1-Project Description

Project Name	Virtual Amarna Project
Name of monument, survey area, or object	NA
Monument/Object Number	35064
Monument/Object Description	Statue fragment (possible crown)
Survey Location	Amarna, Egypt
Survey Date(s)	15-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	0.161
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	35064_01.jpg, 35064_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)
35064_01	35064_mtrx_01	Yes	35064	15-Mar-2008	53921	NA	Triangulation	0.160982	Tele
35064_02	35064_mtrx_02	Yes	35064	15-Mar-2008	44197	NA	Triangulation	0.160579	Tele
35064_03	35064_mtrx_03	Yes	35064	16-Mar-2008	40596	NA	Triangulation	0.162581	Tele
35064_04	35064_mtrx_04	Yes	35064	16-Mar-2008	36605	NA	Triangulation	0.162356	Tele
35064_05	35064_mtrx_05	Yes	35064	16-Mar-2008	48420	NA	Triangulation	0.159605	Tele
35064_06	35064_mtrx_06	Yes	35064	16-Mar-2008	42519	NA	Triangulation	0.159385	Tele

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
35064_GR.txt	0.03	266219

* All Registration Information is REQUIRED.

Pre-Meshing Metadata

Name of Pre-Mesh Dataset	35064_GRE.txt
Number of Points in File	158946
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	35064_hi.obj
Holes Filled	Y
Smoothing	Y
Color Editions	N
Healing/despiking	Y
Total Triangle Count (post editing, predecimation)	218878
RGB Color Included	Y
Data Reduction	N
Coordinate System Adjustment	N
CS Adjustment Matrix	NA
Additional processing notes	Color information was removed from this object due to poor color quality.

Decimated Polygonal Mesh Metadata:

Name of Decimated Mesh Dataset	35064_lo.obj
Total Original Triangle Count	218878
Decimated Triangle Count	25000
RGB Color Preserved from original dataset	N

Image Metadata

Identifier (Image File Name)	Title / Caption	Description of Image	Creator	Date	Rights	Keywords	Location
35064_01.jpg	NA	Image of Amarna Object 35064, statue fragment	Center for Advanced Spatial Technologies,Christopher Goodmaster	15-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
35064_02.jpg	NA	Image of Amarna Object 35064, statue fragment	Center for Advanced Spatial Technologies,Christopher Goodmaster	15-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt

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