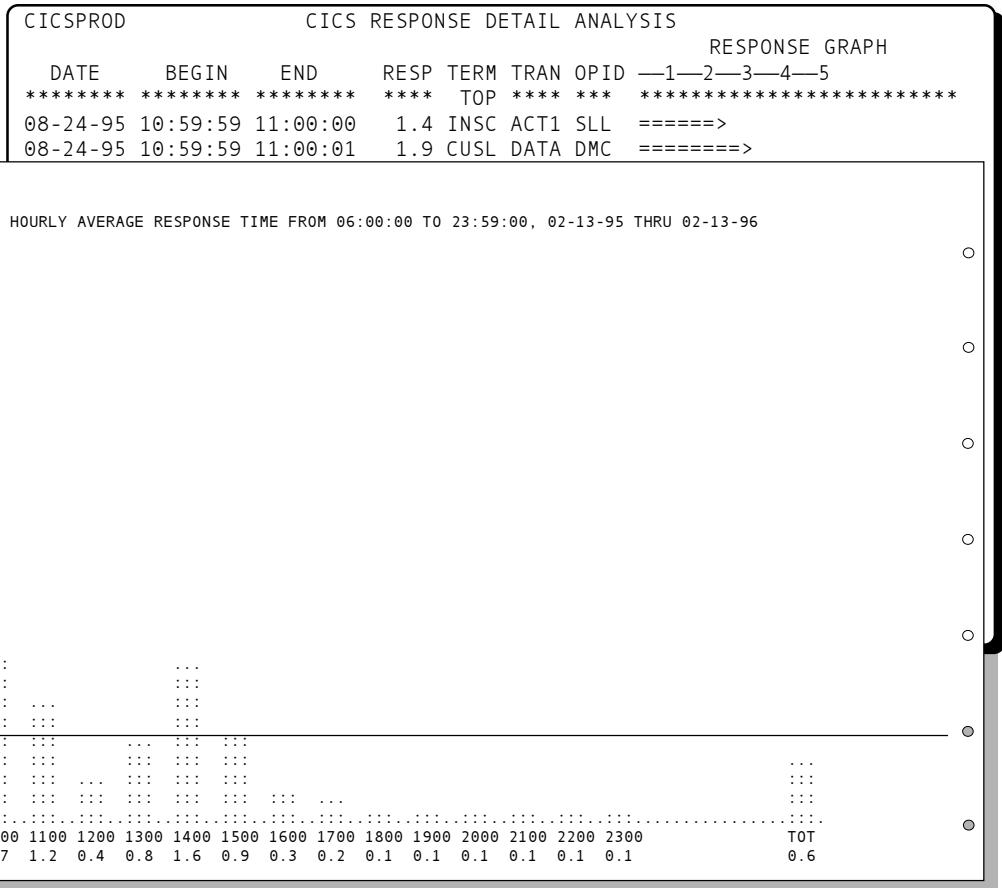

CICS/RESPONSE TIME MONITOR





- **Monitor all terminal response times** and isolate those transactions which need attention.
- **Virtually no overhead.** CICS RTM uses its own data collection technique. CICS RTM does not use the CICS monitoring facility.
- **Great as a stand-alone** or as a complement to your existing CICS monitor.
- **Online displays of terminal transactions** showing time-of-day, response time, terminal ID, transaction ID, and operator ID.
- **Online displays of average response time** graphically displayed for user specified intervals.
- **Online displays of terminal transactions** that have exceeded user specified thresholds.
- **Online or console notification** when user specified exception events are detected.
- **Automatically LOGS** all CICS terminal transactions.
- **Fully colored screens**
- **Menu and PF key driven** with HELP screens throughout.
- **Comprehensive batch reports**
 - *Detail Report* listing individual response times by terminal, transaction, operator, start time and day, and end time and day. Sort the reports by terminal, transaction, operator, or response time.
 - *Summary Report* listing the average response time and number of transactions for each terminal and/or transaction and/or operator ID.
 - Can be specified to sort in any order with multi-level control breaks.
 - *TOP 50 Report* listing the TOP 50 terminals, TRANs or OPIDs with the highest average response time.
 - *TOP 50 Report* listing the TOP 50 terminals, transactions, or operators with the highest number of transactions.
 - *Average Response Time* graphically listing the average response time for your CICS for each hour, for each day, or for each month.



Online Displays

The **CICS/RESPONSE TIME MONITOR INITIAL MENU** serves as an entrance to all CICS RTM online functions.

```
MACKINNEY SYSTEMS      CICS/RESPONSE TIME MONITOR
                          INITIAL MENU
                          WELCOME TO CICS/RESPONSE TIME MONITOR

PF2 - PARMs  - To install and review CICS/RESPONSE TIME MONITOR parameters.
              - To SETUP/ADD/CHANGE parameters.
              - To START/STOP the monitor collection.

PF3 - EXIT   - To exit to CICS.

PF4 - RESP   - To graphically display transaction counts, percentage, and
  GRAPH      - average response time for user specified time intervals.
              3 rolling graphs and 1 overall graph are displayed.

PF5 - SELECT - To display the selection menu allowing you to enter SEARCH
  MENU       - CRITERIA to display CICS terminal transactions in
  —          - order of occurrence for specific times, dates, TERMIDs,
  TRANS      - TRANSIDs, OPERATOR IDs, and RESPONSE TIMES.
  —          - The SELECT MENU can also be used to display all CICS
  EXCEPTIONS - terminal transactions that have exceeded user specified
              thresholds. Thresholds can be in any combination on
              TERMID, TRANID, OPERATOR ID, and/or RESPONSE TIME.
```

PF5 displays the *TRANSACTION SELECTION MENU*. This menu allows the user to specify criteria for subsequent displays. The user can limit the monitor displays by specifying terminal id, transaction id, operator id, response time, start and end time, and date.

```
MACKINNEY SYSTEMS      CICS/RESPONSE TIME MONITOR
                          TRANSACTION SELECTION MENU

KEY any selection information you wish below and press ENTER for CICS
transactions or PF6 for CICS/RTM EXCEPTION transactions. Defaults are set
to all transactions for the current date.

      SELECT TRANSACTION INFORMATION
      TERM  TRAN  OPID  TIME  TRANS-WITH-RESP  You can use an "*" as
      ****  ****  ***   > N SECS  a generic character for
      00000 00000 00000 00000 00000  TERMID,TRANID, and OPID

      INCLUSIVE DISPLAY TIMES
      START TIME 00 00 00      Times and dates are
                              inclusive and limit the
      DATE 02 07 95          display to those CICS
                              transactions that ended
      END TIME==> 23 59 50    within these times.
      DATE==> 02 07 95

                              *** TEMPORARY OVERRIDE ***
                              * GRAPH RANGE FROM 0 TO 05
PF1-HELP  ENTER-DISPLAY CICS TRANSACTIONS  PF6-DISPLAY CICS/RTM EXCEPTIONS
```

By specifying a START TIME of 11 00 00 and END TIME of 12 00 00 and TIME > N SECS equal to 1 on the *TRANSACTION SELECTION MENU*, the **DETAIL ANALYSIS SCREEN** (below) will list all transactions with transaction ending times between 11:00 A.M. and 12:00 noon that have a response time of one second or greater. Pressing ENTER will result in a **DETAIL ANALYSIS SCREEN** similar to this screen.

```

CICSPROD                CICS RESPONSE DETAIL ANALYSIS                RESPONSE GRAPH
DATE    BEGIN    END    RESP TERM TRAN OPID    ---1---2---3---4---5
*****
08-24-95 10:59:59 11:00:00 1.4 INSC ACT1 SLL    =====>
08-24-95 10:59:59 11:00:01 1.9 CUSL DATA DMC    =====>
08-24-95 11:00:00 11:00:02 1.5 PURA CSPG DKR    =====>
08-24-95 11:00:00 11:00:01 1.0 ACTD CSTP KJC    =====>
08-24-95 11:00:00 11:00:04 3.5 SECA CSAC BML    =====>
08-24-95 11:00:01 11:00:11 10.2 MEFA CSPG EEW    ===== 10.2 =====>
08-24-95 11:00:01 11:00:02 1.0 ACTH NALA LBS    =====>
08-24-95 11:00:01 11:00:02 1.1 INSA CSTP MPB    =====>
08-24-95 11:00:01 11:00:03 2.1 ACTH NANL LBS    =====>
08-24-95 11:00:01 11:00:03 1.6 ACTD DONM KJC    =====>
08-24-95 11:00:02 11:00:04 1.7 AGSM CEMT PRM    =====>
08-24-95 11:00:02 11:00:04 1.5 MEFA WMAI EEW    =====>
08-24-95 11:00:02 11:00:03 1.0 SECA CSTP BML    =====>
08-24-95 11:00:02 11:00:03 1.1 DEPB WM70 SKW    =====>
08-24-95 11:00:02 11:00:03 1.1 PD02 DATA LAB    =====>
08-24-95 11:00:03 11:00:05 2.1 FM51 NALA SDG    =====>
08-24-95 11:00:04 11:00:05 1.0 HY1F CSTP STS    =====>
08-24-95 11:00:04 11:00:12 8.3 MEFA CSPG EEW    ===== 8.3 =====>
08-24-95 11:00:04 11:00:05 1.1 DEPB DATA SKW    =====>
CLEAR-EXIT    PF1-HELP    PF3-MENU    PF7-BACKWARD    PF8-FORWARD
  
```

Entering PF4 on the initial menu will display the **RESPONSE TIME RANGES SCREEN**. This screen will give an overview of response times for this CICS. It shows four graphic displays summarizing response times for all transactions. The first three graphs summarize response times for the three most recent time intervals (the time interval is user specified). The fourth graph summarizes response times for all transactions from the time the response time monitor was last enabled. Following is an example of the **RESPONSE TIME RANGES SCREEN**.

```

CICSPROD                CICS/RESPONSE TIME RANGES                AUTO REFRESH 5.0 SECS
08/24/95 11:30 15 MINS  AVG-RSP 0.6    08/24/95 11:15 15 MINS  AVG-RSP 0.5
NO.      1      2      3      4      5    NO.      1      2      3      4      5
SECS  TRANS % +-0-0-0-0-0-0    SECS  TRANS % +-0-0-0-0-0-0
0-1  6270  88 ===== 88 =====> 0-1  6570  89 ===== 89 =====>
1-2   585   8 =>                    1-2   591   8 =>
2-3   222   3 =>                    2-3   153   2 =>
3-4    12   0                    3-4    30   0
4-5     9   0                    4-5     3   0
5-6     0   0                    5-6     3   0
6->    18   0                    6->    21   0
7,116 TOTAL TRANS                7,371 TOTAL TRANS
08/24/95 11:00 15 MINS  AVG-RSP 0.4    08/24/95 05:00 COMBINED AVG-RSP 0.4
NO.      1      2      3      4      5    NO.      1      2      3      4      5
SECS  TRANS % +-0-0-0-0-0-0    SECS  TRANS % +-0-0-0-0-0-0
0-1  5862  91 ===== 91 =====> 0-1  90,006 90 ===== 90 =====>
1-2   393   6 ==>                    1-2   7,041   7 ==>
2-3   132   2 >                      2-3   2,337   2 >
3-4    21   0                    3-4    72   0
4-5     6   0                    4-5    21   0
5-6     6   0                    5-6    15   0
6->    15   0                    6->   135   0
6,435 TOTAL TRANS                99,627 TOTAL TRANS
CLEAR->EXIT    PF1->HELP    PF2->START/STOP REFRESH    OTHER KEYS->MENU
  
```

In this example the summary interval is 15 minutes. That is, every 15 minutes each of the three time interval graphs is replaced with the next more current graph. The oldest is rolled off and a new 15 minute interval graph is started.

The COMBINED graph shows the combined response times for all transactions since the monitor was last enabled (05:00 A.M. in this example).

Please note in this example AUTO REFRESH is ON. This means that every x seconds (or minutes) the data on the screen will automatically be updated. The refresh interval is specified by the user.



Online Displays (continued)

CICS/RESPONSE TIME MONITOR gives you the capability to specify transaction related criteria for which you can automatically be notified should any of the exception conditions be detected.

