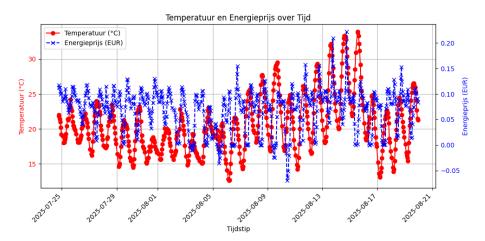
# **Analysis report**

Generated on: 2025-08-19 23:42:53

#### **Overview**

This report analyzes the relationship between temperature (°C) and energy price (EUR).

# Graph



Temperature vs Energy Price

## **Summary statistics**

- **Temperature**: Mean = 20.7984, Std Dev = 4.1785
- **Energy Price**: Mean = 0.0707403, Std Dev = 0.0410189
- **Correlation (Pearson)**: -0.0213317

### **Data**

```
Timestamp | Temperature (°C) | Energy Price (EUR) | 2025-07-24T18:30 | 22.0 | 0.11693 | 2025-07-24T19:00 | 21.8 | 0.11283 | 2025-07-24T20:15 | 21.4 | 0.11320 | 2025-07-24T21:00 | 21.0 | 0.10530 | 2025-07-24T22:15 | 20.2 | 0.09874 |
```

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2025-07-24T23:00 | 19.2 | 0.10217
2025-07-25T01:00 | 19.0 | 0.08523
2025-07-25T03:15 | 18.0 | 0.09053
2025-07-25T04:30 | 18.1 | 0.09160
2025-07-25T05:15 | 18.5 |
                         0.09556
2025-07-25T06:15 | 18.8 |
                         0.10967
2025-07-25T07:15 | 19.3 | 0.09566
2025-07-25T08:15 | 20.4 | 0.08720
2025-07-25T10:15 | 21.4 |
                         0.08043
2025-07-25T11:00 | 21.3 | 0.06940
2025-07-25T12:15 | 21.5 |
                         0.06343
2025-07-25T13:30 | 23.0 | 0.07098
2025-07-25T14:00 | 23.4 |
                         0.07370
2025-07-25T15:00 | 24.2 | 0.07859
2025-07-25T16:15 | 23.0
                         0.08599
2025-07-25T17:15 | 22.6 | 0.09611
                         0.11420
2025-07-25T18:15 | 21.8 |
2025-07-25T19:00 | 21.0 | 0.11113
                         0.11332
2025-07-25T20:00 | 20.5 |
2025-07-25T21:00 | 20.4 | 0.10000
2025-07-25T22:00 | 20.1
                         0.10838
2025-07-25T23:00 | 19.8 | 0.09837
2025-07-26T01:00 | 19.3
                         0.08777
2025-07-26T03:15 | 18.5 | 0.08511
2025-07-26T04:30 | 18.1 |
                         0.08826
2025-07-26T05:15 | 18.1 | 0.08687
2025-07-26T06:15 | 18.1
                         0.08266
2025-07-26T07:00 | 18.4 | 0.07387
2025-07-26T08:15 | 18.5 |
                         0.06563
2025-07-26T09:00 | 18.8 | 0.06133
2025-07-26T10:00 | 19.1 | 0.05553
2025-07-26T11:00 | 20.1 | 0.04204
2025-07-26T12:15 | 20.5 | 0.04086
2025-07-26T13:15 | 20.5 | 0.05445
2025-07-26T14:00 | 21.4 |
                         0.05943
2025-07-26T15:00 | 21.9 | 0.06958
2025-07-26T16:15 | 22.0 | 0.08212
2025-07-26T17:00 | 22.2 |
                         0.09721
2025-07-26T18:15 | 21.5 |
                         0.10159
2025-07-26T19:00 | 21.3 | 0.11672
2025-07-26T20:00 | 20.9 | 0.11836
2025-07-26T21:00 | 20.3 | 0.10620
2025-07-26T22:00 | 19.3 |
                         0.10604
2025-07-26T23:00 | 18.6 | 0.09244
2025-07-27T01:00 | 17.1 | 0.07773
2025-07-27T03:30 | 16.4 | 0.07500
2025-07-27T04:30 | 16.2 |
                         0.07751
2025-07-27T05:15 | 16.8 | 0.07703
2025-07-27T06:15 | 18.2 | 0.08376
2025-07-27T07:00 | 19.4 | 0.08145
2025-07-27T08:15 | 21.0 | 0.06905
2025-07-27T09:00 | 21.9 | 0.06635 |
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2025-07-27T10:00 | 22.3 | 0.04432
2025-07-27T11:00 | 23.2 |
                         0.01504
2025-07-27T12:15 | 24.0 | 0.00885
2025-07-27T13:15 | 23.6 | 0.01608
2025-07-27T14:00 | 23.9
                         0.04260
2025-07-27T15:00 | 23.5 |
