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Mikroklimatische und faunistische Untersuchungen an den Blockhalden im Rannatal /
Donau (Oberösterreich)

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Bericht

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1. Zielstellung

Im Rahmen eines von der Oberösterreichischen Landesregierung geförderten Projekts wurde das Rannatal nach dem Vorhandensein des terrestrischen Insel-Ökosystems "Kaltluft erzeugende Blockhalde" (Molenda, 1996) untersucht. Im Vordergrund stand dabei die Frage nach dem Reliktstatus der nachzuweisenden Ökosysteme (z.B. Reste einer Urlandschaft). Die Blockhalden im Bereich des Rannatals (vgl. Grims, 1995) sollten dazu auf vorhandene Windröhrensysteme und entsprechende Bioindikatoren hin untersucht werden.

2. Methoden

Die Untersuchungen umfassten zunächst die Messung abiotischer Faktoren zur Identifizierung von Blockhalden mit *airconditioning* Effekt: Luftfeuchte, Temperatur und Strömungsgeschwindigkeit im Fussbereich vorhandener Blockhalden.

Messungen von Luftströmungen und relativer Luftfeuchte wurden zunächst mit mobilen Geräten vorgenommen um eine schnelle Identifizierung von Windröhren in den Blockhalden des Rannatals zu ermöglichen. Standorte, die Hinweise auf vorhandene Windröhren lieferten wurden anschliessend mit automatischen Data-Loggern erfasst. Diese Geräte (von der Grösse einer Filmdose) wurden in den

Blockhaldenkörper versenkt (maximale erreichte Einbautiefe ca. 1 m) und lieferten permanent (3 h-Frequenz) Daten zur Temperatur. Die begleitenden biotischen Untersuchungen umfassten stichprobenhafte Entnahmen von Bodenmaterial (max. Volumina 5 l) aus dem Fussbereich der Halden, die zur Erfassung von Bodenarthropoden herangezogen wurden. Zusammen mit den Dataloggern wurden 2 automatische Fallen (Barberfallen-Prinzip) in das Felsspaltensystem eingelassen. Die Anzahl der simultan eingesetzten Fallen beschränkte sich somit auf maximal 2.

3. Lage der Messtationen

Insgesamt befanden sich 3 Messtationen in einer zusammenhängenden Untersuchungsfläche im Fussbereich einer ausgewählten Blockhalde im mittleren Rannatal bei ca. 350 m N.N. Darüber hinaus wurde eine Referenz-Messstation in 4 m Höhe oberhalb des Fussbereichs der Blockhalde installiert. Gesiebeproben wurden ausschliesslich im Fussbereich dieser Blockhalde entnommen. Weitere Blockhalden im Rannatal wurden nicht untersucht.

Positionen und Bezeichnungen der Messtationen in der untersuchten Fläche

Logger Position

- Ranna 01 Lufttemperatur in 4 m Höhe, oberhalb Mulde (Referenz)
Ranna 02 Lufttemperatur in Mulde vor Blockhalde, 0,5 m Tief,
Ranna 03 Lufttemperatur in Mulde vor Blockhalde, 1 m Tiefe
Ranna 04 Lufttemperatur in Mulde vor Blockhalde, 0,5 m Tief,

Fallen Position

- RF 01 Haldenfuss, Mulde, Spalte, 1 m tief
RF 02 Haldenfuss, Mulde, 0,5 m tief

4. Ergebnisse

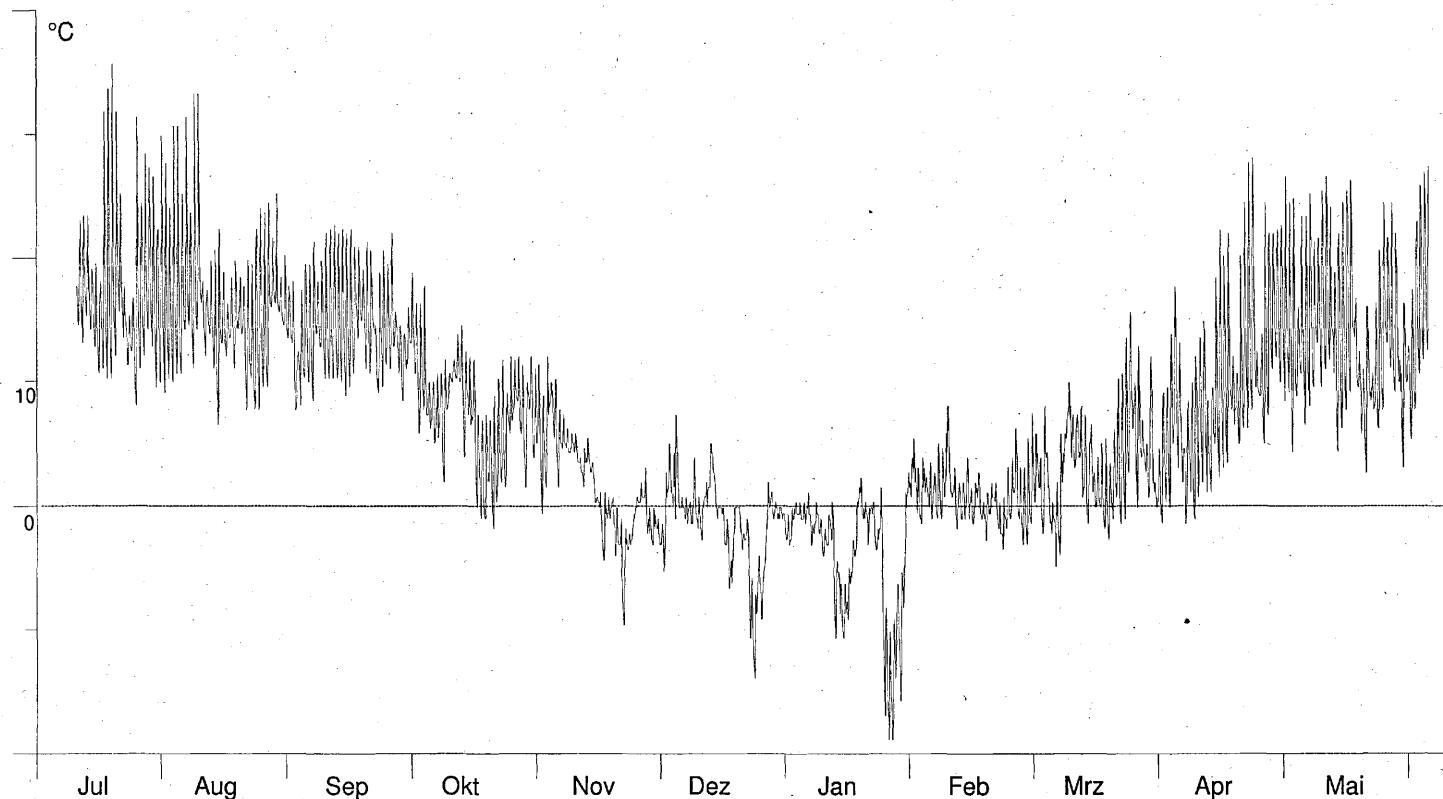
4.1. Mikroklima

Insgesamt lieferten 4 automatische Datalogger über den Zeitraum vom 10.07.1999 bis 24.06. 2000 10.584 Messwerte zum Temperaturverlauf an und in der Blockhalde, die zur Übersicht grafisch dargestellt sind (s.u.). Darüber hinaus wurden hygrometrische und anemometrische Einzelmessungen durchgeführt.

Die Messprotokolle der Datalogger sind mit ihren Einzelwerten im Anhang aufgelistet.

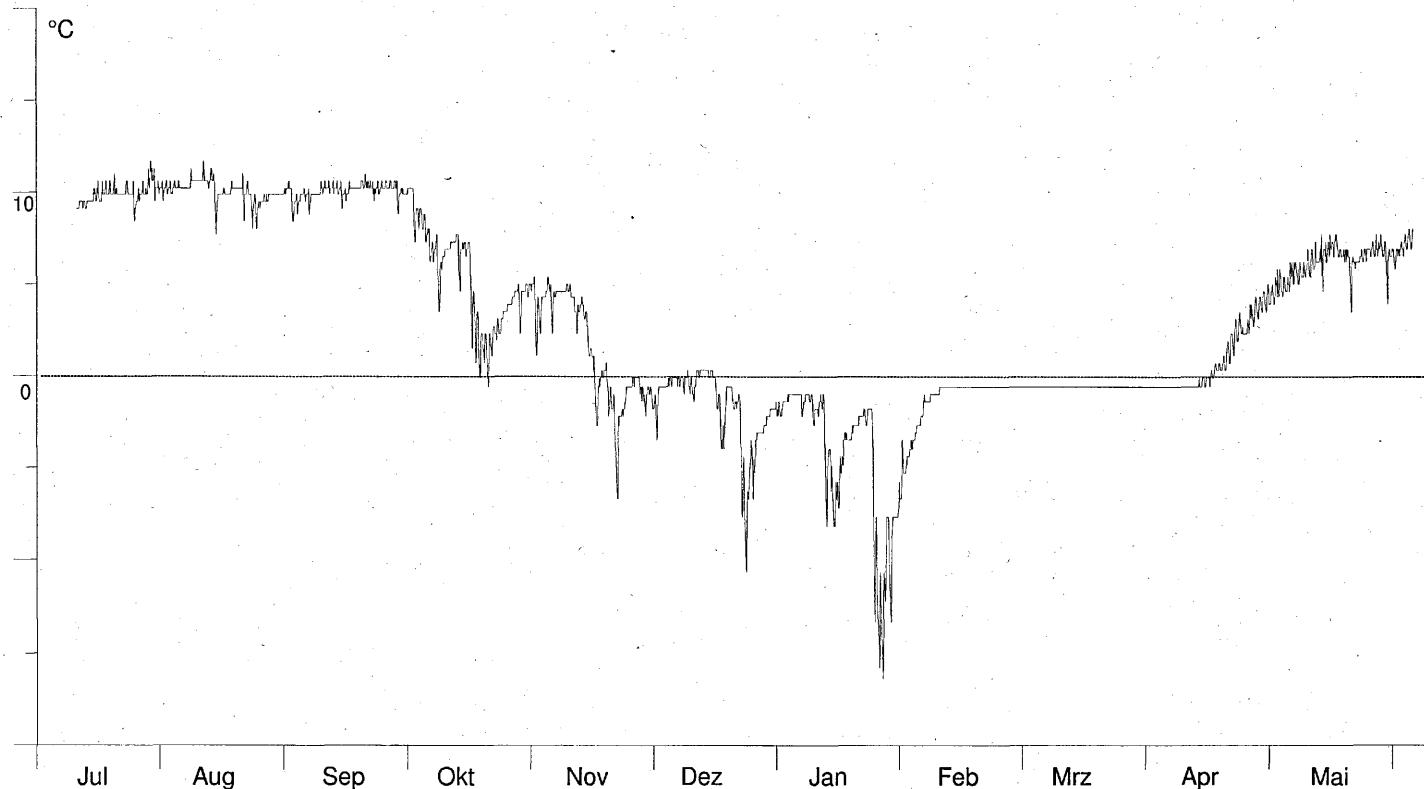
Tab.1: Einzelmessung von Strömung und Luftfeuchte

Faktor	09./10.7.1999	24.10.1999	24./25.6.2000
Relative Luftfeuchte	>90%	>90%	>90%
Max. Luftströmung (m/sec)	1,5	0	0,5



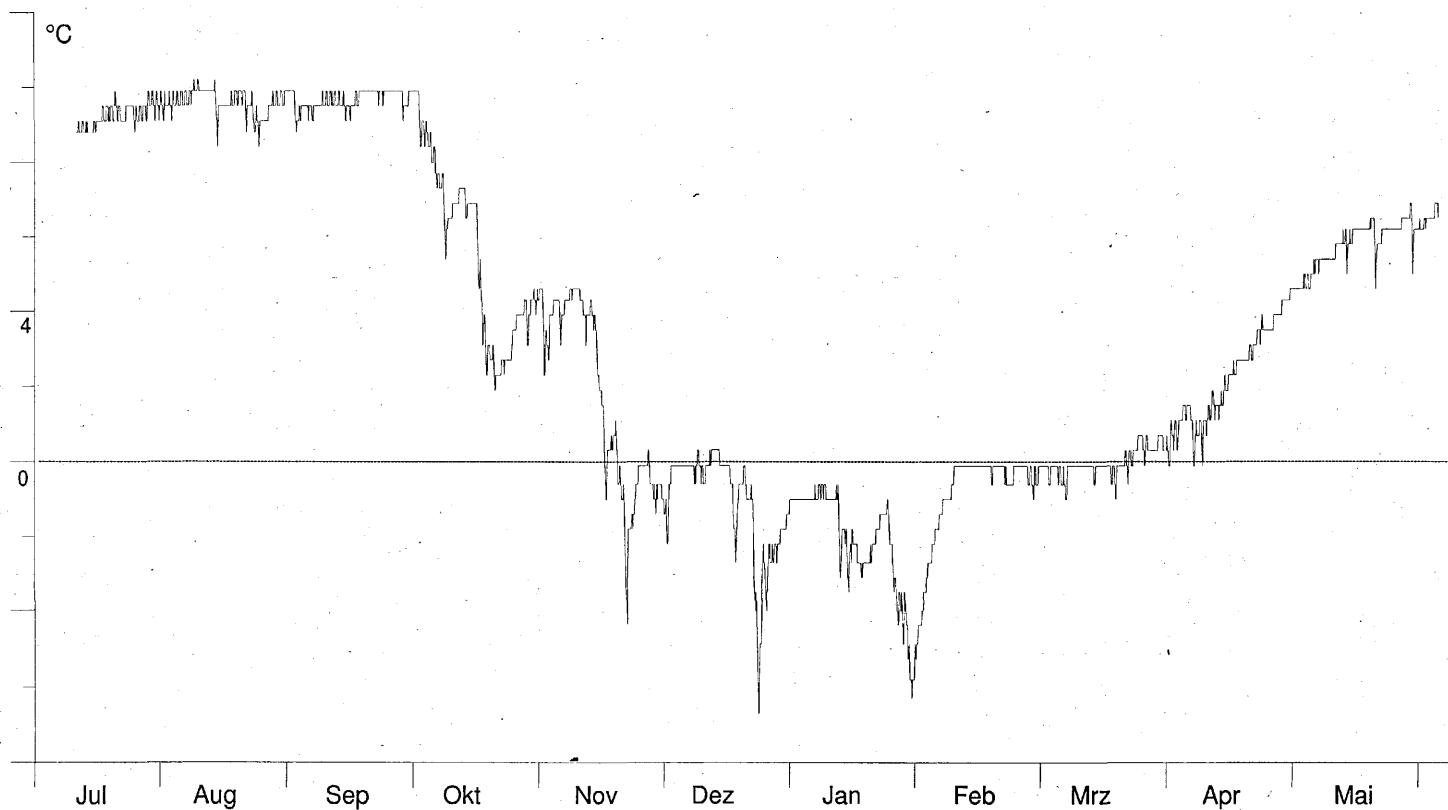
Logger: **Ranna 1**; Periode: 10.07.1999 – 05.06.2000; Messwerte: 2646; Ø-Temperatur: 6,99 °C; Min.: -18,9 °C; Max.: 35,7 °C
Position: Lufttemperatur in 4 m Höhe über Weg, Rannatal

Molenda: Mikroklimatische und faunistische Untersuchungen an den Blockhalden im Rannatal



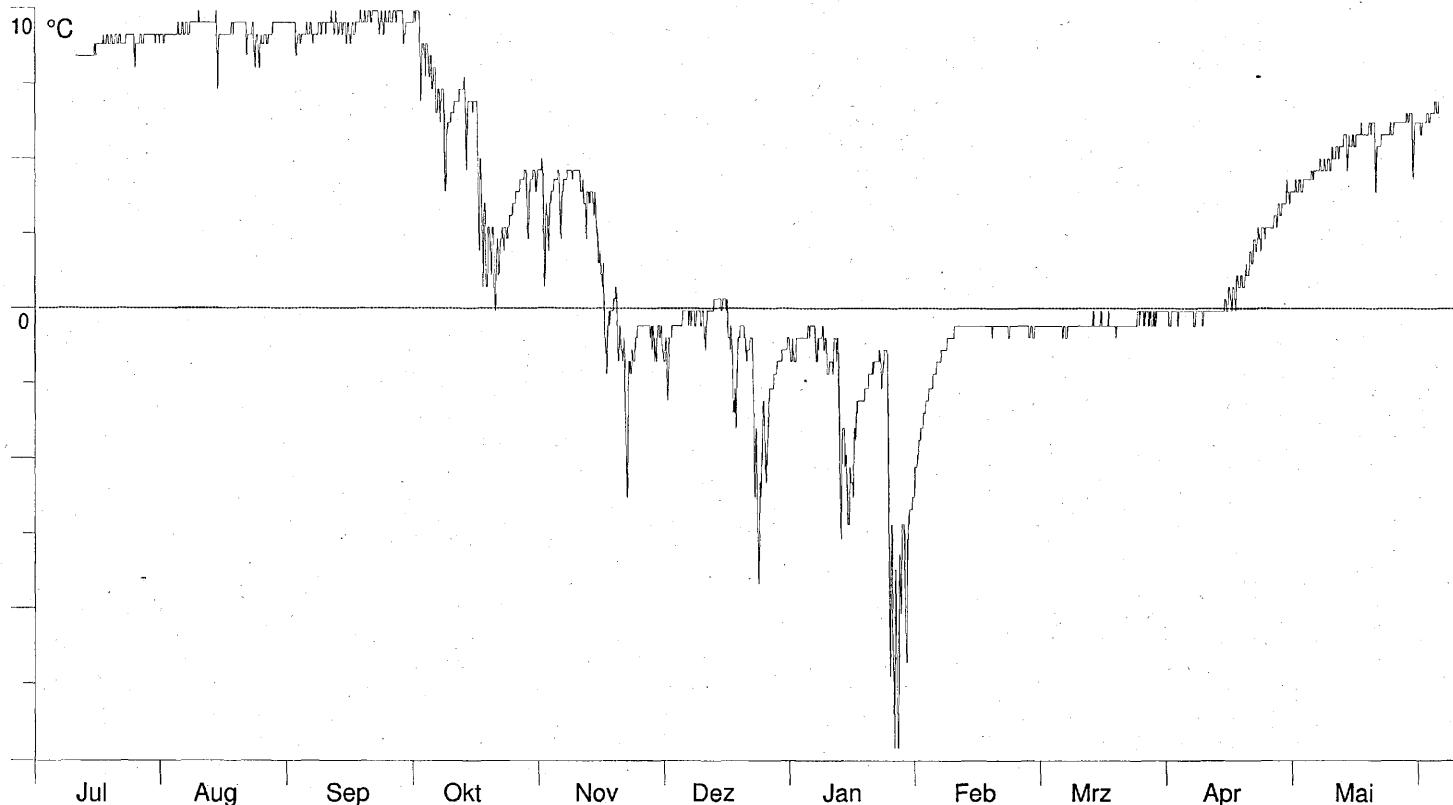
Logger: **Ranna 2**; Periode: 10.07.1999 – 05.06.2000; Messwerte: 2646; Ø-Temperatur: 3,1 °C; Min.: -16,4 °C; Max.: 11,6 °C
Position: Lufttemperatur in Mulde vor Blockhalde, 0,5 m Tiefe, Rannatal

Molenda: Mikroklimatische und faunistische Untersuchungen an den Blockhalden im Rannatal



Logger: **Ranna 3**; Periode: 10.07.1999 – 05.06.2000; Messwerte: 2646; Ø-Temperatur: 3,5 °C; Min.: -6,7 °C; Max.: 10,2 °C
Position: Lufttemperatur in Mulde vor Blockhalde, 1 m Tiefe, Rannatal

Molenda: Mikroklimatische und faunistische Untersuchungen an den Blockhalden im Rannatal



Logger: **Ranna 4**; Periode: 10.07.1999 – 05.06.2000; Messwerte: 2646; Ø-Temperatur: 2,9 °C; Min.: -14,6 °C; Max.: 9,9 °C
Position: Lufttemperatur in Mulde vor Blockhalde, 0,5 m Tiefe, Rannatal

4.2. Fauna

Das Artenspektrum der untersuchten Fauna weist einen erwartungsgemäss hohen Anteil an Arthropoden auf. Von den bislang untersuchten Insekten und Spinnentieren konnten mit den eingesetzten Bodenfallen jedoch keine Arten nachgewiesen werden, die nach bisherigen Kenntnisstand als Bioindikatoren für Reliktlebensräume gelten. Dagegen wurden bei den eingesetzten Bodenextraktionen insgesamt 12 Exemplare eines solchen Bioindikators, die Staphyliniden-Art *Leptusa flavicornis* (BRANCSIK,1874), nachgewiesen.

Tab.2: Nachgewiesene Individuen (nur Fallentfänge 24.10.99 – 24.06.00)

Taxon	Ranna 1	Ranna 2
Trechus sp.		2
Elmis sp.		1
Omalium rivulare		1
Larven (Coleoptera)		3
Diptera	5	1
Mycetoporus		1
Diplopoda		4
Araneae (juv.)	1	2
Atheta sp.	2	
Catops picipes	3	
Scaphiidae	1	
Acarai	5	
Plecoptera		1
Opiliones		1

5. Diskussion

Die Ergebnisse der Messungen lieferten den eindeutigen Nachweis über die Existenz von Windröhren im untersuchten Blockhaldenkörper. Aufgrund des damit zusammenhängenden *airconditioning* Effektes erfolgt eine kleinräumige Temperaturerniedrigung im Bereich der Luftaustritte bei Messstation Ranna 2, 3 und Ranna 4 (Strömungsgeschwindigkeiten im Sommer bis 1 m/sec). Die gemessenen Durchschnittswerte dieser Stationen lagen während der Messperiode bis zu 4 °C unterhalb der durchschnittlichen Mesoklima-Werte und weichen damit sehr stark vom örtlichen Jahresmittel der Lufttemperatur ab.

Bioindikatoren. - Coleoptera (Käfer): *Leptusa flavicornis* (BRANCSIK,1874). Diese Art zeigt stabile Populationen an den untersuchten Standorten und weist in ihrer allgemeinen Verbreitung disjunkte Areale auf. Sie gilt als montan- subalpine Art im südöstlichen Mitteleuropa, der Tatra und den Karpaten, Böhmen, Mähren, Sachsen und den Alpen (aus Nordtirol, Bayerischen Alpen und Alpen der Ostschweiz gemeldet). Funde aus Oberösterreich liegen bislang nicht vor (Pace 1989). *Leptusa flavicornis* ist in ihrem Vorkommen in der nur geringen Meereshöhe des Rannatals unbedingt an die Existenz von Windröhren mit der entsprechenden Temperaturerniedrigung im Habitat gebunden. Vermutlich handelt es sich bei dieser Population im Rannatal um Relikte vergangener Kaltzeiten (vgl. Molenda, 1996). Eine postglaziale Rekolonisierung ist auszuschliessen. Die bislang vorliegenden

Daten zur genetischen Distanz von Populationen anderer Blockhaldenstandorte in Mitteleuropa unterstützen diese Annahme. Weitere Arten von Coleopteren und Acari bedürfen aufgrund taxonomischer Unsicherheiten noch Überprüfungen durch Spezialisten.

6. Naturschutzfachliche Empfehlungen

Die vorliegenden Ergebnisse zur mikroklimatischen und faunistischen Situation der untersuchten Blockhalde im Rannatal zeichnen diesen Standort als terrestrisches Inselökosystem mit Reliktcharakter aus. Die Existenz der bislang nachgewiesenen Reliktkart ist in erster Linie durch das noch intakte Windröhrensystem innerhalb der Blockhalde bedingt. Ein Zusammenbruch dieses, möglicherweise im letzten Glazial entstandenen Systems, würde ein Erlöschen der dort siedelnden Reliktpopulationen nach sich ziehen. Neben der entdeckten Indikator-Art sind weitere Vertreter anderer Tiergruppen zu erwarten, die ebenfalls durch diesen Lebensraum ein disjunktes Verbreitungsbild erfahren haben. Hinsichtlich des Erhalts der genetischen Diversität sollte unbedingt eine anthropogene Beeinflussung von aussen vermieden werden, da insbesondere sog. Ersatz- oder Ausgleichsmassnahmen für diesen Reliktstandort nicht möglich sind. Ein Erhalt der Windröhren und der Fussbereiche der Blockhalden sollte im Vordergrund stehen. Dazu gehört das Unterbinden des Eintrags von Feinmaterial (Schutteintrag, Wegebau oberhalb der Halde, Trittschäden und Materialentnahmen im Fussbereich der Halden).

7. Literatur

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Danksagung

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9. Anhang

Messprotokolle Datalogger

RANNA 01, Messprotokoll (Datum / °C)

10.07.99 20:00	17.7	22.07.99 23:00	13.8	04.08.99 02:00	11.3	16.08.99 05:00	12.0
10.07.99 23:00	16.0	23.07.99 02:00	12.0	04.08.99 05:00	10.6	16.08.99 08:00	13.1
11.07.99 02:00	15.3	23.07.99 05:00	11.3	04.08.99 08:00	17.0	16.08.99 11:00	14.5
11.07.99 05:00	14.5	23.07.99 08:00	11.7	04.08.99 11:00	23.7	16.08.99 14:00	16.3
11.07.99 08:00	17.7	23.07.99 11:00	13.8	04.08.99 14:00	30.7	16.08.99 17:00	15.3
11.07.99 11:00	19.1	23.07.99 14:00	14.5	04.08.99 17:00	22.0	16.08.99 20:00	14.2
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12.07.99 23:00	16.7	25.07.99 02:00	8.4	06.08.99 05:00	14.2	18.08.99 08:00	14.2
13.07.99 02:00	15.6	25.07.99 05:00	8.0	06.08.99 08:00	18.8	18.08.99 11:00	19.8
13.07.99 05:00	15.3	25.07.99 08:00	12.8	06.08.99 11:00	22.7	18.08.99 14:00	18.4
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18.07.99 11:00	24.1	30.07.99 14:00	22.3	11.08.99 17:00	17.0	23.08.99 20:00	11.7
18.07.99 14:00	32.7	30.07.99 17:00	21.6	11.08.99 20:00	15.3	23.08.99 23:00	9.9
18.07.99 17:00	21.3	30.07.99 20:00	14.5	11.08.99 23:00	14.5	24.08.99 02:00	8.0
18.07.99 20:00	15.6	30.07.99 23:00	11.7	12.08.99 02:00	14.5	24.08.99 05:00	7.7
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19.07.99 02:00	11.3	31.07.99 05:00	9.9	12.08.99 08:00	14.9	24.08.99 11:00	19.8
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19.07.99 08:00	15.6	31.07.99 11:00	23.0	12.08.99 14:00	19.8	24.08.99 17:00	17.7
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20.07.99 11:00	25.5	01.08.99 14:00	27.7	13.08.99 17:00	16.7	25.08.99 20:00	13.1
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20.07.99 17:00	23.0	01.08.99 20:00	15.3	13.08.99 23:00	9.1	26.08.99 02:00	10.2
20.07.99 20:00	19.1	01.08.99 23:00	12.4	14.08.99 02:00	7.7	26.08.99 05:00	9.5
20.07.99 23:00	17.7	02.08.99 02:00	11.3	14.08.99 05:00	6.5	26.08.99 08:00	12.4
21.07.99 02:00	16.3	02.08.99 05:00	10.2	14.08.99 08:00	11.3	26.08.99 11:00	22.3
21.07.99 05:00	15.6	02.08.99 08:00	17.4	14.08.99 11:00	19.1	26.08.99 14:00	24.5
21.07.99 08:00	18.8	02.08.99 11:00	24.1	14.08.99 14:00	22.3	26.08.99 17:00	20.2
21.07.99 11:00	25.2	02.08.99 14:00	22.0	14.08.99 17:00	18.4	26.08.99 20:00	17.0
21.07.99 14:00	24.5	02.08.99 17:00	19.1	14.08.99 20:00	14.2	26.08.99 23:00	16.3
21.07.99 17:00	17.7	02.08.99 20:00	14.5	14.08.99 23:00	13.1	27.08.99 02:00	16.3
21.07.99 20:00	17.0	02.08.99 23:00	12.0	15.08.99 02:00	13.1	27.08.99 05:00	16.0
21.07.99 23:00	15.3	03.08.99 02:00	10.6	15.08.99 05:00	13.1	27.08.99 08:00	16.7
22.07.99 02:00	15.6	03.08.99 05:00	9.9	15.08.99 08:00	14.9	27.08.99 11:00	18.8
22.07.99 05:00	13.5	03.08.99 08:00	16.7	15.08.99 11:00	16.3	27.08.99 14:00	21.6
22.07.99 08:00	16.3	03.08.99 11:00	23.4	15.08.99 14:00	18.8	27.08.99 17:00	19.1
22.07.99 11:00	17.7	03.08.99 14:00	30.7	15.08.99 17:00	18.8	27.08.99 20:00	17.4
22.07.99 14:00	15.3	03.08.99 17:00	20.6	15.08.99 20:00	15.3	27.08.99 23:00	17.0
22.07.99 17:00	15.6	03.08.99 20:00	16.3	15.08.99 23:00	13.1	28.08.99 02:00	16.3
22.07.99 20:00	14.9	03.08.99 23:00	12.8	16.08.99 02:00	12.4	28.08.99 05:00	16.3

RANNA 01, Messprotokoll (Datum / °C)

28.08.99 08:00	17,0
28.08.99 11:00	19,5
28.08.99 14:00	25,2
28.08.99 17:00	16,7
28.08.99 20:00	16,0
28.08.99 23:00	16,0
29.08.99 02:00	15,6
29.08.99 05:00	15,6
29.08.99 08:00	16,7
29.08.99 11:00	17,4
29.08.99 14:00	18,4
29.08.99 17:00	16,3
29.08.99 20:00	15,6
29.08.99 23:00	14,9
30.08.99 02:00	14,9
30.08.99 05:00	14,5
30.08.99 08:00	14,9
30.08.99 11:00	16,7
30.08.99 14:00	20,2
30.08.99 17:00	17,4
30.08.99 20:00	14,9
30.08.99 23:00	14,2
31.08.99 02:00	13,5
31.08.99 05:00	13,5
31.08.99 08:00	15,3
31.08.99 11:00	17,7
31.08.99 14:00	17,0
31.08.99 17:00	17,0
31.08.99 20:00	14,2
31.08.99 23:00	13,5
01.09.99 02:00	13,5
01.09.99 05:00	13,1
01.09.99 08:00	14,2
01.09.99 11:00	18,1
01.09.99 14:00	16,7
01.09.99 17:00	13,8
01.09.99 20:00	10,2
01.09.99 23:00	8,4
02.09.99 02:00	7,7
02.09.99 05:00	7,7
02.09.99 08:00	9,1
02.09.99 11:00	12,0
02.09.99 14:00	12,0
02.09.99 17:00	12,4
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02.09.99 23:00	11,0
03.09.99 02:00	11,0
03.09.99 05:00	9,9
03.09.99 08:00	10,6
03.09.99 11:00	19,5
03.09.99 14:00	22,3
03.09.99 17:00	17,7
03.09.99 20:00	13,8
03.09.99 23:00	11,3
04.09.99 02:00	9,9
04.09.99 05:00	8,8
04.09.99 08:00	9,9
04.09.99 11:00	20,6
04.09.99 14:00	22,0
04.09.99 17:00	17,0
04.09.99 20:00	13,8
04.09.99 23:00	12,0
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05.09.99 05:00	9,5
05.09.99 08:00	10,6
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05.09.99 14:00	22,3
05.09.99 17:00	18,1
05.09.99 20:00	14,5
05.09.99 23:00	10,5
06.09.99 02:00	12,4
06.09.99 05:00	11,3
06.09.99 08:00	10,2
06.09.99 11:00	18,8
06.09.99 14:00	19,5
06.09.99 17:00	18,4
06.09.99 20:00	13,8
06.09.99 23:00	11,3
07.09.99 02:00	11,3
07.09.99 05:00	9,9
07.09.99 08:00	12,0
07.09.99 11:00	14,5
07.09.99 14:00	17,4
07.09.99 17:00	15,6
07.09.99 20:00	12,4
07.09.99 23:00	10,6
08.09.99 02:00	10,6
08.09.99 05:00	9,1
08.09.99 08:00	8,4
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08.09.99 14:00	19,5
08.09.99 17:00	18,4
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09.09.99 08:00	12,4
09.09.99 11:00	20,2
09.09.99 14:00	22,3
09.09.99 17:00	18,1
09.09.99 20:00	14,5
09.09.99 23:00	10,5
10.09.99 02:00	10,6
10.09.99 05:00	9,5
10.09.99 08:00	10,6
10.09.99 11:00	19,5
10.09.99 14:00	22,3
10.09.99 17:00	17,7
10.09.99 20:00	13,8
10.09.99 23:00	11,3
11.09.99 02:00	11,3
11.09.99 05:00	10,6
11.09.99 08:00	12,4
11.09.99 11:00	20,2
11.09.99 14:00	22,3
11.09.99 17:00	18,1
11.09.99 20:00	14,5
11.09.99 23:00	10,5
12.09.99 02:00	10,6
12.09.99 05:00	9,5
12.09.99 08:00	10,6
12.09.99 11:00	19,5
12.09.99 14:00	22,3
12.09.99 17:00	17,7
12.09.99 20:00	13,8
12.09.99 23:00	11,3
13.09.99 02:00	11,0
13.09.99 05:00	9,9
13.09.99 08:00	10,6
13.09.99 11:00	19,5
13.09.99 14:00	22,3
13.09.99 17:00	17,7
13.09.99 20:00	13,8
13.09.99 23:00	11,3
14.09.99 02:00	11,0
14.09.99 05:00	9,9
14.09.99 08:00	10,6
14.09.99 11:00	19,5
14.09.99 14:00	22,3
14.09.99 17:00	17,7
14.09.99 20:00	13,8
14.09.99 23:00	11,3
15.09.99 02:00	11,0
15.09.99 05:00	9,9
15.09.99 08:00	10,6
15.09.99 11:00	19,5
15.09.99 14:00	22,3
15.09.99 17:00	17,7
15.09.99 20:00	13,8
15.09.99 23:00	11,3
16.09.99 02:00	11,3
16.09.99 05:00	10,6
16.09.99 08:00	12,4
16.09.99 11:00	20,2
16.09.99 14:00	22,3
16.09.99 17:00	18,1
16.09.99 20:00	16,3
16.09.99 23:00	12,8
17.09.99 02:00	14,9
17.09.99 05:00	13,5
17.09.99 08:00	14,2
17.09.99 11:00	20,2
17.09.99 14:00	20,9
17.09.99 17:00	18,4
17.09.99 20:00	16,3
17.09.99 23:00	12,8
18.09.99 02:00	14,9
18.09.99 05:00	13,5
18.09.99 08:00	14,2
18.09.99 11:00	20,2
18.09.99 14:00	20,9
18.09.99 17:00	18,4
18.09.99 20:00	16,3
18.09.99 23:00	12,8
19.09.99 02:00	14,9
19.09.99 05:00	13,5
19.09.99 08:00	14,2
19.09.99 11:00	20,2
19.09.99 14:00	20,9
19.09.99 17:00	18,4
19.09.99 20:00	16,3
19.09.99 23:00	12,8
20.09.99 02:00	12,4
20.09.99 05:00	10,6
20.09.99 08:00	12,8
20.09.99 11:00	20,6
20.09.99 14:00	20,8
20.09.99 17:00	17,7
20.09.99 20:00	16,0
20.09.99 23:00	13,8
21.09.99 02:00	14,5
21.09.99 05:00	12,2
21.09.99 08:00	14,2
21.09.99 11:00	20,9
21.09.99 14:00	21,3
21.09.99 17:00	18,1
21.09.99 20:00	16,0
21.09.99 23:00	13,8
22.09.99 02:00	12,4
22.09.99 05:00	10,6
22.09.99 08:00	12,8
22.09.99 11:00	20,6
22.09.99 14:00	20,8
22.09.99 17:00	17,7
22.09.99 20:00	16,0
22.09.99 23:00	13,8
23.09.99 02:00	11,0
23.09.99 05:00	9,5
23.09.99 08:00	10,6
23.09.99 11:00	19,5
23.09.99 14:00	22,3
23.09.99 17:00	17,7
23.09.99 20:00	13,8
23.09.99 23:00	11,3
24.09.99 02:00	12,4
24.09.99 05:00	10,6
24.09.99 08:00	12,8
24.09.99 11:00	20,6
24.09.99 14:00	20,8
24.09.99 17:00	17,7
24.09.99 20:00	16,0
24.09.99 23:00	13,8
25.09.99 02:00	11,0
25.09.99 05:00	9,5
25.09.99 08:00	10,6
25.09.99 11:00	19,5
25.09.99 14:00	22,3
25.09.99 17:00	17,7
25.09.99 20:00	13,8
25.09.99 23:00	11,3
26.09.99 02:00	12,4
26.09.99 05:00	10,6
26.09.99 08:00	12,8
26.09.99 11:00	20,6
26.09.99 14:00	20,8
26.09.99 17:00	17,7
26.09.99 20:00	16,0
26.09.99 23:00	13,8
27.09.99 02:00	12,0
27.09.99 05:00	10,6
27.09.99 08:00	12,8
27.09.99 11:00	20,6
27.09.99 14:00	20,8
27.09.99 17:00	17,7
27.09.99 20:00	16,0
27.09.99 23:00	13,8
28.09.99 02:00	8,4
28.09.99 05:00	9,1
28.09.99 08:00	10,6
28.09.99 11:00	19,5
28.09.99 14:00	22,3
28.09.99 17:00	17,7
28.09.99 20:00	13,8
28.09.99 23:00	11,3
29.09.99 02:00	11,3
29.09.99 05:00	10,6
29.09.99 08:00	12,4
29.09.99 11:00	20,2
29.09.99 14:00	20,9
29.09.99 17:00	18,4
29.09.99 20:00	16,0
29.09.99 23:00	13,8
30.09.99 02:00	13,1
30.09.99 05:00	13,1
30.09.99 08:00	13,8
30.09.99 11:00	17,0
30.09.99 14:00	16,0
30.09.99 17:00	11,7
30.09.99 20:00	11,7
30.09.99 23:00	13,1
31.09.99 02:00	13,1
31.09.99 05:00	13,1
31.09.99 08:00	13,8
31.09.99 11:00	17,0
31.09.99 14:00	16,0
31.09.99 17:00	11,7
31.09.99 20:00	11,7
31.09.99 23:00	13,1
32.09.99 02:00	13,1
32.09.99 05:00	13,1
32.09.99 08:00	13,8
32.09.99 11:00	17,0
32.09.99 14:00	16,0
32.09.99 17:00	11,7
32.09.99 20:00	11,7
32.09.99 23:00	13,1
33.09.99 02:00	13,1
33.09.99 05:00	13,1
33.09.99 08:00	13,8
33.09.99 11:00	17,0
33.09.99 14:00	16,0
33.09.99 17:00	11,7
33.09.99 20:00	11,7
33.09.99 23:00	13,1
34.09.99 02:00	13,1
34.09.99 05:00	13,1
34.09.99 08:00	13,8
34.09.99 11:00	17,0
34.09.99 14:00	16,0
34.09.99 17:00	11,7
34.09.99 20:00	11,7
34.09.99 23:00	13,1
35.09.99 02:00	13,1
35.09.99 05:00	13,1
35.09.99 08:00	13,8
35.09.99 11:00	17,0
35.09.99 14:00	16,0
35.09.99 17:00	11,7
35.09.99 20:00	11,7
35.09.99 23:00	13,1
36.09.99 02:00	13,1
36.09.99 05:00	13,1
36.09.99 08:00	13,8
36.09.99 11:00	17,0
36.09.99 14:00	16,0
36.09.99 17:00	11,7
36.09.99 20:00	11,7
36.09.99 23:00	13,1
37.09.99 02:00	13,1
37.09.99 05:00	13,1
37.09.99 08:00	13,8
37.09.99 11:00	17,0
37.09.99 14:00	16,0
37.09.99 17:00	11,7
37.09.99 20:00	11,7
37.09.99 23:00	13,1
38.09.99 02:00	13,1
38.09.99 05:00	13,1
38.09.99 08:00	13,8
38.09.99 11:00	17,0
38.09.99 14:00	16,0
38.09.99 17:00	11,7
38.09.99 20:00	11,7
38.09.99 23:00	13,1
39.09.99 02:00	13,1
39.09.99 05:00	13,1
39.09.99 08:00	13,8
39.09.99 11:00	17,0
39.09.99 14:00	16,0
39.09.99 17:00	11,7
39.09.99 20:00	11,7
39.09.99 23:00	13,1
40.09.99 02:00	13,1
40.09.99 05:00	13,1
40.09.99 08:00	13,8
40.09.99 11:00	17,0
40.09.99 14:00	16,0
40.09.99 17:00	11,7
40.09.99 20:00	11,7
40.09.99 23:00	13,1
41.09.99 02:00	13,1
41.09.99 05:00	13,1
41.09.99 08:00	13,8
41.09.99 11:00	17,0
41.09.99 14:00	16,0
41.09.99 17:00	11,7
41.09.99 20:00	11,7
41.09.99 23:00	13,1
42.09.99 02:00	13,1
42.09.99 05:00	13,1
42.09.99 08:00	13,8
42.09.99 11:00	17,0
42.09.99 14:00	16,0
42.09.99 17:00	11,7
42.09.99 20:00	11,7
42.09.99 23:00	13,1
43.09.99 02:00	13,1
43.09.99 05:00	13,1
43.09.99 08:00	13,8
43.09.99 11:00	17,0
43.09.99 14:00	16,0
43.09.99 17:00	11,7
43.09.99 20:00	11,7
43.09.99 23:00	13,1
44.09.99 02:00	13,1
44.09.99 05:00	13,1
44.09.99 08:00	13,8
44.09.99 11:00	17,0
44.09.99 1	

RANNA 01, Messprotokoll (Datum / °C)

15.10.99 20:00	7.7
15.10.99 23:00	3.5
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16.10.99 05:00	0.3
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16.10.99 11:00	6.9
16.10.99 14:00	7.3
16.10.99 17:00	6.2
16.10.99 20:00	2.3
16.10.99 23:00	2.3
17.10.99 02:00	1.1
17.10.99 05:00	-1.0
17.10.99 08:00	-0.6
17.10.99 11:00	5.0
17.10.99 14:00	6.9
17.10.99 17:00	5.0
17.10.99 20:00	0.7
17.10.99 23:00	-0.6
18.10.99 02:00	-1.0
18.10.99 05:00	-1.0
18.10.99 08:00	-0.6
18.10.99 11:00	4.6
18.10.99 14:00	7.3
18.10.99 17:00	5.8
18.10.99 20:00	4.3
18.10.99 23:00	1.9
19.10.99 02:00	2.7
19.10.99 05:00	2.3
19.10.99 08:00	1.9
19.10.99 11:00	5.8
19.10.99 14:00	6.9
19.10.99 17:00	5.0
19.10.99 20:00	3.1
19.10.99 23:00	0.3
20.10.99 02:00	-1.0
20.10.99 05:00	-1.4
20.10.99 08:00	-1.8
20.10.99 11:00	6.5
20.10.99 14:00	8.8
20.10.99 17:00	5.4
20.10.99 20:00	2.3
20.10.99 23:00	1.1
21.10.99 02:00	0.3
21.10.99 05:00	1.1
21.10.99 08:00	1.9
21.10.99 11:00	9.1
21.10.99 14:00	10.2
21.10.99 17:00	7.7
21.10.99 20:00	4.6
21.10.99 23:00	3.9
22.10.99 02:00	2.7
22.10.99 05:00	1.9
22.10.99 08:00	1.9
22.10.99 11:00	10.2
22.10.99 14:00	11.7
22.10.99 17:00	7.7
22.10.99 20:00	3.9
22.10.99 23:00	2.3
23.10.99 02:00	1.5
23.10.99 05:00	1.9
23.10.99 08:00	2.7
23.10.99 11:00	7.7
23.10.99 14:00	9.1
23.10.99 17:00	8.0
23.10.99 20:00	7.3
23.10.99 23:00	7.3
24.10.99 02:00	6.5
24.10.99 05:00	6.5
24.10.99 08:00	5.8
24.10.99 11:00	8.4
24/10/99 14:59:14	12.0
24/10/99 17:59:14	8.8
24/10/99 20:59:14	6.9
24/10/99 23:59:14	6.9
25/10/99 02:59:14	7.3
25/10/99 05:59:14	7.7
25/10/99 08:59:14	8.4
25/10/99 11:59:14	10.6
25/10/99 14:59:14	11.7
25/10/99 17:59:14	9.9
25/10/99 20:59:14	9.1
25/10/99 23:59:14	8.8
26/10/99 02:59:14	8.4
26/10/99 05:59:14	8.4
26/10/99 08:59:14	9.1
26/10/99 11:59:14	11.7
26/10/99 14:59:14	12.0
26/10/99 17:59:14	9.1
26/10/99 20:59:14	6.9
26/10/99 23:59:14	6.2
27/10/99 02:59:14	5.8
27/10/99 05:59:14	6.5
27/10/99 08:59:14	8.4
27/10/99 11:59:14	11.3
27/10/99 14:59:14	10.2
27/10/99 17:59:14	6.5
27/10/99 20:59:14	4.8

