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INFLUENCE OF LIGHT AND PHOSPHORUS ON GROWTH AND COLOUR OF LETTUCE

Project 2219

Confidential

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1. INTRODUCTION

A new product has to be produced by Herba (part of Swedeponic). This is red coloured mini lettuce for fresh mixed lettuce for a UK supermarket.

Two trials were conducted to find out how irrigation frequency, light and phosphorus affects the growth, firmness and colour of lettuce. In the second trial lower temperatures were chosen than in the first one in order to achieve a more firm plant.

To compare the light intensities measured in the trials, also light intensities were measured on the nursery of Herba. Data of the light intensities at Herba are given in appendix 1.

The climate outside during the trials has been compared with the average (appendix 2).

2. TRIAL 1, EFFECT OF LIGHT AND IRRIGATION FREQUENCY

2.1. TREATMENTS AND GENERAL DATA

Treatments were irrigation frequency:

1. Irrigation in the beginning of the experiment (until 11.12.97) was ones per 2 days and after 11.12.97 onces per day between 11.00 and 12.00 h irrigation for 30 minutes.
2. Irrigation three times a day at 0.00, 8.00 and 16.00 h for 15 minutes each

Other treatments: light intensity. In a compartment of 93 m² in the middle the light intensity was high and to the outside it was lower.

For a better germination, the first days from planting the pots were watered from the top with rain water. The rest of the irrigation was with NFT.

Plants were: Kimura (Lollo Bionda), Loretta, Raisa (oak lettuce). These plants were in three gullies in the middle of the 12 tables. There were 10 seeds per pot, with upper diameter of 6,5 cm, a height of 8 cm, and a distance in the gully of 10 cm. On each table there was a side row gully with different herbs. A gully contained 22 - 23 plants. Gullies were from Herba.

Sowing date: 25.11.97 (day 0)

Planting date: 27.11.97

Temperature for heating were: 17/10 °C (day/night). Day started at 3 hours before sunrise, increase in temperature was 1 °C per 30 minutes. Night started at sunset, decrease in temperature was 1 °C per 15 minutes.

Temperatures for ventilation were 0,5 °C above the heating temperatures. Artificial lighting was from 0.00 until 18.00 hours.

From planting the gullies were close to each other. On 11.12.97 gullies were put on a distance of 16 cm. On 17.12.97 all gullies were put on a distance of 22 cm (end distance).

End of the experiment: 22.12.98 (day 27). On each gully on 3 places 3 pots were harvested for fresh weight determination. Plants of the experiment and from the side rows were harvested by Tom Venderbosch and were sent to the UK.

After 22.12.98 the temperatures were lowered to 12/4 °C (day/night).

2.2. CLIMATE AND NUTRITION

The light intensities are given in appendix 3 .

The temperatures (based on data per minute) are given in appendix 4. All the data (averaged per 30 minutes) are given in appendix 5.

The element contents of the nutrient solution at the start and at the end of the trial are given in appendix 6.

2.3. GROWTH AND COLOUR.

Relations between licht intensity and plant weight per pot are given in figures 1 - 4. Until the highest light intensity still the plant weight increases.

Figure 1. Relationship between light intensity and plant weight on 22.12.97.

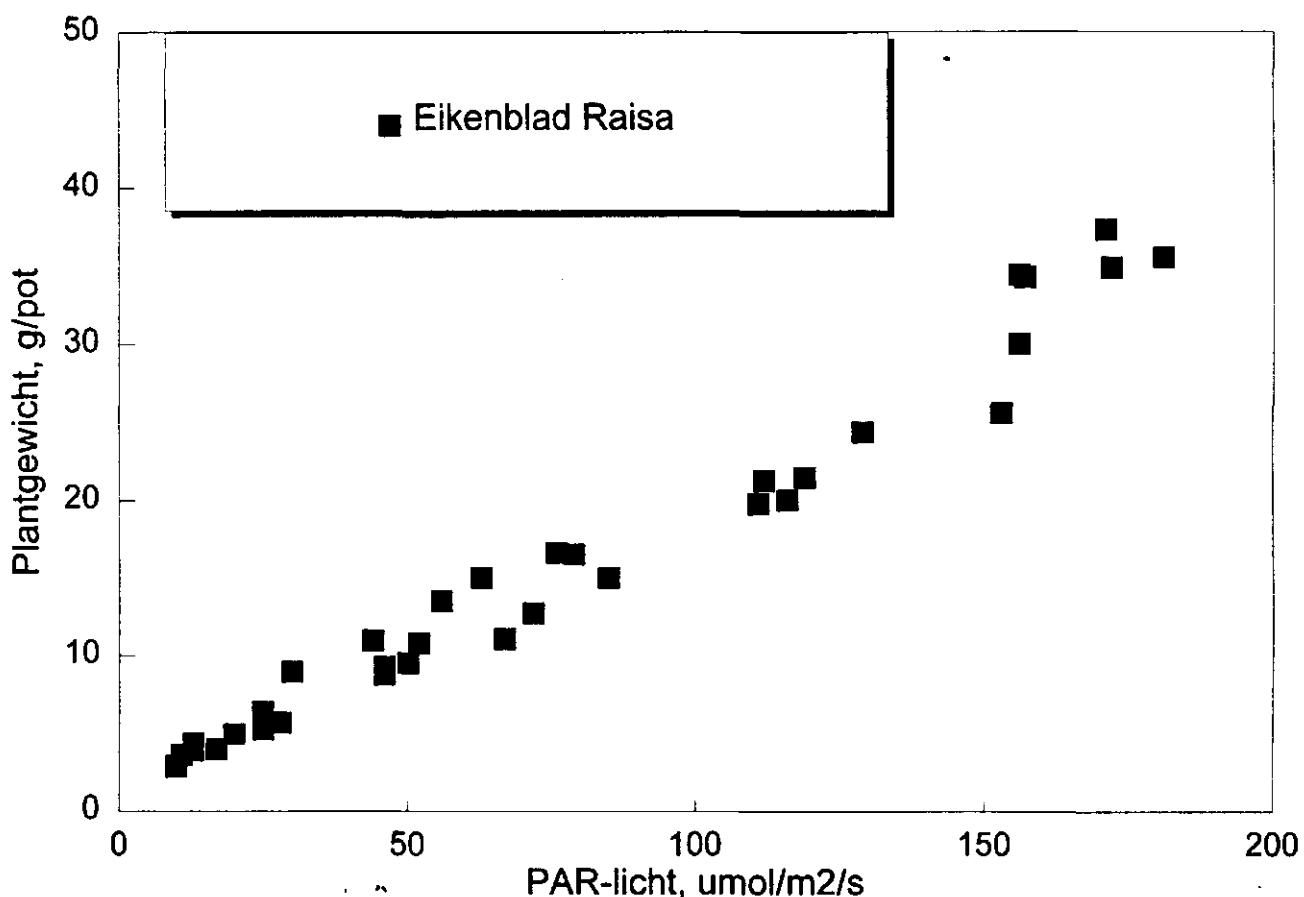


Figure 2. Relationship between light intensity and plant weight on 22.12.97.

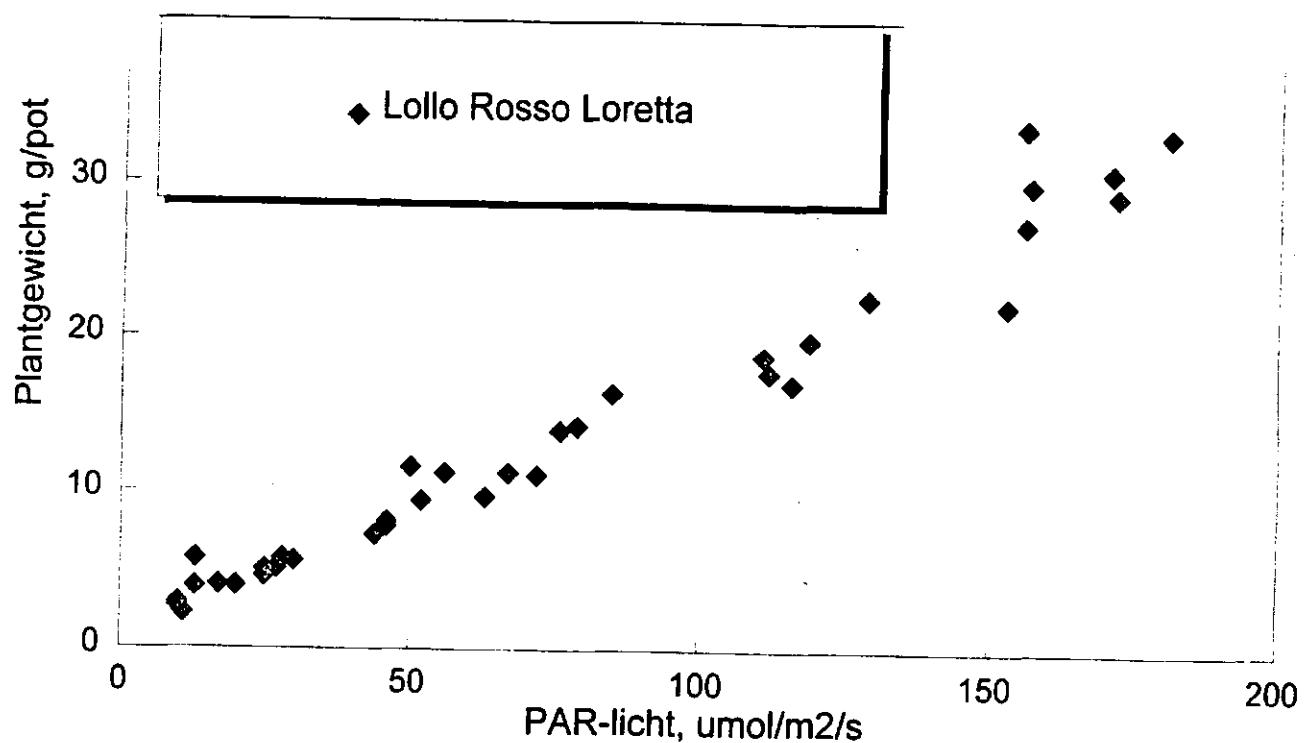


Figure 3. Relationship between light intensity and plant weight on 22.12.97.

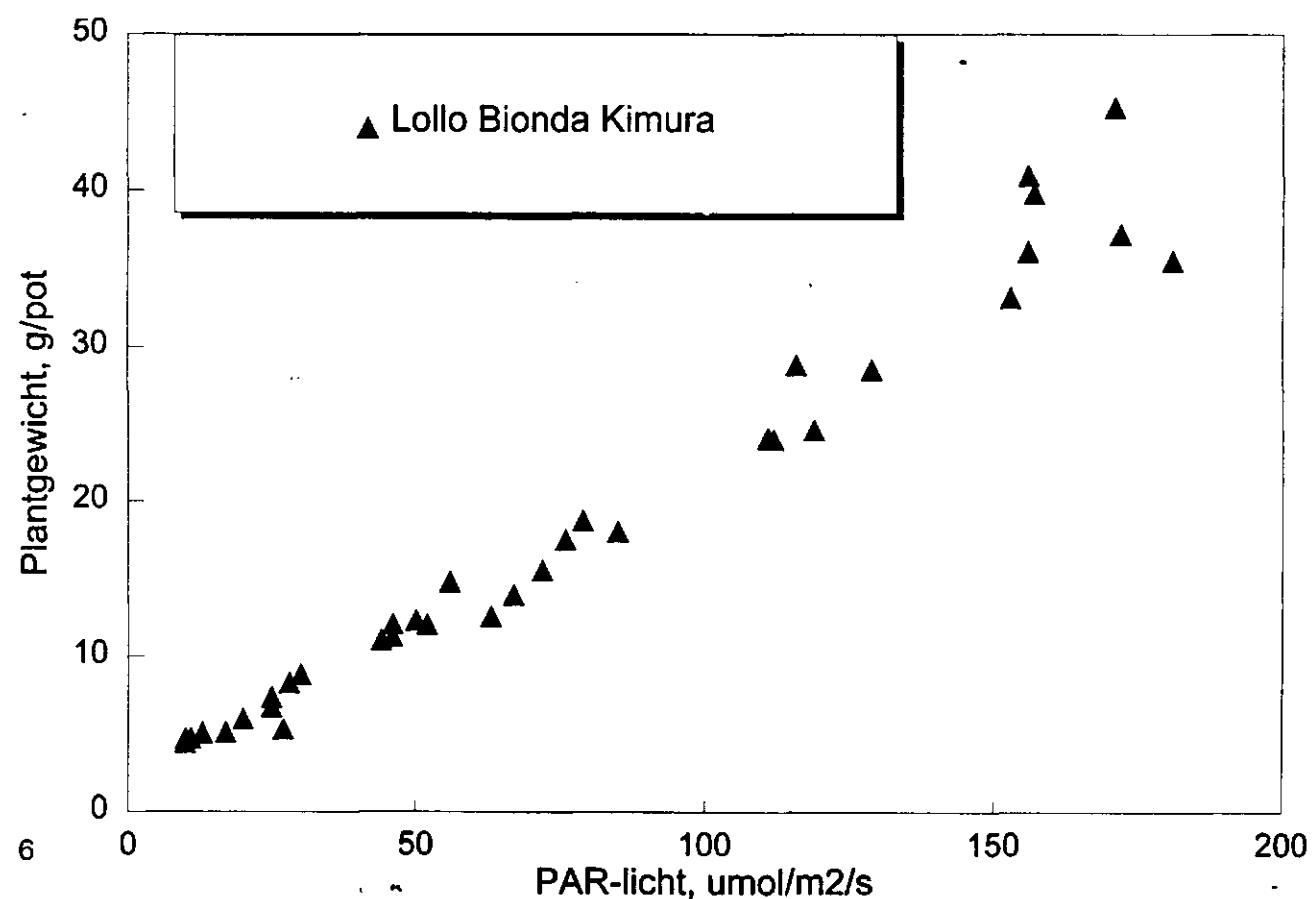
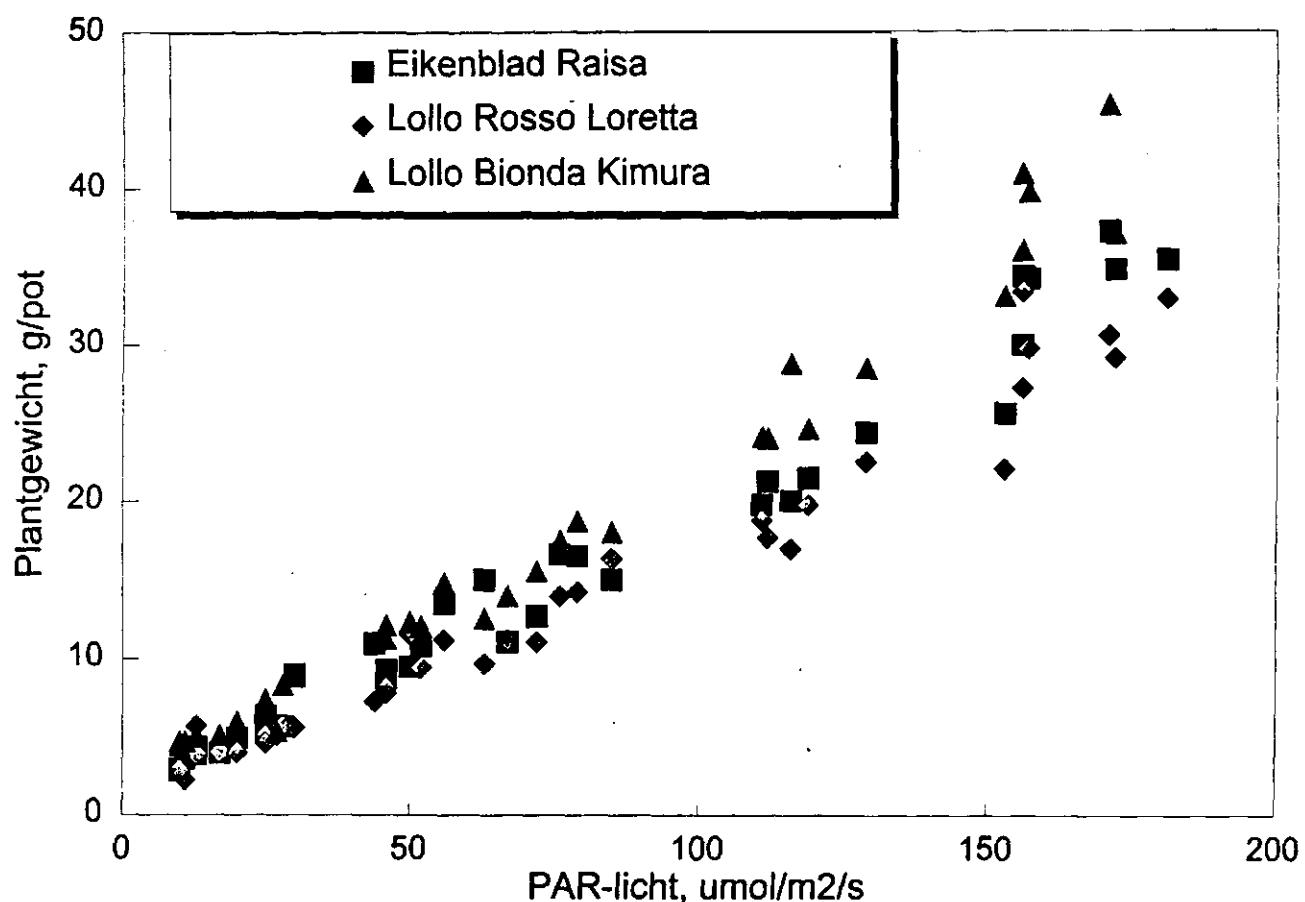


Figure 4. Relationship between light intensity and plant weight on 22.12.97.



The colour of Loretta was darker than of Raisa. The colour was strongly affected by the light intensity. Under higher light intensity the colour was darker (more red) than under low light intensity.

The irrigation frequency had no effect on plant weight and colour. This could be caused by the fact that in both irrigation frequencies there was never a shortage of water.

Plants were not firm. This was assumed to be caused by the high temperatures. The firmness was not increased due to a higher light intensity.

The lowering of the temperature after harvest on 22.12.98 did not increase the firmness (after the final harvest spare plants were followed for about 3 weeks). The low temperature increased the red colour of the Raisa. However this was only a marginal effect and was only seen under the high light intensity.

3. TRIAL 2, EFFECT OF PHOSPHORUS

3.1. TREATMENTS AND GENERAL DATA

Phosphorus level in the potting soil was:

- A. Zero
- B. 7.2 g P per m³ potting soil (20 % of standard)
- C. 14.4 g P per m³ potting soil (40 % of standard)
- D. 21.6 g P per m³ potting soil (60 % of standard)
- E. 36.0 g P per m³ potting soil (100 % = standard soil for Herba)

Potting soil A-D were prepared in Naaldwijk from Finnpeat PP03 and E was the standard from Herba. Chemical analysis of the potting soil are given in appendix 7.

P-level in the circulating solution was

- 1. 0.25 mmol/l until 18.2.98, afterwards zero. (On 18.2.98 no visual effect of the P levels in the circulating solution. Therefore it was decided to lower the P-content. The low P solution was pumped into the high P-tank and the low P tank was prepared without P).
- 2. 0.5 mmol/l until 18.2.98, afterwards 0.25 mmol/l

Plants were : 2823 (oak lettuce), Loretta and ROS 902 (20 seeds per pot)

In the side tables chive and dille were planted (appendix 8).

Sowing date: 15.1.98

Planting date: 16.1.98

Low temperatures were chosen in order to get a dark colour and a firm plant. Temperatures were 13/5 and after 29.1.98 it was increased (the growth was considered as too slow and probably no effect of P could be seen) to 15/5 °C (day/nacht). Ventilation was at 0.5 °C above set point for heating. Day started at 3 hours before sunrise, increase in temperature was 1 °C per 30 minutes. It takes 5 hours to increase the temperature from the night to the day. Night started at sunset, immediately.

Artificial lighting was between 0.00 and 18.00 h. Light intensity was unequal distributed on the tables and varied from place to place with a minimum of 37 and a maximum of 83 $\mu\text{mol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$; most values were between 50 and 70 with an average of 60 $\mu\text{mol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$ (number of measurements is 24).

For germination in the first days, plants were watered from the top with rain water. Later on, irrigation was from the bottom with NFT, in the beginning ones per day and later on two times a day during 15 minutes at 8.00 and 12.00 hours, depending on the demand. There was never a water shortage.

On 25.2.98 Tom Venderbosch sent plants to UK. On 25.2.98 plants were on the right length for harvest. However on that date no labour was available for the measurements. Fresh weights of 10 pots per gully were determined on 27.2.98. On that date artificial lighting was stopped. On 3.3.98 artificial lighting started again and on 06.03.98 of two tables with 2823 the fresh

weights were determined again of 5 pots per gully.

After harvest plants were put in the gullies again to see the regrowth. The regrowth was disappointed. Some plants died and the new formed leaves were ugly. It is possible that a higher cut of the leaves increases the regrowth.

3.2. CLIMATE AND NUTRITION

Temperatures based on data per minute are given in appendix 9. All the other data averaged per 30 minutes are given in appendix 10.

The element contents of the nutrient solution at the start and at the end of the trial are given in appendix 6.

3.3. GROWTH AND COLOUR

On 3.2.98 the effect of P in the potting soil was seen in 2823. A low P level in the potting soil gave less growth. On that date the colour was not different between the treatments. 2823 gave the fastest growth.

On 16.2.98 still there was no visual effect of P on ROS 902 and Loretta. On 23.2.98 the 2823 gave a more red colour at low P level, both in the potting soil and in the circulating solution.

On 25.2.98 large effects of P level (both in the potting soil and in the circulating solution) were seen in the three tested plants.

Table 1. Plant weights on 27.2.98

Plant	P in solution	Plant weight, g per pot				
		A	B	C	D	E
2823	low	14.9	18.8	22.4	31.0	34.7
2823	high	22.9	27.2	32.2	38.5	40.4
Loretta	low	12.8	15.1	20.9	20.5	21.9
Loretta	high	22.0	23.4	27.5	27.1	30.4
Ros 902	low	12.7	16.9	20.4	21.7	23.6
Ros 902	high	20.6	23.8	23.5	24.9	27.1

Table 2. Plant length on 27.2.98

Plant	P in solution	Plant length, cm				
		A	B	C	D	E
2823	low	9.8	11.3	12.0	14.3	14.3
2823	high	12.2	13.9	14.9	16.1	15.2
Loretta	low	7.3	7.7	8.9	9.4	9.1
Loretta	high	9.5	9.9	10.5	10.7	10.8
Ros 902	low	7.0	8.7	9.4	10.6	9.9
Ros 902	high	10.0	10.4	11.0	11.3	10.8

Table 3. Plant weight on 6.3.98

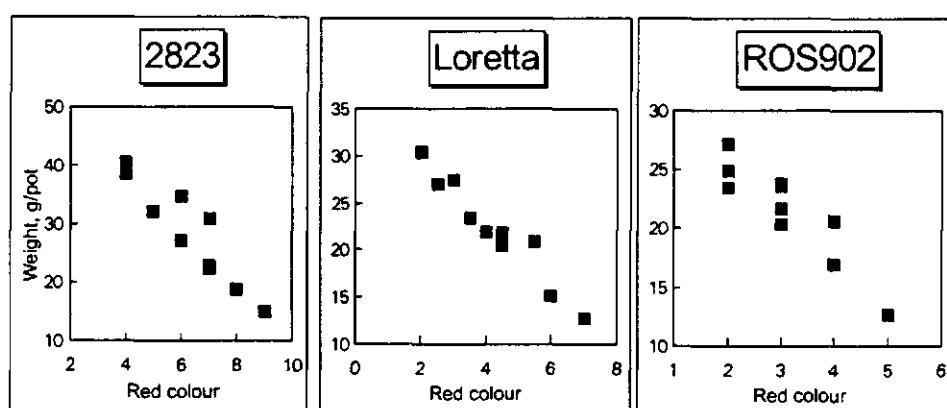
Plant	P in solution	Plant weight, g/pot				
		A	B	C	D	E
2823	low	19.9	23.3	30.1	41.3	44.2
2823	high	36.5	40.1	44.9	51.2	66.4

Table 4. Visual colour assessment on 27.2.98 on a scale 0 = green, 10 = extremely red.

Plant	P in sol	Colour				
		A	B	C	D	E
2823	low	9	8	7	7	6
2823	high	7	6	5	4	4
Loretta	low	7	6	5.5	4.5	4.5
Loretta	high	4	3.5	3	2.5	2
Ros 902	low	5	4	3	3	3
Ros 902	high	4	3	2	2	2

The relationships between visual assessment and growth are given in figure 5

Figure 5. Relationship between visual assesment (0 = green; 10 = extremely red) and plant weight.



4. CONCLUSION

Trial 1.

- A). Growth increased linearly between a light intensity of 20 to 180 $\mu\text{mol.m}^{-2}.\text{s}^{-1}$ (PAR). Since the light intensity on Herba was between 60 - 86 $\mu\text{mol.m}^{-2}.\text{s}^{-1}$, the growth can be increased in the practical situation.
- B). A higher light intensity increased highly the red colour of the lettuce.
- C). Plants were not firm. A higher light intensity did not increase the firmness of the plant.
- D). The growth was faster than expected due to a high temperature.
- E). The irrigation frequency did not affect the plant weight and the colour. This could be caused by the fact that there was never a shortage of water.

Trial 2.

- A). It was possible to increase the red colour of lettuce with a low P supply. However this low P supply decreased the growth. To achieve a beautiful red colour the decrease in production was about 50 % as compared to the standard.
- B). The effect of the low P supply on the colour was only visible in the last week before harvest.
- C). Germination and growth was slow caused by the low temperature.
- D). The low temperature did not increase the firmness of the plants.

APPENDIX 1

Lichtintensiteit kwekerij Herba

Inleiding

Om de omstandigheden van de proef met mini-sla op het PBG te kunnen vergelijken met de omstandigheden op kwekerij Herba werden lichtmetingen gedaan.

Tijdstip: 31 december 1997, 8.30 tot 9.30 (geen invloed van zonlicht)

Apparatuur: lichtmeter van PBG, die groeilicht meet in het traject 400 - 700 nm

Voor hogedruk natrium lampen komt $1 \mu\text{mol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$ overeen met 82 lux.

Er is gemeten in een lijn vlakbij het inpakken en er is vanuit de paden onder en tussen de lampen gemeten. Er is steeds gemeten op 5 - 20 cm boven de potrand.

Resultaten

Lichtintensiteit in $\mu\text{mol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$

L = lamp

Noordzijde is naar boven in de dwarsopstelling.

Lijn 2 - oude lampen, bij inpakken						
L		L		L		L
73	69	70	-	78	73	85

Lijn 3 - nieuwe lampen, hoge lichtintensiteit, bij inpakken						
L		L		L		L
81	83	83	82	86	80	86

Lijn 4 - bij inpakken						
L		L		L		L
82	72	77	74	79	74	81

Waarnemingen vanaf pad tussen lijn 1 en 2, lopend in de richting naar de nursery:

lijn 1	lijn 1	lijn2	lijn2
tussen lamp	onder lamp	tussen lamp	onder lamp
56	61	61	68
50	55	54	63
52	58	56	56

		47	53
57	62	58	65

nursery 1	nursery 1	nursery 3	nursery 3
tussen lamp	onder lamp	tussen lamp	onder lamp
64	69	76	77
61	62	80	82
	69		
	70		
	66		

In de richting van de gotten (dwars).

nursery 2						
L		L		L		L
73	63	73	68	76	72	75

Waarnemingen vanaf pad tussen lijn 3 en 4, gemeten in de richting lopend naar inpakken:

lijn 3	lijn3	lijn4	lijn4
tussen lamp	onder lamp	tussen lamp	onder lamp
63	65	66	68
54	59	54	54
62	65	63	62
59	60	61	65

Lijn 3 - nieuwe lampen, hoge lichtintensiteit, bij inpakken						
L		L		L		L
81	80	85	80	90	82	89

Op robot direct onder lampen in lijn 2

Oude lampen : 601, 562, 670

Nieuwe lampen: 686, 713, 724

Scherm open of dicht maakte niet uit.

C. de Kreij, dd 5-1-98

Appendix 2. The weather during trial 1.

Dagwaarden.

2 Gemiddelde temperatuur
 3 Maximum temperatuur
 4 Minimum temperatuur
 9 Stralingssom (J/cm²)

	Opgegeven tijd.				gem. van de laatste jaren			
	2	3	4	9		27	8	8
27-11-1997	6.3	8.0	5.1	82.0	6.4	7.8	4.7	182.1
28-11-1997	9.1	10.4	7.8	69.9	5.8	8.3	3.4	214.0
29-11-1997	10.3	12.9	8.8	332.2	5.3	8.7	3.0	260.2
30-11-1997	8.8	10.0	7.2	114.5	4.8	7.4	3.9	204.3
01-12-1997	5.9	7.8	4.0	181.5	4.3	7.6	3.1	232.4
02-12-1997	4.1	6.5	2.7	133.9	5.4	8.5	4.0	184.4
03-12-1997	3.9	8.0	1.1	328.0	5.7	8.3	4.2	230.1
04-12-1997	2.9	4.4	-0.4	108.0	5.9	8.4	4.3	172.3
05-12-1997	4.3	8.3	0.0	163.7	6.0	7.9	3.6	214.9
06-12-1997	5.4	8.8	2.7	91.9	5.5	7.2	3.3	208.1
07-12-1997	4.7	8.4	2.7	173.2	5.5	7.2	3.0	205.8
08-12-1997	6.7	9.7	3.2	75.1	6.0	7.5	2.5	168.9
09-12-1997	9.9	11.8	8.1	227.9	5.8	6.5	2.4	206.2
10-12-1997	11.4	12.9	10.2	41.8	5.5	5.6	1.8	177.0
11-12-1997	11.9	13.9	9.5	243.1	6.0	7.7	3.3	160.3
12-12-1997	9.1	10.4	7.3	161.6	5.5	7.9	4.5	165.3
13-12-1997	8.6	10.4	6.8	220.3	5.7	8.3	3.5	163.7
14-12-1997	7.7	10.0	4.6	288.4	5.3	7.2	2.7	186.3
15-12-1997	2.8	4.4	0.1	129.6	4.9	5.5	1.7	177.5
16-12-1997	-2.0	0.3	-4.3	216.5	4.6	5.8	1.3	162.7
17-12-1997	-2.8	1.6	-5.4	102.2	4.5	6.0	1.7	146.0
18-12-1997	4.7	8.1	1.1	107.5	5.1	8.3	4.2	164.8
19-12-1997	7.6	11.0	4.4	60.2	5.5	9.3	4.4	149.5
20-12-1997	6.6	10.4	4.0	285.5	5.5	7.5	3.0	146.7
21-12-1997	4.5	5.2	3.5	92.1	4.9	5.6	1.9	179.9
22-12-1997	3.4	4.1	2.3	76.9	5.1	7.6	2.7	133.2

Appendix 2. The weather during trial 2.

Dagwaarden.

2 Gemiddelde temperatuur
 3 Maximum temperatuur
 4 Minimum temperatuur
 9 Stralingssom
 (J/cm²)

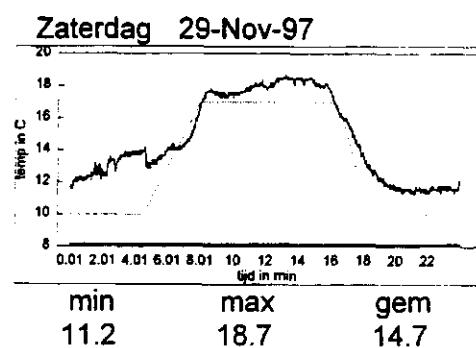
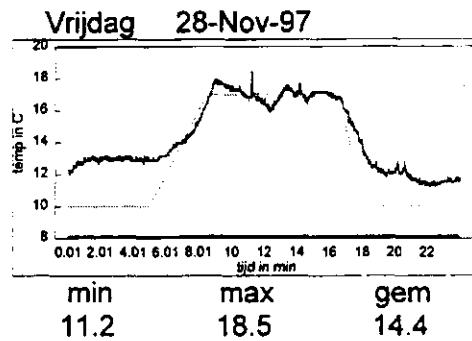
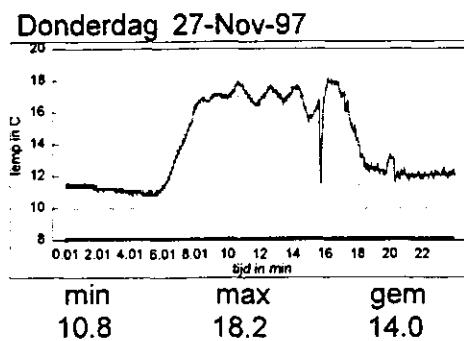
	Opgegeven tijd.				gem. van de laatste jaren			
	2	3	4	9	27	8	8	27
16-01-1998	7.9	9.4	6.4	122.3	4.1	8.3	3.2	239.0
17-01-1998	8.1	10.2	6.5	227.5	3.6	8.1	3.0	254.6
18-01-1998	6.0	7.8	4.6	61.7	2.9	7.0	3.5	271.2
19-01-1998	6.3	8.1	2.3	222.1	3.4	6.7	2.9	216.4
20-01-1998	4.8	6.7	2.2	201.1	3.7	7.3	2.9	199.5
21-01-1998	1.6	5.6	-1.1	455.0	4.1	6.7	3.2	213.4
22-01-1998	-0.4	2.8	-2.3	433.9	4.4	7.7	2.8	207.7
23-01-1998	0.5	2.5	-1.6	90.2	4.4	6.7	2.9	247.8
24-01-1998	4.2	6.7	2.3	467.8	4.4	6.3	2.0	253.3
25-01-1998	1.9	3.3	-0.1	403.6	4.2	6.5	0.7	209.9
26-01-1998	0.5	3.5	-1.1	595.4	4.1	5.2	1.1	288.1
27-01-1998	2.0	4.9	-0.6	451.1	4.4	5.8	1.2	309.8
28-01-1998	5.2	7.8	4.0	176.1	4.1	6.3	1.1	313.2
29-01-1998	5.8	9.5	4.0	454.4	4.0	6.1	1.7	319.0
30-01-1998	6.2	8.3	3.8	161.1	3.6	5.9	1.8	368.5
31-01-1998	2.0	6.5	-2.8	676.6	3.6	5.7	1.5	375.3
01-02-1998	-2.9	0.1	-5.4	492.0	3.2	5.6	1.1	320.2
02-02-1998	2.1	7.5	-4.1	292.5	3.4	5.6	1.3	343.8
03-02-1998	4.7	8.4	1.9	681.6	3.8	5.8	1.2	334.9
04-02-1998	5.3	8.3	2.3	648.9	3.7	6.3	1.9	349.8
05-02-1998	7.4	11.0	4.3	445.9	4.5	6.7	2.6	402.2
06-02-1998	7.1	8.3	5.4	144.5	4.7	7.5	2.1	361.8
07-02-1998	5.9	9.5	3.0	501.1	4.3	6.7	2.3	336.5
08-02-1998	6.2	8.1	3.5	444.1	3.9	6.4	1.4	381.4
09-02-1998	6.8	11.2	3.6	721.8	3.8	6.2	1.3	428.5
10-02-1998	7.4	12.6	4.0	623.9	3.9	6.7	2.7	446.9
11-02-1998	9.6	12.9	7.2	676.3	4.3	6.7	3.4	428.9
12-02-1998	9.3	11.6	7.5	386.0	4.4	8.0	3.0	424.1
13-02-1998	11.3	15.2	8.9	675.5	3.7	7.3	1.9	507.0
14-02-1998	10.7	15.6	8.0	768.7	2.8	5.6	1.4	541.1
15-02-1998	11.5	16.3	8.8	640.8	2.6	7.4	1.7	410.4
16-02-1998	10.4	13.2	7.8	590.5	3.0	8.1	3.1	584.3
17-02-1998	7.4	10.0	5.4	522.6	3.1	7.6	3.0	498.3
18-02-1998	7.8	12.4	4.1	863.0	3.5	7.6	3.2	473.3
19-02-1998	8.9	11.6	6.7	609.9	3.2	7.9	1.9	559.2
20-02-1998	12.0	15.6	9.2	815.2	3.2	7.0	3.2	544.9
21-02-1998	10.4	12.9	8.8	160.4	3.9	7.0	2.0	567.3
22-02-1998	7.7	9.2	5.9	483.5	4.3	7.8	2.3	581.5
23-02-1998	8.0	10.8	5.2	708.9	4.6	8.5	3.5	642.7
24-02-1998	9.4	11.5	8.4	517.6	4.6	9.0	4.4	607.3
25-02-1998	9.6	11.6	8.3	245.5	4.5	9.3	5.2	530.2
26-02-1998	8.9	10.5	7.6	153.4	4.2	9.3	4.2	593.1
27-02-1998	9.1	10.0	8.3	364.0	4.4	9.5	3.9	589.4

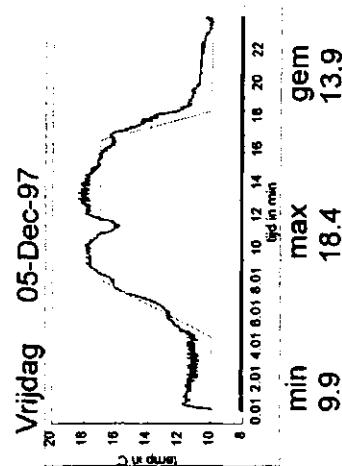
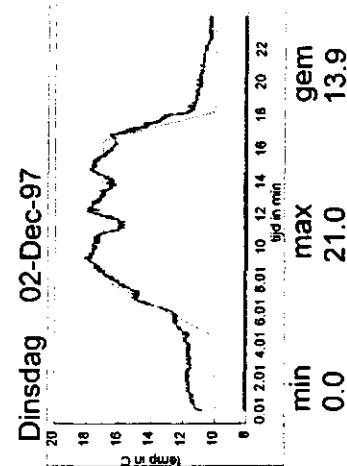
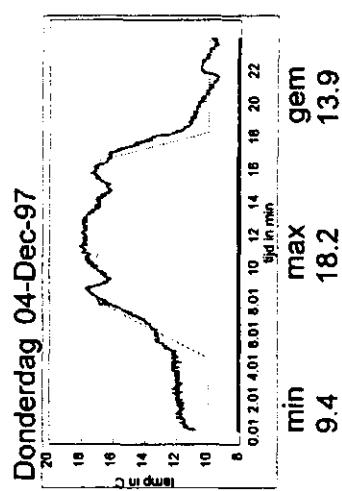
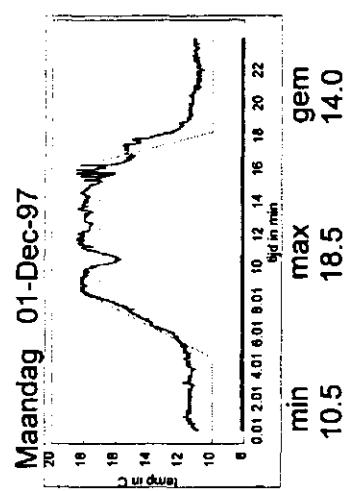
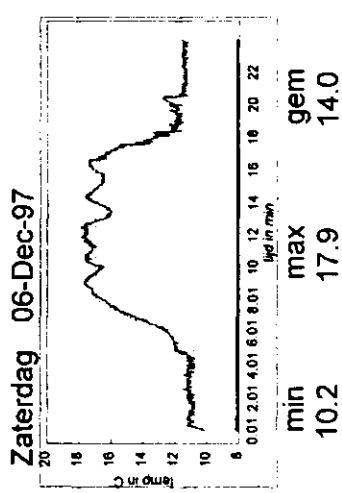
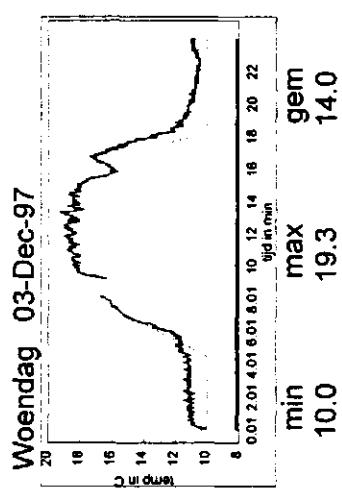
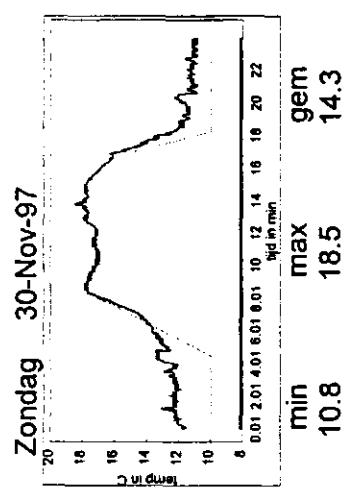
Appendix 3. Light intensity in trial 1

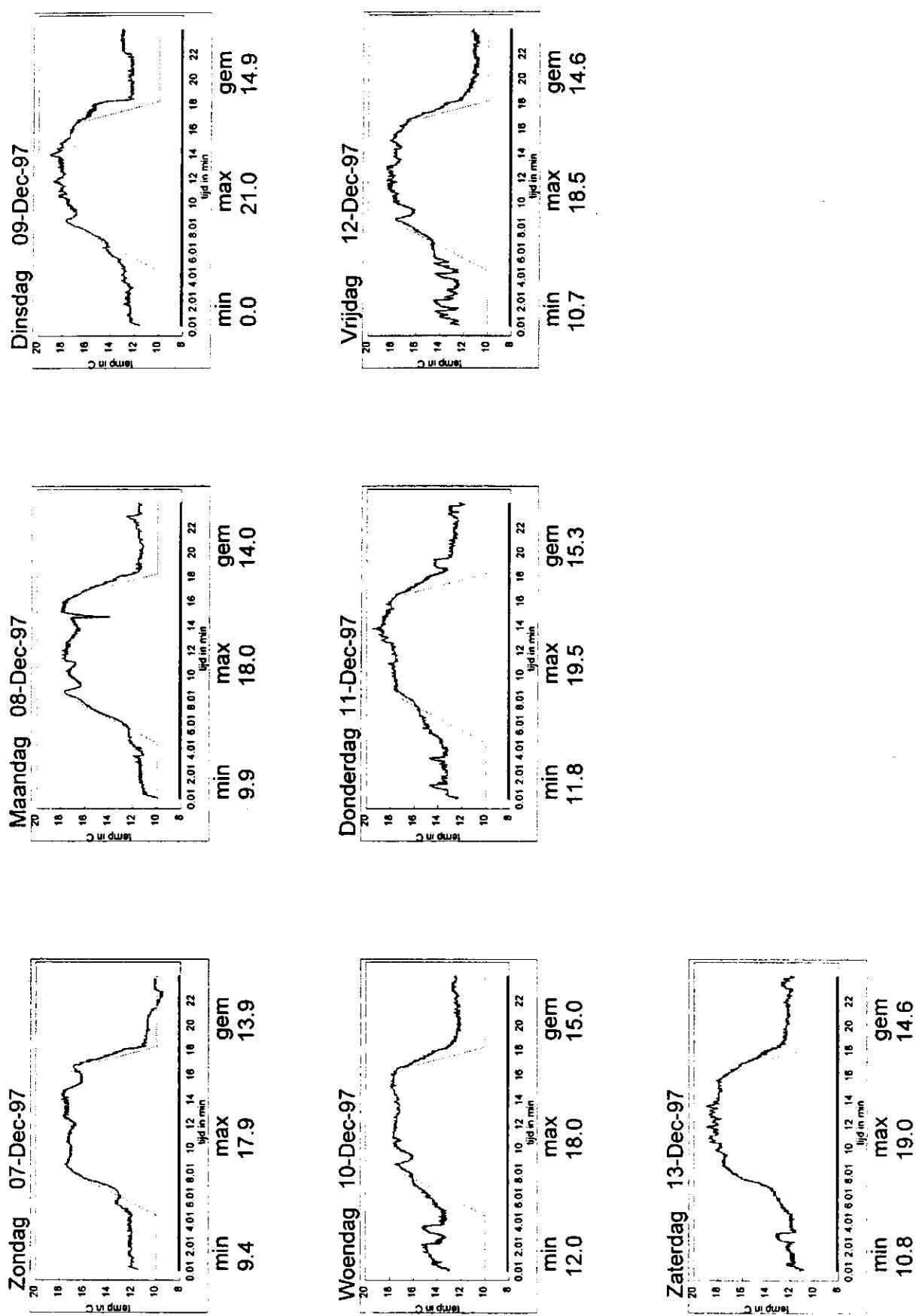
103 - 13

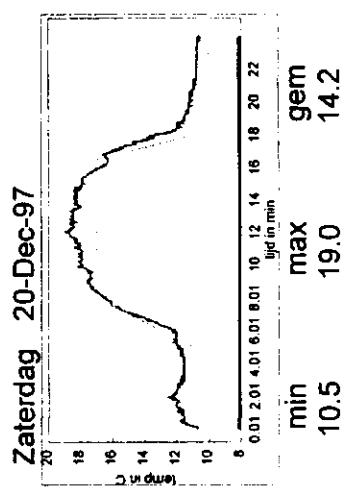
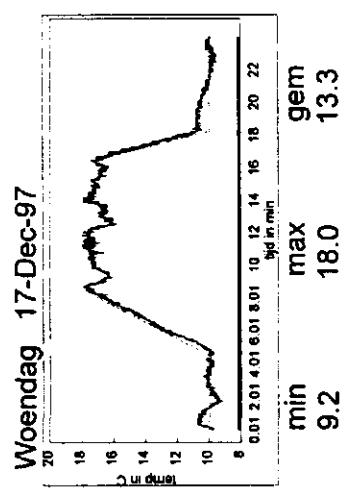
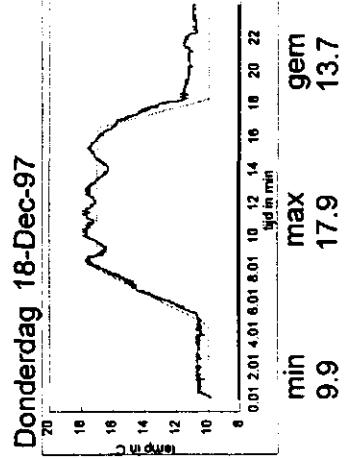
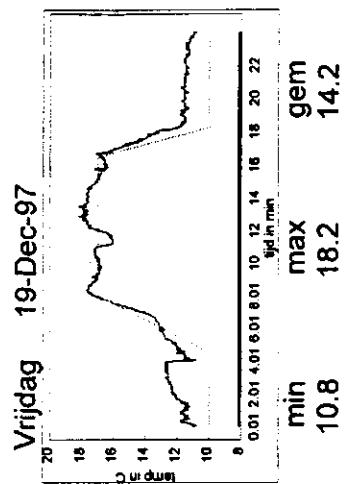
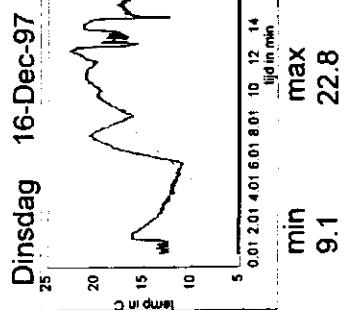
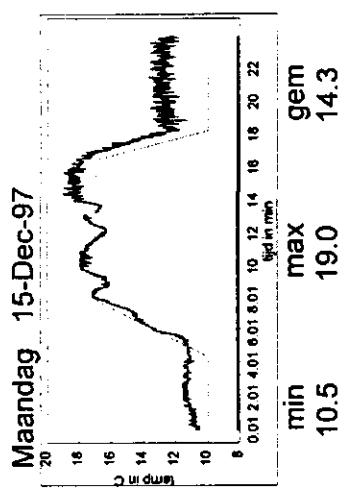
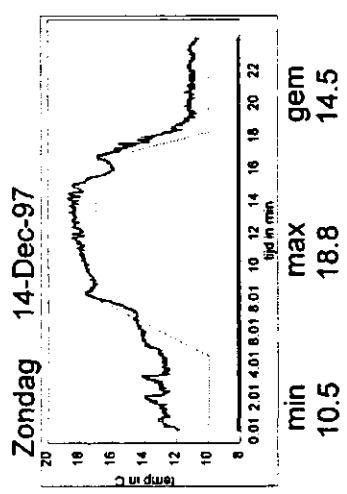
23.12.97 17.00 h.		Light intensity PAR, $\mu\text{mol.m}^{-2}.s^{-1}$		TRIAL 1	
		verbeterd			
17		13		13	
28	bak 24	30	bak 25	27	bak 24
52	9	56	5	50	1
79		85		76	
129	bak 25	153	24	119	bak 24
172	10	181	6	156	2
157		171		156	
112	bak 24	116	25	111	bak 25
63	11	72	7	62	3
46		44		46	
20	bak 25	25	bak 24	25	bak 25
10	12	10	8	11	4

Appendix 4. Temperatures in trial 1, based on data per minute

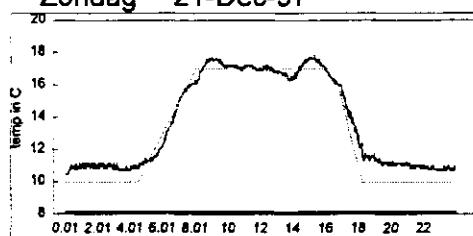






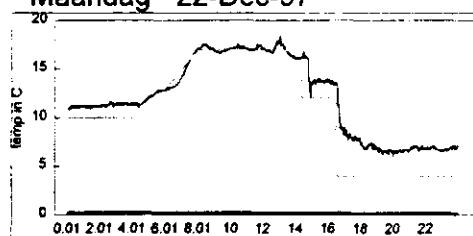


Zondag 21-Dec-97



min	max	gem
10.4	17.9	13.7

Maandag 22-Dec-97



min	max	gem
6.0	18.4	12.1

Appendix 5. Other climatic conditions in trial 1

21	AFD	5	(13)	DROGE BOL
22	AFD	5	(13)	NATTE BOL
24	AFD	5	(13)	VERWARMINGSNET H9
25	AFD	5	(13)	BOVENNETVERW. H10
136	AFD	5	(13)	LUCHTING OOST V13
137	AFD	5	(13)	LUCHTING WEST V14
117	CO2	CHANNEL	5	
184	AFD	5	(13)	SETP. VENTILATIE
204	AFD	5	(13)	SETP. VERWARMING
724	AFD	5	(13)	REL. LUCHTVOCHTIGHE

00/00/00	00.00	21	24	136	137	117	204	724
27/11/97	00.30	11.4	12.6	.0	10.0	2.5	10.0	99.9
27/11/97	01.00	11.4	12.5	.0	10.0	2.5	10.0	99.8
27/11/97	01.30	11.4	12.4	.0	10.0	2.5	10.0	100.0
27/11/97	02.00	11.3	12.3	.0	12.5	2.5	10.0	100.0
27/11/97	02.30	11.2	12.3	.0	11.9	2.5	10.0	100.0
27/11/97	03.00	11.2	12.2	.0	10.0	2.5	10.0	100.0
27/11/97	03.30	11.1	12.2	.0	10.4	2.5	10.0	99.9
27/11/97	04.00	11.0	12.1	.0	10.2	2.5	10.0	100.0
27/11/97	04.30	11.0	12.0	.0	10.0	2.5	10.0	100.0
27/11/97	05.00	10.9	12.0	.0	10.0	2.5	10.0	100.0
27/11/97	05.30	10.9	12.0	.0	2.3	2.5	10.5	99.9
27/11/97	06.00	11.0	15.0	.0	.0	2.5	11.5	100.0
27/11/97	06.30	11.7	24.3	.0	.0	2.5	12.5	99.9
27/11/97	07.00	13.0	32.7	.0	.0	2.5	13.5	99.9
27/11/97	07.30	14.1	38.4	.0	.0	2.5	14.5	100.0
27/11/97	08.00	15.5	43.1	.0	.0	2.5	15.5	100.0
27/11/97	08.30	16.6	43.1	.0	.0	2.5	16.5	99.6
27/11/97	09.00	16.7	43.8	.0	.0	2.5	17.0	100.0
27/11/97	09.30	17.0	45.6	.0	.0	2.5	17.0	100.0
27/11/97	10.00	17.0	43.7	.0	.0	2.5	17.0	99.9
27/11/97	10.30	17.2	43.0	.0	.2	2.5	17.0	99.9
27/11/97	11.00	17.7	36.4	.0	5.9	2.5	17.0	99.8
27/11/97	11.30	17.0	30.9	.0	.0	2.5	17.0	99.9
27/11/97	12.00	16.5	32.2	.0	.0	2.5	17.0	100.0
27/11/97	12.30	17.1	34.3	.0	.0	2.5	17.0	100.0
27/11/97	13.00	17.4	29.8	.0	.9	2.5	17.0	99.8
27/11/97	13.30	16.9	26.4	.0	.0	2.5	17.0	100.0
27/11/97	14.00	17.0	26.9	.0	.0	418.2	17.0	99.9
27/11/97	14.30	17.4	24.5	.0	.2	1945.0	17.0	99.9
27/11/97	15.00	16.2	23.5	.0	.0	2483.8	17.0	100.0
27/11/97	15.30	15.9	34.4	.0	.0	2081.5	17.0	99.9
27/11/97	16.00	15.2	49.2	.0	.0	1177.6	17.0	99.9
27/11/97	16.30	17.8	51.6	.0	7.7	930.6	17.0	99.9
27/11/97	17.00	17.6	40.9	.0	12.7	1094.0	16.6	99.9
27/11/97	17.30	16.5	33.3	1.7	20.6	1036.5	14.8	100.0
27/11/97	18.00	14.8	27.9	6.1	36.1	791.3	12.8	100.0
27/11/97	18.30	13.2	23.8	10.9	40.9	599.4	10.8	100.0
27/11/97	19.00	12.4	20.6	11.0	41.0	566.6	10.0	99.8
27/11/97	19.30	12.4	18.4	9.3	39.3	594.1	10.0	99.9
27/11/97	20.00	12.5	16.8	3.8	23.8	635.2	10.0	99.9
27/11/97	20.30	12.4	15.9	5.1	27.1	742.4	10.0	100.0
27/11/97	21.00	12.1	15.0	4.2	28.2	670.2	10.0	99.8
27/11/97	21.30	12.0	14.4	4.1	34.1	642.1	10.0	100.0
27/11/97	22.00	12.0	13.9	4.3	34.3	650.4	10.0	100.0
27/11/97	22.30	12.0	13.6	4.3	34.3	639.8	10.0	99.9
27/11/97	23.00	12.1	13.3	5.5	35.5	620.7	10.0	100.0
27/11/97	23.30	12.1	13.2	5.8	35.8	612.1	10.0	100.0
28-11-97	00.00	12.1	13.1	5.4	35.4	607.7	10.0	100.0
28/11/97	00.30	12.3	13.1	6.9	36.9	602.6	10.0	100.0

28/11/97	01.00	12.7	13.1	11.8	41.8	578.9	10.0	100,0
28/11/97	01.30	12.9	13.2	14.5	44.5	564.6	10.0	99.9
28/11/97	02.00	12.9	13.2	16.3	46.3	541.6	10.0	100.0
28/11/97	02.30	13.0	13.2	16.0	46.0	535.3	10.0	100.0
28/11/97	03.00	12.9	13.3	15.9	45.9	524.3	10.0	100.0
28/11/97	03.30	12.9	13.4	29.9	31.9	521.9	10.0	100.0
28/11/97	04.00	12.9	13.4	46.7	16.7	516.6	10.0	100.0
28/11/97	04.30	12.9	13.4	45.0	15.0	504.2	10.0	100.0
28/11/97	05.00	12.9	13.6	45.6	15.6	503.4	10.0	100.0
28/11/97	05.30	12.8	13.6	39.3	9.3	499.1	10.5	100.0
28/11/97	06.00	13.1	13.6	11.4	16.5	525.0	11.5	100.0
28/11/97	06.30	13.4	13.6	.0	10.6	599.7	12.5	100.0
28/11/97	07.00	13.9	14.1	.0	.7	679.9	13.5	100.0
28/11/97	07.30	14.2	17.7	.0	.0	748.1	14.5	100.0
28/11/97	08.00	14.8	24.1	.0	.0	794.8	15.5	100.0
28/11/97	08.30	15.9	33.0	.0	.0	817.0	16.5	100.0
28/11/97	09.00	17.2	38.0	.0	.7	814.9	17.0	100.0
28/11/97	09.30	17.7	31.8	.0	6.7	798.2	17.0	99.9
28/11/97	10.00	17.4	27.6	.0	1.5	821.9	17.0	99.9
28/11/97	10.30	17.3	24.7	.0	.0	1025.0	17.0	100.0
28/11/97	11.00	17.0	22.6	.0	.0	1085.7	17.0	100.0
28/11/97	11.30	16.9	21.1	.0	.0	1102.0	17.0	99.8
28/11/97	12.00	16.7	21.3	.0	.0	1137.1	17.0	100.0
28/11/97	12.30	16.2	26.1	.0	.0	1224.7	17.0	100.0
28/11/97	13.00	16.5	34.2	.0	.0	1326.0	17.0	100.0
28/11/97	13.30	17.3	35.9	.0	.0	1546.8	17.0	100.0
28/11/97	14.00	17.1	31.8	.0	.0	1767.8	17.0	100.0
28/11/97	14.30	17.0	29.3	.0	.0	1949.4	17.0	80.3
28/11/97	15.00	16.8	30.2	.0	.0	2175.3	17.0	72.8
28/11/97	15.30	17.1	31.0	.0	.0	2330.6	17.0	71.7
28/11/97	16.00	17.1	28.7	.0	.0	2458.3	17.0	72.0
28/11/97	16.30	16.8	27.2	.0	.0	2340.5	16.9	73.4
28/11/97	17.00	16.4	25.6	.0	6.5	2001.8	15.8	74.6
28/11/97	17.30	15.4	22.7	1.1	28.0	946.5	13.8	76.0
28/11/97	18.00	14.3	20.6	10.6	40.6	481.4	11.8	77.5
28/11/97	18.30	13.0	18.7	17.0	47.0	415.9	10.1	80.2
28/11/97	19.00	12.4	17.2	10.8	40.8	414.9	10.0	81.9
28/11/97	19.30	12.1	16.1	30.2	12.2	415.8	10.0	83.4
28/11/97	20.00	12.0	15.3	35.0	5.0	425.2	10.0	83.6
28/11/97	20.30	12.2	14.7	23.8	3.8	432.9	10.0	84.7
28/11/97	21.00	12.0	14.3	31.5	4.9	429.1	10.0	85.6
28/11/97	21.30	11.6	13.8	30.0	.6	424.5	10.0	86.7
28/11/97	22.00	11.4	13.5	26.5	.0	429.4	10.0	87.0
28/11/97	22.30	11.3	13.2	23.5	.0	434.0	10.0	86.5
28/11/97	23.00	11.4	13.1	23.9	.0	443.6	10.0	86.6
28/11/97	23.30	11.5	13.0	27.8	.0	441.8	10.0	87.5
29/11/97	00.00	11.6	12.9	28.4	.0	429.3	10.0	87.2
29/11/97	00.30	11.9	12.9	32.8	2.8	423.5	10.0	84.5
29/11/97	01.00	12.2	13.0	36.8	6.8	417.7	10.0	82.3
29/11/97	01.30	12.4	13.1	32.5	6.5	416.4	10.0	81.4
29/11/97	02.00	12.6	13.1	32.8	8.8	422.3	10.0	81.9
29/11/97	02.30	12.8	13.2	21.1	3.7	424.1	10.0	82.1
29/11/97	03.00	13.2	13.3	18.1	4.8	442.1	10.0	82.9
29/11/97	03.30	13.6	13.6	10.0	.0	471.2	10.0	83.8
29/11/97	04.00	13.7	13.7	10.0	.0	505.1	10.0	84.4
29/11/97	04.30	13.8	13.9	10.0	.0	537.9	10.0	84.9
29/11/97	05.00	13.2	14.0	37.6	10.9	478.4	10.5	83.7
29/11/97	05.30	13.3	14.0	30.4	1.6	424.1	11.5	82.8
29/11/97	06.00	13.7	14.0	17.2	.0	438.7	12.5	82.9
29/11/97	06.30	14.1	14.2	4.3	.0	476.3	13.5	84.2
29/11/97	07.00	14.1	17.7	.0	.0	507.7	14.5	84.2
29/11/97	07.30	14.6	25.8	.0	.0	533.9	15.5	80.5
29/11/97	08.00	15.9	36.4	.0	.0	555.4	16.5	73.8
29/11/97	08.30	17.3	40.4	.5	.0	571.1	17.0	67.7
29/11/97	09.00	17.6	34.0	3.3	.0	582.9	17.0	66.7
29/11/97	09.30	17.4	29.0	.3	.0	598.6	17.0	68.0
29/11/97	10.00	17.4	25.6	.0	.0	606.0	17.0	69.3

29/11/97	10.30	17.5	23.4	.5	.0	608.3	17.0	69.8
29/11/97	11.00	17.7	21.9	5.2	.0	589.0	17.0	69.7
29/11/97	11.30	17.9	21.0	12.5	.0	502.1	17.0	67.8
29/11/97	12.00	18.0	20.5	15.5	.0	423.2	17.0	66.3
29/11/97	12.30	17.9	20.1	12.4	.0	404.6	17.0	67.1
29/11/97	13.00	18.3	20.0	20.9	.0	396.9	17.0	64.7
29/11/97	13.30	18.4	20.0	25.5	.0	389.5	17.0	62.5
29/11/97	14.00	18.4	19.9	23.3	.0	387.5	17.0	62.3
29/11/97	14.30	18.3	19.8	23.5	.0	385.9	17.0	63.4
29/11/97	15.00	18.3	19.7	23.1	.0	383.9	17.0	78.3
29/11/97	15.30	18.0	19.4	15.4	.0	387.3	17.0	97.7
29/11/97	16.00	17.9	19.1	12.7	.0	395.5	17.0	100.0
29/11/97	16.30	16.8	18.7	.4	.0	399.5	16.9	100.0
29/11/97	17.00	16.0	18.9	1.4	.0	407.5	15.8	100.0
29/11/97	17.30	15.1	18.0	22.0	.0	404.0	13.8	100.0
29/11/97	18.00	14.0	17.2	36.6	6.6	393.3	11.8	100.0
29/11/97	18.30	13.0	16.2	45.6	15.6	387.5	10.1	100.0
29/11/97	19.00	12.4	15.6	41.1	11.1	390.3	10.0	100.0
29/11/97	19.30	12.0	14.9	35.2	5.2	397.6	10.0	100.0
29/11/97	20.00	11.7	14.3	31.7	1.7	402.8	10.0	100.0
29/11/97	20.30	11.5	13.8	28.3	.0	404.6	10.0	100.0
29/11/97	21.00	11.5	13.4	26.7	.0	404.3	10.0	100.0
29/11/97	21.30	11.5	13.3	25.1	.0	406.3	10.0	100.0
29/11/97	22.00	11.4	13.1	26.8	.0	410.3	10.0	100.0
29/11/97	22.30	11.5	13.0	27.1	.0	414.0	10.0	100.0
29/11/97	23.00	11.6	12.9	29.1	.0	411.3	10.0	100.0
29/11/97	23.30	11.6	12.9	29.5	.0	408.3	10.0	100.0
30-11-97	00.00	11.6	12.8	22.2	.1	411.3	10.0	99.9
30/11/97	00.30	11.8	12.8	31.8	1.8	415.5	10.0	100.0
30/11/97	01.00	12.1	12.9	35.0	5.0	409.6	10.0	100.0
30/11/97	01.30	12.4	12.9	32.6	7.2	414.6	10.0	99.9
30/11/97	02.00	12.2	13.0	37.0	7.0	408.3	10.0	100.0
30/11/97	02.30	12.1	13.1	37.3	7.3	407.3	10.0	100.0
30/11/97	03.00	12.1	13.1	36.3	6.3	408.2	10.0	100.0
30/11/97	03.30	12.3	13.1	36.1	7.4	412.0	10.0	100.0
30/11/97	04.00	12.3	13.2	38.4	9.1	410.6	10.0	100.0
30/11/97	04.30	13.0	13.2	10.8	.2	420.5	10.0	100.0
30/11/97	05.00	13.0	13.2	7.3	19.3	438.5	10.5	100.0
30/11/97	05.30	12.9	13.3	.0	19.6	429.8	11.5	100.0
30/11/97	06.00	13.3	13.5	.0	7.6	453.3	12.5	100.0
30/11/97	06.30	13.7	14.7	.0	.1	488.6	13.5	100.0
30/11/97	07.00	14.1	17.8	.0	.0	514.3	14.5	100.0
30/11/97	07.30	14.9	24.3	.0	.0	534.9	15.5	100.0
30/11/97	08.00	16.1	31.0	.0	.0	557.3	16.5	100.0
30/11/97	08.30	17.3	33.5	.0	.5	576.8	17.0	99.9
30/11/97	09.00	17.7	28.5	.0	5.5	604.1	17.0	99.9
30/11/97	09.30	17.5	25.5	.0	2.9	636.5	17.0	99.9
30/11/97	10.00	17.2	23.2	.0	.0	663.1	17.0	100.0
30/11/97	10.30	17.0	21.6	.0	.0	816.4	17.0	100.0
30/11/97	11.00	17.0	20.4	.0	.0	996.0	17.0	100.0
30/11/97	11.30	17.2	19.6	.0	.0	1190.7	17.0	100.0
30/11/97	12.00	17.1	19.0	.0	.0	1427.8	17.0	100.0
30/11/97	12.30	17.1	18.6	.0	.0	1676.9	17.0	100.0
30/11/97	13.00	17.6	18.5	.0	3.3	1901.4	17.0	99.9
30/11/97	13.30	17.7	18.5	3.1	2.6	1819.6	17.0	99.9
30/11/97	14.00	18.0	18.5	5.7	7.2	1413.7	17.0	100.0
30/11/97	14.30	17.7	18.5	6.8	1.1	1053.8	17.0	100.0
30/11/97	15.00	17.7	18.5	6.8	.5	1156.6	17.0	100.0
30/11/97	15.30	17.5	18.5	4.5	.0	1185.9	17.0	99.9
30/11/97	16.00	17.1	18.8	.0	.0	1381.1	17.0	100.0
30/11/97	16.30	16.5	21.2	.0	.0	1362.8	16.9	100.0
30/11/97	17.00	16.1	23.9	2.9	.0	1255.2	15.8	100.0
30/11/97	17.30	14.8	21.2	16.3	.0	658.2	13.8	100.0
30/11/97	18.00	13.6	19.5	2.6	31.3	435.3	11.8	100.0
30/11/97	18.30	12.3	18.0	8.1	38.1	406.9	10.1	100.0
30/11/97	19.00	11.8	16.6	2.1	30.1	410.4	10.0	100.0
30/11/97	19.30	11.5	15.6	.0	24.5	421.3	10.0	100.0

30/11/97	20.00	11.4	14.8	.0	18.5	424.8	10.0	100.0
30/11/97	20.30	11.9	14.3	.0	10.0	448.5	10.0	100.0
30/11/97	21.00	11.2	13.8	.3	19.3	445.1	10.0	100.0
30/11/97	21.30	11.1	13.5	.0	16.8	443.6	10.0	100.0
30/11/97	22.00	11.2	13.2	.0	19.3	443.9	10.0	99.8
30/11/97	22.30	11.2	13.2	.0	18.6	441.2	10.0	100.0
30/11/97	23.00	11.1	13.0	.0	15.8	442.8	10.0	99.8
30/11/97	23.30	11.0	12.8	.0	13.5	450.2	10.0	100.0
01-12-97	00.00	10.9	12.5	.0	13.0	469.8	10.0	100.0
01/12/97	00.30	11.1	12.4	.0	15.6	484.3	10.0	100.0
01/12/97	01.00	11.4	12.3	.0	23.9	464.1	10.0	99.9
01/12/97	01.30	11.4	12.4	.0	25.2	442.3	10.0	100.0
01/12/97	02.00	11.4	12.4	.0	24.0	442.3	10.0	100.0
01/12/97	02.30	11.3	12.3	.0	22.9	452.1	10.0	100.0
01/12/97	03.00	11.3	12.3	13.7	6.1	464.2	10.0	100.0
01/12/97	03.30	11.3	12.3	23.3	.0	463.9	10.0	100.0
01/12/97	04.00	11.2	12.3	19.7	.0	468.0	10.0	100.0
01/12/97	04.30	11.4	12.3	25.2	.0	474.7	10.0	100.0
01/12/97	05.00	11.5	12.3	13.8	.0	481.4	10.5	100.0
01/12/97	05.30	11.7	12.8	.5	.0	521.7	11.5	100.0
01/12/97	06.00	12.2	14.7	.0	.0	553.6	12.5	100.0
01/12/97	06.30	13.1	23.0	.0	.0	583.7	13.5	100.0
01/12/97	07.00	14.0	29.0	.0	.0	613.3	14.5	100.0
01/12/97	07.30	14.9	36.3	.0	.0	633.0	15.5	100.0
01/12/97	08.00	15.8	44.9	.0	.0	649.7	16.5	99.5
01/12/97	08.30	17.3	49.7	1.3	.0	667.1	17.0	99.4
01/12/97	09.00	18.0	41.0	7.9	5.5	712.8	17.0	99.9
01/12/97	09.30	18.0	33.4	15.7	.0	741.7	17.0	89.3
01/12/97	10.00	17.8	28.7	10.0	.0	800.8	17.0	55.4
01/12/97	10.30	16.4	26.0	.4	.0	975.0	17.0	64.1
01/12/97	11.00	16.4	32.2	.0	.0	1126.7	17.0	64.7
01/12/97	11.30	17.9	30.6	5.7	2.5	1128.7	17.0	59.5
01/12/97	12.00	18.1	26.4	5.6	12.2	1028.9	17.0	57.8
01/12/97	12.30	17.8	24.3	10.1	.0	913.8	17.0	58.3
01/12/97	13.00	17.7	22.6	5.3	.0	1016.9	17.0	60.1
01/12/97	13.30	17.8	21.5	9.1	.0	940.5	17.0	59.0
01/12/97	14.00	18.0	20.8	13.2	.0	774.8	17.0	57.9
01/12/97	14.30	17.8	20.1	9.5	.0	632.8	17.0	59.1
01/12/97	15.00	17.8	19.6	10.4	.0	721.0	17.0	60.5
01/12/97	15.30	17.1	19.0	.4	.0	939.6	17.0	69.8
01/12/97	16.00	17.0	20.2	.7	.0	1075.6	17.0	76.2
01/12/97	16.30	16.3	19.7	.0	.0	1045.1	16.9	85.2
01/12/97	17.00	15.1	27.7	.0	.0	966.4	15.8	68.3
01/12/97	17.30	15.3	24.9	7.7	4.3	779.1	13.8	67.0
01/12/97	18.00	14.3	21.9	31.5	8.9	635.2	11.8	67.1
01/12/97	18.30	12.5	19.6	18.6	36.6	477.5	10.1	68.9
01/12/97	19.00	11.8	17.7	3.1	33.0	480.4	10.0	70.5
01/12/97	19.30	11.4	16.2	.0	25.1	495.6	10.0	71.7
01/12/97	20.00	11.3	15.1	.0	22.8	501.9	10.0	72.4
01/12/97	20.30	11.2	14.3	.0	20.2	522.6	10.0	73.1
01/12/97	21.00	11.1	13.6	2.4	15.2	546.4	10.0	73.8
01/12/97	21.30	10.8	13.2	10.9	.0	549.3	10.0	74.4
01/12/97	22.00	10.7	12.8	.3	8.3	559.7	10.0	75.4
01/12/97	22.30	10.8	12.5	4.3	4.2	580.3	10.0	75.4
01/12/97	23.00	11.0	12.3	.0	13.5	595.6	10.0	75.8
01/12/97	23.30	11.0	12.2	3.4	10.5	598.5	10.0	76.2
02-12-97	00.00	11.0	12.1	14.6	.0	586.6	10.0	76.4
02/12/97	00.30	11.2	12.1	.9	16.1	550.7	10.0	75.1
02/12/97	01.00	11.4	12.1	.0	23.1	517.9	10.0	72.1
02/12/97	01.30	11.6	12.2	.0	27.8	504.4	10.0	70.8
02/12/97	02.00	11.6	12.3	.2	30.2	511.4	10.0	70.3
02/12/97	02.30	11.6	12.3	.5	30.5	526.4	10.0	69.9
02/12/97	03.00	11.5	12.3	.0	28.4	528.9	10.0	70.2
02/12/97	03.30	11.6	12.3	.1	28.8	540.1	10.0	70.5
02/12/97	04.00	11.6	12.4	.3	30.3	544.2	10.0	70.3
02/12/97	04.30	11.8	12.4	1.1	31.1	532.3	10.0	69.6
02/12/97	05.00	11.9	12.4	.0	22.7	539.3	10.5	69.4

02/12/97	05.30	12.3	12.5	.0	9.4	586.5	11.5	71.0
02/12/97	06.00	12.4	15.4	.0	.0	630.0	12.5	73.4
02/12/97	06.30	13.4	29.1	.0	.0	659.3	13.5	68.8
02/12/97	07.00	14.7	31.5	.0	.0	686.0	14.5	62.9
02/12/97	07.30	15.0	33.9	.0	.0	707.9	15.5	61.4
02/12/97	08.00	15.9	41.1	.0	.0	727.4	16.5	58.2
02/12/97	08.30	16.7	44.4	.0	.0	742.2	17.0	57.0
02/12/97	09.00	17.3	43.0	.0	.0	782.8	17.0	56.8
02/12/97	09.30	17.8	36.6	.0	7.2	806.7	17.0	57.3
02/12/97	10.00	17.6	30.5	.0	5.3	857.8	17.0	58.9
02/12/97	10.30	17.4	26.7	.0	.8	958.3	17.0	62.3
02/12/97	11.00	17.1	24.1	.0	.0	1144.9	17.0	64.3
02/12/97	11.30	15.9	26.2	.0	.0	1373.3	17.0	66.6
02/12/97	12.00	16.3	36.7	.0	.0	1490.8	17.0	63.3
02/12/97	12.30	17.6	36.7	.0	4.0	1616.7	17.0	59.7
02/12/97	13.00	17.4	30.2	.0	2.6	1608.9	17.0	60.4
02/12/97	13.30	17.0	26.6	.0	.0	1784.3	17.0	63.3
02/12/97	14.00	16.4	26.9	.0	.0	1918.1	17.0	64.9
02/12/97	14.30	16.7	32.4	.0	.0	1987.6	17.0	63.1
02/12/97	15.00	17.6	30.9	.0	2.7	1981.9	17.0	59.1
02/12/97	15.30	17.4	26.6	.0	2.1	1791.4	17.0	58.1
02/12/97	16.00	16.7	24.0	.0	.0	1897.5	17.0	61.0
02/12/97	16.30	16.3	27.1	.0	.0	1803.0	16.9	62.0
02/12/97	17.00	16.2	30.1	.0	4.9	1587.6	15.8	59.4
02/12/97	17.30	14.7	25.0	.0	15.1	875.6	13.8	55.0
02/12/97	18.00	13.3	22.1	.7	27.6	546.5	11.8	51.8
02/12/97	18.30	11.7	19.5	2.2	31.0	461.9	10.1	53.5
02/12/97	19.00	11.2	17.5	.0	21.5	466.9	10.0	56.4
02/12/97	19.30	11.1	16.0	.0	17.2	491.0	10.0	59.8
02/12/97	20.00	11.0	14.8	.0	14.5	518.7	10.0	64.0
02/12/97	20.30	10.9	14.0	.0	12.1	557.2	10.0	66.1
02/12/97	21.00	10.8	13.4	.0	9.7	593.3	10.0	67.9
02/12/97	21.30	10.7	13.0	.0	8.1	638.8	10.0	68.6
02/12/97	22.00	10.6	12.6	.0	5.4	671.2	10.0	68.9
02/12/97	22.30	10.5	12.2	.0	1.8	692.5	10.0	69.9
02/12/97	23.00	10.3	11.9	.0	.0	709.5	10.0	70.6
02/12/97	23.30	10.3	11.7	.0	.0	727.1	10.0	70.6
03/12/97	00.00	10.3	11.5	.0	.0	741.7	10.0	70.3
03/12/97	00.30	10.6	11.4	.0	4.3	740.4	10.0	68.5
03/12/97	01.00	11.0	11.5	.0	13.0	632.1	10.0	64.9
03/12/97	01.30	11.0	11.6	.0	14.8	555.7	10.0	63.3
03/12/97	02.00	11.0	11.7	.0	15.5	525.2	10.0	61.7
03/12/97	02.30	11.1	11.8	.0	16.3	514.8	10.0	61.1
03/12/97	03.00	11.1	11.9	.0	17.8	509.8	10.0	61.1
03/12/97	03.30	11.1	12.0	.0	17.8	505.4	10.0	61.2
03/12/97	04.00	11.1	12.0	.0	16.4	512.8	10.0	62.6
03/12/97	04.30	11.2	12.0	.0	17.8	528.1	10.0	63.1
03/12/97	05.00	11.5	12.0	.0	11.5	551.9	10.5	62.6
03/12/97	05.30	11.7	12.7	.0	.4	595.3	11.5	64.0
03/12/97	06.00	11.9	17.4	.0	.0	633.4	12.5	63.6
03/12/97	06.30	13.0	30.2	.0	.0	667.2	13.5	59.6
03/12/97	07.00	14.6	34.8	.0	.0	698.7	14.5	55.5
03/12/97	07.30	15.4	34.7	.0	.0	722.5	15.5	54.1
03/12/97	08.00	16.0	38.1	.0	.0	741.4	16.5	53.1
03/12/97	08.30	16.5	42.5	.0	.0	754.2	17.0	52.9
03/12/97	09.00	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9	-99.9
03/12/97	09.30	17.0	45.1	.0	.0	800.0	17.0	52.7
03/12/97	10.00	18.1	39.4	.0	13.0	780.3	17.0	49.0
03/12/97	10.30	18.3	32.2	.0	19.7	847.4	17.0	46.6
03/12/97	11.00	18.3	28.2	.0	21.7	839.7	17.0	44.3
03/12/97	11.30	18.4	25.6	.0	25.3	793.6	17.0	42.9
03/12/97	12.00	18.6	23.9	.0	27.9	774.6	17.0	41.7
03/12/97	12.30	18.5	22.7	.0	26.8	682.0	17.0	39.9
03/12/97	13.00	18.5	22.0	.4	27.4	694.2	17.0	37.7
03/12/97	13.30	18.5	21.4	.8	27.9	708.0	17.0	37.8
03/12/97	14.00	18.2	20.9	.0	19.4	734.7	17.0	39.8
03/12/97	14.30	18.4	20.5	.0	22.4	725.8	17.0	37.5

03/12/97	15.00	18.0	20.1	.0	18.0	817.5	17.0	39.7
03/12/97	15.30	17.5	19.6	.0	6.5	1099.5	17.0	48.3
03/12/97	16.00	16.0	21.0	.0	.0	1269.5	17.0	56.7
03/12/97	16.30	16.3	31.0	.0	.0	1217.6	16.9	58.2
03/12/97	17.00	16.9	34.8	.0	14.7	1034.5	15.8	54.6
03/12/97	17.30	15.8	28.2	4.6	34.5	619.7	13.8	50.1
03/12/97	18.00	14.3	24.5	12.1	42.1	513.3	11.8	49.5
03/12/97	18.30	12.5	21.3	10.9	40.9	472.9	10.1	50.7
03/12/97	19.00	11.7	18.8	2.5	32.5	477.1	10.0	53.7
03/12/97	19.30	11.3	17.0	.0	24.4	484.4	10.0	56.1
03/12/97	20.00	11.2	15.7	.0	18.4	495.7	10.0	58.6
03/12/97	20.30	10.9	14.6	.0	13.3	513.8	10.0	61.4
03/12/97	21.00	10.8	13.8	.0	10.8	555.0	10.0	64.6
03/12/97	21.30	10.7	13.3	.0	6.9	601.6	10.0	66.4
03/12/97	22.00	10.6	12.8	.0	5.1	647.3	10.0	66.8
03/12/97	22.30	10.5	12.4	.0	2.5	690.0	10.0	66.2
03/12/97	23.00	10.5	12.1	.0	1.6	728.7	10.0	67.0
03/12/97	23.30	10.7	11.9	.0	7.5	745.7	10.0	68.9
04-12-97	00.00	10.8	11.9	.0	10.6	722.0	10.0	70.0
04/12/97	00.30	11.3	11.9	.0	18.9	683.4	10.0	67.9
04/12/97	01.00	11.6	12.0	.6	29.0	594.4	10.0	64.4
04/12/97	01.30	11.7	12.2	1.4	31.3	559.1	10.0	62.3
04/12/97	02.00	11.7	12.3	1.1	31.1	534.1	10.0	60.8
04/12/97	02.30	11.9	12.5	2.7	32.7	527.1	10.0	59.8
04/12/97	03.00	11.8	12.5	2.6	32.6	518.9	10.0	59.7
04/12/97	03.30	11.9	12.7	3.2	33.2	516.4	10.0	58.8
04/12/97	04.00	12.0	12.7	4.7	34.7	519.5	10.0	58.9
04/12/97	04.30	12.1	12.8	5.4	35.4	515.3	10.0	58.4
04/12/97	05.00	12.1	12.8	1.1	28.1	514.4	10.5	58.4
04/12/97	05.30	12.7	12.9	.0	16.5	562.0	11.5	60.6
04/12/97	06.00	13.2	13.1	.0	5.8	628.6	12.5	65.1
04/12/97	06.30	13.4	15.6	.0	.0	675.2	13.5	68.3
04/12/97	07.00	13.9	20.0	.0	.0	714.6	14.5	66.9
04/12/97	07.30	14.9	28.0	.0	.0	742.4	15.5	63.9
04/12/97	08.00	16.1	34.7	.0	.0	773.2	16.5	62.1
04/12/97	08.30	17.0	38.7	.0	.0	815.2	17.0	60.1
04/12/97	09.00	17.3	34.7	.0	.6	836.6	17.0	59.5
04/12/97	09.30	16.4	34.8	.0	.0	871.4	17.0	62.6
04/12/97	10.00	16.7	40.1	.0	.0	924.0	17.0	61.5
04/12/97	10.30	17.3	39.5	.0	.0	1128.9	17.0	60.3
04/12/97	11.00	17.6	33.8	.0	3.1	1340.0	17.0	60.4
04/12/97	11.30	17.8	28.8	.0	9.6	1312.4	17.0	58.1
04/12/97	12.00	17.7	25.6	.0	7.4	1178.6	17.0	57.7
04/12/97	12.30	17.8	23.5	.0	8.6	1168.5	17.0	58.2
04/12/97	13.00	17.8	21.9	.0	8.3	1291.8	17.0	59.0
04/12/97	13.30	17.5	20.9	.0	3.3	1497.7	17.0	61.7
04/12/97	14.00	16.9	19.9	.0	.0	1594.8	17.0	65.1
04/12/97	14.30	16.7	19.3	.0	.0	1685.4	17.0	65.7
04/12/97	15.00	16.2	23.6	.0	.0	1807.0	17.0	66.7
04/12/97	15.30	16.6	30.2	.0	.0	1992.2	17.0	64.1
04/12/97	16.00	17.0	31.2	.0	.0	2306.9	17.0	59.3
04/12/97	16.30	16.7	29.9	.0	.0	2299.4	16.9	58.2
04/12/97	17.00	16.2	31.0	.0	3.5	2160.5	15.8	57.5
04/12/97	17.30	15.2	25.9	.0	25.7	1468.4	13.8	55.7
04/12/97	18.00	13.9	22.7	5.5	35.5	869.7	11.8	56.1
04/12/97	18.30	12.0	20.0	6.2	36.2	625.9	10.1	58.0
04/12/97	19.00	11.2	17.7	.0	20.8	607.1	10.0	62.1
04/12/97	19.30	10.9	16.0	.0	12.8	639.3	10.0	64.1
04/12/97	20.00	10.7	14.8	.0	7.0	683.3	10.0	65.1
04/12/97	20.30	10.3	13.7	.0	.6	697.6	10.0	66.0
04/12/97	21.00	9.9	13.0	.0	.0	710.2	10.0	66.2
04/12/97	21.30	9.6	12.5	.0	.0	720.6	10.0	66.5
04/12/97	22.00	9.8	19.3	.0	.0	730.2	10.0	64.4
04/12/97	22.30	10.4	17.4	.0	.0	734.5	10.0	62.9
04/12/97	23.00	10.1	15.7	.0	.0	744.4	10.0	63.9
04/12/97	23.30	9.8	14.2	.0	.0	759.9	10.0	64.7
05-12-97	00.00	9.6	18.0	.0	.0	772.7	10.0	64.3

05/12/97	00.30	11.0	25.9	7.3	4.3	779.2	10.0	59.7
05/12/97	01.00	11.5	20.7	18.7	8.6	747.4	10.0	56.7
05/12/97	01.30	11.4	18.4	20.2	4.2	710.3	10.0	56.9
05/12/97	02.00	11.3	16.5	21.2	.0	662.6	10.0	58.1
05/12/97	02.30	11.1	15.1	17.7	.0	650.7	10.0	59.3
05/12/97	03.00	11.1	14.1	17.2	.0	650.5	10.0	59.9
05/12/97	03.30	11.1	13.5	16.8	.0	642.3	10.0	60.9
05/12/97	04.00	11.2	13.0	18.5	.0	632.1	10.0	61.4
05/12/97	04.30	11.2	12.7	19.8	.0	613.4	10.0	62.1
05/12/97	05.00	11.5	12.5	10.4	.0	614.9	10.5	62.9
05/12/97	05.30	12.2	12.5	4.1	.0	629.7	11.5	64.6
05/12/97	06.00	12.6	14.3	.0	.0	641.0	12.5	66.8
05/12/97	06.30	12.9	20.5	.0	.0	653.5	13.5	65.4
05/12/97	07.00	13.9	29.0	.0	.0	662.1	14.5	63.5
05/12/97	07.30	15.4	34.8	.0	.0	671.8	15.5	58.6
05/12/97	08.00	16.1	38.0	.0	.0	686.3	16.5	56.5
05/12/97	08.30	16.7	43.8	.0	.0	700.4	17.0	54.6
05/12/97	09.00	17.5	42.8	1.1	.0	718.5	17.0	52.6
05/12/97	09.30	17.6	35.4	4.9	.0	722.3	17.0	52.5
05/12/97	10.00	17.7	29.9	6.3	.0	773.1	17.0	54.3
05/12/97	10.30	17.6	26.3	5.8	.0	999.6	17.0	57.1
05/12/97	11.00	16.9	23.7	.0	.0	1158.7	17.0	62.9
05/12/97	11.30	16.0	26.8	.0	.0	1264.9	17.0	66.4
05/12/97	12.00	17.0	34.3	.0	.0	1453.3	17.0	64.5
05/12/97	12.30	17.7	30.0	5.7	.0	1451.6	17.0	60.0
05/12/97	13.00	17.9	26.5	11.0	.0	1195.3	17.0	55.1
05/12/97	13.30	17.9	24.2	12.0	.0	862.1	17.0	49.1
05/12/97	14.00	17.8	22.6	10.9	.0	808.8	17.0	47.3
05/12/97	14.30	17.7	21.4	7.4	.0	925.4	17.0	49.7
05/12/97	15.00	17.3	20.4	.7	.0	1103.6	17.0	56.7
05/12/97	15.30	17.1	19.7	.0	.0	1319.0	17.0	62.6
05/12/97	16.00	16.8	19.0	.0	.0	1522.7	17.0	66.0
05/12/97	16.30	16.2	21.0	.0	.0	1477.4	16.9	66.6
05/12/97	17.00	16.2	24.9	4.5	.0	1375.4	15.8	65.5
05/12/97	17.30	14.9	21.6	19.8	.0	882.0	13.8	60.7
05/12/97	18.00	13.9	19.7	35.3	5.6	615.3	11.8	59.7
05/12/97	18.30	12.2	17.9	38.8	8.8	510.9	10.1	61.3
05/12/97	19.00	11.4	16.2	25.5	.0	501.1	10.0	64.7
05/12/97	19.30	11.2	15.0	18.6	.0	517.0	10.0	66.2
05/12/97	20.00	10.9	14.0	13.6	.0	526.1	10.0	68.2
05/12/97	20.30	10.7	13.4	8.6	.0	553.4	10.0	68.9
05/12/97	21.00	10.7	13.0	7.7	.0	590.7	10.0	70.2
05/12/97	21.30	10.7	12.6	6.4	.0	622.8	10.0	71.4
05/12/97	22.00	10.6	12.2	4.7	.0	657.1	10.0	70.0
05/12/97	22.30	10.5	12.0	3.2	.0	688.4	10.0	70.0
05/12/97	23.00	10.3	11.8	.2	.0	718.5	10.0	71.5
05/12/97	23.30	10.1	11.6	.0	.0	743.0	10.0	71.8
06-12-97	00.00	10.1	11.4	.0	.0	758.0	10.0	72.3
06/12/97	00.30	10.7	11.3	5.7	.0	752.4	10.0	70.2
06/12/97	01.00	11.0	11.5	14.3	.0	606.3	10.0	66.8
06/12/97	01.30	10.9	11.5	12.9	.0	532.8	10.0	65.9
06/12/97	02.00	11.0	11.5	13.4	.0	522.5	10.0	65.3
06/12/97	02.30	11.1	11.6	15.5	.0	509.5	10.0	64.2
06/12/97	03.00	11.2	11.6	17.9	.0	500.7	10.0	62.3
06/12/97	03.30	11.1	11.6	16.7	.0	497.0	10.0	60.7
06/12/97	04.00	11.0	11.7	16.2	.0	498.3	10.0	60.2
06/12/97	04.30	10.9	11.6	13.6	.0	503.9	10.0	60.8
06/12/97	05.00	11.4	11.7	8.5	.0	524.1	10.5	61.2
06/12/97	05.30	11.9	12.3	1.7	.0	553.6	11.5	63.2
06/12/97	06.00	12.2	15.2	.0	.0	580.1	12.5	64.8
06/12/97	06.30	12.9	23.0	.0	.0	599.2	13.5	62.9
06/12/97	07.00	14.0	32.2	.0	.0	607.1	14.5	59.6
06/12/97	07.30	15.2	37.1	.0	.0	608.7	15.5	56.1
06/12/97	08.00	16.1	41.1	.0	.0	615.9	16.5	53.5
06/12/97	08.30	16.9	43.7	.0	.0	628.3	17.0	52.6
06/12/97	09.00	17.3	42.2	.1	.0	631.3	17.0	51.9
06/12/97	09.30	17.4	36.1	1.3	.0	634.3	17.0	53.8

06/12/97	10.00	16.8	32.9	.0	.0	671.4	17.0	55.7
06/12/97	10.30	17.1	34.7	.0	.0	864.6	17.0	55.2
06/12/97	11.00	17.4	30.3	.0	.0	1000.0	17.0	55.3
06/12/97	11.30	17.1	26.4	.0	.0	1144.1	17.0	57.3
06/12/97	12.00	17.5	23.9	1.6	.0	1335.0	17.0	57.6
06/12/97	12.30	17.6	22.1	2.7	.0	1408.0	17.0	58.1
06/12/97	13.00	17.1	21.0	1.6	.0	1399.7	17.0	60.4
06/12/97	13.30	16.1	22.7	.0	.0	1469.2	17.0	63.1
06/12/97	14.00	16.5	31.1	.0	.0	1559.1	17.0	62.4
06/12/97	14.30	17.3	31.6	.0	.0	1703.7	17.0	60.5
06/12/97	15.00	17.0	27.1	.0	.0	1832.2	17.0	61.9
06/12/97	15.30	16.5	28.1	.0	.0	1936.2	17.0	63.1
06/12/97	16.00	16.6	33.0	.0	.0	1976.2	17.0	62.3
06/12/97	16.30	17.2	33.3	.0	.0	1835.2	16.9	61.1
06/12/97	17.00	16.6	28.3	7.4	.0	1354.5	15.8	61.2
06/12/97	17.30	15.7	24.6	10.0	.0	709.7	13.8	60.6
06/12/97	18.00	13.7	21.6	32.9	4.9	483.7	11.8	66.3
06/12/97	18.30	12.5	19.2	32.4	7.7	441.1	10.1	68.0
06/12/97	19.00	11.9	17.4	29.4	3.4	439.1	10.0	70.4
06/12/97	19.30	11.8	16.0	32.0	2.0	441.2	10.0	71.0
06/12/97	20.00	11.9	15.2	26.0	2.7	445.0	10.0	71.4
06/12/97	20.30	12.4	14.5	15.2	1.8	460.5	10.0	71.6
06/12/97	21.00	11.5	14.0	26.9	.4	449.6	10.0	75.4
06/12/97	21.30	11.4	13.6	25.0	.0	453.3	10.0	73.3
06/12/97	22.00	11.3	13.3	22.4	.0	456.1	10.0	71.5
06/12/97	22.30	11.4	13.1	23.7	.0	455.0	10.0	70.8
06/12/97	23.00	11.4	12.8	24.6	.0	454.8	10.0	71.1
06/12/97	23.30	11.4	12.8	24.9	.0	458.1	10.0	71.6
07-12-97	00.00	11.4	12.7	23.6	.0	459.1	10.0	72.1
07/12/97	00.30	11.8	12.6	30.1	1.8	459.2	10.0	70.8
07/12/97	01.00	12.0	12.6	34.2	4.2	451.3	10.0	68.0
07/12/97	01.30	12.1	12.7	35.0	5.0	449.3	10.0	66.3
07/12/97	02.00	12.1	12.7	35.5	5.5	444.7	10.0	65.2
07/12/97	02.30	12.1	12.8	36.2	6.2	450.5	10.0	64.9
07/12/97	03.00	12.0	12.8	35.0	5.0	450.8	10.0	64.5
07/12/97	03.30	12.0	12.7	34.9	4.9	451.2	10.0	63.3
07/12/97	04.00	12.1	12.7	36.2	6.2	456.2	10.0	61.6
07/12/97	04.30	12.1	12.7	35.8	5.8	452.9	10.0	60.7
07/12/97	05.00	12.2	12.7	30.3	1.2	457.8	10.5	59.9
07/12/97	05.30	12.9	12.8	21.5	.0	484.1	11.5	60.0
07/12/97	06.00	13.1	13.2	6.9	.0	508.8	12.5	63.9
07/12/97	06.30	13.1	16.8	.0	.0	524.8	13.5	65.8
07/12/97	07.00	13.6	25.4	.0	.0	539.0	14.5	64.8
07/12/97	07.30	15.0	34.2	.0	.0	550.5	15.5	59.3
07/12/97	08.00	16.3	38.3	.0	.0	564.2	16.5	56.8
07/12/97	08.30	17.1	40.3	.0	.0	577.0	17.0	55.9
07/12/97	09.00	17.3	36.8	.0	.0	588.1	17.0	56.5
07/12/97	09.30	17.1	32.8	.0	.0	596.5	17.0	58.4
07/12/97	10.00	17.1	30.6	.0	.0	685.5	17.0	58.1
07/12/97	10.30	17.1	28.9	.0	.0	924.6	17.0	58.5
07/12/97	11.00	17.2	25.6	.0	.0	1115.7	17.0	60.3
07/12/97	11.30	17.1	23.3	.0	.0	1318.8	17.0	61.2
07/12/97	12.00	16.8	21.6	.0	.0	1547.5	17.0	62.4
07/12/97	12.30	17.1	22.2	.0	.0	1734.6	17.0	61.7
07/12/97	13.00	17.4	20.8	1.0	.0	1849.7	17.0	59.7
07/12/97	13.30	17.4	20.0	.0	.0	1968.2	17.0	60.4
07/12/97	14.00	17.4	19.4	.1	.0	2099.0	17.0	60.2
07/12/97	14.30	17.6	19.1	3.4	.0	2165.9	17.0	59.8
07/12/97	15.00	17.3	18.9	2.1	.0	2163.5	17.0	59.7
07/12/97	15.30	16.4	19.2	.0	.0	2281.5	17.0	61.1
07/12/97	16.00	16.2	26.4	.0	.0	2319.2	17.0	59.9
07/12/97	16.30	16.5	33.6	.0	.0	2186.5	16.9	58.0
07/12/97	17.00	16.5	32.2	7.2	.0	1833.2	15.8	55.3
07/12/97	17.30	14.8	26.5	18.2	.0	888.9	13.8	52.6
07/12/97	18.00	13.3	22.7	27.6	.4	539.0	11.8	51.2
07/12/97	18.30	11.4	19.7	15.7	10.0	460.8	10.1	53.6
07/12/97	19.00	10.9	17.3	.0	12.7	479.6	10.0	55.6

07/12/97	19.30	10.7	15.7	.0	9.4	509.7	10.0	57.5
07/12/97	20.00	10.7	14.5	.0	6.8	553.4	10.0	60.0
07/12/97	20.30	10.7	13.6	.0	6.2	599.1	10.0	62.4
07/12/97	21.00	10.5	13.1	.0	3.4	632.0	10.0	64.6
07/12/97	21.30	10.2	12.5	.0	.0	657.1	10.0	65.7
07/12/97	22.00	9.8	12.1	.0	.0	677.0	10.0	65.4
07/12/97	22.30	9.6	12.2	.0	.0	694.9	10.0	65.0
07/12/97	23.00	9.8	16.2	.0	.0	712.5	10.0	63.7
07/12/97	23.30	10.1	16.0	.0	.0	723.2	10.0	62.9
08-12-97	00.00	10.0	14.5	.0	.0	727.7	10.0	63.4
08/12/97	00.30	10.5	13.6	3.7	.0	722.4	10.0	63.2
08/12/97	01.00	11.1	13.1	14.9	.0	580.7	10.0	58.4
08/12/97	01.30	11.2	12.8	18.7	.0	483.9	10.0	52.9
08/12/97	02.00	11.3	12.5	22.2	.0	453.4	10.0	50.1
08/12/97	02.30	11.4	12.4	23.1	.0	443.1	10.0	48.8
08/12/97	03.00	11.4	12.3	19.3	.0	441.1	10.0	48.7
08/12/97	03.30	11.5	12.3	13.1	.0	465.2	10.0	54.9
08/12/97	04.00	11.3	12.3	18.8	.0	466.1	10.0	59.6
08/12/97	04.30	11.8	12.3	15.6	.2	464.5	10.0	58.8
08/12/97	05.00	12.2	12.3	10.0	.0	486.0	10.5	59.7
08/12/97	05.30	12.3	12.5	6.7	.0	511.0	11.5	62.9
08/12/97	06.00	12.4	14.5	.0	.0	530.0	12.5	65.0
08/12/97	06.30	13.1	19.0	.0	.0	545.3	13.5	64.5
08/12/97	07.00	14.2	24.7	.0	.0	560.3	14.5	63.2
08/12/97	07.30	15.3	28.5	.0	.0	576.0	15.5	60.3
08/12/97	08.00	16.0	33.2	.0	.0	584.7	16.5	59.8
08/12/97	08.30	16.9	38.3	.0	.0	590.7	17.0	58.8
08/12/97	09.00	17.3	34.3	2.1	.0	606.5	17.0	58.4
08/12/97	09.30	16.4	34.9	.0	.0	626.8	17.0	61.9
08/12/97	10.00	16.9	37.9	.0	.0	660.5	17.0	60.5
08/12/97	10.30	17.3	36.2	.0	.0	752.7	17.0	60.6
08/12/97	11.00	16.9	33.1	.0	.0	874.9	17.0	62.3
08/12/97	11.30	17.5	32.0	2.3	.0	995.3	17.0	61.6
08/12/97	12.00	17.6	27.2	2.9	1.0	1010.5	17.0	61.5
08/12/97	12.30	17.5	24.5	1.1	.0	1023.7	17.0	63.0
08/12/97	13.00	17.3	22.6	.0	.0	1199.3	17.0	65.2
08/12/97	13.30	16.9	21.1	.0	.0	1216.1	17.0	67.2
08/12/97	14.00	16.6	21.3	.0	.0	1325.4	17.0	68.2
08/12/97	14.30	16.8	24.4	.0	.0	1781.5	17.0	68.9
08/12/97	15.00	16.2	28.0	.0	.0	1360.8	17.0	64.9
08/12/97	15.30	17.7	29.4	6.1	.0	932.8	17.0	60.6
08/12/97	16.00	17.7	25.2	6.6	.0	837.6	17.0	60.7
08/12/97	16.30	17.1	23.2	.6	.0	750.0	16.9	64.3
08/12/97	17.00	16.1	21.4	2.5	.0	718.6	15.8	66.9
08/12/97	17.30	14.9	19.7	17.7	.0	570.0	13.8	66.9
08/12/97	18.00	13.6	18.3	31.8	2.3	435.5	11.8	69.1
08/12/97	18.30	12.0	16.8	36.1	6.2	414.1	10.1	72.7
08/12/97	19.00	11.5	15.7	27.1	.0	417.1	10.0	74.0
08/12/97	19.30	11.5	14.7	27.1	.0	417.5	10.0	74.3
08/12/97	20.00	11.3	14.1	23.9	.0	416.8	10.0	75.2
08/12/97	20.30	11.2	13.5	21.2	.0	419.2	10.0	75.6
08/12/97	21.00	11.3	13.3	21.5	.0	421.1	10.0	75.6
08/12/97	21.30	11.5	13.1	25.9	.0	422.7	10.0	75.6
08/12/97	22.00	11.6	12.9	27.8	.0	419.0	10.0	75.2
08/12/97	22.30	11.7	12.8	31.0	1.0	417.2	10.0	75.0
08/12/97	23.00	12.1	12.8	19.8	1.8	420.5	10.0	74.6
08/12/97	23.30	11.5	12.8	28.2	.6	421.4	10.0	79.3
09-12-97	00.00	11.5	12.8	27.3	.0	420.6	10.0	79.1
09/12/97	00.30	12.0	12.8	33.0	3.5	419.5	10.0	77.1
09/12/97	01.00	12.3	12.8	38.3	8.3	414.1	10.0	75.1
09/12/97	01.30	12.3	12.9	39.0	9.0	416.7	10.0	74.6
09/12/97	02.00	12.5	12.9	40.4	10.4	421.8	10.0	74.2
09/12/97	02.30	12.5	13.1	40.6	10.6	415.6	10.0	73.4
09/12/97	03.00	12.4	13.1	39.8	9.8	417.7	10.0	73.4
09/12/97	03.30	12.4	13.1	39.1	9.1	419.0	10.0	73.7
09/12/97	04.00	12.8	13.1	43.4	13.4	410.5	10.0	72.9
09/12/97	04.30	12.8	13.2	44.7	14.7	407.5	10.0	72.6

09/12/97	05.00	12.8	13.3	38.5	8.5	415.9	10.5	72.7
09/12/97	05.30	13.2	13.4	29.3	1.1	419.1	11.5	71.8
09/12/97	06.00	13.8	13.4	17.9	.0	433.5	12.5	70.7
09/12/97	06.30	14.3	13.7	6.7	.0	447.0	13.5	71.3
09/12/97	07.00	14.3	16.7	.0	.0	458.7	14.5	71.7
09/12/97	07.30	15.0	22.4	.0	.0	469.6	15.5	70.7
09/12/97	08.00	16.0	29.1	.0	.0	479.2	16.5	68.6
09/12/97	08.30	17.2	33.2	.0	.0	485.6	17.0	65.5
09/12/97	09.00	17.3	28.5	1.9	.0	495.8	17.0	64.9
09/12/97	09.30	16.9	26.0	.0	.0	516.0	17.0	66.5
09/12/97	10.00	17.3	24.8	.0	.0	570.0	17.0	64.4
09/12/97	10.30	17.6	22.5	3.3	.0	680.7	17.0	63.8
09/12/97	11.00	17.9	21.4	11.6	.0	663.3	17.0	61.1
09/12/97	11.30	18.0	20.7	14.1	.0	574.0	17.0	59.7
09/12/97	12.00	18.4	20.3	22.5	.0	535.5	17.0	56.8
09/12/97	12.30	17.9	19.9	15.2	.0	781.6	17.0	57.9
09/12/97	13.00	18.0	19.5	14.0	.0	903.4	17.0	58.6
09/12/97	13.30	18.1	19.3	15.9	.0	659.6	17.0	58.0
09/12/97	14.00	18.4	19.3	21.2	.3	554.7	17.0	56.1
09/12/97	14.30	18.3	19.4	25.3	.6	459.0	17.0	55.0
09/12/97	15.00	18.0	19.1	15.9	.0	619.6	17.0	58.0
09/12/97	15.30	17.5	18.8	5.1	.0	841.5	17.0	62.6
09/12/97	16.00	17.3	18.6	.0	.0	922.8	17.0	67.2
09/12/97	16.30	17.0	18.8	.0	.0	879.8	16.9	70.5
09/12/97	17.00	16.4	19.0	5.8	.0	805.4	15.8	71.4
09/12/97	17.30	15.8	18.3	10.0	.0	565.7	13.8	70.4
09/12/97	18.00	15.4	17.7	10.0	.0	470.0	11.8	71.5
09/12/97	18.30	13.8	17.0	29.6	10.3	428.4	10.1	76.5
09/12/97	19.00	12.3	16.0	38.7	8.7	406.8	10.0	79.1
09/12/97	19.30	12.2	15.3	38.0	8.0	404.4	10.0	78.0
09/12/97	20.00	12.2	14.7	37.6	7.6	398.7	10.0	78.9
09/12/97	20.30	12.3	14.3	38.5	8.5	403.6	10.0	78.9
09/12/97	21.00	12.2	14.0	37.3	7.3	404.6	10.0	79.7
09/12/97	21.30	12.2	13.8	37.3	7.3	402.6	10.0	81.0
09/12/97	22.00	12.3	13.6	38.0	8.0	402.2	10.0	80.5
09/12/97	22.30	12.8	13.6	10.0	.0	406.5	10.0	78.5
09/12/97	23.00	12.9	13.6	10.0	.0	409.2	10.0	80.5
09/12/97	23.30	13.0	13.6	10.0	.0	417.3	10.0	81.7
10-12-97	00.00	13.0	13.6	10.0	.0	419.8	10.0	82.3
10/12/97	00.30	13.5	13.6	10.0	.0	420.9	10.0	81.8
10/12/97	01.00	14.1	13.9	13.4	1.0	412.4	10.0	79.7
10/12/97	01.30	14.6	14.1	10.0	.0	414.2	10.0	78.9
10/12/97	02.00	14.8	14.4	10.0	.0	419.1	10.0	78.9
10/12/97	02.30	14.2	14.7	36.7	16.7	410.9	10.0	81.3
10/12/97	03.00	13.6	14.6	43.1	19.2	402.9	10.0	83.4
10/12/97	03.30	14.8	14.6	10.0	.0	412.4	10.0	78.8
10/12/97	04.00	14.0	14.7	47.0	22.3	414.0	10.0	79.6
10/12/97	04.30	13.4	14.6	58.8	12.6	399.1	10.0	78.4
10/12/97	05.00	13.5	14.5	48.6	14.3	398.0	10.5	78.1
10/12/97	05.30	13.9	14.5	38.1	8.8	399.1	11.5	75.8
10/12/97	06.00	14.3	14.5	30.7	1.6	399.6	12.5	73.1
10/12/97	06.30	14.8	14.7	21.1	.0	405.3	13.5	70.9
10/12/97	07.00	15.5	14.9	10.6	.0	407.0	14.5	70.2
10/12/97	07.30	16.0	15.3	1.9	.0	413.2	15.5	72.0
10/12/97	08.00	16.1	20.1	.0	.0	420.3	16.5	73.1
10/12/97	08.30	16.7	25.3	.0	.0	428.3	17.0	72.2
10/12/97	09.00	16.9	25.6	.0	.0	437.7	17.0	72.0
10/12/97	09.30	16.1	29.3	.0	.0	467.1	17.0	73.2
10/12/97	10.00	16.7	37.0	.0	.0	477.0	17.0	69.3
10/12/97	10.30	17.4	35.2	.0	.0	476.4	17.0	67.0
10/12/97	11.00	17.3	29.9	.3	.0	476.4	17.0	67.6
10/12/97	11.30	17.6	26.4	3.2	.0	509.8	17.0	68.2
10/12/97	12.00	17.5	23.9	.7	.0	837.2	17.0	69.9
10/12/97	12.30	17.4	22.1	.1	.0	916.5	17.0	71.2
10/12/97	13.00	17.3	20.9	.0	.0	959.8	17.0	72.6
10/12/97	13.30	17.2	20.0	.0	.0	1058.1	17.0	73.2
10/12/97	14.00	17.3	19.3	.0	.0	1165.0	17.0	74.7

10/12/97	14.30	17.4	18.8	.0	.0	1252.8	17.0	75.2
10/12/97	15.00	17.6	18.6	3.2	.0	1263.3	17.0	76.0
10/12/97	15.30	17.7	18.5	6.4	.0	853.9	17.0	75.9
10/12/97	16.00	17.6	18.5	4.6	.0	719.8	17.0	75.7
10/12/97	16.30	17.4	18.4	1.0	.0	675.9	16.9	76.6
10/12/97	17.00	16.5	18.1	8.4	.0	580.3	15.8	76.9
10/12/97	17.30	15.4	17.5	27.8	.8	428.7	13.8	75.8
10/12/97	18.00	14.3	16.9	40.9	10.9	400.1	11.8	77.1
10/12/97	18.30	13.1	16.1	47.8	17.8	398.6	10.1	80.6
10/12/97	19.00	12.6	15.5	42.5	12.5	401.1	10.0	82.0
10/12/97	19.30	12.3	14.9	39.4	9.4	397.1	10.0	80.8
10/12/97	20.00	12.2	14.4	36.9	6.9	401.9	10.0	81.8
10/12/97	20.30	12.1	14.1	36.4	6.4	400.6	10.0	82.3
10/12/97	21.00	12.2	13.8	37.3	7.3	394.8	10.0	81.4
10/12/97	21.30	12.3	13.6	38.0	8.0	395.8	10.0	81.7
10/12/97	22.00	12.3	13.6	38.0	8.0	394.8	10.0	81.6
10/12/97	22.30	12.3	13.5	39.1	9.1	391.1	10.0	81.0
10/12/97	23.00	12.5	13.4	40.4	10.4	391.2	10.0	80.2
10/12/97	23.30	12.6	13.4	42.0	12.0	392.8	10.0	79.4
11-12-97	00.00	12.4	13.4	40.4	10.4	396.6	10.0	80.4
11/12/97	00.30	12.9	13.4	43.7	13.7	397.5	10.0	79.2
11/12/97	01.00	13.6	13.6	28.0	8.7	395.0	10.0	76.6
11/12/97	01.30	13.7	13.8	47.4	21.4	394.1	10.0	77.2
11/12/97	02.00	13.4	13.9	48.4	20.4	388.9	10.0	76.9
11/12/97	02.30	13.3	14.0	51.0	21.0	394.3	10.0	75.9
11/12/97	03.00	13.5	14.1	52.0	22.6	396.1	10.0	75.9
11/12/97	03.30	13.9	14.2	38.1	16.7	396.5	10.0	75.7
11/12/97	04.00	13.3	14.3	51.7	21.7	394.9	10.0	78.1
11/12/97	04.30	13.5	14.2	52.0	22.0	411.2	10.0	79.0
11/12/97	05.00	13.8	14.4	49.9	19.9	397.2	10.5	80.8
11/12/97	05.30	14.4	14.4	39.9	12.6	397.9	11.5	78.3
11/12/97	06.00	14.8	14.6	33.0	6.3	397.1	12.5	75.5
11/12/97	06.30	15.1	14.8	23.9	.6	405.7	13.5	74.2
11/12/97	07.00	15.4	15.1	10.5	.0	407.4	14.5	75.0
11/12/97	07.30	15.6	16.5	.0	.0	413.3	15.5	75.7
11/12/97	08.00	16.0	21.3	.0	.0	421.4	16.5	75.0
11/12/97	08.30	16.7	27.3	.0	.0	430.3	17.0	73.0
11/12/97	09.00	17.4	26.9	.4	.0	440.6	17.0	70.6
11/12/97	09.30	17.5	23.9	.7	.0	447.9	17.0	71.2
11/12/97	10.00	17.6	22.2	2.8	.0	486.8	17.0	72.3
11/12/97	10.30	17.6	21.0	4.4	.0	735.9	17.0	73.7
11/12/97	11.00	17.7	20.2	7.8	.0	736.3	17.0	73.6
11/12/97	11.30	17.5	19.6	2.6	.0	665.8	17.0	74.5
11/12/97	12.00	17.6	19.2	3.6	.0	837.9	17.0	73.9
11/12/97	12.30	17.8	19.1	7.8	.0	661.6	17.0	71.4
11/12/97	13.00	18.3	19.2	20.1	.0	601.8	17.0	67.0
11/12/97	13.30	18.6	19.4	27.8	.2	468.6	17.0	63.1
11/12/97	14.00	18.8	19.7	32.4	2.4	446.0	17.0	62.2
11/12/97	14.30	18.6	19.7	29.4	.2	462.1	17.0	62.8
11/12/97	15.00	18.4	19.5	24.5	.0	454.3	17.0	62.4
11/12/97	15.30	18.0	19.3	16.6	.0	527.0	17.0	63.4
11/12/97	16.00	18.0	19.0	14.2	.0	677.8	17.0	65.3
11/12/97	16.30	17.7	18.8	7.7	.0	571.5	16.9	68.5
11/12/97	17.00	16.8	18.5	15.4	.0	514.6	15.8	71.1
11/12/97	17.30	15.9	18.1	35.2	5.3	418.0	13.8	71.2
11/12/97	18.00	15.0	17.4	48.2	18.2	401.3	11.8	72.5
11/12/97	18.30	13.9	16.7	58.3	28.3	394.0	10.1	75.6
11/12/97	19.00	13.9	16.1	19.9	5.2	399.9	10.0	75.9
11/12/97	19.30	14.0	15.8	21.4	6.7	411.0	10.0	78.4
11/12/97	20.00	12.9	15.4	47.8	17.8	392.5	10.0	77.5
11/12/97	20.30	12.8	14.9	45.0	15.0	396.0	10.0	75.7
11/12/97	21.00	12.8	14.6	44.3	14.3	405.0	10.0	76.0
11/12/97	21.30	12.6	14.3	42.6	12.6	397.8	10.0	77.3
11/12/97	22.00	12.6	14.0	39.8	11.1	391.6	10.0	76.0
11/12/97	22.30	12.5	13.9	41.0	11.0	393.0	10.0	71.6
11/12/97	23.00	12.5	13.7	30.7	6.7	394.0	10.0	69.9
11/12/97	23.30	12.9	13.7	13.8	1.8	405.2	10.0	72.7

12-12-97	00.00	12.5	13.7	24.8	4.8	412.1	10.0	76.8
12/12/97	00.30	12.6	13.6	29.9	7.9	405.2	10.0	76.7
12/12/97	01.00	13.6	13.7	12.6	1.3	404.0	10.0	74.1
12/12/97	01.30	13.4	13.9	24.6	8.0	402.2	10.0	74.7
12/12/97	02.00	14.1	13.9	10.0	.0	403.5	10.0	72.5
12/12/97	02.30	13.4	14.0	36.2	14.2	401.8	10.0	74.0
12/12/97	03.00	12.9	14.1	40.3	13.0	399.8	10.0	75.7
12/12/97	03.30	12.5	13.9	42.0	12.0	399.8	10.0	77.6
12/12/97	04.00	13.0	13.9	27.4	6.1	406.7	10.0	75.6
12/12/97	04.30	13.4	14.0	33.0	11.7	410.3	10.0	75.4
12/12/97	05.00	13.3	13.9	24.8	5.4	407.4	10.5	74.8
12/12/97	05.30	13.8	14.1	24.9	4.2	411.6	11.5	74.2
12/12/97	06.00	14.4	14.3	10.0	.0	424.7	12.5	74.0
12/12/97	06.30	14.5	14.4	9.8	.0	439.1	13.5	75.4
12/12/97	07.00	14.6	16.0	.2	.0	448.4	14.5	75.7
12/12/97	07.30	15.0	20.5	.0	.0	453.4	15.5	73.9
12/12/97	08.00	15.9	26.8	.0	.0	460.4	16.5	72.5
12/12/97	08.30	16.8	32.9	.0	.0	463.7	17.0	67.9
12/12/97	09.00	17.2	30.3	1.0	.0	471.5	17.0	67.2
12/12/97	09.30	16.2	32.3	.0	.0	481.7	17.0	70.2
12/12/97	10.00	17.1	38.1	.0	.0	515.4	17.0	66.6
12/12/97	10.30	17.7	32.7	5.6	.0	805.9	17.0	64.0
12/12/97	11.00	17.8	28.3	7.8	.0	800.7	17.0	62.9
12/12/97	11.30	18.1	25.5	17.2	.0	627.4	17.0	57.5
12/12/97	12.00	18.0	23.5	14.4	.0	626.3	17.0	57.3
12/12/97	12.30	18.0	22.0	14.2	.0	624.1	17.0	57.4
12/12/97	13.00	18.2	21.3	17.3	.0	590.7	17.0	55.5
12/12/97	13.30	17.5	20.5	4.2	.0	739.9	17.0	61.6
12/12/97	14.00	17.6	19.7	3.0	.0	917.5	17.0	63.9
12/12/97	14.30	17.5	19.3	4.5	.0	874.5	17.0	62.9
12/12/97	15.00	17.6	18.9	2.1	.0	958.1	17.0	64.9
12/12/97	15.30	17.8	18.9	10.0	.0	768.9	17.0	58.0
12/12/97	16.00	17.4	18.7	2.1	.0	759.9	17.0	60.2
12/12/97	16.30	16.9	19.1	.0	.0	737.4	16.9	66.9
12/12/97	17.00	16.4	19.5	5.9	.0	668.3	15.8	67.8
12/12/97	17.30	15.1	18.5	23.6	.0	468.4	13.8	58.6
12/12/97	18.00	13.8	17.7	34.4	4.5	403.9	11.8	53.1
12/12/97	18.30	12.6	16.7	41.5	11.5	398.0	10.1	55.8
12/12/97	19.00	11.9	15.9	34.1	4.1	401.3	10.0	58.0
12/12/97	19.30	11.5	15.2	22.6	5.3	403.8	10.0	61.2
12/12/97	20.00	11.3	14.5	16.8	5.0	405.6	10.0	62.9
12/12/97	20.30	11.0	14.0	15.8	.0	404.2	10.0	64.9
12/12/97	21.00	11.0	13.6	15.3	.0	408.0	10.0	64.8
12/12/97	21.30	10.9	13.3	11.9	.0	414.6	10.0	66.2
12/12/97	22.00	11.0	13.0	13.2	.0	417.3	10.0	66.0
12/12/97	22.30	11.1	12.9	17.3	.0	415.4	10.0	64.8
12/12/97	23.00	11.0	12.8	13.2	.0	417.3	10.0	66.5
12/12/97	23.30	11.0	12.6	13.1	.0	420.7	10.0	68.2
13-12-97	00.00	11.2	12.5	12.0	.0	419.8	10.0	66.3
13/12/97	00.30	11.4	12.3	14.8	.0	419.9	10.0	66.5
13/12/97	01.00	11.8	12.4	28.8	1.5	414.9	10.0	64.4
13/12/97	01.30	11.8	12.5	32.0	2.0	414.6	10.0	64.6
13/12/97	02.00	12.1	12.7	34.4	4.4	414.9	10.0	62.3
13/12/97	02.30	12.1	12.8	27.9	3.9	410.5	10.0	60.0
13/12/97	03.00	13.0	12.9	10.0	.0	409.6	10.0	63.2
13/12/97	03.30	11.9	13.0	33.4	4.8	414.7	10.0	68.2
13/12/97	04.00	11.9	12.9	32.6	2.6	421.4	10.0	66.5
13/12/97	04.30	11.9	12.9	33.3	3.3	421.7	10.0	65.2
13/12/97	05.00	12.1	12.9	27.0	.3	422.8	10.5	63.1
13/12/97	05.30	12.6	13.0	13.7	.0	423.9	11.5	64.3
13/12/97	06.00	12.9	13.2	1.2	.0	427.1	12.5	67.4
13/12/97	06.30	13.2	16.1	.0	.0	431.5	13.5	69.0
13/12/97	07.00	13.7	23.0	.0	.0	436.3	14.5	68.0
13/12/97	07.30	14.9	32.6	.0	.0	443.1	15.5	63.2
13/12/97	08.00	16.3	37.2	.0	.0	449.2	16.5	61.3
13/12/97	08.30	17.0	39.8	.0	.0	454.4	17.0	59.8
13/12/97	09.00	17.5	36.2	.3	.0	463.4	17.0	59.8

13/12/97	09.30	17.4	30.3	.2	.0	469.6	17.0	61.7
13/12/97	10.00	17.8	26.7	6.8	.0	506.4	17.0	61.1
13/12/97	10.30	17.8	24.3	10.2	.0	800.5	17.0	61.8
13/12/97	11.00	18.5	22.7	23.4	.0	714.4	17.0	58.5
13/12/97	11.30	18.2	21.8	21.0	.0	631.3	17.0	57.0
13/12/97	12.00	18.3	21.1	21.9	.0	733.0	17.0	56.1
13/12/97	12.30	18.1	20.5	19.0	.0	640.0	17.0	55.7
13/12/97	13.00	18.4	20.2	23.3	.0	697.4	17.0	55.0
13/12/97	13.30	18.5	20.0	24.1	.0	557.0	17.0	53.8
13/12/97	14.00	18.1	19.9	20.8	.1	590.6	17.0	55.0
13/12/97	14.30	17.9	19.4	12.9	.0	932.5	17.0	58.8
13/12/97	15.00	17.8	19.1	10.1	.0	1037.1	17.0	62.8
13/12/97	15.30	17.9	18.9	11.4	.0	1082.1	17.0	66.2
13/12/97	16.00	17.6	18.8	7.4	.0	1097.0	17.0	68.6
13/12/97	16.30	16.9	19.3	.0	.0	1049.1	16.9	70.6
13/12/97	17.00	16.1	20.1	3.0	.0	992.6	15.8	70.8
13/12/97	17.30	15.0	18.7	21.5	.0	718.5	13.8	68.8
13/12/97	18.00	14.2	17.8	38.3	8.3	476.1	11.8	68.7
13/12/97	18.30	13.1	16.8	47.7	17.7	413.3	10.1	70.0
13/12/97	19.00	12.5	16.0	41.9	11.9	409.4	10.0	70.5
13/12/97	19.30	12.4	15.5	39.6	9.6	409.8	10.0	69.6
13/12/97	20.00	12.3	15.0	39.0	9.0	412.6	10.0	70.4
13/12/97	20.30	12.2	14.6	37.4	7.4	413.5	10.0	71.2
13/12/97	21.00	12.1	14.3	36.6	6.6	410.4	10.0	71.8
13/12/97	21.30	12.2	14.0	36.8	6.8	412.5	10.0	72.1
13/12/97	22.00	12.3	13.9	37.5	7.5	414.8	10.0	72.2
13/12/97	22.30	12.1	13.7	36.8	6.8	413.2	10.0	72.0
13/12/97	23.00	12.0	13.6	31.6	4.3	409.6	10.0	73.4
13/12/97	23.30	12.5	13.5	10.0	.0	416.3	10.0	73.5
14-12-97	00.00	12.1	13.4	26.2	4.2	419.9	10.0	77.1
14/12/97	00.30	12.3	13.2	36.5	6.5	413.1	10.0	77.3
14/12/97	01.00	12.7	13.3	43.3	13.3	412.5	10.0	75.9
14/12/97	01.30	12.8	13.4	43.5	13.5	412.9	10.0	75.1
14/12/97	02.00	13.4	13.5	14.8	2.1	412.9	10.0	72.5
14/12/97	02.30	13.0	13.6	42.7	15.4	410.0	10.0	75.7
14/12/97	03.00	13.0	13.6	34.8	10.2	408.8	10.0	74.6
14/12/97	03.30	13.3	13.7	27.8	9.1	412.9	10.0	74.3
14/12/97	04.00	12.7	13.7	43.0	13.0	406.9	10.0	76.9
14/12/97	04.30	12.7	13.7	43.2	13.2	405.8	10.0	76.3
14/12/97	05.00	13.0	13.7	37.5	9.5	409.1	10.5	73.4
14/12/97	05.30	13.8	13.8	11.9	.6	415.9	11.5	72.8
14/12/97	06.00	14.0	14.0	12.9	.0	421.5	12.5	74.9
14/12/97	06.30	14.3	14.2	5.8	.0	424.8	13.5	75.0
14/12/97	07.00	14.4	16.2	.0	.0	424.7	14.5	75.0
14/12/97	07.30	14.7	22.7	.0	.0	432.0	15.5	72.6
14/12/97	08.00	16.0	32.2	.0	.0	440.5	16.5	69.6
14/12/97	08.30	17.3	34.1	.3	.0	454.3	17.0	66.0
14/12/97	09.00	17.1	29.6	.0	.0	460.7	17.0	65.9
14/12/97	09.30	17.2	27.4	.0	.0	461.3	17.0	67.3
14/12/97	10.00	17.5	24.7	.0	.7	528.5	17.0	68.0
14/12/97	10.30	17.6	22.9	.0	4.7	1052.7	17.0	68.5
14/12/97	11.00	17.8	21.6	.0	9.4	1104.7	17.0	64.7
14/12/97	11.30	17.9	20.7	.0	11.4	986.6	17.0	60.4
14/12/97	12.00	18.1	20.2	.0	16.8	762.0	17.0	56.0
14/12/97	12.30	18.0	20.0	.0	15.0	698.3	17.0	54.3
14/12/97	13.00	18.3	20.0	.0	20.8	643.4	17.0	51.2
14/12/97	13.30	18.3	20.0	.0	21.8	601.3	17.0	48.5
14/12/97	14.00	18.3	20.0	.0	22.4	563.9	17.0	44.7
14/12/97	14.30	18.4	20.0	.0	24.0	598.7	17.0	44.5
14/12/97	15.00	18.1	19.6	.0	16.5	601.5	17.0	46.7
14/12/97	15.30	17.5	19.3	.0	6.1	762.2	17.0	52.9
14/12/97	16.00	16.2	20.0	.0	.0	926.7	17.0	60.7
14/12/97	16.30	16.1	29.7	.0	.0	890.4	16.9	61.1
14/12/97	17.00	16.5	32.0	.0	8.6	798.7	15.8	59.2
14/12/97	17.30	15.3	26.3	.0	21.5	504.4	13.8	55.3
14/12/97	18.00	13.8	23.2	6.2	36.2	421.7	11.8	59.6
14/12/97	18.30	12.4	20.5	8.9	38.9	416.0	10.1	57.5

14/12/97	19.00	11.6	18.4	2.2	30.3	417.3	10.0	60.2
14/12/97	19.30	11.0	16.7	.0	16.4	418.4	10.0	61.7
14/12/97	20.00	11.1	15.5	.0	17.2	420.2	10.0	60.9
14/12/97	20.30	11.1	14.7	.0	16.0	426.8	10.0	60.1
14/12/97	21.00	11.1	13.9	.0	15.7	431.9	10.0	60.1
14/12/97	21.30	11.0	13.4	.0	13.9	436.2	10.0	61.8
14/12/97	22.00	10.9	13.1	.0	13.0	440.3	10.0	64.2
14/12/97	22.30	11.1	12.7	.0	15.7	445.1	10.0	64.2
14/12/97	23.00	10.9	12.5	.0	12.7	450.0	10.0	65.6
14/12/97	23.30	11.0	12.3	.0	13.9	454.7	10.0	66.0
15-12-97	00.00	10.8	12.2	.0	10.9	455.9	10.0	68.0
15/12/97	00.30	10.7	12.0	.0	6.6	455.3	10.0	68.2
15/12/97	01.00	10.8	11.9	.0	10.1	446.3	10.0	64.8
15/12/97	01.30	10.9	11.9	.0	12.0	444.4	10.0	63.5
15/12/97	02.00	11.2	11.9	.0	18.9	438.7	10.0	62.1
15/12/97	02.30	11.3	12.0	.0	23.1	427.3	10.0	58.9
15/12/97	03.00	11.4	12.1	.0	24.3	424.1	10.0	57.2
15/12/97	03.30	11.2	12.2	.0	20.8	425.6	10.0	54.7
15/12/97	04.00	11.2	12.2	.0	20.0	427.0	10.0	53.4
15/12/97	04.30	11.1	12.1	.0	17.8	428.2	10.0	55.0
15/12/97	05.00	11.2	12.0	.0	5.9	427.5	10.5	60.2
15/12/97	05.30	11.3	13.6	.0	.0	429.6	11.5	63.1
15/12/97	06.00	11.9	20.4	.0	.0	433.0	12.5	61.0
15/12/97	06.30	13.4	25.9	.0	.0	438.7	13.5	61.5
15/12/97	07.00	14.2	28.2	.0	.0	440.1	14.5	61.7
15/12/97	07.30	14.7	34.8	.0	.0	439.8	15.5	59.8
15/12/97	08.00	15.8	41.0	.0	.0	446.0	16.5	56.3
15/12/97	08.30	17.0	45.1	.0	.0	453.8	17.0	55.5
15/12/97	09.00	16.5	45.3	.0	.0	458.4	17.0	53.7
15/12/97	09.30	16.4	51.2	.0	.0	470.0	17.0	52.0
15/12/97	10.00	17.4	52.9	.0	1.2	506.3	17.0	49.4
15/12/97	10.30	17.7	45.3	.0	6.1	800.8	17.0	47.5
15/12/97	11.00	17.6	36.8	.0	5.6	707.3	17.0	49.1
15/12/97	11.30	17.4	30.8	.0	1.4	764.4	17.0	54.2
15/12/97	12.00	16.8	27.0	.0	.0	1058.4	17.0	59.1
15/12/97	12.30	16.4	29.8	.0	.0	1327.8	17.0	60.4
15/12/97	13.00	17.2	32.3	.0	.0	1600.1	17.0	57.6
15/12/97	13.30	17.1	27.7	.0	.5	1499.0	17.0	57.8
15/12/97	14.00	16.9	37.1	.0	.0	1650.4	17.0	58.3
15/12/97	14.30	18.2	64.5	.0	15.6	1043.9	17.0	47.1
15/12/97	15.00	18.3	61.9	.0	21.3	592.6	17.0	38.3
15/12/97	15.30	18.4	61.2	.0	23.2	551.8	17.0	35.5
15/12/97	16.00	18.3	47.0	.0	22.1	558.2	17.0	36.1
15/12/97	16.30	18.0	46.8	.0	15.1	496.8	16.9	37.9
15/12/97	17.00	17.3	63.6	1.1	26.0	466.6	15.8	38.0
15/12/97	17.30	15.8	69.2	6.1	36.1	432.0	13.8	33.4
15/12/97	18.00	14.1	56.2	10.0	40.0	422.1	11.8	33.9
15/12/97	18.30	12.5	49.6	9.8	39.8	420.4	10.1	35.8
15/12/97	19.00	12.6	65.4	11.1	41.1	421.6	10.0	34.9
15/12/97	19.30	12.6	68.5	11.6	41.6	417.2	10.0	33.8
15/12/97	20.00	12.6	70.2	12.4	42.4	415.9	10.0	33.2
15/12/97	20.30	12.7	71.2	13.3	43.3	422.0	10.0	32.4
15/12/97	21.00	12.9	71.5	15.6	45.6	425.2	10.0	32.6
15/12/97	21.30	12.8	71.7	14.8	44.8	420.3	10.0	32.3
15/12/97	22.00	12.7	72.1	14.4	44.4	418.9	10.0	31.8
15/12/97	22.30	12.8	71.1	14.9	44.9	419.8	10.0	32.4
15/12/97	23.00	12.6	66.6	13.0	43.0	422.1	10.0	32.5
15/12/97	23.30	12.7	65.4	13.9	43.9	425.6	10.0	33.1
16-12-97	00.00	12.5	61.3	11.6	41.6	424.7	10.0	33.8
16/12/97	00.30	12.9	69.5	14.2	44.2	423.6	10.0	33.6
16/12/97	01.00	13.9	51.7	8.9	25.9	421.5	10.0	33.1
16/12/97	01.30	15.9	39.5	.0	.0	433.5	10.0	36.7
16/12/97	02.00	14.8	31.8	.0	.0	444.8	10.0	45.3
16/12/97	02.30	13.7	26.5	.0	.0	449.7	10.0	49.9
16/12/97	03.00	13.1	22.6	.0	.0	452.5	10.0	51.7
16/12/97	03.30	12.6	19.7	.0	.0	457.2	10.0	54.4
16/12/97	04.00	12.2	17.8	.0	.0	463.2	10.0	56.1

16/12/97	04.30	11.9	16.3	.0	.0	465.8	10.0	57.6
16/12/97	05.00	11.5	15.2	.0	.0	467.5	10.5	59.6
16/12/97	05.30	11.3	14.4	.0	.0	464.9	11.5	59.9
16/12/97	06.00	12.6	48.9	.0	.0	464.9	12.5	54.9
16/12/97	06.30	16.5	64.4	.0	.0	469.6	13.5	45.3
16/12/97	07.00	19.0	69.3	.0	.0	481.0	14.5	43.1
16/12/97	07.30	20.3	63.4	.0	.0	492.3	15.5	43.0
16/12/97	08.00	18.9	46.0	.0	.0	499.5	16.5	46.5
16/12/97	08.30	16.9	40.0	.0	.0	508.2	17.0	50.1
16/12/97	09.00	17.2	64.7	.0	.0	531.0	17.0	46.9
16/12/97	09.30	18.8	71.4	.0	.0	548.8	17.0	43.7
16/12/97	10.00	19.6	65.7	.0	.0	552.9	17.0	41.8
16/12/97	10.30	19.9	73.5	.0	.0	796.0	17.0	42.1
16/12/97	11.00	20.9	68.2	.0	.0	881.2	17.0	41.2
16/12/97	11.30	20.9	51.9	.0	.0	848.3	17.0	41.9
16/12/97	12.00	20.3	57.9	.0	.0	953.3	17.0	43.5
16/12/97	12.30	21.8	71.0	.0	.0	1102.7	17.0	39.5
16/12/97	13.00	19.7	69.6	.0	.0	859.9	17.0	42.6
16/12/97	13.30	17.8	59.7	.0	14.5	645.0	17.0	44.9
16/12/97	14.00	19.6	49.4	.0	13.6	764.2	17.0	44.3
16/12/97	14.30	20.4	39.1	10.0	30.3	988.6	17.0	47.5
16/12/97	15.00	15.9	39.7	.5	1.8	692.3	17.0	54.3
16/12/97	15.30	17.1	42.1	.0	.0	820.7	17.0	58.0
16/12/97	16.00	16.8	40.5	.0	.0	967.8	17.0	59.2
16/12/97	16.30	16.4	42.8	.0	.0	977.8	16.9	59.1
16/12/97	17.00	16.0	45.5	.0	2.3	943.7	15.8	58.4
16/12/97	17.30	14.3	38.5	.0	8.1	746.2	13.8	58.3
16/12/97	18.00	12.3	30.4	.0	10.7	600.5	11.8	60.3
16/12/97	18.30	10.7	24.5	.0	8.4	548.6	10.1	65.4
16/12/97	19.00	10.1	20.4	.0	.3	573.7	10.0	72.6
16/12/97	19.30	9.2	19.5	.0	.0	592.1	10.0	76.0
16/12/97	20.00	9.3	26.7	.0	.0	601.8	10.0	73.7
16/12/97	20.30	10.0	30.2	.0	.0	610.3	10.0	69.9
16/12/97	21.00	10.0	28.4	.0	.0	626.2	10.0	68.8
16/12/97	21.30	9.8	27.0	.0	.0	634.4	10.0	69.2
16/12/97	22.00	9.7	28.9	.0	.0	634.8	10.0	68.9
16/12/97	22.30	9.9	30.3	.0	.0	637.7	10.0	67.9
16/12/97	23.00	9.9	30.0	.0	.0	645.8	10.0	67.1
16/12/97	23.30	9.9	29.7	.0	.0	645.2	10.0	66.9
17-12-97	00.00	9.8	29.6	.0	.0	642.7	10.0	66.5
17/12/97	00.30	10.3	29.3	.0	1.6	640.9	10.0	64.8
17/12/97	01.00	10.5	23.6	.0	4.1	618.7	10.0	63.4
17/12/97	01.30	10.1	19.9	.0	.0	609.7	10.0	66.6
17/12/97	02.00	9.5	19.6	.0	.0	598.2	10.0	68.8
17/12/97	02.30	9.8	24.4	.0	.0	592.7	10.0	67.0
17/12/97	03.00	10.0	25.1	.0	.0	589.8	10.0	65.2
17/12/97	03.30	10.0	24.4	.0	.0	580.4	10.0	64.9
17/12/97	04.00	9.9	23.8	.0	.0	569.1	10.0	64.8
17/12/97	04.30	9.9	23.9	.0	.0	567.0	10.0	64.5
17/12/97	05.00	10.0	25.5	.0	.0	567.1	10.5	64.1
17/12/97	05.30	10.7	34.3	.0	.0	558.6	11.5	61.8
17/12/97	06.00	12.0	43.0	.0	.0	552.9	12.5	57.0
17/12/97	06.30	13.2	48.2	.0	.0	554.3	13.5	53.5
17/12/97	07.00	14.0	53.6	.0	.0	555.8	14.5	52.5
17/12/97	07.30	15.0	60.0	.0	.0	555.5	15.5	50.7
17/12/97	08.00	16.1	65.5	.0	.0	556.0	16.5	49.0
17/12/97	08.30	17.1	69.1	.0	.0	562.1	17.0	47.1
17/12/97	09.00	17.3	64.9	.0	.0	572.0	17.0	47.5
17/12/97	09.30	16.4	64.2	.0	.0	601.1	17.0	49.2
17/12/97	10.00	16.9	69.2	.0	.0	627.2	17.0	47.2
17/12/97	10.30	17.3	67.5	.0	.0	703.7	17.0	46.5
17/12/97	11.00	17.3	63.4	.0	.0	737.0	17.0	47.2
17/12/97	11.30	17.5	57.8	.0	3.5	727.0	17.0	46.8
17/12/97	12.00	17.5	51.3	.0	3.2	711.8	17.0	47.2
17/12/97	12.30	17.1	45.1	.0	1.4	728.6	17.0	51.0
17/12/97	13.00	16.3	48.8	.0	.0	768.3	17.0	53.7
17/12/97	13.30	16.6	53.8	.0	.0	759.4	17.0	51.1

17/12/97	14.00	17.0	57.1	.0	.2	776.6	17.0	48.6
17/12/97	14.30	17.4	53.0	.0	.8	980.6	17.0	48.4
17/12/97	15.00	17.1	49.2	.0	.0	1200.2	17.0	51.5
17/12/97	15.30	17.0	46.6	.0	.0	1410.4	17.0	53.1
17/12/97	16.00	16.7	47.2	.0	.0	1585.7	17.0	54.5
17/12/97	16.30	16.8	50.4	.0	.0	1537.0	16.9	53.9
17/12/97	17.00	16.3	46.9	.0	6.3	1317.7	15.8	53.3
17/12/97	17.30	14.3	37.9	.0	12.1	744.3	13.8	54.1
17/12/97	18.00	12.5	30.0	.0	16.5	543.9	11.8	56.2
17/12/97	18.30	10.9	24.6	.0	16.0	496.6	10.1	60.1
17/12/97	19.00	10.7	20.5	.0	11.5	532.7	10.0	65.6
17/12/97	19.30	10.6	17.9	.0	9.6	574.1	10.0	69.5
17/12/97	20.00	10.5	16.0	.0	4.8	602.1	10.0	72.4
17/12/97	20.30	10.4	14.6	.0	.0	620.8	10.0	75.1
17/12/97	21.00	10.2	13.6	.0	.0	636.8	10.0	76.7
17/12/97	21.30	10.0	12.9	.0	.0	656.5	10.0	78.1
17/12/97	22.00	9.9	12.3	.0	.0	677.5	10.0	79.0
17/12/97	22.30	9.8	11.8	.0	.0	695.1	10.0	78.8
17/12/97	23.00	9.7	13.3	.0	.0	706.0	10.0	79.5
17/12/97	23.30	9.8	15.0	.0	.0	712.7	10.0	78.7
18-12-97	00.00	9.9	15.5	.0	.0	717.4	10.0	78.1
18/12/97	00.30	10.2	14.7	.0	.2	723.3	10.0	75.0
18/12/97	01.00	10.6	13.6	.0	6.2	695.0	10.0	72.3
18/12/97	01.30	10.6	13.1	.0	7.2	646.6	10.0	70.9
18/12/97	02.00	10.6	12.7	.0	8.8	611.5	10.0	71.2
18/12/97	02.30	10.6	12.3	.0	8.5	594.8	10.0	72.2
18/12/97	03.00	10.7	12.1	.0	8.0	588.8	10.0	73.4
18/12/97	03.30	10.6	12.0	.0	7.7	597.0	10.0	72.9
18/12/97	04.00	10.6	11.9	.0	7.0	613.4	10.0	73.3
18/12/97	04.30	10.5	11.8	.0	3.0	622.1	10.0	73.5
18/12/97	05.00	10.6	12.1	.0	.1	624.5	10.5	73.8
18/12/97	05.30	10.9	16.8	.0	.0	634.9	11.5	74.3
18/12/97	06.00	11.9	24.9	.0	.0	643.8	12.5	70.9
18/12/97	06.30	13.2	32.1	.0	.0	653.8	13.5	67.4
18/12/97	07.00	14.4	35.4	.0	.0	664.0	14.5	63.8
18/12/97	07.30	15.0	38.6	.0	.0	675.1	15.5	61.9
18/12/97	08.00	16.1	44.7	.0	.0	683.3	16.5	60.0
18/12/97	08.30	17.2	47.8	.0	.0	688.5	17.0	58.4
18/12/97	09.00	17.1	43.2	.0	1.0	697.9	17.0	59.6
18/12/97	09.30	16.5	44.5	.0	.0	722.5	17.0	62.2
18/12/97	10.00	17.2	46.8	.0	.3	752.6	17.0	61.2
18/12/97	10.30	17.6	41.1	.0	6.7	921.3	17.0	59.4
18/12/97	11.00	17.3	33.9	.0	1.8	1039.4	17.0	61.8
18/12/97	11.30	17.6	29.5	.0	4.5	1150.3	17.0	61.4
18/12/97	12.00	17.3	26.0	.0	2.4	1190.7	17.0	62.1
18/12/97	12.30	17.2	23.6	.0	.0	1392.5	17.0	64.7
18/12/97	13.00	17.5	22.1	.0	2.5	1502.4	17.0	64.6
18/12/97	13.30	17.1	20.9	.0	.1	1637.1	17.0	69.2
18/12/97	14.00	16.4	20.0	.0	.0	1812.7	17.0	73.1
18/12/97	14.30	16.4	24.9	.0	.0	1984.6	17.0	73.4
18/12/97	15.00	17.0	27.9	.0	.0	2124.0	17.0	71.8
18/12/97	15.30	17.4	25.1	.0	.0	2247.7	17.0	71.3
18/12/97	16.00	17.1	23.0	.0	.0	2355.5	17.0	73.1
18/12/97	16.30	16.5	21.6	.0	.0	2247.8	16.9	74.9
18/12/97	17.00	15.8	24.5	.0	1.2	2091.7	15.8	73.9
18/12/97	17.30	14.7	21.6	.1	19.8	1312.2	13.8	71.7
18/12/97	18.00	13.4	19.8	10.2	40.2	582.8	11.8	72.4
18/12/97	18.30	11.7	17.8	11.0	41.0	446.3	10.1	78.2
18/12/97	19.00	11.5	16.2	6.6	36.6	453.4	10.0	81.1
18/12/97	19.30	11.4	15.2	4.4	34.4	456.6	10.0	82.5
18/12/97	20.00	11.2	14.3	1.8	31.8	457.7	10.0	83.0
18/12/97	20.30	11.2	13.7	.4	29.3	458.3	10.0	83.2
18/12/97	21.00	11.2	13.3	.7	30.3	464.6	10.0	81.7
18/12/97	21.30	11.2	13.1	.0	21.9	475.5	10.0	80.5
18/12/97	22.00	11.4	12.8	.0	10.0	529.7	10.0	83.4
18/12/97	22.30	11.0	12.7	.0	15.8	566.6	10.0	85.0
18/12/97	23.00	10.8	12.4	.0	15.6	580.0	10.0	84.9

18/12/97	23.30	10.9	12.3	.0	18.4	599.7	10.0	83.7
19/12/97	00.00	10.9	12.1	.0	19.2	590.1	10.0	83.7
19/12/97	00.30	11.3	12.1	1.8	17.1	599.6	10.0	83.0
19/12/97	01.00	11.5	12.2	2.3	20.3	552.5	10.0	80.8
19/12/97	01.30	11.4	12.2	2.3	23.0	536.1	10.0	80.2
19/12/97	02.00	12.0	12.3	.0	10.0	556.1	10.0	80.0
19/12/97	02.30	12.3	12.4	.0	10.0	592.9	10.0	79.7
19/12/97	03.00	12.5	12.6	.0	10.0	630.2	10.0	79.3
19/12/97	03.30	12.6	12.8	.0	10.0	665.1	10.0	78.6
19/12/97	04.00	12.5	12.9	3.5	16.1	694.2	10.0	78.8
19/12/97	04.30	11.4	12.8	4.6	30.0	547.5	10.0	79.7
19/12/97	05.00	11.9	12.8	1.5	22.0	531.7	10.5	79.4
19/12/97	05.30	12.4	12.8	.0	15.7	569.5	11.5	78.5
19/12/97	06.00	12.9	13.1	.0	1.6	621.8	12.5	78.5
19/12/97	06.30	13.1	16.6	.0	.0	653.8	13.5	78.2
19/12/97	07.00	13.7	23.8	.0	.0	684.9	14.5	77.3
19/12/97	07.30	15.1	33.4	.0	.0	714.2	15.5	72.2
19/12/97	08.00	16.6	37.0	.0	.0	738.7	16.5	68.3
19/12/97	08.30	17.5	34.6	.0	2.2	763.5	17.0	67.3
19/12/97	09.00	17.3	29.0	.0	1.1	796.8	17.0	69.5
19/12/97	09.30	17.0	25.7	.0	.0	831.9	17.0	72.3
19/12/97	10.00	16.8	25.2	.0	.0	866.1	17.0	73.2
19/12/97	10.30	17.0	25.1	.0	.0	1226.1	17.0	73.0
19/12/97	11.00	17.1	24.0	.0	.0	1697.3	17.0	72.8
19/12/97	11.30	16.2	24.8	.0	.0	2164.6	17.0	76.4
19/12/97	12.00	16.3	33.5	.0	.0	2501.7	17.0	75.0
19/12/97	12.30	17.4	35.6	.0	.9	2867.8	17.0	72.0
19/12/97	13.00	17.8	29.9	.0	12.5	2598.7	17.0	69.7
19/12/97	13.30	17.8	26.6	.0	14.2	1602.6	17.0	68.8
19/12/97	14.00	17.7	24.1	.0	11.2	1191.8	17.0	69.0
19/12/97	14.30	17.6	22.4	.0	6.2	1307.8	17.0	73.1
19/12/97	15.00	17.3	21.2	.0	1.1	1589.8	17.0	76.4
19/12/97	15.30	16.9	20.2	.0	.0	1811.0	17.0	78.2
19/12/97	16.00	16.6	20.7	.0	.0	1922.0	17.0	79.0
19/12/97	16.30	16.6	25.1	.0	.0	1755.1	16.9	76.8
19/12/97	17.00	16.4	25.4	10.4	.0	1328.9	15.8	73.6
19/12/97	17.30	14.9	22.1	29.0	1.3	578.1	13.8	71.9
19/12/97	18.00	13.7	19.9	43.6	13.6	424.0	11.8	72.0
19/12/97	18.30	12.1	18.0	49.1	19.1	402.8	10.1	74.9
19/12/97	19.00	11.5	16.4	37.9	7.9	419.5	10.0	77.9
19/12/97	19.30	11.5	15.4	35.3	7.3	417.4	10.0	79.4
19/12/97	20.00	11.6	14.5	37.7	7.7	417.1	10.0	79.6
19/12/97	20.30	11.5	14.0	37.2	7.2	412.6	10.0	79.0
19/12/97	21.00	11.5	13.6	37.8	7.8	411.9	10.0	79.7
19/12/97	21.30	11.5	13.4	36.2	6.2	410.4	10.0	80.5
19/12/97	22.00	11.4	13.2	35.0	5.0	422.1	10.0	81.7
19/12/97	22.30	11.5	13.0	35.9	5.9	430.3	10.0	81.4
19/12/97	23.00	11.3	12.8	33.3	3.3	434.5	10.0	82.1
19/12/97	23.30	11.3	12.7	33.3	3.3	439.5	10.0	82.4
20/12/97	00.00	11.0	12.6	22.2	4.6	441.6	10.0	82.6
20/12/97	00.30	11.2	12.3	1.3	24.2	457.3	10.0	80.6
20/12/97	01.00	11.6	12.3	7.9	37.9	449.5	10.0	78.2
20/12/97	01.30	11.8	12.3	12.1	42.1	462.9	10.0	78.1
20/12/97	02.00	12.1	12.5	16.3	46.3	446.8	10.0	77.2
20/12/97	02.30	12.0	12.7	18.4	48.4	440.0	10.0	76.7
20/12/97	03.00	11.7	12.7	13.2	43.2	460.8	10.0	77.2
20/12/97	03.30	11.6	12.5	8.2	38.2	494.2	10.0	77.4
20/12/97	04.00	11.5	12.5	7.2	37.2	495.3	10.0	77.0
20/12/97	04.30	11.6	12.4	7.3	37.3	496.5	10.0	76.4
20/12/97	05.00	11.7	12.4	2.5	28.2	505.5	10.5	75.9
20/12/97	05.30	12.0	12.6	.0	3.7	549.1	11.5	76.7
20/12/97	06.00	12.0	15.6	.0	.0	585.4	12.5	77.4
20/12/97	06.30	12.8	23.8	.0	.0	616.0	13.5	73.7
20/12/97	07.00	14.0	31.8	.0	.0	645.7	14.5	68.5
20/12/97	07.30	15.4	36.7	.0	.0	673.1	15.5	64.3
20/12/97	08.00	16.2	38.8	.0	.0	693.3	16.5	63.3
20/12/97	08.30	16.8	42.8	.0	.0	704.6	17.0	62.0

20/12/97	09.00	17.4	41.9	.0	.0	714.0	17.0	61.1
20/12/97	09.30	17.4	36.6	.0	.1	725.4	17.0	62.3
20/12/97	10.00	17.7	31.0	.0	7.0	754.6	17.0	62.2
20/12/97	10.30	17.9	27.3	.0	21.0	827.1	17.0	61.7
20/12/97	11.00	17.9	24.8	.0	21.0	784.2	17.0	62.4
20/12/97	11.30	18.2	23.2	.2	28.2	752.6	17.0	61.2
20/12/97	12.00	18.5	22.1	4.7	34.7	714.4	17.0	59.3
20/12/97	12.30	18.5	21.6	8.3	38.3	545.5	17.0	57.3
20/12/97	13.00	18.5	21.2	5.6	35.6	488.0	17.0	58.3
20/12/97	13.30	18.4	20.9	5.2	35.2	494.7	17.0	60.0
20/12/97	14.00	18.2	20.4	.6	29.6	508.7	17.0	62.6
20/12/97	14.30	18.3	20.2	1.9	31.9	517.5	17.0	63.0
20/12/97	15.00	18.0	19.9	.5	27.2	558.2	17.0	64.7
20/12/97	15.30	17.8	19.5	.0	17.0	879.6	17.0	67.7
20/12/97	16.00	17.2	19.3	.0	2.3	1076.1	17.0	71.5
20/12/97	16.30	16.4	21.8	.0	.0	1067.5	16.9	73.2
20/12/97	17.00	16.3	24.6	.0	9.2	1019.3	15.8	72.2
20/12/97	17.30	15.2	21.6	5.6	35.3	716.6	13.8	69.1
20/12/97	18.00	13.8	19.9	17.1	47.1	532.7	11.8	69.0
20/12/97	18.30	12.2	18.2	21.7	51.7	489.3	10.1	69.8
20/12/97	19.00	11.7	16.6	11.6	41.6	507.8	10.0	72.6
20/12/97	19.30	11.4	15.5	4.8	34.8	538.4	10.0	75.3
20/12/97	20.00	11.2	14.5	1.1	30.6	569.2	10.0	76.3
20/12/97	20.30	11.1	13.8	.0	26.7	597.8	10.0	76.7
20/12/97	21.00	11.0	13.4	.0	22.7	609.1	10.0	77.8
20/12/97	21.30	10.8	13.0	.0	17.1	613.5	10.0	78.4
20/12/97	22.00	10.7	12.7	.0	13.3	644.4	10.0	78.9
20/12/97	22.30	10.7	12.4	.0	10.6	687.9	10.0	79.7
20/12/97	23.00	10.7	12.2	.0	10.0	731.8	10.0	79.3
20/12/97	23.30	10.7	12.0	.0	9.7	771.4	10.0	79.2
21/12/97	00.00	10.6	11.9	.0	8.1	802.6	10.0	78.7
21/12/97	00.30	10.7	11.7	.0	8.2	814.7	10.0	76.9
21/12/97	01.00	10.9	11.7	.0	17.5	743.2	10.0	75.1
21/12/97	01.30	11.0	11.7	.0	22.4	683.2	10.0	74.1
21/12/97	02.00	11.0	11.8	.0	21.4	644.8	10.0	73.6
21/12/97	02.30	11.0	11.8	.0	21.8	617.1	10.0	73.6
21/12/97	03.00	10.9	11.9	11.8	9.0	593.1	10.0	73.7
21/12/97	03.30	10.8	11.8	11.0	4.7	598.1	10.0	74.0
21/12/97	04.00	10.7	11.8	.0	12.5	590.1	10.0	74.0
21/12/97	04.30	10.8	11.8	.0	17.0	578.5	10.0	73.8
21/12/97	05.00	11.1	11.9	.0	5.6	571.8	10.5	73.3
21/12/97	05.30	11.3	13.4	.0	.0	605.5	11.5	75.1
21/12/97	06.00	11.8	19.0	.0	.0	632.1	12.5	73.8
21/12/97	06.30	12.9	28.1	.0	.0	654.8	13.5	70.0
21/12/97	07.00	14.3	34.4	.0	.0	673.6	14.5	65.8
21/12/97	07.30	15.5	35.6	.0	.0	691.3	15.5	63.3
21/12/97	08.00	16.0	38.3	.0	.0	704.5	16.5	62.9
21/12/97	08.30	16.6	45.4	.0	.0	710.6	17.0	62.1
21/12/97	09.00	17.4	44.7	.0	.7	714.0	17.0	61.2
21/12/97	09.30	17.5	38.4	.0	2.6	727.8	17.0	62.5
21/12/97	10.00	17.2	33.0	.0	.0	753.3	17.0	64.8
21/12/97	10.30	17.1	30.7	.0	.0	955.4	17.0	64.9
21/12/97	11.00	17.0	28.4	.0	.0	1088.1	17.0	66.0
21/12/97	11.30	17.1	26.6	.0	.0	1242.0	17.0	66.9
21/12/97	12.00	16.9	24.8	.0	.0	1458.8	17.0	69.6
21/12/97	12.30	17.0	24.9	.0	.0	1650.3	17.0	69.5
21/12/97	13.00	16.8	24.1	.0	.0	1810.4	17.0	70.5
21/12/97	13.30	16.7	25.0	.0	.0	1944.3	17.0	70.7
21/12/97	14.00	16.4	28.9	.0	.0	2071.8	17.0	70.7
21/12/97	14.30	16.8	34.4	.0	.0	2232.6	17.0	67.2
21/12/97	15.00	17.4	33.1	.0	.4	2395.0	17.0	65.2
21/12/97	15.30	17.5	28.3	.0	4.7	2280.2	17.0	65.7
21/12/97	16.00	17.2	25.3	.0	.0	2242.4	17.0	69.0
21/12/97	16.30	16.5	23.0	.0	.0	2117.1	16.9	72.3
21/12/97	17.00	15.9	24.0	.0	2.4	1967.9	15.8	73.1
21/12/97	17.30	14.6	21.4	.0	20.0	1185.6	13.8	70.4
21/12/97	18.00	13.3	19.6	7.4	37.4	610.3	11.8	69.2

21/12/97	18.30	11.8	17.9	11.3	41.3	454.0	10.1	69.9
21/12/97	19.00	11.5	16.4	6.6	36.6	456.2	10.0	71.1
21/12/97	19.30	11.2	15.4	2.8	32.6	464.2	10.0	72.9
21/12/97	20.00	11.1	14.5	.0	26.5	464.9	10.0	74.0
21/12/97	20.30	11.1	13.8	.0	25.8	473.0	10.0	74.9
21/12/97	21.00	11.1	13.4	.0	25.6	492.4	10.0	75.4
21/12/97	21.30	10.9	13.1	.0	22.0	503.4	10.0	75.7
21/12/97	22.00	10.9	12.8	.0	20.1	527.3	10.0	76.8
21/12/97	22.30	10.8	12.5	.0	17.3	555.1	10.0	78.8
21/12/97	23.00	10.7	12.3	.0	14.7	590.3	10.0	80.0
21/12/97	23.30	10.7	12.1	.0	13.1	627.4	10.0	80.6
22-12-97	00.00	10.8	12.0	.0	14.5	653.0	10.0	80.2
22/12/97	00.30	11.0	12.0	.0	22.2	655.2	10.0	78.1
22/12/97	01.00	11.1	12.0	.0	25.7	565.0	10.0	74.9
22/12/97	01.30	11.0	12.0	.0	24.0	525.1	10.0	75.1
22/12/97	02.00	11.1	12.0	.0	27.1	513.9	10.0	75.2
22/12/97	02.30	11.2	12.0	.0	29.1	504.3	10.0	74.6
22/12/97	03.00	11.3	12.1	2.9	32.9	498.2	10.0	74.0
22/12/97	03.30	11.3	12.2	2.5	32.5	491.1	10.0	73.6
22/12/97	04.00	11.3	12.2	3.3	33.3	495.4	10.0	74.0
22/12/97	04.30	11.3	12.2	2.0	32.0	497.7	10.0	74.7
22/12/97	05.00	11.6	12.2	.0	23.2	521.2	10.5	75.1
22/12/97	05.30	12.3	12.4	.0	11.0	567.7	11.5	76.5
22/12/97	06.00	12.8	13.4	.0	.3	605.7	12.5	76.7
22/12/97	06.30	13.0	17.1	.0	.0	632.3	13.5	75.0
22/12/97	07.00	13.6	26.4	.0	.0	652.1	14.5	73.7
22/12/97	07.30	15.1	36.2	.0	.0	671.1	15.5	69.2
22/12/97	08.00	16.6	39.5	.0	.0	684.8	16.5	67.0
22/12/97	08.30	17.3	38.1	.0	.0	711.7	17.0	66.0
22/12/97	09.00	17.1	33.8	.0	.0	741.6	17.0	68.7
22/12/97	09.30	16.7	33.8	.0	.0	745.6	17.0	69.2
22/12/97	10.00	16.9	36.1	.0	.0	763.3	17.0	67.9
22/12/97	10.30	17.2	35.5	.0	.0	919.2	17.0	67.0
22/12/97	11.00	17.2	31.6	.0	.0	1107.9	17.0	67.1
22/12/97	11.30	16.9	29.8	.0	.0	1345.0	17.0	66.6
22/12/97	12.00	17.3	28.2	.0	.0	1604.0	17.0	65.2
22/12/97	12.30	16.9	26.1	.0	.0	1517.2	17.0	66.4
22/12/97	13.00	17.3	26.0	.0	2.6	1500.1	17.0	63.8
22/12/97	13.30	17.2	23.5	.0	4.1	1536.6	17.0	65.2
22/12/97	14.00	16.3	22.9	.0	.0	1684.1	17.0	69.3
22/12/97	14.30	16.1	28.2	.0	.0	1697.1	15.3	69.0
22/12/97	15.00	14.7	23.8	13.1	30.1	1450.9	12.0	68.2
22/12/97	15.30	13.7	21.3	9.3	39.3	871.5	12.0	63.6
22/12/97	16.00	13.7	19.3	9.8	39.8	676.5	12.0	62.0
22/12/97	16.30	13.5	18.0	7.9	37.9	538.1	11.7	61.9
22/12/97	17.00	9.7	16.5	90.4	97.8	445.3	4.0	64.1
22/12/97	17.30	8.1	14.6	61.0	91.0	425.9	4.0	66.0
22/12/97	18.00	7.8	13.1	53.2	83.2	424.0	4.0	67.7
22/12/97	18.30	7.0	11.8	38.4	68.4	422.0	4.0	71.8
22/12/97	19.00	7.1	10.9	38.5	68.5	432.3	4.0	72.4
22/12/97	19.30	6.6	10.4	30.4	60.4	427.6	4.0	73.9
22/12/97	20.00	6.5	9.7	27.1	57.1	436.4	4.0	74.4
22/12/97	20.30	6.5	9.2	25.4	55.4	434.1	4.0	74.6
22/12/97	21.00	6.6	8.9	27.8	57.8	444.0	4.0	74.8
22/12/97	21.30	6.9	8.8	33.0	63.0	442.2	4.0	73.5
22/12/97	22.00	6.8	8.7	33.3	63.3	437.3	4.0	74.0
22/12/97	22.30	6.8	8.5	32.5	62.5	439.4	4.0	73.5
22/12/97	23.00	6.7	8.4	32.0	62.0	434.5	4.0	74.0
22/12/97	23.30	6.7	8.3	29.3	59.3	437.6	4.0	74.5
23-12-97	00.00	6.9	8.3	34.4	64.4	438.6	4.0	73.9
23/12/97	00.30	7.6	8.4	44.7	74.7	441.4	4.0	70.8
23/12/97	01.00	8.0	8.6	54.0	84.0	440.8	4.0	68.9
23/12/97	01.30	8.1	8.8	56.6	86.6	440.6	4.0	69.1
23/12/97	02.00	8.1	8.9	57.0	87.0	437.8	4.0	69.2
23/12/97	02.30	8.1	9.0	57.0	87.0	438.9	4.0	69.1
23/12/97	03.00	8.2	9.1	60.8	90.8	437.8	4.0	68.2
23/12/97	03.30	8.1	9.1	60.6	90.6	439.3	4.0	68.3

23/12/97	04.00	8.2	9.2	58.9	88.9	447.2	4.0	67.5
23/12/97	04.30	8.5	9.3	64.8	94.8	445.6	4.0	66.1
23/12/97	05.00	8.3	9.3	54.1	84.1	443.7	4.4	67.0
23/12/97	05.30	8.6	9.4	37.0	67.0	456.6	5.4	67.3
23/12/97	06.00	9.0	9.5	25.3	55.3	463.3	6.4	66.2
23/12/97	06.30	9.4	9.7	14.3	44.3	459.7	7.4	65.6
23/12/97	07.00	10.1	10.0	5.7	35.7	467.8	8.5	65.1
23/12/97	07.30	10.6	10.4	.1	23.1	480.6	9.5	65.9
23/12/97	08.00	11.1	10.7	.0	2.7	517.9	10.5	67.8
23/12/97	08.30	11.7	12.0	.0	.0	560.9	11.5	71.9
23/12/97	09.00	12.0	13.5	.0	.0	605.4	12.0	72.9
23/12/97	09.30	12.1	13.1	.0	.0	653.5	12.0	72.3
23/12/97	10.00	12.2	13.1	.0	.0	689.4	12.0	71.7
23/12/97	10.30	12.3	13.1	.0	.1	795.3	12.0	71.8
23/12/97	11.00	12.6	13.1	.0	5.1	901.2	12.0	71.7
23/12/97	11.30	12.7	13.2	.0	8.0	1019.5	12.0	70.4
23/12/97	12.00	12.7	13.3	.0	11.8	1068.7	12.0	69.7
23/12/97	12.30	12.8	13.4	11.2	3.2	996.9	12.0	69.4
23/12/97	13.00	12.9	13.4	16.5	.0	926.1	12.0	69.3
23/12/97	13.30	12.6	13.4	9.3	.0	925.8	12.0	71.2
23/12/97	14.00	12.4	13.4	.9	.0	1063.1	12.0	74.8
23/12/97	14.30	12.6	13.4	4.5	.0	1200.2	12.0	75.7
23/12/97	15.00	12.7	13.4	10.3	.0	1153.1	12.0	75.3
23/12/97	15.30	12.9	13.4	18.8	.0	1001.3	12.0	72.7
23/12/97	16.00	12.9	13.4	16.0	.0	813.3	12.0	72.0
23/12/97	16.30	12.8	13.4	15.5	.0	662.9	11.7	73.3
23/12/97	17.00	10.3	13.2	97.6	96.6	482.4	4.0	76.8
23/12/97	17.30	9.6	12.5	100.0	100.0	442.5	4.0	78.1
23/12/97	18.00	9.6	12.0	100.0	100.0	435.5	4.0	77.9
23/12/97	18.30	9.2	11.5	100.0	94.4	430.9	4.0	79.8
23/12/97	19.00	8.8	11.2	100.0	82.0	432.5	4.0	81.7
23/12/97	19.30	8.7	10.8	99.5	73.5	433.7	4.0	82.2
23/12/97	20.00	8.5	10.7	99.0	69.0	434.9	4.0	83.5
23/12/97	20.30	8.3	10.5	93.6	63.6	426.8	4.0	84.1
23/12/97	21.00	8.3	10.3	93.0	63.0	425.5	4.0	85.6
23/12/97	21.30	8.2	10.1	93.0	63.0	420.7	4.0	86.6
23/12/97	22.00	8.1	10.0	89.0	59.0	416.6	4.0	87.6
23/12/97	22.30	8.6	9.9	41.9	24.5	417.7	4.0	85.9
23/12/97	23.00	8.3	9.9	86.2	62.9	418.8	4.0	87.7
23/12/97	23.30	8.9	9.9	20.6	8.0	422.1	4.0	84.5
24-12-97	00.00	9.4	10.1	10.0	.0	424.9	4.0	82.2
24/12/97	00.30	10.2	10.4	10.0	.0	425.1	4.0	81.6
24/12/97	01.00	10.6	10.6	28.0	20.0	419.9	4.0	81.6
24/12/97	01.30	9.9	10.7	58.0	63.3	411.0	4.0	83.8
24/12/97	02.00	9.3	10.7	88.0	86.6	408.3	4.0	85.7
24/12/97	02.30	9.9	10.7	79.0	80.0	410.0	4.0	85.6
24/12/97	03.00	9.9	10.7	100.0	100.0	414.2	4.0	86.6
24/12/97	03.30	10.4	10.8	94.0	93.3	415.3	4.0	86.3
24/12/97	04.00	10.7	11.1	85.0	83.3	410.9	4.0	87.1
24/12/97	04.30	11.0	11.3	70.0	60.0	410.9	4.0	87.5
24/12/97	05.00	11.7	11.5	40.0	36.6	408.9	4.4	85.9
24/12/97	05.30	12.4	11.9	10.0	3.3	410.5	5.4	83.3
24/12/97	06.00	12.4	12.3	76.0	72.3	413.2	6.4	84.3
24/12/97	06.30	12.5	12.5	58.0	44.0	402.4	7.4	85.3
24/12/97	07.00	13.1	12.8	10.0	.0	413.6	8.5	85.0
24/12/97	07.30	13.0	13.1	66.8	39.4	415.4	9.5	86.6
24/12/97	08.00	13.1	13.2	38.9	16.1	406.3	10.5	85.6
24/12/97	08.30	13.3	13.4	39.2	11.2	423.2	11.5	85.8
24/12/97	09.00	13.7	13.6	21.0	4.3	425.5	12.0	85.8
24/12/97	09.30	13.7	13.8	40.0	10.0	444.9	12.0	87.0
24/12/97	10.00	13.8	14.0	42.3	12.3	430.1	12.0	86.9
24/12/97	10.30	13.9	14.2	44.5	14.5	434.3	12.0	85.5
24/12/97	11.00	14.0	14.4	46.6	16.6	451.3	12.0	85.0
24/12/97	11.30	14.2	14.6	48.0	18.6	481.2	12.0	84.4
24/12/97	12.00	14.4	14.7	54.0	24.0	477.9	12.0	84.0
24/12/97	12.30	14.5	15.0	55.4	26.0	443.9	12.0	84.5
24/12/97	13.00	14.7	15.2	42.1	19.4	535.0	12.0	85.0

24/12/97	13.30	14.2	15.2	45.9	19.9	438.1	12.0	86.7
24/12/97	14.00	13.9	15.2	41.5	14.1	520.5	12.0	87.9
24/12/97	14.30	13.8	15.0	42.4	12.4	440.7	12.0	87.9
24/12/97	15.00	14.1	15.0	32.2	10.8	468.8	12.0	86.9
24/12/97	15.30	14.4	15.1	39.3	14.7	588.4	12.0	86.9
24/12/97	16.00	14.6	15.2	50.4	23.7	484.3	12.0	85.3
24/12/97	16.30	14.4	15.2	54.9	24.9	401.9	11.7	84.5
24/12/97	17.00	13.9	15.1	98.5	97.5	404.0	4.0	83.6
24/12/97	17.30	14.0	14.9	49.0	43.3	405.6	4.0	82.9
24/12/97	18.00	14.5	15.0	10.0	.0	403.8	4.0	83.9
24/12/97	18.30	13.9	14.9	10.0	.0	407.0	4.0	87.4
24/12/97	19.00	13.2	14.7	10.0	.0	407.0	4.0	89.2
24/12/97	19.30	13.0	14.5	10.0	.0	402.3	4.0	88.9
24/12/97	20.00	12.7	14.3	34.0	26.6	401.3	4.0	88.7
24/12/97	20.30	12.4	13.9	19.0	10.0	398.8	4.0	89.2
24/12/97	21.00	12.3	13.7	94.0	93.3	396.6	4.0	88.6
24/12/97	21.30	12.3	13.4	100.0	100.0	403.7	4.0	85.9
24/12/97	22.00	12.3	13.2	100.0	100.0	398.0	4.0	84.0
24/12/97	22.30	12.3	13.1	100.0	100.0	393.4	4.0	82.4
24/12/97	23.00	12.3	13.1	100.0	40.0	399.8	4.0	80.5
24/12/97	23.30	12.0	13.1	100.0	.0	403.4	4.0	79.3
25-12-97	00.00	11.5	12.9	100.0	.0	404.6	4.0	79.0
25/12/97	00.30	11.9	12.8	100.0	.0	406.8	4.0	77.6
25/12/97	01.00	12.2	12.8	100.0	.0	404.1	4.0	75.5
25/12/97	01.30	12.1	12.8	100.0	.0	401.6	4.0	73.5
25/12/97	02.00	12.0	12.8	100.0	.0	402.5	4.0	72.0
25/12/97	02.30	12.0	12.8	100.0	.0	402.9	4.0	72.7
25/12/97	03.00	12.0	12.8	100.0	.0	397.9	4.0	72.5
25/12/97	03.30	11.8	12.8	100.0	.0	401.5	4.0	71.0
25/12/97	04.00	11.6	12.8	100.0	.0	404.3	4.0	73.5
25/12/97	04.30	11.7	12.7	100.0	.0	399.0	4.0	75.0
25/12/97	05.00	11.7	12.7	100.0	.0	402.0	4.4	72.1
25/12/97	05.30	11.6	12.7	100.0	.0	403.2	5.4	73.0
25/12/97	06.00	11.6	12.6	100.0	.0	399.7	6.4	74.9
25/12/97	06.30	11.4	12.5	86.4	56.4	403.0	7.4	75.4
25/12/97	07.00	11.2	12.3	61.8	31.8	403.1	8.5	76.4
25/12/97	07.30	11.3	12.3	42.2	12.2	392.7	9.5	78.6
25/12/97	08.00	11.7	12.3	27.9	1.5	402.2	10.5	78.3
25/12/97	08.30	12.2	12.4	7.5	.0	409.2	11.5	76.4
25/12/97	09.00	12.8	12.7	11.0	.0	412.2	12.0	76.5
25/12/97	09.30	12.9	12.9	18.7	.0	409.2	12.0	74.5
25/12/97	10.00	12.9	13.1	19.3	.0	413.5	12.0	73.1
25/12/97	10.30	13.1	13.4	27.6	.3	440.2	12.0	71.6
25/12/97	11.00	13.5	13.6	35.1	5.1	445.6	12.0	69.3
25/12/97	11.30	13.7	14.0	41.0	11.0	459.5	12.0	68.6
25/12/97	12.00	13.6	14.3	39.1	9.1	476.9	12.0	70.1
25/12/97	12.30	13.5	14.5	37.2	7.2	461.2	12.0	71.2
25/12/97	13.00	13.7	14.5	28.7	6.0	488.5	12.0	73.5
25/12/97	13.30	13.5	14.5	35.9	5.9	476.5	12.0	75.4
25/12/97	14.00	14.4	14.5	14.6	1.3	510.3	12.0	74.1
25/12/97	14.30	14.9	14.7	13.6	2.2	824.2	12.0	76.6
25/12/97	15.00	15.5	15.0	10.0	.0	986.8	12.0	77.5
25/12/97	15.30	14.4	15.2	50.3	23.7	589.3	12.0	81.7
25/12/97	16.00	14.4	15.2	33.1	11.8	444.2	12.0	80.6
25/12/97	16.30	15.6	15.2	10.0	.0	409.5	11.7	77.9
25/12/97	17.00	15.4	15.4	10.0	.0	417.1	4.0	79.6
25/12/97	17.30	12.9	15.1	88.0	86.6	402.1	4.0	79.8
25/12/97	18.00	12.1	14.2	100.0	86.6	388.1	4.0	75.1
25/12/97	18.30	11.5	13.5	100.0	70.0	387.6	4.0	77.4
25/12/97	19.00	11.6	13.2	100.0	46.6	391.8	4.0	76.8
25/12/97	19.30	11.3	12.9	100.0	.0	395.0	4.0	77.0
25/12/97	20.00	10.8	12.7	100.0	16.6	399.9	4.0	75.5
25/12/97	20.30	10.7	12.4	100.0	.0	402.8	4.0	78.5
25/12/97	21.00	10.9	12.3	100.0	.0	398.4	4.0	79.1
25/12/97	21.30	11.1	12.2	100.0	.0	397.4	4.0	79.3
25/12/97	22.00	10.7	12.1	100.0	.0	399.6	4.0	79.5
25/12/97	22.30	10.5	12.0	100.0	.0	400.1	4.0	75.8

25/12/97	23.00	10.6	11.8	100.0	.0	400.5	4.0	76.1
25/12/97	23.30	10.7	11.8	100.0	.0	398.8	4.0	75.0
26/12/97	00.00	10.9	11.9	100.0	.0	397.9	4.0	72.8
26/12/97	00.30	10.9	11.9	100.0	.0	396.9	4.0	73.1
26/12/97	01.00	11.1	11.9	100.0	.0	398.3	4.0	73.7
26/12/97	01.30	11.3	11.9	100.0	.0	389.9	4.0	74.4
26/12/97	02.00	11.4	12.0	100.0	16.6	392.9	4.0	72.6
26/12/97	02.30	11.2	12.0	100.0	40.0	388.3	4.0	73.4
26/12/97	03.00	11.2	12.0	100.0	10.0	388.6	4.0	73.9
26/12/97	03.30	11.0	12.0	100.0	3.3	391.3	4.0	74.3
26/12/97	04.00	11.2	12.0	100.0	33.3	395.5	4.0	72.9
26/12/97	04.30	11.1	11.9	100.0	100.0	387.1	4.0	72.8
26/12/97	05.00	11.0	11.9	100.0	46.6	391.4	4.4	73.4
26/12/97	05.30	10.8	11.8	100.0	64.2	390.3	5.4	74.5
26/12/97	06.00	11.2	11.7	100.0	.0	390.3	6.4	72.7
26/12/97	06.30	11.4	11.9	90.6	5.9	391.2	7.4	71.3
26/12/97	07.00	11.3	12.0	91.9	.8	391.1	8.5	72.6
26/12/97	07.30	11.5	12.1	35.4	5.0	387.7	9.5	73.4
26/12/97	08.00	11.6	12.2	24.0	.2	400.0	10.5	73.4
26/12/97	08.30	12.2	12.3	5.6	.0	414.8	11.5	72.5
26/12/97	09.00	12.6	12.5	5.1	.0	409.4	12.0	71.0
26/12/97	09.30	12.7	12.8	10.6	.0	403.1	12.0	69.3
26/12/97	10.00	12.9	13.1	17.4	.0	395.9	12.0	68.4
26/12/97	10.30	13.0	13.3	24.6	.0	422.0	12.0	70.5
26/12/97	11.00	13.1	13.4	24.4	.0	511.4	12.0	71.1
26/12/97	11.30	13.2	13.6	18.8	.4	460.7	12.0	69.8
26/12/97	12.00	13.3	13.7	10.0	.0	686.6	12.0	72.7
26/12/97	12.30	13.1	13.8	10.0	.0	701.2	12.0	74.7
26/12/97	13.00	13.4	13.9	30.0	2.9	593.6	12.0	72.3
26/12/97	13.30	13.5	14.1	35.0	5.0	452.3	12.0	70.6
26/12/97	14.00	13.5	14.2	35.8	5.8	446.9	12.0	69.9
26/12/97	14.30	13.8	14.4	39.7	9.7	477.8	12.0	67.9
26/12/97	15.00	13.8	14.7	29.4	7.4	479.6	12.0	68.4
26/12/97	15.30	13.4	14.6	31.6	4.9	588.3	12.0	71.7
26/12/97	16.00	13.4	14.5	27.8	2.5	455.7	12.0	70.3
26/12/97	16.30	13.2	14.4	28.4	2.0	420.9	11.7	71.6
26/12/97	17.00	10.8	14.0	70.7	66.7	390.9	4.0	74.1
26/12/97	17.30	10.1	13.4	61.0	53.3	382.1	4.0	77.1
26/12/97	18.00	9.4	12.8	76.0	73.3	380.9	4.0	79.2
26/12/97	18.30	10.0	12.3	25.0	16.6	388.4	4.0	80.3
26/12/97	19.00	9.5	12.1	49.0	39.4	400.1	4.0	82.4
26/12/97	19.30	8.3	11.7	96.0	66.0	388.3	4.0	79.9
26/12/97	20.00	8.5	11.3	96.0	66.0	387.6	4.0	79.5
26/12/97	20.30	8.6	11.0	96.0	66.0	386.6	4.0	79.9
26/12/97	21.00	8.7	10.8	45.4	30.4	387.1	4.0	83.4
26/12/97	21.30	8.3	10.7	75.0	47.4	386.6	4.0	85.7
26/12/97	22.00	8.3	10.7	82.9	56.9	384.3	4.0	81.8
26/12/97	22.30	8.3	10.5	91.0	61.0	387.6	4.0	79.8
26/12/97	23.00	8.5	10.5	93.5	63.5	389.7	4.0	79.6
26/12/97	23.30	8.7	10.5	84.0	59.9	390.7	4.0	81.8
27/12/97	00.00	8.3	10.4	95.3	65.3	388.4	4.0	81.3
27/12/97	00.30	8.6	10.3	96.1	66.8	386.7	4.0	78.8
27/12/97	01.00	9.0	10.4	100.0	76.0	385.3	4.0	78.0
27/12/97	01.30	8.8	10.4	100.0	80.0	385.0	4.0	78.8
27/12/97	02.00	8.7	10.5	100.0	70.3	390.5	4.0	79.8
27/12/97	02.30	8.7	10.4	100.0	70.0	390.3	4.0	80.1
27/12/97	03.00	8.7	10.4	100.0	70.0	395.8	4.0	80.1
27/12/97	03.30	8.8	10.4	100.0	71.6	397.8	4.0	79.4
27/12/97	04.00	8.9	10.4	100.0	81.8	396.1	4.0	80.7
27/12/97	04.30	8.8	10.4	99.2	72.8	397.2	4.0	80.8
27/12/97	05.00	9.1	10.4	97.6	70.0	394.9	4.4	80.6
27/12/97	05.30	9.2	10.4	81.4	51.4	396.4	5.4	81.4
27/12/97	06.00	9.5	10.5	63.6	33.6	405.8	6.4	79.7
27/12/97	06.30	10.1	10.7	57.2	27.2	400.4	7.4	76.5
27/12/97	07.00	10.3	10.7	42.0	12.0	411.4	8.5	76.0
27/12/97	07.30	10.6	10.9	25.1	.8	426.3	9.5	75.5
27/12/97	08.00	11.1	11.1	2.0	.0	446.4	10.5	75.7

27/12/97	08.30	12.1	11.4	.1	.0	471.0	11.5	77.4
27/12/97	09.00	12.7	11.8	7.9	.0	489.0	12.0	77.6
27/12/97	09.30	12.8	12.2	14.2	.0	483.0	12.0	76.5
27/12/97	10.00	13.0	12.7	22.5	.0	479.4	12.0	75.2
27/12/97	10.30	13.4	13.0	22.2	1.0	712.7	12.0	73.8
27/12/97	11.00	13.5	13.4	26.6	3.9	700.3	12.0	75.3
27/12/97	11.30	13.7	13.6	14.9	.9	705.5	12.0	74.5
27/12/97	12.00	13.5	13.9	32.6	5.9	692.9	12.0	74.2
27/12/97	12.30	13.9	14.1	26.9	4.3	538.4	12.0	71.7
27/12/97	13.00	13.8	14.4	29.8	8.8	670.6	12.0	73.4
27/12/97	13.30	13.5	14.6	37.4	7.4	519.8	12.0	73.0
27/12/97	14.00	13.9	14.8	43.6	13.6	450.1	12.0	70.4
27/12/97	14.30	13.8	15.1	43.4	13.4	431.2	12.0	68.9
27/12/97	15.00	13.7	15.2	41.4	11.4	474.9	12.0	68.8
27/12/97	15.30	13.5	15.2	32.1	5.4	495.5	12.0	70.6
27/12/97	16.00	13.4	15.0	34.6	4.6	466.8	12.0	71.3
27/12/97	16.30	13.3	14.9	33.8	3.8	429.4	11.7	71.8
27/12/97	17.00	10.7	14.4	97.9	96.9	402.4	4.0	76.8
27/12/97	17.30	10.0	13.5	100.0	100.0	391.9	4.0	77.8
27/12/97	18.00	10.0	12.9	100.0	100.0	390.8	4.0	77.5
27/12/97	18.30	9.5	12.4	100.0	100.0	398.0	4.0	79.6
27/12/97	19.00	9.1	11.8	97.0	88.6	399.8	4.0	81.4
27/12/97	19.30	9.3	11.5	43.0	35.4	402.5	4.0	82.9
27/12/97	20.00	8.6	11.2	99.1	75.0	410.7	4.0	85.4
27/12/97	20.30	8.4	10.8	95.1	65.1	401.0	4.0	84.0
27/12/97	21.00	8.8	10.7	62.2	40.2	400.1	4.0	83.6
27/12/97	21.30	8.8	10.7	76.3	58.7	404.5	4.0	83.0
27/12/97	22.00	8.3	10.7	50.0	29.9	395.7	4.0	81.6
27/12/97	22.30	8.5	10.5	91.6	66.9	409.6	4.0	79.4
27/12/97	23.00	8.1	10.4	91.3	61.3	405.6	4.0	82.2
27/12/97	23.30	8.7	10.4	19.0	8.6	402.0	4.0	81.6
28/12/97	00.00	8.9	10.4	10.0	.0	408.6	4.0	81.9
28/12/97	00.30	9.4	10.4	34.0	26.6	417.3	4.0	80.6
28/12/97	01.00	8.6	10.4	98.0	70.1	407.6	4.0	79.8
28/12/97	01.30	8.6	10.3	99.2	69.2	410.5	4.0	80.7
28/12/97	02.00	8.2	10.3	94.0	64.0	398.8	4.0	82.9
28/12/97	02.30	8.2	10.2	89.5	59.5	397.3	4.0	81.2
28/12/97	03.00	8.3	10.2	91.1	61.1	395.2	4.0	80.8
28/12/97	03.30	8.1	10.2	88.5	58.5	397.0	4.0	81.5
28/12/97	04.00	8.0	10.0	87.0	57.0	400.1	4.0	80.7
28/12/97	04.30	7.9	10.0	87.0	57.0	401.2	4.0	79.9
28/12/97	05.00	7.9	9.9	75.4	45.4	407.5	4.4	81.2
28/12/97	05.30	8.5	9.9	64.3	34.3	409.1	5.4	79.9
28/12/97	06.00	8.7	9.9	50.2	20.2	403.7	6.4	78.4
28/12/97	06.30	9.1	10.0	37.0	7.0	412.0	7.4	75.8
28/12/97	07.00	9.9	10.2	32.7	3.4	416.1	8.5	74.5
28/12/97	07.30	10.4	10.5	13.3	.0	431.2	9.5	73.6
28/12/97	08.00	11.0	10.7	1.7	.0	458.1	10.5	75.6
28/12/97	08.30	11.5	13.1	.0	.0	484.5	11.5	76.6
28/12/97	09.00	12.2	13.2	.0	.0	505.2	12.0	77.1
28/12/97	09.30	12.6	13.2	3.4	.0	521.5	12.0	75.5
28/12/97	10.00	12.7	13.3	11.1	.0	542.4	12.0	73.7
28/12/97	10.30	13.0	13.4	18.4	.0	696.8	12.0	72.2
28/12/97	11.00	13.2	13.6	31.7	1.7	639.3	12.0	70.6
28/12/97	11.30	13.2	13.8	30.4	.6	626.8	12.0	69.5
28/12/97	12.00	13.4	14.0	33.2	3.2	652.9	12.0	70.1
28/12/97	12.30	13.5	14.3	35.7	5.7	452.5	12.0	69.7
28/12/97	13.00	13.7	14.5	38.1	8.1	427.2	12.0	68.4
28/12/97	13.30	13.6	14.8	39.0	9.0	451.4	12.0	68.3
28/12/97	14.00	13.6	14.8	38.3	8.3	478.2	12.0	69.0
28/12/97	14.30	13.7	15.0	40.5	10.5	467.6	12.0	69.2
28/12/97	15.00	13.6	14.9	38.2	8.2	469.1	12.0	69.8
28/12/97	15.30	13.3	14.7	34.0	4.0	464.2	12.0	71.2
28/12/97	16.00	13.1	14.6	29.1	.5	455.6	12.0	72.0
28/12/97	16.30	13.1	14.4	27.8	.0	429.6	11.7	72.3
28/12/97	17.00	11.5	14.0	46.8	40.1	401.6	4.0	74.8
28/12/97	17.30	11.8	13.6	10.0	.0	403.7	4.0	76.3

28/12/97	18.00	11.5	13.3	10.0	.0	414.0	4.0	76.1
28/12/97	18.30	10.5	12.9	10.0	.0	412.3	4.0	77.2
28/12/97	19.00	9.7	12.4	10.0	.0	415.7	4.0	79.0
28/12/97	19.30	9.5	11.9	22.0	13.3	413.0	4.0	80.6
28/12/97	20.00	8.4	11.3	85.5	62.1	401.5	4.0	83.2
28/12/97	20.30	8.5	10.7	34.5	24.8	399.4	4.0	84.3
28/12/97	21.00	8.9	10.7	57.9	43.7	405.4	4.0	84.2
28/12/97	21.30	8.9	10.5	57.7	38.6	391.4	4.0	82.4
28/12/97	22.00	9.1	10.5	49.0	37.6	399.1	4.0	80.0
28/12/97	22.30	8.4	10.4	97.1	67.2	386.3	4.0	78.7
28/12/97	23.00	8.4	10.3	97.0	67.0	384.6	4.0	76.7
28/12/97	23.30	8.4	10.2	97.0	67.0	386.4	4.0	75.5
29-12-97	00.00	8.1	10.1	91.5	61.5	388.0	4.0	76.2

Appendix 6. Element contents in nutrient solution

Appendix	Element contents in tanks from trial 1				Element contents in tanks from trial 2														
time	Irrig.freq.	pH	EC mS/cm	NH4 mmol/l	K mmol/l	Na mmol/l	Ca mmol/l	Mg mmol/l	NO3 mmol/l	SO4 mmol/l	HCO3 mmol/l	P mmol/l	Fe umol/l	Mn umol/l	Zn umol/l	B umol/l	Cu umol/l	Si mmol/l	
start	low	5.23	2.50	1.54	8.92	0.44	2.78	0.90	16.58	0.20	1.05	<0.1	1.33	2.7	6.9	3.1	1.5	0.50	
start	high	5.51	2.51	1.60	8.91	0.44	2.81	0.91	16.41	0.19	1.04	<0.1	1.39	3.0	6.9	3.1	1.5	0.44	
end	low	5.55	2.45	1.60	9.78	0.49	3.05	0.93	17.06	<0.1	1.17	<0.1	1.35	2.3	6.9	38	1.9	0.53	
end	high	5.61	2.49	1.63	10.09	0.53	3.14	1.05	17.59	<0.1	1.18	<0.1	1.42	30.5	2.4	6.9	39	1.5	
Time	P-treatm	Element contents	in tanks from trial 2																
start	low	5.49	2.40	1.45	9.91	0.58	3.25	0.91	17.82	0.15	1.14	<0.1	0.27	19.9	3.2	9.6	27	1.2	0.40
start	high	6.32	2.62	1.72	9.96	0.63	3.22	0.96	18.06	0.21	1.23	0.22	0.46	20.6	0.5	10.3	33	1.9	0.44
end	low	4.41	1.97	0.78	7.24	0.45	3.10	0.74	14.63	0.27	0.71	<0.1	<0.05	3.9	1.5	7.1	5	0.2	
end	high	4.32	2.59	1.09	10.28	0.65	3.49	1.08	18.74	0.24	1.06	<0.1	0.30	32.3	2.0	10.5	28	1.2	

Appendix 7 Chemical analysis of potting soil

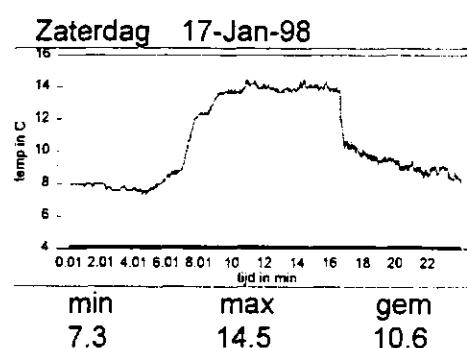
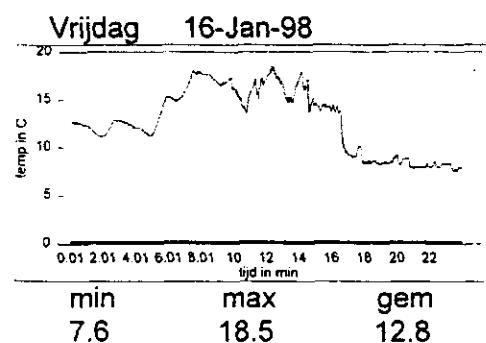
Analysis of the potting soil in trial 2. Extraction of 1:1.5 vol extracts. Contents in the extracts

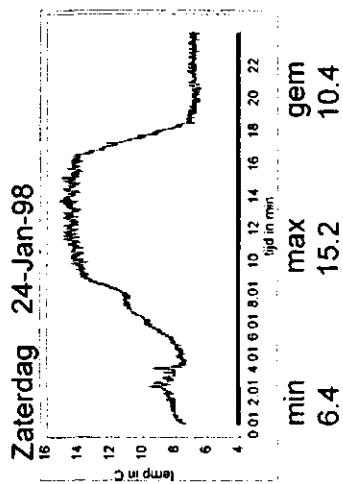
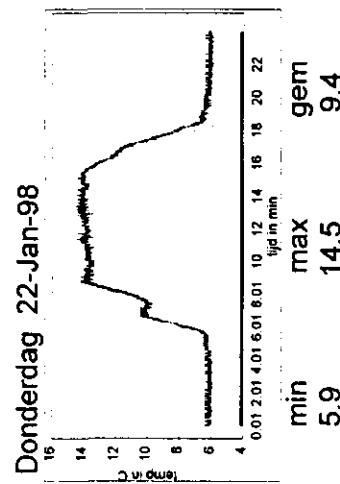
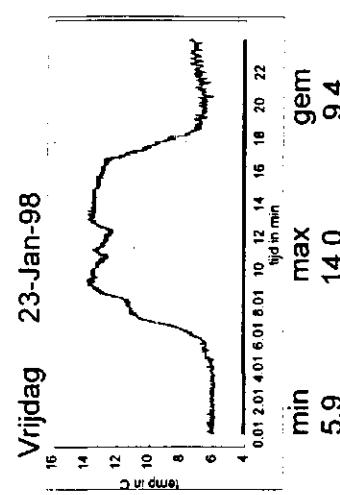
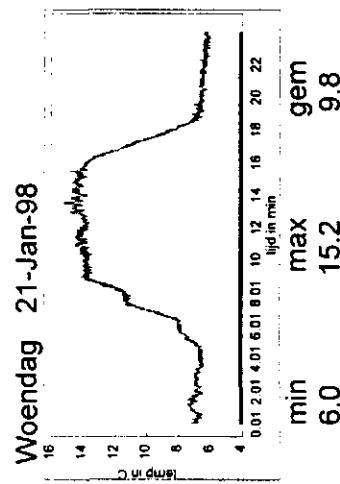
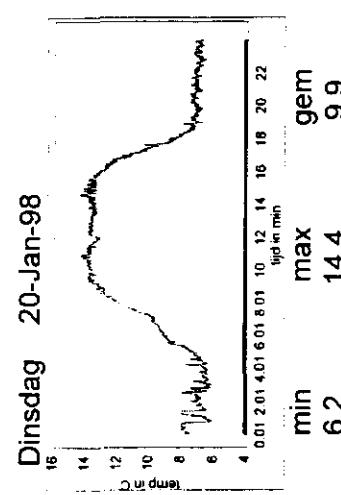
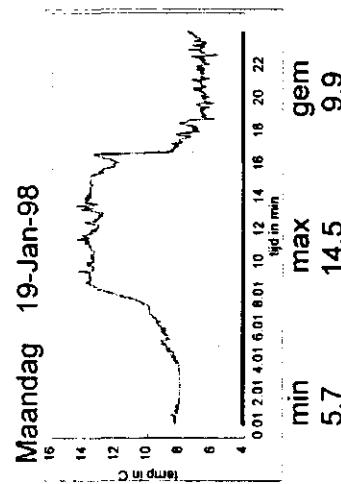
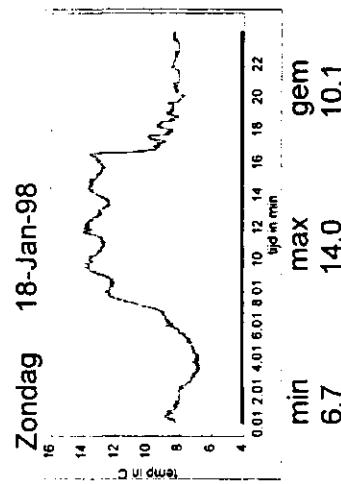
code	pH suspension	EC mS/cm	NH4 mmol/l	K mmol/l	Na mmol/l	Ca mmol/l	Mg mmol/l	NO3 mmol/l	Cl mmol/l	HCO3 mmol/l	P mmol/l	Fe umol/l	Mn umol/l	Zn umol/l	Cu umol/l
A	4.53	0.96	2.00	2.22	0.33	0.31	0.31	4.91	0.18	0.74	<0.1	28.4	1.4	0.3	0.6
B	4.49	0.86	2.15	2.23	0.34	0.29	0.29	4.67	0.12	0.75	<0.1	<0.05	28.2	1.5	<0.2
C	4.47	0.88	2.27	2.29	0.34	0.32	0.33	4.79	0.12	0.77	<0.1	0.15	28.6	1.4	<0.2
D	4.42	0.90	2.33	2.34	0.35	<0.05	0.32	4.80	0.12	0.79	<0.1	0.23	28.8	1.3	0.2
E	5.17	0.80	1.13	2.26	0.39	0.70	0.50	3.37	0.63	0.87	<0.1	0.83	8.3	1.2	0.3

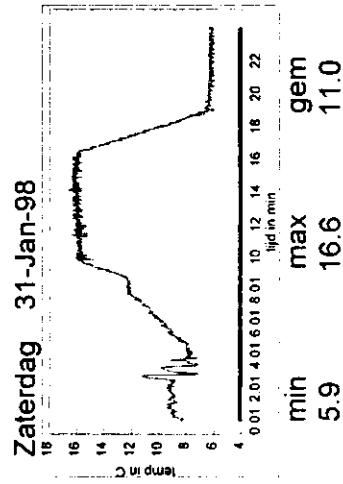
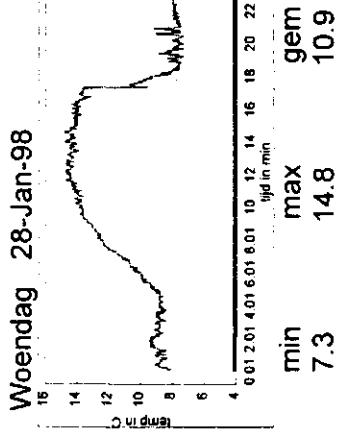
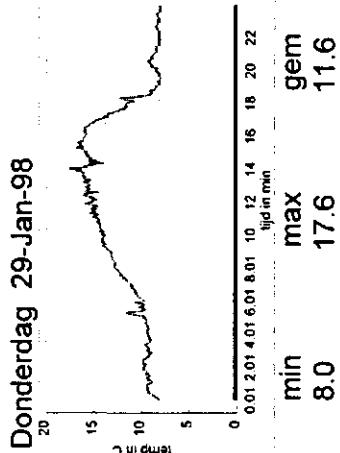
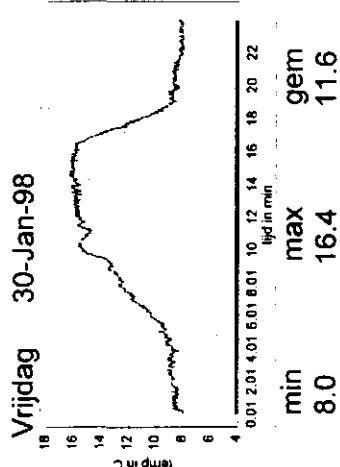
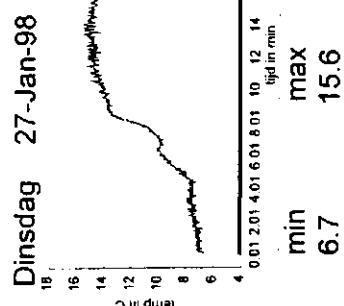
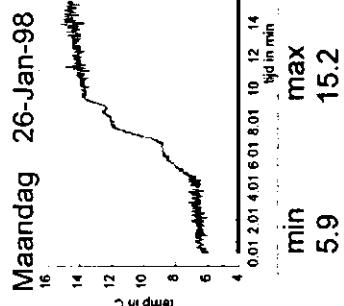
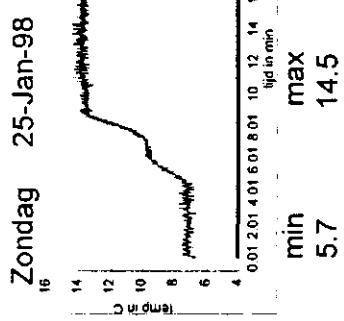
Appendix 8. Planting scheme in trial 2