Exception conditions can be specified by terminal id, transaction id, operator id, and response time or any combination of these criteria. Ranges of exception conditions (i.e. terminals L200 through L299, transactions AC00 through AC99, RESPONSE TIME > 2, etc.) can also be specified.

If you wish, you can have your current transaction interrupted for immediate notification when any exception criteria is detected. This can be used to warn tech support when response times exceed desired maximums, and it can be a security tool for monitoring sensitive transactions.

All exceptions detected can be reviewed at any time by pressing PF6 on the *TRANSACTION SELECTION MENU* to obtain an **EXCEPTION ANALYSIS SCREEN** similar to the below.

CICS/PROD			CICS RESPONSE EXCEPTION EXCEPTIONS DETECTED										
DATE	BEGIN	END	RESP	TERM	TRAN	OPID	TERM	TRAN	OPID	RESP			
----- TOP -----													
08-24-95	14:12:03	14:12:06	2.9	L112	AC02	SMJ	****	****	AC00	AC99	***	***	2
08-24-95	14:20:23	14:20:34	11.2	L216	AC13	SLL	****	****	AC00	AC99	***	***	2
08-24-95	14:25:18	14:25:20	2.0	L120	AC20	DMC	****	****	AC00	AC99	***	***	2
08-24-95	14:25:35	14:25:44	8.4	L123	AC24	SCM	****	****	AC00	AC99	***	***	2
08-24-95	14:30:04	14:30:07	2.7	P128	CEDF	SDG	****	****	CEAA	CE99	***	***	0
08-24-95	15:30:11	14:30:13	2.0	P141	CECI	STS	****	****	CEAA	CE99	***	***	0
08-24-95	15:39:09	14:39:11	2.3	P134	CEDF	EEW	****	****	CEAA	CE99	***	***	0

CLEAR-EXIT PF1-HELP PF3-MENU PF7-BACK PF8-FORW

The above screen was generated by specifying 2 sets of exception criteria. The first was for all transactions from AC00 through AC99 with response times of 2 seconds or greater. The second criteria set was for all transactions from CEAA through CE99.

Batch Reports

MACKINNEY SYSTEMS			CICS RESPONSE TIME MONITOR					
DATE	TIME		RESP	TERM	TRAN	OPID	COST	
TRANSACTION DETAIL								
							----1----2----3----4----5	
08-30-95	13:34:08	13:34:20	11.9	LC01	RHON	===== 11.9 =====>	\$.1190	
08-30-95	13:31:15	13:31:16	1.1	LC01	RHON	=====>	\$.0110	
08-30-95	13:35:03	13:35:04	1.1	LC01	RHON	=====>	\$.0110	
08-30-95	12:44:39	12:44:39	.5	LC01	PROB EBR	==>	\$.0050	
08-30-95	12:44:34	12:44:34	.4	LC01	CSSN	=>	\$.0040	
08-30-95	13:33:34	13:33:35	.4	LC01	RHON	=>	\$.0040	
08-30-95	12:44:37	12:44:37	.2	LC01	PROB EBR	>	\$.0020	
08-30-95	13:00:16	13:00:24	8.3	L205	WMRN RWK	===== 8.3 =====>	\$.0830	
08-30-95	10:56:03	10:56:05	2.0	L205	IMFU RWK	=====>	\$.0200	
08-30-95	08:06:11	08:06:12	1.7	L205	PRES RWK	=====>	\$.0170	
08-30-95	10:23:32	10:23:33	1.3	L205	DUMP RWK	=====>	\$.0130	
08-30-95	08:10:38	08:10:39	1.1	L205	PRES RWK	=====>	\$.0110	
08-30-95	08:10:38	08:10:39	1.1	L205	PRES RWK	=====>	\$.0110	
08-30-95	08:57:55	08:57:56	.8	L205	WMRN RWK	=====>	\$.0080	
08-30-95	09:01:21	09:01:22	.8	L205	WMSE RWK	=====>	\$.0080	
08-30-95	10:48:59	10:49:00	.8	L205	IMFU RWK	=====>	\$.0080	
08-30-95	13:00:26	13:00:27	.8	L205	WMSE RWK	=====>	\$.0080	
08-30-95	12:59:20	12:59:20	.7	L205	WMDN RWK	=====>	\$.0070	
08-30-95	13:01:07	13:01:08	.7	L205	DUMP RWK	=====>	\$.0070	
08-30-95	09:01:10	09:01:11	.6	L205	WMSE RWK	=====>	\$.0060	
08-30-95	10:58:26	10:58:27	.6	L205	IMFU RWK	=====>	\$.0060	
08-30-95	13:09:19	13:09:19	.6	L205	WMDO RWK	=====>	\$.0060	
08-30-95	13:47:22	13:47:22	.6	L205	DUMP RWK	=====>	\$.0060	
08-30-95	14:12:55	14:12:56	.6	L205	DUMP RWK	=====>	\$.0060	
08-30-95	15:06:42	15:06:43	.6	L205	DUMP RWK	=====>	\$.0060	
08-30-95	08:56:31	08:56:32	.5	L205	WMDN RWK	=====>	\$.0050	
08-30-95	08:56:31	08:56:32	.5	L205	WMDN RWK	=====>	\$.0050	
08-30-95	09:04:54	09:04:54	.5	L205	WMRN RWK	=====>	\$.0050	
08-30-95	10:41:11	10:41:12	.5	L205	DUMP RWK	=====>	\$.0050	

CICS/RESPONSE TIME MONITOR contains useful batch reporting facilities. Above is a *DETAIL REPORT* listing individual response times by user specified terminals, transactions, operators, start time and day, and end time and day. This report is in roster format and can be sorted by terminal id, transaction id, operator id, response time, or any combination of these.

Note that this report contains only terminals beginning with 'L' and it is sorted in terminal id order first and response time order second. The **SORT ORDER** is designated by **TERM** first and by **RESP** second (**RESP** within **TERM**). Response time is always sorted largest to smallest. An optional user designated cost of \$.010 has been calculated for each second used. The user can specify alternative sort orders to meet his specific needs.



Batch Reports (continued)

The Summary Report lists the average response time and number of transactions for each terminal, transaction and/or operator id. It can be sorted in any order based on the user's needs. Control breaks are done on each indicated level of sorting. Following is a sample.

MACKINNEY SYSTEMS			CICS RESPONSE TIME MONITOR TRANSACTION SUMMARY			17:15:35: 02-14-96 PAGE 1		
			RESPONSE GRAPH			FROM 00:00:00 TO 23:59:00 08-10-95 THRU 08-10-95		
TERM	TRAN	TRANS	RESP	-----1-----2-----3-----4-----5	COST			
T01A	I\$\$\$P	25	1.9	=====>	\$.4900			
T01A	I\$\$\$1	421	.1		\$.6640			
T01A	IE\$L	50	.0		\$.0190			
T01A	IE\$1	75	2.3	=====>	\$1.7290			
T01A	IES1	4	.1		\$.0070			
T01A	IESL	9	.9	====>	\$.0880			
T01A	IESM	3	1.1	====>	\$.0330			
T01A	IESP	15	.0		\$.0090			
T01A	IESQ	10	2.3	=====>	\$.2320			
T01A	IESR	4	1.4	=====>	\$.0580			
T01A	----	616	.5	=>	\$3.3290			
T01B	I\$\$\$3	74	.7	=>	\$.5200			
T01B	IE\$1	2	3.8	=====>	\$.0770			
T01B	----	76	.7	=>	\$.5990			
T03A	I\$\$\$P	19	1.6	=====>	\$.3130			
T03A	I\$\$\$1	244	.2	>	\$.6500			
T03A	IE\$L	25	.0		\$.0110			
T03A	IE\$1	36	2.8	=====>	\$1.0140			
T03A	----	324	.6	=>	\$1.9880			
T03B	IETA	2	7.7	===== 7.7 =====>	\$.1550			
T03B	----	2	7.7	===== 7.7 =====>	\$.1550			
T03C	I\$\$\$P	13	2.2	=====>	\$.2960			
T03C	I\$\$\$1	186	.4	=>	\$.9570			
T03C	IE\$1	14	.7	=>	\$.1050			
T03C	IESQ	8	1.6	=====>	\$.1280			
T03C	IESR	16	.6	=>	\$.1110			
T03C	----	237	.6	=>	\$1.5370			
T03D	I\$\$\$P	5	5.4	===== 5.4 =====>	\$.2720			
T03D	I\$\$\$1	44	.3	>	\$.1480			
T03D	IE\$L	4	.0		\$.0030			
T03D	IE\$1	10	2.3	=====>	\$.2370			
T03D	----	63	1.0	=====>	\$.6600			
T04A	I\$\$\$P	1	6.1	===== 6.1 =====>	\$.0610			
T04A	I\$\$\$1	3	.0		\$.0020			
T04A	IE\$1	1	.2	>	\$.0020			