27/10/99 23:54:14	3.5
28/10/99 02:59:14	2.3
28/10/99 05:59:14	1.5
28/10/99 08:59:14	3.5
28/10/99 11:59:14	9.1
28/10/99 14:59:14	9.9
28/10/99 17:59:14	9.1
28/10/99 20:59:14	8.8
28/10/99 23:59:14	8.4
29/10/99 02:59:14	7.7
29/10/99 05:59:14	8.8
29/10/99 08:59:14	9.1
29/10/99 11:59:14	11.7
29/10/99 14:59:14	12.0
29/10/99 17:59:14	10.2
29/10/99 20:59:14	7.3
29/10/99 23:59:14	5.0
30/10/99 02:59:14	3.9
30/10/99 05:59:14	3.9
30/10/99 08:59:14	5.9
30/10/99 11:59:14	10.2
30/10/99 14:59:14	11.0
30/10/99 17:59:14	7.3
30/10/99 20:59:14	5.4
30/10/99 23:59:14	5.0
31/10/99 02:59:14	5.8
31/10/99 05:59:14	6.2
31/10/99 08:59:14	7.7
31/10/99 11:59:14	11.3
31/10/99 14:59:14	9.5
31/10/99 17:59:14	6.2
31/10/99 20:59:14	3.9
31/10/99 23:59:14	2.3
01/11/99 02:59:14	0.3
01/11/99 05:59:14	-0.6
01/11/99 08:59:14	1.1
01/11/99 11:59:14	8.8
01/11/99 14:59:14	8.8
01/11/99 17:59:14	6.2
01/11/99 20:59:14	3.9
01/11/99 23:59:14	2.7
02/11/99 02:59:14	1.9
02/11/99 05:59:14	1.5
02/11/99 08:59:14	3.5
02/11/99 11:59:14	10.2
02/11/99 14:59:14	12.0
02/11/99 17:59:14	8.0
02/11/99 20:59:14	7.3
02/11/99 23:59:14	8.0
03/11/99 02:59:14	8.4
03/11/99 05:59:14	8.8
03/11/99 08:59:14	8.8
03/11/99 11:59:14	9.9
03/11/99 14:59:14	9.9
03/11/99 17:59:14	8.8
03/11/99 20:59:14	8.0
03/11/99 23:59:14	6.9
04/11/99 02:59:14	6.2
04/11/99 05:59:14	5.4
04/11/99 08:59:14	6.5
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04/11/99 17:59:14	7.7
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05/11/99 05:59:14	1.5
05/11/99 08:59:14	5.0
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05/11/99 14:59:14	6.5
05/11/99 17:59:14	6.5
05/11/99 20:59:14	3.9
05/11/99 23:59:14	2.7
06/11/99 02:59:14	1.9
06/11/99 05:59:14	1.5
06/11/99 08:59:14	5.0
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07/11/99 02:59:14	5.0
07/11/99 05:59:14	4.6
07/11/99 08:59:14	5.4
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07/11/99 14:59:14	5.8
07/11/99 17:59:14	4.6
07/11/99 20:59:14	4.3
07/11/99 23:59:14	4.3
08/11/99 02:59:14	4.3
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11/11/99 05:59:14	2.3
11/11/99 08:59:14	1.5
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12/11/99 02:59:14	3.9
12/11/99 05:59:14	3.5
12/11/99 08:59:14	3.9
12/11/99 11:59:14	5.4
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13/11/99 02:59:14	2.7
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13/11/99 23:59:14	1.9
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15/11/99 08:59:14	-0.1
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15/11/99 14:59:14	-0.6
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15/11/99 20:59:14	-2.7
15/11/99 23:59:14	-3.1
16/11/99 02:59:14	-4.0
16/11/99 05:59:14	-4.4
16/11/99 08:59:14	-4.0
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17/11/99 17:59:14	-1.0
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18/11/99 08:59:14	-0.1
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20/11/99 14:59:14	-2.7
20/11/99 17:59:14	-5.3
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21/11/99 23:59:14	-8.2

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21/11/99 23:59:14	-31
22/11/99 02:59:14	-35
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22/11/99 11:59:14	-22
22/11/99 14:59:14	-27
22/11/99 17:59:14	-31
22/11/99 20:59:14	-27
22/11/99 23:59:14	-27
23/11/99 02:59:14	-27
23/11/99 05:59:14	-22
23/11/99 08:59:14	-18
23/11/99 11:59:14	-10
23/11/99 14:59:14	-10
23/11/99 17:59:14	-06
23/11/99 20:59:14	-06
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24/11/99 02:59:14	-01
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26/11/99 17:59:14	0.3
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26/11/99 23:59:14	0.3
27/11/99 02:59:14	-1.0
27/11/99 05:59:14	-1.4
27/11/99 08:59:14	-22
27/11/99 11:59:14	-0.1
27/11/99 14:59:14	-0.6
27/11/99 17:59:14	-0.6
27/11/99 20:59:14	-1.8
27/11/99 23:59:14	-1.8
28/11/99 02:59:14	-27
28/11/99 05:59:14	-31
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28/11/99 11:59:14	-0.1
28/11/99 14:59:14	-0.6
28/11/99 17:59:14	-0.6
28/11/99 20:59:14	-0.1
28/11/99 23:59:14	-0.1
29/11/99 02:59:14	-1.0
29/11/99 05:59:14	-1.4
29/11/99 08:59:14	-1.4
29/11/99 11:59:14	-1.4
29/11/99 14:59:14	-1.4
29/11/99 17:59:14	-1.8
29/11/99 20:59:14	-1.8
29/11/99 23:59:14	-1.8
30/11/99 02:59:14	-2.7
30/11/99 05:59:14	-3.1
30/11/99 08:59:14	-3.1
30/11/99 11:59:14	-3.1
30/11/99 14:59:14	-0.1
30/11/99 17:59:14	-1.8
30/11/99 20:59:14	-0.6
30/11/99 23:59:14	-0.6
31/11/99 02:59:14	-2.2
31/11/99 05:59:14	-1.4
31/11/99 08:59:14	-1.8
31/11/99 11:59:14	-2.7
31/11/99 14:59:14	-2.7
31/11/99 17:59:14	-0.7
31/11/99 20:59:14	1.1
31/11/99 23:59:14	1.1
01/12/99 02:59:14	-5.3
01/12/99 05:59:14	-4.4
01/12/99 08:59:14	-4.4
01/12/99 11:59:14	-2.2
01/12/99 14:59:14	-1.0
01/12/99 17:59:14	-2.2
01/12/99 20:59:14	-2.2
01/12/99 23:59:14	-2.7
02/12/99 02:59:14	-3.1
02/12/99 05:59:14	-3.9
02/12/99 08:59:14	-5.0
02/12/99 11:59:14	-3.1
02/12/99 14:59:14	-2.3
02/12/99 17:59:14	-1.1
02/12/99 20:59:14	-0.7
02/12/99 23:59:14	-0.7
03/12/99 02:59:14	-0.7
03/12/99 05:59:14	-0.7
03/12/99 08:59:14	-0.7
03/12/99 11:59:14	-0.7
03/12/99 14:59:14	-0.7
03/12/99 17:59:14	-0.7
03/12/99 20:59:14	-0.7
03/12/99 23:59:14	-0.7

RANNA 01, Messprotokoll (Datum / °C)

03/12/99 08:59:14	-0.1	15/12/99 11:59:14	-0.1	27/12/99 14:59:14	1.1	08/01/00 17:59:14	-1.8
03/12/99 11:59:14	3.9	15/12/99 14:59:14	-0.1	27/12/99 20:59:14	-0.6	08/01/00 20:59:14	-2.7
03/12/99 14:59:14	4.3	15/12/99 17:59:14	-1.8	27/12/99 23:59:14	-1.0	08/01/00 23:59:14	-3.5
03/12/99 17:59:14	-0.1	15/12/99 20:59:14	-2.7	28/12/99 02:59:14	-0.6	09/01/00 02:59:14	-4.0
03/12/99 20:59:14	-1.0	15/12/99 23:59:14	-3.1	28/12/99 05:59:14	-0.6	09/01/00 05:59:14	-4.0
03/12/99 23:59:14	4.3	16/12/99 02:59:14	-3.1	28/12/99 08:59:14	-0.1	09/01/00 08:59:14	-3.5
04/12/99 02:59:14	7.3	16/12/99 05:59:14	-3.1	28/12/99 11:59:14	0.3	09/01/00 11:59:14	-2.2
04/12/99 05:59:14	6.5	16/12/99 08:59:14	-3.1	28/12/99 14:59:14	-0.1	09/01/00 14:59:14	-1.8
04/12/99 08:59:14	4.6	16/12/99 11:59:14	-1.0	28/12/99 17:59:14	-0.1	09/01/00 17:59:14	-2.7
04/12/99 11:59:14	2.3	16/12/99 14:59:14	-1.4	28/12/99 20:59:14	-0.1	09/01/00 20:59:14	-2.7
04/12/99 14:59:14	1.5	16/12/99 17:59:14	-2.2	28/12/99 23:59:14	-1.0	09/01/00 23:59:14	-3.1
04/12/99 17:59:14	-0.1	16/12/99 20:59:14	-2.7	29/12/99 02:59:14	-0.6	10/01/00 02:59:14	-3.1
04/12/99 20:59:14	-0.1	16/12/99 23:59:14	-4.4	29/12/99 05:59:14	-0.6	10/01/00 05:59:14	-3.1
04/12/99 23:59:14	-0.1	17/12/99 02:59:14	-6.7	29/12/99 08:59:14	-0.6	10/01/00 08:59:14	-3.1
05/12/99 02:59:14	-0.1	17/12/99 05:59:14	-5.8	29/12/99 11:59:14	-1.0	10/01/00 11:59:14	-1.0
05/12/99 05:59:14	-0.1	17/12/99 08:59:14	-5.8	29/12/99 14:59:14	-0.1	10/01/00 14:59:14	-0.6
05/12/99 11:59:14	0.7	17/12/99 11:59:14	-4.4	29/12/99 17:59:14	-0.1	10/01/00 17:59:14	-1.0
05/12/99 14:59:14	0.3	17/12/99 17:59:14	-6.3	29/12/99 20:59:14	-0.1	10/01/00 20:59:14	-1.8
05/12/99 17:59:14	-0.1	17/12/99 20:59:14	-5.8	30/12/99 02:59:14	-0.6	11/01/00 02:59:14	-1.8
05/12/99 20:59:14	-0.1	17/12/99 23:59:14	-4.4	30/12/99 05:59:14	-1.0	11/01/00 05:59:14	-2.7
05/12/99 23:59:14	-0.1	18/12/99 02:59:14	-3.1	30/12/99 08:59:14	-0.6	11/01/00 08:59:14	-2.2
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06/12/99 08:59:14	-1.0	18/12/99 11:59:14	-0.1	30/12/99 17:59:14	-0.6	11/01/00 17:59:14	-2.7
06/12/99 11:59:14	0.7	18/12/99 14:59:14	-0.1	30/12/99 20:59:14	-2.2	11/01/00 20:59:14	-5.3
06/12/99 14:59:14	0.3	18/12/99 17:59:14	-0.1	30/12/99 23:59:14	-2.2	11/01/00 23:59:14	-7.7
06/12/99 17:59:14	-1.4	18/12/99 20:59:14	-0.1	31/12/99 02:59:14	-2.7	12/01/00 02:59:14	-9.2
06/12/99 20:59:14	-1.0	18/12/99 23:59:14	-0.1	31/12/99 05:59:14	-2.7	12/01/00 05:59:14	-10.2
06/12/99 23:59:14	-0.6	19/12/99 02:59:14	-0.1	31/12/99 08:59:14	-2.2	12/01/00 08:59:14	-10.7
07/12/99 02:59:14	-0.1	19/12/99 05:59:14	-0.1	31/12/99 11:59:14	-0.6	12/01/00 11:59:14	-6.3
07/12/99 05:59:14	-0.1	19/12/99 08:59:14	-0.1	31/12/99 14:59:14	-1.0	12/01/00 14:59:14	-5.3
07/12/99 08:59:14	-0.1	19/12/99 11:59:14	-0.1	31/12/99 17:59:14	-2.2	12/01/00 20:59:14	-5.3
07/12/99 11:59:14	0.3	19/12/99 14:59:14	-0.1	31/12/99 20:59:14	-3.1	12/01/00 23:59:14	-5.3
07/12/99 14:59:14	0.3	19/12/99 17:59:14	-0.6	31/12/99 23:59:14	-2.7	13/01/00 02:59:14	-5.3
07/12/99 17:59:14	-1.4	19/12/99 20:59:14	-1.8	01/01/00 02:59:14	-2.7	13/01/00 05:59:14	-6.3
07/12/99 20:59:14	-1.4	19/12/99 23:59:14	-2.2	01/01/00 08:59:14	-2.7	13/01/00 11:59:14	-6.3
07/12/99 23:59:14	-1.4	20/12/99 02:59:14	-2.2	01/01/00 11:59:14	-0.6	13/01/00 14:59:14	-6.3
08/12/99 02:59:14	-0.1	20/12/99 05:59:14	-3.1	01/01/00 17:59:14	-1.0	13/01/00 20:59:14	-9.2
08/12/99 05:59:14	-0.1	20/12/99 08:59:14	-3.5	01/01/00 20:59:14	-1.0	13/01/00 23:59:14	-10.2
08/12/99 08:59:14	0.7	20/12/99 11:59:14	-2.2	01/01/00 23:59:14	-1.0	14/01/00 02:59:14	-10.2
08/12/99 11:59:14	3.5	20/12/99 14:59:14	-2.2	02/01/00 02:59:14	-0.1	14/01/00 05:59:14	-10.7
08/12/99 14:59:14	3.9	20/12/99 17:59:14	-2.7	02/01/00 08:59:14	-2.2	14/01/00 08:59:14	-10.2
08/12/99 17:59:14	-1.5	20/12/99 20:59:14	-2.7	02/01/00 11:59:14	-0.6	14/01/00 11:59:14	-6.7
08/12/99 20:59:14	-0.6	20/12/99 23:59:14	-2.7	02/01/00 14:59:14	-0.3	14/01/00 14:59:14	-6.3
08/12/99 23:59:14	-1.8	21/12/99 02:59:14	-2.2	02/01/00 17:59:14	-0.6	14/01/00 17:59:14	-8.7
09/12/99 02:59:14	-1.0	21/12/99 05:59:14	-2.2	02/01/00 20:59:14	-0.6	14/01/00 20:59:14	-8.2
09/12/99 05:59:14	-1.4	21/12/99 08:59:14	-2.2	02/01/00 23:59:14	-0.6	14/01/00 23:59:14	-10.2
09/12/99 08:59:14	-1.8	21/12/99 11:59:14	-1.0	03/01/00 02:59:14	-0.6	15/01/00 02:59:14	-9.2
09/12/99 11:59:14	0.3	21/12/99 14:59:14	-1.4	03/01/00 05:59:14	-0.6	15/01/00 05:59:14	-9.2
09/12/99 14:59:14	0.7	21/12/99 17:59:14	-2.2	03/01/00 08:59:14	-0.6	15/01/00 08:59:14	-8.7
09/12/99 17:59:14	-0.6	21/12/99 20:59:14	-4.0	03/01/00 11:59:14	-0.3	15/01/00 11:59:14	-6.3
09/12/99 20:59:14	-0.6	21/12/99 23:59:14	-5.3	03/01/00 14:59:14	-0.6	15/01/00 14:59:14	-4.9
09/12/99 23:59:14	-1.8	22/12/99 02:59:14	-8.2	03/01/00 17:59:14	-1.0	15/01/00 17:59:14	-6.3
10/12/99 02:59:14	-1.8	22/12/99 05:59:14	-10.7	03/01/00 20:59:14	-0.6	15/01/00 20:59:14	-6.3
10/12/99 05:59:14	-2.7	22/12/99 08:59:14	-10.7	03/01/00 23:59:14	-0.6	15/01/00 23:59:14	-7.7
10/12/99 08:59:14	-2.7	22/12/99 11:59:14	-7.2	04/01/00 02:59:14	-0.6	15/01/00 02:59:14	-8.2
10/12/99 11:59:14	-0.1	22/12/99 14:59:14	-5.8	04/01/00 05:59:14	-0.6	15/01/00 05:59:14	-9.2
10/12/99 14:59:14	-0.1	22/12/99 17:59:14	-7.7	04/01/00 08:59:14	-0.6	15/01/00 08:59:14	-8.7
10/12/99 17:59:14	-0.1	22/12/99 20:59:14	-9.7	04/01/00 11:59:14	-0.1	15/01/00 11:59:14	-4.9
10/12/99 20:59:14	0.3	22/12/99 23:59:14	-11.2	04/01/00 14:59:14	-0.1	15/01/00 14:59:14	-6.3
10/12/99 23:59:14	0.7	23/12/99 02:59:14	-12.9	04/01/00 17:59:14	-0.6	15/01/00 17:59:14	-6.3
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11/12/99 05:59:14	0.7	23/12/99 08:59:14	-14.0	04/01/00 23:59:14	-0.2	16/01/00 05:59:14	-5.8
11/12/99 08:59:14	1.1	23/12/99 11:59:14	-9.2	04/01/01 00:59:14	-0.1	16/01/01 00:59:14	-3.1
11/12/99 11:59:14	1.9	23/12/99 14:59:14	-7.2	04/01/01 03:59:14	-0.1	16/01/01 03:59:14	-2.7
11/12/99 14:59:14	1.1	23/12/99 17:59:14	-8.7	04/01/01 06:59:14	-0.6	16/01/01 06:59:14	-3.1
11/12/99 17:59:14	-0.1	23/12/99 20:59:14	-4.4	04/01/01 09:59:14	-0.1	16/01/01 09:59:14	-3.1
11/12/99 20:59:14	1.5	24/12/99 02:59:14	-5.8	04/01/01 12:59:14	-0.1	16/01/01 12:59:14	-3.1
12/12/99 02:59:14	1.5	24/12/99 05:59:14	-4.9	04/01/01 15:59:14	-0.1	16/01/01 15:59:14	-3.1
12/12/99 05:59:14	1.5	24/12/99 08:59:14	-4.0	04/01/01 18:59:14	-0.6	16/01/01 18:59:14	-3.1
12/12/99 08:59:14	1.5	24/12/99 11:59:14	-4.9	04/01/01 21:59:14	-0.6	16/01/01 21:59:14	-3.1
12/12/99 11:59:14	5.0	24/12/99 14:59:14	-6.3	05/01/01 00:23:59:14	-0.6	16/01/01 00:23:59:14	-1.0
12/12/99 14:59:14	5.0	24/12/99 17:59:14	-8.2	06/01/01 02:59:14	-1.4	16/01/01 02:59:14	-1.4
12/12/99 17:59:14	4.3	24/12/99 20:59:14	-8.2	06/01/01 05:59:14	-3.1	16/01/01 05:59:14	-1.5
12/12/99 20:59:14	3.9	25/12/99 02:59:14	-9.2	06/01/01 08:59:14	-3.1	16/01/01 08:59:14	1.1
13/12/99 02:59:14	3.1	25/12/99 05:59:14	-7.7	06/01/01 11:59:14	-1.8	16/01/01 11:59:14	2.3
13/12/99 05:59:14	2.7	25/12/99 08:59:14	-6.7	06/01/01 14:59:14	-1.4	16/01/01 14:59:14	1.9
13/12/99 08:59:14	2.7	25/12/99 11:59:14	-5.8	06/01/01 17:59:14	-0.6	16/01/01 17:59:14	-0.6
13/12/99 11:59:14	2.3	25/12/99 14:59:14	-5.8	06/01/01 20:59:14	-2.2	16/01/01 20:59:14	-0.6
13/12/99 14:59:14	1.9	25/12/99 17:59:14	-4.9	07/01/01 00:23:59:14	-1.4	16/01/01 02:59:14	-0.1
13/12/99 17:59:14	0.7	25/12/99 20:59:14	-4.4	07/01/01 03:59:14	-1.4	16/01/01 03:59:14	-0.6
13/12/99 20:59:14	-0.1	26/12/99 02:59:14	-3.1	07/01/01 06:59:14	-1.4	16/01/01 06:59:14	-1.0
14/12/99 02:59:14	-0.6	26/12/99 05:59:14	-1.4	07/01/01 09:59:14	-1.0	16/01/01 09:59:14	-0.1
14/12/99 05:59:14	-1.0	26/12/99 08:59:14	-1.8	07/01/01 12:59:14	-0.3	16/01/01 12:59:14	-0.6
14/12/99 08:59:14	-0.1	26/12/99 11:59:14	-0.6	07/01/01 15:59:14	-0.1	16/01/01 15:59:14	-0.6
14/12/99 11:59:14	-0.1	26/12/99 14:59:14	-0.1	07/01/01 18:59:14	-0.6	16/01/01 18:59:14	-0.6
14/12/99 14:59:14	-0.1	26/12/99 17:59:14	1.9	07/01/01 20:59:14	-0.6	16/01/01 20:59:14	-1.0
14/12/99 17:59:14	-0.1	26/12/99 20:59:14	0.3	07/01/01 23:59:14	-1.0	16/01/01 23:59:14	-3.1
14/12/99 20:59:14	-0.1	26/12/99 23:59:14	-0.1	08/01/01 00:23:59:14	-1.8	20/01/01 00:23:59:14	-2.7
14/12/99 23:59:14	-0.1	27/12/99 02:59:14	-0.1	08/01/01 03:59:14	-2.2	20/01/01 03:59:14	-1.8
15/12/99 02:59:14	-0.1	27/12/99 05:59:14	0.3	08/01/01 06:59:14	-1.8	20/01/01 06:59:14	-0.1
15/12/99 05:59:14	-0.1	27/12/99 08:59:14	0.7	08/01/01 09:59:14	-1.0	20/01/01 09:59:14	-0.6
15/12/99 08:59:14	-0.6	27/12/99 11:59:14	1.1	08/01/01 12:59:14	-1.0	20/01/01 12:59:14	-0.6