                         0.06338
2025-07-27T16:15 | 23.5 |
                         0.05800
2025-07-27T17:00 | 23.2 | 0.09729
2025-07-27T18:15 | 22.5 |
                         0.10948
2025-07-27T19:00 | 22.1 |
                         0.09870
2025-07-27T20:15 | 20.5
                         0.10134
2025-07-27T21:00 | 19.9 | 0.09522
2025-07-27T22:00 | 19.1
                         0.08910
2025-07-27T23:00 | 18.5 | 0.07924
2025-07-28T01:00 | 17.6 |
                         0.07407
2025-07-28T03:30 | 17.4 | 0.06288
2025-07-28T04:30 | 17.3 |
                         0.07500
2025-07-28T05:15 | 17.4 | 0.11500
2025-07-28T06:15 | 17.6 |
                         0.09593
2025-07-28T07:15 | 18.6 | 0.08327
2025-07-28T08:15 | 18.8
                         0.07508
2025-07-28T09:15 | 20.5 | 0.07109
2025-07-28T10:15 | 21.1
                         0.06438
2025-07-28T11:00 | 21.7 | 0.06058
2025-07-28T12:15 | 21.1
                         0.05116
2025-07-28T13:30 | 21.1 | 0.05495
2025-07-28T14:15 | 22.1
                         0.05839
2025-07-28T15:15 | 23.5 | 0.06880
2025-07-28T16:15 | 23.2 |
                         0.08200
2025-07-28T17:15 | 22.7 |
                         0.09742
2025-07-28T18:15 | 21.9 |
                         0.11561
2025-07-28T19:00 | 21.2 | 0.11653
2025-07-28T20:15 | 20.2 | 0.10612
2025-07-28T21:00 | 19.4 | 0.08839
2025-07-28T22:00 | 18.5 |
                         0.08319
2025-07-28T23:00 | 17.9 | 0.07795
2025-07-29T01:00 | 16.4 | 0.07536
2025-07-29T03:45 | 14.6 | 0.08517
2025-07-29T04:30 | 14.8 | 0.09688
2025-07-29T05:15 | 15.0 | 0.10582
2025-07-29T06:15 | 16.0 | 0.09902
                         0.07413
2025-07-29T07:15 | 17.5 |
2025-07-29T08:15 | 18.8 |
                         0.05867
2025-07-29T09:15 | 19.8 | 0.04898
2025-07-29T10:15 | 20.2 | 0.02577
2025-07-29T11:00 | 20.6 | 0.00460
2025-07-29T12:15 | 21.3 |
                         0.00203
2025-07-29T13:30 | 20.9 | 0.00709
2025-07-29T14:15 | 20.9 | 0.04137
2025-07-29T15:15 | 20.6 | 0.07483
2025-07-29T16:15 | 20.6 | 0.08885
2025-07-29T17:15 | 20.3 | 0.10804 |
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2025-07-29T18:15 | 20.0 | 0.12921 |
2025-07-29T19:15 | 19.0 |
                         0.12743
2025-07-29T20:15 | 18.2 | 0.11234
2025-07-29T21:00 | 17.6 | 0.10300
2025-07-29T22:00 | 16.8 |
                         0.08999
2025-07-29T23:00 | 15.9 |
                         0.08601
2025-07-30T01:00 | 15.4 | 0.07199
2025-07-30T03:30 | 14.8 | 0.08055
2025-07-30T04:30 | 14.5 |
                         0.09350
2025-07-30T05:15 | 14.8 |
                         0.09293
2025-07-30T06:15 | 15.7
                         0.09545
2025-07-30T07:15 | 17.0 | 0.08010
2025-07-30T08:15 | 18.3
                         0.06220
2025-07-30T09:15 | 19.6 | 0.04035
2025-07-30T10:15 | 20.6 |
                         0.02479
2025-07-30T11:00 | 21.2 | 0.01769
2025-07-30T12:15 | 22.4 |
                         0.01070
2025-07-30T13:30 | 22.8 |
                         0.02697
2025-07-30T14:15 | 22.8
                         0.03893
2025-07-30T15:15 | 23.2 |
                         0.06403
2025-07-30T16:15 | 23.0
                         0.08003
2025-07-30T17:00 | 22.6 |
                         0.10271
2025-07-30T18:15 | 21.1
