```
In [13]:  import pandas as pd
          import numpy as np
          import matplotlib.pyplot as plt
          path = '/Users/mateotoic/Desktop/ProjektR/Godina/2022/zones_20_year
          zone = pd.read_csv(path)
```

Prikaz temperature za svaku zonu

Već sam odredio koje sve zone pripadaju južnom dijelu zgrade pa ću taj podatak iskoristiti da prikažem svaku temperaturu kao

```
In [19]:  popis = [156, 157, 158, 159, 160, 161, 162, 163, 164,
                   165, 166, 167, 168]
```

```
In [22]:  zcop = zone.copy()
          zcop['timestamp'] = pd.to_datetime(zcop['timestamp'])

          zone_sort = zcop.sort_values(by='timestamp')
```
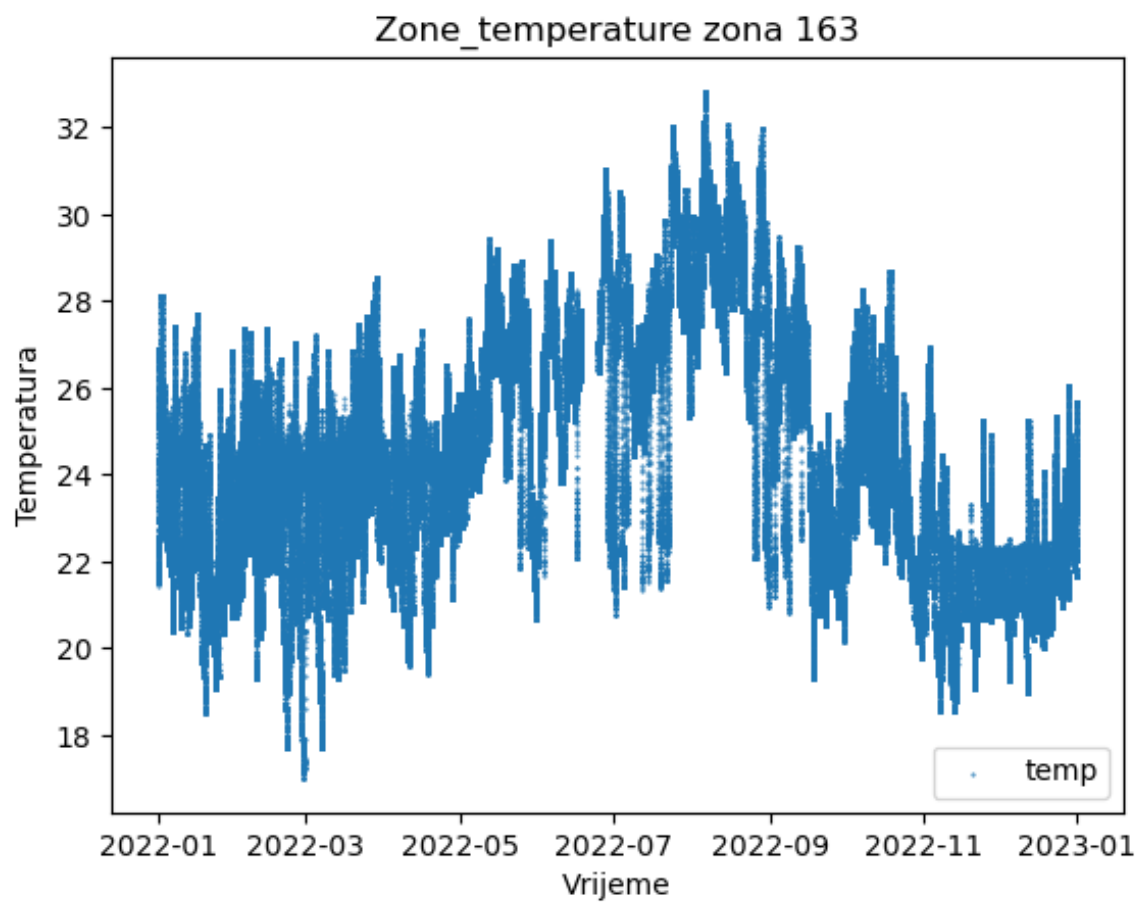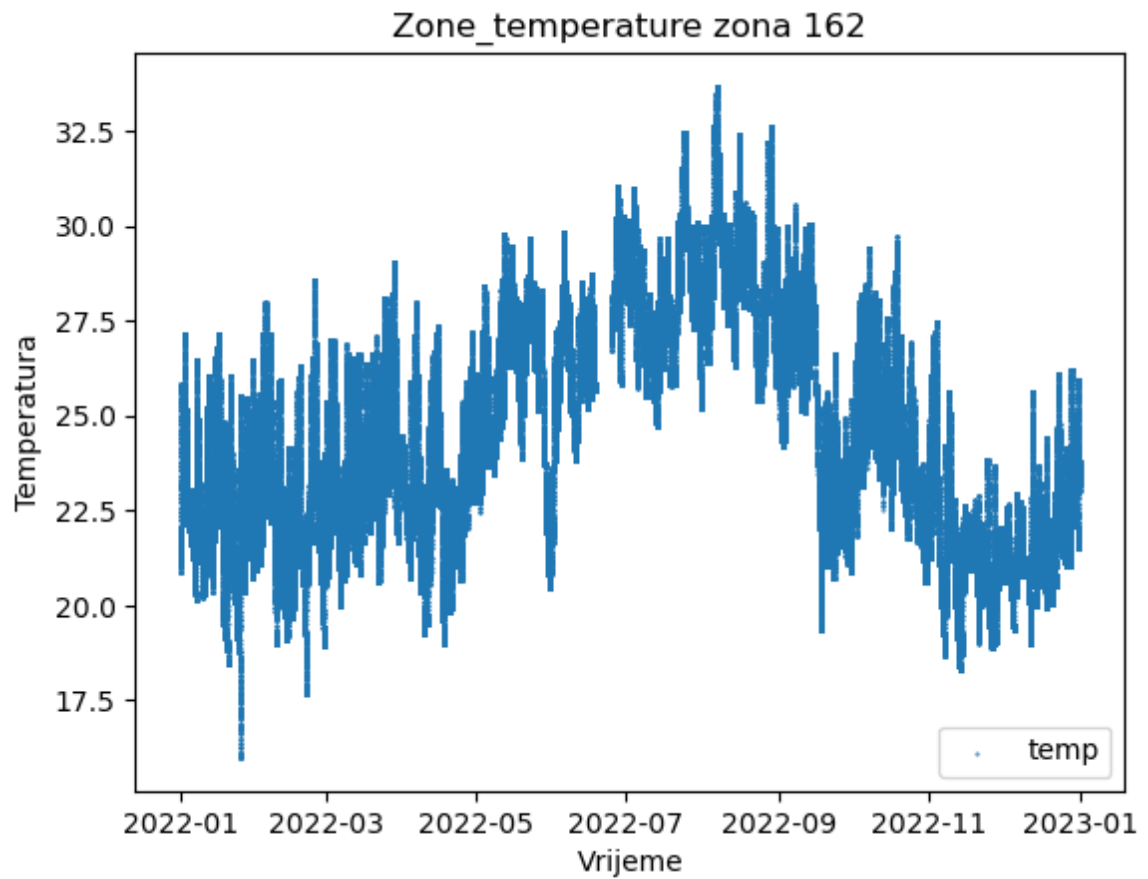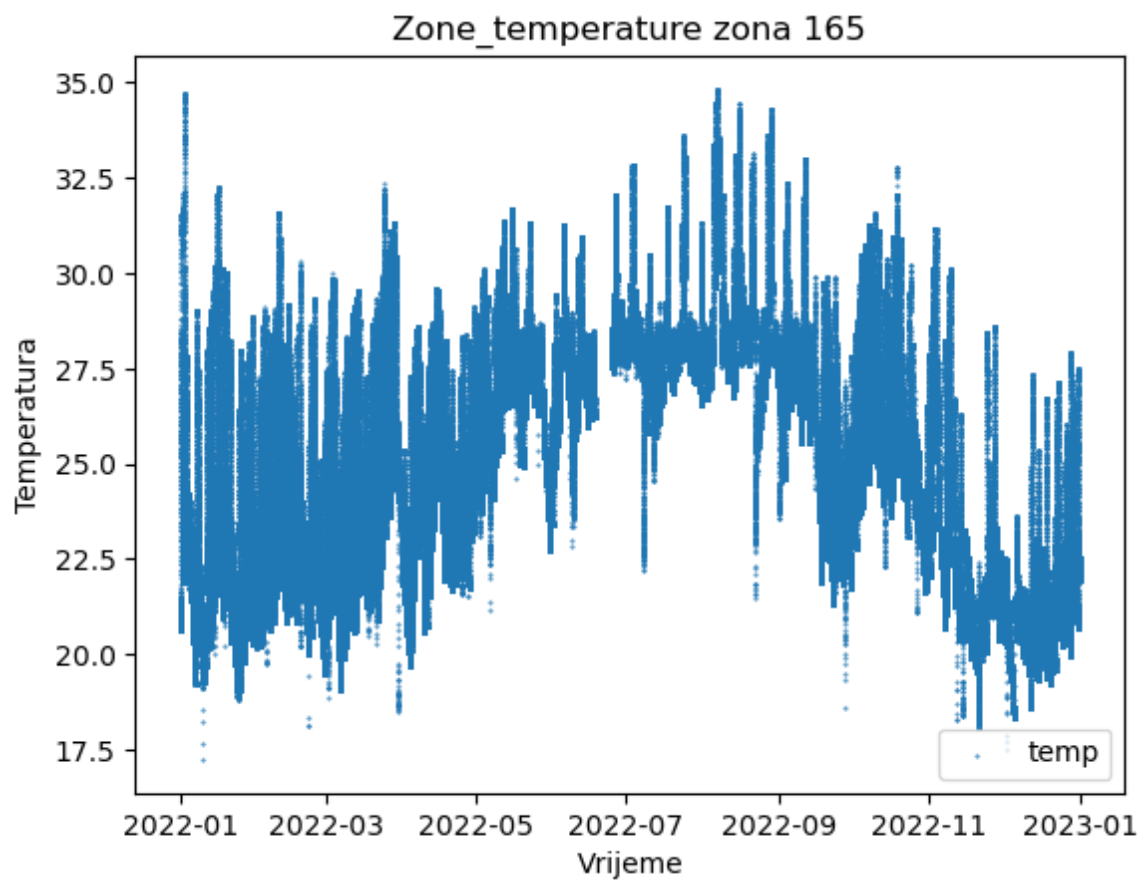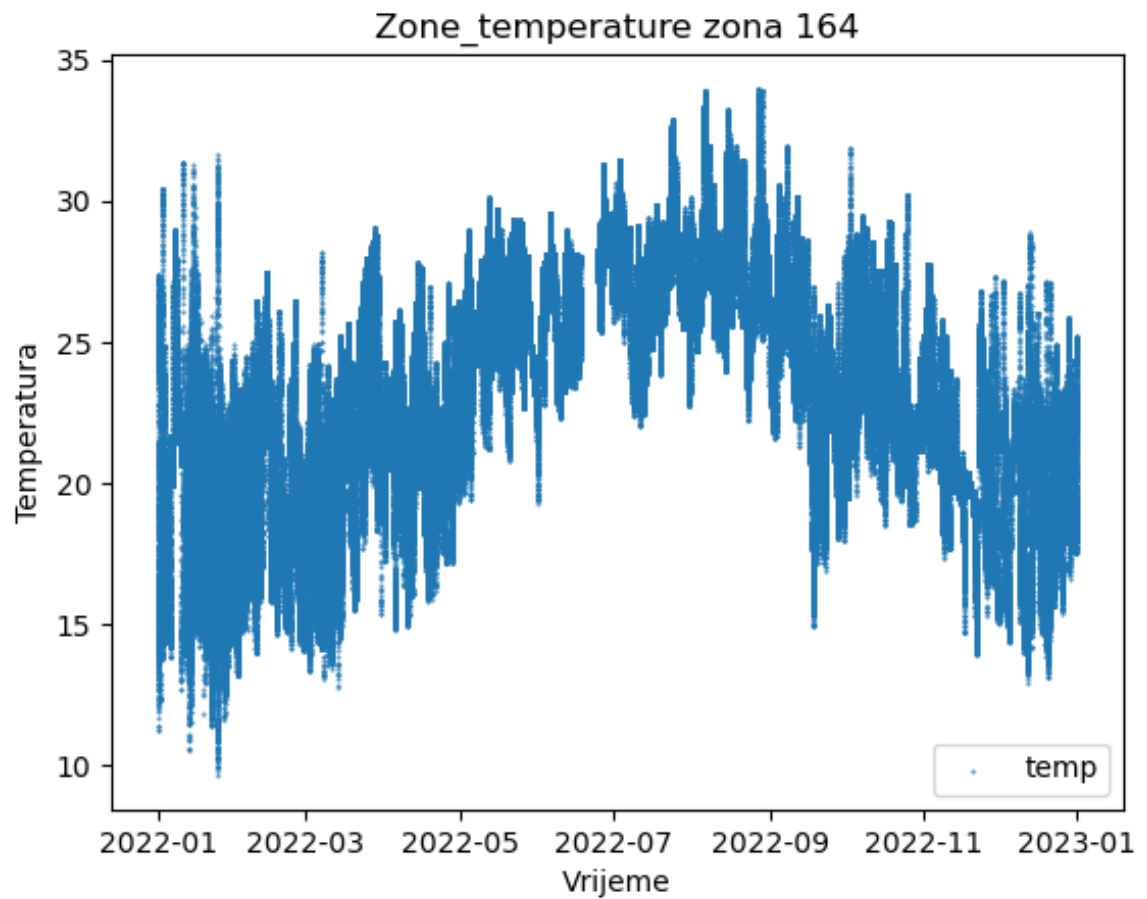
```
In [63]:  for zona in popis:
              svaka = zone_sort[zone_sort["zone_id"] == zona]
              plt.scatter(svaka.timestamp, svaka.zone_temperature, s=0.2, lab
              plt.xlabel("Vrijeme")
              plt.ylabel("Temperatura")
              plt.title("Zone_temperature zona " + str(zona))
              plt.legend(loc="lower right")
              plt.show()
```
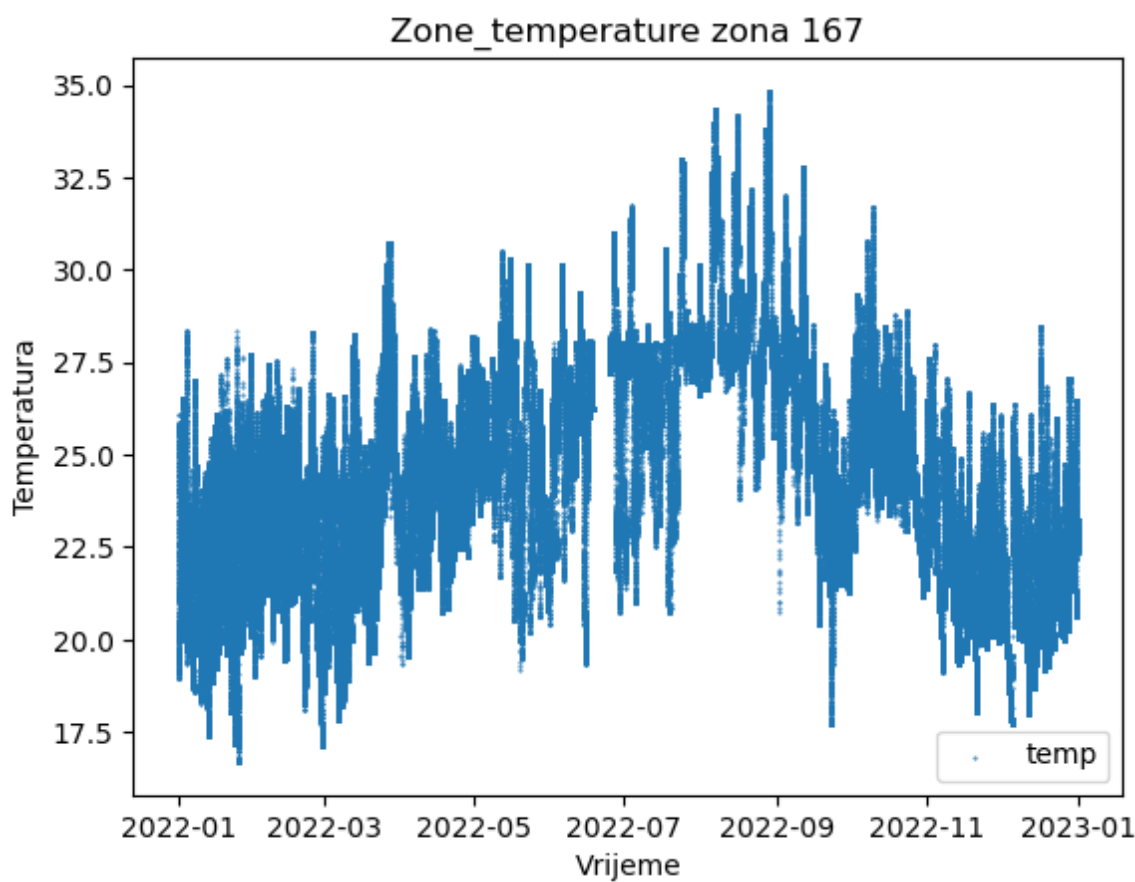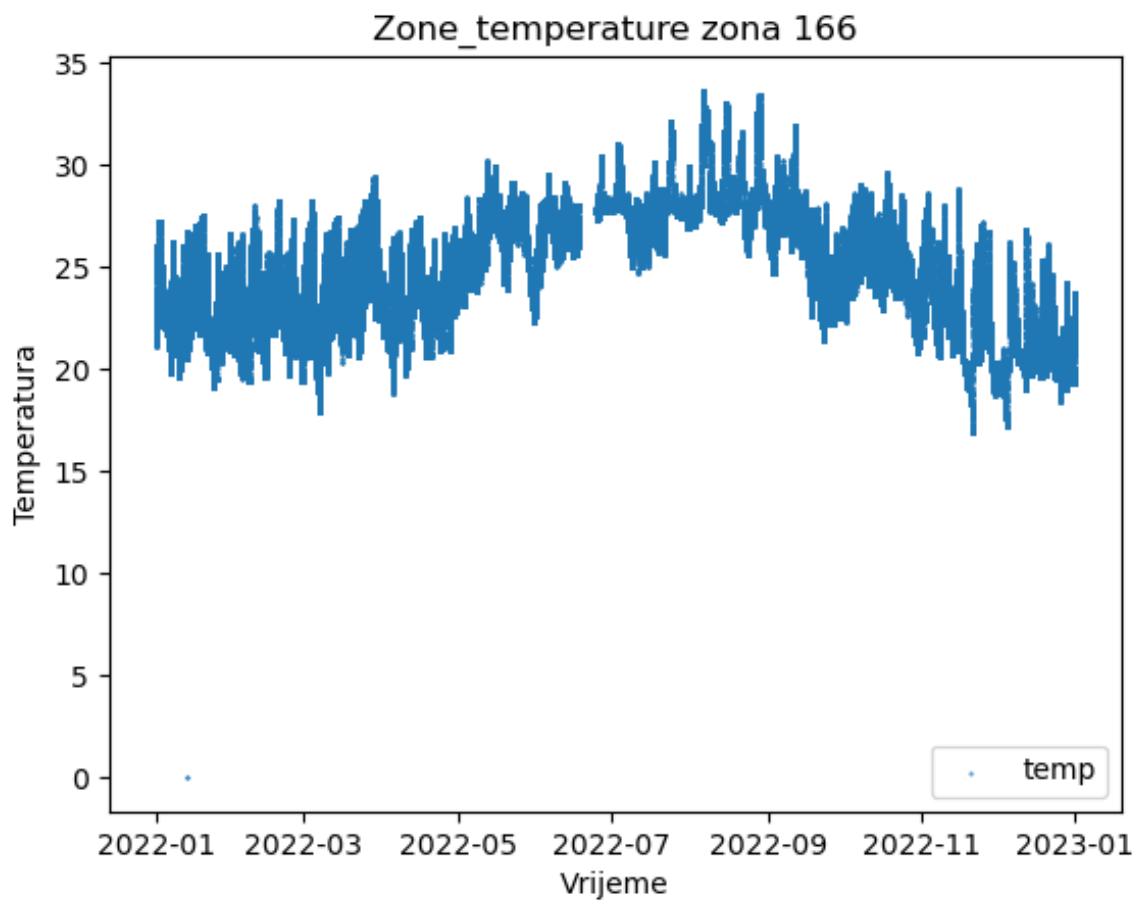
Zone_temperature zona 156

