Original Datasets
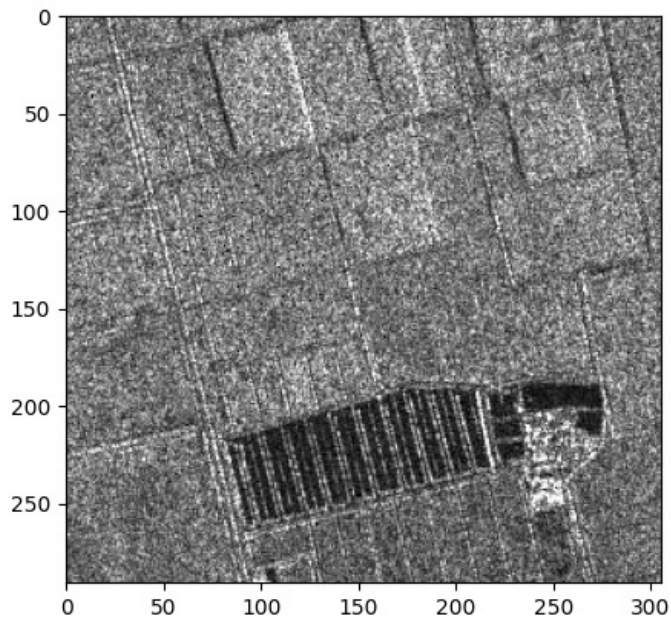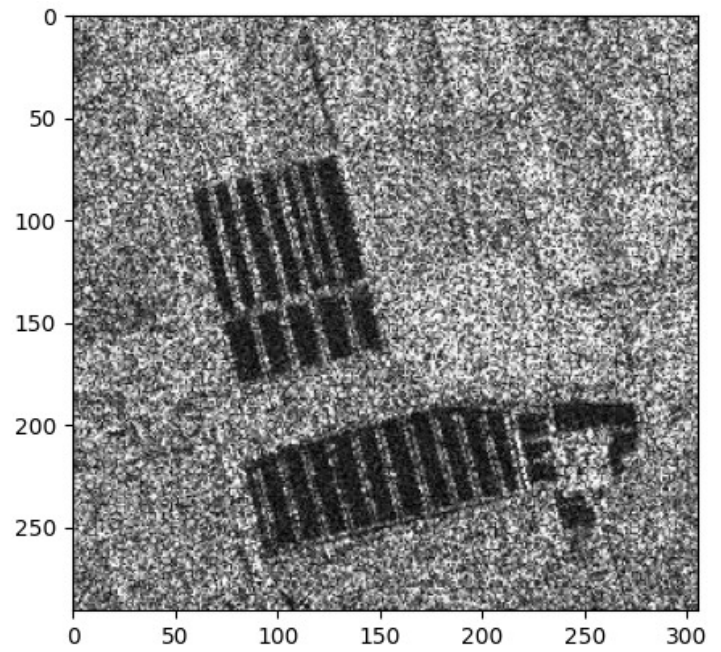

