Operating Instruction

System PM 100

WinPWT - Statistics

Version 1.00

DESIGNA

1. Statistics

General:

The statistics in Windows NT® software are compiled and managed in Excel®. Statistical data is saved in files in the Data Control Centre and then exported to the computer via the Access Database software in Windows NT®. Some basic knowledge of Excel would be a definite advantage when compiling some statistics.

All statistics and work sheets can be copied into other files and modified. Further details can be obtained in Microsoft Excel Help.

The operator is expected to enter a time period for all statistics (start and finish date) to obtain more detailed information.

After choosing the statistic the operator can choose from two options:

Designa's statistic contains the following separate statistics:

Occupation level statistic, How full the car park is.

Turnover statistic, Turnover at exits and pay stations.
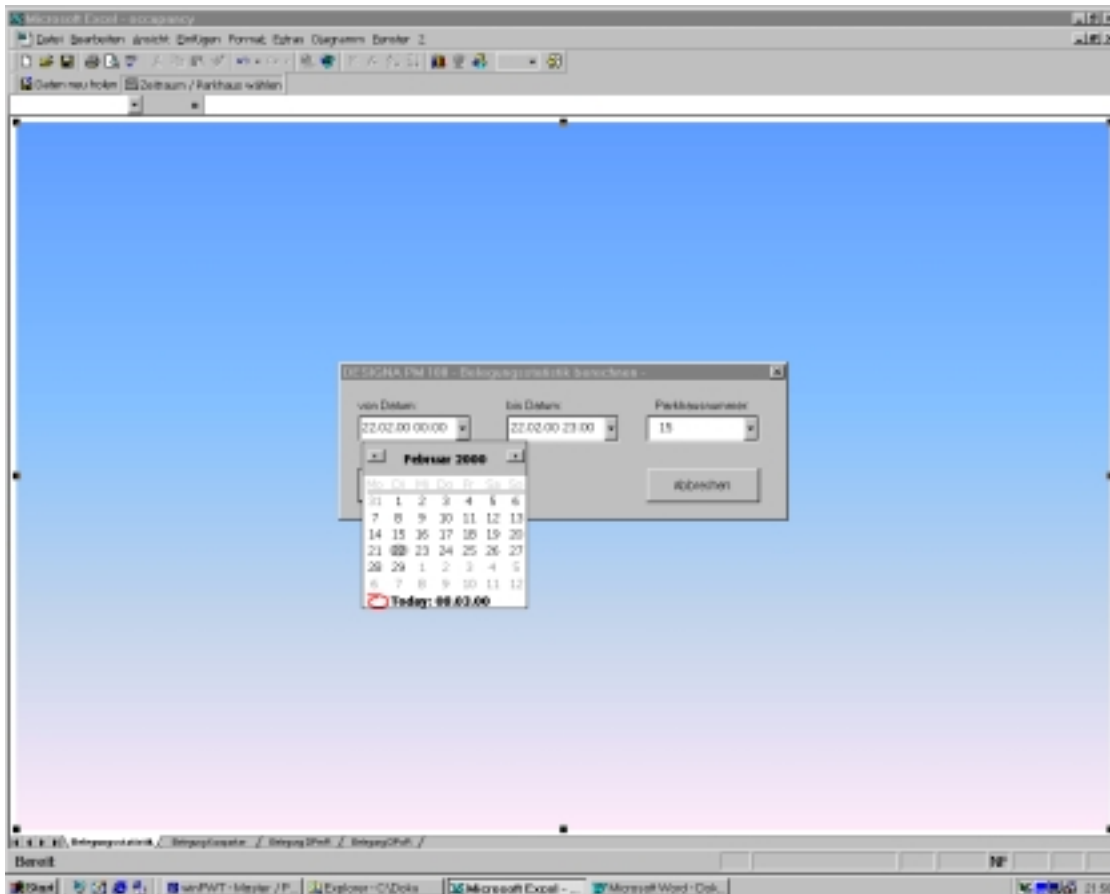
Throughput statistic, Transactions at entrances, exits and pay stations.

Time statistic, length of stay of different kinds of parker.

Value statistic, number of payments with different payment media.

1.1   General:

The evaluation period must be entered before the statistic can be called up. This is performed by clicking "choose time period/ car park". The arrow symbol in the date field opens a calendar where dates can be entered. Hours can be entered by marking the field (00:00).

1.2 Occupation statistic

The occupation level statistic contains occupation data of a car park over the chosen time period. Hourly average values are used.
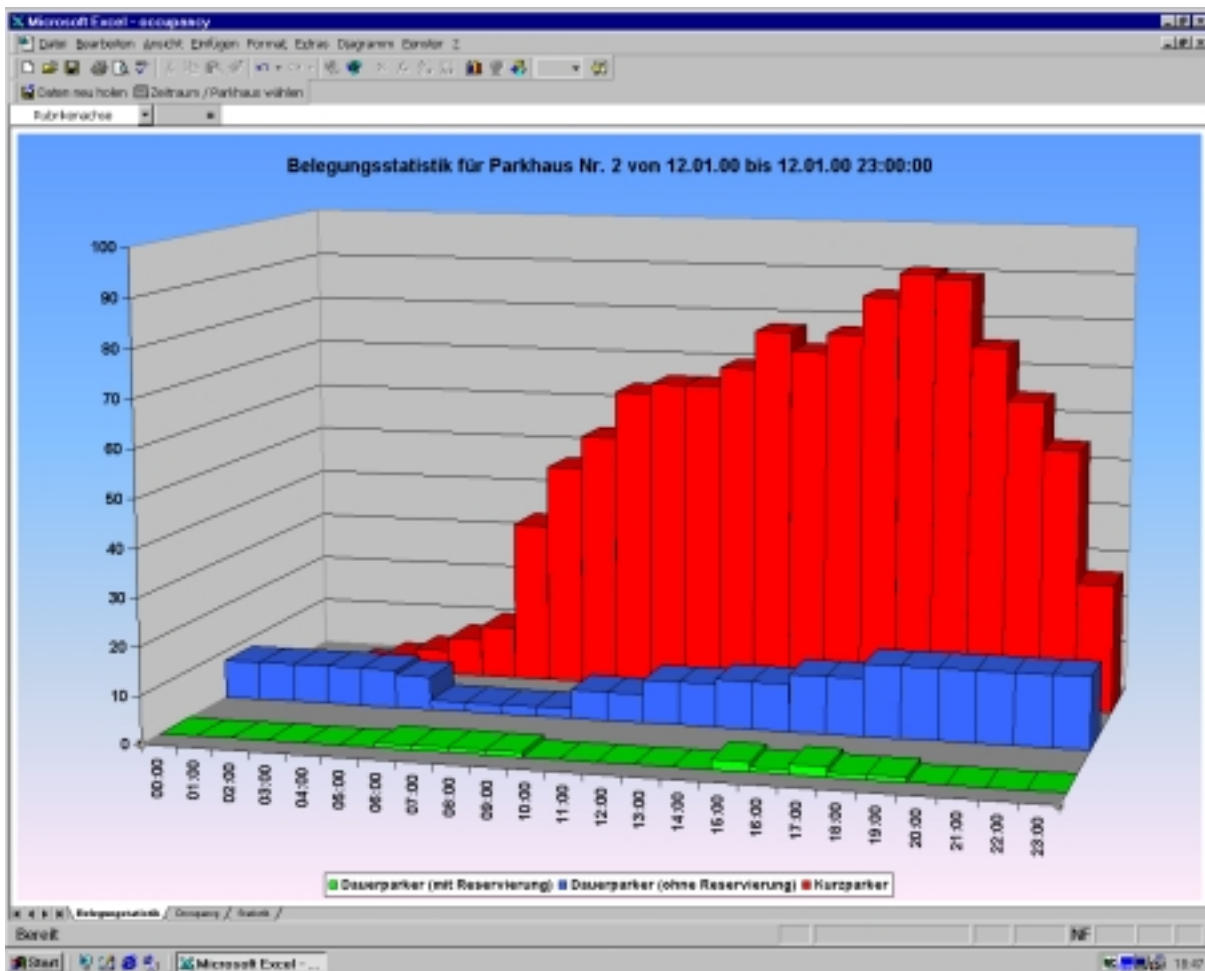
The statistic can differentiate between three types of parker:

Short-term parker
Season parker with reservation
Season parker without reservation

The occupation statistic contains several sides that contain different data.

Explanation :

Occupation statistic (graphical representation)

Tabular representation

S_pkh_num	s_pkh_datum	s_pkh_parkpl_kp	s_pkh_parkpl_dp1	s_pkh_parkpl_dp2
2	12.01.00 00:00	0	0	8
2	12.01.00 01:00	0	0	8
2	12.01.00 02:00	1	0	8
2	12.01.00 03:00	3	0	8
2	12.01.00 04:00	5	0	8
2	12.01.00 05:00	8	0	7
2	12.01.00 06:00	11	1	2
2	12.01.00 07:00	34	1	2
2	12.01.00 08:00	47	1	2
2	12.01.00 09:00	54	1	2
2	12.01.00 10:00	64	0	6
2	12.01.00 11:00	66	0	6
2	12.01.00 12:00	66	0	9
2	12.01.00 13:00	70	0	9
2	12.01.00 14:00	78	0	10
2	12.01.00 15:00	74	2	10
2	12.01.00 16:00	78	1	12
2	12.01.00 17:00	86	2	12
2	12.01.00 18:00	91	1	15
2	12.01.00 19:00	90	1	15
2	12.01.00 20:00	76	0	15
2	12.01.00 21:00	65	0	15
2	12.01.00 22:00	55	0	15
2	12.01.00 23:00	27	0	15

This table contains data for a graphical representation. The column headings have the following meaning:

s_pkh_num   Car park number
s_pkh_datum   Date and time
s_pkh_parkpl_kp   Number of short-term parkers
s_pkh_parkpl_dp1   Number of season parkers with reservation
s_pkh_parkpl_dp2   Number of season parkers without reservation

The table shows the following: In car park 2 on 12.01.2000 between 6.00 and 7.00 there were 11 short-term parkers, 1 season parker with reservation, and 2 season parkers without reservations.

1.3   Time statistic

The time statistic shows the parking times of the different types of parker in the car park. In addition the earnings from parkers over a period are recorded.

The following types of parker are shown in the statistic.

Short-term parker
Prepaid tickets
Season parkers with reservation
Season parkers without reservation
Discounted short-term parker tickets
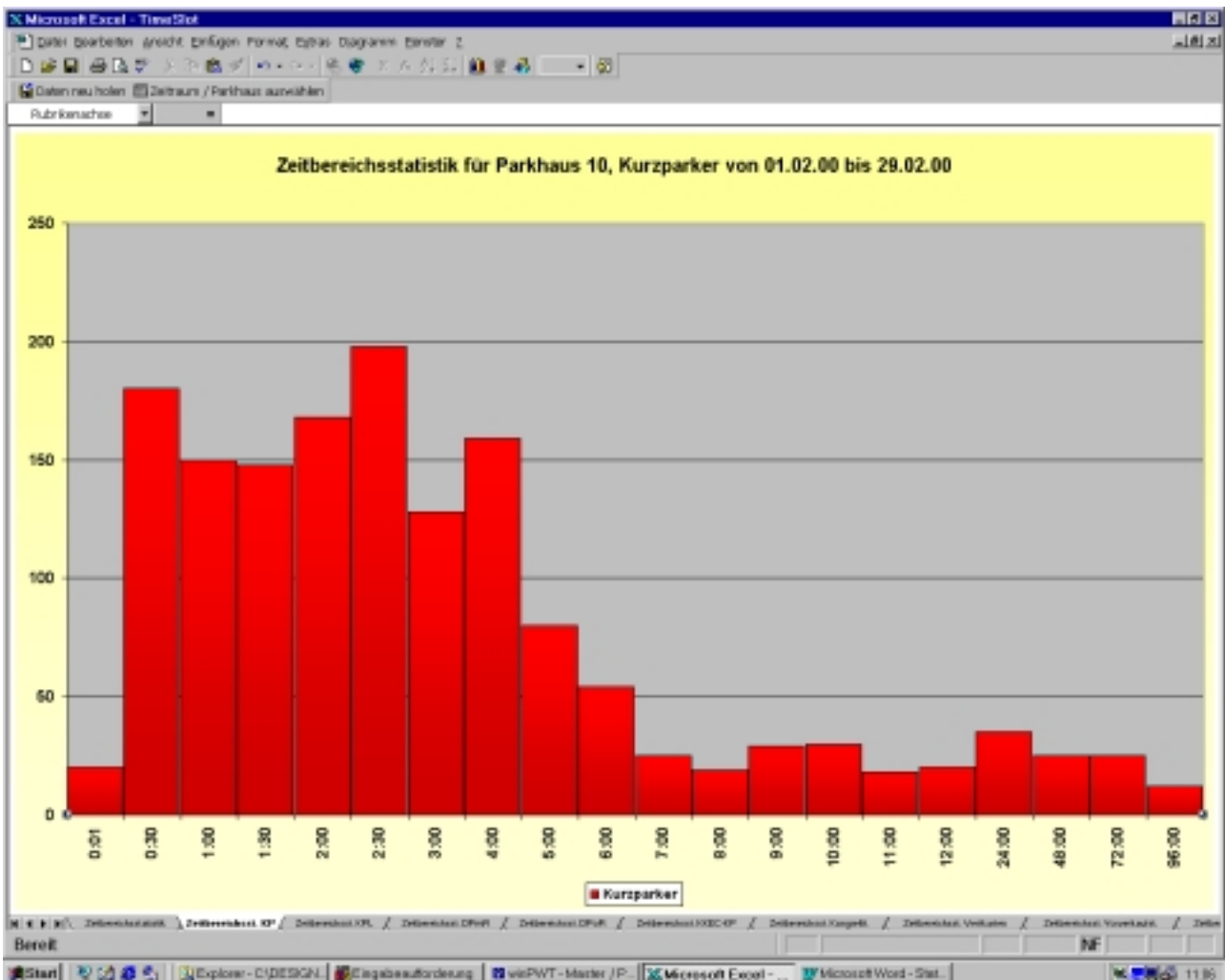Credit cards (providing the credit card was used at the entrance)
Congress tickets
Value cards

This statistic also contains several separate sheets.

