MccDaqInterface Class Reference
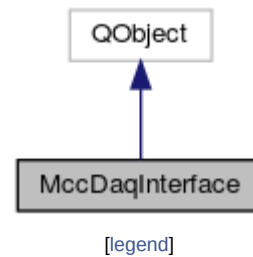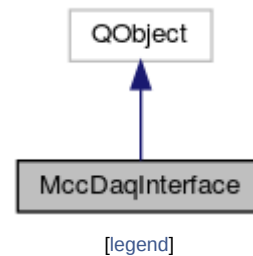
#include <**MccDaqInterface.h**>

Inheritance diagram for MccDaqInterface:

[legend]

Collaboration diagram for MccDaqInterface:

[legend]

Public Slots

void	**beginDataCollection** ()	
void	**testDataCollection** ()	
void	**setDaqButtonText** (QString daqTitleText)	
void	**beginDataCollectionOnChannel** (int ch)	

Signals

void	**finished** ()	
void	**setDaqTitleText** (QString title)	
void	**updateDaqDataBoxSignal** (double data)	

void	**updateRowCount** (int mRowCount)	
void	**updateCol** (int mColCount)	
void	**getActiveState** (int mchannel)	
void	**getChannelType** (int mchannel)	
void	**getGainType** (int mchannel)	
void	**setCurrentChannel** (int mchannel)	
void	**updateEmg** ()	
void	**updateForce** (int channel)	

Public Member Functions

	MccDaqInterface ()	
	~MccDaqInterface ()	
void	**startChannelScan** (QMenu *mmenu)	
void	**setDaqButton** (QPushButton *mdaqButton)	
void	**dataCollectionSetup** ()	
void	**setNumberOfChannels** (long chs)	
void	**setCurrentChannelActiveState** (bool mactiveState)	
void	**setRunningState** (int runningState)	
void	**setPerturbationTrigger** (bool mpertTrigger)	
void	**setRecordBool** (bool mrecordBool)	
void	**setDaqLogFileName** (QString mfileName)	
QMap< int, QVector< double > >	**getVoltageMap** ()	
QMap< int, QVector< double > >	**getForceMap** ()	
void	**clearTmpVoltageMap** ()	

Public Attributes

QMap< int, QVector< double > >	**tmpVoltageMap**

Detailed Description

Definition at line **27** of file **MccDaqInterface.h**.

Constructor & Destructor Documentation

◆ MccDaqInterface()

MccDaqInterface::MccDaqInterface ( )

Definition at line **4** of file **MccDaqInterface.cpp**.

Here is the call graph for this function:

◆ ~MccDaqInterface()

MccDaqInterface::~MccDaqInterface ( )

Definition at line **54** of file **MccDaqInterface.cpp**.
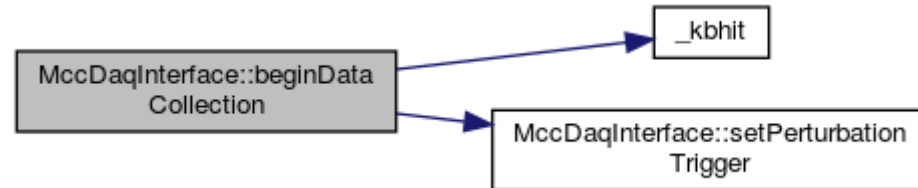
Member Function Documentation

◆ beginDataCollection

void MccDaqInterface::beginDataCollection ( )   `slot`

Definition at line **104** of file **MccDaqInterface.cpp**.

Here is the call graph for this function:

◆ beginDataCollectionOnChannel

void MccDaqInterface::beginDataCollectionOnChannel (int ch)   `slot`

Definition at line **59** of file **MccDaqInterface.cpp**.

◆ clearTmpVoltageMap()

void MccDaqInterface::clearTmpVoltageMap ( )

Definition at line **424** of file **MccDaqInterface.cpp**.

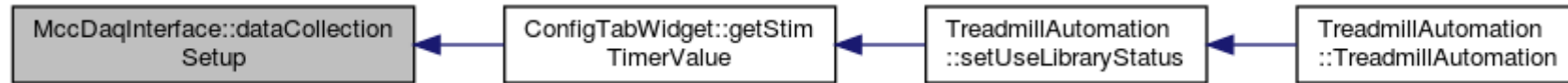Here is the caller graph for this function:

◆ dataCollectionSetup()

void MccDaqInterface::dataCollectionSetup ( )

Definition at line **382** of file **MccDaqInterface.cpp**.

Here is the caller graph for this function:

◆ finished

void MccDaqInterface::finished ( )   `signal`

Definition at line **236** of file **moc_MccDaqInterface.cpp**.

Here is the caller graph for this function:

◆ getActiveState

void MccDaqInterface::getActiveState (int mchannel)   `signal`

Definition at line **270** of file **moc_MccDaqInterface.cpp**.

Here is the caller graph for this function:

◆ getChannelType

void MccDaqInterface::getChannelType (int mchannel)   `signal`

Definition at line **277** of file **moc_MccDaqInterface.cpp**.

◆ getForceMap()

QMap<int,QVector<double> > MccDaqInterface::getForceMap ( )

◆ getGainType

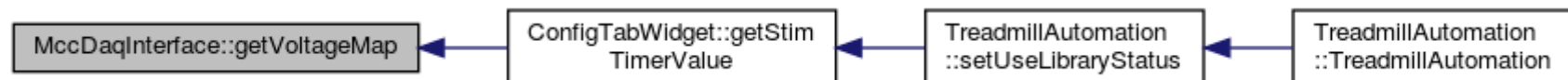void MccDaqInterface::getGainType (int mchannel)   `signal`

Definition at line **284** of file **moc_MccDaqInterface.cpp**.

◆ getVoltageMap()

QMap< int, QVector< double > > MccDaqInterface::getVoltageMap ( )

Definition at line **418** of file **MccDaqInterface.cpp**.

Here is the caller graph for this function:

◆ setCurrentChannel

void MccDaqInterface::setCurrentChannel (int mchannel)   `signal`

Definition at line **291** of file **moc_MccDaqInterface.cpp**.

Here is the caller graph for this function:

| MccDaqInterface::setCurrent Channel | ◄— | MccDaqInterface::beginData Collection |

◆ setCurrentChannelActiveState()

void MccDaqInterface::setCurrentChannelActiveState (bool mactiveState)

Definition at line **393** of file **MccDaqInterface.cpp**.

Here is the caller graph for this function:

| MccDaqInterface::setCurrent ChannelActiveState | ◄— | ConfigTabWidget::getStim TimerValue | ◄— | TreadmillAutomation ::setUseLibraryStatus | ◄— | TreadmillAutomation ::TreadmillAutomation |

◆ setDaqButton()

void MccDaqInterface::setDaqButton (QPushButton * mdaqButton)

◆ setDaqButtonText

void MccDaqInterface::setDaqButtonText (QString daqTitleText)   `slot`

Definition at line **366** of file **MccDaqInterface.cpp**.
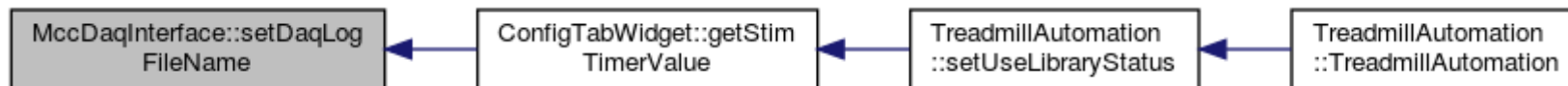
Here is the caller graph for this function:

| MccDaqInterface::setDaqButtonText | ◀— | MccDaqInterface::MccDaqInterface |

◆ setDaqLogFileName()

void MccDaqInterface::setDaqLogFileName (QString mfileName)

Definition at line **413** of file **MccDaqInterface.cpp**.
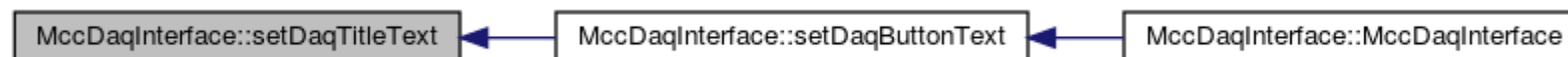
Here is the caller graph for this function:

| MccDaqInterface::setDaqLog FileName | ◀— | ConfigTabWidget::getStim TimerValue | ◀— | TreadmillAutomation ::setUseLibraryStatus | ◀— | TreadmillAutomation ::TreadmillAutomation |

◆ setDaqTitleText

void MccDaqInterface::setDaqTitleText (QString title)   `signal`

Definition at line **242** of file **moc_MccDaqInterface.cpp**.

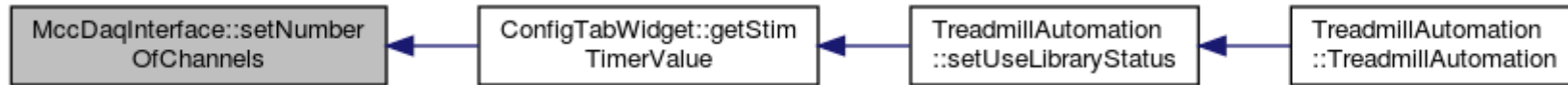Here is the caller graph for this function:

| MccDaqInterface::setDaqTitleText | ◀— | MccDaqInterface::setDaqButtonText | ◀— | MccDaqInterface::MccDaqInterface |

◆ setNumberOfChannels()

void MccDaqInterface::setNumberOfChannels (long chs)

Definition at line **387** of file **MccDaqInterface.cpp**.

Here is the caller graph for this function:

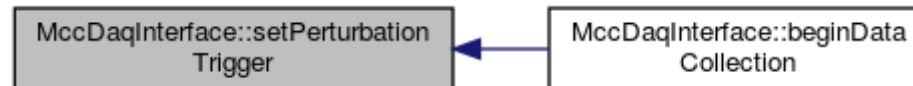## ◆ setPerturbationTrigger()

void MccDaqInterface::setPerturbationTrigger (bool mpertTrigger)

Definition at line **403** of file **MccDaqInterface.cpp**.
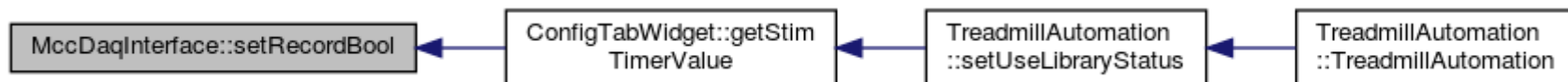
Here is the caller graph for this function:

◆ setRecordBool()

void MccDaqInterface::setRecordBool (bool mrecordBool)

Definition at line **408** of file **MccDaqInterface.cpp**.
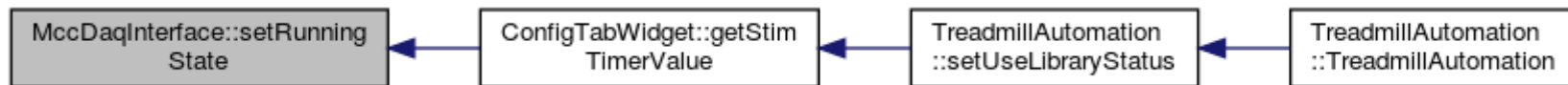
Here is the caller graph for this function:

◆ setRunningState()

void MccDaqInterface::setRunningState (int runningState)

Definition at line **398** of file **MccDaqInterface.cpp**.
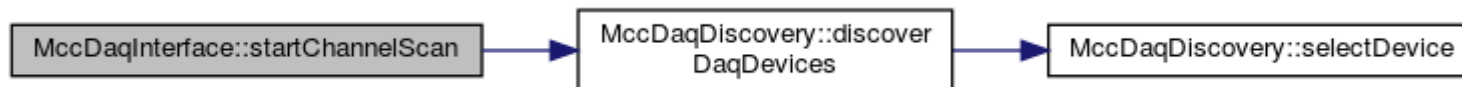
Here is the caller graph for this function:

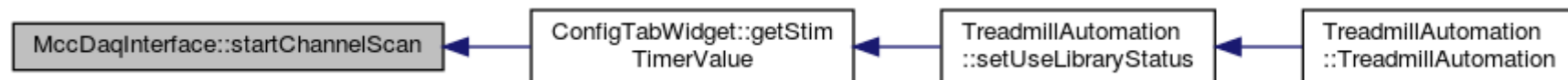# ◆ startChannelScan()

void MccDaqInterface::startChannelScan (QMenu * mmenu)

Definition at line **377** of file **MccDaqInterface.cpp**.

Here is the call graph for this function:

Here is the caller graph for this function:

◆ testDataCollection

void MccDaqInterface::testDataCollection ( )   `slot`

Definition at line **361** of file **MccDaqInterface.cpp**.

◆ updateCol

void MccDaqInterface::updateCol (int mColCount)   `signal`

Definition at line **263** of file **moc_MccDaqInterface.cpp**.

◆ updateDaqDataBoxSignal

void MccDaqInterface::updateDaqDataBoxSignal (double data)   `signal`

Definition at line **249** of file **moc_MccDaqInterface.cpp**.
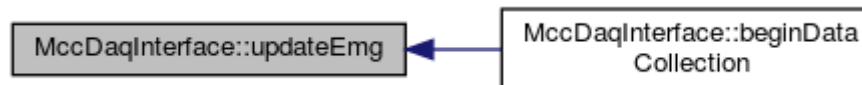
Here is the caller graph for this function:

```
┌──────────────────────┐         ┌──────────────────────┐
│ MccDaqInterface::updateDaq │ ◄─── │ MccDaqInterface::beginData │
│      DataBoxSignal    │         │      Collection       │
└──────────────────────┘         └──────────────────────┘
```

◆ updateEmg

void MccDaqInterface::updateEmg ( )   `signal`

Here is the caller graph for this function:

```
┌──────────────────────┐         ┌──────────────────────┐
│ MccDaqInterface::updateEmg │ ◄─── │ MccDaqInterface::beginData │
│                       │         │      Collection       │
└──────────────────────┘         └──────────────────────┘
```

◆ updateForce

void MccDaqInterface::updateForce (int channel) `signal`

◆ updateRowCount

void MccDaqInterface::updateRowCount (int mRowCount) `signal`

Definition at line **256** of file **moc_MccDaqInterface.cpp**.

Member Data Documentation

◆ tmpVoltageMap

QMap<int,QVector<double> > MccDaqInterface::tmpVoltageMap

Definition at line **45** of file **MccDaqInterface.h**.

The documentation for this class was generated from the following files:

- include/**MccDaqInterface.h**
- build/TreadmillAutomation_autogen/include/**moc_MccDaqInterface.cpp**
- src/**MccDaqInterface.cpp**

Generated by ![doxygen] 1.8.13