

FTP of JEM-X data to DSRI

The JEM-X PC setup has changed as of 15/1 2004.

Etest3-PC (the left machine) is running the Instrument Station SW under Windows NT as before. The JEM-X data are received in the C:\EGSE\DATA directory.

However, the transfer of data to DSRI via ftp is not possible directly from the Etest3-PC, as this machine is blocked from the outside network.

Instead the ISDC-PC (the right machine) is used for the transfer of data to DSRI. The data directory (C:\EGSE\DATA) is mounted as drive H: on the ISDC-PC under Windows2000.

Procedure:

Open a terminal window on ISDC-PC by 'start' → cmd or clicking the shortcut 'JEM_X drive H' on the desktop. (go to H:, if needed).

The JEM-X data are then listed by the dir command to identify the file(s) for transfer.

Open the ftp to DSRI by: ftp ipf.dsri.dk (login info in logbook) and transfer the file

Restarting the JEM-X PCs

1)

The Instrument Station PC, ETEST3-PC (to the left) running Windows NT.
Log in as jemx (pwd inside the logbook).

Start the Instrument Station software by double-clicking the shortcut 'JEMX Instrument Station' shortcut on the desktop, or by opening a window in directory C:\EGSE and double-clicking the **Isjemx.exe**.

When the JEM-X Instrument Station software starts, go to the menu 'Tools' and select 'Connect to MOC'. If the little square in the lower right-hand corner of the window becomes green all is ok.

2)

The JEM-X office PC, ISDC-PC (to the right) is booting in Windows2000.
Log in as jemx (pwd inside the logbook).

Note on configuration of JEM-X PCs at ISDC

Søren Brandt, Jan 15 2004

ETEST3-PC IP address 129.194.67.107

The ETEST3-PC is the primary station for receiving the real-time telemetry. Do not reboot this machine, unless really needed. Do not install any 'heavy' software. May otherwise be used for simple tasks (including burning CD ROMs) without interfering with Instrument Station software.

Note that the 129.194.67.107 IP address is blocked outside the domain of the Geneva University for security reasons.

Operating system: Windows NT 4.0, service pack 6
(if re-intalling NT, drivers are needed for the Intel graphics and netadapter. These packages are found in the drivers directory or may be download from Intel).

Network identification: ETEST3-PC

Network configuration:

IP: 129.194.67.107

Subnet mask: 255.255.252.0

Gateway: 129.194.64.18

DNS server: 129.194.4.6

Host id: etest3-pc

Domain: unige.ch

The 20 GB disk has 3 NTFS partitions, C: 3075 MB, D: 11562 MB, G: 4958 MB (E: and F: and CD ROM drives). Most extra software should be installed on drive D: to allow space on C: for the Instrument Station data.

The system should be booted with the user-id jemx. Password is provided on the log-book inside cover. The password for the Administrator account is also found in the log-book.

Installed software:

C:\EGSE\ISJEMX.EXE JEM-X instrument station software

The Instrument Station SW must have the following setup:

Select the Setup Menu → Network

Make sure that the 'Connection to MOC' (which in reality is the connection to the ISDC tm server) is: 129.194.67.221, port 7000

Once the connection is established, ensure that the 'JEM-X1 or JEM-X2' filter option is set under 'Connection' → 'Properties'

The IPF data are stored in C:\EGSE\DATA

Nero version 5 CD burning sw

Acrobat PDF reader

Ghost PS viewer

SSH software

Office2000

Explorer net browser

Ftp browser

ISDC-PC IP address 129.194.67.106

The ISDC-PC is the JEM-X general purpose office PC. During unattended operations it serves as the stepping stone for the ftp transfer of Instrument Station data to DSRI via ftp.

Otherwise, this machine may be used for any general purpose. Rebooting is not a problem.

Operating systems: Win2000, service pack 4, Windows NT 4.0, service pack 6, Linux

Network identification: ISDC-PC

Network configuration:

IP: 129.194.67.106

Subnet mask: 255.255.252.0

Gateway: 129.194.64.18

DNS server: 129.194.4.6

Host id: isdc-pc

Domain: unige.ch

Windows2000

For unattended operations, the system should be booted in Windows 2000 with the user-id *jemx*. Password is provided on the log-book inside cover. The password for the Administrator account is also found in the log-book.

The Instrument Station data directory (C:\EGSE\DATA) of the ETEST3-PC is mounted as drive H: for easy access to the instrument station data.

NT

The installation of NT may be used to run the Instrument Station SW, in case of failure of ETEST3-PC (see below). The Instrument Station SW is installed and configured in C:\EGSE

Other issues

The JEM-X print server has the IP address 129.194.67.109

Addresses 129.194.67.105 and 129.194.67.108 are available for connection of laptops.

Shared directories on the ETEST3-PC and ISDC-PC are available via the DSRI workgroup in Windows.

Contingency Plan in case of failure of the ETEST3-PC

Plan A

- 1) Disconnect the ETEST3-PC from the network by physically removing the network cable.
- 2) Boot the ISDC-PC in Windows NT.
- 3) Configure network identification, IP address, etc. of the machine exactly as mentioned above for the ETEST3-PC .
- 4) Reboot the machine in NT, and start the Instrument Station software to connect to the tm server.

Note: do NOT at any time connect two machines with the same IP address to the network.

Plan B

- 1) Disconnect the ETEST3-PC from the network by physically removing the network cable.
- 2) Boot the ISDC-PC in Windows NT.
- 3) Ask the ISDC system administrator to change the configuration of the tm server to accept connections from isdc-pc with IP address 129.194.67.106
- 4) Start the Instrument Station software and connect to the tm server.