**Extracting a collar SD Card.**

After record, insert SD card into computer. Install CYGWIN. Install HxD.

Open HxD and go Tools -> Open Disk. Find the sd card. Might take a couple tries.

Scan to the end of the disk and note the ending block number. There are 512 bytes in a block. So if the ending address in bytes is 2048, that would be ending block address 4. A card should be completely zero’ed before recording, thus the end of recording is signified by zero’s.

Start the Cygwin shell as administrator on a windows machine.

Find the correct device by issuing command

ls /dev

The sd card device is usually sdd or sdc. I usually used the indicator light on my sd card reader upon dd’ing out a device to tell if I’d hit the right drive. There are most likely much more elegant/informed solutions.

If the device were sdc.

dd off the data using the block address found and converted (1 block = 512 bytes) in HxView.

dd if=/dev/sdc of=output.bin count = 4

The above command would read 4 blocks (2048 bytes) from the SD card to output.bin

Now use the Globus Matlab scripts for parsing the binary file.