RANNA 01, Messprotokoll (Datum / °C)

20/01/00 20:59:14	-0.1	01/02/00 23:59:14	-1.0	14/02/00 02:59:14	-0.1	26/02/00 05:59:14	-1.0
20/01/00 23:59:14	-0.1	02/02/00 02:59:14	-1.0	14/02/00 05:59:14	0.3	26/02/00 08:59:14	-0.1
21/01/00 00:59:14	-0.1	02/02/00 08:59:14	-1.0	14/02/00 11:59:14	0.7	26/02/00 11:59:14	1.5
21/01/00 08:59:14	-0.1	02/02/00 11:59:14	1.9	14/02/00 14:59:14	1.5	26/02/00 17:59:14	0.7
21/01/00 11:59:14	0.3	02/02/00 14:59:14	3.9	14/02/00 17:59:14	-1.0	26/02/00 20:59:14	-1.4
21/01/00 14:59:14	0.3	02/02/00 17:59:14	1.5	14/02/00 20:59:14	-1.4	26/02/00 23:59:14	-1.8
21/01/00 17:59:14	-1.8	02/02/00 20:59:14	1.9	14/02/00 23:59:14	-1.4	27/02/00 02:59:14	-2.7
21/01/00 20:59:14	-2.7	02/02/00 23:59:14	3.1	15/02/00 02:59:14	-1.0	27/02/00 08:59:14	-3.1
21/01/00 23:59:14	-3.1	03/02/00 02:59:14	2.3	15/02/00 08:59:14	-0.6	27/02/00 11:59:14	-2.2
22/01/00 02:59:14	-3.5	03/02/00 05:59:14	1.1	15/02/00 11:59:14	-0.1	27/02/00 14:59:14	3.1
22/01/00 08:59:14	-3.1	03/02/00 08:59:14	1.1	15/02/00 14:59:14	1.9	27/02/00 17:59:14	0.7
22/01/00 11:59:14	-2.2	03/02/00 11:59:14	2.3	15/02/00 17:59:14	1.1	27/02/00 20:59:14	-1.4
22/01/00 14:59:14	-1.8	03/02/00 17:59:14	1.1	15/02/00 20:59:14	1.5	27/02/00 23:59:14	-1.8
22/01/00 20:59:14	-2.2	03/02/00 23:59:14	0.7	15/02/00 23:59:14	1.5	28/02/00 02:59:14	-2.7
23/01/00 02:59:14	-1.8	04/02/00 02:59:14	-0.1	16/02/00 02:59:14	0.7	28/02/00 08:59:14	-3.1
23/01/00 05:59:14	-1.0	04/02/00 08:59:14	0.7	16/02/00 08:59:14	2.7	28/02/00 11:59:14	-1.8
23/01/00 08:59:14	-0.1	04/02/00 11:59:14	2.7	16/02/00 14:59:14	2.7	28/02/00 14:59:14	5.4
23/01/00 11:59:14	1.5	04/02/00 14:59:14	3.5	16/02/00 17:59:14	-0.1	28/02/00 17:59:14	1.5
23/01/00 14:59:14	-0.6	04/02/00 17:59:14	0.1	16/02/00 20:59:14	-0.6	28/02/00 23:59:14	-1.0
23/01/00 17:59:14	-4.4	04/02/00 20:59:14	-1.0	16/02/00 23:59:14	-0.5	29/02/00 02:59:14	-1.0
23/01/00 20:59:14	-8.2	04/02/00 23:59:14	-0.1	17/02/00 02:59:14	-1.0	29/02/00 05:59:14	-1.4
23/01/00 23:59:14	-11.2	05/02/00 02:59:14	0.3	17/02/00 05:59:14	-1.0	29/02/00 08:59:14	0.7
24/01/00 02:59:14	-14.0	05/02/00 05:59:14	1.1	17/02/00 08:59:14	-0.6	29/02/00 11:59:14	4.6
24/01/00 05:59:14	-15.8	05/02/00 08:59:14	1.5	17/02/00 11:59:14	-0.1	29/02/00 14:59:14	7.3
24/01/00 08:59:14	-17.0	05/02/00 11:59:14	2.3	17/02/00 14:59:14	0.3	29/02/00 17:59:14	4.6
24/01/00 11:59:14	-10.7	05/02/00 14:59:14	2.7	17/02/00 17:59:14	-1.0	29/02/00 20:59:14	2.7
24/01/00 14:59:14	-8.2	05/02/00 17:59:14	1.9	17/02/00 20:59:14	-0.6	29/02/00 23:59:14	1.5
24/01/00 20:59:14	-9.7	05/02/00 20:59:14	0.7	17/02/00 23:59:14	-1.0	01/03/00 02:59:14	0.3
24/01/00 23:59:14	-14.6	05/02/00 23:59:14	-0.6	18/02/00 02:59:14	-2.7	01/03/00 05:59:14	0.3
24/01/00 23:59:14	-16.4	06/02/00 02:59:14	-0.6	18/02/00 05:59:14	-2.7	01/03/00 08:59:14	1.9
25/01/00 02:59:14	-17.0	06/02/00 05:59:14	-1.0	18/02/00 08:59:14	-1.4	01/03/00 11:59:14	5.8
25/01/00 05:59:14	-17.6	06/02/00 08:59:14	-0.1	18/02/00 11:59:14	1.1	01/03/00 14:59:14	5.8
25/01/00 08:59:14	-18.9	06/02/00 11:59:14	3.9	18/02/00 14:59:14	1.1	01/03/00 17:59:14	4.3
25/01/00 11:59:14	-12.3	06/02/00 14:59:14	5.0	18/02/00 17:59:14	-0.1	01/03/00 20:59:14	3.1
25/01/00 14:59:14	-10.2	06/02/00 17:59:14	1.9	18/02/00 20:59:14	-0.6	01/03/00 23:59:14	2.7
25/01/00 17:59:14	-14.0	06/02/00 20:59:14	0.7	18/02/00 23:59:14	-0.6	02/03/00 02:59:14	1.5
25/01/00 20:59:14	-16.4	06/02/00 23:59:14	-0.1	19/02/00 02:59:14	-0.1	02/03/00 05:59:14	1.5
25/01/00 23:59:14	-17.6	07/02/00 02:59:14	-1.0	19/02/00 05:59:14	-0.6	02/03/00 08:59:14	1.5
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26/01/00 05:59:14	-18.9	07/02/00 08:59:14	-0.1	19/02/00 11:59:14	1.1	02/03/00 14:59:14	3.9
26/01/00 08:59:14	-16.4	07/02/00 11:59:14	3.9	19/02/00 14:59:14	1.9	02/03/00 17:59:14	-0.1
26/01/00 11:59:14	-10.2	07/02/00 14:59:14	4.6	19/02/00 17:59:14	0.7	02/03/00 20:59:14	-1.4
26/01/00 14:59:14	-9.2	07/02/00 17:59:14	2.3	19/02/00 20:59:14	0.7	02/03/00 23:59:14	-2.2
26/01/00 17:59:14	-11.8	07/02/00 20:59:14	1.5	19/02/00 23:59:14	0.7	03/03/00 02:59:14	-1.8
26/01/00 20:59:14	-14.0	07/02/00 23:59:14	0.7	20/02/00 02:59:14	0.7	03/03/00 05:59:14	-1.0
26/01/00 23:59:14	-12.9	08/02/00 02:59:14	1.9	20/02/00 05:59:14	0.7	03/03/00 08:59:14	-0.1
27/01/00 02:59:14	-10.2	08/02/00 05:59:14	1.9	20/02/00 08:59:14	0.3	03/03/00 11:59:14	5.4
27/01/00 05:59:14	-8.7	08/02/00 08:59:14	2.7	20/02/00 11:59:14	1.5	03/03/00 14:59:14	8.0
27/01/00 08:59:14	-7.7	08/02/00 11:59:14	5.8	20/02/00 14:59:14	1.9	03/03/00 17:59:14	4.6
27/01/00 11:59:14	-6.3	08/02/00 14:59:14	5.8	20/02/00 17:59:14	0.7	03/03/00 20:59:14	3.9
27/01/00 14:59:14	-6.7	08/02/00 17:59:14	4.3	20/02/00 20:59:14	-0.1	03/03/00 23:59:14	3.9
27/01/00 17:59:14	-9.7	08/02/00 20:59:14	8.0	21/02/00 02:59:14	-1.0	04/03/00 02:59:14	4.3
27/01/00 20:59:14	-12.3	08/02/00 23:59:14	7.3	21/02/00 05:59:14	-1.4	04/03/00 05:59:14	4.3
27/01/00 23:59:14	-13.4	09/02/00 02:59:14	5.4	21/02/00 08:59:14	-1.8	04/03/00 08:59:14	1.9
28/01/00 02:59:14	-14.6	09/02/00 05:59:14	2.7	21/02/00 11:59:14	-0.1	04/03/00 11:59:14	1.5
28/01/00 05:59:14	-15.8	09/02/00 08:59:14	2.7	21/02/00 14:59:14	-0.1	04/03/00 14:59:14	1.5
28/01/00 08:59:14	-14.6	09/02/00 11:59:14	1.5	21/02/00 17:59:14	0.3	04/03/00 20:59:14	-0.6
28/01/00 11:59:14	-7.2	09/02/00 14:59:14	1.1	21/02/00 20:59:14	-2.2	04/03/00 23:59:14	-1.0
28/01/00 14:59:14	-5.3	09/02/00 17:59:14	1.1	21/02/00 23:59:14	-2.2	05/03/00 02:59:14	-1.4
28/01/00 17:59:14	-6.3	09/02/00 20:59:14	0.7	22/02/00 02:59:14	-2.2	05/03/00 05:59:14	-2.2
28/01/00 20:59:14	-8.2	09/02/00 23:59:14	1.1	22/02/00 05:59:14	-3.5	05/03/00 08:59:14	-1.4
28/01/00 23:59:14	-7.7	10/02/00 02:59:14	1.1	22/02/00 08:59:14	-2.7	05/03/00 11:59:14	0.3
29/01/00 02:59:14	-5.8	10/02/00 05:59:14	1.1	22/02/00 11:59:14	-0.6	05/03/00 14:59:14	-0.6
29/01/00 05:59:14	-4.9	10/02/00 11:59:14	3.1	22/02/00 14:59:14	0.7	05/03/00 17:59:14	-1.0
29/01/00 08:59:14	-3.1	10/02/00 14:59:14	2.7	22/02/00 17:59:14	-0.6	05/03/00 20:59:14	-1.0
29/01/00 11:59:14	1.1	10/02/00 17:59:14	0.3	22/02/00 20:59:14	-1.0	05/03/00 23:59:14	-1.4
29/01/00 14:59:14	-0.1	10/02/00 20:59:14	-1.0	22/02/00 23:59:14	-1.0	05/03/00 02:59:14	-2.7
29/01/00 17:59:14	0.3	10/02/00 23:59:14	-1.8	23/02/00 02:59:14	-1.8	05/03/00 05:59:14	-4.9
29/01/00 20:59:14	1.1	11/02/00 02:59:14	-1.4	23/02/00 05:59:14	-1.4	05/03/00 08:59:14	-3.1
30/01/00 02:59:14	2.3	11/02/00 05:59:14	-0.1	23/02/00 08:59:14	-0.1	05/03/00 11:59:14	1.1
30/01/00 05:59:14	2.7	11/02/00 11:59:14	1.5	23/02/00 11:59:14	2.3	06/03/00 14:59:14	1.9
30/01/00 08:59:14	1.5	11/02/00 14:59:14	1.9	23/02/00 14:59:14	3.1	06/03/00 17:59:14	-0.6
30/01/00 11:59:14	1.5	11/02/00 17:59:14	1.5	23/02/00 17:59:14	1.1	06/03/00 20:59:14	-1.8
30/01/00 14:59:14	1.9	11/02/00 20:59:14	1.1	23/02/00 20:59:14	-0.6	06/03/00 23:59:14	-2.7
30/01/00 17:59:14	1.1	11/02/00 23:59:14	0.1	23/02/00 23:59:14	-0.6	07/03/00 02:59:14	-3.1
30/01/00 20:59:14	0.7	11/02/00 02:59:14	0.3	24/02/00 02:59:14	-1.0	07/03/00 05:59:14	-4.0
31/01/00 02:59:14	3.1	12/02/00 05:59:14	-1.0	24/02/00 05:59:14	-0.6	07/03/00 08:59:14	-1.8
31/01/00 05:59:14	3.1	12/02/00 08:59:14	-0.6	24/02/00 11:59:14	2.3	07/03/00 14:59:14	5.8
31/01/00 08:59:14	2.7	12/02/00 11:59:14	1.5	24/02/00 14:59:14	3.9	07/03/00 17:59:14	3.9
31/01/00 11:59:14	5.4	12/02/00 14:59:14	1.9	24/02/00 17:59:14	1.5	07/03/00 20:59:14	1.9
31/01/00 14:59:14	5.0	12/02/00 17:59:14	1.1	24/02/00 20:59:14	1.1	07/03/00 23:59:14	2.3
31/01/00 17:59:14	1.9	12/02/00 20:59:14	1.1	24/02/00 23:59:14	1.1	08/03/00 02:59:14	4.3
31/01/00 20:59:14	3.1	12/02/00 23:59:14	-1.0	25/02/00 02:59:14	1.1	08/03/00 05:59:14	3.5
31/01/00 23:59:14	1.5	13/02/00 02:59:14	-0.1	25/02/00 05:59:14	1.5	08/03/00 08:59:14	3.9
01/02/00 02:59:14	1.5	13/02/00 05:59:14	-0.1	25/02/00 08:59:14	3.5	08/03/00 11:59:14	5.0
01/02/00 05:59:14	-0.1	13/02/00 08:59:14	0.7	25/02/00 11:59:14	6.2	08/03/00 14:59:14	5.8
01/02/00 08:59:14	-0.6	13/02/00 11:59:14	2.7	25/02/00 14:59:14	6.2	08/03/00 17:59:14	5.8
01/02/00 11:59:14	3.1	13/02/00 14:59:14	3.9	25/02/00 17:59:14	4.6	08/03/00 20:59:14	5.4
01/02/00 14:59:14	2.7	13/02/00 20:59:14	2.3	25/02/00 20:59:14	1.5	08/03/00 23:59:14	5.8
01/02/00 17:59:14	0.7	13/02/00 23:59:14	-0.1	25/02/00 23:59:14	-0.1	09/03/00 02:59:14	6.9
01/02/00 20:59:14	-0.6	13/02/00 02:59:14	-1.0	26/02/00 02:59:14	-0.6	09/03/00 05:59:14	7.3

RANNA 01, Messprotokoll (Datum / °C)

