

The following parameters are displayed on page 10, which is the default display page to which TPS loads. Only those in the first 35 rows by 80 columns are shown as these are legacy, key to all TPS versions. Parameters descriptions are ordered from left to right, top to bottom

LASTPKTR	Date and time stamp when the last packet was received.
LASTPKTW	Date and time stamp when the last packet was written.
LASTBYTR	Date and time stamp when the last byte was received.
LASTBYTW	Date and time stamp when the last byte was written.

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Version	TPS version string
Loop-meas	measured loop-time in milliseconds
Loop-time	demanded loop-time in milliseconds (default 10ms)
INNAME	Input data source name (e.g. Network Client UDP)
INFMT	Input data format (NONE, RAW, ASCII, COMPR'D)
INTYPE	Input data type (UDP, TEST, TCPIP, SERIAL, FILE, APIUB, APIUP)
OUTNAME	Output data sink name (e.g. Network Server TCPIP)
OUTFMT	Output data format (NONE, RAW, ASCII, COMPR'D)
OUTTYPE	Output data type (UDP, TCPIP, SERIAL, FILE, APIUB, APIUP)
Var_Pkt_Length	ON when reading packets of variable length, OFF default for fixed length packets
PKTSYNC	Packet synchronisation pattern, default two bytes 0x1234
PKTLENGHT	Fixed packet length, default 128 bytes including sync pattern PKTSYNC.
NO DATA	Blinking red when no incoming data, green when receiving data.
Pkt-Sele'td	OFF when packet filter has not selected packet for replay, default ON when all packets read with no packet filtering.

Hexadecimal Packet Pump

Eight rows by sixteen columns of incoming byte data in hexadecimal.

STATSTRD	Statistics Time Read: time elapsed in seconds since either TPS started receiving data (any input method including test data) or since a CTRL R statistics reset.
STATSTWR	Statistics Time Write: time elapsed in seconds since either TPS started writing data (any output method) or since a CTRL R statistics reset.
PKTSRD	Packets Read: packets received since TPS started receiving data.
PKTSWR	Packets Written: packets written since TPS started receiving data.
BYTESRD	Bytes Read: bytes received since TPS started receiving data.
BYTESWR	Bytes Written: bytes written since TPS started transmitting data.
LOSTSYNC	Lost Sync Count: a count of the number of sync lost errors since TPS started receiving data.
BITRTRI	Bit Rate Read Instantaneous: the instantaneous incoming bit rate averaged over the last second.
BITRTRA	Bit Rate Read Average: the average incoming bit rate since TPS started receiving data.
BITRTWI	Bit Rate Write Instantaneous: the instantaneous outgoing bit rate averaged over the last second.
BITRTWA	Bit Rate Write Average: the average outgoing bit rate since TPS started writing data.
Test data	TPS internal test data generation status, ON or OFF

The following parameters are plotted at the foot of page 10

PKTRTRDI	Packet Rate Read Instantaneous: the instantaneous incoming data packet rate averaged over the last second.
PKTRTWRI	Packet Rate Write Instantaneous: The instantaneous outgoing packet rate averaged over the last second.
PKTRTRDA	Packet Rate Read Average: the average incoming packet rate since TPS started receiving data.
PKTRTWDA	Packet Rate Write Average: the average outgoing packet rate since TPS started writing data.

The bottom rows 32-35 are standard operational data displayed on every page, an example is shown below.

```
> Sat Oct 20 11:14:04 2018 All client connections closed
Page Operational Data 0010 NO ERRORS. LAST ERROR AT Step 0..3..6..9..c..f
10 Sat Oct 20 10:58:57 OFF ↑
0000.00:21:13 TPS for Windows (C) MST 1991-2018 Sat Oct 20 11:20:09 2018
```

The first of these rows, starting with the right arrow '>', is the message bar. TPS outputs various messages to this view-port during operations.

The following parameters appear on rows 36 onward.

COMnIN	Number of bytes read from serial port n, range 0-65535 (rolls over to zero)
COMnOUT	Number of bytes written to serial port n, range 0-65535 (rolls over to zero)

```
Serial I/O Port Protocols OFF1 1 9600 2 NONE 8 OFF2 9600 2 NONE 8
COM1 off, 9600 baud, 2 stop, no parity, 8 data bits
COM2 off, 9600 baud, 2 stop, no parity, 8 data bits
```

COMPTBWR	Compressed Theoretical Bytes Written: The number of bytes written to disk if compression was not performed.
COMPTBRD	Compressed Theoretical Bytes Read: The number of bytes read from disk after de-compression.
COMPWRI%	Instantaneous Compression Write Percentage: The instantaneous percentage compression when writing to disk. 100% = no compression, 50% = packets compressed to half their raw size. Computed from the last packet written.
COMPRDI%	Instantaneous Compression Read Percentage: The instantaneous percentage de-compression when reading from disk. 100% = no de-compression, 50% = packets de-compressed to double their raw size. Computed from the last packet read.
COMPWRA%	Average Compression Write Percentage: The overall average percentage compression when writing to disk. 100% = no compression, 50% = packets compressed to half their raw size. Computed over all packets written so far.
COMPRDA%	Average Compression Read Percentage: The overall average percentage de-compression when reading from disk. 100% = no de-compression, 50% = packets de-compressed to double their raw size. Computed over all packets read so far.
BBYTESRD	Actual number of bytes read in last transfer
RDPERC	Percentage of serial read cache full.
IDLEWR	Redundant, please ignore
MAXREAD	Maximum bytes read in a single request

RDIOERR Serial Read operation error
code
RDIOERRCT Serial Read operation error count

BBYTESWR Actual number of buffered bytes written in last transfer
WRQNO Current serial write queue number
WRPERC Percentage of write cache full
WRQMAX Maximum serial write queue used
WRQSINUSE Current serial write queue in use
WRQFLGS Serial Write queue flags, 1 bit set per queue used
IDLEWR Incrementing counter whenever TPS is ready to write serial data but no data is
 currently available in the output cache
MAXWRITE Maximum bytes written in a single request
WRIOERR Serial Write operation error code
WRIOERRCT Serial Write operation error counter

FILESIZE File size of that being replayed or the current size of the file being recorded.
BYTESRDF Current number of bytes read from the file
BYTESWRF Current number of bytes written to the file
PERCREAD Percentage of the file currently read
FREEDISK(K) Free disk space in kilobytes - legacy, limits at 4Gb.

TCP Telecommand Parser status line. Shows time-stamped messages reporting parser progress.
TCD Telecommand Dispatcher status line. Shows time-stamped messages reporting parser
 progress.

The eight rows by sixteen columns of telecommand data is shown in hexadecimal below TCD.