Zone_temperature zona 157

Zone_temperature zona 158

Zone_temperature zona 159

Zone_temperature zona 160

Zone_temperature zona 161

Zone_temperature zona 162

Zone_temperature zona 163

Zone_temperature zona 164

Zone_temperature zona 165

Zone_temperature zona 166

Zone_temperature zona 167
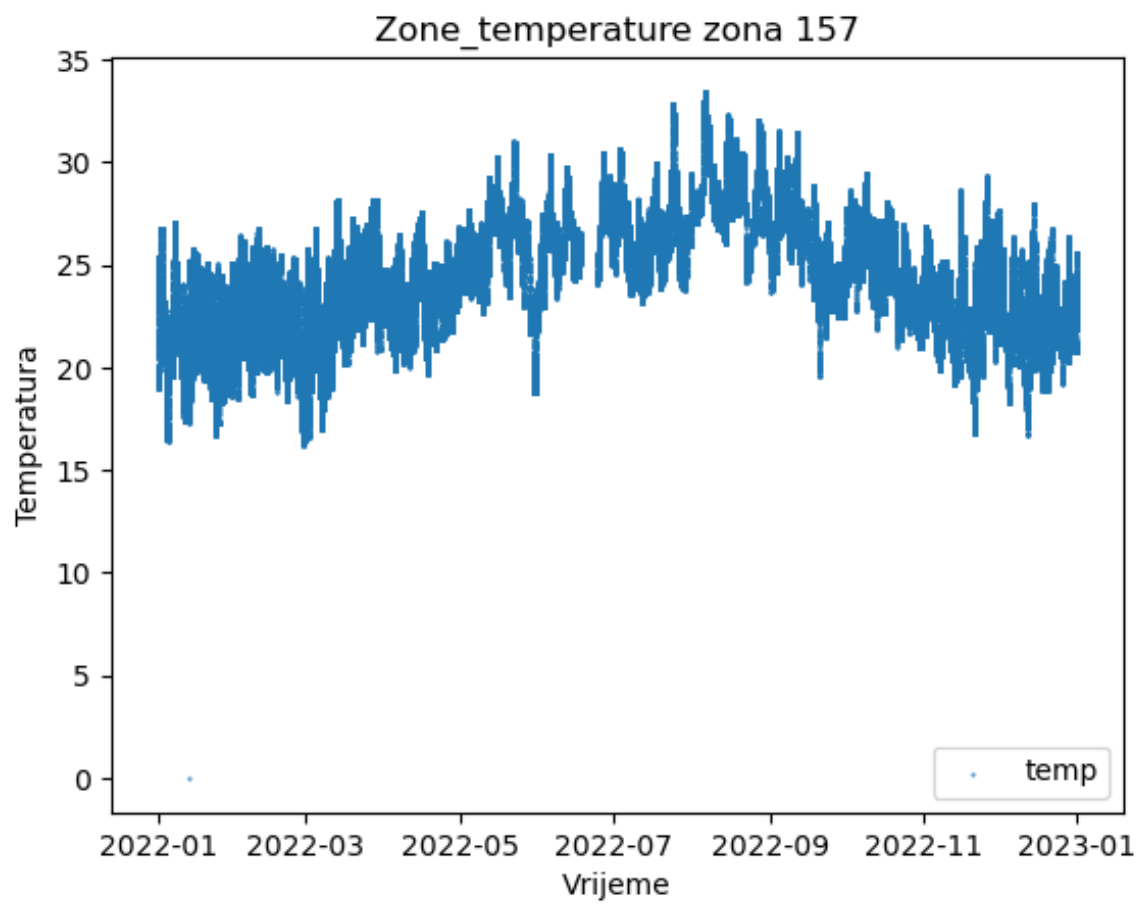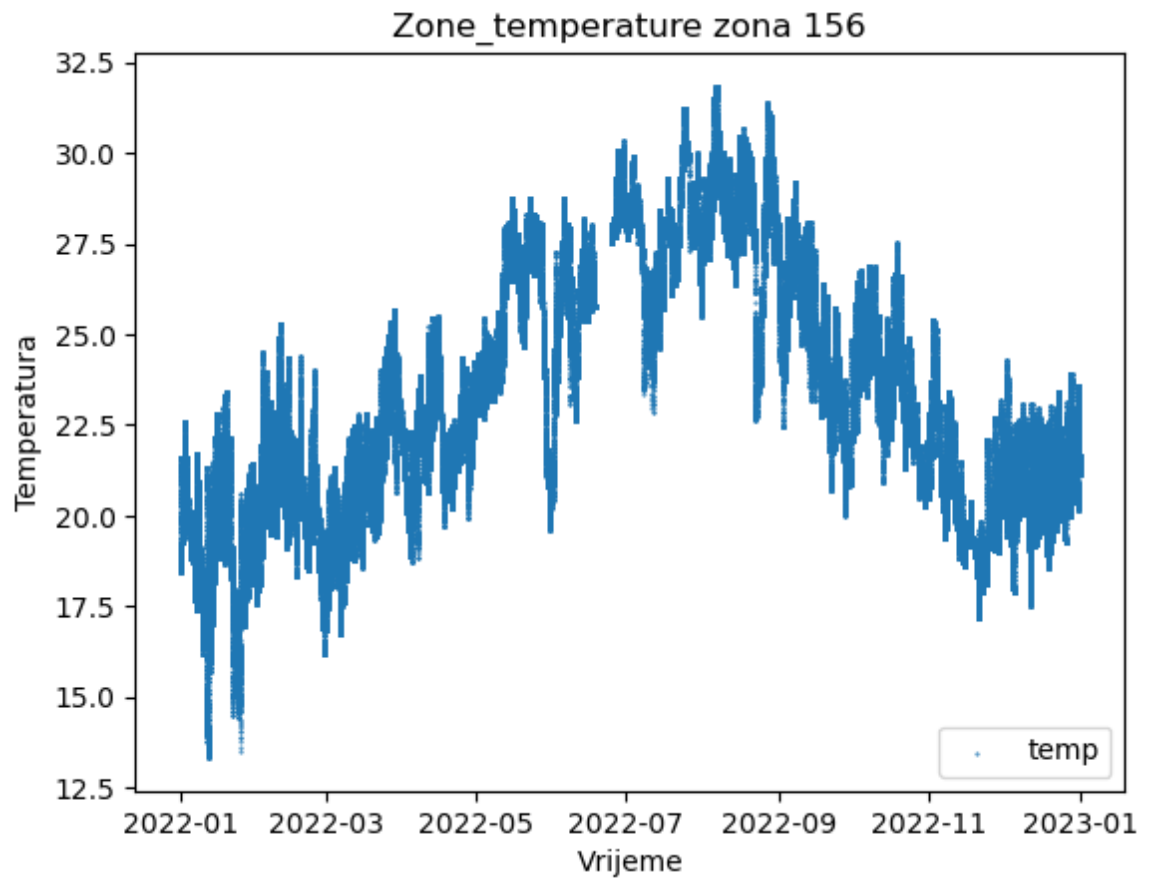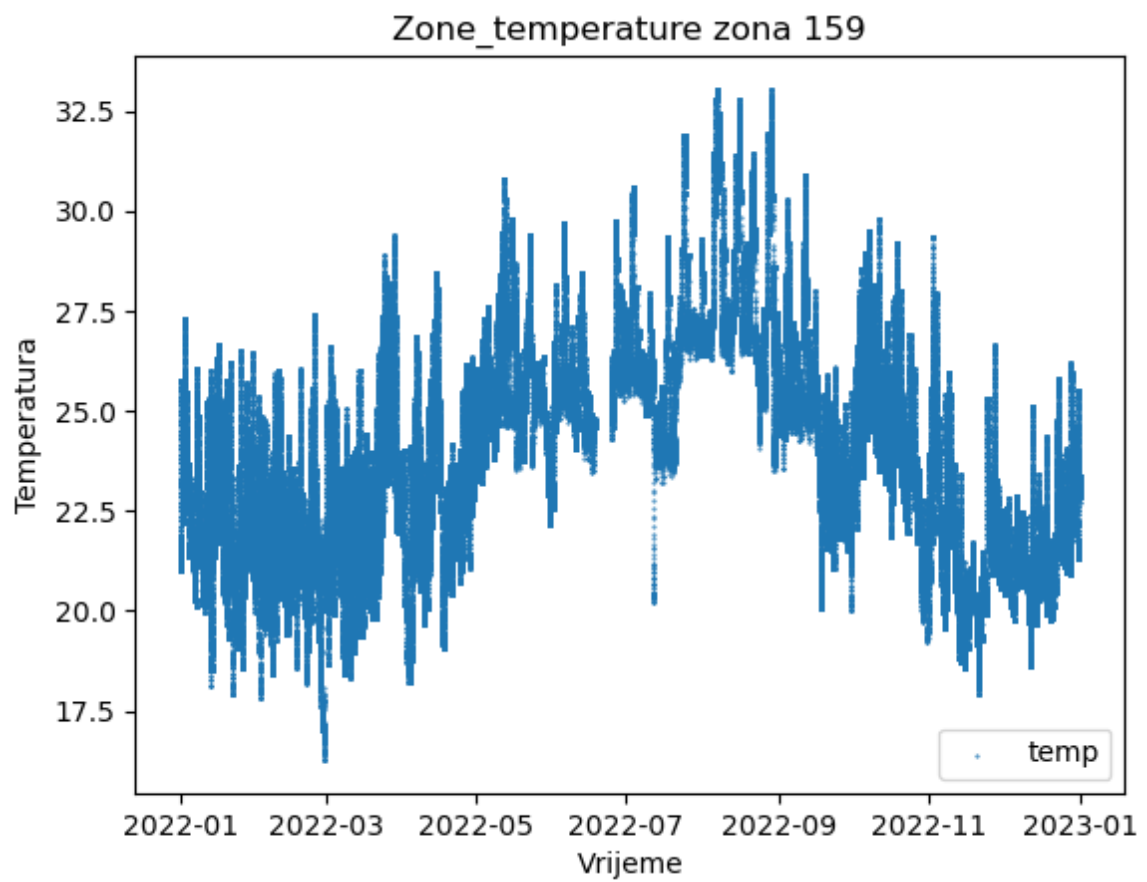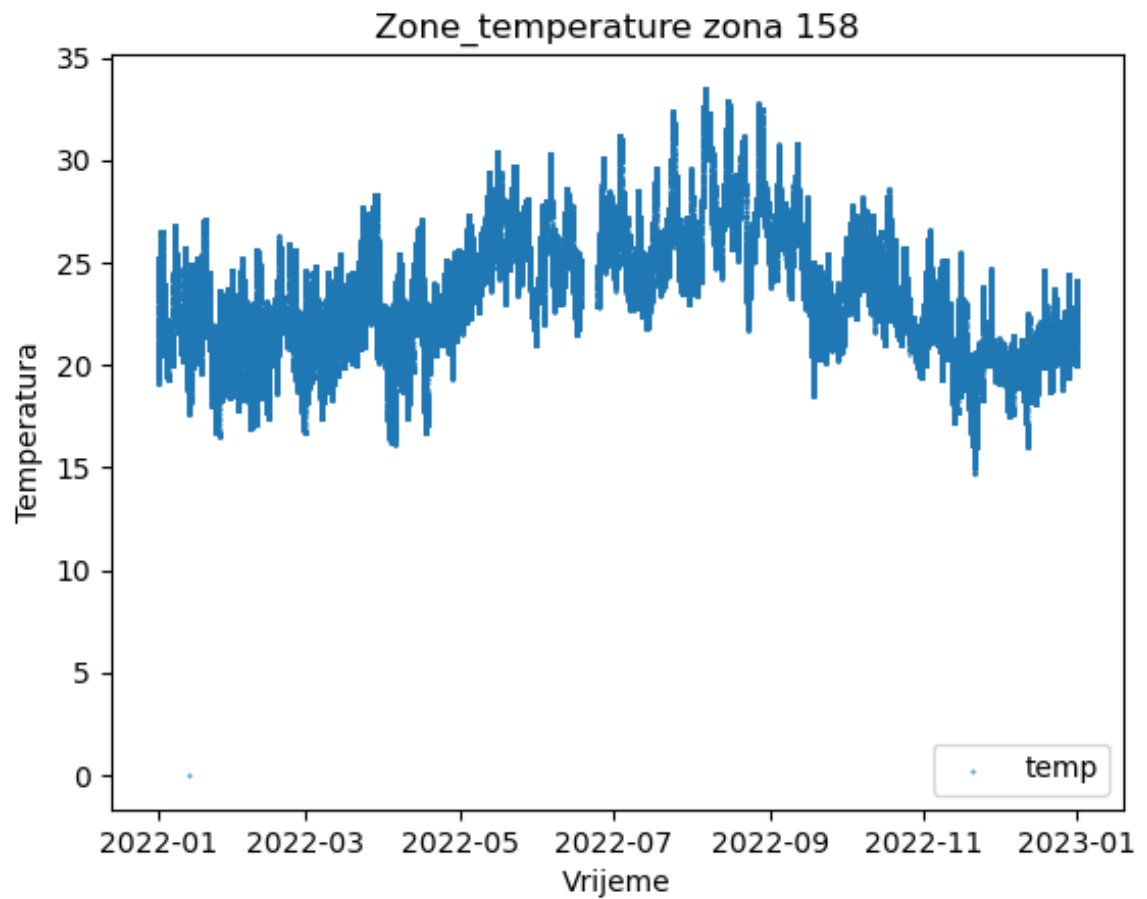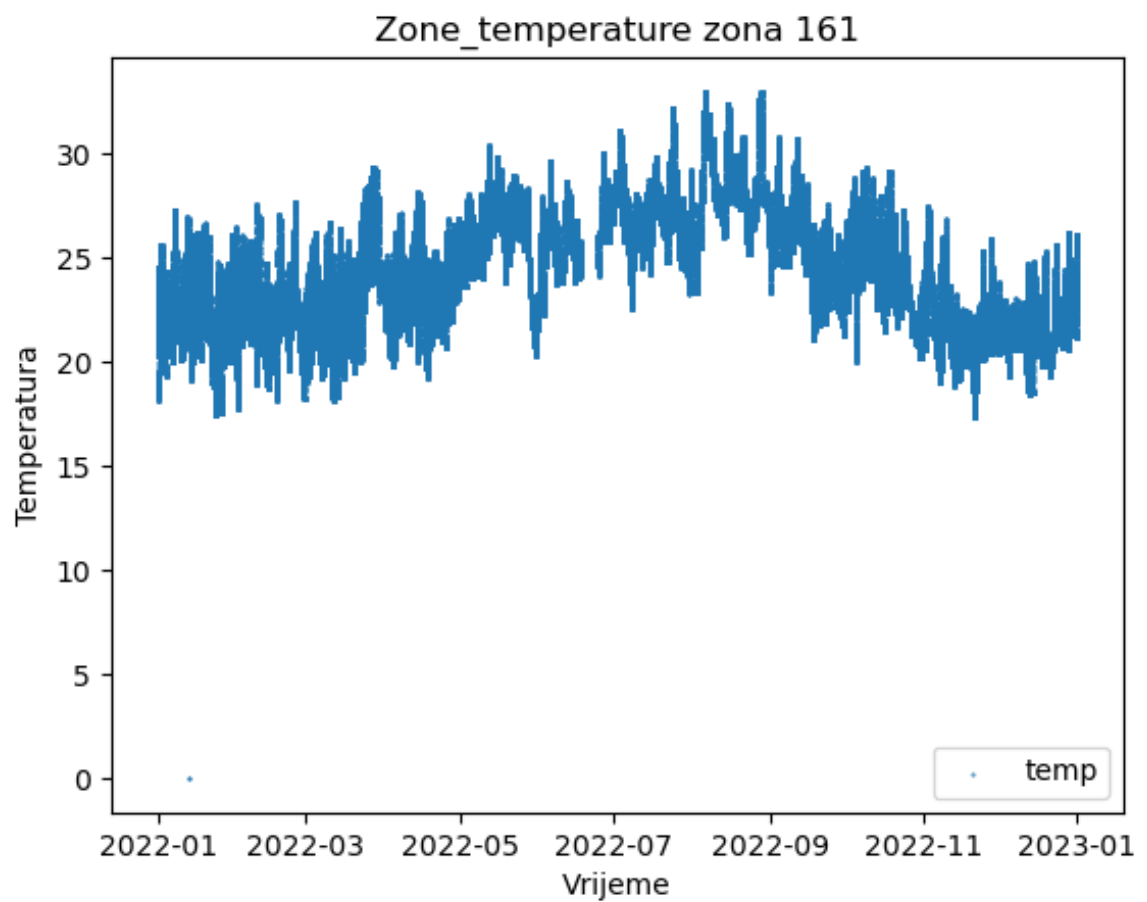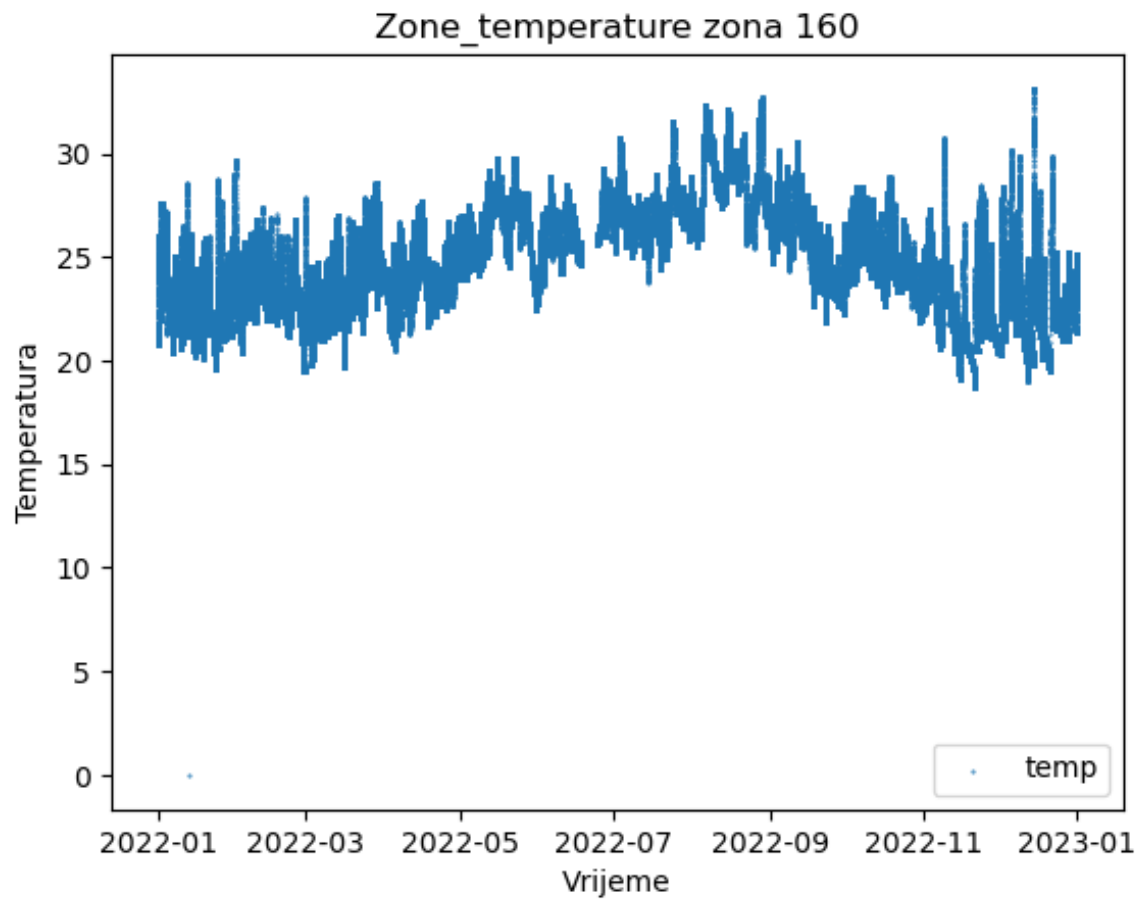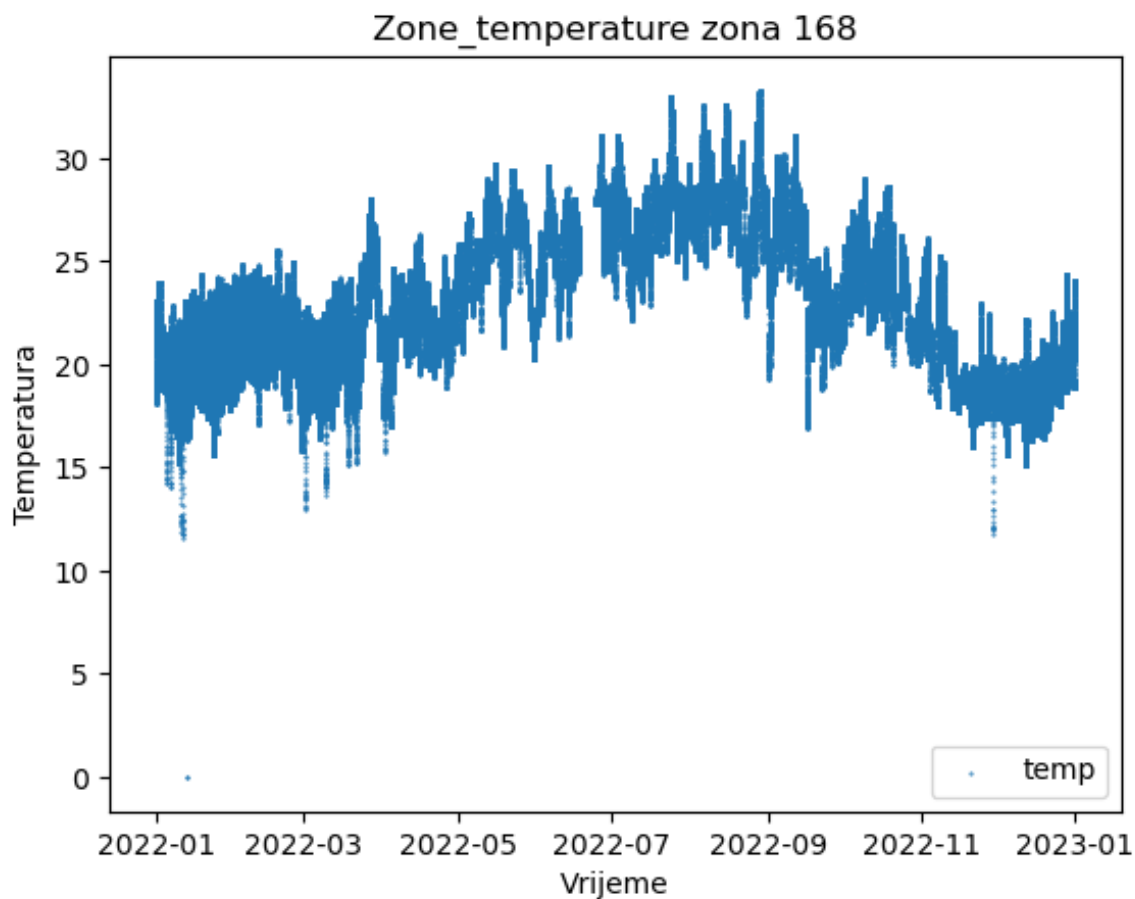
Local switch

```
In [67]:  for zona in popis:
              svaka = zone_sort[zone_sort["zone_id"] == zona]
              plt.scatter(svaka.timestamp, svaka.local_switch, s=0.4, color='
              plt.title("Local_switch zona " + str(zona))
              plt.show()
```

