1-Project Description

Project Name	Virtual Amarna Project
Name of monument, survey area, or object	NA
Monument/Object Number	36376
Monument/Object Description	None available
Survey Location	Amarna, Egypt
Survey Date(s)	18-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	0.157
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	36376_01.jpg, 36376_02.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)
36376_01	36376_mtrx_01	Yes	36376	18-Mar-2008	115780	NA	Triangulation	0.159306	Tele
36376_02	36376_mtrx_02	Yes	36376	18-Mar-2008	114315	NA	Triangulation	0.158168	Tele
36376_03	36376_mtrx_03	Yes	36376	18-Mar-2008	41985	NA	Triangulation	0.153337	Tele
36376_04	36376_mtrx_04	Yes	36376	18-Mar-2008	80215	NA	Triangulation	0.15891	Tele
36376_05	36376_mtrx_05	Yes	36376	18-Mar-2008	61609	NA	Triangulation	0.157198	Tele
36376_06	36376_mtrx_06	Yes	36376	18-Mar-2008	120467	NA	Triangulation	0.156725	Tele

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
36376_GR.txt	0.022	534346

* All Registration Information is REQUIRED.

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	36376_GRE.txt
Number of Points in File	308676
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	36376_hi.obj
Holes Filled	Y
Smoothing	Y
Color Editions	Y
Healing/despiking	Y
Total Triangle Count (post editing, predecimation)	368528
RGB Color Included	Y
Data Reduction	N
Coordinate System Adjustment	N
CS Adjustment Matrix	NA
Additional processing notes	Color data were edited in Rapidform XOR.

Decimated Polygonal Mesh Metadata:

Name of Decimated Mesh Dataset	36376_lo.obj
Total Original Triangle Count	368528
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
36376_01.jpg	NA	Image of Amarna Object 36376	Center for Advanced Spatial Technologies,Christopher Goodmaster	18-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
36376_02.jpg	NA	Image of Amarna Object 36376	Center for Advanced Spatial Technologies,Christopher Goodmaster	18-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt

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