                         0.11297
2025-07-30T19:15 | 18.3 | 0.11045
2025-07-30T20:00 | 19.1
                         0.10420
2025-07-30T21:00 | 18.2 |
                         0.09302
2025-07-30T22:00 | 17.5
                         0.08960
2025-07-30T23:00 | 17.2 | 0.08319
2025-07-31T01:00 | 16.7 |
                         0.07810
2025-07-31T03:15 | 15.2 | 0.08146
2025-07-31T04:30 | 15.1 |
                         0.09946
2025-07-31T05:15 | 15.4 | 0.10051
2025-07-31T06:15 | 15.8 | 0.09411
2025-07-31T07:15 | 15.9 |
                         0.09089
2025-07-31T08:15 | 16.8 |
                         0.06894
2025-07-31T09:15 | 17.5 |
                         0.06384
2025-07-31T10:15 | 16.9 |
                         0.05680
2025-07-31T11:00 | 16.8 |
                         0.04130
2025-07-31T12:15 | 17.5 |
                         0.03239
2025-07-31T13:30 | 18.5 | 0.04789
2025-07-31T14:15 | 18.6 | 0.06675
2025-07-31T15:15 | 18.8 | 0.08234
2025-07-31T16:15 | 18.2 |
                         0.09493
2025-07-31T17:15 | 18.4 | 0.11400
2025-07-31T18:15 | 18.1 | 0.13010
2025-07-31T19:15 | 17.5 | 0.12571
2025-07-31T20:15 | 17.1 |
                         0.11439
2025-07-31T21:00 | 17.0 | 0.10300
2025-07-31T22:00 | 16.6 | 0.10485
2025-07-31T23:00 | 16.7 | 0.09706
2025-08-01T01:15 | 16.4 | 0.08466
2025-08-01T03:45 | 15.7 | 0.08486 |
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2025-08-01T04:45 | 15.6 | 0.09296
2025-08-01T05:15 | 15.7 |
                         0.10442
2025-08-01T06:15 | 16.4 | 0.10664
2025-08-01T07:15 | 17.1 | 0.09280
2025-08-01T08:15 | 17.8 |
                         0.09540
2025-08-01T09:15 | 18.5 |
                         0.08153
2025-08-01T10:15 | 19.0 |
                         0.06484
2025-08-01T11:00 | 18.9 | 0.05179
2025-08-01T12:15 | 20.1
                         0.04129
2025-08-01T13:30 | 19.5 |
                         0.03959
2025-08-01T14:15 | 19.5
                         0.05584
2025-08-01T15:00 | 19.6 | 0.05613
2025-08-01T16:15 | 20.0
                         0.08150
2025-08-01T17:15 | 19.9 |
                         0.09531
2025-08-01T18:15 | 19.7
                         0.10472
2025-08-01T19:00 | 19.4 | 0.11235
                         0.10758
2025-08-01T20:15 | 18.6 |
2025-08-01T21:00 | 18.0 |
                         0.10011
                         0.10077
2025-08-01T22:00 | 17.6
2025-08-01T23:00 | 16.8 | 0.08746
2025-08-02T01:00 | 16.1
                         0.07228
2025-08-02T03:15 | 15.6 |
                         0.06981
2025-08-02T05:15 | 16.2
                         0.06806
2025-08-02T06:15 | 16.6 | 0.05900
                         0.04982
2025-08-02T07:00 | 16.9
2025-08-02T08:15 | 18.6 | 0.02722
2025-08-02T09:15 | 19.1
                         0.00568
2025-08-02T10:00 | 19.5 | 0.00295
2025-08-02T14:00 | 20.0 |
                         0.00389
2025-08-02T15:00 | 22.8 |
                         0.04695
2025-08-02T16:15 | 21.6 |
                         0.07641
2025-08-02T17:00 | 22.2 | 0.10597
2025-08-02T18:15 | 21.7 |
                         0.11335
2025-08-02T19:00 | 21.2 |
                         0.10927
2025-08-02T20:00 | 20.5 |
                         0.10483
2025-08-02T21:00 | 19.8 | 0.09642
2025-08-02T22:00 | 19.2 |
