

# Appendix: Datasets Illustration and Experiment Results for Paper *Unsupervised Multitemporal Building Change Detection Based on Cosegmentation Using Time-Series SAR*

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# 1 Original Datasets

## 1.1 Original Data 1

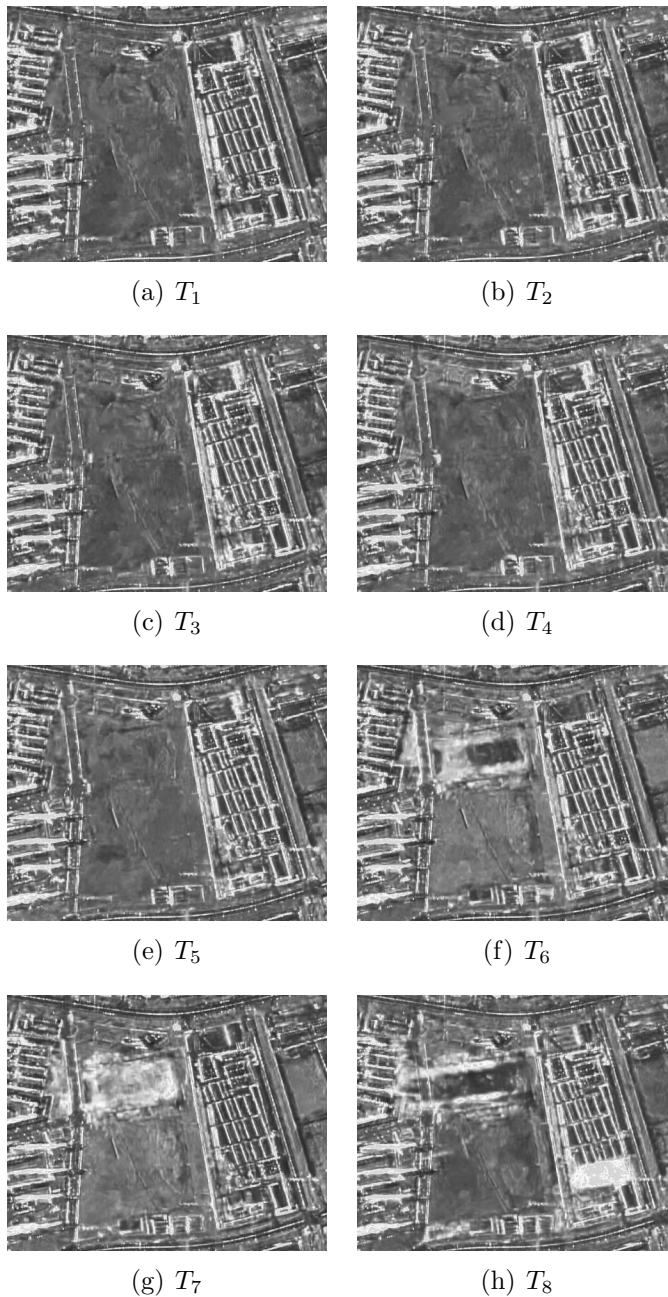


Figure 1: Original Data 1

## 1.2 Original Data 2

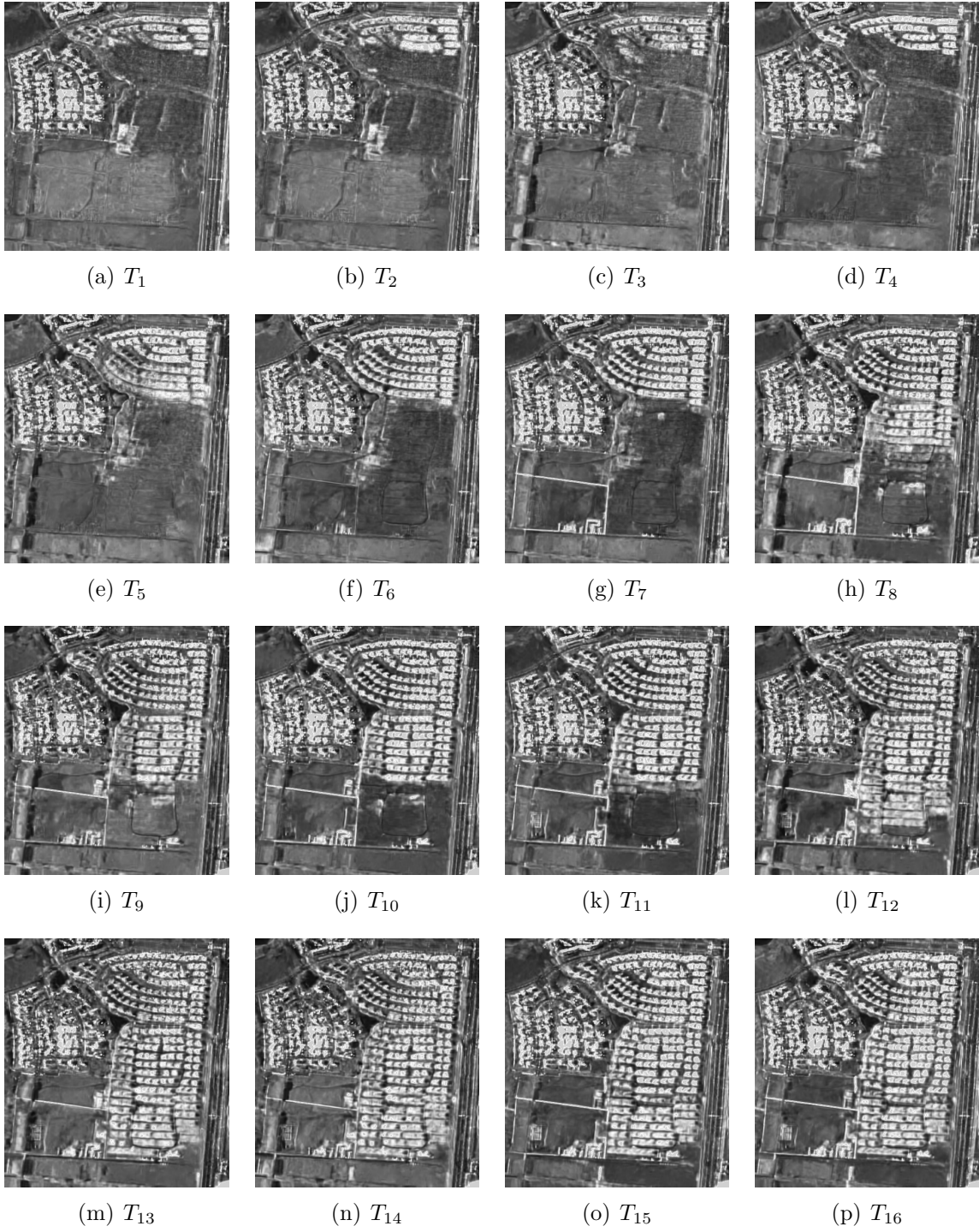


Figure 2: Original Data 2

