

## GROUND CONTROL SURVEY REPORT

ACA recovered 16 NAD83(2011) published NGS monuments throughout the project area to be used as set control locations during each lift. Before the collection started we covered the NGS points and shot them with a RTK unit to verify the published coordinate values. During each lift we set 2 Leica GS14 base stations within 25 miles of the lift recording 1 second static. The 16 NGS point values were used as the coordinates values for the base stations during the trajectory processing. After each mission was calibrated we then checked the mission to mission adjustment comparing horizontal and vertical offsets. Once all the mission to mission adjustments were finished we used the points Dewberry supplied to verify the vertical offset between the point cloud and the ground points. A final vertical adjustment was applied to overall point cloud after this assessment.

ACA Osceola Control Points SPS: OSCOLA		GThomas J. McDonald	1-12-16 1-13-16	M157/23
AK7134	G16146 RESET Pmon w/ brass disc	ORANGE CO. GEODETIC INFORMATION SYSTEM OPEN		
AK7298	Not found		Not found searched for AK7298, AK7336, AF7663, AJ6687 Behind locked gates off of Hwy 523 & Boy Scout Camp Rd	
AK7111	FIR in box marked K0B1 1991 OPEN			
AB5503	Fmon 6x6 GPS 95-064 OPEN	brass disc	DJ8307 FIR in box OPEN	L687 2007
AB5498	Pmon GPS 95-051 OPEN		AF6134 Fmon 2x2 w/ brass disc US COAST & GEODETIC SURVEY stamped COON 1936	
DL6642	FIR in box Q733 2009 OPEN		AF6121 Pmon w/ brass disc US COAST & GEODETIC SURVEY stamped 3197 1960 leaning slightly BENCHMARK	
AB5482	Pmon 3/4" rod bent over		OPEN	
AK6933	FIR in box FLGPS 44 AZ MK 1999 OPEN		AF7643 FIR in box OPEN	K113 1991
AK6935	FIR in box marked 1-13-16	FLGPS 53 AZ MK 1989		
AB5478	Pmon w/ brass disc	stamped 95-061A		
CW6769	Pmon BRICK 1960 GEODETIC SURVEY	AZ MARK US COAST leaning westwardly		
AF7103	Pmon w/ brass disc OPEN	FLORIDA DEPT NATURAL RESOURCES OSCI 1983		
AF6097	Pmon w/ brass disc Jackson 1936 OPEN	U.S. Coast & Geodetic Survey		

2016/01/13

Figure 1: Ground Control Field Notes