

Instructions for DVD Processing
Community Archiving Workshop 2016
City of Asylum, Pittsburgh, PA (revised 2025)

Overview

Processing DVD for City of Asylum consists of 4 main stages:

1. VIDEO_TS Folder Transfer from DVD to Computer
2. Convert DVD files to MP4 Access Files
3. Create Disk Image for future duplications
4. Deliver to City of Asylum

Before beginning all computers working with born-digital materials will need one or more of the following programs available on their computer:

- DataAccessioner <https://github.com/digitalpowrr/DataAccessioner>
 - DataAccessioner-v0-3-1.zip (instructions and screenshots based on this version)
 - Latest version can be found:
<https://github.com/digitalpowrr/DataAccessioner/releases/>
 - Download distribution package (dataaccessioner-[V.x]-dist.zip), unzip, and open .jar file (see [run instructions](#))
- HandBrake - <https://handbrake.fr/downloads.php>
 - Mac: HandBrake-0.10.5-MacOSX.6_GUI_x86_64.dmg
 - PC: HandBrake-0.10.5-i686-Win_GUI.exe (32-bit) OR
HandBrake-0.10.5-x86_64-Win_GUI.exe (64-bit)
- Optional: Disk Utility (MAC)
 - Disk Imaging is an alternate way to copy DVD content and preserve it.
- Optional: ISO Buster (PC) <https://www.isobuster.com/download.php>
 - Isobuster_install.exe
- All programs are available on a thumb drive, see Sandra to copy them to your computer.

Programs and Streaming Platforms to consider for digital preservation and providing access to video content.

- Fixity (digital preservation)
 - Fixity is a utility for the documentation and regular review of stored files. Fixity scans a folder or directory, creating a manifest of the files including their file paths and their checksums, against which a regular comparative analysis can be run. Fixity monitors file integrity through generation and validation of checksums, and file attendance through monitoring and reporting on new, missing, moved and renamed files. Fixity emails a report to the user documenting flagged items along with the reason for a flag, such as that a file has been moved to a new location in the directory, has been edited, or has failed a checksum comparison for other reasons. Supplementing tools like BagIt that review files at points of exchange, when run regularly Fixity becomes a powerful tool for monitoring digital files in repositories, servers, and other long-term storage locations.
 - <https://www.avpreserve.com/tools/fixity/>

- Bagger (digital preservation)
 - Tool to produce a package of data files according to the BagIt specification
 - <https://sourceforge.net/projects/loc-xferutils/files/loc-bagger/>
- Internet Archive (streaming platform)
 - The Internet Archive (archive.org) is a 501(c)(3) non-profit that was founded to build an Internet library, with the purpose of offering permanent access for researchers, historians, and scholars to historical collections that exist in digital format.
 - <https://archive.org/>

Transferring files from DVD to computer using DataAccessioner

1. Insert DVD
2. Open DataAccessioner.jar
 - a. Name
 - b. Accession# /DVD ID #
 - c. Collection Title (Season #)
 - d. Source Destination
 - i. Mac: HD > Volumes > DVD_NAME > TS_VIDEO
 - ii. Click Select Disk/Directory to Migrate
 - iii. PC: Computer/DVD>TS_VIDEO
 - e. Accession Directory
 - i. Create a folder on the Desktop titled Accession# _____
 - ii. Desktop > Select (one-click) on Accession# folder.
 - f. Source Data Metadata
 - i. Source Name or identifier: Accession #
 - ii. Add DC Elements (xml tages) (Mac version)
 - Creator: City of Asylum
 - Date YYYY-MM-DD
 - Identifier
 - iii. About Source: Describe content of DVD (PC version)
 - Creator: City of Asylum
 - Date YYYY-MM-DD
 - Identifier
 - g. Click Migrate
3. TS_VIDEO files will be in the Accession# folder on the Desktop along with an XML file

Transfer Accession# folder from computer to removable drive for Access File Creation

After transferring a 1-5 DVDs, you can pass the files to the Access File Creation stage, where DVD files can be batch processed from a Queue using HandBrake.

1. Drag Accession# folder from Desktop to removable drive.
2. Safely eject the removable drive, and pass it to the HandBrake station
3. Connect drive to computer

Creating MP4 access files using HandBrake

Transcoding is the process of converting one digital video format to another digital video format. In this case, we will be converting the TS_VIDEO.VOB files to a smaller, more compressed .MP4 access file. Having access files provides easier access to the content for streaming online.

1. Open Handbrake
2. Select Source
3. Select Output
4. Choose the Normal Preset
5. Add to Queue
6. Repeat for multiple video files that you want to process
7. Click Start

Transfer Files to External Hard Drive

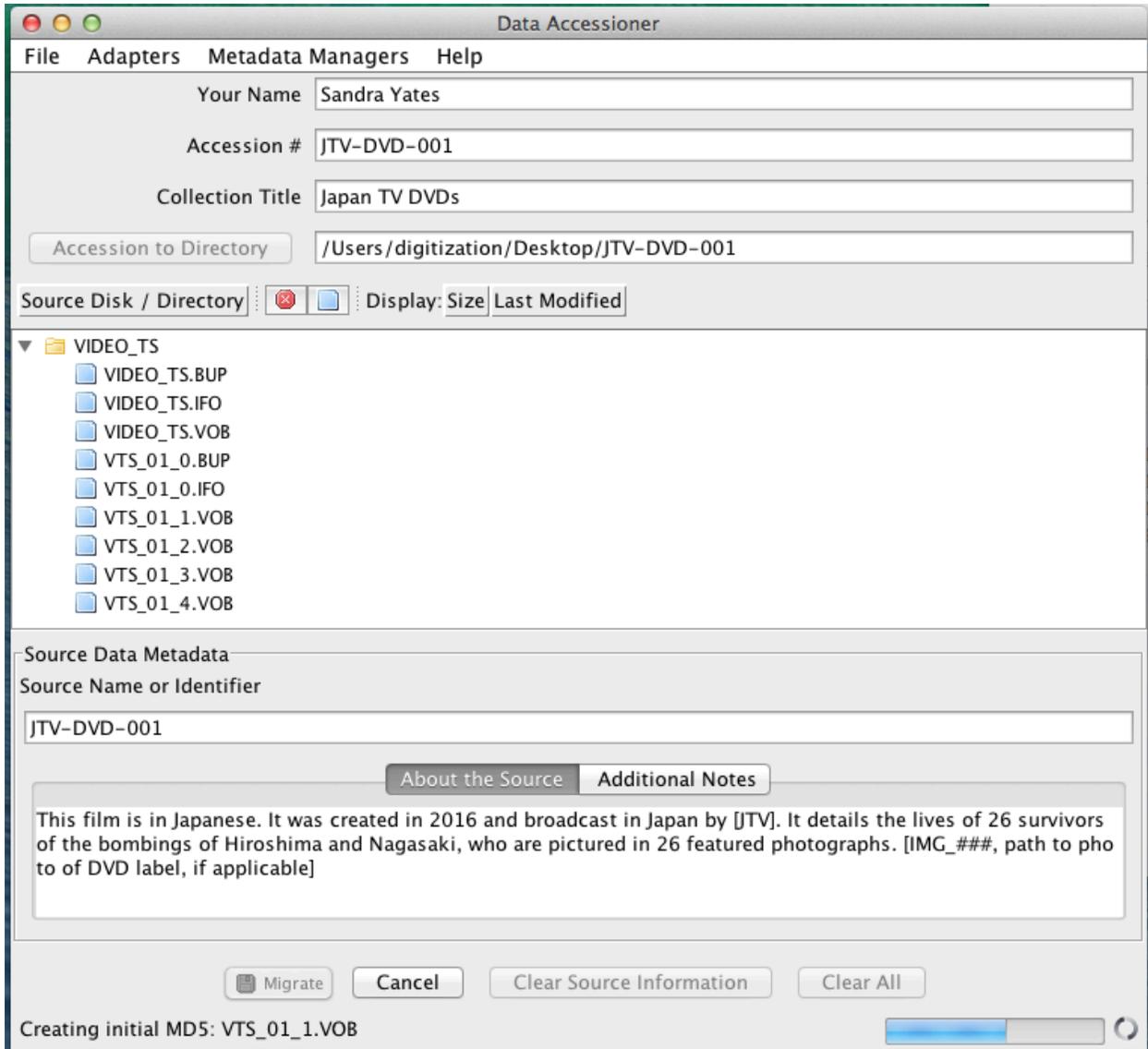
After access files have been made using Handbrake, transfer DVD directories to the external hard drive provided by City of Asylum (partner organization). If any files need processing after the workshop, they will be delivered electronically using Google Drive.

