## 1-Project Description

| Project Name | Virtual Amarna Museum |
| :---: | :---: |
| Name of monument, survey area, or object | NA |
| Monument/Object Number | 34147_22 |
| Monument/Object Description | One fragment (\#22) of a series that form a door jamb |
| Survey Location | Amarna, Egypt |
| Survey Date(s) | 6-Mar-2009 |
| Survey Conditions | Indoors |
| Scanner Details | Konica Minolta VIVID 9i; mm; Serial No: 1001198 |
| Company/Operator Name | Center for Advanced Spatial Technologies, Katie Simon |
| Control data collected? | No |
| Turntable used? | No |
| RGB data capture. IF Yes, provide details. | Yes. The VIVID 9i uses internal RGB capture. A three point lighting system was used to illuminate the object from the top and from both sides; this minimized shadows on the object. Each light in the system had 1-3 white light ( 5000 k ) flicker free fluorescent bulbs. A $2 / 2 / 2$ bulb configuration was used throughout the scanning process. |
| Estimated Data Resolution | 0.395 |
| Total Number of Scans in Project | 12 |
| Description of final datasets for archive | Original scans, registered dataset, mesh dataset, decimated mesh dataset, image |
| Planimetric map of scan coverage areas | No |
| Additional project notes | NA |
| Images from survey | 34147_all.jpg |

* All Project Information is REQUIRED.

| *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 <br> Resolution | Lense or FOV Details (Triangulation scans only) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34147_22_01 | 34147_22_mtrx_01 | Yes | 34147_22 | 6-Mar-2009 | 23751 | NA | Triangulation | 0.398774 | Mid |
| 34147_22_02 | 34147_22_mtrx_02 | Yes | 34147_22 | 6-Mar-2009 | 22930 | NA | Triangulation | 0.402536 | Mid |
| 34147_22_03 | 34147_22_mtrx_03 | Yes | 34147_22 | 6-Mar-2009 | 5426 | NA | Triangulation | 0.399404 | Mid |
| 34147_22_04 | 34147_22_mtrx_04 | Yes | 34147_22 | 6-Mar-2009 | 17905 | NA | Triangulation | 0.389637 | Mid |
| 34147_22_05 | 34147_22_mtrx_05 | Yes | 34147_22 | 6-Mar-2009 | 16080 | NA | Triangulation | 0.391234 | Mid |
| 34147_22_06 | 34147_22_mtrx_06 | Yes | 34147_22 | 6-Mar-2009 | 6599 | NA | Triangulation | 0.39153 | Mid |
| 34147_22_07 | 34147_22_mtrx_07 | Yes | 34147_22 | 6-Mar-2009 | 30802 | NA | Triangulation | 0.397876 | Mid |
| 34147_22_08 | 34147_22_mtrx_08 | Yes | 34147_22 | 6-Mar-2009 | 21853 | NA | Triangulation | 0.398554 |  |
| 34147_22_09 | 34147_22_mtrx_09 | Yes | 34147_22 | 6-Mar-2009 | 4418 | NA | Triangulation | 0.399626 | Mid |
| 34147_22_10 | 34147_22_mtrx_10 | Yes | 34147_22 | 6-Mar-2009 | 28375 |  | Triangulation | 0.390833 |  |
| 34147_22_11 | 34147_22_mtrx_11 | Yes | 34147_22 | 6-Mar-2009 | 18362 |  | Triangulation | 0.390879 | Mid |
| 34147_22_12 | 34147_22_mtrx_12 | Yes | 34147_22 | 6-Mar-2009 | 7955 | NA | Triangulation | 0.388723 |  |


| Name of Registered <br> Dataset | Global <br> Registration <br> Error in units | Total number of <br> points in final <br> registration |
| :--- | :--- | :--- |
| $34147 \_22 \_$GR.txt | 0.045 | 204434 |
| * All Registration Information is REQUIRED. |  |  |

Pre-Meshing Metadata

| Name of Pre-Mesh Dataset | Dataset not available |
| :--- | :--- |
| Number of Points in File |  |
| Overlap Reduction |  |
| Smoothing |  |
| Subsampling |  |
| Color Editions |  |
| Point Deletion Summary |  |

Point Deletion Summary

Polygonal Mesh Metadata:

| Polygonal Mesh Metadata: |
| :--- |
| Name of Mesh Dataset $34147 \_22 \_$hi.obj <br> Holes Filled Y <br> Smoothing Y <br> Color Editions N <br> Healing/despiking Y <br> Total Triangle Count (post editing,  <br> predecimation) Y <br> RGB Color Included N <br> Data Reduction Y <br> Coordinate System Adjustment Cannot export from software <br> CS Adjustment Matrix Mesh was created from the registered point cloud. Note - no overlap reduction or editing was performed on the point <br> Additional processing notes cloud prior to meshing. |

Decimated Polygonal Mesh Metadata:

| Name of Decimated Mesh Dataset | $34147 \_22 \_l o .0 b j$ | 223790 |
| :--- | :--- | ---: |
| Total Original Triangle Count |  | 25000 |
| Decimated Triangle Count |  |  |
| RGB Color Preserved from original <br> dataset |  |  |