## 2 Change Frequency Maps(CFM)

### 2.1 CFM of Data 1

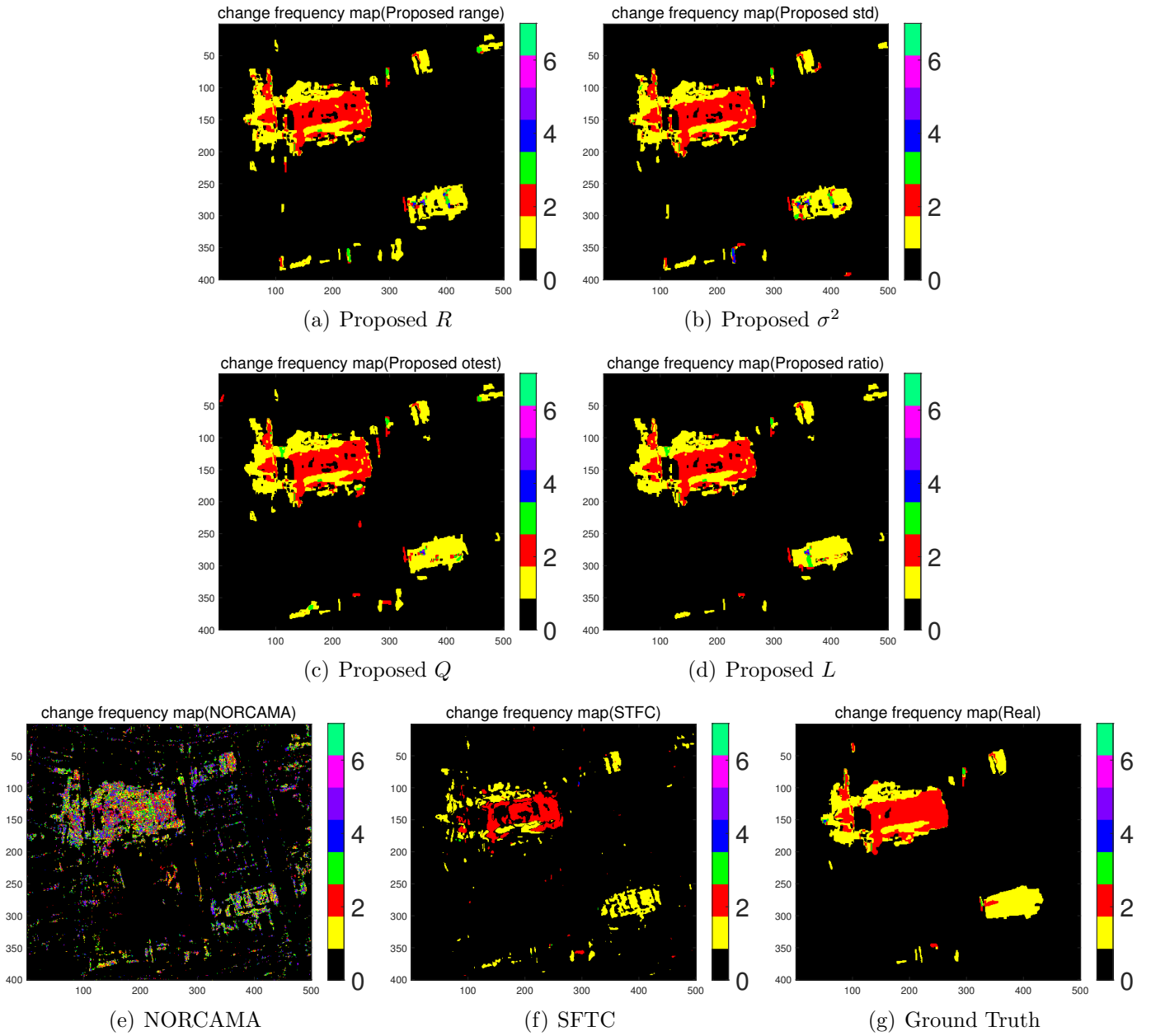


Figure 3: Change Frequency Maps(CFM) of data 1

## 2.2 CFM of Data 2

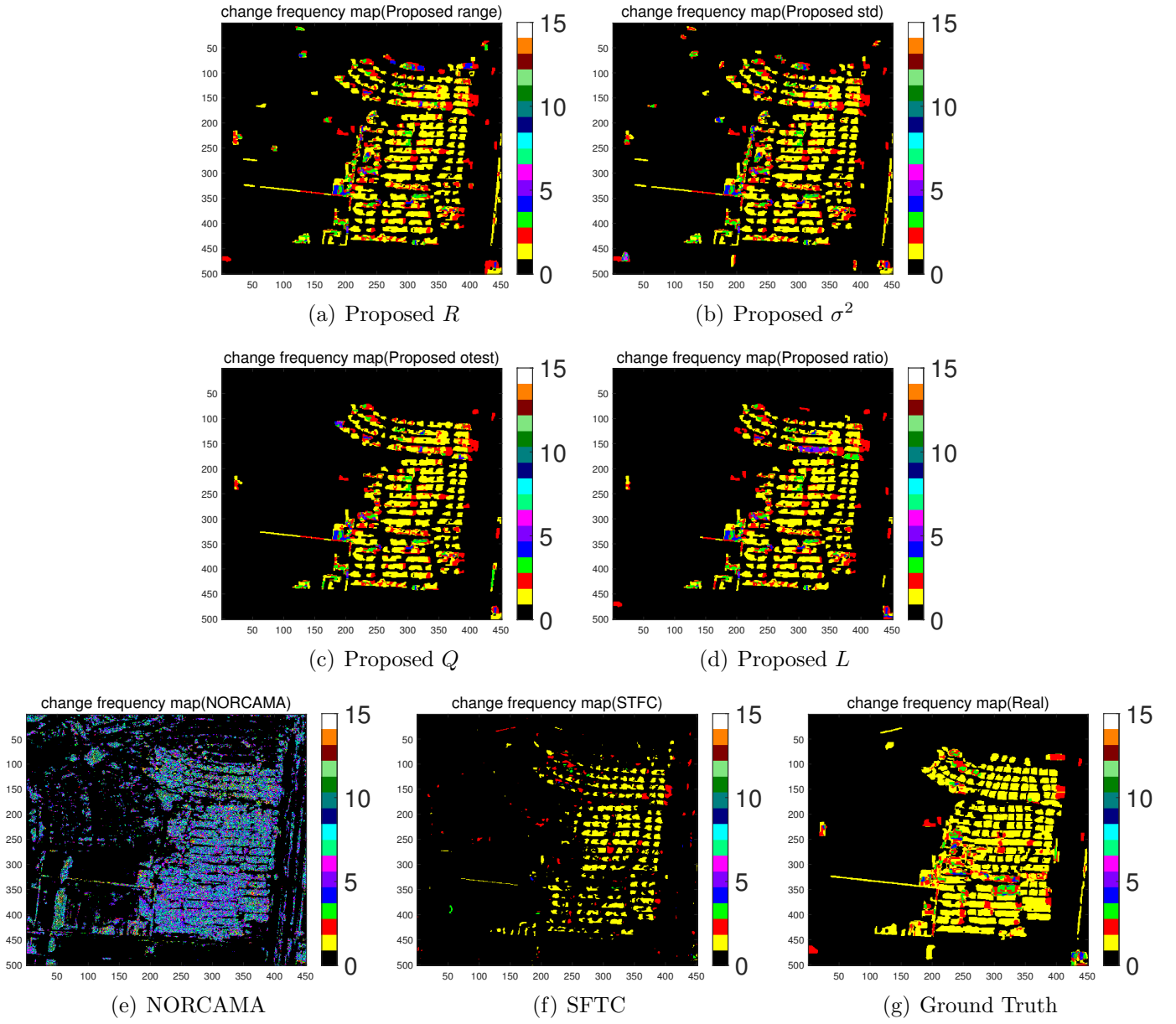
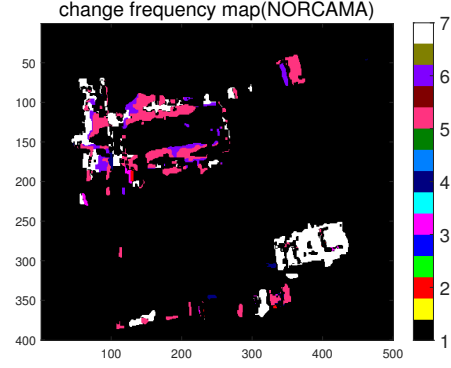


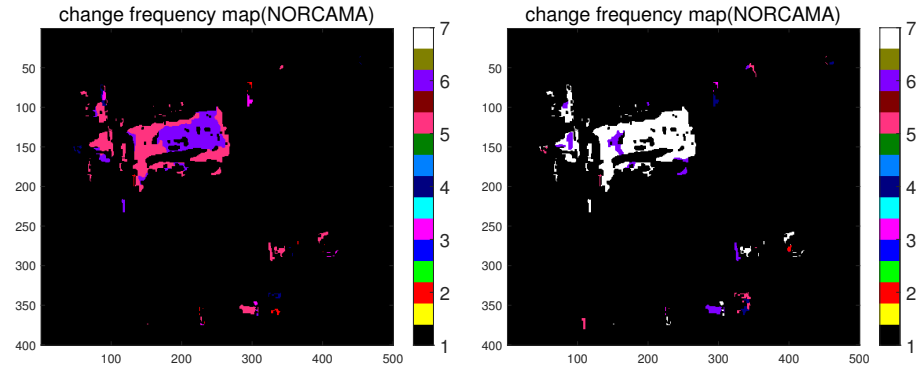
Figure 4: Change Frequency Maps(CFM) of data 2

### 3 Change Moments Maps(CMMs)

#### 3.1 CMMs of Data 1

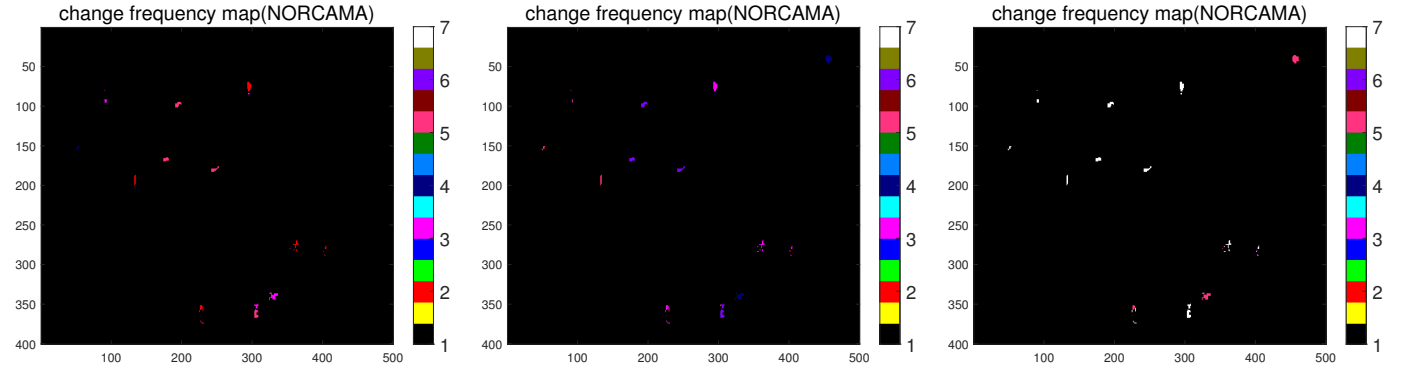


(a) The 1st change for objects that  $CF = 1$



(b) The 1st change for objects that  $CF = 2$

(c) The 2ed change for objects that  $CF = 2$



(d) The 1st change for objects that  $CF = 3$

