1-Project Description

Project Name	Virtual Amarna Project
Name of monument, survey area, or object	NA
Monument/Object Number	36728
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	0.178
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	36728_01.jpg, 36728_02.jpg, 36728_03.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)
36728_01	36728_mtrx_01	Yes	36728	22-Mar-2008	23954	NA	Triangulation	0.176669	Tele
36728_02	36728_mtrx_02	Yes	36728	22-Mar-2008	20851	NA	Triangulation	0.179705	Tele
36728_03	36728_mtrx_03	Yes	36728	22-Mar-2008	18457	NA	Triangulation	0.179665	Tele
36728_04	36728_mtrx_04	Yes	36728	22-Mar-2008	9492	NA	Triangulation	0.176501	Tele
36728_05	36728_mtrx_05	Yes	36728	22-Mar-2008	8976	NA	Triangulation	0.177952	Tele
36728_06	36728_mtrx_06	Yes	36728	22-Mar-2008	8002	NA	Triangulation	0.177799	Tele
36728_07	36728_mtrx_07	Yes	36728	22-Mar-2008	22120	NA	Triangulation	0.176693	Tele

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
36728_GR.txt	0.022	111846

* All Registration Information is REQUIRED.

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	36728_GRE.txt
Number of Points in File	70477
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	36728_hi.obj
Holes Filled	Y
Smoothing	Y
Color Editions	N
Healing/despiking	Y
Total Triangle Count (post editing, predecimation)	118892
RGB Color Included	N
Data Reduction	N
Coordinate System Adjustment	N
CS Adjustment Matrix	NA
Additional processing notes	Color information was removed from this model due to poor color quality.

Decimated Polygonal Mesh Metadata:

Name of Decimated Mesh Dataset	36728_lo.obj
Total Original Triangle Count	118892
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
36728_01.jpg	NA	Image of Amarna Object 36728, clay mould	Center for Advanced Spatial Technologies,Christopher Goodmaster	22-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
36728_02.jpg	NA	Image of Amarna Object 36728, clay mould	Center for Advanced Spatial Technologies,Christopher Goodmaster	22-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
36728_03.jpg	NA	Image of Amarna Object 36728, clay mould	Center for Advanced Spatial Technologies,Christopher Goodmaster	22-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt

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