

The ground control station consists of two 72 MHz PCM RC transmitters for redundant control and a laptop computer running MicroPilot Horizon software [FIGURE 3]. Each transmitter communicates with a separate receiver operating at a different channel. The UAV communicates with the laptop computer via a 900 MHz radio modem, allowing real-time monitoring and control of nearly all aspects of flight. Onboard UAV components are discussed in the aircraft systems section.

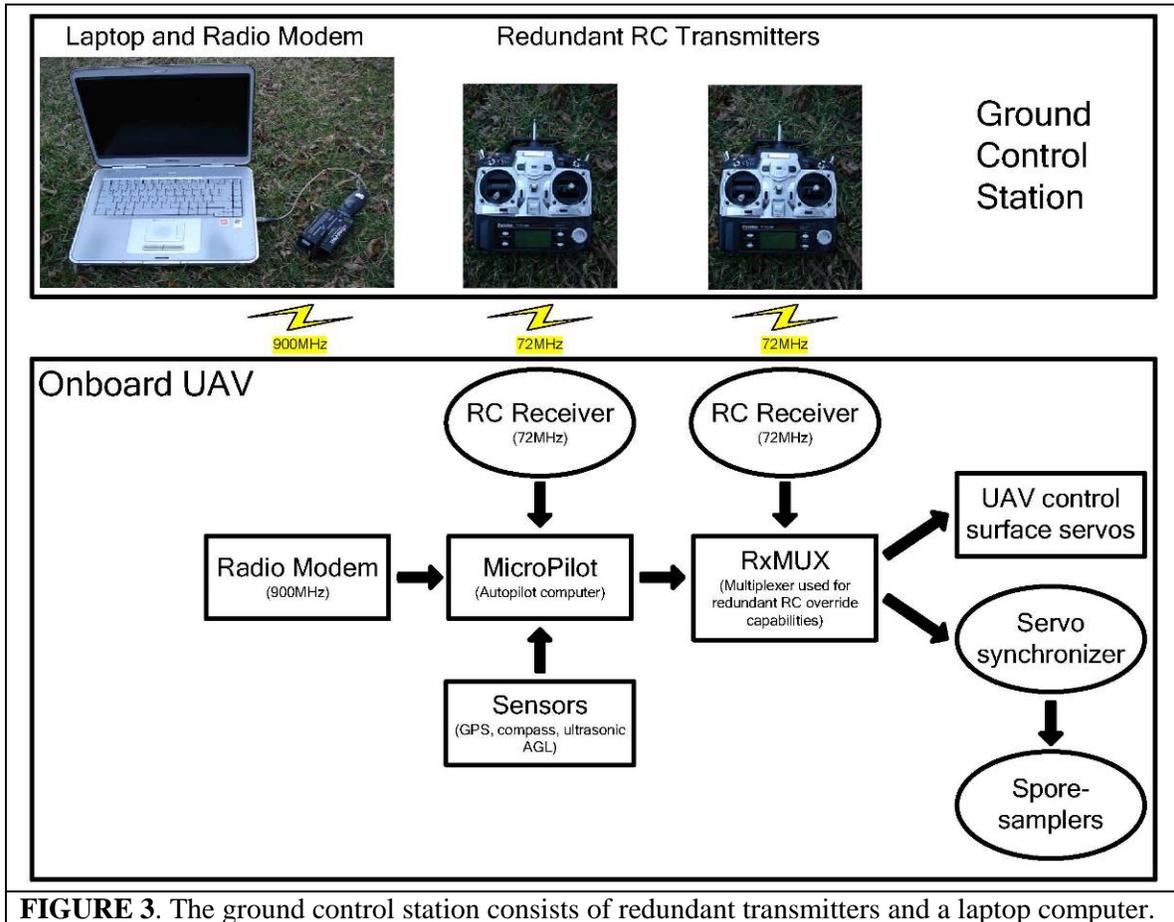


FIGURE 3. The ground control station consists of redundant transmitters and a laptop computer.