Application Note: Wheel Problem Analysis

Abstract	This documents is an application note
Version	0.1
Status	Draft
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Revision history

Version	Date	Content
0.1	2021/01/05	Initial version

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1 Introduction

Steps to check the behavior of the Taprisiot.

Version to use :

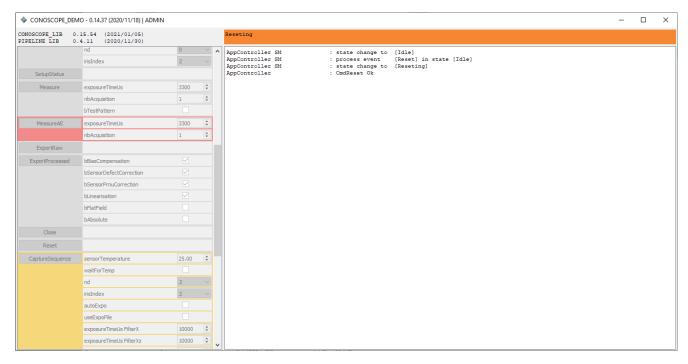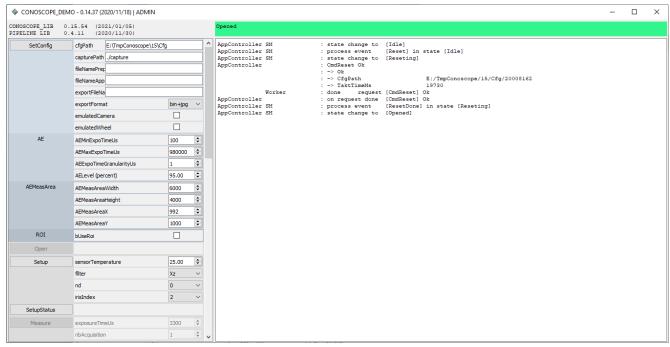|		
Conoscope_Demo	0.14.37	
Conoscope_lib	0.15.54	This lib has been modified to display some information
Pipeline_lib	0.4.11	

2 Application Start up
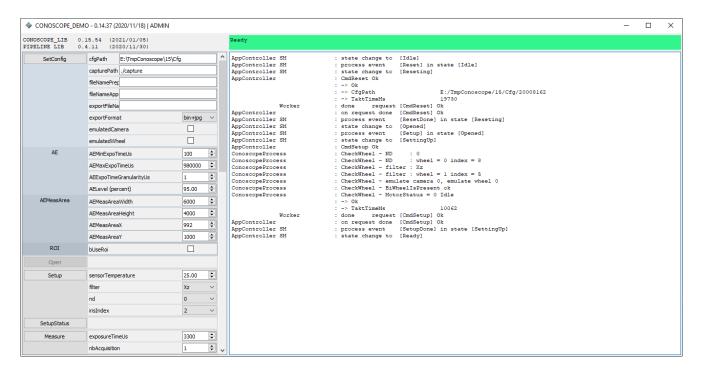
3 Taprisiot Reset

Perform a reset (Reset Button).

The operation may take some time and ends in Opened State.

4 Setup

Configure the Taprisiot with Filter: Xz and ND: 0

New trace are displayed:

```
ConoscopeProcess : CheckWheel - ND : 2
ConoscopeProcess : CheckWheel - ND : wheel = 0 index = 3
ConoscopeProcess : CheckWheel - filter : Ya
ConoscopeProcess : CheckWheel - filter : wheel = 1 index = 7
ConoscopeProcess : CheckWheel - emulate camera 0, emulate wheel 0
ConoscopeProcess : CheckWheel - BiWheelIsPresent ok
ConoscopeProcess : CheckWheel - MotorStatus = 16 Success
```

CheckWheel - BiWheelIsPresent ok
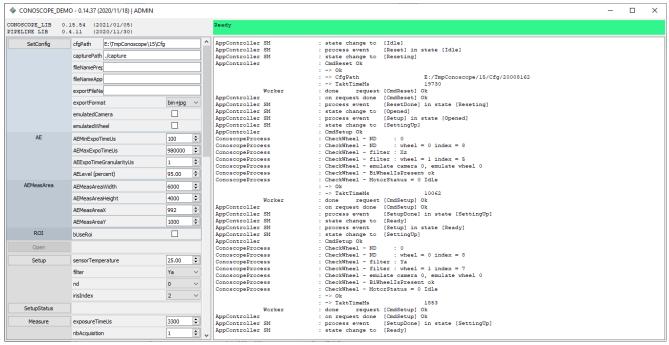Indicates that the communication with the motor is fine
CheckWheel - MotorStatus = 16 Success
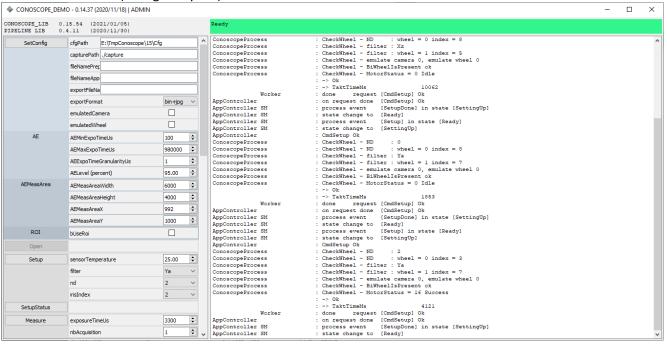Indicates that the motor is in the right state

5 Setup

Perform different setup configuration.

Filter: Ya and ND: 0

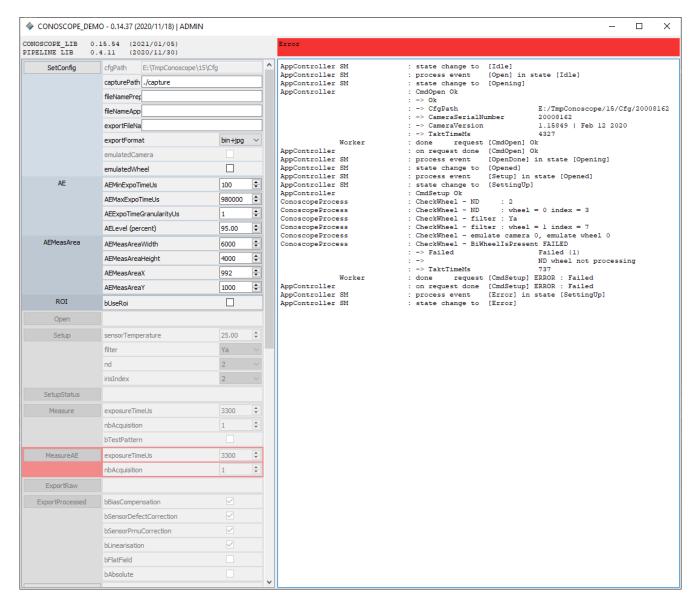Filter: Ya and ND: 2 (change only ND)

6 Setup with error

Emulate an error by unplugging the cable between the camera and the filter module


```
ConoscopeProcess : CheckWheel - ND : 2
ConoscopeProcess : CheckWheel - ND : wheel = 0 index = 3
ConoscopeProcess : CheckWheel - filter : Ya
ConoscopeProcess : CheckWheel - filter : wheel = 1 index = 7
ConoscopeProcess : CheckWheel - emulate camera 0, emulate wheel 0
ConoscopeProcess : CheckWheel - BiWheelIsPresent FAILED
```

BiWheelIsPresent FAILED indicate that the communication is not possible.