## MoteReading

- id
- mgx
- mgy
- accx
- accy
- temp
- ir
- mic
- vl
- seq

+ MoteReading()
+ MoteReading()
+ getId()
+ getMgx()
+ getMgy()
+ getAccy()
+ getAccx()
+ getTemp()
+ getIr()
+ getMic()
+ getVl()
+ getSeq()
+ setId()
+ toString()

## packetHandler

- source
- ringBuffer
- ringIndex
- motes
- mgx
- mgy
- accx
- accy
- temp
- ir
- vl
- mic
- seq
- count
- db
- model

+ packetHandler()
+ ~packetHandler()
+ getNodeList()
+ getReading()
+ connectToDatabase()
+ connected()
+ disconnected()
+ dataReady()

## dataFilter

- rc
- trigger_threshold
- trigger_level
- scaling_factor
- clock
- last_result

+ dataFilter()
+ getFilteredData()

currentReading    mySource                    filter

## DataPlot

- mySource
- currentReading
- d_x
- d_mgx
- d_fmgx
- d_mgy
- d_accx
- d_accy
- d_temp
- d_ir
- d_mic
- d_vl
- id
- running
- d_interval
- d_timerId
- min
- max
- plotMgx
- plotMgy
- plotAccx
- plotAccy
- plotIr
- plotTemp
- plotVl
- plotMic
- auto_scale
- mgxPlot
- mgxFilteredPlot
- mgyPlot
- AccyPlot
- AccxPlot
- tempPlot
- irPlot
- micPlot
- vlPlot
- attached
- filter

+ DataPlot()
+ setId()
+ setSource()
+ setTimerInterval()
+ setRange()
+ setMinRange()
+ newReading()
+ disconnected()
+ detachMgx()
+ detachMgy()
+ detachAccx()
+ detachAccy()
+ detachIr()
+ detachTemp()
+ detachVl()
+ detachMic()
+ detach()
+ autoScale()
+ reRange()
# timerEvent()
- alignScales()