

## 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>	34931
<b>Monument/Object Description</b>	Engraving (face)
<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>	0.226
<b>Total Number of Scans in Project</b>	2
<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>	Scans are only of one side of the object.
<b>Images from survey</b>	34931_01.jpg, 34931_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)
34931_01	34931_mtrx_01	Yes	34931	12-Mar-2008	286553	NA	Triangulation	0.228223	Mid
34931_02	34931_mtrx_02	Yes	34931	12-Mar-2008	270075	NA	Triangulation	0.223407	Mid

### 3-Registration Metadata

Name of Registered Dataset	Global Registration Error in units	Total number of points in final registration
34931_GR.txt	0.023	556593
* All Registration Information is REQUIRED.		

#### 4-Mesh Metadata

##### Pre-Meshing Metadata

<b>Name of Pre-Mesh Dataset</b>	34931_GRE.txt	
<b>Number of Points in File</b>		374185
<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>	34931_hi.obj	
<b>Holes Filled</b>	Y	
<b>Smoothing</b>	Y	
<b>Color Editions</b>	N	
<b>Healing/despiking</b>	Y	
<b>Total Triangle Count (post editing, predecimation)</b>		683115
<b>RGB Color Included</b>	Y	
<b>Data Reduction</b>	N	
<b>Coordinate System Adjustment</b>	N	
<b>CS Adjustment Matrix</b>	NA	
<b>Additional processing notes</b>	NA	

##### Decimated Polygonal Mesh Metadata:

<b>Name of Decimated Mesh Dataset</b>	34931_lo.obj	
<b>Total Original Triangle Count</b>		683115
<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
34931_01.jpg	NA	Image of Amarna Object 34931, engraved face	Center for Advanced Spatial Technologies,Christopher Goodmaster	12-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt
34931_02.jpg	NA	Image of Amarna Object 34931, engraved face	Center for Advanced Spatial Technologies,Christopher Goodmaster	12-Mar-2008	Creative Commons 3.0	Amarna, Akhenaten, 3D model	Amarna, Egypt