09/03/00 08:59:14	7.7	21/03/00 11:59:14	9.1	02/04/00 14:59:14	9.5	14/04/00 17:59:14	12.4
09/03/00 11:59:14	9.9	21/03/00 14:59:14	10.2	02/04/00 20:59:14	2.7	14/04/00 23:59:14	5.4
09/03/00 14:59:14	9.5	21/03/00 17:59:14	5.8	02/04/00 23:59:14	1.1	15/04/00 02:59:14	3.5
09/03/00 17:59:14	7.7	21/03/00 20:59:14	1.9	03/04/00 02:59:14	-0.1	15/04/00 05:59:14	2.3
09/03/00 20:59:14	6.9	22/03/00 02:59:14	-1.0	03/04/00 05:59:14	-0.1	15/04/00 08:59:14	12.8
09/03/00 23:59:14	8.0	22/03/00 05:59:14	-1.4	03/04/00 08:59:14	7.3	15/04/00 11:59:14	22.3
10/03/00 02:59:14	6.2	22/03/00 08:59:14	1.5	03/04/00 11:59:14	13.8	15/04/00 14:59:14	18.8
10/03/00 05:59:14	3.9	22/03/00 11:59:14	10.6	03/04/00 14:59:14	13.8	15/04/00 17:59:14	12.0
10/03/00 08:59:14	5.0	22/03/00 14:59:14	10.6	03/04/00 17:59:14	10.2	15/04/00 20:59:14	8.4
10/03/00 11:59:14	6.9	22/03/00 17:59:14	6.5	03/04/00 20:59:14	6.5	15/04/00 23:59:14	6.9
10/03/00 14:59:14	7.3	22/03/00 20:59:14	3.1	03/04/00 23:59:14	5.0	16/04/00 02:59:14	5.8
10/03/00 17:59:14	4.6	22/03/00 23:59:14	1.1	04/04/00 02:59:14	5.8	16/04/00 05:59:14	3.1
10/03/00 20:59:14	3.1	23/03/00 02:59:14	-0.1	04/04/00 05:59:14	5.8	16/04/00 08:59:14	11.7
10/03/00 23:59:14	3.1	23/03/00 05:59:14	-1.0	04/04/00 08:59:14	11.3	16/04/00 11:59:14	20.2
11/03/00 02:59:14	3.5	23/03/00 08:59:14	2.3	04/04/00 11:59:14	17.7	16/04/00 14:59:14	16.3
11/03/00 05:59:14	3.9	23/03/00 11:59:14	11.3	04/04/00 14:59:14	17.0	16/04/00 17:59:14	13.1
11/03/00 11:59:14	6.9	23/03/00 14:59:14	13.5	04/04/00 17:59:14	12.4	16/04/00 20:59:14	7.3
11/03/00 14:59:14	7.3	23/03/00 17:59:14	8.8	04/04/00 20:59:14	8.0	16/04/00 23:59:14	4.6
11/03/00 17:59:14	6.5	23/03/00 20:59:14	5.0	04/04/00 23:59:14	5.8	17/04/00 02:59:14	3.5
11/03/00 20:59:14	5.0	23/03/00 23:59:14	3.1	05/04/00 02:59:14	4.3	17/04/00 05:59:14	3.5
11/03/00 23:59:14	3.9	24/03/00 02:59:14	2.7	05/04/00 05:59:14	3.1	17/04/00 08:59:14	10.6
12/03/00 02:59:14	4.3	24/03/00 05:59:14	3.9	05/04/00 08:59:14	6.5	17/04/00 11:59:14	22.0
12/03/00 05:59:14	3.9	24/03/00 08:59:14	6.9	05/04/00 11:59:14	11.0	17/04/00 14:59:14	18.4
12/03/00 08:59:14	5.0	24/03/00 11:59:14	14.5	05/04/00 14:59:14	13.1	17/04/00 17:59:14	14.9
12/03/00 11:59:14	7.7	24/03/00 14:59:14	15.6	05/04/00 17:59:14	7.7	17/04/00 20:59:14	9.9
12/03/00 14:59:14	8.0	24/03/00 17:59:14	11.0	05/04/00 20:59:14	7.3	17/04/00 23:59:14	8.8
12/03/00 17:59:14	5.0	24/03/00 20:59:14	8.8	05/04/00 23:59:14	6.2	18/04/00 02:59:14	8.8
12/03/00 20:59:14	0.7	24/03/00 23:59:14	8.0	06/04/00 02:59:14	4.3	18/04/00 05:59:14	7.7
12/03/00 23:59:14	1.1	25/03/00 02:59:14	6.2	06/04/00 05:59:14	1.9	18/04/00 08:59:14	8.4
13/03/00 02:59:14	1.5	25/03/00 05:59:14	6.2	06/04/00 08:59:14	2.3	18/04/00 11:59:14	10.2
13/03/00 05:59:14	1.5	25/03/00 08:59:14	8.0	06/04/00 11:59:14	4.6	18/04/00 14:59:14	12.0
13/03/00 08:59:14	3.5	25/03/00 11:59:14	8.4	06/04/00 14:59:14	4.6	18/04/00 17:59:14	10.2
13/03/00 11:59:14	7.3	25/03/00 14:59:14	9.9	06/04/00 17:59:14	4.6	18/04/00 20:59:14	7.7
13/03/00 14:59:14	6.2	25/03/00 17:59:14	7.7	06/04/00 20:59:14	1.5	18/04/00 23:59:14	6.5
13/03/00 17:59:14	3.9	25/03/00 20:59:14	4.6	06/04/00 23:59:14	-1.4	19/04/00 02:59:14	7.7
13/03/00 20:59:14	0.3	25/03/00 23:59:14	2.7	07/04/00 02:59:14	-1.0	19/04/00 08:59:14	8.0
13/03/00 23:59:14	-1.0	26/03/00 02:59:14	1.1	07/04/00 05:59:14	-0.1	19/04/00 11:59:14	9.9
14/03/00 02:59:14	-1.4	26/03/00 05:59:14	-0.1	07/04/00 08:59:14	2.3	19/04/00 14:59:14	10.6
14/03/00 05:59:14	1.5	26/03/00 08:59:14	4.6	07/04/00 11:59:14	6.2	19/04/00 17:59:14	10.2
14/03/00 08:59:14	1.5	26/03/00 11:59:14	10.6	07/04/00 14:59:14	8.4	19/04/00 20:59:14	7.3
14/03/00 11:59:14	3.1	26/03/00 14:59:14	12.8	07/04/00 17:59:14	6.5	19/04/00 23:59:14	5.0
14/03/00 14:59:14	5.0	26/03/00 20:59:14	5.8	07/04/00 20:59:14	3.5	20/04/00 02:59:14	5.0
14/03/00 20:59:14	5.8	26/03/00 23:59:14	4.6	08/04/00 02:59:14	3.1	20/04/00 05:59:14	5.4
14/03/00 23:59:14	6.5	27/03/00 02:59:14	4.3	08/04/00 05:59:14	1.1	20/04/00 08:59:14	12.0
15/03/00 02:59:14	3.5	27/03/00 05:59:14	3.9	08/04/00 08:59:14	5.8	20/04/00 11:59:14	20.2
15/03/00 05:59:14	1.5	27/03/00 08:59:14	4.6	08/04/00 11:59:14	8.0	20/04/00 14:59:14	17.4
15/03/00 08:59:14	1.1	27/03/00 11:59:14	6.9	08/04/00 14:59:14	9.9	20/04/00 17:59:14	14.2
15/03/00 11:59:14	2.3	27/03/00 14:59:14	5.8	08/04/00 17:59:14	7.3	20/04/00 20:59:14	10.2
15/03/00 14:59:14	2.7	27/03/00 17:59:14	5.4	08/04/00 20:59:14	2.3	20/04/00 23:59:14	8.4
15/03/00 17:59:14	1.9	27/03/00 20:59:14	4.3	08/04/00 23:59:14	0.7	21/04/00 02:59:14	6.9
15/03/00 20:59:14	1.1	28/03/00 02:59:14	4.3	09/04/00 02:59:14	-0.6	21/04/00 05:59:14	6.2
15/03/00 23:59:14	-0.1	28/03/00 05:59:14	3.9	09/04/00 05:59:14	-1.0	21/04/00 08:59:14	15.6
16/03/00 02:59:14	0.3	28/03/00 08:59:14	3.1	09/04/00 08:59:14	7.3	21/04/00 11:59:14	24.5
16/03/00 05:59:14	-0.1	28/03/00 11:59:14	2.7	09/04/00 11:59:14	12.0	21/04/00 14:59:14	20.6
16/03/00 08:59:14	1.1	28/03/00 14:59:14	3.9	09/04/00 14:59:14	11.3	21/04/00 17:59:14	16.0
16/03/00 11:59:14	2.3	28/03/00 17:59:14	9.9	09/04/00 17:59:14	9.9	21/04/00 20:59:14	11.3
16/03/00 14:59:14	3.9	28/03/00 20:59:14	4.6	09/04/00 20:59:14	5.4	21/04/00 23:59:14	8.8
16/03/00 20:59:14	2.3	28/03/00 23:59:14	3.1	09/04/00 23:59:14	3.1	22/04/00 02:59:14	6.9
16/03/00 23:59:14	0.3	29/03/00 02:59:14	1.1	10/04/00 02:59:14	1.1	22/04/00 05:59:14	6.2
17/03/00 02:59:14	-0.1	29/03/00 05:59:14	1.1	10/04/00 05:59:14	0.7	22/04/00 08:59:14	19.1
17/03/00 05:59:14	-0.1	29/03/00 08:59:14	5.8	10/04/00 08:59:14	8.0	22/04/00 11:59:14	27.7
17/03/00 08:59:14	0.3	29/03/00 11:59:14	10.6	10/04/00 11:59:14	12.8	22/04/00 14:59:14	16.3
17/03/00 11:59:14	5.0	29/03/00 14:59:14	12.0	10/04/00 14:59:14	11.0	22/04/00 17:59:14	11.7
17/03/00 14:59:14	5.0	29/03/00 17:59:14	10.2	10/04/00 20:59:14	6.2	22/04/00 23:59:14	9.1
17/03/00 17:59:14	1.9	29/03/00 20:59:14	8.8	10/04/00 23:59:14	3.9	23/04/00 02:59:14	8.0
17/03/00 23:59:14	-1.0	29/03/03 02:59:14	1.9	11/04/00 02:59:14	1.9	23/04/00 05:59:14	7.7
18/03/00 02:59:14	-1.8	30/03/00 05:59:14	1.9	11/04/00 05:59:14	10.2	23/04/00 08:59:14	22.0
18/03/00 05:59:14	-1.8	30/03/00 08:59:14	1.1	11/04/00 11:59:14	14.9	23/04/00 11:59:14	28.1
18/03/00 08:59:14	-0.1	30/03/00 11:59:14	1.9	11/04/00 14:59:14	14.5	23/04/00 14:59:14	23.4
18/03/00 11:59:14	3.1	30/03/00 14:59:14	1.5	11/04/00 17:59:14	11.7	23/04/00 17:59:14	18.1
18/03/00 14:59:14	5.4	30/03/00 17:59:14	0.7	11/04/00 20:59:14	7.3	23/04/00 20:59:14	12.8
18/03/00 17:59:14	1.9	30/03/00 20:59:14	0.7	11/04/00 23:59:14	5.0	23/04/00 23:59:14	11.0
18/03/00 20:59:14	-0.6	30/03/03 02:59:14	0.1	12/04/00 02:59:14	2.7	24/04/00 02:59:14	9.5
18/03/00 23:59:14	-1.8	31/03/00 02:59:14	0.3	12/04/00 05:59:14	1.1	24/04/00 05:59:14	9.5
18/03/00 02:59:14	-2.2	31/03/00 05:59:14	0.3	12/04/00 08:59:14	8.4	24/04/00 08:59:14	12.4
18/03/00 05:59:14	-2.7	31/03/00 08:59:14	1.1	12/04/00 11:59:14	8.0	24/04/00 11:59:14	11.3
18/03/00 08:59:14	-0.1	31/03/00 11:59:14	3.1	12/04/00 14:59:14	5.8	24/04/00 14:59:14	9.9
18/03/00 11:59:14	2.7	31/03/00 14:59:14	4.6	12/04/00 17:59:14	4.3	24/04/00 20:59:14	9.1
18/03/00 17:59:14	3.5	31/03/00 17:59:14	3.1	12/04/00 20:59:14	3.1	24/04/00 23:59:14	8.8
18/03/00 20:59:14	0.7	31/03/00 23:59:14	-0.6	12/04/00 23:59:14	1.9	25/04/00 02:59:14	8.8
18/03/00 23:59:14	-0.1	01/04/00 02:59:14	-1.0	13/04/00 02:59:14	1.1	25/04/00 05:59:14	9.5
18/03/00 02:59:14	-0.1	01/04/00 05:59:14	-1.4	13/04/00 08:59:14	8.4	25/04/00 11:59:14	12.0
18/03/00 05:59:14	-1.0	01/04/00 08:59:14	2.3	13/04/00 11:59:14	9.1	25/04/00 14:59:14	13.8
18/03/00 08:59:14	-1.0	01/04/00 11:59:14	8.8	13/04/00 14:59:14	9.5	25/04/00 17:59:14	11.3
18/03/00 11:59:14	3.9	01/04/00 14:59:14	9.1	13/04/00 17:59:14	8.4	25/04/00 20:59:14	9.0
18/03/00 14:59:14	6.2	01/04/00 17:59:14	6.2	13/04/00 20:59:14	5.8	25/04/00 23:59:14	6.5
18/03/00 17:59:14	3.9	01/04/00 20:59:14	3.5	13/04/00 23:59:14	5.8	26/04/00 02:59:14	5.4
18/03/00 20:59:14	1.5	01/04/00 23:59:14	2.3	14/04/00 02:59:14	5.4	26/04/00 05:59:14	5.0
18/03/00 23:59:14	1.9	02/04/00 02:59:14	1.1	14/04/00 05:59:14	5.0	26/04/00 08:59:14	18.1
18/03/00 02:59:14	0.7	02/04/00 05:59:14	0.3	14/04/00 08:59:14	9.5	26/04/00 11:59:14	24.5
18/03/00 05:59:14	1.1	02/04/00 08:59:14	5.4	14/04/00 11:59:14	18.4	26/04/00 14:59:14	19.8
18/03/00 08:59:14	5.0	02/04/00 11:59:14	9.5	14/04/00 14:59:14	15.6	26/04/00 17:59:14	14.5

RANNA 01, Messprotokoll (Datum / °C)

26/04/00 20:59:14	10,6	08/05/00 23:59:14	13,5	21/05/00 02:59:14	2,7
26/04/00 23:59:14	8,8	09/05/00 02:59:14	13,1	21/05/00 05:59:14	2,7
27/04/00 02:59:14	7,7	09/05/00 05:59:14	13,1	21/05/00 08:59:14	16,0
27/04/00 05:59:14	7,3	09/05/00 08:59:14	15,6	21/05/00 11:59:14	15,6
27/04/00 08:59:14	21,3	09/05/00 11:59:14	21,6	21/05/00 14:59:14	16,0
27/04/00 11:59:14	22,0	09/05/00 14:59:14	21,3	21/05/00 17:59:14	12,8
27/04/00 14:59:14	20,2	09/05/00 17:59:14	17,0	21/05/00 20:59:14	10,2
27/04/00 17:59:14	17,0	09/05/00 20:59:14	13,4	21/05/00 23:59:14	8,8
27/04/00 20:59:14	13,5	09/05/00 23:59:14	11,3	22/05/00 02:59:14	9,1
27/04/00 23:59:14	12,0	10/05/00 02:59:14	9,9	22/05/00 05:59:14	8,4
28/04/00 02:59:14	11,3	10/05/00 05:59:14	9,5	22/05/00 08:59:14	8,8
28/04/00 05:59:14	11,0	10/05/00 08:59:14	22,7	22/05/00 11:59:14	9,5
28/04/00 08:59:14	16,7	10/05/00 11:59:14	25,5	22/05/00 14:59:14	9,5
28/04/00 11:59:14	22,0	10/05/00 14:59:14	22,3	22/05/00 17:59:14	10,6
28/04/00 14:59:14	20,2	10/05/00 17:59:14	17,7	22/05/00 20:59:14	8,0
28/04/00 17:59:14	17,4	10/05/00 20:59:14	14,2	22/05/00 23:59:14	7,7
28/04/00 20:59:14	14,2	10/05/00 23:59:14	12,0	23/05/00 02:59:14	8,0
28/04/00 23:59:14	12,8	11/05/00 02:59:14	11,0	23/05/00 05:59:14	8,4
29/04/00 02:59:14	12,0	11/05/00 05:59:14	11,0	23/05/00 08:59:14	10,6
29/04/00 05:59:14	12,0	11/05/00 08:59:14	23,0	23/05/00 11:59:14	14,9
29/04/00 08:59:14	20,6	11/05/00 11:59:14	26,6	23/05/00 14:59:14	16,3
29/04/00 11:59:14	22,3	11/05/00 14:59:14	25,6	23/05/00 17:59:14	13,1
29/04/00 14:59:14	20,6	11/05/00 17:59:14	20,9	23/05/00 20:59:14	8,8
29/04/00 20:59:14	18,4	11/05/00 20:59:14	15,3	23/05/00 23:59:14	6,5
29/04/00 23:59:14	10,6	11/05/00 23:59:14	13,1	24/05/00 02:59:14	6,2
30/04/00 02:59:14	9,9	12/05/00 02:59:14	11,7	24/05/00 05:59:14	6,2
30/04/00 05:59:14	10,2	12/05/00 05:59:14	12,4	24/05/00 08:59:14	17,7
30/04/00 08:59:14	22,0	12/05/00 08:59:14	20,2	24/05/00 11:59:14	20,6
30/04/00 11:59:14	22,7	12/05/00 11:59:14	24,1	24/05/00 14:59:14	19,5
30/04/00 14:59:14	20,9	12/05/00 14:59:14	16,3	24/05/00 17:59:14	16,3
30/04/00 17:59:14	18,4	12/05/00 17:59:14	14,5	24/05/00 20:59:14	11,3
30/04/00 20:59:14	12,4	12/05/00 20:59:14	14,2	24/05/00 23:59:14	9,1
30/04/00 23:59:14	11,3	12/05/00 23:59:14	13,8	25/05/00 02:59:14	7,7
01/05/00 02:59:14	10,2	13/05/00 02:59:14	12,4	25/05/00 05:59:14	8,0
01/05/00 05:59:14	8,4	13/05/00 05:59:14	10,6	25/05/00 08:59:14	19,1
01/05/00 08:59:14	20,6	13/05/00 08:59:14	15,3	25/05/00 11:59:14	24,5
01/05/00 11:59:14	26,6	13/05/00 11:59:14	18,8	25/05/00 14:59:14	22,3
01/05/00 14:59:14	19,5	13/05/00 14:59:14	18,1	25/05/00 17:59:14	17,7
01/05/00 17:59:14	16,3	13/05/00 17:59:14	14,2	25/05/00 20:59:14	14,9
01/05/00 20:59:14	12,8	13/05/00 20:59:14	9,5	25/05/00 23:59:14	13,8
01/05/00 23:59:14	11,7	13/05/00 23:59:14	6,5	26/05/00 02:59:14	13,1
02/05/00 02:59:14	10,2	14/05/00 02:59:14	4,6	26/05/00 05:59:14	13,1
02/05/00 05:59:14	9,1	14/05/00 05:59:14	4,3	26/05/00 08:59:14	14,9
02/05/00 08:59:14	21,6	14/05/00 08:59:14	20,6	26/05/00 11:59:14	21,6
02/05/00 11:59:14	24,5	14/05/00 11:59:14	22,0	26/05/00 14:59:14	21,6
02/05/00 14:59:14	17,4	14/05/00 14:59:14	21,3	26/05/00 17:59:14	19,1
02/05/00 17:59:14	16,7	14/05/00 17:59:14	16,3	26/05/00 20:59:14	15,3
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RANNA 02, Messprotokoll (Datum / °C)

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RANNA 02, Messprotokoll (Datum / °C)

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28.08.99 11:00	9.9	09.09.99 11:00	9.9	21.09.99 11:00	10.2	03.10.99 11:00	9.1
28.08.99 14:00	9.9	09.09.99 14:00	10.2	21.09.99 14:00	10.2	03.10.99 14:00	9.1
28.08.99 17:00	9.9	09.09.99 17:00	10.2	21.09.99 17:00	10.2	03.10.99 17:00	8.8
28.08.99 20:00	9.9	09.09.99 20:00	10.2	21.09.99 20:00	10.6	03.10.99 20:00	8.8
28.08.99 23:00	9.9	09.09.99 23:00	10.6	21.09.99 23:00	9.9	03.10.99 23:00	8.8
29.08.99 02:00	9.9	10.09.99 02:00	10.6	22.09.99 02:00	10.2	04.10.99 02:00	8.0
29.08.99 05:00	9.9	10.09.99 05:00	10.2	22.09.99 05:00	9.5	04.10.99 05:00	8.0
29.08.99 08:00	9.9	10.09.99 08:00	10.2	22.09.99 08:00	10.2	04.10.99 08:00	8.0
29.08.99 11:00	9.9	10.09.99 11:00	10.2	22.09.99 11:00	9.9	04.10.99 11:00	8.4
29.08.99 14:00	9.9	10.09.99 14:00	10.2	22.09.99 14:00	10.2	04.10.99 14:00	8.8
29.08.99 17:00	9.9	10.09.99 17:00	10.2	22.09.99 17:00	10.2	04.10.99 17:00	8.8
29.08.99 20:00	9.9	10.09.99 20:00	10.2	22.09.99 20:00	10.2	04.10.99 20:00	7.7
29.08.99 23:00	9.9	10.09.99 23:00	10.6	22.09.99 23:00	10.6	04.10.99 23:00	7.3
30.08.99 02:00	9.9	11.09.99 02:00	10.2	23.09.99 02:00	10.6	05.10.99 02:00	7.3
30.08.99 05:00	9.9	11.09.99 05:00	9.9	23.09.99 05:00	9.9	05.10.99 05:00	7.7
30.08.99 08:00	9.9	11.09.99 08:00	10.2	23.09.99 08:00	9.9	05.10.99 08:00	7.7
30.08.99 11:00	9.9	11.09.99 11:00	10.2	23.09.99 11:00	9.9	05.10.99 11:00	8.0
30.08.99 14:00	9.9	11.09.99 14:00	10.2	23.09.99 14:00	10.2	05.10.99 14:00	8.0
30.08.99 17:00	9.9	11.09.99 17:00	10.2	23.09.99 17:00	10.2	05.10.99 17:00	8.0
30.08.99 20:00	9.9	11.09.99 20:00	10.2	23.09.99 20:00	10.2	05.10.99 20:00	6.5
30.08.99 23:00	9.9	11.09.99 23:00	10.6	23.09.99 23:00	10.6	05.10.99 23:00	6.2
31.08.99 02:00	10.2	12.09.99 02:00	10.6	24.09.99 02:00	10.6	06.10.99 02:00	6.5
31.08.99 05:00	10.2	12.09.99 05:00	9.9	24.09.99 05:00	10.2	06.10.99 05:00	6.5
31.08.99 08:00	9.9	12.09.99 08:00	10.2	24.09.99 08:00	10.2	06.10.99 08:00	6.9
31.08.99 11:00	10.2	12.09.99 11:00	10.2	24.09.99 11:00	10.2	06.10.99 11:00	6.9
31.08.99 14:00	10.2	12.09.99 14:00	10.2	24.09.99 14:00	10.2	06.10.99 14:00	7.3
31.08.99 17:00	10.2	12.09.99 17:00	10.2	24.09.99 17:00	10.2	06.10.99 17:00	7.3
31.08.99 20:00	10.2	12.09.99 20:00	10.2	24.09.99 20:00	10.2	06.10.99 20:00	6.2
31.08.99 23:00	10.6	12.09.99 23:00	10.6	24.09.99 23:00	10.6	06.10.99 23:00	6.5
01.09.99 02:00	10.2	13.09.99 02:00	10.6	25.09.99 02:00	10.6	07.10.99 02:00	6.9
01.09.99 05:00	10.6	13.09.99 05:00	9.9	25.09.99 05:00	10.6	07.10.99 05:00	6.9
01.09.99 08:00	10.2	13.09.99 08:00	9.9	25.09.99 08:00	10.2	07.10.99 08:00	6.9
01.09.99 11:00	10.2	13.09.99 11:00	9.9	25.09.99 11:00	10.2	07.10.99 11:00	7.3
01.09.99 14:00	10.2	13.09.99 14:00	10.2	25.09.99 14:00	10.2	07.10.99 14:00	7.7
01.09.99 17:00	10.2	13.09.99 17:00	10.2	25.09.99 17:00	10.2	07.10.99 17:00	7.7
01.09.99 20:00	9.1	13.09.99 20:00	10.6	25.09.99 20:00	10.2	07.10.99 20:00	5.8
02.09.99 02:00	8.4	14.09.99 02:00	9.9	26.09.99 02:00	10.6	08.10.99 02:00	3.5
02.09.99 05:00	8.4	14.09.99 05:00	9.1	26.09.99 05:00	10.6	08.10.99 05:00	3.5
02.09.99 08:00	8.8	14.09.99 08:00	9.1	26.09.99 08:00	10.2	08.10.99 08:00	4.3
02.09.99 11:00	9.1	14.09.99 11:00	9.9	26.09.99 11:00	10.2	08.10.99 11:00	5.8
02.09.99 14:00	9.5	14.09.99 14:00	9.9	26.09.99 14:00	10.2	08.10.99 14:00	6.2
02.09.99 17:00	9.5	14.09.99 17:00	9.9	26.09.99 17:00	10.2	08.10.99 17:00	6.2
02.09.99 20:00	9.5	14.09.99 20:00	9.9	26.09.99 20:00	10.2	08.10.99 20:00	5.8
02.09.99 23:00	9.9	14.09.99 23:00	10.2	26.09.99 23:00	10.2	08.10.99 23:00	6.2
03.09.99 02:00	9.9	15.09.99 02:00	10.2	27.09.99 02:00	10.6	09.10.99 02:00	6.5
03.09.99 05:00	8.8	15.09.99 05:00	9.5	27.09.99 05:00	10.6	09.10.99 05:00	6.5
03.09.99 08:00	9.1	15.09.99 08:00	9.9	27.09.99 08:00	10.6	09.10.99 08:00	6.5
03.09.99 11:00	9.5	15.09.99 11:00	9.9	27.09.99 11:00	10.2	09.10.99 11:00	6.5
03.09.99 14:00	9.5	15.09.99 14:00	9.9	27.09.99 14:00	10.2	09.10.99 14:00	6.5
03.09.99 17:00	9.5	15.09.99 17:00	9.9	27.09.99 17:00	10.6	09.10.99 17:00	6.9
03.09.99 20:00	9.5	15.09.99 20:00	9.9	27.09.99 20:00	10.6	09.10.99 20:00	6.9
03.09.99 23:00	9.9	15.09.99 23:00	10.2	27.09.99 23:00	9.1	09.10.99 23:00	6.9
04.09.99 02:00	9.9	16.09.99 02:00	10.6	28.09.99 02:00	8.8	10.10.99 02:00	6.9
04.09.99 05:00	9.9	16.09.99 05:00	10.2	28.09.99 05:00	9.5	10.10.99 05:00	6.9
04.09.99 08:00	9.9	16.09.99 08:00	10.2	28.09.99 08:00	9.9	10.10.99 08:00	6.9
04.09.99 11:00	9.9	16.09.99 11:00	10.2	28.09.99 11:00	9.9	10.10.99 11:00	6.9
04.09.99 14:00	9.9	16.09.99 14:00	10.2	28.09.99 14:00	9.9	10.10.99 14:00	6.9
04.09.99 17:00	9.9	16.09.99 17:00	10.2	28.09.99 17:00	9.9	10.10.99 17:00	6.9
04.09.99 20:00	10.2	16.09.99 20:00	10.2	28.09.99 20:00	10.2	10.10.99 20:00	6.9
04.09.99 23:00	10.2	16.09.99 23:00	10.2	28.09.99 23:00	9.9	10.10.99 23:00	7.3
05.09.99 02:00	9.9	17.09.99 02:00	10.2	29.09.99 02:00	10.2	11.10.99 02:00	7.3
05.09.99 05:00	9.5	17.09.99 05:00	10.2	29.09.99 05:00	10.2	11.10.99 05:00	7.3
05.09.99 08:00	9.9	17.09.99 08:00	10.2	29.09.99 08:00	9.9	11.10.99 08:00	7.3
05.09.99 11:00	9.9	17.09.99 11:00	10.2	29.09.99 11:00	9.9	11.10.99 11:00	7.3
05.09.99 14:00	9.9	17.09.99 14:00	10.2	29.09.99 14:00	9.9	11.10.99 14:00	7.3
05.09.99 17:00	9.9	17.09.99 17:00	10.2	29.09.99 17:00	9.9	11.10.99 17:00	7.3
05.09.99 20:00	9.9	17.09.99 20:00	10.2	29.09.99 20:00	9.9	11.10.99 20:00	7.3
05.09.99 23:00	10.2	17.09.99 23:00	10.2	29.09.99 23:00	9.9	11.10.99 23:00	7.3
06.09.99 02:00	9.1	18.09.99 02:00	10.2	30.09.99 02:00	9.9	12.10.99 02:00	7.3
06.09.99 05:00	8.8	18.09.99 05:00	10.2	30.09.99 05:00	9.9	12.10.99 05:00	7.3
06.09.99 08:00	9.5	18.09.99 08:00	10.2	30.09.99 08:00	9.9	12.10.99 08:00	7.3
06.09.99 11:00	9.5	18.09.99 11:00	10.2	30.09.99 11:00	10.2	12.10.99 11:00	7.7
06.09.99 14:00	9.9	18.09.99 14:00	10.2	30.09.99 14:00	10.2	12.10.99 14:00	7.7
06.09.99 17:00	9.9	18.09.99 17:00	10.2	30.09.99 17:00	10.2	12.10.99 17:00	7.7
06.09.99 20:00	9.9	18.09.99 20:00	10.2	30.09.99 20:00	10.2	12.10.99 20:00	7.7
06.09.99 23:00	9.9	18.09.99 23:00	10.6	30.09.99 23:00	10.2	12.10.99 23:00	7.7
07.09.99 02:00	9.9	19.09.99 02:00	10.6	31.10.99 02:00	10.2	13.10.99 02:00	5.8
07.09.99 05:00	9.9	19.09.99 05:00	10.6	31.10.99 05:00	10.2	13.10.99 05:00	5.0
07.09.99 08:00	9.9	19.09.99 08:00	10.6	31.10.99 08:00	10.2	13.10.99 08:00	4.6
07.09.99 11:00	9.9	19.09.99 11:00	10.2	31.10.99 11:00	10.2	13.10.99 11:00	6.5
07.09.99 14:00	9.9	19.09.99 14:00	10.2	31.10.99 14:00	10.2	13.10.99 14:00	6.9
07.09.99 17:00	9.9	19.09.99 17:00	10.2	31.10.99 17:00	10.2	13.10.99 17:00	6.9
07.09.99 20:00	9.9	19.09.99 20:00	10.6	31.10.99 20:00	9.9	13.10.99 20:00	6.9
07.09.99 23:00	9.9	19.09.99 23:00	11.0	31.10.99 23:00	8.4	13.10.99 23:00	6.9
08.09.99 02:00	9.9	20.09.99 02:00	10.6	32.10.99 02:00	8.0	14.10.99 02:00	7.3
08.09.99 05:00	9.9	20.09.99 05:00	10.2	32.10.99 05:00	7.3	14.10.99 05:00	6.9
08.09.99 08:00	9.9	20.09.99 08:00	10.6	32.10.99 08:00	7.3	14.10.99 08:00	6.9
08.09.99 11:00	9.9	20.09.99 11:00	10.2	32.10.99 11:00	8.8	14.10.99 11:00	7.3
08.09.99 14:00	9.9	20.09.99 14:00	10.6	32.10.99 14:00	9.1	14.10.99 14:00	7.3
08.09.99 17:00	9.9	20.09.99 17:00	10.6	32.10.99 17:00	9.1	14.10.99 17:00	7.3
08.09.99 20:00	9.9	20.09.99 20:00	10.6	32.10.99 20:00	9.1	14.10.99 20:00	6.9
08.09.99 23:00	9.9	20.09.99 23:00	11.0	32.10.99 23:00	8.4	14.10.99 23:00	6.9

