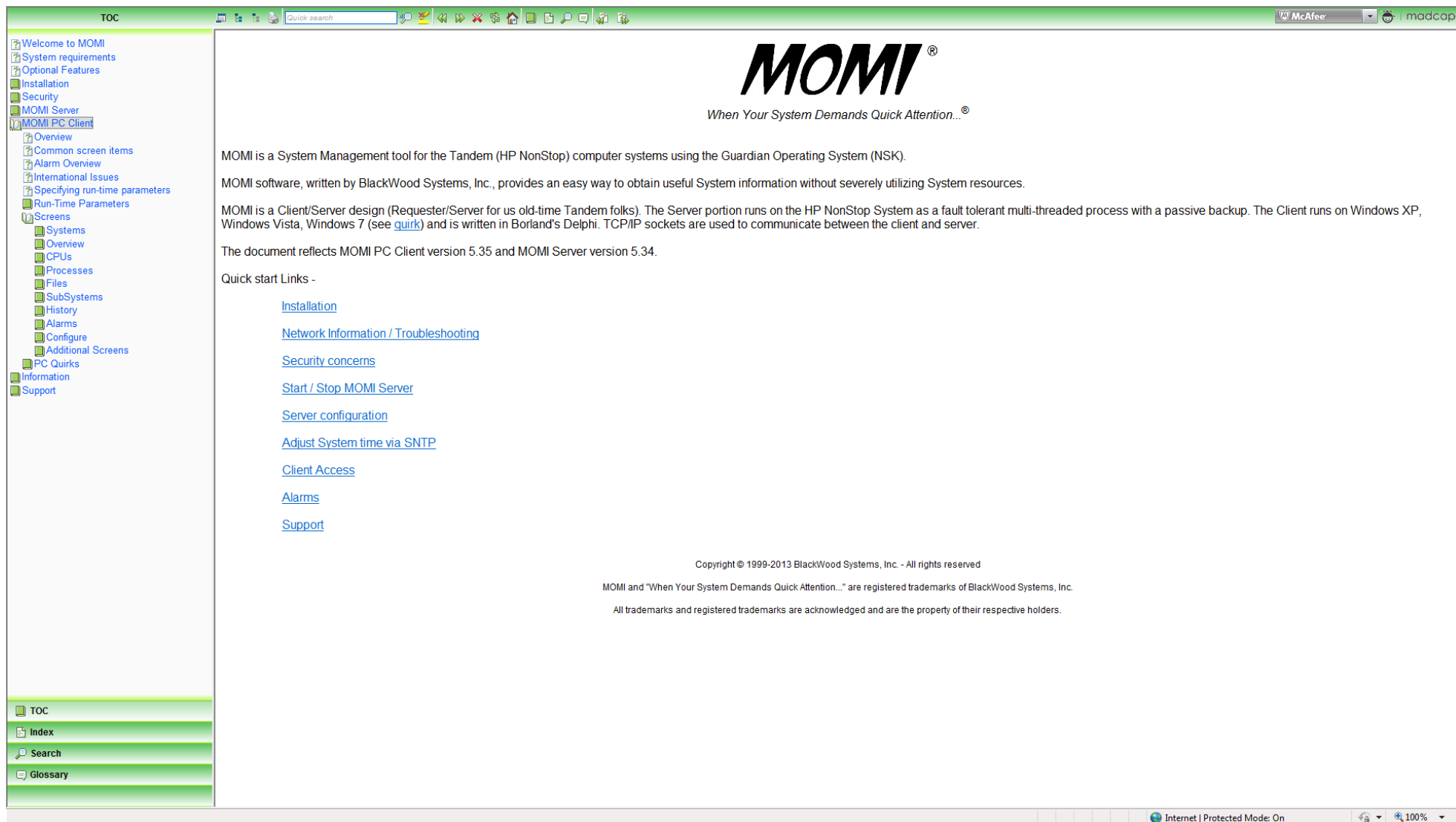


MOMI User Experience

Swedbank's installation of MOMI



Multisystem Online Measure Interface



TOC

- Welcome to MOMI
- System requirements
- Optional Features
- Installation
- Security
- MOMI Server
- MOMI PC Client**
 - Overview
 - Common screen items
 - Alarm Overview
 - International Issues
 - Specifying run-time parameters
 - Run-Time Parameters
 - Screens
 - Systems
 - Overview
 - CPUs
 - Processes
 - Files
 - SubSystems
 - History
 - Alarms
 - Configure
 - Additional Screens
 - PC Quirks
- Information
- Support

MOMI®
When Your System Demands Quick Attention...®

MOMI is a System Management tool for the Tandem (HP NonStop) computer systems using the Guardian Operating System (NSK).

MOMI software, written by BlackWood Systems, Inc., provides an easy way to obtain useful System information without severely utilizing System resources.

MOMI is a Client/Server design (Requester/Server for us old-time Tandem folks). The Server portion runs on the HP NonStop System as a fault tolerant multi-threaded process with a passive backup. The Client runs on Windows XP, Windows Vista, Windows 7 (see [quirk](#)) and is written in Borland's Delphi. TCP/IP sockets are used to communicate between the client and server.

The document reflects MOMI PC Client version 5.35 and MOMI Server version 5.34.

Quick start Links -

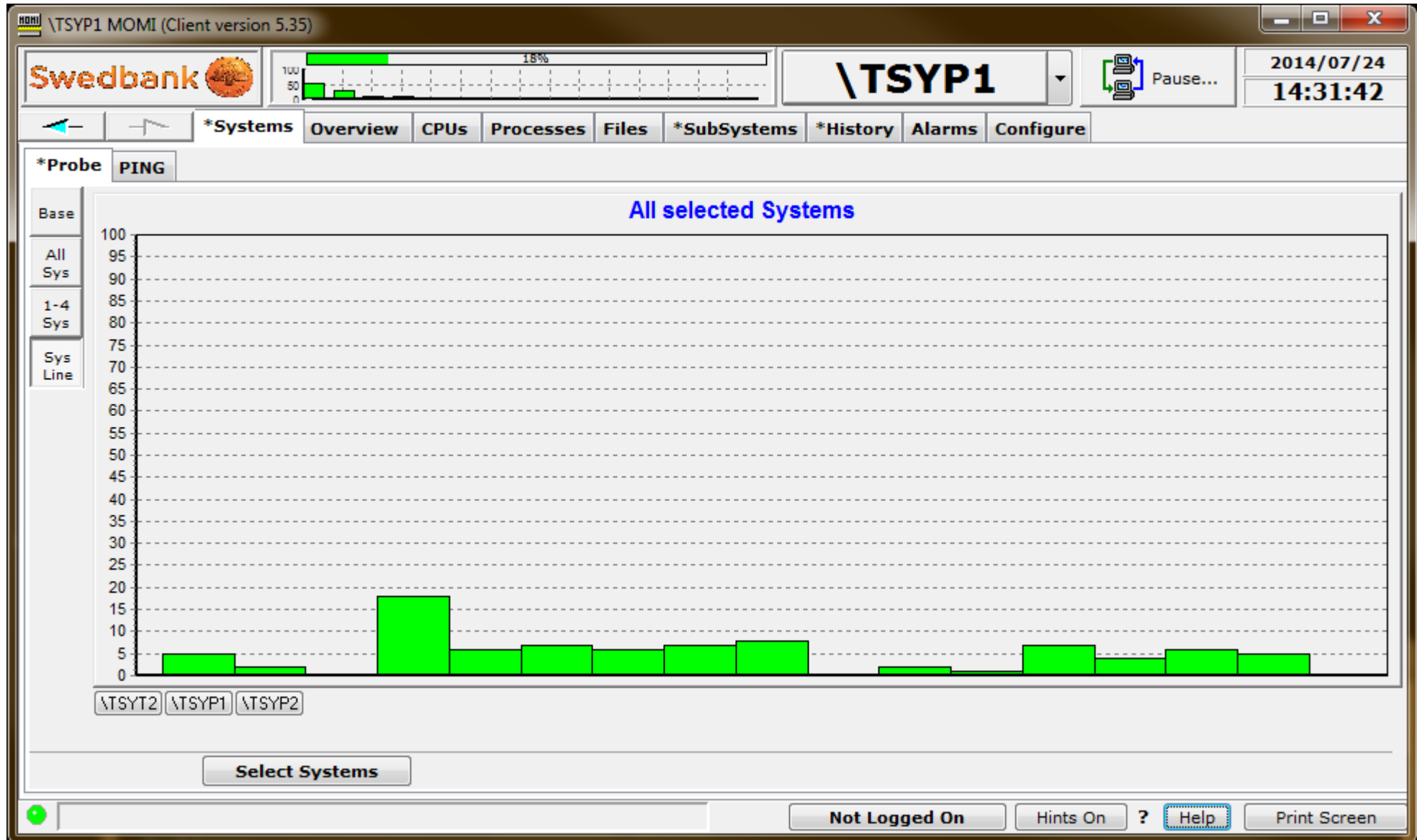
- [Installation](#)
- [Network Information / Troubleshooting](#)
- [Security concerns](#)
- [Start / Stop MOMI Server](#)
- [Server configuration](#)
- [Adjust System time via SNTP](#)
- [Client Access](#)
- [Alarms](#)
- [Support](#)

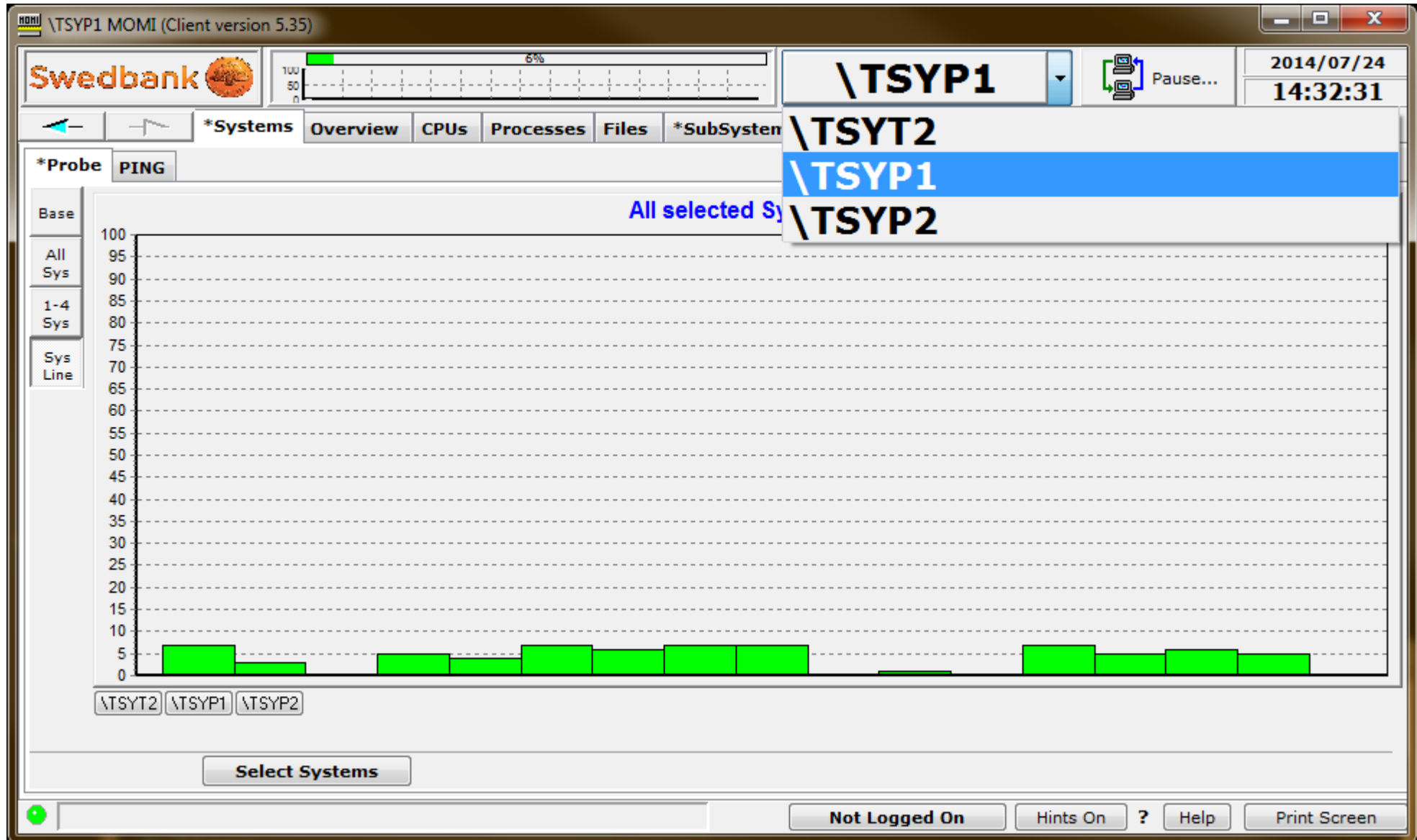
Copyright © 1999-2013 BlackWood Systems, Inc. - All rights reserved

