DAS
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Flight Mission Data

Project	**USACE Hurricane IVAN Damage Assessment**
Project Location	**Ft. Walton Beach, Florida**
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,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	325 Square Miles
Date Flown	19 September 2004
Time Data Acquired (local)	09:30 AM to 13:30 AM local
Map Scale	1:4800 (1"=400') NMAS
Data Acquisition / Image Processing Co.	Digital Aerial Solutions, LLC
Address / Telephone	8409 Laurel Fair Circle, Suite 100 Tampa, Florida 33610 813.628.0788 office
Airport Mission Flown	Destin-Fort Walton Beach Airport Destin, Florida, USA FAA Identifier: DTS / Lat/Long: 30-24-00.220N / 086-28-17.318W

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	30-24.00367N / 086-28.28863W 30.4000611 / -86.4714772 (estimated) Elevation: 23 ft. / 7.0 m (surveyed)
NGS Point / Station Location	DESTPORT (PID: BG4869) 030 23 43.52788 (N) 086 28 04.90364 (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
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)	7 to 9
PDOP	1.9 to 2.2
No. Flight Lines Collected Successfully	22 Lines
Flight Line Direction	North - South
Shortest Flight Line Length	9.964 km / 6.2 mile
Longest Flight Line Length	22.447 km / 14.0 miles
Total flight Line Distance	500.828 km / 310.7 mile
Sidelap (Percentage)	20%
Number of Lifts	One (1)
Sun Angle	30 degrees +
DEM	None
Imagery Delivery Media	HDD
Deliverables	ADS40 Geo-Referenced Planar Rectified Digital Imagery
Format / Dynamic Range	GeoTiff / 8-bits per band

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