



Quality Assurance/Quality Control (QA/QC) and Additional Deliverables for Los Angeles Region Imagery Acquisition Consortium (LAR-IAC3)

Dewberry & Davis Services Operations, Inc.

July 28, 2011



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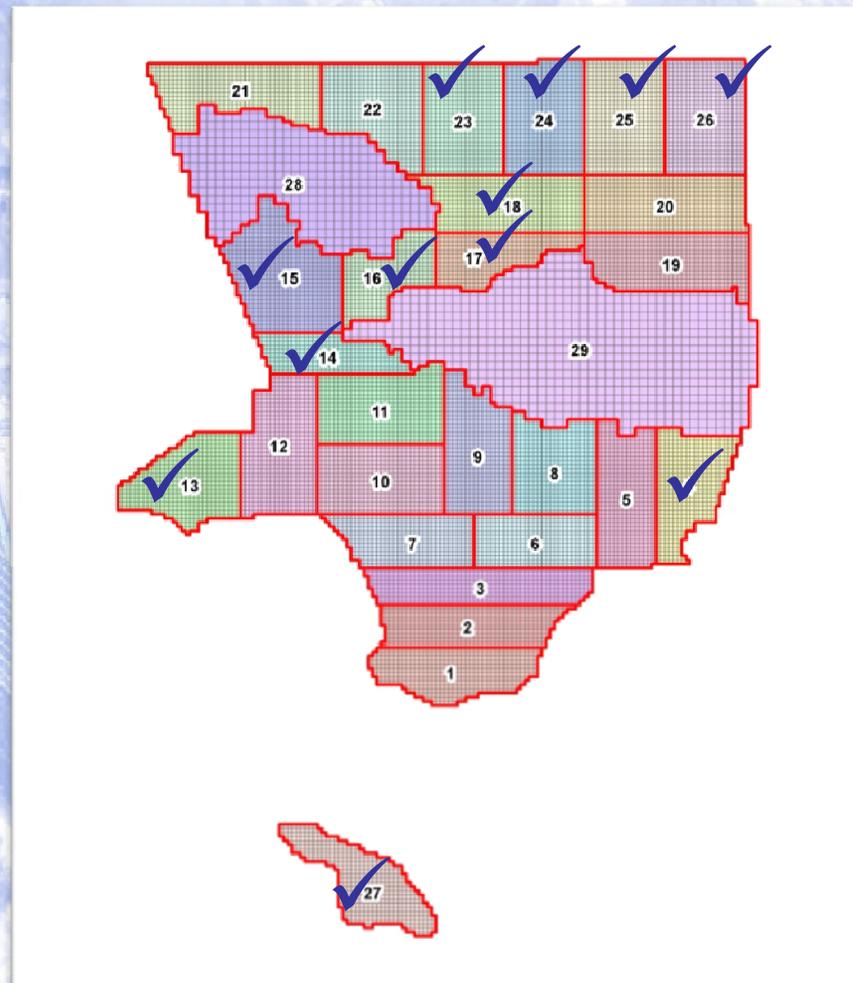
Dewberry Tasks to be Completed

1. QA/QC Management Tasks
 2. QA/QC of Aerial Triangulation (AT) process/reports
 3. QA/QC of 4 inch pixel digital orthophotos (urban areas)
 4. QA/QC of 1 ft pixel digital orthophotos (national forests)
 5. QA/QC of updated breaklines/DTMs
 6. QA/QC of oblique aerial digital images
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7. Full delivery of countywide & SLDS datasets
 8. Production of additional data products (re-sampled, JPEG 2000, SDE or FGDB for SLDS)
 9. Mosaic generation (MrSID and ECW)
 10. Assistance with production management, optional items



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29 Aerial Triangulation (AT) Blocks



These are the 29 AT blocks that must pass Dewberry's QA/QC before production of digital orthophotos can begin.

✓ These are the twelve AT blocks that have been accepted to date by Dewberry.

AT blocks 1, 2, 5 and 12 are currently in-house at Dewberry for review

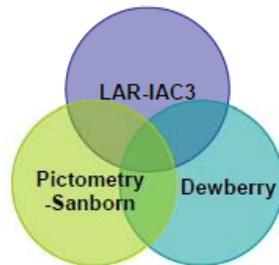


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Quality Plan



Quality Plan for the
Los Angeles Region
Imagery Acquisition Consortium 3
(LAR-IAC3) Project



Version 3.2
May 3, 2011

Acceptance Criteria for Digital Orthophotos:

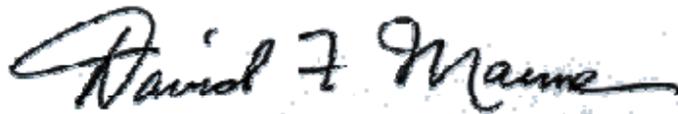
- ❖ Completeness and Aesthetics
- ❖ 1' and 4" GSD
- ❖ Aerotriangulation (AT)
- ❖ Ground Control
- ❖ Digital Surface Model
- ❖ QA/QC Checkpoints



