

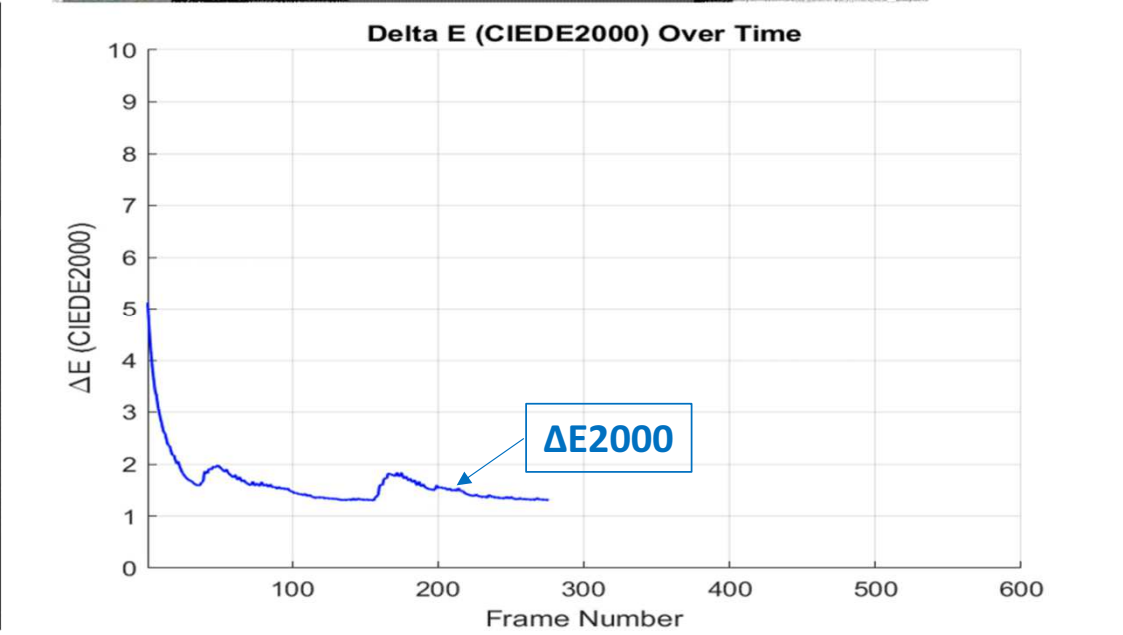
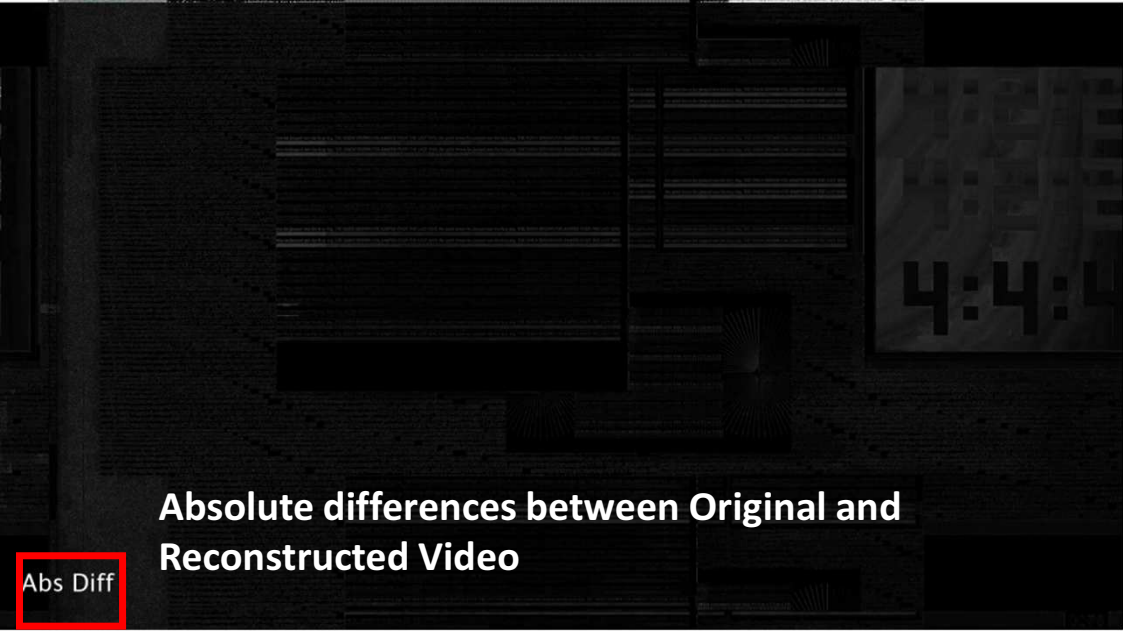
`pmax_values` stores the maximum grayscale intensity per frame in the distorted images. It helps in understanding brightness variations and is used in PSNR calculations and visualization.

PSNR (Peak Signal-to-Noise Ratio) Guidelines

PSNR (dB)	Quality Level	Perceived Visual Quality
> 38 dB	4 (Excellent)	Almost indistinguishable from the original
35 - 38 dB	3 (Very Good)	High quality, minor artifacts may be visible in some cases
30 - 35 dB	2 (Good)	Noticeable compression artifacts but still acceptable
< 30 dB	1 (Bad)	Poor quality, heavy compression artifacts visible

SSIM (Structural Similarity Index) Guidelines

SSIM (0 - 1)	Quality Level	Perceived Visual Quality
> 0.97	4 (Excellent)	Almost no perceptible difference from the original
0.94 - 0.97	3 (Very Good)	Minor perceptible differences, generally very good quality
0.85 - 0.94	2 (Good)	Compression artifacts are visible but quality is acceptable
< 0.85	1 (Bad)	Significant degradation, poor quality



Color Performance:

Interpreting ΔE_{2000} Values

ΔE_{2000} Perceived Difference

0 - 1 **Barely noticeable**

1 - 2 **Slight difference**

2 - 3 **Noticeable**

3 - 5 **Clear difference**

5 - 10 **Major difference**

> 10 **Different colors**