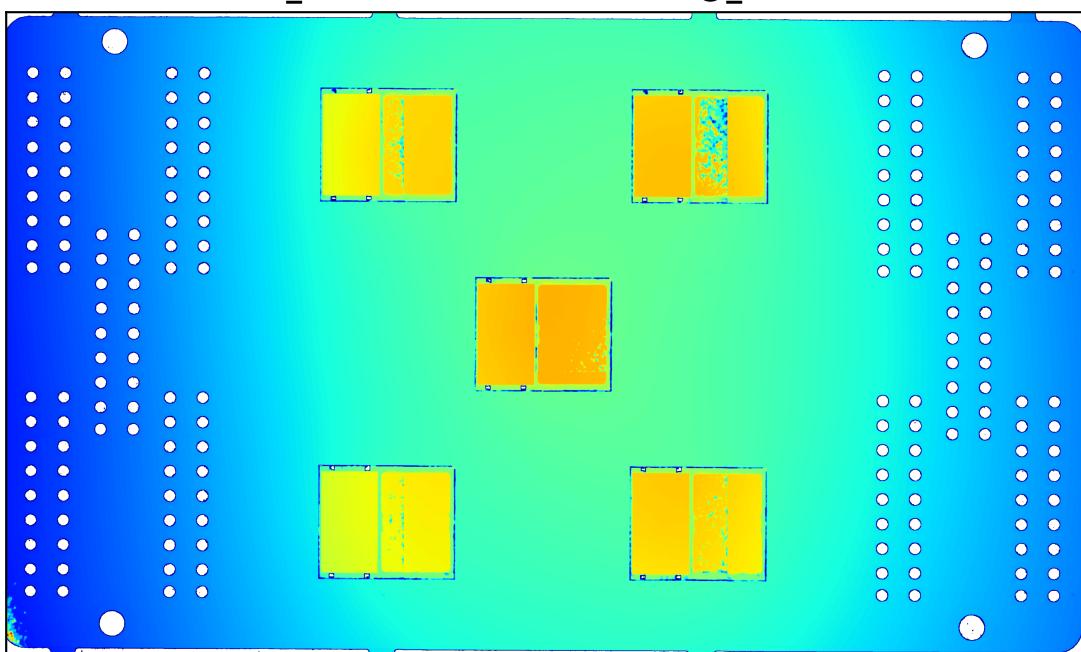
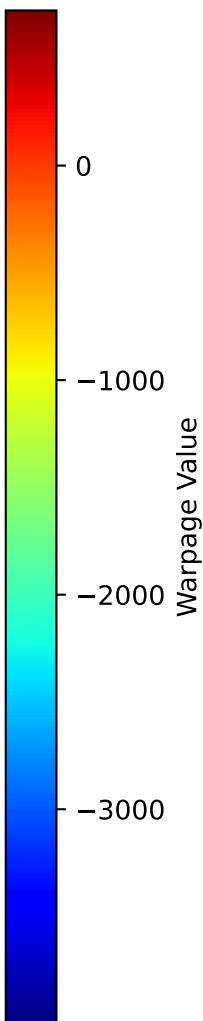


