Meeting Minutes 1/23/15

In attendance: Professor Siderius, Chelsea Throop, Phu Nguyen, Trevor Conant, Saida Akhter

Meeting Agenda:

* Review project proposal slides and presentation
* Review of personal assignments
* Review of software

Item #1

Pictures, pictures, pictures

Powerpoint notes

Slide 1

Add sponser Metron Dr. John Gebbie

Sponser Proposal

Slide 2

Webb Slocum Glider

Move first bullet point up

Increased interest in using underwater gliders for marine mammal research and monitering

NEAR lab has currently implemented off the shelf recording device with two hydrophones. Scratch oceanographic research

Slide 3

Project goals

Higher level

3 pieces

inexpensive off the shelf device that includes user interface

Basics no specs

Commercial audio recorder

DO not mention TASCAM

Broadband signals over 30 days with up to 4 days of acoustic data

Programmed on off feature

Hardware and software updates

Slide 4-7

Hardware – High level

3 major pieces

MUX- Why?

MCU and RTC

Button interface

On off with out physically handling

Slide 8-10

Software

User interface – command line or GUI

Programming- pre-mission

Recording play back and analysis – post-mission

List files, play back audio, display spectrogram

Slide 11

Schedule

Slide 12

Possible challenges

Real Time clock

Scheduling interference with MCU and recordings

programming