IMAGES

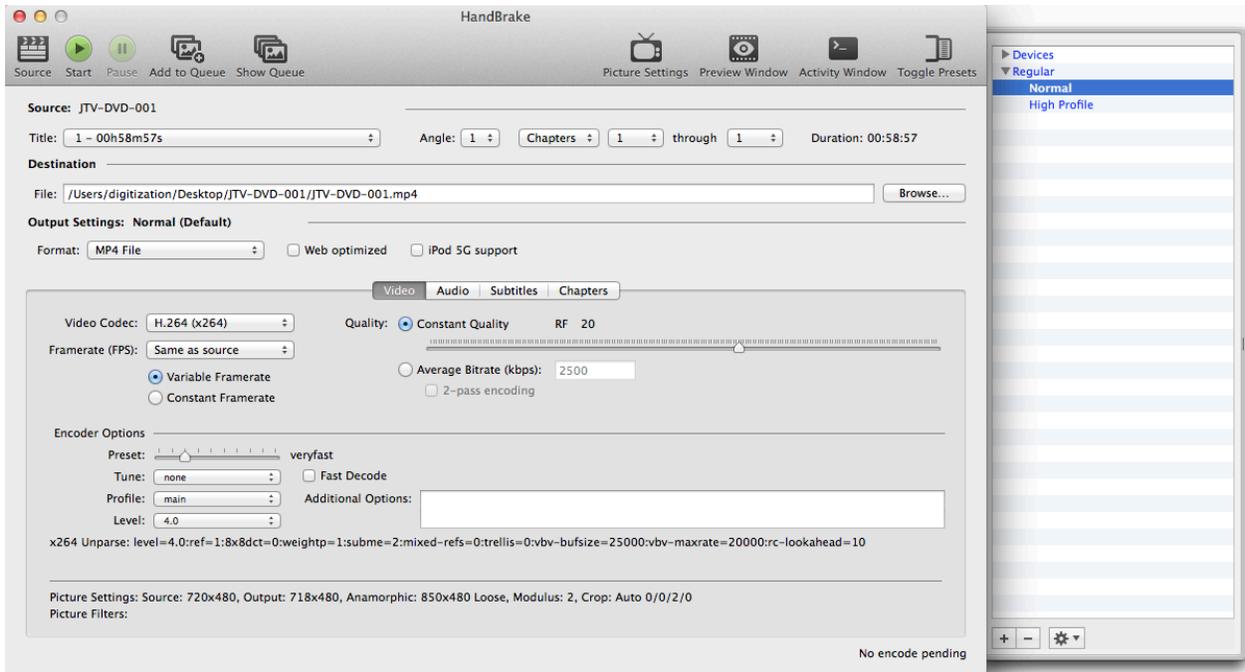
View of Desktop with Programs



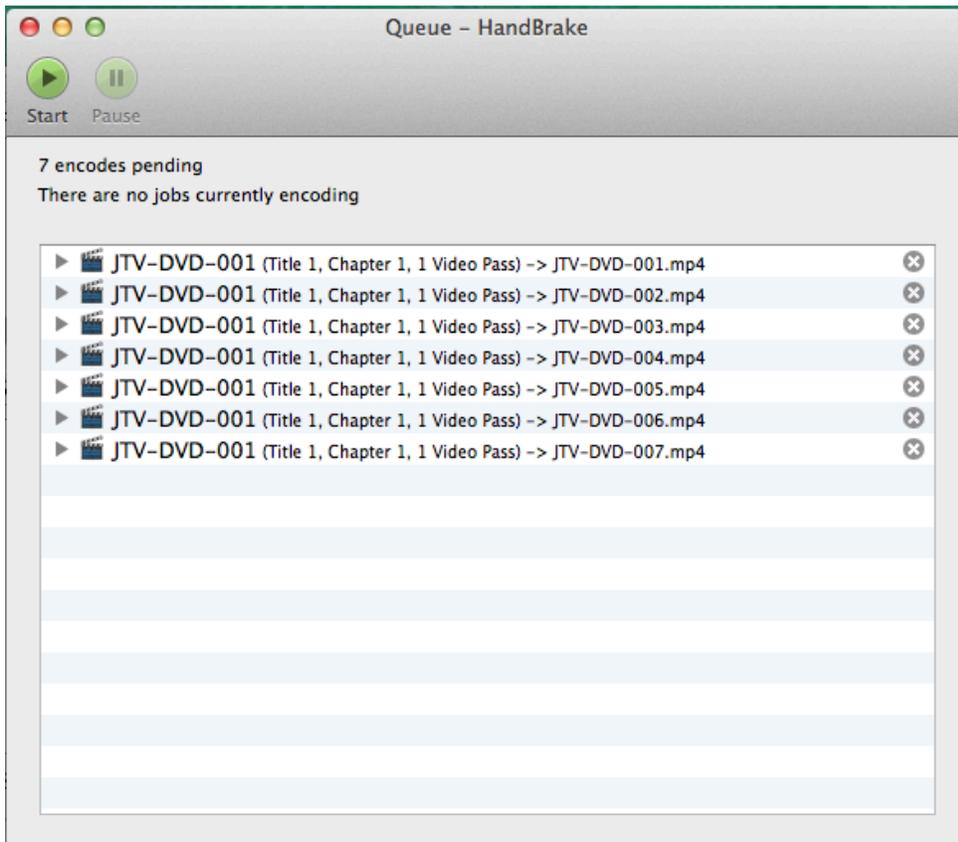
DataAccessioner



HandBrake (Normal Preset)



HandBrake (Queue)



Final Information Package

Name	Date Modified	Size	Kind
JTV-DVD-001	Today, 4:52 PM	--	Folder
JTV-DVD-001	Jan 9, 2006, 2:23 PM	--	Folder
VIDEO_TS.BUP	Jan 9, 2006, 2:23 PM	12 KB	Document
VIDEO_TS.IFO	Jan 9, 2006, 2:23 PM	12 KB	Document
VIDEO_TS.VOB	Jan 9, 2006, 2:23 PM	82 KB	VOB Fil...Video)
VTS_01_0.BUP	Jan 9, 2006, 2:23 PM	47 KB	Document
VTS_01_0.IFO	Jan 9, 2006, 2:23 PM	47 KB	Document
VTS_01_1.VOB	Jan 9, 2006, 2:23 PM	1.07 GB	VOB Fil...Video)
VTS_01_2.VOB	Jan 9, 2006, 2:23 PM	1.07 GB	VOB Fil...Video)
VTS_01_3.VOB	Jan 9, 2006, 2:23 PM	1.07 GB	VOB Fil...Video)
VTS_01_4.VOB	Jan 9, 2006, 2:23 PM	998.5 MB	VOB Fil...Video)
JTV-DVD-001-label.png	Today, 4:51 PM	15 KB	PNG image
JTV-DVD-001.mp4	Today, 4:48 PM	706.2 MB	MPEG-4 File
JTV-DVD-001.xml	Today, 4:48 PM	2 KB	XML document

XML file produced by DataAccessioner

```

<?xml version="1.0" encoding="UTF-8"?>
<collection xmlns="http://dataaccessioner.org/schema/dda-0-3-1" name="Japan TV DVDs">
  <accession number="JTV-DVD-001"><folder name="JTV-DVD-001"
last_modified="2006-01-09T14:23:19.000">
  <note>JTV-DVD-001 transferred by Sandra Yates on Wed Oct 26 16:16:41 CDT
2016</note>
  <description>This film is in Japanese. It was created in 2016 and
broadcast in Japan by [JTV]. It details the lives of 26 survivors of the bombings of
Hiroshima and Nagasaki, who are pictured in 26 featured photographs. [IMG_###, path to
photo of DVD label, if applicable]
  </description>
  <file name="VIDEO_TS.BUP" last_modified="2006-01-09T14:23:19.000"
size="12288" MD5="ff3b16333862b35ce2d052db59b94f2f" />
  <file name="VIDEO_TS.IFO" last_modified="2006-01-09T14:23:19.000"
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size="81920" MD5="4762d2950761e7d3bcadd119be298903" />
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size="47104" MD5="ad1cbce17ab2db2b9ffff94b1d3e6353" />
  <file name="VTS_01_0.IFO" last_modified="2006-01-09T14:23:19.000"
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  <file name="VTS_01_2.VOB" last_modified="2006-01-09T14:23:19.000"
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  <file name="VTS_01_3.VOB" last_modified="2006-01-09T14:23:19.000"
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  <file name="VTS_01_4.VOB" last_modified="2006-01-09T14:23:19.000"
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  </folder>

```