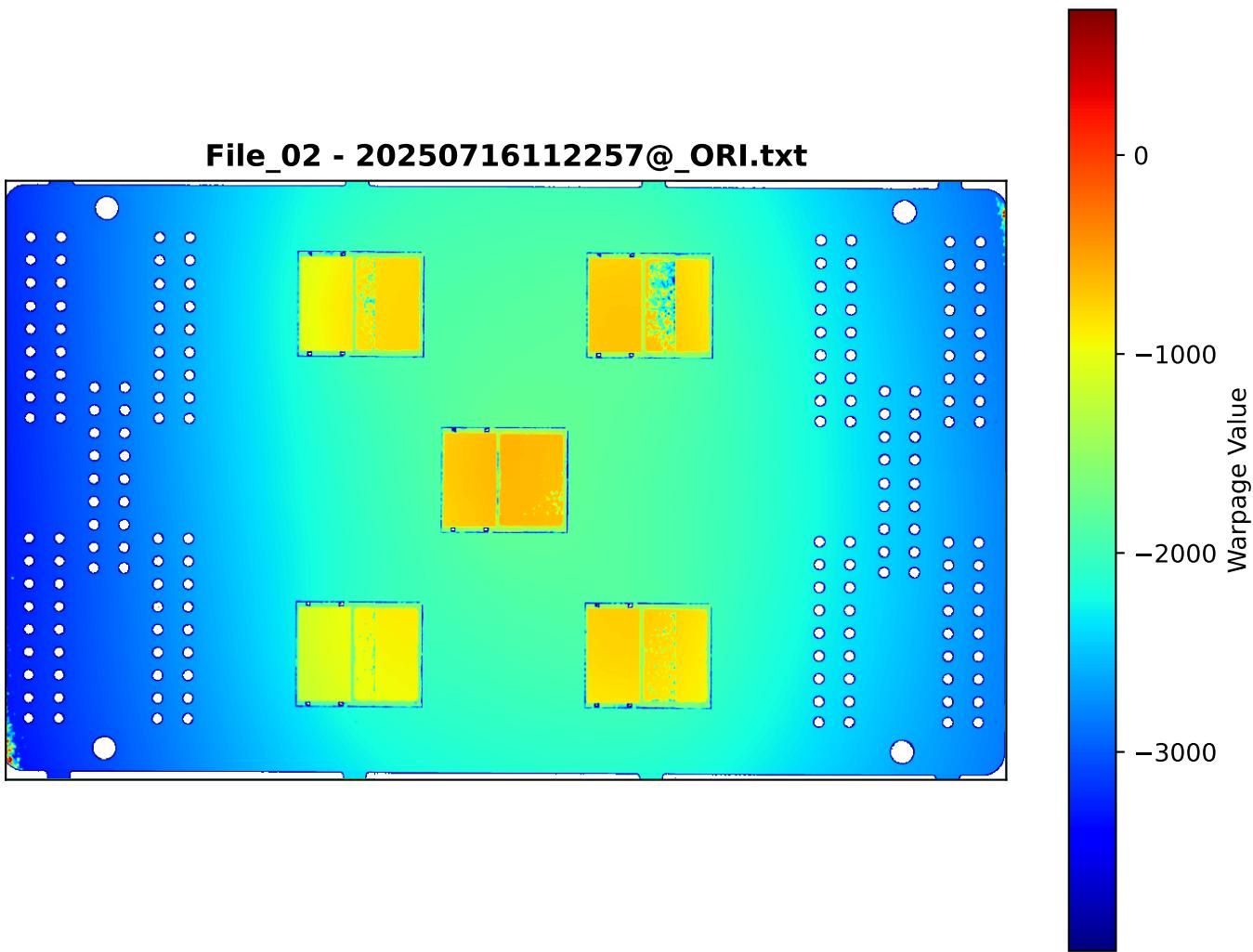
Shape: (2632, 4390)  
Min: -3999.900000  
Max: 723.000000  
Mean: -2209.723644  
Std: 628.034713

File\_01 - 20250716111845@\_ORI.txt



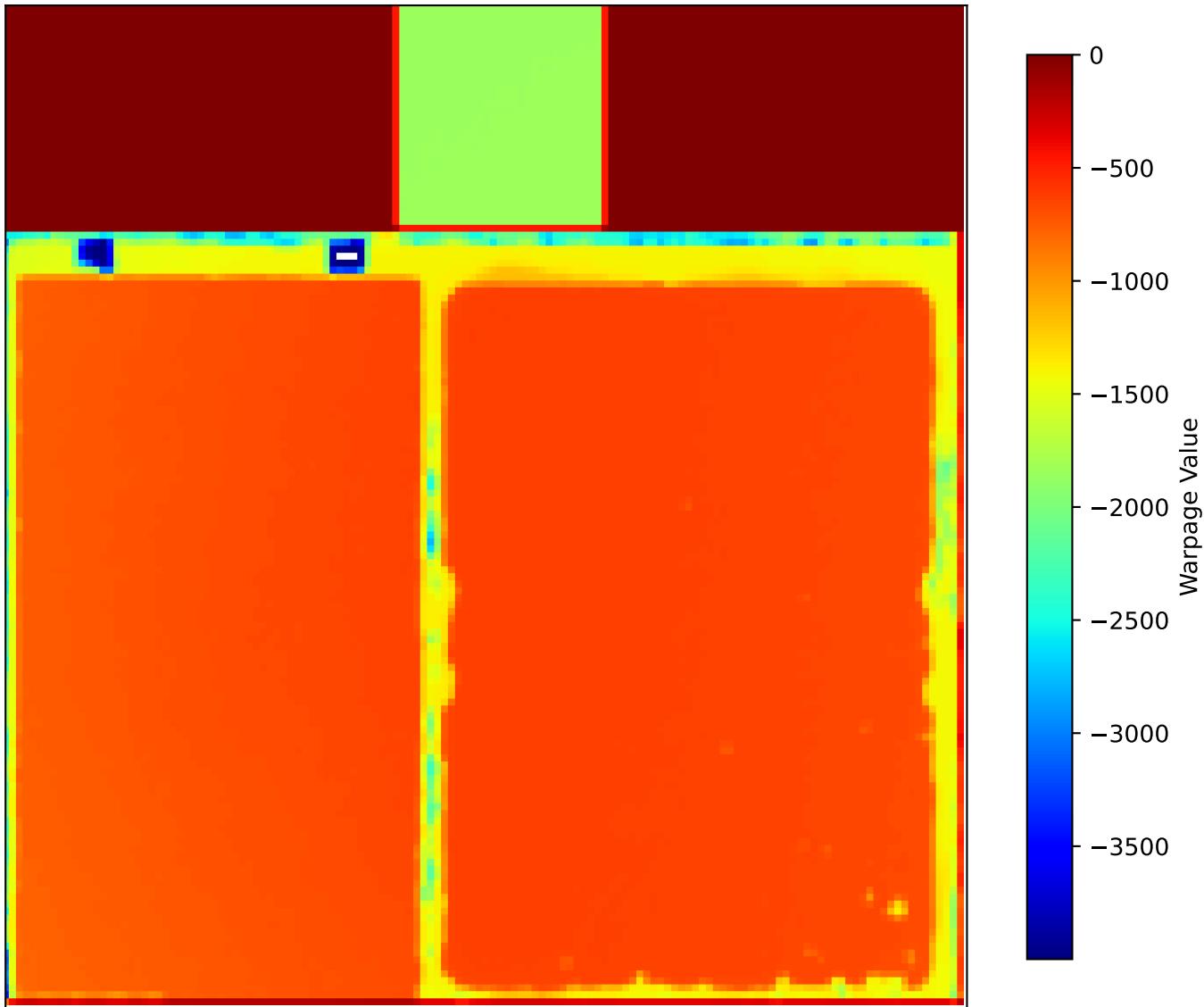
Shape: (658, 1099)  
Min: -3999.900000  
Max: 730.500000  
Mean: -2227.136616  
Std: 632.112844

File\_02 - 20250716112257@\_ORI.txt



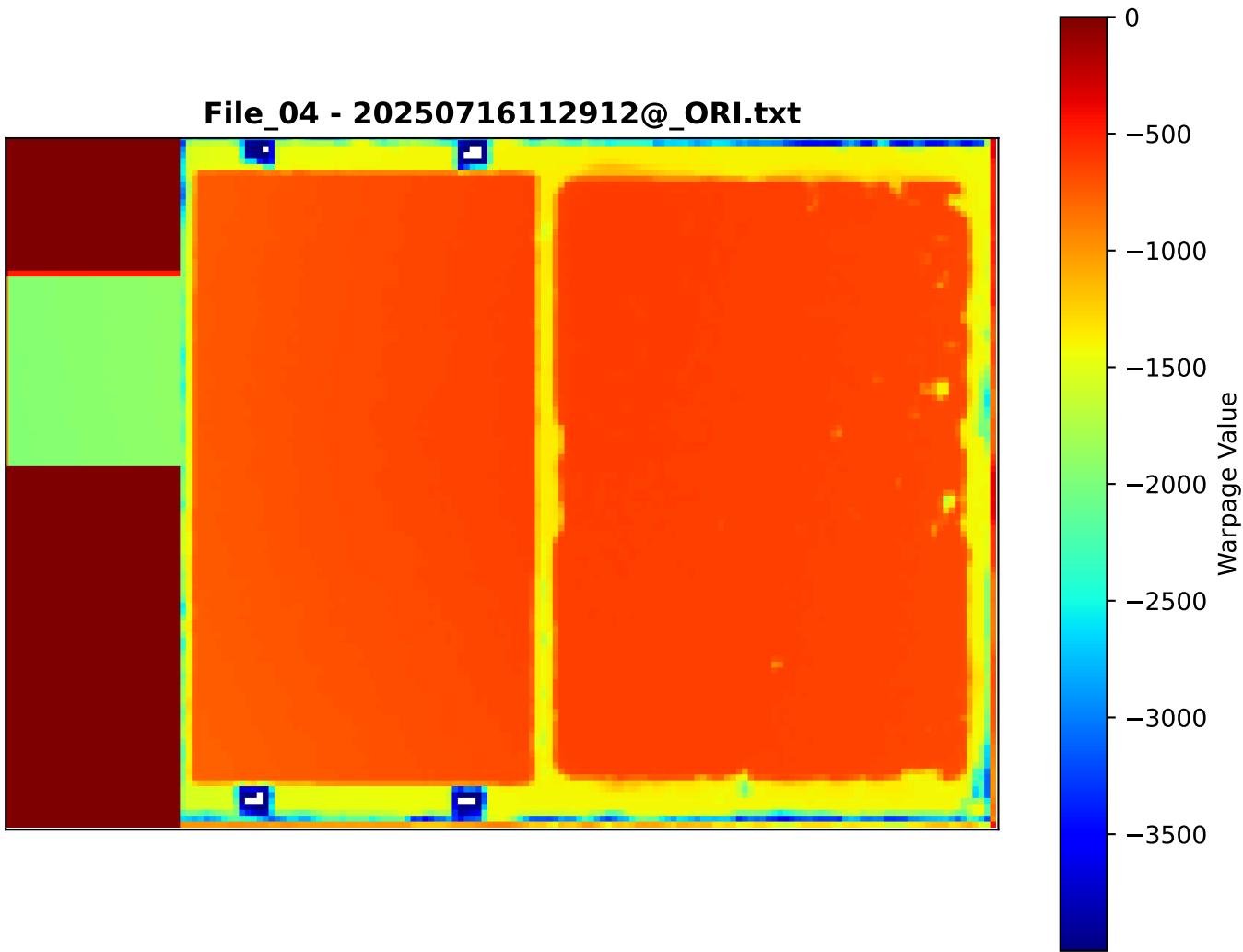
Shape: (144, 138)  
Min: -3999.700000  
Max: 0.000000  
Mean: -702.412079  
Std: 510.898366

