WinHaze Updates

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• Make WinHaze an online tool.
• Create a new masking technique that uses GIS data to quickly create the mask.
WinHaze as an Online Tool
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Masking Technique

• Given a landscape photo and estimated camera position generate a matrix of per-pixel visible distances.
  – Automated as much as possible
  – User intervention still required

• Entire Process is ~30 min for a new image.
User Interface for creating mask

- DEM files automatically retrieved based on observation point, camera heading, and maximum visible distance
- Refine Camera Pose.
- Compute Ray Casting
- Perspective correction
- Artifact correction
Mount Rainier
Mount Rainier

\[ b_{sp} = 30 \text{ Mm}^{-1} \]