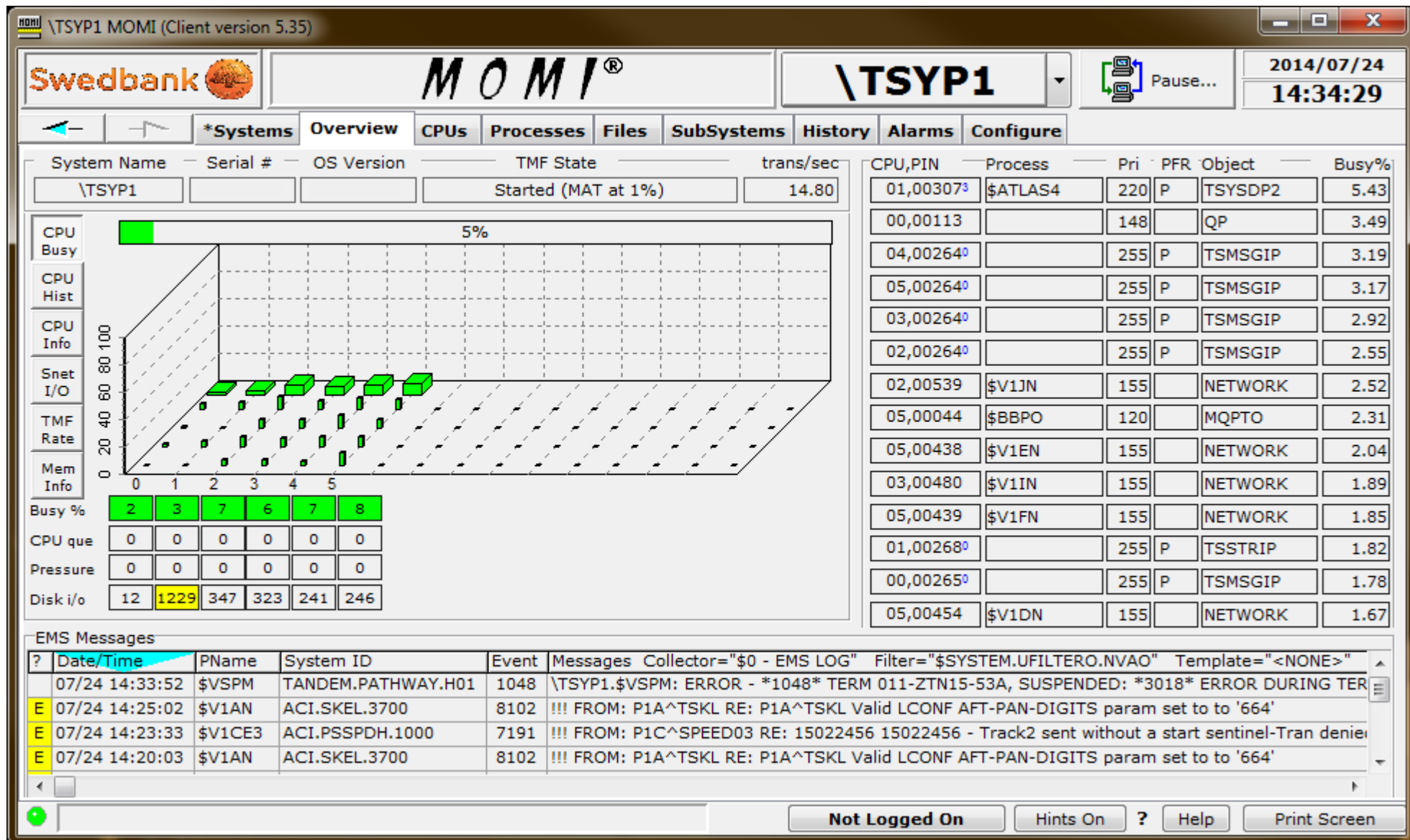
MOMI and "When Your System Demands Quick Attention..." are registered trademarks of BlackWood Systems, Inc.

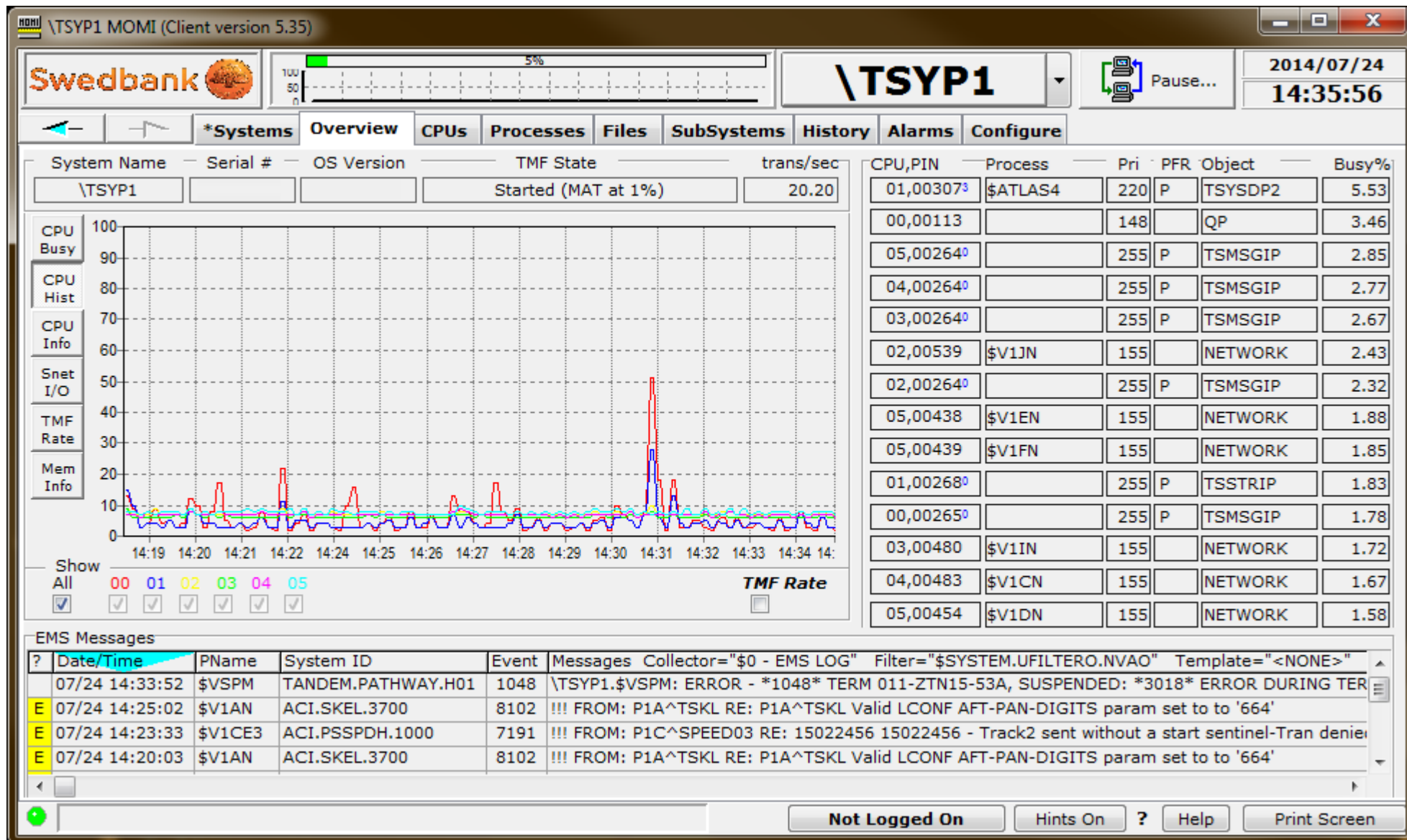
All trademarks and registered trademarks are acknowledged and are the property of their respective holders.