File\_03 - 20250716112716@\_ORI.txt



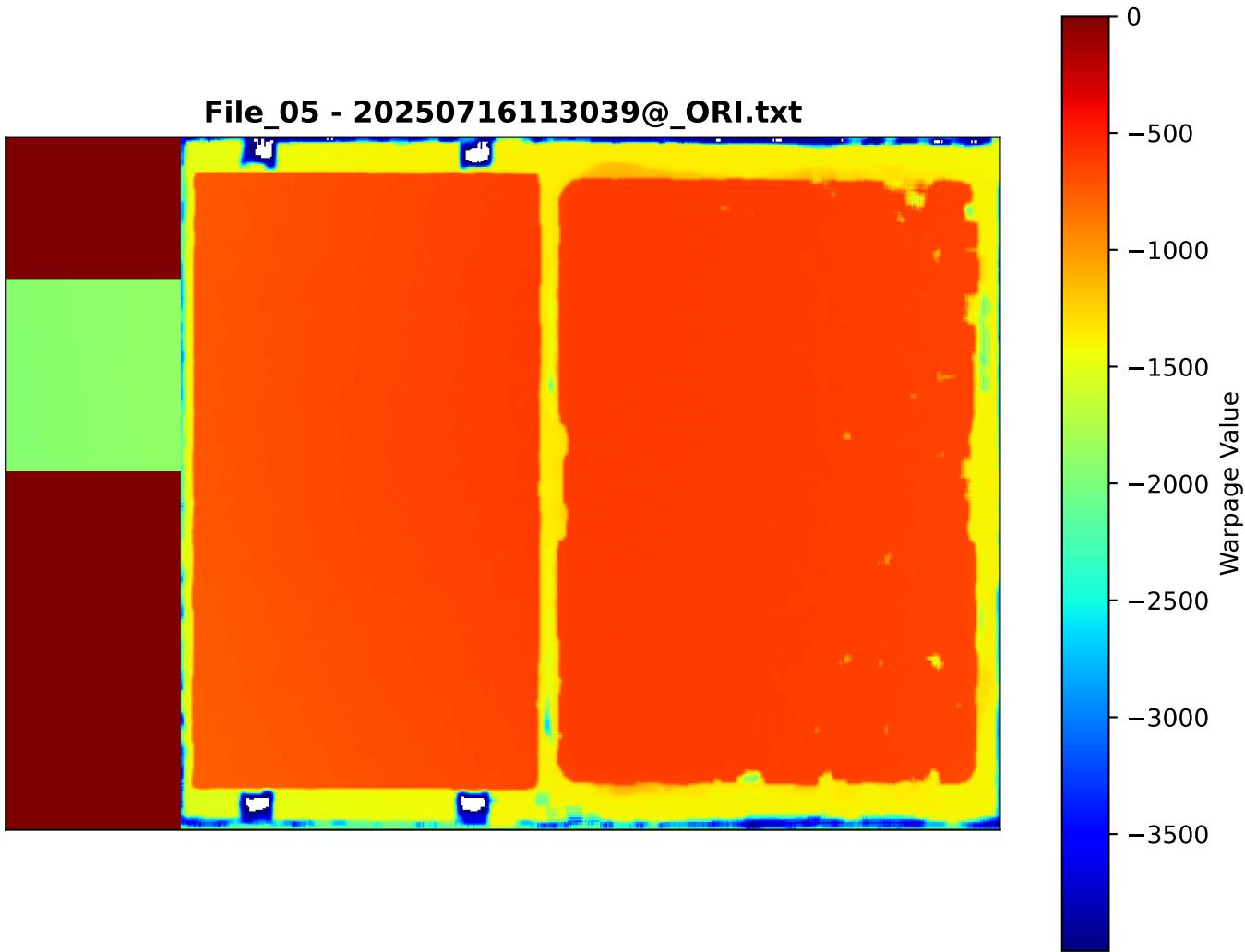
Shape: (117, 168)  
Min: -3999.900000  
Max: 0.000000  
Mean: -795.529227  
Std: 571.633812

File\_04 - 20250716112912@\_ORI.txt

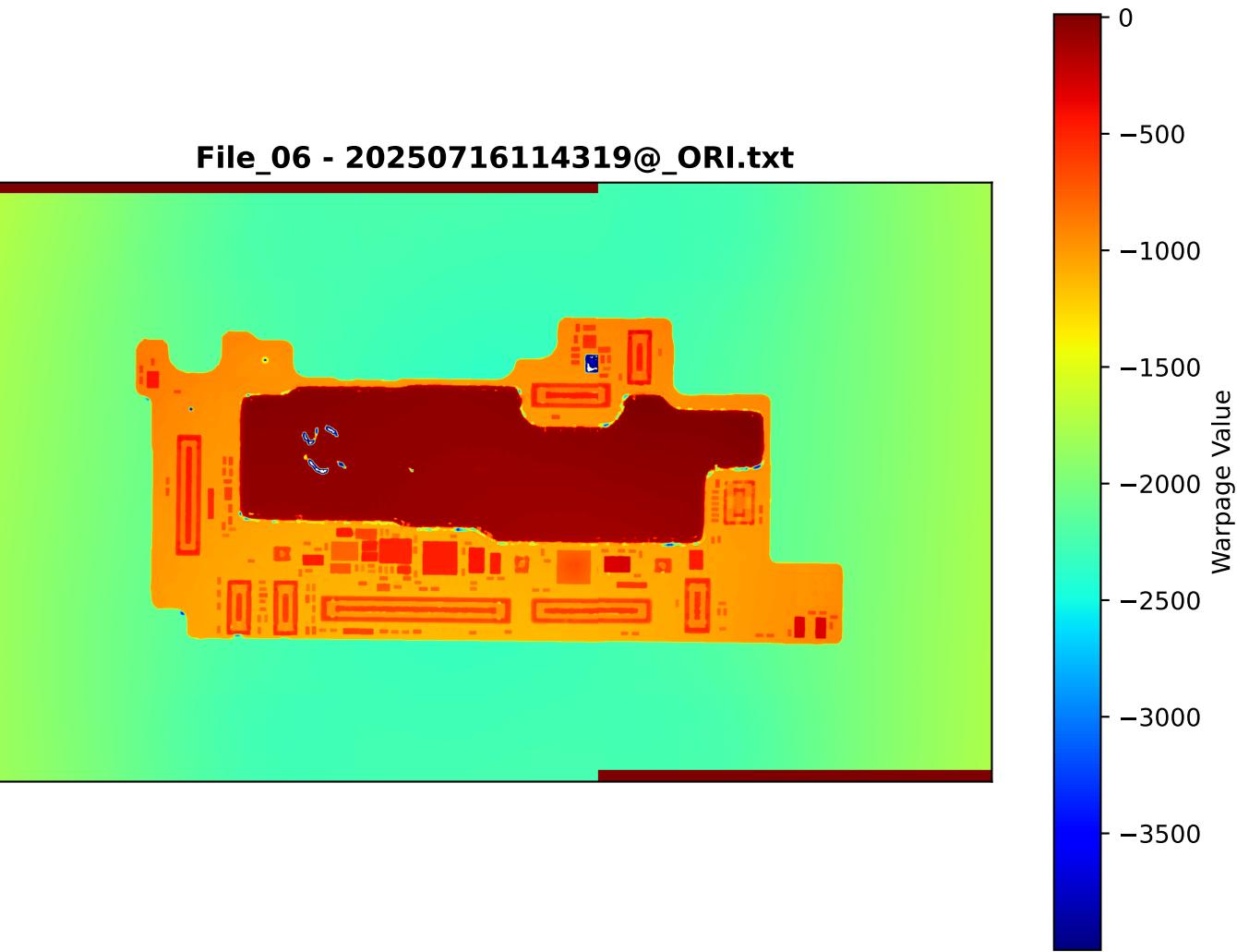


Shape: (465, 667)  
Min: -3999.900000  
Max: 0.000000  
Mean: -791.471327  
Std: 594.251360

File\_05 - 20250716113039@\_ORI.txt

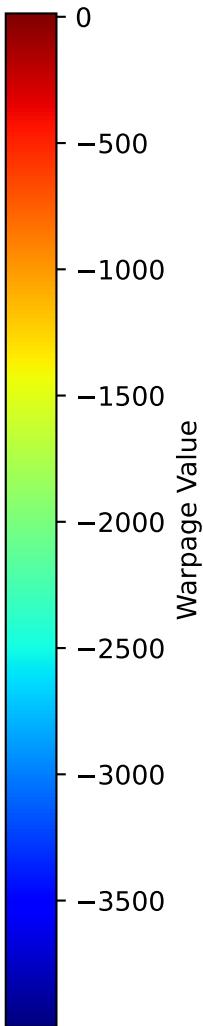
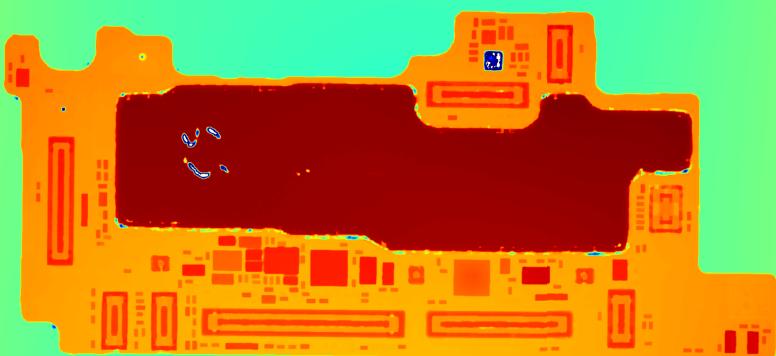


Shape: (1528, 2537)  
Min: -3999.900000  
Max: 12.400000  
Mean: -1612.759239  
Std: 761.823085

