

LAUNCH & RECOVERY: Quarter-Scale Piper Cub UAS

Summary: The Quarter-Scale Piper Cub UAS described here has landing gear, taking off and landing like a conventional aircraft. During takeoff and landing, it is controlled by the Pilot-in-Command using the Control Console. Control of the UAS is under manual radio control.

Takeoff:

Takeoff is a conventional takeoff, into the wind, under radio control by the Pilot-in-Command (PIC). The UAS will fly a left hand pattern leaving the launch area as it climbs to the altitude for that particular flight.

Recovery:

Recovery is conventional descent and left hand procedure turns as the UAS descends to landing pattern altitude. It will fly final approach into the wind with touchdown and taxi; all are under radio control by the PIC.

Launch & Recovery Area:

The Quarter-Scale Piper Cub UAS will be launched and recovered from a mowed grass field that runs E-W in the center of a farm in Menlo, GA (the Area of Operation). The farm that comprises the area of operations is approximately 2 sq. mi. of grass fields and flat, useable land with no occupied structures. The area of operations for this flight is part of this area and comprises approximately 0.5 sq. mi. A recent aerial photo of the launch and recovery site is shown below.



Launch and Recovery site (top of frame is looking NW)

Another aerial view is shown below. This photo includes the area of operations, showing the launch and recovery site and its relation to the nearest community of Menlo, Georgia.



Area of Operations showing Launch and Recovery Site inside Rectangle

Filename: COA Appl 1165_LAUNCH AND RECOVERY-1.doc

(b) (6)

C.O.A. Draft #1165

Updated: 1 July 2009