

# Minos Control Room Quick Start Guide

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This Quick Start Guide tells how to get the computers and displays in the Control Room started after a power-off. This guide should be printed out and placed in the back of the Control Room manual.

There are six computers in the control room, each running specific operations processes.

minos-evd	Event Display
minos-acnet	Run Control
minos-om	Online Monitoring, CRL, DCS monitoring
minos-rc	Run Control
minos-dcs	DCS monitoring ( Windows )
minos-beamdata2	secondary Beam Data logging

Many of the computers are equipped with multihead graphics cards and spread their display over more than one monitor. Don't let the abundance of monitors intimidate you!

We run CR processes under account 'minos'. Logins with password are allowed only from the console in the Control Room ( no remote logins .) The shifter should know the password. The password can be tested from a terminal window by doing

```
su minos -c whoami
```

## **POWER UP**

Power up the computers in the order listed above ( evd / acnet / om/ r c / dcs / beamdata2 ).

Log into the minos account on each system before powering up the next system.

Check that /afs is mounted on minos-evd before proceeding with the other startups. ( ls /afs/fnal.gov )

On minos-dcs (Windows) log into the numi account, with the web password

You cannot log into beamdata2, which has no console.

## **START PROCESSES**

### **minos-acnet**

#### ACNET console

Double-click the ACNET CONSOLE icon on the right hand screen.

#### Big Green Button (Beam data logging monitor)

Double-click on the desktop icon in the shape of the Minos logo, named "Start BGB".  
The button will open on the left display.

#### JAS Beam Monitoring

Do not start JAS when there is no NUMI beam. The lack of clock signals will confuse the program.  
Wait until the beam is up.

Double-click the desktop Minos Log icon named "Start JAS".  
The button will open on the center display.  
On the Brookhaven National Lab NUMI Acnet Monitor" window, click the "Start Job" button.

### **minos-rc**

#### Near Run Control GUI

Double-click on the desktop icon in the shape of the Minos logo, named "rcNear".  
A small gui window will pop up.

Start an ssh tunnel to ND by clicking the "Start" button in the top half of the user gui.  
Wait several seconds until the connection is established, then start the Run control by clicking  
"Start" button in the bottom part of the user gui

#### Far Run Control GUI

Double-click on the desktop icon in the shape of the Minos logo, named "rcFar".  
A small gui window will pop up.

Start an ssh tunnel to FD by clicking the "Start" button in the top half of the user gui.  
Wait several seconds until the connection is established, then start the Run control by clicking the  
"Start" button in the bottom part of the user gui

## **minos-om**

### CRL/DCS Desktop - left screen

Click the yellow post-it Panel icon to get a post-it for shift notes.  
Change the background color to blue.

### CRL/DCS Desktop - right screen

We use the firefox browser. Start firefox by clicking the globe icon in the panel.  
There are bookmarks in the toolbar for all the standard web pages.  
Open tabs for CRL, Memopad, and Training.  
Right click the control bar -> To Desktop -> All Desktops

### CRL/DCS Desktop - center screen

Open two browsers windows, DCS/Near on the left, DCS/Far on the right.

### CRL/DCS Desktop - left screen

Open each elog in its own tab of a browser.

Run Coordinator

MCR

NUMI

Underground Coordinator

Click the 'Turn Image Load Off' button on each web page if it is present, to reduce the load on minos-om.

### NEAR desktop

Double-click the omNear icon to get the connection gui. Click on the Connect then Start buttons in the gui.

### FAR desktop

Click the omFar icon to get the connection gui. Click on the Connect then Start buttons in the gui.

## **minos-evd**

### evdNearSgate icon on the Desktop

Click the evdNearSgate icon on the Desktop. Use the GUI to start the Tunnel and process.  
When the display opens, click Free Running, then Next.

### evdFar icon on the Desktop

Click the evdFar icon on the Desktop. Use the GUI to start the Tunnel and process.  
When the display opens, click Free Running, then Next.