

## 1-Project Description

<b>Project Name</b>	Virtual Amarna Museum
<b>Name of monument, survey area, or object</b>	NA
<b>Monument/Object Number</b>	37607_C
<b>Monument/Object Description</b>	Part 3 of 3
<b>Survey Location</b>	Amarna, Egypt
<b>Survey Date(s)</b>	28-Feb-2009
<b>Survey Conditions</b>	Indoors
<b>Scanner Details</b>	Konica Minolta VIVID 9i; mm; Serial No: 1001198
<b>Company/Operator Name</b>	Center for Advanced Spatial Technologies, Katie Simon
<b>Control data collected?</b>	No
<b>Turntable used?</b>	Not recorded
<b>RGB data capture. IF Yes, provide details.</b>	Yes. The VIVID 9i uses internal RGB capture. A three point lighting system was used to illuminate the object from the top and from both sides; this minimized shadows on the object. Each light in the system had 1-3 white light (5000k) flicker free fluorescent bulbs. A 2/2/2 bulb configuration was used throughout the scanning process.
<b>Estimated Data Resolution</b>	0.392
<b>Total Number of Scans in Project</b>	10
<b>Description of final datasets for archive</b>	Original scans, registered dataset, premesh dataset, mesh dataset, decimated mesh dataset
<b>Planimetric map of scan coverage areas</b>	No
<b>Additional project notes</b>	NA
<b>Images from survey</b>	None Available

\* All Project Information is REQUIRED.

## 2-Scan Metadata

*Scan Filename	Scan Transformation Matrix	Matrix Applied to Scans?	* Name of monument/object area	* Survey Date	Number of Points in Scan	Additional Scan Notes	* Scanner Technology	Data Resolution	Lense or FOV Details (Triangulation scans only)
37607_C_01	37607_C_mtrx_01	Yes	37607_C	28-Feb-2009	37657	NA	Triangulation	0.38796	Mid
37607_C_02	37607_C_mtrx_02	Yes	37607_C	28-Feb-2009	23859	NA	Triangulation	0.3868	Mid
37607_C_03	37607_C_mtrx_03	Yes	37607_C	28-Feb-2009	29692	NA	Triangulation	0.387363	Mid
37607_C_04	37607_C_mtrx_04	Yes	37607_C	28-Feb-2009	27242	NA	Triangulation	0.383039	Mid
37607_C_05	37607_C_mtrx_05	Yes	37607_C	28-Feb-2009	30485	NA	Triangulation	0.383552	Mid
37607_C_06	37607_C_mtrx_06	Yes	37607_C	28-Feb-2009	35926	NA	Triangulation	0.386491	Mid
37607_C_07	37607_C_mtrx_07	Yes	37607_C	28-Feb-2009	19679	NA	Triangulation	0.379117	Mid
37607_C_08	37607_C_mtrx_08	Yes	37607_C	28-Feb-2009	26603	NA	Triangulation	0.38851	Mid
37607_C_09	37607_C_mtrx_09	Yes	37607_C	28-Feb-2009	33731	NA	Triangulation	0.382926	Mid
37607_C_10	37607_C_mtrx_10	Yes	37607_C	28-Feb-2009	14733	NA	Triangulation	0.376446	Mid

### 3-Registration Metadata

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
37607_C_GR.txt	0.064	276866
* All Registration Information is REQUIRED.		

#### 4-Mesh Metadata

##### Pre-Meshing Metadata

<b>Name of Pre-Mesh Dataset</b>	37607_C_GRE.txt	
<b>Number of Points in File</b>		203919
<b>Overlap Reduction</b>	Y	
<b>Smoothing</b>	N	
<b>Subsampling</b>	N	
<b>Color Editions</b>	N	
<b>Point Deletion Summary</b>	Overlap reduction was computed in Polyworks software. Following overlap reduction, floating data points were also deleted. Data remnants from overlap reduction were also deleted as necessary.	

##### Polygonal Mesh Metadata:

<b>Name of Mesh Dataset</b>	37607_C_hi.obj	
<b>Holes Filled</b>	Y	
<b>Smoothing</b>	Y	
<b>Color Editions</b>	N	
<b>Healing/despiking</b>	Y	
<b>Total Triangle Count (post editing, predecimation)</b>		305870
<b>RGB Color Included</b>	Y	
<b>Data Reduction</b>	N	
<b>Coordinate System Adjustment</b>	Y	
<b>CS Adjustment Matrix</b>	Cannot export from software	
<b>Additional processing notes</b>	NA	

##### Decimated Polygonal Mesh Metadata:

<b>Name of Decimated Mesh Dataset</b>	37607_C_lo.obj	
<b>Total Original Triangle Count</b>		305870
<b>Decimated Triangle Count</b>		25000
<b>RGB Color Preserved from original dataset</b>	Y	

Image Metadata

Identifier (Image File Name)	Title / Caption	Description of Image	Creator	Date	Rights	Keywords	Location
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