-08-05	17:17:28	2948.7967	12.2667	9.2	38.8	29.6
1999-08-05	17:17:29	2948.8133	12.2833	9.2	38.8	29.6
1999-08-05	17:17:30	2948.8300	12.3000	9.1	38.8	29.7
1999-08-05	17:17:31	2948.8467	12.3167	9.1	38.8	29.7
1999-08-05	17:17:32	2948.8633	12.3333	9.1	38.8	29.7
1999-08-05	17:17:33	2948.8800	12.3500	9.1	38.8	29.7
1999-08-05	17:17:34	2948.8967	12.3667	9.1	38.8	29.7
1999-08-05	17:17:35	2948.9133	12.3833	9	38.8	29.8
1999-08-05	17:17:36	2948.9300	12.4000	9	38.8	29.8
1999-08-05	17:17:37	2948.9467	12.4167	9	38.8	29.8
1999-08-05	17:17:38	2948.9633	12.4333	9	38.8	29.8
1999-08-05	17:17:39	2948.9800	12.4500	9	38.8	29.8
1999-08-05	17:17:40	2948.9967	12.4667	9	38.8	29.8
1999-08-05	17:17:41	2949.0133	12.4833	8.9	38.8	29.9

Date	Heure	temps (min)	temps t' (min)	rabattement résiduel (m)	rabattement résiduel (m)	remontée calculée (m)
1999-08-05	17:17:42	2949.0300	12.5000	8.9	38.8	29.9
1999-08-05	17:17:43	2949.0467	12.5167	8.9	38.8	29.9
1999-08-05	17:17:44	2949.0633	12.5333	8.9	38.8	29.9
1999-08-05	17:17:45	2949.0800	12.5500	8.8	38.8	30
1999-08-05	17:17:46	2949.0967	12.5667	8.8	38.8	30
1999-08-05	17:17:47	2949.1133	12.5833	8.8	38.8	30
1999-08-05	17:17:48	2949.1300	12.6000	8.8	38.8	30
1999-08-05	17:17:49	2949.1467	12.6167	8.8	38.8	30
1999-08-05	17:17:50	2949.1633	12.6333	8.8	38.8	30
1999-08-05	17:17:51	2949.1800	12.6500	8.7	38.8	30.1
1999-08-05	17:17:52	2949.1967	12.6667	8.7	38.8	30.1
1999-08-05	17:17:53	2949.2133	12.6833	8.7	38.8	30.1
1999-08-05	17:17:54	2949.2300	12.7000	8.7	38.8	30.1
1999-08-05	17:17:55	2949.2467	12.7167	8.7	38.8	30.1
1999-08-05	17:17:56	2949.2633	12.7333	8.6	38.8	30.2
1999-08-05	17:17:57	2949.2800	12.7500	8.6	38.8	30.2
1999-08-05	17:17:58	2949.2967	12.7667	8.6	38.8	30.2
1999-08-05	17:17:59	2949.3133	12.7833	8.6	38.8	30.2
1999-08-05	17:18:00	2949.3300	12.8000	8.6	38.8	30.2
1999-08-05	17:18:01	2949.3467	12.8167	8.5	38.8	30.3
1999-08-05	17:18:02	2949.3633	12.8333	8.5	38.8	30.3
1999-08-05	17:18:03	2949.3800	12.8500	8.5	38.8	30.3
1999-08-05	17:18:04	2949.3967	12.8667	8.5	38.8	30.3
1999-08-05	17:18:05	2949.4133	12.8833	8.5	38.8	30.3
1999-08-05	17:18:06	2949.4300	12.9000	8.4	38.8	30.4
1999-08-05	17:18:07	2949.4467	12.9167	8.4	38.8	30.4
1999-08-05	17:18:08	2949.4633	12.9333	8.4	38.8	30.4
1999-08-05	17:18:09	2949.4800	12.9500	8.4	38.8	30.4
1999-08-05	17:18:10	2949.4967	12.9667	8.4	38.8	30.4