RANNA 02, Messprotokoll (Datum / °C)

14.10.99 20:00	6.5	26/10/99 20:59:22	4.6	07/11/99 20:59:22	4.6	19/11/99 20:59:22	-1.8
14.10.99 23:00	6.9	26/10/99 23:59:22	4.6	08/11/99 02:59:22	4.6	20/11/99 02:59:22	-1.8
15.10.99 02:00	6.9	27/10/99 02:59:22	4.6	08/11/99 05:59:22	4.6	20/11/99 05:59:22	-1.8
15.10.99 05:00	6.9	27/10/99 05:59:22	4.6	08/11/99 08:59:22	4.6	20/11/99 08:59:22	-1.4
15.10.99 08:00	6.9	27/10/99 08:59:22	4.6	08/11/99 11:59:22	4.6	20/11/99 11:59:22	-1.0
15.10.99 11:00	7.3	27/10/99 11:59:22	4.6	08/11/99 14:59:22	4.6	20/11/99 14:59:22	-1.8
15.10.99 14:00	7.3	27/10/99 14:59:22	4.6	08/11/99 17:59:22	5.0	20/11/99 17:59:22	-3.1
15.10.99 17:00	7.3	27/10/99 17:59:22	5.0	08/11/99 20:59:22	5.0	20/11/99 20:59:22	-4.4
15.10.99 20:00	6.9	27/10/99 20:59:22	4.6	08/11/99 23:59:22	5.0	20/11/99 23:59:22	-5.3
15.10.99 23:00	5.0	27/10/99 23:59:22	3.9	09/11/99 02:59:22	4.6	21/11/99 02:59:22	-6.3
16.10.99 02:00	3.5	28/10/99 02:59:22	3.1	09/11/99 05:59:22	4.6	21/11/99 05:59:22	-6.7
16.10.99 05:00	2.3	28/10/99 05:59:22	2.3	09/11/99 08:59:22	4.6	21/11/99 08:59:22	-6.7
16.10.99 08:00	1.5	28/10/99 08:59:22	3.1	09/11/99 11:59:22	5.0	21/11/99 11:59:22	-3.1
16.10.99 11:00	3.9	28/10/99 11:59:22	4.3	09/11/99 14:59:22	5.0	21/11/99 14:59:22	-2.2
16.10.99 14:00	4.6	28/10/99 14:59:22	4.6	09/11/99 17:59:22	4.6	21/11/99 17:59:22	-2.7
16.10.99 17:00	4.6	28/10/99 17:59:22	4.6	09/11/99 20:59:22	4.3	21/11/99 20:59:22	-2.2
16.10.99 20:00	3.5	28/10/99 20:59:22	5.0	09/11/99 23:59:22	4.3	21/11/99 23:59:22	-2.2
17.10.99 02:00	3.1	29/10/99 02:59:22	4.6	10/11/99 02:59:22	4.3	22/11/99 02:59:22	-2.2
17.10.99 05:00	0.7	29/10/99 05:59:22	4.6	10/11/99 05:59:22	4.3	22/11/99 05:59:22	-2.2
17.10.99 08:00	0.7	29/10/99 08:59:22	4.6	10/11/99 08:59:22	4.3	22/11/99 08:59:22	-2.2
17.10.99 11:00	3.1	29/10/99 11:59:22	4.6	10/11/99 11:59:22	4.3	22/11/99 11:59:22	-1.8
17.10.99 14:00	3.5	29/10/99 14:59:22	5.0	10/11/99 14:59:22	4.3	22/11/99 14:59:22	-1.8
17.10.99 17:00	3.5	29/10/99 17:59:22	5.0	10/11/99 17:59:22	3.5	22/11/99 17:59:22	-2.2
17.10.99 20:00	1.5	29/10/99 20:59:22	5.0	10/11/99 20:59:22	3.5	22/11/99 20:59:22	-1.8
17.10.99 23:00	0.7	29/10/99 23:59:22	4.6	10/11/99 23:59:22	3.5	22/11/99 23:59:22	-1.8
18.10.99 02:00	0.3	30/10/99 02:59:22	4.3	11/11/99 02:59:22	3.5	23/11/99 02:59:22	-1.8
18.10.99 05:00	-0.1	30/10/99 05:59:22	4.3	11/11/99 05:59:22	3.1	23/11/99 05:59:22	-1.4
18.10.99 08:00	-0.1	30/10/99 08:59:22	4.6	11/11/99 08:59:22	2.3	23/11/99 08:59:22	-1.4
18.10.99 11:00	1.9	30/10/99 11:59:22	5.0	11/11/99 11:59:22	3.9	23/11/99 11:59:22	-1.0
18.10.99 14:00	2.3	30/10/99 14:59:22	5.0	11/11/99 14:59:22	3.9	23/11/99 14:59:22	-0.6
18.10.99 17:00	2.3	30/10/99 17:59:22	5.0	11/11/99 17:59:22	3.5	23/11/99 17:59:22	-0.6
18.10.99 20:00	2.3	30/10/99 20:59:22	5.0	11/11/99 20:59:22	3.5	23/11/99 20:59:22	-0.6
18.10.99 23:00	1.5	30/10/99 23:59:22	4.6	11/11/99 23:59:22	3.5	23/11/99 23:59:22	-0.6
19.10.99 02:00	1.5	31/10/99 02:59:22	5.0	12/11/99 02:59:22	3.9	24/11/99 02:59:22	-0.6
19.10.99 05:00	1.1	31/10/99 05:59:22	5.0	12/11/99 05:59:22	3.9	24/11/99 05:59:22	-0.6
19.10.99 08:00	0.7	31/10/99 08:59:22	5.0	12/11/99 08:59:22	3.9	24/11/99 08:59:22	-0.6
19.10.99 11:00	2.3	31/10/99 11:59:22	5.0	12/11/99 11:59:22	4.3	24/11/99 11:59:22	-0.6
19.10.99 14:00	2.3	31/10/99 14:59:22	5.0	12/11/99 14:59:22	4.3	24/11/99 14:59:22	-0.6
19.10.99 17:00	2.3	31/10/99 17:59:22	5.4	12/11/99 17:59:22	3.9	24/11/99 17:59:22	-0.6
19.10.99 20:00	1.9	31/10/99 20:59:22	4.3	12/11/99 20:59:22	3.9	24/11/99 20:59:22	-0.6
19.10.99 23:00	1.1	31/10/99 23:59:22	3.1	12/11/99 23:59:22	3.5	24/11/99 23:59:22	-0.6
20.10.99 02:00	-0.1	01/11/99 02:59:22	1.9	13/11/99 02:59:22	3.1	25/11/99 02:59:22	-0.1
20.10.99 05:00	-0.1	01/11/99 05:59:22	1.1	13/11/99 05:59:22	3.1	25/11/99 05:59:22	-0.1
20.10.99 08:00	-0.6	01/11/99 08:59:22	1.5	13/11/99 08:59:22	3.5	25/11/99 08:59:22	-0.1
20.10.99 11:00	1.5	01/11/99 11:59:22	3.9	13/11/99 11:59:22	3.5	25/11/99 11:59:22	-0.6
20.10.99 14:00	2.3	01/11/99 14:59:22	4.3	13/11/99 14:59:22	3.5	25/11/99 14:59:22	-0.1
20.10.99 17:00	2.3	01/11/99 17:59:22	3.9	13/11/99 17:59:22	3.1	25/11/99 17:59:22	-0.1
20.10.99 20:00	1.9	01/11/99 20:59:22	3.5	13/11/99 20:59:22	2.7	25/11/99 20:59:22	-0.1
20.10.99 23:00	1.5	01/11/99 23:59:22	3.1	13/11/99 23:59:22	2.7	25/11/99 23:59:22	-0.1
21.10.99 02:00	1.1	02/11/99 02:59:22	2.7	14/11/99 02:59:22	1.9	26/11/99 02:59:22	-0.1
21.10.99 05:00	1.1	02/11/99 05:59:22	2.3	14/11/99 05:59:22	1.1	26/11/99 05:59:22	-0.1
21.10.99 08:00	1.5	02/11/99 08:59:22	3.1	14/11/99 08:59:22	1.1	26/11/99 08:59:22	-0.1
21.10.99 11:00	2.3	02/11/99 11:59:22	3.9	14/11/99 11:59:22	1.1	26/11/99 11:59:22	-0.1
21.10.99 14:00	2.7	02/11/99 14:59:22	4.3	14/11/99 14:59:22	1.5	26/11/99 14:59:22	-0.1
21.10.99 17:00	2.7	02/11/99 17:59:22	4.3	14/11/99 17:59:22	1.5	26/11/99 17:59:22	-0.1
21.10.99 20:00	2.7	02/11/99 20:59:22	4.3	14/11/99 20:59:22	1.5	26/11/99 20:59:22	-0.6
21.10.99 23:00	2.3	02/11/99 23:59:22	4.3	14/11/99 23:59:22	1.1	26/11/99 23:59:22	-1.0
22.10.99 02:00	2.3	03/11/99 02:59:22	4.3	15/11/99 02:59:22	1.1	27/11/99 02:59:22	-0.6
22.10.99 05:00	2.3	03/11/99 05:59:22	4.3	15/11/99 05:59:22	0.3	27/11/99 05:59:22	-0.6
22.10.99 08:00	1.9	03/11/99 08:59:22	4.3	15/11/99 11:59:22	1.1	27/11/99 11:59:22	-0.6
22.10.99 11:00	2.7	03/11/99 11:59:22	4.3	15/11/99 14:59:22	1.1	27/11/99 14:59:22	-0.6
22.10.99 14:00	3.1	03/11/99 14:59:22	4.6	15/11/99 17:59:22	0.3	27/11/99 17:59:22	-1.0
22.10.99 17:00	3.1	03/11/99 17:59:22	4.6	15/11/99 20:59:22	-0.6	27/11/99 20:59:22	-1.0
22.10.99 20:00	2.7	03/11/99 20:59:22	4.6	15/11/99 23:59:22	-1.4	27/11/99 23:59:22	-1.0
22.10.99 23:00	2.3	03/11/99 23:59:22	5.0	15/11/99 02:59:22	-0.8	27/11/99 02:59:22	-1.4
23.10.99 02:00	2.3	04/11/99 02:59:22	5.4	16/11/99 02:59:22	-2.2	28/11/99 02:59:22	-1.4
23.10.99 05:00	2.3	04/11/99 05:59:22	5.0	16/11/99 05:59:22	-2.7	28/11/99 05:59:22	-1.8
23.10.99 08:00	2.3	04/11/99 08:59:22	5.0	16/11/99 11:59:22	-2.7	28/11/99 08:59:22	-2.2
23.10.99 11:00	3.1	04/11/99 11:59:22	4.6	16/11/99 14:59:22	-1.0	28/11/99 11:59:22	-1.0
23.10.99 14:00	3.1	04/11/99 14:59:22	4.6	16/11/99 17:59:22	-0.6	28/11/99 14:59:22	-1.0
23.10.99 17:00	3.1	04/11/99 17:59:22	5.0	16/11/99 20:59:22	-0.1	28/11/99 17:59:22	-1.0
23.10.99 20:00	3.1	04/11/99 20:59:22	3.9	16/11/99 23:59:22	-0.6	28/11/99 20:59:22	-0.6
23.10.99 23:00	3.5	04/11/99 23:59:22	3.5	17/11/99 02:59:22	-0.1	28/11/99 23:59:22	-0.6
24.10.99 02:00	3.5	05/11/99 02:59:22	2.7	17/11/99 05:59:22	-0.1	29/11/99 02:59:22	-0.6
24.10.99 05:00	3.5	05/11/99 05:59:22	2.3	17/11/99 08:59:22	-0.1	29/11/99 05:59:22	-1.0
24.10.99 08:00	3.5	05/11/99 08:59:22	3.9	17/11/99 11:59:22	-0.1	29/11/99 08:59:22	-1.0
24.10.99 11:00	3.5	05/11/99 11:59:22	4.3	17/11/99 14:59:22	0.3	29/11/99 11:59:22	-0.6
24/10/99 14:59:22	3.5	05/11/99 14:59:22	4.6	17/11/99 17:59:22	0.7	29/11/99 14:59:22	-0.6
24/10/99 17:59:22	3.5	05/11/99 17:59:22	4.3	17/11/99 20:59:22	0.7	29/11/99 17:59:22	-0.6
24/10/99 20:59:22	3.5	05/11/99 20:59:22	4.3	17/11/99 23:59:22	-0.6	29/11/99 20:59:22	-1.4
25/10/99 02:59:22	3.9	06/11/99 02:59:22	4.6	18/11/99 02:59:22	0.3	30/11/99 02:59:22	-1.8
25/10/99 05:59:22	3.9	06/11/99 05:59:22	4.6	18/11/99 05:59:22	0.3	30/11/99 05:59:22	-1.8
25/10/99 08:59:22	3.9	06/11/99 08:59:22	4.6	18/11/99 08:59:22	0.3	30/11/99 08:59:22	-1.8
25/10/99 11:59:22	3.9	06/11/99 11:59:22	4.6	18/11/99 11:59:22	0.7	30/11/99 11:59:22	-1.4
25/10/99 14:59:22	3.9	06/11/99 14:59:22	4.6	18/11/99 14:59:22	0.7	30/11/99 14:59:22	-1.0
25/10/99 17:59:22	3.9	06/11/99 17:59:22	4.6	18/11/99 17:59:22	-0.1	30/11/99 17:59:22	-1.0
25/10/99 20:59:22	3.9	06/11/99 20:59:22	4.6	18/11/99 20:59:22	-0.6	30/11/99 20:59:22	-1.4
25/10/99 23:59:22	3.9	06/11/99 23:59:22	4.6	18/11/99 23:59:22	-0.6	30/11/99 23:59:22	-2.7
26/10/99 02:59:22	3.9	07/11/99 02:59:22	4.6	19/11/99 02:59:22	-2.2	01/12/99 02:59:22	-3.5
26/10/99 05:59:22	4.3	07/11/99 05:59:22	4.6	19/11/99 05:59:22	-1.8	01/12/99 05:59:22	-2.7
26/10/99 08:59:22	4.3	07/11/99 08:59:22	4.6	19/11/99 08:59:22	-1.8	01/12/99 08:59:22	-1.8
26/10/99 11:59:22	4.3	07/11/99 11:59:22	4.6	19/11/99 11:59:22	-0.6	01/12/99 11:59:22	-1.0
26/10/99 14:59:22	4.3	07/11/99 14:59:22	4.6	19/11/99 14:59:22	-0.6	01/12/99 14:59:22	-0.6
26/10/99 17:59:22	4.3	07/11/99 17:59:22	4.6	19/11/99 17:59:22	-0.6	01/12/99 17:59:22	-0.6
26/10/99 20:59:22	4.3	07/11/99 20:59:22	4.6	19/11/99 20:59:22	-0.6	01/12/99 20:59:22	-0.6
26/10/99 23:59:22	4.3	07/11/99 23:59:22	4.6	19/11/99 23:59:22	-0.6	01/12/99 23:59:22	-0.6

RANNA 02, Messprotokoll (Datum / °C)

01/12/99 20:59:22	-0.6	13/12/99 20:59:22	0.3	25/12/99 20:59:22	-3.5	06/01/00 20:59:22	-1.4
01/12/99 23:59:22	-0.6	13/12/99 23:59:22	-0.1	26/12/99 00:59:22	-3.1	06/01/00 23:59:22	-1.0
02/12/99 00:59:22	-0.6	14/12/99 00:59:22	-0.1	26/12/99 05:59:22	-3.1	07/01/00 00:59:22	-1.0
02/12/99 05:59:22	-0.6	14/12/99 05:59:22	-0.1	26/12/99 08:59:22	-3.1	07/01/00 08:59:22	-1.0
02/12/99 08:59:22	-0.6	14/12/99 08:59:22	-0.1	26/12/99 11:59:22	-3.1	07/01/00 11:59:22	-1.0
02/12/99 11:59:22	-0.6	14/12/99 11:59:22	0.3	26/12/99 14:59:22	-3.1	07/01/00 14:59:22	-1.0
02/12/99 14:59:22	-0.6	14/12/99 17:59:22	0.3	26/12/99 17:59:22	-3.1	07/01/00 17:59:22	-1.0
02/12/99 20:59:22	-0.6	14/12/99 20:59:22	0.3	26/12/99 20:59:22	-3.1	07/01/00 20:59:22	-1.0
02/12/99 23:59:22	-0.6	14/12/99 23:59:22	-0.1	27/12/99 00:59:22	-3.1	07/01/00 23:59:22	-1.0
03/12/99 00:59:22	-0.6	15/12/99 00:59:22	-0.1	27/12/99 05:59:22	-3.1	08/01/00 00:59:22	-1.4
03/12/99 05:59:22	-0.6	15/12/99 05:59:22	-0.1	27/12/99 08:59:22	-3.1	08/01/00 05:59:22	-1.4
03/12/99 08:59:22	-0.6	15/12/99 08:59:22	-0.1	27/12/99 11:59:22	-3.1	08/01/00 08:59:22	-1.4
03/12/99 11:59:22	-0.6	15/12/99 11:59:22	-0.1	27/12/99 14:59:22	-3.1	08/01/00 11:59:22	-1.0
03/12/99 14:59:22	-0.6	15/12/99 17:59:22	-0.6	27/12/99 17:59:22	-2.7	08/01/00 14:59:22	-1.0
03/12/99 20:59:22	-0.6	15/12/99 20:59:22	-1.0	27/12/99 20:59:22	-2.7	08/01/00 20:59:22	-1.4
03/12/99 23:59:22	-0.1	15/12/99 23:59:22	-1.4	27/12/99 23:59:22	-2.7	08/01/00 23:59:22	-2.2
04/12/99 00:59:22	-0.6	16/12/99 00:59:22	-1.8	28/12/99 00:59:22	-2.7	09/01/00 00:59:22	-2.7
04/12/99 05:59:22	-0.1	16/12/99 05:59:22	-1.8	28/12/99 03:59:22	-2.7	09/01/00 05:59:22	-2.7
04/12/99 08:59:22	-0.1	16/12/99 08:59:22	-1.8	28/12/99 08:59:22	-2.7	09/01/00 08:59:22	-2.7
04/12/99 11:59:22	-0.1	16/12/99 11:59:22	-1.0	28/12/99 11:59:22	-2.2	09/01/00 11:59:22	-1.8
04/12/99 14:59:22	-0.1	16/12/99 14:59:22	-1.0	28/12/99 14:59:22	-2.2	09/01/00 14:59:22	-1.8
04/12/99 17:59:22	-0.6	16/12/99 17:59:22	-1.0	28/12/99 17:59:22	-2.2	09/01/00 17:59:22	-1.8
04/12/99 20:59:22	-0.6	16/12/99 20:59:22	-1.8	28/12/99 20:59:22	-2.2	09/01/00 20:59:22	-1.8
04/12/99 23:59:22	-0.1	16/12/99 23:59:22	-2.7	28/12/99 23:59:22	-2.2	10/01/00 00:59:22	-1.8
05/12/99 00:59:22	-0.1	17/12/99 00:59:22	-4.0	29/12/99 00:59:22	-2.2	10/01/00 05:59:22	-2.2
05/12/99 05:59:22	-0.1	17/12/99 05:59:22	-3.5	29/12/99 03:59:22	-2.2	10/01/00 08:59:22	-2.2
05/12/99 08:59:22	-0.1	17/12/99 08:59:22	-4.0	29/12/99 08:59:22	-1.8	10/01/00 11:59:22	-1.4
05/12/99 11:59:22	-0.1	17/12/99 11:59:22	-3.1	29/12/99 11:59:22	-1.8	10/01/00 14:59:22	-1.0
05/12/99 14:59:22	-0.1	17/12/99 14:59:22	-2.7	29/12/99 14:59:22	-1.8	10/01/00 17:59:22	-1.4
05/12/99 17:59:22	-0.1	17/12/99 17:59:22	-4.0	29/12/99 17:59:22	-1.8	10/01/00 20:59:22	-1.0
05/12/99 20:59:22	-0.1	17/12/99 20:59:22	-3.5	29/12/99 20:59:22	-1.8	10/01/00 23:59:22	-1.4
05/12/99 23:59:22	-0.1	17/12/99 23:59:22	-3.1	29/12/99 23:59:22	-1.8	11/01/00 00:59:22	-1.4
06/12/99 00:59:22	-0.1	18/12/99 00:59:22	-2.2	30/12/99 00:59:22	-1.8	11/01/00 05:59:22	-1.8
06/12/99 05:59:22	-0.6	18/12/99 05:59:22	-1.8	30/12/99 03:59:22	-1.8	11/01/00 08:59:22	-1.8
06/12/99 08:59:22	-0.1	18/12/99 08:59:22	-1.4	30/12/99 08:59:22	-1.8	11/01/00 11:59:22	-1.0
06/12/99 11:59:22	-0.1	18/12/99 11:59:22	-0.6	30/12/99 11:59:22	-1.8	11/01/00 14:59:22	-1.0
06/12/99 14:59:22	-0.1	18/12/99 14:59:22	-0.6	30/12/99 14:59:22	-1.8	11/01/00 17:59:22	-1.8
06/12/99 17:59:22	-0.6	18/12/99 17:59:22	-0.6	30/12/99 17:59:22	-1.8	11/01/00 20:59:22	-3.5
06/12/99 20:59:22	-0.6	18/12/99 20:59:22	-0.6	30/12/99 20:59:22	-1.8	11/01/00 23:59:22	-5.3
06/12/99 23:59:22	-0.1	18/12/99 23:59:22	-0.6	31/12/99 00:59:22	-2.2	12/01/00 00:59:22	-6.7
07/12/99 00:59:22	-0.1	19/12/99 00:59:22	-0.6	31/12/99 03:59:22	-1.8	12/01/00 05:59:22	-7.7
07/12/99 05:59:22	-0.1	19/12/99 05:59:22	-0.6	31/12/99 08:59:22	-2.2	12/01/00 08:59:22	-8.2
07/12/99 08:59:22	-0.1	19/12/99 08:59:22	-0.6	31/12/99 11:59:22	-1.4	12/01/00 11:59:22	-5.8
07/12/99 11:59:22	-0.1	19/12/99 11:59:22	-0.6	31/12/99 14:59:22	-1.4	12/01/00 14:59:22	-4.4
07/12/99 14:59:22	-0.1	19/12/99 14:59:22	-0.6	31/12/99 17:59:22	-1.8	12/01/00 17:59:22	-4.4
07/12/99 17:59:22	-0.6	19/12/99 17:59:22	-0.6	31/12/99 20:59:22	-2.2	12/01/00 20:59:22	-4.0
07/12/99 20:59:22	-1.0	19/12/99 20:59:22	-1.0	31/12/99 23:59:22	-2.2	12/01/00 23:59:22	-4.0
07/12/99 23:59:22	-1.0	19/12/99 23:59:22	-1.4	01/01/00 00:59:22	-2.2	13/01/00 00:59:22	-4.0
08/12/99 00:59:22	-0.1	20/12/99 00:59:22	-1.4	01/01/00 03:59:22	-1.8	13/01/00 03:59:22	-4.4
08/12/99 05:59:22	-0.1	20/12/99 05:59:22	-1.8	01/01/00 11:59:22	-1.4	13/01/00 11:59:22	-4.9
08/12/99 08:59:22	-0.1	20/12/99 08:59:22	-1.8	01/01/00 14:59:22	-1.4	13/01/00 14:59:22	-5.3
08/12/99 11:59:22	-0.1	20/12/99 11:59:22	-1.0	01/01/00 17:59:22	-1.4	13/01/00 17:59:22	-6.3
08/12/99 14:59:22	-0.1	20/12/99 14:59:22	-1.0	01/01/00 20:59:22	-1.4	13/01/00 20:59:22	-7.2
08/12/99 17:59:22	-0.6	20/12/99 17:59:22	-1.4	01/01/00 23:59:22	-1.4	13/01/00 23:59:22	-8.2
08/12/99 20:59:22	-0.1	20/12/99 20:59:22	-1.8	02/01/00 00:59:22	-1.4	14/01/00 00:59:22	-7.7
08/12/99 23:59:22	-0.1	20/12/99 23:59:22	-1.8	02/01/00 03:59:22	-1.4	14/01/00 03:59:22	-8.2
09/12/99 00:59:22	-0.1	21/12/99 00:59:22	-1.4	02/01/00 08:59:22	-1.4	14/01/00 08:59:22	-8.2
09/12/99 05:59:22	-0.6	21/12/99 05:59:22	-1.8	02/01/00 11:59:22	-1.4	14/01/00 11:59:22	-6.3
09/12/99 08:59:22	-0.1	21/12/99 08:59:22	-1.4	02/01/00 14:59:22	-1.4	14/01/00 14:59:22	-5.8
09/12/99 11:59:22	-0.1	21/12/99 11:59:22	-0.7	02/01/00 17:59:22	-1.0	14/01/00 17:59:22	-6.7
09/12/99 14:59:22	-0.1	21/12/99 14:59:22	-0.6	02/01/00 20:59:22	-1.4	14/01/00 20:59:22	-6.3
09/12/99 17:59:22	-0.1	21/12/99 17:59:22	-0.7	02/01/00 23:59:22	-1.0	14/01/00 23:59:22	-5.8
09/12/99 20:59:22	-0.1	21/12/99 20:59:22	-0.7	03/01/00 00:59:22	-1.0	15/01/00 00:59:22	-6.7
09/12/99 23:59:22	-0.1	21/12/99 23:59:22	-0.8	03/01/00 03:59:22	-1.0	15/01/00 03:59:22	-7.2
10/12/99 00:59:22	-0.1	22/12/99 00:59:22	-0.9	03/01/00 08:59:22	-1.0	15/01/00 08:59:22	-7.2
10/12/99 05:59:22	-0.1	22/12/99 05:59:22	-1.0	03/01/00 11:59:22	-1.0	15/01/00 11:59:22	-5.8
10/12/99 08:59:22	-0.6	22/12/99 08:59:22	-1.0	03/01/00 14:59:22	-1.0	15/01/00 14:59:22	-4.4
10/12/99 11:59:22	-0.3	22/12/99 11:59:22	-0.5	03/01/00 17:59:22	-1.0	15/01/00 17:59:22	-5.3
10/12/99 14:59:22	-0.6	22/12/99 14:59:22	-0.4	03/01/00 20:59:22	-1.0	15/01/00 20:59:22	-5.3
10/12/99 17:59:22	-0.6	22/12/99 17:59:22	-0.5	03/01/00 23:59:22	-1.0	15/01/00 23:59:22	-4.9
10/12/99 20:59:22	-0.1	22/12/99 20:59:22	-0.7	04/01/00 02:59:22	-1.0	16/01/00 02:59:22	-4.4
10/12/99 23:59:22	0.3	22/12/99 23:59:22	-0.2	04/01/00 05:59:22	-1.0	16/01/00 05:59:22	-4.9
11/12/99 00:59:22	0.3	23/12/99 00:59:22	-0.7	04/01/00 08:59:22	-1.0	16/01/00 08:59:22	-4.9
11/12/99 05:59:22	0.3	23/12/99 05:59:22	-0.7	04/01/00 11:59:22	-1.0	16/01/00 11:59:22	-3.5
11/12/99 08:59:22	0.3	23/12/99 08:59:22	-0.7	04/01/00 14:59:22	-1.0	16/01/00 14:59:22	-3.5
11/12/99 11:59:22	0.3	23/12/99 11:59:22	-0.7	04/01/00 17:59:22	-1.0	16/01/00 17:59:22	-3.5
11/12/99 14:59:22	-0.1	23/12/99 14:59:22	-0.6	04/01/00 20:59:22	-1.0	16/01/00 20:59:22	-3.1
11/12/99 17:59:22	-0.1	23/12/99 17:59:22	-0.6	04/01/00 23:59:22	-1.0	16/01/00 23:59:22	-3.1
11/12/99 20:59:22	0.3	23/12/99 20:59:22	-0.6	05/01/00 02:59:22	-1.0	17/01/00 02:59:22	-3.5
11/12/99 23:59:22	0.3	23/12/99 23:59:22	-0.5	05/01/00 05:59:22	-1.0	17/01/00 05:59:22	-3.1
12/12/99 00:59:22	0.3	24/12/99 00:59:22	-0.5	05/01/00 08:59:22	-1.0	17/01/00 08:59:22	-3.5
12/12/99 05:59:22	0.3	24/12/99 05:59:22	-0.4	05/01/00 11:59:22	-1.0	17/01/00 11:59:22	-3.5
12/12/99 08:59:22	0.3	24/12/99 08:59:22	-0.4	05/01/00 14:59:22	-1.0	17/01/00 14:59:22	-3.5
12/12/99 11:59:22	0.3	24/12/99 11:59:22	-0.3	05/01/00 17:59:22	-1.0	17/01/00 17:59:22	-3.5
12/12/99 14:59:22	0.3	24/12/99 14:59:22	-0.4	05/01/00 20:59:22	-1.0	17/01/00 20:59:22	-3.5
12/12/99 17:59:22	0.3	24/12/99 17:59:22	-0.4	05/01/00 23:59:22	-1.0	17/01/00 23:59:22	-3.5
12/12/99 20:59:22	0.3	24/12/99 20:59:22	-0.4	06/01/00 02:59:22	-1.0	17/01/00 02:59:22	-3.5
12/12/99 23:59:22	0.3	24/12/99 23:59:22	-0.5	06/01/00 05:59:22	-2.2	18/01/00 05:59:22	-3.5
13/12/99 00:59:22	0.3	25/12/99 00:59:22	-0.6	06/01/00 08:59:22	-2.2	18/01/00 08:59:22	-3.5
13/12/99 05:59:22	0.3	25/12/99 05:59:22	-0.5	06/01/00 11:59:22	-1.0	18/01/00 11:59:22	-3.5
13/12/99 08:59:22	0.3	25/12/99 08:59:22	-0.4	06/01/00 14:59:22	-1.0	18/01/00 14:59:22	-3.1
13/12/99 11:59:22	0.3	25/12/99 11:59:22	-0.4	06/01/00 17:59:22	-1.0	18/01/00 17:59:22	-3.1
13/12/99 14:59:22	0.3	25/12/99 14:59:22	-0.4	06/01/00 20:59:22	-1.0	18/01/00 20:59:22	-3.1
13/12/99 17:59:22	0.3	25/12/99 17:59:22	-0.5	06/01/00 23:59:22	-1.0	18/01/00 23:59:22	-3.1

RANNA 02, Messprotokoll (Datum / °C)

RANNA 02, Messprotokoll (Datum / °C)

Ranna 03, Messprotokoll (Datum / °C)

Ranna 03, Messprotokoll (Datum / °C)

Ranna 03, Messprotokoll (Datum / °C)

14.10.99 20:00	6.9	26/10/99 21:00:00	3.9	07/11/99 21:00:00	4.6	19/11/99 21:00:00	-0.6
14.10.99 23:00	6.9	27/10/99 00:00:00	3.9	08/11/99 03:00:00	4.6	20/11/99 00:00:00	-1.0
15.10.99 02:00	6.9	27/10/99 03:00:00	3.9	08/11/99 06:00:00	4.6	20/11/99 03:00:00	-1.0
15.10.99 05:00	6.9	27/10/99 06:00:00	3.9	08/11/99 09:00:00	4.6	20/11/99 06:00:00	-1.0
15.10.99 08:00	6.9	27/10/99 09:00:00	4.3	08/11/99 12:00:00	4.6	20/11/99 09:00:00	-1.0
15.10.99 11:00	6.9	27/10/99 12:00:00	4.3	08/11/99 15:00:00	4.6	20/11/99 12:00:00	-0.6
15.10.99 14:00	6.9	27/10/99 15:00:00	4.3	08/11/99 18:00:00	4.6	20/11/99 15:00:00	-1.0
15.10.99 17:00	6.9	27/10/99 18:00:00	4.3	08/11/99 21:00:00	4.6	20/11/99 18:00:00	-2.2
15.10.99 20:00	6.9	27/10/99 21:00:00	4.3	09/11/99 00:00:00	4.6	21/11/99 00:00:00	-2.7
15.10.99 23:00	6.2	28/10/99 00:00:00	3.9	09/11/99 03:00:00	4.6	21/11/99 03:00:00	-3.5
16.10.99 02:00	5.8	28/10/99 03:00:00	3.5	09/11/99 06:00:00	4.6	21/11/99 06:00:00	-4.0
16.10.99 05:00	5.0	28/10/99 06:00:00	3.1	09/11/99 09:00:00	4.6	21/11/99 09:00:00	-4.4
16.10.99 08:00	4.6	28/10/99 09:00:00	3.1	09/11/99 12:00:00	4.6	21/11/99 12:00:00	-2.7
16.10.99 11:00	4.6	28/10/99 12:00:00	3.9	09/11/99 15:00:00	4.6	21/11/99 15:00:00	-1.8
16.10.99 14:00	5.0	28/10/99 15:00:00	3.9	09/11/99 18:00:00	4.6	21/11/99 18:00:00	-1.8
16.10.99 17:00	5.4	28/10/99 18:00:00	3.9	09/11/99 21:00:00	4.6	21/11/99 21:00:00	-1.8
16.10.99 20:00	4.6	29/10/99 00:00:00	4.3	10/11/99 03:00:00	4.3	22/11/99 00:00:00	-1.8
16.10.99 23:00	4.3	29/10/99 03:00:00	4.3	10/11/99 06:00:00	4.3	22/11/99 03:00:00	-1.8
17.10.99 02:00	4.3	29/10/99 06:00:00	4.3	10/11/99 09:00:00	4.3	22/11/99 06:00:00	-1.8
17.10.99 05:00	3.5	29/10/99 09:00:00	4.3	10/11/99 12:00:00	4.6	22/11/99 09:00:00	-1.8
17.10.99 08:00	3.1	29/10/99 12:00:00	4.3	10/11/99 15:00:00	4.6	22/11/99 12:00:00	-1.4
17.10.99 11:00	3.5	29/10/99 15:00:00	4.3	10/11/99 18:00:00	4.6	22/11/99 15:00:00	-1.4
17.10.99 14:00	3.9	29/10/99 18:00:00	4.6	10/11/99 21:00:00	3.9	22/11/99 18:00:00	-1.8
17.10.99 17:00	3.9	29/10/99 21:00:00	4.3	10/11/99 21:00:00	3.9	22/11/99 21:00:00	-1.4
17.10.99 20:00	3.5	30/10/99 00:00:00	4.3	11/11/99 03:00:00	3.9	23/11/99 00:00:00	-1.4
17.10.99 23:00	3.1	30/10/99 03:00:00	4.3	11/11/99 06:00:00	3.9	23/11/99 03:00:00	-1.4
18.10.99 02:00	2.7	30/10/99 06:00:00	3.9	11/11/99 09:00:00	3.9	23/11/99 06:00:00	-1.0
18.10.99 05:00	2.3	30/10/99 09:00:00	4.3	11/11/99 12:00:00	3.1	23/11/99 09:00:00	-1.0
18.10.99 08:00	2.3	30/10/99 12:00:00	4.3	11/11/99 15:00:00	3.9	23/11/99 12:00:00	-0.6
18.10.99 11:00	2.7	30/10/99 15:00:00	4.6	11/11/99 18:00:00	3.9	23/11/99 15:00:00	-0.6
18.10.99 14:00	3.1	30/10/99 18:00:00	4.3	12/11/99 01:00:00	3.9	23/11/99 18:00:00	-0.6
18.10.99 17:00	3.1	31/10/99 01:00:00	4.3	12/11/99 04:00:00	3.9	24/11/99 00:00:00	-0.6
18.10.99 20:00	3.1	31/10/99 04:00:00	4.6	12/11/99 07:00:00	3.9	24/11/99 03:00:00	-0.1
18.10.99 23:00	3.1	31/10/99 07:00:00	4.6	12/11/99 10:00:00	3.9	24/11/99 09:00:00	-0.1
19.10.99 02:00	2.7	31/10/99 10:00:00	4.6	12/11/99 13:00:00	3.9	24/11/99 12:00:00	-0.1
19.10.99 05:00	2.7	31/10/99 13:00:00	4.6	12/11/99 16:00:00	4.3	24/11/99 15:00:00	-0.1
19.10.99 08:00	2.7	31/10/99 16:00:00	4.6	12/11/99 19:00:00	4.3	24/11/99 18:00:00	-0.1
19.10.99 11:00	2.7	31/10/99 19:00:00	4.6	12/11/99 21:00:00	3.9	24/11/99 21:00:00	-0.1
19.10.99 14:00	2.3	31/10/99 21:00:00	3.5	13/11/99 00:00:00	3.9	25/11/99 00:00:00	-0.1
19.10.99 17:00	2.3	31/10/99 24:00:00	3.5	13/11/99 03:00:00	3.9	25/11/99 03:00:00	-0.1
19.10.99 20:00	2.3	01/11/99 00:00:00	3.9	13/11/99 06:00:00	3.5	25/11/99 06:00:00	-0.1
19.10.99 23:00	2.3	01/11/99 03:00:00	3.5	13/11/99 09:00:00	3.9	25/11/99 09:00:00	-0.1
20.10.99 02:00	2.3	01/11/99 06:00:00	3.5	13/11/99 12:00:00	3.9	25/11/99 12:00:00	-0.1
20.10.99 05:00	1.9	01/11/99 09:00:00	2.3	13/11/99 15:00:00	3.9	25/11/99 15:00:00	-0.1
20.10.99 08:00	1.9	01/11/99 12:00:00	3.1	13/11/99 18:00:00	3.9	25/11/99 18:00:00	-0.1
20.10.99 11:00	2.3	01/11/99 15:00:00	3.5	13/11/99 21:00:00	3.9	25/11/99 21:00:00	-0.1
20.10.99 14:00	2.3	01/11/99 18:00:00	3.5	13/11/99 24:00:00	3.5	26/11/99 00:00:00	-0.1
20.10.99 17:00	2.3	01/11/99 21:00:00	3.1	14/11/99 00:00:00	3.1	26/11/99 03:00:00	-0.1
20.10.99 20:00	2.3	02/11/99 00:00:00	3.1	14/11/99 03:00:00	2.7	26/11/99 06:00:00	-0.1
20.10.99 23:00	2.3	02/11/99 03:00:00	3.1	14/11/99 06:00:00	2.7	26/11/99 09:00:00	-0.1
21.10.99 02:00	2.3	02/11/99 06:00:00	2.7	14/11/99 09:00:00	2.3	26/11/99 12:00:00	-0.3
21.10.99 05:00	2.3	02/11/99 09:00:00	2.7	14/11/99 12:00:00	2.3	26/11/99 15:00:00	-0.3
21.10.99 08:00	2.3	02/11/99 12:00:00	3.5	14/11/99 15:00:00	1.9	26/11/99 18:00:00	-0.1
21.10.99 11:00	2.3	02/11/99 15:00:00	3.9	14/11/99 18:00:00	1.9	26/11/99 21:00:00	-0.1
21.10.99 14:00	2.3	02/11/99 18:00:00	3.9	14/11/99 21:00:00	3.5	26/11/99 24:00:00	-0.1
21.10.99 17:00	2.3	02/11/99 21:00:00	3.9	14/11/99 24:00:00	3.5	27/11/99 00:00:00	-0.6
21.10.99 20:00	2.7	02/11/99 24:00:00	3.9	15/11/99 00:00:00	1.9	27/11/99 03:00:00	-0.6
21.10.99 23:00	2.7	03/11/99 00:00:00	3.9	15/11/99 03:00:00	1.9	27/11/99 06:00:00	-0.6
22.10.99 02:00	2.7	03/11/99 03:00:00	3.9	15/11/99 06:00:00	1.5	27/11/99 09:00:00	-0.6
22.10.99 05:00	2.7	03/11/99 06:00:00	3.9	15/11/99 09:00:00	1.5	27/11/99 12:00:00	-0.6
22.10.99 08:00	2.7	03/11/99 09:00:00	4.3	15/11/99 12:00:00	1.5	27/11/99 15:00:00	-0.6
22.10.99 11:00	2.3	03/11/99 12:00:00	4.3	15/11/99 15:00:00	1.5	27/11/99 18:00:00	-0.6
22.10.99 14:00	2.7	03/11/99 15:00:00	4.3	15/11/99 18:00:00	0.7	27/11/99 21:00:00	-1.0
22.10.99 17:00	2.7	03/11/99 18:00:00	4.3	15/11/99 21:00:00	0.3	27/11/99 24:00:00	-1.0
22.10.99 20:00	2.7	03/11/99 21:00:00	4.3	16/11/99 00:00:00	-0.1	28/11/99 00:00:00	-0.6
22.10.99 23:00	2.7	04/11/99 00:00:00	4.3	16/11/99 03:00:00	-0.6	28/11/99 03:00:00	-0.6
23.10.99 02:00	2.7	04/11/99 03:00:00	4.3	16/11/99 06:00:00	-1.0	28/11/99 06:00:00	-1.0
23.10.99 05:00	2.7	04/11/99 06:00:00	4.3	16/11/99 09:00:00	-1.0	28/11/99 09:00:00	-1.0
23.10.99 08:00	3.1	04/11/99 09:00:00	3.5	16/11/99 12:00:00	-0.1	28/11/99 12:00:00	-1.0
23.10.99 11:00	2.7	04/11/99 12:00:00	4.3	16/11/99 15:00:00	0.3	28/11/99 15:00:00	-0.6
23.10.99 14:00	2.7	04/11/99 15:00:00	4.3	16/11/99 18:00:00	0.3	28/11/99 18:00:00	-0.6
23.10.99 17:00	2.7	04/11/99 18:00:00	4.3	16/11/99 21:00:00	0.3	28/11/99 21:00:00	-0.6
23.10.99 20:00	2.7	04/11/99 21:00:00	4.3	17/11/99 00:00:00	0.3	29/11/99 00:00:00	-0.6
23.10.99 23:00	2.7	05/11/99 00:00:00	3.9	17/11/99 03:00:00	0.3	29/11/99 03:00:00	-0.6
24.10.99 02:00	2.7	05/11/99 03:00:00	3.5	17/11/99 06:00:00	0.3	29/11/99 06:00:00	-0.6
24.10.99 05:00	2.7	05/11/99 06:00:00	3.1	17/11/99 09:00:00	0.3	29/11/99 09:00:00	-0.6
24.10.99 08:00	3.1	05/11/99 09:00:00	3.5	17/11/99 12:00:00	0.7	29/11/99 12:00:00	-0.6
24.10.99 11:00	3.1	05/11/99 12:00:00	3.9	17/11/99 15:00:00	0.7	29/11/99 15:00:00	-0.6
24/10/99 15:00:00	3.5	05/11/99 15:00:00	3.9	17/11/99 18:00:00	0.7	29/11/99 18:00:00	-0.6
24/10/99 18:00:00	3.5	05/11/99 18:00:00	3.9	17/11/99 21:00:00	0.3	29/11/99 21:00:00	-1.0
24/10/99 21:00:00	3.5	05/11/99 21:00:00	3.9	18/11/99 00:00:00	0.7	30/11/99 00:00:00	-1.0
25/10/99 03:00:00	3.5	06/11/99 00:00:00	3.9	18/11/99 03:00:00	0.7	30/11/99 03:00:00	-1.0
25/10/99 06:00:00	3.5	06/11/99 03:00:00	4.3	18/11/99 06:00:00	0.7	30/11/99 06:00:00	-1.0
25/10/99 09:00:00	3.5	06/11/99 06:00:00	4.3	18/11/99 09:00:00	0.7	30/11/99 09:00:00	-1.0
25/10/99 12:00:00	3.9	06/11/99 09:00:00	4.3	18/11/99 12:00:00	0.7	30/11/99 12:00:00	-1.0
25/10/99 15:00:00	3.9	06/11/99 12:00:00	4.3	18/11/99 15:00:00	1.1	30/11/99 15:00:00	-1.0
25/10/99 18:00:00	3.9	06/11/99 15:00:00	4.3	18/11/99 18:00:00	0.7	30/11/99 18:00:00	-1.0
25/10/99 21:00:00	3.9	06/11/99 18:00:00	4.3	18/11/99 21:00:00	0.3	30/11/99 21:00:00	-1.0
26/10/99 00:00:00	3.9	07/11/99 00:00:00	4.3	19/11/99 00:00:00	0.3	01/12/99 00:00:00	-1.0
26/10/99 03:00:00	3.9	07/11/99 03:00:00	4.3	19/11/99 03:00:00	-0.6	01/12/99 03:00:00	-2.2
26/10/99 06:00:00	3.9	07/11/99 06:00:00	4.3	19/11/99 06:00:00	-0.6	01/12/99 06:00:00	-2.2
26/10/99 09:00:00	3.9	07/11/99 09:00:00	4.3	19/11/99 09:00:00	-0.6	01/12/99 09:00:00	-1.8
26/10/99 12:00:00	3.9	07/11/99 12:00:00	4.6	19/11/99 12:00:00	-0.1	01/12/99 12:00:00	-1.0
26/10/99 15:00:00	3.9	07/11/99 15:00:00	4.6	19/11/99 15:00:00	-0.1	01/12/99 15:00:00	-0.6
26/10/99 18:00:00	3.9	07/11/99 18:00:00	4.6	19/11/99 18:00:00	-0.1	01/12/99 18:00:00	-0.6
26/10/99 21:00:00	3.9	07/11/99 18:00:00	4.6	19/11/99 18:00:00	-0.6	01/12/99 18:00:00	-0.6