(a) Yellow River, Date 1

(b) Yellow River, Date 2
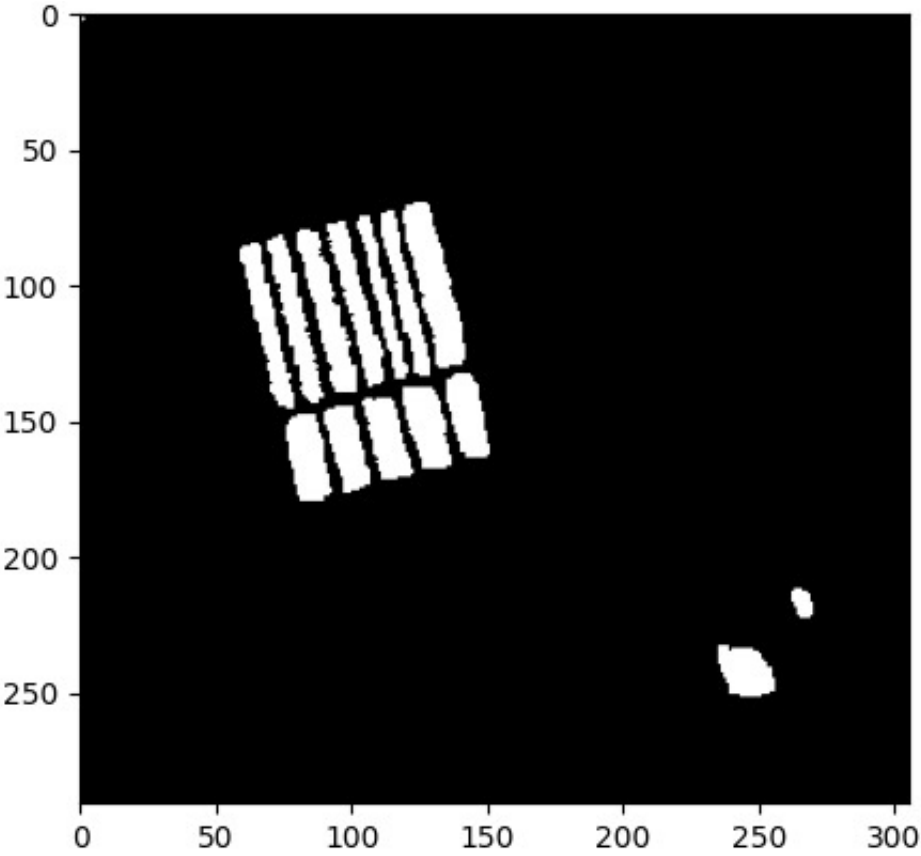

(c) Ottawa , Date 1

(d) Ottawa, Date 2

Figure 1: Original Images for Dataset 1
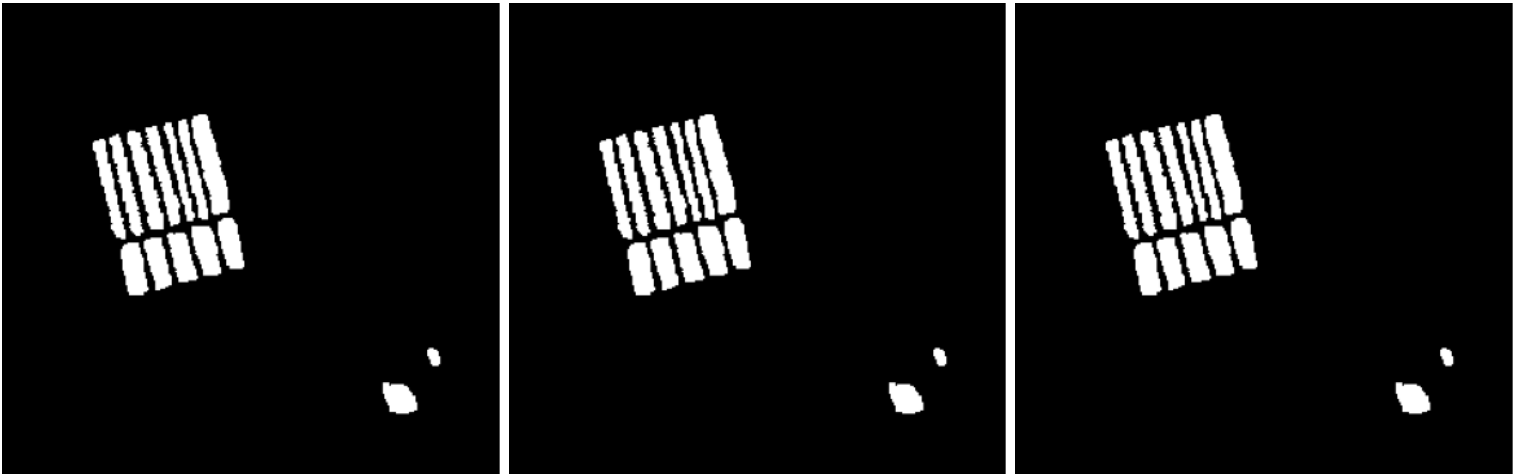
Expected Change Maps
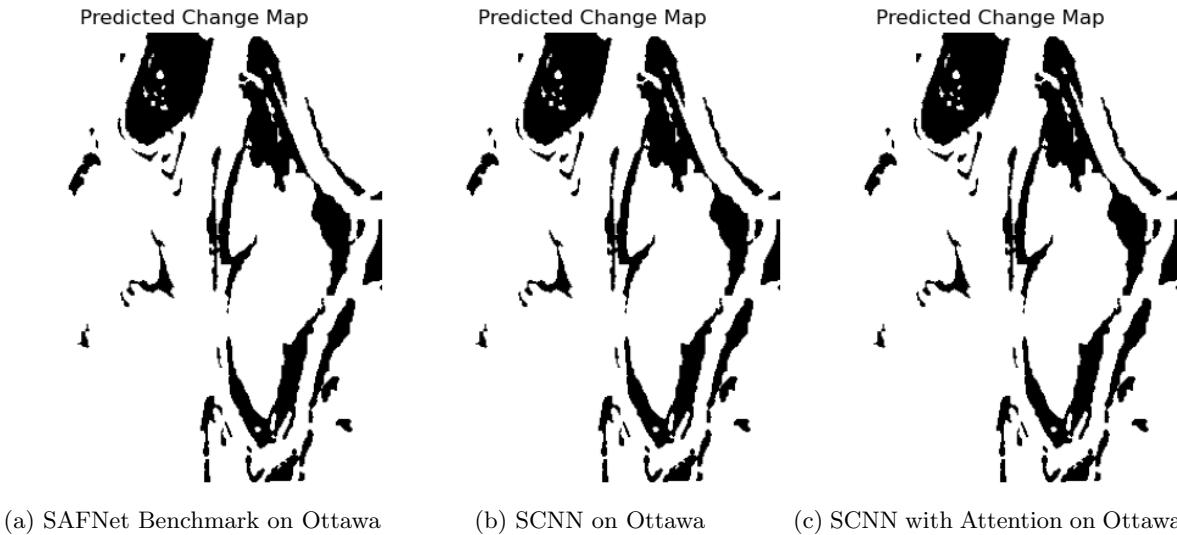

(a) Yellow River

(b) Ottawa

Figure 2: Expected Change Maps

Predicted Change Maps and Metrics

(a) SAFNet Benchmark on Yellow River (b) SCNN on Yellow River (c) SCNN with Attention on Yellow River

Figure 3: Predicted Change Maps

(a) SAFNet Benchmark on Ottawa (b) SCNN on Ottawa (c) SCNN with Attention on Ottawa

Figure 4: Predicted Change Maps

Metric	Ottawa	Yellow River
False Positives	0	0
False Negatives	0	193
Precision	1	0.9167321330920462
Recall	1	0.9574612958715596
F1 Score	1	0.9366541601874906
Accuracy (%)	100	95.75
Kappa	1	0.96

Table 1: SAFNet Benchmark

Metric	Ottawa	Yellow River
False Positives	0	0
False Negatives	0	193
Precision	1	0.9167321330920462
Recall	1	0.9574612958715596
F1 Score	1	0.9366541601874906
Accuracy (%)	100	95.75
Kappa	1	0.96

Table 2: SCNN

Metric	Ottawa	Yellow River
False Positives	0	0
False Negatives	0	193
Precision	1	0.9167321330920462
Recall	1	0.9574612958715596
F1 Score	1	0.9366541601874906
Accuracy (%)	100	95.75
Kappa	1	0.96

Table 3: SCNN with Attention