                         0.08551
2025-08-02T23:00 | 17.6 | 0.07707
2025-08-03T01:00 | 16.1 |
                         0.06408
2025-08-03T03:45 | 14.8 | 0.05649
2025-08-03T04:30 | 15.0 | 0.04510
2025-08-03T05:15 | 15.4 | 0.02720
2025-08-03T06:15 |
                   16.2 l
                         0.00616
2025-08-03T08:15 | 17.4 | -0.00101
2025-08-03T09:00 | 17.4 | -0.00210
2025-08-03T10:15 | 18.0 | -0.00300
2025-08-03T11:00 | 18.3 |
                         -0.00990
2025-08-03T12:15 | 19.3 | -0.01008
2025-08-03T13:15 | 19.1 | -0.00498
2025-08-03T14:00 | 19.2 | -0.00150 |
2025-08-03T15:00 | 18.0 | 0.00271
2025-08-03T16:15 | 17.5 | 0.03846 |
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2025-08-03T17:00 | 17.0 | 0.08634
2025-08-03T18:15 | 16.7
                         0.09952
2025-08-03T19:00 | 16.5 | 0.09605
2025-08-03T20:00 | 16.5 | 0.09735
2025-08-03T21:00 | 16.1
                         0.08509
2025-08-03T22:00 | 15.8 |
                         0.08102
2025-08-03T23:00 | 15.8 | 0.07007
2025-08-04T01:00 | 15.4 | 0.07827
2025-08-04T03:45 | 15.2 |
                         0.08418
2025-08-04T04:45 | 15.1 |
                         0.09655
2025-08-04T05:30 | 15.1
                         0.10651
2025-08-04T06:15 | 15.2 | 0.10506
2025-08-04T07:15 | 16.0 |
                         0.09705
2025-08-04T08:15 | 17.6 | 0.06600
2025-08-04T09:15 | 19.6
                         0.03346
2025-08-04T10:15 | 20.1
                         0.01049
2025-08-04T11:00 | 19.5
                         0.00405
2025-08-04T12:15 | 20.0 |
                         0.00065 |
2025-08-04T13:30 | 21.0
                         -0.00065 l
2025-08-04T14:15 | 21.6 | 0.00557
2025-08-04T15:15 | 22.6 |
                         0.01669
2025-08-04T16:15 | 23.0 |
                         0.04539
2025-08-04T17:15 | 23.1
                         0.07312
2025-08-04T18:15 | 22.5 | 0.07505
2025-08-04T19:15 | 21.1
                         0.07377
2025-08-04T20:15 | 20.4 | 0.06705
2025-08-04T21:00 | 20.2 |
                         0.04891
2025-08-04T22:00 | 19.9 | 0.01414
2025-08-04T23:00 | 19.6 |
                         0.01140
2025-08-05T01:00 | 19.2 |
                         0.01780
2025-08-05T03:30 | 18.8 |
                         0.03319
2025-08-05T04:30 | 18.8 | 0.04027
2025-08-05T05:15 | 18.9 | 0.04145
2025-08-05T06:15 | 19.0 |
                         0.03474
2025-08-05T07:15 | 19.1
                         0.00167
2025-08-05T08:15 | 19.8 | -0.00255
2025-08-05T09:15 | 18.5 |
                         -0.00658
2025-08-05T10:15 | 17.6 | -0.01420
2025-08-05T11:00 | 17.1
                         -0.03530
2025-08-05T12:15 | 18.3
                        1-0.02576
2025-08-05T13:30 | 18.9 | -0.01470
2025-08-05T14:15 | 19.5
                         -0.01415
2025-08-05T15:15 |
                   20.5
                         -0.00171 |
2025-08-05T16:15 | 20.8 | 0.00131
2025-08-05T17:00 | 20.4 | 0.05826
2025-08-05T18:15 | 19.5
                         0.08111
2025-08-05T19:15
                   18.9
                         0.09321
2025-08-05T20:15 | 17.5 | 0.09036
2025-08-05T21:00 | 16.6 | 0.07852
2025-08-05T22:15 | 15.6 | 0.07675
2025-08-05T23:15 | 15.1 | 0.04874
2025-08-06T01:00 | 14.1 | 0.04418 |
```

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2025-08-06T03:30 | 12.8 | 0.06588
2025-08-06T04:30 | 12.6 |
                         0.10576
2025-08-06T05:15 | 12.7 | 0.10391
2025-08-06T06:15 | 13.7 |
                         0.09000
2025-08-06T07:15 | 15.0
                         0.03057
2025-08-06T08:15 | 16.7
                         -0.00001
2025-08-06T09:15 | 17.9 | -0.00100
2025-08-06T11:00 | 20.0 | -0.00220 |
2025-08-06T12:15 | 21.1
                         -0.00102
2025-08-06T13:30 | 21.6 |
                         0.00015
2025-08-06T14:15 | 21.6 | 0.00194
2025-08-06T15:15 | 21.6 | 0.05205
2025-08-06T16:15 | 21.5 |
                         0.09267
2025-08-06T17:15 | 21.4 |
                         0.10951
2025-08-06T18:15 | 20.8
                         0.13901
2025-08-06T19:00 | 20.0 | 0.15451
                         0.11000
2025-08-06T20:15 | 19.1
2025-08-06T21:00 | 18.5
                         0.09858
2025-08-06T22:15 | 17.5
                         0.09591
                         0.08375
2025-08-06T23:00 | 16.5
2025-08-07T01:00 | 15.2
                         0.06857
2025-08-07T03:30 | 14.6
                         0.06426
2025-08-07T04:30 | 14.3
                         0.07149
2025-08-07T05:15 | 14.6
                        0.08704
2025-08-07T06:15 | 15.5
                         0.08544
2025-08-07T07:15 | 17.1
                         0.07390
2025-08-07T08:15 | 19.0
                         0.02223
2025-08-07T10:15 | 21.9
                        | -0.00003
2025-08-07T11:00 | 22.9 |
                         -0.00018
2025-08-07T12:15 | 24.0
                         -0.00019
2025-08-07T13:30 | 25.0 |
                         -0.00001 l
2025-08-07T14:15 | 25.2 | 0.00200 |
2025-08-07T15:15 | 25.4 |
                         0.05649
2025-08-07T16:15 | 25.6 |
                         0.08057
                   25.2
2025-08-07T17:15 |
                         0.10310
2025-08-07T18:15 | 24.5
                         0.11605
2025-08-07T19:15 | 23.5 |
                         0.11830
2025-08-07T20:15 | 22.2
                         0.11000
2025-08-07T21:00 |
                   21.3
                         0.10128
2025-08-07T22:15 | 20.5
                         0.08251
2025-08-07T23:00 | 19.8 | 0.07560
2025-08-08T01:00 | 19.5 |
                         0.06544
2025-08-08T03:30 | 18.1
                         0.07944
2025-08-08T04:30 | 18.4 | 0.09075
2025-08-08T05:15 | 18.7 | 0.09715
2025-08-08T06:15 | 19.4 | 0.10046
2025-08-08T07:15
                   20.5 I
                         0.08828
2025-08-08T08:15 | 21.9
                        0.06517
2025-08-08T09:15 | 22.6 | 0.00839 |
2025-08-08T11:00 | 25.0 | -0.00001 |
2025-08-08T12:15 | 26.3 | -0.00002 |
2025-08-08T13:30 | 27.6 | -0.00001 |
```

```
2025-08-08T14:15 | 27.7 | 0.01049
2025-08-08T15:15 |
                   27.5
                         0.06051
2025-08-08T16:15 | 26.8 | 0.08452
2025-08-08T17:00 | 26.5 |
                         0.10885
2025-08-08T18:15 | 25.3
                         0.12668
2025-08-08T19:00 | 24.5 |
                         0.12462
2025-08-08T20:15 | 23.2
                         0.11000
2025-08-08T21:00 | 22.5 |
                         0.10174
2025-08-08T22:00 | 21.6
                         0.09355
