

1-Project Description

Project Name	Virtual Amarna Project
Name of monument, survey area, or object	NA
Monument/Object Number	35138
Monument/Object Description	Faience Pendant (grapes)
Survey Location	Amarna, Egypt
Survey Date(s)	11-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, Katie Simon
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	0.165
Total Number of Scans in Project	7
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	35138_01.jpg, 35138_02.jpg, 35138_03.jpg, 35138_04.jpg, 35138_05.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)
35138_01	35138_mtrx_01	Yes	35138	11-Mar-2008	39936	NA	Triangulation	0.161472	Tele
35138_02	35138_mtrx_02	Yes	35138	11-Mar-2008	38223	NA	Triangulation	0.161444	Tele
35138_03	35138_mtrx_03	Yes	35138	11-Mar-2008	21288	NA	Triangulation	0.168206	Tele
35138_04	35138_mtrx_04	Yes	35138	11-Mar-2008	12403	NA	Triangulation	0.166774	Tele
35138_05	35138_mtrx_05	Yes	35138	11-Mar-2008	21457	NA	Triangulation	0.167381	Tele
35138_06	35138_mtrx_06	Yes	35138	11-Mar-2008	28275	NA	Triangulation	0.17003	Tele
35138_07	35138_mtrx_07	Yes	35138	11-Mar-2008	41171	NA	Triangulation	0.16294	Tele

3-Registration Metadata

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
35138_GR.txt	0.04	202714
* All Registration Information is REQUIRED.		

4-Mesh Metadata

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	35138_GRE.txt	
Number of Points in File		111442
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	35138_hi.obj	
Holes Filled	Y	
Smoothing	Y	
Color Editions	Y	
Healing/despiking	Y	
Total Triangle Count (post editing, predecimation)		125578
RGB Color Included	Y	
Data Reduction	N	
Coordinate System Adjustment	N	
CS Adjustment Matrix	NA	
Additional processing notes	Data were color corrected in Rapidform XOR.	

Decimated Polygonal Mesh Metadata:

Name of Decimated Mesh Dataset	35138_lo.obj	
Total Original Triangle Count		125578
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
35138_01.jpg	NA	Image of Amarna Object 35138,faience pendant	Center for Advanced Spatial Technologies,Christopher Goodmaster, Ka	11-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
35138_02.jpg	NA	Image of Amarna Object 35138,faience pendant	Center for Advanced Spatial Technologies,Christopher Goodmaster	11-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
35138_03.jpg	NA	Image of Amarna Object 35138,faience pendant	Center for Advanced Spatial Technologies,Christopher Goodmaster	11-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
35138_04.jpg	NA	Image of Amarna Object 35138,faience pendant	Center for Advanced Spatial Technologies,Christopher Goodmaster	11-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
35138_05.jpg	NA	Image of Amarna Object 35138,faience pendant	Center for Advanced Spatial Technologies,Christopher Goodmaster	11-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt