# Data Recorder Interface

public interface DataRecorderInterface {

private void data\_record(inputs from Que/Sensor reader);

// A method for each sensor will be created utilizing naming convention xxx\_record(); (i.e.   
// magnetometer\_record(); audio\_record(); etc.) this method will compile the data for each sensor and // package it for sending.

private boolean data\_transfer (inputs from data\_record);

// Compresses and stores data from data\_record and sends package to Base Station Comm

// boolean return value of 1 implies successful transmission, 0 passes info to stack

Stack data\_storage = new Stack();

// In the event that data can’t be sent via the Base Station Comm immediately, (due to comm outage or // other issues) this method will store the data to be sent later. Stack will utilize a first in last out  
// storage mechanism (i.e. most recent data is highest priority).

}