

# OrthoImagery QA/QC Report

**Project Name:** Knoxville\_TN\_2013

**Date Received:** 5/22/2013

**Reviewer:** Nan Aldridge

**Contractor:** Photo Science, Inc.

**State(s):** Tennessee

**Date Review Completed:** 6/6/2013

**Contract Type:** NGA/Partner

**Flight Date:** 2/24/2013 - 3/8/2013

**Point of Contact:** Charlie Hickman, Liaison

**POC Phone#:** 614-430-7768

**POC E-mail:** chickman@usgs.gov

**Projection:** UTM

**Datum:** NAD83

**Image Info:** GeoTIFF

**Zone:** 17

**Planar Units:** Meters

**Radiometry:** 3 Band, RGB, 24 bit

-----**Review Time**-----

<b>Hours:</b> 2	<b>Minutes:</b> 30	<b>Square Miles:</b> 1069
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**Pixel Size:** 30 cm

**Tile Size:** 5000x5000 pixels

**Applicable NGA Urban Area:** 100 %

**Number of Tiles:** 1225

**Project Size:** 85.6

**Metadata:** Project and Tile level

**Horizontal Accuracy:** The overall RMSE<sub>x</sub> was measured and computed to be 0.28 meters, the overall RMSE<sub>y</sub> was measured and computed to be 0.395 meters and the horizontal accuracy at the 95% confidence level was computed to be 0.839 meters.

**Root Mean Squared Error (RMSE):** 0.324

**Relative Horizontal Accuracy and Edge Alignment:** All tiles were inspected for alignment issues. No significant misalignment issues were found along tile borders. Tile interiors were inspected for anomalies which are noted in an error file.

**Error File:** An error shape file highlighting all noted errors is not included.

**File Naming Convention:** 17SKV262987.tif and .tfw

**Quadrangle Information:** 16 **complete quads**, 23 **partial quads**

**Camera Information:** Zeiss/Intergraph Digital Frame camera (DMC)

**Area of Interest:** Knoxville, Tennessee

**Viewing Software:** Global Mapper version 13.2

**Viewing Scale:** 1:2000

## Bounding Coordinates:

**WEST LONGITUDE** = - 84.40562215 ° W

**NORTH LATITUDE** = 36.14753168 ° N

**EAST LONGITUDE** = - 83.60579358 ° W

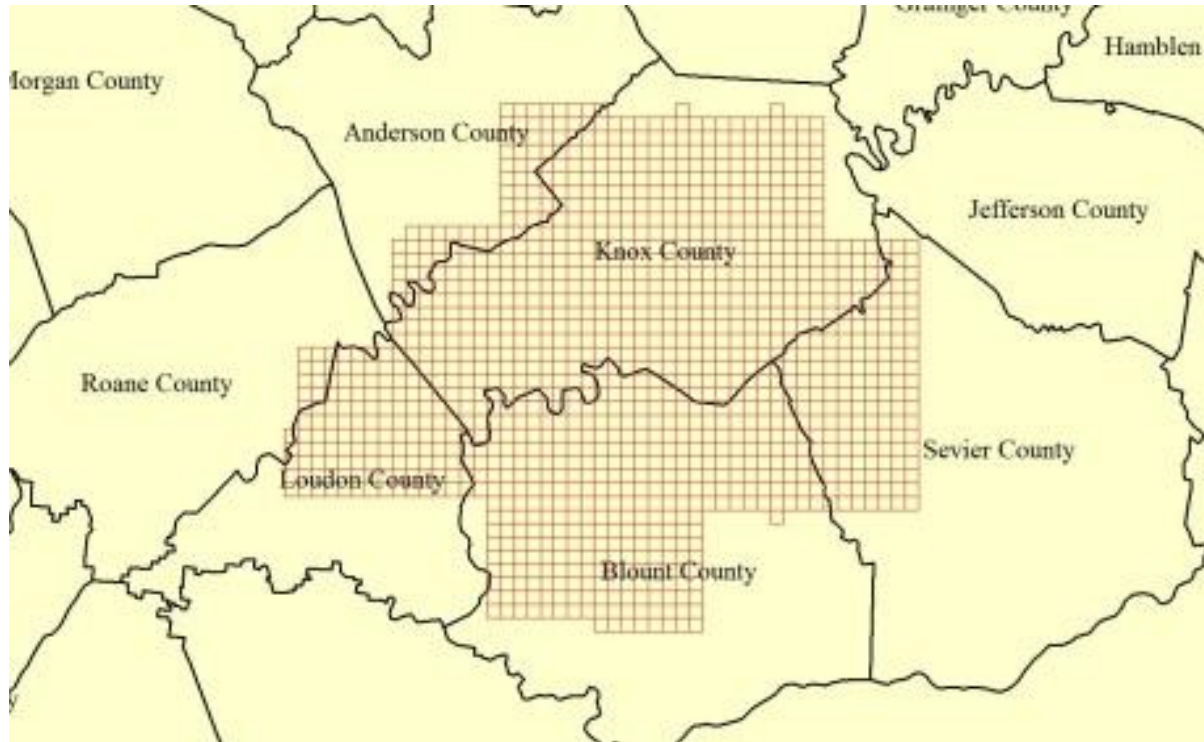
**SOUTH LATITUDE** = 35.60130337 ° N

**Restrictions:** None.

**General Observations:** The imagery covers Knoxville, Tennessee. The imagery is partly in Anderson, Knox, Sevier, Blount, Loudon, and Roane counties in Tennessee. The imagery is in the Knoxville area of the 133 Cities Program. No errors are being reported. The bounding coordinates from the Global Mapper metadata are used in this report.

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County:



Quadrangles:



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NGA:

