DIGITAL HERITAGE & HUMANITIES COLLECTIONS (DHHC)
Website: http://www.lib.usf.edu/dhhc/

Formed in July 2016, the DHHC initiative documents heritage sites, landscapes and objects, and creates digital learning tools and collections through the use of 3D and imaging technologies. Projects cover heritage sites in the Bahamas, Spain, France, Greece, Armenia, and the United States.

Departmental Highlights for 2016-17
In addition to the formal goals articulated for 2016-17, DHHC accomplished the following:

- Developed and deployed an enhanced platform supporting contextualized digital collections of distinction (see below).
- Developed an innovative and interactive “way-finding” strategy for the USF Libraries’ facility (see https://my.matterport.com/models/gLvQFAbLbpB and https://flic.kr/s/aHskUGpua4).
- Increased external funding by $388,630 through important new partnerships with the National Park Service.
- Established a robust social media campaign directed at ARL member libraries. At present, the ARL is actively following and reposting our communications in so doing demonstrating that the USF Libraries’ work is being valued by the membership.
- Designed and delivered three workshops highlighting the innovations being driven by the DHHC team.
- Established a protocol for developing enhanced 3D digital collections that will contribute to the establishment of a community standard. This will be reported on during an upcoming CNI conference (international audience).

Featured Collections/Projects (Enhanced and Sobek platforms)
3D Documentation of the Haghpat Monastery, Armenia (349 objects)
DHHC used a combination of 3D imaging and survey technologies to document and conduct analyses of the Haghpat Monastery complex, a World Heritage site in Armenia dating to the 10th century.

Enhanced Website: http://arcg.is/2kRjlGA
Sobek Website: http://digital.lib.usf.edu/haghpat-monastery
Cowpens National Battlefield Historic Tours
Located between Chesney and Gaffney, South Carolina, the site was the scene of an American Revolution battle. This collection includes access via a smartphone app.
Website: http://arcg.is/1WhoF0r

Fort Matanzas National Monument
Using terrestrial laser scanning (TLS), survey-grade GPS, GPS imagery, and photogrammetric and other forms of advanced photo imagery, the DHHC team is simultaneously contributing to site management and interpretation strategies and building a distinctive research collection.
Website: http://arcg.is/2kSph1W

Ninety-Six National Historic Site
This project provides baseline data and 3D digital records of critically threatened historic features at Ninety-Six National Historic Site.
Website: http://arcg.is/2kIGL3S

Olmec Formative Period Sculpture in 3D (Chalcatzingo, Morelos, Mexico)
The archaeological site of Chalcatzingo contains one of the most extensive collections of Middle Formative period (c.900-500 BC) bas-relief stone sculpture outside of the Olmec Gulf Coast lowlands. These monuments are being three-dimensionally recorded and modeled and openly-shared for use by researchers, students, and educators.
Website: http://arcg.is/2kWqBkx

Notable (New) 3D Collections (Sobek platform only)
3D Models Digital Documentation Collection (61 objects)
The 3D Model Collection draws from work performed on a variety of grants and research projects involving digital heritage from around the world. These 3D models are lightweight, easy to share versions of work performed to archive, preserve, and foster stewardship for heritage and archaeological sites. Using 3D and reality capture technologies, these models can be used to support curriculum development, education, science and technology learning, and demonstrate how the role of libraries is transforming.
Website: http://digital.lib.usf.edu/3d-models

The Armenian Heritage and Social Memory Program (84 objects)
The purpose of the program is to bring together comprehensive information and interactive 3D visualizations of these cultural elements in a single, virtual location, readily accessible by anyone with an internet connection, anyplace in the world.
Website: http://digital.lib.usf.edu/armenian-heritage

Cape Canaveral Collection (18 objects, in progress)
Working in collaboration with the 45th Space Wing of the United States Air Force, Cape Canaveral Air Force Station (CCAFS), this digital survey and documentation was undertaken by
USF’s Digital Heritage and Humanities Collections group in the USF Libraries (Principal Investigators Drs. Lori Collins and Travis Doering), to provide continuing baseline terrestrial laser scanning (TLS) survey, monitoring, and spatial recording for selected historic launch complexes.

Enhanced Website: http://arcg.is/2mk4vWi
Website: http://digital.lib.usf.edu/cape-canaveral-3d