TEST 5A

Test the functioning of cron jobs for bitpreservation.

- **Goals**
  - Test cronjobs for bitpreservation

- **Prerequisites**
  - None special.

- **Procedure**
  - **Prepare Installation**
    
    ```
    cd prepared_software/
    # VERSION assumes the existence of /home/devel/nas_versions/NetarchiveSuite-$VERSION.zip
    export VERSION=XXXXXXXXX
    export TESTX=TEST5A
    export PORT=807?
    export MAILRECEIVERS=foo@bar.dk
    all_test.sh
    ```

    Check the GUI is available at [http://kb-test-adm-001:$PORT](http://kb-test-adm-001:$PORT).

  - **Run a Harvest**

    Define and run a selective harvest of netarkivet.dk, with the default order template and a once-per-week schedule.

  - **Install Crontabs**

    ```
    scp cronjobs/*.sh devel@kb-test-adm-001.kb.dk:bin
    ssh devel@kb-test-adm-001.kb.dk 'chmod 755 bin/*.sh'
    ssh devel@kb-test-adm-001.kb.dk 'rm Bitpreservation-filestatus.jsp''
    ```

    Create the new crontab:

    ```
    rm -f crontab_tmp;
    echo "*/5 * * * * (source ~/.bashrc; source ~/.bash_profile; /home/devel/bin/ba_mis_name_cron.sh devel test $TESTX $PORT $MAILRECEIVERS )" >> crontab_tmp
    echo "*/5 * * * * (source ~/.bashrc; source ~/.bash_profile; /home/devel/bin/ba_checksum_cron.sh devel test $TESTX $PORT $MAILRECEIVERS )" >> crontab_tmp
    ```

    Install the crontab:
scp crontab_tmp devel@kb-test-adm-001:
ssh devel@kb-test-adm-001 crontab crontab_tmp

**Check Output from Cronjobs**

Wait five minutes for the cronjobs to run and then look at the output:

```
ssh devel@kb-test-adm-001 cat ${TESTX}/ba_cron_checksums.log
ssh devel@kb-test-adm-001 cat ${TESTX}/ba_cron_missing_files.log
```

The output should not show any errors.

Also check the webpage

```
http://kb-test-adm-001.kb.dk:${PORT}/BitPreservation/Bitpreservation-filestatus.jsp
```

The date of last update should correspond to when the cronjobs were last run.

**Disable the Cronjobs**

```
ssh devel@kb-test-adm-001 'rm -f crontab_tmp; touch crontab_tmp; crontab crontab_tmp'
```

**Close Down the Test**

```
cleanup_all_test.sh
```