

TRH mote at 8 switched to serial

Gordon, Oct 7

btmote8, the bluetooth mote at 8, sampling the 2 TRH's, has been out since Sep 25.

The bluetooth radio is a **BlueRadios** chip, MAC address 00:A0:96:32:00:BC.

I have tried resurrecting it, cleaning the corrosion on the radio board, and testing the radio on 3 different mote boards, using the serial mote cable at station 5. At 5 the power mote is in port 7. I use minicom on port 8 to test btmote8.

The motes come up in serial mode, without pressing the white button twice. Otherwise the mote boards work fine. One can change the ID and update the eeprom. The **btradio** command switches to the interactive interface to the radio, but the radio does not respond to **atsi** commands, even if **++CR** is used. Ctrl-C exits the interactive menu, and the serial data resumes.

Realized that a simple workaround is possible. Station 8 has 8 available serial ports. Reconfigured its XML to read from /dev/ttyS5 instead of btsp: btmote8. TRHs come up and all looks OK. This change is transparent to the processing configuration XML.