Operation with EMU-DCS in Green Barrack.

Starting the critical control servers from zero:

1) Machine pcmsad02 console
(if you sit on Unix you can connect to it via:
rdesktop -g 1260x920 pcmsad02 or you can just use the command pcmsad02)

1.1) Log On:
Username: emunice
Password: LVP1pii4

1.2) start >> Run >> startxwin.bat

wait until the small window is established on the screen

1.3) In this window enter the commands:
xhost +
xterm &
xterm &
The above commands display two X-windows on the screen:

1.4) Use one of the X-windows to start the HV control server as follows:
ssh –l hvuser ufcmshv1
user: hvuser
pass: UFdqm_04

cd ~/hvcard/dim
screen slice_w
(it may starts up to 10 minutes)
HW input: Do not forget to turn on the LV power supplies for HV system
Tip:If finally you see any trouble with HV on panels, please do the above commands again)
Note: In principle you may skip 1.2-1.3 and do the 1.4 in an X-terminal of any machine (e.g. emudcs)

1.5) go to folder C:\dcs_stuff (Windows machine pcmsad02)

a) Double click **MARATON.exe**
Wait until the graphical interface of the program is established on the screen
Click "INIT" button and wait until the "Quality" let is ON
If you see one-two popped-up warnings "Server is Busy" click "Retry button"
If you see many (say 10) popped-up warnings "Server is Busy" that means hardware problem:
Kill the program with Task Manager and check if the AC-DC converters are ON,
otherwise call Peter (16-05-37) so that he checks the CANbus, cables et.
b) Double click **CRB.exe**
Wait until the graphical interface of the program is established on the screen
Click "INIT REGULAR" button and wait until the "Quality" let is ON
If you see popped-up warnings "Server is Busy" click "Retry button"
If you see many (say 10) popped-up warnings "Server is Busy" that means hardware problem:
check that PCMB LV Power supplies in GB are ON (consult Peter about that)

Starting other (not critical) control servers from zero:

Machine pcmsad02

go to folder C:\dcs_stuff (Windows machine pcmsad02)

Double click **WEATHER_STATION.exe**
Wait until the graphical interface of the program is established on the screen
Double click **PT100.exe**
Click OK to close all the small windows
Wait until the graphical interface of the program is established on the screen

2) Machine pcmsx5gm01 console

Ask Xiaofeng (16-02-70) to start/check the gas stuff on this machine
Otherwise:

2.1) Log On:
Username: emudcs
Password: LVP1pii4

2.2) go to folder C:\gas
Double click GAS.exe
Click OK to close all the small windows
Wait until the graphical interface of the program is established on the screen

2.3) Ask Valeri Andreev (16-4195) or Xiaofeng (16-0270) Yang to start pt100 Labview stuff:
Otherwise: ask Sergei Morozov (software developer: Serguei.Morozov@cern.ch, 70-90-95)

3) Machine emuslice08

Martin's help is needed to load drivers
The Peripheral Crate Controller based slow control starts automatically.

4) Machine pccms99

Ask Xiaofeng (16-02-70) to start/check the weather station
Otherwise:

4.1) Log On:
Username: emudcs
Password: LVP1pii4

4.2) Start >> All Programs >> WeatherLink 5.4 >> WeatherLink 5.4
You should see the menu in the opened graphical interface: File Setup Reports …..
Click the button located under Setup item of this menu, wait
Click the button located under Help item of this menu

5) Machine pccmsalign01

Ask Vladimir Sknar (16-5142)or Xiaofeng (16-0270) to start the alignment stuff
Otherwise:
5.1) Log On:
Username: sknar
Password:

5.2) go to folder C:\dcs_stuff
Double click ALIGNMENT.exe
Click **OK** to close all the small windows
Click **Retry** to close all the small windows (many times: up to 30 if part of system is powered off)
Wait until the graphical interface of the program is established on the screen

6) Machine ufcmshv1 (see 1.4 above: the machine pcmsad02 section