Project Name	Virtual Amarna Project
Name of monument, survey area, or object	NA
Monument/Object Number	37679
Monument/Object Description	Offering Table
Survey Location	Amarna, Egypt
Survey Date(s)	27-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?	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	0.454
Total Number of Scans in Project	11
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)
37679_01	37679_mtrx_01	Yes	37679	27-Feb-2009	91250	NA	Triangulation	0.453697	Mid
37679_02	37679_mtrx_02	Yes	37679	27-Feb-2009	85703	NA	Triangulation	0.450853	Mid
37679_03	37679_mtrx_03	Yes	37679	27-Feb-2009	48852	NA	Triangulation	0.438553	Mid
37679_04	37679_mtrx_04	Yes	37679	27-Feb-2009	47390	NA	Triangulation	0.446488	Mid
37679_05	37679_mtrx_05	Yes	37679	27-Feb-2009	85606	NA	Triangulation	0.461868	Mid
37679_06	37679_mtrx_06	Yes	37679	27-Feb-2009	48244	NA	Triangulation	0.455105	Mid
37679_07	37679_mtrx_07	Yes	37679	27-Feb-2009	56647	NA	Triangulation	0.459815	Mid
37679_08	37679_mtrx_08	Yes	37679	27-Feb-2009	99673	NA	Triangulation	0.444452	Mid
37679_09	37679_mtrx_09	Yes	37679	27-Feb-2009	36307	NA	Triangulation	0.469373	Mid
37679_10	37679_mtrx_10	Yes	37679	27-Feb-2009	51213	NA	Triangulation	0.458886	Mid
37679_11	37679_mtrx_11	Yes	37679	27-Feb-2009	47219	NA	Triangulation	0.459227	Mid

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
37679_GR.txt	0.066	698047

* All Registration Information is REQUIRED.

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	37679_GRE.txt	
Number of Points in File		440331
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	37679_hi.obj	
Holes Filled	Y	
Smoothing	Y	
Color Editions	N	
Healing/despiking	Y	
Total Triangle Count (post editing, predecimation)		368544
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	37679_lo.obj	
Total Original Triangle Count		368544
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
		`					