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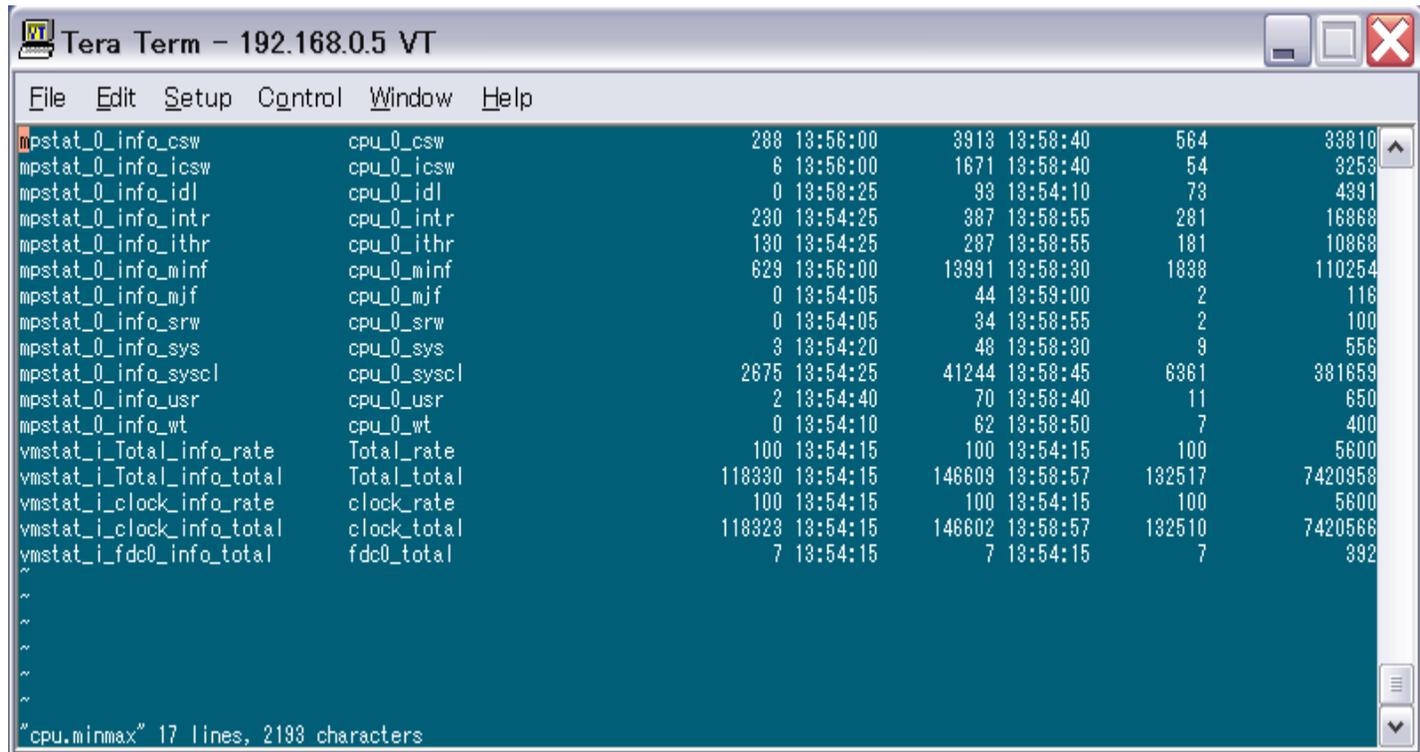
ACT

The Art of Computer Technologies, Corp.

編集出力サンプル For **Solaris** systems

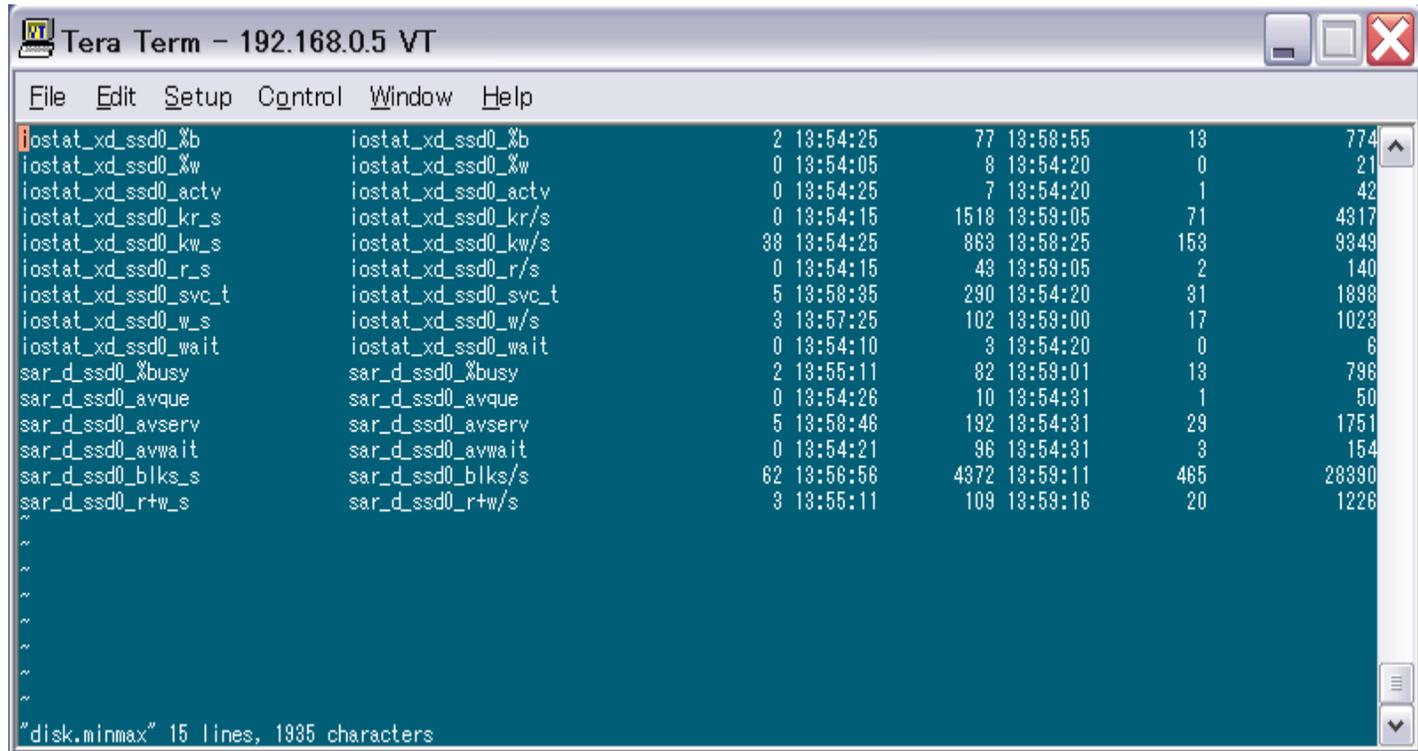
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また、本文ではTM、®、©の各マークは省略しています。

1.2 cpu.minmax



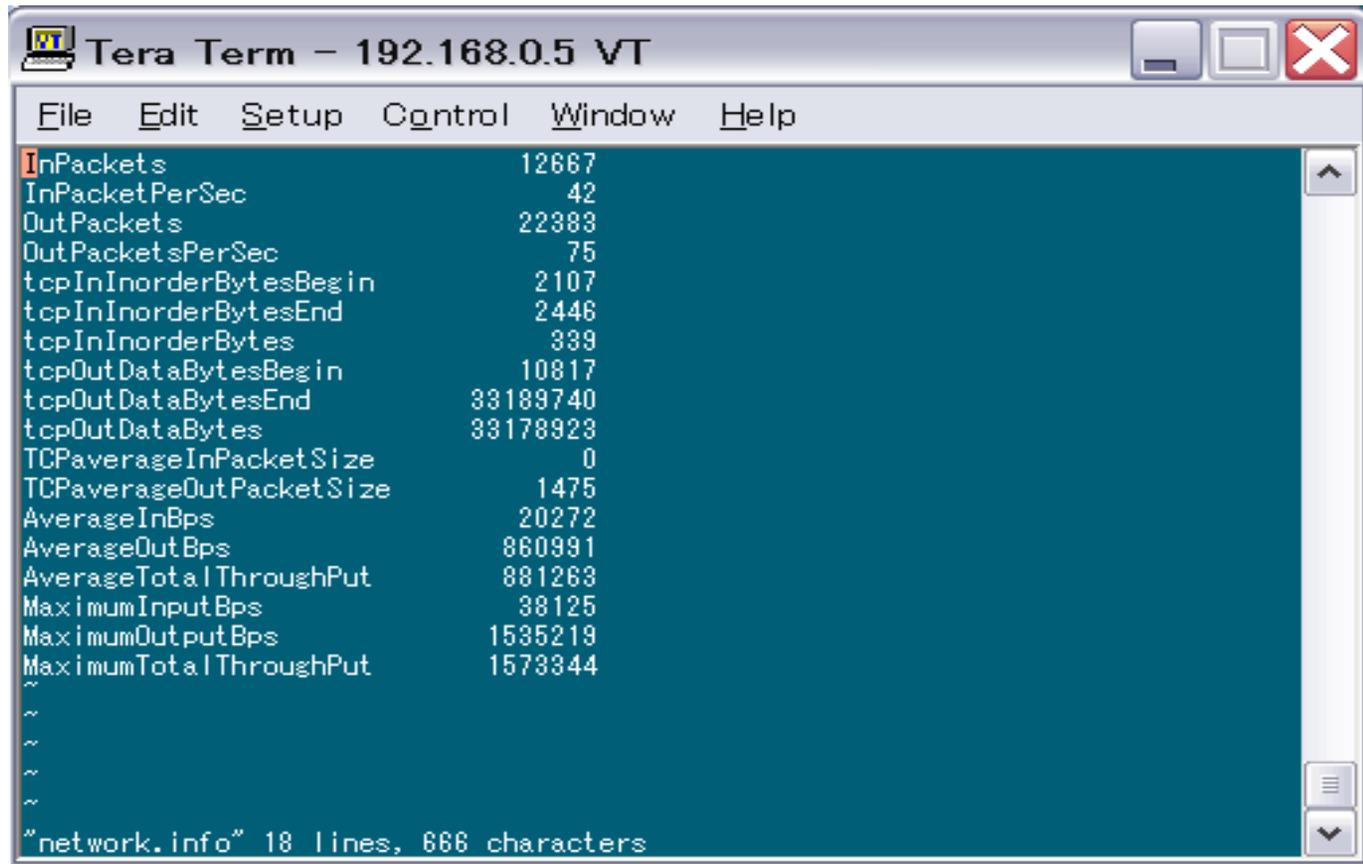
```
Tera Term - 192.168.0.5 VT
File Edit Setup Control Window Help
mpstat_0_info_csw      cpu_0_csw      288 13:56:00      3913 13:58:40      564      33810
mpstat_0_info_icsw    cpu_0_icsw     8 13:56:00      1671 13:58:40      54      3253
mpstat_0_info_idl     cpu_0_idl      0 13:58:25      93 13:54:10      73      4391
mpstat_0_info_intr    cpu_0_intr     230 13:54:25      387 13:58:55      281     16868
mpstat_0_info_ithr    cpu_0_ithr     130 13:54:25      287 13:58:55      181     10868
mpstat_0_info_minf    cpu_0_minf     629 13:56:00      13991 13:58:30      1838     110254
mpstat_0_info_mjf     cpu_0_mjf      0 13:54:05      44 13:59:00      2      116
mpstat_0_info_srw     cpu_0_srw      0 13:54:05      34 13:58:55      2      100
mpstat_0_info_sys     cpu_0_sys      3 13:54:20      48 13:58:30      9      558
mpstat_0_info_syscl   cpu_0_syscl    2675 13:54:25      41244 13:58:45      6361     381659
mpstat_0_info_usr     cpu_0_usr      2 13:54:40      70 13:58:40      11      650
mpstat_0_info_wt      cpu_0_wt       0 13:54:10      62 13:58:50      7      400
vmstat_i_Total_info_rate Total_rate      100 13:54:15      100 13:54:15      100     5600
vmstat_i_Total_info_total Total_total     118930 13:54:15      146609 13:58:57      132517     7420958
vmstat_i_clock_info_rate clock_rate      100 13:54:15      100 13:54:15      100     5600
vmstat_i_clock_info_total clock_total     118923 13:54:15      146602 13:58:57      132510     7420566
vmstat_i_fdc0_info_total fdc0_total     7 13:54:15      7 13:54:15      7      392
~
~
~
~
~
"cpu.minmax" 17 lines, 2193 characters
```


1.4 disk.minmax



```
Tera Term - 192.168.0.5 VT
File Edit Setup Control Window Help
iostat_xd_ssd0_%b      iostat_xd_ssd0_%b      2 13:54:25      77 13:58:55      13      774
iostat_xd_ssd0_%w      iostat_xd_ssd0_%w      0 13:54:05      8 13:54:20      0       21
iostat_xd_ssd0_actv     iostat_xd_ssd0_actv     0 13:54:25      7 13:54:20      1       42
iostat_xd_ssd0_kr/s     iostat_xd_ssd0_kr/s     0 13:54:15      1518 13:59:05     71     4317
iostat_xd_ssd0_kw/s     iostat_xd_ssd0_kw/s     38 13:54:25     863 13:58:25     153    9349
iostat_xd_ssd0_r/s      iostat_xd_ssd0_r/s      0 13:54:15      43 13:59:05      2      140
iostat_xd_ssd0_svc_t    iostat_xd_ssd0_svc_t    5 13:58:35     290 13:54:20      31    1898
iostat_xd_ssd0_w/s      iostat_xd_ssd0_w/s      3 13:57:25     102 13:59:00     17    1023
iostat_xd_ssd0_wait     iostat_xd_ssd0_wait     0 13:54:10      3 13:54:20      0        6
sar_d_ssd0_%busy       sar_d_ssd0_%busy       2 13:55:11     82 13:59:01     13     796
sar_d_ssd0_avque       sar_d_ssd0_avque       0 13:54:26     10 13:54:31      1       50
sar_d_ssd0_avserv      sar_d_ssd0_avserv      5 13:58:46     192 13:54:31     29    1751
sar_d_ssd0_await       sar_d_ssd0_await       0 13:54:21     96 13:54:31      3      154
sar_d_ssd0_blks/s      sar_d_ssd0_blks/s      62 13:56:56    4372 13:59:11     465   28390
sar_d_ssd0_rtw/s       sar_d_ssd0_rtw/s       3 13:55:11     109 13:59:16     20    1228
~
~
~
~
~
~
~
"disk.minmax" 15 lines, 1935 characters
```


1.6 network.info

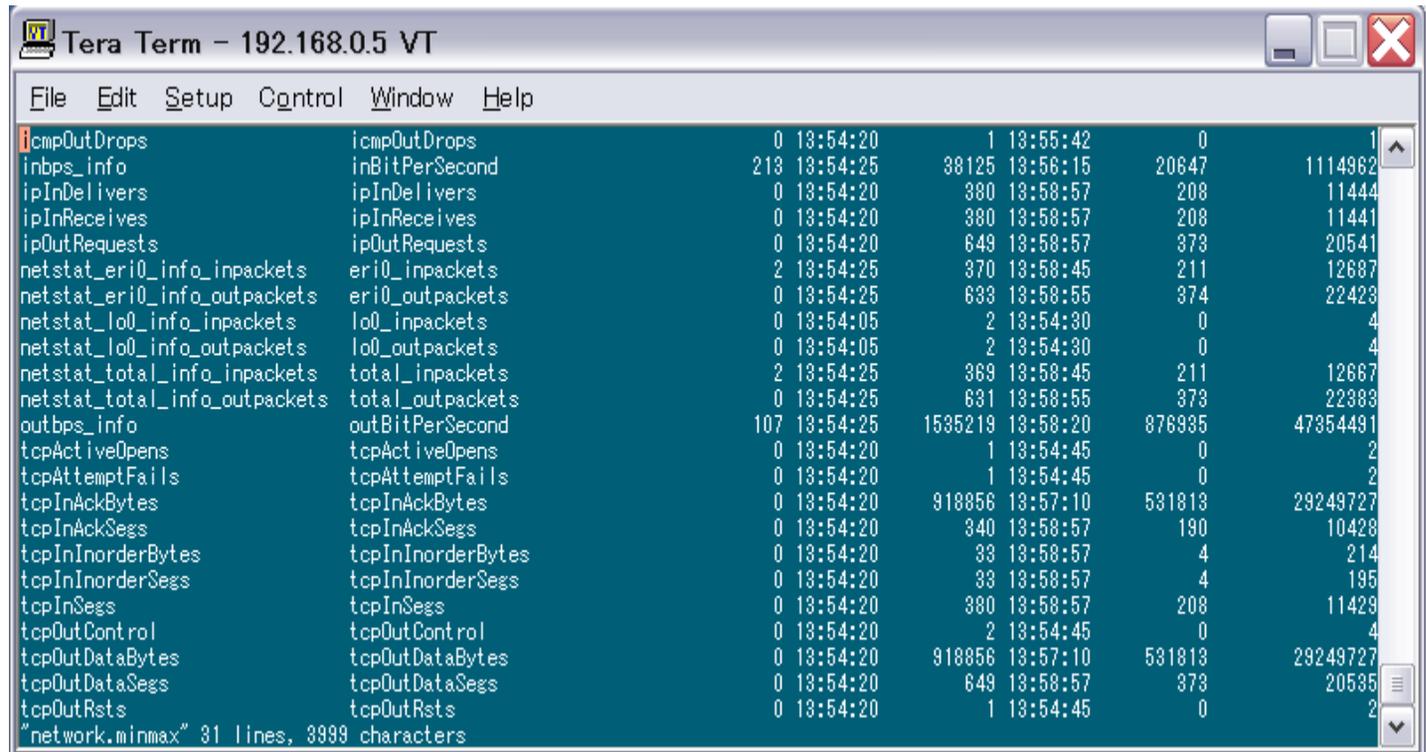


The screenshot shows a Tera Term window titled "Tera Term - 192.168.0.5 VT". The window contains a list of network statistics with their corresponding values. The statistics are as follows:

InPackets	12667
InPacketPerSec	42
OutPackets	22383
OutPacketsPerSec	75
tcpInInorderBytesBegin	2107
tcpInInorderBytesEnd	2446
tcpInInorderBytes	339
tcpOutDataBytesBegin	10817
tcpOutDataBytesEnd	33189740
tcpOutDataBytes	33178923
TCPaverageInPacketSize	0
TCPaverageOutPacketSize	1475
AverageInBps	20272
AverageOutBps	860991
AverageTotalThroughPut	881263
MaximumInputBps	38125
MaximumOutputBps	1535219
MaximumTotalThroughPut	1573344
~	
~	
~	
~	

At the bottom of the window, it displays: "network.info" 18 lines, 666 characters

1.7 network.minmax

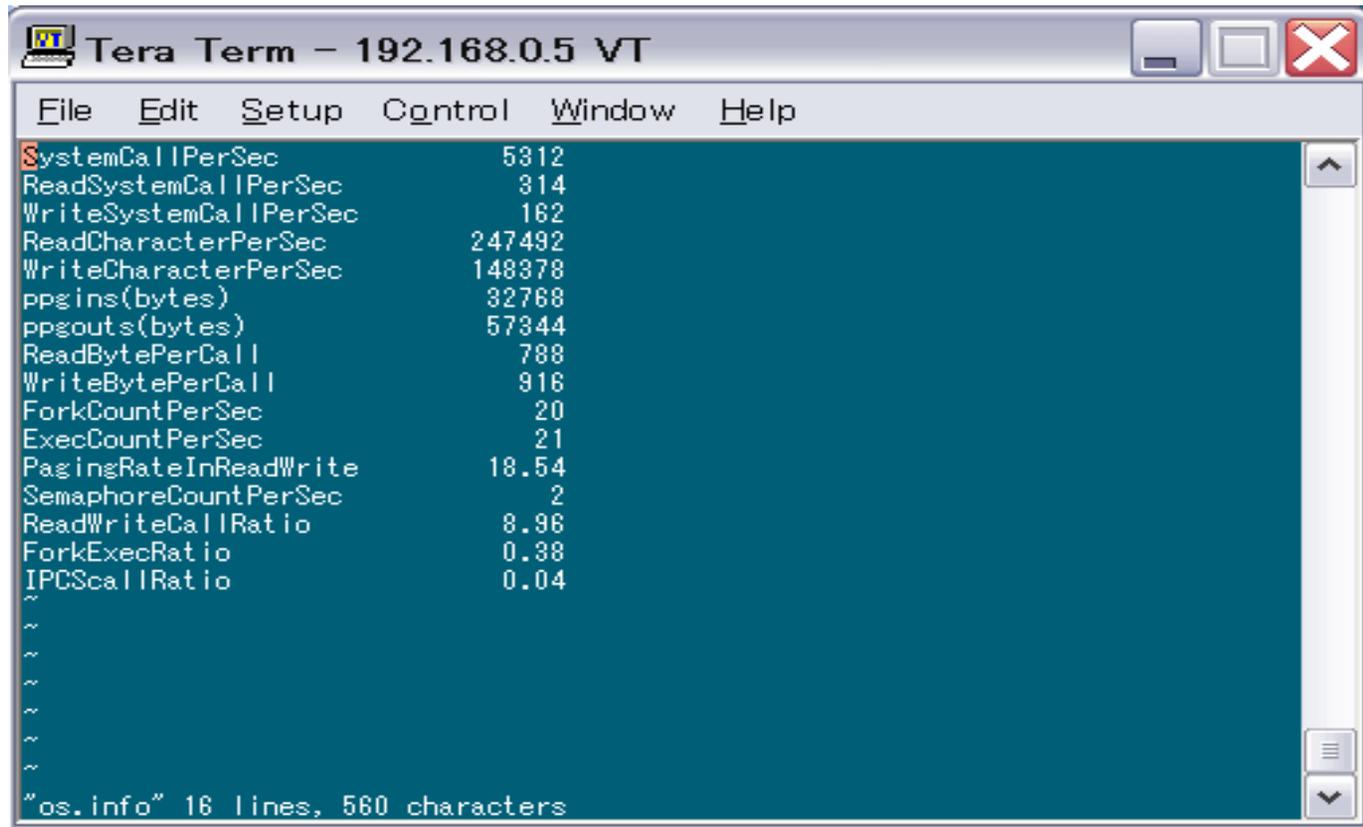


The screenshot shows a terminal window titled "Tera Term - 192.168.0.5 VT". The window contains a list of network statistics with columns for metric name, value, time, and other data. The output is as follows:

Metric	Value	Time	Other	Count
icmpOutDrops	0	13:54:20	13:55:42	0
inbps_info	213	13:54:25	38125	1114962
ipInDelivers	0	13:54:20	380	11444
ipInReceives	0	13:54:20	380	11441
ipOutRequests	0	13:54:20	649	20541
netstat_eri0_info_inpackets	2	13:54:25	370	12687
netstat_eri0_info_outpackets	0	13:54:25	633	22423
netstat_lo0_info_inpackets	0	13:54:05	2	4
netstat_lo0_info_outpackets	0	13:54:05	2	4
netstat_total_info_inpackets	2	13:54:25	369	12667
netstat_total_info_outpackets	0	13:54:25	631	22383
outbps_info	107	13:54:25	1535219	47354491
tcpActiveOpens	0	13:54:20	1	2
tcpAttemptFails	0	13:54:20	1	2
tcpInAckBytes	0	13:54:20	918856	29249727
tcpInAckSegs	0	13:54:20	340	10428
tcpInInorderBytes	0	13:54:20	33	214
tcpInInorderSegs	0	13:54:20	33	195
tcpInSegs	0	13:54:20	380	11429
tcpOutControl	0	13:54:20	2	4
tcpOutDataBytes	0	13:54:20	918856	29249727
tcpOutDataSegs	0	13:54:20	649	20535
tcpOutRsts	0	13:54:20	1	2

"network.minmax" 31 lines, 3999 characters

1.8 os.info

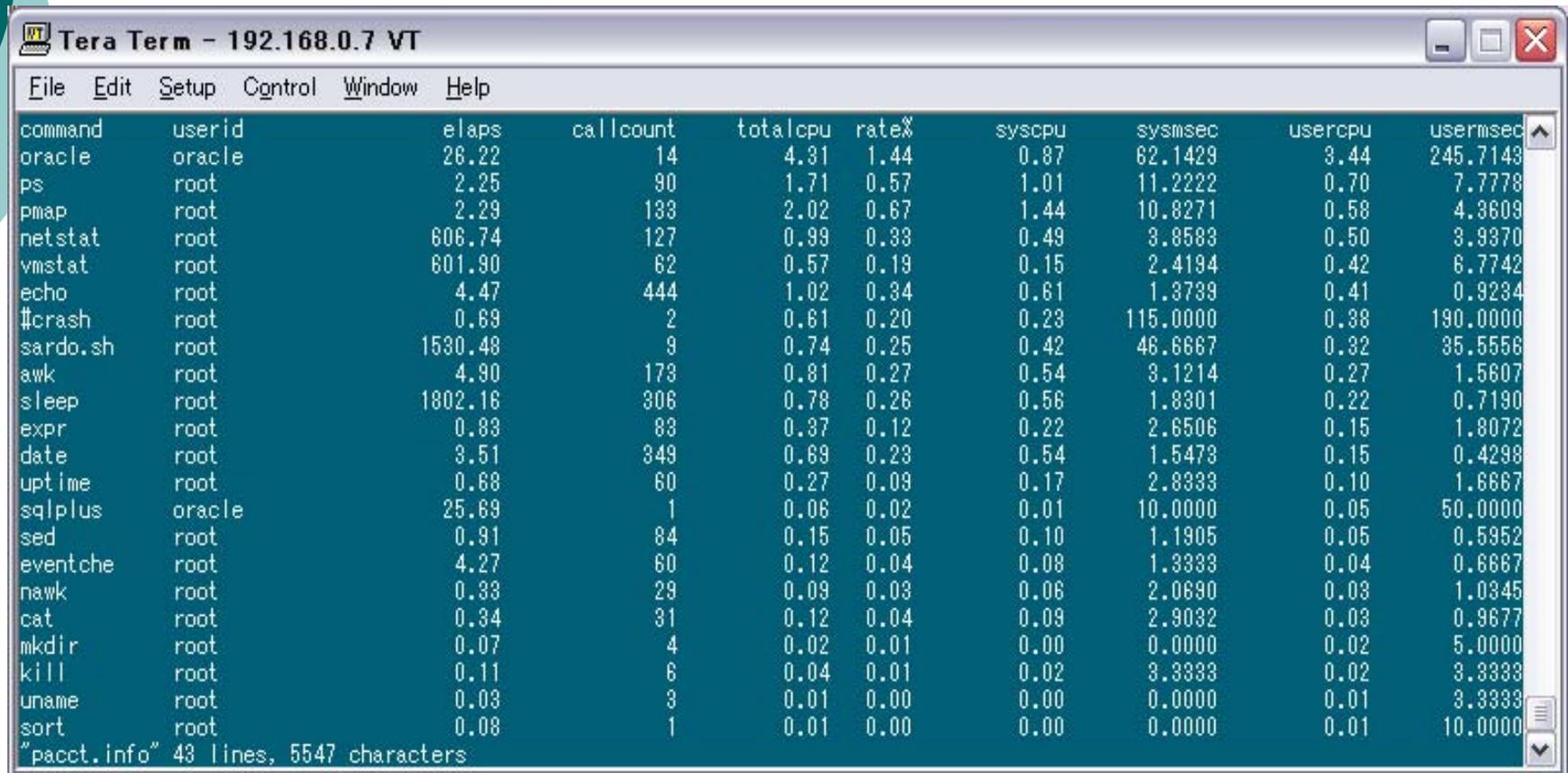


The screenshot shows a Tera Term window titled "Tera Term - 192.168.0.5 VT". The window contains a list of system statistics with their corresponding values. The statistics are as follows:

SystemCallPerSec	5312
ReadSystemCallPerSec	314
WriteSystemCallPerSec	162
ReadCharacterPerSec	247492
WriteCharacterPerSec	148378
ppgins(bytes)	32768
ppgouts(bytes)	57344
ReadBytePerCall	788
WriteBytePerCall	916
ForkCountPerSec	20
ExecCountPerSec	21
PagingRateInReadWrite	18.54
SemaphoreCountPerSec	2
ReadWriteCallRatio	8.96
ForkExecRatio	0.38
IPCScallRatio	0.04
~	
~	
~	
~	
~	
~	
~	

At the bottom of the window, it displays: "os.info" 16 lines, 560 characters

1.9 pacct.info



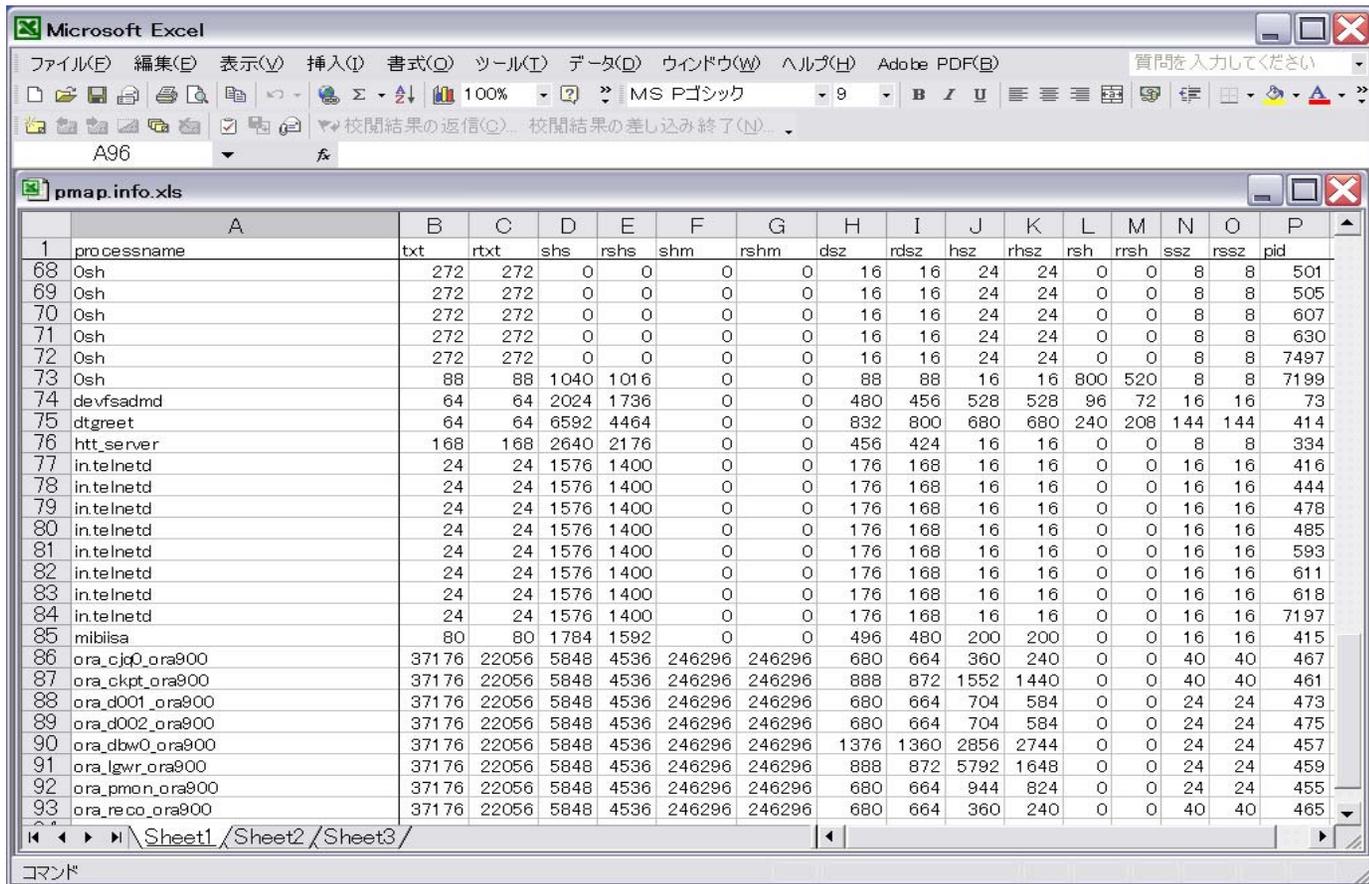
command	userid	elaps	callcount	totalcpu	rate%	syscpu	sysmsec	usercpu	usermsec
oracle	oracle	26.22	14	4.31	1.44	0.87	62.1429	3.44	245.7143
ps	root	2.25	90	1.71	0.57	1.01	11.2222	0.70	7.7778
pmap	root	2.29	133	2.02	0.67	1.44	10.8271	0.58	4.3609
netstat	root	606.74	127	0.99	0.33	0.49	3.8583	0.50	3.9370
vmstat	root	601.90	62	0.57	0.19	0.15	2.4194	0.42	6.7742
echo	root	4.47	444	1.02	0.34	0.61	1.3739	0.41	0.9234
!crash	root	0.69	2	0.61	0.20	0.23	115.0000	0.38	190.0000
sardo.sh	root	1530.48	9	0.74	0.25	0.42	46.6667	0.32	35.5556
awk	root	4.90	173	0.81	0.27	0.54	3.1214	0.27	1.5607
sleep	root	1802.16	306	0.78	0.26	0.56	1.8301	0.22	0.7190
expr	root	0.83	83	0.37	0.12	0.22	2.6506	0.15	1.8072
date	root	3.51	349	0.69	0.23	0.54	1.5473	0.15	0.4298
uptime	root	0.68	60	0.27	0.09	0.17	2.8333	0.10	1.6667
sqlplus	oracle	25.69	1	0.06	0.02	0.01	10.0000	0.05	50.0000
sed	root	0.91	84	0.15	0.05	0.10	1.1905	0.05	0.5952
eventche	root	4.27	60	0.12	0.04	0.08	1.3333	0.04	0.6667
nawk	root	0.33	29	0.09	0.03	0.06	2.0690	0.03	1.0345
cat	root	0.34	31	0.12	0.04	0.09	2.9032	0.03	0.9677
mkdir	root	0.07	4	0.02	0.01	0.00	0.0000	0.02	5.0000
kill	root	0.11	6	0.04	0.01	0.02	3.3333	0.02	3.3333
uname	root	0.03	3	0.01	0.00	0.00	0.0000	0.01	3.3333
sort	root	0.08	1	0.01	0.00	0.00	0.0000	0.01	10.0000

"pacct.info" 43 lines, 5547 characters

1.10 os.minmax

```
Tera Term - 192.168.0.5 VT
File Edit Setup Control Window Help
sar_a_dirbk_s      dirbk/s          0 13:54:26      29 13:58:46      2      138
sar_a_iget_s      iget/s          0 13:54:26      17 13:58:36      1       63
sar_a_namei_s     namei/s        141 13:56:56     1937 13:58:46     496    27793
sar_b_%rcache     %rcache        100 13:54:21     100 13:54:21     100    5600
sar_b_%wcache     %wcache        65 13:57:31     100 13:54:26     92    5180
sar_b_bread_s     bread/s        0 13:54:21      1 13:58:51      0       1
sar_b_bwrit_s     bwrit/s        0 13:54:26      34 13:58:36      4      246
sar_b_lread_s     lread/s       41 13:55:21     1510 13:58:36     176    9872
sar_b_lwrit_s     lwrit/s        4 13:56:56     922 13:58:36     39    2180
sar_c_exec_s      exec/s         8 13:55:21     175 13:58:46     21    1170
sar_c_fork_s      fork/s         6 13:55:21     175 13:58:46     20    1121
sar_c_rchar_s     rchar/s       19157 13:56:56   1897255 13:58:31   247492 13859575
sar_c_scall_s     scall/s       1626 13:56:56   22846 13:54:31    5312  297490
sar_c_sread_s     sread/s       44 13:56:56   2638 13:58:56     314  17563
sar_c_swrit_s     swrit/s       28 13:55:21   2250 13:58:56     162  9094
sar_c_wchar_s     wchar/s      23092 13:55:16  1037190 13:58:36  148378 8309162
sar_g_pgfree_s    pgfree/s       2 13:56:56     86 13:58:36      6     359
sar_g_pgout_s     pgout/s        1 13:56:56     29 13:58:36      3     179
sar_g_ppgout_s    ppgout/s       2 13:56:56    101 13:58:36      7     387
sar_k_lg_alloc    lg_alloc      60678520 13:54:21  63057288 13:58:56  61669749 3453505928
sar_k_lg_mem      lg_mem        64462848 13:54:21  66977792 13:58:56  65608558 3674079232
sar_k_ovsz_alloc  ovsz_alloc    21676032 13:54:21  22110208 13:58:51  21879077 1225228288
sar_k_sml_alloc   sml_alloc     5060603 13:54:21   6087035 13:58:56   5635961  315613824
"os.minmax" line 1 of 73 --1%--
```

1.11 pmap.info



The screenshot shows a Microsoft Excel spreadsheet titled 'pmap.info.xls'. The spreadsheet contains a table with 16 columns (A-P) and 30 rows of data. The columns represent various memory usage metrics for different processes. The processes listed include 'Osh', 'devfsadmd', 'dtgreet', 'htt_server', 'in.telnetd', 'mibiisa', and several 'ora_*_ora900' processes.

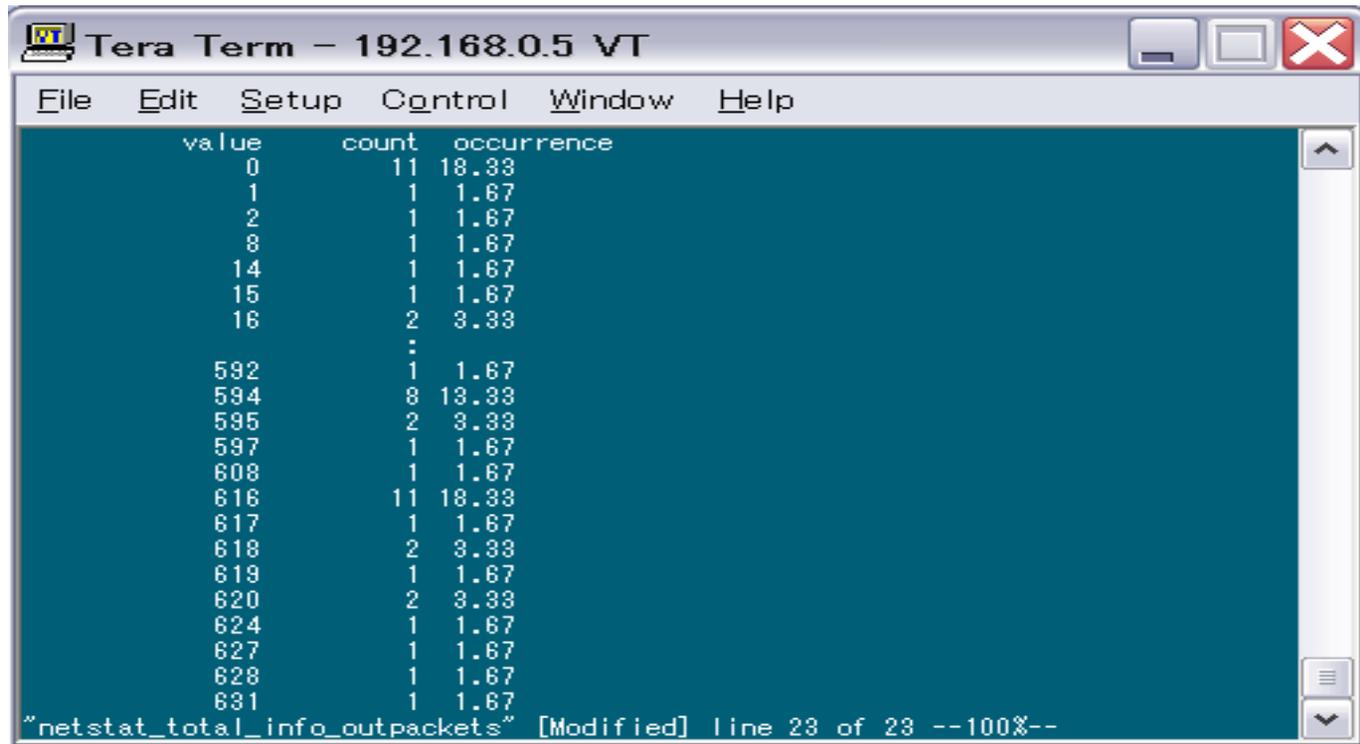
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	processname	txt	rtxt	shs	rshs	shm	rshm	dsz	rdsz	hsz	rhsz	rsh	rrsh	ssz	rssz	pid
68	Osh	272	272	0	0	0	0	16	16	24	24	0	0	8	8	501
69	Osh	272	272	0	0	0	0	16	16	24	24	0	0	8	8	505
70	Osh	272	272	0	0	0	0	16	16	24	24	0	0	8	8	607
71	Osh	272	272	0	0	0	0	16	16	24	24	0	0	8	8	630
72	Osh	272	272	0	0	0	0	16	16	24	24	0	0	8	8	7497
73	Osh	88	88	1040	1016	0	0	88	88	16	16	800	520	8	8	7199
74	devfsadmd	64	64	2024	1736	0	0	480	456	528	528	96	72	16	16	73
75	dtgreet	64	64	6592	4464	0	0	832	800	680	680	240	208	144	144	414
76	htt_server	168	168	2640	2176	0	0	456	424	16	16	0	0	8	8	334
77	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	416
78	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	444
79	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	478
80	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	485
81	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	593
82	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	611
83	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	618
84	in.telnetd	24	24	1576	1400	0	0	176	168	16	16	0	0	16	16	7197
85	mibiisa	80	80	1784	1592	0	0	496	480	200	200	0	0	16	16	415
86	ora_cj0_ora900	37176	22056	5848	4536	246296	246296	680	664	360	240	0	0	40	40	467
87	ora_ckpt_ora900	37176	22056	5848	4536	246296	246296	888	872	1552	1440	0	0	40	40	461
88	ora_d001_ora900	37176	22056	5848	4536	246296	246296	680	664	704	584	0	0	24	24	473
89	ora_d002_ora900	37176	22056	5848	4536	246296	246296	680	664	704	584	0	0	24	24	475
90	ora_dbw0_ora900	37176	22056	5848	4536	246296	246296	1376	1360	2856	2744	0	0	24	24	457
91	ora_lgwr_ora900	37176	22056	5848	4536	246296	246296	888	872	5792	1648	0	0	24	24	459
92	ora_pmon_ora900	37176	22056	5848	4536	246296	246296	680	664	944	824	0	0	24	24	455
93	ora_reco_ora900	37176	22056	5848	4536	246296	246296	680	664	360	240	0	0	40	40	465

