REGULATION (EU) 2019/943

ON THE INTERNAL MARKET FOR

ELECTRICITY- ARTICLE 19E

July 2026

Report Reference 03/2026

Any correspondence for this document should be sent to the Cyprus Energy Regulatory Authority

FLEXIBILITY NEEDS ASSESSMENT RERORT IN ACCORDANCE WITH ARTICLE 19(E) OF REGULATION (EU) 2019/943 ON THE INTERNAL MARKET FOR ELECTRICITY

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1. INTRODUCTION

Regulation (EU) 2019/943 of the European Parliament and of the Council on the internal market for electricity, sets the basis for an efficient achievement of the objectives of the Energy Union regarding the climate and energy framework for 2030, by enabling market signals to be delivered for increased efficiency, higher share of renewable energy sources, security of supply, flexibility, sustainability, decarbonisation and innovation and sets fundamental principles for well-functioning, integrated electricity markets.

While decarbonisation of the electricity sector renders energy from renewable sources a major part of the market, it is crucial that the market encourages investments that support infrastructure, such as more flexible generation, interconnection, demand response and energy storage. More specifically, in order to integrate the growing share of renewable energy, the electricity system needs to use all available sources of flexibility, particularly demand side solutions and energy storage, and should make use of digitalisation through the integration of innovative technologies with the electricity system.

Regulation (EU) 2019/943 was amended by Regulation (EU) 2024/1747 as regards improving the Union's electricity market design. One of the relevant objectives was to provide specific investment incentives to achieve decarbonisation objectives through supporting long-term investment in renewable energy generation, flexibility and grids and as such has laid down a framework for the assessment of flexibility needs (FNA).

Based on Article 19e of Regulation (EU) 209/943, no later than the 25th of July 2026, the regulatory authority or another authority or entity designated by a Member State (MS), shall adopt a report on the estimated flexibility needs for a period of at least the next 5 to 10 years at national level, in view of the need to cost effectively achieve security and reliability of supply and decarbonize the electricity system, taking into account the integration of variable renewable energy sources (RES) and the different sectors, as well as the interconnected

nature of the electricity market, including interconnection targets and potential availability of cross- border flexibility.

Besides, as per paragraph 6 of the Article 19e, the European Union Agency for the Cooperation of Energy Regulators (ACER) has approved the proposal of the European Network of Transmission System Operators (ENTSO) for Electricity and the EU DSO entity regarding the type of data and format to be submitted to a regulatory authority or another authority or entity designated to adopt the FNA Report, through the Decision on the approval of the FNA Methodology (ACER Decision No.05/2025). ACER's FNA Methodology aims on a harmonized assessment of the flexibility needs of the electricity systems of the European MS.

The FNA reports are necessary in view of the need to cost-effectively achieve security and reliability of supply and decarbonize the electricity system and as per Article 19f, will support the MS in setting their indicative national objectives for non-fossil flexibility.

Furthermore, as indicated in paragraph 7 of the Article 19e, the national FNA reports will be submitted to the Commission and to ACER and will be published. Within 12 months of receipt of the reports, ACER shall issue a report analysing them and providing recommendations on issues of cross-border relevance regarding the findings of the regulatory authority or another authority or entity designated pursuant to paragraph 1, including recommendations on removing barriers to the entry of non-fossil flexibility resources.

2. ROLE AND ACTIONS OF THE CYPRUS ENERGY REGULATORY AUTHORITY

The Cyprus Energy Regulatory Authority (CERA) has been designated as the competent authority for the preparation of the National Assessment Report on the Estimated Flexibility Needs (FNA Report) in accordance with the Article 19e of the Regulation (EU) 2019/943 “on the internal market of electricity”.

Based on paragraph 1 of the above mentioned Article, CERA shall adopt no later than one year after the approval by ACER of the FNA methodology (ACER Decision No.05/2025, dated on the 25th of July 2025) and every two years thereafter, a report on the estimated flexibility needs for a period of at least the next 5 to 10 years at national level, in view of the need to cost effectively achieve security and reliability of supply and decarbonization of the electricity system.

The FNA Report shall:

(a) be consistent with the European Resource Adequacy Assessment (ERAA) and National Resource Adequacy Assessments (NRAA) conducted pursuant to Articles 23 and 24; and

(b) be based on the data and analyses provided by the transmission system operators and distribution system operators of each Member State pursuant to paragraph 3 of Article 19e and using the common methodology pursuant to paragraph 4 of Article 19e and, where duly justified, additional data and analysis.

Furthermore, the FNA Report shall:

(a) evaluate the different types of flexibility needs, at least on a seasonal, daily and hourly basis, to integrate electricity generated from renewable sources in the electricity system, inter alia, different assumptions in respect to electricity market prices, generation and demand;

(b) consider the potential of non-fossil flexibility resources such as demand response and energy storage, including aggregation and interconnection, to fulfil the flexibility needs, both at transmission and distribution levels;
(c) evaluate the barriers for flexibility in the market and propose relevant mitigation measures and incentives, including the removal of regulatory barriers and possible improvements to markets and system operation services or products;
(d) evaluate the contribution of digitalization of electricity transmission and distribution networks; and
(e) take into account sources of flexibility that are expected to be available in other Member States.

In alignment with the provisions of paragraphs 2 and of 3 of Article 19e, the data and analysis that are needed for the preparation of the report should be provided by the Transmission System Operator and the Distributing System in the type, the format and the analysis defined in ACER's Decision on the FNA Methodology: Annex I – "Type and format of data and the methodology for TSOs' and DSOs' flexibility needs analysis".

In this respect, and as per the provisions of Article 4 of the FNA Methodology, on the 2nd of March 2026, CERA held a meeting with the Transmission System Operator of Cyprus (TSOC) and the Distribution System Operator of Cyprus (DSO), in order to agree among others on the following:

- The exact scope of data and analysis that the TSOC and the DSO intend to provide at national level;
- Their respective roles and responsibilities in provided the data and analysis;
- Estimated timeline for the exchange of data;
- Common target years for the purpose of data and analysis pursuant to Article 6(1) of the FNA Methodology,
- Temporal, spatial and voltage granularity of DSO data pursuant to Articles 6 and 10 of the FNA Methodology,

- Additional assumptions to be used for the purpose of the FNA methodology.

During the above mentioned meeting and as per Article 6 of the FNA Methodology, it was agreed that the TSOC and the DSO will provide the data and analysis for the two following target years:

i. Year 2028, which is already being assessed for the preparation of both the European Resource Adequacy Assessment Report (ERAA) and the National Resource Adequacy Assessment (NRAA), as requested in paragraph 1 of the Regulation (EU) 2019/943 and Article 7 of the FNA Methodology, and

ii. Year 2030, which is an EU policy target year, as requested in Article 19 (4) (b) (iii) of the Regulation (EU) 2019/943.

With regards to ERAA, it is specified that the Republic of Cyprus currently obtains exemption for Articles 23 and 24 of the Regulation (EU) 2019/943.

Furthermore, it was agreed that the TSOC will provide data and analysis for three climate years and in particular for the years 2023, 2024, 2025, since these data are the most recent available data and have been considered in the NRAA for the target year 2028.

In addition to the above, during the meeting the following were agreed:

i. Flexibility resources will be assessed with technological neutrality, but considering realistic deployment capabilities in Cyprus by 2030. Thus, Battery Energy Storage Systems (BESS) with an energy-to-power ratio of 2 and 4 hours will be examined, as these configurations are considered realistic for implementation in Cyprus within the specific time horizon.

ii. The TSOC will not perform analyses under Article 12 (“TSO Network Flexibility Needs”) of the ACER’s FNA Methodology since:

a) RES curtailments to be considered in the report arise from surplus RES generation relative to total system demand. RES curtailments resulting from transmission system constraints are not examined, as the Cypriot electricity system does not currently experience—nor is it expected to experience—significant local curtailments due to network congestion;
b) There is optionality to conduct analyses under Article 12;
c) Article 13 analysis is required only if congestion related curtailments exceed 10% of total curtailments, which is not applicable in our case.

iii. The scenarios and assumptions to be used for the FNA will be the same with the scenario and assumptions of the NRAA. Among these the most important assumptions are that there will not be an electric interconnection in operation by 2030 and that the natural gas will be available for commercial operation of conventional generation units by 01/07/2030.

iv. The DSO will perform analysis as per the FNA Methodology requirements only for Medium Voltage level of the distribution system, as the Low Voltage level is not modeled in the analysis software used by the DSO.

v. The DSO will not incorporate demand and response as input data in the flexibility assessment analysis since relevant data are not available.

Another important decision taken during the above mentioned meeting, was the following timeline for the exchange of data :

- by the 6th of March 2026 the DSO will inform in writing the TSOC of the data required to be able to proceed with the DSO's FNA analysis;
- by the end of March the TSOC will provide the above specified data to the DSO;
- by the end of May 2026 both TSOC and DSO will provide the required data and analysis to CERA (as per Article 4 (2) of the FNA Methodology) in order to proceed with timely adoption of the National Assessment Report on the Estimated Flexibility Needs.

The table below summarizes the data, assumption and responsibilities that were agreed between the National Regulatory Authority (CERA), the TSOC and the DSO.

Type of Data or Timeline	Relevant Article in the FNA Methodology	Data or Timeline	Responsible Entity
Timeline for the exchange of data	Art 4 (2)	Exchange of data to be concluded by the end of May 2026	TSO, DSO
Target years	Art 6(1)	2028 and 2030	TSO, DSO
Climate years	Art 6(5)	2023, 2024, 2025	TSO
Temporal Granularity	Art 11	TSO: Seasonal, Weekdays – Weekend, Hourly DSO: Hourly	TSO, DSO
Spatial Granularity	Art 11	Member State Area	TSO, DSO
Voltage Granularity	Art 11	Medium Voltage	DSO
Barriers	Art 15		NRA

3. DATA AND METHODOLOGY

The assessment of the flexibility needs in the Republic of Cyprus was conducted based on the data and analyses provided by the TSOC and the DSO in accordance to the relevant ACER's Methodology, as described in the Annex I of the ACER's Decision No.05/2025.

The current Section of the FNA Report specifies the sources of data, the specific assumptions taken and the scenarios used by the TSOC and DSO, taking into account the specific characteristics of the Cyprus electricity system as a small and isolated system without electrical interconnection.

As mentioned in Section 2 of the FNA Report, analyses were performed for the target years 2028 and 2030, using climatological years 2023, 2024 and 2025, in order to capture weather-related variability affecting both demand and RES generation.

3.1. Data and analysis provided by the TSOC

The input data and the FNA analysis provided by the TSOC are provided in the Appendix I of the present Report.

The set of input data in the format indicated in the Tables of Annex 1 of the FNA Methodology (with exemption of Tables 4, 9 and 13 that are not applicable for the Republic of Cyprus as described in the present Report), along with the FNA results in the format indicated by Table 14 of the above mentioned Annex, will be provided through the dedicated ACER Platform.

3.1.1 Methodology

The TSOC's study was based on a time series with an one-hour resolution and on assumptions and scenarios aligned with those of the NRAA for the period 2027-2030. Analyses were conducted through chronological simulations of system operation, considering technical constraints of conventional units, storage characteristics, reserve requirements, and RES/demand variability. Results were

used to identify flexibility gaps, quantify storage needs, evaluate RES curtailment reduction, and assess the contribution of flexibility resources to achieve a secure and efficient electricity system.

RES curtailments considered in the study arise from surplus RES generation relative to total system demand. RES curtailments resulting from transmission system constraints are not examined, as the Cypriot electricity system does not currently experience—nor is it expected to experience—significant local curtailments due to network congestion. Besides, taking into account that there is optionality to conduct analyses under Article 12 and the fact that Article 13 analysis is required only if congestion-related curtailments exceed a certain share of total curtailments (10%), it was decided during the meeting among CERA, TSOC and DSO that the TSOC will not perform analyses under Article 12 ("TSO Network Flexibility Needs") of the ACER's FNA Methodology.

Flexibility resources were assessed with technological neutrality, but taking into account realistic deployment capabilities of such flexibility resources in the Republic of Cyprus by 2030. Thus, Battery Energy Storage Systems (BESS) of 2-hours duration was examined, with a sensitivity analysis of BESS of 4-hours duration, as these configurations are considered realistic for implementation in Cyprus within the specific time horizon, with 2-hours duration being the most realistic option for the following 3-4 years. In addition, this technology can accommodate the system demand curve characteristics, night peak duration and implementation timelines of alternative storage technologies. Furthermore, it is not foreseen to have mature pumped-storage projects and high demand hydrogen projects in the Republic of Cyprus before 2030.

More details on the TSOC's Methodology are provided below.

3.1.1.1 Forecast Time Series for Demand and RES Generation

In order to incorporate stochasticity in the forecast of RES generation and electricity demand for the target years the analysis took into account as a time series the historical demand data and the RES generation data of the years 2023,

2024, 2025 based on the extrapolation used for the NRAA. Additional constant base loads were added. In particular, 50MW for new desalination units were taken into account for each of the year under study as well as 95MW in year 2030 for cold ironing purposes (70MW for Limassol Port and 25MW for Larnaca Port).

Regarding the RES generation, the installed capacity of windfarms was considered to remain unchanged for the period of the analysis (167.1MW). Biomass and small conventional units were treated as negative demand. The installed capacity of PV systems was considered to increase by 120MW on an annual basis and this increase was distributed equally on a monthly basis. As such the expected installed capacity of PV systems for each month of the years under consideration is presented below:

Month	PV Capacity 2028 (MW)	PV Capacity 2030 (MW)
January	1200	1440
February	1210	1450
March	1220	1460
April	1230	1470
May	1240	1480
June	1250	1490
July	1260	1500
August	1270	1510
September	1280	1520
October	1290	1530
November	1300	1540
December	1310	1550

3.1.1.2 Generation Units Availability

The availability of the conventional generation units currently under operation was determined using the preliminary maintenance schedule provided by the Electricity Authority of Cyprus (EAC). The availability of the conventional generation units to be installed within the period of the analysis is also taking into consideration the expected timeline of natural gas being available for power production (taking into account commissioning and testing period required). Unplanned outages were included using statistical data provided by EAC.

Regarding energy storage systems, year round availability was considered. Additionally, their power supply capability was considered to be time-constrained by their available capacity.

Under ERAA Methodology, one hundred (100) independent production units availability scenarios were assessed for each basis year (2023, 2024, 2025). For the NRAA Study, the values of the adequacy indicators (LOLE, EENS) for each of the above mentioned years were calculated as the average of the adequacy indicators values per the 100 independent scenarios.

For the FNA Report, only one scenario was used for each basis year, a “representative scenario”, in order to reduce computational constraints. More specifically, since the NRAA Study results were available during the flexibility needs assessment, the scenario selected for each basis year was the one providing adequacy indicators values similar to the average values for each basis year.

3.1.1.3 Operating Margin

In addition to the obligation to cover demand, it was considered necessary to add a minimum reserve margin of 60 MW to demand, representing Frequency Containment Reserve (FCR) and Frequency Replacement Reserve (FRR), according to the TSOC’s Operating Margin Policy.

3.1.1.4 UCED Computational Tool

The KOIOS Research Center of the University of Cyprus, has developed a Unit Commitment and Economic Dispatch (UCED) tool to enable the assessment of flexibility through the use of UCED models. For the FNA Report the approach of Mixed Integer Linear Programming (MILP) without relaxations was used, enabling accurate simulation of the electricity system operation and detailed representation of technical constraints of the generation units.

3.1.1.5 Flexibility Needs Calculation Methodology

Demand and RES time series (wind and PV) were used as input data into the UCED tool. Based on generation unit availability, as indicated by the representative scenario used for each basis year, the daily commitment program and economic dispatch of the generation units were determined on an hourly basis. The output data/results of the UCED tool consist of times series data that are used at a later stage for the analysis and assessment of the system operation and the flexibility needs under different operating conditions and RES penetration levels.

More detail is provided in the excel sheets provided by the TSOC, which capture the analysis required as per Articles 8, 9 and 10 of the FNA Methodology. These sheets are provided in the Appendix I. In summary, the following are mentioned.

Article 8 – System Needs-RES Integration Needs

According to ***Articles 8(2) and 8(3)***, the RES curtailment time series used for the RES integration needs assessment is derived from UCED-based RES curtailment and adjusted, where applicable, to reflect additional downward flexibility related to curtailment components identified under Article 9 and Article 10. The final RES curtailment is calculated at hourly granularity as:

> **Final RES Curtailment = UCED RES Curtailment + MAX (Downward Ramping Add-on, Downward Short-Term Add-on)**

The MAX operator is applied hourly to avoid double counting between the Article 9 downward ramping-related add-on and the Article 10 downward short-term flexibility-related add-on. The annual Total Final RES Curtailment is calculated by summing the hourly final RES curtailment values. In each hour, only the larger of the Article 9 downward ramping add-on and the Article 10 downward short-term add-on is applied. Therefore, the annual totals of the two add-ons are shown for transparency, but they are not directly summed together.

According to ***Article 8(4)(a)***, the RES curtailment time series is characterised through summary indicators describing the level, duration and severity of RES curtailment for each scenario. There is a relevant table in Appendix I which summarizes the main RES curtailment indicators, including PV curtailment, wind curtailment, total UCED-based RES curtailment, downward flexibility-related add-ons, final RES curtailment, curtailment hours, hourly curtailment statistics, absorbed RES generation, available RES generation, curtailment share and residual load indicators.

The total final RES curtailment values include all hourly final RES curtailment values, including very small values below 1 MWh. The 1 MWh per hour threshold is applied only for curtailment-hour, minimum/average curtailment during significant curtailment hours, and event-related statistics. Total final RES curtailment energy and maximum hourly curtailment are not affected by this threshold.

Total available RES generation is calculated as absorbed RES generation plus final RES curtailment. The final RES curtailment share is calculated as total final RES curtailment divided by total available RES generation.

According to ***Article 8(4)(b),*** the RES curtailment time series shall be characterized through probability distribution and relevant percentiles. As per the relevant excel sheet, provided in Appendix I, the TSOC reports selected percentiles of the final RES curtailment time series for each scenario. The final RES curtailment values include UCED-based RES curtailment and the applicable downward flexibility-related add-on calculated at hourly granularity.

According to ***Article 8(4)(d),*** the RES curtailment time series was analyzed in relation to relevant system conditions, including demand, solar generation and wind generation. The relevant excel sheet in Appendix I reports correlation coefficients between the final RES curtailment time series and selected system variables for each scenario. The final RES curtailment time series includes UCED-based RES curtailment and the applicable downward flexibility-related add-on calculated at hourly granularity.

Correlation values range from -1 to +1. Positive values indicate that RES curtailment tends to increase when the corresponding system variable increases. Negative values indicate an inverse relationship, while values close to zero indicate weak linear relationship.

The curtailment flag used in the correlation analysis is based on the significant curtailment threshold of 1 MWh per hour. Therefore, the flag-based correlations describe the relationship between the occurrence of significant RES curtailment and the corresponding system variables.

Must-run generation is constant in this assessment and is therefore reported as not applicable for correlation analysis.

According to ***Article 8(5)***, the residual load time series shall be characterized in terms of variability across the relevant timeframes. The relevant excel sheet in Appendix I summarizes the residual load variability indicators for each scenario, including average, minimum and maximum residual load, average absolute hourly residual load change, maximum hourly increase and decrease, average and maximum daily residual load range, and the number and share of hours with negative residual load. Residual load is calculated as:

Residual Load = Load − PV Generation − Wind Generation − Must-Run Generation

Negative residual load hours indicate periods where PV generation, wind generation and must-run generation exceed system load, creating conditions that may require RES curtailment or additional downward flexibility.

Furthermore, as per the same paragraph of Article 8, residual load variability shall be characterised using established decomposition methodologies, such as time decomposition and Fourier decomposition.

In the time decomposition analysis, the residual load time series is characterised through hourly, daily and seasonal indicators. The hourly decomposition indicator is calculated as the sum of absolute deviations between hourly residual load and the corresponding daily average residual load. The daily decomposition indicator is calculated as the sum of absolute deviations between daily average residual load and the corresponding weekly average. The seasonal decomposition indicator is calculated as the sum of absolute deviations between monthly average residual load and the annual average residual load.

As a supplementary assessment, a Fourier harmonic decomposition is applied to selected periodic components of the residual load time series, including semi-daily, daily, weekly and annual/seasonal components. The main Fourier-based indicators are the Fourier Amplitude and the Approximate Variance Share. The Fourier Amplitude indicates the strength of the corresponding periodic component in MW, while the Approximate Variance Share indicates the relative contribution of that component to the overall residual load variability.

According ***to Articles 8(6)–8(9)***, the RES curtailment results are compared against the RES penetration target in order to assess whether the expected RES integration target is achieved and whether uncovered RES integration needs remain.

The RES penetration target is applied as a percentage of total consumed energy. The required integrated RES energy is calculated as Total Consumed Energy multiplied by the RES penetration target. In this assessment, **the RES penetration targets used are 28.9% for 2028 and 37.6% for 2030**.

Effective RES penetration is calculated using absorbed RES generation after curtailment. Available RES penetration is calculated using total available RES generation before curtailment.

Maximum Acceptable RES Curtailment represents the amount of available RES generation that could be curtailed while still meeting the RES penetration target. Curtailment-related Uncovered RES Integration Need is calculated as the amount of final RES curtailment exceeding this maximum acceptable curtailment.

Where the Available RES Penetration is below the RES penetration target, the target is not achievable even in the absence of RES curtailment. This reflects a residual RES target gap related to insufficient available RES generation in the scenario, rather than a curtailment-related RES integration need alone.

In accordance with ***Article 8(10)–8(12)***, the assessment of additional resources focuses on flexibility resources required to reduce RES curtailment where positive curtailment-related uncovered RES integration needs are identified. The quantification of additional RES capacity required to increase available RES generation is outside the scope of the Article 8 flexibility-resource assessment and would need to be addressed through generation expansion / RES development assumptions.

For the Cypriot isolated power system, the Article 8(10)–8(12) flexibility assessment was implemented through UCED scenarios including adding new flexibility resources to the system and in particular BESS configurations with energy-to-power ratio of 2-hours and 4-hours, in line with the realistic scope agreed with CERA (see Section 2). The 2-hours BESS configuration is represented in six scenarios, while the 4-hours BESS configuration is represented through two additional scenarios, one for each target year.

Higher energy-to-power ratios were not modelled as separate UCED cases in the present analysis, as they were not considered realistically deployable in the Republic of Cyprus within the analysis time period.

Article 8(13)–8(17) relate to fine-tuning, network-related constraints, unavailability, derating and avoidance of double counting. In the present analysis, no separate quantified network-related RES curtailment or unavailability time series was applied. Therefore, as indicated above, the Article 8 results are based

on the UCED-derived RES curtailment time series and the applicable downward flexibility-related add-ons from Article 9 and Article 10.

Article 9 – Ramping Needs

The ramping needs assessment is performed under Article 9(11) of the FNA Methodology. Since the UCED simulations used by TSOC embed ramping constraints, the assessment is limited to extracting and analysing the impact of ramping constraints directly from the economic dispatch simulation results.

As the simulation tool does not explicitly report uncovered ramping needs, the impact of ramping constraints is assessed by comparing two UCED simulations for each target year and weather/base-year scenario:

1. a full-constraints UCED simulation, where ramping constraints are applied; and

2. a relaxed-ramping UCED simulation, where ramping constraints are relaxed while keeping all other input assumptions unchanged.

Comparing ENS and RES curtailment between the two cases reveals additional flexibility needs caused by ramping constraints. The additional ENS observed in the full-constraints scenario compared with the relaxed-ramping scenario is interpreted as an upward ramping-related impact. The additional RES curtailment observed in the full-constraints scenario compared with the relaxed-ramping scenario is interpreted as a downward ramping-related impact, relevant for the RES integration needs assessment under Article 8.

Article 10 – Short-Term Flexibility Needs

Short-term flexibility needs were assessed by analyzing deviations between forecasted and actual residual load, driven by forecasting errors in demand and RES generation. Upward and downward flexibility requirements were derived from the distribution of forecast errors, using the 0.1% and 99.9% percentiles.

Available flexibility was evaluated from UCED results, considering technical limits of conventional generation units and BESS.

More specifically, according to **Article 10(2)**, the dispatch of flexible resources was extracted from the economic dispatch results for each MTU, weather/base-year scenario and target year. In this assessment, the relevant flexible resources considered in the residual margin calculation include dispatchable conventional generation units and battery storage assets represented in the UCED results.

For dispatchable generation units, the short-term residual margins were calculated using the difference between the dispatched power output and the technical minimum and maximum power limits of each unit. Only units that were online in the UCED dispatch were considered as immediately available for short-term residual margin provision. A unit was considered online when its dispatch was greater than zero.

For battery storage assets, the residual margins were calculated as net adjustment margins from the current charging or discharging operating point. The upward battery residual margin represents the ability of the battery to move from its current position towards maximum discharging capability, while the downward battery residual margin represents the ability to move from its current position towards maximum charging capability.

These battery margins represent the possible change in the net position of the battery and do not imply that the battery can inject power above its rated MW capacity. The total upward and downward residual margins were then calculated as the sum of the generation and battery residual margins for each hour.

The relevant table in Appendix I summarizes, for each scenario, the average, minimum and maximum upward and downward residual margins calculated from the hourly UCED-based residual margin time series. The 2-hours and 4-hours BESS are compared on the basis of the same BESS power rating but different energy capacities; therefore, differences between these cases arise from the

UCED dispatch and state-of-charge profile rather than from increased instantaneous power capability.

The calculation also supports the technical characterization required under **Article 10(3)**, as the residual margins are linked to unit-level technical assumptions such as Pmin, Pmax and storage power/energy constraints. Further dynamic constraints, such as ramp rates, start-up/shut-down times and minimum up/down times, are documented in the following sub-section “Assumptions” where available.

According to **Article 10(4),** the upward and downward uncovered short-term flexibility needs were calculated for each MTU and weather/base-year scenario by comparing the short-term flexibility needs derived under Article 10(1) with the available residual margins calculated under Article 10(2) and characterised under Article 10(3).

The uncovered short-term flexibility needs were calculated as follows:

Uncovered Upward ST Need = MAX(Upward ST Need − Total Upward Residual Margin, 0)

Uncovered Downward ST Need = MAX(Downward ST Need − Total Downward Residual Margin, 0)

A positive uncovered upward value indicates that the available upward residual margin is insufficient to cover the upward short-term flexibility need. A positive uncovered downward value indicates that the available downward residual margin is insufficient to cover the downward short-term flexibility need. A zero value indicates that the available residual margin is sufficient for the corresponding direction.

The relevant table in Appendix I summarises the uncovered short-term flexibility needs per scenario. The “Upward Hours” and “Downward Hours” columns show the number of hours where the corresponding uncovered need is greater than zero. The “Upward Events” and “Downward Events” columns show the number

of continuous event periods identified within each scenario. An event is defined as a continuous sequence of hours, within the same scenario, during which the uncovered need remains greater than zero.

The event duration indicators show the average and maximum duration of these continuous uncovered need events. The maximum uncovered capacity indicators show the highest hourly uncovered upward or downward need observed within each scenario. The average event capacity indicators represent the average capacity of the identified uncovered need events.

In accordance with **Article 10(5),** downward uncovered short-term flexibility needs are also relevant for the assessment of RES integration needs under Article 8, since insufficient downward flexibility may lead to additional RES curtailment. Therefore, the downward uncovered needs and their expected energy are retained as input for the subsequent RES integration needs assessment.

In line with **Article 10(6),** the expected energy associated with uncovered short-term flexibility needs was calculated as the uncovered capacity multiplied by the associated probability of occurrence of the event. Since the short-term flexibility needs in this assessment are based on the 0.1 and 99.9 percentile approach of Article 10(1), the associated tail probability was taken as 0.1%, i.e. 0.001. As the analysis is performed at hourly granularity, the MTU duration is 1 hour.

Expected Energy MWh = Uncovered Need MW × 1h × 0.001

The resulting expected energy values represent probability-weighted expected energy and not the raw hourly energy volume of the uncovered need.

It is mentioned that, in the present assessment, no quantified hourly unavailability time series or derating factors were available/applied. Therefore, the Article 10(2)–10(6) calculations were not repeated with derated residual margins, and **no separate derated residual margin time series is reported under Article 10(9)**.

Besides, **Article 10(10) is not applicable**, as the short-term flexibility needs were not extracted directly from an economic dispatch simulation embedding forecast errors. Instead, the short-term needs were calculated separately from residual load forecast error percentiles under Article 10(1) and then compared with UCED-based residual margins under Article 10(4).

3.1.2. Assumptions

The main assumptions used to incorporate the specific characteristics of the Cypriot electricity power system are indicated below.

3.1.2.1 Availability of Generation Units

Generation Units	2028	2030
Vasilikos Power Station	1x Steam Turbine1 – 120MW 1x Steam Turbine2 – 120MW 1x Steam Turbine3 – 120MW 2x CCGT- 220MW	1x Steam Turbine1 – 120MW (1500 hours) 1x Steam Turbine2 – 120MW (1500 hours) 1x Steam Turbine3 – 120MW 2x CCGT- 220MW
Moni Power Station	5x Gas Turbine - 37.5MW	5x Gas Turbine 37.5MW
Dhekelia Power Station	6x Steam Turbine - 60MW 6x ICE – 17MW	6x ICE – 17MW
New Conventional Units (operating on natural gas)	-	1x CGT – 260MW 1x CGT- 160MW (Vasilikos Power Station) 1x ICE – 102MW
Wind Turbines	167.1MW	167.1MW
PVs	1200MW	1440MW
Energy Storage Systems	200MW/400MWh	400MW/800Mwh

Comments:

- The assumptions used for the FNA Report were intended to be exactly the same as the ones used for the NRAA, but a deviation was needed regarding the availability of the conventional generation units. More specifically, in the NRAA it was assumed that the conventional generation units operating on natural gas would be tested during the first six months of 2030, thus being commercially operational on 01/07/2030. The results of the NRAA indicate potential Resource Adequacy issues for 2030 due to the fact that 720MW from the existing conventional generation units will not be available from 01/01/2030 due to incompliance with the emission limits as per the Industrial Emissions Directive (Directive 2010/75/EU, amended by Directive 2024/1785) and the relevant National Industrial Emissions Laws of 2013 to 2021 (L.184(I)/2013). Thus, in order to be able to provide an assessment on the flexibility needs for 2030, it was necessary to assume that the new conventional generation units will be commercially operational (using natural gas) on 01/01/2023. In any case, the relevant authorities of the Republic of Cyprus will proceed with the designated procedures to ensure the electricity resource adequacy for 2030.
- The restrictions on Steam Turbines 1 & 2 of Vasilikos Power Station to operate up to 1500 hours per year in 2030, as well as the decommissioning of the Steam Turbines in of Dhekelia Power Station are driven by the obligation of the Republic of Cyprus to comply with the provisions of the Industrial Emissions Directive and the National Industrial Emissions Laws.

3.1.2.2 Short Circuit Currents

The constraints due the Short Circuit Currents in the Vasilikos area have been taken into account, estimating an upper limit of 850MW, which is going to be resolved by 1/1/2030.

3.1.2.3 Installed Capacity of Battery Energy Storage Systems

The analysis took into account the installation of energy storage systems, which are expected to significantly contribute in the operations of the electricity system in the following years. In order to evaluate their contribution in a realistic way, as already indicated in Section 2 of the Report, the energy-to-power ratios considered were 2 and 4. For these cases the power and energy capacity taken into consideration are indicated below:

Year	Max. Power Capacity (MW)	Energy Capacity (MWh)	Ratio Energy/Power
2028	200	400	2
2028	200	800	4
2030	400	800	2
2030	400	1600	4

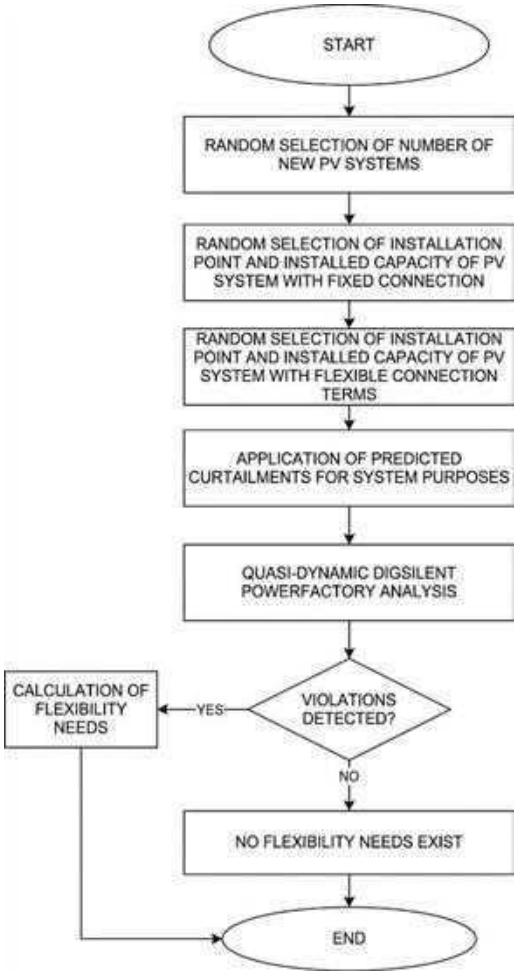
3.2. Data and analysis provided by the DSO

3.2.1 Methodology

In order to assess the flexibility needs, the below parameters were determined for the distribution system, using the Monte Carlo method:

- Number of RES Systems per Transmission Substation
- Number of RES Systems per MV (Medium Voltage) Feeder
- Installed Capacity of each RES System
- Location of each RES System

Then, the below methodology presented in the below flow chart was used:



3.2.1.1 Technical Constraints and Network Limitations

The below technical constraints and network limitation were taken into account:

Constraint	Description	Value
MV Line Loading	Utilization rate of medium voltage lines, to check for overloads	100%
MV Bus Voltage	Voltage level at the medium voltage busbars, to check for deviations from allowable limits.	+/- 10%

LV Bus Voltage	Voltage level at the low voltage busbars, to check for deviations from allowable limits.	+/- 10%
N-1 Reliability Criterion		In each Transmission Substation (TS), the total installed capacity of RES Systems with a fixed connection shall not exceed the firm capacity of the TS. In each TS, the total installed capacity of RES Systems with flexible connection shall not exceed the firm capacity of the TS. In each TS, the total installed capacity of RES Systems with a fixed and flexible connection shall not exceed the nominal capacity of the TS.

3.2.1.2 Flexibility Needs Calculation

In cases where violations of the distribution network's operating limits where detected, the flexibility needs were calculated.

All flexibility needs are downward, as only problems due to increased RES penetration were examined.

When an overload of any equipment in the distribution network was detected, the power curtailment factor sf was calculated as per the below equation.

$$s_f(t) = \begin{cases} \dfrac{100}{L_f(t)}, & L_f(t) > 100\%, \\ 1, & \text{otherwise}, \end{cases}$$

This factor represents the maximum allowable percentage of power injection from RES to avoid overloading.

Subsequently, the flexibility need in MW ($F\ (t)$) was calculated, as per the below equation,

$$F_f(t) = \left(1 - s_f(t)\right) P_{\mathrm{PV},f}(t),$$

Finaly, the total flexibility in MWh (E) required was calculated, as per the below equation,

$$E_f = \sum_t F_f(t)\, \Delta t.$$

Where:

- $L\ (t)$: the percentage loading value of the MV feeder
- $P\ _{,}\ (t)$: the total active power from PV systems of feeder
- $f(t)\ \Delta t$: the duration for which flexibility needs are detected

3.2.2 Assumptions

The below assumptions were taken into consideration:

- The analysis took into account only the Medium Voltage (MV) level of the distribution system, as the Low Voltage (LV) level is not modeled in the analysis software used by the DSO.
- The target for Total Installed Capacity of PV Systems in the distribution system for 2028 was 1300MW and the target for 2030 was 1600MW. This assumption was based on the approved TYNDP (Ten-Year Network

Development Plan) 2025–2034 and on existing connection applications under consideration.

- The analysis took into account eight (8) Transmission Substations (TS) that exhibit particularly high RES penetration and subsequently flexibility needs may arise. The maximum predicted installed capacity of PV systems with constant and flexible connections for the target years, are presented in the following table, limited to the nominal capacity of each TS. The installed capacity for each substation is a forecast based on the connection requests already submitted.

H/V Substation	RES Systems with fixed connection terms (MW)	RES Systems with flexible connection terms (MW)
2028		
Agios Nikolaos	40	20
Athienou	16	16
Alambra	40	20
Ergates	40	20
Kokkinotrimithia	40	20
Kofinou	40	20
Orounta	40	20
Tempria	16	16
2030		
Agios Nikolaos	40	40
Athienou	16	16
Alambra	40	30
Ergates	40	40
Kokkinotrimithia	40	40
Kofinou	60	40
Orounta	60	40
Tempria	16	16

- The analysis took into account the expected required by the system RES curtailments (as per the relevant data sent by the TSOC to the DSO) since they limit the magnitude of active power injection and, consequently, may reduce flexibility needs.
- The analysis assumes that flexible connections of RES systems to be installed to saturated TS with be provided on the following connection terms:
  - Compliance with the N-1 reliability criterion set by the TSOC to be maintained.
  - Active power injection: From 19:00 to 22:00.

    This assumption was based on the peak wholesale electricity market prices in Cyprus for the period from 01/10/2025 to 30/04/2026.

- Installed with an integrated BESS of at least three hours and a maximum output power equal to the installed capacity of the respective RES system. The BESS duration for hybrid PV systems was set to three hours instead of two or four hours, required by the FNA Methodology, as this represents the average value of the connection requests already submitted.

4. RESULTS

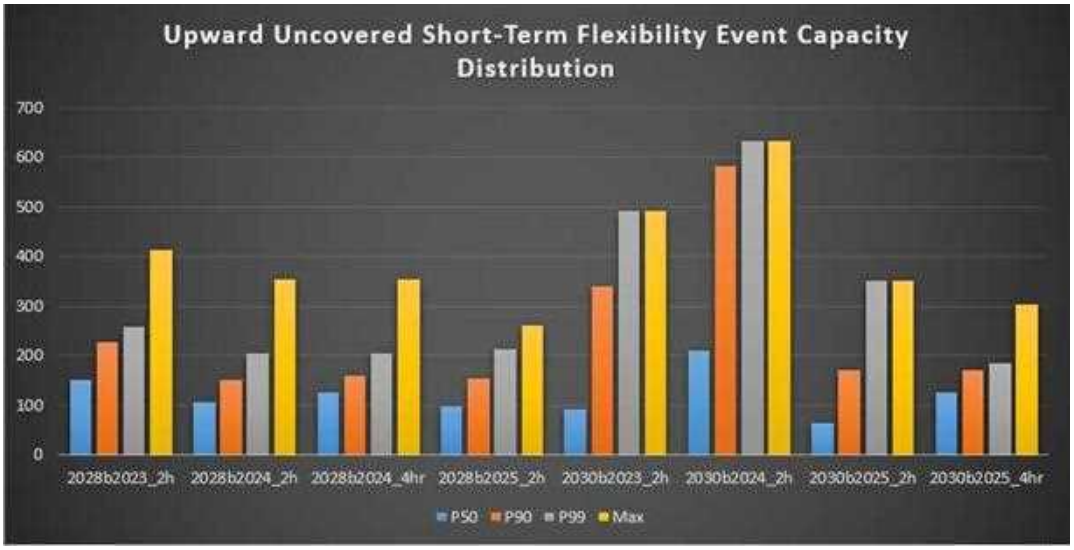
4.1. TSOC Results

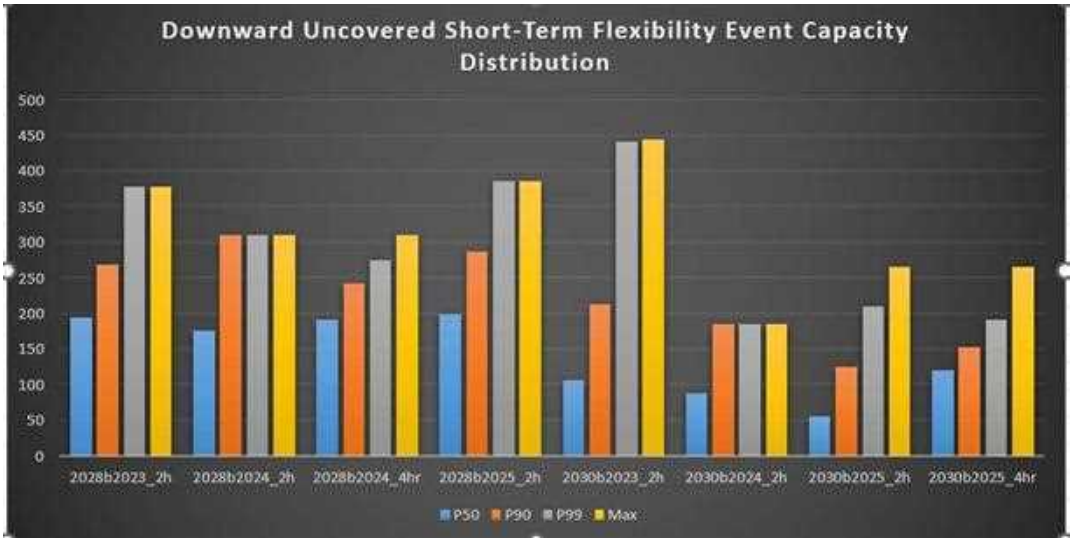
The results of the TSOC FNA Analysis, as per the Methodology described in Section 3, are presented in detail the Appendix I and are provided in summary in the following table:

Target Year	Base Year	Battery (h)	Total Final RES Curtailment (MWh)	Curtailment-related Uncovered RES Integration Need (MWh)	Residual RES Target Gap (MWh)	Target Status
2028	2023	2	171927.7	0.0	0.0	Target met after curtailment
2028	2024	2	322774.2	0.0	0.0	Target met after curtailment
2028	2024	4	235417.7	0.0	0.0	Target met after curtailment
2028	2025	2	237026.3	0.0	0.0	Target met after curtailment
2030	2023	2	92013.3	92013.3	73145.4	Target not achievable with available RES
2030	2024	2	205284.8	152905.7	0.0	Target achievable before curtailment
2030	2025	2	51171.6	51171.6	134919.6	Target not achievable with available RES
2030	2025	4	5164.1	5164.1	134639.9	Target not achievable with available RES

The FNA results will also be provided in the format requirement indicated by the Table 14 of Annex 1 of the FNA Methodology, through the dedicated ACER Platform.

Furthermore, the following two charts provide a visual representation of the event capacity distribution required under Article 10(6)(b). The percentiles represent the distribution of average uncovered capacity per event, while the maximum value shows the highest hourly uncovered capacity observed within the events for each scenario and direction.





Regarding the assumption of the additional constant base loads, it should be noted that the TSOC has recently received updated data for the needs of the ports of Limassol and Larnaca. Based on this information, the total demand of these loads after 01/01/2030 is estimated to be approximately half of the demand assumed in the Report. As a result, total system demand for the year 2030 is expected to be lower than that considered in the Report. This reduction is expected to lead to a higher RES penetration rate and contribute positively to the achievement of the relevant 2030 target.

4.2. DSO Results

DSO carried out an analysis of the current state of the selected TS mentioned in Section 3, without taking into account future RES penetration. The results of this analysis showed that the in the current state the system can operate securely and that there no flexibility needs. The following table provide the results of the worst-case equipment loading and voltage values for each TS over the entire year (2026). Then, the flexibility needs were calculated for each substation, for the target years 2028 and 2030.

Current State (2026):

H/V Substation	Maximum MV Feeder Loading	Minimum MV System Voltage	Maximum MV System Voltage
Agios Nikolaos	96%	0.91 p.u	1.05 p.u.
Athienou	91%	0.91 p.u	1.05 p.u.
Alambra	82%	0.91 p.u	1.05 p.u.
Ergates	95%	0.95 p.u	1.04 p.u.
Kokkinotrimithia	56%	0.95 p.u	1.07 p.u.
Kofinou	73%	0.91 p.u	1.03 p.u.
Orounta	59%	0.91 p.u	1.03 p.u.
Tempria	88%	0.93 p.u	1.07 p.u.

Foreseen needs:

H/V Substation	2028	2030	Comments
Agios Nikolaos	No flexibility needs	Maximum Monthly Flexibility Requirement: 3.2 MW / 208 MWh	Overloading and overvoltage issues during the year 2030, due to the fact that the total installed capacity of RES systems is expected to reach 80 MW, of which 40 MW concerns systems with a firm connection and the remaining 40 MW systems with flexible connection terms. The issues are mainly identified between 19:00 and 21:00, a time period during which the BESS have been modeled to

			export power. The violations appear consistently across all months of the year.
Athienou	No flexibility needs		Due to the limited firm capacity of the TS, the maximum total installed capacity of RES systems cannot exceed 32 MW, of which 16 MW corresponds to systems with a firm connection and the remaining 16 MW to systems with flexible connection terms.
Alambra	No flexibility needs	Maximum Monthly Flexibility Requirement: 1.09 MW/ 54.5 MWh	Overloading and overvoltage issues during year 2030, due to the fact that the total installed capacity of RES systems is expected to reach 71 MW, of which 40 MW concerns systems with a firm connection and the remaining 31 MW systems with flexible connection terms. Out of the 31 MW the 20MW will be connected on MV bus voltage of 22kV and the remaining 11 MW will be connected on MV bus voltage of 11kV. The issues are mainly identified between 19:00 and 21:00, a time period during which the BESS have been modeled to export power. The violations appear consistently across all months of the year.
Ergates	No flexibility needs		Due to the limited firm capacity of the TS, the maximum total installed capacity of RES systems cannot exceed 80 MW, of which 40 MW corresponds to systems with a firm connection and the remaining 40 MW

			to systems with flexible connection terms.
Kokkinotrimithia	No flexibility needs		Due to the limited firm capacity of the TS, the maximum total installed capacity of RES systems cannot exceed 80MW- taking into account the minimum load of the TS, of which 40 MW corresponds to systems with a firm connection and the remaining 40 MW to systems with flexible connection terms.
Kofinou	No flexibility needs	Maximum Monthly Flexibility Requirement: 1.8 MW / 228 MWh	Overloading and overvoltage issues during the year 2030, due to the fact that the total installed capacity of RES systems is expected to reach 100 MW, of which 60 MW concerns systems with a firm connection and the remaining 40 MW systems with flexible connection terms. The issues are mainly identified between 19:00 and 21:00, a time period during which the BESS have been modeled to export power. The violations appear consistently across all months of the year.
Orounta	No flexibility needs	Maximum Monthly Flexibility Requirement: 0.74 MW / 10 MWh	Overloading and overvoltage issues during the year 2030, due to the fact that the total installed capacity of RES systems is expected to reach 100 MW, of which 60 MW concerns systems with a firm connection and the remaining 40 MW systems with flexible connection terms. The issues are mainly identified between 19:00 and 21:00, a time period during which the BESS have been modeled to

			export power. The violations appear consistently across all months of the year.
Tempria	No flexibility needs		Due to the limited firm capacity of the TS, the maximum total installed capacity of RES systems cannot exceed 32 MW, of which 16 MW corresponds to systems with a firm connection and the remaining 16 MW to systems with flexible connection terms.

The FNA results are also provided in the Appendix II of the present Report, as per the format requirement indicated by the Table 15 of Annex 2 of the FNA Methodology.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1. Potential Market Barriers

5.1.1 Lack of proper legal framework for markets access to new entrants and small actors

The existing legal and regulatory framework provides an adequate basis for market access and, therefore, is not currently considered as a barrier to the participation of new entrants or smaller market participants.

More specifically:

- The roles, rights and responsibilities of all market participants are clearly defined in the Electricity Market Rules, providing transparency and legal certainty.
- Market participation is permitted both on an individual basis and through aggregation, enabling the participation of smaller actors and flexibility providers.
- Participation in the organized electricity markets is not subject to discriminatory restrictions. However, it should be noted that the Intraday Market has not yet become operational. Pursuant to the relevant Regulatory Decision No.02/2026, the Market Operator is required to establish and commence operation of the Intraday Market within two years from the commencement of the fully competitive electricity market, which began operating in October 2025.

Overall, while some market segments are still under development, the legal framework itself does not represent a material barrier to market access.

5.1.2 Lack of enablers and incentives to provide flexibility

Cyprus is progressing towards the establishment of the necessary regulatory, technical and market arrangements to facilitate the broad participation of flexibility resources in the electricity system. Nevertheless, the absence of certain key enablers continues to constitute a significant barrier to the effective deployment

of flexibility services. The main enabling areas concern improvements of electricity market operating and observability systems as outlined below:

- Market Management System

Although the regulatory framework is established, the current Market Management System (MMS) does not yet support the processes and transactions required for the participation of Demand-Response resources. In addition, the existing system does not fully accommodate the capabilities and functionalities of Energy Storage Systems, thereby limiting their participation across the different electricity markets.

The Market Operator has initiated the procurement of a new MMS, which is expected to enable the full integration of Demand-Response and Energy Storage resources by the end of 2028.

- Advanced Metering Infrastructure

The deployment of Advanced Metering Infrastructure (AMI) is progressing. However, limited network observability, particularly at the medium-voltage and low-voltage levels, remains a significant obstacle to the efficient utilisation of flexibility services.

As flexibility is a relatively new concept within the electricity sector of the Republic of Cyprus, investments in network monitoring and observability have not yet been fully prioritised. Nevertheless, it is expected that the network operators will progressively enhance network visibility, initially focusing on areas experiencing operational constraints, thereby enabling the effective utilisation of flexibility resources.

5.1.3 Restrictive requirements to provide balancing services

The Electricity Market Rules currently in application foresee for the procurement of market based Balancing Services, with limited participation of Energy Storage Systems and no participation of Demand Response due to MMS restrictions. Once the new MMS is available, a revised version of Electricity Market Rules will

be applied (they are already approved by CERA), enabling participation of Energy Storage System at full capacity and participation of Demand and Response resources. On this basis, the above mentioned restrictions for Balancing Services are due to the current version of the MMS and not to restrictive requirements to provide Balancing Services.

5.1.4 Restrictive requirements to provide congestion management

To date, neither the TSOC nor the DSO have identified network congestion, thus the issue is not addressed and no market-based congestion management measures are in place. Consequently, congestion management is not currently considered a barrier to the deployment of flexibility.

Nevertheless, it should be noted that the existing Electricity Market Rules do not provide for market-based congestion management mechanisms, and no local flexibility markets are currently operational. If the need for congestion management evolves, the development of such mechanisms may need to be considered.

5.1.5 Complex, lengthy, and discriminatory administrative requirements

Administrative procedures are not considered a significant barrier to the participation of flexibility resources.

Grid connection procedures are transparent and proportionate, while any delays experienced are primarily attributable to network capacity constraints rather than to administrative processes. Likewise, the technical and administrative requirements for grid connection and market participation are considered appropriate and non-discriminatory.

5.1.6 Lack of regulatory incentives to system operators to consider non-wire alternatives

CERA recently issued the Regulatory Decision No. 02/2026 (dated 26/06/2026), which establishes the regulatory framework for the development of local flexibility markets and introduces incentives for the DSO to procure flexibility services as an alternative to conventional network reinforcement (non-wire alternatives).

Although the Regulatory Decision provides for an implementation period of up to 18 months before its provisions become fully applicable, it is expected that, once implemented, the established incentive framework will adequately encourage the DSO to consider flexibility resources. Consequently, the lack of regulatory incentives for the DSO is soon to be resolved, thus it is not expected to constitute a long-term barrier to the deployment of flexibility resources.

5.2. Contribution of digitalisation

Digitalisation is recognized as a key enabler for the efficient integration and utilisation of flexibility resources in the electricity system of the Republic of Cyprus. The increasing penetration of distributed renewable energy sources and electric vehicles, as well as the expected installation of energy storage systems, require enhanced visibility of the electricity network and the capability to monitor, forecast and manage system conditions in near real time. In this respect, the ongoing deployment of AMI and modernisation of network observability, will provide the data and operational capabilities necessary to support the participation of flexibility resources in electricity markets and system operation. At the same time, the planned upgrade of the Market Management System (MMS) will facilitate the market integration of demand response and energy storage, enabling these resources to participate more effectively in the various electricity market timeframes.

Digitalisation will also play an important role in allowing the TSO and the DSO to utilize flexibility as a cost-effective alternative to conventional network reinforcement, where appropriate. Enhanced data analytics, forecasting tools, automated control systems and improved communication infrastructure will

support the identification of network constraints, the procurement of local flexibility services and the secure operation of an increasingly decentralized electricity system. Although digitalisation in Cyprus is still at a relatively early stage, the implementation of the relevant regulatory framework is expected to establish the foundations for the widespread deployment of flexibility services, contributing to a more resilient, efficient and decarbonised electricity system.

5.3. TSO Conclusions

As a general conclusion of the assessment, the results indicate that the system's flexibility needs and RES curtailments occur primarily during periods of high RES penetration, reduced residual demand, and limited availability of downward flexibility. Enhancing the capability of BESS by increasing storage duration from two (2) to four (4) hours leads to a substantial reduction in RES curtailments in the scenarios where a comparative assessment was carried out, highlighting the contribution of storage to a more effective integration of renewable energy generation.

At the same time, the results indicate that in certain scenarios for the year 2030, the RES penetration target is not achieved, regardless of the level of RES curtailment. This finding is mainly attributable to the significant increase in electricity demand projected for 2030, which is not accompanied by a corresponding increase in installed RES capacity in the scenarios examined. Consequently, the RES penetration rate remains at relatively low levels, despite the reduction in curtailments achieved through the addition of flexibility resources. In this context, the contribution of BESS to achieving the RES penetration target is limited, as the main constraining factor is not the ability to absorb the renewable energy generated, but rather the overall available RES generation potential relative to the system's projected demand.

In addition to the above, taking into account the recently updated data the TSOC received for the expected needs of the ports of Limassol and Larnaca (which has been considered in the present Report as additional constant base loads), the total demand of these loads after 01/01/2030 is estimated to be approximately

half of the demand assumed in the study. As a result, total system demand for the year 2030 is expected to be lower than that considered in the TSOC analysis. This reduction is expected to lead to a higher RES penetration rate and contribute positively to the achievement of the relevant 2030 target.

5.4. DSO Conclusions

The DSO flexibility needs are highly dependent on the location of RES generation units, the timing and duration of active power injection and the total installed RES capacity. Consequently, the flexibility requirements identified in the DSO analysis should be considered indicative, as they are subject to the underlying assumptions and network development scenarios.

Flexibility needs can be significantly reduced through the connection of new RES plants to dedicated medium-voltage feeders located close to transmission substations, by extending the energy injection hours or by reducing the injected energy thorough Energy Storage Systems, or by limiting their injection below the installed RES capacity. In addition, higher levels of renewable curtailment and lower overall RES penetration further reduce the need for flexibility services.

Overall, the DSO analysis concludes that the expected flexibility requirements of the distribution network are relatively limited. This is expected primarily because the total installed RES capacity connected to each transmission substation is constrained by its rated capacity, while flexible connection arrangements create temporal diversity between firm and flexible RES connections, increasing renewable integration without proportionally increasing flexibility procurement needs. In cases where persistent network constraints were identified, the DSO analysis indicated that targeted grid reinforcements and network upgrades could provide a long-term solution and at the same time the relevant regulatory framework could facilitate and promote the procurement of local flexibility services, allowing for the efficient planning of those long term developments. Furthermore, the construction of new 22 kV feeders could enable the connection of large-scale RES projects without violating distribution network operational limits or requiring additional flexibility procurement.

The DSO analysis also highlights that renewable energy curtailments, due to safety/stability of the system, substantially mitigate distribution-level flexibility needs, as they coincide with periods of maximum RES generation when network operational limits violations are most likely to occur. Consequently, any significant reduction in curtailment levels could increase these violations and lead to higher flexibility requirements. Voltage-related flexibility needs were found to be negligible due to the mandatory implementation of the Q(U) and P(U) voltage control functions prescribed in the DSO's technical requirements for RES installations. Finally, the DSO notes that this analysis represents its first comprehensive assessment of flexibility needs and, in the absence of established methodological guidance from the EU DSO Entity, the results should be regarded as an initial estimate that may be refined as methodologies and industry practices evolve.

6. ACKNOWLEDGEMENT

The “FNA Report” was prepared by the Cyprus Energy Regulatory Authority in accordance with the Article 19e of the Regulation (EU) 2019/943 “on the on the internal market for electricity”, as amended by Regulation (EU) 2024/1747 as regards improving the Union’s electricity market design, and with the provisions of ACER approved FNA Methodology.

The contribution and collaborative efforts of both the Transmission System Operator of Cyprus and the Distribution System Operator of Cyprus is greatly acknowledged.

7. LIST OF ACRONYMS AND ABBREVIATIONS

FNA	Flexibility Needs Assessment
MS	Member State
RES	Renewable Energy Resources
ACER	European Union Agency for the Cooperation of Energy Regulators
ENTSO	European Network of Transmission System Operators
CERA	Cyprus Energy Regulatory Authority
ERRA	European Resource Adequacy Assessment
NRAA	National Resource Adequacy Assessment
TSOC	Transmission System Operator of Cyprus
DSO	Distribution System Operator of Cyprus
BESS	Battery Energy Storage Systems
EAC	Electricity Authority of Cyprus
FCR	Frequency Containment Reserve
FRR	Frequency Replacement Reserve
UCED	Unit Commitment and Economic Dispatch
MILP	Mixed Integer Linear Programming
MV	Medium Voltage
LV	Low Voltage
TS	Transmission Substation
TYNDP	Ten-Year Network Development Plan
MMS	Market Management System
AMI	Advanced Metering Infrastructure

APPENDIX I

Deliverable:	FNA Article 8 – RES Integration Needs
Submitted to:	CERA
Prepared by:	TSOC
Target Years:	2028, 2030
Weather/Base Years:	2023, 2024, 2025
Battery Cases:	2h and 4h BESS cases where applicable
Methodology Reference:	FNA Methodology – Article 8
Calculation Basis	UCED results, Article 9 ramping add-ons, Article 10 downward short-term add-ons

Scenario	Target Year	Base Year	Battery h	Description
2028b2023_2h	2028	2023	2	2028 target year using 2023 base/weather year and 2-hour BESS
2028b2024_2h	2028	2024	2	2028 target year using 2024 base/weather year and 2-hour BESS
2028b2024_4hr	2028	2024	4	2028 target year using 2024 base/weather year and 4-hour BESS
2028b2025_2h	2028	2025	2	2028 target year using 2025 base/weather year and 2-hour BESS
2030b2023_2h	2030	2023	2	2030 target year using 2023 base/weather year and 2-hour BESS
2030b2024_2h	2030	2024	2	2030 target year using 2024 base/weather year and 2-hour BESS
2030b2025_2h	2030	2025	2	2030 target year using 2025 base/weather year and 2-hour BESS
2030b2025_4hr	2030	2025	4	2030 target year using 2025 base/weather year and 4-hour BESS

Input / Indicator	Description	Source / Calculation
Load	Hourly system load used in the UCED scenario	UCED / scenario input
PV Generation	Hourly PV generation absorbed by the system	UCED results
Wind Generation	Hourly wind generation absorbed by the system	UCED results
PV Curtailment	Hourly PV curtailment	UCED results
Wind Curtailment	Hourly wind curtailment	UCED results
UCED RES Curtailment	PV and Wind curtailment	UCED results
Article 9 Add-on	Downward ramping-related additional RES curtailment	Article 9(11) hourly comparison
Article 10 Add-on	Downward short-term flexibility-related additional RES curtailment	Article 10 results
Must Run	Minimum synchronous / must-run generation assumption	210 MW
Residual Load	Load minus PV generation, wind generation and must-run generation	Calculated
Final RES Curtailment	UCED RES curtailment plus applicable downward add-on	Calculated

This sheet summarises the input data and calculated indicators used for the Article 8 RES integration needs assessment. The detailed hourly input time series are retained in the working calculation file and are not included in the submission workbook in order to keep the submitted file focused on the final methodology outputs and results.

Scenario	Target Year	Base Year	Battery h	Total PV Curtailment MWh	Total Wind Curtailment MWh	Total UCED RES Curtailment MWh	Total Downward Ramping Add-on MWh	Total Downward ST Add-on MWh	Total Applied Downward Add-on MWh	Total Final RES Curtailment MWh	Formula / Treatment
2028h2022_2h	2028	2022	2	160132.2	6395.8	166541.0	4678.6	747.0	5336.7	**171927.7**	
2028h2024_2h	2028	2024	2	299531.4	7951.1	307482.6	14845.6	506.2	15221.6	**322774.2**	Final RES Curtailment = UCED RES Curtailment + MAX(Downward Ramping Add-on, Downward ST Add-on), applied hourly to avoid double counting.
2028h2024_4hr	2028	2024	4	213858.9	5586.7	221242.6	13982.1	596.5	14175.1	**235417.7**	
2028h2025_2h	2028	2025	2	199557.7	7440.1	206997.8	35295.1	895.6	36028.4	**243026.3**	
2030h2022_2h	2030	2022	2	98215.6	3130.6	91326.2	107.5	581.4	887.2	**97013.3**	
2030h2024_2h	2030	2024	2	200153.0	4027.9	204180.9	1026.4	81.3	1103.8	**205284.8**	
2030h2025_2h	2030	2025	2	49551.9	1389.5	50921.4	167.3	83.3	250.2	**51171.6**	
2030h2025_4hr	2030	2025	4	4573.7	360.4	4734.1	180.0	250.2	430.0	**5164.1**	

According to Articles 8(3) and 8(5), the RES curtailment time series used for the RES integration needs assessment is derived from UCED-based RES curtailment and adjusted, where applicable, to reflect additional downward flexibility-related curtailment components identified under Article 9 and Article 10. The final RES curtailment is calculated at hourly granularity as:

Final RES Curtailment = UCED RES Curtailment + MAX(Downward Ramping Add-on, Downward Short-Term Add-on)

The MAX operator is applied hourly to avoid double counting between the Article 9 downward ramping-related add-on and the Article 10 downward short-term flexibility-related add-on. The annual Total Final RES Curtailment is calculated by summing the hourly Final RES curtailment values. In each hour, only the larger of the Article 9 downward ramping add-on and the Article 10 downward short-term add-on is applied. Therefore, the annual totals of the two add-ons are shown for transparency, but they are not directly summed together.

Scenario	Target Year	Base Year	Battery h	Total PV Curtailment (MWh)	Total Wind Curtailment (MWh)	Total LCOE-RES Curtailment (MWh)	Total Curtailment Excluding Add-ons (MWh)	Total Downward Flexibility Add-ons (MWh)	Total Final RES Curtailment (MWh)	Hours with Final RES Curtailment ≥1 MWh	Max Monthly Final RES Curtailment (hours)	Max Hourly Final RES Curtailment (MWh)	Avg Final RES Curtailment when ≥1 MWh	Total Absorbed RES Generation (MWh)	Total Available RES Generation (MWh)	Final RES Curtailment Share of Available RES Generation (%)	Avg Annual Load (MW)	RES Share of Load (%)	Max Residual Load (MW)
2028b2035_8h	2035	2028	8	1062192.2	6348.8	1068541.0	4675.6	787.0	1731857.7	786.0	1.0	614.0	314.7	3087298.8	3254684.5	0.1	748.2	494.0	925.1
2028b2034_8h	2034	2028	8	2495.1.6	7953.1	937482.5	14847.8	505.2	1227274.2	1340.0	1.0	868.4	380.1	3049478.2	3272255.4	0.1	752.2	486.0	933.0
2028b2034_48h	2034	2028	48	2558552.9	5686.7	2731342.6	13663.1	396.9	2359427.7	1905.0	1.0	844.4	314.7	3130719.1	3271136.8	0.1	742.5	489.0	933.0
2028b2035_8h	2035	2028	8	1835317.7	7480.1	1850947.5	10255.1	465.6	2170216.3	877.0	1.0	760.0	341.9	2965067.3	3303223.6	0.1	741.4	494.0	1033.2
2028b2035_2h	2035	2028	2	88339.9	3116.8	91326.2	387.5	581.4	93043.3	282.0	1.0	936.6	467.7	3142227.5	3332340.3	0.0	321.4	462.0	1021.5
2028b2034_2h	2034	2028	2	2693753.0	4037.9	2041190.9	1026.4	81.0	805264.8	546.0	1.0	1137.4	175.9	3754480.1	3757764.6	0.1	870.0	494.0	1045.2
2028b2035_1h	2035	2028	1	49553.9	1349.5	50921.4	167.3	83.3	55175.6	160.0	1.0	781.3	359.1	2462018.3	2517193.9	0.0	316.7	462.0	1148.2
2028b2023_48h	2030	2028	48	4072.7	368.4	4784.2	169.0	268.2	5184.3	41.0	1.1	527.6	189.9	2526257.6	2234458.8	0.2	311.4	-96.1	1148.2

According to Article 6(4)(a), the RES curtailment time series is characterised through summary indicators describing the level, duration and severity of RES curtailment for each scenario.

This table summarises the main RES curtailment indicators, including PV curtailment, wind curtailment, total LCOE-based RES curtailment, downward flexibility related add-ons, final RES curtailment, curtailment hours, hourly curtailment statistics, absorbed RES generation, available RES generation, curtailment share and residual load indicators.

The total final RES curtailment values include all hourly final RES curtailment values, including very small values below 1 MWh. The 1 MWh per hour threshold is applied only for curtailment-hour, minimum/average curtailment during significant curtailment hours, and event-related statistics. Total final RES curtailment energy and maximum hourly curtailment are not affected by this threshold.

Total available RES generation is calculated as absorbed RES generation plus final RES curtailment. The final RES curtailment share is calculated as total final RES curtailment divided by total available RES generation.

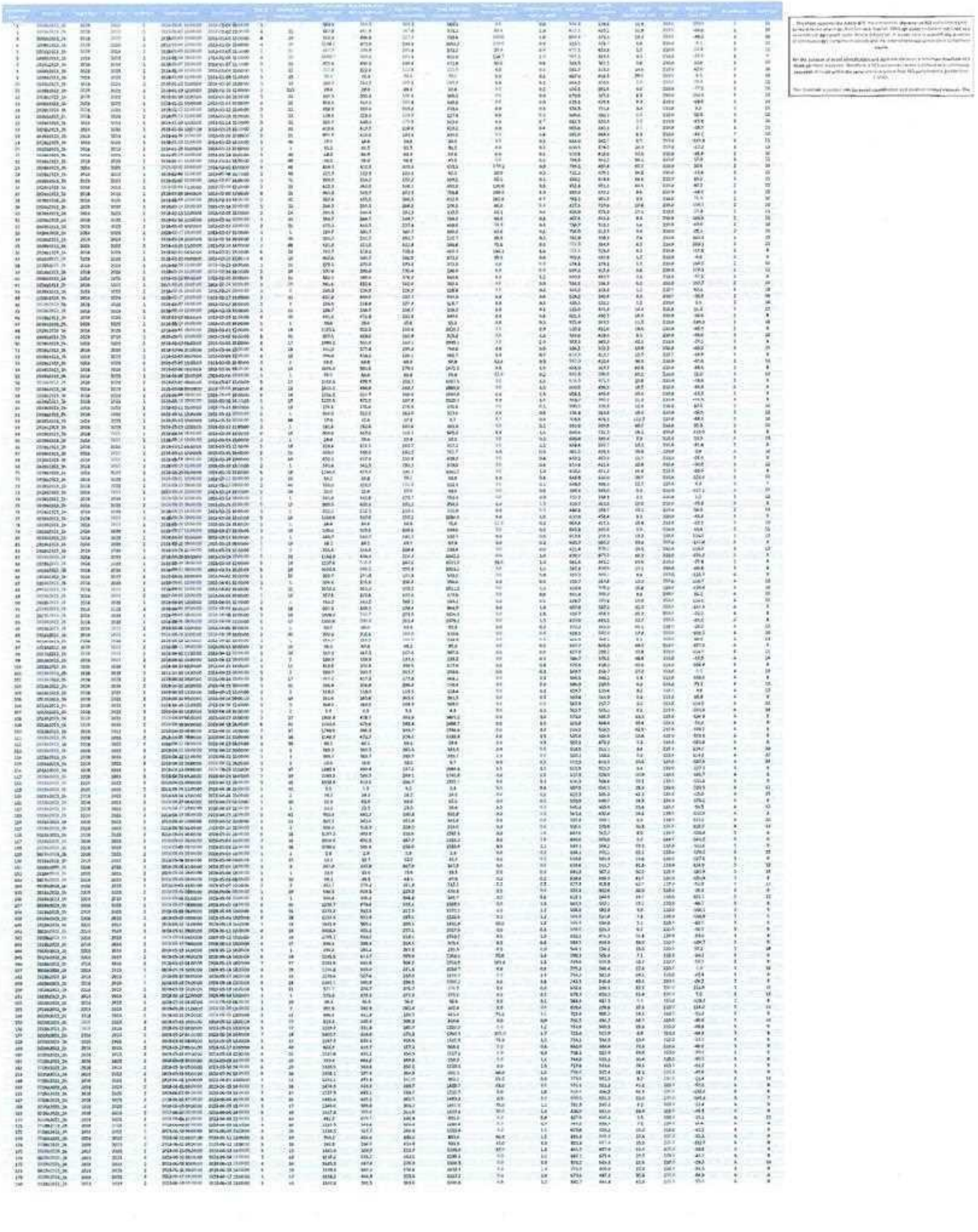
Scenario	P60 Final RES Curtailment All Hours (MWh)	P75 Final RES Curtailment All Hours (MWh)	P90 Final RES Curtailment All Hours (MWh)	P95 Final RES Curtailment All Hours (MWh)	P97 Final RES Curtailment All Hours (MWh)	P99.8 Final RES Curtailment All Hours (MWh)	Max Final RES Curtailment (MWh)	P60 Final RES Curtailment >1 (MWh)	P90 Final RES Curtailment >1 (MWh)	P95 Final RES Curtailment >1 (MWh)	P99 Final RES Curtailment >1 (MWh)	Number of Curtailment Hours >1 (MWh)
2028b2028_2h	0.02	0.18	0.38	116.58	484.3	595.0	914.0	137.4	491.0	523.2	595.8	739.0
2028b2024_2h	0.00	0.11	82.85	307.72	654.4	794.3	864.4	173.6	622.8	676.3	767.9	1240.0
2028b2024_4hr	0.00	0.12	61.62	196.26	590.4	784.0	844.8	156.5	517.0	648.7	770.9	1096.0
2028b2025_2h	0.07	0.21	23.89	214.77	543.9	656.2	720.0	167.5	536.2	592.9	655.8	977.0
2030b2023_2h	0.08	0.09	0.26	0.33	546.5	805.8	935.4	324.7	762.4	796.7	852.5	263.0
2030b2024_2h	0.00	0.00	0.09	59.81	860.2	1027.9	1127.4	217.2	928.8	982.2	1039.2	544.0
2030b2025_2h	0.00	0.00	0.05	0.09	704.3	727.5	783.3	270.8	709.0	728.1	764.8	160.0
2030b2025_4hr	0.00	0.00	0.14	0.18	0.2	179.8	527.3	67.4	554.9	407.3	498.0	41.0