Time statistic

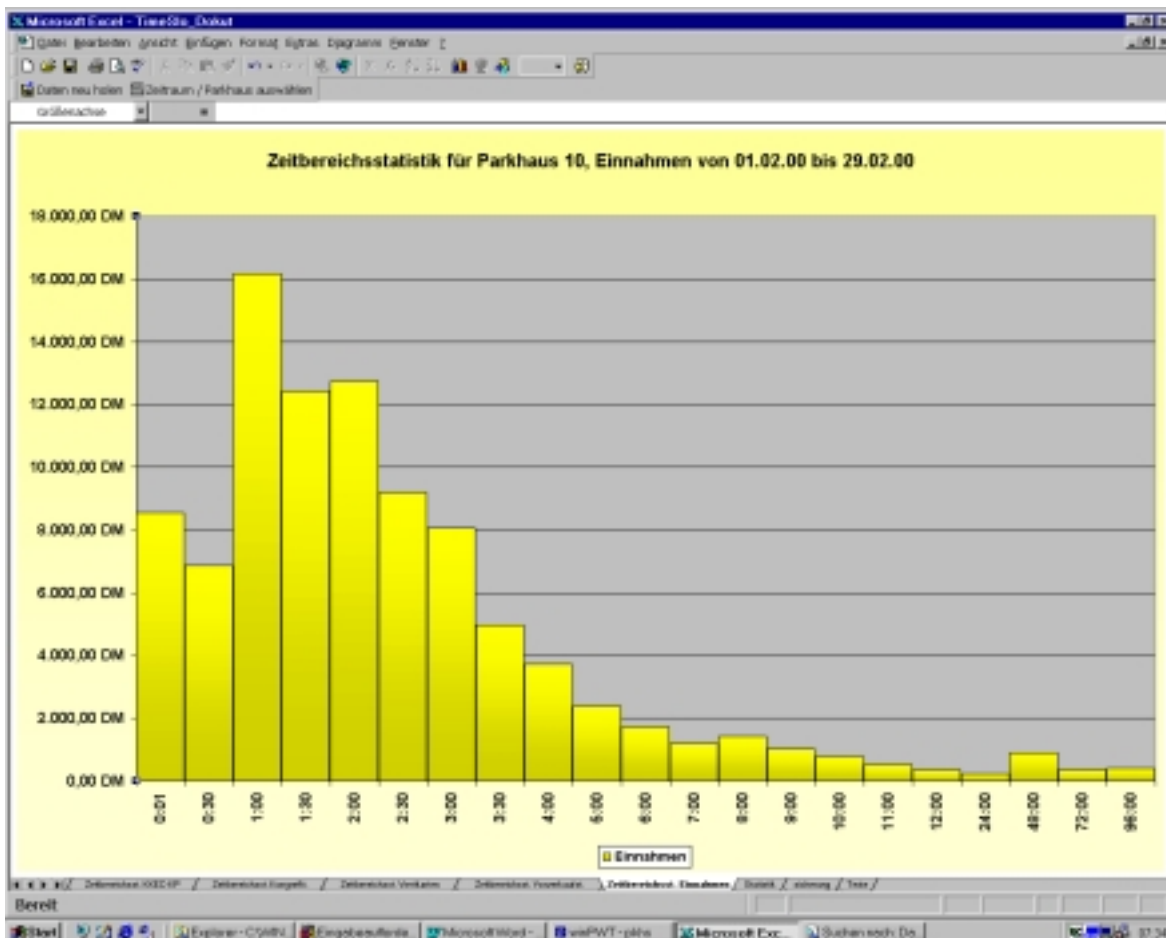This sheet contains a 3 D time statistic for all areas.

Time statistic ST parkers

Overview of the time statistic for short-term parkers. This two-dimensional representation is valid for all kinds of ST tickets.

Earnings over time

This chart is a graphical representation of the earnings from all the kinds of parker over this time period. It must be considered that earnings that cannot be allocated to a time period, e. g. value for card reloading is booked in the smallest time period (here 1 minute).

Statistic

Data source for the graphical evaluation.

DO NOT CHANGE THIS SHEET !!!!					
		0:01	0:30	1:00	1:30
ZBE-HT		20	180	150	140
ZBE-HTD		0	50	47	58
ZBE-SP1		0	15	42	39
ZBE-SP2		0	0	0	0
ZBE-CC		0	0	0	0
ZBE-CG		5	19	159	158
ZBE-DEB		0	0	0	0
ZBE-PPT		0	0	0	0
Revenue		0,00 DM	90,00 DM	150,00 DM	210,00 DM

Attention: The data on this side should not be changed.

1.4   Throughput statistic (based on exits)

The throughput statistic shows how many transactions have taken place at a terminal. The smallest time interval here is 15 minutes. There are separate statistics for entrance, exit and pay stations.

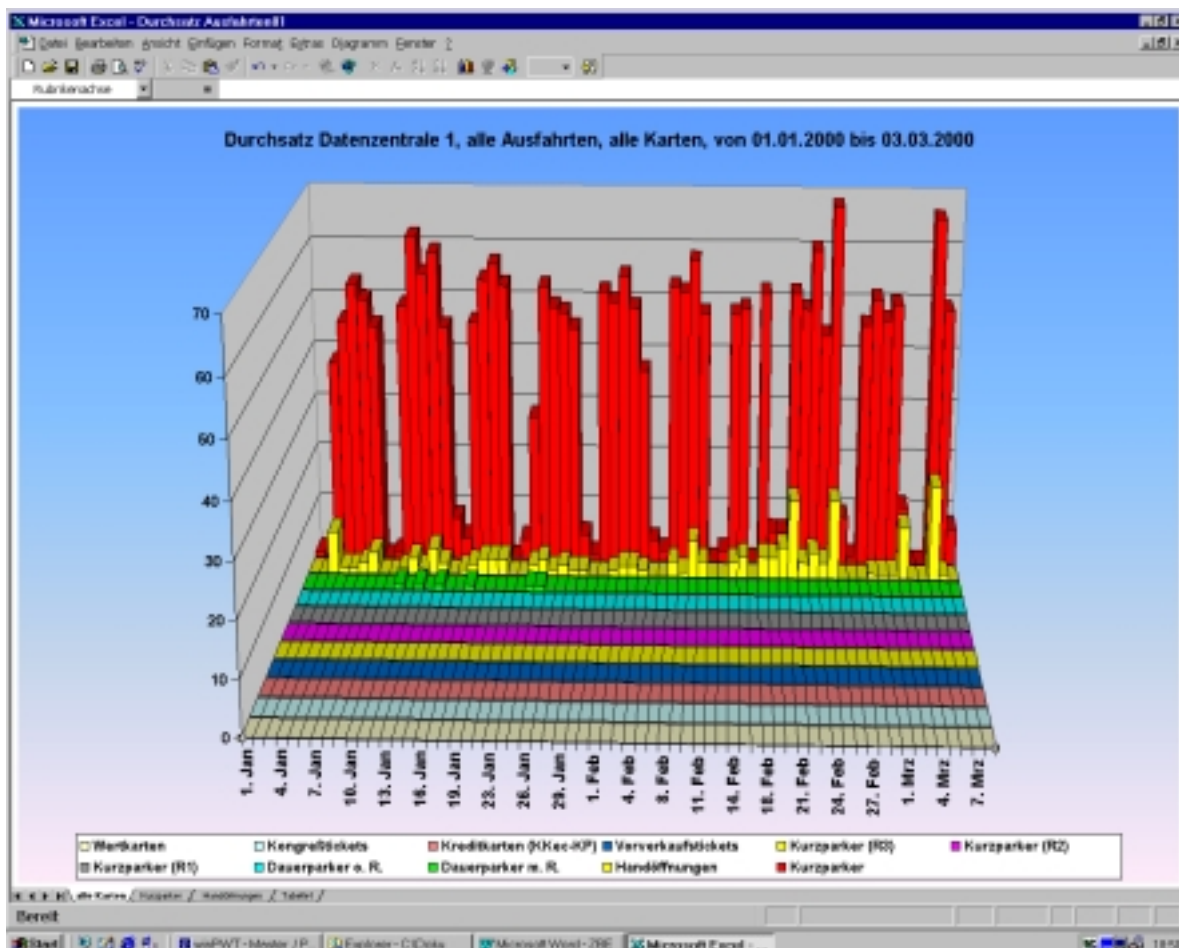Statistics about individual terminals (TCC Number) can be selected along with the car park (TCC number).

This statistic contains several pages

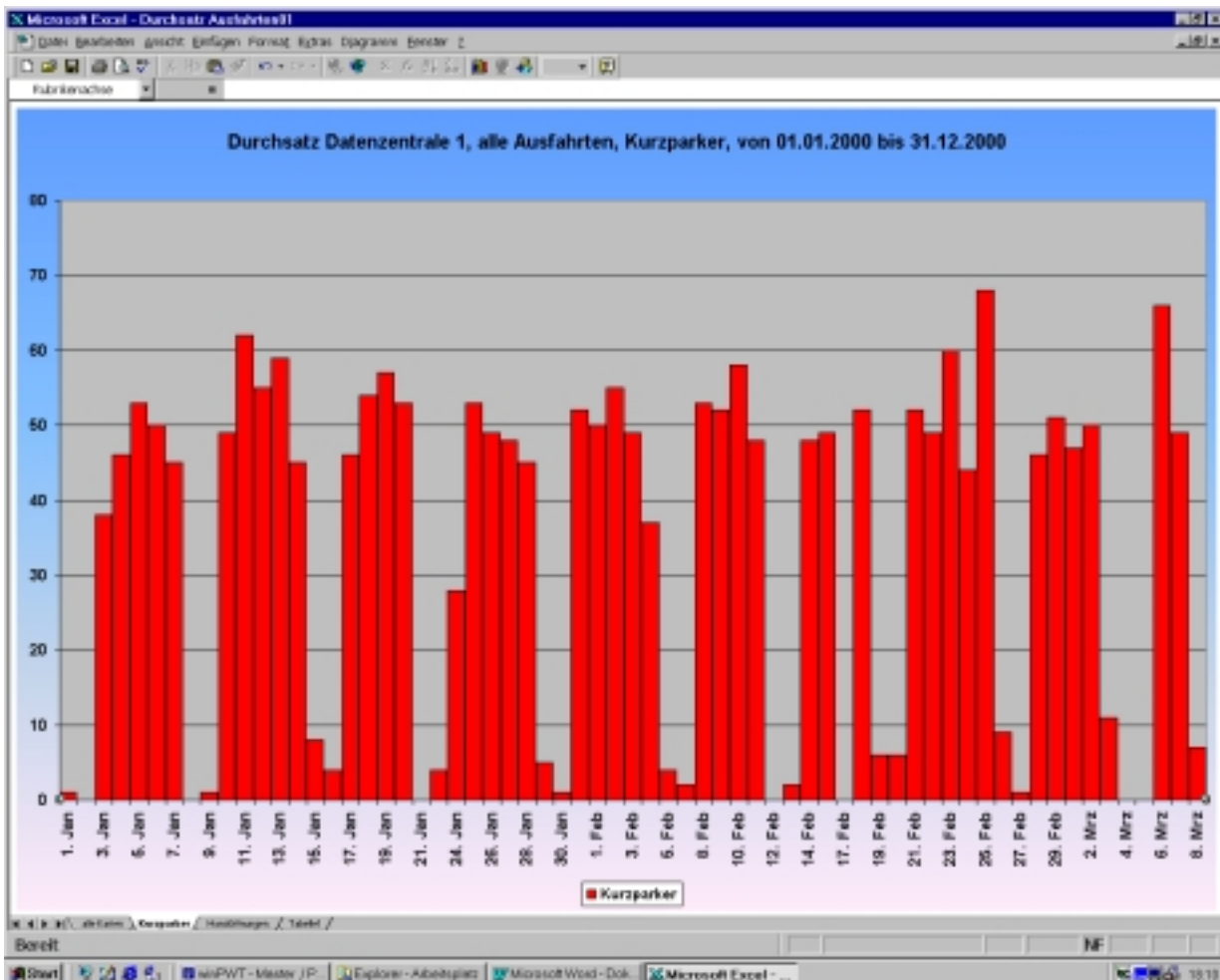### <u>All tickets</u>

This sheet contains the following data, e.g.

Number of different tickets processed
Number of hand openings

Short-term parker

This side contains the data for processed short-term tickets over a fixed.

Table

Contains the data that is used for the graphical evaluation. Here is a selection:

s_aus_datum	ST parker	LT parker with Res.	LT parker w/o Res.	Value card	Congress tickets	Credit Cards (Kkec-KP)
01.01.00 23:59	1	0	0	0	0	0
02.01.00 23:59	0	0	0	0	0	0
03.01.00 23:59	38	0	0	0	0	0
04.01.00 23:59	46	0	0	0	0	0
05.01.00 23:59	53	0	0	0	0	0
06.01.00 23:59	50	0	0	0	0	0
07.01.00 23:59	45	0	0	0	0	0
08.01.00 23:59	0	0	0	0	0	0
09.01.00 23:59	1	0	0	0	0	0

1.5   Value statistic

The value statistic contains the number of payments in different "value areas". In addition the forms of payment for different charges are shown. The value area must be fixed in the DCC.
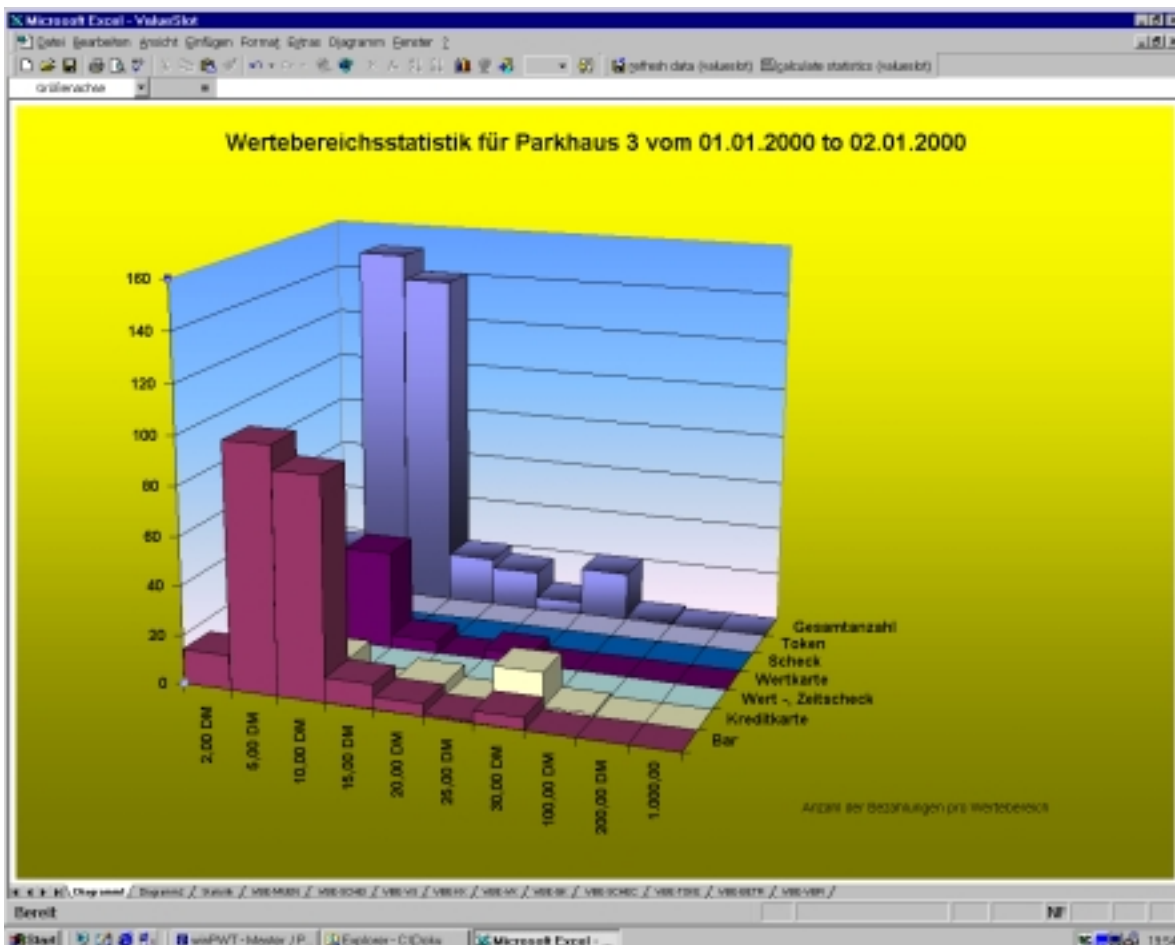
Following forms of payment are shown:

Token
Cheque
Value card
Value and time cheques
Credit cards
Cash

Diagram

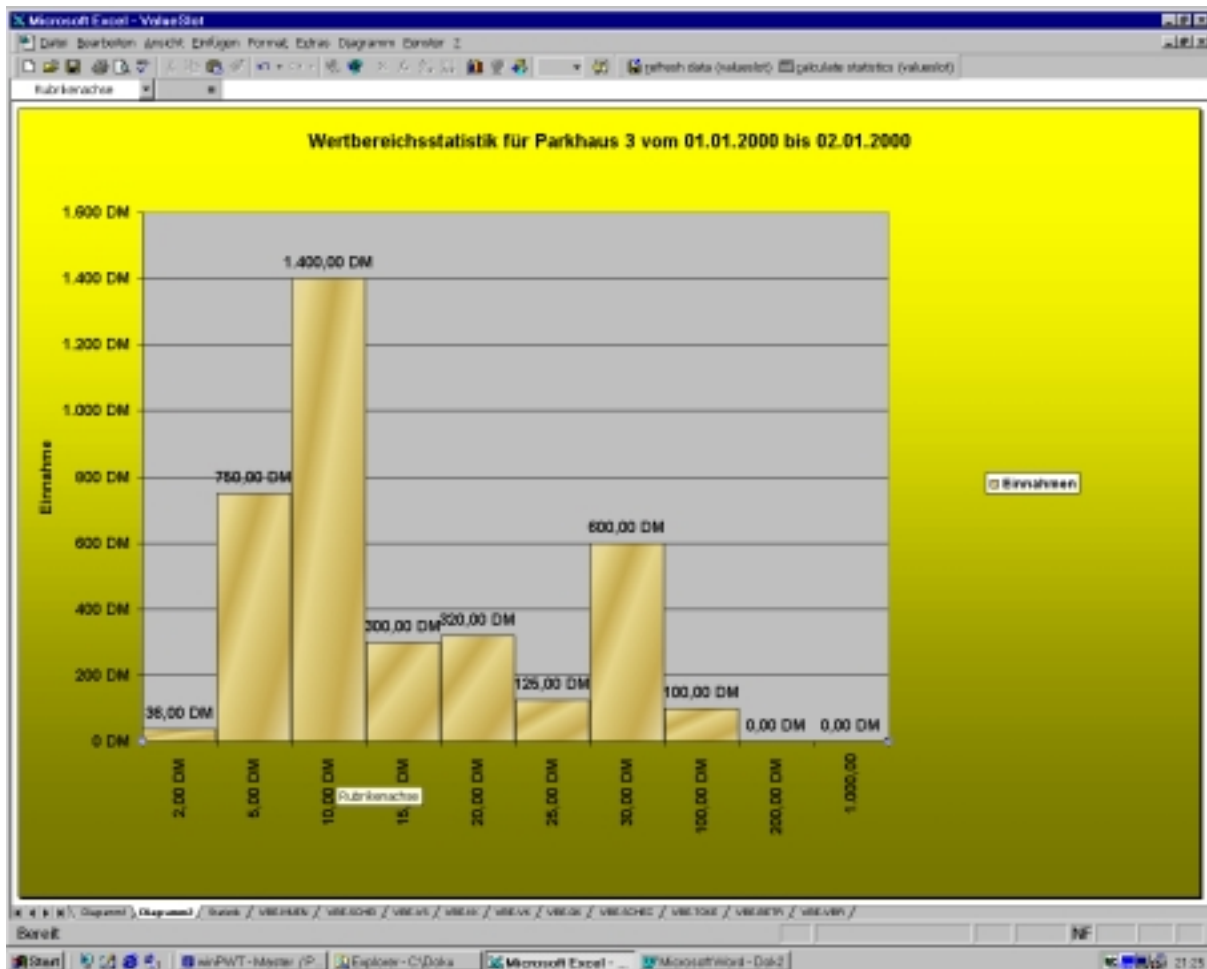This sheet shows the number of payments per type of payment in the different value areas.

