

# VII

From SWG

## Contents

- 1 VII: Visitor Instrument Interface
  - 1.1 TCS Simulator
  - 1.2 Simulated VII Startup
  - 1.3 Standard VII Startup
  - 1.4 Restarting the VII
  - 1.5 Using the VII

## VII: Visitor Instrument Interface

Here are some notes on ensuring that the VII is set up for use for TEXES in November, 2013.

The VII is a server built using tcl/tk and ocswish which provides an interface to the TCS.

Here's a DMT link to a document describing the VII:

[http://dmt.gemini.edu/docushare/dsweb/Get/Document-58959/tcs\\_cjm\\_069.pdf](http://dmt.gemini.edu/docushare/dsweb/Get/Document-58959/tcs_cjm_069.pdf)

The VII can connect to either the real TCS or the TCS Simulator, based on the configuration of several environment variables prior to starting the server.

### TCS Simulator

At GN, the TCS simulator is running on a MVME 6100 in rm 323.

- IP: 10.1.2.179 (EPICS\_CA\_ADDR\_LIST)
- Console: telnet 10.1.60.39 2306

### Simulated VII Startup

On hbfcon01, I set up the VII simulator (connected to the TCS simulator)

```

[-----]
[telops@hbfcon01 ~]$ env |grep VIS
[telops@hbfcon01 ~]$ setenv VIS_TCSNAME tcl
[telops@hbfcon01 ~]$ setenv EPICS_CA_ADDR_LIST 10.1.2.179
[telops@hbfcon01 ~]$ vis.sh &
[1] 14021
[telops@hbfcon01 ~]$ Server is connecting to tcl
==> logs will be stored in directory: /usr/tmp/vii/log
[-----]

```

### Standard VII Startup

The VII connected to the real TCS should be run from mkocon01 (though it could run from anywhere .. this is the traditional host).

```
log onto mkocon02 as telops
check if the vis is running with 'ps -eaf | grep vis'
if not, type 'vis.sh &'
```

## Restarting the VII

If the VII is misbehaving (most likely due to ocswish problems) and you wish to restart it:

```
log onto mkocon02 as telops
check if the vii is running with
[telops@mkocon02 ~]$ ps -eaf |grep vis
telops  11452 11140  0 21:37 pts/13   00:00:00 grep vis
telops  27456     1  0 Nov19 ?         00:00:00 /bin/sh /gemsoft/bin/vis.sh
telops  27457 27456  0 Nov19 ?         00:00:33 /gemsoft/opt/ocswish/bin/Linux/ocssh.exe ./vis
Kill the process
[telops@mkocon02 ~]$ kill 27457
Double check that it is stopped with another 'ps -eaf |grep vis'
Finally restart the vii with:
[telops@mkocon02 ~]$ vis.sh &
[1] 11462
[telops@mkocon02 ~]$ ==> logs will be stored in directory: /usr/tmp/vii/log
```

## Using the VII

Clients wishing to connect to the VII, must know the machine running the server and the port. We are using the default port of 7284.

To test the VII server, use the visControl utility:

```
On any workstation, run 'visControl'
Choose File->Connect
Enter Server: hbfcon01.hi.gemini.edu and port: 7284 and press Connect.
If all is well, you'll see confirmation and some connection stats.
Remember to disconnect before exiting as there are limited connections.
```

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