This example is sorted by terminal id with a control break and summary with each terminal id change.

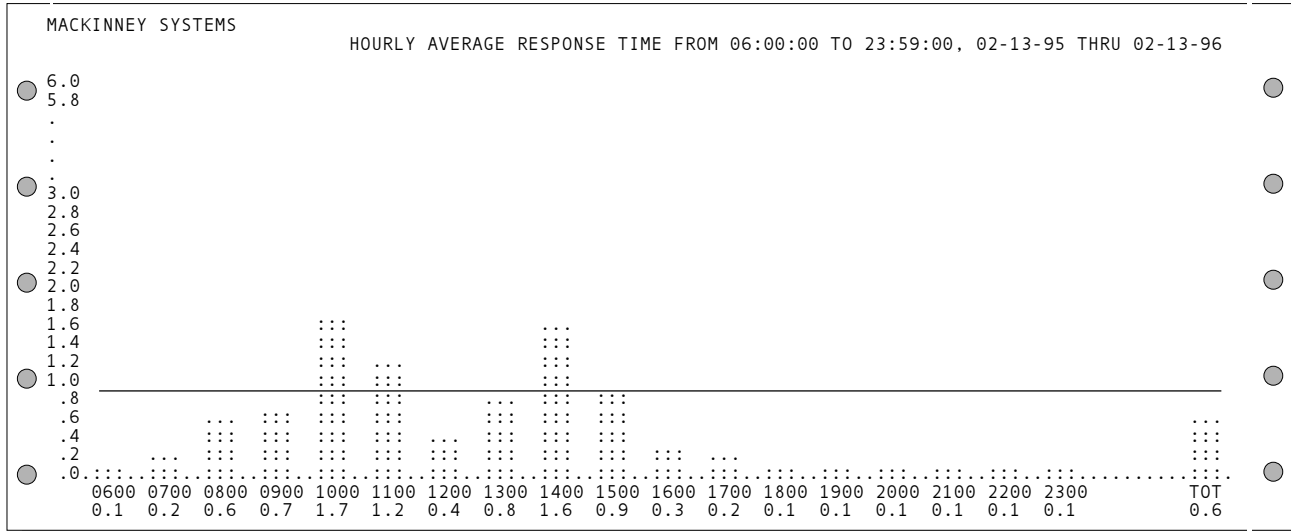
An associated TOP 50 Report indicates the 50 terminals (transaction or operator id) with the highest average response time.

MACKINNEY SYSTEMS			CICS RESPONSE TIME MONITOR TOP 50 SUMMARY			17:15:35 02-14-96 PAGE 3		
			TOP 50 SUMMARY OF AVERAGE RESPONSE TIME AND TRANSACTION VOLUME FROM 00:00:00 TO 23:59:00 08-10-95 THRU 09-10-95					
TRAN	RESP	TRANS	TRAN	TRANS	RESP			
PAYR	8.3	26,811	DATA	33,550	.4			
PROB	6.1	18,671	PUR	32,780	5.9			
PUR	5.9	32,780	ACCT	32,120	.6			
IMFU	3.6	540	INVI	31,983	.6			
DUMP	3.4	10	PERS	30,287	.7			
TRNI	2.8	23,620	TRAN	29,122	.6			
ACTI	2.4	19,101	SHIP	27,660	.7			
FMSI	1.9	10,027	PUR2	27,444	.4			
SEC	1.9	12,222	PAYR	26,811	8.3			
CSSN	1.8	8,041	INV2	26,323	.8			

This report shows a TOP 50 summary by transaction. This is two reports. The left most three columns are sorted in response time order while the right most three columns are sorted in transaction volume order.