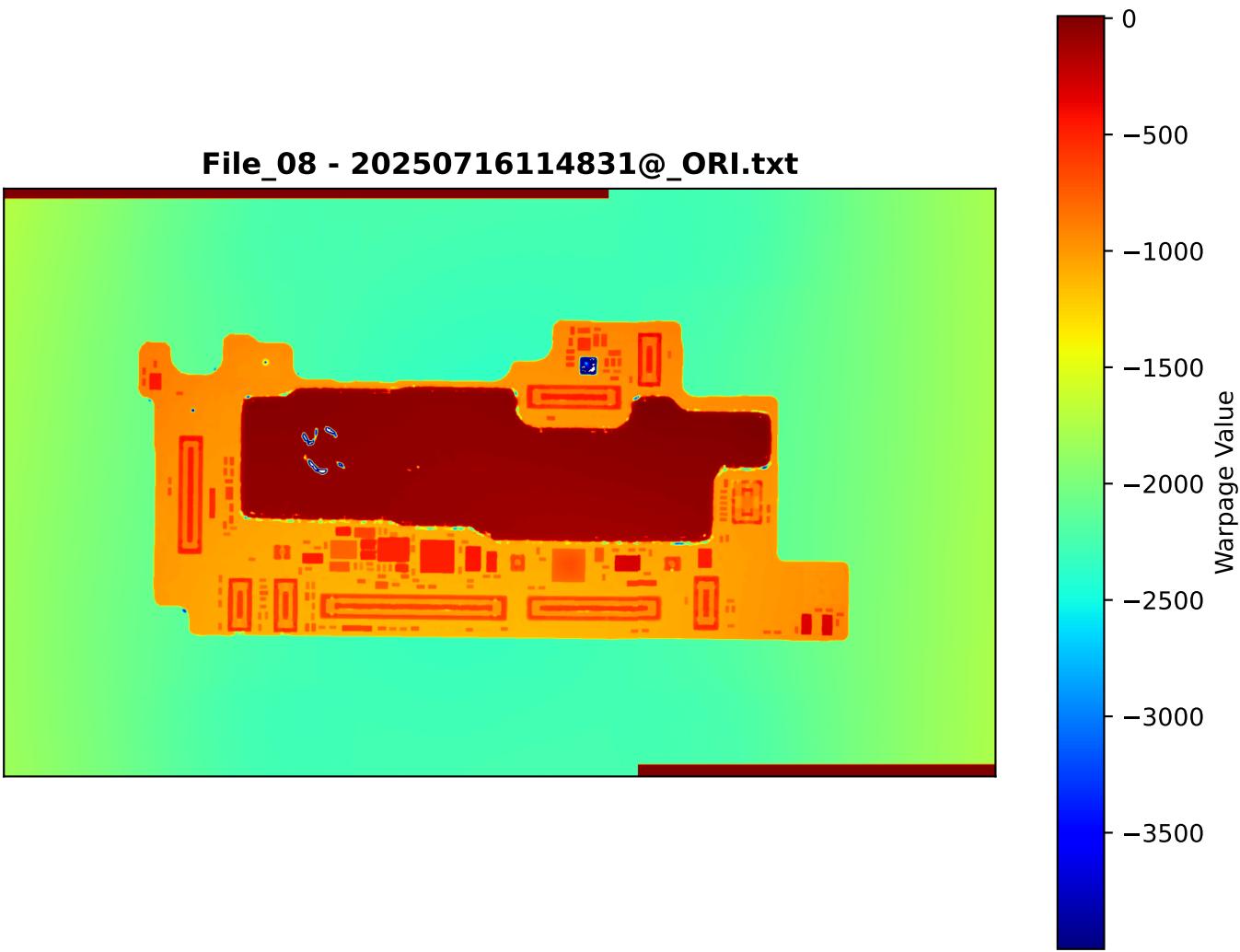


Shape: (1528, 2576)  
Min: -3999.900000  
Max: 13.300000  
Mean: -1608.337178  
Std: 764.820296

File\_07 - 20250716114413@\_ORI.txt

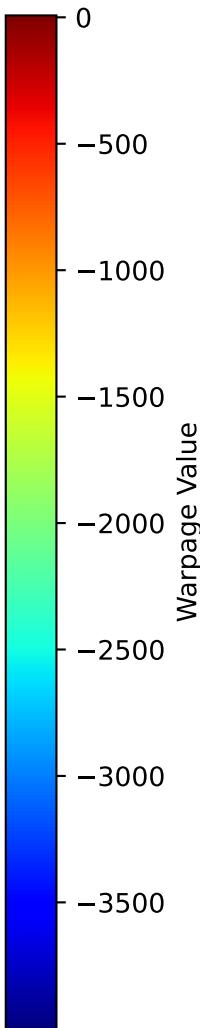
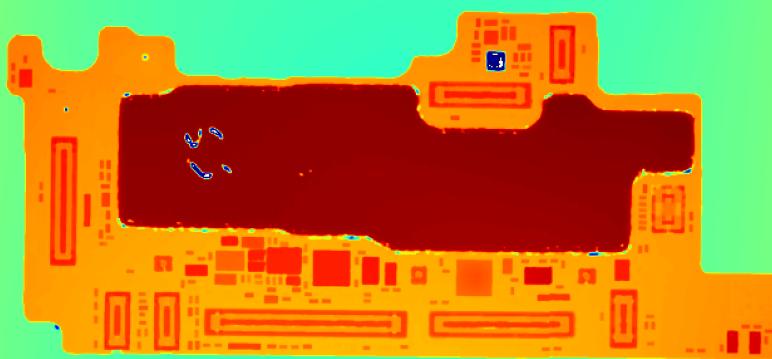


