

**AANDERRA CURRENT METER DEPLOYMENT  
RANADI BEACH, SOLOMON ISLANDS  
17 December 1992 - 7 January 1993**

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## TABLE OF CONTENTS

|                                               | <i>Page</i> |
|-----------------------------------------------|-------------|
| SUMMARY .....                                 | 5           |
| ACKNOWLEDGEMENT .....                         | 4           |
| OBJECTIVE .....                               | 6           |
| INTRODUCTION .....                            | 6           |
| METHOD & EQUIPMENT .....                      | 6           |
| RESULTS .....                                 | 6           |
| CONCLUSIONS .....                             | 10          |
| APPENDICES                                    |             |
| 1    Data listing in engineering units        |             |
| 2    Aanderra RCM4 Calibration Specifications |             |
| 3    Deployment trip log                      |             |

## LIST OF FIGURES

Figure

|   |                                   |    |
|---|-----------------------------------|----|
| 1 | Location diagram .....            | 7  |
| 2 | Current meter deployed .....      | 8  |
| 3 | Temperature plot .....            | 9  |
| 4 | Water conductivity plot.....      | 11 |
| 5 | Water pressure plot .....         | 12 |
| 6 | Current directions rose plot..... | 13 |
| 7 | Current velocities plot .....     | 14 |

## **ACKNOWLEDGEMENT**

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## **SUMMARY**

An Aanderra RCM 4 current meter recording 6 parameters was deployed of Ranadi Beach adjacent to the maritime school from the 18 December 1992 to 18 January 1993. The recorded data set is good only for the period 18 December through to 16:30 hours on the 2nd of January 1993 after which the meter developed an electronic fault.

During the recording period the predominant current is in a north east direction with velocities of up to 1.96 knots being reached. Meteorological factors such as wind, wave, and swell direction have not been taken into account in this preliminary assessment of the data.



## **OBJECTIVE**

The objective of this study is the acquisition of data pertaining to near surface currents off Ranadi Beach to ascertain fresh water discharge from the Lungga River and hence possible dispersion paths for pollutants seawards.

## **INTRODUCTION**

Ranadi Beach is located approximately 5 km east of Honiara and extends for 4 km between the Marine Training School at the southwest end and the mouth of the Lungga River at the northeast end. Adjacent to Ranadi beach is the Ranadi Industrial Estate where there are many existing and planned development which include for the transfer and storage of gas and fuel. In the event of spillage, the current data collected and meteorological data can be combined to develop a hazard map(s) to depict potential movement of near surface pollutants.

## **METHOD & EQUIPMENT**

Figure 1 is the location of the current meter/deployed.

Water depth at the deployment site was 11 m.

The current meter was an Aanderra RCM 4 serial No. 7286 which recorded six parameters: date and time, water temperature, conductivity, pressure, current direction and speed. Figure 2 shows the current meter when deployed.

The unit was deployed on 18 December 1992 from an aluminium boat. Positioning was by a hand-held Magellan GPS 5000 receiver. The meter was then retrieved on the 18 January 1993 by staff from the Marine Training School.

## **RESULTS**

Appendix I is a listing of the recorded data converted from the Aanderra format into engineering units. There are eight columns in the listing.

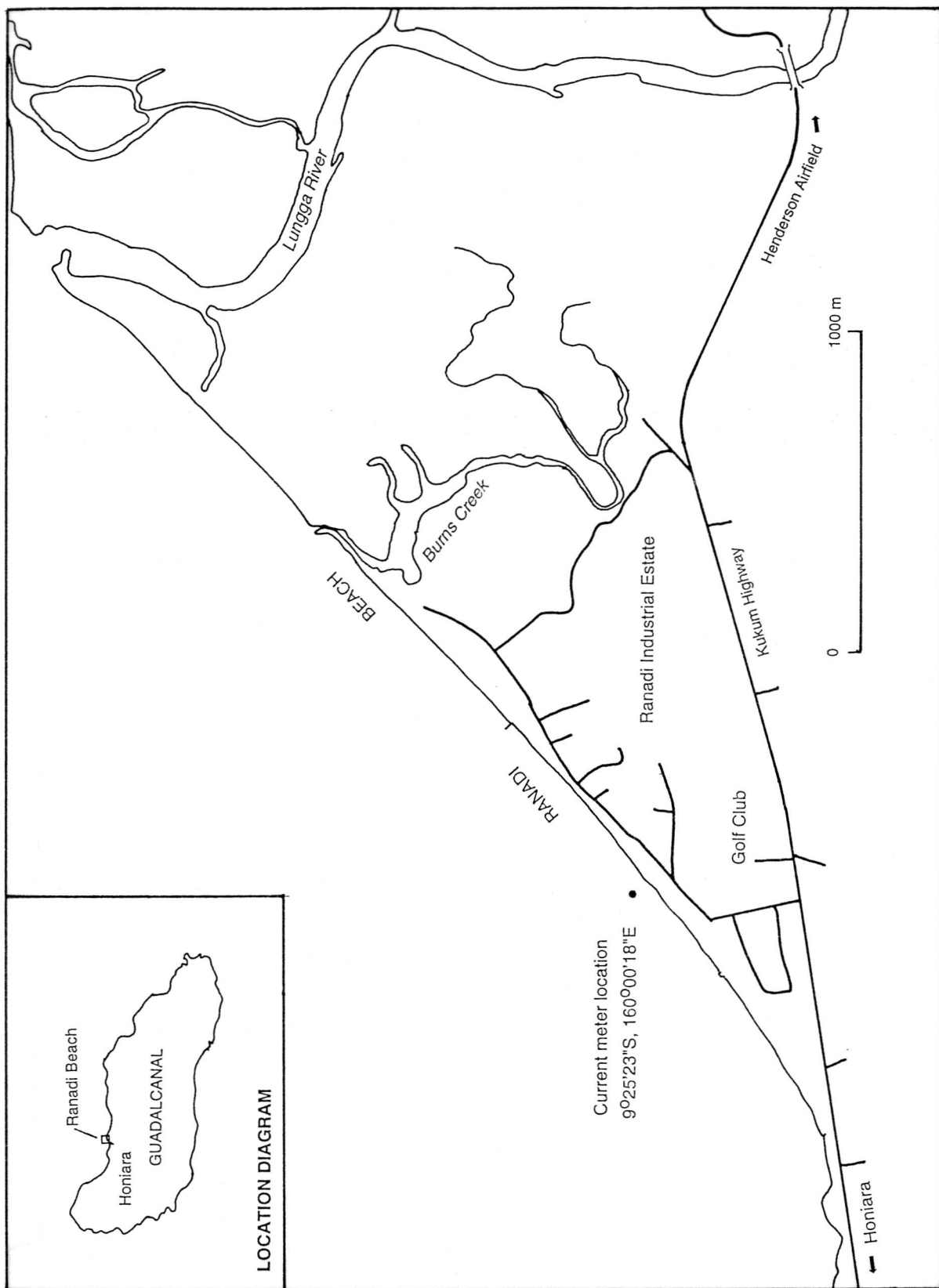


Figure 1. Location diagram.

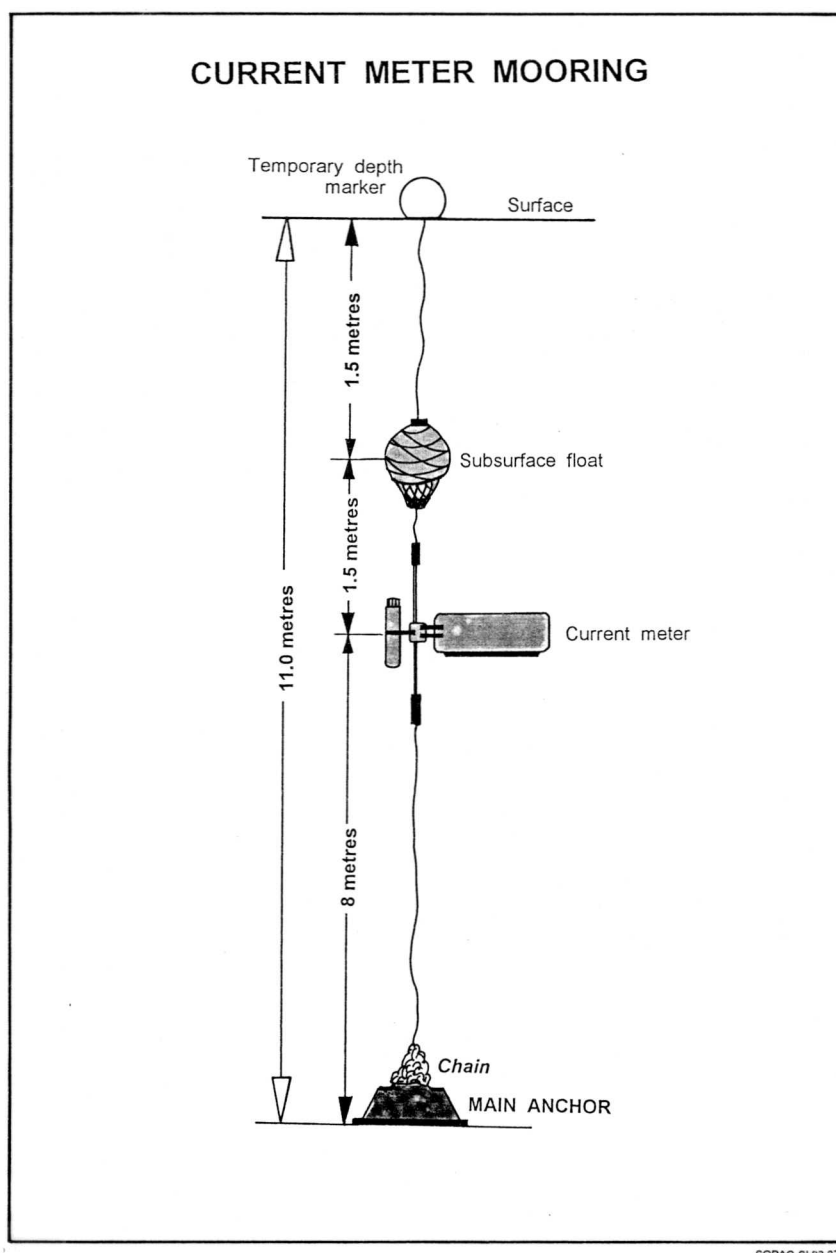


Figure 2. Current meter deployed.

Column 1 is the date with reference to GMT.

Column 2 is the time with reference to GMT.

Column 3 is the recording units reference number. This number serves two purposes: (1) to identify the unit and (2) a quality control check of the unit's integrity for normal functioning during recording of data. In this case the units specified reference number (Appendix 2) should be 870, but is reading 1023. From the point of deployment 18 December 1992 through to 2 January 1993

the unit's reference number was consistent at 1023. At approximately 16:50 hours on 2 January the reference number went indicating that all data after this time invalid. Therefore only data from 18 December through to 2 January at 16:30 hours can be considered reliable.

*Column 4* is water temperature expressed in *degrees °C*. Figure 3 is a temperature plot for the period 18 December to 2 January. Temperature varies from 27.5° C to 30° C.

*Column 5* in the listing is conductivity of the water. This is expressed in *mmho/cm*. Figure 4 is a plot of conductivity for the period 18 December to the 2nd of January 1993.

*Column 6* in the listing is water pressure and is expressed in *kg/cm<sup>2</sup>* for the same period. Figure 5 is a plot of water pressure. The cyclic nature of the graph reflects tide variation.

*Column 7* in the listing is current direction expressed as a *magnetic bearing*. Figure 6 is a rose plot of the current directions for the period 18 December 1992 to 2nd January 1993. The mean direction appears to be 45.7 degrees magnetic indicating that 60% of the time the current is moving in a northeasterly direction.

*Column 8*. in the listing is current velocity expressed as *cm/sec*. Figure 7 is a plot of current velocities for the same period, cyclically reflecting rise/fall of the tide.

## CONCLUSIONS

1. Predominant current direction appears to be to the north east.
2. Current velocities vary between as little as 4.2 cm/sec (0.04 knot) up to 100 cm/sec (1.96 knots). Depending on daily weekly tidal cycles?

# WATER TEMPERATURE

Station Ranadi Beach

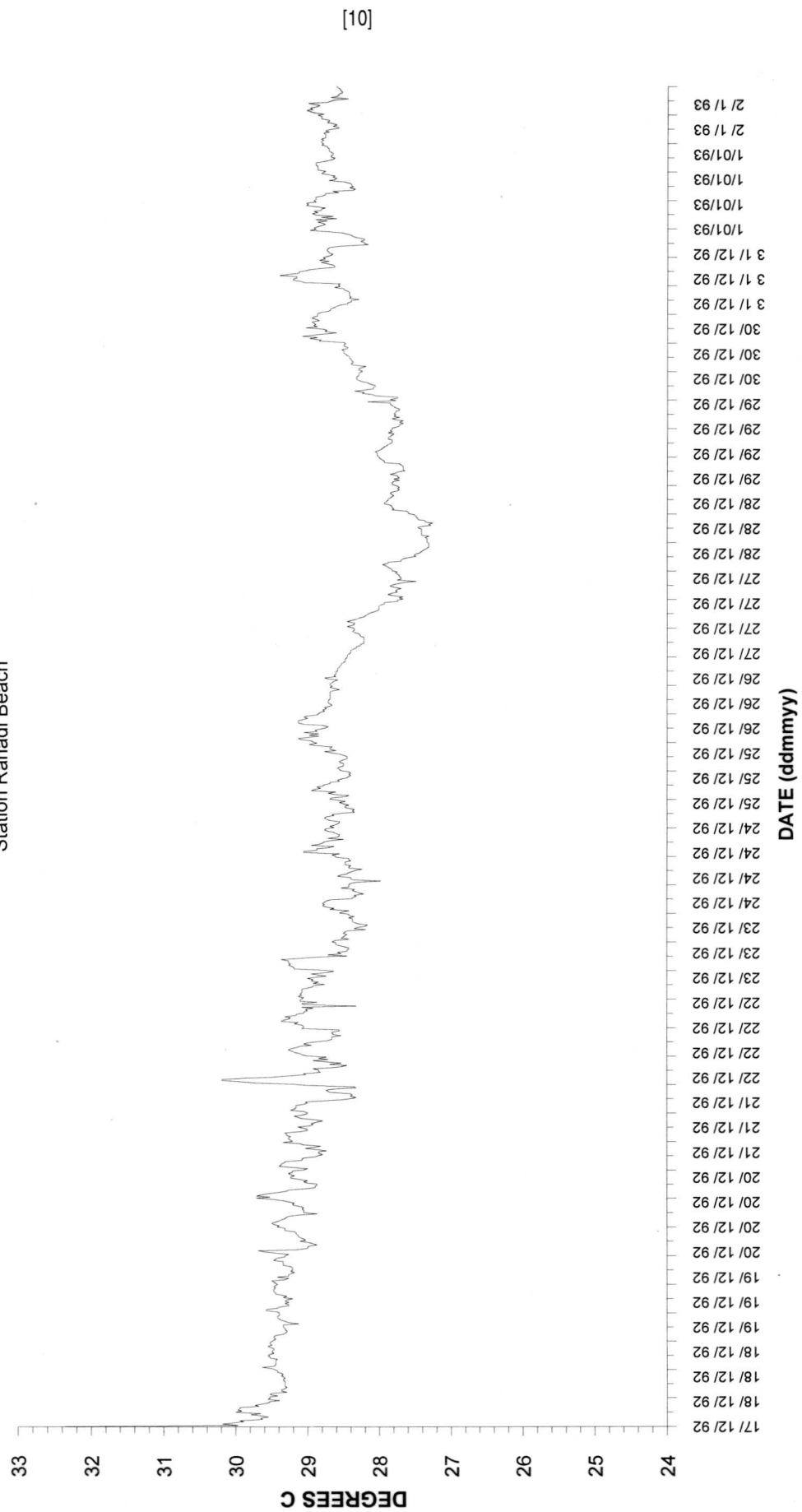


Figure 3. Temperature plot for the period 18 December 1992 to 2 January 1993.

# WATER CONDUCTIVITY

Station Ranadi Beach

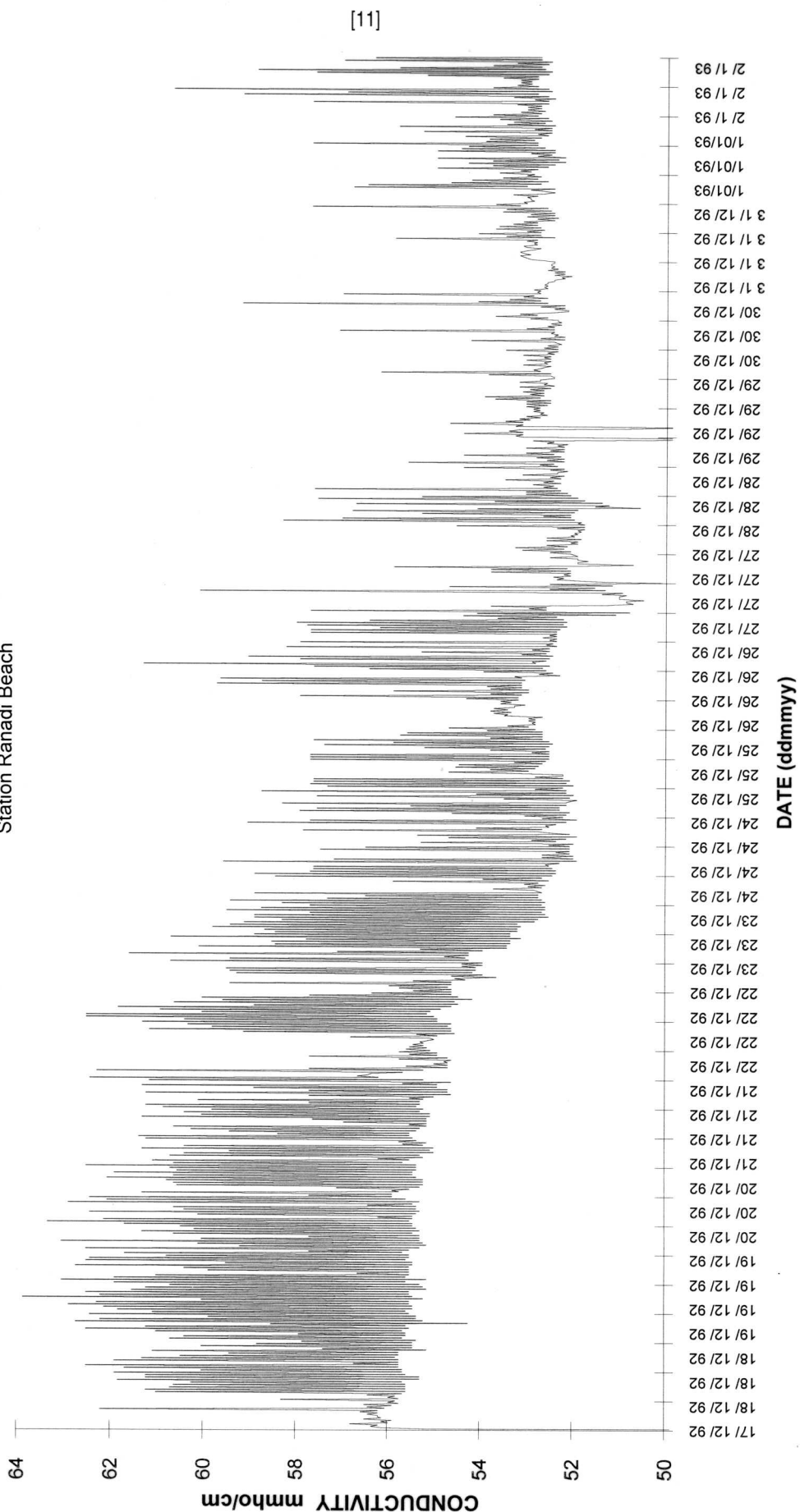


Figure 4. Plot of water conductivity for the period 18 December 1992 to 2 January 1993.

# WATER PRESSURE

Station Ranadi Beach

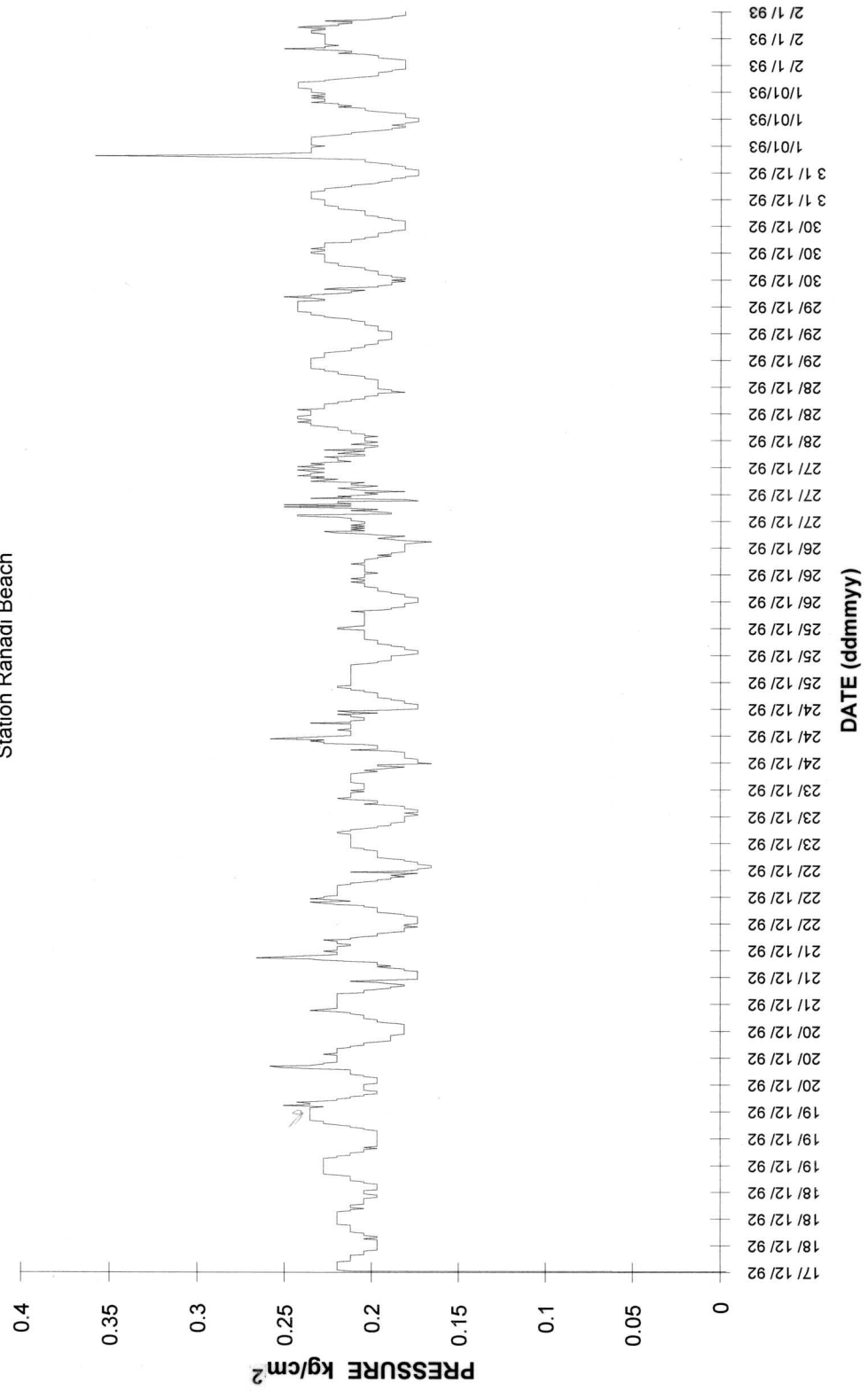
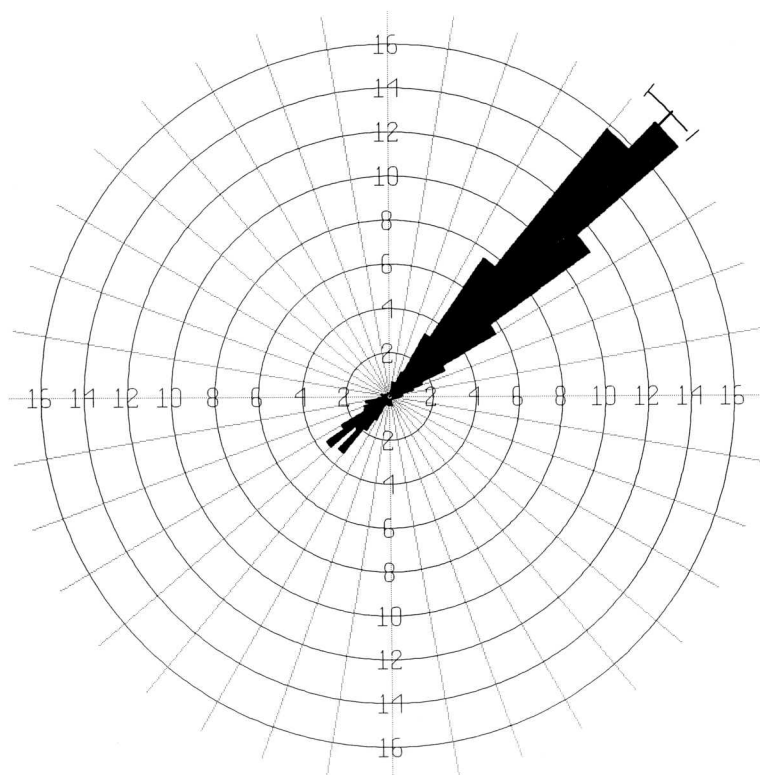


Figure 5. Plot of water pressure.



|                     |                |
|---------------------|----------------|
| Calculation Method  | Frequency      |
| Class Interval      | 5 Degrees      |
| Filtering           | Deactivated    |
| Data Type           | Unidirectional |
| Rotation Amount     | 0.0 Degrees    |
| Population          | 1129           |
| Maximum Percentage  | 17.5 Percent   |
| Mean Percentage     | 1.5 Percent    |
| Standard Deviation  | 3.26 Percent   |
| Vector Mean         | 45.70 Degrees  |
| Confidence Interval | 4.50 Degrees   |
| R-mag               | 0.49           |

Figure 6. Rose plot of the current directions for the period 18 December 1992 to 2 January 1993.



# CURRENT VELOCITY

Station Ranadi Beach

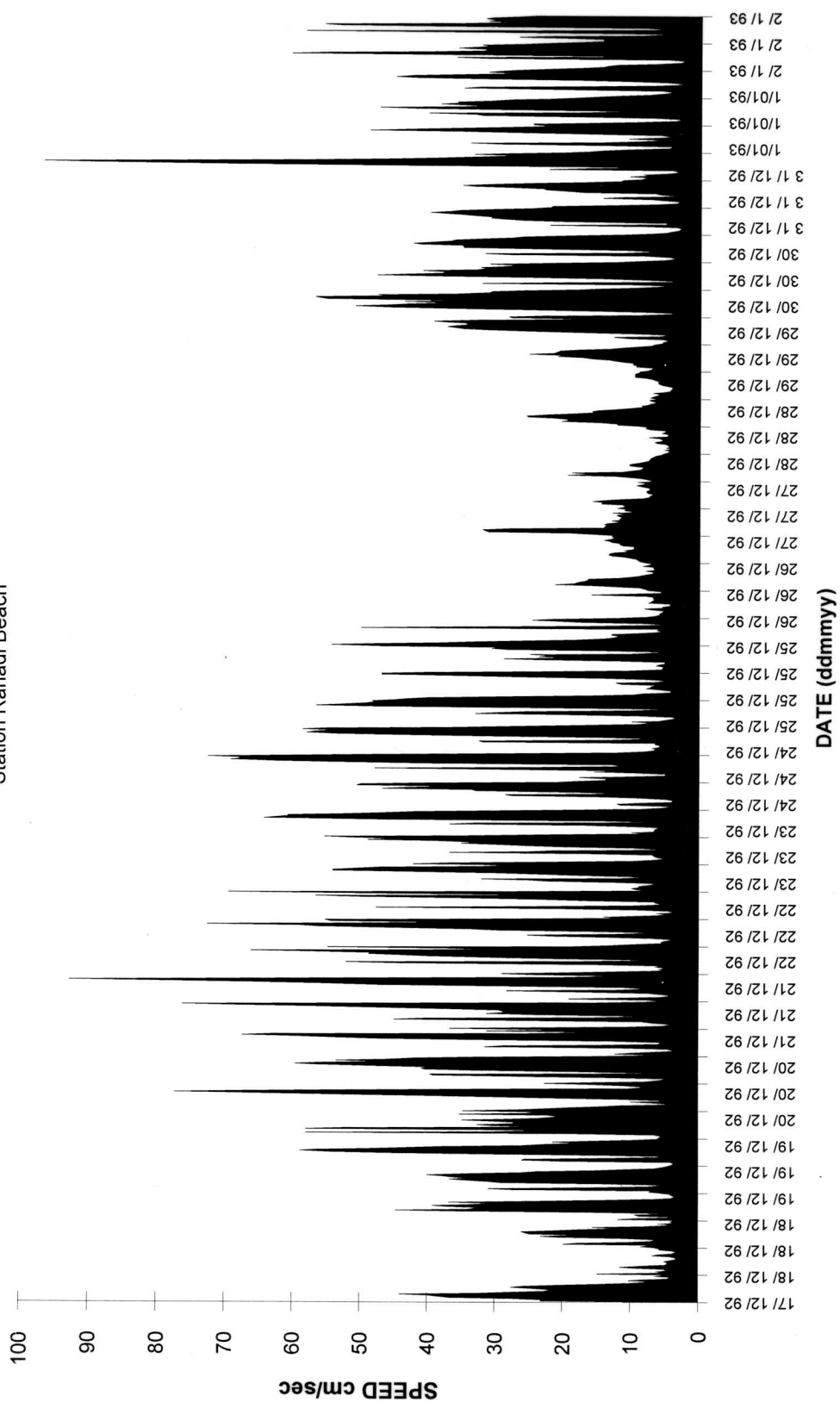


Figure 7. Plot of current velocities for the period 18 December 1992 to 2 January 1993.

## **APPENDIX 1**

Data Listing in engineering units

| DATE       | TIME   | REF : | TEMP C deg | CONDUCTIVITY<br>mmho/cm | PRESSURE<br>kg/cm2 | DIRECTION<br>Degmag | SPEED<br>cm/sec |
|------------|--------|-------|------------|-------------------------|--------------------|---------------------|-----------------|
| 17/ 12/ 92 | 23: 50 | 1023  | 32.355579  | 0                       | -0.4046            | 180.188             | 6.96            |
| 18/ 12/ 92 | 0: 10  | 1023  | 29.971071  | 55.295681               | 0.21196            | 45.823              | 23.2            |
| 18/ 12/ 92 | 0: 30  | 1023  | 30.1828    | 56.12211227             | 0.219667           | 63.622              | 23.06           |
| 18/ 12/ 92 | 0: 50  | 1023  | 30.050411  | 56.34749985             | 0.219667           | 53.501              | 27.26           |
| 18/ 12/ 92 | 1: 10  | 1023  | 29.891798  | 56.19723892             | 0.219667           | 48.615              | 36.64           |
| 18/ 12/ 92 | 1: 30  | 1023  | 29.944639  | 56.79827881             | 0.219667           | 38.843              | 38.18           |
| 18/ 12/ 92 | 1: 50  | 1023  | 29.628048  | 55.97185135             | 0.219667           | 46.87               | 39.86           |
| 18/ 12/ 92 | 2: 10  | 1023  | 29.654388  | 56.12211227             | 0.219667           | 43.38               | 44.06           |
| 18/ 12/ 92 | 2: 30  | 1023  | 29.549068  | 55.89672089             | 0.219667           | 47.917              | 32.02           |
| 18/ 12/ 92 | 2: 50  | 1023  | 29.628048  | 56.49776077             | 0.219667           | 56.293              | 27.54           |
| 18/ 12/ 92 | 3: 10  | 1023  | 29.786207  | 56.12211227             | 0.21196            | 61.877              | 22.64           |
| 18/ 12/ 92 | 3: 30  | 1023  | 29.654388  | 56.19723892             | 0.21196            | 49.313              | 21.66           |
| 18/ 12/ 92 | 3: 50  | 1023  | 29.997509  | 56.19723892             | 0.21196            | 53.501              | 25.02           |
| 18/ 12/ 92 | 4: 10  | 1023  | 29.918215  | 56.42263031             | 0.21196            | 49.313              | 27.54           |
| 18/ 12/ 92 | 4: 30  | 1023  | 29.971071  | 56.19723892             | 0.21196            | 53.501              | 25.72           |
| 18/ 12/ 92 | 4: 50  | 1023  | 29.944639  | 56.57289124             | 0.21196            | 51.407              | 21.1            |
| 18/ 12/ 92 | 5: 10  | 1023  | 29.944639  | 56.19723892             | 0.204253           | 63.273              | 14.66           |
| 18/ 12/ 92 | 5: 30  | 1023  | 29.680738  | 62.2076416              | 0.204253           | 59.783              | 10.04           |
| 18/ 12/ 92 | 5: 50  | 1023  | 29.733458  | 56.04698181             | 0.204253           | 38.843              | 7.1             |
| 18/ 12/ 92 | 6: 10  | 1023  | 29.628048  | 56.42263031             | 0.204253           | 47.219              | 10.18           |
| 18/ 12/ 92 | 6: 30  | 1023  | 29.549068  | 55.89672089             | 0.196546           | 46.172              | 8.08            |
| 18/ 12/ 92 | 6: 50  | 1023  | 29.522757  | 56.49776077             | 0.196546           | 2.547               | 4.44            |
| 18/ 12/ 92 | 7: 10  | 1023  | 29.39131   | 55.74645996             | 0.196546           | 47.219              | 4.16            |
| 18/ 12/ 92 | 7: 30  | 1023  | 29.549068  | 55.97185135             | 0.196546           | 62.575              | 6.4             |
| 18/ 12/ 92 | 7: 50  | 1023  | 29.522757  | 55.82159042             | 0.196546           | 52.803              | 4.72            |
| 18/ 12/ 92 | 8: 10  | 1023  | 29.522757  | 58.30088043             | 0.196546           | 230.095             | 14.8            |
| 18/ 12/ 92 | 8: 30  | 1023  | 29.417585  | 55.74645996             | 0.196546           | 28.024              | 5.14            |
| 18/ 12/ 92 | 8: 50  | 1023  | 29.522757  | 55.97185135             | 0.196546           | 107.945             | 6.26            |
| 18/ 12/ 92 | 9: 10  | 1023  | 29.496452  | 55.82159042             | 0.196546           | 88.052              | 4.58            |
| 18/ 12/ 92 | 9: 30  | 1023  | 29.286283  | 56.42263031             | 0.196546           | 96.428              | 5               |
| 18/ 12/ 92 | 9: 50  | 1023  | 29.365044  | 55.6713295              | 0.204253           | 69.904              | 9.06            |
| 18/ 12/ 92 | 10: 10 | 1023  | 29.365044  | 61.00556183             | 0.196546           | 50.709              | 11.44           |
| 18/ 12/ 92 | 10: 30 | 1023  | 29.312531  | 55.59619904             | 0.196546           | 67.112              | 8.08            |
| 18/ 12/ 92 | 10: 50 | 1023  | 29.286283  | 61.2309494              | 0.204253           | 91.542              | 4.86            |
| 18/ 12/ 92 | 11: 10 | 1023  | 29.312531  | 55.59619904             | 0.204253           | 94.334              | 4.58            |
| 18/ 12/ 92 | 11: 30 | 1023  | 29.312531  | 60.70503998             | 0.204253           | 167.973             | 4.58            |
| 18/ 12/ 92 | 11: 50 | 1023  | 29.312531  | 55.59619904             | 0.21196            | 281.747             | 5               |
| 18/ 12/ 92 | 12: 10 | 1023  | 29.312531  | 60.62990952             | 0.21196            | 241.263             | 4.3             |
| 18/ 12/ 92 | 12: 30 | 1023  | 29.312531  | 55.59619904             | 0.21196            | 268.834             | 3.32            |
| 18/ 12/ 92 | 12: 50 | 1023  | 29.338783  | 60.25426102             | 0.21196            | 240.914             | 3.32            |
| 18/ 12/ 92 | 13: 10 | 1023  | 29.338783  | 55.6713295              | 0.21196            | 282.445             | 4.02            |
| 18/ 12/ 92 | 13: 30 | 1023  | 29.312531  | 61.83198929             | 0.21196            | 30.816              | 6.68            |
| 18/ 12/ 92 | 13: 50 | 1023  | 29.338783  | 55.295681               | 0.21196            | 48.266              | 5.84            |
| 18/ 12/ 92 | 14: 10 | 1023  | 29.365044  | 61.2309494              | 0.219667           | 43.38               | 3.88            |
| 18/ 12/ 92 | 14: 30 | 1023  | 29.338783  | 55.295681               | 0.219667           | 61.877              | 3.18            |
| 18/ 12/ 92 | 14: 50 | 1023  | 29.365044  | 61.2309494              | 0.219667           | 98.173              | 3.74            |
| 18/ 12/ 92 | 15: 10 | 1023  | 29.417585  | 55.59619904             | 0.219667           | 265.344             | 5.7             |
| 18/ 12/ 92 | 15: 30 | 1023  | 29.417585  | 61.90711975             | 0.219667           | 239.518             | 5.7             |
| 18/ 12/ 92 | 15: 50 | 1023  | 29.443867  | 55.6713295              | 0.219667           | 233.236             | 6.4             |
| 18/ 12/ 92 | 16: 10 | 1023  | 29.496452  | 60.02886963             | 0.219667           | 241.612             | 8.36            |
| 18/ 12/ 92 | 16: 30 | 1023  | 29.628048  | 55.6713295              | 0.219667           | 219.974             | 6.96            |
| 18/ 12/ 92 | 16: 50 | 1023  | 29.470156  | 61.68173218             | 0.219667           | 222.417             | 19.84           |

|            |        |      |           |             |          |         |       |
|------------|--------|------|-----------|-------------|----------|---------|-------|
| 18/ 12/ 92 | 17: 10 | 1023 | 29.443867 | 55.74645996 | 0.219667 | 219.276 | 17.88 |
| 18/ 12/ 92 | 17: 30 | 1023 | 29.443867 | 62.50815964 | 0.219667 | 237.773 | 10.18 |
| 18/ 12/ 92 | 17: 50 | 1023 | 29.443867 | 55.74645996 | 0.219667 | 291.17  | 6.82  |
| 18/ 12/ 92 | 18: 10 | 1023 | 29.443867 | 56.72315216 | 0.21196  | 37.447  | 6.26  |
| 18/ 12/ 92 | 18: 30 | 1023 | 29.443867 | 55.74645996 | 0.21196  | 55.944  | 11.3  |
| 18/ 12/ 92 | 18: 50 | 1023 | 29.417585 | 61.90711975 | 0.204253 | 50.709  | 20.54 |
| 18/ 12/ 92 | 19: 10 | 1023 | 29.522757 | 55.74645996 | 0.21196  | 52.454  | 23.2  |
| 18/ 12/ 92 | 19: 30 | 1023 | 29.522757 | 61.30607986 | 0.21196  | 50.011  | 17.46 |
| 18/ 12/ 92 | 19: 50 | 1023 | 29.549068 | 55.82159042 | 0.21196  | 46.172  | 24.74 |
| 18/ 12/ 92 | 20: 10 | 1023 | 29.522757 | 60.4796524  | 0.204253 | 45.474  | 25.44 |
| 18/ 12/ 92 | 20: 30 | 1023 | 29.470156 | 55.74645996 | 0.204253 | 43.38   | 26    |
| 18/ 12/ 92 | 20: 50 | 1023 | 29.496452 | 59.42782974 | 0.204253 | 45.474  | 21.24 |
| 18/ 12/ 92 | 21: 10 | 1023 | 29.496452 | 55.74645996 | 0.204253 | 43.729  | 17.6  |
| 18/ 12/ 92 | 21: 30 | 1023 | 29.470156 | 61.08069229 | 0.204253 | 55.595  | 12.14 |
| 18/ 12/ 92 | 21: 50 | 1023 | 29.470156 | 55.14542007 | 0.204253 | 86.307  | 15.5  |
| 18/ 12/ 92 | 22: 10 | 1023 | 29.522757 | 57.3993187  | 0.196546 | 61.877  | 7.94  |
| 18/ 12/ 92 | 22: 30 | 1023 | 29.549068 | 55.44594193 | 0.196546 | 116.67  | 3.88  |
| 18/ 12/ 92 | 22: 50 | 1023 | 29.496452 | 60.02886963 | 0.196546 | 166.228 | 5.84  |
| 18/ 12/ 92 | 23: 10 | 1023 | 29.522757 | 55.44594193 | 0.204253 | 82.817  | 3.74  |
| 18/ 12/ 92 | 23: 30 | 1023 | 29.522757 | 58.82678986 | 0.204253 | 62.924  | 4.16  |
| 18/ 12/ 92 | 23: 50 | 1023 | 29.496452 | 55.44594193 | 0.204253 | 48.964  | 3.46  |
| 19/ 12/ 92 | 0: 10  | 1023 | 29.470156 | 57.85010147 | 0.204253 | 46.87   | 11.72 |
| 19/ 12/ 92 | 0: 30  | 1023 | 29.443867 | 55.37081146 | 0.196546 | 35.004  | 9.06  |
| 19/ 12/ 92 | 0: 50  | 1023 | 29.470156 | 60.70503998 | 0.196546 | 164.832 | 2.9   |
| 19/ 12/ 92 | 1: 10  | 1023 | 29.470156 | 55.6713295  | 0.196546 | 212.296 | 8.64  |
| 19/ 12/ 92 | 1: 30  | 1023 | 29.443867 | 60.40452194 | 0.196546 | 224.162 | 9.34  |
| 19/ 12/ 92 | 1: 50  | 1023 | 29.338783 | 55.59619904 | 0.196546 | 85.26   | 4.58  |
| 19/ 12/ 92 | 2: 10  | 1023 | 29.312531 | 57.92523193 | 0.196546 | 43.38   | 15.22 |
| 19/ 12/ 92 | 2: 30  | 1023 | 29.286283 | 55.59619904 | 0.204253 | 45.474  | 35.66 |
| 19/ 12/ 92 | 2: 50  | 1023 | 29.286283 | 61.00556183 | 0.204253 | 56.293  | 44.62 |
| 19/ 12/ 92 | 3: 10  | 1023 | 29.312531 | 55.6713295  | 0.21196  | 48.964  | 33.84 |
| 19/ 12/ 92 | 3: 30  | 1023 | 29.312531 | 62.50815964 | 0.21196  | 51.058  | 32.3  |
| 19/ 12/ 92 | 3: 50  | 1023 | 29.338783 | 55.52107239 | 0.21196  | 55.246  | 37.06 |
| 19/ 12/ 92 | 4: 10  | 1023 | 29.338783 | 61.2309494  | 0.21196  | 48.964  | 39.16 |
| 19/ 12/ 92 | 4: 30  | 1023 | 29.338783 | 55.59619904 | 0.21196  | 45.823  | 33.84 |
| 19/ 12/ 92 | 4: 50  | 1023 | 29.128963 | 58.52627182 | 0.219667 | 39.89   | 30.34 |
| 19/ 12/ 92 | 5: 10  | 1023 | 29.260046 | 54.24386215 | 0.227374 | 53.501  | 36.78 |
| 19/ 12/ 92 | 5: 30  | 1023 | 29.312531 | 62.73355103 | 0.227374 | 49.662  | 23.2  |
| 19/ 12/ 92 | 5: 50  | 1023 | 29.365044 | 55.22055054 | 0.227374 | 37.447  | 13.54 |
| 19/ 12/ 92 | 6: 10  | 1023 | 29.39131  | 62.2076416  | 0.227374 | 53.85   | 6.4   |
| 19/ 12/ 92 | 6: 30  | 1023 | 29.417585 | 55.37081146 | 0.227374 | 4.641   | 3.88  |
| 19/ 12/ 92 | 6: 50  | 1023 | 29.417585 | 59.8786087  | 0.227374 | 337.587 | 3.46  |
| 19/ 12/ 92 | 7: 10  | 1023 | 29.39131  | 55.37081146 | 0.227374 | 329.56  | 3.88  |
| 19/ 12/ 92 | 7: 30  | 1023 | 29.39131  | 62.43302917 | 0.227374 | 352.943 | 4.16  |
| 19/ 12/ 92 | 7: 50  | 1023 | 29.39131  | 55.52107239 | 0.227374 | 59.085  | 5.56  |
| 19/ 12/ 92 | 8: 10  | 1023 | 29.417585 | 61.08069229 | 0.227374 | 59.783  | 7.24  |
| 19/ 12/ 92 | 8: 30  | 1023 | 29.575388 | 55.59619904 | 0.227374 | 231.142 | 6.82  |
| 19/ 12/ 92 | 8: 50  | 1023 | 29.575388 | 61.83198929 | 0.227374 | 225.907 | 27.54 |
| 19/ 12/ 92 | 9: 10  | 1023 | 29.417585 | 55.44594193 | 0.227374 | 221.021 | 30.9  |
| 19/ 12/ 92 | 9: 30  | 1023 | 29.39131  | 62.13251114 | 0.227374 | 233.934 | 15.22 |
| 19/ 12/ 92 | 9: 50  | 1023 | 29.260046 | 55.44594193 | 0.227374 | 263.599 | 7.24  |
| 19/ 12/ 92 | 10: 10 | 1023 | 29.260046 | 62.88381195 | 0.219667 | 51.756  | 5.14  |
| 19/ 12/ 92 | 10: 30 | 1023 | 29.312531 | 55.52107239 | 0.219667 | 50.709  | 13.96 |
| 19/ 12/ 92 | 10: 50 | 1023 | 29.260046 | 62.28277206 | 0.21196  | 43.38   | 29.08 |
| 19/ 12/ 92 | 11: 10 | 1023 | 29.312531 | 55.52107239 | 0.21196  | 39.89   | 30.9  |
| 19/ 12/ 92 | 11: 30 | 1023 | 29.286283 | 60.02886963 | 0.21196  | 42.682  | 34.26 |

|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 19/ 12/ 92 | 11: 50 | 1023 | 29.207592 | 55.22055054 | 0.204253 | 47.568  | 36.64 |  |
| 19/ 12/ 92 | 12: 10 | 1023 | 29.338783 | 63.86050034 | 0.204253 | 45.474  | 34.12 |  |
| 19/ 12/ 92 | 12: 30 | 1023 | 29.286283 | 55.44594193 | 0.204253 | 47.219  | 36.5  |  |
| 19/ 12/ 92 | 12: 50 | 1023 | 29.365044 | 62.2076416  | 0.196546 | 46.172  | 37.76 |  |
| 19/ 12/ 92 | 13: 10 | 1023 | 29.443867 | 55.52107239 | 0.204253 | 57.689  | 40    |  |
| 19/ 12/ 92 | 13: 30 | 1023 | 29.443867 | 62.50815964 | 0.196546 | 48.964  | 33.7  |  |
| 19/ 12/ 92 | 13: 50 | 1023 | 29.470156 | 55.52107239 | 0.196546 | 41.984  | 26    |  |
| 19/ 12/ 92 | 14: 10 | 1023 | 29.470156 | 61.53147125 | 0.196546 | 60.132  | 23.9  |  |
| 19/ 12/ 92 | 14: 30 | 1023 | 29.470156 | 55.14542007 | 0.196546 | 74.79   | 15.22 |  |
| 19/ 12/ 92 | 14: 50 | 1023 | 29.443867 | 61.2309494  | 0.196546 | 71.998  | 11.02 |  |
| 19/ 12/ 92 | 15: 10 | 1023 | 29.470156 | 55.22055054 | 0.196546 | 51.756  | 6.4   |  |
| 19/ 12/ 92 | 15: 30 | 1023 | 29.443867 | 60.70503998 | 0.196546 | 45.474  | 5.14  |  |
| 19/ 12/ 92 | 15: 50 | 1023 | 29.417585 | 55.295681   | 0.196546 | 187.866 | 4.44  |  |
| 19/ 12/ 92 | 16: 10 | 1023 | 29.443867 | 61.90711975 | 0.196546 | 246.847 | 3.88  |  |
| 19/ 12/ 92 | 16: 30 | 1023 | 29.470156 | 55.59619904 | 0.196546 | 246.847 | 3.6   |  |
| 19/ 12/ 92 | 16: 50 | 1023 | 29.496452 | 63.03406906 | 0.196546 | 232.189 | 4.02  |  |
| 19/ 12/ 92 | 17: 10 | 1023 | 29.312531 | 55.14542007 | 0.196546 | 224.86  | 20.26 |  |
| 19/ 12/ 92 | 17: 30 | 1023 | 29.260046 | 61.90711975 | 0.196546 | 229.746 | 26    |  |
| 19/ 12/ 92 | 17: 50 | 1023 | 29.417585 | 55.59619904 | 0.196546 | 220.672 | 25.58 |  |
| 19/ 12/ 92 | 18: 10 | 1023 | 29.260046 | 61.00556183 | 0.196546 | 228.001 | 12.14 |  |
| 19/ 12/ 92 | 18: 30 | 1023 | 29.260046 | 55.52107239 | 0.204253 | 67.112  | 3.6   |  |
| 19/ 12/ 92 | 18: 50 | 1023 | 29.233816 | 56.6480217  | 0.204253 | 55.595  | 12.98 |  |
| 19/ 12/ 92 | 19: 10 | 1023 | 29.181376 | 55.52107239 | 0.21196  | 50.709  | 30.06 |  |
| 19/ 12/ 92 | 19: 30 | 1023 | 29.233816 | 59.8786087  | 0.21196  | 47.219  | 45.18 |  |
| 19/ 12/ 92 | 19: 50 | 1023 | 29.207592 | 55.52107239 | 0.219667 | 50.011  | 54.28 |  |
| 19/ 12/ 92 | 20: 10 | 1023 | 29.207592 | 60.40452194 | 0.227374 | 48.964  | 58.76 |  |
| 19/ 12/ 92 | 20: 30 | 1023 | 29.207592 | 55.52107239 | 0.227374 | 44.776  | 56.38 |  |
| 19/ 12/ 92 | 20: 50 | 1023 | 29.233816 | 62.73355103 | 0.227374 | 46.87   | 48.4  |  |
| 19/ 12/ 92 | 21: 10 | 1023 | 29.338783 | 55.44594193 | 0.235081 | 48.964  | 42.94 |  |
| 19/ 12/ 92 | 21: 30 | 1023 | 29.338783 | 59.50296021 | 0.235081 | 43.729  | 37.76 |  |
| 19/ 12/ 92 | 21: 50 | 1023 | 29.338783 | 55.44594193 | 0.235081 | 49.662  | 25.86 |  |
| 19/ 12/ 92 | 22: 10 | 1023 | 29.338783 | 62.50815964 | 0.235081 | 48.964  | 22.5  |  |
| 19/ 12/ 92 | 22: 30 | 1023 | 29.470156 | 55.59619904 | 0.235081 | 53.501  | 18.02 |  |
| 19/ 12/ 92 | 22: 50 | 1023 | 29.443867 | 62.43302917 | 0.235081 | 51.756  | 21.38 |  |
| 19/ 12/ 92 | 23: 10 | 1023 | 29.417585 | 55.52107239 | 0.235081 | 38.145  | 16.2  |  |
| 19/ 12/ 92 | 23: 30 | 1023 | 29.312531 | 60.78017044 | 0.235081 | 45.823  | 9.62  |  |
| 19/ 12/ 92 | 23: 50 | 1023 | 29.312531 | 55.52107239 | 0.235081 | 29.071  | 6.12  |  |
| 20/ 12/ 92 | 0: 10  | 1023 | 29.260046 | 61.68173218 | 0.235081 | 32.561  | 5.7   |  |
| 20/ 12/ 92 | 0: 30  | 1023 | 29.39131  | 55.6713295  | 0.235081 | 44.427  | 5.56  |  |
| 20/ 12/ 92 | 0: 50  | 1023 | 29.575388 | 57.69984055 | 0.235081 | 41.286  | 6.4   |  |
| 20/ 12/ 92 | 1: 10  | 1023 | 29.680738 | 55.52107239 | 0.227374 | 230.444 | 17.74 |  |
| 20/ 12/ 92 | 1: 30  | 1023 | 29.155167 | 62.50815964 | 0.250495 | 217.88  | 57.92 |  |
| 20/ 12/ 92 | 1: 50  | 1023 | 28.998062 | 55.295681   | 0.235081 | 250.686 | 29.92 |  |
| 20/ 12/ 92 | 2: 10  | 1023 | 28.998062 | 59.20244217 | 0.235081 | 52.105  | 22.78 |  |
| 20/ 12/ 92 | 2: 30  | 1023 | 28.971903 | 55.14542007 | 0.242788 | 43.729  | 57.92 |  |
| 20/ 12/ 92 | 2: 50  | 1023 | 28.867338 | 60.10400009 | 0.227374 | 63.622  | 52.6  |  |
| 20/ 12/ 92 | 3: 10  | 1023 | 28.919605 | 55.22055054 | 0.219667 | 35.004  | 25.02 |  |
| 20/ 12/ 92 | 3: 30  | 1023 | 28.971903 | 63.03406906 | 0.219667 | 45.474  | 30.48 |  |
| 20/ 12/ 92 | 3: 50  | 1023 | 29.10277  | 55.295681   | 0.21196  | 51.058  | 32.58 |  |
| 20/ 12/ 92 | 4: 10  | 1023 | 29.024227 | 60.02886963 | 0.21196  | 49.313  | 27.26 |  |
| 20/ 12/ 92 | 4: 30  | 1023 | 29.050402 | 55.295681   | 0.204253 | 38.145  | 27.26 |  |
| 20/ 12/ 92 | 4: 50  | 1023 | 29.10277  | 57.69984055 | 0.204253 | 46.172  | 30.9  |  |
| 20/ 12/ 92 | 5: 10  | 1023 | 29.128963 | 55.295681   | 0.196546 | 48.266  | 34.82 |  |
| 20/ 12/ 92 | 5: 30  | 1023 | 29.128963 | 60.62990952 | 0.196546 | 49.313  | 28.52 |  |
| 20/ 12/ 92 | 5: 50  | 1023 | 29.155167 | 55.44594193 | 0.196546 | 48.266  | 23.48 |  |
| 20/ 12/ 92 | 6: 10  | 1023 | 29.155167 | 61.30607986 | 0.204253 | 55.944  | 20.68 |  |



|            |        |      |           |             |          |         |       |
|------------|--------|------|-----------|-------------|----------|---------|-------|
| 20/ 12/ 92 | 6: 30  | 1023 | 29.181376 | 55.295681   | 0.204253 | 39.89   | 22.08 |
| 20/ 12/ 92 | 6: 50  | 1023 | 29.312531 | 60.17913055 | 0.204253 | 51.058  | 35.24 |
| 20/ 12/ 92 | 7: 10  | 1023 | 29.312531 | 55.37081146 | 0.204253 | 49.662  | 25.3  |
| 20/ 12/ 92 | 7: 30  | 1023 | 29.312531 | 60.4796524  | 0.204253 | 42.682  | 23.9  |
| 20/ 12/ 92 | 7: 50  | 1023 | 29.417585 | 55.44594193 | 0.204253 | 43.031  | 34.68 |
| 20/ 12/ 92 | 8: 10  | 1023 | 29.39131  | 61.68173218 | 0.196546 | 57.34   | 26.42 |
| 20/ 12/ 92 | 8: 30  | 1023 | 29.470156 | 55.44594193 | 0.196546 | 55.246  | 22.64 |
| 20/ 12/ 92 | 8: 50  | 1023 | 29.496452 | 63.33459091 | 0.196546 | 48.615  | 19.14 |
| 20/ 12/ 92 | 9: 10  | 1023 | 29.443867 | 55.52107239 | 0.196546 | 30.816  | 14.66 |
| 20/ 12/ 92 | 9: 30  | 1023 | 29.39131  | 62.13251114 | 0.196546 | 57.689  | 11.44 |
| 20/ 12/ 92 | 9: 50  | 1023 | 29.365044 | 55.44594193 | 0.196546 | 231.84  | 4.16  |
| 20/ 12/ 92 | 10: 10 | 1023 | 29.312531 | 56.19723892 | 0.204253 | 239.169 | 6.68  |
| 20/ 12/ 92 | 10: 30 | 1023 | 29.286283 | 55.44594193 | 0.204253 | 241.612 | 9.9   |
| 20/ 12/ 92 | 10: 50 | 1023 | 29.260046 | 60.10400009 | 0.21196  | 58.038  | 4.3   |
| 20/ 12/ 92 | 11: 10 | 1023 | 29.10277  | 55.37081146 | 0.21196  | 41.286  | 11.58 |
| 20/ 12/ 92 | 11: 30 | 1023 | 28.867338 | 62.43302917 | 0.21196  | 35.004  | 21.1  |
| 20/ 12/ 92 | 11: 50 | 1023 | 29.050402 | 55.295681   | 0.21196  | 50.36   | 30.2  |
| 20/ 12/ 92 | 12: 10 | 1023 | 29.050402 | 60.40452194 | 0.21196  | 48.266  | 40.28 |
| 20/ 12/ 92 | 12: 30 | 1023 | 29.050402 | 55.37081146 | 0.235081 | 46.172  | 52.74 |
| 20/ 12/ 92 | 12: 50 | 1023 | 29.076582 | 60.62990952 | 0.250495 | 42.333  | 64.5  |
| 20/ 12/ 92 | 13: 10 | 1023 | 29.050402 | 55.37081146 | 0.258202 | 45.823  | 77.24 |
| 20/ 12/ 92 | 13: 30 | 1023 | 29.076582 | 56.42263031 | 0.235081 | 46.87   | 67.16 |
| 20/ 12/ 92 | 13: 50 | 1023 | 29.181376 | 55.44594193 | 0.227374 | 56.293  | 52.04 |
| 20/ 12/ 92 | 14: 10 | 1023 | 29.207592 | 62.88381195 | 0.227374 | 71.998  | 33.42 |
| 20/ 12/ 92 | 14: 30 | 1023 | 29.181376 | 55.295681   | 0.219667 | 80.723  | 10.18 |
| 20/ 12/ 92 | 14: 50 | 1023 | 29.260046 | 62.05738068 | 0.219667 | 45.125  | 7.8   |
| 20/ 12/ 92 | 15: 10 | 1023 | 29.338783 | 55.59619904 | 0.219667 | 36.749  | 11.44 |
| 20/ 12/ 92 | 15: 30 | 1023 | 29.470156 | 62.43302917 | 0.219667 | 44.776  | 16.2  |
| 20/ 12/ 92 | 15: 50 | 1023 | 29.707094 | 55.89672089 | 0.219667 | 52.454  | 22.64 |
| 20/ 12/ 92 | 16: 10 | 1023 | 29.522757 | 57.69984055 | 0.219667 | 48.615  | 15.5  |
| 20/ 12/ 92 | 16: 30 | 1023 | 29.707094 | 55.89672089 | 0.219667 | 69.904  | 7.8   |
| 20/ 12/ 92 | 16: 50 | 1023 | 29.628048 | 61.30607986 | 0.227374 | 64.669  | 6.12  |
| 20/ 12/ 92 | 17: 10 | 1023 | 29.549068 | 55.74645996 | 0.219667 | 284.888 | 4.72  |
| 20/ 12/ 92 | 17: 30 | 1023 | 29.39131  | 55.89672089 | 0.219667 | 236.377 | 13.54 |
| 20/ 12/ 92 | 17: 50 | 1023 | 29.286283 | 55.52107239 | 0.219667 | 221.37  | 27.4  |
| 20/ 12/ 92 | 18: 10 | 1023 | 29.260046 | 57.09880066 | 0.219667 | 225.907 | 39.16 |
| 20/ 12/ 92 | 18: 30 | 1023 | 29.024227 | 55.295681   | 0.219667 | 220.323 | 39.58 |
| 20/ 12/ 92 | 18: 50 | 1023 | 28.893469 | 60.55477905 | 0.21196  | 52.803  | 5.84  |
| 20/ 12/ 92 | 19: 10 | 1023 | 28.893469 | 55.22055054 | 0.21196  | 51.756  | 17.46 |
| 20/ 12/ 92 | 19: 30 | 1023 | 28.867338 | 60.62990952 | 0.204253 | 47.219  | 33.42 |
| 20/ 12/ 92 | 19: 50 | 1023 | 28.867338 | 55.22055054 | 0.204253 | 51.756  | 40.28 |
| 20/ 12/ 92 | 20: 10 | 1023 | 28.998062 | 60.78017044 | 0.204253 | 51.756  | 40.84 |
| 20/ 12/ 92 | 20: 30 | 1023 | 29.050402 | 55.22055054 | 0.196546 | 38.145  | 39.72 |
| 20/ 12/ 92 | 20: 50 | 1023 | 28.998062 | 62.05738068 | 0.188839 | 41.286  | 47.56 |
| 20/ 12/ 92 | 21: 10 | 1023 | 29.10277  | 55.37081146 | 0.188839 | 40.588  | 56.38 |
| 20/ 12/ 92 | 21: 30 | 1023 | 29.233816 | 60.62990952 | 0.188839 | 48.266  | 59.46 |
| 20/ 12/ 92 | 21: 50 | 1023 | 29.233816 | 55.44594193 | 0.188839 | 39.541  | 55.54 |
| 20/ 12/ 92 | 22: 10 | 1023 | 29.181376 | 61.90711975 | 0.188839 | 45.125  | 46.86 |
| 20/ 12/ 92 | 22: 30 | 1023 | 29.233816 | 55.44594193 | 0.188839 | 45.125  | 53.44 |
| 20/ 12/ 92 | 22: 50 | 1023 | 29.260046 | 60.55477905 | 0.181132 | 47.219  | 46.16 |
| 20/ 12/ 92 | 23: 10 | 1023 | 29.207592 | 55.37081146 | 0.181132 | 52.454  | 42.1  |
| 20/ 12/ 92 | 23: 30 | 1023 | 29.207592 | 60.70503998 | 0.181132 | 41.984  | 33.14 |
| 20/ 12/ 92 | 23: 50 | 1023 | 29.050402 | 55.37081146 | 0.181132 | 45.823  | 15.64 |
| 21/ 12/ 92 | 0: 10  | 1023 | 28.998062 | 62.50815964 | 0.181132 | 54.897  | 6.54  |
| 21/ 12/ 92 | 0: 30  | 1023 | 29.181376 | 55.37081146 | 0.181132 | 82.468  | 12.28 |
| 21/ 12/ 92 | 0: 50  | 1023 | 29.39131  | 60.62990952 | 0.181132 | 110.388 | 10.04 |

|            |        |      |           |             |          |         |       |
|------------|--------|------|-----------|-------------|----------|---------|-------|
| 21/ 12/ 92 | 1: 10  | 1023 | 29.365044 | 55.6713295  | 0.181132 | 188.564 | 6.26  |
| 21/ 12/ 92 | 1: 30  | 1023 | 29.365044 | 61.08069229 | 0.181132 | 238.471 | 3.6   |
| 21/ 12/ 92 | 1: 50  | 1023 | 29.312531 | 55.52107239 | 0.181132 | 264.297 | 4.44  |
| 21/ 12/ 92 | 2: 10  | 1023 | 29.312531 | 56.19723892 | 0.188839 | 225.209 | 11.02 |
| 21/ 12/ 92 | 2: 30  | 1023 | 29.076582 | 55.22055054 | 0.196546 | 228.001 | 31.46 |
| 21/ 12/ 92 | 2: 50  | 1023 | 29.076582 | 60.70503998 | 0.196546 | 224.162 | 28.8  |
| 21/ 12/ 92 | 3: 10  | 1023 | 29.050402 | 55.295681   | 0.196546 | 230.095 | 14.1  |
| 21/ 12/ 92 | 3: 30  | 1023 | 28.893469 | 60.40452194 | 0.204253 | 112.133 | 5.84  |
| 21/ 12/ 92 | 3: 50  | 1023 | 28.841213 | 54.99515915 | 0.204253 | 68.508  | 5.56  |
| 21/ 12/ 92 | 4: 10  | 1023 | 28.788988 | 59.42782974 | 0.204253 | 43.729  | 12.28 |
| 21/ 12/ 92 | 4: 30  | 1023 | 28.841213 | 55.07028961 | 0.204253 | 42.333  | 31.46 |
| 21/ 12/ 92 | 4: 50  | 1023 | 28.841213 | 61.30607986 | 0.21196  | 42.682  | 47.28 |
| 21/ 12/ 92 | 5: 10  | 1023 | 28.73679  | 54.99515915 | 0.21196  | 39.89   | 53.44 |
| 21/ 12/ 92 | 5: 30  | 1023 | 28.841213 | 60.40452194 | 0.219667 | 40.588  | 58.48 |
| 21/ 12/ 92 | 5: 50  | 1023 | 29.024227 | 55.22055054 | 0.235081 | 51.407  | 67.3  |
| 21/ 12/ 92 | 6: 10  | 1023 | 28.893469 | 55.6713295  | 0.227374 | 42.333  | 63.1  |
| 21/ 12/ 92 | 6: 30  | 1023 | 28.815098 | 55.14542007 | 0.219667 | 44.776  | 24.88 |
| 21/ 12/ 92 | 6: 50  | 1023 | 29.050402 | 55.74645996 | 0.219667 | 44.427  | 15.92 |
| 21/ 12/ 92 | 7: 10  | 1023 | 29.10277  | 55.37081146 | 0.219667 | 34.306  | 31.18 |
| 21/ 12/ 92 | 7: 30  | 1023 | 29.338783 | 61.2309494  | 0.219667 | 51.058  | 19.56 |
| 21/ 12/ 92 | 7: 50  | 1023 | 29.207592 | 55.44594193 | 0.219667 | 51.058  | 36.64 |
| 21/ 12/ 92 | 8: 10  | 1023 | 29.233816 | 61.38121033 | 0.219667 | 55.246  | 24.6  |
| 21/ 12/ 92 | 8: 30  | 1023 | 29.260046 | 55.52107239 | 0.219667 | 56.991  | 10.32 |
| 21/ 12/ 92 | 8: 50  | 1023 | 29.260046 | 58.37601089 | 0.219667 | 58.038  | 5.28  |
| 21/ 12/ 92 | 9: 10  | 1023 | 29.233816 | 55.52107239 | 0.219667 | 16.158  | 4.02  |
| 21/ 12/ 92 | 9: 30  | 1023 | 29.286283 | 59.42782974 | 0.219667 | 241.961 | 6.68  |
| 21/ 12/ 92 | 9: 50  | 1023 | 29.286283 | 55.37081146 | 0.219667 | 230.095 | 8.22  |
| 21/ 12/ 92 | 10: 10 | 1023 | 29.312531 | 60.25426102 | 0.219667 | 238.82  | 28.24 |
| 21/ 12/ 92 | 10: 30 | 1023 | 29.10277  | 55.295681   | 0.219667 | 232.189 | 44.9  |
| 21/ 12/ 92 | 10: 50 | 1023 | 28.998062 | 60.62990952 | 0.219667 | 219.276 | 40.56 |
| 21/ 12/ 92 | 11: 10 | 1023 | 28.998062 | 55.14542007 | 0.204253 | 218.927 | 15.22 |
| 21/ 12/ 92 | 11: 30 | 1023 | 29.050402 | 55.52107239 | 0.204253 | 65.367  | 7.8   |
| 21/ 12/ 92 | 11: 50 | 1023 | 29.128963 | 55.14542007 | 0.204253 | 41.984  | 24.18 |
| 21/ 12/ 92 | 12: 10 | 1023 | 28.971903 | 56.94853973 | 0.196546 | 40.937  | 31.18 |
| 21/ 12/ 92 | 12: 30 | 1023 | 28.919605 | 55.14542007 | 0.188839 | 47.219  | 28.94 |
| 21/ 12/ 92 | 12: 50 | 1023 | 28.945751 | 57.62471008 | 0.188839 | 44.078  | 28.66 |
| 21/ 12/ 92 | 13: 10 | 1023 | 28.867338 | 55.14542007 | 0.181132 | 38.145  | 29.36 |
| 21/ 12/ 92 | 13: 30 | 1023 | 28.788988 | 61.30607986 | 0.181132 | 46.172  | 36.5  |
| 21/ 12/ 92 | 13: 50 | 1023 | 28.867338 | 55.07028961 | 0.188839 | 38.843  | 47.42 |
| 21/ 12/ 92 | 14: 10 | 1023 | 29.076582 | 60.02886963 | 0.196546 | 43.38   | 56.38 |
| 21/ 12/ 92 | 14: 30 | 1023 | 29.128963 | 55.07028961 | 0.21196  | 53.501  | 68.42 |
| 21/ 12/ 92 | 14: 50 | 1023 | 29.181376 | 60.40452194 | 0.196546 | 44.427  | 76.12 |
| 21/ 12/ 92 | 15: 10 | 1023 | 29.076582 | 55.295681   | 0.173425 | 48.266  | 49.66 |
| 21/ 12/ 92 | 15: 30 | 1023 | 28.998062 | 59.80348206 | 0.173425 | 55.246  | 14.94 |
| 21/ 12/ 92 | 15: 50 | 1023 | 28.998062 | 55.22055054 | 0.173425 | 44.776  | 5.7   |
| 21/ 12/ 92 | 16: 10 | 1023 | 29.050402 | 60.8553009  | 0.173425 | 80.025  | 7.52  |
| 21/ 12/ 92 | 16: 30 | 1023 | 29.233816 | 55.37081146 | 0.173425 | 65.716  | 19    |
| 21/ 12/ 92 | 16: 50 | 1023 | 29.181376 | 61.2309494  | 0.173425 | 102.71  | 11.72 |
| 21/ 12/ 92 | 17: 10 | 1023 | 29.155167 | 55.295681   | 0.173425 | 75.837  | 5.84  |
| 21/ 12/ 92 | 17: 30 | 1023 | 29.155167 | 57.69984055 | 0.173425 | 37.098  | 4.02  |
| 21/ 12/ 92 | 17: 50 | 1023 | 29.155167 | 55.295681   | 0.181132 | 255.572 | 5.56  |
| 21/ 12/ 92 | 18: 10 | 1023 | 29.050402 | 60.10400009 | 0.181132 | 261.156 | 7.24  |
| 21/ 12/ 92 | 18: 30 | 1023 | 28.998062 | 55.22055054 | 0.188839 | 248.941 | 15.5  |
| 21/ 12/ 92 | 18: 50 | 1023 | 29.024227 | 55.52107239 | 0.196546 | 215.437 | 28.24 |
| 21/ 12/ 92 | 19: 10 | 1023 | 28.762886 | 54.99515915 | 0.188839 | 251.035 | 12    |
| 21/ 12/ 92 | 19: 30 | 1023 | 28.528278 | 57.69984055 | 0.196546 | 50.011  | 7.66  |

|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 21/ 12/ 92 | 19: 50 | 1023 | 28.372183 | 54.61951065 | 0.196546 | 52.803  | 10.88 |  |
| 21/ 12/ 92 | 20: 10 | 1023 | 28.320206 | 61.2309494  | 0.196546 | 48.964  | 27.82 |  |
| 21/ 12/ 92 | 20: 30 | 1023 | 28.398182 | 54.69464111 | 0.21196  | 42.682  | 47.28 |  |
| 21/ 12/ 92 | 20: 50 | 1023 | 28.372183 | 57.69984055 | 0.227374 | 37.796  | 55.68 |  |
| 21/ 12/ 92 | 21: 10 | 1023 | 28.398182 | 54.69464111 | 0.235081 | 39.192  | 65.62 |  |
| 21/ 12/ 92 | 21: 30 | 1023 | 28.68462  | 58.90192032 | 0.265909 | 47.917  | 79.48 |  |
| 21/ 12/ 92 | 21: 50 | 1023 | 28.710701 | 54.92002869 | 0.250495 | 49.662  | 92.64 |  |
| 21/ 12/ 92 | 22: 10 | 1023 | 28.73679  | 61.30607986 | 0.235081 | 43.031  | 72.62 |  |
| 21/ 12/ 92 | 22: 30 | 1023 | 28.632479 | 54.92002869 | 0.219667 | 39.89   | 52.32 |  |
| 21/ 12/ 92 | 22: 50 | 1023 | 28.320206 | 55.6713295  | 0.219667 | 41.635  | 19.7  |  |
| 21/ 12/ 92 | 23: 10 | 1023 | 28.346191 | 54.61951065 | 0.219667 | 47.568  | 12.28 |  |
| 21/ 12/ 92 | 23: 30 | 1023 | 28.998062 | 61.15581894 | 0.227374 | 39.89   | 24.18 |  |
| 21/ 12/ 92 | 23: 50 | 1023 | 29.181376 | 55.22055054 | 0.219667 | 41.984  | 28.94 |  |
| 22/ 12/ 92 | 0: 10  | 1023 | 29.733458 | 62.43302917 | 0.219667 | 55.246  | 20.54 |  |
| 22/ 12/ 92 | 0: 30  | 1023 | 29.944639 | 56.19723892 | 0.219667 | 34.306  | 13.68 |  |
| 22/ 12/ 92 | 0: 50  | 1023 | 30.1828   | 56.6480217  | 0.219667 | 95.73   | 5.28  |  |
| 22/ 12/ 92 | 1: 10  | 1023 | 30.1828   | 56.42263031 | 0.21196  | 152.617 | 5.98  |  |
| 22/ 12/ 92 | 1: 30  | 1023 | 29.865389 | 56.34749985 | 0.21196  | 195.544 | 4.86  |  |
| 22/ 12/ 92 | 1: 50  | 1023 | 29.496452 | 55.6713295  | 0.219667 | 213.692 | 6.4   |  |
| 22/ 12/ 92 | 2: 10  | 1023 | 29.260046 | 62.28277206 | 0.219667 | 232.887 | 5.7   |  |
| 22/ 12/ 92 | 2: 30  | 1023 | 29.024227 | 55.22055054 | 0.219667 | 232.189 | 14.66 |  |
| 22/ 12/ 92 | 2: 50  | 1023 | 29.050402 | 57.69984055 | 0.227374 | 225.558 | 44.48 |  |
| 22/ 12/ 92 | 3: 10  | 1023 | 28.815098 | 54.69464111 | 0.21196  | 218.578 | 52.04 |  |
| 22/ 12/ 92 | 3: 30  | 1023 | 28.841213 | 55.59619904 | 0.21196  | 192.752 | 16.9  |  |
| 22/ 12/ 92 | 3: 50  | 1023 | 28.841213 | 54.69464111 | 0.204253 | 62.226  | 6.12  |  |
| 22/ 12/ 92 | 4: 10  | 1023 | 28.919605 | 54.99515915 | 0.196546 | 52.803  | 21.38 |  |
| 22/ 12/ 92 | 4: 30  | 1023 | 28.658546 | 54.69464111 | 0.196546 | 39.89   | 30.62 |  |
| 22/ 12/ 92 | 4: 50  | 1023 | 28.528278 | 54.76977158 | 0.196546 | 42.682  | 40    |  |
| 22/ 12/ 92 | 5: 10  | 1023 | 28.450199 | 54.61951065 | 0.188839 | 44.776  | 44.06 |  |
| 22/ 12/ 92 | 5: 30  | 1023 | 28.68462  | 55.74645996 | 0.181132 | 53.501  | 48.68 |  |
| 22/ 12/ 92 | 5: 50  | 1023 | 28.528278 | 54.69464111 | 0.181132 | 38.843  | 48.4  |  |
| 22/ 12/ 92 | 6: 10  | 1023 | 28.762886 | 57.69984055 | 0.181132 | 39.541  | 56.38 |  |
| 22/ 12/ 92 | 6: 30  | 1023 | 28.919605 | 54.92002869 | 0.181132 | 31.514  | 66.04 |  |
| 22/ 12/ 92 | 6: 50  | 1023 | 28.710701 | 55.52107239 | 0.173425 | 40.588  | 32.16 |  |
| 22/ 12/ 92 | 7: 10  | 1023 | 28.841213 | 54.92002869 | 0.181132 | 41.984  | 36.92 |  |
| 22/ 12/ 92 | 7: 30  | 1023 | 28.73679  | 55.74645996 | 0.181132 | 44.427  | 54.7  |  |
| 22/ 12/ 92 | 7: 50  | 1023 | 28.998062 | 55.07028961 | 0.173425 | 73.743  | 18.44 |  |
| 22/ 12/ 92 | 8: 10  | 1023 | 29.076582 | 55.59619904 | 0.173425 | 56.293  | 13.26 |  |
| 22/ 12/ 92 | 8: 30  | 1023 | 29.10277  | 55.14542007 | 0.173425 | 61.877  | 10.18 |  |
| 22/ 12/ 92 | 8: 50  | 1023 | 29.181376 | 55.52107239 | 0.173425 | 227.652 | 5.56  |  |
| 22/ 12/ 92 | 9: 10  | 1023 | 29.207592 | 55.22055054 | 0.173425 | 213.343 | 5.56  |  |
| 22/ 12/ 92 | 9: 30  | 1023 | 29.260046 | 55.44594193 | 0.173425 | 171.114 | 5     |  |
| 22/ 12/ 92 | 9: 50  | 1023 | 29.233816 | 55.22055054 | 0.173425 | 240.565 | 3.88  |  |
| 22/ 12/ 92 | 10: 10 | 1023 | 29.155167 | 55.295681   | 0.181132 | 249.988 | 6.68  |  |
| 22/ 12/ 92 | 10: 30 | 1023 | 29.10277  | 55.14542007 | 0.181132 | 235.679 | 13.12 |  |
| 22/ 12/ 92 | 10: 50 | 1023 | 28.945751 | 54.99515915 | 0.188839 | 231.142 | 21.24 |  |
| 22/ 12/ 92 | 11: 10 | 1023 | 29.050402 | 55.07028961 | 0.196546 | 232.189 | 25.16 |  |
| 22/ 12/ 92 | 11: 30 | 1023 | 28.998062 | 56.79827881 | 0.196546 | 229.746 | 12.14 |  |
| 22/ 12/ 92 | 11: 50 | 1023 | 28.841213 | 54.92002869 | 0.196546 | 38.843  | 6.68  |  |
| 22/ 12/ 92 | 12: 10 | 1023 | 28.710701 | 55.37081146 | 0.196546 | 39.541  | 15.5  |  |
| 22/ 12/ 92 | 12: 30 | 1023 | 28.658546 | 54.54438019 | 0.196546 | 48.266  | 29.64 |  |
| 22/ 12/ 92 | 12: 50 | 1023 | 28.658546 | 59.12731171 | 0.204253 | 50.011  | 33.42 |  |
| 22/ 12/ 92 | 13: 10 | 1023 | 28.658546 | 54.61951065 | 0.204253 | 41.635  | 43.78 |  |
| 22/ 12/ 92 | 13: 30 | 1023 | 28.528278 | 61.15581894 | 0.219667 | 47.917  | 56.1  |  |
| 22/ 12/ 92 | 13: 50 | 1023 | 28.632479 | 54.61951065 | 0.227374 | 47.219  | 58.76 |  |
| 22/ 12/ 92 | 14: 10 | 1023 | 28.658546 | 59.80348206 | 0.235081 | 44.427  | 72.48 |  |



|            |        |      |           |             |          |          |       |  |
|------------|--------|------|-----------|-------------|----------|----------|-------|--|
| 22/ 12/ 92 | 14: 30 | 1023 | 28.658546 | 54.69464111 | 0.21196  | 42.682   | 53.72 |  |
| 22/ 12/ 92 | 14: 50 | 1023 | 28.554317 | 60.32939148 | 0.219667 | 43.031   | 37.34 |  |
| 22/ 12/ 92 | 15: 10 | 1023 | 28.554317 | 54.61951065 | 0.235081 | 45.125   | 54.28 |  |
| 22/ 12/ 92 | 15: 30 | 1023 | 29.076582 | 61.30607986 | 0.227374 | 58.736   | 55.12 |  |
| 22/ 12/ 92 | 15: 50 | 1023 | 29.050402 | 54.92002869 | 0.227374 | 45.823   | 30.48 |  |
| 22/ 12/ 92 | 16: 10 | 1023 | 29.050402 | 60.40452194 | 0.219667 | 43.031   | 12.42 |  |
| 22/ 12/ 92 | 16: 30 | 1023 | 29.076582 | 54.92002869 | 0.219667 | 40.239   | 13.96 |  |
| 22/ 12/ 92 | 16: 50 | 1023 | 29.181376 | 62.50815964 | 0.219667 | 50.011   | 9.34  |  |
| 22/ 12/ 92 | 17: 10 | 1023 | 29.128963 | 54.99515915 | 0.219667 | 95.03201 | 4.72  |  |
| 22/ 12/ 92 | 17: 30 | 1023 | 29.365044 | 62.50815964 | 0.219667 | 210.202  | 6.26  |  |
| 22/ 12/ 92 | 17: 50 | 1023 | 29.338783 | 55.14542007 | 0.219667 | 230.444  | 3.74  |  |
| 22/ 12/ 92 | 18: 10 | 1023 | 29.260046 | 60.02886963 | 0.219667 | 246.149  | 4.44  |  |
| 22/ 12/ 92 | 18: 30 | 1023 | 29.233816 | 55.07028961 | 0.219667 | 252.431  | 8.92  |  |
| 22/ 12/ 92 | 18: 50 | 1023 | 29.312531 | 60.93043137 | 0.219667 | 226.256  | 19.56 |  |
| 22/ 12/ 92 | 19: 10 | 1023 | 29.155167 | 54.84490204 | 0.219667 | 221.021  | 47.56 |  |
| 22/ 12/ 92 | 19: 30 | 1023 | 29.155167 | 61.83198929 | 0.21196  | 226.256  | 23.76 |  |
| 22/ 12/ 92 | 19: 50 | 1023 | 29.050402 | 54.61951065 | 0.21196  | 308.271  | 9.62  |  |
| 22/ 12/ 92 | 20: 10 | 1023 | 29.050402 | 58.90192032 | 0.204253 | 56.642   | 5.56  |  |
| 22/ 12/ 92 | 20: 30 | 1023 | 28.998062 | 54.46924973 | 0.196546 | 40.239   | 6.26  |  |
| 22/ 12/ 92 | 20: 50 | 1023 | 29.024227 | 60.62990952 | 0.196546 | 34.306   | 6.54  |  |
| 22/ 12/ 92 | 21: 10 | 1023 | 28.919605 | 54.54438019 | 0.188839 | 38.145   | 16.2  |  |
| 22/ 12/ 92 | 21: 30 | 1023 | 29.076582 | 59.57809067 | 0.188839 | 45.125   | 23.9  |  |
| 22/ 12/ 92 | 21: 50 | 1023 | 28.320206 | 54.16873169 | 0.181132 | 39.541   | 34.96 |  |
| 22/ 12/ 92 | 22: 10 | 1023 | 29.050402 | 60.02886963 | 0.188839 | 53.501   | 49.94 |  |
| 22/ 12/ 92 | 22: 30 | 1023 | 29.076582 | 54.46924973 | 0.181132 | 46.172   | 56.52 |  |
| 22/ 12/ 92 | 22: 50 | 1023 | 28.867338 | 57.69984055 | 0.173425 | 41.635   | 20.54 |  |
| 22/ 12/ 92 | 23: 10 | 1023 | 29.10277  | 54.61951065 | 0.21196  | 51.058   | 45.88 |  |
| 22/ 12/ 92 | 23: 30 | 1023 | 29.10277  | 56.34749985 | 0.181132 | 40.937   | 69.4  |  |
| 22/ 12/ 92 | 23: 50 | 1023 | 29.076582 | 54.61951065 | 0.173425 | 32.212   | 26.7  |  |
| 23/ 12/ 92 | 0: 10  | 1023 | 29.050402 | 55.44594193 | 0.173425 | 86.307   | 8.08  |  |
| 23/ 12/ 92 | 0: 30  | 1023 | 29.128963 | 54.61951065 | 0.165718 | 75.488   | 9.34  |  |
| 23/ 12/ 92 | 0: 50  | 1023 | 29.076582 | 55.74645996 | 0.165718 | 234.283  | 9.9   |  |
| 23/ 12/ 92 | 1: 10  | 1023 | 29.10277  | 54.69464111 | 0.165718 | 213.343  | 8.92  |  |
| 23/ 12/ 92 | 1: 30  | 1023 | 29.076582 | 55.97185135 | 0.173425 | 145.288  | 8.78  |  |
| 23/ 12/ 92 | 1: 50  | 1023 | 29.076582 | 54.61951065 | 0.173425 | 224.511  | 7.24  |  |
| 23/ 12/ 92 | 2: 10  | 1023 | 29.076582 | 59.42782974 | 0.173425 | 233.585  | 6.4   |  |
| 23/ 12/ 92 | 2: 30  | 1023 | 29.076582 | 54.61951065 | 0.181132 | 223.464  | 12.14 |  |
| 23/ 12/ 92 | 2: 50  | 1023 | 28.998062 | 55.44594193 | 0.181132 | 232.189  | 22.22 |  |
| 23/ 12/ 92 | 3: 10  | 1023 | 28.919605 | 54.3189888  | 0.188839 | 230.095  | 25.02 |  |
| 23/ 12/ 92 | 3: 30  | 1023 | 28.919605 | 54.54438019 | 0.196546 | 212.994  | 32.02 |  |
| 23/ 12/ 92 | 3: 50  | 1023 | 28.762886 | 53.64282227 | 0.196546 | 187.517  | 11.16 |  |
| 23/ 12/ 92 | 4: 10  | 1023 | 28.919605 | 54.61951065 | 0.196546 | 60.481   | 7.94  |  |
| 23/ 12/ 92 | 4: 30  | 1023 | 28.841213 | 53.9433403  | 0.196546 | 67.81    | 17.74 |  |
| 23/ 12/ 92 | 4: 50  | 1023 | 28.945751 | 59.27756882 | 0.196546 | 46.87    | 23.62 |  |
| 23/ 12/ 92 | 5: 10  | 1023 | 28.919605 | 54.16873169 | 0.196546 | 45.125   | 29.78 |  |
| 23/ 12/ 92 | 5: 30  | 1023 | 28.998062 | 59.42782974 | 0.196546 | 47.219   | 41.96 |  |
| 23/ 12/ 92 | 5: 50  | 1023 | 28.893469 | 54.09360123 | 0.204253 | 48.964   | 54    |  |
| 23/ 12/ 92 | 6: 10  | 1023 | 28.73679  | 59.50296021 | 0.204253 | 35.353   | 54    |  |
| 23/ 12/ 92 | 6: 30  | 1023 | 28.841213 | 54.09360123 | 0.21196  | 45.125   | 50.22 |  |
| 23/ 12/ 92 | 6: 50  | 1023 | 28.945751 | 54.39411926 | 0.21196  | 44.776   | 47.14 |  |
| 23/ 12/ 92 | 7: 10  | 1023 | 28.73679  | 53.9433403  | 0.21196  | 65.367   | 31.6  |  |
| 23/ 12/ 92 | 7: 30  | 1023 | 28.632479 | 54.39411926 | 0.21196  | 41.286   | 28.1  |  |
| 23/ 12/ 92 | 7: 50  | 1023 | 28.73679  | 53.9433403  | 0.21196  | 49.313   | 42.1  |  |
| 23/ 12/ 92 | 8: 10  | 1023 | 29.181376 | 60.70503998 | 0.21196  | 73.394   | 36.92 |  |
| 23/ 12/ 92 | 8: 30  | 1023 | 29.181376 | 54.24386215 | 0.21196  | 68.508   | 20.68 |  |
| 23/ 12/ 92 | 8: 50  | 1023 | 29.207592 | 59.42782974 | 0.21196  | 62.575   | 9.62  |  |

|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 23/ 12/ 92 | 9: 10  | 1023 | 29.260046 | 54.3189888  | 0.21196  | 47.219  | 6.96  |  |
| 23/ 12/ 92 | 9: 30  | 1023 | 29.233816 | 54.76977158 | 0.21196  | 346.661 | 5     |  |
| 23/ 12/ 92 | 9: 50  | 1023 | 29.260046 | 54.24386215 | 0.21196  | 281.049 | 6.26  |  |
| 23/ 12/ 92 | 10: 10 | 1023 | 29.260046 | 61.60660172 | 0.21196  | 259.411 | 6.54  |  |
| 23/ 12/ 92 | 10: 30 | 1023 | 29.260046 | 54.24386215 | 0.21196  | 226.256 | 6.82  |  |
| 23/ 12/ 92 | 10: 50 | 1023 | 29.365044 | 57.09880066 | 0.219667 | 234.981 | 15.78 |  |
| 23/ 12/ 92 | 11: 10 | 1023 | 29.076582 | 53.9433403  | 0.219667 | 224.511 | 36.78 |  |
| 23/ 12/ 92 | 11: 30 | 1023 | 28.893469 | 55.295681   | 0.21196  | 218.927 | 24.88 |  |
| 23/ 12/ 92 | 11: 50 | 1023 | 28.450199 | 53.41743088 | 0.21196  | 235.679 | 21.66 |  |
| 23/ 12/ 92 | 12: 10 | 1023 | 28.710701 | 60.10400009 | 0.204253 | 32.561  | 5.56  |  |
| 23/ 12/ 92 | 12: 30 | 1023 | 28.528278 | 53.41743088 | 0.196546 | 58.736  | 9.48  |  |
| 23/ 12/ 92 | 12: 50 | 1023 | 28.580364 | 58.45114136 | 0.196546 | 52.454  | 20.12 |  |
| 23/ 12/ 92 | 13: 10 | 1023 | 28.450199 | 53.34230042 | 0.188839 | 48.266  | 25.58 |  |
| 23/ 12/ 92 | 13: 30 | 1023 | 28.450199 | 58.52627182 | 0.188839 | 51.058  | 29.78 |  |
| 23/ 12/ 92 | 13: 50 | 1023 | 28.424187 | 53.34230042 | 0.188839 | 43.031  | 34.96 |  |
| 23/ 12/ 92 | 14: 10 | 1023 | 28.424187 | 57.77497101 | 0.181132 | 51.058  | 32.86 |  |
| 23/ 12/ 92 | 14: 30 | 1023 | 28.502245 | 53.11690903 | 0.181132 | 58.387  | 38.32 |  |
| 23/ 12/ 92 | 14: 50 | 1023 | 28.580364 | 60.70503998 | 0.181132 | 52.105  | 48.82 |  |
| 23/ 12/ 92 | 15: 10 | 1023 | 28.606419 | 53.34230042 | 0.181132 | 41.635  | 44.9  |  |
| 23/ 12/ 92 | 15: 30 | 1023 | 28.606419 | 58.90192032 | 0.181132 | 50.36   | 50.92 |  |
| 23/ 12/ 92 | 15: 50 | 1023 | 28.658546 | 53.34230042 | 0.181132 | 39.89   | 55.26 |  |
| 23/ 12/ 92 | 16: 10 | 1023 | 28.606419 | 58.45114136 | 0.173425 | 42.333  | 33.98 |  |
| 23/ 12/ 92 | 16: 30 | 1023 | 28.424187 | 53.19203949 | 0.173425 | 26.977  | 21.8  |  |
| 23/ 12/ 92 | 16: 50 | 1023 | 28.528278 | 58.67652893 | 0.181132 | 34.655  | 8.36  |  |
| 23/ 12/ 92 | 17: 10 | 1023 | 28.502245 | 53.19203949 | 0.173425 | 33.957  | 9.9   |  |
| 23/ 12/ 92 | 17: 30 | 1023 | 28.476219 | 59.80348206 | 0.173425 | 296.405 | 6.68  |  |
| 23/ 12/ 92 | 17: 50 | 1023 | 28.450199 | 53.11690903 | 0.173425 | 227.652 | 6.54  |  |
| 23/ 12/ 92 | 18: 10 | 1023 | 28.502245 | 59.42782974 | 0.181132 | 219.974 | 6.54  |  |
| 23/ 12/ 92 | 18: 30 | 1023 | 28.476219 | 53.19203949 | 0.181132 | 240.216 | 5.84  |  |
| 23/ 12/ 92 | 18: 50 | 1023 | 28.450199 | 59.12731171 | 0.181132 | 232.887 | 9.06  |  |
| 23/ 12/ 92 | 19: 10 | 1023 | 28.190382 | 52.81639099 | 0.188839 | 234.283 | 16.62 |  |
| 23/ 12/ 92 | 19: 30 | 1023 | 28.346191 | 58.30088043 | 0.204253 | 223.464 | 36.78 |  |
| 23/ 12/ 92 | 19: 50 | 1023 | 28.294228 | 52.74126053 | 0.196546 | 232.538 | 33.28 |  |
| 23/ 12/ 92 | 20: 10 | 1023 | 28.190382 | 58.90192032 | 0.196546 | 169.02  | 6.4   |  |
| 23/ 12/ 92 | 20: 30 | 1023 | 28.164438 | 52.51586914 | 0.196546 | 41.286  | 13.68 |  |
| 23/ 12/ 92 | 20: 50 | 1023 | 28.294228 | 58.90192032 | 0.21196  | 41.635  | 47.42 |  |
| 23/ 12/ 92 | 21: 10 | 1023 | 28.346191 | 52.5909996  | 0.219667 | 47.568  | 64.22 |  |
| 23/ 12/ 92 | 21: 30 | 1023 | 28.372183 | 57.69984055 | 0.21196  | 45.125  | 62.54 |  |
| 23/ 12/ 92 | 21: 50 | 1023 | 28.372183 | 52.66613007 | 0.21196  | 39.541  | 60.72 |  |
| 23/ 12/ 92 | 22: 10 | 1023 | 28.372183 | 59.50296021 | 0.21196  | 40.588  | 60.58 |  |
| 23/ 12/ 92 | 22: 30 | 1023 | 28.424187 | 52.5909996  | 0.21196  | 41.984  | 52.46 |  |
| 23/ 12/ 92 | 22: 50 | 1023 | 28.346191 | 58.75165939 | 0.21196  | 48.266  | 47.14 |  |
| 23/ 12/ 92 | 23: 10 | 1023 | 28.424187 | 52.5909996  | 0.204253 | 46.87   | 42.1  |  |
| 23/ 12/ 92 | 23: 30 | 1023 | 28.424187 | 57.69984055 | 0.21196  | 45.474  | 29.36 |  |
| 23/ 12/ 92 | 23: 50 | 1023 | 28.554317 | 52.66613007 | 0.204253 | 50.709  | 16.9  |  |
| 24/ 12/ 92 | 0: 10  | 1023 | 28.502245 | 58.30088043 | 0.204253 | 46.172  | 8.36  |  |
| 24/ 12/ 92 | 0: 30  | 1023 | 28.424187 | 52.5909996  | 0.204253 | 28.722  | 5.42  |  |
| 24/ 12/ 92 | 0: 50  | 1023 | 28.68462  | 59.42782974 | 0.204253 | 289.774 | 4.02  |  |
| 24/ 12/ 92 | 1: 10  | 1023 | 28.632479 | 52.66613007 | 0.204253 | 235.679 | 11.58 |  |
| 24/ 12/ 92 | 1: 30  | 1023 | 28.73679  | 57.32419205 | 0.204253 | 203.222 | 12    |  |
| 24/ 12/ 92 | 1: 50  | 1023 | 28.788988 | 52.74126053 | 0.21196  | 202.524 | 8.78  |  |
| 24/ 12/ 92 | 2: 10  | 1023 | 28.762886 | 56.49776077 | 0.21196  | 196.242 | 4.02  |  |
| 24/ 12/ 92 | 2: 30  | 1023 | 28.788988 | 52.74126053 | 0.21196  | 219.625 | 3.88  |  |
| 24/ 12/ 92 | 2: 50  | 1023 | 28.762886 | 58.90192032 | 0.21196  | 218.578 | 4.86  |  |
| 24/ 12/ 92 | 3: 10  | 1023 | 28.73679  | 52.66613007 | 0.21196  | 221.37  | 9.06  |  |
| 24/ 12/ 92 | 3: 30  | 1023 | 28.68462  | 52.74126053 | 0.21196  | 230.095 | 14.66 |  |

|            |        |      |           |             |          |         |       |
|------------|--------|------|-----------|-------------|----------|---------|-------|
| 24/ 12/ 92 | 3: 50  | 1023 | 28.372183 | 52.81639099 | 0.21196  | 224.86  | 27.54 |
| 24/ 12/ 92 | 4: 10  | 1023 | 28.372183 | 53.71794891 | 0.21196  | 214.39  | 28.52 |
| 24/ 12/ 92 | 4: 30  | 1023 | 28.320206 | 52.66613007 | 0.21196  | 24.185  | 10.6  |
| 24/ 12/ 92 | 4: 50  | 1023 | 28.346191 | 52.96665192 | 0.204253 | 39.89   | 17.46 |
| 24/ 12/ 92 | 5: 10  | 1023 | 28.216333 | 52.5909996  | 0.196546 | 45.823  | 32.86 |
| 24/ 12/ 92 | 5: 30  | 1023 | 28.294228 | 53.04178238 | 0.204253 | 40.588  | 33.42 |
| 24/ 12/ 92 | 5: 50  | 1023 | 28.320206 | 52.74126053 | 0.196546 | 48.964  | 46.72 |
| 24/ 12/ 92 | 6: 10  | 1023 | 28.372183 | 55.89672089 | 0.188839 | 44.427  | 43.36 |
| 24/ 12/ 92 | 6: 30  | 1023 | 28.346191 | 52.51586914 | 0.181132 | 36.4    | 36.22 |
| 24/ 12/ 92 | 6: 50  | 1023 | 28.528278 | 53.9433403  | 0.196546 | 44.078  | 50.5  |
| 24/ 12/ 92 | 7: 10  | 1023 | 28.424187 | 52.66613007 | 0.196546 | 34.655  | 49.94 |
| 24/ 12/ 92 | 7: 30  | 1023 | 28.424187 | 58.45114136 | 0.165718 | 57.689  | 40.42 |
| 24/ 12/ 92 | 7: 50  | 1023 | 28.424187 | 52.44073868 | 0.173425 | 42.333  | 20.68 |
| 24/ 12/ 92 | 8: 10  | 1023 | 28.398182 | 58.90192032 | 0.173425 | 38.494  | 17.88 |
| 24/ 12/ 92 | 8: 30  | 1023 | 28.320206 | 52.36561203 | 0.173425 | 21.393  | 13.82 |
| 24/ 12/ 92 | 8: 50  | 1023 | 27.983013 | 57.69984055 | 0.173425 | 32.561  | 13.68 |
| 24/ 12/ 92 | 9: 10  | 1023 | 28.372183 | 52.36561203 | 0.181132 | 60.83   | 17.6  |
| 24/ 12/ 92 | 9: 30  | 1023 | 28.398182 | 57.62471008 | 0.181132 | 52.803  | 10.88 |
| 24/ 12/ 92 | 9: 50  | 1023 | 28.398182 | 52.44073868 | 0.181132 | 206.363 | 5     |
| 24/ 12/ 92 | 10: 10 | 1023 | 28.580364 | 57.62471008 | 0.181132 | 217.531 | 5     |
| 24/ 12/ 92 | 10: 30 | 1023 | 28.528278 | 52.51586914 | 0.181132 | 222.417 | 9.48  |
| 24/ 12/ 92 | 10: 50 | 1023 | 28.450199 | 52.5909996  | 0.181132 | 247.545 | 15.36 |
| 24/ 12/ 92 | 11: 10 | 1023 | 28.424187 | 52.29048157 | 0.188839 | 224.162 | 12.28 |
| 24/ 12/ 92 | 11: 30 | 1023 | 28.372183 | 59.57809067 | 0.21196  | 222.417 | 29.22 |
| 24/ 12/ 92 | 11: 50 | 1023 | 28.320206 | 51.91482925 | 0.196546 | 230.793 | 47.84 |
| 24/ 12/ 92 | 12: 10 | 1023 | 28.24229  | 57.17393112 | 0.196546 | 223.813 | 23.06 |
| 24/ 12/ 92 | 12: 30 | 1023 | 28.424187 | 51.98995972 | 0.196546 | 214.739 | 11.44 |
| 24/ 12/ 92 | 12: 50 | 1023 | 28.424187 | 52.66613007 | 0.196546 | 42.682  | 12.7  |
| 24/ 12/ 92 | 13: 10 | 1023 | 28.398182 | 51.98995972 | 0.204253 | 43.38   | 39.3  |
| 24/ 12/ 92 | 13: 30 | 1023 | 28.476219 | 52.66613007 | 0.227374 | 52.454  | 52.18 |
| 24/ 12/ 92 | 13: 50 | 1023 | 28.476219 | 52.06509018 | 0.227374 | 50.709  | 62.54 |
| 24/ 12/ 92 | 14: 10 | 1023 | 28.476219 | 52.36561203 | 0.235081 | 46.172  | 69.12 |
| 24/ 12/ 92 | 14: 30 | 1023 | 28.398182 | 52.06509018 | 0.227374 | 43.031  | 67.58 |
| 24/ 12/ 92 | 14: 50 | 1023 | 28.424187 | 57.47444916 | 0.258202 | 47.917  | 68    |
| 24/ 12/ 92 | 15: 10 | 1023 | 28.424187 | 52.06509018 | 0.242788 | 45.474  | 72.48 |
| 24/ 12/ 92 | 15: 30 | 1023 | 28.606419 | 56.49776077 | 0.227374 | 53.501  | 60.16 |
| 24/ 12/ 92 | 15: 50 | 1023 | 28.606419 | 52.06509018 | 0.21196  | 52.803  | 48.26 |
| 24/ 12/ 92 | 16: 10 | 1023 | 28.658546 | 52.51586914 | 0.21196  | 54.548  | 27.12 |
| 24/ 12/ 92 | 16: 30 | 1023 | 28.554317 | 51.98995972 | 0.21196  | 24.185  | 12    |
| 24/ 12/ 92 | 16: 50 | 1023 | 29.050402 | 55.295681   | 0.21196  | 83.864  | 8.22  |
| 24/ 12/ 92 | 17: 10 | 1023 | 29.050402 | 52.36561203 | 0.21196  | 76.884  | 6.82  |
| 24/ 12/ 92 | 17: 30 | 1023 | 28.867338 | 52.89152145 | 0.219667 | 48.266  | 6.4   |
| 24/ 12/ 92 | 17: 50 | 1023 | 28.867338 | 52.14022064 | 0.21196  | 48.615  | 6.96  |
| 24/ 12/ 92 | 18: 10 | 1023 | 28.710701 | 54.69464111 | 0.21196  | 14.762  | 5.84  |
| 24/ 12/ 92 | 18: 30 | 1023 | 28.632479 | 51.91482925 | 0.21196  | 249.639 | 5.84  |
| 24/ 12/ 92 | 18: 50 | 1023 | 28.945751 | 55.37081146 | 0.21196  | 233.236 | 6.54  |
| 24/ 12/ 92 | 19: 10 | 1023 | 28.841213 | 52.06509018 | 0.21196  | 242.31  | 6.54  |
| 24/ 12/ 92 | 19: 30 | 1023 | 28.788988 | 52.44073868 | 0.235081 | 219.625 | 31.88 |
| 24/ 12/ 92 | 19: 50 | 1023 | 28.762886 | 52.74126053 | 0.21196  | 237.075 | 32.44 |
| 24/ 12/ 92 | 20: 10 | 1023 | 28.68462  | 57.85010147 | 0.21196  | 220.672 | 12.7  |
| 24/ 12/ 92 | 20: 30 | 1023 | 28.502245 | 52.66613007 | 0.204253 | 12.668  | 7.1   |
| 24/ 12/ 92 | 20: 50 | 1023 | 28.710701 | 54.09360123 | 0.204253 | 46.87   | 14.1  |
| 24/ 12/ 92 | 21: 10 | 1023 | 28.580364 | 52.51586914 | 0.204253 | 50.011  | 30.34 |
| 24/ 12/ 92 | 21: 30 | 1023 | 28.554317 | 52.5909996  | 0.21196  | 47.568  | 42.52 |
| 24/ 12/ 92 | 21: 50 | 1023 | 28.554317 | 52.36561203 | 0.21196  | 38.145  | 53.44 |
| 24/ 12/ 92 | 22: 10 | 1023 | 28.606419 | 59.05218124 | 0.219667 | 41.635  | 57.92 |

|            |        |      |           |             |          |         |       |
|------------|--------|------|-----------|-------------|----------|---------|-------|
| 24/ 12/ 92 | 22: 30 | 1023 | 28.632479 | 52.14022064 | 0.196546 | 32.91   | 56.66 |
| 24/ 12/ 92 | 22: 50 | 1023 | 28.710701 | 57.69984055 | 0.21196  | 51.058  | 53.86 |
| 24/ 12/ 92 | 23: 10 | 1023 | 28.762886 | 51.91482925 | 0.219667 | 45.474  | 58.48 |
| 24/ 12/ 92 | 23: 30 | 1023 | 28.73679  | 52.66613007 | 0.188839 | 45.125  | 54.98 |
| 24/ 12/ 92 | 23: 50 | 1023 | 28.632479 | 52.2153511  | 0.173425 | 48.266  | 36.36 |
| 25/ 12/ 92 | 0: 10  | 1023 | 28.68462  | 53.04178238 | 0.173425 | 54.548  | 25.58 |
| 25/ 12/ 92 | 0: 30  | 1023 | 28.632479 | 52.14022064 | 0.173425 | 40.937  | 16.76 |
| 25/ 12/ 92 | 0: 50  | 1023 | 28.580364 | 54.61951065 | 0.173425 | 51.756  | 9.06  |
| 25/ 12/ 92 | 1: 10  | 1023 | 28.554317 | 52.06509018 | 0.173425 | 60.132  | 7.1   |
| 25/ 12/ 92 | 1: 30  | 1023 | 28.554317 | 57.92523193 | 0.181132 | 40.588  | 9.9   |
| 25/ 12/ 92 | 1: 50  | 1023 | 28.68462  | 52.29048157 | 0.181132 | 60.83   | 5.84  |
| 25/ 12/ 92 | 2: 10  | 1023 | 28.73679  | 57.54957962 | 0.181132 | 178.094 | 4.72  |
| 25/ 12/ 92 | 2: 30  | 1023 | 28.762886 | 52.29048157 | 0.188839 | 201.128 | 3.46  |
| 25/ 12/ 92 | 2: 50  | 1023 | 28.73679  | 55.52107239 | 0.188839 | 251.384 | 4.02  |
| 25/ 12/ 92 | 3: 10  | 1023 | 28.632479 | 52.14022064 | 0.196546 | 231.142 | 8.78  |
| 25/ 12/ 92 | 3: 30  | 1023 | 28.658546 | 58.30088043 | 0.196546 | 228.35  | 19    |
| 25/ 12/ 92 | 3: 50  | 1023 | 28.528278 | 52.14022064 | 0.196546 | 215.437 | 33    |
| 25/ 12/ 92 | 4: 10  | 1023 | 28.346191 | 52.06509018 | 0.196546 | 220.672 | 29.64 |
| 25/ 12/ 92 | 4: 30  | 1023 | 28.372183 | 51.91482925 | 0.196546 | 223.115 | 25.72 |
| 25/ 12/ 92 | 4: 50  | 1023 | 28.346191 | 53.49256134 | 0.204253 | 236.028 | 9.34  |
| 25/ 12/ 92 | 5: 10  | 1023 | 28.398182 | 52.06509018 | 0.204253 | 55.595  | 5     |
| 25/ 12/ 92 | 5: 30  | 1023 | 28.476219 | 57.54957962 | 0.21196  | 47.219  | 24.88 |
| 25/ 12/ 92 | 5: 50  | 1023 | 28.476219 | 51.98995972 | 0.21196  | 46.87   | 48.12 |
| 25/ 12/ 92 | 6: 10  | 1023 | 28.424187 | 54.09360123 | 0.219667 | 42.333  | 56.52 |
| 25/ 12/ 92 | 6: 30  | 1023 | 28.502245 | 52.14022064 | 0.219667 | 40.239  | 52.88 |
| 25/ 12/ 92 | 6: 50  | 1023 | 28.554317 | 58.75165939 | 0.21196  | 42.682  | 49.1  |
| 25/ 12/ 92 | 7: 10  | 1023 | 28.476219 | 52.14022064 | 0.21196  | 46.521  | 47.84 |
| 25/ 12/ 92 | 7: 30  | 1023 | 28.580364 | 52.81639099 | 0.21196  | 51.756  | 48.26 |
| 25/ 12/ 92 | 7: 50  | 1023 | 28.68462  | 52.2153511  | 0.21196  | 43.729  | 45.04 |
| 25/ 12/ 92 | 8: 10  | 1023 | 28.658546 | 57.32419205 | 0.21196  | 47.568  | 43.08 |
| 25/ 12/ 92 | 8: 30  | 1023 | 28.476219 | 51.98995972 | 0.21196  | 36.051  | 40.14 |
| 25/ 12/ 92 | 8: 50  | 1023 | 28.424187 | 57.69984055 | 0.21196  | 43.38   | 27.4  |
| 25/ 12/ 92 | 9: 10  | 1023 | 28.632479 | 52.14022064 | 0.21196  | 58.038  | 15.64 |
| 25/ 12/ 92 | 9: 30  | 1023 | 28.710701 | 57.62471008 | 0.21196  | 44.776  | 9.62  |
| 25/ 12/ 92 | 9: 50  | 1023 | 28.606419 | 52.06509018 | 0.21196  | 43.38   | 8.22  |
| 25/ 12/ 92 | 10: 10 | 1023 | 28.945751 | 57.62471008 | 0.21196  | 127.14  | 4.3   |
| 25/ 12/ 92 | 10: 30 | 1023 | 28.893469 | 52.2153511  | 0.21196  | 234.283 | 4.16  |
| 25/ 12/ 92 | 10: 50 | 1023 | 28.815098 | 52.81639099 | 0.21196  | 229.397 | 5.98  |
| 25/ 12/ 92 | 11: 10 | 1023 | 28.867338 | 52.2153511  | 0.21196  | 230.095 | 7.8   |
| 25/ 12/ 92 | 11: 30 | 1023 | 28.788988 | 52.2153511  | 0.21196  | 242.31  | 7.24  |
| 25/ 12/ 92 | 11: 50 | 1023 | 28.762886 | 53.11690903 | 0.21196  | 247.545 | 7.1   |
| 25/ 12/ 92 | 12: 10 | 1023 | 28.68462  | 54.69464111 | 0.21196  | 259.411 | 6.26  |
| 25/ 12/ 92 | 12: 30 | 1023 | 28.68462  | 52.96665192 | 0.21196  | 221.37  | 11.44 |
| 25/ 12/ 92 | 12: 50 | 1023 | 28.554317 | 53.79307938 | 0.21196  | 231.84  | 12.28 |
| 25/ 12/ 92 | 13: 10 | 1023 | 28.580364 | 52.81639099 | 0.204253 | 262.552 | 6.4   |
| 25/ 12/ 92 | 13: 30 | 1023 | 28.528278 | 54.54438019 | 0.196546 | 50.011  | 5     |
| 25/ 12/ 92 | 13: 50 | 1023 | 28.450199 | 52.74126053 | 0.196546 | 52.803  | 7.94  |
| 25/ 12/ 92 | 14: 10 | 1023 | 28.424187 | 54.46924973 | 0.188839 | 43.729  | 13.82 |
| 25/ 12/ 92 | 14: 30 | 1023 | 28.398182 | 52.66613007 | 0.188839 | 50.36   | 25.44 |
| 25/ 12/ 92 | 14: 50 | 1023 | 28.424187 | 53.26716995 | 0.188839 | 49.662  | 36.36 |
| 25/ 12/ 92 | 15: 10 | 1023 | 28.398182 | 52.5909996  | 0.188839 | 43.38   | 46.86 |
| 25/ 12/ 92 | 15: 30 | 1023 | 28.424187 | 57.69984055 | 0.188839 | 45.125  | 46.86 |
| 25/ 12/ 92 | 15: 50 | 1023 | 28.528278 | 52.51586914 | 0.181132 | 60.83   | 40.56 |
| 25/ 12/ 92 | 16: 10 | 1023 | 28.554317 | 57.69984055 | 0.173425 | 49.662  | 23.2  |
| 25/ 12/ 92 | 16: 30 | 1023 | 28.580364 | 52.51586914 | 0.173425 | 72.696  | 10.32 |
| 25/ 12/ 92 | 16: 50 | 1023 | 28.554317 | 57.69984055 | 0.173425 | 54.199  | 5.56  |



|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 25/ 12/ 92 | 17: 10 | 1023 | 28.502245 | 52.51586914 | 0.173425 | 29.769  | 5.42  |  |
| 25/ 12/ 92 | 17: 30 | 1023 | 28.502245 | 52.89152145 | 0.181132 | 39.192  | 5.42  |  |
| 25/ 12/ 92 | 17: 50 | 1023 | 28.502245 | 52.51586914 | 0.181132 | 48.266  | 6.4   |  |
| 25/ 12/ 92 | 18: 10 | 1023 | 28.554317 | 53.79307938 | 0.181132 | 83.864  | 6.12  |  |
| 25/ 12/ 92 | 18: 30 | 1023 | 28.554317 | 52.5909996  | 0.188839 | 241.263 | 5.14  |  |
| 25/ 12/ 92 | 18: 50 | 1023 | 28.502245 | 55.22055054 | 0.188839 | 225.558 | 5.14  |  |
| 25/ 12/ 92 | 19: 10 | 1023 | 28.450199 | 52.51586914 | 0.196546 | 226.256 | 11.58 |  |
| 25/ 12/ 92 | 19: 30 | 1023 | 28.450199 | 57.3993187  | 0.196546 | 223.464 | 22.92 |  |
| 25/ 12/ 92 | 19: 50 | 1023 | 28.450199 | 52.44073868 | 0.196546 | 225.907 | 28.8  |  |
| 25/ 12/ 92 | 20: 10 | 1023 | 28.502245 | 55.89672089 | 0.196546 | 211.598 | 19.14 |  |
| 25/ 12/ 92 | 20: 30 | 1023 | 28.554317 | 52.51586914 | 0.204253 | 249.639 | 23.62 |  |
| 25/ 12/ 92 | 20: 50 | 1023 | 28.658546 | 57.62471008 | 0.204253 | 212.994 | 21.94 |  |
| 25/ 12/ 92 | 21: 10 | 1023 | 28.762886 | 52.66613007 | 0.204253 | 211.249 | 24.88 |  |
| 25/ 12/ 92 | 21: 30 | 1023 | 28.606419 | 53.79307938 | 0.204253 | 263.25  | 9.9   |  |
| 25/ 12/ 92 | 21: 50 | 1023 | 28.68462  | 52.66613007 | 0.204253 | 45.823  | 5.14  |  |
| 25/ 12/ 92 | 22: 10 | 1023 | 28.68462  | 55.74645996 | 0.204253 | 38.843  | 13.68 |  |
| 25/ 12/ 92 | 22: 30 | 1023 | 28.658546 | 52.66613007 | 0.204253 | 46.87   | 28.38 |  |
| 25/ 12/ 92 | 22: 50 | 1023 | 28.893469 | 55.59619904 | 0.204253 | 51.407  | 30.62 |  |
| 25/ 12/ 92 | 23: 10 | 1023 | 28.971903 | 52.66613007 | 0.204253 | 38.494  | 29.64 |  |
| 25/ 12/ 92 | 23: 30 | 1023 | 28.867338 | 53.86820984 | 0.219667 | 39.192  | 47.14 |  |
| 25/ 12/ 92 | 23: 50 | 1023 | 28.919605 | 52.81639099 | 0.219667 | 40.588  | 54.28 |  |
| 26/ 12/ 92 | 0: 10  | 1023 | 28.945751 | 54.69464111 | 0.21196  | 40.937  | 47.84 |  |
| 26/ 12/ 92 | 0: 30  | 1023 | 29.076582 | 52.96665192 | 0.204253 | 41.286  | 38.32 |  |
| 26/ 12/ 92 | 0: 50  | 1023 | 29.128963 | 53.41743088 | 0.204253 | 42.682  | 33.14 |  |
| 26/ 12/ 92 | 1: 10  | 1023 | 28.998062 | 52.81639099 | 0.204253 | 38.843  | 26.14 |  |
| 26/ 12/ 92 | 1: 30  | 1023 | 28.841213 | 52.89152145 | 0.204253 | 30.816  | 18.02 |  |
| 26/ 12/ 92 | 1: 50  | 1023 | 28.971903 | 52.81639099 | 0.204253 | 42.682  | 13.96 |  |
| 26/ 12/ 92 | 2: 10  | 1023 | 28.841213 | 52.96665192 | 0.204253 | 45.125  | 12.56 |  |
| 26/ 12/ 92 | 2: 30  | 1023 | 29.050402 | 52.81639099 | 0.204253 | 51.058  | 11.86 |  |
| 26/ 12/ 92 | 2: 50  | 1023 | 28.867338 | 52.96665192 | 0.204253 | 50.709  | 12.98 |  |
| 26/ 12/ 92 | 3: 10  | 1023 | 28.893469 | 52.66613007 | 0.204253 | 48.964  | 12.84 |  |
| 26/ 12/ 92 | 3: 30  | 1023 | 28.815098 | 53.49256134 | 0.204253 | 42.682  | 9.06  |  |
| 26/ 12/ 92 | 3: 50  | 1023 | 28.73679  | 53.41743088 | 0.204253 | 38.145  | 5.56  |  |
| 26/ 12/ 92 | 4: 10  | 1023 | 28.710701 | 53.71794891 | 0.204253 | 54.199  | 6.4   |  |
| 26/ 12/ 92 | 4: 30  | 1023 | 28.788988 | 53.34230042 | 0.204253 | 251.733 | 5.84  |  |
| 26/ 12/ 92 | 4: 50  | 1023 | 29.050402 | 53.79307938 | 0.21196  | 220.672 | 49.94 |  |
| 26/ 12/ 92 | 5: 10  | 1023 | 29.128963 | 53.41743088 | 0.196546 | 217.531 | 36.36 |  |
| 26/ 12/ 92 | 5: 30  | 1023 | 29.128963 | 53.71794891 | 0.188839 | 210.202 | 16.06 |  |
| 26/ 12/ 92 | 5: 50  | 1023 | 29.128963 | 53.26716995 | 0.188839 | 63.622  | 5     |  |
| 26/ 12/ 92 | 6: 10  | 1023 | 29.050402 | 53.26716995 | 0.181132 | 36.4    | 8.22  |  |
| 26/ 12/ 92 | 6: 30  | 1023 | 28.998062 | 53.04178238 | 0.181132 | 58.038  | 17.32 |  |
| 26/ 12/ 92 | 6: 50  | 1023 | 29.050402 | 53.5676918  | 0.181132 | 37.447  | 20.96 |  |
| 26/ 12/ 92 | 7: 10  | 1023 | 28.998062 | 53.34230042 | 0.181132 | 47.219  | 24.6  |  |
| 26/ 12/ 92 | 7: 30  | 1023 | 28.867338 | 53.5676918  | 0.173425 | 41.635  | 21.66 |  |
| 26/ 12/ 92 | 7: 50  | 1023 | 28.841213 | 53.19203949 | 0.173425 | 51.058  | 11.72 |  |
| 26/ 12/ 92 | 8: 10  | 1023 | 28.815098 | 54.3189888  | 0.173425 | 56.991  | 7.8   |  |
| 26/ 12/ 92 | 8: 30  | 1023 | 28.762886 | 53.19203949 | 0.173425 | 37.796  | 6.54  |  |
| 26/ 12/ 92 | 8: 50  | 1023 | 28.788988 | 57.92523193 | 0.173425 | 47.219  | 5.84  |  |
| 26/ 12/ 92 | 9: 10  | 1023 | 28.73679  | 53.11690903 | 0.181132 | 53.501  | 5.98  |  |
| 26/ 12/ 92 | 9: 30  | 1023 | 28.762886 | 53.79307938 | 0.181132 | 55.595  | 5.56  |  |
| 26/ 12/ 92 | 9: 50  | 1023 | 28.68462  | 52.96665192 | 0.181132 | 41.286  | 5.28  |  |
| 26/ 12/ 92 | 10: 10 | 1023 | 28.658546 | 55.89672089 | 0.188839 | 58.736  | 6.96  |  |
| 26/ 12/ 92 | 10: 30 | 1023 | 28.68462  | 52.96665192 | 0.188839 | 86.307  | 8.08  |  |
| 26/ 12/ 92 | 10: 50 | 1023 | 28.710701 | 53.79307938 | 0.196546 | 167.275 | 5.56  |  |
| 26/ 12/ 92 | 11: 10 | 1023 | 28.710701 | 53.11690903 | 0.196546 | 208.457 | 5.42  |  |
| 26/ 12/ 92 | 11: 30 | 1023 | 28.710701 | 53.86820984 | 0.196546 | 196.591 | 4.3   |  |

|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 26/ 12/ 92 | 11: 50 | 1023 | 28.68462  | 53.11690903 | 0.196546 | 180.537 | 4.44  |  |
| 26/ 12/ 92 | 12: 10 | 1023 | 28.68462  | 59.72835159 | 0.204253 | 135.516 | 7.52  |  |
| 26/ 12/ 92 | 12: 30 | 1023 | 28.68462  | 53.11690903 | 0.204253 | 50.011  | 7.1   |  |
| 26/ 12/ 92 | 12: 50 | 1023 | 28.68462  | 58.75165939 | 0.204253 | 52.105  | 6.96  |  |
| 26/ 12/ 92 | 13: 10 | 1023 | 28.68462  | 53.04178238 | 0.204253 | 60.132  | 6.54  |  |
| 26/ 12/ 92 | 13: 30 | 1023 | 28.68462  | 59.65322113 | 0.21196  | 292.217 | 6.96  |  |
| 26/ 12/ 92 | 13: 50 | 1023 | 28.68462  | 53.11690903 | 0.204253 | 234.981 | 6.68  |  |
| 26/ 12/ 92 | 14: 10 | 1023 | 28.658546 | 53.26716995 | 0.204253 | 230.444 | 7.8   |  |
| 26/ 12/ 92 | 14: 30 | 1023 | 28.554317 | 52.29048157 | 0.21196  | 219.625 | 15.92 |  |
| 26/ 12/ 92 | 14: 50 | 1023 | 28.606419 | 52.74126053 | 0.204253 | 219.276 | 10.46 |  |
| 26/ 12/ 92 | 15: 10 | 1023 | 28.68462  | 52.44073868 | 0.204253 | 222.417 | 5.7   |  |
| 26/ 12/ 92 | 15: 30 | 1023 | 28.658546 | 53.9433403  | 0.204253 | 162.04  | 5.7   |  |
| 26/ 12/ 92 | 15: 50 | 1023 | 28.68462  | 52.5909996  | 0.204253 | 68.159  | 7.66  |  |
| 26/ 12/ 92 | 16: 10 | 1023 | 28.68462  | 56.42263031 | 0.196546 | 38.843  | 7.94  |  |
| 26/ 12/ 92 | 16: 30 | 1023 | 28.658546 | 52.66613007 | 0.204253 | 41.635  | 8.78  |  |
| 26/ 12/ 92 | 16: 50 | 1023 | 28.632479 | 57.62471008 | 0.204253 | 48.615  | 12.14 |  |
| 26/ 12/ 92 | 17: 10 | 1023 | 28.580364 | 52.51586914 | 0.204253 | 39.541  | 15.78 |  |
| 26/ 12/ 92 | 17: 30 | 1023 | 28.710701 | 61.30607986 | 0.204253 | 46.172  | 21.24 |  |
| 26/ 12/ 92 | 17: 50 | 1023 | 28.762886 | 52.81639099 | 0.204253 | 45.125  | 18.44 |  |
| 26/ 12/ 92 | 18: 10 | 1023 | 28.606419 | 52.89152145 | 0.204253 | 42.682  | 18.02 |  |
| 26/ 12/ 92 | 18: 30 | 1023 | 28.632479 | 52.5909996  | 0.204253 | 50.011  | 16.9  |  |
| 26/ 12/ 92 | 18: 50 | 1023 | 28.606419 | 57.92523193 | 0.21196  | 43.729  | 16.48 |  |
| 26/ 12/ 92 | 19: 10 | 1023 | 28.606419 | 52.51586914 | 0.204253 | 47.917  | 16.34 |  |
| 26/ 12/ 92 | 19: 30 | 1023 | 28.606419 | 59.05218124 | 0.204253 | 36.749  | 11.86 |  |
| 26/ 12/ 92 | 19: 50 | 1023 | 28.580364 | 52.44073868 | 0.204253 | 36.051  | 10.04 |  |
| 26/ 12/ 92 | 20: 10 | 1023 | 28.580364 | 53.11690903 | 0.204253 | 48.266  | 8.78  |  |
| 26/ 12/ 92 | 20: 30 | 1023 | 28.580364 | 52.5909996  | 0.196546 | 54.199  | 7.8   |  |
| 26/ 12/ 92 | 20: 50 | 1023 | 28.554317 | 55.295681   | 0.196546 | 48.615  | 6.82  |  |
| 26/ 12/ 92 | 21: 10 | 1023 | 28.554317 | 52.51586914 | 0.188839 | 48.266  | 6.96  |  |
| 26/ 12/ 92 | 21: 30 | 1023 | 28.528278 | 52.89152145 | 0.196546 | 32.91   | 7.94  |  |
| 26/ 12/ 92 | 21: 50 | 1023 | 28.528278 | 52.51586914 | 0.188839 | 71.649  | 6.54  |  |
| 26/ 12/ 92 | 22: 10 | 1023 | 28.502245 | 58.22574997 | 0.188839 | 60.132  | 6.82  |  |
| 26/ 12/ 92 | 22: 30 | 1023 | 28.476219 | 52.36561203 | 0.181132 | 42.682  | 6.82  |  |
| 26/ 12/ 92 | 22: 50 | 1023 | 28.476219 | 52.5909996  | 0.181132 | 63.273  | 8.36  |  |
| 26/ 12/ 92 | 23: 10 | 1023 | 28.476219 | 52.44073868 | 0.181132 | 59.434  | 7.52  |  |
| 26/ 12/ 92 | 23: 30 | 1023 | 28.450199 | 57.92523193 | 0.181132 | 24.883  | 6.96  |  |
| 26/ 12/ 92 | 23: 50 | 1023 | 28.450199 | 52.36561203 | 0.181132 | 33.259  | 7.8   |  |
| 27/ 12/ 92 | 0: 10  | 1023 | 28.450199 | 52.51586914 | 0.181132 | 46.521  | 8.78  |  |
| 27/ 12/ 92 | 0: 30  | 1023 | 28.424187 | 52.36561203 | 0.181132 | 26.279  | 9.06  |  |
| 27/ 12/ 92 | 0: 50  | 1023 | 28.398182 | 52.66613007 | 0.181132 | 60.83   | 9.34  |  |
| 27/ 12/ 92 | 1: 10  | 1023 | 28.398182 | 52.36561203 | 0.173425 | 60.481  | 10.18 |  |
| 27/ 12/ 92 | 1: 30  | 1023 | 28.398182 | 52.51586914 | 0.165718 | 50.011  | 11.16 |  |
| 27/ 12/ 92 | 1: 50  | 1023 | 28.372183 | 52.36561203 | 0.181132 | 56.642  | 12.84 |  |
| 27/ 12/ 92 | 2: 10  | 1023 | 28.320206 | 57.69984055 | 0.188839 | 29.769  | 13.4  |  |
| 27/ 12/ 92 | 2: 30  | 1023 | 28.320206 | 52.36561203 | 0.196546 | 34.306  | 13.26 |  |
| 27/ 12/ 92 | 2: 50  | 1023 | 28.268255 | 57.69984055 | 0.188839 | 29.769  | 12.56 |  |
| 27/ 12/ 92 | 3: 10  | 1023 | 28.268255 | 52.29048157 | 0.181132 | 53.152  | 10.46 |  |
| 27/ 12/ 92 | 3: 30  | 1023 | 28.216333 | 56.19723892 | 0.196546 | 58.038  | 11.16 |  |
| 27/ 12/ 92 | 3: 50  | 1023 | 28.216333 | 52.14022064 | 0.204253 | 36.749  | 9.9   |  |
| 27/ 12/ 92 | 4: 10  | 1023 | 28.216333 | 57.77497101 | 0.219667 | 31.514  | 9.62  |  |
| 27/ 12/ 92 | 4: 30  | 1023 | 28.216333 | 52.2153511  | 0.227374 | 40.937  | 9.76  |  |
| 27/ 12/ 92 | 4: 50  | 1023 | 28.216333 | 58.0003624  | 0.204253 | 43.031  | 11.3  |  |
| 27/ 12/ 92 | 5: 10  | 1023 | 28.216333 | 52.14022064 | 0.21196  | 32.561  | 11.72 |  |
| 27/ 12/ 92 | 5: 30  | 1023 | 28.268255 | 56.42263031 | 0.204253 | 43.38   | 11.86 |  |
| 27/ 12/ 92 | 5: 50  | 1023 | 28.268255 | 52.2153511  | 0.21196  | 44.078  | 12.98 |  |
| 27/ 12/ 92 | 6: 10  | 1023 | 28.294228 | 53.64282227 | 0.204253 | 35.353  | 13.26 |  |

|            |        |      |           |             |          |         |       |
|------------|--------|------|-----------|-------------|----------|---------|-------|
| 27/ 12/ 92 | 6: 30  | 1023 | 28.346191 | 52.36561203 | 0.21196  | 28.722  | 14.1  |
| 27/ 12/ 92 | 6: 50  | 1023 | 28.372183 | 54.39411926 | 0.204253 | 238.82  | 13.12 |
| 27/ 12/ 92 | 7: 10  | 1023 | 28.346191 | 51.08840179 | 0.204253 | 257.666 | 12.56 |
| 27/ 12/ 92 | 7: 30  | 1023 | 28.346191 | 54.09360123 | 0.204253 | 296.405 | 12.98 |
| 27/ 12/ 92 | 7: 50  | 1023 | 28.372183 | 50.78787994 | 0.21196  | 329.909 | 12.84 |
| 27/ 12/ 92 | 8: 10  | 1023 | 28.450199 | 57.69984055 | 0.21196  | 34.306  | 15.64 |
| 27/ 12/ 92 | 8: 30  | 1023 | 28.372183 | 52.5909996  | 0.21196  | 44.776  | 18.86 |
| 27/ 12/ 92 | 8: 50  | 1023 | 28.346191 | 52.96665192 | 0.219667 | 28.722  | 31.18 |
| 27/ 12/ 92 | 9: 10  | 1023 | 28.346191 | 52.5909996  | 0.242788 | 38.145  | 31.6  |
| 27/ 12/ 92 | 9: 30  | 1023 | 28.450199 | 53.79307938 | 0.242788 | 19.648  | 32.02 |
| 27/ 12/ 92 | 9: 50  | 1023 | 28.398182 | 51.23865891 | 0.188839 | 330.258 | 28.1  |
| 27/ 12/ 92 | 10: 10 | 1023 | 28.320206 | 50.71274948 | 0.188839 | 271.975 | 14.1  |
| 27/ 12/ 92 | 10: 30 | 1023 | 28.294228 | 50.86301041 | 0.196546 | 274.069 | 14.1  |
| 27/ 12/ 92 | 10: 50 | 1023 | 28.216333 | 50.86301041 | 0.21196  | 267.787 | 13.68 |
| 27/ 12/ 92 | 11: 10 | 1023 | 28.190382 | 50.48736191 | 0.196546 | 235.679 | 14.1  |
| 27/ 12/ 92 | 11: 30 | 1023 | 28.164438 | 51.01327133 | 0.21196  | 221.021 | 13.4  |
| 27/ 12/ 92 | 11: 50 | 1023 | 28.1385   | 51.01327133 | 0.250495 | 245.8   | 11.72 |
| 27/ 12/ 92 | 12: 10 | 1023 | 28.086643 | 51.01327133 | 0.21196  | 236.726 | 12.98 |
| 27/ 12/ 92 | 12: 30 | 1023 | 28.034815 | 50.86301041 | 0.250495 | 262.552 | 11.86 |
| 27/ 12/ 92 | 12: 50 | 1023 | 28.008911 | 51.38891983 | 0.21196  | 256.27  | 11.86 |
| 27/ 12/ 92 | 13: 10 | 1023 | 28.008911 | 50.93814087 | 0.219667 | 22.44   | 11.44 |
| 27/ 12/ 92 | 13: 30 | 1023 | 28.008911 | 60.10400009 | 0.219667 | 44.078  | 12    |
| 27/ 12/ 92 | 13: 50 | 1023 | 28.008911 | 51.31378937 | 0.173425 | 340.379 | 12.28 |
| 27/ 12/ 92 | 14: 10 | 1023 | 27.983013 | 52.51586914 | 0.181132 | 51.756  | 11.02 |
| 27/ 12/ 92 | 14: 30 | 1023 | 27.931236 | 51.53918076 | 0.235081 | 294.311 | 12.84 |
| 27/ 12/ 92 | 14: 50 | 1023 | 27.931236 | 54.69464111 | 0.21196  | 246.498 | 9.62  |
| 27/ 12/ 92 | 15: 10 | 1023 | 27.750227 | 51.16353226 | 0.219667 | 255.921 | 11.16 |
| 27/ 12/ 92 | 15: 30 | 1023 | 27.750227 | 52.51586914 | 0.204253 | 309.318 | 10.88 |
| 27/ 12/ 92 | 15: 50 | 1023 | 27.67275  | 50.11170959 | 0.196546 | 356.782 | 12.14 |
| 27/ 12/ 92 | 16: 10 | 1023 | 27.724396 | 51.38891983 | 0.204253 | 182.282 | 11.3  |
| 27/ 12/ 92 | 16: 30 | 1023 | 27.67275  | 51.98995972 | 0.181132 | 32.561  | 11.02 |
| 27/ 12/ 92 | 16: 50 | 1023 | 27.827763 | 52.36561203 | 0.204253 | 48.266  | 11.44 |
| 27/ 12/ 92 | 17: 10 | 1023 | 27.879486 | 52.2153511  | 0.21196  | 55.246  | 14.52 |
| 27/ 12/ 92 | 17: 30 | 1023 | 27.827763 | 52.44073868 | 0.219667 | 45.474  | 14.24 |
| 27/ 12/ 92 | 17: 50 | 1023 | 27.750227 | 52.06509018 | 0.204253 | 14.762  | 15.78 |
| 27/ 12/ 92 | 18: 10 | 1023 | 27.776066 | 52.2153511  | 0.196546 | 47.219  | 14.24 |
| 27/ 12/ 92 | 18: 30 | 1023 | 27.750227 | 52.06509018 | 0.21196  | 31.165  | 11.86 |
| 27/ 12/ 92 | 18: 50 | 1023 | 27.698568 | 53.79307938 | 0.21196  | 14.762  | 8.36  |
| 27/ 12/ 92 | 19: 10 | 1023 | 27.801912 | 52.06509018 | 0.204253 | 50.709  | 7.52  |
| 27/ 12/ 92 | 19: 30 | 1023 | 27.853622 | 53.79307938 | 0.235081 | 6.735   | 7.38  |
| 27/ 12/ 92 | 19: 50 | 1023 | 27.827763 | 52.14022064 | 0.227374 | 30.118  | 6.82  |
| 27/ 12/ 92 | 20: 10 | 1023 | 27.750227 | 55.89672089 | 0.219667 | 56.293  | 7.66  |
| 27/ 12/ 92 | 20: 30 | 1023 | 27.646936 | 51.68944168 | 0.235081 | 14.762  | 7.8   |
| 27/ 12/ 92 | 20: 50 | 1023 | 27.492193 | 50.71274948 | 0.227374 | 59.434  | 7.94  |
| 27/ 12/ 92 | 21: 10 | 1023 | 27.750227 | 51.91482925 | 0.242788 | 14.762  | 7.52  |
| 27/ 12/ 92 | 21: 30 | 1023 | 27.698568 | 51.91482925 | 0.235081 | 45.125  | 7.38  |
| 27/ 12/ 92 | 21: 50 | 1023 | 27.698568 | 51.68944168 | 0.235081 | 54.548  | 7.66  |
| 27/ 12/ 92 | 22: 10 | 1023 | 27.724396 | 51.91482925 | 0.227374 | 34.655  | 8.64  |
| 27/ 12/ 92 | 22: 30 | 1023 | 27.724396 | 51.91482925 | 0.235081 | 34.306  | 9.34  |
| 27/ 12/ 92 | 22: 50 | 1023 | 27.750227 | 52.51586914 | 0.242788 | 13.366  | 8.36  |
| 27/ 12/ 92 | 23: 10 | 1023 | 27.776066 | 51.91482925 | 0.227374 | 22.789  | 7.94  |
| 27/ 12/ 92 | 23: 30 | 1023 | 27.750227 | 51.98995972 | 0.227374 | 10.574  | 9.2   |
| 27/ 12/ 92 | 23: 50 | 1023 | 27.827763 | 52.06509018 | 0.242788 | 118.764 | 6.96  |
| 28/ 12/ 92 | 0: 10  | 1023 | 27.827763 | 52.51586914 | 0.235081 | 52.454  | 7.8   |
| 28/ 12/ 92 | 0: 30  | 1023 | 27.853622 | 52.06509018 | 0.227374 | 47.568  | 8.64  |
| 28/ 12/ 92 | 0: 50  | 1023 | 27.879486 | 53.11690903 | 0.235081 | 34.655  | 10.46 |

|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 28/ 12/ 92 | 1: 10  | 1023 | 27.905359 | 52.2153511  | 0.227374 | 58.038  | 12.42 |  |
| 28/ 12/ 92 | 1: 30  | 1023 | 27.957121 | 53.26716995 | 0.21196  | 56.991  | 19.42 |  |
| 28/ 12/ 92 | 1: 50  | 1023 | 27.879486 | 52.14022064 | 0.219667 | 53.501  | 16.06 |  |
| 28/ 12/ 92 | 2: 10  | 1023 | 27.879486 | 52.5909996  | 0.219667 | 33.259  | 18.86 |  |
| 28/ 12/ 92 | 2: 30  | 1023 | 27.698568 | 51.91482925 | 0.219667 | 28.024  | 11.3  |  |
| 28/ 12/ 92 | 2: 50  | 1023 | 27.698568 | 52.06509018 | 0.227374 | 29.769  | 10.18 |  |
| 28/ 12/ 92 | 3: 10  | 1023 | 27.67275  | 51.91482925 | 0.204253 | 38.145  | 8.92  |  |
| 28/ 12/ 92 | 3: 30  | 1023 | 27.595329 | 52.5909996  | 0.204253 | 45.474  | 8.5   |  |
| 28/ 12/ 92 | 3: 50  | 1023 | 27.492193 | 51.83969879 | 0.219667 | 41.635  | 8.36  |  |
| 28/ 12/ 92 | 4: 10  | 1023 | 27.517969 | 52.5909996  | 0.21196  | 73.394  | 10.18 |  |
| 28/ 12/ 92 | 4: 30  | 1023 | 27.492193 | 51.98995972 | 0.204253 | 42.682  | 10.46 |  |
| 28/ 12/ 92 | 4: 50  | 1023 | 27.440664 | 52.06509018 | 0.227374 | 35.353  | 10.04 |  |
| 28/ 12/ 92 | 5: 10  | 1023 | 27.414907 | 51.91482925 | 0.204253 | 44.078  | 8.92  |  |
| 28/ 12/ 92 | 5: 30  | 1023 | 27.389158 | 51.98995972 | 0.204253 | 38.145  | 8.08  |  |
| 28/ 12/ 92 | 5: 50  | 1023 | 27.363417 | 51.83969879 | 0.196546 | 30.118  | 7.52  |  |
| 28/ 12/ 92 | 6: 10  | 1023 | 27.337679 | 51.91482925 | 0.196546 | 71.3    | 7.38  |  |
| 28/ 12/ 92 | 6: 30  | 1023 | 27.311949 | 51.76457214 | 0.21196  | 48.964  | 7.24  |  |
| 28/ 12/ 92 | 6: 50  | 1023 | 27.311949 | 52.36561203 | 0.204253 | 58.736  | 6.82  |  |
| 28/ 12/ 92 | 7: 10  | 1023 | 27.311949 | 51.76457214 | 0.196546 | 78.978  | 6.54  |  |
| 28/ 12/ 92 | 7: 30  | 1023 | 27.311949 | 54.54438019 | 0.204253 | 235.679 | 5.7   |  |
| 28/ 12/ 92 | 7: 50  | 1023 | 27.337679 | 51.76457214 | 0.204253 | 212.645 | 5.42  |  |
| 28/ 12/ 92 | 8: 10  | 1023 | 27.337679 | 51.91482925 | 0.204253 | 231.491 | 4.72  |  |
| 28/ 12/ 92 | 8: 30  | 1023 | 27.337679 | 51.83969879 | 0.204253 | 253.129 | 4.44  |  |
| 28/ 12/ 92 | 8: 50  | 1023 | 27.337679 | 58.30088043 | 0.196546 | 254.874 | 5.28  |  |
| 28/ 12/ 92 | 9: 10  | 1023 | 27.363417 | 51.98995972 | 0.204253 | 257.666 | 4.3   |  |
| 28/ 12/ 92 | 9: 30  | 1023 | 27.311949 | 57.0236702  | 0.204253 | 238.122 | 5     |  |
| 28/ 12/ 92 | 9: 50  | 1023 | 27.414907 | 52.06509018 | 0.21196  | 219.974 | 4.58  |  |
| 28/ 12/ 92 | 10: 10 | 1023 | 27.414907 | 52.66613007 | 0.21196  | 238.471 | 4.72  |  |
| 28/ 12/ 92 | 10: 30 | 1023 | 27.414907 | 52.06509018 | 0.21196  | 257.317 | 5.14  |  |
| 28/ 12/ 92 | 10: 50 | 1023 | 27.414907 | 55.295681   | 0.219667 | 40.937  | 6.4   |  |
| 28/ 12/ 92 | 11: 10 | 1023 | 27.414907 | 51.98995972 | 0.219667 | 65.367  | 6.68  |  |
| 28/ 12/ 92 | 11: 30 | 1023 | 27.414907 | 56.79827881 | 0.219667 | 82.468  | 5.7   |  |
| 28/ 12/ 92 | 11: 50 | 1023 | 27.466425 | 51.91482925 | 0.227374 | 45.125  | 5.42  |  |
| 28/ 12/ 92 | 12: 10 | 1023 | 27.440664 | 54.09360123 | 0.235081 | 18.95   | 5.98  |  |
| 28/ 12/ 92 | 12: 30 | 1023 | 27.286226 | 50.56249237 | 0.235081 | 209.504 | 7.52  |  |
| 28/ 12/ 92 | 12: 50 | 1023 | 27.311949 | 51.53918076 | 0.235081 | 185.423 | 5     |  |
| 28/ 12/ 92 | 13: 10 | 1023 | 27.260508 | 51.23865891 | 0.242788 | 47.568  | 4.58  |  |
| 28/ 12/ 92 | 13: 30 | 1023 | 27.363417 | 56.72315216 | 0.235081 | 56.293  | 5     |  |
| 28/ 12/ 92 | 13: 50 | 1023 | 27.363417 | 51.38891983 | 0.235081 | 74.79   | 5.7   |  |
| 28/ 12/ 92 | 14: 10 | 1023 | 27.466425 | 53.71794891 | 0.242788 | 237.773 | 5.14  |  |
| 28/ 12/ 92 | 14: 30 | 1023 | 27.466425 | 51.76457214 | 0.242788 | 275.116 | 5.14  |  |
| 28/ 12/ 92 | 14: 50 | 1023 | 27.492193 | 57.54957962 | 0.242788 | 334.446 | 7.38  |  |
| 28/ 12/ 92 | 15: 10 | 1023 | 27.492193 | 51.91482925 | 0.235081 | 9.527   | 8.08  |  |
| 28/ 12/ 92 | 15: 30 | 1023 | 27.517969 | 55.295681   | 0.235081 | 15.46   | 7.66  |  |
| 28/ 12/ 92 | 15: 50 | 1023 | 27.595329 | 52.06509018 | 0.235081 | 38.843  | 9.06  |  |
| 28/ 12/ 92 | 16: 10 | 1023 | 27.595329 | 53.04178238 | 0.235081 | 40.937  | 12.14 |  |
| 28/ 12/ 92 | 16: 30 | 1023 | 27.62113  | 52.14022064 | 0.235081 | 40.588  | 12.28 |  |
| 28/ 12/ 92 | 16: 50 | 1023 | 27.827763 | 53.04178238 | 0.242788 | 43.38   | 14.38 |  |
| 28/ 12/ 92 | 17: 10 | 1023 | 27.801912 | 52.29048157 | 0.227374 | 38.843  | 20.4  |  |
| 28/ 12/ 92 | 17: 30 | 1023 | 27.827763 | 57.62471008 | 0.227374 | 47.917  | 19.28 |  |
| 28/ 12/ 92 | 17: 50 | 1023 | 27.827763 | 52.36561203 | 0.227374 | 43.729  | 19.7  |  |
| 28/ 12/ 92 | 18: 10 | 1023 | 27.853622 | 52.66613007 | 0.227374 | 41.635  | 21.66 |  |
| 28/ 12/ 92 | 18: 30 | 1023 | 27.931236 | 52.44073868 | 0.227374 | 44.427  | 25.3  |  |
| 28/ 12/ 92 | 18: 50 | 1023 | 27.931236 | 52.89152145 | 0.219667 | 44.078  | 25.58 |  |
| 28/ 12/ 92 | 19: 10 | 1023 | 27.905359 | 52.29048157 | 0.219667 | 45.823  | 22.5  |  |
| 28/ 12/ 92 | 19: 30 | 1023 | 27.879486 | 52.66613007 | 0.21196  | 33.608  | 18.72 |  |



|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 28/ 12/ 92 | 19: 50 | 1023 | 27.879486 | 52.44073868 | 0.21196  | 29.071  | 15.78 |  |
| 28/ 12/ 92 | 20: 10 | 1023 | 27.853622 | 53.49256134 | 0.204253 | 31.863  | 15.92 |  |
| 28/ 12/ 92 | 20: 30 | 1023 | 27.827763 | 52.29048157 | 0.204253 | 23.138  | 15.08 |  |
| 28/ 12/ 92 | 20: 50 | 1023 | 27.801912 | 52.51586914 | 0.204253 | 32.212  | 12.42 |  |
| 28/ 12/ 92 | 21: 10 | 1023 | 27.827763 | 52.2153511  | 0.196546 | 41.635  | 10.04 |  |
| 28/ 12/ 92 | 21: 30 | 1023 | 27.853622 | 53.11690903 | 0.196546 | 31.514  | 8.5   |  |
| 28/ 12/ 92 | 21: 50 | 1023 | 27.827763 | 52.36561203 | 0.196546 | 35.702  | 8.64  |  |
| 28/ 12/ 92 | 22: 10 | 1023 | 27.750227 | 52.36561203 | 0.181132 | 44.427  | 7.66  |  |
| 28/ 12/ 92 | 22: 30 | 1023 | 27.724396 | 52.14022064 | 0.188839 | 36.4    | 7.38  |  |
| 28/ 12/ 92 | 22: 50 | 1023 | 27.750227 | 52.51586914 | 0.188839 | 43.729  | 6.4   |  |
| 28/ 12/ 92 | 23: 10 | 1023 | 27.724396 | 52.2153511  | 0.196546 | 39.541  | 7.24  |  |
| 28/ 12/ 92 | 23: 30 | 1023 | 27.750227 | 54.39411926 | 0.196546 | 42.682  | 7.52  |  |
| 28/ 12/ 92 | 23: 50 | 1023 | 27.801912 | 52.36561203 | 0.196546 | 37.796  | 6.4   |  |
| 29/ 12/ 92 | 0: 10  | 1023 | 27.827763 | 52.74126053 | 0.196546 | 51.058  | 7.38  |  |
| 29/ 12/ 92 | 0: 30  | 1023 | 27.827763 | 52.44073868 | 0.196546 | 36.749  | 6.96  |  |
| 29/ 12/ 92 | 0: 50  | 1023 | 27.801912 | 55.59619904 | 0.196546 | 18.252  | 6.4   |  |
| 29/ 12/ 92 | 1: 10  | 1023 | 27.724396 | 52.2153511  | 0.196546 | 341.077 | 5.98  |  |
| 29/ 12/ 92 | 1: 30  | 1023 | 27.801912 | 52.5909996  | 0.196546 | 230.444 | 6.96  |  |
| 29/ 12/ 92 | 1: 50  | 1023 | 27.724396 | 52.2153511  | 0.196546 | 228.001 | 5.42  |  |
| 29/ 12/ 92 | 2: 10  | 1023 | 27.750227 | 52.81639099 | 0.204253 | 236.726 | 4.44  |  |
| 29/ 12/ 92 | 2: 30  | 1023 | 27.750227 | 52.29048157 | 0.204253 | 243.008 | 4.44  |  |
| 29/ 12/ 92 | 2: 50  | 1023 | 27.853622 | 54.39411926 | 0.204253 | 236.726 | 4.16  |  |
| 29/ 12/ 92 | 3: 10  | 1023 | 27.776066 | 52.44073868 | 0.21196  | 258.015 | 4.16  |  |
| 29/ 12/ 92 | 3: 30  | 1023 | 27.750227 | 53.04178238 | 0.219667 | 276.512 | 5     |  |
| 29/ 12/ 92 | 3: 50  | 1023 | 27.646936 | 52.2153511  | 0.219667 | 88.052  | 5.7   |  |
| 29/ 12/ 92 | 4: 10  | 1023 | 27.67275  | 52.51586914 | 0.219667 | 47.568  | 6.12  |  |
| 29/ 12/ 92 | 4: 30  | 1023 | 27.67275  | 52.2153511  | 0.227374 | 58.038  | 6.26  |  |
| 29/ 12/ 92 | 4: 50  | 1023 | 27.67275  | 53.04178238 | 0.227374 | 57.34   | 5.98  |  |
| 29/ 12/ 92 | 5: 10  | 1023 | 27.67275  | 52.2153511  | 0.235081 | 60.83   | 6.68  |  |
| 29/ 12/ 92 | 5: 30  | 1023 | 27.698568 | 52.36561203 | 0.235081 | 59.085  | 7.1   |  |
| 29/ 12/ 92 | 5: 50  | 1023 | 27.724396 | 52.14022064 | 0.235081 | 58.038  | 7.94  |  |
| 29/ 12/ 92 | 6: 10  | 1023 | 27.931236 | 52.5909996  | 0.235081 | 45.474  | 9.62  |  |
| 29/ 12/ 92 | 6: 30  | 1023 | 27.931236 | 52.44073868 | 0.235081 | 48.964  | 9.62  |  |
| 29/ 12/ 92 | 6: 50  | 1023 | 27.957121 | 52.89152145 | 0.235081 | 45.474  | 9.62  |  |
| 29/ 12/ 92 | 7: 10  | 1023 | 27.983013 | 49.28528214 | 0.235081 | 50.36   | 9.62  |  |
| 29/ 12/ 92 | 7: 30  | 1023 | 28.008911 | 49.28528214 | 0.235081 | 52.454  | 9.06  |  |
| 29/ 12/ 92 | 7: 50  | 1023 | 28.008911 | 53.11690903 | 0.235081 | 40.937  | 8.92  |  |
| 29/ 12/ 92 | 8: 10  | 1023 | 28.034815 | 53.26716995 | 0.235081 | 50.011  | 7.66  |  |
| 29/ 12/ 92 | 8: 30  | 1023 | 28.034815 | 53.11690903 | 0.227374 | 39.192  | 7.24  |  |
| 29/ 12/ 92 | 8: 50  | 1023 | 28.034815 | 54.39411926 | 0.227374 | 66.065  | 6.96  |  |
| 29/ 12/ 92 | 9: 10  | 1023 | 28.060726 | 53.11690903 | 0.227374 | 37.447  | 9.48  |  |
| 29/ 12/ 92 | 9: 30  | 1023 | 28.008911 | 53.41743088 | 0.227374 | 54.199  | 9.34  |  |
| 29/ 12/ 92 | 9: 50  | 1023 | 27.983013 | 53.19203949 | 0.227374 | 54.548  | 10.04 |  |
| 29/ 12/ 92 | 10: 10 | 1023 | 27.957121 | 50.78787994 | 0.219667 | 53.501  | 9.62  |  |
| 29/ 12/ 92 | 10: 30 | 1023 | 27.931236 | 49.51066971 | 0.21196  | 50.709  | 11.16 |  |
| 29/ 12/ 92 | 10: 50 | 1023 | 27.905359 | 53.26716995 | 0.21196  | 46.87   | 12.42 |  |
| 29/ 12/ 92 | 11: 10 | 1023 | 27.879486 | 53.11690903 | 0.21196  | 51.058  | 13.4  |  |
| 29/ 12/ 92 | 11: 30 | 1023 | 27.853622 | 54.69464111 | 0.204253 | 41.984  | 15.78 |  |
| 29/ 12/ 92 | 11: 50 | 1023 | 27.827763 | 53.11690903 | 0.204253 | 48.964  | 17.32 |  |
| 29/ 12/ 92 | 12: 10 | 1023 | 27.827763 | 53.49256134 | 0.204253 | 49.313  | 20.96 |  |
| 29/ 12/ 92 | 12: 30 | 1023 | 27.827763 | 52.96665192 | 0.196546 | 46.521  | 20.12 |  |
| 29/ 12/ 92 | 12: 50 | 1023 | 27.879486 | 53.19203949 | 0.196546 | 41.635  | 25.16 |  |
| 29/ 12/ 92 | 13: 10 | 1023 | 27.879486 | 52.74126053 | 0.196546 | 48.964  | 21.52 |  |
| 29/ 12/ 92 | 13: 30 | 1023 | 27.853622 | 53.04178238 | 0.196546 | 46.87   | 21.1  |  |
| 29/ 12/ 92 | 13: 50 | 1023 | 27.827763 | 52.5909996  | 0.188839 | 50.709  | 20.68 |  |
| 29/ 12/ 92 | 14: 10 | 1023 | 27.801912 | 52.74126053 | 0.188839 | 42.333  | 17.88 |  |