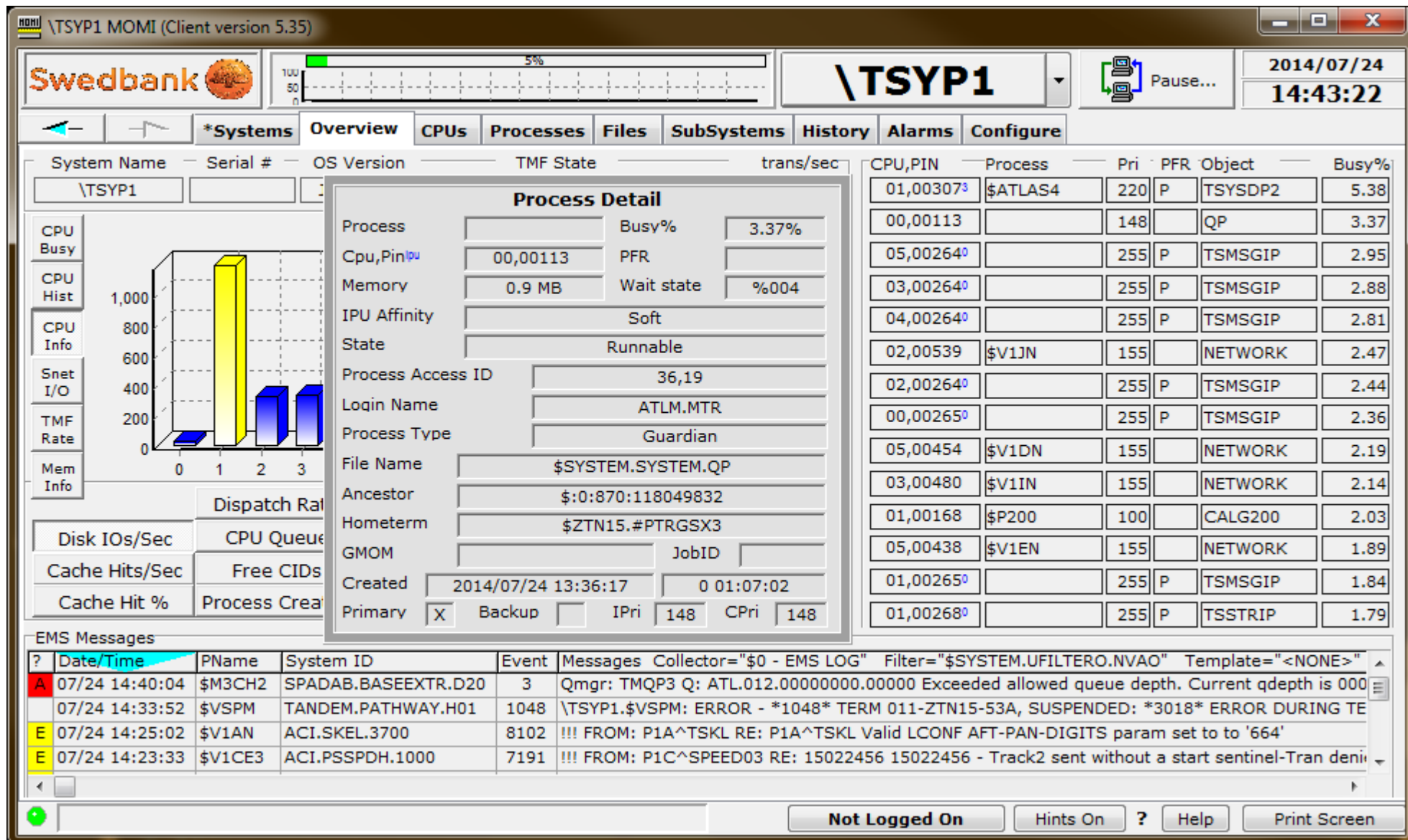
Internet | Protected Mode: On 100%

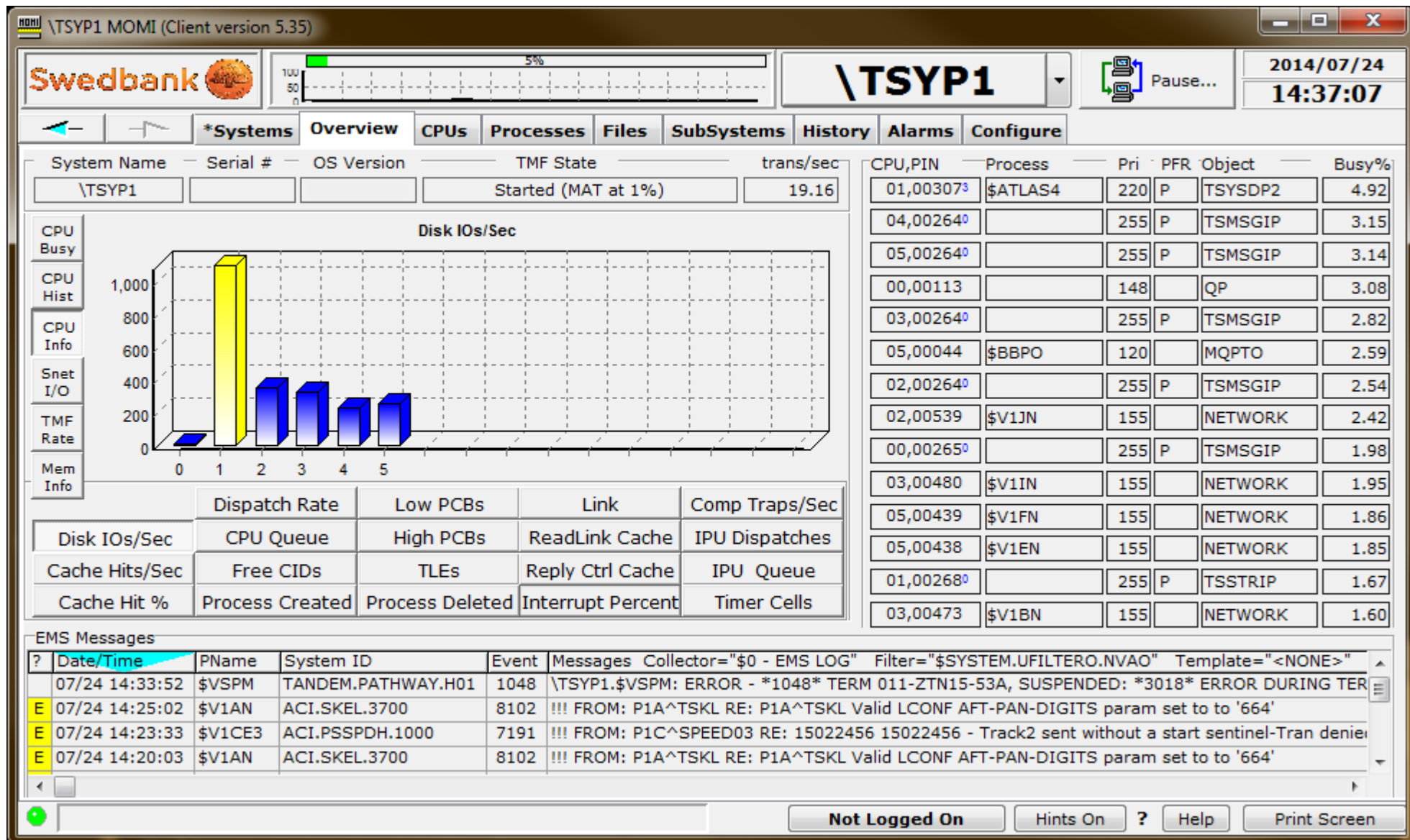


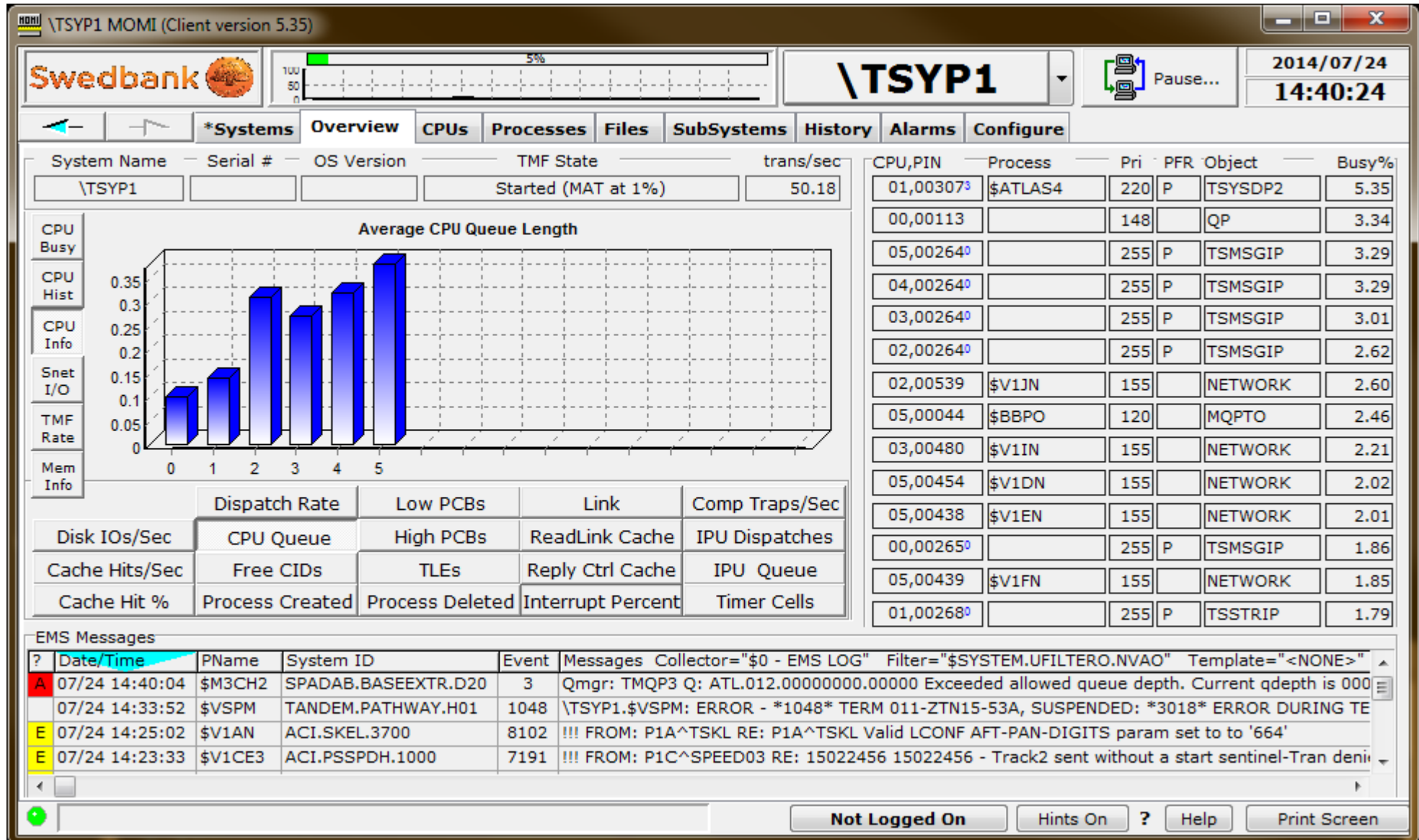


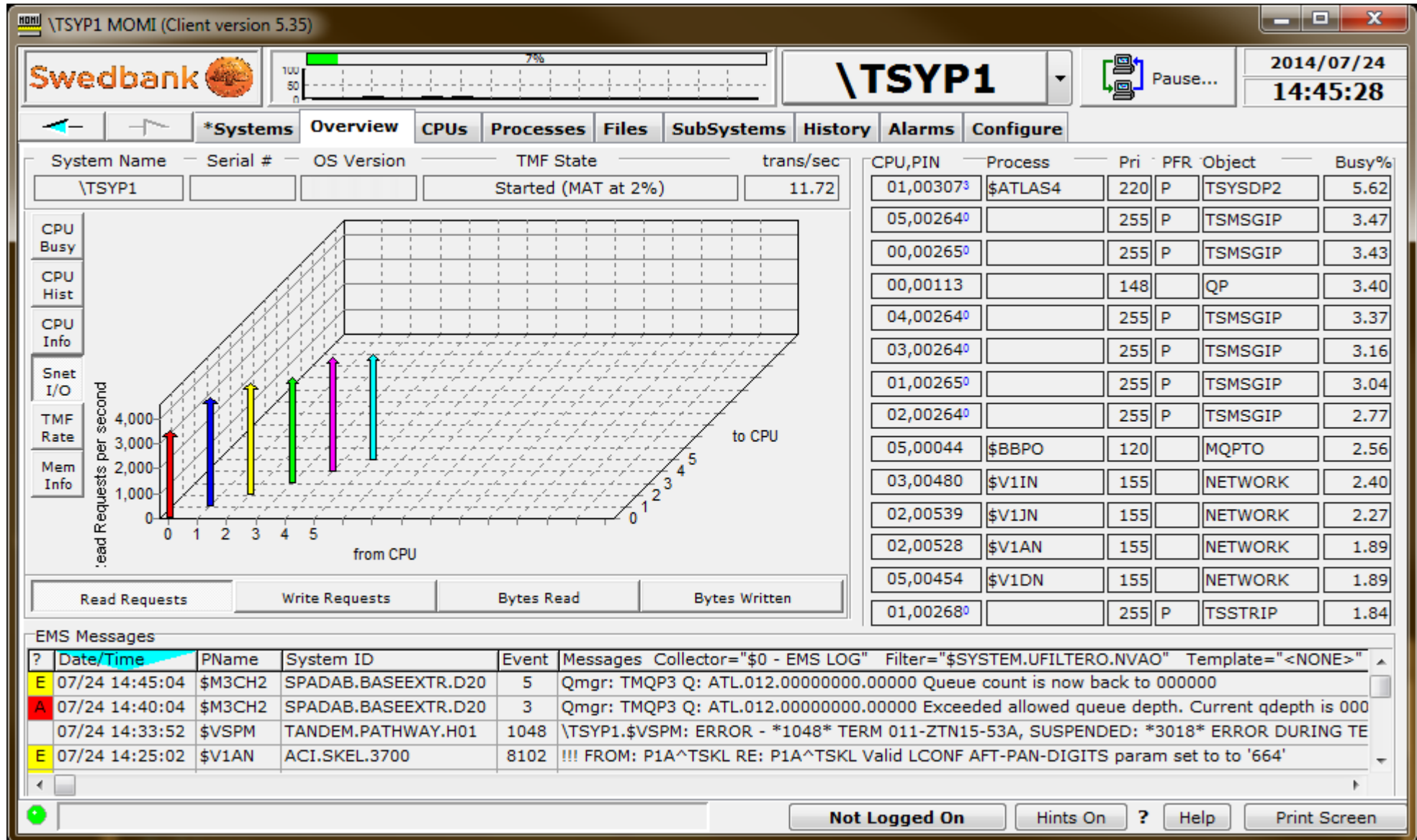


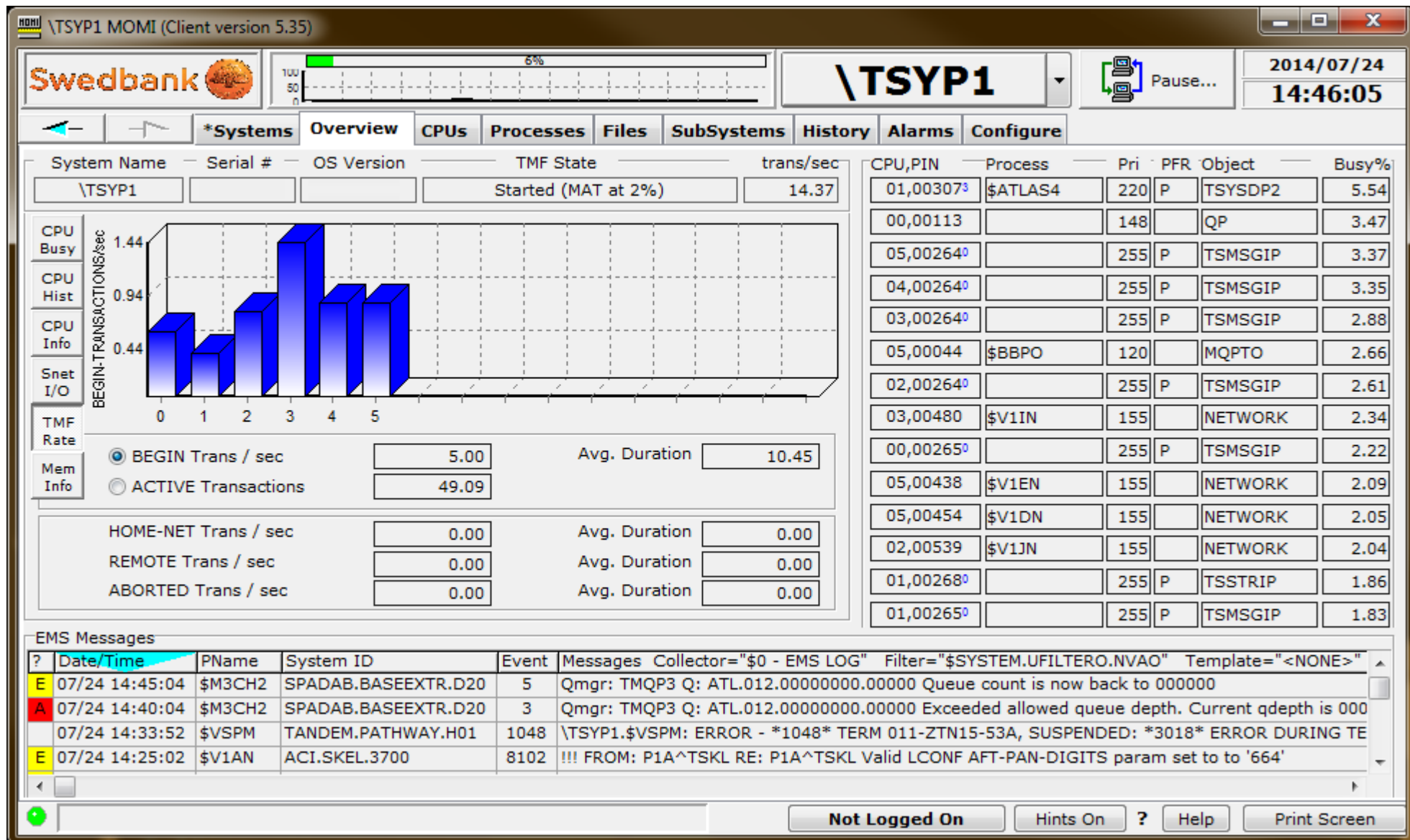


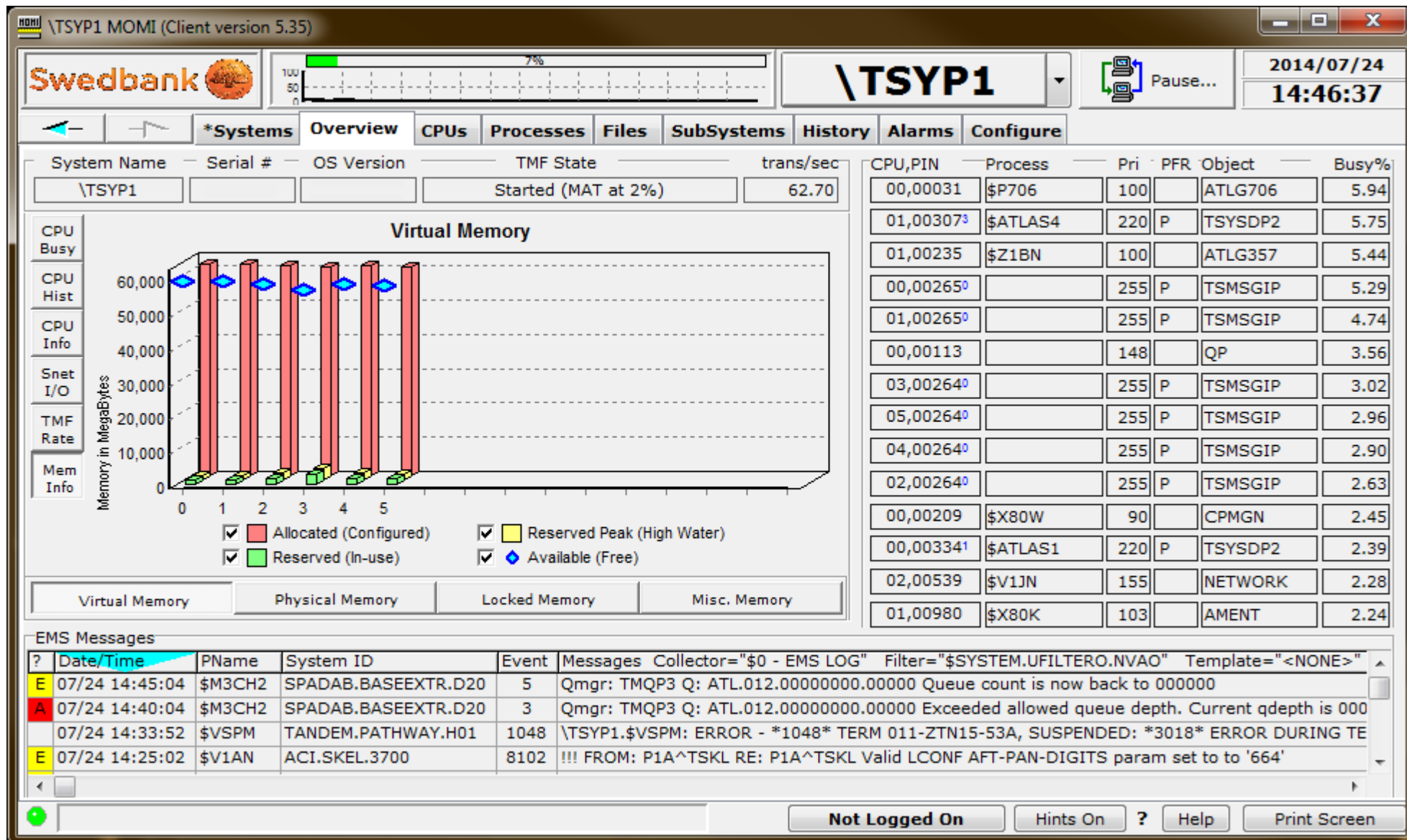


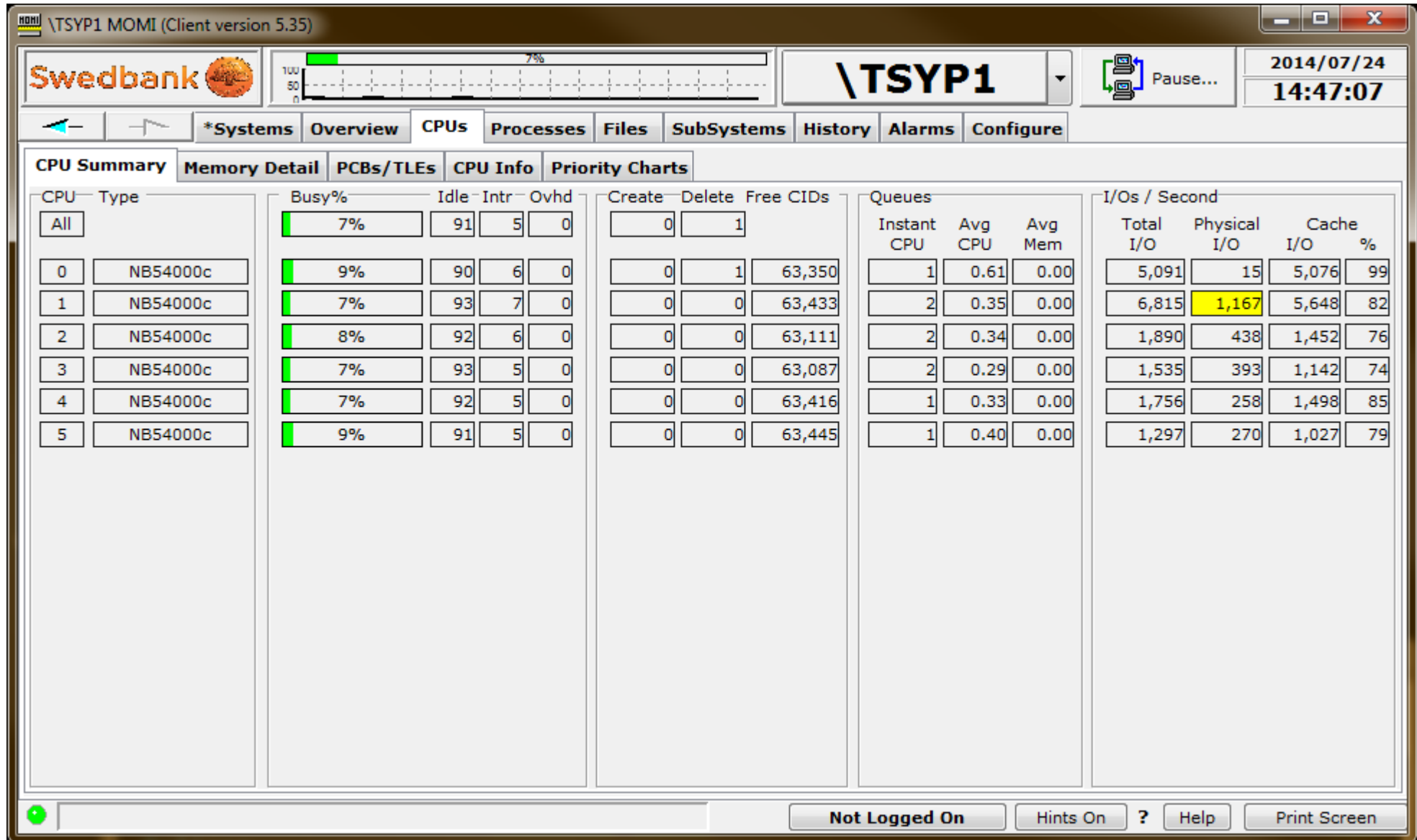


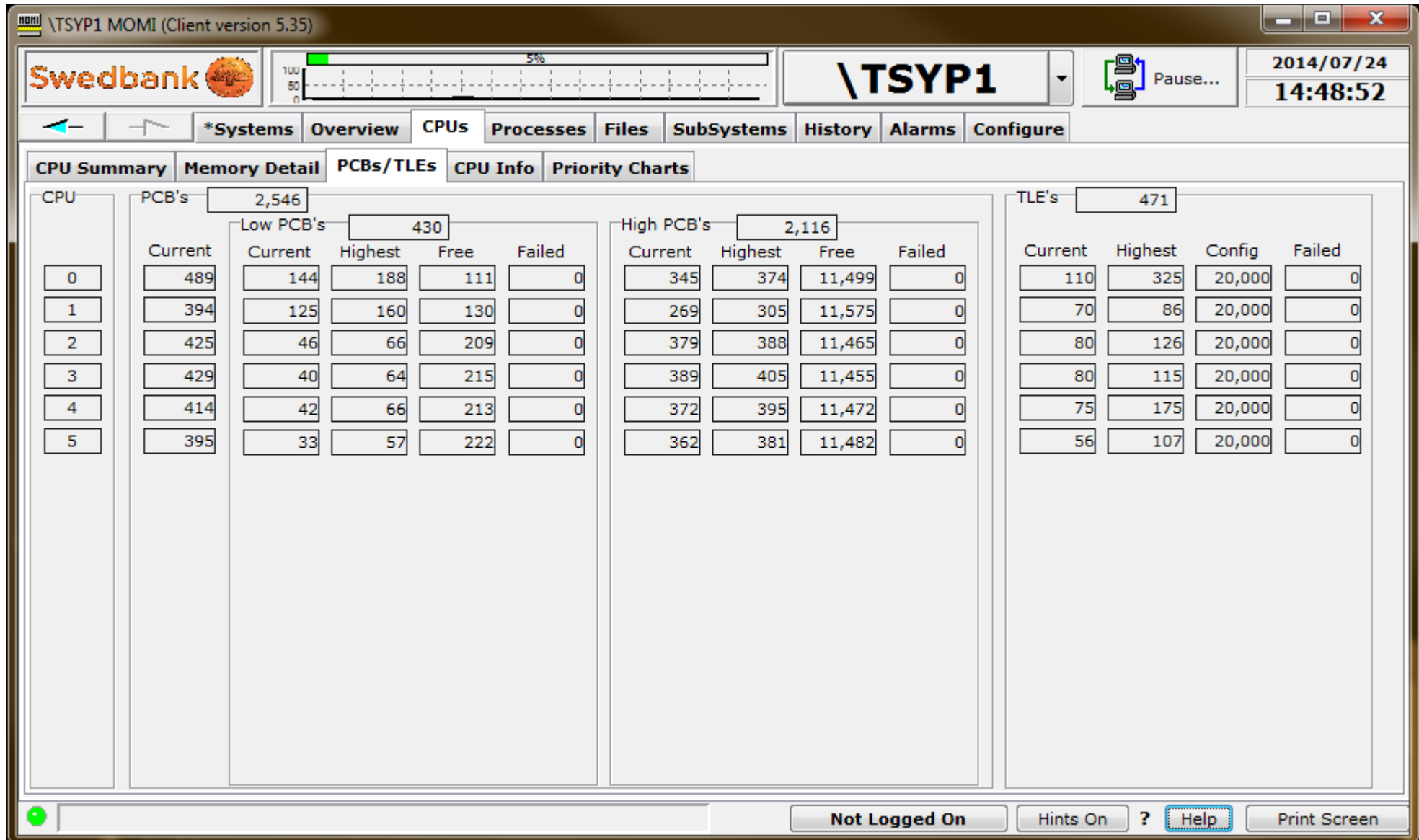


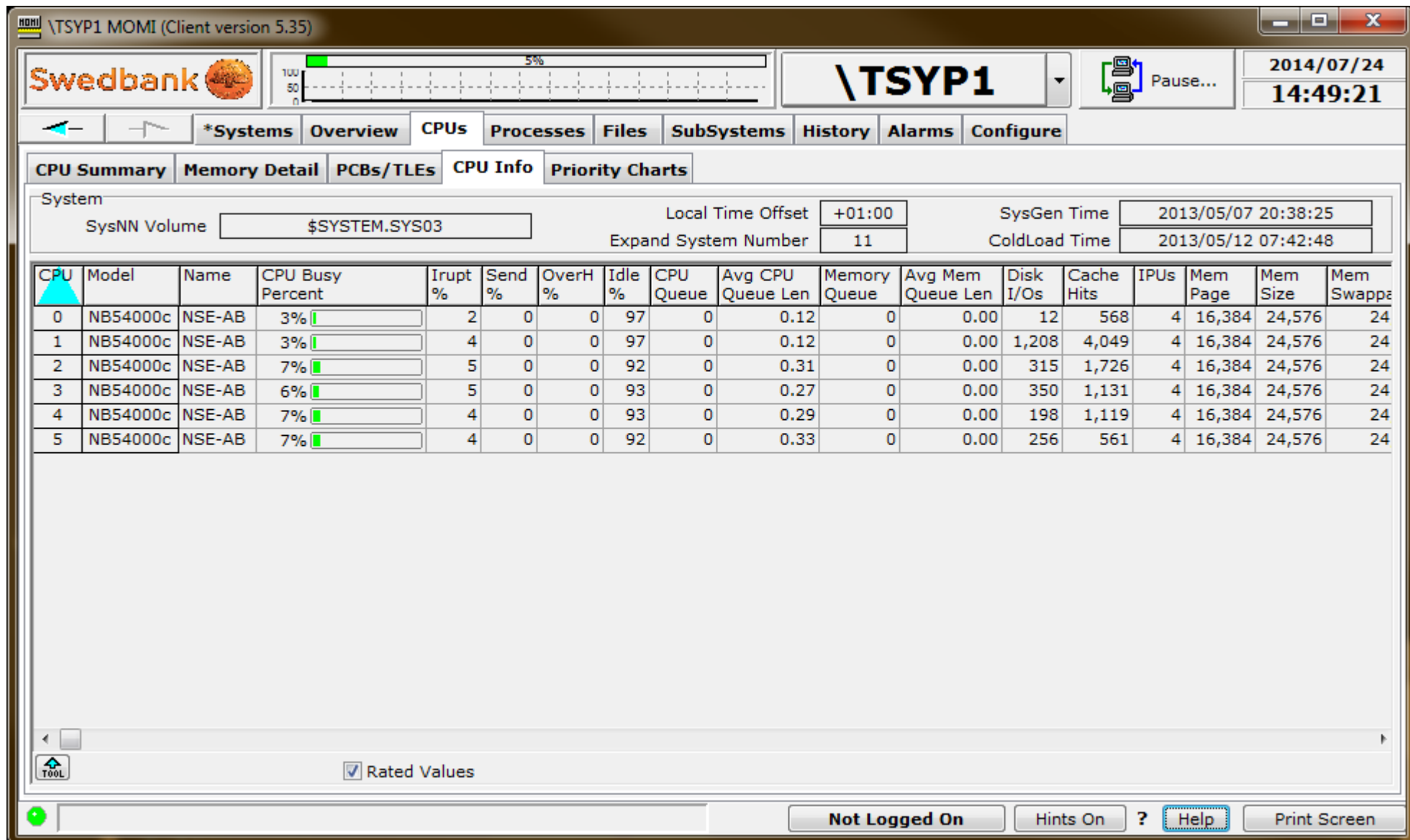


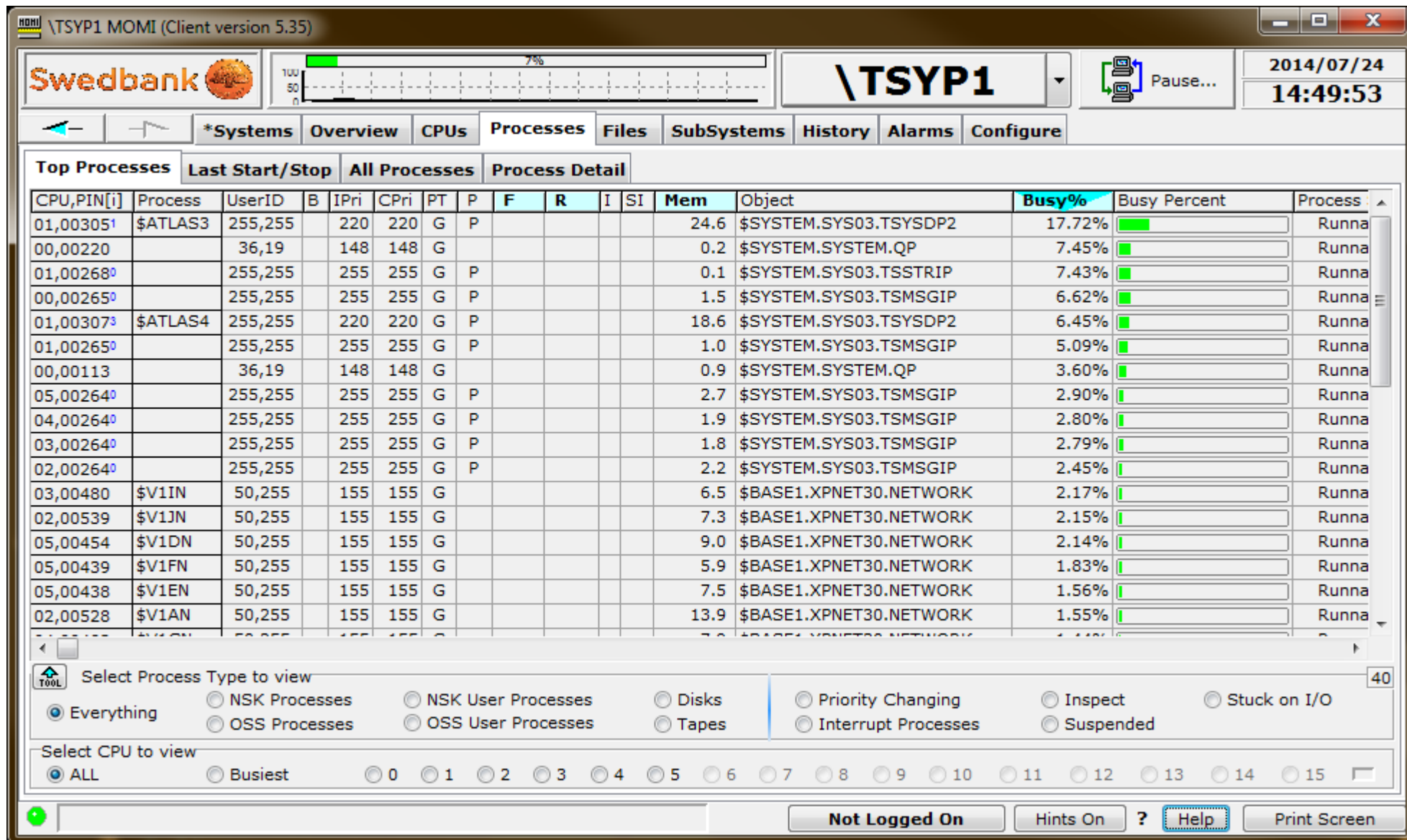














100

7%

TSYP1

▼



Pause...

2014/07/24

14:50:35

←

→

*Systems

Overview

CPU

Processes

Files

SubSystems

History

Alarms

Configure

Top Processes

Last Start/Stop

All Processes

Process Detail

Last Processes STARTED

Start Date/Time	Cpu,Pin	Process	B	Pri	PT	SI	Object
2014/07/24 14:50:24	00,00135	\$Z1HN		100	G		\$ATLAS1.f
2014/07/24 14:50:05	01,00131	\$Z1HG		100	G		\$ATLAS1.f
2014/07/24 14:50:05	00,00244	\$Z1HF		100	G		\$ATLAS1.f
2014/07/24 14:50:04	01,00185	\$Z1HB		50	G		\$ATLAS1.f
2014/07/24 14:50:04	01,00123	\$Z1HA		100	G		\$ATLAS1.f
2014/07/24 14:50:04	01,00173	\$Z1HD		100	G		\$ATLAS1.f
2014/07/24 14:50:04	00,00233	\$Z1H9		100	G		\$ATLAS1.f
2014/07/24 14:50:04	00,00523	\$Z1H8		105	G		\$ATLAS1.f
2014/07/24 14:50:04	00,00186	\$Z1HC		100	G		\$ATLAS1.f
2014/07/24 14:50:03	01,00218	\$Z1H6		108	G		\$ATLAS1.f
2014/07/24 14:50:03	00,00044	\$Z1H7		100	G		\$ATLAS1.f
2014/07/24 14:49:41	00,00056	\$Z1H2		148	G		\$SYSTEM.
2014/07/24 14:49:41	00,01187			148	G		\$SYSTEM.
2014/07/24 14:49:41	00,00220			148	G		\$SYSTEM.
2014/07/24 14:49:14	00,01151	\$Z1H0		106	G		\$ATLAS1.f
2014/07/24 14:48:53	00,00248	\$Z1GZ		100	G		\$ATLAS1.f
2014/07/24 14:48:41	00,00115	\$Z1GY		106	G		\$ATLAS1.f
2014/07/24 14:48:22	05,01182	\$X08W5		165	O		/home/mc
2014/07/24 14:48:21	00,00029	\$Z1GW		100	G		\$ATLAS1.f
2014/07/24 14:48:21	00,00191	\$Z1GX		100	G		\$ATLAS1.f