Ranna 03, Messprotokoll (Datum / °C)

Ranna 03, Messprotokoll (Datum / °C)

Ranna 03, Messprotokoll (Datum / °C)

Ranna 03, Messprotokoll (Datum / °C)

Ranna 04, Messprotokoll (Datum / °C)

Ranna 04, Messprotokoll (Datum / °C)

Ranna 04, Messprotokoll (Datum / °C)

14.10.99 20:00	6.5	26/10/99 20:59:07	4.3	07/11/99 20:59:07	4.6	19/11/99 20:59:07	-1.4
14.10.99 23:00	6.9	26/10/99 23:59:07	4.3	07/11/99 23:59:07	4.3	19/11/99 23:59:07	-1.4
15.10.99 02:00	6.9	27/10/99 02:59:07	4.3	08/11/99 02:59:07	4.6	20/11/99 02:59:07	-1.8
15.10.99 05:00	6.9	27/10/99 05:59:07	4.6	08/11/99 05:59:07	4.6	20/11/99 05:59:07	-1.4
15.10.99 08:00	6.9	27/10/99 08:59:07	4.6	08/11/99 08:59:07	4.6	20/11/99 08:59:07	-1.4
15.10.99 11:00	6.9	27/10/99 11:59:07	4.6	08/11/99 11:59:07	4.6	20/11/99 11:59:07	-1.0
15.10.99 14:00	6.9	27/10/99 14:59:07	4.6	08/11/99 14:59:07	4.6	20/11/99 14:59:07	-1.8
15.10.99 17:00	6.9	27/10/99 17:59:07	4.6	08/11/99 17:59:07	4.6	20/11/99 17:59:07	-2.7
15.10.99 20:00	6.9	27/10/99 20:59:07	3.9	08/11/99 20:59:07	4.6	20/11/99 20:59:07	-4.0
15.10.99 23:00	5.4	27/10/99 23:59:07	3.5	08/11/99 23:59:07	4.6	20/11/99 23:59:07	-4.9
16.10.99 02:00	3.9	28/10/99 02:59:07	2.7	09/11/99 02:59:07	4.6	21/11/99 02:59:07	-5.3
16.10.99 05:00	2.7	28/10/99 05:59:07	2.3	09/11/99 05:59:07	4.6	21/11/99 05:59:07	-6.3
16.10.99 08:00	1.9	28/10/99 08:59:07	2.7	09/11/99 08:59:07	4.6	21/11/99 08:59:07	-6.3
16.10.99 11:00	4.3	28/10/99 11:59:07	3.9	09/11/99 11:59:07	4.6	21/11/99 11:59:07	-2.7
16.10.99 14:00	5.0	28/10/99 14:59:07	3.9	09/11/99 14:59:07	4.6	21/11/99 14:59:07	-1.8
16.10.99 17:00	5.0	28/10/99 17:59:07	4.3	09/11/99 17:59:07	4.6	21/11/99 17:59:07	-2.2
16.10.99 20:00	3.9	28/10/99 20:59:07	4.3	09/11/99 20:59:07	4.3	21/11/99 20:59:07	-1.8
16.10.99 23:00	3.1	28/10/99 23:59:07	4.3	09/11/99 23:59:07	3.9	21/11/99 23:59:07	-1.8
17.10.99 02:00	2.7	29/10/99 02:59:07	4.3	10/11/99 02:59:07	3.9	22/11/99 02:59:07	-2.2
17.10.99 05:00	1.1	29/10/99 05:59:07	4.3	10/11/99 05:59:07	3.9	22/11/99 05:59:07	-2.2
17.10.99 08:00	0.7	29/10/99 08:59:07	4.6	10/11/99 08:59:07	3.9	22/11/99 08:59:07	-1.8
17.10.99 11:00	4.3	29/10/99 11:59:07	4.6	10/11/99 11:59:07	4.3	22/11/99 11:59:07	-1.4
17.10.99 14:00	2.5	29/10/99 14:59:07	4.6	10/11/99 14:59:07	4.3	22/11/99 14:59:07	-1.8
17.10.99 17:00	3.5	29/10/99 17:59:07	4.6	10/11/99 17:59:07	3.5	22/11/99 17:59:07	-1.8
17.10.99 20:00	1.5	29/10/99 20:59:07	4.6	10/11/99 20:59:07	3.5	22/11/99 20:59:07	-1.8
17.10.99 23:00	1.1	29/10/99 23:59:07	4.3	10/11/99 23:59:07	3.5	22/11/99 23:59:07	-1.8
18.10.99 02:00	0.7	30/10/99 02:59:07	3.9	11/11/99 02:59:07	3.5	23/11/99 02:59:07	-1.4
18.10.99 05:00	0.7	30/10/99 05:59:07	3.9	11/11/99 05:59:07	3.1	23/11/99 05:59:07	-1.4
18.10.99 08:00	0.7	30/10/99 08:59:07	4.3	11/11/99 08:59:07	2.3	23/11/99 08:59:07	-1.0
18.10.99 11:00	2.3	30/10/99 11:59:07	4.6	11/11/99 11:59:07	3.9	23/11/99 11:59:07	-1.0
18.10.99 14:00	2.7	30/10/99 14:59:07	4.6	11/11/99 14:59:07	3.9	23/11/99 14:59:07	-1.0
18.10.99 17:00	2.7	30/10/99 17:59:07	4.6	11/11/99 17:59:07	3.9	23/11/99 17:59:07	-1.0
18.10.99 20:00	2.7	30/10/99 20:59:07	4.6	11/11/99 20:59:07	3.9	23/11/99 20:59:07	-0.6
18.10.99 23:00	1.9	30/10/99 23:59:07	4.3	12/11/99 02:59:07	3.9	23/11/99 23:59:07	-0.6
19.10.99 02:00	1.9	31/10/99 02:59:07	4.6	12/11/99 05:59:07	3.5	24/11/99 02:59:07	-0.6
19.10.99 05:00	1.5	31/10/99 05:59:07	4.6	12/11/99 08:59:07	3.9	24/11/99 05:59:07	-0.6
19.10.99 08:00	1.1	31/10/99 08:59:07	4.6	12/11/99 11:59:07	3.9	24/11/99 11:59:07	-0.8
19.10.99 11:00	2.3	31/10/99 11:59:07	4.6	12/11/99 14:59:07	3.9	24/11/99 14:59:07	-0.6
19.10.99 14:00	2.7	31/10/99 14:59:07	5.0	12/11/99 17:59:07	3.9	24/11/99 17:59:07	-0.6
19.10.99 17:00	2.7	31/10/99 17:59:07	4.6	12/11/99 20:59:07	3.9	24/11/99 20:59:07	-0.6
19.10.99 20:00	2.3	31/10/99 20:59:07	3.9	12/11/99 23:59:07	3.5	24/11/99 23:59:07	-0.6
19.10.99 23:00	0.7	31/10/99 23:59:07	2.7	13/11/99 02:59:07	3.5	25/11/99 02:59:07	-0.6
20.10.99 02:00	0.3	01/11/99 02:59:07	1.5	13/11/99 05:59:07	3.1	25/11/99 05:59:07	-0.6
20.10.99 05:00	-0.1	01/11/99 05:59:07	0.7	13/11/99 08:59:07	3.5	25/11/99 08:59:07	-0.6
20.10.99 08:00	-0.1	01/11/99 08:59:07	1.1	13/11/99 11:59:07	3.9	25/11/99 11:59:07	-0.6
20.10.99 11:00	1.5	01/11/99 11:59:07	3.1	13/11/99 14:59:07	3.5	25/11/99 14:59:07	-0.6
20.10.99 14:00	1.9	01/11/99 14:59:07	3.5	13/11/99 17:59:07	3.1	25/11/99 17:59:07	-0.6
20.10.99 17:00	2.3	01/11/99 17:59:07	3.1	13/11/99 20:59:07	2.7	25/11/99 20:59:07	-0.6
20.10.99 20:00	1.9	01/11/99 20:59:07	3.1	13/11/99 23:59:07	2.7	25/11/99 23:59:07	-0.6
20.10.99 23:00	1.1	01/11/99 23:59:07	2.7	14/11/99 02:59:07	2.3	26/11/99 02:59:07	-0.6
21.10.99 02:00	1.1	02/11/99 02:59:07	2.3	14/11/99 05:59:07	1.9	26/11/99 05:59:07	-0.6
21.10.99 05:00	1.5	02/11/99 05:59:07	1.9	14/11/99 08:59:07	1.5	26/11/99 08:59:07	-0.6
21.10.99 08:00	1.9	02/11/99 08:59:07	2.7	14/11/99 11:59:07	1.5	26/11/99 11:59:07	-0.6
21.10.99 11:00	2.3	02/11/99 11:59:07	3.5	14/11/99 14:59:07	1.5	26/11/99 14:59:07	-0.6
21.10.99 14:00	2.3	02/11/99 14:59:07	3.5	14/11/99 17:59:07	1.5	26/11/99 17:59:07	-0.6
21.10.99 17:00	2.3	02/11/99 17:59:07	3.5	14/11/99 20:59:07	1.5	26/11/99 20:59:07	-0.6
21.10.99 20:00	2.3	02/11/99 20:59:07	3.9	14/11/99 23:59:07	1.1	26/11/99 23:59:07	-1.0
21.10.99 23:00	2.3	02/11/99 23:59:07	3.9	15/11/99 02:59:07	1.1	27/11/99 02:59:07	-0.6
22.10.99 02:00	2.3	03/11/99 02:59:07	3.9	15/11/99 05:59:07	1.1	27/11/99 05:59:07	-0.6
22.10.99 05:00	2.3	03/11/99 05:59:07	3.9	15/11/99 08:59:07	0.7	27/11/99 08:59:07	-1.4
22.10.99 08:00	1.9	03/11/99 08:59:07	3.9	15/11/99 11:59:07	1.5	27/11/99 11:59:07	-0.6
22.10.99 11:00	2.7	03/11/99 11:59:07	4.3	15/11/99 14:59:07	0.3	27/11/99 14:59:07	-0.6
22.10.99 14:00	2.7	03/11/99 14:59:07	4.3	15/11/99 17:59:07	-0.6	27/11/99 17:59:07	-1.0
22.10.99 17:00	2.7	03/11/99 17:59:07	4.3	15/11/99 20:59:07	-1.0	27/11/99 20:59:07	-1.8
22.10.99 20:00	2.7	03/11/99 20:59:07	4.3	15/11/99 23:59:07	-1.0	27/11/99 23:59:07	-1.0
22.10.99 23:00	2.3	03/11/99 23:59:07	4.3	16/11/99 02:59:07	-1.4	28/11/99 02:59:07	-1.4
23.10.99 02:00	2.3	04/11/99 02:59:07	4.3	16/11/99 05:59:07	-2.2	28/11/99 05:59:07	-1.8
23.10.99 05:00	2.3	04/11/99 05:59:07	4.3	16/11/99 08:59:07	-1.8	28/11/99 08:59:07	-1.8
23.10.99 08:00	2.7	04/11/99 08:59:07	4.3	16/11/99 11:59:07	-1.0	28/11/99 11:59:07	-1.0
23.10.99 11:00	2.7	04/11/99 11:59:07	4.6	16/11/99 14:59:07	-0.6	28/11/99 14:59:07	-1.0
23.10.99 14:00	2.7	04/11/99 14:59:07	4.6	16/11/99 17:59:07	-0.6	28/11/99 17:59:07	-1.0
23.10.99 17:00	3.1	04/11/99 17:59:07	4.6	16/11/99 20:59:07	-0.1	28/11/99 20:59:07	-0.6
23.10.99 20:00	3.1	04/11/99 20:59:07	4.3	16/11/99 23:59:07	-0.1	28/11/99 23:59:07	-0.6
23.10.99 23:00	3.1	04/11/99 23:59:07	3.1	17/11/99 02:59:07	-0.1	29/11/99 02:59:07	-0.6
24.10.99 02:00	3.1	05/11/99 02:59:07	2.7	17/11/99 05:59:07	-0.1	29/11/99 05:59:07	-1.0
24.10.99 05:00	3.1	05/11/99 05:59:07	2.3	17/11/99 08:59:07	-0.1	29/11/99 08:59:07	-1.0
24.10.99 08:00	3.1	05/11/99 08:59:07	3.5	17/11/99 11:59:07	-0.1	29/11/99 11:59:07	-0.6
24.10.99 11:00	3.5	05/11/99 11:59:07	3.9	17/11/99 14:59:07	-0.1	29/11/99 14:59:07	-0.6
24/10/99 14:59:07	3.5	05/11/99 14:59:07	3.9	17/11/99 17:59:07	-0.1	29/11/99 17:59:07	-1.0
24/10/99 17:59:07	3.5	05/11/99 17:59:07	3.9	17/11/99 20:59:07	-0.6	29/11/99 20:59:07	-1.8
24/10/99 20:59:07	3.9	06/11/99 02:59:07	4.6	18/11/99 02:59:07	-1.8	30/11/99 02:59:07	-2.7
25/10/99 02:59:07	3.9	06/11/99 02:59:07	4.3	18/11/99 05:59:07	0.3	30/11/99 05:59:07	-1.8
25/10/99 08:59:07	3.9	06/11/99 08:59:07	4.3	18/11/99 08:59:07	0.3	30/11/99 08:59:07	-1.8
25/10/99 11:59:07	3.9	06/11/99 11:59:07	4.3	18/11/99 11:59:07	0.7	30/11/99 11:59:07	-1.4
25/10/99 14:59:07	3.9	06/11/99 14:59:07	4.3	18/11/99 14:59:07	0.7	30/11/99 14:59:07	-1.4
25/10/99 17:59:07	3.9	06/11/99 17:59:07	4.6	18/11/99 17:59:07	-0.1	30/11/99 17:59:07	-1.0
25/10/99 20:59:07	3.9	06/11/99 20:59:07	4.6	18/11/99 20:59:07	-0.6	30/11/99 20:59:07	-1.8
25/10/99 23:59:07	3.9	06/11/99 23:59:07	4.6	18/11/99 23:59:07	-0.6	30/11/99 23:59:07	-2.7
26/10/99 02:59:07	3.9	07/11/99 02:59:07	4.6	19/11/99 02:59:07	-1.8	01/12/99 02:59:07	-3.1
26/10/99 05:59:07	4.3	07/11/99 05:59:07	4.6	19/11/99 05:59:07	-1.4	01/12/99 05:59:07	-2.7
26/10/99 08:59:07	4.3	07/11/99 08:59:07	4.6	19/11/99 08:59:07	-1.4	01/12/99 08:59:07	-1.8
26/10/99 11:59:07	4.3	07/11/99 11:59:07	4.6	19/11/99 11:59:07	-0.6	01/12/99 11:59:07	-1.0
26/10/99 14:59:07	4.3	07/11/99 14:59:07	4.6	19/11/99 14:59:07	-0.6	01/12/99 14:59:07	-1.0
26/10/99 17:59:07	4.3	07/11/99 17:59:07	4.6	19/11/99 17:59:07	-0.1	01/12/99 17:59:07	-1.0
26/10/99 20:59:07	4.3	07/11/99 20:59:07	4.6	19/11/99 20:59:07	-0.6	01/12/99 20:59:07	-1.8
26/10/99 23:59:07	4.3	07/11/99 23:59:07	4.6	19/11/99 23:59:07	-0.6	01/12/99 23:59:07	-2.7
27/10/99 02:59:07	4.3	07/11/99 23:59:07	4.6	19/11/99 23:59:07	-0.1	01/12/99 23:59:07	-1.0
27/10/99 05:59:07	4.3	07/11/99 02:59:07	4.3	20/11/99 02:59:07	-1.8	01/12/99 05:59:07	-3.1
27/10/99 08:59:07	4.3	07/11/99 05:59:07	4.3	20/11/99 05:59:07</td			

Ranna 04, Messprotokoll (Datum / °C)

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