2. networkトレンドファイル

2.1 netstat_total_info_inpackets

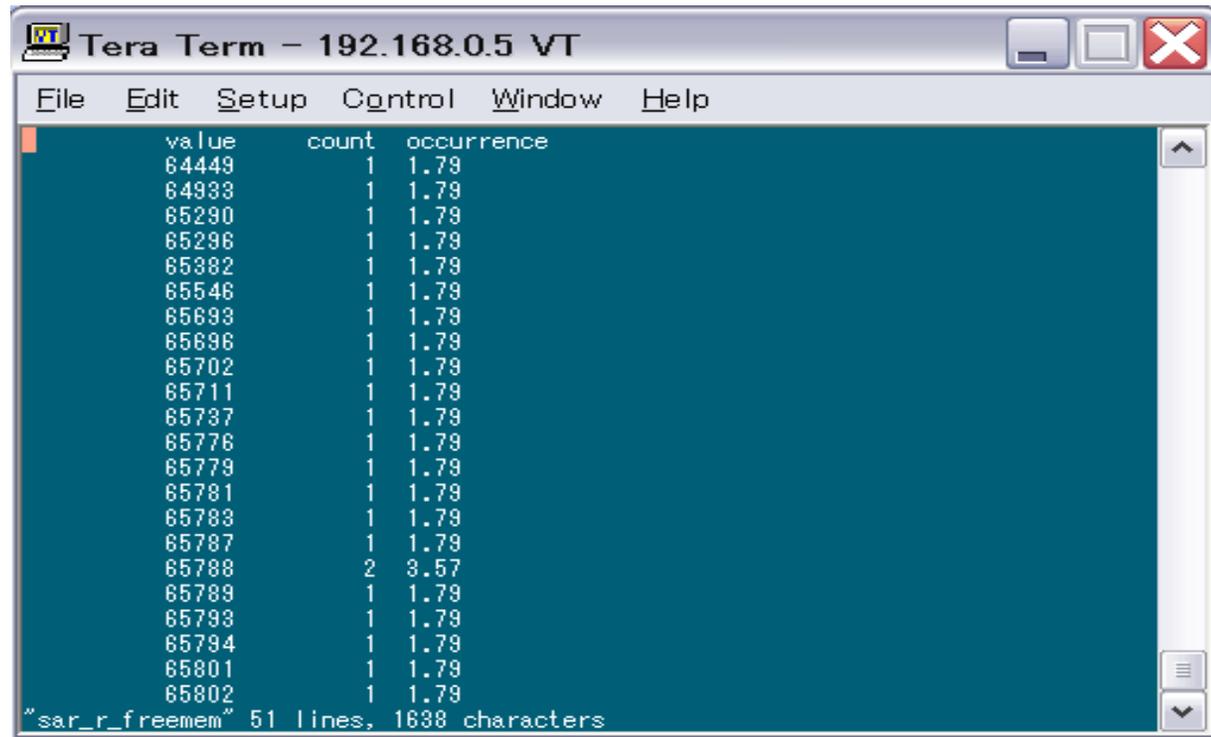
```
Tera Term - 192.168.0.5 VT
File Edit Setup Control Window Help
value count occurrence
2 5 8.33
3 5 8.33
4 2 3.33
6 1 1.67
:
34 2 3.33
:
234 1 1.67
327 8 13.33
328 3 5.00
330 1 1.67
338 4 6.67
339 6 10.00
340 2 3.33
342 1 1.67
343 2 3.33
344 1 1.67
353 1 1.67
357 2 3.33
361 1 1.67
363 1 1.67
369 1 1.67
"netstat_total_info_inpackets" [Modified] line 23 of 23 --100%--
```

2.2 netstat_total_info_outpackets



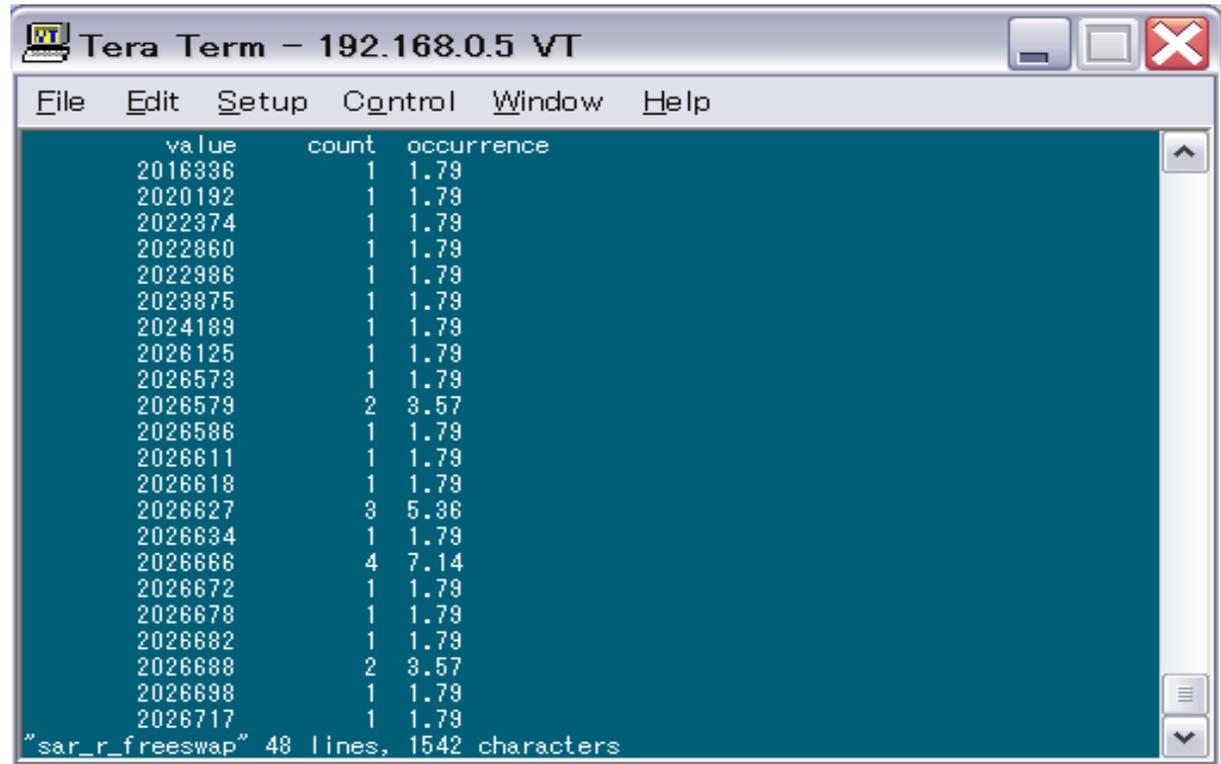
```
Tera Term - 192.168.0.5 VT
File Edit Setup Control Window Help
value count occurrence
0 11 18.33
1 1 1.67
2 1 1.67
8 1 1.67
14 1 1.67
15 1 1.67
16 2 3.33
:
592 1 1.67
594 8 13.33
595 2 3.33
597 1 1.67
608 1 1.67
616 11 18.33
617 1 1.67
618 2 3.33
619 1 1.67
620 2 3.33
624 1 1.67
627 1 1.67
628 1 1.67
631 1 1.67
"netstat_total_info_outpackets" [Modified] line 23 of 23 --100%--
```


3.5 sar_r_freemem



```
Tera Term - 192.168.0.5 VT
File Edit Setup Control Window Help
value count occurrence
64449 1 1.79
64933 1 1.79
65290 1 1.79
65296 1 1.79
65382 1 1.79
65546 1 1.79
65693 1 1.79
65696 1 1.79
65702 1 1.79
65711 1 1.79
65737 1 1.79
65776 1 1.79
65779 1 1.79
65781 1 1.79
65783 1 1.79
65787 1 1.79
65788 2 3.57
65789 1 1.79
65793 1 1.79
65794 1 1.79
65801 1 1.79
65802 1 1.79
"sar_r_freemem" 51 lines, 1638 characters
```