Last Processes STOPPED

Stop Date/Time	Start Date/Time	Duration	Cpu,Pin	Pi
2014/07/24 14:50:30	2014/07/24 14:32:58	0 00:17:32	01,00133	\$
2014/07/24 14:50:20	2014/07/24 14:49:41	0 00:00:39	00,00220	
2014/07/24 14:50:20	2014/07/24 14:49:41	0 00:00:39	00,01187	
2014/07/24 14:50:00	2014/07/24 14:48:41	0 00:01:19	00,00115	\$
2014/07/24 14:49:30	2014/07/24 14:48:21	0 00:01:08	00,00191	\$
2014/07/24 14:49:10	2014/07/24 14:48:02	0 00:01:08	01,00051	\$
2014/07/24 14:49:10	2014/07/24 14:44:12	0 00:04:57	00,00204	
2014/07/24 14:49:10	2014/07/24 14:44:12	0 00:04:57	00,00075	
2014/07/24 14:48:50	2014/07/24 14:30:13	0 00:18:37	00,00118	\$
2014/07/24 14:48:10	2014/07/24 14:05:44	0 00:42:25	01,00193	\$
2014/07/24 14:48:10	2014/07/24 14:44:01	0 00:04:08	00,00696	\$
2014/07/24 14:47:30	2014/07/24 14:44:28	0 00:03:01	01,00019	\$
2014/07/24 14:47:30	2014/07/24 14:44:28	0 00:03:01	01,00052	\$
2014/07/24 14:47:20	2014/07/24 14:44:15	0 00:03:05	01,00152	\$
2014/07/24 14:47:20	2014/07/24 14:44:16	0 00:03:04	01,00187	\$
2014/07/24 14:47:10	2014/07/24 14:33:03	0 00:14:06	00,00130	\$
2014/07/24 14:47:10	2014/07/24 14:33:03	0 00:14:06	00,00070	\$
2014/07/24 14:47:10	2014/07/24 14:19:04	0 00:28:05	01,00096	\$
2014/07/24 14:47:10	2014/07/24 14:33:03	0 00:14:06	00,00978	\$
2014/07/24 14:47:00	2014/07/24 14:31:53	0 00:15:07	00,00168	\$

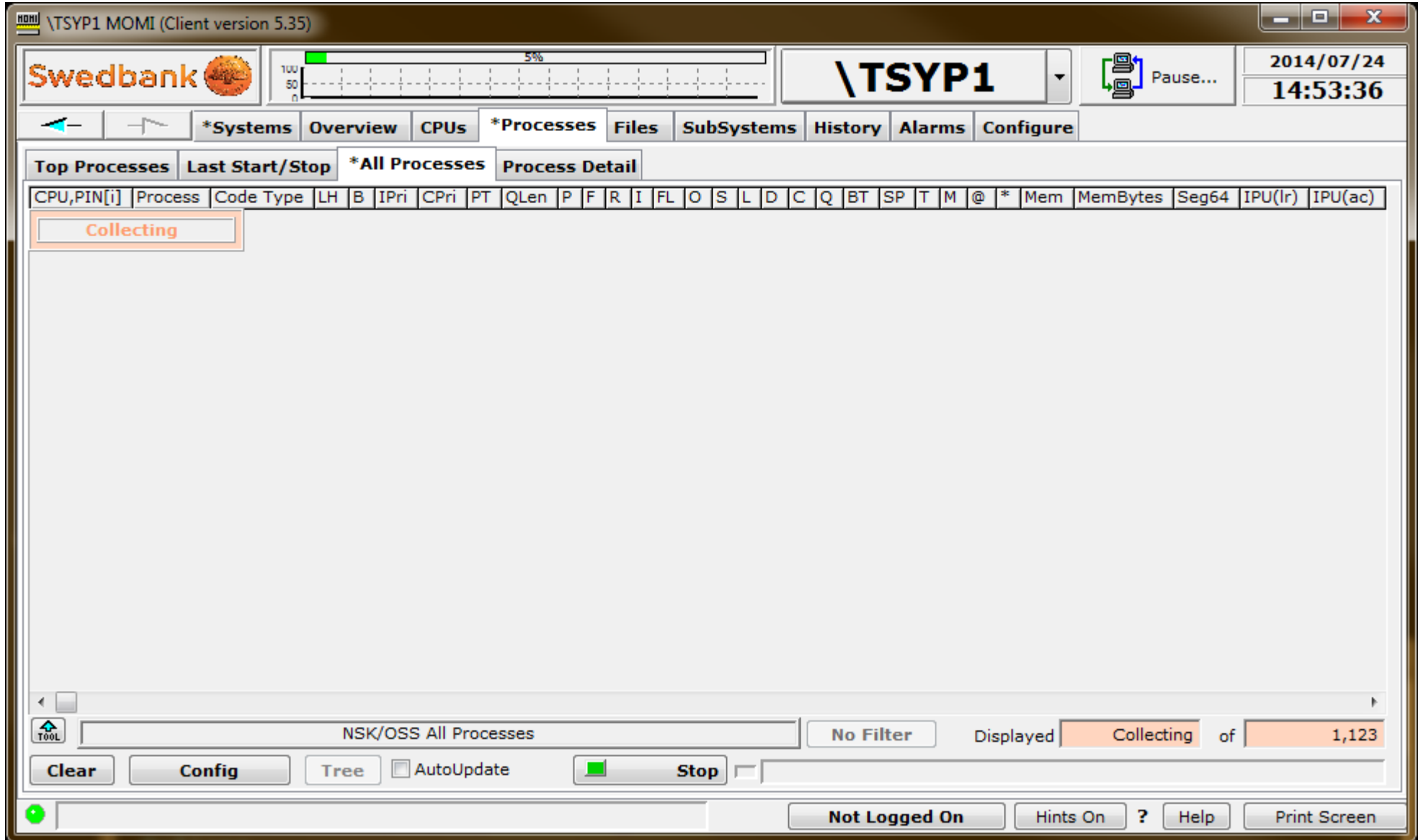
Not Logged On

Hints On

?

Help

Print Screen





100

50

0

5%

TSYP1

Pause...

2014/07/24 14:54:32

←

→

*Systems

Overview

CPU

Processes

Files

SubSystems

History

Alarms

Configure

Top Processes

Last Start/Stop

All Processes

Process Detail

CPU,PIN[i]	Process	Code Type	LH	B	IPri	CPri	PT	QLen	P	F	R	I	FL	O	S	L	D	C	Q	BT	SP	T	M	@	*	Mem	MemBytes	Seg
00,00000		Native (PIC)	L		201	201	G	0	P		R									32-Bit	SP					2.2	2,392,064	
