

Status of the Upcoming 2013 Airborne Data Collection for Colorado River Corridor

The contract for the airborne collection and data processing has been finalized at a cost of \$433,256 (\$453,918 with overhead). This contract covers the cost of the airborne data collection of four-band imagery at 15-20-cm resolution and three panchromatic stereo images (looking forward, nadir, and backwards) for the entire river corridor. This cost also covers orthorectification of the four-band imagery and the production of a digital surface model (ellipsoid height images) of the corridor. GCMRC will support the airborne collection by placing over 150 ground control panels throughout the corridor (picked up one week after the overflight) and by operating 38 GPS base stations on the canyon rims such that there are at least two stations operating within 30 km of each day's airborne collection. For this support, we have contracted to obtain additional GPS receivers and operations personnel. The total cost for all GPS base-station operations and calibration is \$30,000. We are establishing 13 new base station locations during this collection to increase station density which also increases positional and vertical accuracies of the airborne data. The collection will commence Saturday, May 25th and will last no longer than 5 days under clear sky conditions. If weather causes collection delays, the flight contractor will deploy an additional aircraft at no additional cost (as in 2009) so that more territory can be collected within our daily flight window.