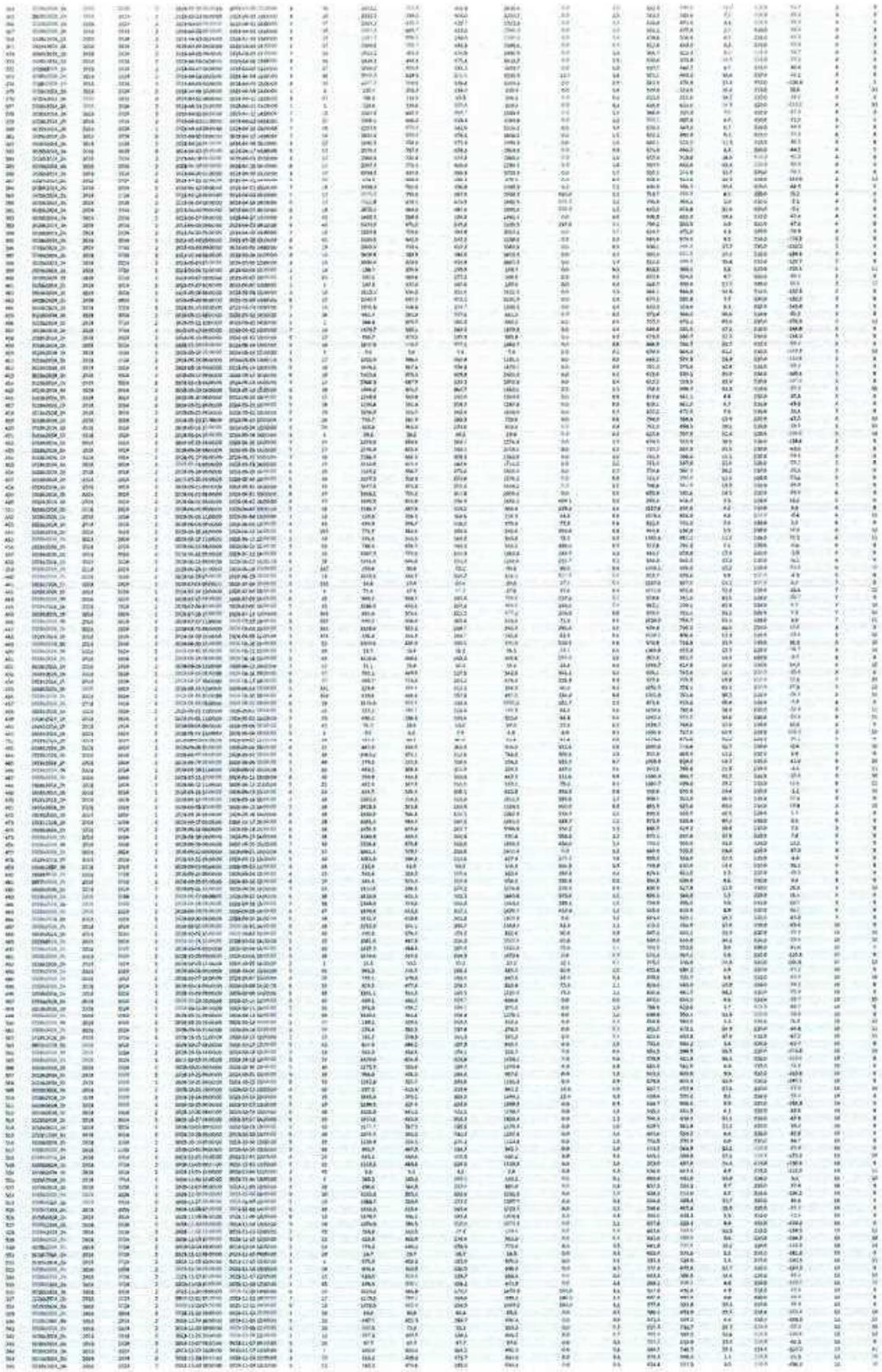
According to Article 8(4)(b), the RES curtailment time series shall be characterised through probability distribution and relevant percentiles.

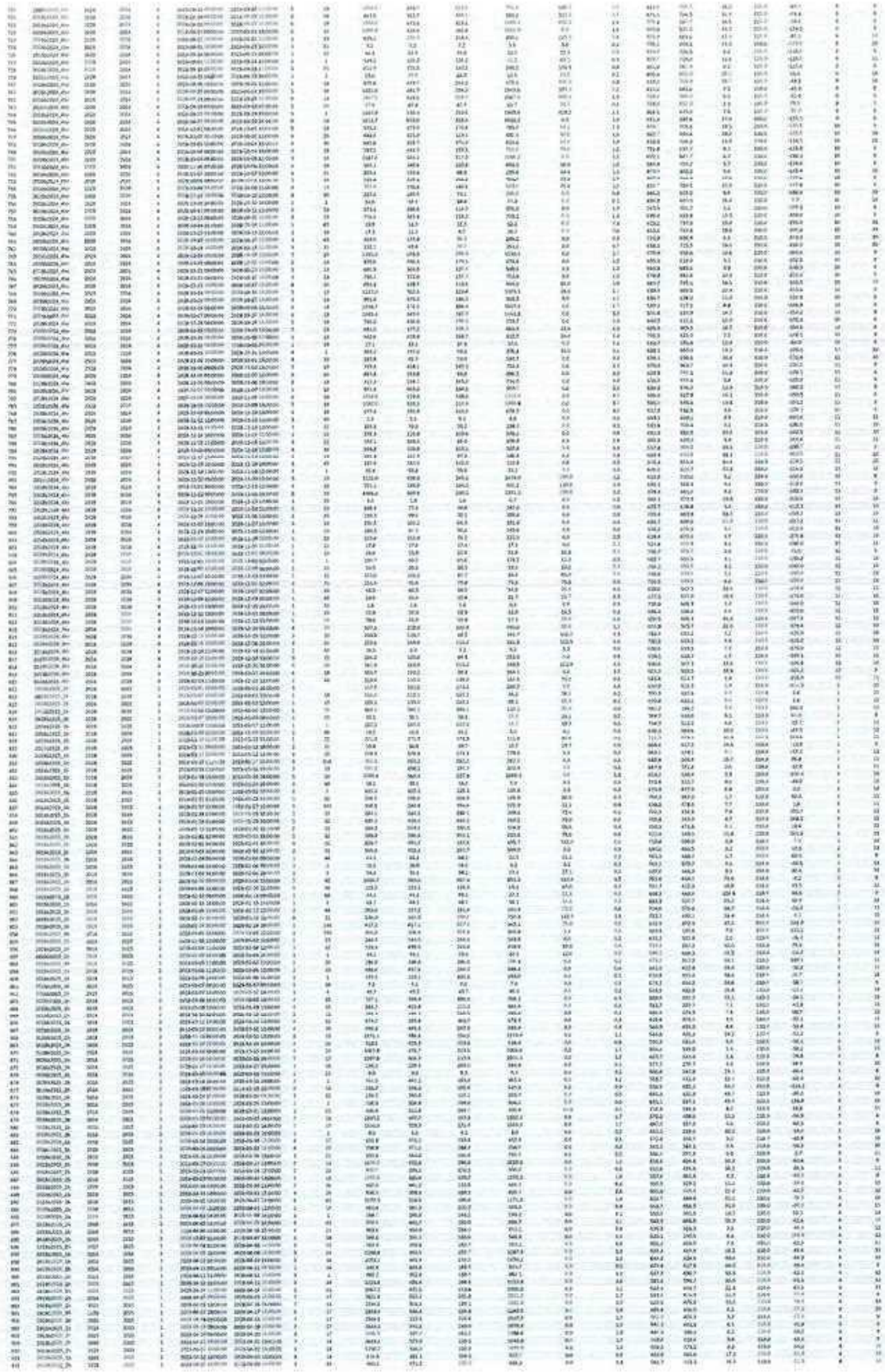
This table reports selected percentiles of the final RES curtailment time series for each scenario. The final RES curtailment values include UCED-based RES curtailment and the applicable downward flexibility related add-on calculated at hourly granularity.

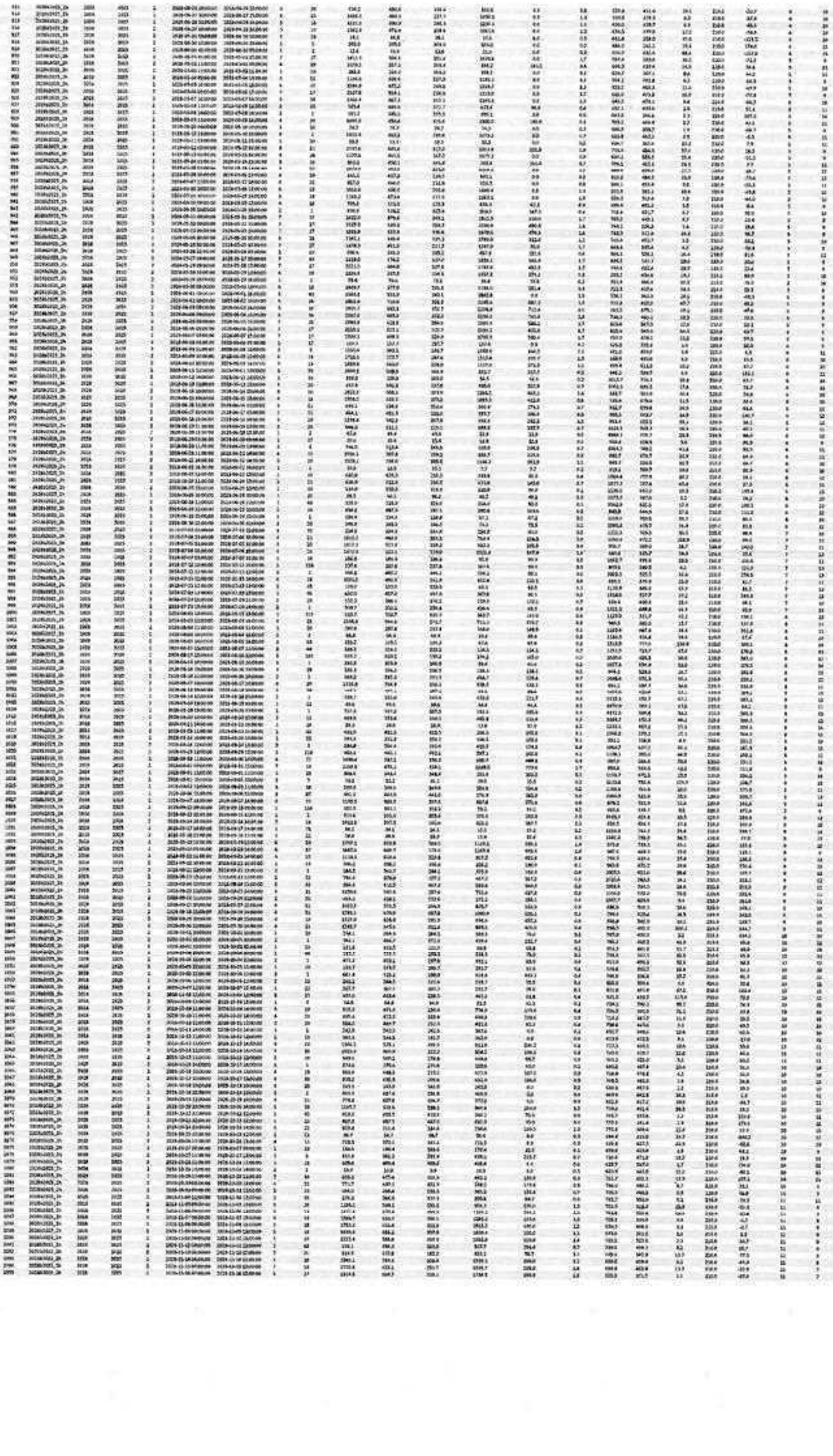
The "all hours" percentiles include all hourly values of the final RES curtailment time series, including zero values and very small positive values. These percentiles represent the full annual distribution of RES curtailment.

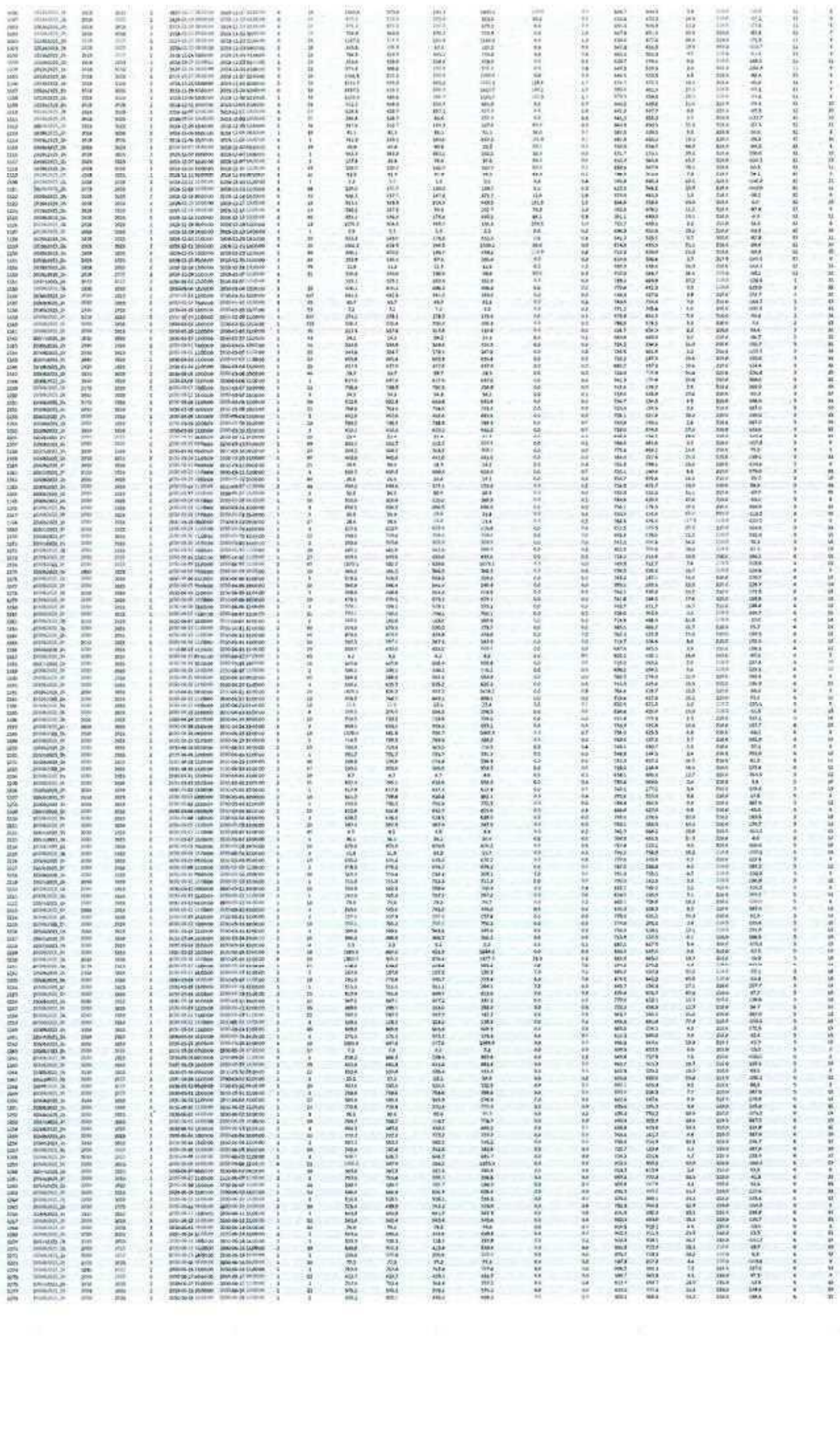
The "curtailment hours >1 MWh" percentiles are calculated only for hours where final RES curtailment exceeds 1 MWh. This threshold is used only for curtailment hour and event-related statistics, in order to avoid interpreting very small downward flexibility related add-ons as significant RES curtailment events.











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29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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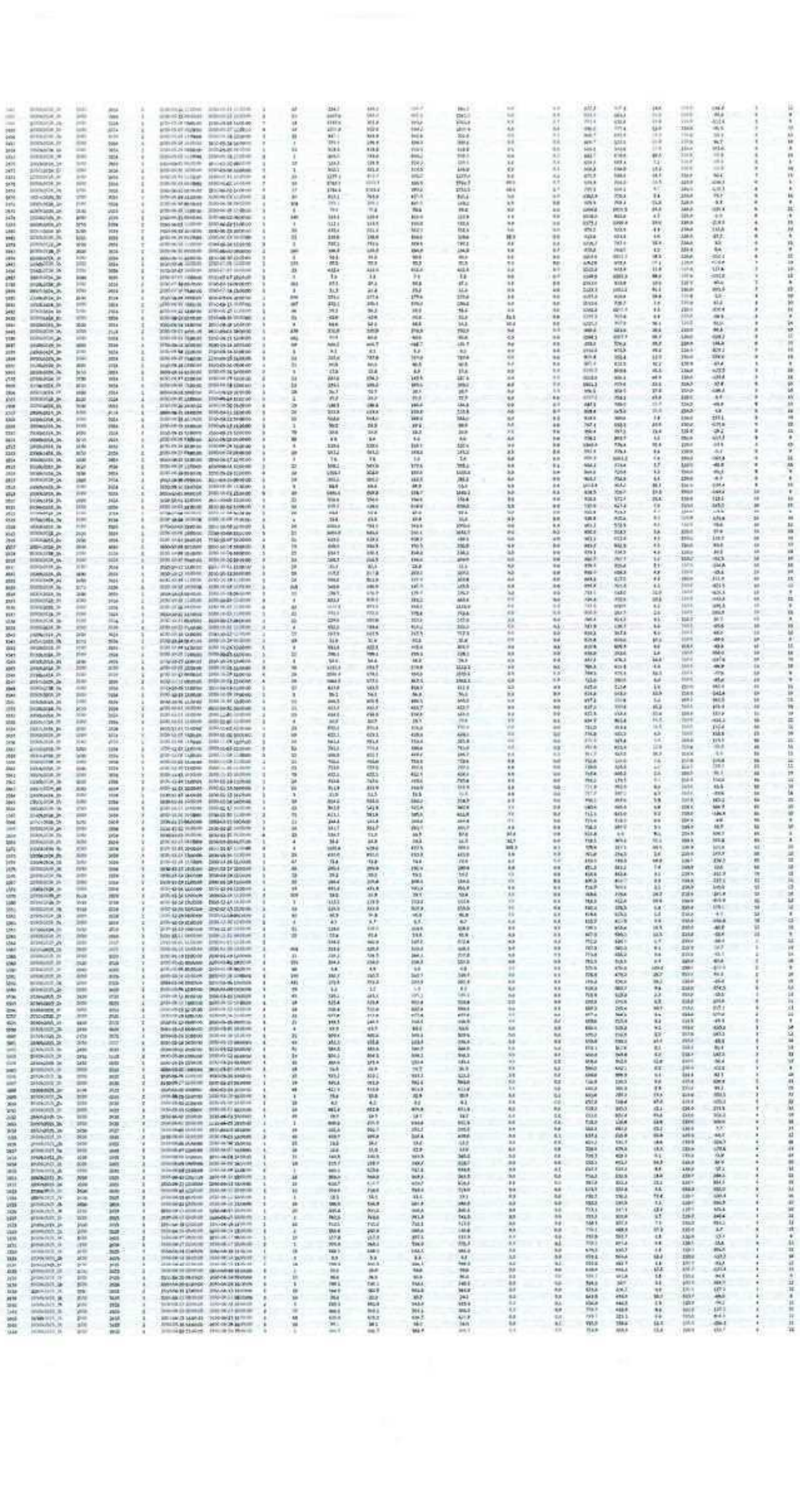
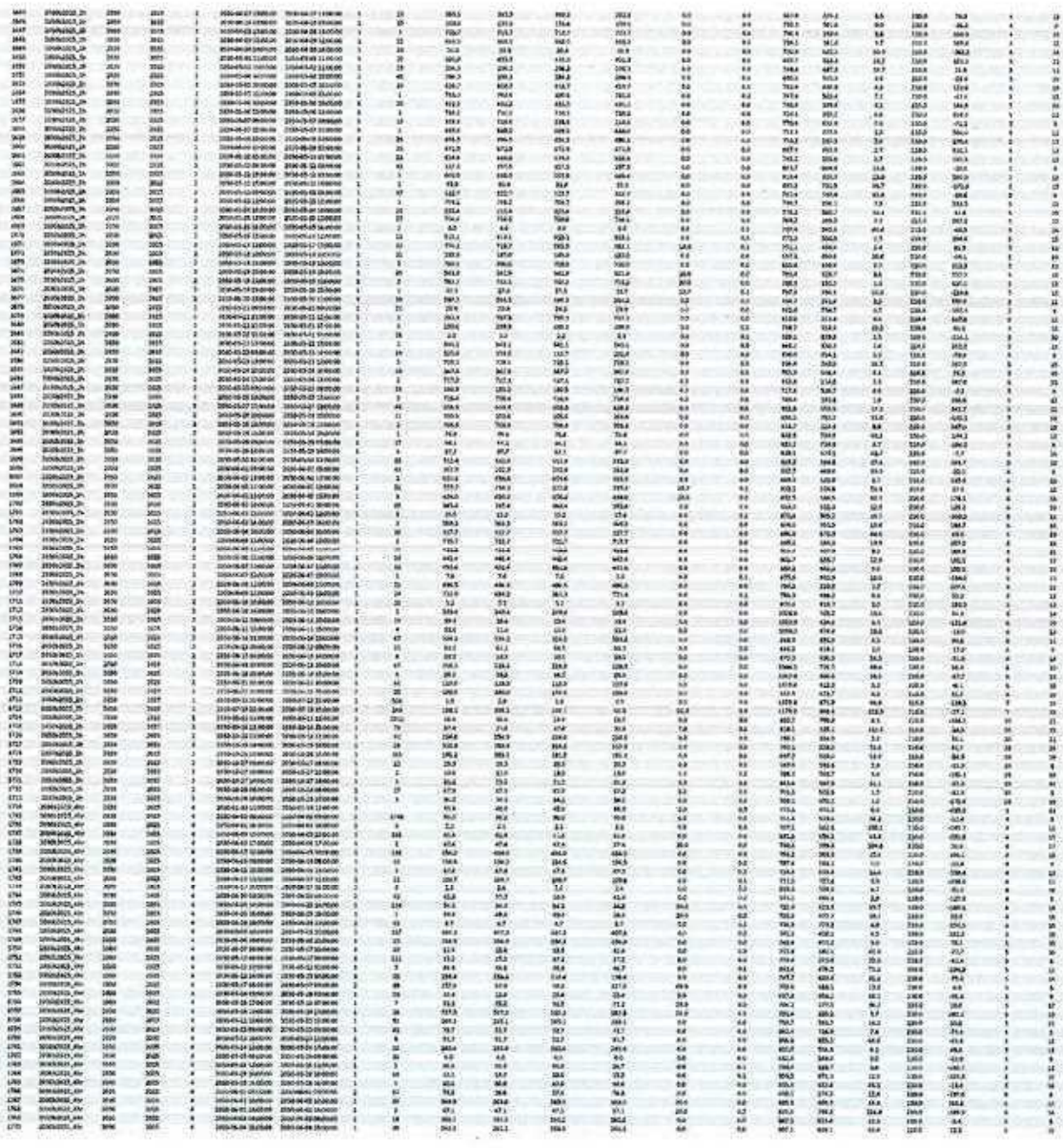
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]





Scenario	Target Year	Base Year	Battery h	Corr Final RES Curtailment vs Load	Corr Final RES Curtailment vs PV Generation	Corr Final RES Curtailment vs Wind Generation	Corr Final RES Curtailment vs Total RES Generation	Corr Final RES Curtailment vs Residual Load	Corr Final RES Curtailment vs Must-Run	Corr Curtailment Flag vs PV Generation	Corr Curtailment Flag vs Residual Load
2028b2023_2h	2028	2023	2	0.02	0.16	-0.09	0.15	-0.16	N/A - constant value	0.37	-0.38
2028b2024_2h	2028	2024	2	-0.03	0.11	-0.17	0.10	-0.24	N/A - constant value	0.47	-0.51
2028b2024_4hr	2028	2024	4	-0.05	0.16	-0.13	0.15	-0.31	N/A - constant value	0.49	-0.55
2028b2025_2h	2028	2025	2	0.03	0.16	-0.14	0.14	-0.13	N/A - constant value	0.37	-0.37
2030b2023_2h	2030	2023	2	0.00	0.04	-0.07	0.03	-0.08	N/A - constant value	0.15	-0.16
2030b2024_2h	2030	2024	2	-0.04	0.05	-0.14	0.04	-0.07	N/A - constant value	0.26	-0.31
2030b2025_2h	2030	2025	2	-0.03	0.02	-0.08	0.01	-0.03	N/A - constant value	0.10	-0.12
2030b2025_4hr	2030	2025	4	-0.01	0.04	-0.02	0.04	-0.05	N/A - constant value	0.07	-0.09

According to Article 8(4)(d), the RES curtailment time series is analysed in relation to relevant system conditions, including demand, solar generation and wind generation.

This table reports correlation coefficients between the final RES curtailment time series and selected system variables for each scenario. The final RES curtailment time series includes UCED-based RES curtailment and the applicable downward flexibility-related add-on calculated at hourly granularity.

Correlation values range from -1 to +1. Positive values indicate that RES curtailment tends to increase when the corresponding system variable increases. Negative values indicate an inverse relationship, while values close to zero indicate weak linear relationship.

The curtailment flag used in the correlation analysis is based on the significant curtailment threshold of 1 MWh per hour. Therefore, the flag-based correlations describe the relationship between the occurrence of significant RES curtailment and the corresponding system variables.

Must-run generation is constant in this assessment and is therefore reported as not applicable for correlation analysis.

Scenario	Target Year	Base Year	Battery h	Avg Residual Load MW	Min Residual Load MW	Max Residual Load MW	Avg Absolute Hourly RL Change MW	Max Hourly RL Increase MW	Max Hourly RL Decrease MW	Avg Daily RL Range MW	Max Daily RL Range MW	Hours with Negative Residual Load	Share of Hours with Negative Residual Load %
t028b2023_2	2028	2023	2	248.2	-286.0	925.3	91.2	400.0	-463.0	718.8	1017.1	1636	18.6%
t028b2024_2	2028	2024	2	252.3	-286.0	933.0	98.4	505.0	-463.0	715.7	943.1	1473	16.8%
028b2024_4l	2028	2024	4	242.5	-286.0	933.0	80.7	505.0	-486.0	715.1	929.6	1709	19.5%
t028b2025_2	2028	2025	2	261.4	-226.0	1033.7	94.3	505.0	-490.0	686.0	1061.6	1322	15.1%
t030b2023_2	2030	2023	2	321.4	-482.0	1021.5	98.2	800.0	-800.0	888.3	1252.5	1759	20.1%
t030b2024_2	2030	2024	2	320.0	-496.0	1035.2	118.1	800.0	-855.0	942.3	1207.1	1610	18.4%
t030b2025_2	2030	2025	2	316.7	-440.0	1146.2	84.7	767.8	-768.1	805.4	1198.8	1423	16.2%
030b2025_4l	2030	2025	4	311.4	-436.1	1146.2	75.5	422.2	-558.2	805.8	1198.8	1500	17.1%

According to Article 8(5), the residual load time series shall be characterised in terms of variability across the relevant timeframes. This table summarises the residual load variability indicators for each scenario, including average, minimum and maximum residual load, average absolute hourly residual load change, maximum hourly increase and decrease, average and maximum daily residual load range, and the number and share of hours with negative residual load.

Residual load is calculated as:

Residual Load = Load − PV Generation − Wind Generation − Must-Run Generation

Negative residual load hours indicate periods where PV generation, wind generation and must-run generation exceed system load, creating conditions that may require RES curtailment or additional downward flexibility.

Time Decomposition

Scenario	Target Year	Base Year	Battery h	Hourly RL Decomposition Indicator	Daily RL Decomposition Indicator	Seasonal RL Decomposition Indicator	Avg Daily RL Range MW	Max Daily RL Range MW	Hours with Negative Residual Load	Share of Hours with Negative Residual Load %
2028b2023_2h	2028	2023	2	1610842.9	11085.6	935.5	718.8	1017.1	1636	18.6%
2028b2024_2h	2028	2024	2	1549711.6	11762.9	1104.2	715.7	943.1	1473	16.8%
2028b2024_4hr	2028	2024	4	1641338.4	12603.9	1153.4	715.1	939.6	1700	19.5%
2028b2025_2h	2028	2025	2	1481304.7	12246.9	1075.5	686.0	1061.6	1322	15.1%
2030b2023_2h	2030	2023	2	2133558.7	12449.9	939.4	888.3	1252.5	1759	20.1%
2030b2024_2h	2030	2024	2	2135262.8	13416.3	1088.5	942.3	1207.1	1610	18.4%
2030b2025_2h	2030	2025	2	1900410.6	13728.7	1152.8	805.4	1198.8	1423	16.2%
2030b2025_4hr	2030	2025	4	1938735.1	14319.2	1209.9	805.8	1198.8	1500	17.1%

Fourier Decomposition

Scenario	Target Year	Base Year	Battery h	Fourier Component	Period h	Avg Residual Load MW	Cos Coefficient MW	Sin Coefficient MW	Fourier Amplitude MW	Approx Variance Share %	Interpretation
2028b2023_2h	2028	2023.00	2	Daily 24h	24	248.2	190.0	152.8	243.8	47.4%	Daily residual load cycle
2028b2023_2h	2028	2023.00	2	Semi-daily 12h	12	248.2	-131.2	9.3	131.5	13.8%	Semi-daily intra-day component
2028b2023_2h	2028	2023.00	2	Weekly 168h	168	248.2	-21.1	-6.5	22.0	0.4%	Weekly residual load pattern
2028b2023_2h	2028	2023.00	2	Annual/Seasonal	8784	248.2	-20.2	-75.9	78.6	4.9%	Annual/seasonal residual load component
2028b2024_2h	2028	2024.00	2	Daily 24h	24	252.3	176.8	-145.5	229.0	41.0%	Daily residual load cycle
2028b2024_2h	2028	2024.00	2	Semi-daily 12h	12	252.3	-139.6	-2.9	139.7	15.3%	Semi-daily intra-day component
2028b2024_2h	2028	2024.00	2	Weekly 168h	168	252.3	-4.2	26.9	27.3	0.6%	Weekly residual load pattern
2028b2024_2h	2028	2024.00	2	Annual/Seasonal	8784	252.3	-61.7	-64.7	89.0	6.2%	Annual/seasonal residual load component
2028b2024_4hr	2028	2024.00	4	Daily 24h	24	242.5	194.7	-150.2	245.9	43.9%	Daily residual load cycle
2028b2024_4hr	2028	2024.00	4	Semi-daily 12h	12	242.5	-152.9	5.3	153.0	17.0%	Semi-daily intra-day component
2028b2024_4hr	2028	2024.00	4	Weekly 168h	168	242.5	-3.0	29.2	29.4	0.6%	Weekly residual load pattern
2028b2024_4hr	2028	2024.00	4	Annual/Seasonal	8784	242.5	-61.8	-66.1	90.5	5.9%	Annual/seasonal residual load component
2028b2025_2h	2028	2025.00	2	Daily 24h	24	261.4	174.7	-124.0	214.2	39.6%	Daily residual load cycle
2028b2025_2h	2028	2025.00	2	Semi-daily 12h	12	261.4	-121.1	-48.8	130.6	14.7%	Semi-daily intra-day component
2028b2025_2h	2028	2025.00	2	Weekly 168h	168	261.4	4.8	23.1	23.6	0.5%	Weekly residual load pattern
2028b2025_2h	2028	2025.00	2	Annual/Seasonal	8784	261.4	-26.9	-65.4	70.7	4.2%	Annual/seasonal residual load component
2030b2023_2h	2030	2023.00	2	Daily 24h	24	321.4	277.3	-171.4	325.9	53.4%	Daily residual load cycle
2030b2023_2h	2030	2023.00	2	Semi-daily 12h	12	321.4	-165.1	34.7	168.8	14.9%	Semi-daily intra-day component
2030b2023_2h	2030	2023.00	2	Weekly 168h	168	321.4	-19.0	-3.8	19.4	0.2%	Weekly residual load pattern
2030b2023_2h	2030	2023.00	2	Annual/Seasonal	8760	321.4	-0.1	-74.2	74.2	2.9%	Annual/seasonal residual load component
2030b2024_2h	2030	2024.00	2	Daily 24h	24	320.0	275.7	-159.9	318.7	49.3%	Daily residual load cycle
2030b2024_2h	2030	2024.00	2	Semi-daily 12h	12	320.0	-184.5	18.6	185.4	16.7%	Semi-daily intra-day component
2030b2024_2h	2030	2024.00	2	Weekly 168h	168	320.0	-2.4	28.1	28.2	0.4%	Weekly residual load pattern
2030b2024_2h	2030	2024.00	2	Annual/Seasonal	8760	320.0	-42.2	-63.8	76.5	2.8%	Annual/seasonal residual load component
2030b2025_2h	2030	2025.00	2	Daily 24h	24	316.7	255.3	-118.8	281.6	47.5%	Daily residual load cycle
2030b2025_2h	2030	2025.00	2	Semi-daily 12h	12	316.7	-163.2	-50.1	170.7	17.5%	Semi-daily intra-day component
2030b2025_2h	2030	2025.00	2	Weekly 168h	168	316.7	23.1	13.8	26.9	0.4%	Weekly residual load pattern
2030b2025_2h	2030	2025.00	2	Annual/Seasonal	8760	316.7	8.6	-76.0	76.5	3.5%	Annual/seasonal residual load component
2030b2025_4hr	2030	2025.00	4	Daily 24h	24	311.4	265.4	-118.6	290.6	48.5%	Daily residual load cycle
2030b2025_4hr	2030	2025.00	4	Semi-daily 12h	12	311.4	-171.0	-50.7	179.2	18.4%	Semi-daily intra-day component
2030b2025_4hr	2030	2025.00	4	Weekly 168h	168	311.4	22.5	14.2	27.0	0.4%	Weekly residual load pattern
2030b2025_4hr	2030	2025.00	4	Annual/Seasonal	8760	311.4	12.6	-83.6	84.6	4.1%	Annual/seasonal residual load component

According to Article 8(5), residual load variability shall be characterised using established decomposition methodologies, such as time decomposition and Fourier decomposition.
In the time decomposition analysis, the residual load time series is characterised through **hourly, daily and seasonal indicators**. The hourly decomposition indicator is calculated as the **sum of absolute deviations between hourly residual load and the corresponding daily average residual load**. The **daily** decomposition indicator is calculated as the **sum of absolute deviations between daily average residual load and the corresponding weekly average**. The **seasonal** decomposition indicator is calculated as the **sum of absolute deviations between monthly average residual load and the annual average residual load.**
As a supplementary assessment, a Fourier harmonic decomposition is applied to selected periodic components of the residual load time series, including semi-daily, daily, weekly and annual/seasonal components. The main Fourier-based indicators are the Fourier Amplitude and the Approximate Variance Share. The Fourier Amplitude indicates the strength of the corresponding periodic component in MW, while the Approximate Variance Share indicates the relative contribution of that component to the overall residual load variability.

Scenario	Target Year	Base Year	Battery h	Total Consumed Energy MWh	RES Penetration Target %	Required Integrated RES MWh	Total Absorbed RES Generation MWh	Total Available RES Generation MWh	Total Final RES Curtailment MWh	Effective RES Penetration %	Available RES penetration % (without curtailment)	Residual RES Target Gap MWh	Final RES Curtailment Share %	Maximum Acceptable RES Curtailment MWh	Curtailment-related Uncovered RES Integration Need MWh	Target Status
2028b2023_2h	2028	2023	2	6107782.0	28.9%	1765149.0	2082756.8	2254884.5	171927.7	34.1%	36.8%	0.0	7.6%	489535.5	0.0	Target met after curtailment
2028b2024_2h	2028	2024	2	6110728.5	28.9%	1766000.5	2049479.2	2372253.4	322774.2	33.5%	38.8%	0.0	13.6%	606252.9	0.0	Target met after curtailment
2028b2024_4hr	2028	2024	4	6110728.5	28.9%	1766000.5	2135719.1	2371136.8	235417.7	35.0%	38.8%	0.0	9.9%	605136.2	0.0	Target met after curtailment
2028b2025_2h	2028	2025	2	6205627.8	28.9%	1793429.3	2065097.3	2302123.6	237026.3	33.3%	37.1%	0.0	10.3%	508694.3	0.0	Target met after curtailment
2030b2023_2h	2030	2023	2	7199175.2	37.6%	2705383.9	2540227.3	2632240.3	92013.3	35.3%	36.6%	73145.4	3.5%	0.0	92013.3	Target not achievable with available RES
2030b2024_3h	2030	2024	3	7199175.0	37.6%	2705383.9	2552480.1	2757764.8	205284.8	35.5%	38.3%	0.0	7.4%	523379.0	152905.7	Target achievable before curtailment
2030b2025_2h	2030	2025	2	7094754.9	37.6%	2668101.5	2483010.3	2551181.9	51171.6	35.0%	35.7%	134919.8	2.0%	0.0	51171.6	Target not achievable with available RES
2030b2025_4hr	2030	2025	4	7094754.9	37.6%	2668101.5	2528297.6	2533461.8	5164.1	35.6%	35.7%	134839.9	0.2%	0.0	5164.1	Target not achievable with available RES

According to Articles 8(6)–8(9), the RES curtailment results are compared against the RES penetration target in order to assess whether the expected RES integration target is achieved and whether uncovered RES integration needs remain.

The RES penetration target is applied as a percentage of total consumed energy. The required integrated RES energy is calculated as Total Consumed Energy multiplied by the RES penetration target. In this assessment, the RES penetration targets used are 28.9% for 2028 and 37.6% for 2030.

Effective RES Penetration is calculated using absorbed RES generation after curtailment. Available RES Penetration is calculated using total available RES generation before curtailment.

Maximum Acceptable RES Curtailment represents the amount of available RES generation that could be curtailed while still meeting the RES penetration target. Curtailment-related Uncovered RES Integration Need is calculated as the amount of final RES curtailment exceeding this maximum acceptable curtailment.

Where the Available RES Penetration is below the RES penetration target, the target is not achievable even in the absence of RES curtailment. This reflects a residual RES target gap related to insufficient available RES generation in the scenario, rather than a curtailment-related RES integration need alone.

In accordance with Article 8(10)–8(12), the assessment of additional resources focuses on flexibility resources required to reduce RES curtailment where positive curtailment-related uncovered RES integration needs are identified. The quantification of additional RES capacity required to increase available RES generation is outside the scope of the Article 8 flexibility-resource assessment and would need to be addressed through generation expansion / RES development assumptions.

Sub-Article	Requirement	TSOC Implementation / Status
Article 8(13)	Consider additional downward needs related to network constraints, unavailability or other relevant limitations, where applicable.	No separate quantified network-related RES curtailment, unavailability or derating time series was applied in this Article 8 assessment. The RES curtailment assessment is based on UCED results and the applicable Article 9 / Article 10 downward flexibility-related add-ons.
Article 8(14)	Repeat relevant steps and avoid double counting where additional fine-tuning inputs are applied.	Since no separate network/unavailability fine-tuning time series was applied, no additional repetition of the Article 8 calculations was required. Double counting between Article 9 and Article 10 downward add-ons is avoided through the hourly MAX operator.
Article 8(15)	Apply derating of flexible resources where relevant.	No additional derating factors for flexible resources were applied in the present Article 8 calculation. RESS operation is reflected through the UCED scenario assumptions.
Article 8(16)	Report the impact of derating assumptions where applied.	Not applicable, as no additional derating factors were applied outside the UCED scenario assumptions.
Article 8(17)	Ensure that flexibility resources already considered in other needs assessments are not double-counted.	Applied. Article 9 downward ramping add-ons and Article 10 downward short-term add-ons are incorporated into the Article 8 final RES curtailment time series using MAX(Article 9 add-on, Article 10 add-on), not by summation.

Item	Treatment
Article 9 downward ramping add-on	Included in the hourly Article 8 final RES curtailment calculation.
Article 10 downward short-term add-on	Included in the hourly Article 8 final RES curtailment calculation.
Combination of Article 9 and Article 10 add-ons	Combined through hourly MAX operator, not by summation.
Annual Total Final RES Curtailment	Calculated as the sum of hourly final RES curtailment values.
Significant curtailment threshold	The 1 MWh threshold is used only for curtailment-hour and event-related statistics, not for annual Total Final RES Curtailment MWh.

This sheet documents the treatment of Article 8(13)–8(17), which relate to fine-tuning, network-related constraints, unavailability, derating and avoidance of double counting.

In the present assessment, no separate quantified network-related RES curtailment or unavailability time series was applied. Therefore, the Article 8 results are based on the UCED-derived RES curtailment time series and the applicable downward flexibility-related add-ons from Article 9 and Article 10.

Double counting between the Article 9 downward ramping add-on and the Article 10 downward short-term flexibility add-on is avoided by applying the maximum of the two add-ons at hourly level. Therefore, the final RES curtailment time series is calculated as:

Final RES Curtailment = UCED RES Curtailment + MAX(Article 9 Downward Ramping Add-on, Article 10Downward Short-Term Add-on)

Field	Value
Deliverable	FNA Article 9 – Ramping Needs
Submitted to	CERA
Prepared by	TSOC
Methodology Route	Article 9(11)
Target Years	2028, 2030
Weather/Base Years	2023, 2024, 2025
Battery Cases	2h and 4h BESS cases where available

Scenario	Target Year	Base / Weather Year	Battery h	Source UCED / Input	Description
2028b2023_2h	2028	2023	2	UCED_2028b2023	2028 target year using 2023 weather/base year and 2h BESS
2028b2024_2h	2028	2024	2	UCED_2028b2024	2028 target year using 2024 weather/base year and 2h BESS
2028b2024_4hr	2028	2024	4	UCED_2028b2024_4hr	2028 target year using 2024 weather/base year and 4h BESS
2028b2025_2h	2028	2025	2	UCED_2028b2025	2028 target year using 2025 weather/base year and 2h BESS
2030b2023_2h	2030	2023	2	UCED_2030b2023	2030 target year using 2023 weather/base year and 2h BESS
2030b2024_2h	2030	2024	2	UCED_2030b2024	2030 target year using 2024 weather/base year and 2h BESS
2030b2025_2h	2030	2025	2	UCED_2030b2025	2030 target year using 2025 weather/base year and 2h BESS
2030b2025_4hr	2030	2025	4	UCED_2030b2025_4hr	2030 target year using 2025 weather/base year and 4h BESS

Methodological approach under Article 9(11)

The ramping needs assessment is performed under Article 9(11) of the FNA Methodology. Since the UCED simulations used by TSOC embed ramping constraints, the assessment is limited to extracting and analysing the impact of ramping constraints directly from the economic dispatch simulation results.

As the simulation tool does not explicitly report uncovered ramping needs, the impact of ramping constraints is assessed by comparing two UCED simulations for each target year and weather/base-year scenario:

1. a full-constraints UCED simulation, where ramping constraints are applied; and
2. a relaxed-ramping UCED simulation, where ramping constraints are relaxed while keeping all other input assumptions unchanged.

The additional ENS observed in the full-constraints case compared with the relaxed-ramping case is interpreted as an upward ramping-related impact. The additional RES curtailment observed in the full-constraints case compared with the relaxed-ramping case is interpreted as a downward ramping-related impact, relevant for the RES integration needs assessment under Article 8.

Scenario	RES Full Constraints (MWh)	EVS Reliant (MWh)	Additional EVS due to ramping (MWh)	RES Curtailment Full (MWh)	RES Curtailment Relaxed (MWh)	Additional RES Curtailment due to Ramping (MWh)	Upward Ramping Used (Yes/No)	Downward Ramping Used (Yes/No)
2026b2023_1h	280.2	280.2	0.0	166541.0	161865.4	4675.6	Not identified	Identified
2026b2024_2h	86.3	86.3	0.0	307482.6	292637.0	14845.6	Not identified	Identified
2026b2024_4hr	105.7	105.7	0.0	221242.0	207580.5	13662.1	Not identified	Identified
2026b2025_2h	139.0	139.0	0.0	200997.8	165742.7	35255.1	Not identified	Identified
2030b2023_2h	168.4	168.4	0.0	91326.2	91218.7	107.5	Not identified	Identified
2030b2024_2h	249.2	249.2	0.0	204180.9	203154.6	1026.4	Not identified	Identified
2030b2025_2h	1055.3	1055.3	0.0	50921.4	50754.1	167.3	Not identified	Identified
2030b2025_4hr	258.9	258.9	0.0	4744.1	4564.1	180.0	Not identified	Identified

Scenario	Additional RES Curtailment due to Ramping MWh	Used for Article 8 RES Integration?	Treatment in Article 8
2028b2023_2h	4675.6	Yes	Considered in Article 8 assessment
2028b2024_2h	14845.6	Yes	Considered in Article 8 assessment
2028b2024_4hr	13662.1	Yes	Considered in Article 8 assessment
2028b2025_2h	35255.1	Yes	Considered in Article 8 assessment
2030b2023_2h	107.5	Yes	Considered in Article 8 assessment
2030b2024_2h	1026.4	Yes	Considered in Article 8 assessment
2030b2025_2h	167.3	Yes	Considered in Article 8 assessment
2030b2025_4hr	180.0	Yes	Considered in Article 8 assessment

Field	Value
Deliverable	FNA Article 10 – Short-Term Flexibility Needs
Submitted to	CERA
Prepared by	TSOC
Target Years	2028, 2030
Weather/Base Years	2023, 2024, 2025
Battery Cases	2h and 4h BESS cases where available
Methodology Reference	ACER Decision 05/2025 – FNA Methodology Annex I
Version	1st
Date	02/06/2026

Scenario	Target Year	Base / Weather Year	Battery h	Source UCED / Input	Description
2028b2023_2h	2028	2023	2	UCED_2028b2023	2028 target year using 2023 weather/base year and 2h BESS
2028b2024_2h	2028	2024	2	UCED_2028b2024	2028 target year using 2024 weather/base year and 2h BESS
2028b2024_4hr	2028	2024	4	UCED_2028b2024_4hr	2028 target year using 2024 weather/base year and 4h BESS
2028b2025_2h	2028	2025	2	UCED_2028b2025	2028 target year using 2025 weather/base year and 2h BESS
2030b2023_2h	2030	2023	2	UCED_2030b2023	2030 target year using 2023 weather/base year and 2h BESS
2030b2024_2h	2030	2024	2	UCED_2030b2024	2030 target year using 2024 weather/base year and 2h BESS
2030b2025_2h	2030	2025	2	UCED_2030b2025	2030 target year using 2025 weather/base year and 2h BESS
2030b2025_4hr	2030	2025	4	UCED_2030b2025_4hr	2030 target year using 2025 weather/base year and 4h BESS

Results per weather scenario

Scenario	Day Type	Weather	Hour	Peak Load	Peak Net Load	Ramp	Curtailment
2018_WS2018	Season	Winter	1134	4564	3431	4564	3417
2018_WS2018	Season	Spring	2190	4012	4481	4012	3389
2018_WS2018	Season	Summer	3258	4113	3413	3123	3413
2018_WS2018	Season	Autumn	4434	4012	3389	3012	3170
2018_WS2018	Season	Winter	2934	3981	3171	3981	3372
2019_WS2019	Season	Spring	3186	4965	3417	4965	3417
2019_WS2019	Season	Summer	3245	4320	3413	3123	3413
2019_WS2019	Season	Autumn	3264	4965	3417	4965	3417
2020_WS2020	Season	Winter	3264	4012	3389	3012	3170
2020_WS2020	Season	Spring	3258	4564	3431	4564	3417
2020_WS2020	Season	Summer	3264	4012	3389	3012	3170
2020_WS2020	Season	Autumn	3264	3981	3171	3981	3372
2021_WS2021	Season	Winter	2190	4012	3413	3012	3413
2021_WS2021	Season	Spring	3186	4089	3431	3012	3417
2021_WS2021	Season	Summer	3258	4564	3431	4564	3417
2021_WS2021	Season	Autumn	3264	4012	3389	3012	3170
2022_WS2022	Season	Winter	3264	4012	3389	3012	3170
2022_WS2022	Season	Spring	3186	4089	3431	3012	3417
2022_WS2022	Season	Summer	3258	4564	3431	4564	3417
2022_WS2022	Season	Autumn	3264	4012	3389	3012	3170
2023_WS2023	Day Type	Weekday	4248	3981	3171	3981	3372
2023_WS2023	Day Type	Weekend	3588	4012	3389	3012	3170
2024_WS2024	Day Type	Weekend	3588	4012	3389	3012	3170
2024_WS2024	Day Type	Weekend	3594	4564	3431	4564	3417
2025_WS2025	Day Type	Weekday	4248	3981	3171	3981	3372
2025_WS2025	Day Type	Weekend	3588	4012	3389	3012	3170
2025_WS2025	Day Type	Weekend	3594	4564	3431	4564	3417
2025_WS2025	Day Type	Weekday	4248	3981	3171	3981	3372
2026_WS2026	Hour	0	588	3714	3013	3714	3446
2026_WS2026	Hour	1	588	3714	3013	3714	3446
2026_WS2026	Hour	2	588	3714	3013	3714	3446
2026_WS2026	Hour	3	588	3714	3013	3714	3446
2026_WS2026	Hour	4	588	3714	3013	3714	3446
2026_WS2026	Hour	5	588	3714	3013	3714	3446
2026_WS2026	Hour	6	588	3714	3013	3714	3446
2026_WS2026	Hour	7	588	3714	3013	3714	3446
2026_WS2026	Hour	8	588	3714	3013	3714	3446
2026_WS2026	Hour	9	588	3714	3013	3714	3446
2026_WS2026	Hour	10	588	3714	3013	3714	3446
2026_WS2026	Hour	11	588	3714	3013	3714	3446
2026_WS2026	Hour	12	588	3714	3013	3714	3446
2026_WS2026	Hour	13	588	3714	3013	3714	3446
2026_WS2026	Hour	14	588	3714	3013	3714	3446
2026_WS2026	Hour	15	588	3714	3013	3714	3446
2026_WS2026	Hour	16	588	3714	3013	3714	3446
2026_WS2026	Hour	17	588	3714	3013	3714	3446
2026_WS2026	Hour	18	588	3714	3013	3714	3446
2026_WS2026	Hour	19	588	3714	3013	3714	3446
2026_WS2026	Hour	20	588	3714	3013	3714	3446
2026_WS2026	Hour	21	588	3714	3013	3714	3446
2026_WS2026	Hour	22	588	3714	3013	3714	3446
2026_WS2026	Hour	23	588	3714	3013	3714	3446