00,00001		Native (PIC)	L		210	210	G	0	P											32-Bit	SP					640.8	672,006,144	
00,00002		Native (PIC)	L		210	210	G	0	P											32-Bit	SP					0.2	262,144	
00,00003	\$0	Native (PIC)	L		201	201	G	0	P									Q		32-Bit	SP					0.8	851,968	
00,00004		Native (PIC)	L		211	211	G	0	P											32-Bit	SP					12.1	12,730,368	
00,00005	\$YMIOP	Native (PIC)	L		205	205	G	0	P									Q		32-Bit	SP					85.5	89,735,168	
00,00006	\$ZNUP	Native (PIC)	L		200	200	G	0	P											32-Bit	SP					0.1	147,456	
00,00007	\$Z0	Native (PIC)	L		200	200	G	0	P											32-Bit	SP					0.2	229,376	
00,00008	\$ZOPR	Native (PIC)	L		201	201	G	0	P											32-Bit	SP					0.2	311,296	
00,00009	\$ZCNF	Native (PIC)	L		200	200	G	0	P											32-Bit	SP					2.4	2,588,672	
00,00011	\$ZTM00	Native (PIC)	L		200	200	G	0	P				FL			L				32-Bit						2.1	2,293,760	
00,00012	\$TMP	Native (PIC)	L		204	204	G	0	P				FL			L				32-Bit						6.6	6,979,584	
00,00013	\$ZL00	TNS Accelerated	L		200	200	G	0	P								D			16-Bit	SP					2.0	2,195,456	
00,00014	\$NCP	Native (PIC)	L		199	199	G	0	P								D			32-Bit	SP					1.1	1,179,648	
00,00015	\$ZEXP	TNS Accelerated	L		180	180	G	0	P							L	D			16-Bit						1.6	1,687,552	
00,00016	\$ZNET	TNS Accelerated	L		175	175	G	0	P							L	D			16-Bit						2.7	2,850,816	
00,00017	\$PGF00	TNS Accelerated	L		175	175	G	0									D			16-Bit						0.6	671,744	
00,00018	\$Z5V8	TNS	L		103	103	G	0									D			16-Bit						0.7	786,432	
00,00020	\$X93W	TNS Accelerated	L		149	149	G	0						O			D			16-Bit						1.0	1,130,496	
00,00021	\$71FX	TNS	I		106	106	G	0									D			16-Bit						0.5	573,440	

↑

↓

NSK/OSS All Processes

No Filter

Displayed 2,537 of 2,537

Clear

Config

Tree

☐ AutoUpdate

☒ Request

data collected 2014/07/24 14:53:44

Not Logged On

Hints On

?

Help

Print Screen



100

50

0

9%

TSYP1

▼

Pause...

