

Livingstone Imaging Options

Support NEH Grant with Imaging, Scholarship and Data Management and Hosting

Provide the imaging product necessary for the scholarly study of the David Livingstone manuscripts on Livingstone Online, as well as future publications. Supported by an NEH Grant, this imaging work will be carried out in close collaboration with the owners of the David Livingstone 1870-71 Diary and Select Letters: The David Livingstone Centre (DLS) in Blantyre, and the National Library of Scotland (NLS) in Edinburgh.

Spectral imaging and digital processing of David Livingstone's 1870-71 Diary and Select Letters. There are approximately 150-166 pages or portions of pages to image.

Baseline Option (NEH Funded):

Imaging at NLS by team of 4, including:

- Scholar, Data Manager/Logger, Program Manager/Imager and Camera Setup/Operator.
- Post-processing Stateside by three Imaging Scientists.
- Imaging supported by onsite NLS and DLC personnel
- Imaging Scientists travel at later date to collaborate and brief results with scholars with funding from additional grant.

Schedule:

1 Day	Setup
1 Day	Initial Imaging (20-30 sides)
4 Days	Imaging and Metadata collection (40 sides/day)
1 Day	Reserve and Pack-out

On-site Processing Option 1 (Partially Funded):

Imaging at NLS by full team of 7, including:

- Scholar, Data Manager/Logger, Program Manager/Imager and Camera Engineer, and Three Imaging Scientists.
- Follow-up visit by scholar and data manager with possible funding from follow-on British Academy.
- Schedule linked to Dresden Imaging Effort

Schedule:

24 or 25 June	Setup
25- 26 June	Initial Imaging (30-40 sides)
28 June – 3 July	Imaging and Metadata collection (40 sides/day)
26 June – 1 July	Processing all PCA and Pseudocolor
2 July	Processed results delivered
2 or 3 July	Pack-out
1 August	Full data set delivered
Sept - Dec	Data Hosting

On-site Processing Option 2 (Partially Funded):

Imaging at NLS by team of 6, including:

- Scholar, Program Manager/Imager, Data Manager/Logger and Camera Engineer, Two Imaging Scientists (Easton, Christens-Barry).
- Third Imaging Scientist (Knox) performs post-processing.
- Follow-up visit by scholar (Wisnicki), imaging scientist (Knox) and data and program managers (Emery, Toth) for data hosting coordination discussions, with possible funding from follow-on British Academy grant.
- Schedule linked to Dresden Imaging Effort

Schedule:

24 or 25 June	Setup
25- 26 June	Initial Imaging (30-40 sides)
28 June – 3 July	Imaging and Metadata collection (40 sides/day)
26 June – 2 July	Processing all PCA
2 July	PCA and other onsite processed results delivered
2 or 3 July	Pack-out

(3 July reserve for makeup/experimental imaging)

On-site Processing Option 3 (Partially Funded):

Imaging at NLS by team of 5, including:

- Scholar, Program Manager/Imager, and Camera Engineer.
- Two Imaging Scientists (Easton, Christens-Barry).
- Third Imaging Scientist (Knox) performs post-processing
- Follow-up visit by scholar (Wisnicki), imaging scientist (Knox) and data and program managers (Emery, Toth) for data hosting coordination discussions, with possible funding from follow-on British Academy.
- Schedule linked to Dresden Imaging Effort

Schedule:

24 or 25 June	Setup
25- 26 June	Initial Imaging (30-40 sides)
28 June – 3 July	Imaging and Metadata collection (40 sides/day)
26 June – 2 July	Processing all PCA
2 July	PCA and other onsite processed results delivered
2 or 3 July	Pack-out

(3 July reserve for makeup/experimental imaging)

Data Schedule:

July-September	Post-processing
September - Oct	Processing and Data Coordination Visit
Oct- Nov	Continued processing and data management
Dec- June 2011	Data Hosting
15 July 2011	Formal Announcements and Access

Issues:

- Funding for travel of larger team (Options 1, 2 and 3)
- FTP and transfer of images and data for verification (Options 2 and 3)
- Coordination and planning with NLS and David Livingstone Centre
- Scheduling access to imaging space and manuscripts
- Courier and site costs with NLS, David Livingstone Centre and NTS
- Transport of primary manuscripts from David Livingstone Centre
- Utility of Color Wheel images
- Height of copy stand and ability to image diary and letters
- Onsite processing and quality control
- Transfer of initial images and data Stateside for quality control