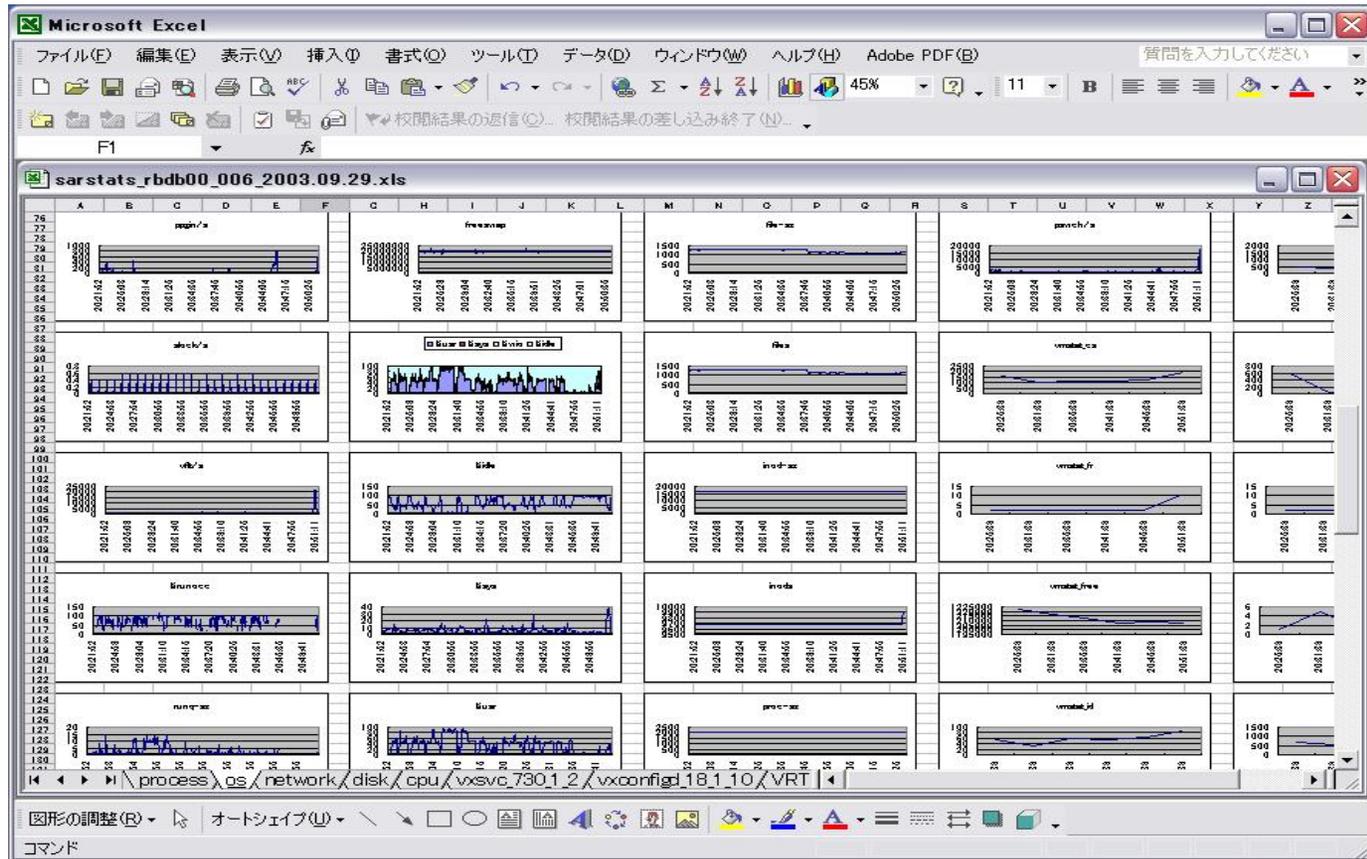
3.6 sar_r_freeswap



```
Tera Term - 192.168.0.5 VT
File Edit Setup Control Window Help
  value    count  occurrence
  2016336      1    1.79
  2020192      1    1.79
  2022374      1    1.79
  2022860      1    1.79
  2022986      1    1.79
  2023875      1    1.79
  2024189      1    1.79
  2026125      1    1.79
  2026573      1    1.79
  2026579      2    3.57
  2026586      1    1.79
  2026611      1    1.79
  2026618      1    1.79
  2026627      3    5.36
  2026634      1    1.79
  2026666      4    7.14
  2026672      1    1.79
  2026678      1    1.79
  2026682      1    1.79
  2026688      2    3.57
  2026698      1    1.79
  2026717      1    1.79
"sar_r_freeswap" 48 lines, 1542 characters
```

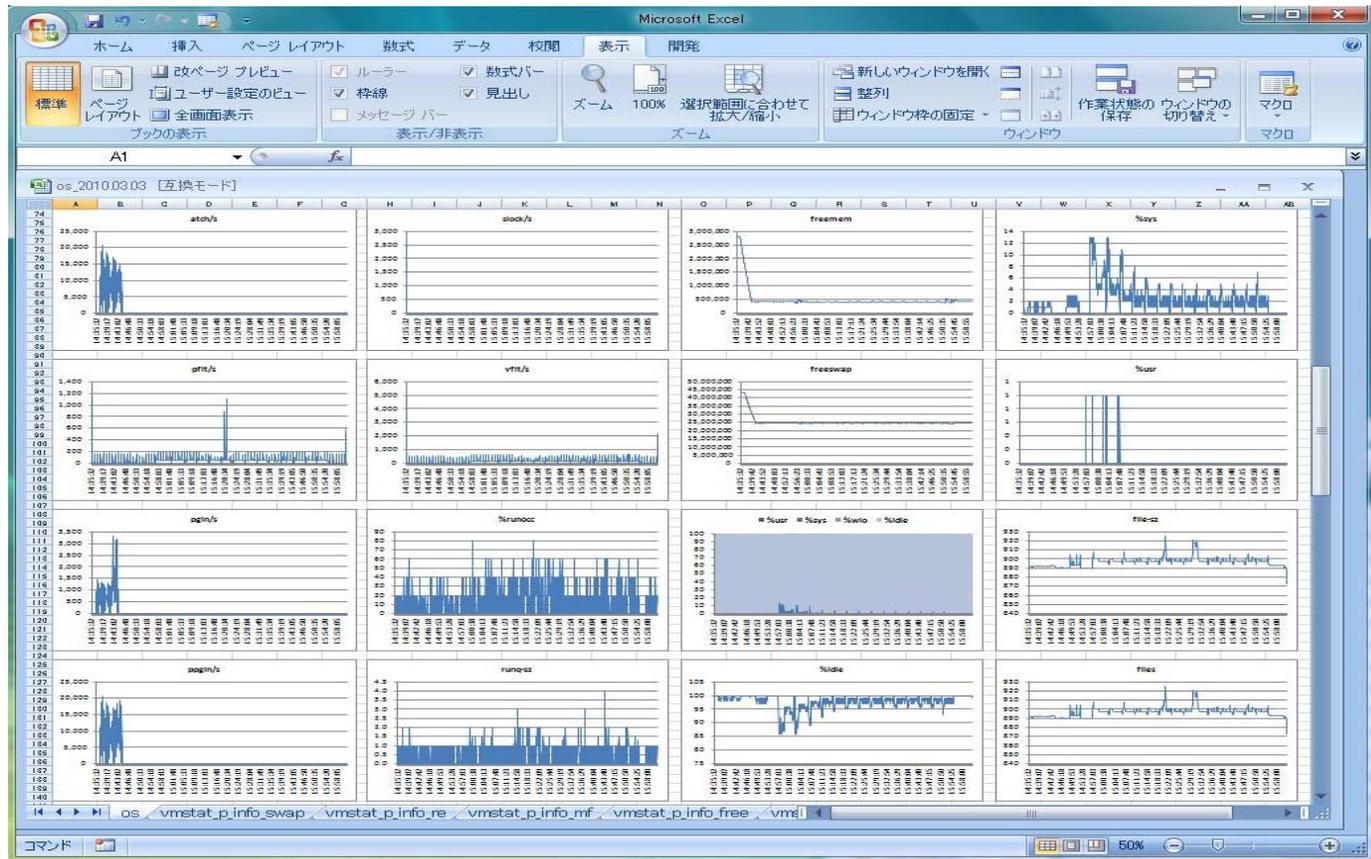
4. OSグラフサンプル

4.1 grapher3.xls(Microsoft Office 2000、XP、2003)



