1-Project Description

Project Name	Virtual Amarna Museum
Name of monument, survey area, or object	NA
Monument/Object Number	37607_A
Monument/Object Description	Part 1 of 3,
Survey Location	Amarna, Egypt
Survey Date(s)	28-Feb-2009
Survey Conditions	Indoors
Scanner Details	Konica Minolta VIVID 9i; mm; Serial No: 1001198
Company/Operator Name	Center for Advanced Spatial Technologies, Katie Simon
Control data collected?	No
Turntable used?	Not recorded
RGB data capture. IF Yes, provide details.	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.
Estimated Data Resolution	0.412
Total Number of Scans in Project	15
Description of final datasets for archive	Original scans, registered dataset, premesh dataset, mesh dataset, decimated mesh dataset
Planimetric map of scan coverage areas	No
Additional project notes	NA
Images from survey	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_A_01	37607_A_mtrx_01	Yes	37607_A	28-Feb-2009	125446	NA	Triangulation	0.377584	Mid
37607_A_02	37607_A_mtrx_02	Yes	37607_A	28-Feb-2009	118763	NA	Triangulation	0.379394	Mid
37607_A_03	37607_A_mtrx_03	Yes	37607_A	28-Feb-2009	66105	NA	Triangulation	0.367715	Mid
37607_A_04	37607_A_mtrx_04	Yes	37607_A	28-Feb-2009	60707	NA	Triangulation	0.370308	Mid
37607_A_05	37607_A_mtrx_05	Yes	37607_A	28-Feb-2009	71882	NA	Triangulation	0.373036	Mid
37607_A_06	37607_A_mtrx_06	Yes	37607_A	28-Feb-2009	115741	NA	Triangulation	0.385041	Mid
37607_A_07	37607_A_mtrx_07	Yes	37607_A	28-Feb-2009	68458	NA	Triangulation	0.41005	Mid
37607_A_08	37607_A_mtrx_08	Yes	37607_A	28-Feb-2009	55212	NA	Triangulation	0.402686	Mid
37607_A_09	37607_A_mtrx_09	Yes	37607_A	28-Feb-2009	83650	NA	Triangulation	0.421006	Mid
37607_A_10	37607_A_mtrx_10	Yes	37607_A	28-Feb-2009	61442	NA	Triangulation	0.389993	Mid
37607_A_11	37607_A_mtrx_11	Yes	37607_A	28-Feb-2009	58666	NA	Triangulation	0.395389	Mid
37607_A_12	37607_A_mtrx_12	Yes	37607_A	28-Feb-2009	152359	NA	Triangulation	0.374663	Mid
37607_A_13	37607_A_mtrx_13	Yes	37607_A	28-Feb-2009	89849	NA	Triangulation	0.381998	Mid
37607_A_14	37607_A_mtrx_14	Yes	37607_A	28-Feb-2009	55385	NA	Triangulation	0.364071	Mid
37607_A_15	37607_A_mtrx_15	Yes	37607_A	28-Feb-2009	90815	NA	Triangulation	0.372494	Mid

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
37607_A_GR.txt	0.066	1274345

*** All Registration Information is REQUIRED.**

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	37607_A_GRE.txt
Number of Points in File	765094
Overlap Reduction	Y
Smoothing	N
Subsampling	N
Color Editions	N
Point Deletion Summary	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:

Name of Mesh Dataset	37607_A_hi.obj
Holes Filled	Y
Smoothing	Y
Color Editions	N
Healing/despiking	Y
Total Triangle Count (post editing, predecimation)	831912
RGB Color Included	Y
Data Reduction	N
Coordinate System Adjustment	Y
CS Adjustment Matrix	Cannot export from software
Additional processing notes	NA

Decimated Polygonal Mesh Metadata:

Name of Decimated Mesh Dataset	37607_A_lo.obj
Total Original Triangle Count	831912
Decimated Triangle Count	25000
RGB Color Preserved from original dataset	Y

Image Metadata

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