|            |        |      |           |             |          |         |       |  |
|------------|--------|------|-----------|-------------|----------|---------|-------|--|
| 29/ 12/ 92 | 14: 30 | 1023 | 27.879486 | 52.66613007 | 0.188839 | 47.219  | 13.26 |  |
| 29/ 12/ 92 | 14: 50 | 1023 | 27.827763 | 52.89152145 | 0.188839 | 45.474  | 11.44 |  |
| 29/ 12/ 92 | 15: 10 | 1023 | 27.853622 | 52.74126053 | 0.188839 | 55.246  | 9.34  |  |
| 29/ 12/ 92 | 15: 30 | 1023 | 27.827763 | 52.89152145 | 0.188839 | 49.313  | 7.24  |  |
| 29/ 12/ 92 | 15: 50 | 1023 | 27.827763 | 52.74126053 | 0.188839 | 44.776  | 6.68  |  |
| 29/ 12/ 92 | 16: 10 | 1023 | 27.750227 | 53.04178238 | 0.188839 | 44.776  | 5.56  |  |
| 29/ 12/ 92 | 16: 30 | 1023 | 27.724396 | 52.5909996  | 0.196546 | 252.78  | 5.7   |  |
| 29/ 12/ 92 | 16: 50 | 1023 | 27.724396 | 53.04178238 | 0.196546 | 241.961 | 4.72  |  |
| 29/ 12/ 92 | 17: 10 | 1023 | 27.67275  | 52.51586914 | 0.196546 | 238.122 | 5.56  |  |
| 29/ 12/ 92 | 17: 30 | 1023 | 27.724396 | 53.04178238 | 0.196546 | 228.001 | 10.32 |  |
| 29/ 12/ 92 | 17: 50 | 1023 | 27.67275  | 52.51586914 | 0.196546 | 236.028 | 12.7  |  |
| 29/ 12/ 92 | 18: 10 | 1023 | 27.776066 | 53.71794891 | 0.204253 | 243.008 | 5.84  |  |
| 29/ 12/ 92 | 18: 30 | 1023 | 27.827763 | 52.74126053 | 0.204253 | 56.991  | 4.86  |  |
| 29/ 12/ 92 | 18: 50 | 1023 | 27.724396 | 53.9433403  | 0.204253 | 54.548  | 9.9   |  |
| 29/ 12/ 92 | 19: 10 | 1023 | 27.801912 | 52.66613007 | 0.204253 | 48.266  | 17.04 |  |
| 29/ 12/ 92 | 19: 30 | 1023 | 27.776066 | 52.96665192 | 0.21196  | 47.219  | 24.18 |  |
| 29/ 12/ 92 | 19: 50 | 1023 | 27.801912 | 52.66613007 | 0.21196  | 45.474  | 31.32 |  |
| 29/ 12/ 92 | 20: 10 | 1023 | 27.776066 | 53.11690903 | 0.219667 | 43.38   | 34.96 |  |
| 29/ 12/ 92 | 20: 30 | 1023 | 27.776066 | 52.66613007 | 0.227374 | 44.776  | 36.08 |  |
| 29/ 12/ 92 | 20: 50 | 1023 | 27.724396 | 52.96665192 | 0.227374 | 46.87   | 37.34 |  |
| 29/ 12/ 92 | 21: 10 | 1023 | 27.724396 | 52.51586914 | 0.235081 | 45.474  | 36.08 |  |
| 29/ 12/ 92 | 21: 30 | 1023 | 27.776066 | 53.19203949 | 0.235081 | 46.172  | 34.12 |  |
| 29/ 12/ 92 | 21: 50 | 1023 | 27.801912 | 52.44073868 | 0.235081 | 49.313  | 34.68 |  |
| 29/ 12/ 92 | 22: 10 | 1023 | 27.827763 | 52.66613007 | 0.242788 | 46.87   | 37.2  |  |
| 29/ 12/ 92 | 22: 30 | 1023 | 27.853622 | 52.5909996  | 0.242788 | 44.078  | 39.3  |  |
| 29/ 12/ 92 | 22: 50 | 1023 | 27.853622 | 53.19203949 | 0.242788 | 32.212  | 32.86 |  |
| 29/ 12/ 92 | 23: 10 | 1023 | 28.164438 | 52.74126053 | 0.242788 | 250.686 | 16.2  |  |
| 29/ 12/ 92 | 23: 30 | 1023 | 27.776066 | 52.74126053 | 0.242788 | 222.068 | 27.82 |  |
| 29/ 12/ 92 | 23: 50 | 1023 | 27.853622 | 52.44073868 | 0.242788 | 222.766 | 28.24 |  |
| 30/ 12/ 92 | 0: 10  | 1023 | 27.750227 | 52.44073868 | 0.242788 | 220.323 | 23.34 |  |
| 30/ 12/ 92 | 0: 30  | 1023 | 27.750227 | 52.51586914 | 0.242788 | 226.954 | 8.64  |  |
| 30/ 12/ 92 | 0: 50  | 1023 | 28.060726 | 53.86820984 | 0.242788 | 75.139  | 3.04  |  |
| 30/ 12/ 92 | 1: 10  | 1023 | 28.086643 | 52.51586914 | 0.242788 | 68.159  | 8.08  |  |
| 30/ 12/ 92 | 1: 30  | 1023 | 28.24229  | 56.19723892 | 0.227374 | 57.34   | 16.48 |  |
| 30/ 12/ 92 | 1: 50  | 1023 | 28.216333 | 52.74126053 | 0.227374 | 48.266  | 26.28 |  |
| 30/ 12/ 92 | 2: 10  | 1023 | 28.346191 | 52.89152145 | 0.235081 | 46.172  | 37.34 |  |
| 30/ 12/ 92 | 2: 30  | 1023 | 28.216333 | 52.74126053 | 0.250495 | 45.474  | 45.74 |  |
| 30/ 12/ 92 | 2: 50  | 1023 | 28.086643 | 52.66613007 | 0.235081 | 47.219  | 50.92 |  |
| 30/ 12/ 92 | 3: 10  | 1023 | 28.086643 | 52.51586914 | 0.235081 | 44.427  | 46.16 |  |
| 30/ 12/ 92 | 3: 30  | 1023 | 28.060726 | 53.11690903 | 0.219667 | 38.843  | 43.36 |  |
| 30/ 12/ 92 | 3: 50  | 1023 | 28.060726 | 52.5909996  | 0.21196  | 40.588  | 37.62 |  |
| 30/ 12/ 92 | 4: 10  | 1023 | 28.1385   | 52.66613007 | 0.21196  | 40.588  | 43.64 |  |
| 30/ 12/ 92 | 4: 30  | 1023 | 28.164438 | 52.51586914 | 0.204253 | 43.729  | 36.08 |  |
| 30/ 12/ 92 | 4: 50  | 1023 | 28.24229  | 53.04178238 | 0.227374 | 40.239  | 55.12 |  |
| 30/ 12/ 92 | 5: 10  | 1023 | 28.294228 | 52.51586914 | 0.219667 | 40.588  | 56.1  |  |
| 30/ 12/ 92 | 5: 30  | 1023 | 28.320206 | 52.66613007 | 0.196546 | 43.729  | 56.8  |  |
| 30/ 12/ 92 | 5: 50  | 1023 | 28.320206 | 52.51586914 | 0.196546 | 42.682  | 46.44 |  |
| 30/ 12/ 92 | 6: 10  | 1023 | 28.320206 | 53.11690903 | 0.188839 | 42.682  | 47.56 |  |
| 30/ 12/ 92 | 6: 30  | 1023 | 28.294228 | 52.44073868 | 0.188839 | 38.843  | 35.8  |  |
| 30/ 12/ 92 | 6: 50  | 1023 | 28.294228 | 52.5909996  | 0.188839 | 44.776  | 31.04 |  |
| 30/ 12/ 92 | 7: 10  | 1023 | 28.294228 | 52.36561203 | 0.181132 | 44.427  | 30.76 |  |
| 30/ 12/ 92 | 7: 30  | 1023 | 28.268255 | 53.49256134 | 0.188839 | 43.38   | 26    |  |
| 30/ 12/ 92 | 7: 50  | 1023 | 28.24229  | 52.36561203 | 0.181132 | 43.031  | 17.88 |  |
| 30/ 12/ 92 | 8: 10  | 1023 | 28.294228 | 52.66613007 | 0.181132 | 45.474  | 14.66 |  |
| 30/ 12/ 92 | 8: 30  | 1023 | 28.294228 | 52.36561203 | 0.188839 | 60.132  | 9.2   |  |
| 30/ 12/ 92 | 8: 50  | 1023 | 28.24229  | 52.5909996  | 0.188839 | 256.968 | 4.44  |  |

|            |        |      |           |             |          |         |       |
|------------|--------|------|-----------|-------------|----------|---------|-------|
| 30/ 12/ 92 | 9: 10  | 1023 | 28.190382 | 52.29048157 | 0.196546 | 227.652 | 10.04 |
| 30/ 12/ 92 | 9: 30  | 1023 | 28.372183 | 52.36561203 | 0.196546 | 199.383 | 32.16 |
| 30/ 12/ 92 | 9: 50  | 1023 | 28.398182 | 52.44073868 | 0.196546 | 203.92  | 20.26 |
| 30/ 12/ 92 | 10: 10 | 1023 | 28.372183 | 54.24386215 | 0.196546 | 68.159  | 3.18  |
| 30/ 12/ 92 | 10: 30 | 1023 | 28.372183 | 52.2153511  | 0.204253 | 72.696  | 7.24  |
| 30/ 12/ 92 | 10: 50 | 1023 | 28.398182 | 52.74126053 | 0.204253 | 51.407  | 14.38 |
| 30/ 12/ 92 | 11: 10 | 1023 | 28.398182 | 52.2153511  | 0.204253 | 47.568  | 24.74 |
| 30/ 12/ 92 | 11: 30 | 1023 | 28.424187 | 52.44073868 | 0.21196  | 51.058  | 38.18 |
| 30/ 12/ 92 | 11: 50 | 1023 | 28.424187 | 52.36561203 | 0.219667 | 43.729  | 47.7  |
| 30/ 12/ 92 | 12: 10 | 1023 | 28.450199 | 52.51586914 | 0.219667 | 40.239  | 43.36 |
| 30/ 12/ 92 | 12: 30 | 1023 | 28.476219 | 52.44073868 | 0.219667 | 43.38   | 38.04 |
| 30/ 12/ 92 | 12: 50 | 1023 | 28.502245 | 57.09880066 | 0.227374 | 41.635  | 37.76 |
| 30/ 12/ 92 | 13: 10 | 1023 | 28.502245 | 52.44073868 | 0.227374 | 45.125  | 40.98 |
| 30/ 12/ 92 | 13: 30 | 1023 | 28.502245 | 53.04178238 | 0.227374 | 45.474  | 33    |
| 30/ 12/ 92 | 13: 50 | 1023 | 28.528278 | 52.44073868 | 0.227374 | 43.38   | 31.6  |
| 30/ 12/ 92 | 14: 10 | 1023 | 28.450199 | 52.5909996  | 0.227374 | 42.682  | 32.44 |
| 30/ 12/ 92 | 14: 30 | 1023 | 28.450199 | 52.29048157 | 0.227374 | 46.87   | 29.08 |
| 30/ 12/ 92 | 14: 50 | 1023 | 28.502245 | 52.51586914 | 0.227374 | 44.776  | 26.84 |
| 30/ 12/ 92 | 15: 10 | 1023 | 28.502245 | 52.29048157 | 0.227374 | 38.145  | 31.04 |
| 30/ 12/ 92 | 15: 30 | 1023 | 28.476219 | 52.36561203 | 0.235081 | 46.521  | 21.38 |
| 30/ 12/ 92 | 15: 50 | 1023 | 28.502245 | 52.36561203 | 0.235081 | 48.964  | 12.14 |
| 30/ 12/ 92 | 16: 10 | 1023 | 28.841213 | 52.96665192 | 0.227374 | 66.763  | 8.92  |
| 30/ 12/ 92 | 16: 30 | 1023 | 28.815098 | 52.5909996  | 0.227374 | 27.326  | 5.28  |
| 30/ 12/ 92 | 16: 50 | 1023 | 28.971903 | 53.71794891 | 0.235081 | 302.687 | 3.74  |
| 30/ 12/ 92 | 17: 10 | 1023 | 28.867338 | 52.81639099 | 0.227374 | 238.471 | 4.58  |
| 30/ 12/ 92 | 17: 30 | 1023 | 29.076582 | 53.19203949 | 0.227374 | 237.424 | 8.22  |
| 30/ 12/ 92 | 17: 50 | 1023 | 28.945751 | 52.51586914 | 0.227374 | 231.142 | 28.1  |
| 30/ 12/ 92 | 18: 10 | 1023 | 28.762886 | 52.14022064 | 0.227374 | 206.363 | 31.74 |
| 30/ 12/ 92 | 18: 30 | 1023 | 28.606419 | 52.14022064 | 0.227374 | 21.044  | 11.02 |
| 30/ 12/ 92 | 18: 50 | 1023 | 28.762886 | 52.44073868 | 0.21196  | 54.199  | 6.54  |
| 30/ 12/ 92 | 19: 10 | 1023 | 28.73679  | 52.2153511  | 0.21196  | 36.749  | 10.74 |
| 30/ 12/ 92 | 19: 30 | 1023 | 28.788988 | 52.74126053 | 0.21196  | 36.051  | 24.88 |
| 30/ 12/ 92 | 19: 50 | 1023 | 29.024227 | 52.2153511  | 0.204253 | 48.266  | 34.96 |
| 30/ 12/ 92 | 20: 10 | 1023 | 28.867338 | 59.20244217 | 0.204253 | 39.89   | 34.96 |
| 30/ 12/ 92 | 20: 30 | 1023 | 28.919605 | 52.5909996  | 0.196546 | 37.098  | 35.24 |
| 30/ 12/ 92 | 20: 50 | 1023 | 28.893469 | 54.09360123 | 0.196546 | 42.333  | 41.26 |
| 30/ 12/ 92 | 21: 10 | 1023 | 28.919605 | 52.74126053 | 0.196546 | 44.078  | 42.38 |
| 30/ 12/ 92 | 21: 30 | 1023 | 28.945751 | 53.41743088 | 0.196546 | 40.239  | 39.16 |
| 30/ 12/ 92 | 21: 50 | 1023 | 28.841213 | 52.5909996  | 0.188839 | 37.796  | 36.78 |
| 30/ 12/ 92 | 22: 10 | 1023 | 28.867338 | 53.11690903 | 0.188839 | 44.427  | 36.08 |
| 30/ 12/ 92 | 22: 30 | 1023 | 28.945751 | 52.89152145 | 0.181132 | 46.521  | 32.16 |
| 30/ 12/ 92 | 22: 50 | 1023 | 28.919605 | 57.0236702  | 0.181132 | 50.709  | 27.68 |
| 30/ 12/ 92 | 23: 10 | 1023 | 28.867338 | 52.74126053 | 0.181132 | 51.058  | 26    |
| 30/ 12/ 92 | 23: 30 | 1023 | 28.867338 | 52.81639099 | 0.181132 | 42.682  | 18.44 |
| 30/ 12/ 92 | 23: 50 | 1023 | 28.867338 | 52.74126053 | 0.181132 | 35.353  | 11.3  |
| 31/12/92   | 0: 10  | 1023 | 28.815098 | 52.89152145 | 0.181132 | 44.078  | 7.1   |
| 31/12/92   | 0: 30  | 1023 | 28.710701 | 52.5909996  | 0.181132 | 52.803  | 5     |
| 31/12/92   | 0: 50  | 1023 | 28.68462  | 52.66613007 | 0.181132 | 61.877  | 4.3   |
| 31/12/92   | 1: 10  | 1023 | 28.68462  | 52.5909996  | 0.181132 | 95.73   | 3.32  |
| 31/12/92   | 1: 30  | 1023 | 28.632479 | 52.66613007 | 0.188839 | 299.197 | 2.9   |
| 31/12/92   | 1: 50  | 1023 | 28.606419 | 52.5909996  | 0.188839 | 259.411 | 3.46  |
| 31/12/92   | 2: 10  | 1023 | 28.554317 | 52.5909996  | 0.196546 | 255.572 | 7.94  |
| 31/12/92   | 2: 30  | 1023 | 28.450199 | 52.44073868 | 0.196546 | 219.974 | 22.22 |
| 31/12/92   | 2: 50  | 1023 | 28.450199 | 52.44073868 | 0.204253 | 163.087 | 5.14  |
| 31/12/92   | 3: 10  | 1023 | 28.398182 | 52.2153511  | 0.204253 | 60.132  | 5     |
| 31/12/92   | 3: 30  | 1023 | 28.398182 | 52.29048157 | 0.204253 | 51.058  | 20.26 |

|          |        |      |           |             |          |         |       |  |
|----------|--------|------|-----------|-------------|----------|---------|-------|--|
| 31/12/92 | 3: 50  | 1023 | 28.294228 | 52.06509018 | 0.204253 | 59.085  | 26.14 |  |
| 31/12/92 | 4: 10  | 1023 | 28.424187 | 52.44073868 | 0.204253 | 53.501  | 28.66 |  |
| 31/12/92 | 4: 30  | 1023 | 28.398182 | 52.2153511  | 0.21196  | 55.246  | 30.9  |  |
| 31/12/92 | 4: 50  | 1023 | 28.424187 | 52.44073868 | 0.219667 | 45.474  | 30.76 |  |
| 31/12/92 | 5: 10  | 1023 | 28.424187 | 52.2153511  | 0.219667 | 35.353  | 32.86 |  |
| 31/12/92 | 5: 30  | 1023 | 28.424187 | 52.5909996  | 0.219667 | 50.36   | 35.24 |  |
| 31/12/92 | 5: 50  | 1023 | 28.424187 | 52.36561203 | 0.227374 | 48.615  | 37.76 |  |
| 31/12/92 | 6: 10  | 1023 | 28.450199 | 52.51586914 | 0.227374 | 37.098  | 39.86 |  |
| 31/12/92 | 6: 30  | 1023 | 28.502245 | 52.44073868 | 0.227374 | 38.494  | 36.92 |  |
| 31/12/92 | 6: 50  | 1023 | 28.502245 | 52.51586914 | 0.227374 | 48.615  | 35.38 |  |
| 31/12/92 | 7: 10  | 1023 | 28.632479 | 52.51586914 | 0.227374 | 39.192  | 30.62 |  |
| 31/12/92 | 7: 30  | 1023 | 28.554317 | 52.44073868 | 0.227374 | 47.219  | 24.6  |  |
| 31/12/92 | 7: 50  | 1023 | 28.580364 | 52.44073868 | 0.235081 | 52.803  | 22.08 |  |
| 31/12/92 | 8: 10  | 1023 | 28.554317 | 52.66613007 | 0.235081 | 40.937  | 21.8  |  |
| 31/12/92 | 8: 30  | 1023 | 29.050402 | 52.96665192 | 0.235081 | 71.998  | 12    |  |
| 31/12/92 | 8: 50  | 1023 | 29.10277  | 53.04178238 | 0.235081 | 92.938  | 6.26  |  |
| 31/12/92 | 9: 10  | 1023 | 29.207592 | 53.11690903 | 0.235081 | 280.351 | 3.46  |  |
| 31/12/92 | 9: 30  | 1023 | 29.207592 | 53.19203949 | 0.235081 | 239.518 | 3.18  |  |
| 31/12/92 | 9: 50  | 1023 | 29.155167 | 52.96665192 | 0.235081 | 237.773 | 5.42  |  |
| 31/12/92 | 10: 10 | 1023 | 29.155167 | 53.11690903 | 0.227374 | 256.27  | 7.24  |  |
| 31/12/92 | 10: 30 | 1023 | 29.39131  | 53.19203949 | 0.227374 | 246.847 | 14.38 |  |
| 31/12/92 | 10: 50 | 1023 | 29.260046 | 53.04178238 | 0.227374 | 239.169 | 11.44 |  |
| 31/12/92 | 11: 10 | 1023 | 29.128963 | 52.89152145 | 0.219667 | 252.78  | 3.46  |  |
| 31/12/92 | 11: 30 | 1023 | 29.128963 | 52.74126053 | 0.21196  | 156.107 | 5.84  |  |
| 31/12/92 | 11: 50 | 1023 | 29.024227 | 53.04178238 | 0.21196  | 58.038  | 6.68  |  |
| 31/12/92 | 12: 10 | 1023 | 28.971903 | 53.11690903 | 0.204253 | 58.736  | 17.32 |  |
| 31/12/92 | 12: 30 | 1023 | 28.788988 | 52.81639099 | 0.196546 | 55.246  | 20.12 |  |
| 31/12/92 | 12: 50 | 1023 | 28.632479 | 52.89152145 | 0.196546 | 47.917  | 22.78 |  |
| 31/12/92 | 13: 10 | 1023 | 28.632479 | 52.81639099 | 0.188839 | 45.823  | 23.2  |  |
| 31/12/92 | 13: 30 | 1023 | 28.658546 | 53.04178238 | 0.188839 | 52.454  | 27.54 |  |
| 31/12/92 | 13: 50 | 1023 | 28.73679  | 52.81639099 | 0.188839 | 43.38   | 33.28 |  |
| 31/12/92 | 14: 10 | 1023 | 28.815098 | 55.89672089 | 0.181132 | 58.736  | 35.1  |  |
| 31/12/92 | 14: 30 | 1023 | 28.710701 | 52.44073868 | 0.181132 | 48.266  | 30.48 |  |
| 31/12/92 | 14: 50 | 1023 | 28.841213 | 53.49256134 | 0.173425 | 45.474  | 24.6  |  |
| 31/12/92 | 15: 10 | 1023 | 28.762886 | 52.74126053 | 0.173425 | 44.427  | 16.9  |  |
| 31/12/92 | 15: 30 | 1023 | 28.788988 | 54.09360123 | 0.173425 | 45.125  | 11.72 |  |
| 31/12/92 | 15: 50 | 1023 | 28.73679  | 52.74126053 | 0.173425 | 46.172  | 11.44 |  |
| 31/12/92 | 16: 10 | 1023 | 28.68462  | 53.04178238 | 0.173425 | 45.823  | 8.78  |  |
| 31/12/92 | 16: 30 | 1023 | 28.658546 | 52.66613007 | 0.173425 | 53.501  | 7.94  |  |
| 31/12/92 | 16: 50 | 1023 | 28.710701 | 53.71794891 | 0.181132 | 53.501  | 10.46 |  |
| 31/12/92 | 17: 10 | 1023 | 28.710701 | 52.74126053 | 0.181132 | 57.34   | 7.8   |  |
| 31/12/92 | 17: 30 | 1023 | 28.73679  | 53.64282227 | 0.181132 | 54.897  | 8.5   |  |
| 31/12/92 | 17: 50 | 1023 | 28.73679  | 52.81639099 | 0.188839 | 75.837  | 5.28  |  |
| 31/12/92 | 18: 10 | 1023 | 28.710701 | 53.34230042 | 0.188839 | 44.078  | 3.18  |  |
| 31/12/92 | 18: 30 | 1023 | 28.68462  | 52.81639099 | 0.196546 | 272.673 | 4.02  |  |
| 31/12/92 | 18: 50 | 1023 | 28.502245 | 53.11690903 | 0.204253 | 222.068 | 22.36 |  |
| 31/12/92 | 19: 10 | 1023 | 28.164438 | 52.44073868 | 0.204253 | 187.168 | 16.9  |  |
| 31/12/92 | 19: 30 | 1023 | 28.216333 | 52.81639099 | 0.204253 | 65.367  | 7.52  |  |
| 31/12/92 | 19: 50 | 1023 | 28.216333 | 52.36561203 | 0.235081 | 41.984  | 43.22 |  |
| 31/12/92 | 20: 10 | 1023 | 28.268255 | 53.04178238 | 0.281323 | 46.172  | 69.82 |  |
| 31/12/92 | 20: 30 | 1023 | 28.216333 | 52.44073868 | 0.358393 | 41.635  | 89.98 |  |
| 31/12/92 | 20: 50 | 1023 | 28.216333 | 52.96665192 | 0.28903  | 42.333  | 96.7  |  |
| 31/12/92 | 21: 10 | 1023 | 28.320206 | 52.44073868 | 0.258202 | 46.172  | 75.84 |  |
| 31/12/92 | 21: 30 | 1023 | 28.372183 | 53.5676918  | 0.235081 | 54.199  | 56.94 |  |
| 31/12/92 | 21: 50 | 1023 | 28.398182 | 52.51586914 | 0.235081 | 43.729  | 46.02 |  |
| 31/12/92 | 22: 10 | 1023 | 28.450199 | 53.49256134 | 0.235081 | 47.917  | 38.74 |  |



|          |        |      |           |             |          |          |       |
|----------|--------|------|-----------|-------------|----------|----------|-------|
| 31/12/92 | 22: 30 | 1023 | 28.528278 | 52.5909996  | 0.235081 | 45.474   | 32.44 |
| 31/12/92 | 22: 50 | 1023 | 28.710701 | 57.69984055 | 0.235081 | 33.957   | 27.4  |
| 31/12/92 | 23: 10 | 1023 | 28.971903 | 53.19203949 | 0.235081 | 48.964   | 33.42 |
| 31/12/92 | 23: 30 | 1023 | 28.893469 | 53.71794891 | 0.227374 | 54.199   | 28.38 |
| 31/12/92 | 23: 50 | 0    | 28.815098 | 53.11690903 | 0.235081 | 66.763   | 22.64 |
| 1/01/93  | 0: 10  | 0    | 29.076582 | 53.34230042 | 0.235081 | 48.615   | 22.36 |
| 1/01/93  | 0: 30  | 1023 | 28.919605 | 53.04178238 | 0.235081 | 60.132   | 19.98 |
| 1/01/93  | 0: 50  | 1023 | 28.867338 | 53.11690903 | 0.235081 | 55.246   | 16.34 |
| 1/01/93  | 1: 10  | 1023 | 28.815098 | 52.89152145 | 0.235081 | 60.83    | 14.38 |
| 1/01/93  | 1: 30  | 1023 | 28.762886 | 52.96665192 | 0.235081 | 58.038   | 11.02 |
| 1/01/93  | 1: 50  | 1023 | 28.788988 | 52.96665192 | 0.235081 | 108.294  | 4.72  |
| 1/01/93  | 2: 10  | 1023 | 28.867338 | 53.04178238 | 0.235081 | 266.042  | 4.16  |
| 1/01/93  | 2: 30  | 1023 | 28.73679  | 52.81639099 | 0.235081 | 242.31   | 13.12 |
| 1/01/93  | 2: 50  | 1023 | 28.893469 | 53.34230042 | 0.235081 | 230.444  | 29.36 |
| 1/01/93  | 3: 10  | 1023 | 28.606419 | 52.66613007 | 0.227374 | 222.417  | 33.98 |
| 1/01/93  | 3: 30  | 1023 | 28.815098 | 52.44073868 | 0.219667 | 211.947  | 14.24 |
| 1/01/93  | 3: 50  | 1023 | 28.658546 | 52.66613007 | 0.21196  | 271.975  | 8.78  |
| 1/01/93  | 4: 10  | 1023 | 28.893469 | 52.96665192 | 0.21196  | 106.2    | 5.56  |
| 1/01/93  | 4: 30  | 1023 | 28.945751 | 52.44073868 | 0.204253 | 70.60201 | 10.6  |
| 1/01/93  | 4: 50  | 1023 | 28.867338 | 56.79827881 | 0.196546 | 68.857   | 7.8   |
| 1/01/93  | 5: 10  | 1023 | 28.919605 | 53.04178238 | 0.188839 | 168.671  | 4.3   |
| 1/01/93  | 5: 30  | 1023 | 28.815098 | 56.49776077 | 0.188839 | 30.816   | 5.84  |
| 1/01/93  | 5: 50  | 1023 | 28.815098 | 52.74126053 | 0.181132 | 43.38    | 16.62 |
| 1/01/93  | 6: 10  | 1023 | 28.762886 | 54.69464111 | 0.181132 | 44.776   | 26.42 |
| 1/01/93  | 6: 30  | 1023 | 28.893469 | 52.5909996  | 0.188839 | 43.38    | 35.1  |
| 1/01/93  | 6: 50  | 1023 | 29.024227 | 54.24386215 | 0.181132 | 46.521   | 48.82 |
| 1/01/93  | 7: 10  | 1023 | 28.998062 | 52.81639099 | 0.181132 | 47.219   | 43.64 |
| 1/01/93  | 7: 30  | 1023 | 29.024227 | 53.5676918  | 0.173425 | 45.823   | 36.92 |
| 1/01/93  | 7: 50  | 1023 | 28.893469 | 52.74126053 | 0.173425 | 39.89    | 27.68 |
| 1/01/93  | 8: 10  | 1023 | 28.919605 | 53.04178238 | 0.173425 | 45.474   | 21.8  |
| 1/01/93  | 8: 30  | 1023 | 28.893469 | 52.89152145 | 0.173425 | 48.964   | 24.6  |
| 1/01/93  | 8: 50  | 1023 | 28.893469 | 53.64282227 | 0.181132 | 45.823   | 24.74 |
| 1/01/93  | 9: 10  | 1023 | 28.893469 | 52.96665192 | 0.181132 | 39.192   | 16.62 |
| 1/01/93  | 9: 30  | 1023 | 28.815098 | 53.19203949 | 0.181132 | 55.595   | 9.48  |
| 1/01/93  | 9: 50  | 1023 | 28.762886 | 52.81639099 | 0.181132 | 59.085   | 3.6   |
| 1/01/93  | 10: 10 | 1023 | 28.762886 | 54.99515915 | 0.188839 | 246.847  | 2.9   |
| 1/01/93  | 10: 30 | 1023 | 28.580364 | 52.5909996  | 0.196546 | 232.538  | 6.54  |
| 1/01/93  | 10: 50 | 1023 | 28.658546 | 53.79307938 | 0.204253 | 221.37   | 17.04 |
| 1/01/93  | 11: 10 | 1023 | 28.372183 | 52.44073868 | 0.204253 | 224.86   | 32.16 |
| 1/01/93  | 11: 30 | 1023 | 28.346191 | 54.3189888  | 0.204253 | 205.316  | 33.14 |
| 1/01/93  | 11: 50 | 1023 | 28.424187 | 52.2153511  | 0.219667 | 223.464  | 40.14 |
| 1/01/93  | 12: 10 | 1023 | 28.372183 | 53.79307938 | 0.21196  | 317.345  | 17.88 |
| 1/01/93  | 12: 30 | 1023 | 28.398182 | 52.36561203 | 0.219667 | 40.937   | 10.18 |
| 1/01/93  | 12: 50 | 1023 | 28.398182 | 54.99515915 | 0.219667 | 39.541   | 29.5  |
| 1/01/93  | 13: 10 | 1023 | 28.424187 | 52.2153511  | 0.235081 | 41.984   | 42.1  |
| 1/01/93  | 13: 30 | 1023 | 28.502245 | 52.81639099 | 0.227374 | 43.38    | 47.42 |
| 1/01/93  | 13: 50 | 1023 | 28.710701 | 52.51586914 | 0.227374 | 52.454   | 31.6  |
| 1/01/93  | 14: 10 | 1023 | 28.632479 | 52.96665192 | 0.227374 | 46.87    | 34.68 |
| 1/01/93  | 14: 30 | 1023 | 28.606419 | 52.44073868 | 0.235081 | 45.474   | 38.32 |
| 1/01/93  | 14: 50 | 1023 | 28.658546 | 54.99515915 | 0.227374 | 45.474   | 35.8  |
| 1/01/93  | 15: 10 | 1023 | 28.632479 | 52.44073868 | 0.235081 | 52.803   | 35.94 |
| 1/01/93  | 15: 30 | 1023 | 28.73679  | 54.46924973 | 0.227374 | 49.313   | 30.9  |
| 1/01/93  | 15: 50 | 1023 | 28.815098 | 52.66613007 | 0.227374 | 46.172   | 27.82 |
| 1/01/93  | 16: 10 | 1023 | 28.788988 | 54.3189888  | 0.235081 | 39.89    | 22.22 |
| 1/01/93  | 16: 30 | 1023 | 28.762886 | 52.81639099 | 0.235081 | 54.897   | 18.58 |
| 1/01/93  | 16: 50 | 1023 | 28.867338 | 57.69984055 | 0.235081 | 51.407   | 15.08 |

