



Automated Skype notification for emulsion scanning

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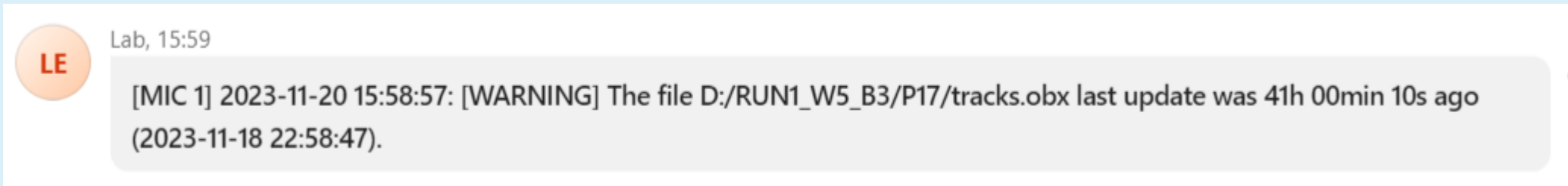
Problem

- ❑ Sometimes PAVICOM shows progress displayed on the green bar even if the data is not being written on file tracks.obx.
- ❑ For example, the afternoon shifter sees 70% progress and thinks that everything is ok. Instead, only 30% of the data has been written and the next day we find an output file with smaller size (we must rescan the plate).



Simple monitor for each microscope

- ❑ I wrote a simple script `status.py` which periodically checks if the `track.obx` file has been modified within the last 30 minutes.
- ❑ If not, it checks if the scanning procedure has stopped correctly (in the PAVICOM logs).
- ❑ If not, it sends a warning to “SND Lab scansioni” on Skype.



- ❑ This notification is allowed between 8 AM and 8 PM.
- ❑ The current status of the scan is also displayed on terminal.



Conclusions

- ❑ Using this script, if PAVICOM stops writing during the afternoon, the shifter will be able to restart the scan and we will not lose 1 day.
- ❑ Instructions:
 - ❑ Start new scan as usual;
 - ❑ Execute on terminal (can be the same as the one used for *check_quality.bat*)
python status.py B P
where B is the brick and P the plate number of the current scan

```
Prompt dei comandi - python status.py 3 18
Microsoft Windows [Versione 10.0.19045.3570]
(c) Microsoft Corporation. Tutti i diritti sono riservati.

C:\Users\sndlhc>python status.py 3 18
2023-11-21 12:55:40: The file D:/RUN1_W5_B3/P18/tracks.obx has been modified within the last 30 minutes.
```

- ❑ To stop the script (should not be needed) press Ctrl+C in terminal window.
- ❑ These simple instructions will be added to the emulsion scan guide (thanks Giulia).