Shape: (764, 1289)  
Min: -3999.900000  
Max: 9.100000  
Mean: -1609.876869  
Std: 764.300189

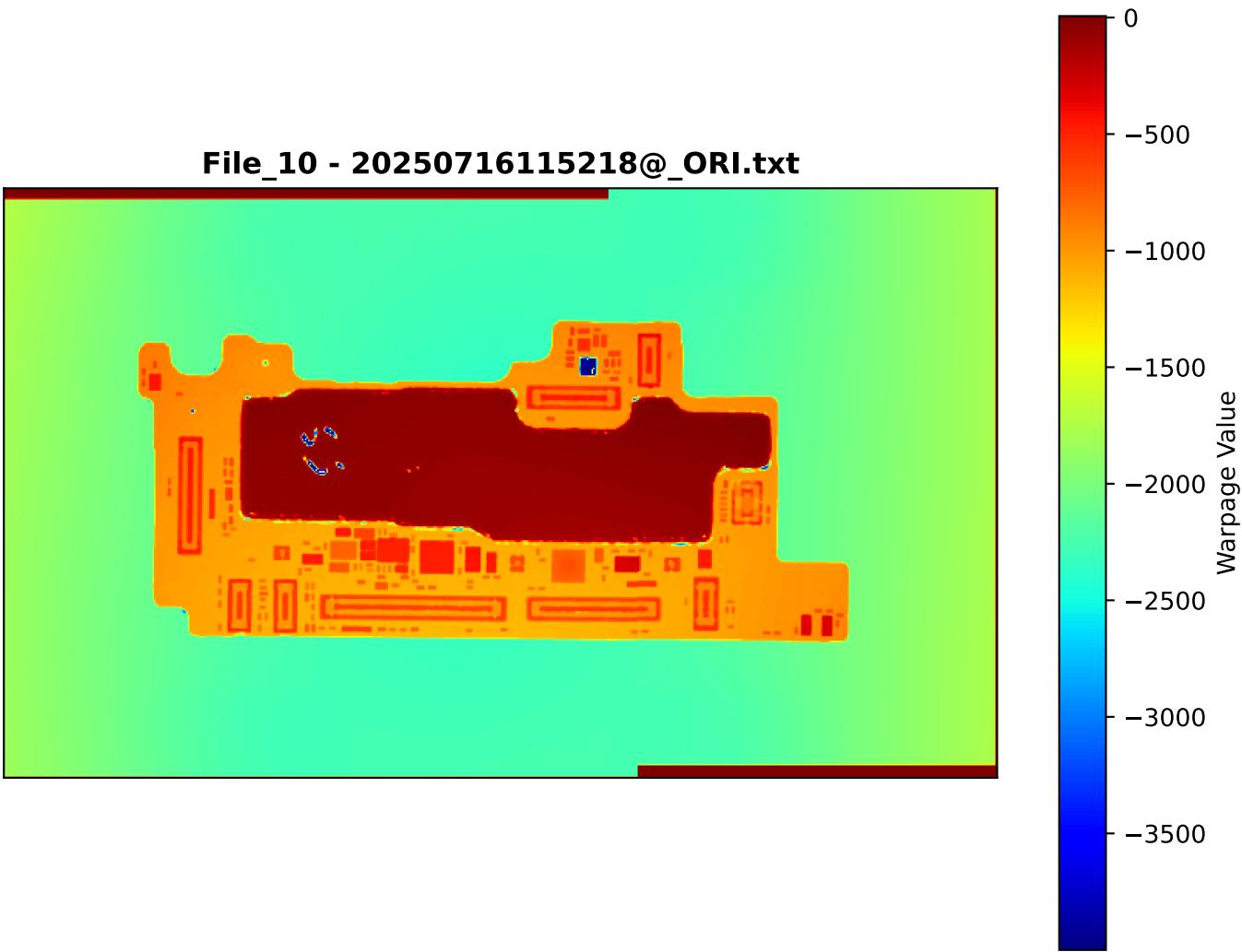


Shape: (510, 859)  
Min: -3999.900000  
Max: 7.400000  
Mean: -1610.078356  
Std: 765.025678

File\_09 - 20250716115134@\_ORI.txt

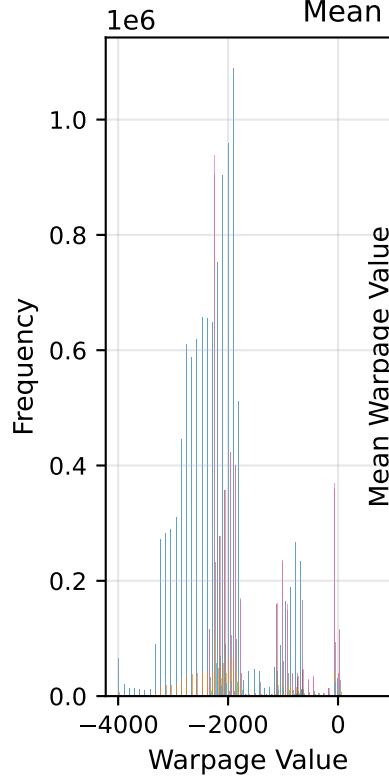


Shape: (383, 645)  
Min: -3999.900000  
Max: 6.100000  
Mean: -1606.342598  
Std: 765.504206