|         |        |      |           |             |          |         |       |
|---------|--------|------|-----------|-------------|----------|---------|-------|
| 1/01/93 | 17: 10 | 1023 | 28.867338 | 52.81639099 | 0.235081 | 45.125  | 11.72 |
| 1/01/93 | 17: 30 | 1023 | 28.867338 | 53.9433403  | 0.242788 | 50.36   | 7.52  |
| 1/01/93 | 17: 50 | 1023 | 28.867338 | 52.89152145 | 0.242788 | 54.199  | 5.56  |
| 1/01/93 | 18: 10 | 1023 | 28.893469 | 53.86820984 | 0.242788 | 7.084   | 4.16  |
| 1/01/93 | 18: 30 | 1023 | 28.893469 | 52.74126053 | 0.242788 | 246.498 | 5.7   |
| 1/01/93 | 18: 50 | 1023 | 28.893469 | 54.39411926 | 0.242788 | 225.907 | 21.8  |
| 1/01/93 | 19: 10 | 1023 | 28.788988 | 52.5909996  | 0.242788 | 218.927 | 34.96 |
| 1/01/93 | 19: 30 | 1023 | 28.710701 | 52.81639099 | 0.227374 | 232.189 | 32.72 |
| 1/01/93 | 19: 50 | 1023 | 28.658546 | 52.51586914 | 0.227374 | 231.84  | 17.88 |
| 1/01/93 | 20: 10 | 1023 | 28.632479 | 55.295681   | 0.219667 | 236.726 | 6.68  |
| 1/01/93 | 20: 30 | 1023 | 28.68462  | 52.51586914 | 0.21196  | 181.933 | 2.34  |
| 1/01/93 | 20: 50 | 1023 | 28.68462  | 52.89152145 | 0.204253 | 58.736  | 4.86  |
| 1/01/93 | 21: 10 | 1023 | 28.658546 | 52.51586914 | 0.196546 | 41.286  | 10.04 |
| 1/01/93 | 21: 30 | 1023 | 28.658546 | 55.82159042 | 0.196546 | 33.608  | 17.46 |
| 1/01/93 | 21: 50 | 1023 | 28.68462  | 52.44073868 | 0.196546 | 37.098  | 31.46 |
| 1/01/93 | 22: 10 | 1023 | 28.710701 | 53.49256134 | 0.196546 | 48.964  | 41.96 |
| 1/01/93 | 22: 30 | 1023 | 28.710701 | 52.66613007 | 0.188839 | 41.984  | 45.04 |
| 1/01/93 | 22: 50 | 1023 | 28.710701 | 53.34230042 | 0.188839 | 55.246  | 42.38 |
| 1/01/93 | 23: 10 | 1023 | 28.73679  | 52.51586914 | 0.181132 | 43.031  | 34.82 |
| 1/01/93 | 23: 30 | 1023 | 28.73679  | 53.64282227 | 0.181132 | 56.991  | 27.12 |
| 1/01/93 | 23: 50 | 1023 | 28.815098 | 52.5909996  | 0.181132 | 48.266  | 31.32 |
| 2/01/93 | 0: 10  | 1023 | 28.788988 | 54.61951065 | 0.181132 | 45.474  | 29.78 |
| 2/01/93 | 0: 30  | 1023 | 28.815098 | 52.81639099 | 0.181132 | 51.058  | 27.4  |
| 2/01/93 | 0: 50  | 1023 | 28.815098 | 53.79307938 | 0.181132 | 54.897  | 22.08 |
| 2/01/93 | 1: 10  | 1023 | 28.788988 | 52.74126053 | 0.181132 | 41.635  | 17.46 |
| 2/01/93 | 1: 30  | 1023 | 28.815098 | 53.19203949 | 0.181132 | 45.823  | 14.38 |
| 2/01/93 | 1: 50  | 1023 | 28.762886 | 52.66613007 | 0.181132 | 40.588  | 13.68 |
| 2/01/93 | 2: 10  | 1023 | 28.762886 | 53.04178238 | 0.188839 | 52.454  | 12.28 |
| 2/01/93 | 2: 30  | 1023 | 28.762886 | 52.74126053 | 0.196546 | 62.226  | 6.54  |
| 2/01/93 | 2: 50  | 1023 | 28.762886 | 53.04178238 | 0.196546 | 177.047 | 3.04  |
| 2/01/93 | 3: 10  | 1023 | 28.788988 | 52.74126053 | 0.196546 | 219.974 | 2.34  |
| 2/01/93 | 3: 30  | 1023 | 28.710701 | 53.26716995 | 0.204253 | 239.518 | 4.58  |
| 2/01/93 | 3: 50  | 1023 | 28.762886 | 52.5909996  | 0.219667 | 223.115 | 31.46 |
| 2/01/93 | 4: 10  | 1023 | 28.710701 | 57.69984055 | 0.21196  | 227.303 | 36.08 |
| 2/01/93 | 4: 30  | 1023 | 28.580364 | 52.5909996  | 0.21196  | 41.635  | 7.38  |
| 2/01/93 | 4: 50  | 1023 | 28.580364 | 52.89152145 | 0.227374 | 50.011  | 36.64 |
| 2/01/93 | 5: 10  | 1023 | 28.658546 | 52.44073868 | 0.250495 | 49.662  | 60.44 |
| 2/01/93 | 5: 30  | 1023 | 28.606419 | 53.34230042 | 0.227374 | 51.407  | 54.98 |
| 2/01/93 | 5: 50  | 1023 | 28.658546 | 52.5909996  | 0.227374 | 51.756  | 39.3  |
| 2/01/93 | 6: 10  | 1023 | 28.73679  | 59.20244217 | 0.219667 | 46.172  | 32.02 |
| 2/01/93 | 6: 30  | 1023 | 28.710701 | 52.81639099 | 0.227374 | 42.682  | 31.46 |
| 2/01/93 | 6: 50  | 1023 | 28.710701 | 56.94853973 | 0.227374 | 40.588  | 35.8  |
| 2/01/93 | 7: 10  | 1023 | 28.815098 | 52.51586914 | 0.227374 | 45.125  | 33    |
| 2/01/93 | 7: 30  | 1023 | 28.815098 | 60.70503998 | 0.227374 | 44.776  | 31.18 |
| 2/01/93 | 7: 50  | 1023 | 28.815098 | 52.5909996  | 0.227374 | 44.427  | 32.3  |
| 2/01/93 | 8: 10  | 1023 | 28.867338 | 53.79307938 | 0.227374 | 42.333  | 26    |
| 2/01/93 | 8: 30  | 1023 | 28.788988 | 52.81639099 | 0.227374 | 42.682  | 22.36 |
| 2/01/93 | 8: 50  | 1023 | 28.893469 | 53.26716995 | 0.227374 | 53.501  | 18.02 |
| 2/01/93 | 9: 10  | 1023 | 28.971903 | 52.96665192 | 0.227374 | 53.152  | 14.38 |
| 2/01/93 | 9: 30  | 1023 | 29.024227 | 53.19203949 | 0.227374 | 49.662  | 14.52 |
| 2/01/93 | 9: 50  | 1023 | 28.945751 | 52.96665192 | 0.235081 | 43.38   | 19.7  |
| 2/01/93 | 10: 10 | 1023 | 28.971903 | 53.19203949 | 0.235081 | 50.011  | 26.84 |
| 2/01/93 | 10: 30 | 1023 | 28.893469 | 52.81639099 | 0.235081 | 41.984  | 21.94 |
| 2/01/93 | 10: 50 | 1023 | 28.841213 | 53.5676918  | 0.227374 | 37.796  | 8.36  |
| 2/01/93 | 11: 10 | 1023 | 28.893469 | 52.81639099 | 0.227374 | 244.404 | 5     |
| 2/01/93 | 11: 30 | 1023 | 28.998062 | 55.22055054 | 0.242788 | 223.464 | 29.08 |



|         |        |      |           |             |          |         |        |  |
|---------|--------|------|-----------|-------------|----------|---------|--------|--|
| 2/01/93 | 11: 50 | 1023 | 28.73679  | 52.5909996  | 0.235081 | 220.323 | 58.34  |  |
| 2/01/93 | 12: 10 | 1023 | 28.68462  | 57.62471008 | 0.219667 | 231.142 | 23.48  |  |
| 2/01/93 | 12: 30 | 1023 | 28.632479 | 52.51586914 | 0.219667 | 184.376 | 5.56   |  |
| 2/01/93 | 12: 50 | 1023 | 28.450199 | 58.90192032 | 0.21196  | 62.226  | 7.66   |  |
| 2/01/93 | 13: 10 | 1023 | 28.68462  | 52.66613007 | 0.21196  | 51.058  | 30.06  |  |
| 2/01/93 | 13: 30 | 1023 | 28.606419 | 55.82159042 | 0.227374 | 51.058  | 53.3   |  |
| 2/01/93 | 13: 50 | 1023 | 28.580364 | 52.74126053 | 0.204253 | 53.501  | 55.54  |  |
| 2/01/93 | 14: 10 | 1023 | 28.580364 | 53.79307938 | 0.196546 | 54.548  | 34.82  |  |
| 2/01/93 | 14: 30 | 1023 | 28.528278 | 52.5909996  | 0.188839 | 51.407  | 27.96  |  |
| 2/01/93 | 14: 50 | 1023 | 28.528278 | 53.26716995 | 0.188839 | 47.917  | 31.32  |  |
| 2/01/93 | 15: 10 | 1023 | 28.554317 | 52.51586914 | 0.181132 | 47.568  | 30.2   |  |
| 2/01/93 | 15: 30 | 1023 | 28.554317 | 57.0236702  | 0.181132 | 39.89   | 31.74  |  |
| 2/01/93 | 15: 50 | 1023 | 28.580364 | 52.74126053 | 0.181132 | 51.058  | 30.62  |  |
| 2/01/93 | 16: 10 | 1023 | 28.606419 | 56.34749985 | 0.181132 | 44.776  | 26.84  |  |
| 2/01/93 | 16: 30 | 1023 | 28.606419 | 52.74126053 | 0.181132 | 41.635  | 23.9   |  |
| 2/01/93 | 16: 50 | 0    | 9.9559994 | 0           | -0.4046  | 1.5     | 1.5    |  |
| 2/01/93 | 17: 10 | 0    | 9.9559994 | 0           | -0.4046  | 1.5     | 1.5    |  |
| 2/01/93 | 17: 30 | 0    | 9.9559994 | 0           | -0.4046  | 1.5     | 1.5    |  |
| 2/01/93 | 17: 50 | 0    | 9.9559994 | 56.87340927 | 4.9903   | 28.024  | 22.36  |  |
| 2/01/93 | 18: 10 | 36   | 35.881264 | 57.0236702  | 5.005714 | 28.024  | 20.96  |  |
| 2/01/93 | 18: 30 | 225  | 35.881264 | 57.0236702  | 5.005714 | 28.024  | 19.14  |  |
| 2/01/93 | 18: 50 | 222  | 35.881264 | 56.87340927 | 5.514376 | 28.024  | 18.02  |  |
| 2/01/93 | 19: 10 | 185  | 35.881264 | 56.94853973 | 4.998007 | 28.024  | 21.1   |  |
| 2/01/93 | 19: 30 | 137  | 35.881264 | 57.0236702  | 5.051956 | 28.373  | 27.4   |  |
| 2/01/93 | 19: 50 | 68   | 35.881264 | 56.94853973 | 4.9903   | 28.373  | 125.82 |  |
| 2/01/93 | 20: 10 | 10   | 35.881264 | 56.87340927 | 5.475841 | 28.722  | 94.46  |  |
| 2/01/93 | 20: 30 | 23   | 35.881264 | 56.49776077 | 4.974886 | 28.722  | 97.68  |  |
| 2/01/93 | 20: 50 | 78   | 35.881264 | 56.27236938 | 5.082784 | 29.42   | 91.52  |  |
| 2/01/93 | 21: 10 | 179  | 35.881264 | 56.12211227 | 4.974886 | 29.42   | 91.1   |  |
| 2/01/93 | 21: 30 | 249  | 35.881264 | 55.82159042 | 5.028835 | 29.42   | 92.08  |  |
| 2/01/93 | 21: 50 | 117  | 35.881264 | 56.12211227 | 4.967179 | 29.42   | 27.82  |  |
| 2/01/93 | 22: 10 | 20   | 35.881264 | 56.04698181 | 5.329408 | 29.42   | 20.54  |  |
| 2/01/93 | 22: 30 | 111  | 35.881264 | 56.27236938 | 4.967179 | 30.118  | 23.48  |  |
| 2/01/93 | 22: 50 | 218  | 35.881264 | 56.42263031 | 5.537497 | 30.118  | 24.18  |  |
| 2/01/93 | 23: 10 | 294  | 35.881264 | 56.57289124 | 4.982593 | 29.769  | 17.74  |  |
| 2/01/93 | 23: 30 | 251  | 35.881264 | 56.42263031 | 5.082784 | 29.769  | 26.14  |  |
| 2/01/93 | 23: 50 | 178  | 35.881264 | 56.57289124 | 4.982593 | 29.769  | 19.28  |  |
| 3/01/93 | 0: 10  | 202  | 35.881264 | 56.94853973 | 5.044249 | 29.769  | 28.24  |  |
| 3/01/93 | 0: 30  | 130  | 35.881264 | 56.94853973 | 4.982593 | 29.769  | 22.78  |  |
| 3/01/93 | 0: 50  | 85   | 35.881264 | 57.17393112 | 5.267752 | 29.769  | 23.48  |  |
| 3/01/93 | 1: 10  | 110  | 35.881264 | 56.94853973 | 4.982593 | 29.769  | 23.9   |  |
| 3/01/93 | 1: 30  | 107  | 35.881264 | 56.94853973 | 5.090491 | 29.769  | 24.18  |  |
| 3/01/93 | 1: 50  | 84   | 35.881264 | 57.17393112 | 4.9903   | 29.769  | 35.24  |  |
| 3/01/93 | 2: 10  | 48   | 35.881264 | 57.32419205 | 5.629981 | 29.769  | 48.54  |  |
| 3/01/93 | 2: 30  | 20   | 35.881264 | 57.24906158 | 4.9903   | 29.769  | 139.54 |  |
| 3/01/93 | 2: 50  | 21   | 35.881264 | 57.32419205 | 5.075077 | 30.118  | 109.72 |  |
| 3/01/93 | 3: 10  | 24   | 35.881264 | 57.47444916 | 4.9903   | 30.118  | 108.6  |  |
| 3/01/93 | 3: 30  | 16   | 35.881264 | 57.47444916 | 5.175268 | 30.118  | 97.12  |  |
| 3/01/93 | 3: 50  | 19   | 35.881264 | 57.69984055 | 5.028835 | 30.118  | 87.46  |  |
| 3/01/93 | 4: 10  | 68   | 35.881264 | 57.69984055 | 5.136733 | 30.816  | 94.46  |  |
| 3/01/93 | 4: 30  | 128  | 35.881264 | 57.32419205 | 5.013421 | 30.816  | 89.84  |  |
| 3/01/93 | 4: 50  | 244  | 35.881264 | 57.3993187  | 5.22151  | 30.816  | 90.26  |  |
| 3/01/93 | 5: 10  | 358  | 35.881264 | 57.47444916 | 5.013421 | 30.467  | 90.96  |  |
| 3/01/93 | 5: 30  | 324  | 35.881264 | 57.32419205 | 5.075077 | 30.118  | 94.88  |  |
| 3/01/93 | 5: 50  | 225  | 35.881264 | 57.24906158 | 5.021128 | 29.769  | 90.68  |  |
| 3/01/93 | 6: 10  | 58   | 35.881264 | 57.32419205 | 5.113612 | 29.42   | 121.76 |  |

|         |        |     |           |             |           |         |        |
|---------|--------|-----|-----------|-------------|-----------|---------|--------|
| 3/01/93 | 6: 30  | 10  | 35.881264 | 57.24906158 | 5.005714  | 29.071  | 22.36  |
| 3/01/93 | 6: 50  | 25  | 35.881264 | 57.17393112 | 5.036542  | 29.071  | 21.66  |
| 3/01/93 | 7: 10  | 24  | 35.881264 | 57.0236702  | 5.013421  | 28.722  | 25.3   |
| 3/01/93 | 7: 30  | 30  | 35.881264 | 57.09880066 | 5.028835  | 28.373  | 16.06  |
| 3/01/93 | 7: 50  | 86  | 35.881264 | 57.0236702  | 5.005714  | 28.373  | 17.88  |
| 3/01/93 | 8: 10  | 175 | 35.881264 | 56.87340927 | 5.260045  | 28.373  | 18.58  |
| 3/01/93 | 8: 30  | 231 | 35.881264 | 56.79827881 | 5.005714  | 28.373  | 18.86  |
| 3/01/93 | 8: 50  | 261 | 35.881264 | 56.87340927 | 5.660809  | 28.373  | 14.94  |
| 3/01/93 | 9: 10  | 268 | 35.881264 | 56.87340927 | 5.013421  | 28.373  | 21.24  |
| 3/01/93 | 9: 30  | 240 | 35.881264 | 56.87340927 | 5.159854  | 28.024  | 21.94  |
| 3/01/93 | 9: 50  | 169 | 35.881264 | 56.87340927 | 5.021128  | 28.024  | 19.7   |
| 3/01/93 | 10: 10 | 113 | 35.881264 | 56.87340927 | 5.14444   | 28.024  | 20.4   |
| 3/01/93 | 10: 30 | 60  | 35.881264 | 56.87340927 | 4.998007  | 28.024  | 23.06  |
| 3/01/93 | 10: 50 | 34  | 35.881264 | 56.87340927 | 5.159854  | 28.373  | 23.34  |
| 3/01/93 | 11: 10 | 50  | 35.881264 | 57.17393112 | 4.998007  | 28.373  | 24.6   |
| 3/01/93 | 11: 30 | 66  | 35.881264 | 57.17393112 | 5.06737   | 28.373  | 19.56  |
| 3/01/93 | 11: 50 | 52  | 35.881264 | 57.17393112 | 5.013421  | 28.722  | 22.22  |
| 3/01/93 | 12: 10 | 46  | 35.881264 | 57.17393112 | 5.051956  | 28.722  | 23.2   |
| 3/01/93 | 12: 30 | 65  | 35.881264 | 57.09880066 | 4.974886  | 28.722  | 125.82 |
| 3/01/93 | 12: 50 | 19  | 35.881264 | 57.09880066 | 5.013421  | 29.071  | 89.7   |
| 3/01/93 | 13: 10 | 19  | 35.881264 | 57.09880066 | 4.974886  | 29.071  | 98.1   |
| 3/01/93 | 13: 30 | 17  | 35.881264 | 57.09880066 | 4.998007  | 29.071  | 1.78   |
| 3/01/93 | 13: 50 | 6   | 35.881264 | 56.87340927 | 4.951765  | 29.42   | 96.14  |
| 3/01/93 | 14: 10 | 76  | 35.881264 | 57.0236702  | 4.974886  | 29.42   | 87.04  |
| 3/01/93 | 14: 30 | 122 | 35.881264 | 57.0236702  | 4.967179  | 29.42   | 87.46  |
| 3/01/93 | 14: 50 | 81  | 35.881264 | 56.87340927 | 4.9903    | 29.42   | 18.02  |
| 3/01/93 | 15: 10 | 25  | 9.9559994 | 0           | -0.4046   | 1.5     | 1.5    |
| 3/01/93 | 15: 30 | 0   | 9.9559994 | 6.010399818 | 0.782278  | 25.232  | 144.72 |
| 3/01/93 | 15: 50 | 759 | 27.466425 | 6.010399818 | 0.859348  | 44.776  | 144.72 |
| 3/01/93 | 16: 10 | 761 | 27.183392 | 6.010399818 | 0.250495  | 47.568  | 144.72 |
| 3/01/93 | 16: 30 | 759 | 27.260508 | 6.010399818 | 0.527947  | 47.917  | 144.72 |
| 3/01/93 | 16: 50 | 762 | 27.337679 | 6.085530281 | 0.705208  | 52.803  | 144.72 |
| 3/01/93 | 17: 10 | 766 | 30.023956 | 6.085530281 | 0.867055  | 41.286  | 144.72 |
| 3/01/93 | 17: 30 | 765 | 27.337679 | 6.085530281 | 0.658966  | 25.581  | 1.5    |
| 3/01/93 | 17: 50 | 0   | 9.9559994 | 7.437870026 | 1.16E-02  | 358.527 | 108.18 |
| 3/01/93 | 18: 10 | 709 | 11.940423 | 13.22288036 | -0.12715  | 358.527 | 108.46 |
| 3/01/93 | 18: 30 | 771 | 11.940423 | 12.77210045 | -6.55E-02 | 358.527 | 108.46 |
| 3/01/93 | 18: 50 | 705 | 11.940423 | 10.59333038 | 5.78E-02  | 358.527 | 108.04 |
| 3/01/93 | 19: 10 | 769 | 11.940423 | 12.39645004 | -0.11173  | 358.527 | 108.46 |
| 3/01/93 | 19: 30 | 706 | 11.940423 | 11.57001972 | -0.21963  | 358.527 | 108.6  |
| 3/01/93 | 19: 50 | 768 | 11.940423 | 13.37314034 | -0.2967   | 358.527 | 108.18 |
| 3/01/93 | 20: 10 | 705 | 11.940423 | 13.89904976 | -0.30441  | 358.527 | 108.32 |
| 3/01/93 | 20: 30 | 718 | 11.940423 | 17.88093948 | -0.30441  | 358.527 | 108.18 |
| 3/01/93 | 20: 50 | 710 | 11.940423 | 39.44324875 | -0.30441  | 358.527 | 108.46 |
| 3/01/93 | 21: 10 | 716 | 11.940423 | 36.73857117 | -0.31982  | 358.527 | 108.32 |
| 3/01/93 | 21: 30 | 710 | 11.940423 | 73.47714233 | -0.28129  | 358.527 | 108.18 |
| 3/01/93 | 21: 50 | 730 | 11.940423 | 51.68944168 | -0.1888   | 358.527 | 107.9  |
| 3/01/93 | 22: 10 | 706 | 11.916019 | 49.66093063 | 0.512533  | 358.527 | 107.62 |
| 3/01/93 | 22: 30 | 719 | 11.916019 | 47.93294144 | 1.090558  | 358.527 | 107.2  |
| 3/01/93 | 22: 50 | 705 | 11.891614 | 50.63761902 | 0.235081  | 358.527 | 107.2  |
| 3/01/93 | 23: 10 | 715 | 11.891614 | 7.513000011 | -0.28129  | 358.527 | 107.2  |
| 3/01/93 | 23: 30 | 705 | 11.867207 | 9.015600204 | 0.150304  | 358.527 | 107.34 |
| 3/01/93 | 23: 50 | 771 | 11.867207 | 12.0959301  | 0.481705  | 358.527 | 107.34 |
| 4/01/93 | 0: 10  | 703 | 11.867207 | 11.94567013 | 0.551068  | 358.527 | 107.34 |
| 4/01/93 | 0: 30  | 716 | 11.842796 | 8.264300346 | 0.420049  | 358.527 | 107.34 |
| 4/01/93 | 0: 50  | 707 | 11.842796 | 11.57001972 | 0.420049  | 358.527 | 107.2  |

|         |        |     |           |             |           |         |        |
|---------|--------|-----|-----------|-------------|-----------|---------|--------|
| 4/01/93 | 1: 10  | 721 | 11.842796 | 11.57001972 | 0.897883  | 358.527 | 107.34 |
| 4/01/93 | 1: 30  | 707 | 11.842796 | 10.21767998 | 1.252405  | 358.527 | 107.34 |
| 4/01/93 | 1: 50  | 736 | 11.842796 | 10.21767998 | 1.052023  | 358.527 | 107.34 |
| 4/01/93 | 2: 10  | 706 | 11.842796 | 11.57001972 | 0.712915  | 358.527 | 107.34 |
| 4/01/93 | 2: 30  | 764 | 11.842796 | 12.32132053 | 0.389221  | 358.527 | 107.06 |
| 4/01/93 | 2: 50  | 705 | 11.842796 | 8.189169884 | 4.24E-02  | 358.527 | 107.06 |
| 4/01/93 | 3: 10  | 729 | 11.842796 | 11.87053967 | -0.15027  | 358.527 | 107.06 |
| 4/01/93 | 3: 30  | 705 | 11.842796 | 13.59852982 | -0.21192  | 358.527 | 107.2  |
| 4/01/93 | 3: 50  | 768 | 11.842796 | 9.466380119 | 0.158011  | 358.527 | 107.48 |
| 4/01/93 | 4: 10  | 704 | 11.842796 | 8.489689827 | 0.227374  | 358.527 | 107.76 |
| 4/01/93 | 4: 30  | 734 | 11.867207 | 13.37314034 | 0.142597  | 358.527 | 107.62 |
| 4/01/93 | 4: 50  | 703 | 11.867207 | 13.74878979 | 4.24E-02  | 358.527 | 107.62 |
| 4/01/93 | 5: 10  | 722 | 11.867207 | 9.842030525 | 2.70E-02  | 358.527 | 107.48 |
| 4/01/93 | 5: 30  | 707 | 11.891614 | 8.414560318 | -1.15E-02 | 358.527 | 106.78 |
| 4/01/93 | 5: 50  | 752 | 11.891614 | 48.53398132 | -0.27358  | 358.527 | 107.34 |
| 4/01/93 | 6: 10  | 707 | 11.891614 | 48.30858994 | -4.24E-02 | 358.527 | 107.06 |
| 4/01/93 | 6: 30  | 687 | 11.940423 | 48.60911179 | 1.398838  | 358.527 | 106.78 |
| 4/01/93 | 6: 50  | 707 | 11.940423 | 48.83449936 | 1.776481  | 358.527 | 107.06 |
| 4/01/93 | 7: 10  | 711 | 11.940423 | 49.28528214 | 0.967246  | 358.527 | 107.48 |
| 4/01/93 | 7: 30  | 704 | 11.940423 | 40.49507141 | 0.551068  | 358.527 | 108.04 |
| 4/01/93 | 7: 50  | 712 | 11.940423 | 11.19437027 | -0.15798  | 358.527 | 107.9  |
| 4/01/93 | 8: 10  | 706 | 11.940423 | 6.235790253 | 0.28903   | 358.527 | 108.04 |
| 4/01/93 | 8: 30  | 714 | 11.916019 | 9.466380119 | 0.789985  | 358.527 | 108.46 |
| 4/01/93 | 8: 50  | 706 | 11.916019 | 9.391249657 | 0.605017  | 358.527 | 108.74 |
| 4/01/93 | 9: 10  | 727 | 11.916019 | 7.062220097 | 0.196546  | 358.527 | 109.02 |
| 4/01/93 | 9: 30  | 712 | 11.916019 | 8.414560318 | 0.111769  | 358.527 | 109.3  |
| 4/01/93 | 9: 50  | 714 | 11.916019 | 13.37314034 | -8.86E-02 | 358.527 | 109.02 |
| 4/01/93 | 10: 10 | 712 | 11.916019 | 9.316120148 | -0.17339  | 358.527 | 108.74 |
| 4/01/93 | 10: 30 | 716 | 11.916019 | 10.96897984 | -8.09E-02 | 358.527 | 109.16 |
| 4/01/93 | 10: 50 | 707 | 11.916019 | 10.66845989 | -0.15027  | 358.527 | 109.3  |
| 4/01/93 | 11: 10 | 718 | 11.916019 | 15.25139046 | -0.17339  | 358.527 | 109.44 |
| 4/01/93 | 11: 30 | 714 | 11.916019 | 8.489689827 | -0.21963  | 358.527 | 109.44 |
| 4/01/93 | 11: 50 | 715 | 11.916019 | 11.41975975 | -0.19651  | 358.527 | 109.16 |
| 4/01/93 | 12: 10 | 711 | 11.916019 | 11.72027969 | -2.70E-02 | 358.527 | 109.02 |
| 4/01/93 | 12: 30 | 714 | 11.916019 | 11.11923981 | 0.119476  | 358.527 | 109.16 |
| 4/01/93 | 12: 50 | 711 | 11.916019 | 10.66845989 | 0.296737  | 358.527 | 109.02 |
| 4/01/93 | 13: 10 | 719 | 11.916019 | 10.74359035 | 0.312151  | 358.527 | 109.02 |
| 4/01/93 | 13: 30 | 713 | 11.916019 | 10.89385033 | 5.78E-02  | 358.527 | 108.74 |
| 4/01/93 | 13: 50 | 727 | 11.916019 | 9.015600204 | -0.24275  | 358.527 | 108.6  |
| 4/01/93 | 14: 10 | 711 | 11.916019 | 52.2153511  | -0.27358  | 358.527 | 108.74 |
| 4/01/93 | 14: 30 | 724 | 11.916019 | 50.56249237 | 0.404635  | 358.527 | 107.76 |
| 4/01/93 | 14: 50 | 708 | 11.916019 | 47.55728912 | 1.67629   | 358.527 | 107.9  |
| 4/01/93 | 15: 10 | 714 | 11.891614 | 45.97956085 | 1.129093  | 358.527 | 108.18 |
| 4/01/93 | 15: 30 | 708 | 11.867207 | 47.48215866 | 0.666673  | 358.527 | 108.18 |
| 4/01/93 | 15: 50 | 810 | 11.867207 | 13.29800987 | -0.32753  | 358.527 | 108.18 |
| 4/01/93 | 16: 10 | 708 | 11.867207 | 9.691770554 | -2.70E-02 | 358.527 | 108.32 |
| 4/01/93 | 16: 30 | 744 | 11.867207 | 10.29281044 | 0.3661    | 358.527 | 108.32 |
| 4/01/93 | 16: 50 | 709 | 11.842796 | 11.49489021 | 0.504826  | 358.527 | 108.32 |
| 4/01/93 | 17: 10 | 733 | 11.842796 | 10.44307041 | 0.497119  | 358.527 | 108.18 |
| 4/01/93 | 17: 30 | 708 | 11.842796 | 5.484489918 | 0.142597  | 358.527 | 108.18 |
| 4/01/93 | 17: 50 | 804 | 11.842796 | 9.015600204 | 0.705208  | 358.527 | 108.04 |
| 4/01/93 | 18: 10 | 707 | 11.842796 | 11.87053967 | 1.267819  | 358.527 | 108.32 |
| 4/01/93 | 18: 30 | 720 | 11.842796 | 12.24619007 | 0.82852   | 358.527 | 108.32 |
| 4/01/93 | 18: 50 | 710 | 11.842796 | 5.709879875 | 0.150304  | 358.527 | 108.04 |
| 4/01/93 | 19: 10 | 784 | 11.842796 | 13.82392025 | -0.30441  | 358.527 | 107.9  |
| 4/01/93 | 19: 30 | 708 | 11.842796 | 12.77210045 | -0.32753  | 358.527 | 108.04 |

