

*Description for all:* The distances from observers restricted by Airworthiness Release. The flight area is bounded by software to prevent the UAV flying outside the designated area. Chase aircraft (usually a UH-1) is used at times depending on the flight test being performed. Stand-off distances are ~300' behind and to the side of the UAV. Ground based observers are located at the operating station, in the ATC Control Tower, and at the far end of the field. Observers are in constant radio contact with the test director and operator via (b) (3), (b) (7)(C) U.S.C. § Mhz radio link. The observers are responsible for knowing planned flight pattern, observing for unpredicted anomalies in the flight and notifying the test team. Observers are responsible for notifying test team of unexpected aircraft in the vicinity, and unexpected ground personnel in the operating area. Onboard cameras vary from flight to flight, but generally include one pilotage nose mounted camera used for shooting approaches, as well as a FLIR & Day TV camera side-mounted on a Turret.