Local_switch zona 156

Local_switch zona 157

Local_switch zona 158

Local_switch zona 159

Local_switch zona 160

Local_switch zona 161

Local_switch zona 162

Local_switch zona 163

Local_switch zona 164

Local_switch zona 165

Local_switch zona 166

Local_switch zona 167

Local_switch zona 168
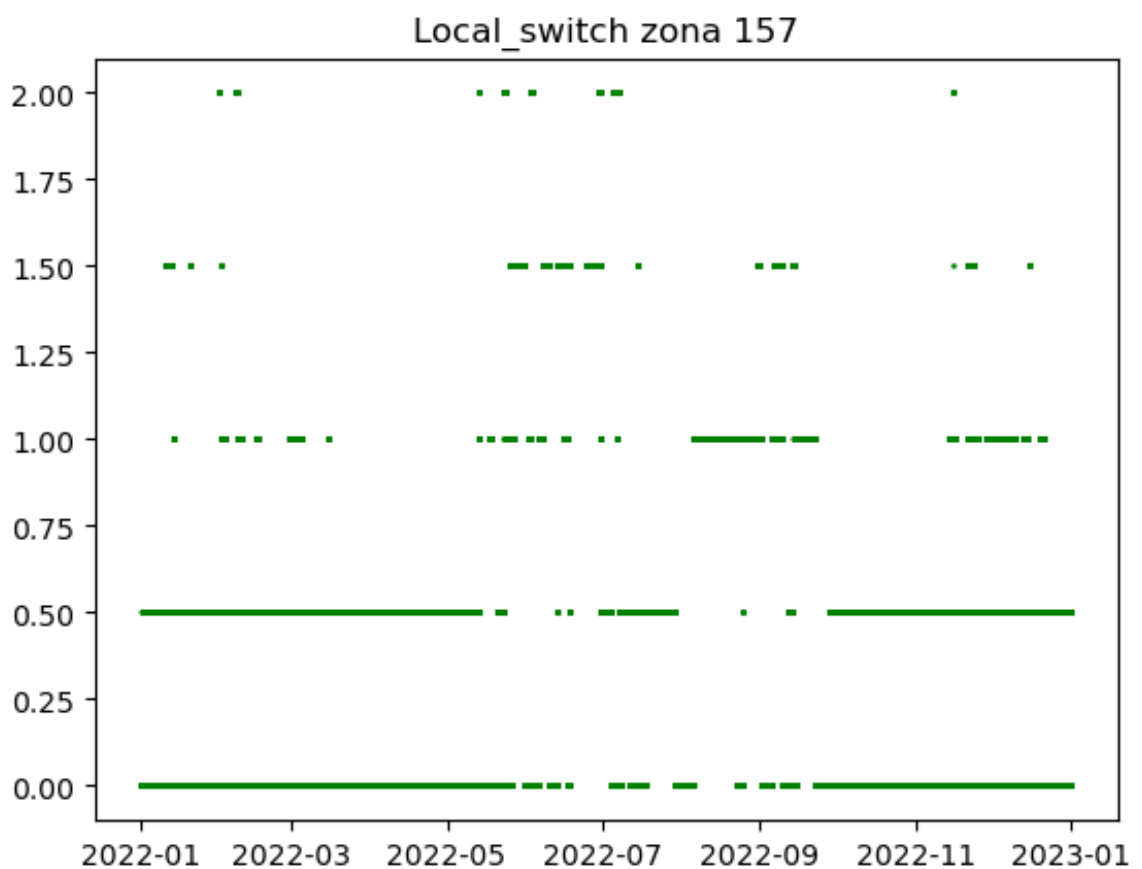