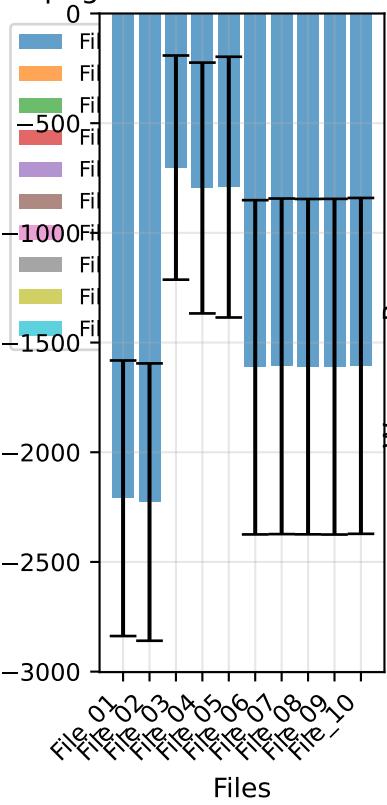


# Statistical Comparison - Warpage Analysis

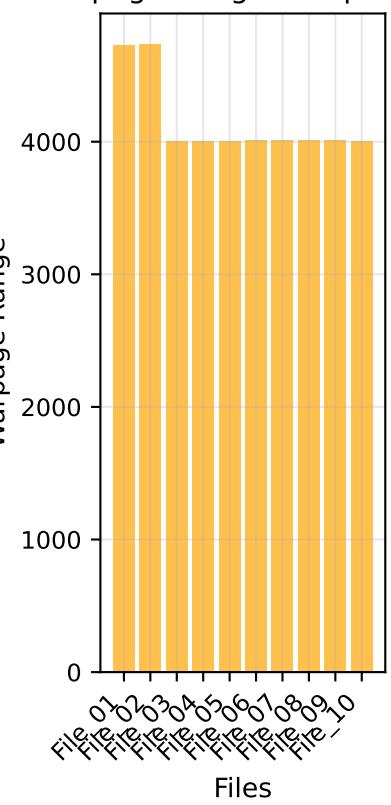
Warpage Distribution Comparison



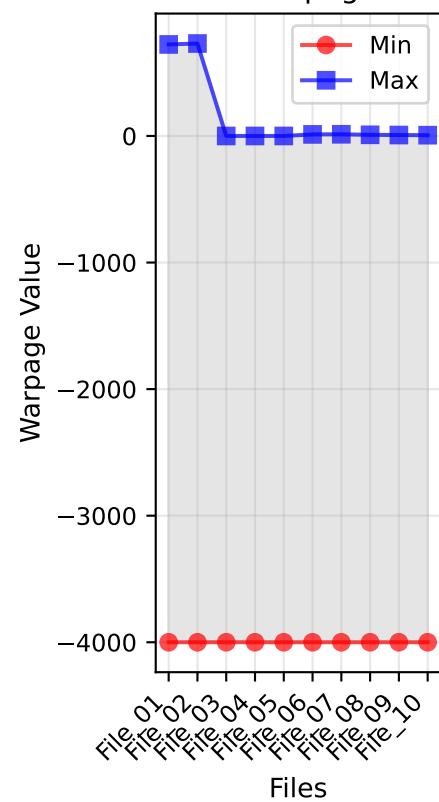
Mean Warpage Values with Standard Deviation



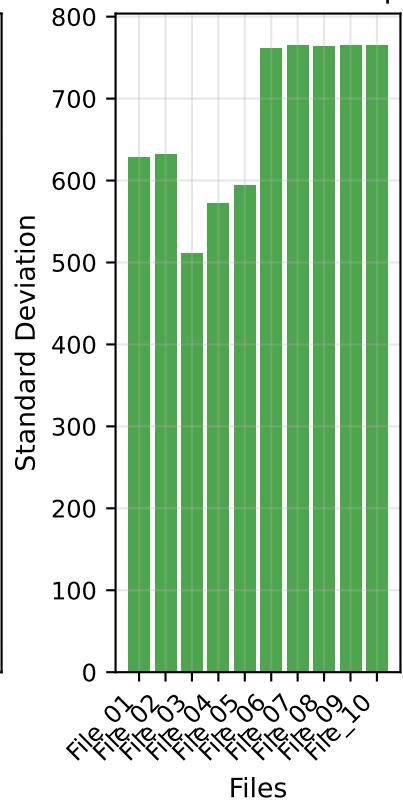
Warpage Range Comparison



Min-Max Warpage Values



Standard Deviation Comparison



Data Size Comparison

