

## Introduction

This page describes how to copy experiment data from multiple Mark6 modules for two scenarios:

- Case1: copying to a single module
- Case2: copying onto a set of 4 modules

The copying is done via the 10Gbps ethernet interface of the Mark6 recorders. At PV the following ethernet devices are used for copying:

```
recorder1    eth2    172.16.2.1
recorder2    eth2    172.16.2.2    eth4    172.16.4.2
recorder3    eth2    172.16.2.3    eth4    172.16.4.3
recorder4    eth2    172.16.2.4
```

```
recorder1-----eth2-----recorder2
                        |
                        |
                        eth4
                        |
recorder4-----eth2-----recorder3
```

## Prerequisites

The Mark6 units should be in the state they were in at the time of the observation with the modules installed in the same slots as before, and their disks mounted.

## Copying

1. on the **destination** recorder go to `/home/oper/collect`
2. in case no file `collect._scans.conf` exists create it with the following content

```
[collect_scans]
# module=all to copy to a set of 4 modules
# module={slot} to copy to the module in slot number {slot}
module=all

#recorders is a space limited list of the source recorder IPs
# use:
# 172.16.2.29 for recorder1
# 172.16.4.30 for recorder2
# 172.16.2.28 for recorder3
# 172.16.4.37 for recorder4
recorders=1.2.3.4 5.6.7.8

# scans is a space limited list of scan names as recorded
# on the module (but excluding the vdif extension)
scans=eXXaYY_ZZ_HHH-MMMM eXXaYY_ZZ_HHH-MMMM

# target is the name of the directory on the destination modules
```

```
# that will hold the copied data  
target=collected
```

3. Edit the *collect\_scans.conf* according to the above instructions
4. execute the copying

```
collect_scans.py -c collect_scans.conf -q -v
```