

## 66 5. Estimated nocturnal sleep impairment in patients with COPD in daily life and its association with daytime physical activity

In the same way the falling edges of the model are matched with the closest rising edges of the standing epochs as in Figure 30.

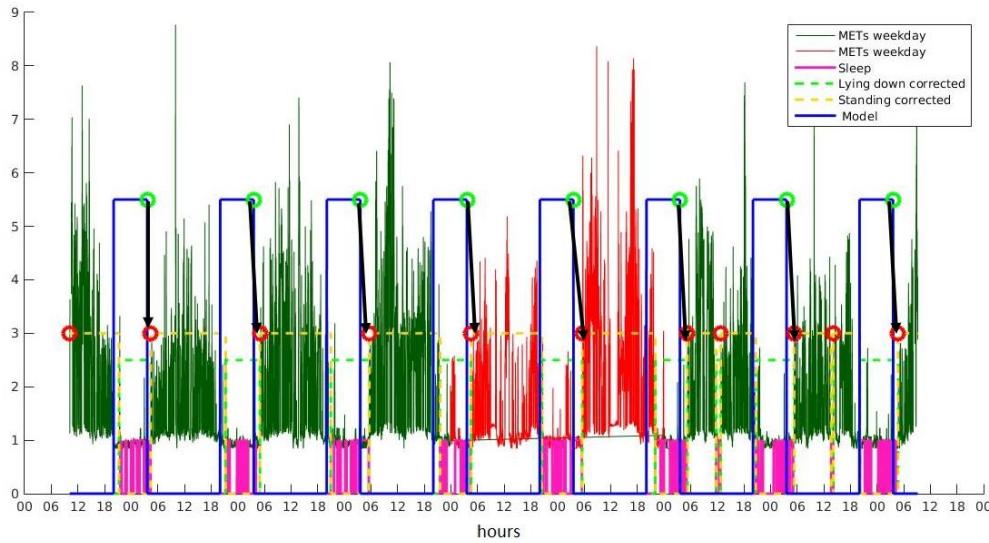


Figure 30 Finding the end of the time in bed epochs (lights on). The falling edges of the model (green circles) are matched with the closest rising edges of the standing epochs (red circles).

The model is then adapted as shown in Figure 31.

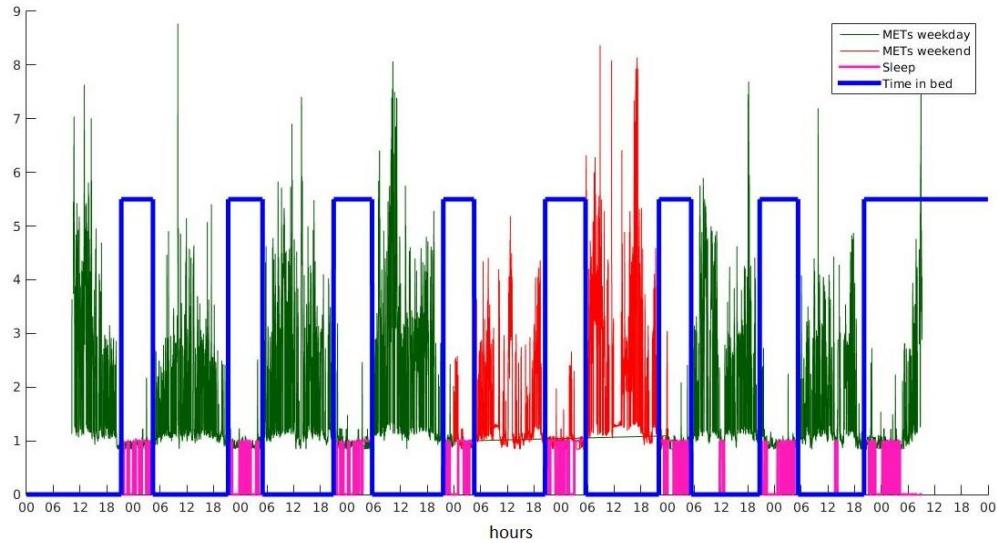


Figure 31 In blue: Segmentation of recorded days in time in bed (on segment of the blue line) and time out of bed (off segment of the blue line).