



ISU KLM Meeting November 22

NOAH

Update (1)

- ▶ b2epics addresses assigned on all Pis
- ▶ Not on archiver yet
 - ▶ Can caget the PVs on a computer on b2epics
 - ▶ Need to check with Nakao-san if my method for configuring the assigned IP addresses is appropriate
 - ▶ Maybe ask Seokhee or another expert what could be the problem

Update (2)

- ▶ Script developed to reboot and restart scripts on pis
- ▶ Script runs on klmpc02
- ▶ Checks if reboot is successful and if scripts are running
- ▶ Summarizes errors at the end
 - ▶ Right now, pi10 does not have wifi capabilities for some reason, so we cannot install the necessary packages for the scripts to run

Below is a summary of the errors:

```
pi10 broadcaster error  
pi10 counter error
```

- ▶ Script that can reboot pis one at a time or N at a time is being developed

Update (3)

- ▶ Sometimes, a pi takes a long time (>10 minutes) to reach ssh capabilities after rebooting
 - ▶ Only noticed once we assign an IP address at boot
 - ▶ Still, only 1 channel occasionally
- ▶ This error in /var/log/syslog
 - ▶ Got data interrupt `0x00000002` even though no data operation was in progress
- ▶ The scripts are still running, though. Just no ssh access

To Do

- ▶ Follow up with Nakao-san, Seokhee about archiver and b2epics IP address assignment

Backup

Backup

```
----- Restarting all servers -----  
----- Restarting pi9 -----  
Connection to 172.22.35.236 closed by remote host.  
----- Restart of pi9 complete -----  
  
----- Restarting pi10 -----  
Connection to 172.22.35.237 closed by remote host.  
----- Restart of pi10 complete -----  
  
----- Restarting pi11 -----  
Connection to 172.22.35.238 closed by remote host.  
----- Restart of pi11 complete -----  
  
----- All servers restarted -----  
Wait for 1 minute, please  
00:00:00
```

```
|-----|  
| Checking reboot status |  
|-----|  
  
----- Checking pi9 reboot status -----  
pi9 has been rebooted successfully  
----- Check of pi9 reboot status complete -----  
  
----- Checking pi10 reboot status -----  
pi10 has been rebooted successfully  
----- Check of pi10 reboot status complete -----  
  
----- Checking pi11 reboot status -----  
pi11 has been rebooted successfully  
----- Check of pi11 reboot status complete -----  
  
|-----|  
| Reboot status checked for all servers |  
|-----|
```

```
|-----|  
| Checking script start up status |  
|-----|  
  
----- Checking pi9 script start up status-----  
pi9 broadcaster online  
pi9 counter online  
----- Check of pi9 script startup status complete -----  
  
----- Checking pi10 script start up status-----  
pi10 broadcaster NOT ONLINE  
pi10 counter NOT ONLINE  
----- Check of pi10 script startup status complete -----  
  
----- Checking pi11 script start up status-----  
pi11 broadcaster online  
pi11 counter online  
----- Check of pi11 script startup status complete -----  
  
|-----|  
| Script startup status checked for all servers |  
|-----|
```

Below is a summary of the errors:

pi10 broadcaster error
pi10 counter error