



# Archiving on the go

Facilitating auto-archiving of  
evolving digital collections

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# + Lawrence McFarland collection



- Artist's workflow:  
capturing images – editing/version control – digital storage
- Film photography to digital imaging
- New version saved with each addition of layers/adjustments



# Lawrence McFarland collection



- Scope – collection is currently stored on about 100 individual external hard drives
- Estimated total size of 10-15 TB
- Shortcomings of current storage solution:
  - Difficulty of searching entire collection at once
  - Artist must remember to manually update hard drives daily
- Older images stored on CDs and DVDs

# + File naming conventions

- McFarland's file naming conventions are seen below:

<b>p</b>	<b>1990-</b>	<b>NM-</b>	<b>ShipRock-</b>	<b>01.0</b>	<b>.psd</b>
Camera code	Year	Location	Subject/Key words	Version number	File type



# McFarland's needs for archiving



- Improved search and accessibility
- Managing the collection on his own time
- Improvements through automation
  - Extracting metadata
  - Verifying integrity of files
  - More reliable preservation/protection
- Giving McFarland back more time to continue creating new images

# + Developing tools

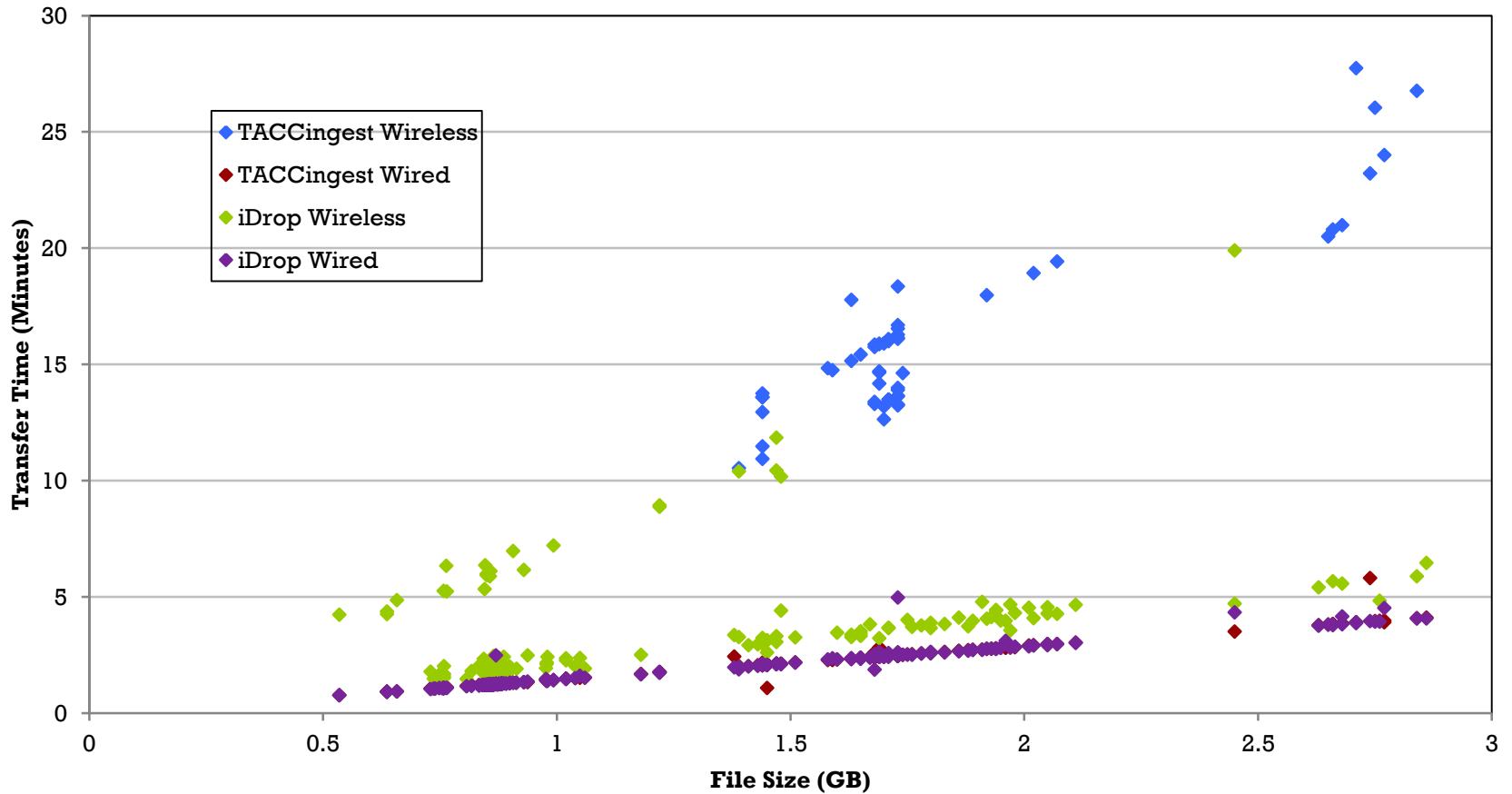
- Testing software for usability
- Determining what functionality will fit artist's needs
- Testing wired and wifi connections



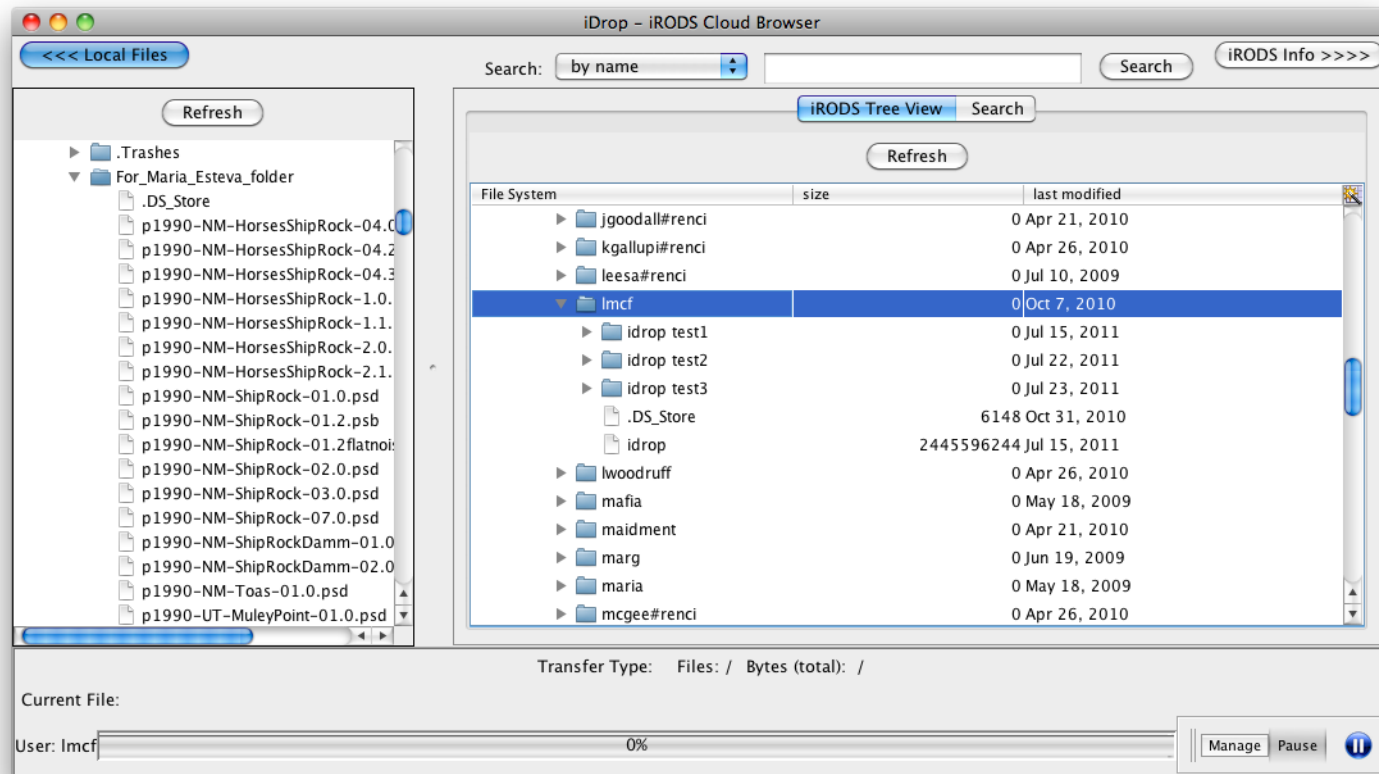
# + Transfer testing results



## Transfer Time vs. File Size for All Connections



# + iDrop interface





# + Metadata mapping



- Describing McFarland's file naming conventions in terms of metadata fields
- Automating metadata extraction
- METS file containing VRA Core and PREMIS fields
- Possibility for increased search functions

# + Conclusions



- Digital libraries and institutional repositories must expand to accommodate larger collections
- Importance of getting involved earlier in record/research creation process
- Ensuring storage media and digital file types remain accessible