

1-Project Description

Project Name	Virtual Amarna Project
Name of monument, survey area, or object	NA
Monument/Object Number	34936
Monument/Object Description	Small figurine
Survey Location	Amarna, Egypt
Survey Date(s)	16-Mar-2008
Survey Conditions	Indoors
Scanner Details	Konica Minolta VIVID 9i; mm; Serial No: 1001198
Company/Operator Name	Center for Advanced Spatial Technologies,Christopher Goodmaster
Control data collected?	No
Turntable used?	No
RGB data capture. IF Yes, provide details.	Yes. The VIVID 9i uses internal RGB capture. No additional lighting was used to illuminate the scan artifacts. All additional lighting/color adjustments on the objects was performed during post-processing if necessary.
Estimated Data Resolution	0.16
Total Number of Scans in Project	6
Description of final datasets for archive	Original scans, registered dataset, premesh dataset, mesh dataset, decimated mesh dataset, images
Planimetric map of scan coverage areas	No
Additional project notes	NA
Images from survey	34936_01.jpg, 34936_02.jpg, 34936_03.jpg, 34936_04.jpg, , ,

* 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)
34936_01	34936_mtrx_01	Yes	34936	16-Mar-2008	28589	NA	Triangulation	0.161793	Tele
34936_02	34936_mtrx_02	Yes	34936	16-Mar-2008	25954	NA	Triangulation	0.160848	Tele
34936_03	34936_mtrx_03	Yes	34936	16-Mar-2008	15855	NA	Triangulation	0.160403	Tele
34936_04	34936_mtrx_04	Yes	34936	16-Mar-2008	18700	NA	Triangulation	0.160256	Tele
34936_05	34936_mtrx_05	Yes	34936	16-Mar-2008	26573	NA	Triangulation	0.16088	Tele
34936_06	34936_mtrx_06	Yes	34936	16-Mar-2008	10392	NA	Triangulation	0.160885	Tele

3-Registration Metadata

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
34936_GR.txt	0.025	126046
* All Registration Information is REQUIRED.		

4-Mesh Metadata

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	34936_GRE.txt	
Number of Points in File		85384
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	34936_hi.obj	
Holes Filled	Y	
Smoothing	Y	
Color Editions	N	
Healing/despiking	Y	
Total Triangle Count (post editing, predecimation)		127364
RGB Color Included	Y	
Data Reduction	N	
Coordinate System Adjustment	Y	
CS Adjustment Matrix	Cannot be exported from software.	
Additional processing notes	NA	

Decimated Polygonal Mesh Metadata:

Name of Decimated Mesh Dataset	34936_lo.obj	
Total Original Triangle Count		127364
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
34936_01.jpg	NA	Image of Amarna Object 34396, small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	16-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
34936_02.jpg	NA	Image of Amarna Object 34396, small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	16-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
34936_03.jpg	NA	Image of Amarna Object 34396, small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	16-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
34936_04.jpg	NA	Image of Amarna Object 34396, small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	16-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt