GRAFIČKI PRIKAZ ZONE

Prikazat ću podatke: zone_temperature, local_switch i zone_fan_speed

In [2]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
zone = pd.read_csv('/Users/mateotoic/Desktop/ProjektR/Godina/2022/z
```

In [7]:
```
zcop = zone.copy()
zcop['timestamp'] = pd.to_datetime(zcop['timestamp'])

zone_sort = zcop.sort_values(by='timestamp')
```

Izdvajanje jedne zone

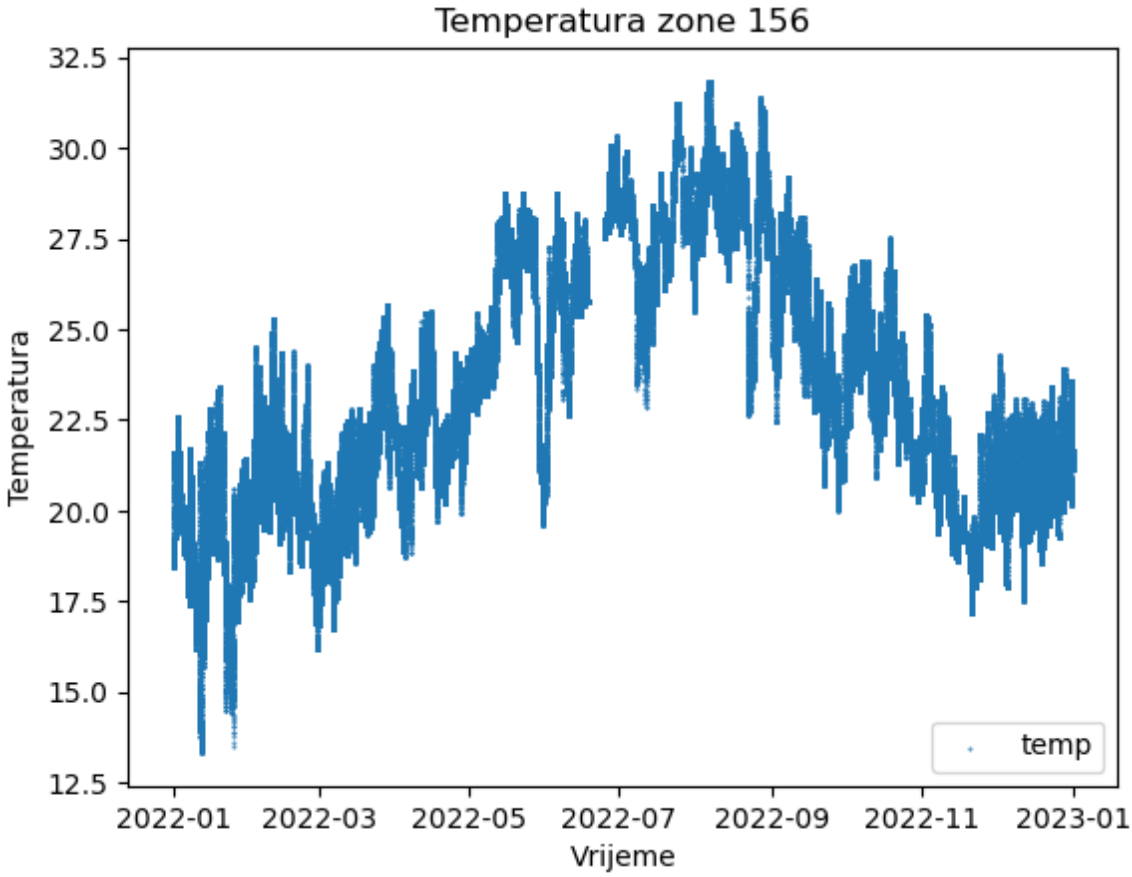
Odabrat ću zonu koja pripada kalorimetru koji ima Id 20, odnosno prikazuje podatke s juga zgrade. Već sam prije odredio koje zone pripadaju tom kalorimetru, a to su: 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168.

Da bi bolje prikazao podatke koje ću kasnije analizirati, kao primjer samo uzeo jednu zonu iz koje ću prikazati sve potrebne podatke - zonu 156.

In [36]:
```
zona156 = zone_sort[zone_sort["zone_id"] == 156]
```

Temperatura

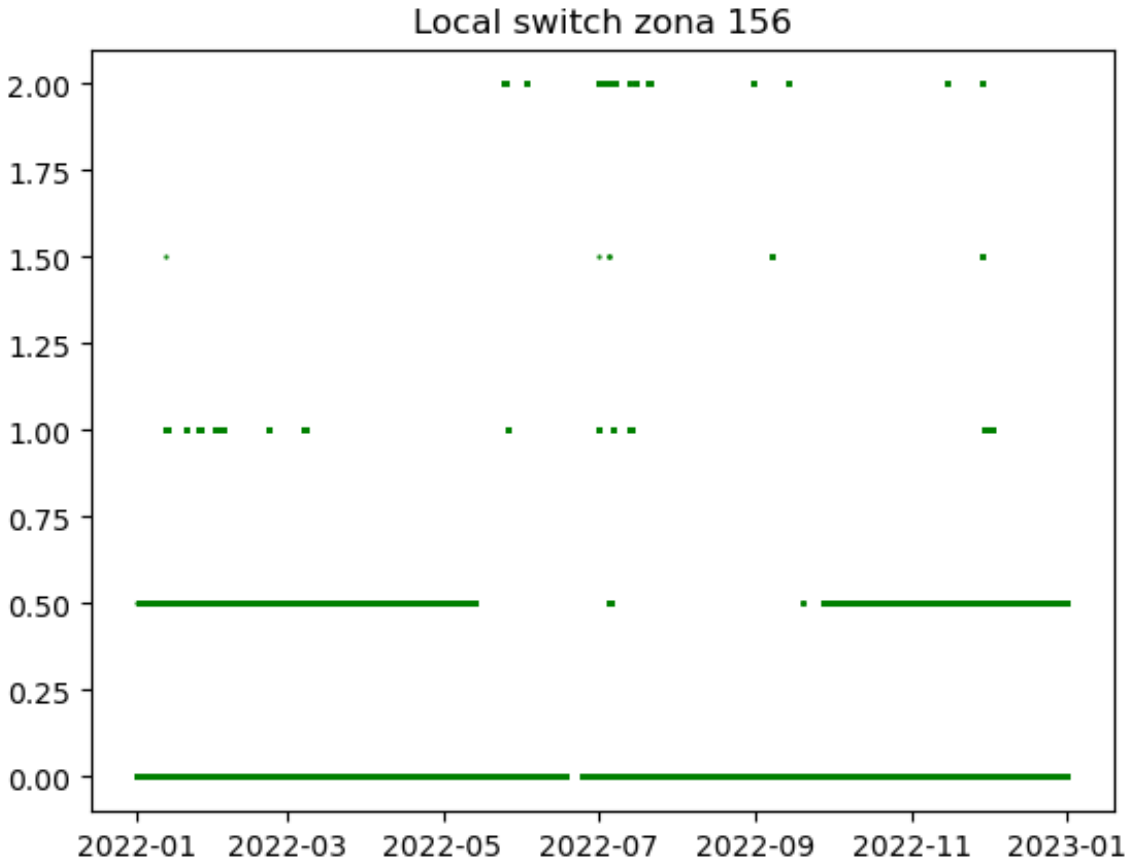
In [142…
```
plt.scatter(zona156.timestamp, zona156.zone_temperature, s=0.2, lab
plt.xlabel("Vrijeme")
plt.ylabel("Temperatura")
plt.title("Temperatura zone 156")
plt.legend(loc="lower right")
plt.show()
```



Local switch

In [172…

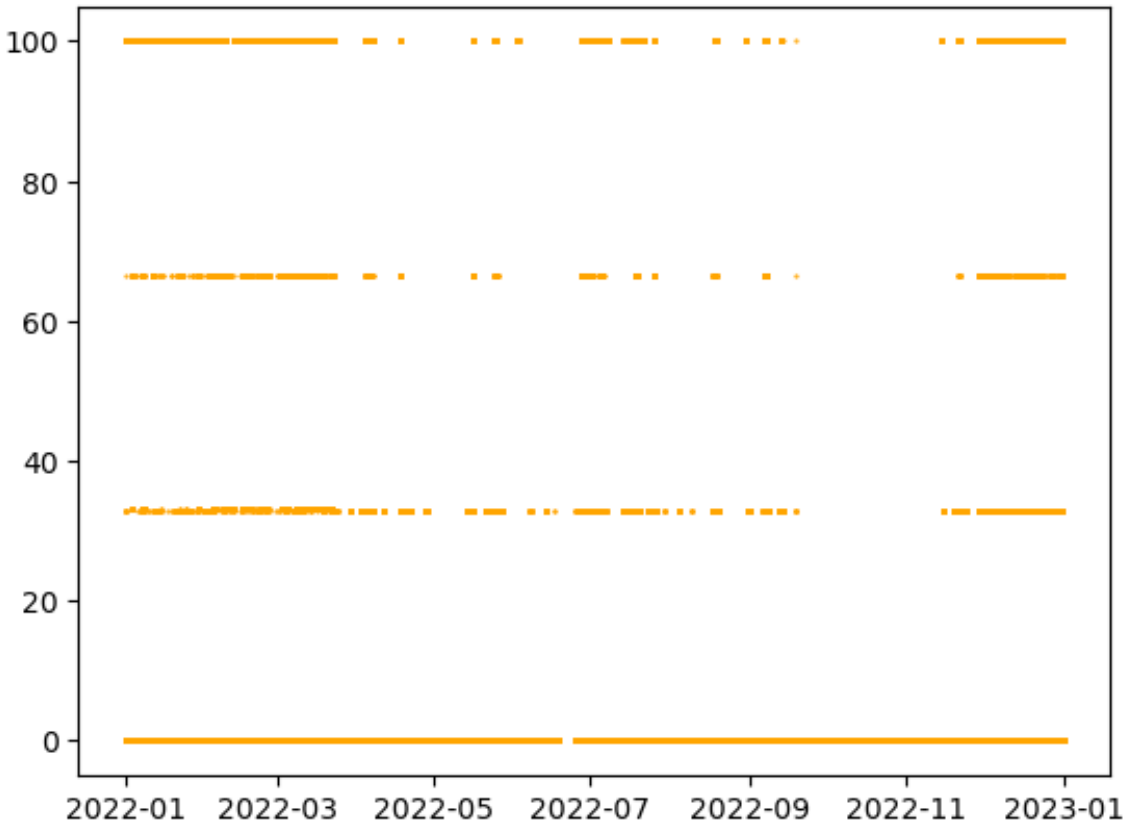
```
plt.scatter(zona156.timestamp, zona156.local_switch, s=0.4, color='
plt.title("Local switch zona 156")
plt.show()
```



Iz ovih podataka možemo zaključiti da local_switch poprima vrijednosti iz skupa (0, 0.5, 1, 1.5, 2)

Zone_fan_speed

In [176…
```
plt.scatter(zona156.timestamp, zona156.zone_fan_speed, s=0.3, color
plt.show()
```



Zone_fan_speed poprima podatke iz skupa (0, 33, 33.3, 66.5)