2014/07/24

15:01:11

←

→

*Systems

Overview

CPU

Processes

Files

SubSystems

History

Alarms

Configure

Top Processes

Last Start/Stop

All Processes

Process Detail

CPU,PIN[i]	Process	Code Type	LH	B	IPri	CPri	PT	QLen	P	F	R	I	FL	O	S	L	D	C	Q	BT	SP	T	M	@	*	Mem	MemBytes	Seg
02,002760		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,002750		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,002780		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,002770		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,002720		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,002713		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,002741		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,002730		Native (PIC)	H		255	255	G	0	P											32-Bit	SP					0.1	147,456	
02,004181	\$XP02B	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	147,456	
02,004170	\$XP02A	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	196,608	
02,004203	\$XP02D	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	147,456	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	147,456	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	147,456	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	163,840	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	147,456	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	147,456	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	163,840	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	2,326,528	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	4,489,216	
02,004101	\$XP02C	Native (PIC)	H		255	255	G	0	P								L	D		32-Bit						0.1	327,680	

All Processes

Limit by Type

☐ Guardian NSK only
 ☐ OSS only

Limit returned processes to Single

☐ CPU
 ☐ Object name
 ☐ GMom

☐ HomeTerm
 ☒ Ancestor
 ☐ JobId

☐ UserID/UserName
 ☐ Process Name
 ☐ LoadFile Object

Element ID

Request

Close

NSK/OSS Single CPU = 2

No Filter

Displayed 396 of 396

Clear

Config

Tree

☐ AutoUpdate

☒ Request

data collected 2014/07/24 15:00:06

Not Logged On

Hints On

?

Help

Print Screen

TSYP1 MOMI (Client version 5.35)

Swedbank  20%

\TSYP1

2014/07/24 15:06:30

Pause...

*Systems Overview CPUs Processes Files SubSystems History Alarms Configure

Enscribe SQL/MP Disk Entity DiskFile Entity DiskOpen Entity File Entity

Volume SubVolume File File Opener File Detail Cache Locks

Volume	LDEV	Type	DiskPath(P) Primary	DiskPath(B) Backup	DiskPath(M) Mirror	DiskPath(MB) MirrorBackup	Capacity (MB)	Capacity (Pages)	FreeSpace (MB)	FreeSpace (Pages)	Full Percent	Fragments	La Fr

Volume \$*

Clear

Request

Total Volume Capacity(MB)

No Filter

Displayed of

Not Logged On

Hints On ? Help

Print Screen

Swedbank 

Volume	SubVolume	File	File Opener	File Detail	Cache	Locks							
Volume	LDEV	Type	DiskPath(P) Primary	DiskPath(B) Backup	DiskPath(M) Mirror	DiskPath(MB) MirrorBackup	Capacity (MB)	Capacity (Pages)	FreeSpace (MB)	FreeSpace (Pages)	Full Percent	Fragmer	
\$ATLAS1	279	Magnetic	*UP	UP	*UP	UP	146,814	71,686,859	118,060	57,646,705	19%	6	
\$ATLAS2	278	Magnetic	*UP	UP	*UP	UP	146,814	71,686,859	96,413	47,077,051	34%	2	
\$ATLAS3	277	Magnetic	*UP	UP	*UP	UP	146,814	71,686,859	117,960	57,598,106	19%	2	
\$ATLAS4	276	Magnetic	*UP	UP	*UP	UP	146,814	71,686,859	125,350	61,206,178	14%	2	
\$ATLAS5	275	Magnetic	*UP	UP	*UP	UP	146,814	71,686,859	121,586	59,368,386	17%	4	
\$ATLAS6	274	Magnetic	*UP	UP	*UP	UP	146,814	71,686,859	128,203	62,599,205	12%	2	

TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 6%

\TSYP1

2014/07/24 15:09:32

Pause...

*Systems Overview CPUs Processes **Files** SubSystems History Alarms Configure

Enscribe SQL/MP Disk Entity DiskFile Entity DiskOpen Entity File Entity

Volume SubVolume File File Opener File Detail Cache Locks

SubVolume	SubVol Size	Files	O	OCount
\$ATLAS2.OPGDB	0	1		0
\$ATLAS2.PGDB	39,390,183,276	139	O	36
\$ATLAS2.PGEBSD	450,560	3		0
\$ATLAS2.PGUDB	496,189,944	20	O	3
\$ATLAS2.SAFE	12,288	2	O	2
\$ATLAS2.XEODEDIT	2,326	7		0
\$ATLAS2.XEODGDIF	24,412	12		0
\$ATLAS2.ZZRELOAD	12,288	1		0

Vol.SubVol \$ATLAS2

Clear ☐ No Details ☒ Request

Total SubVol Size 39,886,875,094

Displayed 8 of 8

data collected 2014/07/24 15:09:21

Not Logged On Hints On ? Help Print Screen



100

6%

TSYP1

▼



Pause...

2014/07/24

15:11:09

←

→

*Systems

Overview

CPU

Processes

Files

SubSystems

History

Alarms

Configure

Enscribe

SQL/MP

Disk Entity

DiskFile Entity

DiskOpen Entity

File Entity

Volume

SubVolume

File

File Opener

File Detail

Cache

Locks

X	FileName	Code	FileCode	EOF	Percent Full	Modification Date	Owner	Security	O	P	L	T	A	B	FA
☐	\$ATLAS2.PGDB.AAICWORK	0			0%	2014/07/15 13:03:19	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.ABLHWORK	0			0%	2014/07/15 13:03:19	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.ACADWORK	0			0%	2014/07/15 13:03:19	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.ACATFILO	0		30,121,984	9%	2014/07/24 14:48:02	1,255	OOOO	O			0	A	B	
☐	\$ATLAS2.PGDB.ACATFILE	0		293,781,504	67%	2014/07/24 14:48:02	1,255	OOOO	O			0	A	B	FA
☐	\$ATLAS2.PGDB.ACBLWORK	0			0%	2014/07/15 13:03:19	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.ACCDFILE	0			0%	1995/08/19 13:12:33	1,255	NGNO				0			
☐	\$ATLAS2.PGDB.ACIAFILE	0			0%	1995/09/15 13:06:42	1,255	NGNO				0			
☐	\$ATLAS2.PGDB.ACIDFILE	0		43,085,824	33%	2014/07/24 11:16:42	1,255	UUUU	O			0	A	B	
☐	\$ATLAS2.PGDB.ACIDWORK	0		90,112	0%	2014/07/15 13:05:30	1,255	OOOO				0		B	
☐	\$ATLAS2.PGDB.ACSTWORK	0			0%	2014/07/15 13:03:19	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.ACTRWORK	0			0%	2014/07/15 13:03:19	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.AEACWORK	0			0%	2014/07/02 08:43:10	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.AEANWORK	0			0%	2009/02/20 12:33:41	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.AECMWORK	0			0%	2009/02/20 12:33:41	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.AEFXWORK	0			0%	2009/02/20 12:33:41	1,255	OOOO				0			
☐	\$ATLAS2.PGDB.AEIDWORK	0			0%	2009/02/20 12:33:41	1,255	OOOO				0			



All Files

File Name

\$ATLAS2.PGDB

▼

No Filter

Displayed

139

of

139

Clear

Config

Request

data collected 2014/07/24 15:10:21

Not Logged On

Hints On

?

Help

Print Screen

TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 5%

\TSYP1

Pause...

2014/07/24 15:11:45

*Systems Overview CPUs Processes Files SubSystems History Alarms Configure

Enscribe SQL/MP Disk Entity DiskFile Entity DiskOpen Entity File Entity

Volume SubVolume File File Opener File Detail Cache Locks

X	FileName	Code	FileCode	EOF	Percent Full	Modification Date	Owner	Security	O	P	L	T	A	B	FA
☐	\$ATLAS2.PGDB.AAICWORK	0			0%	2014/07/15 13:03:19	1,255	0000					0		
☐	\$ATLAS2.PGDB.ABLHWORK	0			0%	2014/07/15 13:03:19	1,255	0000					0		
☐	\$ATLAS2.PGDB.ACADWORK	0						0000					0		
☐	\$ATLAS2.PGDB.ACATFILO	0						0000	O				0	A	B
☐	\$ATLAS2.PGDB.ACATFILE	0						0000	O				0	A	B
☐	\$ATLAS2.PGDB.ACBLWORK	0						0000					0		
☐	\$ATLAS2.PGDB.ACCDFILE	0						NGNO					0		
☐	\$ATLAS2.PGDB.ACIAFILE	0						NGNO					0		
☐	\$ATLAS2.PGDB.ACIDFILE	0						UUUU	O				0	A	B
☐	\$ATLAS2.PGDB.ACIDWORK	0						0000					0	B	
☐	\$ATLAS2.PGDB.ACSTWORK	0						0000					0		
☐	\$ATLAS2.PGDB.ACTRWORK	0						0000					0		
☐	\$ATLAS2.PGDB.AEACWORK	0						0000					0		
☐	\$ATLAS2.PGDB.AEANWORK	0						0000					0		
☐	\$ATLAS2.PGDB.AECMWORK	0						0000					0		
☐	\$ATLAS2.PGDB.AEFXWORK	0						0000					0		
☐	\$ATLAS2.PGDB.AELDWORK	0			0%	2014/07/20 12:33:41	1,255	0000					0		

Sort Percent Full

Ascending Descending

Filter Percent Full

Minimum display value

Maximum display value

Average for Column 10.27 %

Use Filter Clear Filter

Cancel

File Name \$ATLAS2.PGDB

All Files

Total File Size(EOF) 39,390,424,940

No Filter Displayed 139 of 139

Clear Config Request data collected 2014/07/24 15:10:21

Not Logged On Hints On ? Help Print Screen

TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 8%

\TSYP1

Pause...

2014/07/24 15:12:07

*Systems Overview CPUs Processes Files SubSystems History Alarms Configure

Enscribe SQL/MP Disk Entity DiskFile Entity DiskOpen Entity File Entity

Volume SubVolume File File Opener File Detail Cache Locks

X	FileName	Code	FileCode	EOF	Percent Full	Modification Date	Owner	Security	O	P	L	T	A	B	FA
☐	\$ATLAS2.PGDB.LDINFILE	0		93,077,504	81%	2014/07/24 15:01:23	1,255	NGNO	O				0	A	B
☐	\$ATLAS2.PGDB.AHSWFILE	0		309,161,984	81%	2014/07/02 19:10:44	1,255	NGNO					0		B
☐	\$ATLAS2.PGDB.CUIDFILE	0		48,463,872	71%	2014/07/24 14:48:02	1,255	NGNO	O				0	A	B
☐	\$ATLAS2.PGDB.POSNFILE	0		145,956,864	69%	2014/07/24 15:10:20	1,255	NCNU	O				0	A	B
☐	\$ATLAS2.PGDB.ISTSFIL	0		1,379,848,192	68%	2014/07/24 15:10:19	1,255	NGNO	O				0	A	B
☐	\$ATLAS2.PGDB.ACATFILE	0		293,781,504	67%	2014/07/24 14:48:02	1,255	OOOO	O				0	A	B
☐	\$ATLAS2.PGDB.CUIDFILO	0		29,335,552	62%	2014/07/24 12:50:06	1,255	NGNO	O				0	A	B
☐	\$ATLAS2.PGDB.CMPLFILE	0		4,009,984	61%	2014/07/24 00:06:58	1,255	NGNO					0	A	B
☐	\$ATLAS2.PGDB.PXRFFILE	0		15,118,336	57%	2014/07/24 14:55:12	1,255	NCNU	O				0	A	B
☐	\$ATLAS2.PGDB.CCNFFILE	0		30,212,096	57%	2014/07/24 14:48:02	1,255	NCNU	O				0	A	B
☐	\$ATLAS2.PGDB.AEPAWORK	0		1,098,027,008	51%	2013/09/24 11:51:59	1,255	OOOO					0		
☐	\$ATLAS2.PGDB.CPRDFILE	0		13,123,584	50%	2014/07/24 00:49:17	1,255	NGNO					0	A	B
☐	\$ATLAS2.PGDB.PRCHFILE	0		4,899,532,800	48%	2014/07/24 12:07:34	1,255	OOOO	O				0	A	B
☐	\$ATLAS2.PGDB.CUSTFILE	0		134,676,480	48%	2014/07/24 14:48:02	1,255	NGNO	O				0	A	B
☐	\$ATLAS2.PGDB.CPRSFIL	0		3,063,808	47%	2014/07/24 00:49:17	1,255	NGNO					0	A	B
☐	\$ATLAS2.PGDB.CPRTFIL	0		9,199,616	46%	2014/07/24 00:49:17	1,255	NGNO					0	A	B
☐	\$ATLAS2.PGDB.FACOFILO	0		34,414,592	43%	2006/02/28 23:25:15	1,255	NGNO	O				0	A	B