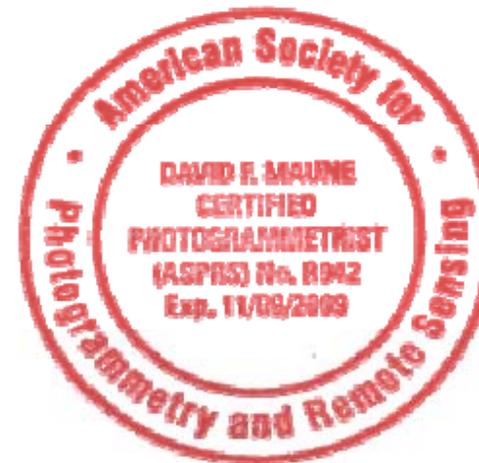
LAR-IAC2 Orthophoto Accuracy Testing; Will Retest for LAR-IAC3 (oblique images also)

Criteria for 4-inch GSD Imagery	Acceptance Criteria	Tested
RMSE _x (acceptance criteria 30)	1.00 ft	0.722 ft
RMSE _y (acceptance criteria 30)	1.00 ft	0.518 ft
RMSE _r (acceptance criteria 30)	1.41 ft	0.888 ft
Accuracy _r (acceptance criteria 31)	2.50 ft	1.537 ft
Aerial Triangulation Block(s) used	N/A	15
Number of QA/QC checkpoints used	N/A	203

Tested 1.537 feet horizontal accuracy at 95% confidence level.

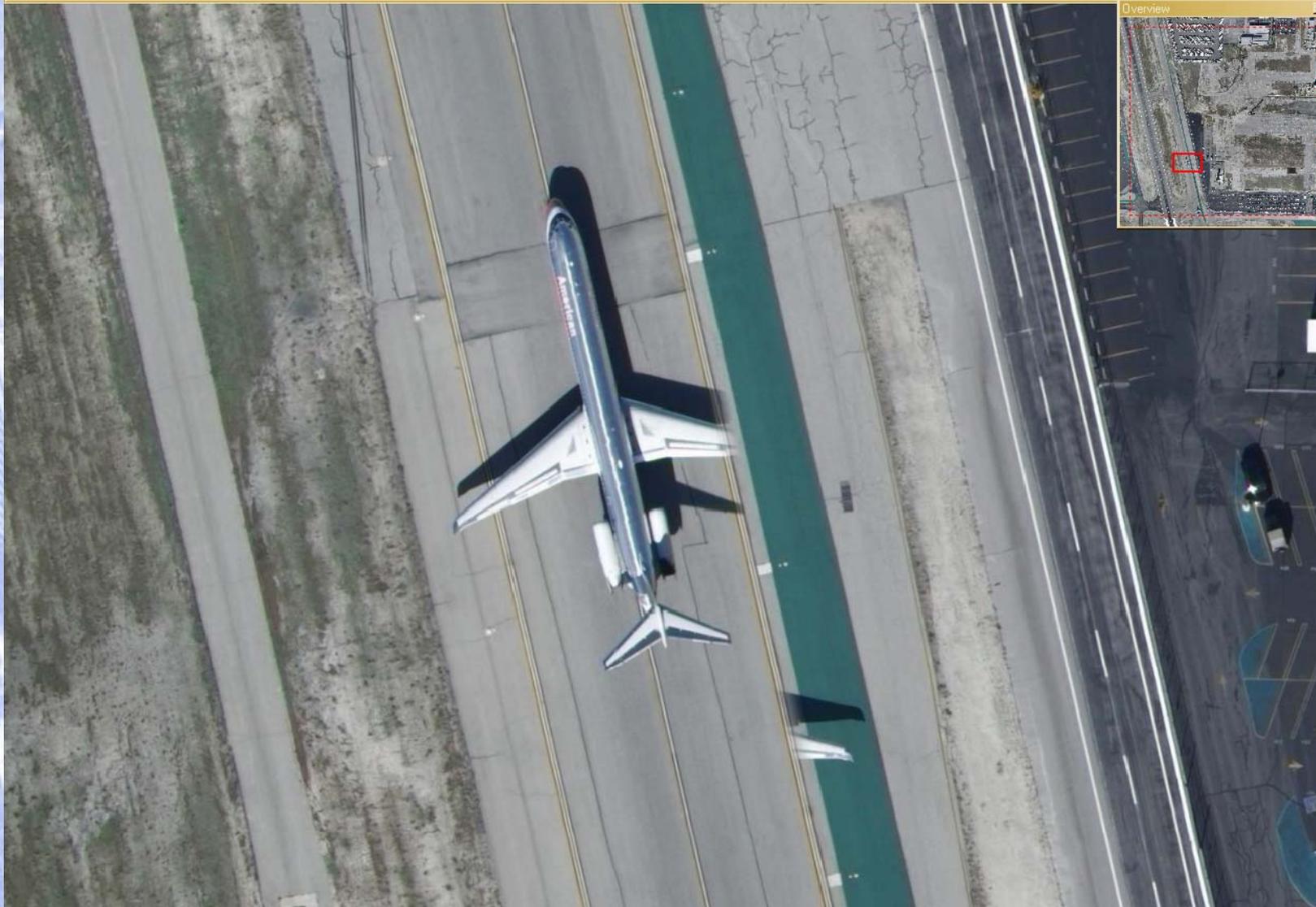


David F. Maune, Ph.D., PS, GS, CP
Project Manager



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Fails “Governor’s Test”



Questions?



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