(e) The 2nd change for objects that  $CF = 3$

(f) The 3rd change for objects that  $CF = 3$

Figure 5: Change Moments Maps(CMMs)( $CF \leq 3$ ) of data 1

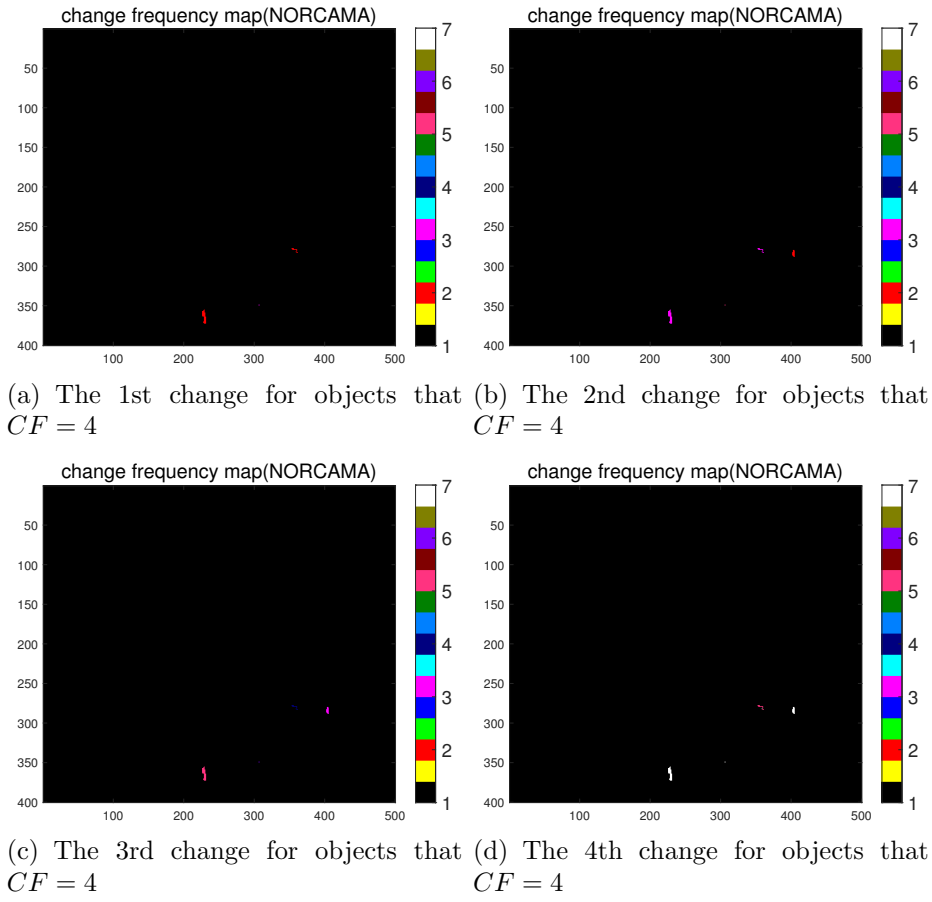


Figure 6: Change Moments Maps(CMM)( $CF = 4$ ) of data 1

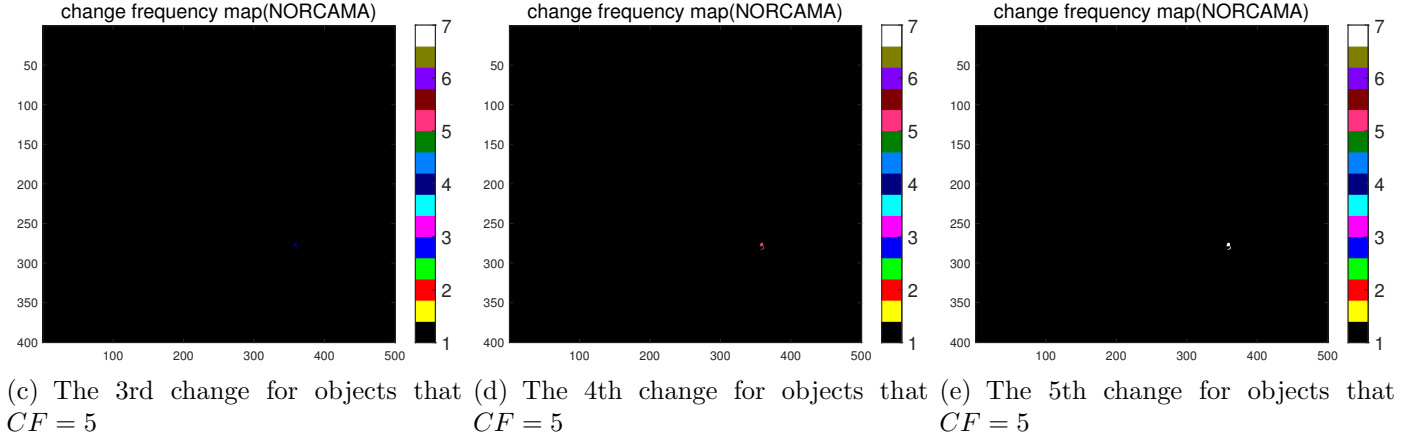
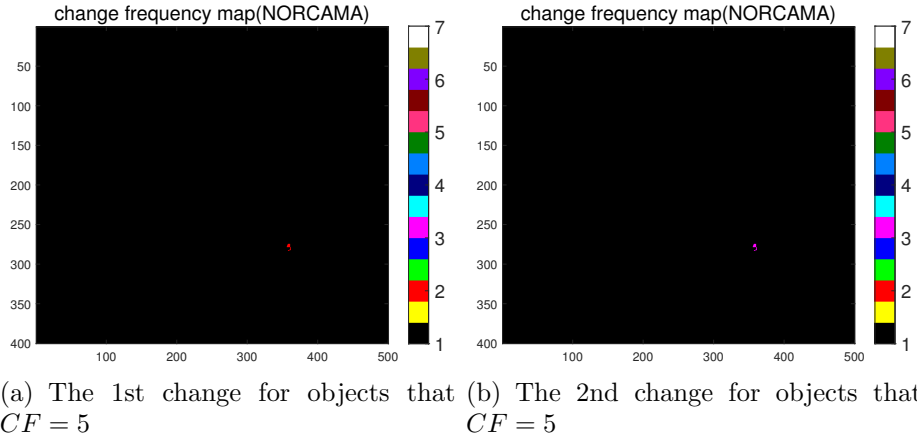


Figure 7: Change Moments Maps(CMMs)( $CF = 5$ ) of data 1



### 3.2 CMMs of Data 2

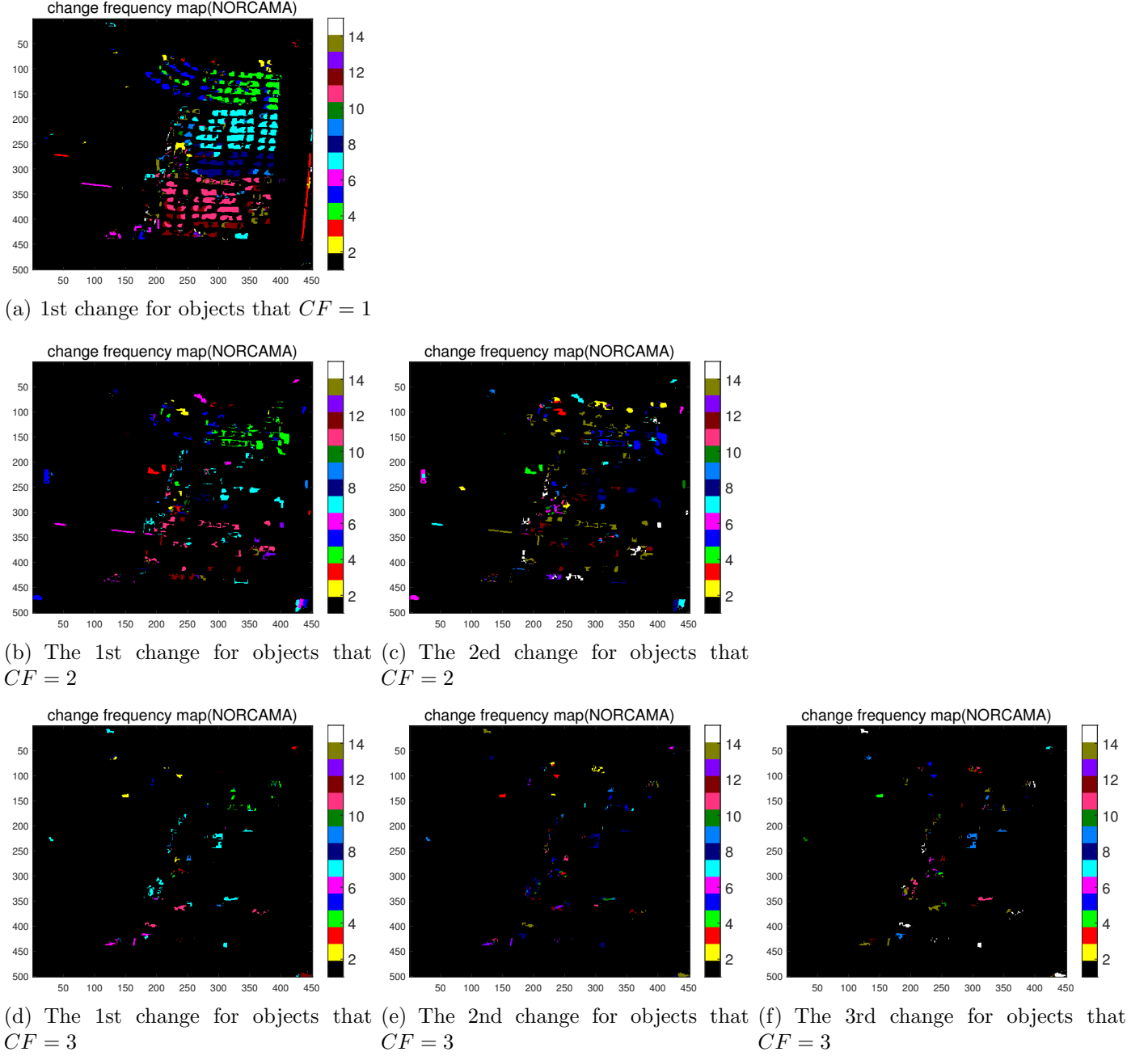


Figure 8: Change Moments Maps(CMMs)( $CF \leq 3$ ) of data 2

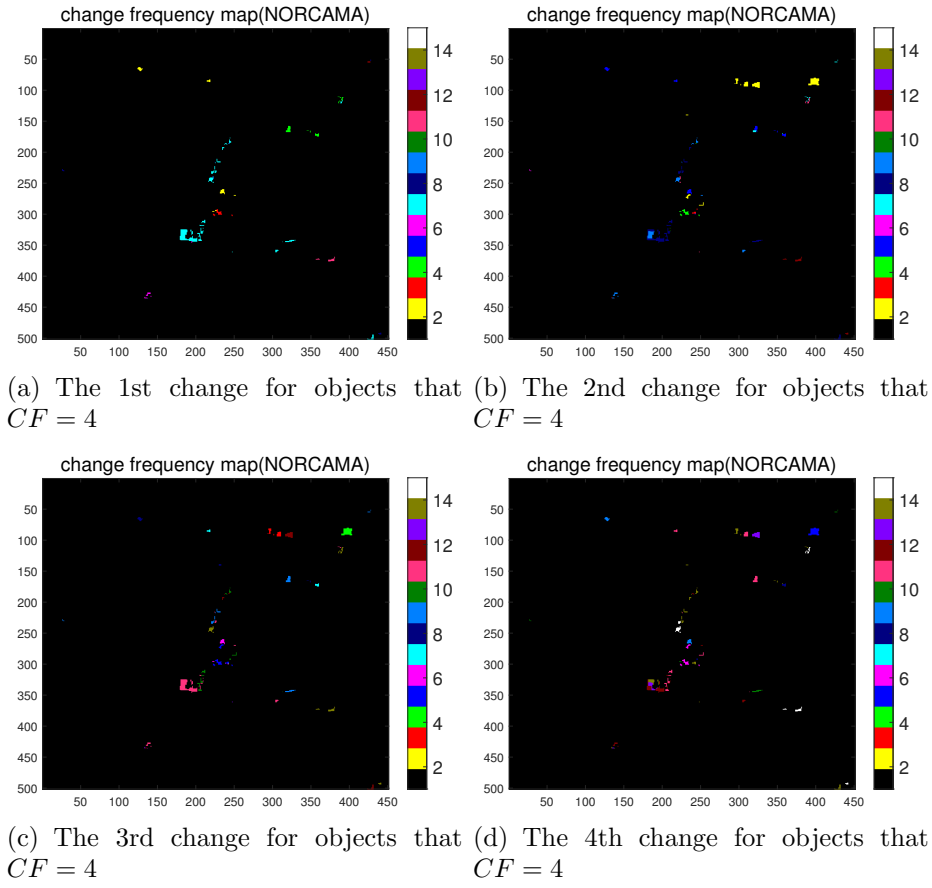


Figure 9: Change Moments Maps(CMMs)( $CF = 4$ ) of data 2

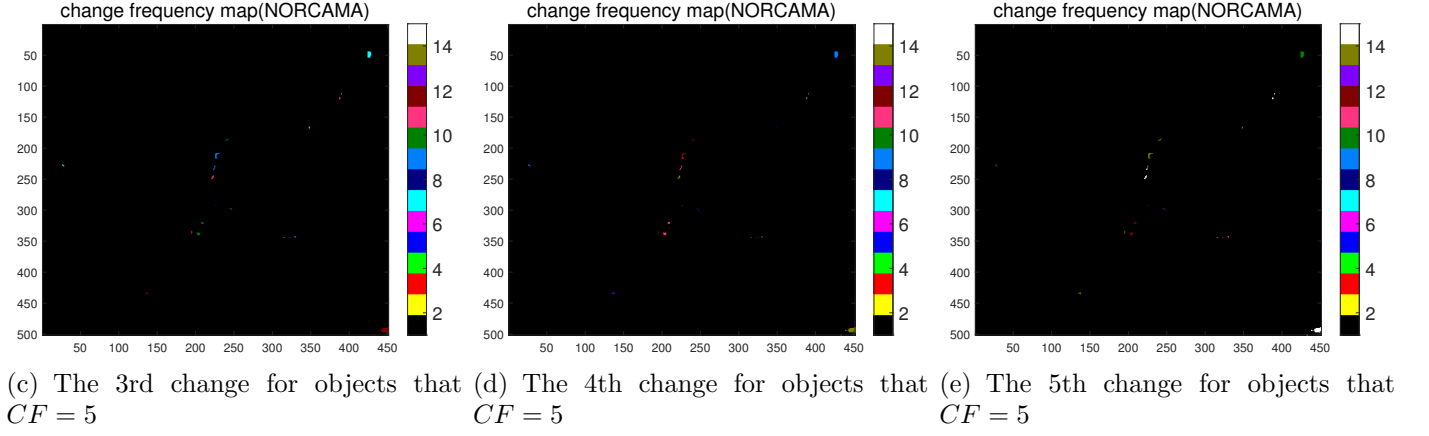
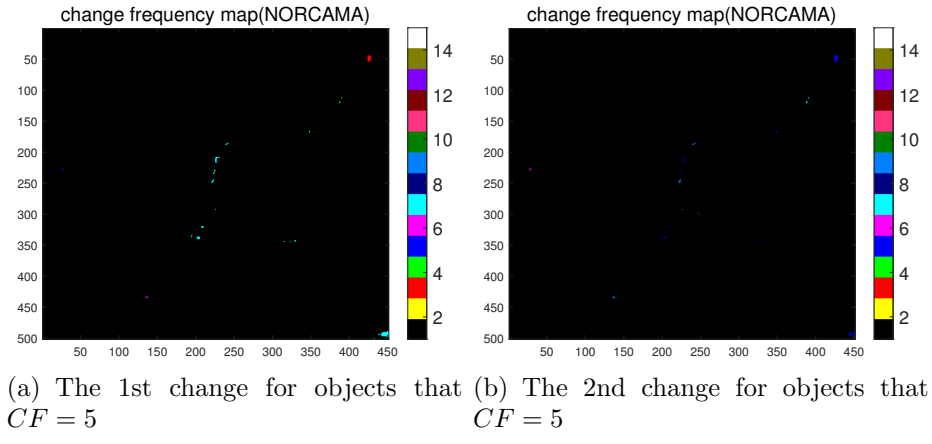


