Dakota UAS Visual Detection Capability

For the purposes of this COA, the air vehicle will be operated within the visual range of the external pilot. This visual range may vary from day to day depending on atmospheric conditions, and is established during the day’s first sortie. Indicators are placed on the ground station’s map display by the internal pilot to determine the maximum range for the day’s operations. The wings of the Dakota UAS have been painted with bright yellow flashes, and portions left bare aluminum, for greater visibility. The forward looking camera has been removed for the planned operations, but could be reinstalled if deemed necessary by the FAA. This camera has a 10nm range, and the video stream can be viewed with goggles worn by the external pilot.