1999-08-05	17:18:11	2949.5133	12.9833	8.3	38.8	30.5
1999-08-05	17:18:12	2949.5300	13.0000	8.3	38.8	30.5
1999-08-05	17:18:13	2949.5467	13.0167	8.3	38.8	30.5
1999-08-05	17:18:14	2949.5633	13.0333	8.3	38.8	30.5
1999-08-05	17:18:15	2949.5800	13.0500	8.3	38.8	30.5
1999-08-05	17:18:16	2949.5967	13.0667	8.3	38.8	30.5
1999-08-05	17:18:17	2949.6133	13.0833	8.2	38.8	30.6
1999-08-05	17:18:18	2949.6300	13.1000	8.2	38.8	30.6
1999-08-05	17:18:19	2949.6467	13.1167	8.2	38.8	30.6
1999-08-05	17:18:20	2949.6633	13.1333	8.2	38.8	30.6
1999-08-05	17:18:21	2949.6800	13.1500	8.2	38.8	30.6
1999-08-05	17:18:22	2949.6967	13.1667	8.1	38.8	30.7
1999-08-05	17:18:23	2949.7133	13.1833	8.1	38.8	30.7
1999-08-05	17:18:24	2949.7300	13.2000	8.1	38.8	30.7
1999-08-05	17:18:25	2949.7467	13.2167	8.1	38.8	30.7
1999-08-05	17:18:26	2949.7633	13.2333	8.1	38.8	30.7
1999-08-05	17:18:27	2949.7800	13.2500	8.1	38.8	30.7
1999-08-05	17:18:28	2949.7967	13.2667	8	38.8	30.8
1999-08-05	17:18:29	2949.8133	13.2833	8	38.8	30.8
1999-08-05	17:18:30	2949.8300	13.3000	8	38.8	30.8
1999-08-05	17:18:31	2949.8467	13.3167	8	38.8	30.8
1999-08-05	17:18:32	2949.8633	13.3333	8	38.8	30.8
1999-08-05	17:18:33	2949.8800	13.3500	7.9	38.8	30.9
1999-08-05	17:18:34	2949.8967	13.3667	7.9	38.8	30.9
1999-08-05	17:18:35	2949.9133	13.3833	7.9	38.8	30.9
1999-08-05	17:18:36	2949.9300	13.4000	7.9	38.8	30.9
1999-08-05	17:18:37	2949.9467	13.4167	7.9	38.8	30.9
1999-08-05	17:18:38	2949.9633	13.4333	7.8	38.8	31
1999-08-05	17:18:39	2949.9800	13.4500	7.8	38.8	31
1999-08-05	17:18:40	2949.9967	13.4667	7.8	38.8	31
1999-08-05	17:18:41	2950.0133	13.4833	7.8	38.8	31
1999-08-05	17:18:42	2950.0300	13.5000	7.8	38.8	31
1999-08-05	17:18:43	2950.0467	13.5167	7.8	38.8	31
1999-08-05	17:18:44	2950.0633	13.5333	7.7	38.8	31.1
1999-08-05	17:18:45	2950.0800	13.5500	7.7	38.8	31.1
1999-08-05	17:18:46	2950.0967	13.5667	7.7	38.8	31.1
1999-08-05	17:18:47	2950.1133	13.5833	7.7	38.8	31.1
1999-08-05	17:18:48	2950.1300	13.6000	7.7	38.8	31.1
1999-08-05	17:18:49	2950.1467	13.6167	7.6	38.8	31.2
1999-08-05	17:18:50	2950.1633	13.6333	7.6	38.8	31.2
1999-08-05	17:18:51	2950.1800	13.6500	7.6	38.8	31.2
1999-08-05	17:18:52	2950.1967	13.6667	7.6	38.8	31.2
1999-08-05	17:18:53	2950.2133	13.6833	7.6	38.8	31.2
1999-08-05	17:18:54	2950.2300	13.7000	7.6	38.8	31.2
1999-08-05	17:18:55	2950.2467	13.7167	7.5	38.8	31.3