DAS
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Flight Mission Data

Project	**USACE Hurricane IVAN Damage Assessment**
Project Location	**Baldwin County, Alabama**
Customer	**Andrew J. Bruzewicz, Director,** Remote Sensing / GIS Center US Army Cold Regions Research and Engineering Lab (CRREL) 72 Lyme Road Hanover, NH 03755-1290 (603 646-4372 Email: Andrew.J.Bruzewicz@erdc.usace.army.mil
BAE Systems ADR Contact Person(s)	**Mark Safran** Senior Business Development Manager BAE SYSTEMS ADR 124 Gaither Drive, Suite 100 Mt. Laurel, NJ, 08054 856-866-9700 215-962-7209 (cell) msafran@adrinc.com www.adr.na.baesystems.com **Joe Bodick** **Senior Project Manager, CP, ASPRS** BAE SYSTEMS ADR 124 Gaither Drive, Suite 100 Mt. Laurel, NJ, 08054 (856) 866-9700 Tel (856) 866-7800 Fax
Sensor Type	Leica ADS40 (30027)
Focal Length	62.77 mm
Number of Square Miles / Acreage	Tiles (4,000' X 4,00")
Date Flown	24 September 2004
Time Data Acquired (local)	09:30 AM to 14:30 PM local
Map Scale	1:4800 (1"=400') NMAS
Data Acquisition / Image Processing Company	Digital Aerial Solutions, LLC
Address / Telephone	8409 Laurel Fair Circle, Suite 100 Tampa, Florida 33610 813.628.0788 office
Airport Mission Flown	H L Sonny Callahan Airport (4R4), Fairhope, Alabama
NGS Point / Station Location	This Mark is at Fairhope Airport (4R4)

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	Airport, Alabama, Ground Base GPS Station Point (PID: BG4175) Lat. 030 28 00.75174 (N) Long. 087 52 38.59433 (W)
Aircraft Platform	1980 Cessna 421C Golden Eagle
Airborne IMU / GPS	YES
Type Mount	Leica PAV-30
Ground Base GPS Station (Differential)	Leica System 500
Mission Planning	ASCOT / DeLorme XMap
Recording Interval (EPOCH Rate)	2-Hz
Elevation Mask (degrees)	Set to 10 degrees
Sensor Integration Time	3 ms
Meteorological / Weather Data	Clear to Partly Cloudy (clouds in last line)
Flight Altitude	9,450 ft. AGL
Max. / Target / Min. Ground Speed (Knots)	194 / 175 / 162 knots
Swath Width (miles)	2.2 miles
Spatial Resolution	30 cm / 12-inch GSD (Pixel Resolution)
Spectral Resolution (bands collected)	RGB, RG & NIR, Fwd and Aft PAN (A&B)
Ground Control (number points)	None
GPS Satellite Observations (number)	8 to 9
PDOP	1.8
No. Flight Lines Collected Successfully	18 lines
Flight Line Direction	East - West
Shortest Flight Line Length	20.14 km (12.48 miles)
Longest Flight Line Length	50.311 km (31.2 miles)
Total flight Line Distance	TBD
Sidelap (Percentage)	20%
Number of Lifts	One (1)
Sun Angle	30 degrees +
DEM	None
Imagery Delivery Media	HDD / DVD
Deliverables	ADS40 Geo-Referenced Planar Rectified Digital Imagery
Format / Dynamic Range	GeoTiff / 8-bits per band

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