|         |        |     |           |             |          |         |        |  |
|---------|--------|-----|-----------|-------------|----------|---------|--------|--|
| 4/01/93 | 19: 50 | 730 | 11.867207 | 16.52860069 | -0.28899 | 358.527 | 108.18 |  |
| 4/01/93 | 20: 10 | 706 | 11.867207 | 17.88093948 | -0.28899 | 358.527 | 108.32 |  |
| 4/01/93 | 20: 30 | 724 | 11.891614 | 23.96647072 | -0.30441 | 358.527 | 108.18 |  |
| 4/01/93 | 20: 50 | 706 | 11.891614 | 16.52860069 | -0.32753 | 358.527 | 108.18 |  |
| 4/01/93 | 21: 10 | 728 | 11.891614 | 59.42782974 | -0.34294 | 358.527 | 108.18 |  |
| 4/01/93 | 21: 30 | 703 | 11.891614 | 49.7360611  | -0.26587 | 358.527 | 108.04 |  |
| 4/01/93 | 21: 50 | 783 | 11.916019 | 50.48736191 | 0.196546 | 358.527 | 107.76 |  |
| 4/01/93 | 22: 10 | 706 | 11.916019 | 52.96665192 | 0.304444 | 358.527 | 108.18 |  |
| 4/01/93 | 22: 30 | 798 | 11.916019 | 48.08319855 | 0.743743 | 358.527 | 108.04 |  |
| 4/01/93 | 22: 50 | 706 | 11.940423 | 50.93814087 | 1.506736 | 358.527 | 108.18 |  |
| 4/01/93 | 23: 10 | 738 | 11.964825 | 47.78268051 | 1.537564 | 358.527 | 108.46 |  |
| 4/01/93 | 23: 30 | 707 | 11.964825 | 46.95624924 | 1.514443 | 1.5     | 73.18  |  |
| 4/01/93 | 23: 50 | 512 | 9.9559994 | 0           | -0.4046  | 358.527 | 73.18  |  |
| 5/01/93 | 0: 10  | 512 | 9.9559994 | 38.46656036 | -0.39689 | 358.527 | 73.18  |  |
| 5/01/93 | 0: 30  | 512 | 9.9559994 | 38.46656036 | -0.39689 | 358.527 | 73.18  |  |
| 5/01/93 | 0: 50  | 512 | 9.9559994 | 38.46656036 | -0.4046  | 179.839 | 73.18  |  |
| 5/01/93 | 1: 10  | 512 | 9.9559994 | 38.46656036 | -0.28129 | 358.527 | 73.18  |  |
| 5/01/93 | 1: 30  | 512 | 9.9559994 | 0           | -0.28129 | 358.527 | 73.18  |  |
| 5/01/93 | 1: 50  | 512 | 9.9559994 | 38.46656036 | -0.4046  | 37.098  | 4.72   |  |
| 5/01/93 | 2: 10  | 512 | 22.447416 | 0           | -0.4046  | 1.5     | 144.72 |  |
| 5/01/93 | 2: 30  | 512 | 28.945751 | 0           | -0.4046  | 2.896   | 144.72 |  |
| 5/01/93 | 2: 50  | 256 | 22.447416 | 0           | 4.52788  | 180.886 | 144.72 |  |
| 5/01/93 | 3: 10  | 766 | 27.569536 | 6.085530281 | 5.013421 | 25.581  | 144.72 |  |
| 5/01/93 | 3: 30  | 766 | 27.440664 | 6.085530281 | 7.317814 | 7.084   | 144.72 |  |
| 5/01/93 | 3: 50  | 768 | 27.646936 | 6.085530281 | 0.890176 | 11.621  | 144.72 |  |
| 5/01/93 | 4: 10  | 767 | 27.466425 | 6.010399818 | 0.497119 | 28.373  | 144.72 |  |
| 5/01/93 | 4: 30  | 787 | 27.983013 | 6.010399818 | 0.882469 | 48.964  | 144.72 |  |
| 5/01/93 | 4: 50  | 767 | 27.440664 | 6.010399818 | 0.766864 | 66.414  | 144.72 |  |
| 5/01/93 | 5: 10  | 768 | 27.827763 | 6.010399818 | 0.720622 | 67.81   | 144.72 |  |
| 5/01/93 | 5: 30  | 769 | 27.363417 | 6.010399818 | 0.766864 | 61.179  | 144.72 |  |
| 5/01/93 | 5: 50  | 770 | 27.646936 | 6.010399818 | 0.566482 | 60.83   | 144.72 |  |
| 5/01/93 | 6: 10  | 780 | 27.389158 | 6.010399818 | 0.743743 | 66.065  | 144.72 |  |
| 5/01/93 | 6: 30  | 783 | 29.786207 | 6.010399818 | 0.682087 | 75.139  | 144.72 |  |
| 5/01/93 | 6: 50  | 784 | 27.414907 | 6.010399818 | 0.466291 | 59.434  | 144.72 |  |
| 5/01/93 | 7: 10  | 783 | 27.569536 | 6.010399818 | 0.396928 | 46.87   | 144.72 |  |
| 5/01/93 | 7: 30  | 773 | 27.414907 | 6.010399818 | 0.705208 | 44.776  | 144.72 |  |
| 5/01/93 | 7: 50  | 780 | 27.569536 | 6.010399818 | 0.67438  | 38.494  | 144.72 |  |
| 5/01/93 | 8: 10  | 785 | 27.337679 | 6.010399818 | 0.512533 | 31.863  | 144.72 |  |
| 5/01/93 | 8: 30  | 774 | 29.575388 | 6.010399818 | 8.86E-02 | 36.749  | 144.72 |  |
| 5/01/93 | 8: 50  | 773 | 27.466425 | 6.010399818 | 0.512533 | 23.836  | 144.72 |  |
| 5/01/93 | 9: 10  | 775 | 27.957121 | 6.010399818 | 0.551068 | 20.346  | 144.72 |  |
| 5/01/93 | 9: 30  | 776 | 27.543749 | 5.935269833 | 0.651259 | 24.185  | 144.72 |  |
| 5/01/93 | 9: 50  | 775 | 28.632479 | 5.935269833 | 0.666673 | 26.628  | 144.72 |  |
| 5/01/93 | 10: 10 | 776 | 27.543749 | 5.860139847 | 0.658966 | 18.95   | 144.72 |  |
| 5/01/93 | 10: 30 | 771 | 29.024227 | 5.860139847 | 0.843934 | 7.084   | 144.72 |  |
| 5/01/93 | 10: 50 | 770 | 27.517969 | 5.860139847 | 0.127183 | 3.943   | 144.72 |  |
| 5/01/93 | 11: 10 | 766 | 27.543749 | 5.860139847 | 0.689794 | 14.064  | 144.72 |  |
| 5/01/93 | 11: 30 | 764 | 27.414907 | 5.785009861 | 0.643552 | 41.984  | 144.72 |  |
| 5/01/93 | 11: 50 | 765 | 27.67275  | 5.785009861 | 0.689794 | 26.628  | 144.72 |  |
| 5/01/93 | 12: 10 | 762 | 27.389158 | 5.785009861 | 0.59731  | 11.97   | 144.72 |  |
| 5/01/93 | 12: 30 | 761 | 28.945751 | 5.785009861 | 4.974886 | 4.641   | 144.72 |  |
| 5/01/93 | 12: 50 | 762 | 27.389158 | 5.785009861 | 4.797625 | 6.386   | 144.72 |  |
| 5/01/93 | 13: 10 | 760 | 28.945751 | 5.785009861 | 0.504826 | 9.527   | 144.72 |  |
| 5/01/93 | 13: 30 | 750 | 27.363417 | 5.785009861 | 0.44317  | 44.427  | 144.72 |  |
| 5/01/93 | 13: 50 | 732 | 27.853622 | 5.860139847 | 0.3661   | 54.897  | 144.72 |  |
| 5/01/93 | 14: 10 | 744 | 27.311949 | 5.860139847 | -0.35836 | 23.487  | 144.72 |  |



|         |        |     |           |             |          |        |        |
|---------|--------|-----|-----------|-------------|----------|--------|--------|
| 5/01/93 | 14: 30 | 757 | 29.365044 | 5.935269833 | 4.242721 | 21.393 | 144.72 |
| 5/01/93 | 14: 50 | 756 | 27.260508 | 5.935269833 | 5.391064 | 25.232 | 144.72 |
| 5/01/93 | 15: 10 | 766 | 28.710701 | 5.935269833 | -0.13486 | 26.279 | 144.72 |
| 5/01/93 | 15: 30 | 763 | 27.260508 | 5.935269833 | -0.35836 | 9.876  | 144.72 |
| 5/01/93 | 15: 50 | 763 | 28.945751 | 5.935269833 | 0.589603 | 4.292  | 144.72 |
| 5/01/93 | 16: 10 | 764 | 27.260508 | 5.935269833 | 1.29094  | 4.641  | 144.72 |
| 5/01/93 | 16: 30 | 763 | 30.050411 | 6.010399818 | 0.358393 | 5.688  | 144.72 |
| 5/01/93 | 16: 50 | 765 | 27.363417 | 6.010399818 | 0.789985 | 4.99   | 144.72 |
| 5/01/93 | 17: 10 | 765 | 28.919605 | 6.010399818 | 1.005781 | 4.292  | 144.72 |
| 5/01/93 | 17: 30 | 761 | 27.414907 | 6.085530281 | 5.421892 | 5.688  | 144.72 |
| 5/01/93 | 17: 50 | 762 | 29.128963 | 6.085530281 | 4.728262 | 27.675 | 144.72 |
| 5/01/93 | 18: 10 | 766 | 27.337679 | 6.085530281 | 4.620364 | 53.85  | 144.72 |
| 5/01/93 | 18: 30 | 770 | 28.320206 | 6.085530281 | 4.473931 | 51.756 | 144.72 |
| 5/01/93 | 18: 50 | 767 | 27.363417 | 6.085530281 | 4.589536 | 46.521 | 144.72 |
| 5/01/93 | 19: 10 | 774 | 28.112568 | 6.085530281 | 4.52788  | 41.984 | 144.72 |
| 5/01/93 | 19: 30 | 766 | 27.209091 | 6.085530281 | 4.612657 | 49.662 | 144.72 |
| 5/01/93 | 19: 50 | 769 | 27.698568 | 6.085530281 | 5.275459 | 24.185 | 144.72 |
| 5/01/93 | 20: 10 | 780 | 27.260508 | 6.085530281 | 1.468201 | 10.923 | 144.72 |
| 5/01/93 | 20: 30 | 782 | 27.905359 | 6.085530281 | 1.614634 | 14.413 | 144.72 |
| 5/01/93 | 20: 50 | 778 | 27.414907 | 6.010399818 | 4.789918 | 18.95  | 144.72 |
| 5/01/93 | 21: 10 | 787 | 27.698568 | 6.010399818 | 4.034632 | 33.259 | 144.72 |
| 5/01/93 | 21: 30 | 772 | 27.466425 | 6.010399818 | 2.262022 | 17.554 | 144.72 |
| 5/01/93 | 21: 50 | 771 | 27.466425 | 6.010399818 | 0.643552 | 11.272 | 144.72 |
| 5/01/93 | 22: 10 | 790 | 27.311949 | 6.010399818 | 1.44508  | 15.111 | 144.72 |
| 5/01/93 | 22: 30 | 784 | 27.363417 | 5.935269833 | 1.028902 | 16.507 | 144.72 |
| 5/01/93 | 22: 50 | 787 | 27.389158 | 5.935269833 | 0.3661   | 32.91  | 144.72 |
| 5/01/93 | 23: 10 | 780 | 27.595329 | 5.935269833 | 0.450877 | 36.749 | 144.72 |
| 5/01/93 | 23: 30 | 770 | 27.414907 | 5.935269833 | 0.473998 | 44.776 | 144.72 |
| 5/01/93 | 23: 50 | 774 | 28.060726 | 5.935269833 | 0.543361 | 43.729 | 144.72 |
| 6/01/93 | 0: 10  | 772 | 27.569536 | 5.935269833 | 0.581896 | 30.816 | 144.72 |
| 6/01/93 | 0: 30  | 772 | 28.945751 | 5.935269833 | 0.628138 | 26.628 | 144.72 |
| 6/01/93 | 0: 50  | 772 | 27.543749 | 5.935269833 | 0.805399 | 29.42  | 144.72 |
| 6/01/93 | 1: 10  | 772 | 28.346191 | 5.935269833 | 0.497119 | 30.118 | 144.72 |
| 6/01/93 | 1: 30  | 771 | 27.517969 | 5.935269833 | 0.427756 | 37.796 | 144.72 |
| 6/01/93 | 1: 50  | 764 | 27.801912 | 5.860139847 | 0.90559  | 13.366 | 144.72 |
| 6/01/93 | 2: 10  | 769 | 27.543749 | 5.860139847 | 4.866988 | 7.782  | 144.72 |
| 6/01/93 | 2: 30  | 765 | 28.73679  | 5.860139847 | 4.574122 | 15.809 | 144.72 |
| 6/01/93 | 2: 50  | 766 | 27.517969 | 5.860139847 | 4.890109 | 33.957 | 144.72 |
| 6/01/93 | 3: 10  | 761 | 28.945751 | 5.785009861 | 4.751383 | 24.883 | 144.72 |
| 6/01/93 | 3: 30  | 765 | 27.466425 | 5.785009861 | 3.256225 | 12.319 | 144.72 |
| 6/01/93 | 3: 50  | 763 | 28.008911 | 5.785009861 | 1.129093 | 7.433  | 144.72 |
| 6/01/93 | 4: 10  | 761 | 27.414907 | 5.785009861 | 0.304444 | 6.037  | 144.72 |
| 6/01/93 | 4: 30  | 759 | 27.492193 | 5.785009861 | 2.161831 | 6.735  | 144.72 |
| 6/01/93 | 4: 50  | 763 | 27.389158 | 5.785009861 | 6.493165 | 6.037  | 144.72 |
| 6/01/93 | 5: 10  | 760 | 27.595329 | 5.785009861 | 4.419982 | 13.017 | 144.72 |
| 6/01/93 | 5: 30  | 767 | 27.440664 | 5.785009861 | 4.635778 | 31.165 | 144.72 |
| 6/01/93 | 5: 50  | 767 | 28.346191 | 5.785009861 | 4.60495  | 18.95  | 144.72 |
| 6/01/93 | 6: 10  | 767 | 27.440664 | 5.860139847 | 4.951765 | 14.064 | 144.72 |
| 6/01/93 | 6: 30  | 768 | 28.945751 | 5.860139847 | 4.319791 | 28.024 | 144.72 |
| 6/01/93 | 6: 50  | 768 | 27.466425 | 5.860139847 | 4.412275 | 15.111 | 144.72 |
| 6/01/93 | 7: 10  | 769 | 27.801912 | 5.935269833 | 0.720622 | 4.292  | 144.72 |
| 6/01/93 | 7: 30  | 765 | 27.363417 | 5.935269833 | 1.229284 | 7.782  | 144.72 |
| 6/01/93 | 7: 50  | 763 | 28.945751 | 5.935269833 | 0.843934 | 14.413 | 144.72 |
| 6/01/93 | 8: 10  | 766 | 27.363417 | 6.010399818 | 0.820813 | 15.809 | 144.72 |
| 6/01/93 | 8: 30  | 767 | 27.337679 | 6.010399818 | 0.666673 | 9.527  | 144.72 |
| 6/01/93 | 8: 50  | 766 | 27.414907 | 6.010399818 | 0.581896 | 14.064 | 144.72 |

|         |        |     |           |             |          |        |        |  |
|---------|--------|-----|-----------|-------------|----------|--------|--------|--|
| 6/01/93 | 9: 10  | 771 | 28.034815 | 6.010399818 | 0.643552 | 6.735  | 144.72 |  |
| 6/01/93 | 9: 30  | 769 | 27.492193 | 6.010399818 | 4.68202  | 4.641  | 144.72 |  |
| 6/01/93 | 9: 50  | 773 | 30.209301 | 6.085530281 | 5.152147 | 3.245  | 144.72 |  |
| 6/01/93 | 10: 10 | 773 | 27.517969 | 6.085530281 | 5.899726 | 4.292  | 144.72 |  |
| 6/01/93 | 10: 30 | 773 | 29.233816 | 6.085530281 | 5.229217 | 5.688  | 144.72 |  |
| 6/01/93 | 10: 50 | 773 | 27.517969 | 6.160660267 | 5.159854 | 11.621 | 144.72 |  |
| 6/01/93 | 11: 10 | 773 | 28.320206 | 6.085530281 | 4.766797 | 19.299 | 144.72 |  |
| 6/01/93 | 11: 30 | 773 | 27.466425 | 6.085530281 | 4.982593 | 24.883 | 144.72 |  |
| 6/01/93 | 11: 50 | 776 | 27.905359 | 6.085530281 | 4.766797 | 25.93  | 144.72 |  |
| 6/01/93 | 12: 10 | 779 | 27.466425 | 6.085530281 | 5.021128 | 11.97  | 144.72 |  |
| 6/01/93 | 12: 30 | 775 | 28.112568 | 6.085530281 | 4.83616  | 18.95  | 144.72 |  |
| 6/01/93 | 12: 50 | 793 | 27.492193 | 6.085530281 | 4.342912 | 40.239 | 144.72 |  |
| 6/01/93 | 13: 10 | 781 | 27.67275  | 6.010399818 | 4.551001 | 29.769 | 144.72 |  |
| 6/01/93 | 13: 30 | 796 | 27.414907 | 6.010399818 | 4.327498 | 17.554 | 144.72 |  |
| 6/01/93 | 13: 50 | 787 | 27.698568 | 6.010399818 | 4.558708 | 39.541 | 144.72 |  |
| 6/01/93 | 14: 10 | 781 | 27.62113  | 5.935269833 | 4.813039 | 26.977 | 144.72 |  |
| 6/01/93 | 14: 30 | 782 | 28.190382 | 5.935269833 | 6.123229 | 7.084  | 144.72 |  |
| 6/01/93 | 14: 50 | 780 | 27.569536 | 5.935269833 | 0.720622 | 8.48   | 144.72 |  |
| 6/01/93 | 15: 10 | 777 | 28.945751 | 5.935269833 | 0.843934 | 10.574 | 144.72 |  |
| 6/01/93 | 15: 30 | 776 | 26.952377 | 5.935269833 | 0.635845 | 11.272 | 144.72 |  |
| 6/01/93 | 15: 50 | 784 | 29.365044 | 5.935269833 | 1.437373 | 12.668 | 144.72 |  |
| 6/01/93 | 16: 10 | 783 | 27.595329 | 5.860139847 | 0.635845 | 17.903 | 144.72 |  |
| 6/01/93 | 16: 30 | 780 | 27.931236 | 5.860139847 | 0.44317  | 34.655 | 144.72 |  |
| 6/01/93 | 16: 50 | 778 | 27.569536 | 5.860139847 | 0.643552 | 44.776 | 144.72 |  |
| 6/01/93 | 17: 10 | 778 | 28.945751 | 5.860139847 | 0.527947 | 47.917 | 144.72 |  |
| 6/01/93 | 17: 30 | 777 | 27.595329 | 5.860139847 | 0.635845 | 56.642 | 144.72 |  |
| 6/01/93 | 17: 50 | 778 | 27.853622 | 5.785009861 | 0.620431 | 49.313 | 144.72 |  |
| 6/01/93 | 18: 10 | 779 | 27.62113  | 5.785009861 | 0.728329 | 29.071 | 144.72 |  |
| 6/01/93 | 18: 30 | 777 | 27.905359 | 5.785009861 | 0.489412 | 14.064 | 144.72 |  |
| 6/01/93 | 18: 50 | 778 | 27.62113  | 5.785009861 | 0.890176 | 6.386  | 144.72 |  |
| 6/01/93 | 19: 10 | 776 | 28.710701 | 5.785009861 | 5.560618 | 5.688  | 144.72 |  |
| 6/01/93 | 19: 30 | 775 | 27.569536 | 5.785009861 | 4.813039 | 6.735  | 144.72 |  |
| 6/01/93 | 19: 50 | 775 | 28.998062 | 5.785009861 | 4.928644 | 8.48   | 144.72 |  |
| 6/01/93 | 20: 10 | 774 | 27.543749 | 5.785009861 | 4.951765 | 10.574 | 144.72 |  |
| 6/01/93 | 20: 30 | 775 | 29.155167 | 5.785009861 | 5.29858  | 7.782  | 144.72 |  |
| 6/01/93 | 20: 50 | 772 | 27.517969 | 5.785009861 | 4.728262 | 14.762 | 144.72 |  |
| 6/01/93 | 21: 10 | 773 | 30.023956 | 5.785009861 | 4.458517 | 31.863 | 144.72 |  |
| 6/01/93 | 21: 30 | 776 | 27.543749 | 5.785009861 | 4.782211 | 41.286 | 144.72 |  |
| 6/01/93 | 21: 50 | 777 | 27.879486 | 5.785009861 | 4.304377 | 59.085 | 144.72 |  |
| 6/01/93 | 22: 10 | 776 | 27.106331 | 5.785009861 | 4.504759 | 32.91  | 144.72 |  |
| 6/01/93 | 22: 30 | 775 | 28.919605 | 5.785009861 | 0.543361 | 7.084  | 144.72 |  |
| 6/01/93 | 22: 50 | 775 | 26.952377 | 5.860139847 | 0.44317  | 21.044 | 144.72 |  |
| 6/01/93 | 23: 10 | 775 | 30.129822 | 5.935269833 | 0.797692 | 17.554 | 144.72 |  |
| 6/01/93 | 23: 30 | 773 | 27.62113  | 5.935269833 | 0.843934 | 13.715 | 144.72 |  |
| 6/01/93 | 23: 50 | 774 | 30.156307 | 5.935269833 | 0.643552 | 16.158 | 144.72 |  |
| 7/01/93 | 0: 10  | 774 | 27.595329 | 6.010399818 | 1.028902 | 18.95  | 144.72 |  |
| 7/01/93 | 0: 30  | 773 | 29.365044 | 6.010399818 | 0.420049 | 17.554 | 144.72 |  |
| 7/01/93 | 0: 50  | 773 | 27.569536 | 6.085530281 | 0.820813 | 6.386  | 144.72 |  |
| 7/01/93 | 1: 10  | 774 | 28.424187 | 6.085530281 | 0.805399 | 9.178  | 144.72 |  |
| 7/01/93 | 1: 30  | 774 | 27.569536 | 6.085530281 | 1.005781 | 12.319 | 144.72 |  |
| 7/01/93 | 1: 50  | 775 | 28.919605 | 6.085530281 | 0.705208 | 12.319 | 144.72 |  |
| 7/01/93 | 2: 10  | 774 | 27.440664 | 6.085530281 | 0.851641 | 17.903 | 144.72 |  |
| 7/01/93 | 2: 30  | 774 | 29.759829 | 6.085530281 | 0.766864 | 17.554 | 144.72 |  |
| 7/01/93 | 2: 50  | 774 | 27.517969 | 6.085530281 | 0.396928 | 16.856 | 144.72 |  |
| 7/01/93 | 3: 10  | 774 | 29.786207 | 6.085530281 | 0.181132 | 9.527  | 144.72 |  |
| 7/01/93 | 3: 30  | 774 | 27.543749 | 6.085530281 | 0.566482 | 8.48   | 144.72 |  |



|         |        |      |           |             |           |         |        |  |
|---------|--------|------|-----------|-------------|-----------|---------|--------|--|
| 7/01/93 | 3: 50  | 773  | 28.945751 | 6.085530281 | 0.127183  | 9.178   | 144.72 |  |
| 7/01/93 | 4: 10  | 775  | 27.543749 | 6.085530281 | -0.24275  | 3.943   | 144.72 |  |
| 7/01/93 | 4: 30  | 775  | 28.320206 | 6.085530281 | 6.670426  | 3.245   | 144.72 |  |
| 7/01/93 | 4: 50  | 777  | 27.492193 | 6.085530281 | 5.175268  | 8.829   | 144.72 |  |
| 7/01/93 | 5: 10  | 778  | 29.365044 | 6.085530281 | 4.974886  | 11.97   | 144.72 |  |
| 7/01/93 | 5: 30  | 778  | 27.440664 | 6.085530281 | 4.666606  | 28.373  | 144.72 |  |
| 7/01/93 | 5: 50  | 776  | 28.945751 | 6.085530281 | 4.789918  | 26.628  | 144.72 |  |
| 7/01/93 | 6: 10  | 774  | 27.543749 | 6.010399818 | 4.928644  | 3.943   | 144.72 |  |
| 7/01/93 | 6: 30  | 773  | 27.853622 | 6.010399818 | 0.412342  | 3.245   | 144.72 |  |
| 7/01/93 | 6: 50  | 772  | 27.595329 | 5.935269833 | 1.229284  | 3.943   | 144.72 |  |
| 7/01/93 | 7: 10  | 772  | 27.646936 | 5.935269833 | 0.52024   | 13.017  | 144.72 |  |
| 7/01/93 | 7: 30  | 774  | 27.62113  | 5.860139847 | 0.651259  | 32.91   | 144.72 |  |
| 7/01/93 | 7: 50  | 773  | 27.67275  | 5.860139847 | 0.473998  | 49.662  | 144.72 |  |
| 7/01/93 | 8: 10  | 779  | 27.62113  | 5.860139847 | 0.589603  | 64.32   | 144.72 |  |
| 7/01/93 | 8: 30  | 776  | 27.646936 | 5.860139847 | 0.666673  | 67.461  | 144.72 |  |
| 7/01/93 | 8: 50  | 776  | 27.62113  | 5.785009861 | 0.805399  | 61.179  | 144.72 |  |
| 7/01/93 | 9: 10  | 775  | 27.543749 | 5.785009861 | 0.689794  | 48.615  | 144.72 |  |
| 7/01/93 | 9: 30  | 773  | 27.62113  | 5.785009861 | 0.527947  | 31.863  | 144.72 |  |
| 7/01/93 | 9: 50  | 774  | 27.62113  | 5.785009861 | 0.543361  | 37.447  | 144.72 |  |
| 7/01/93 | 10: 10 | 774  | 27.595329 | 5.709879875 | 0.813106  | 24.185  | 144.72 |  |
| 7/01/93 | 10: 30 | 771  | 27.440664 | 5.709879875 | 0.666673  | 28.722  | 144.72 |  |
| 7/01/93 | 10: 50 | 773  | 27.492193 | 5.709879875 | 0.59731   | 31.165  | 144.72 |  |
| 7/01/93 | 11: 10 | 772  | 27.543749 | 5.709879875 | 1.05973   | 27.675  | 144.72 |  |
| 7/01/93 | 11: 30 | 773  | 27.62113  | 5.709879875 | 1.098265  | 14.413  | 144.72 |  |
| 7/01/93 | 11: 50 | 771  | 27.595329 | 5.709879875 | 1.529857  | 7.433   | 144.72 |  |
| 7/01/93 | 12: 10 | 771  | 27.543749 | 5.709879875 | 1.429666  | 3.943   | 144.72 |  |
| 7/01/93 | 12: 30 | 771  | 27.62113  | 5.709879875 | 7.364056  | 2.198   | 144.72 |  |
| 7/01/93 | 12: 50 | 771  | 27.543749 | 5.709879875 | -2.70E-02 | 2.896   | 144.72 |  |
| 7/01/93 | 13: 10 | 770  | 27.569536 | 5.709879875 | 0.689794  | 8.829   | 144.72 |  |
| 7/01/93 | 13: 30 | 770  | 27.543749 | 5.709879875 | 0.712915  | 21.742  | 144.72 |  |
| 7/01/93 | 13: 50 | 771  | 27.698568 | 5.785009861 | 2.70E-02  | 8.829   | 144.72 |  |
| 7/01/93 | 14: 10 | 770  | 27.543749 | 5.785009861 | 5.159854  | 4.641   | 144.72 |  |
| 7/01/93 | 14: 30 | 770  | 27.724396 | 5.860139847 | 5.090491  | 3.594   | 144.72 |  |
| 7/01/93 | 14: 50 | 767  | 27.517969 | 5.860139847 | 0.843934  | 3.943   | 144.72 |  |
| 7/01/93 | 15: 10 | 766  | 27.543749 | 5.935269833 | 4.073167  | 2.547   | 144.72 |  |
| 7/01/93 | 15: 30 | 766  | 27.466425 | 5.935269833 | 4.088581  | 3.245   | 144.72 |  |
| 7/01/93 | 15: 50 | 767  | 27.492193 | 5.935269833 | 4.628071  | 4.292   | 144.72 |  |
| 7/01/93 | 16: 10 | 766  | 27.517969 | 6.010399818 | 6.007624  | 3.594   | 144.72 |  |
| 7/01/93 | 16: 30 | 766  | 27.569536 | 6.010399818 | 0.682087  | 3.943   | 144.72 |  |
| 7/01/93 | 16: 50 | 767  | 27.440664 | 6.010399818 | 0.90559   | 9.178   | 144.72 |  |
| 7/01/93 | 17: 10 | 768  | 27.646936 | 6.085530281 | 0.836227  | 20.346  | 144.72 |  |
| 7/01/93 | 17: 30 | 0    | 27.569536 | 4.357540131 | 1.452787  | 25.232  | 144.72 |  |
| 7/01/93 | 17: 50 | 733  | 10.103604 | 3.831629992 | 0.111769  | 41.286  | 144.72 |  |
| 7/01/93 | 18: 10 | 512  | 9.9559994 | 0           | 3.541384  | 1.5     | 144.72 |  |
| 7/01/93 | 18: 30 | 976  | 9.9559994 | 0           | 3.541384  | 1.5     | 144.72 |  |
| 7/01/93 | 18: 50 | 1014 | 9.9559994 | 3.831629992 | 1.29094   | 2.198   | 144.72 |  |
| 7/01/93 | 19: 10 | 969  | 10.619384 | 3.906759977 | 1.075144  | 1.5     | 144.72 |  |
| 7/01/93 | 19: 30 | 584  | 19.303194 | 3.606240034 | 1.429666  | 1.5     | 144.72 |  |
| 7/01/93 | 19: 50 | 583  | 35.881264 | 4.057020187 | 1.437373  | 1.5     | 1.5    |  |
| 7/01/93 | 20: 10 | 1023 | 35.881264 | 43.65053177 | 2.608837  | 20.346  | 34.96  |  |
| 7/01/93 | 20: 30 | 0    | 35.881264 | 43.65053177 | 7.479661  | 20.346  | 9.06   |  |
| 7/01/93 | 20: 50 | 239  | 9.9559994 | 76.85799408 | 7.479661  | 203.571 | 1.64   |  |

## **APPENDIX 2**

Aanderra RCM4 calibration specifications

Original (to accompany instrument)

Calibration points

| Ch. No. | Parameter    | Sensor                      | Range             | Calibration points and corresponding readings |       |       | Unit               |
|---------|--------------|-----------------------------|-------------------|-----------------------------------------------|-------|-------|--------------------|
| 1       | Reference    |                             |                   | Fixed reading, N: 870                         |       |       |                    |
| 2       | Temperature  | Sensor 1227                 | 10.08 to 36.00 C. | Cal. point                                    | 12.38 | 35.49 | °C                 |
|         |              |                             |                   | Reading, N                                    | 99    | 1009  |                    |
| 3       | Conductivity | Cell 2105<br>No. 7505       | 0-77              | Cal. point                                    | 0     | 48.16 | mmho/cm            |
|         |              |                             |                   | Reading, N                                    | 0     | 641   |                    |
| 4       | Pressure     | Sensor 1223<br>No. 52223-15 | 0-100 psi         | Cal. point                                    | 2     | 6     | kg/cm <sup>2</sup> |
|         |              |                             |                   | Reading, N                                    | 312   | 831   |                    |
| 5       | Direction    | Compass 1248<br>No. 11679   |                   | Cal. point                                    | 90    | 270   | degrees magn.      |
|         |              |                             |                   | Reading, N                                    | 255   | 772   |                    |
| 6       | Speed        | Counter 2542<br>No. 4745    | Selectable        | Individual units not calibrated               |       |       |                    |

Conductivity Cell, reading with sea water loop 100 ohm, N = 390

1000 ohm, N = 39

Coefficients of double coefficient formula

Value of parameter in given unit =  $(A + a) + (B + b) N + cN^2 + dN^3$

| Ch.No. | Parameter    | A       | a        | B                      | b         | c         | d        | Unit               |
|--------|--------------|---------|----------|------------------------|-----------|-----------|----------|--------------------|
| 1      | Reference    | 0       | 0        | 1                      | 0         | 0         | 0        |                    |
| 2      | Temperature  | 9.780   | 1.760E-1 | 2.506E-2               | -4.500E-4 | -1.549E-6 | 2.214E-9 | °C                 |
| 3      | Conductivity | 0       | 0        | 0.07513                | 0         | 0         | 0        | mmho/cm            |
| 4      | Pressure     | -0.4046 | 0        | 0.007707               | 0         | 0         | 0        | kg/cm <sup>2</sup> |
| 5      | Direction    | 1.500   | 0        | 3.490E-1               | 0         | 0         | 0        | degrees magn.      |
| 6      | Speed        | 1.500   | 0        | 2.800E-1 <sup>2)</sup> | 0         | 0         | 0        | cm/sec.            |

1) Cell form factor:  $K = 2,930$  cm<sup>1</sup>

2) Valid for 10 minutes sampling interval and rotor counter with 4 rev/count selected.

For other combinations of sampling interval and rev/count, use:

B =  $\frac{42 \cdot \text{rev/count}}{\text{sampling interval in sec.}}$

Place Northern Date 28/6 19 83

Signature T. Johnson

1.0333

## **APPENDIX 3**

Deployment trip log