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| **Cornell High Energy Synchrotron Source** |
| **Doc#:** SOP-COMP-004 | **Procedure:** CHESS DAQ Folder Access | **Prepared by:** ZB |
| **Rev.:** 1 | **Revision Date:** 11/10/15 | **Date Effective:**11/10/15 | **Date Expires:**11/10/16 | **Approved by:** ZB |

**Purpose**

To provide access to CHESS DAQ folders on a user computer, CHESS Detector Computer, or CHESS Station computer.

**Materials and Equipment Needed**

1. Computer:
	1. User PC
	2. Detector Computer
	3. CHESS Station Computer
2. Network Connection
	1. CHESS Public (User)
	2. CHESS DAQ (Detector or Station Computer)
3. CLASSE Credentials

**Safety**

1. Safety Issues: none

**Procedure**

1. **User PC**
	1. Connect CHESS Public network cable to User PC.
	2. Open My Computer.
	3. Click “Map Network Drive” in Menu Bar. (**Fig. 1**)
	4. Map CHESS DAQ RAW drive (**Fig. 2**):
		1. Drive: Z:\ or first available.
		2. Folder: \\chesssamba.classe.cornell.edu\raw\current\<beamline>
		3. Reconnect at logon: ✓
		4. Connect using different credentials: ✓
	5. Login (**Fig. 3**):
		1. Username: CLASSE\username
		2. Password: <CLASSE password>
		3. Remember my credentials: ✓
	6. Repeat steps 1.2.1 – 1.3.3 for CHESS AUX if needed.
		1. Substitute \\chesssamba.classe.cornell.edu\aux for step 1.2.4
2. **Detector Computers**
	1. Linux
		1. Connect CHESS DAQ network cable to Detector Computer.
		2. Move to /mnt/ directory:
			1. Open new Terminal.
			2. Type cd /mnt/ to move to the /mnt/ directory.
		3. Mount CHESS DAQ drive:
			1. There should be a folder named creds and a script named mount\_currentdaq in the /mnt/ folder. To automate the mounting process, the CLASSE login credentials are stored in files inside the creds folder (root access required to view or edit).
			2. Type ./mount\_currentdaq <beamline>.
			3. Type cd currentdaq to verify contents.
	2. Windows
		1. Connect CHESS DAQ network cable to Detector Computer.
		2. Open My Computer.
		3. Map CHESS DAQ drive (Fig. 2):
			1. Drive: Z:\ or first available.
			2. Folder: \\chesssamba\daq\current\<beamline>
			3. Reconnect at logon: ✓
			4. Connect using different credentials: ✓
		4. Login:
			1. Username: CLASSE\chess\_<station> (ex: chess\_f2)
			2. Password: <Station Computer CLASSE password>
			3. Remember my credentials: ✓
3. **CHESS Station Computers**
	1. Linux
		1. CHESS Station computers use an automount system to mount CHESS DAQ and RAW.
			1. Located in /mnt/currentdaq and /mnt/raw
			2. Configuration files for the automount are /etc/auto.master and /etc/auto.smb. They reference a credentials file located in the root directory that stores the CLASSE login credentials for that station (root access required to view or edit).
			3. If the DAQ or RAW folders are inaccessible, contact CHESS computer group for support.

**Figures**

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**Figure 1 – Map Network Drive from My Computer**

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**Figure 2 – Map Network Drive Information**

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**Figure3 – CLASSE credentials for DAQ Access**

**References**

None.

**Revision History**

Rev. 1 – Initial document (11/10/15 - ZB)