Diff

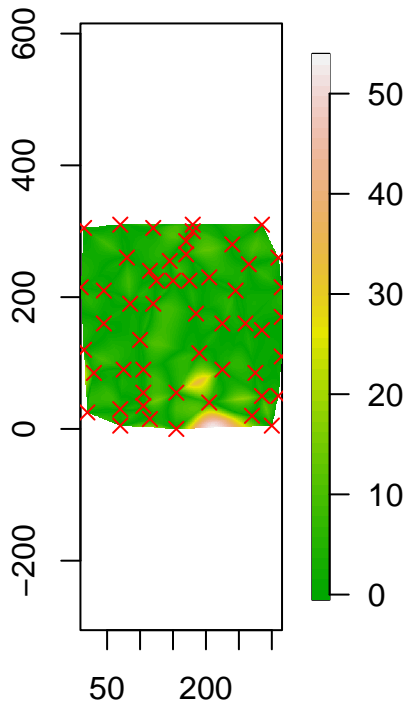**observation intensity**