

# DiFX on Magnus

There are a number of steps required to set up the correlator environment on Magnus. These instructions assume you want to use the installation set up by Cormac.

Note that correlation is done on Magnus, but pipelining is carried out on Zeus. The two machines share a home area and see the same disks.

Do not run the Pipeline on the Magnus head nodes.

## Getting Started

Set up your environment on Magnus for correlating:

```
ssh <user>@magnus.pawsey.org.au
. /home/cormac/.bash_aliases
. /home/cormac/corr.setup
```

Set up your environment on Zeus for pipelining:

```
ssh <user>@zeus.pawsey.org.au
. /home/cormac/bash_aliases
. /home/cormac/pipe.setup
```

You will want to run everything under screen. For shared operations, please use Cormac's [.screenrc](#):

```
cp /home/cormac/.screenrc ~/.screenrc
```

ATNF machines lie behind a firewall which prevents direct ssh. To have archpipe and archatoo behave as expected, add the following to your `~/.ssh/config`, changing `<your_username>` appropriately:

```
Host *.atnf.csiro.au !venice.atnf.csiro.au
  ProxyCommand ssh <your_username>@venice.atnf.csiro.au -W %h:%p
  StrictHostKeyChecking no
  Ciphers=arcfour
  User <your_username>
```

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