Batch Reports (continued)

The **AVERAGE RESPONSE TIME REPORT** graphically displays average response time for your CICS for each hour, for each day, or for each month. The following report depicts the average response time for each hour of a particular day. The solid horizontal line is a user specified threshold. In this report it was set at 1 second.



MACKINNEY SYSTEMS

CICS RESPONSE TIME MONITOR 21:20:06 02-13-96 PAGE 2

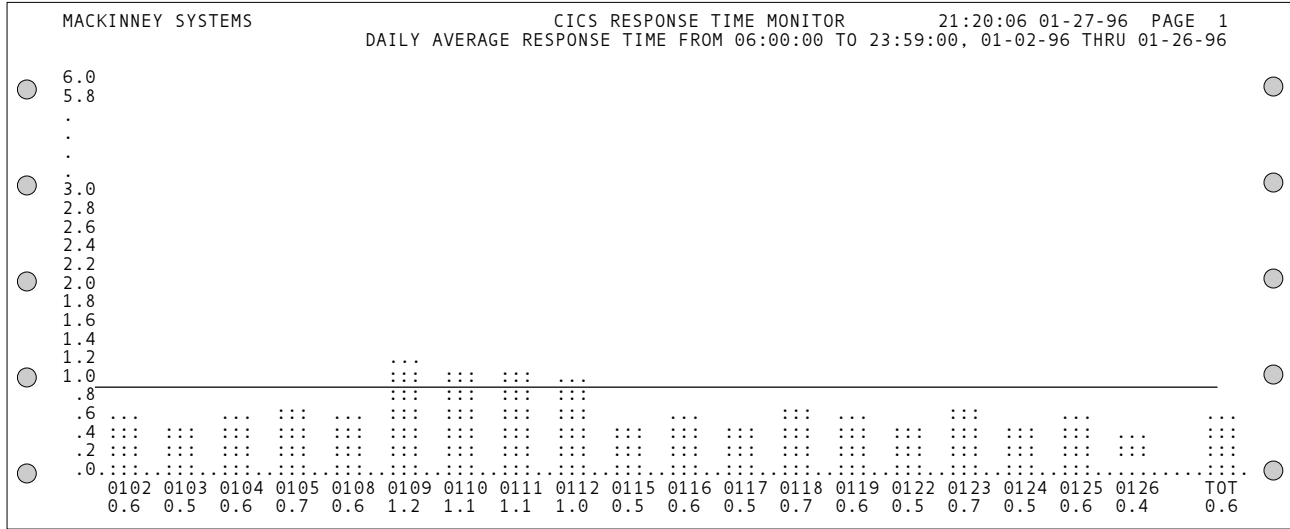
HOURLY AVERAGE RESPONSE TIME FROM 06:00:00 TO 23:59:00, 02-13-96 THRU 02-13-96

SEC	0600		0700		0800		0900		1000		1100		1200		1300		1400	
	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%
0-1	120	94	2357	97	10842	96	12451	97	14932	81	13264	82	4178	96	10794	90	19854	84
1-2	5	3	48	1	231	2	207	1	2579	14	2207	13	96	2	998	8	2809	11
2-3	0	0	1	0	78	0	49	0	403	2	267	1	19	0	88	0	559	2
3-4	0	0	0	0	18	0	13	0	95	0	56	0	8	0	23	0	77	0
4-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	2	0	4	0	19	0	9	0	0	0	2	0	13	0
6-X	2	1	13	0	105	1	101	0	227	1	209	1	37	1	52	0	211	0
	127		2419		11276		12825		18255		16012		4338		11957		23523	
SEC	1500		1600		1700		1800		1900		2000		2100		2200		2300	
	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%
0-1	11234	98	7357	97	1842	96	751	97	176	98	64	98	51	98	54	98	27	100
1-2	145	1	123	1	31	1	12	1	2	1	1	1	0	0	1	1	0	0
2-3	54	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-4	12	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-X	12	0	13	0	27	1	5	0	1	0	0	0	1	1	0	0	0	0
	11457		7509		1900		768		179		65		52		55		27	
SEC	TOTAL																	
	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%
0-1	110348	95																
1-2	9495	7																
2-3	1529	1																
3-4	307	0																
4-5	0	0																
5-6	49	0																
6-X	1016	0																
	122744	0																

This report is a chart indicating the number of transactions and their related percentage for the time period specified.

