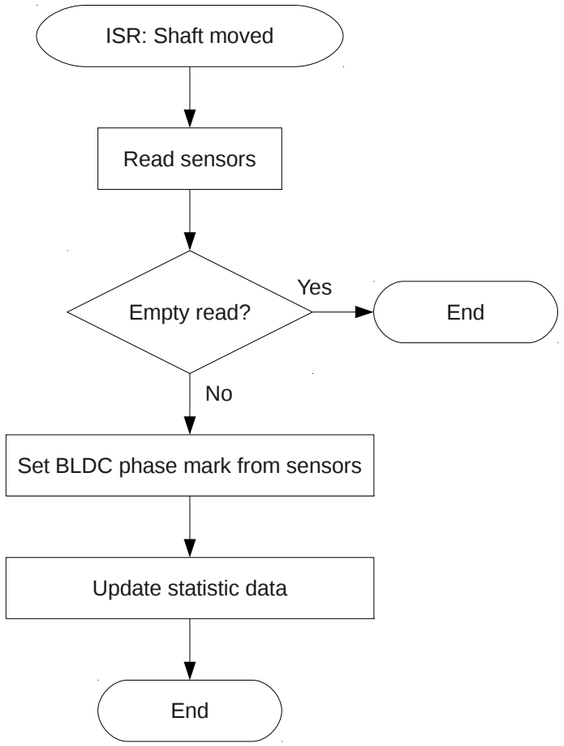
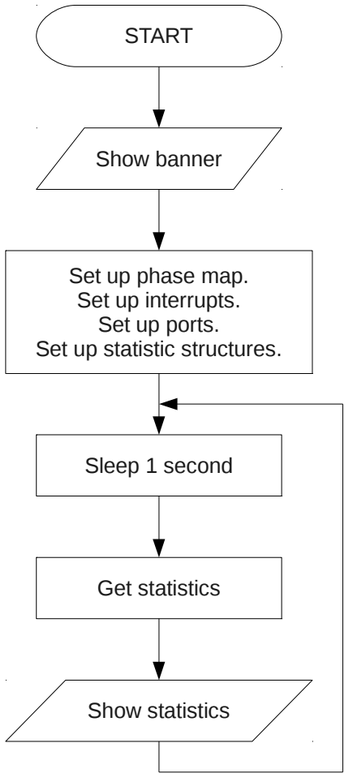
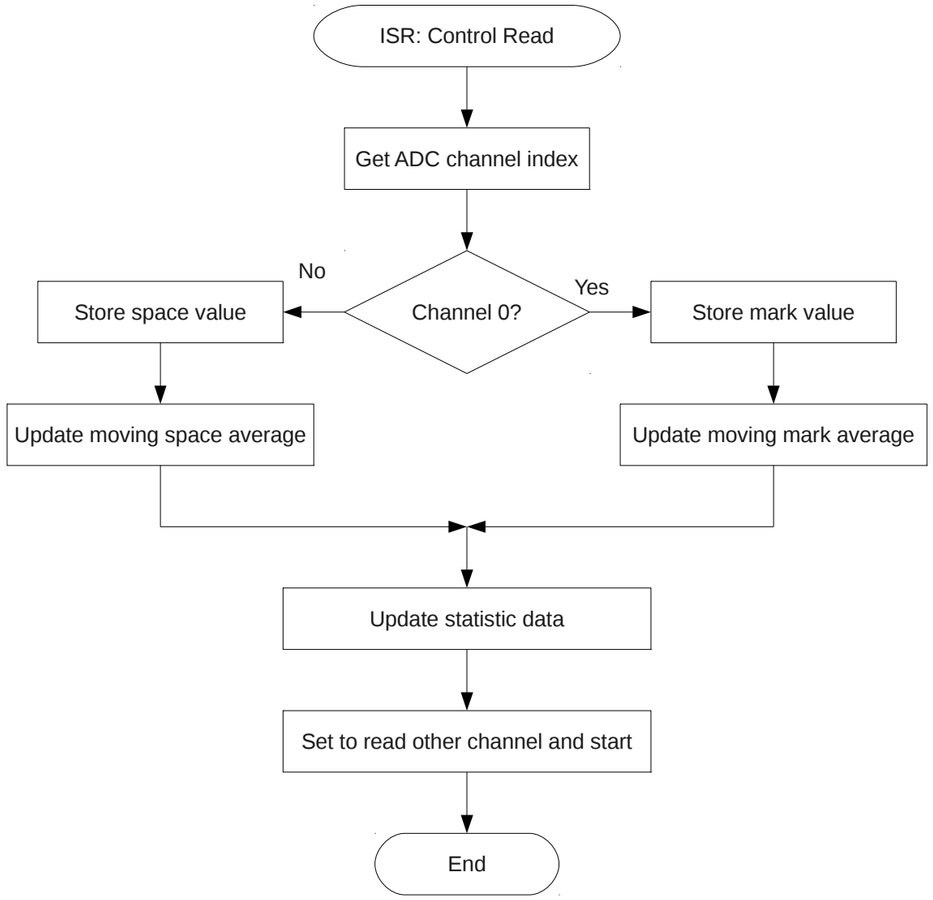
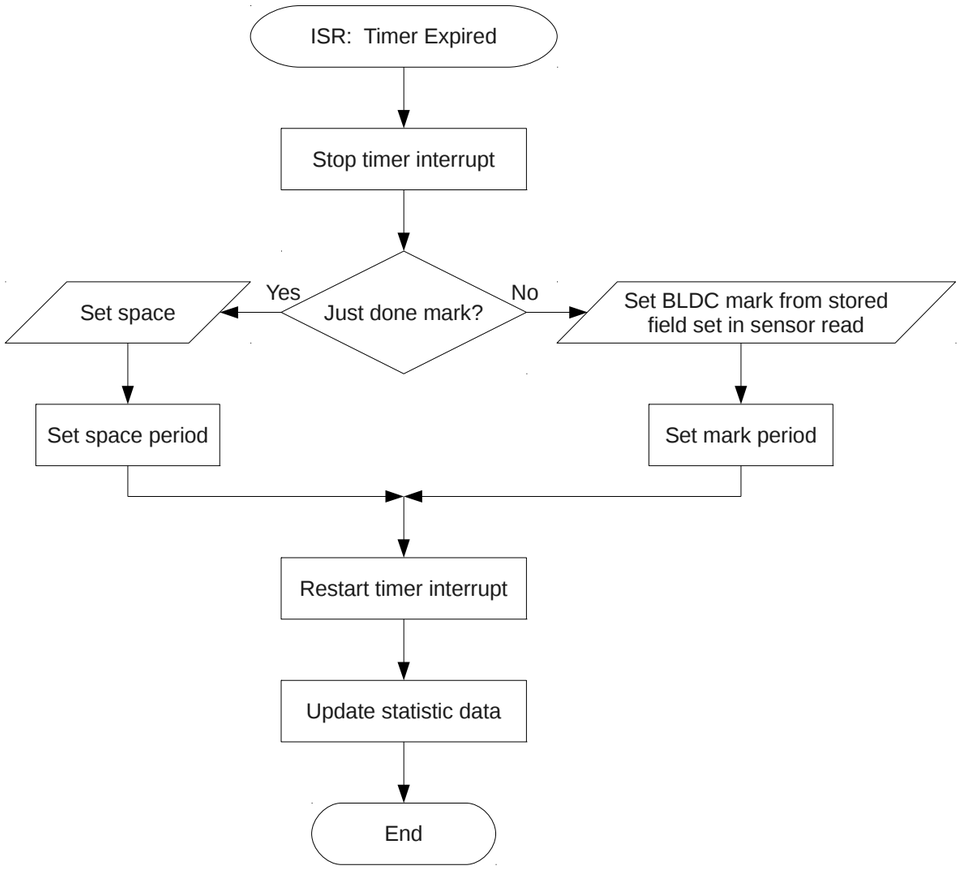
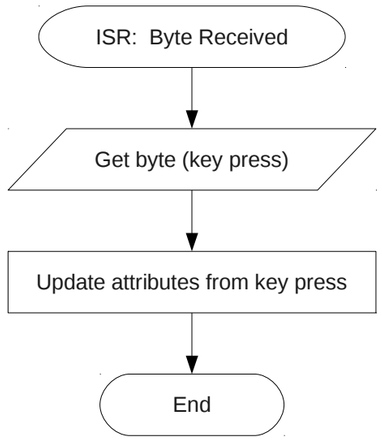

ISR: Shaft moved
Read sensors
Empty read?
Yes
End
No
Set BLDC phase mark from sensors
Update statistic data
End


START
Show banner
Set up phase map.
Set up interrupts.
Set up ports.
Set up statistic structures.
Sleep 1 second
Get statistics
Show statistics


ISR: Control Read
Get ADC channel index
Channel 0?
No
Yes
Store space value
Store mark value
Update moving space average
Update moving mark average
Update statistic data
Set to read other channel and start
End


ISR: Timer Expired
Stop timer interrupt
Just done mark?
Yes
No
Set space
Set BLDC mark from stored
field set in sensor read
Set space period
Set mark period
Restart timer interrupt
Update statistic data
End


ISR: Byte Received
Get byte (key press)
Update attributes from key press
End