1-Project Description

Project Name	Virtual Amarna Project
Name of monument, survey area, or object	NA
Monument/Object Number	36873
Monument/Object Description	Clay mould
Survey Location	Amarna, Egypt
Survey Date(s)	22-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	0.177
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	36873_01.jpg, 36873_02.jpg, 36873_03.jpg, 36873_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)
36873_01	36873_mtrx_01	Yes	36873	22-Mar-2008	39329	NA	Triangulation	0.176179	Tele
36873_02	36873_mtrx_02	Yes	36873	22-Mar-2008	38486	NA	Triangulation	0.175946	Tele
36873_03	36873_mtrx_03	Yes	36873	22-Mar-2008	26044	NA	Triangulation	0.179761	Tele
36873_04	36873_mtrx_04	Yes	36873	22-Mar-2008	39300	NA	Triangulation	0.176113	Tele
36873_05	36873_mtrx_05	Yes	36873	22-Mar-2008	25648	NA	Triangulation	0.175904	Tele
36873_06	36873_mtrx_06	Yes	36873	22-Mar-2008	25439	NA	Triangulation	0.176099	Tele
36873_07	36873_mtrx_07	Yes	36873	22-Mar-2008	23766	NA	Triangulation	0.175838	Tele

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
36873_GR.txt	0.026	217992

* All Registration Information is REQUIRED.

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	36873_GRE.txt
Number of Points in File	113499
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	36873_hi.obj
Holes Filled	Y
Smoothing	Y
Color Editions	N
Healing/despiking	Y
Total Triangle Count (post editing, predecimation)	130684
RGB Color Included	N
Data Reduction	N
Coordinate System Adjustment	Y
CS Adjustment Matrix	Cannot export from software
Additional processing notes	Color information was removed from this model due to poor color quality.

Decimated Polygonal Mesh Metadata:

Name of Decimated Mesh Dataset	36873_lo.obj
Total Original Triangle Count	130684
Decimated Triangle Count	25000
RGB Color Preserved from original dataset	N- Color information removed.

Image Metadata

Identifier (Image File Name)	Title / Caption	Description of Image	Creator	Date	Rights	Keywords	Location
36873_01.jpg	NA	Image of Amarna Object 36873, clay mould	Center for Advanced Spatial Technologies,Christopher Goodmaster	22-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
36873_02.jpg	NA	Image of Amarna Object 36873, clay mould	Center for Advanced Spatial Technologies,Christopher Goodmaster	22-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
36873_03.jpg	NA	Image of Amarna Object 36873, clay mould	Center for Advanced Spatial Technologies,Christopher Goodmaster	22-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
36873_04.jpg	NA	Image of Amarna Object 36873, clay mould	Center for Advanced Spatial Technologies,Christopher Goodmaster	22-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt

`