

## 1-Project Description

<b>Project Name</b>	Virtual Amarna Project
<b>Name of monument, survey area, or object</b>	NA
<b>Monument/Object Number</b>	8902
<b>Monument/Object Description</b>	Amarna Figurine
<b>Survey Location</b>	Amarna, Egypt
<b>Survey Date(s)</b>	12-Mar-2008
<b>Survey Conditions</b>	Indoors
<b>Scanner Details</b>	Konica Minolta VIVID 9i; mm; Serial No: 1001198
<b>Company/Operator Name</b>	Center for Advanced Spatial Technologies,Christopher Goodmaster
<b>Control data collected?</b>	No
<b>Turntable used?</b>	No
<b>RGB data capture. IF Yes, provide details.</b>	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.
<b>Estimated Data Resolution</b>	0.189
<b>Total Number of Scans in Project</b>	8
<b>Description of final datasets for archive</b>	Original scans, registered dataset, premesh dataset, mesh dataset, decimated mesh dataset, images
<b>Planimetric map of scan coverage areas</b>	No
<b>Additional project notes</b>	NA
<b>Images from survey</b>	8902_01.jpg, 8902_02.jpg, 8902_03.jpg, 8902_04.jpg, , ,

\* All Project Information is REQUIRED.

## 2-Scan Metadata

									Frequency	Camera Exposure	Lense or FOV		
	Scan Transformation		* Name of monument/object		Number of	Additional	* Scanner	Data	First or Last Return (TOF	Settings (Phase	Noise Settings (Phase scans	Settings (If RGB acquired)(Phase	Details (Triangulation
*Scan Filename	Matrix	Matrix Applied to Scans?	area	* Survey Date	Points in Scan	Scan Notes	Technology	Resolution	scans only)	scans only)	only)	scans only)	scans only)
8902_01	8902_mtrx_01	Yes		8902 12-Mar-2008	94863	NA	Triangulation	0.189636					Tele
8902_02	8902_mtrx_02	Yes		8902 12-Mar-2008	77451	NA	Triangulation	0.192244					Tele
8902_03	8902_mtrx_03	Yes		8902 12-Mar-2008	84577	NA	Triangulation	0.190823					Tele
8902_04	8902_mtrx_04	Yes		8902 12-Mar-2008	80261	NA	Triangulation	0.183805					Tele
8902_05	8902_mtrx_05	Yes		8902 12-Mar-2008	83029	NA	Triangulation	0.183489					Tele
8902_06	8902_mtrx_06	Yes		8902 12-Mar-2008	45681	NA	Triangulation	0.187556					Tele
8902_07	8902_mtrx_07	Yes		8902 12-Mar-2008	59745	NA	Triangulation	0.189089					Tele
8902_08	8902_mtrx_08	Yes		8902 12-Mar-2008	97803	NA	Triangulation	0.190329					Tele

### 3-Registration Metadata

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
8902_GR.txt	0.029	623333
* All Registration Information is REQUIRED.		

#### 4-Mesh Metadata

##### Pre-Meshing Metadata

<b>Name of Pre-Mesh Dataset</b>	8902_GRE.txt	
<b>Number of Points in File</b>		345601
<b>Overlap Reduction</b>	Y	
<b>Smoothing</b>	N	
<b>Subsampling</b>	N	
<b>Color Editions</b>	N	
<b>Point Deletion Summary</b>	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:

<b>Name of Mesh Dataset</b>	8902_hi.obj	
<b>Holes Filled</b>	Y	
<b>Smoothing</b>	Y	
<b>Color Editions</b>	Y	
<b>Healing/despiking</b>	Y	
<b>Total Triangle Count (post editing, predecimation)</b>		537533
<b>RGB Color Included</b>	Y	
<b>Data Reduction</b>	N	
<b>Coordinate System Adjustment</b>	Y	
<b>CS Adjustment Matrix</b>	Cannot export from software	
<b>Additional processing notes</b>	Mesh was color corrected in Rapidform XOR.	

##### Decimated Polygonal Mesh Metadata:

<b>Name of Decimated Mesh Dataset</b>	8902_lo.obj	
<b>Total Original Triangle Count</b>		537533
<b>Decimated Triangle Count</b>		25000
<b>RGB Color Preserved from original dataset</b>	Y	

Image Metadata

Identifier (Image File Name)	Title / Caption	Description of Image	Creator	Date	Rights	Keywords	Location
8902_01.jpg	NA	Image of Amarna Object 8902, a small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	12-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
8902_02.jpg	NA	Image of Amarna Object 8902, a small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	12-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
8902_03.jpg	NA	Image of Amarna Object 8902, a small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	12-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
8902_04.jpg	NA	Image of Amarna Object 8902, a small figurine	Center for Advanced Spatial Technologies,Christopher Goodmaster	12-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt