Shepard Test Stand - Bug # 233: Arduino Client Intermittently Sees Negative Values for Timestamp

Status:	Resolved	**Priority:**	Urgent
Author:	Jeremy Wright	**Category:**	
Created:	12/10/2013	**Assignee:**	Jeremy Wright
Updated:	12/10/2013	**Due date:**	

Subject:	Arduino Client Intermittently Sees Negative Values for Timestamp

Description

A -1 is being sent intermittently for the timestamp value, causing the timestamp on the client side to go negative.

History

12/10/2013 10:09 am - Jeremy Wright

- Status changed from New to Resolved

This appears to be an issue with data corruption over the serial port. I've modified the Processing UI so that it will discard samples when it sees a corrupted timestamp. We'll need to have a deeper conversation about data integrity sometime soon. With the Arduino's horsepower, there will be trade-off between ensuring integrity and speed.

I'm going to ask Jones Boys' Rocketry to test this change to make sure it's fixed before I close this issue.