

**Ground-based
infrared image**

Input



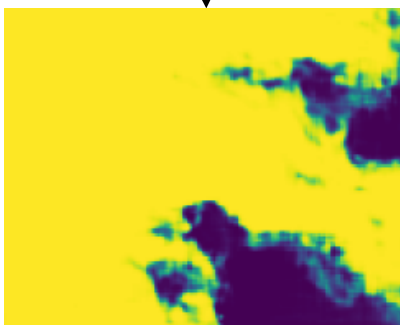
**Binary
classifier**

Cloudy
image

Clear sky
image

**Modified
U-Net**

Output



**Probabilistic
segmentation
map**