1-Project Description

Project Name	Virtual Amarna Museum
Name of monument, survey area, or object	NA
Monument/Object Number	11807
Monument/Object Description	Small figurine
Survey Location	Amarna, Egypt
Survey Date(s)	4-Mar-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?	No
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	0.177
Total Number of Scans in Project	12
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	First or Last Return (TOF scans only)	Frequency Settings (Phase scans only)	Noise Settings (Phase scans only)	Camera Exposure Settings (If RGB acquired)(Phase scans only)	Lense or FOV Details (Triangulation scans only)
11807_01	11807_mtrx_01	Yes	11807	4-Mar-2009	13745	NA	Triangulation	0.165001					Tele
11807_02	11807_mtrx_02	Yes	11807	4-Mar-2009	4085	NA	Triangulation	0.16522					Tele
11807_03	11807_mtrx_03	Yes	11807	4-Mar-2009	3840	NA	Triangulation	0.165908					Tele
11807_04	11807_mtrx_04	Yes	11807	4-Mar-2009	11584	NA	Triangulation	0.170947					Tele
11807_05	11807_mtrx_05	Yes	11807	4-Mar-2009	12892	NA	Triangulation	0.172477					Tele
11807_06	11807_mtrx_06	Yes	11807	4-Mar-2009	2733	NA	Triangulation	0.170444					Tele
11807_07	11807_mtrx_07	Yes	11807	4-Mar-2009	2133	NA	Triangulation	0.156741					Tele
11807_08	11807_mtrx_08	Yes	11807	4-Mar-2009	5267	NA	Triangulation	0.157022					Tele
11807_09	11807_mtrx_09	Yes	11807	4-Mar-2009	6701	NA	Triangulation	0.157062					Tele
11807_10	11807_mtrx_10	Yes	11807	4-Mar-2009	10468	NA	Triangulation	0.155413					Tele
11807_11	11807_mtrx_11	Yes	11807	4-Mar-2009	5481	NA	Triangulation	0.157053					Tele
11807_12	11807_mtrx_12	Yes	11807	4-Mar-2009	5574	NA	Triangulation	0.157399					Tele

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
11807_GR.txt	0.042	84481

* All Registration Information is REQUIRED.

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	11807_GRE.txt
Number of Points in File	72522
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	11807_hi.obj
Holes Filled	Y
Smoothing	Y
Color Editions	N
Healing/despiking	Y
Total Triangle Count (post editing, predecimation)	45746
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	11807_lo.obj
Total Original Triangle Count	45746
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