Figure 10: Change Moments Maps(CMMs)( $CF = 5$ ) of data 2

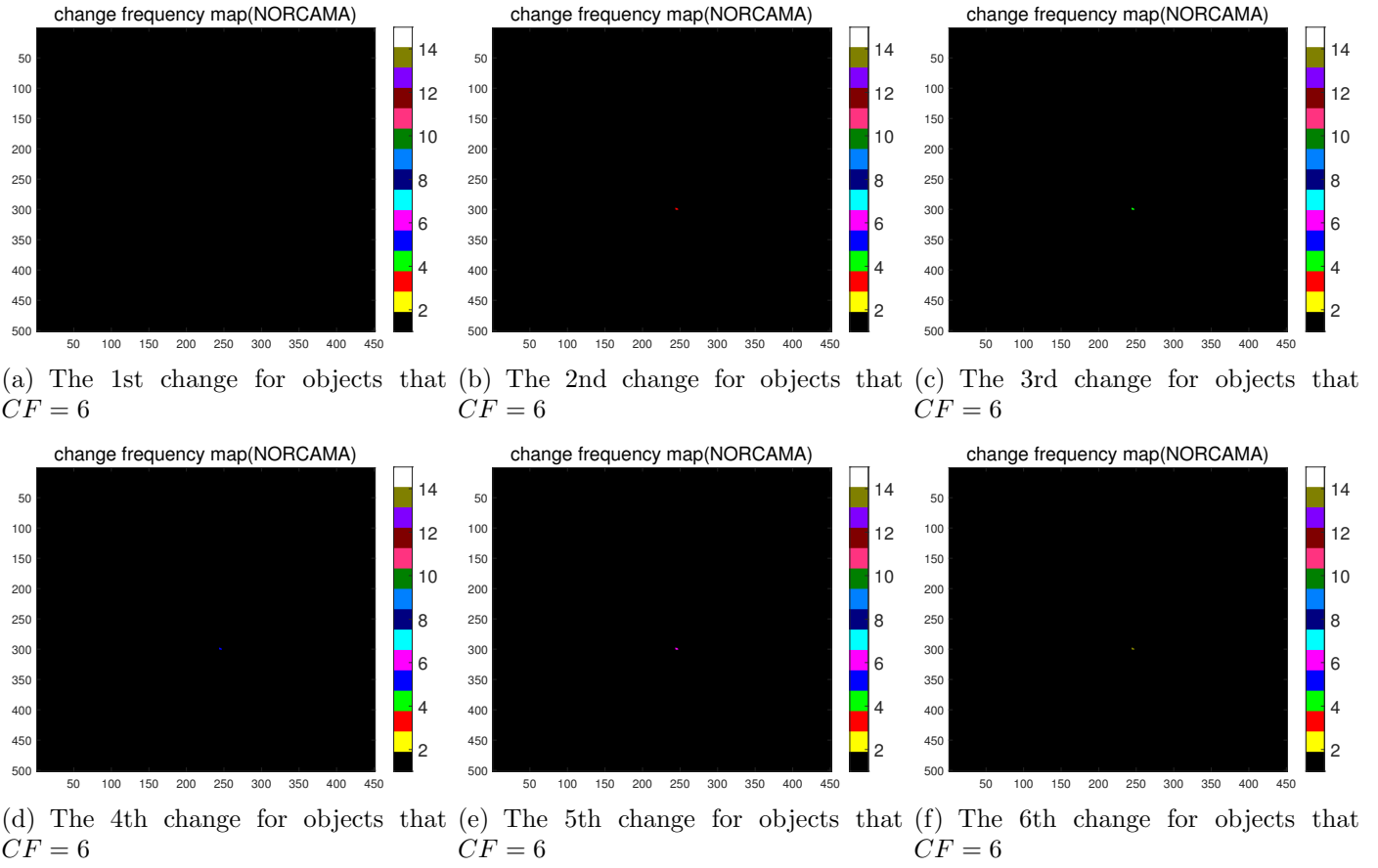


Figure 11: Change Moments Maps(CMMs)( $CF = 6$ ) of data 2