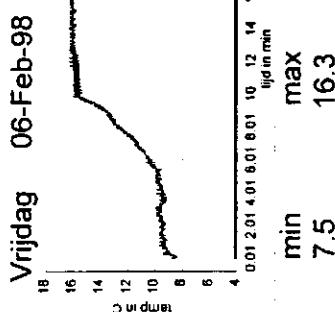
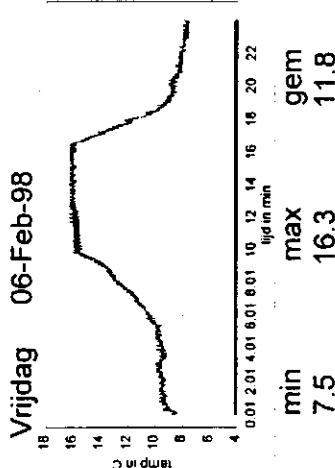
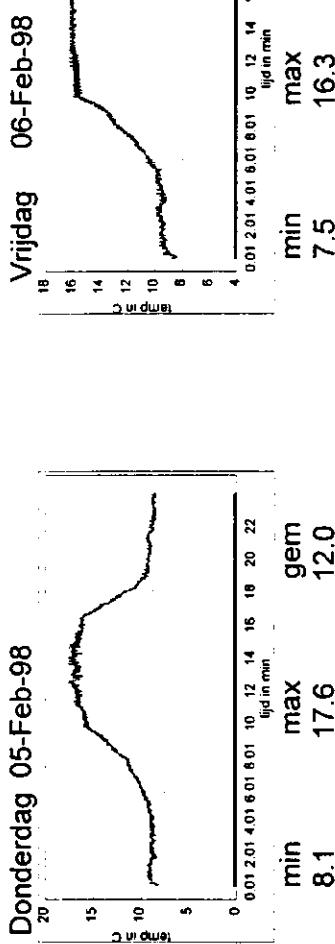
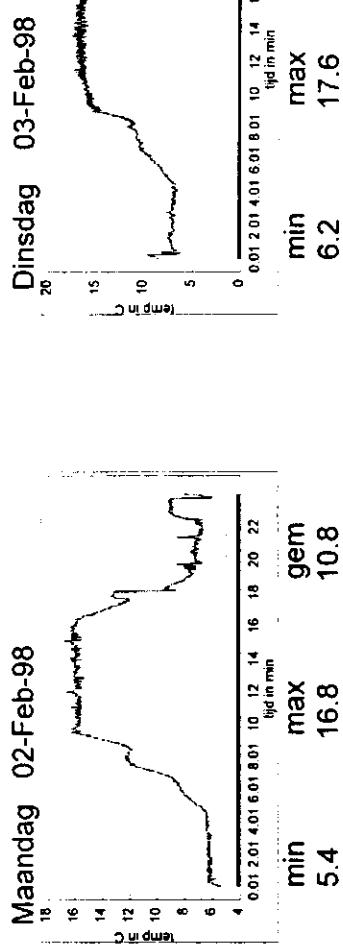
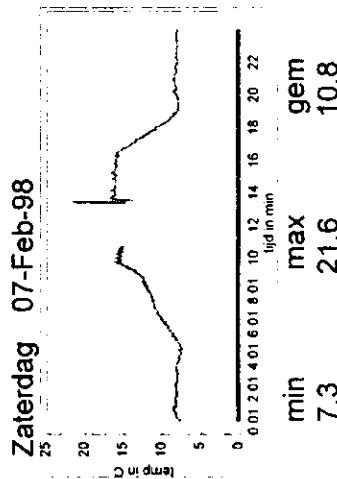
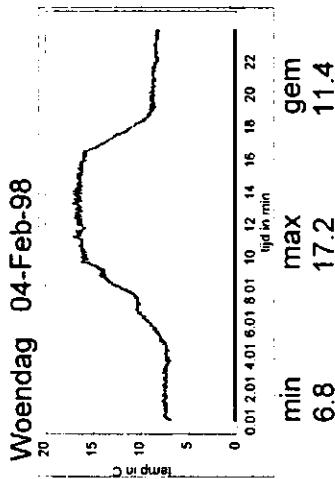
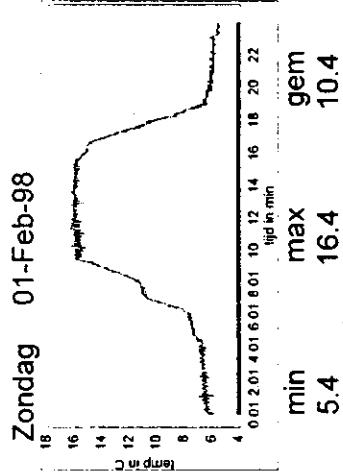
PLANTSHEMA					<u>Proef 2</u>
verbeterd					
A B C D E					A B C D E
bak 24					bak 24
DILLE					BIESLOOK
9					1
A B C D E					A B C D E
bak 25					bak 24
ROS go2					2823
10					2
A B C D E					A B C D E
bak 24					bak 25
ROS go2					2823
11					3
A B C D E					A B C D E
bak 25					bak 25
DILLE					BIESLOOK
12					4
unit 25					unit 24

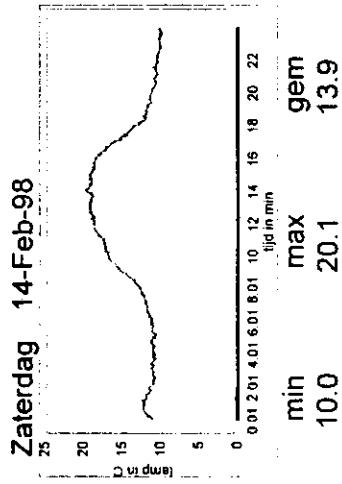
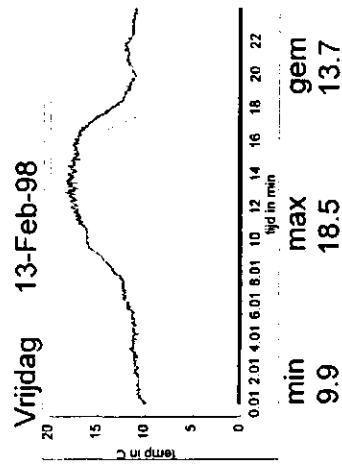
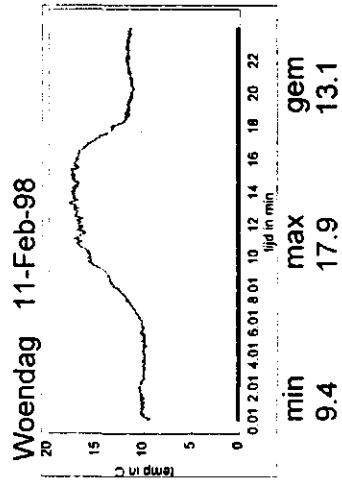
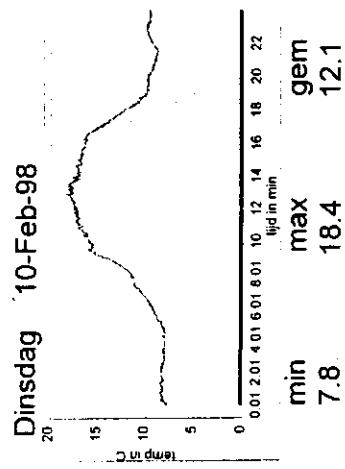
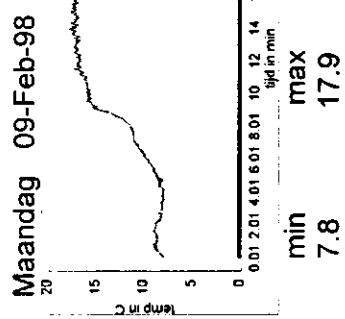
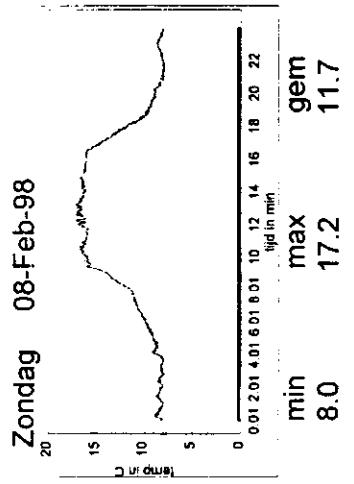
Appendix 9. Temperatures in trial 2, based on data per minute

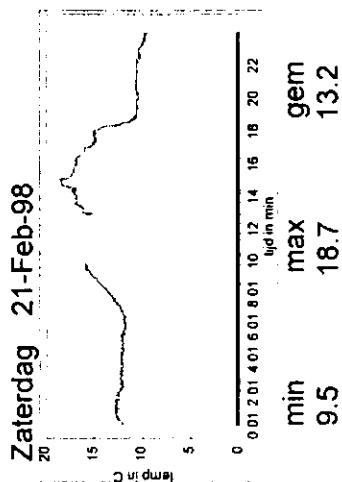
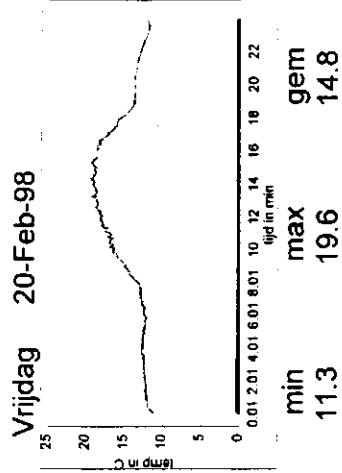
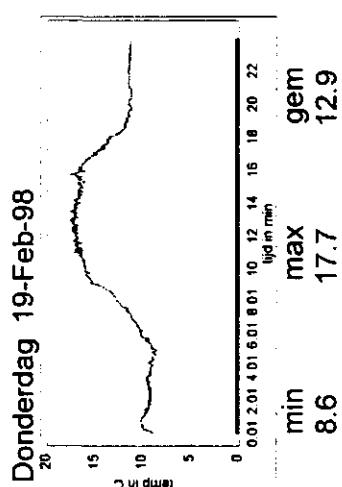
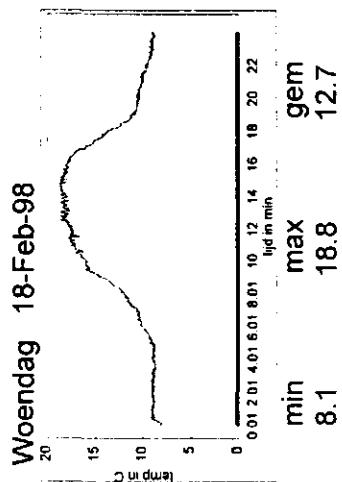
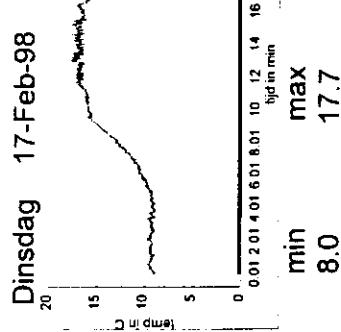
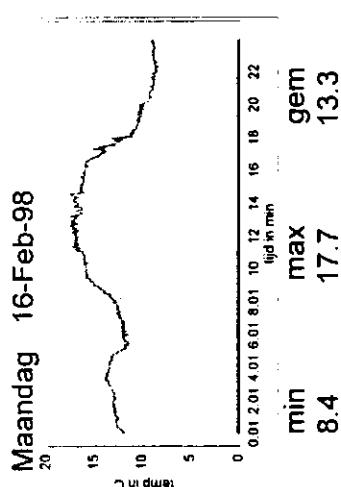
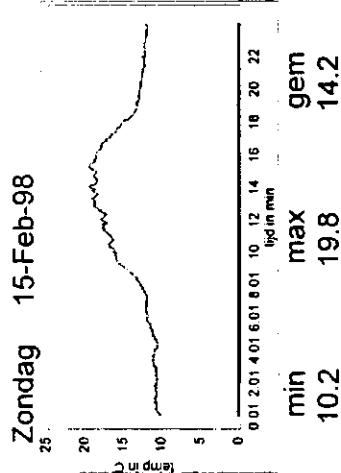


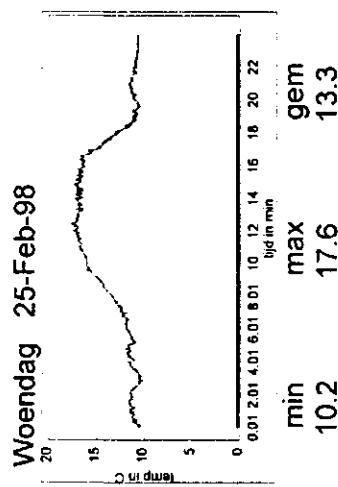
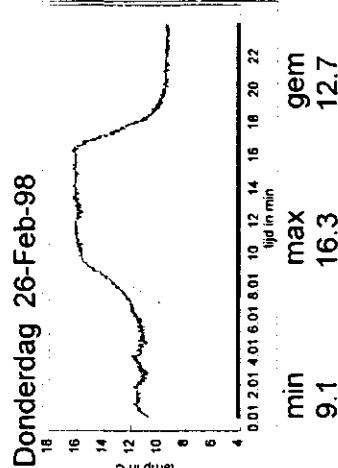
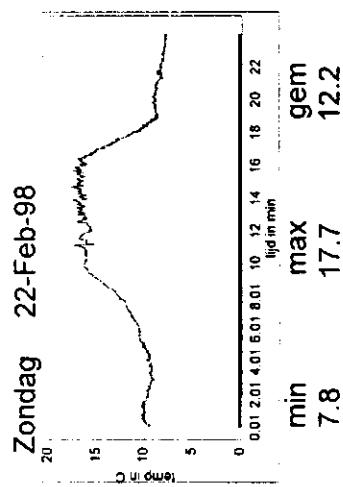
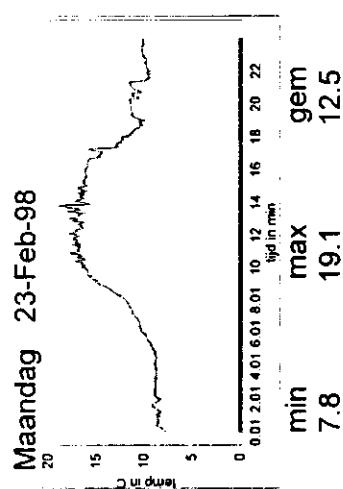
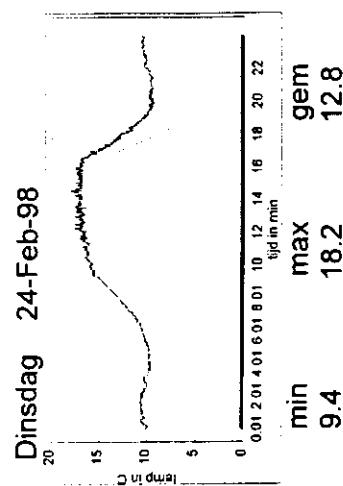












Appendix 10. Other climatic conditions in trial 2.

~~ANALYSE RECHTEN~~

21	AFD	5	(13)	DROGE BOL
22	AFD	5	(13)	NATTE BOL
24	AFD	5	(13)	VERWARMINGSNET H9
25	AFD	5	(13)	BOVENNETVERW. H10
136	AFD	5	(13)	LUCHTING OOST V13
137	AFD	5	(13)	LUCHTING WEST V14
117	CO2	CHANNEL	5	
184	AFD	5	(13)	SETP. VENTILATIE
204	AFD	5	(13)	SETP. VERWARMING
724	AFD	5	(13)	REL. LUCHTVOCHTIGHE

00/00/00	00.00	21	24	136	137	117	204	724
16/01/98	00.30	12.6	23.1	7.5	.0	445.9	12.0	78.6
16/01/98	01.00	12.4	20.4	1.7	.0	454.5	12.0	80.5
16/01/98	01.30	11.8	18.3	.0	.0	470.6	12.0	84.2
16/01/98	02.00	11.2	19.8	.0	.0	482.8	12.0	85.1
16/01/98	02.30	11.8	30.7	.0	.0	490.9	12.0	81.9
16/01/98	03.00	12.8	30.2	12.8	.0	474.9	12.0	79.6
16/01/98	03.30	12.6	24.5	8.7	.0	442.7	12.0	84.1
16/01/98	04.00	12.2	21.3	.1	.0	449.8	12.0	86.7
16/01/98	04.30	11.9	18.8	.0	.0	461.4	12.0	88.5
16/01/98	05.00	11.3	22.0	.0	.0	469.8	12.5	89.3
16/01/98	05.30	12.6	36.8	.0	.0	475.7	13.5	85.0
16/01/98	06.00	14.8	41.0	.0	.0	479.6	14.5	84.2
16/01/98	06.30	15.0	39.5	.0	.0	482.2	15.5	89.3
16/01/98	07.00	15.4	50.4	.0	.0	478.9	16.5	92.6
16/01/98	07.30	17.1	59.2	2.2	.0	476.8	17.0	95.6
16/01/98	08.00	17.7	52.3	13.3	.0	446.9	17.0	98.8
16/01/98	08.30	17.6	43.8	6.8	.0	435.3	17.0	99.3
16/01/98	09.00	17.0	38.0	.2	.0	443.0	17.0	95.5
16/01/98	09.30	16.7	39.4	.0	.0	468.4	17.0	94.6
16/01/98	10.00	16.7	38.6	.0	.0	583.7	17.0	95.5
16/01/98	10.30	15.3	30.8	-99.9	-99.9	533.2	17.0	97.6
16/01/98	11.00	14.5	33.3	.0	.0	572.6	17.0	96.0
16/01/98	11.30	16.1	49.7	.0	.0	989.1	17.0	82.5
16/01/98	12.00	16.8	58.5	-99.9	-99.9	753.2	17.0	86.1
16/01/98	12.30	17.9	48.9	-99.9	-99.9	719.0	17.0	94.9
16/01/98	13.00	17.0	37.9	-99.9	-99.9	646.1	17.0	99.4
16/01/98	13.30	15.2	31.3	-99.9	-99.9	685.0	17.0	99.6
16/01/98	14.00	16.0	34.8	.0	.0	888.9	17.0	97.1
16/01/98	14.30	16.9	34.7	7.8	1.4	752.5	16.6	97.8
16/01/98	15.00	14.6	29.2	44.7	14.7	536.8	13.0	98.5
16/01/98	15.30	14.2	25.3	30.2	2.4	523.3	13.0	97.2
16/01/98	16.00	14.1	22.5	30.0	1.5	511.9	13.0	96.5
16/01/98	16.30	14.0	20.5	21.9	.1	476.4	12.9	95.9
16/01/98	17.00	10.4	18.6	83.9	60.2	315.2	6.7	97.2
16/01/98	17.30	9.1	16.4	83.2	55.2	276.3	5.0	92.3
16/01/98	18.00	9.3	14.9	50.1	31.7	274.3	5.0	87.5
16/01/98	18.30	8.4	13.7	76.2	46.2	259.6	5.0	85.5
16/01/98	19.00	8.4	12.8	75.4	45.4	248.7	5.0	80.7
16/01/98	19.30	8.4	12.1	73.2	43.2	251.7	5.0	83.4
16/01/98	20.00	8.8	11.7	31.3	14.6	266.8	5.0	83.2
16/01/98	20.30	8.6	11.4	29.8	14.4	283.1	5.0	85.7
16/01/98	21.00	8.3	11.1	49.4	26.7	282.7	5.0	85.1
16/01/98	21.30	8.0	10.7	66.0	36.0	261.8	5.0	82.7
16/01/98	22.00	8.0	10.6	57.4	30.7	268.2	5.0	79.5
16/01/98	22.30	8.1	10.5	47.2	24.6	271.6	5.0	81.8
16/01/98	23.00	8.2	10.4	64.6	36.0	268.8	5.0	81.1
16/01/98	23.30	8.0	10.4	52.9	28.2	280.7	5.0	81.6
17/01/98	00.00	7.8	10.2	61.7	31.7	277.8	5.0	79.7
17/01/98	00.30	8.0	10.0	63.0	33.0	272.9	5.0	76.6

17/01/98	01.00	7.9	10.0	63.0	33.0	265.9	5.0	78.6
17/01/98	01.30	7.9	9.9	63.0	33.0	268.7	5.0	87.0
17/01/98	02.00	8.0	9.9	63.0	33.0	270.5	5.0	97.3
17/01/98	02.30	7.8	9.9	61.9	31.9	267.1	5.0	99.3
17/01/98	03.00	7.6	9.8	60.0	30.0	263.7	5.0	99.4
17/01/98	03.30	7.7	9.7	60.0	30.0	260.2	5.0	99.9
17/01/98	04.00	7.6	9.7	60.0	30.0	258.8	5.0	99.9
17/01/98	04.30	7.5	9.6	58.3	28.3	258.9	5.0	99.9
17/01/98	05.00	7.5	9.5	46.6	16.6	258.2	5.4	99.4
17/01/98	05.30	7.8	9.4	30.5	2.6	256.1	6.4	99.7
17/01/98	06.00	8.1	9.4	5.1	.0	268.3	7.4	100.0
17/01/98	06.30	8.6	9.5	.0	.0	291.3	8.5	99.9
17/01/98	07.00	8.8	17.5	.0	.0	317.1	9.5	99.9
17/01/98	07.30	10.4	32.4	.0	.0	336.1	10.5	99.5
17/01/98	08.00	12.0	31.3	.0	.0	351.9	11.5	99.8
17/01/98	08.30	12.3	28.3	.0	.0	359.4	12.5	100.0
17/01/98	09.00	12.9	32.4	.0	.0	367.6	13.0	99.9
17/01/98	09.30	13.6	29.1	3.6	.0	364.5	13.0	99.8
17/01/98	10.00	13.6	24.4	8.8	.0	488.7	13.0	100.0
17/01/98	10.30	13.6	21.6	8.8	.0	697.5	13.0	100.0
17/01/98	11.00	14.0	19.6	19.7	.2	735.3	13.0	99.8
17/01/98	11.30	14.1	18.6	29.3	.0	411.5	13.0	100.0
17/01/98	12.00	13.9	17.7	21.9	.0	456.2	13.0	100.0
17/01/98	12.30	13.9	16.9	20.6	.0	542.8	13.0	100.0
17/01/98	13.00	13.7	16.3	13.4	.0	925.0	13.0	100.0
17/01/98	13.30	13.8	16.0	14.0	.0	831.6	13.0	100.0
17/01/98	14.00	13.8	15.7	14.2	.0	622.6	13.0	99.9
17/01/98	14.30	14.1	15.6	26.3	.1	490.6	13.0	99.9
17/01/98	15.00	14.0	15.6	23.8	.0	288.3	13.0	100.0
17/01/98	15.30	13.9	15.5	21.7	.0	421.7	13.0	100.0
17/01/98	16.00	14.0	15.5	22.9	.0	648.2	13.0	100.0
17/01/98	16.30	13.8	15.3	15.2	.0	490.2	12.9	100.0
17/01/98	17.00	11.2	14.8	87.3	74.1	164.1	6.7	100.0
17/01/98	17.30	10.3	13.7	82.0	74.8	110.3	5.0	100.0
17/01/98	18.00	10.0	13.0	100.0	84.0	118.7	5.0	100.0
17/01/98	18.30	9.7	12.3	100.0	78.0	140.4	5.0	100.0
17/01/98	19.00	9.5	11.7	98.5	68.8	155.7	5.0	100.0
17/01/98	19.30	9.4	11.3	94.0	64.0	182.4	5.0	100.0
17/01/98	20.00	9.4	11.1	85.6	57.6	183.1	5.0	100.0
17/01/98	20.30	9.1	10.8	87.7	58.4	206.0	5.0	100.0
17/01/98	21.00	9.1	10.7	69.9	44.6	221.8	5.0	100.0
17/01/98	21.30	8.9	10.6	87.0	57.0	233.6	5.0	100.0
17/01/98	22.00	8.6	10.4	81.8	51.8	248.2	5.0	100.0
17/01/98	22.30	8.9	10.4	27.7	13.1	254.4	5.0	100.0
17/01/98	23.00	8.9	10.4	12.5	1.9	262.7	5.0	100.0
17/01/98	23.30	8.6	10.3	59.6	35.6	262.8	5.0	100.0
18-01-98	00.00	8.4	10.2	59.9	36.1	260.6	5.0	100.0
18/01/98	00.30	8.5	10.0	45.7	24.4	252.2	5.0	100.0
18/01/98	01.00	8.4	10.0	54.8	28.3	252.3	5.0	100.0
18/01/98	01.30	8.1	9.9	60.2	34.8	244.4	5.0	100.0
18/01/98	02.00	8.0	9.9	67.0	37.0	239.0	5.0	100.0
18/01/98	02.30	7.7	9.7	63.5	33.5	243.8	5.0	99.9
18/01/98	03.00	7.1	9.4	51.3	21.3	239.7	5.0	100.0
18/01/98	03.30	6.8	9.2	44.2	14.2	230.7	5.0	100.0
18/01/98	04.00	6.8	9.0	43.0	13.0	224.6	5.0	100.0
18/01/98	04.30	6.9	8.8	44.4	14.4	222.5	5.0	100.0
18/01/98	05.00	7.2	8.8	38.9	8.9	224.3	5.4	100.0
18/01/98	05.30	7.5	8.8	19.9	.0	225.3	6.4	99.9
18/01/98	06.00	8.2	8.9	3.2	.0	231.4	7.4	100.0
18/01/98	06.30	8.7	9.5	.0	.0	241.9	8.5	100.0
18/01/98	07.00	9.0	14.4	.0	.0	253.5	9.5	100.0
18/01/98	07.30	10.5	30.0	.0	.0	264.8	10.5	99.3
18/01/98	08.00	12.1	29.1	.0	2.1	272.0	11.5	99.3
18/01/98	08.30	12.2	25.2	.0	.0	273.3	12.5	100.0
18/01/98	09.00	12.3	32.1	.0	.0	275.6	13.0	100.0
18/01/98	09.30	13.3	35.8	.0	.5	275.3	13.0	99.7
18/01/98	10.00	13.6	29.5	.0	4.7	476.5	13.0	100.0

18/01/98	10.30	13.2	24.9	.0	1.3	795.8	13.0	100.0
18/01/98	11.00	12.7	22.8	.0	.0	959.7	13.0	100.0
18/01/98	11.30	12.9	27.1	.0	.0	879.0	13.0	100.0
18/01/98	12.00	13.7	31.5	.0	8.4	679.3	13.0	99.7
18/01/98	12.30	13.6	25.5	.0	8.4	686.5	13.0	99.8
18/01/98	13.00	13.0	22.3	.0	.0	928.7	13.0	100.0
18/01/98	13.30	12.5	21.0	.0	.0	873.7	13.0	100.0
18/01/98	14.00	12.7	29.1	.0	.0	809.7	13.0	100.0
18/01/98	14.30	13.4	32.0	.0	1.3	787.6	13.0	99.9
18/01/98	15.00	13.4	25.9	.0	1.0	723.4	13.0	100.0
18/01/98	15.30	13.0	22.6	.0	.0	704.4	13.0	100.0
18/01/98	16.00	12.8	23.0	.0	.0	657.3	13.0	100.0
18/01/98	16.30	13.2	23.1	.0	.0	782.5	12.9	100.0
18/01/98	17.00	10.2	19.7	80.2	53.2	171.3	6.7	99.9
18/01/98	17.30	9.3	16.9	51.1	31.1	2.8	5.0	100.0
18/01/98	18.00	8.9	15.1	66.9	43.0	.0	5.0	100.0
18/01/98	18.30	9.0	13.6	28.0	.0	.0	5.0	99.9
18/01/98	19.00	8.4	12.6	35.2	9.2	.0	5.0	100.0
18/01/98	19.30	8.4	11.8	10.0	.0	5.7	5.0	100.0
18/01/98	20.00	8.0	11.2	72.6	.0	25.1	5.0	99.9
18/01/98	20.30	8.0	10.7	10.0	.0	52.1	5.0	99.9
18/01/98	21.00	8.1	10.5	37.0	.0	70.4	5.0	100.0
18/01/98	21.30	8.0	10.2	64.0	.0	79.5	5.0	100.0
18/01/98	22.00	8.3	10.0	10.0	.0	82.3	5.0	100.0
18/01/98	22.30	8.3	9.9	10.0	.0	79.8	5.0	100.0
18/01/98	23.00	8.0	9.9	10.0	.0	89.1	5.0	100.0
18/01/98	23.30	8.1	9.7	10.0	.0	89.6	5.0	100.0
19/01/98	00.00	8.3	9.7	10.0	.0	86.4	5.0	100.0
19/01/98	00.30	8.3	9.7	10.0	.0	88.4	5.0	100.0
19/01/98	01.00	8.2	9.7	10.0	.0	83.9	5.0	100.0
19/01/98	01.30	8.1	9.7	10.0	.0	88.1	5.0	100.0
19/01/98	02.00	8.0	9.6	10.0	.0	89.3	5.0	100.0
19/01/98	02.30	8.0	9.5	10.0	.0	93.3	5.0	100.0
19/01/98	03.00	8.0	9.5	10.0	.0	96.3	5.0	100.0
19/01/98	03.30	8.0	9.5	10.0	.0	96.5	5.0	100.0
19/01/98	04.00	8.1	9.5	10.0	.0	96.1	5.0	100.0
19/01/98	04.30	8.4	9.5	10.0	.0	98.6	5.0	100.0
19/01/98	05.00	8.8	9.6	10.0	.0	97.0	5.4	100.0
19/01/98	05.30	8.9	9.8	36.2	14.5	86.6	6.4	100.0
19/01/98	06.00	9.0	9.9	22.7	2.7	82.0	7.4	100.0
19/01/98	06.30	9.3	10.0	9.0	.0	92.0	8.5	100.0
19/01/98	07.00	9.8	10.5	.0	.0	117.4	9.5	100.0
19/01/98	07.30	10.0	14.7	.0	.0	150.7	10.5	100.0
19/01/98	08.00	11.2	30.0	.0	.0	182.8	11.5	98.8
19/01/98	08.30	12.9	33.8	.0	.0	205.9	12.5	98.7
19/01/98	09.00	13.6	28.5	5.3	.0	276.2	13.0	99.4
19/01/98	09.30	13.6	24.2	8.2	.0	318.9	13.0	93.0
19/01/98	10.00	13.5	21.3	3.1	.0	509.2	13.0	72.3
19/01/98	10.30	13.4	19.3	.5	.0	671.9	13.0	73.7
19/01/98	11.00	13.5	17.9	2.1	.0	851.0	13.0	73.5
19/01/98	11.30	13.8	17.0	14.2	.0	595.8	13.0	71.2
19/01/98	12.00	13.6	16.5	8.8	.0	536.7	13.0	71.8
19/01/98	12.30	13.3	16.0	1.2	.0	704.3	13.0	74.0
19/01/98	13.00	13.0	15.7	.0	.0	938.0	13.0	73.5
19/01/98	13.30	13.7	15.5	9.2	.0	752.9	13.0	68.2
19/01/98	14.00	13.7	15.6	11.4	.0	491.8	13.0	64.0
19/01/98	14.30	13.6	15.6	7.9	.0	590.4	13.0	66.5
19/01/98	15.00	13.6	15.3	4.6	.0	1019.3	13.0	69.9
19/01/98	15.30	13.3	15.3	2.5	.0	1052.7	13.0	72.1
19/01/98	16.00	12.4	16.5	.0	.0	1002.9	13.0	74.0
19/01/98	16.30	12.5	29.8	.0	.0	816.5	12.9	69.7
19/01/98	17.00	9.3	26.3	86.4	.0	137.7	6.7	65.2
19/01/98	17.30	8.0	21.1	88.8	14.5	.0	5.0	61.6
19/01/98	18.00	7.5	17.6	53.6	14.0	.0	5.0	66.1
19/01/98	18.30	7.3	15.1	29.3	4.6	14.9	5.0	68.4
19/01/98	19.00	6.7	13.4	36.8	7.0	35.5	5.0	71.1
19/01/98	19.30	6.6	12.1	33.8	4.2	45.3	5.0	67.0