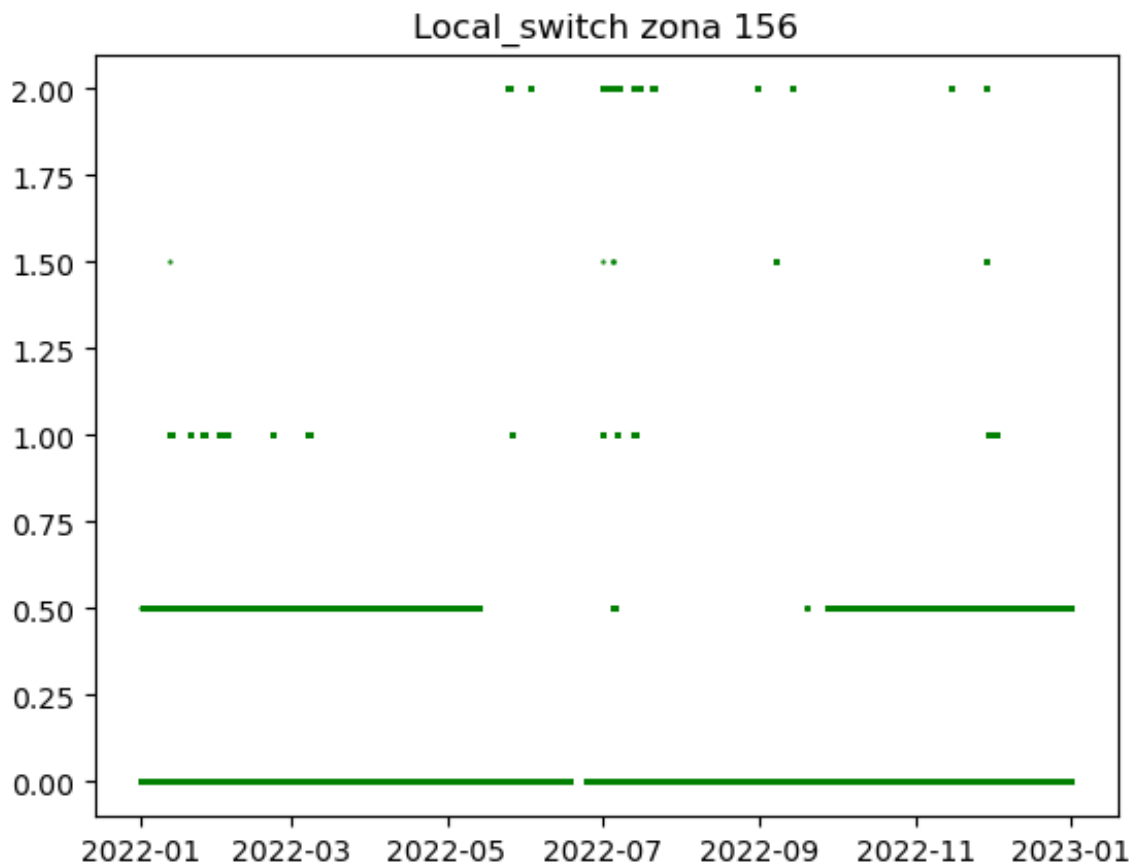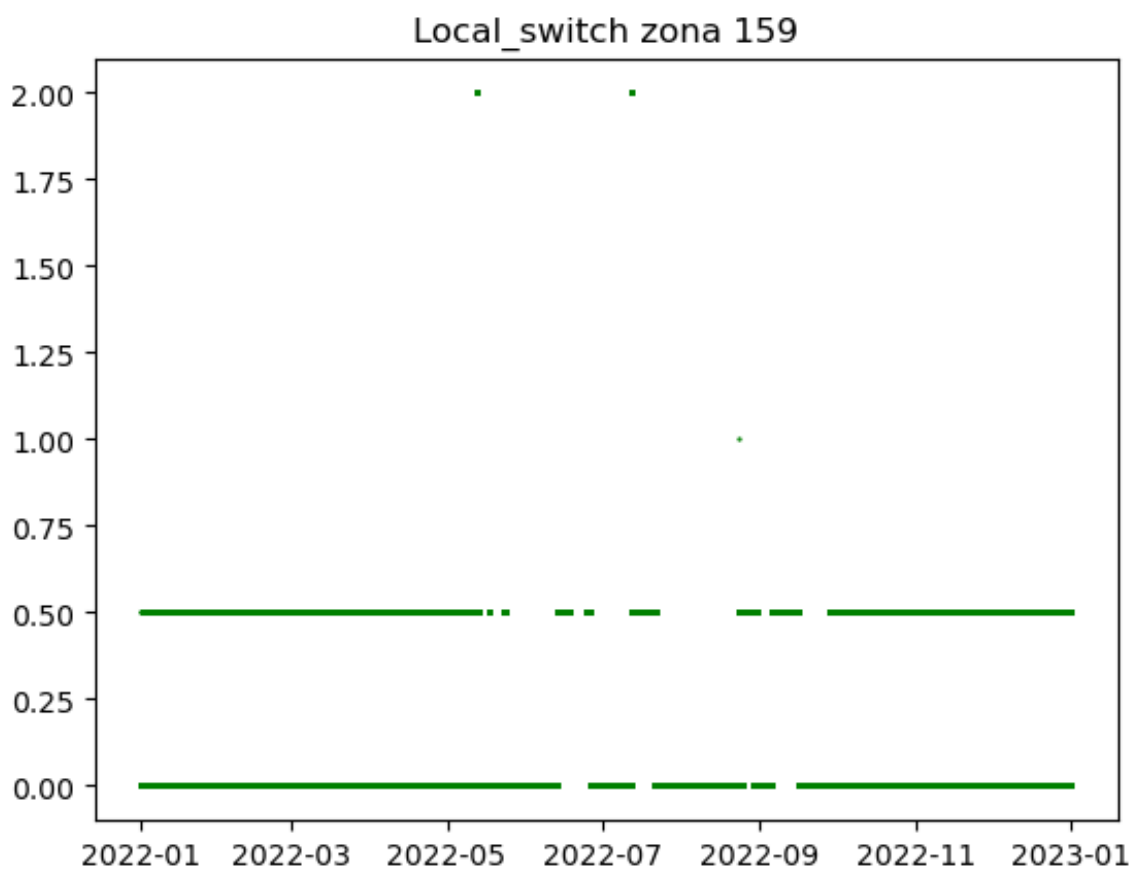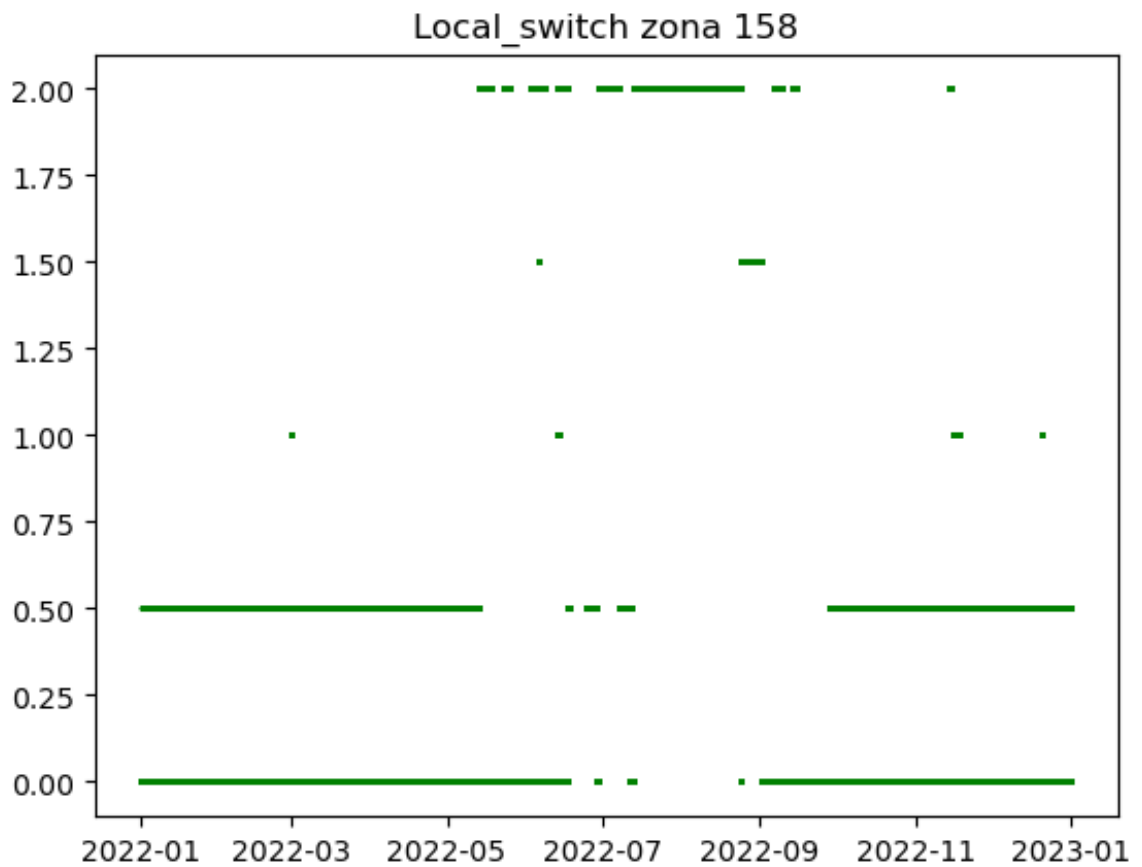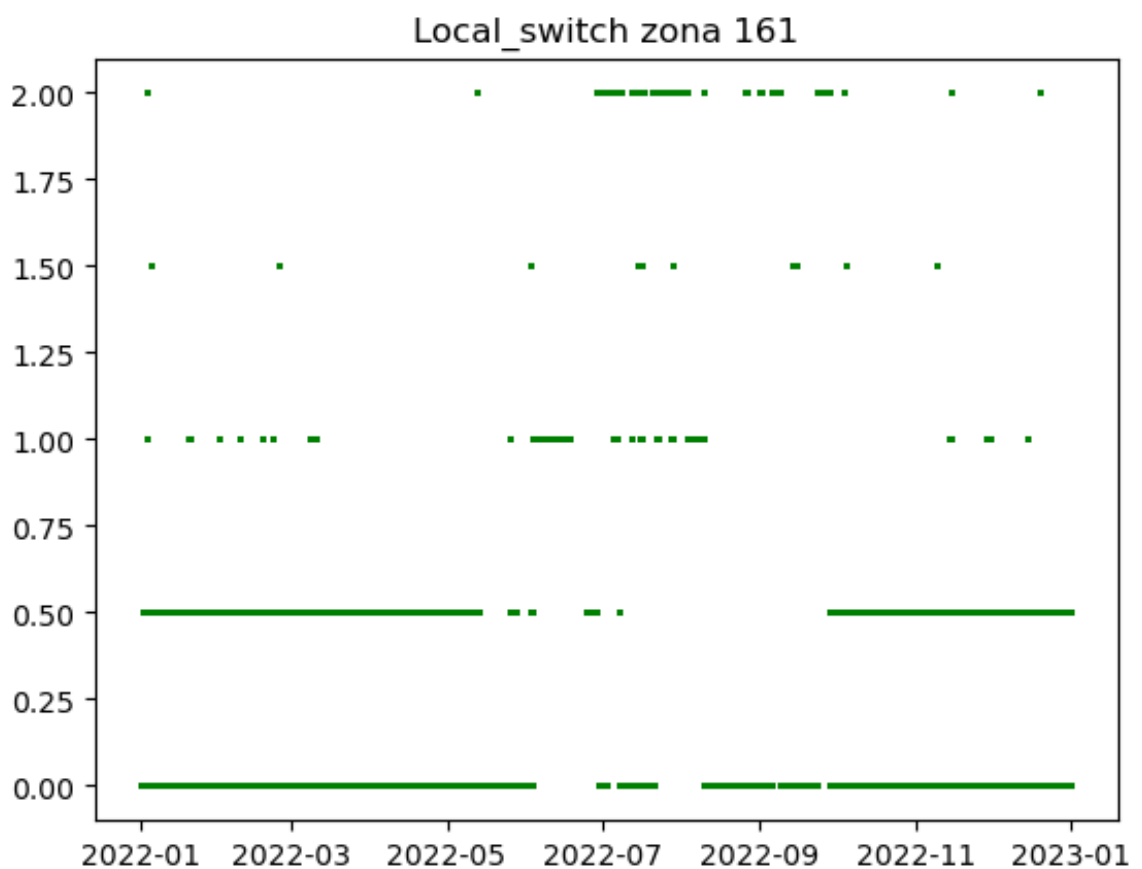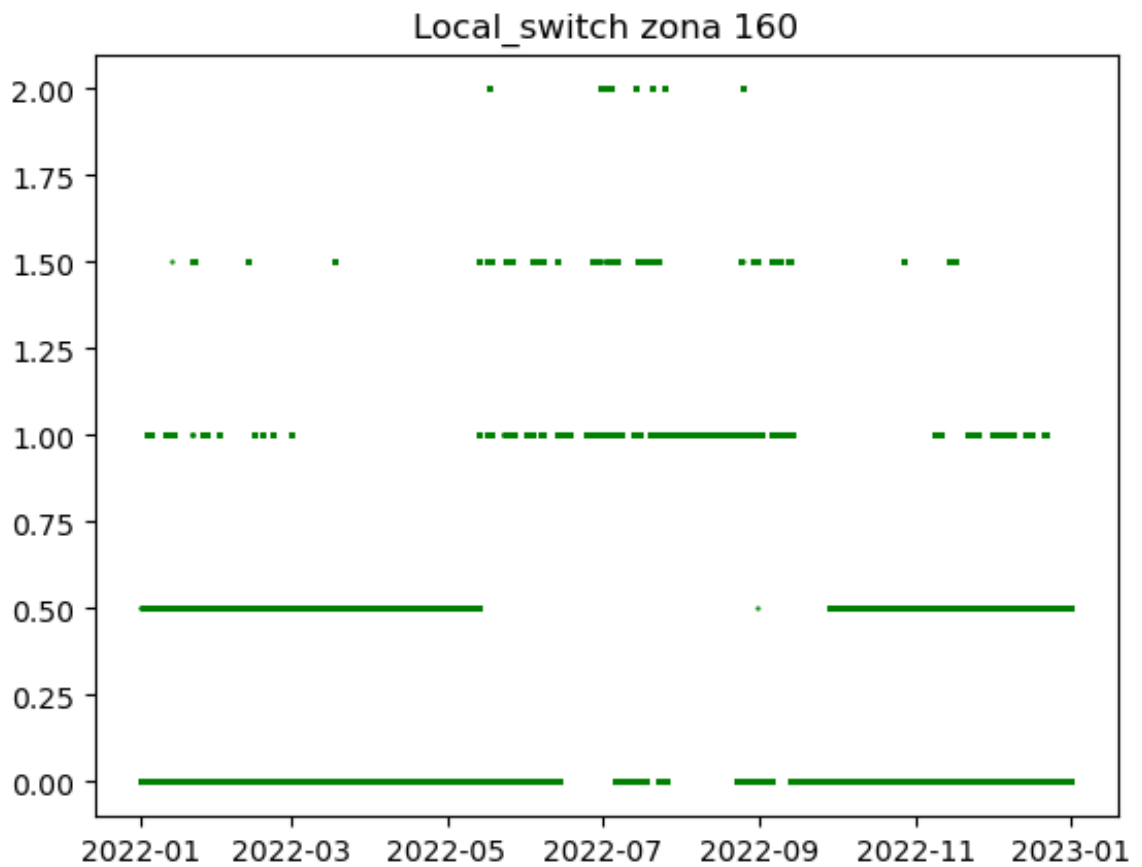
Zone_fan_speed
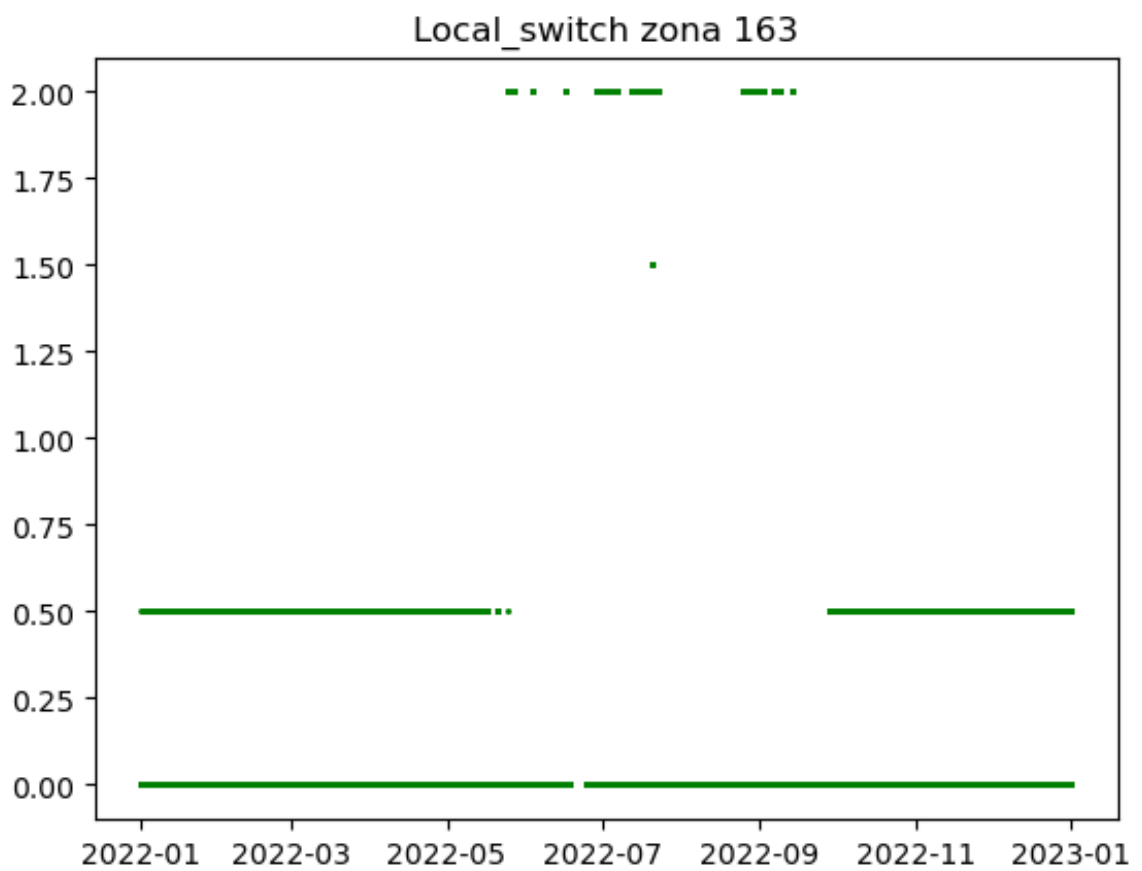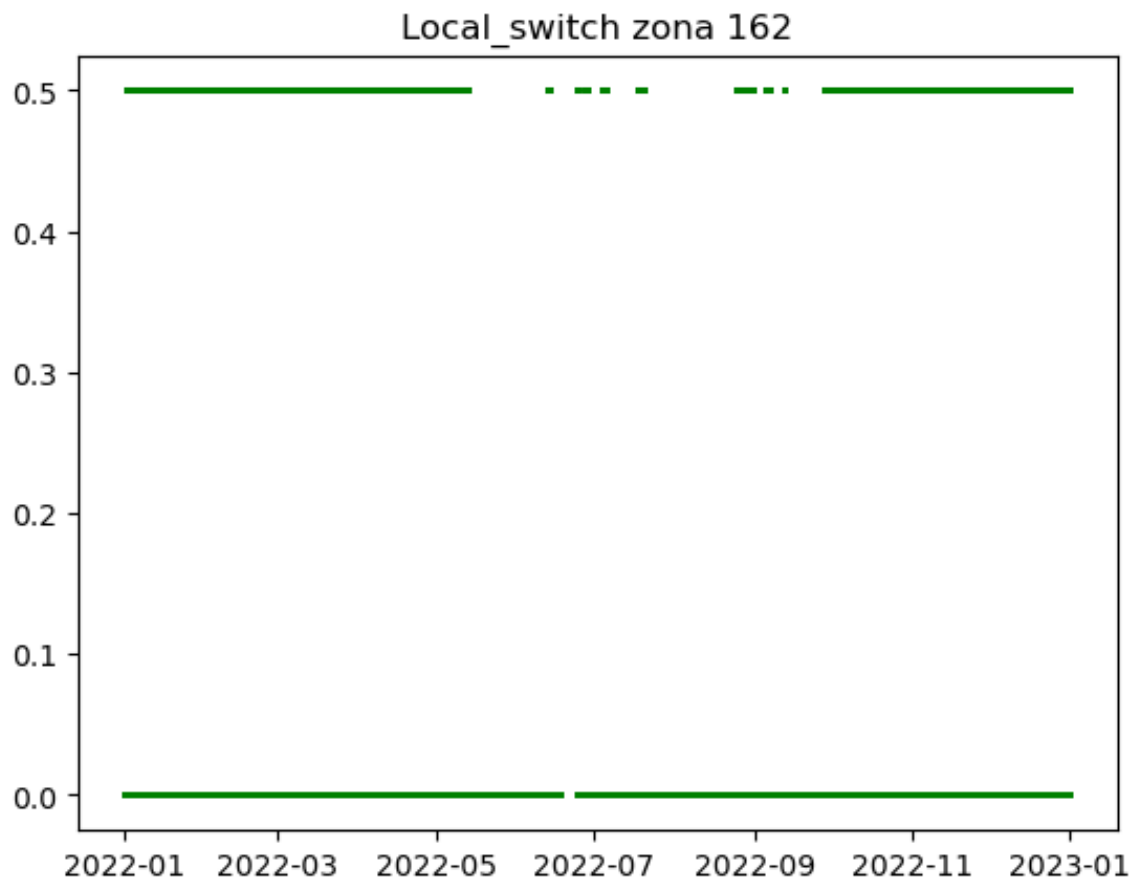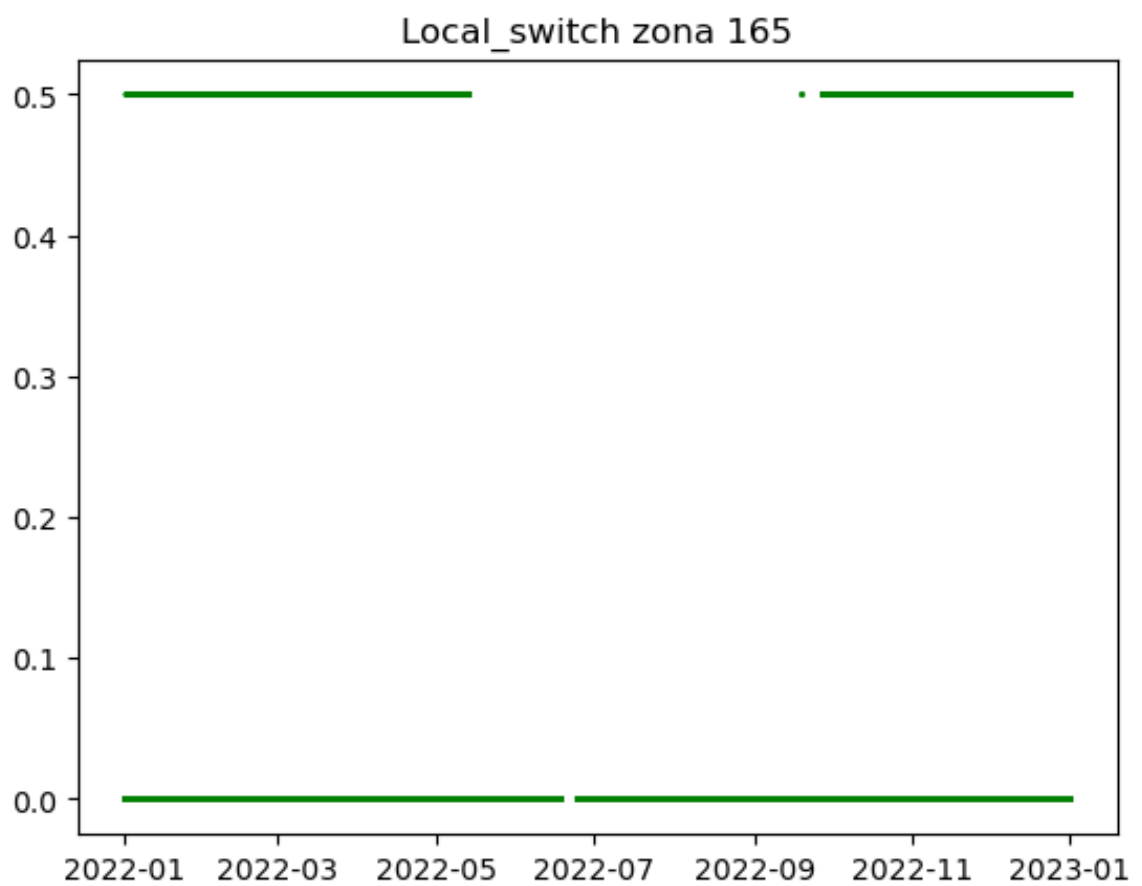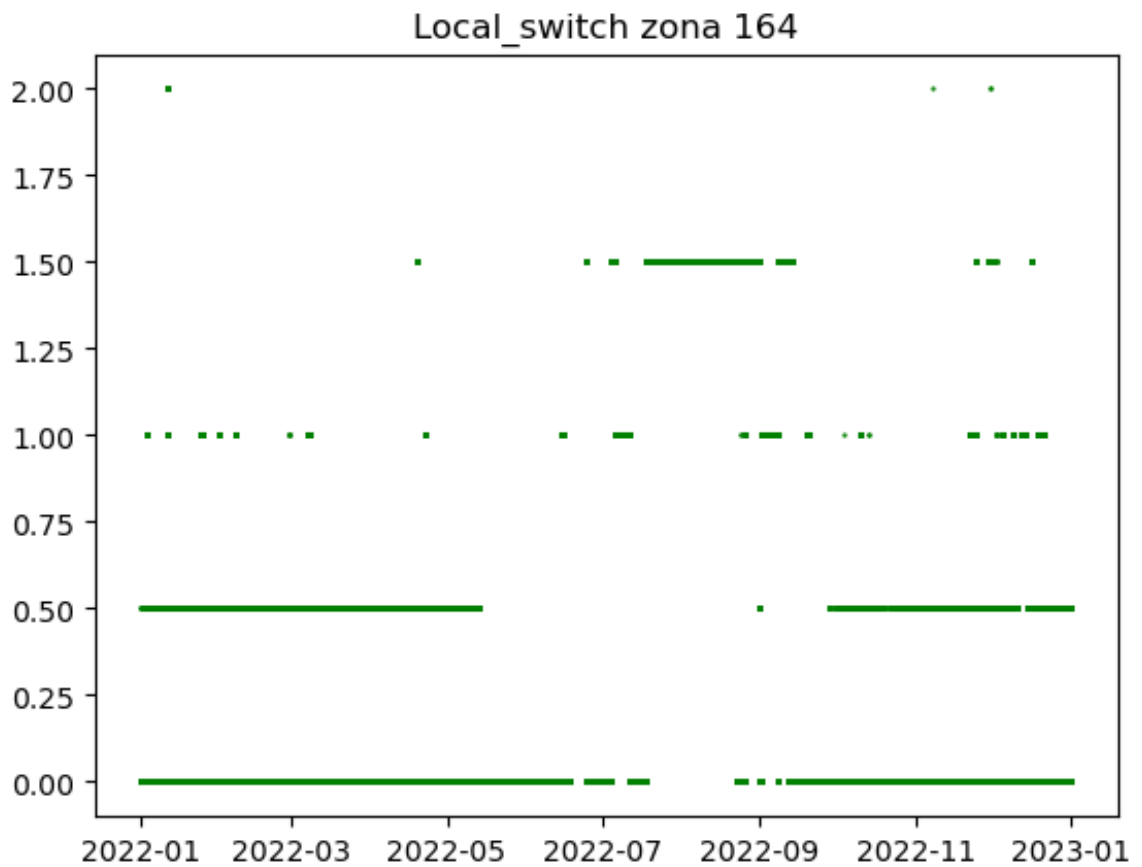