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EXTENSOMETER CRACK MONITORING ANALYSIS  
COMPREHENSIVE REPORT

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ANALYSIS PERIOD:  
Start Date: 2025-07-20  
End Date: 2025-10-17  
Duration: 89 days  
Total Records: 90

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CRACK OPENING STATISTICS

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CRACK OPENING:  
Mean: 1.3046 mm  
Min: 0.2708 mm  
Max: 2.6852 mm  
Std Deviation: 0.6364 mm

CUMULATIVE OPENING:  
Total: 117.4157 mm  
Average Rate: 1.3046 mm/day

CRACK RATE:  
Mean: 0.0237 mm/day  
Max: 0.3942 mm/day

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RISK ASSESSMENT

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Risk Distribution:  
High : 70 records (77.8%)  
Low : 10 records (11.1%)  
Medium : 10 records (11.1%)

Critical Events: 75  
High Risk Days: 70

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DATA QUALITY

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Completeness: 100.0%  
Monitoring Points: Multiple locations  
Measurement Freq: Daily

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FILES GENERATED

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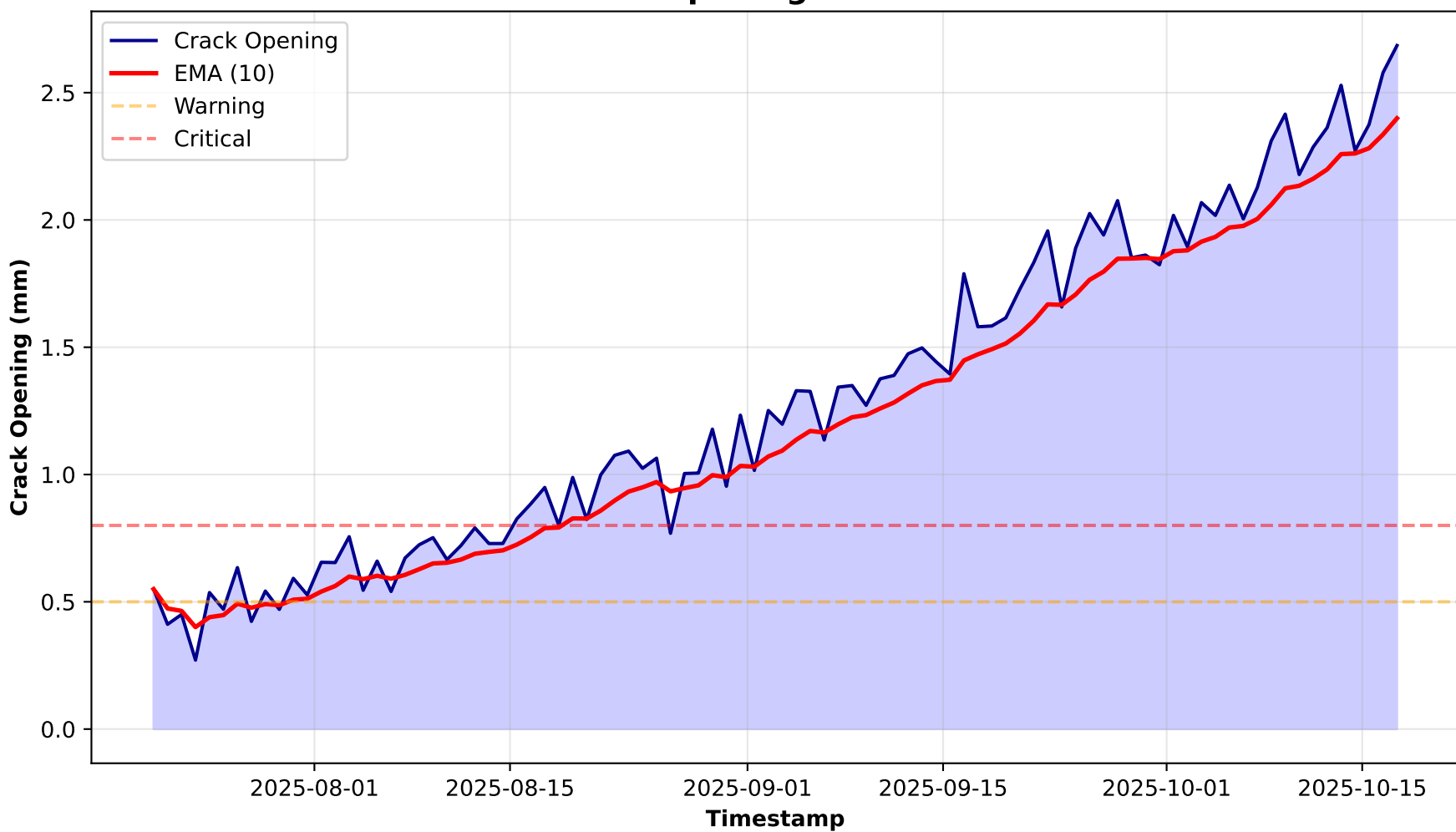
✓ Predictions: c:\Users\rkste\Desktop\AI Rockfall Prediction\Upload\Extensometer\Analysis\extensometer\_predictions.csv  
✓ Dashboard JSON: c:\Users\rkste\Desktop\AI Rockfall Prediction\Upload\Extensometer\Analysis\dashboard.json  
✓ PDF Report: c:\Users\rkste\Desktop\AI Rockfall Prediction\Upload\Extensometer\Report\extensometer\_report.pdf

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☐ Extensometer Analysis Complete!  
☐ All crack monitoring data processed and analyzed!

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### Crack Opening Over Time



### Cumulative Crack Opening