19/01/98	20.00	6.5	11.1	33.6	4.5	63.6	5.0	70.9
19/01/98	20.30	6.6	10.6	32.8	5.5	57.7	5.0	66.3
19/01/98	21.00	6.7	10.2	37.8	9.2	57.5	5.0	63.2
19/01/98	21.30	6.6	9.9	36.6	8.6	59.8	5.0	64.5
19/01/98	22.00	6.6	9.7	38.9	9.6	62.1	5.0	60.3
19/01/98	22.30	6.6	9.5	31.1	5.8	64.9	5.0	66.4
19/01/98	23.00	6.6	9.4	35.8	7.8	67.1	5.0	67.9
19/01/98	23.30	6.7	9.2	31.1	3.3	64.8	5.0	68.4
20-01-98	00.00	7.1	9.2	10.0	.0	83.6	5.0	72.1
20/01/98	00.30	7.8	9.2	8.3	1.6	86.0	5.0	71.8
20/01/98	01.00	7.1	9.2	8.3	29.7	74.0	5.0	74.8
20/01/98	01.30	7.3	9.2	18.1	15.4	73.2	5.0	71.2
20/01/98	02.00	6.8	9.2	22.9	30.2	58.6	5.0	67.6
20/01/98	02.30	7.1	9.2	40.5	13.8	64.5	5.0	64.7
20/01/98	03.00	6.8	9.2	22.4	15.7	70.6	5.0	69.0
20/01/98	03.30	6.5	9.1	26.5	13.2	72.5	5.0	64.9
20/01/98	04.00	6.5	9.0	32.1	5.4	67.1	5.0	66.4
20/01/98	04.30	6.7	8.9	36.1	7.3	78.5	5.0	66.5
20/01/98	05.00	7.0	8.9	35.7	2.8	78.9	5.4	66.9
20/01/98	05.30	7.8	9.1	22.1	.0	83.9	6.4	64.4
20/01/98	06.00	8.8	9.2	11.0	.0	99.9	7.4	65.3
20/01/98	06.30	9.2	9.5	6.7	.0	111.9	8.5	68.6
20/01/98	07.00	9.6	10.4	.0	.0	116.8	9.5	70.0
20/01/98	07.30	10.1	17.7	.0	.0	122.0	10.5	70.0
20/01/98	08.00	11.4	26.4	.0	.0	129.5	11.5	65.8
20/01/98	08.30	12.3	28.2	.0	.0	134.0	12.5	63.9
20/01/98	09.00	12.9	29.7	.0	.0	135.6	13.0	63.2
20/01/98	09.30	13.4	27.9	.0	1.6	189.1	13.0	63.0
20/01/98	10.00	13.7	23.6	.0	9.2	448.2	13.0	62.3
20/01/98	10.30	13.8	21.1	.0	12.5	483.4	13.0	60.2
20/01/98	11.00	14.0	19.4	.0	19.8	473.6	13.0	55.7
20/01/98	11.30	13.7	18.3	.0	15.4	608.1	13.0	57.3
20/01/98	12.00	13.5	17.3	.0	5.3	1255.1	13.0	63.3
20/01/98	12.30	13.6	16.5	.0	5.4	1121.4	13.0	65.3
20/01/98	13.00	13.7	16.2	.0	10.0	577.1	13.0	59.6
20/01/98	13.30	13.6	16.0	.0	7.9	723.4	13.0	60.3
20/01/98	14.00	13.5	15.7	.0	2.2	918.0	13.0	65.3
20/01/98	14.30	13.6	15.5	.0	6.0	280.0	13.0	67.2
20/01/98	15.00	13.8	15.6	.0	13.8	456.1	13.0	62.9
20/01/98	15.30	13.6	15.6	.0	8.3	1031.3	13.0	62.3
20/01/98	16.00	13.4	15.4	.0	1.9	1392.5	13.0	67.3
20/01/98	16.30	12.8	15.4	.0	.0	1356.4	12.9	71.6
20/01/98	17.00	12.1	15.9	.0	3.2	1237.1	11.8	72.5
20/01/98	17.30	10.6	14.9	.0	19.5	806.3	9.8	68.9
20/01/98	18.00	9.2	14.0	5.7	33.1	556.2	7.8	65.2
20/01/98	18.30	8.0	13.2	20.6	50.6	498.3	5.8	61.0
20/01/98	19.00	7.4	12.3	24.1	52.7	487.1	5.0	59.4
20/01/98	19.30	7.2	11.5	21.5	51.5	490.3	5.0	60.5
20/01/98	20.00	7.0	11.0	18.3	48.3	485.3	5.0	61.1
20/01/98	20.30	7.2	10.6	19.8	49.8	482.7	5.0	59.9
20/01/98	21.00	7.2	10.4	19.9	49.3	480.1	5.0	61.1
20/01/98	21.30	7.1	10.2	18.3	48.3	478.0	5.0	59.5
20/01/98	22.00	7.1	9.9	18.3	48.3	476.9	5.0	58.7
20/01/98	22.30	7.0	9.9	18.4	48.4	477.6	5.0	58.0
20/01/98	23.00	6.9	9.7	14.0	44.0	472.7	5.0	57.5
20/01/98	23.30	7.1	9.7	16.5	46.5	478.5	5.0	58.5
21-01-98	00.00	6.9	9.5	15.6	45.6	476.8	5.0	60.5
21/01/98	00.30	6.8	9.4	14.2	44.2	473.6	5.0	60.8
21/01/98	01.00	6.9	9.3	13.2	43.2	477.7	5.0	61.0
21/01/98	01.30	7.2	9.2	19.7	49.7	483.3	5.0	59.0
21/01/98	02.00	6.8	9.2	14.8	44.8	480.2	5.0	59.2
21/01/98	02.30	6.8	9.1	11.8	41.8	482.6	5.0	58.7
21/01/98	03.00	6.8	8.9	12.6	42.6	483.5	5.0	57.0
21/01/98	03.30	6.7	8.8	12.2	42.2	440.3	5.0	57.9
21/01/98	04.00	6.5	8.6	6.9	36.9	436.8	5.0	59.5
21/01/98	04.30	6.6	8.5	7.6	37.6	445.1	5.0	59.8
21/01/98	05.00	6.7	8.4	1.7	28.3	449.6	5.4	58.2

21/01/98	05.30	7.4	8.4	.0	12.4	472.9	6.4	58.4
21/01/98	06.00	7.9	8.7	.0	1.0	520.4	7.4	61.5
21/01/98	06.30	8.0	13.8	.0	.0	558.6	8.5	63.5
21/01/98	07.00	9.2	26.4	.0	.0	588.3	9.5	59.8
21/01/98	07.30	10.9	29.5	.0	.0	615.6	10.5	58.0
21/01/98	08.00	11.2	27.6	.0	.0	640.3	11.5	58.5
21/01/98	08.30	11.9	35.2	.0	.0	662.1	12.5	57.0
21/01/98	09.00	13.4	39.3	.0	2.6	671.9	13.0	54.0
21/01/98	09.30	13.7	31.7	.0	10.6	668.8	13.0	54.5
21/01/98	10.00	13.7	26.5	.0	12.6	723.7	13.0	55.8
21/01/98	10.30	13.7	23.1	.0	12.5	752.6	13.0	56.4
21/01/98	11.00	14.0	21.0	.1	21.8	720.8	13.0	53.6
21/01/98	11.30	14.1	19.5	.4	26.4	659.8	13.0	50.4
21/01/98	12.00	14.0	18.7	.1	26.8	786.1	13.0	47.2
21/01/98	12.30	13.8	17.8	.0	16.5	837.8	13.0	50.0
21/01/98	13.00	14.1	17.1	.6	22.9	902.2	13.0	52.3
21/01/98	13.30	14.3	17.1	7.5	27.4	734.7	13.0	44.7
21/01/98	14.00	14.3	17.1	4.8	34.4	585.1	13.0	40.3
21/01/98	14.30	14.3	16.9	2.2	30.6	748.9	13.0	40.8
21/01/98	15.00	14.3	16.7	1.9	31.7	725.5	13.0	40.2
21/01/98	15.30	14.2	16.5	.6	28.9	736.0	13.0	40.6
21/01/98	16.00	13.8	16.2	.1	20.6	703.4	13.0	45.2
21/01/98	16.30	13.2	16.0	.0	3.4	758.2	12.9	53.5
21/01/98	17.00	11.8	15.3	.0	.0	734.0	11.8	60.8
21/01/98	17.30	10.4	14.5	.0	10.1	689.5	9.8	63.9
21/01/98	18.00	8.9	13.5	1.4	28.4	561.6	7.8	60.2
21/01/98	18.30	7.6	12.4	13.9	43.9	489.5	5.8	57.9
21/01/98	19.00	6.8	11.2	14.8	44.8	487.8	5.0	56.5
21/01/98	19.30	6.6	10.5	9.6	39.6	507.4	5.0	56.6
21/01/98	20.00	6.6	9.8	8.2	38.2	530.0	5.0	56.9
21/01/98	20.30	6.4	9.3	6.2	36.2	534.0	5.0	58.0
21/01/98	21.00	6.5	8.9	5.8	35.8	541.5	5.0	58.4
21/01/98	21.30	6.4	8.7	5.4	35.4	555.3	5.0	59.1
21/01/98	22.00	6.4	8.4	4.0	34.0	575.3	5.0	60.0
21/01/98	22.30	6.3	8.3	2.6	32.6	582.3	5.0	60.1
21/01/98	23.00	6.3	8.1	1.5	31.5	573.9	5.0	59.9
21/01/98	23.30	6.2	8.0	.8	30.8	577.5	5.0	59.9
22/01/98	00.00	6.1	8.0	.1	29.2	585.6	5.0	60.2
22/01/98	00.30	6.1	8.0	.0	28.1	576.2	5.0	60.1
22/01/98	01.00	6.1	7.9	.0	27.5	570.0	5.0	60.1
22/01/98	01.30	6.1	7.8	.0	27.8	573.8	5.0	60.3
22/01/98	02.00	6.1	7.8	.0	27.6	577.5	5.0	59.9
22/01/98	02.30	6.0	7.7	.0	25.9	580.5	5.0	60.4
22/01/98	03.00	6.1	7.6	.0	26.2	583.1	5.0	60.4
22/01/98	03.30	6.1	7.6	.0	26.8	561.5	5.0	60.4
22/01/98	04.00	6.1	7.6	.0	26.4	565.1	5.0	61.1
22/01/98	04.30	6.1	7.6	.1	28.7	584.6	5.0	61.2
22/01/98	05.00	6.2	7.6	.0	10.4	606.1	5.4	61.7
22/01/98	05.30	6.3	8.0	.0	.0	632.2	6.4	62.3
22/01/98	06.00	6.8	21.3	.0	.0	657.1	7.4	61.1
22/01/98	06.30	8.6	33.0	.0	.0	681.2	8.5	55.8
22/01/98	07.00	10.1	29.6	.0	3.4	701.0	9.5	51.8
22/01/98	07.30	10.0	28.2	.0	.0	717.6	10.5	53.3
22/01/98	08.00	10.5	39.4	.0	.0	729.8	11.5	52.7
22/01/98	08.30	12.2	48.9	.0	.0	738.7	12.5	50.3
22/01/98	09.00	13.6	48.0	.0	6.7	739.4	13.0	47.0
22/01/98	09.30	13.7	39.0	.0	10.9	722.9	13.0	46.8
22/01/98	10.00	13.5	31.1	.0	6.3	822.9	13.0	48.8
22/01/98	10.30	13.7	26.0	.0	8.2	942.8	13.0	51.1
22/01/98	11.00	13.7	22.7	.0	10.8	988.4	13.0	52.7
22/01/98	11.30	13.9	20.7	.0	18.6	939.4	13.0	49.7
22/01/98	12.00	13.8	19.3	.0	14.7	790.0	13.0	47.9
22/01/98	12.30	13.9	18.3	.0	17.8	847.6	13.0	50.4
22/01/98	13.00	13.9	17.7	.0	20.4	830.5	13.0	47.9
22/01/98	13.30	14.0	17.2	.0	25.0	803.4	13.0	46.9
22/01/98	14.00	14.0	16.9	.0	24.6	720.0	13.0	49.9
22/01/98	14.30	14.0	16.6	.0	24.8	737.7	13.0	53.6

22/01/98	15.00	13.9	16.2	.0	20.3	839.4	13.0	57.5
22/01/98	15.30	14.0	16.1	.0	24.1	938.5	13.0	56.5
22/01/98	16.00	13.5	15.9	.0	9.3	1069.8	13.0	58.0
22/01/98	16.30	12.4	16.7	.0	.0	1127.1	12.9	61.6
22/01/98	17.00	11.7	22.4	.0	.0	1128.0	11.8	63.8
22/01/98	17.30	10.4	19.4	.0	12.5	997.5	9.8	63.5
22/01/98	18.00	8.7	17.0	.0	22.9	705.1	7.8	60.7
22/01/98	18.30	7.2	14.8	6.7	36.7	563.7	5.8	59.3
22/01/98	19.00	6.5	12.9	6.7	36.7	518.8	5.0	59.5
22/01/98	19.30	6.4	11.5	4.1	34.1	525.7	5.0	59.4
22/01/98	20.00	6.3	10.6	2.0	32.0	527.8	5.0	59.6
22/01/98	20.30	6.2	9.8	.6	30.0	532.8	5.0	59.9
22/01/98	21.00	6.1	9.2	.0	27.6	531.5	5.0	60.6
22/01/98	21.30	6.1	8.8	.0	27.6	534.5	5.0	60.3
22/01/98	22.00	6.1	8.5	.0	27.2	537.9	5.0	60.6
22/01/98	22.30	6.0	8.2	.0	24.5	544.1	5.0	61.1
22/01/98	23.00	6.0	8.0	.0	25.1	549.5	5.0	61.3
22/01/98	23.30	6.0	8.0	.0	24.6	541.5	5.0	61.6
23-01-98	00.00	6.0	8.0	.0	24.7	535.2	5.0	62.0
23/01/98	00.30	6.1	7.8	.0	25.9	536.5	5.0	62.5
23/01/98	01.00	6.1	7.8	.0	26.2	544.7	5.0	62.9
23/01/98	01.30	6.0	7.7	.0	24.6	547.9	5.0	62.9
23/01/98	02.00	6.0	7.6	.0	24.2	550.4	5.0	63.0
23/01/98	02.30	6.0	7.6	.0	24.3	549.1	5.0	63.3
23/01/98	03.00	6.0	7.6	.0	23.7	544.8	5.0	63.0
23/01/98	03.30	6.0	7.5	.0	23.4	548.1	5.0	63.1
23/01/98	04.00	6.0	7.5	.0	24.0	556.2	5.0	63.2
23/01/98	04.30	6.0	7.5	.0	25.4	559.0	5.0	63.6
23/01/98	05.00	6.3	7.5	.0	12.8	566.2	5.4	63.1
23/01/98	05.30	6.5	7.7	.0	.0	598.0	6.4	64.2
23/01/98	06.00	6.8	13.5	.0	.0	626.6	7.4	63.3
23/01/98	06.30	7.7	23.6	.0	.0	653.8	8.5	61.2
23/01/98	07.00	9.4	31.6	.0	.0	678.3	9.5	57.4
23/01/98	07.30	10.9	29.6	.0	.0	688.8	10.5	58.5
23/01/98	08.00	11.2	27.9	.0	.0	701.7	11.5	60.3
23/01/98	08.30	11.8	35.3	.0	.0	727.0	12.5	59.3
23/01/98	09.00	13.2	40.1	.0	.0	846.5	13.0	56.1
23/01/98	09.30	13.6	34.4	.0	5.9	818.1	13.0	56.2
23/01/98	10.00	13.5	28.0	.0	2.4	916.9	13.0	58.6
23/01/98	10.30	13.2	23.9	.0	.4	1010.2	13.0	61.5
23/01/98	11.00	12.9	20.9	.0	.0	1057.8	13.0	63.3
23/01/98	11.30	13.2	18.9	.0	.0	1181.0	13.0	63.0
23/01/98	12.00	12.8	18.0	.0	.0	1306.0	13.0	65.4
23/01/98	12.30	12.5	20.5	.0	.0	1364.0	13.0	66.7
23/01/98	13.00	13.2	22.9	.0	.3	1413.4	13.0	64.1
23/01/98	13.30	13.6	20.0	.0	5.9	1419.7	13.0	62.5
23/01/98	14.00	13.5	18.5	.0	3.1	1339.0	13.0	63.1
23/01/98	14.30	13.4	17.2	.0	.7	1439.9	13.0	64.4
23/01/98	15.00	13.4	16.3	.0	.4	1578.3	13.0	65.5
23/01/98	15.30	13.2	15.8	.0	.0	1634.5	13.0	67.7
23/01/98	16.00	13.0	15.3	.0	.0	1730.3	13.0	67.8
23/01/98	16.30	12.8	14.8	.0	.0	1713.2	12.9	68.3
23/01/98	17.00	12.3	14.6	.0	6.2	1475.0	11.8	69.6
23/01/98	17.30	10.7	13.9	.0	21.4	835.6	9.8	70.1
23/01/98	18.00	9.2	13.3	6.7	36.7	499.8	7.8	68.9
23/01/98	18.30	7.7	12.5	15.6	45.6	429.5	5.8	70.2
23/01/98	19.00	6.9	11.5	15.8	45.8	427.4	5.0	71.8
23/01/98	19.30	6.8	10.7	12.1	42.1	435.4	5.0	72.6
23/01/98	20.00	6.6	10.3	9.0	39.0	441.3	5.0	73.4
23/01/98	20.30	6.6	9.9	9.2	39.2	441.4	5.0	73.5
23/01/98	21.00	6.6	9.7	9.1	39.1	436.0	5.0	73.1
23/01/98	21.30	6.8	9.5	11.5	41.5	427.9	5.0	71.2
23/01/98	22.00	6.9	9.4	13.8	43.8	426.6	5.0	69.5
23/01/98	22.30	7.0	9.4	15.0	45.0	427.5	5.0	68.3
23/01/98	23.00	7.1	9.2	18.2	48.2	425.4	5.0	68.0
23/01/98	23.30	7.2	9.1	19.7	49.7	432.6	5.0	67.3
24-01-98	00.00	7.2	9.1	19.7	49.7	440.1	5.0	68.8

24/01/98	00.30	7.8	9.1	28.7	58.7	445.1	5.0	65.9
24/01/98	01.00	8.1	9.2	35.8	65.8	438.8	5.0	64.3
24/01/98	01.30	8.2	9.4	38.7	68.7	426.5	5.0	63.0
24/01/98	02.00	8.4	9.5	42.9	72.9	429.8	5.0	61.1
24/01/98	02.30	8.8	9.7	57.6	37.7	438.7	5.0	62.7
24/01/98	03.00	8.5	9.9	76.3	47.0	444.3	5.0	69.2
24/01/98	03.30	8.3	10.0	44.8	37.5	441.2	5.0	73.8
24/01/98	04.00	7.6	10.1	24.6	55.2	408.0	5.0	74.5
24/01/98	04.30	7.6	10.0	27.4	57.4	404.1	5.0	68.5
24/01/98	05.00	7.8	10.0	21.7	51.7	399.8	5.4	64.5
24/01/98	05.30	8.2	10.0	9.6	39.6	403.4	6.4	61.1
24/01/98	06.00	9.0	10.1	4.0	34.0	412.7	7.4	58.7
24/01/98	06.30	9.7	10.4	1.0	26.9	418.1	8.5	60.2
24/01/98	07.00	10.4	10.6	.0	11.6	438.9	9.5	61.5
24/01/98	07.30	10.9	10.9	.0	1.2	462.1	10.5	65.7
24/01/98	08.00	11.0	14.1	.0	.0	480.4	11.5	66.6
24/01/98	08.30	11.6	23.6	.0	.0	496.4	12.5	64.1
24/01/98	09.00	13.0	30.5	.0	.0	511.4	13.0	60.5
24/01/98	09.30	13.7	26.3	.0	8.7	517.5	13.0	58.7
24/01/98	10.00	13.9	23.0	.0	16.7	672.6	13.0	56.7
24/01/98	10.30	14.0	20.9	.0	24.6	590.6	13.0	52.5
24/01/98	11.00	14.2	19.5	.6	29.1	497.3	13.0	48.5
24/01/98	11.30	14.4	18.7	2.9	32.9	443.1	13.0	44.3
24/01/98	12.00	14.4	18.3	6.0	36.0	422.5	13.0	42.3
24/01/98	12.30	14.4	18.0	4.2	34.2	474.8	13.0	41.8
24/01/98	13.00	14.5	17.9	6.7	36.7	471.0	13.0	41.2
24/01/98	13.30	14.4	17.6	3.4	33.2	462.2	13.0	41.8
24/01/98	14.00	14.6	17.7	8.7	38.7	417.6	13.0	39.8
24/01/98	14.30	14.4	17.4	4.7	34.5	460.0	13.0	40.4
24/01/98	15.00	14.3	17.2	3.8	33.7	519.1	13.0	40.9
24/01/98	15.30	14.3	17.0	3.7	33.7	558.7	13.0	40.4
24/01/98	16.00	14.2	16.7	1.0	29.9	549.7	13.0	42.1
24/01/98	16.30	14.1	16.3	.2	27.1	567.3	12.9	45.3
24/01/98	17.00	13.0	16.0	1.3	30.7	545.7	11.9	50.6
24/01/98	17.30	11.4	15.3	8.5	38.5	479.9	9.9	49.1
24/01/98	18.00	9.6	14.4	12.7	42.7	442.3	7.9	47.5
24/01/98	18.30	7.9	13.4	19.0	49.0	437.9	5.9	51.1
24/01/98	19.00	7.1	12.4	19.1	49.1	437.5	5.0	53.4
24/01/98	19.30	6.8	11.6	14.0	44.0	436.6	5.0	55.5
24/01/98	20.00	6.7	10.9	11.5	41.5	436.1	5.0	57.7
24/01/98	20.30	6.7	10.5	10.2	40.2	436.8	5.0	59.4
24/01/98	21.00	6.7	10.1	10.4	40.4	441.6	5.0	59.8
24/01/98	21.30	6.8	9.9	12.5	42.5	441.4	5.0	59.6
24/01/98	22.00	6.9	9.7	14.1	44.1	435.8	5.0	60.1
24/01/98	22.30	6.8	9.5	13.6	43.6	433.0	5.0	61.3
24/01/98	23.00	6.8	9.5	13.4	43.4	430.3	5.0	61.8
24/01/98	23.30	6.8	9.4	13.3	43.3	427.8	5.0	62.0
25/01/98	00.00	6.8	9.4	13.1	43.1	428.3	5.0	62.2
25/01/98	00.30	7.1	9.4	16.7	46.7	427.8	5.0	62.0
25/01/98	01.00	7.2	9.4	20.3	50.3	425.5	5.0	61.0
25/01/98	01.30	7.2	9.5	20.4	50.4	425.0	5.0	59.9
25/01/98	02.00	7.1	9.5	18.8	48.8	420.0	5.0	60.2
25/01/98	02.30	7.1	9.5	19.0	49.0	414.5	5.0	59.8
25/01/98	03.00	7.2	9.4	19.7	49.7	414.1	5.0	59.4
25/01/98	03.30	7.3	9.4	21.4	51.4	406.1	5.0	58.8
25/01/98	04.00	7.2	9.3	20.7	50.7	403.0	5.0	59.3
25/01/98	04.30	7.2	9.2	20.8	50.8	404.3	5.0	58.4
25/01/98	05.00	7.5	9.2	15.0	45.0	404.2	5.4	57.7
25/01/98	05.30	8.3	9.2	9.7	39.7	409.5	6.4	57.6
25/01/98	06.00	9.1	9.5	6.8	36.8	418.1	7.4	55.2
25/01/98	06.30	9.6	9.8	.8	24.7	434.4	8.5	57.9
25/01/98	07.00	9.7	10.4	.0	.8	454.8	9.5	60.6
25/01/98	07.30	9.9	14.4	.0	.0	474.7	10.5	61.1
25/01/98	08.00	10.7	23.7	.0	.0	488.9	11.5	59.3
25/01/98	08.30	12.1	32.9	.0	.0	500.1	12.5	55.5
25/01/98	09.00	13.4	34.4	.0	1.3	509.0	13.0	53.0
25/01/98	09.30	13.5	28.0	.0	3.5	514.4	13.0	53.3

25/01/98	10.00	13.6	24.0	.0	5.2	719.3	13.0	54.0
25/01/98	10.30	13.5	21.3	.0	4.9	791.5	13.0	54.8
25/01/98	11.00	13.7	19.5	.0	8.3	763.1	13.0	53.2
25/01/98	11.30	13.8	18.6	.0	14.2	599.5	13.0	48.7
25/01/98	12.00	13.8	18.0	.0	14.4	702.3	13.0	46.0
25/01/98	12.30	13.7	17.4	.0	14.3	611.2	13.0	44.8
25/01/98	13.00	13.8	17.0	.0	13.2	681.7	13.0	44.9
25/01/98	13.30	13.8	16.8	.0	15.6	611.3	13.0	43.9
25/01/98	14.00	13.9	16.6	.0	16.0	563.3	13.0	43.1
25/01/98	14.30	13.8	16.6	.0	15.7	509.2	13.0	42.5
25/01/98	15.00	13.7	16.3	.0	10.9	632.6	13.0	43.8
25/01/98	15.30	13.7	16.1	.0	11.0	754.4	13.0	45.5
25/01/98	16.00	13.7	16.1	.0	9.8	653.4	13.0	44.8
25/01/98	16.30	13.6	15.9	.0	6.7	708.7	12.9	48.6
25/01/98	17.00	12.4	15.4	.0	11.3	613.5	11.8	52.8
25/01/98	17.30	10.6	14.8	.0	20.6	497.3	9.8	52.5
25/01/98	18.00	9.0	13.8	3.4	33.3	443.4	7.8	52.8
25/01/98	18.30	7.4	12.8	9.5	39.5	434.6	5.8	56.3
25/01/98	19.00	6.6	11.6	9.7	39.7	429.0	5.0	59.7
25/01/98	19.30	6.5	10.7	7.1	37.1	434.0	5.0	62.0
25/01/98	20.00	6.5	10.1	6.2	36.2	437.0	5.0	62.7
25/01/98	20.30	6.3	9.6	3.2	33.2	442.6	5.0	64.0
25/01/98	21.00	6.3	9.2	2.4	32.4	448.7	5.0	63.9
25/01/98	21.30	6.1	8.8	.1	28.2	448.0	5.0	64.0
25/01/98	22.00	6.1	8.6	.0	26.4	449.9	5.0	63.1
25/01/98	22.30	6.0	8.3	.0	23.6	447.1	5.0	61.5
25/01/98	23.00	6.0	8.1	.0	23.9	448.6	5.0	60.5
25/01/98	23.30	6.0	8.0	.0	25.7	457.4	5.0	61.2
26/01/98	00.00	6.0	8.0	.0	24.7	463.4	5.0	62.0
26/01/98	00.30	6.3	8.0	1.7	29.8	459.6	5.0	60.3
26/01/98	01.00	6.5	8.0	5.3	35.3	441.9	5.0	57.6
26/01/98	01.30	6.4	8.0	5.9	35.9	440.7	5.0	57.3
26/01/98	02.00	6.5	8.0	5.5	35.5	442.5	5.0	56.9
26/01/98	02.30	6.6	8.0	7.1	37.1	444.2	5.0	56.6
26/01/98	03.00	6.6	8.2	8.6	38.6	440.6	5.0	56.2
26/01/98	03.30	6.6	8.1	8.9	38.9	438.4	5.0	56.1
26/01/98	04.00	6.7	8.2	9.4	39.4	436.0	5.0	55.6
26/01/98	04.30	6.7	8.2	10.4	40.4	440.6	5.0	55.7
26/01/98	05.00	7.1	8.2	6.4	36.4	447.2	5.4	54.6
26/01/98	05.30	7.8	8.3	1.2	30.4	463.4	6.4	55.4
26/01/98	06.00	8.4	8.6	.0	16.8	489.4	7.4	58.4
26/01/98	06.30	8.8	9.4	.0	.8	521.1	8.5	58.9
26/01/98	07.00	9.0	14.4	.0	.0	550.8	9.5	57.9
26/01/98	07.30	10.5	29.1	.0	.0	576.0	10.5	54.5
26/01/98	08.00	11.8	28.4	.0	.0	594.0	11.5	52.5
26/01/98	08.30	12.1	28.6	.0	.0	604.3	12.5	52.7
26/01/98	09.00	12.4	35.1	.0	.0	616.3	13.0	52.6
26/01/98	09.30	13.1	39.4	.0	.3	656.0	13.0	50.7
26/01/98	10.00	13.7	33.2	.0	9.4	640.2	13.0	49.7
26/01/98	10.30	13.7	27.3	.0	11.6	575.5	13.0	48.7
26/01/98	11.00	13.9	23.8	.0	17.8	505.4	13.0	45.8
26/01/98	11.30	14.0	21.6	.5	22.8	466.2	13.0	43.7
26/01/98	12.00	14.1	20.2	.0	25.2	434.2	13.0	40.9
26/01/98	12.30	14.1	19.2	.0	26.0	401.7	13.0	39.4
26/01/98	13.00	14.2	18.7	1.4	30.8	387.9	13.0	38.7
26/01/98	13.30	14.3	18.4	1.8	31.8	387.0	13.0	37.7
26/01/98	14.00	14.4	18.2	3.9	33.9	372.6	13.0	37.3
26/01/98	14.30	14.5	18.0	6.6	36.6	354.8	13.0	36.0
26/01/98	15.00	14.5	17.8	7.3	37.3	351.1	13.0	33.8
26/01/98	15.30	14.5	17.6	6.7	36.7	392.7	13.0	33.4
26/01/98	16.00	14.4	17.2	5.1	35.1	414.7	13.0	34.8
26/01/98	16.30	14.0	16.8	.1	26.2	423.7	12.9	38.2
26/01/98	17.00	12.9	16.2	1.3	30.9	434.9	11.8	43.4
26/01/98	17.30	11.2	15.5	5.6	35.6	440.0	9.8	44.5
26/01/98	18.00	9.6	14.4	15.5	45.5	449.3	7.8	46.4
26/01/98	18.30	7.7	13.2	17.2	47.2	455.1	5.8	49.3
26/01/98	19.00	6.8	11.9	14.1	44.1	464.9	5.0	52.9

26/01/98	19.30	6.8	10.9	12.8	42.8	483.2	5.0	55.2
26/01/98	20.00	6.7	10.2	10.4	40.4	493.4	5.0	57.1
26/01/98	20.30	6.6	9.6	8.9	38.9	483.9	5.0	58.6
26/01/98	21.00	6.7	9.2	9.4	39.4	483.4	5.0	58.6
26/01/98	21.30	6.6	8.9	9.5	39.5	493.7	5.0	60.1
26/01/98	22.00	6.6	8.7	8.5	38.5	509.8	5.0	60.6
26/01/98	22.30	6.6	8.5	8.9	38.9	529.2	5.0	61.0
26/01/98	23.00	6.6	8.3	8.8	38.8	543.4	5.0	61.1
26/01/98	23.30	6.6	8.2	8.9	38.9	548.3	5.0	61.4
27-01-98	00.00	6.6	8.2	8.2	38.2	554.0	5.0	61.6
27/01/98	00.30	6.9	8.2	12.9	42.9	558.7	5.0	60.5
27/01/98	01.00	7.1	8.2	17.6	47.6	546.9	5.0	58.3
27/01/98	01.30	7.1	8.2	18.6	48.6	543.3	5.0	57.1
27/01/98	02.00	7.2	8.3	20.3	50.3	538.9	5.0	55.8
27/01/98	02.30	7.4	8.3	23.1	53.1	522.2	5.0	53.1
27/01/98	03.00	7.5	8.4	26.5	56.5	519.3	5.0	51.7
27/01/98	03.30	7.6	8.6	27.0	57.0	482.1	5.0	50.7
27/01/98	04.00	7.6	8.7	28.3	58.3	473.5	5.0	49.8
27/01/98	04.30	7.6	8.8	29.3	59.3	468.1	5.0	49.6
27/01/98	05.00	8.0	8.9	24.3	54.3	472.1	5.4	49.7
27/01/98	05.30	8.7	9.1	16.5	46.5	467.7	6.4	48.6
27/01/98	06.00	9.4	9.4	12.3	42.3	477.5	7.4	49.2
27/01/98	06.30	9.9	9.7	3.2	32.8	499.4	8.5	50.6
27/01/98	07.00	9.9	10.3	.0	4.9	537.5	9.5	56.2
27/01/98	07.30	10.1	13.2	.0	.0	570.7	10.5	58.4
27/01/98	08.00	10.9	19.9	.0	.0	598.6	11.5	58.5
27/01/98	08.30	12.4	26.9	.0	.0	620.0	12.5	56.0
27/01/98	09.00	13.5	24.8	.0	2.9	647.5	13.0	55.8
27/01/98	09.30	13.7	21.4	.0	9.4	661.9	13.0	55.3
27/01/98	10.00	13.9	19.5	.0	17.6	609.1	13.0	50.5
27/01/98	10.30	14.1	18.5	.0	26.2	530.2	13.0	45.2
27/01/98	11.00	14.4	17.8	4.2	34.2	494.5	13.0	40.4
27/01/98	11.30	14.7	17.6	8.7	38.7	458.2	13.0	36.3
27/01/98	12.00	14.7	17.6	11.0	41.0	476.1	13.0	35.1
27/01/98	12.30	14.7	17.5	11.5	41.5	507.1	13.0	35.7
27/01/98	13.00	14.8	17.4	12.4	42.4	544.7	13.0	36.4
27/01/98	13.30	14.9	17.2	14.6	44.6	628.4	13.0	36.8
27/01/98	14.00	15.0	17.2	16.9	46.9	631.8	13.0	37.1
27/01/98	14.30	15.0	17.2	17.1	47.1	523.5	13.0	36.5
27/01/98	15.00	14.8	17.1	13.8	43.8	577.6	13.0	37.0
27/01/98	15.30	14.8	16.9	12.1	42.1	566.8	13.0	38.5
27/01/98	16.00	14.6	16.6	10.3	40.3	692.3	13.0	40.4
27/01/98	16.30	14.4	16.3	5.3	35.3	711.3	12.9	42.1
27/01/98	17.00	13.4	16.0	10.6	40.6	565.8	11.8	43.8
27/01/98	17.30	11.9	15.5	19.6	49.6	492.1	9.8	44.0
27/01/98	18.00	10.6	14.6	32.6	62.6	481.2	7.8	44.7
27/01/98	18.30	9.3	13.6	48.3	78.3	482.1	5.8	47.9
27/01/98	19.00	8.5	12.7	48.0	78.0	473.5	5.0	49.0
27/01/98	19.30	8.2	11.9	42.4	72.4	494.7	5.0	50.5
27/01/98	20.00	8.0	11.3	36.8	66.8	501.1	5.0	50.7
27/01/98	20.30	8.0	10.8	36.0	66.0	501.3	5.0	50.8
27/01/98	21.00	8.1	10.6	38.0	68.0	500.2	5.0	51.1
27/01/98	21.30	8.3	10.4	53.9	57.9	498.9	5.0	51.2
27/01/98	22.00	8.2	10.3	48.0	64.0	498.8	5.0	50.8
27/01/98	22.30	8.3	10.1	52.4	62.4	504.4	5.0	51.3
27/01/98	23.00	8.3	10.0	43.0	73.0	525.6	5.0	52.2
27/01/98	23.30	8.1	10.0	41.5	71.5	535.9	5.0	52.0
28-01-98	00.00	8.2	9.9	70.3	40.3	526.2	5.0	51.9
28/01/98	00.30	8.6	9.9	75.7	45.7	515.2	5.0	51.1
28/01/98	01.00	8.7	10.0	80.9	50.9	493.6	5.0	51.1
28/01/98	01.30	8.8	10.2	80.5	50.5	481.8	5.0	51.9
28/01/98	02.00	9.3	10.4	89.5	59.5	487.7	5.0	49.5
28/01/98	02.30	8.9	10.5	86.9	56.9	494.6	5.0	53.2
28/01/98	03.00	8.9	10.5	84.5	54.5	480.5	5.0	52.8
28/01/98	03.30	8.8	10.5	82.5	52.5	442.1	5.0	53.5
28/01/98	04.00	8.7	10.4	81.3	51.3	431.1	5.0	52.4
28/01/98	04.30	8.8	10.4	80.0	50.0	422.7	5.0	51.4