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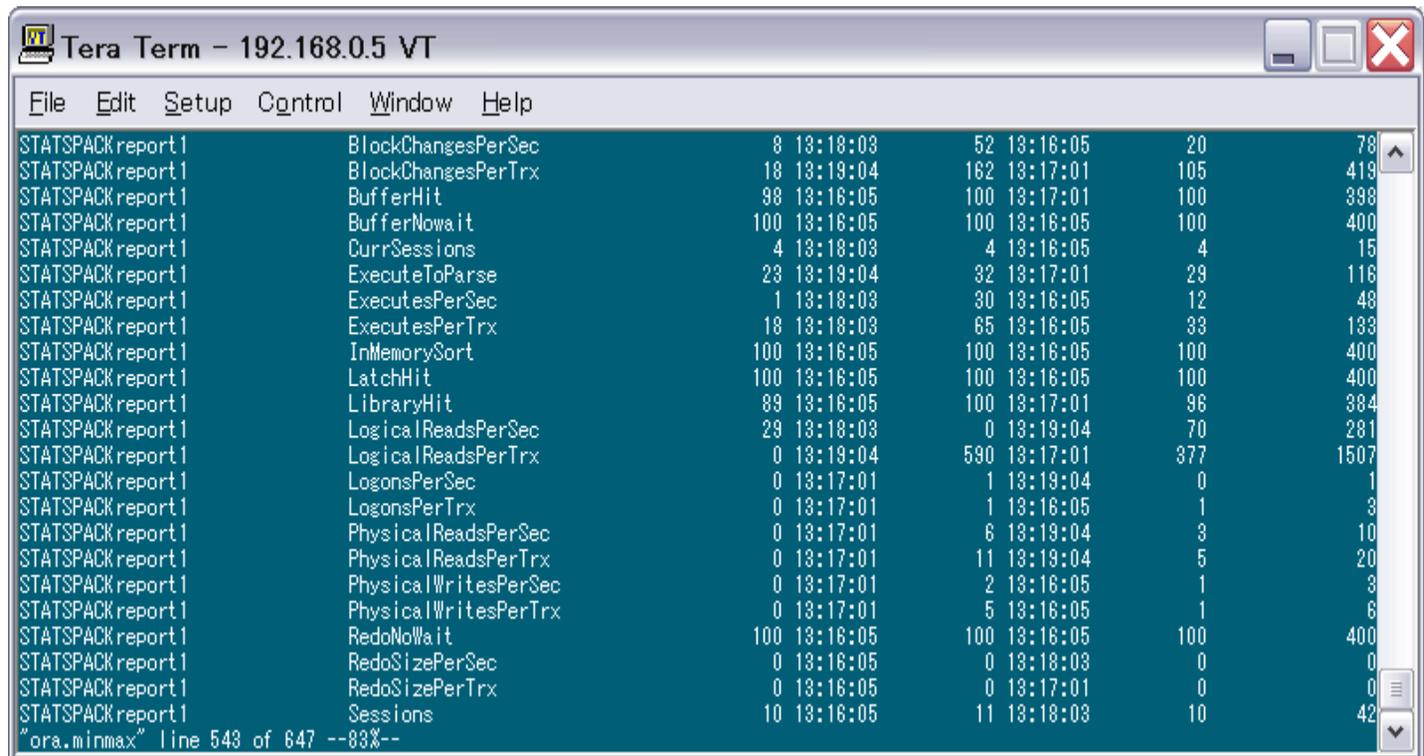
4.2 grapher7.xls(Microsoft Office 2007、2010)



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5. oradoディレクトリ下のファイル

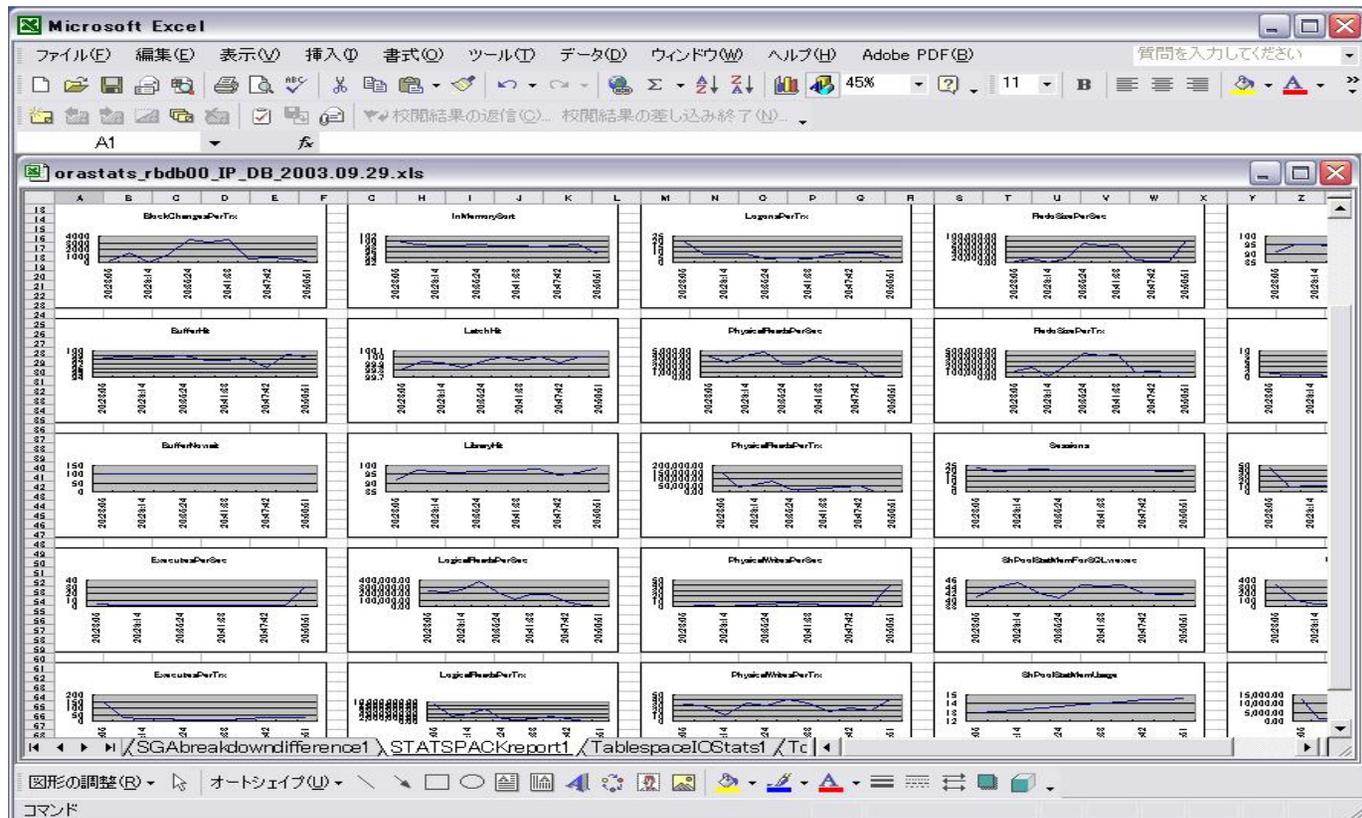
5.1 ora.minmax



Metric	Value	Time 1	Time 2	Value	Time	Value	
STATSPACK report 1	BlockChangesPerSec	8	13:18:03	52	13:16:05	20	78
STATSPACK report 1	BlockChangesPerTrx	18	13:19:04	162	13:17:01	105	419
STATSPACK report 1	BufferHit	98	13:16:05	100	13:17:01	100	398
STATSPACK report 1	BufferNowait	100	13:16:05	100	13:16:05	100	400
STATSPACK report 1	CurrSessions	4	13:18:03	4	13:16:05	4	15
STATSPACK report 1	ExecuteToParse	23	13:19:04	32	13:17:01	29	116
STATSPACK report 1	ExecutesPerSec	1	13:18:03	30	13:16:05	12	48
STATSPACK report 1	ExecutesPerTrx	18	13:18:03	65	13:16:05	33	133
STATSPACK report 1	InMemorySort	100	13:16:05	100	13:16:05	100	400
STATSPACK report 1	LatchHit	100	13:16:05	100	13:16:05	100	400
STATSPACK report 1	LibraryHit	89	13:16:05	100	13:17:01	96	384
STATSPACK report 1	LogicalReadsPerSec	29	13:18:03	0	13:19:04	70	281
STATSPACK report 1	LogicalReadsPerTrx	0	13:19:04	590	13:17:01	377	1507
STATSPACK report 1	LogonsPerSec	0	13:17:01	1	13:19:04	0	1
STATSPACK report 1	LogonsPerTrx	0	13:17:01	1	13:16:05	1	3
STATSPACK report 1	PhysicalReadsPerSec	0	13:17:01	6	13:19:04	3	10
STATSPACK report 1	PhysicalReadsPerTrx	0	13:17:01	11	13:19:04	5	20
STATSPACK report 1	PhysicalWritesPerSec	0	13:17:01	2	13:16:05	1	3
STATSPACK report 1	PhysicalWritesPerTrx	0	13:17:01	5	13:16:05	1	6
STATSPACK report 1	RedoNowait	100	13:16:05	100	13:16:05	100	400
STATSPACK report 1	RedoSizePerSec	0	13:16:05	0	13:18:03	0	0
STATSPACK report 1	RedoSizePerTrx	0	13:16:05	0	13:17:01	0	0
STATSPACK report 1	Sessions	10	13:16:05	11	13:18:03	10	42

"ora.minmax" line 543 of 647 --83%--

5.2 oracleグラフサンプル(grapher3.xls)



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