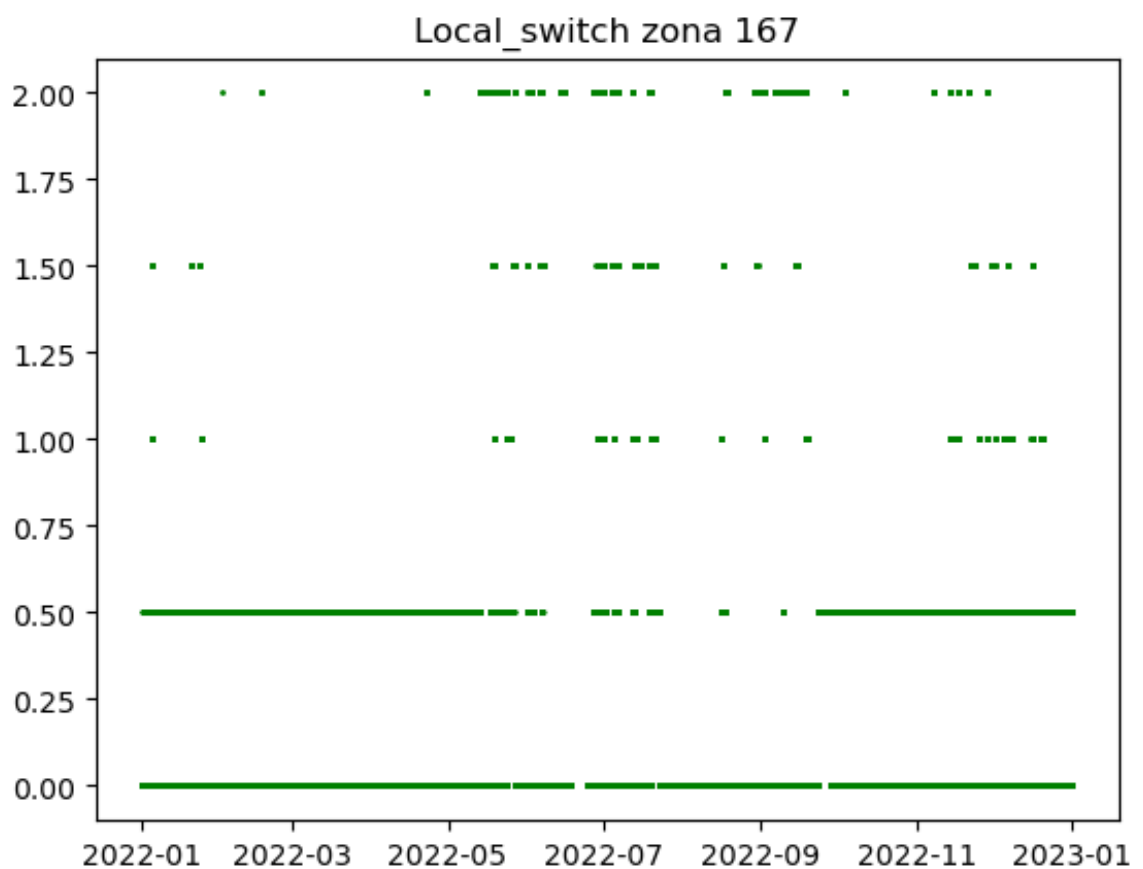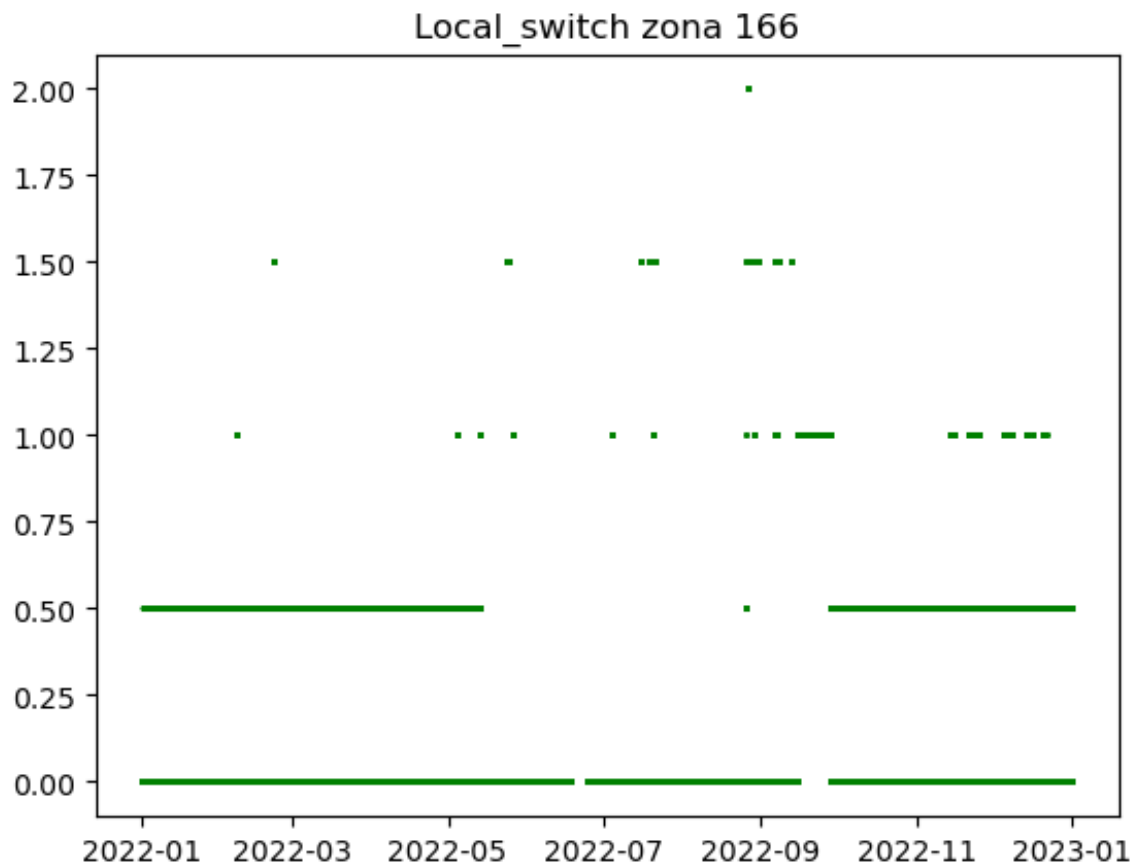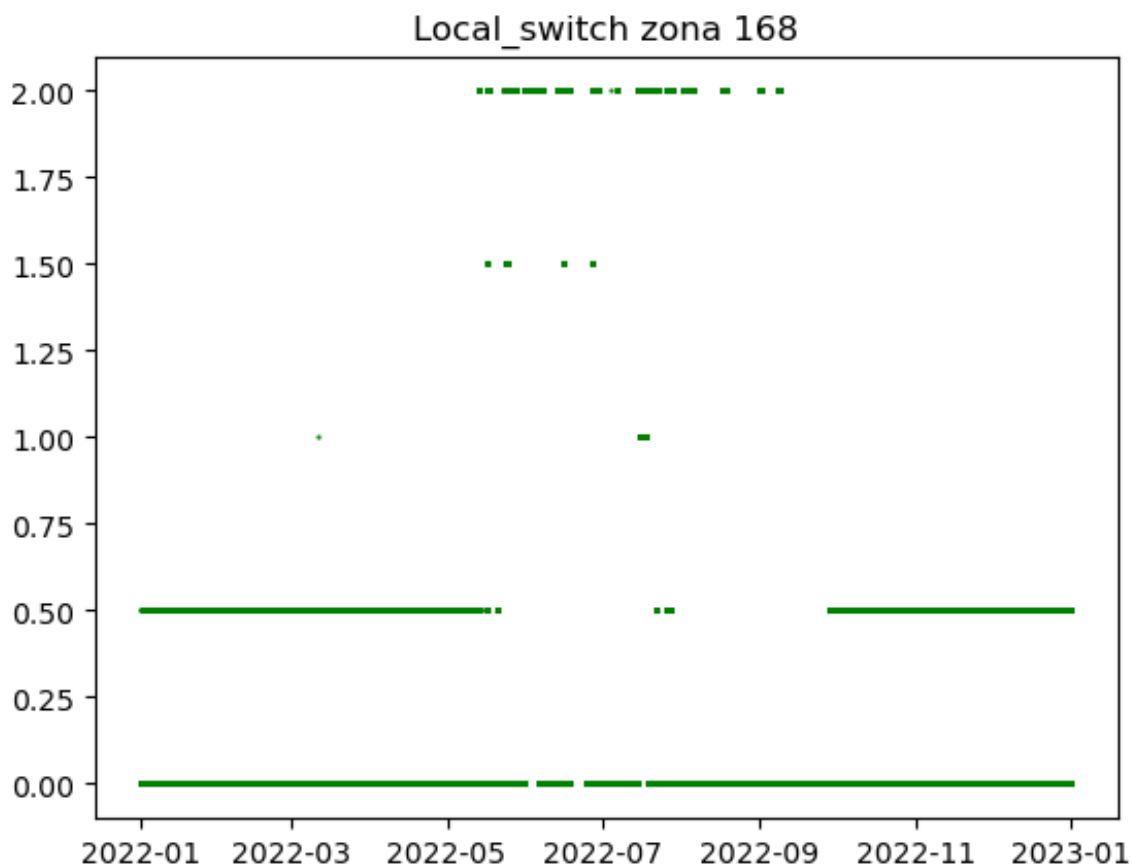
```
In [59]: for zona in popis:
             svaka = zone_sort[zone_sort["zone_id"] == zona]
             plt.scatter(svaka.timestamp, svaka.zone_fan_speed, s=0.3, color
             plt.title("Zone_fan_speed zona " + str(zona))
             plt.show()
```

Zone_fan_speed zona 156

Zone_fan_speed zona 157

Zone_fan_speed zona 158

Zone_fan_speed zona 159

Zone_fan_speed zona 160

Zone_fan_speed zona 161

Zone_fan_speed zona 162

Zone_fan_speed zona 163

Zone_fan_speed zona 164

Zone_fan_speed zona 165

Zone_fan_speed zona 166

Zone_fan_speed zona 167

Zone_fan_speed zona 168