

Fail Criteria	Description
Aspect Ratio	Auto QC Fail: having to do with incorrect aspect ratio
Audio Clipping	Manual QC Fail: QC specialist observes audio clipping attributable to the scanner (e.g., levels maxed out when viewed in RX).
Audio Discontinuities	Manual QC Fail: QC specialist notices discontinuities (that are neither conventional interstitial errors nor conventional analog distortions) in the audio waveform when viewing in RX. These discontinuities may audibly manifest as "quiet" pops, they may manifest as pops equally as loud as those created by interstitial errors, or they may not be audible at all. Note that, until further notice, this is a postponement criterion, not a failure criterion.
Audio Pops	Manual QC Fail: Pops heard in the audio track at regular intervals, often in the transients at the beginning of phrases.
Audio Pops (Fix)	Manual QC Fail: Pops heard in the audio track at regular intervals, often in the transients at the beginning of phrases. This failure rationale is exclusive to scans done with the Lasergraphics software update (3/24/2018 - SB1-2179 and 3/27/2018 - SB1-2524) aimed at fixing the pop issue.
Audio Pops (Fix 2)	Manual QC Fail: Pops heard in the audio track at regular intervals, often in the transients at the beginning of phrases. This failure rationale is exclusive to scans done with the second Lasergraphics software update (4/18/2018) aimed at fixing the pop issue.
Audio Pops (Fix 3)	Manual QC Fail: Pops heard in the audio track at regular intervals, often in the transients at the beginning of phrases. This failure rationale is exclusive to scans done with the third Lasergraphics software update (5/22/2018 - SB1-2524 and 5/25/2018 - SB1-2179) aimed at fixing the pop issue.
Audio Pops (Fix 4)	Manual QC Fail: Pops heard in the audio track at regular intervals, often in the transients at the beginning of phrases. This failure rationale is exclusive to scans done with the fourth Lasergraphics software update (6/20/2018 - SB1-2179 and 7/7/2018 - SB1-2524) aimed at fixing the pop issue.
Audio Pops (Fix 5)	Manual QC Fail: Pops heard in the audio track at regular intervals, often in the transients at the beginning of phrases. This failure rationale is exclusive to scans done with the fourth Lasergraphics software update (10/23/2018; morning for 2179 and 1pm for 2524) aimed at fixing the pop issue.
Audio Pops (Before Splice)	Manual QC Fail: Interstitial errors in program content 26 frames before splices.
Audio Pops (Mag)	Manual QC Fail: RX-confirmed interstitial errors found in a mag-audio film (either fullcoat or stripe). This rationale is for mag-audio films scanned with the mag reader, as of December 2018.
Audio Streams	Auto QC Fail: either the overscan or the crop should contain an audio stream, but do not
Audio Warble	Manual QC Fail: QC specialist notices a substantial amount of vibrato (pitch fluctuation, a.k.a. wow, flutter, or warble) in the soundtrack that appears contextually inappropriate. Films failed for this should first be postponed and checked on the Steenbeck, if possible, to ensure that the vibrato is not printed-in.
AV Sync	Manual QC Fail: QC specialist notices that the audio and image are out of sync, based on testing a splice or other transient sound source near the tail.
Bad Splice	Manual QC Fail: QC specialist notices a splice that should have been repaired as part of the inspection process.