TOOL All Files

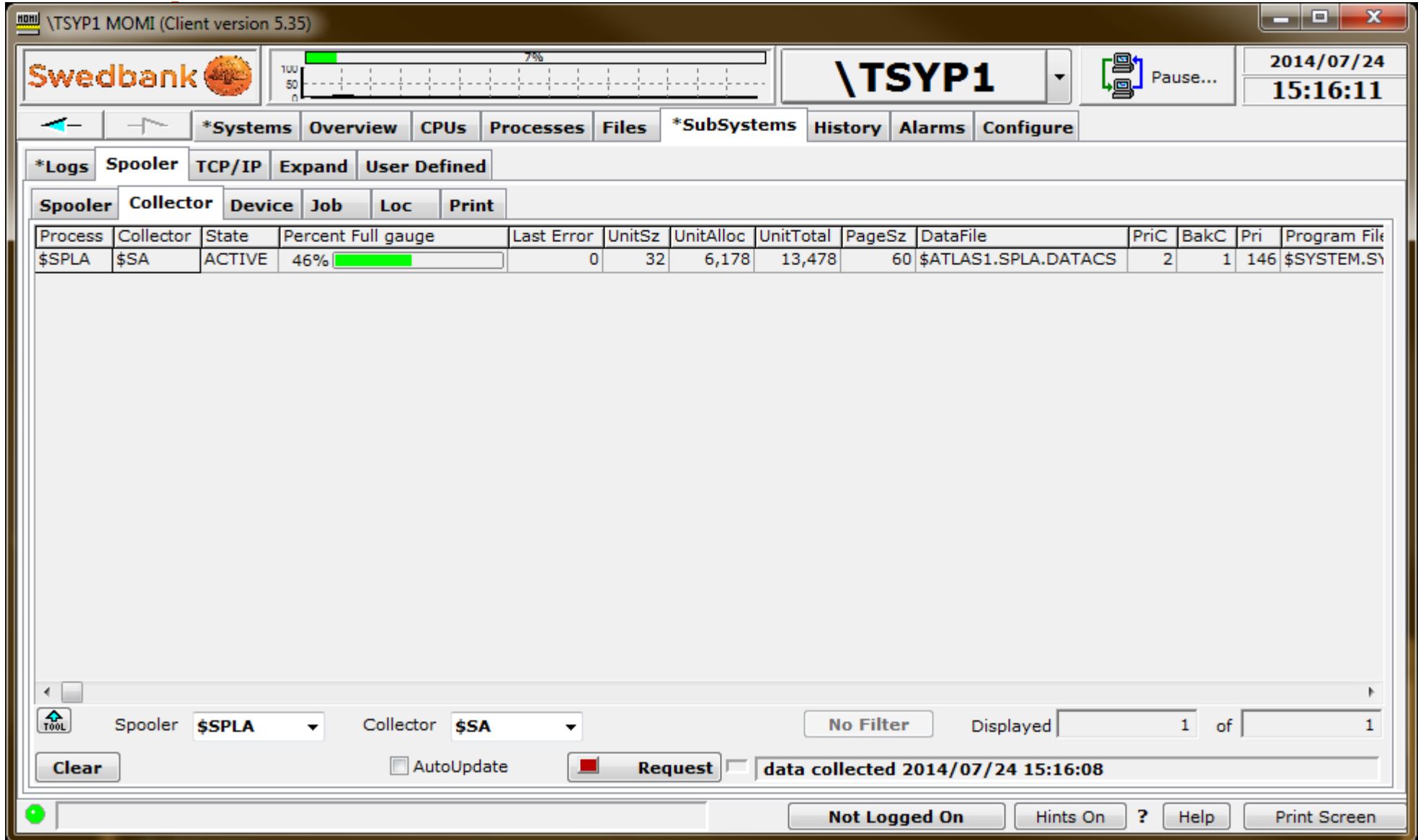
File Name \$ATLAS2.PGDB

Total File Size(EOF) 39,390,424,940

No Filter Displayed 139 of 139

Clear Config Request data collected 2014/07/24 15:10:21

Not Logged On Hints On ? Help Print Screen



TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 5%

\TSYP1

Pause...

2014/07/24 15:52:39

*Systems Overview CPUs Processes Files *SubSystems History Alarms Configure

Chart CPU Detail CPU Process OSS CPU OSS NameServer Process Start/Stop Export

History Chart Configuration

Time and Database Chart Elements PreConfigured Charts

Specify Chart START date/time

Now 2014/07/23 08:00:00

Optional Chart STOP date/time

☒ Now 2014/07/23 20:00:00

PreDefined Chart Times ...

Chart Title

Chart of all CPUs for CPU Busy

Specify Database to View

History Window Size	Newest Data	Oldest Data
2 Minute interval	2014/07/24 15:50:00	2014/07/21 03:12:00
10 Minute interval	2014/07/24 15:30:00	2014/07/19 11:50:00
1 Hour interval	2014/07/24 14:00:00	2014/07/12 15:00:00
1 Day interval	2014/07/23 01:00:00	2014/07/05 01:00:00

2 Minute interval

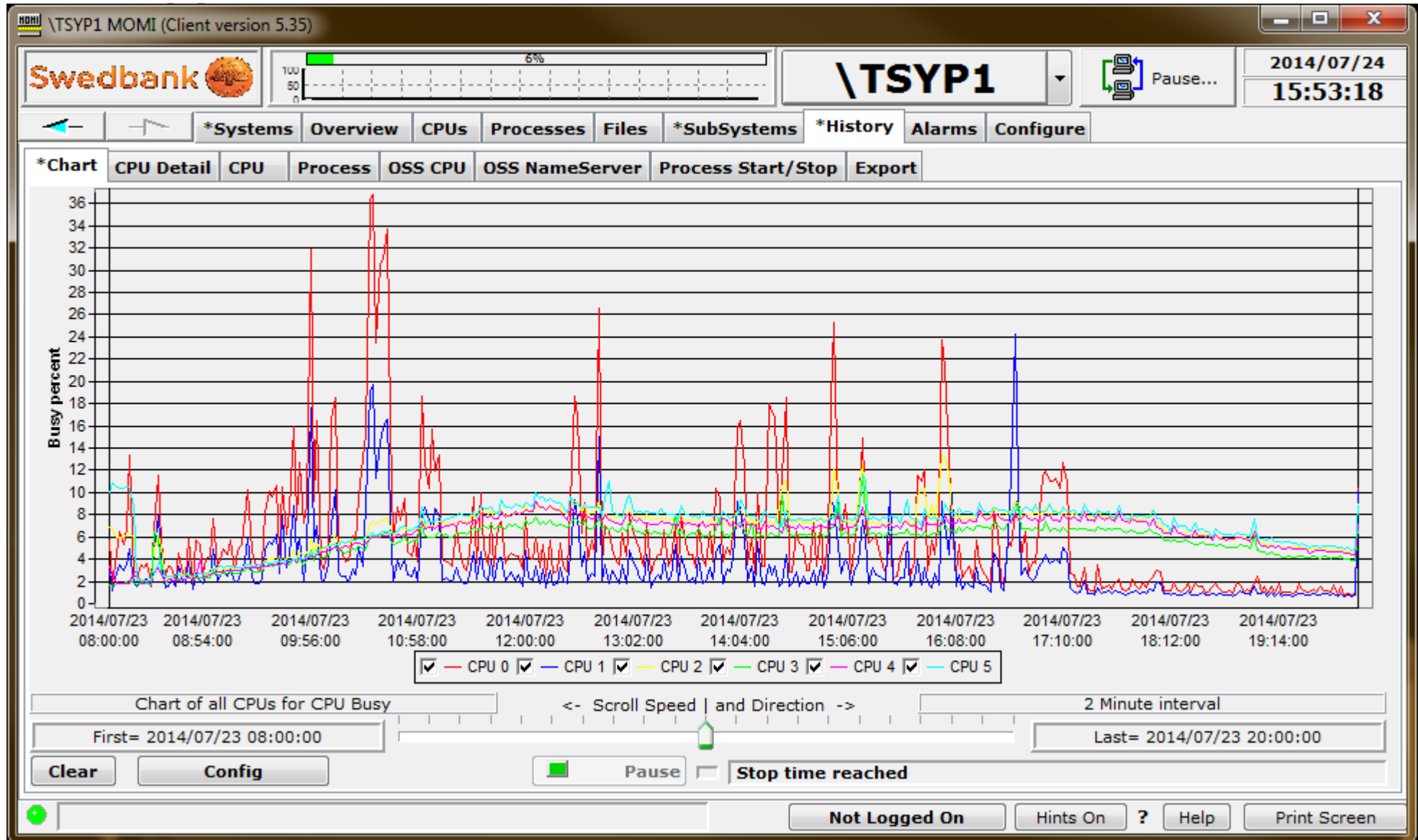
Pre-configured Charts

Chart all CPUs for Busy percent

User defined Pre-configured Charts

Clear current chart Request Close

Not Logged On Hints On ? Help Print Screen



MOMI CPU

Arkiv Start Infoga Sidlayout Formler Data Granska Visa

Klipp ut Kopiera Klistra in Hämta format

Calibri 11 A A

F K U Tecken

Radbryt text Centra över kolumner Justering

Allmänt Villkorsstyrd formatering Tal

A2 f \TSYP2

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	System(rated/sec)	Date	Time	CPU	Disk I/Os(r)	I/O/s							
2	\TSYP2	2013-12-10	12:00:00	0	927,48	7,73							
3	\TSYP2	2013-12-10	12:00:00	1	2634,18	21,95							
4	\TSYP2	2013-12-10	12:00:00	2	35408,86	295,07							
5	\TSYP2	2013-12-10	12:00:00	3	34902,01	290,85							
6	\TSYP2	2013-12-10	12:00:00	4	23191	193,26							
7	\TSYP2	2013-12-10	12:00:00	5	38856,27	323,80							
8	\TSYP2	2013-12-10	12:02:00	0	1093,3	9,11							
9	\TSYP2	2013-12-10	12:02:00	1	3079,94	25,67							
10	\TSYP2	2013-12-10	12:02:00	2	34789,49	289,91							
11	\TSYP2	2013-12-10	12:02:00	3	35498,91	295,82							
12	\TSYP2	2013-12-10	12:02:00	4	23198,85	193,32							
13	\TSYP2	2013-12-10	12:02:00	5	39638,75	330,32							
14	\TSYP2	2013-12-10	12:04:00	0	1016,71	8,47							
15	\TSYP2	2013-12-10	12:04:00	1	3501,84	29,18							
16	\TSYP2	2013-12-10	12:04:00	2	35274,54	293,95							
17	\TSYP2	2013-12-10	12:04:00	3	36896,08	307,47							
18	\TSYP2	2013-12-10	12:04:00	4	24413,63	203,45							
19	\TSYP2	2013-12-10	12:04:00	5	41186,25	343,22							
20	\TSYP2	2013-12-10	12:06:00	0	1264,94	10,54							
21	\TSYP2	2013-12-10	12:06:00	1	4237,42	35,31							

TSYP1 MOMI (Client version 5.35)

Swedbank  7%

\TSYP1

Pause...

2014/07/24 16:10:22

*Systems Overview CPUs Processes Files *SubSystems History Alarms Configure

Active Define List

Alarm	Action	Times	Email	Email Group
Disabled	Alarm Name	Entity Name	Entity Type	Entity SubType
	ATLAS PROCESSER	\$ENDE \$P320 \$PGP \$PGJ \$PGEP \$PGQ ...	Process	State running/stopped
	AUDIT TRAIL ON OVERFLOW VOLS	-	TMF	Audit Trail in overflow
	AUDIT TRAIL USAGE	-	TMF	Audit Trail
	B24 REFRESH	\$0	EMS	User defined
Disabled	BASE24 CPU USAGE LOW	2 3 4 5	CPU	Busy percent
	BASE24 DISK EXTENTS	\$B*	Volume	Largest free fragment (pages)
Disabled	BASE24 DSAF FILES IN USE	\$BASE*.PRO1SAF.*DSAF	DiskFile	Empty / Not Empty
	BASE24 FILES 1	\$BASE*.PRO1PTLF.P* \$base*.pro*.* ...	DiskFile	Percent full
	BASE24 FILES 2	\$base*.pro1data.prdf \$base*.pro1 ...	DiskFile	Percent full
	BASE24 ISAM DISK FULL	\$I*	Volume	Percent full
	BASE24 SAF FILES FULL	\$BASE*.PRO1SAFS.*	DiskFile	Percent full
	CPU BUSY	*	CPU	Busy percent
	CPU DOWN	*	CPU	Processor down
	CPU DUMP FILE	\$work1.cpu	DiskFile	Subvolume file count
	CPU TLE	*	CPU	TLEs
	DISK DOWN	\$*	Volume	Largest free fragment (pages)
	DISK FULL	\$A* \$B* \$D* \$L* \$O* \$SYS* -\$TMF ...	Volume	Percent full
	EMS EVENT BURST END	\$0	EMS	User defined
	EMS EVENT BURST START	\$0	EMS	User defined

No Filter Displayed 65 of 65

Not Logged On Hints On ? Help Print Screen

TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 9%

\TSYP1

Pause...

2014/07/24 16:09:41

*Systems Overview CPUs Processes Files *SubSystems History Alarms Configure

Active Define List

Alarm	Action	Times	Email	Email Group			
Disabled	Alarm Name	Interval Check	Interval InAlarm	Delay Alarm	Delay Interval	Monitor Times	Alarm Action
	ATLAS PROCESSOR	-	-	Delay Consecutive	180	-	LOG EVENT EMPHASSED
	AUDIT TRAIL ON OVERFLOW VOLS	-	-	No Delay	-	-	LOG EVENT EMPHASSED
	AUDIT TRAIL USAGE	-	-	No Delay	-	-	LOG EVENT EMPHASSED
	B24 REFRESH	-	-	No Delay	-	-	LOG EVENT EMPHASSED
Disabled	BASE24 CPU USAGE LOW	-	-	No Delay	-	B24 CPU USAGE	LOG TO MOMI
	BASE24 DISK EXTENTS	01:00:00	00:30:00	No Delay	-	-	LOG TO MOMI
Disabled	BASE24 DSAF FILES IN USE	01:00:00	01:00:00	No Delay	-	DSAF CHECK TIMES	LOG EVENT EMPHASSED
	BASE24 FILES 1	00:15:00	00:05:00	No Delay	-	-	LOG EVENT EMPHASSED
	BASE24 FILES 2	00:15:00	00:05:00	No Delay	-	-	LOG EVENT EMPHASSED
	BASE24 ISAM DISK FULL	00:05:00	00:01:00	No Delay	-	-	LOG EVENT EMPHASSED
	BASE24 SAF FILES FULL	00:15:00	00:05:00	No Delay	-	-	LOG EVENT EMPHASSED
	CPU BUSY	-	-	Delay Consecutive	300	-	LOG EVENT EMPHASSED
	CPU DOWN	-	-	No Delay	-	-	LOG EVENT EMPHASSED
	CPU DUMP FILE	00:05:00	00:05:00	No Delay	-	-	MAIL
	CPU TLE	-	-	No Delay	-	-	LOG EVENT EMPHASSED
	DISK DOWN	00:05:00	00:00:30	No Delay	-	-	LOG EVENT EMPHASSED
	DISK FULL	00:05:00	00:01:00	No Delay	-	-	LOG EVENT EMPHASSED
	EMS EVENT BURST END	-	-	No Delay	-	EMS CHECK TIMES	LOG TO MOMI YELLOW
	EMS EVENT BURST START	-	-	No Delay	-	EMS CHECK TIMES	LOG TO MOMI YELLOW

TOOL

No Filter Displayed 65 of 65

Not Logged On Hints On ? Help Print Screen

MOMI \TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 6%

\TSYP1

Pause...