Explanation: There were around 100 cash payments between 2 DM und 5 DM

Earnings

This sheet shows which earnings come from which car park services.

Explanation: 1.400 DM has been booked in the value area 5 DM to 10 DM.

Table

This sheet contains data that are used for graphical representations

DO NOT CHANGE THIS SHEET !!!!		2,00 DM	5,00 DM	10,00 DM
Total number		18	150	140
Cash		14	100	90
Credit card		1	40	10
Value/time cheque		0	0	0
Value card		0	10	40
Cash card		3	0	0
Cheque		0	0	0
Token		0	0	0
Earnings		36,00 DM	750,00 DM	1.400,00 DM

2. Shift report

All data from the car park over a defined period is listed in a shift report (from the start of the shift to the end of the shift). When required a shift report can contain data from one or more car parks. The period covered by the shift report can be chosen at free will. The end of a shift and the beginning of a new shift are marked automatically by a change of personnel. Where necessary historical shift reports can be combined over a given period to form an overview shift report.

A shift report can be drawn up by clicking "shift report" on the desktop. Details of the time period to be covered must be entered before a shift report can be compiled. Following mask appears after calling up the programme:
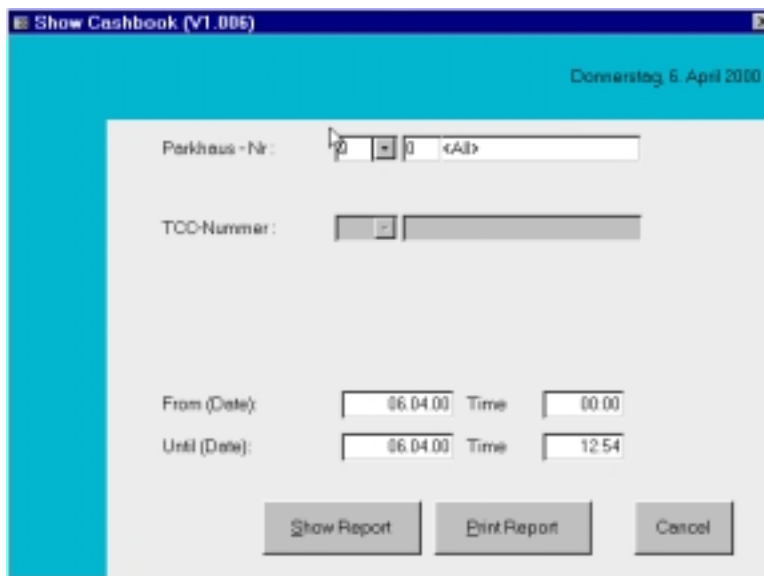

Here one can choose whether a single shift or a summary of several shifts should be shown.
An overview of the separate shifts can be obtained by activating "shift list" on the interface.

A shift report can be displayed on the screen or printed on paper.

3. Cashbook

All earnings from extracting end cassettes, coding cards at manual cashier, and all filling of tubes or hoppers for a specified area are shown in the cashbook.

One can call up the cashbook module by clicking the symbol "cashbook" on the desktop. Afterwards the following programme appears on the screen:

The cashbook can be shown or printed after selecting a car park and terminal (or all terminals together), and specifying the time period. All earnings are listed in the cashbook according to the kind of ticket and earnings (coin, note, credit card,..).