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Base Calibration	Manual QC Fail: Base light visible in program content (looks very pink in light areas).
Checksum	Auto QC Fail: having to do with a checksum issue
Color Correction	Manual QC Fail: QC specialist thinks the color correction could have been done better.
Color Space	Film scanned in the wrong color space based on the manifest or generation of the element. Linear vs. Logarithmic.
Dirt	Manual QC Fail: Too much dirt on the print that should have been cleaned off.
Download Failed	Auto QC Fail: having to do with a package download issue.
Duration Difference	Auto QC Fail: having to do with a duration difference.
Film Unsteadiness	Film Unsteadiness: film moves around in the gate a lot resulting in poor image and/or audio issues.
Focus	Manual QC Fail: image is out of focus because scanner operator forgot to focus (look at perf edges), film is warped, or other reasons.
Foreign Material in Scanner	Manual QC Fail: QC specialist notices a hair that is present in the scanner gate.
FPS	Auto QC Fail: having to do with an incorrect frame rate detected / Manual QC Fail: Film scanned at a frame rate that does not match the content.
Frame Count	Auto QC Fail: having to do with when a specific frame is missing.
Frame Height	Auto QC Fail: having to do with an incorrect frame height being detected.
Framing	Manual QC Fail: QC specialist notices that the framing could have been done better; this failure usually has to do with printed words being cut off or when frame lines are too present in the crop; If a frameline is noticed in the first 5 minutes of a film or there are framelines present for 50% or more of the film it's a fail.
Gamut	Manual QC Fail: QC specialist notices that there is white clipping or black crushing for greater than or equal to 1% of the film content.
Gate Present	Manual QC Fail: QC specialist notices that the framing is too loose, resulting in the scanner gate showing up in the image.
Incomplete Scan	Manual QC Fail: QC specialist notices a lack of Memnon head or tail leader and a discrepancy between the film length from the manifest information or the Memnon .xml.
Invalid Bag	Auto QC Fail: bagit header contains a lowercase v instead of the uppercase V expected by the auto-QC system.
Mag-Track Crop-Raw Discrepancy	Manual QC Fail: QC specialist notices that the audio in the crop of a magnetic-audio-track film is different from the audio in the overscan. (Example: overscan is stereo, crop is mono.)
Metadata	Auto QC Fail: having to do with a metadata issue.
Missing Frame	Auto QC Fail: having to do with a frame that was expected to be there missing. POD Message: Object has failed Auto QC checks pres/01: Expected 1 for bagvalidate(format:default) but got 0 instead: Frame 42936 is missing.
Multiple Streams	Manual QC Fail: QC specialist notices that the film was delivered with multiple video and/or audio streams; typically scans of this type will not process through IU's VidiCert software.

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No Head Leader	Manual QC Fail: QC specialist notices there is no leader at the head of a film and therefore cannot confirm if they are receiving the entire film.
Off Kilter	Manual QC Fail: QC specialist notices that the film is off kilter (rotated clockwise). Films with rotation greater than n° will be failed.
Operator Error	Manual QC Fail: QC specialist notices an error likely attributable to the scanner operator (e.g., film was scanned backwards).
Post Processing	Auto QC Fail: having to do with a post processing issue detected.
Registration Error	Manual QC Fail: QC specialist notices that due to a splice bump or scanner error the image shifts such that vital picture information is lost. This failure rationale is exclusive to overscans done on the old aspect ratio (2048x1229).
Registration Error (1556)	Manual QC Fail: QC specialist notices that due to a splice bump or scanner error the image shifts such that vital picture information is lost. This failure rationale is exclusive to overscans done on the new aspect ratio (2048x1556).
Scanner Error	Manual QC Fail: QC specialist receives something that seems attributable to a glitch with the scanner software or hardware.
Silent Fullcoat Mag	Manual QC: Not a true failure condition, but a note for future reference. Refers to a fullcoat mag film that, after scanning, was revealed to have nothing but quiet noise in its audio track(s).
Tape	Manual QC Fail: QC specialist notices that there is tape on the film that should have been removed prior to scanning.
Thudding	Manual QC Fail: QC specialist has identified a rhythmic thudding sound in content similar to the noise of perfs going through optical gate.
Warp	Manual QC Fail: QC specialist notices that there is image blurriness and fails the scan so that it can be redone with the warpgate workflow.
Wrong Codec	Auto QC Fail: either the overscan or crop ProRes transcoded using the wrong codec.
Wrong Film	Manual QC Fail: QC specialist notices that the film scanned under a particular barcode is substantially different from the manifest's description of that barcode, and has reason to suspect the same film may have been scanned to multiple barcodes.
Wrong Resolution	Auto QC Fail: Memnon .xml identifies the film as being a different resolution than what was actually scanned (e.g. 2k instead of 4k).