2014/07/24 16:11:14

*Systems Overview CPUs Processes Files *SubSystems History Alarms Configure

Active Define List

Alarm Action Times Email Email Group

Disabled	Action Name	Action Description	Send To Screen	OnScreen Type	Increment Interval	Send To Log	Log Type	Log Detail	Send To EMS	EMS Type	EMS Detail	Send To EMail
	LOG EVENT EMPHASED	Send event to EMS emphasized	Screen	Screen	-	Log	Screen	F	EMS	Screen	F	-
	LOG TO MOMI		Screen	Screen	-	Log	Screen	F	-	-	-	-
	LOG TO MOMI YELLOW		Screen	Yellow	-	Log	Yellow	F	-	-	-	-
	MAIL	Mail to tandembox	-	-	-	Log	Screen	F	-	-	-	Email

TOOL

No Filter Displayed 4 of 4

Not Logged On Hints On ? Help Print Screen

\TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 10%

\TSYP1

Pause...

2014/07/24 16:11:37

*Systems Overview CPUs Processes Files *SubSystems History Alarms Configure

Active Define List

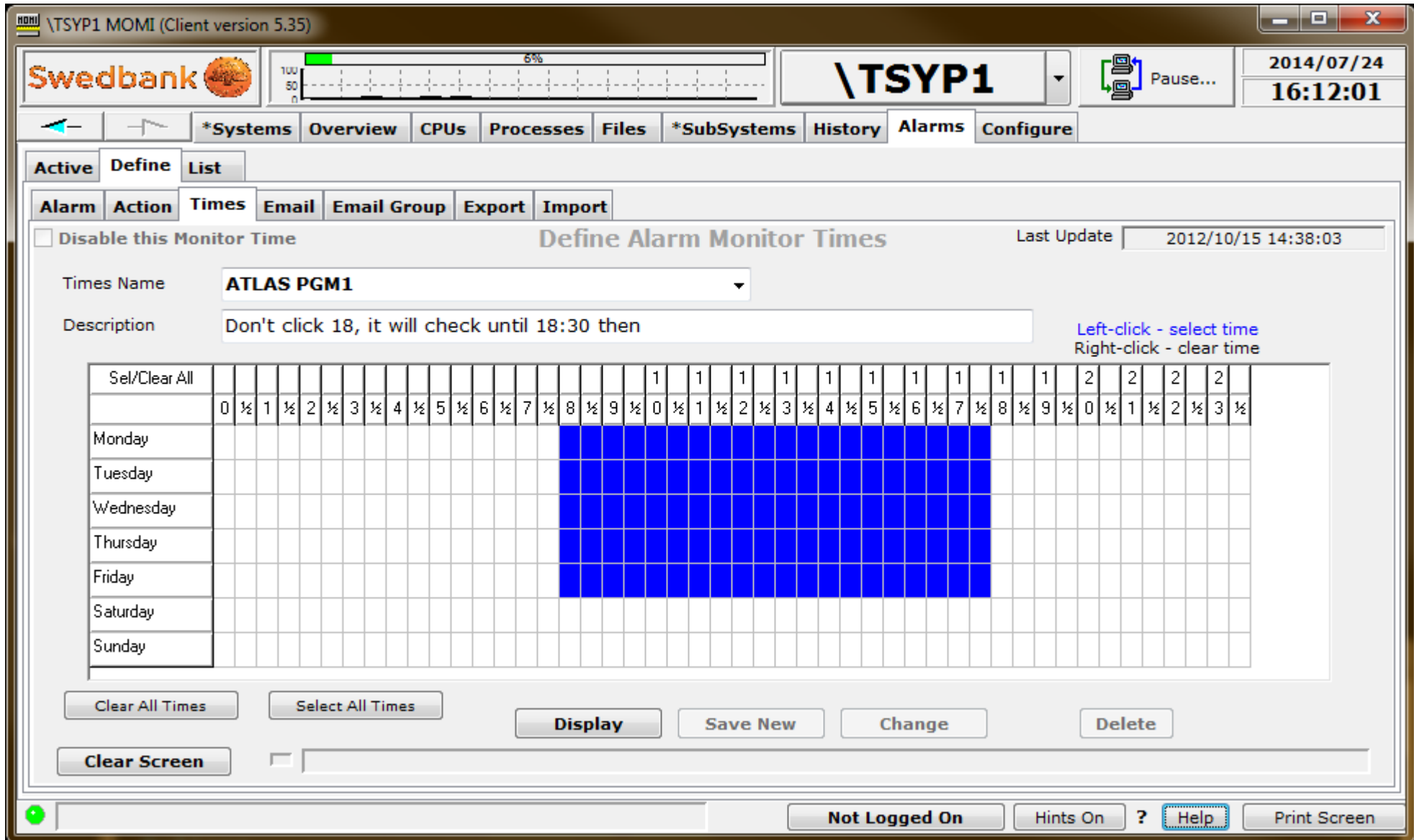
Alarm Action Times Email Email Group

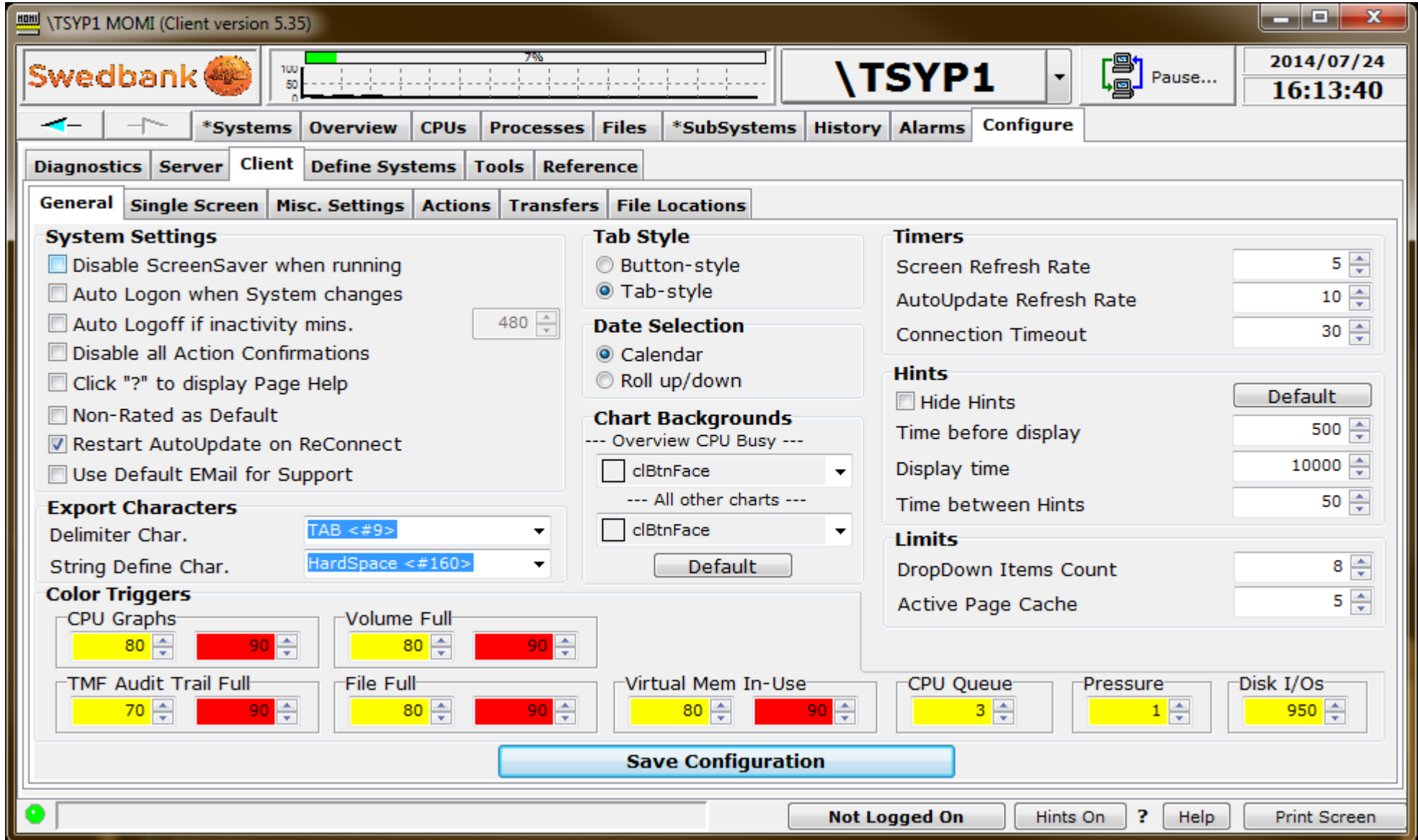
Disabled	MonTime Name	MonTime Description	Monitor Times	Last Update
	ATLAS P330		<Times>	2012/05/09 18:17:49
	ATLAS PGM1	Don't click 18, it will check until 18:30 then	<Times>	2012/10/15 14:38:03
	B24 CPU USAGE	Check cpus weekdays 11:30-17:00	<Times>	2012/05/09 18:17:49
	DSAF CHECK TIMES	Avoid night hours, work out of hpuse can cause bursts.	<Times>	2012/05/09 18:17:49
	EMS CHECK TIMES	Avoid night hours, work out of hpuse can cause bursts.	<Times>	2012/05/09 18:17:49
	ISAM FIL	Don't click 18, it will check until 18:30 then	<Times>	2013/01/29 13:35:10

TOOL

No Filter Displayed 6 of 6

Not Logged On Hints On ? Help Print Screen





TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 5%

\TSYP1

Pause...

2014/07/24 16:14:15

*Systems Overview CPUs Processes Files *SubSystems History Alarms Configure

Diagnostics Server Client Define Systems Tools Reference

General Single Screen Misc. Settings Actions Transfers File Locations

Systems Overview Processes Files SubSystems ... History Alarms Optional Screens

Overview

Overview Display Format

☐ Chart/Processes ☒ Chart/Processes/EMS Messages

CPU Busy Chart Type

☐ 2D ☐ 2D-Stacked ☒ 3D (IPUs if available)

☐ Smoothing Activated

EMS display

Collector process \$0 - EMS LOG \$

Distributor filter \$SYSTEM.UFILTERO.NVAO

Template file <NONE>

Message Count 500 Display Time Log LCT time

☒ Show EMS Horizontal Scrollbar if needed

Content Color highlighting ☐ ON ☒ OFF

☒ Display CPU Busy Chart in title

☒ Display Process/EMS Detail Hint

Save Configuration

Not Logged On Hints On ? Help Print Screen

TSYP1 MOMI (Client version 5.35)

Swedbank  100 50 0 6%

\TSYP1

Pause...

2014/07/24 16:12:36

*Systems Overview CPUs Processes Files *SubSystems History Alarms Configure

Diagnostics Server Client Define Systems Tools Reference

Unit Conversion ASCII Chart Errors/Codes 6530 Codes BlackWood Systems

S/U	Err/Key	System	Error Text
Sys	0	File System	[ENOERR] The operation completed successfully.
Sys	0	WINDOWS	[ERROR_SUCCESS] The operation completed successfully
Sys	1	NewProcess	Undefined external(s)
Sys	1	TCP/IPv6	Invalid File Name
Sys	1	TCP Port	TCP Port Service Multiplexer (TCPMUX)
Sys	1	WINDOWS	[ERROR_INVALID_FUNCTION] Incorrect function
Sys	1	Process Create	A File system error was encountered on the program file
Sys	1	File System	A read procedure reached end-of-file or a write procedure reached end of tape.
Sys	1	Momi Msg	[STD_REQUEST_V16] standard request (message version 16)
Sys	2	NewProcess	No PCB available
Sys	2	WINDOWS	[ERROR_FILE_NOT_FOUND] The system cannot find the file specified
Sys	2	File System	The operation specified is not allowed on this type of file.
Sys	2	Momi Msg	[SYSTEM_INFO_V16] system information (message version 16)
Sys	2	TCP/IPv6	INTERNAL ERROR: Case value out of range
Sys	2	Process Create	Parameter error
Sys	3	File System	An open or purge of a partition failed.
Sys	3	Process Create	Bounds violation
Sys	3	TCP/IPv6	Missing Attribute

Right-Click to copy t

TOOL Error/Code/Keyword System Error/Code Text

Show Error/Code Show All Errors/Codes Clear Update/Add Delete

Not Logged On Hints On ? Help Print Screen



100

50

0

6%

TSYP1

▼



Pause...

2014/07/24

16:12:57

←

→

*Systems

Overview

CPU

Processes

Files

*SubSystems

History

Alarms

Configure

Diagnostics

Server

Client

Define Systems

Tools

Reference

Unit Conversion

ASCII Chart

Errors/Codes

6530 Codes

BlackWood Systems

* 6530 Terminal Control Codes and Escape Sequences(the Lost Manual)*

Conversational Mode Control Codes / Escape Sequences

=====

Although most of the escape sequences are useful only to application programmers, two conversational mode escape sequences that you may want to try using are described in this document: the ESC 6 sequence that lets you set video attributes, and the Esc o sequence that lets you write text into the message area of the 25th line of the screen.

Setting Video Attributes

=====

The ESC 6 sequence lets you set video attributes for different areas of the screen. The video attributes determine how characters appear on the screen (for example, in reverse video or underscored). The escape code (ESC 6) is followed by a character (called an attribute character) that selects a combination of video attributes

●

Not Logged On

Hints On

?

Help

Print Screen

© Swedbank Date
2014-07-24

39