**Remote Sensing and Satellite Imagery**

**Change Detection**

Project - Final Report

**Team 4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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**1. Deep Learning Results**

|  |  |  |
| --- | --- | --- |
| **Model** | **Jaccard Score** | |
| **Training** | **Validation** |
| Basic UNet | 81% | 77% |
| Diff UNet | 81% | 79% |
| Siamase Nester UNet |  |  |

**Hyper Parameters:**

*Learning Rate:* Start with 0.001 and the reduced each 10 steps with gamma = 0.2

*Threshold:* 0.3