2025-08-08T23:15 | 20.5 |
                         0.08424
2025-08-09T01:00 | 19.2 |
                         0.06812
2025-08-09T03:15 | 17.4 | 0.06882
2025-08-09T04:15 | 17.0
                         0.07990
2025-08-09T05:00 | 16.8 |
                         0.06994
2025-08-09T06:15 | 18.8
                         0.05731
2025-08-09T07:00 | 20.3 |
                         0.01534 |
                         -0.00002 |
2025-08-09T08:15 | 22.9
2025-08-09T09:00 | 24.1
                         -0.00100
2025-08-09T10:00 | 25.5
                         -0.00705
2025-08-09T11:00 | 26.5 |
                         -0.02396
2025-08-09T12:15 | 27.8
                         -0.02449
2025-08-09T13:15 | 28.6 |
                         -0.00434
2025-08-09T14:00 | 28.9
                         -0.00005 l
2025-08-09T15:00 | 29.1
                         0.00330
2025-08-09T16:15 | 29.3
                         0.05499
2025-08-09T17:00 | 29.5 | 0.08584
2025-08-09T18:15 | 28.4 |
                         0.10488
2025-08-09T19:00 | 27.4 | 0.10006
2025-08-09T20:00 | 26.4 |
                         0.09700
2025-08-09T21:00 | 24.8 | 0.09393
2025-08-09T22:00 | 23.5 |
                         0.08540
2025-08-09T23:00 | 22.4 | 0.08463
2025-08-10T01:00 | 20.4 | 0.08047
2025-08-10T03:30 | 17.5 |
                         0.08700
2025-08-10T04:30 | 17.3 |
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2025-08-10T05:15 | 16.9 | 0.07660
2025-08-10T06:15 | 17.1 |
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2025-08-10T07:00 | 17.7
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2025-08-10T08:15 | 19.6 |
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2025-08-10T09:00 | 20.1 | -0.01560
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2025-08-10T11:00 | 22.5
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2025-08-10T12:15 | 23.8 |
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2025-08-10T13:15 | 24.2
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2025-08-10T14:00 | 24.5 |
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2025-08-10T15:00 | 24.9
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2025-08-10T16:15 |
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2025-08-11T16:15 | 25.9 |
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2025-08-12T04:15 | 16.5 | 0.08788
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2025-08-12T07:00 | 19.5
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2025-08-12T09:15 | 24.2
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2025-08-12T10:00 | 25.5 | 0.00838
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2025-08-12T12:15 | 28.2 | 0.00515
2025-08-12T13:30 | 29.0 |
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2025-08-14T13:30 | 33.0
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                         0.07899
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2025-08-14T17:00 | 32.8 |
                         0.16600
2025-08-14T18:15 | 31.5 | 0.22180
2025-08-14T19:00 | 30.4 |
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2025-08-14T22:00 | 26.6 | 0.09413
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2025-08-16T23:00 | 17.5 | 0.08690
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