

EE/CpE 423-424
WEEKLY STATUS REPORT

Group #	09	Week ending:	03/28/04	Report #	9
Project Title:	GPS Mass Transit Tracker				
Group Leader:	A. Zimmer	Advisor:	Prof. McNair		
Sponsor/Client:					
Total number of person-hours spent on project by group during past week:				26	
Is project on schedule?		Yes	[x]	No	[]

Weekly status:
<p>Last week we began to interface one of the transceivers with the microcontroller through the UART chip. We have not been successful yet, but continue to work on it this week. Next, we interfaced a Garmin GPS receiver directly with a transceiver to continuously transmit a stream of GPS data. On the other end, a transceiver was connected to a PC running HyperTerminal to receive the stream of data. The test was successful. Finally, the group discussed compression techniques for sending the data. Because the Garmin GPS data stream is all in ASCII, and there is a lot of unnecessary information, we will use the microcontroller to reduce message packet size to approximately 8-10 bytes of information. This will be fairly easy to do and will significantly increase network throughput.</p>

Weekly report is due to Senior Design Coordinator by Noon Monday