Batch Reports (continued)

The following report indicates the average response time on a daily basis. Looking at it we can tell that response time was poor 1-9-96 through 1-12-96 probably due to a change made on that date (installation of new application, changed tuning parm, etc.), but was corrected and back to normal 1-15-96.



The associated report indicates the number of transactions in 1 to 6 second increments on each day reported on the graph.



MACKINNEY SYSTEMS			CICS RESPONSE TIME MONITOR			21:20:06 01-27-96			PAGE 2									
DAILY AVERAGE RESPONSE TIME FROM 06:00:00 TO 23:59:00, 01-02-96 THRU 01-26-96																		
	0102		0103		0104		0105		0108		0109		0110		0111		0112	
SEC	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%
0-1	109120	92	110357	93	120842	95	112451	92	114932	94	73264	82	74178	84	70794	82	79854	84
1-2	6135	5	5648	4	4231	3	7207	5	5579	04	12207	13	11096	12	12998	15	10809	11
2-3	1576	1	1001	0	778	0	949	0	603	0	1267	1	1019	1	988	1	759	2
3-4	267	0	67	0	48	0	113	0	95	0	556	0	408	0	323	0	277	0
4-5	12	0	9	0	5	0	4	0	0	0	70	0	57	0	45	0	23	0
5-6	15	0	5	0	2	0	1	0	0	0	49	0	34	0	29	0	33	0
6-X	1298	1	813	0	705	0	1101	0	627	1	909	1	837	0	876	1	711	0
	118423		117900		126611		121826		121836		88322		87629		86053		92466	
	0115		0116		0117		0118		0119		0122		0123		0124		0125	
SEC	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%	TRANS	%
0-1	121234	94	117357	96	111842	97	123751	95	103176	96	114964	96	120351	95	117954	97	127027	96
1-2	5145	4	3123	2	2031	1	4012	3	3002	2	2561	2	3873	3	2641	2	3451	2
2-3	854	0	511	0	150	0	780	0	425	0	478	0	390	0	342	0	503	0
3-4	112	0	85	0	67	0	94	0	27	0	67	0	58	0	20	0	87	0
4-5	9	0	4	0	17	0	8	0	6	0	13	0	23	0	8	0	15	0
5-6	8	0	0	0	5	0	5	0	9	0	5	0	9	0	3	0	8	0
6-X	812	0	413	0	527	1	725	0	671	0	498	0	689	0	465	0	768	0
	128174		121493		114639		129375		107316		118586		125393		121433		131859	
	0126																	
SEC	TRANS	%																
0-1	111234	97															TOTAL %	
1-2	2145	1															2034682 93	
2-3	354	0															107894 4	
3-4	52	0															13727 0	
4-5	7	0															2823 0	
5-6	2	0															335 0	
6-X	312	0															222 0	
	114106																13757 0	
																	2173440	

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- Included in **CICS/RESPONSE TIME MONITOR** are functions to **PURGE**, **MERGE**, **BACKUP**, and **COPY** records from the Response Time file. This gives you the ability to accumulate Response Time history as long as you like. Batch reports can use the history tape or the current VSAM file as input.
 - **CICS/RESPONSE TIME MONITOR** is designed to be as efficient as possible. It contains high performance VSAM logic for fast access and disk space savings.
 - There are NO HOOKS into your system. All code uses standard IBM interfaces.
 - It is easy to install.
 - It is a proven product, installed in over 100 sites.
 - It runs on VSE and MVS and supports CICS 1.5 and up.

A current user at a major health care institution says,

"CICS/RESPONSE TIME MONITOR is one of the best CICS monitors for the money and it does the job."

When asked about overhead he says,

"We average 315,000 transactions per day and we have noticed NO degradation whatsoever to our CICS with CICS/RESPONSE TIME MONITOR."

For more information or a 30 day free trial, call or write:

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