Ultrastick UAV 2008 Setup

- **RC Transmitter**
  - RC Receiver
  - Failsafe board
  - PWM
  - RC Transmitter

- **Servo actuator**
  - PWM to PPM Conversion
  - Servo actuator

- **MPC 555**
  - Com port 1
  - Com port 2

- **Air Data modem**

- **Ground Data modem**

- **Mnav**

- **Ground control station**
Picture

- Failsafe board
- PWM to PPM conversion
- MicroNav
- PPM signal line
PPM integration to FS board

- Fail safe board
- RC Receiver
- PPM conversion chip
The Amtel microprocessor chip from MFTech is able to convert 7 channels of PWM servo signal to a single PPM signal where it can be plugged into pin 35 of the Micronav sensor module. This provide the flexibility of using any type of RC transmitter system such as the PCM/SPCM and 2.4Ghz system, not just the existing PPM system, for the Micronav to get the PPM signal from the RC receiver.

The microprocessor chip has been preprogrammed and is available from MFTech: [http://www.mftech.de/index_en.htm](http://www.mftech.de/index_en.htm)