Combined Hybrid Distributions by (Time Period / System Condition)

Target Year	Day Type	Weather	Hour	Peak Load	Peak Net Load	Ramp	Curtailment
2027	Season	Winter	6555	4564	3431	4564	3417
2027	Season	Spring	6434	4012	3389	3012	3170
2027	Season	Summer	6324	4564	3431	4564	3417
2027	Season	Autumn	6555	4012	3389	3012	3170
2027	Season	Winter	6465	3981	3171	3981	3372
2028	Season	Spring	6324	4089	3431	3012	3417
2028	Season	Summer	6324	4564	3431	4564	3417
2028	Season	Autumn	6555	4012	3389	3012	3170
2029	Day Type	Weekend	7555	3981	3171	3981	3372
2029	Day Type	Weekend	14256	4564	3431	4564	3417
2029	Day Type	Weekend	7488	4012	3389	3012	3170
2029	Day Type	Weekday	14710	4012	3389	3012	3170
2030	Hour	0	6288	4012	3389	3012	3170
2030	Hour	1	6288	4012	3389	3012	3170
2030	Hour	2	6288	4012	3389	3012	3170
2030	Hour	3	6288	4012	3389	3012	3170
2030	Hour	4	6288	4012	3389	3012	3170
2030	Hour	5	6288	4012	3389	3012	3170
2030	Hour	6	6288	4012	3389	3012	3170
2030	Hour	7	6288	4012	3389	3012	3170
2030	Hour	8	6288	4012	3389	3012	3170
2030	Hour	9	6288	4012	3389	3012	3170
2030	Hour	10	6288	4012	3389	3012	3170
2030	Hour	11	6288	4012	3389	3012	3170
2030	Hour	12	6288	4012	3389	3012	3170
2030	Hour	13	6288	4012	3389	3012	3170
2030	Hour	14	6288	4012	3389	3012	3170
2030	Hour	15	6288	4012	3389	3012	3170
2030	Hour	16	6288	4012	3389	3012	3170
2030	Hour	17	6288	4012	3389	3012	3170
2030	Hour	18	6288	4012	3389	3012	3170
2030	Hour	19	6288	4012	3389	3012	3170
2030	Hour	20	6288	4012	3389	3012	3170
2030	Hour	21	6288	4012	3389	3012	3170
2030	Hour	22	6288	4012	3389	3012	3170
2030	Hour	23	6288	4012	3389	3012	3170
2031	Load Condition	High Load	8589	4012	3389	3012	3170
2031	Load Condition	Normal Load	12171	3981	3171	3981	3372
2031	Load Condition	Low Load	8589	3981	3171	3981	3372
2032	Load Condition	High Load	8579	4012	3389	3012	3170
2032	Load Condition	Normal Load	13182	4012	3389	3012	3170
2032	Load Condition	Low Load	8579	4012	3389	3012	3170
2033	RES Condition	Low RES	8586	4012	3389	3012	3170
2033	RES Condition	Normal RES	13170	4012	3389	3012	3170
2033	RES Condition	High RES	8586	4012	3389	3012	3170
2034	RES Condition	Low RES	8579	4012	3389	3012	3170
2034	RES Condition	Normal RES	13149	4012	3389	3012	3170
2034	RES Condition	High RES	8579	4012	3389	3012	3170
2035	Critical Condition	High RES / Low Load	292	4012	3389	3012	3170
2035	Critical Condition	Low RES / High Load	948	4012	3389	3012	3170
2035	Critical Condition	Other	18128	4012	3389	3012	3170
2036	Critical Condition	High RES / Low Load	289	4012	3389	3012	3170
2036	Critical Condition	Low RES / High Load	948	4012	3389	3012	3170
2036	Critical Condition	Other	18186	4012	3389	3012	3170

Overall Monthly Hybrid Distributions

Target Year	Samples	Peak Load	Peak Net Load	Ramp	Curtailment
2028	18591	4012	3389	3012	3170
2044	18630	4012	3389	3012	3170

Accounting for Article 2(1)(b), the residual load forecast errors were calculated at hourly granularity as the difference between the day-ahead forecast of residual load and the corresponding realized outcome. Forecast and realized load for each forecast error was calculated using the subsequent hybrid distributions:

ALDE = Demand DE - WindDE - PV DE - Must-Run DE

where each forecast error is defined as:

Forecast Error = (i) Forecast - Actual Value

For each target year, three scenarios were considered and for each year the were processed using historical forecast error patterns from 2022, 2023 and 2024. The projected demand, PV and wind time series for the target years were used to calculate the expected evolution of load and residual load capacity. The forecasting procedure and factor was not relied on assuming that no forecasting improvement was undertaken.

According to Article 2(1)(b), the probability distributions of residual load forecast errors were further analysed using separate distributions representing different time periods and system conditions.

The following classifications were applied:

1. Season: Winter, Spring, Summer, Autumn
2. Day Type: Weekday, Weekend
3. Hour of Day: 0 to 23
4. Load Condition: Low Load, Normal Load, High Load
5. RES Condition: Low RES, Normal RES, High RES
6. Critical Condition: High RES / Low Load, Low RES / High Load, Other

For the classification of high and low load and RES conditions, the 25th and 75th percentiles of the corresponding year-ahead net RES of relative time series were used as thresholds. The 0.5 and 99.5 percentiles were then calculated on the residual load forecast error distributions within each category.

The 0.5 percentile of the residual load forecast error distribution was used as the **upward regulation (positive error and consumption or day-ahead shortage) need**. The 99.5 percentile was used as the **downward shortage (negative error and surplus generation or day-ahead surplus) need**.

With the application based on this analysis:

Negative RLFE → Upward short-term flexibility need

Positive RLFE → Downward short-term flexibility need

For values that do not represent cross-zero near-term flexibility needs, they do not yet represent a current short-term flexibility need, which requires observation with the positive and negative margins of flexible resources according to Article 18(2) of Annex I (2).

2026_WS2024	Hour	22	365	-647.0	140.0	940.6	192.6	
2026_WS2024	Hour	22	365	-631.6	201.5	957.9	191.5	
2026_WS2024	Hour	22	365	-596.6	244.9	709.4	188.9	
2030_WS2024	Hour	22	365	-711.3	155.3	712.1	191.3	
2030_WS2024	Hour	24	365	-604.2	179.9	960.3	179.9	
2030_WS2024	Hour	18	365	-616.2	73.8	923.1	73.8	
2030_WS2024	Hour	20	365	-613.5	94.3	915.3	94.3	
2002_WS2024	Hour	17	365	-467.5	27.2	467.5	27.2	
2026_WS2024	Hour	18	365	-650.7	24.8	650.7	24.8	
2026_WS2024	Hour	19	365	-592.0	84.0	953.0	84.0	
2026_WS2024	Hour	20	365	-589.6	59.3	941.6	58.8	
2026_WS2024	Hour	21	365	-596.8	78.4	964.3	78.1	
2026_WS2024	Hour	22	365	-568.0	3.7	568.6	3.7	
2026_WS2024	Hour	23	365	-615.6	17.7	125.0	17.7	
2026_WS2025	Hour	0	365	-49.9	199.2	99.0	199.2	
2026_WS2025	Hour	1	365	-60.9	54.8	93.8	54.8	
2026_WS2025	Hour	2	365	-66.7	84.0	89.7	84.0	
2026_WS2025	Hour	3	365	-71.1	33.6	73.1	33.6	
2026_WS2025	Hour	4	365	-51.2	89.1	92.3	89.5	
2026_WS2025	Hour	5	365	-54.1	99.8	94.3	99.8	
2026_WS2025	Hour	6	365	-40.4	126.6	42.0	126.6	
2026_WS2025	Hour	7	365	-194.1	234.6	194.1	232.6	
2026_WS2025	Hour	8	365	-359.7	267.1	260.7	267.1	
2026_WS2025	Hour	9	365	-359.8	260.6	359.8	260.6	
2026_WS2025	Hour	10	365	-426.0	267.5	384.0	267.5	
2026_WS2025	Hour	11	365	-426.2	259.4	426.2	259.4	
2026_WS2025	Hour	12	365	-426.3	267.5	426.3	267.5	
2026_WS2025	Hour	13	365	-418.6	258.1	418.6	258.3	
2026_WS2025	Hour	14	365	-419.0	233.0	419.0	234.6	
2026_WS2025	Hour	15	365	-412.7	218.7	412.7	220.7	
2026_WS2025	Hour	16	365	-230.3	193.8	375.9	235.6	
2026_WS2025	Hour	17	365	-251.6	159.5	251.6	159.5	
2026_WS2025	Hour	18	365	-192.8	160.3	292.6	162.3	
2026_WS2025	Hour	19	365	-167.6	141.1	167.6	143.1	
2026_WS2025	Hour	20	365	-134.0	140.6	134.0	142.4	
2026_WS2025	Hour	21	365	-121.8	114.6	121.9	122.8	
2026_WS2025	Hour	22	365	-118.6	80.3	125.6	80.3	
2032_WS2025	Hour	23	365	-119.8	78.1	189.8	78.1	
2026_WS2019	Load Condition	Low Load	2190	-223.4	200.0	221.4	200.0	
2026_WS2019	Load Condition	Normal Load	4380	-402.9	351.4	401.9	398.4	
2026_WS2019	Load Condition	High Load	2190	-403.4	337.0	434.4	337.0	
2026_WS2019	Load Condition	Low Load	2190	-174.3	113.3	174.3	128.1	
2026_WS2024	Load Condition	Normal Load	4380	-385.9	356.5	368.0	356.5	
2026_WS2024	Load Condition	High Load	2190	-330.6	254.1	330.6	254.1	
2026_WS2025	Load Condition	Low Load	2190	-167.6	168.1	167.6	168.1	
2026_WS2025	Load Condition	Normal Load	4380	-368.9	351.7	368.9	351.7	
2026_WS2025	Load Condition	High Load	2190	-344.4	353.7	358.1	353.7	
2032_WS2023	Load Condition	Low Load	2190	-213.0	174.9	213.6	224.9	
2032_WS2023	Load Condition	Normal Load	4380	-404.3	457.0	402.2	427.8	
2032_WS2023	Load Condition	High Load	2190	-416.1	394.2	426.2	394.7	
2032_WS2024	Load Condition	Low Load	2190	-368.2	89.2	346.3	89.2	
2032_WS2024	Load Condition	Normal Load	4380	-404.9	418.2	334.9	354.2	
2032_WS2024	Load Condition	High Load	2190	-384.3	85.9	382.2	85.9	
2032_WS2025	Load Condition	Low Load	2190	-274.0	189.5	274.0	189.5	
2032_WS2025	Load Condition	Normal Load	4380	-340.1	277.1	340.2	279.3	
2032_WS2025	Load Condition	High Load	2190	-404.2	348.8	414.2	348.8	
2026_WS2023	NES Condition	Low NES	2190	-140.0	95.7	148.0	95.7	
2026_WS2023	NES Condition	Normal NES	4050	-443.0	344.1	443.9	344.1	
2026_WS2023	NES Condition	High NES	2190	-342.1	348.7	381.3	448.9	
2026_WS2024	NES Condition	Low NES	2190	-150.1	152.1	190.1	152.2	
2026_WS2024	NES Condition	Normal NES	4050	-414.0	333.5	424.0	330.5	
2026_WS2024	NES Condition	High NES	2190	-305.9	348.5	399.9	348.8	
2026_WS2025	NES Condition	Low NES	2190	-127.4	102.4	127.4	102.4	
2026_WS2025	NES Condition	Normal NES	4050	-344.0	338.1	381.6	338.1	
2026_WS2025	NES Condition	High NES	2190	-348.1	342.9	387.1	342.7	
2030_WS2023	NES Condition	Low NES	2190	-134.1	108.1	134.5	105.1	
2030_WS2023	NES Condition	Normal NES	4048	-423.8	347.1	423.8	347.1	
2030_WS2023	NES Condition	High NES	2190	-338.1	332.8	351.3	332.8	
2030_WS2024	NES Condition	Low NES	2190	-365.1	42.2	365.1	42.2	
2030_WS2024	NES Condition	Normal NES	4048	-711.5	109.1	711.5	109.1	
2030_WS2024	NES Condition	High NES	2190	-357.7	342.6	357.7	342.6	
2030_WS2025	NES Condition	Low NES	2190	-150.1	108.4	150.1	106.4	
2030_WS2025	NES Condition	Normal NES	4380	-355.7	354.1	398.7	352.5	
2030_WS2025	NES Condition	High NES	2190	-349.0	280.0	349.0	280.0	
2026_WS2023	Critical Condition	% NES / Low L	183	-44.5	447.4	44.1	447.4	
2026_WS2023	Critical Condition	r NES / High C	273	-151.4	90.2	151.4	90.2	
2026_WS2023	Critical Condition	Other	8034	-419.8	379.9	419.8	379.4	
2026_WS2024	Critical Condition	% NES / Low L	92	-202.1	111.7	202.1	111.7	
2026_WS2024	Critical Condition	r NES / High C	256	-194.2	96.8	-179.5	96.8	
2026_WS2024	Critical Condition	Other	6449	-378.9	310.4	350.9	310.4	
2026_WS2025	Critical Condition	% NES / Low L	92	-253.9	348.1	253.9	348.1	
2026_WS2025	Critical Condition	r NES / High C	404	-394.5	100.0	254.5	100.0	
2026_WS2025	Critical Condition	Other	8172	-388.8	394.3	366.9	394.5	
2030_WS2023	Critical Condition	% NES / Low L	221	-97.5	561.9	97.6	547.8	
2030_WS2023	Critical Condition	r NES / High C	299	-170.9	100.3	173.8	102.2	
2030_WS2023	Critical Condition	Other	8291	-491.0	405.6	499.4	405.6	
2030_WS2024	Critical Condition	% NES / Low L	78	-96.1	105.7	102.1	105.7	
2030_WS2024	Critical Condition	r NES / High C	250	-383.0	-107.5	182.0	0.0	
2030_WS2024	Critical Condition	Other	8420	-430.5	398.3	430.5	398.9	
2030_WS2025	Critical Condition	% NES / Low L	90	-162.5	93.7	180.9	43.7	
2026_WS2025	Critical Condition	r NES / High C	346	-220.7	106.7	220.7	106.7	
2026_WS2025	Critical Condition	Other	8333	-354.2	170.0	354.2	170.0	
2026_WS2023	Overall	All Hours	8784	-412.0	378.5	412.1	374.5	
2026_WS2024	Overall	All Hours	8784	-359.5	109.9	359.5	106.5	
2026_WS2025	Overall	All Hours	8784	-368.1	105.9	368.1	102.9	
2030_WS2023	Overall	All Hours	8760	-492.2	444.4	492.2	444.4	
2030_WS2024	Overall	All Hours	8760	-492.8	185.4	492.8	185.4	
2030_WS2025	Overall	All Hours	8760	-356.8	180.0	350.8	268.0	

Article 10 (2) Residual Margin Summary

Scenario	Target Year	Base Year	Battery h	Avg Upward RM MW	Avg Downward RM MW	Min Upward RM MW	Min Downward RM MW	Max Upward RM MW	Max Downward RM MW
2028b2023_2h	2028	2023	2	325.9	345.2	0.0	0	688.1	773.9
2028b2024_2h	2028	2024	2	333.3	340.2	0.0	0	723.6	744.8
2028b2024_4hr	2028	2024	4	330.8	337.4	0.0	0	758.8	763.2
2028b2025_2h	2028	2025	2	367.3	325.6	106.9	0	735.0	828.0
2030b2023_2h	2030	2023	2	470.6	429.1	0.0	0	987.0	844.7
2030b2024_2h	2030	2024	2	471.8	428.6	0.0	0	1080.5	823.5
2030b2025_2h	2030	2025	2	462.5	422.0	0.0	0	991.6	949.8
2030b2025_4hr	2030	2025	4	457.0	412.9	48.2	0	923.7	957.8

Methodological note – Article 10(2)-(3)

According to **Article 10(2)**, the dispatch of flexible resources was extracted from the economic dispatch results for each MTU, weather/base-year scenario and target year. In this assessment, the relevant flexible resources considered in the residual margin calculation include dispatchable conventional generation units and battery storage assets represented in the UCED results.

For dispatchable generation units, the short-term residual margins were calculated using the difference between the dispatched power output and the technical minimum and maximum power limits of each unit:

Upward Generation Residual Margin = Pmax – Dispatch

Downward Generation Residual Margin = Dispatch – Pmin

Only units that were online in the UCED dispatch were considered as immediately available for short-term residual margin provision. A unit was considered online when its dispatch was greater than zero.

For battery storage assets, the residual margins were calculated as net adjustment margins from the current charging or discharging operating point. The *upward battery residual margin* represents the ability of the battery to move from its current position towards **maximum discharging capability**, while the *downward battery residual margin* represents the ability to move from its current position towards **maximum charging capability**.

Upward Battery Residual Margin = MAX(BESS Power – Discharging Power, 0) + Charging Power

Downward Battery Residual Margin = MAX(BESS Power – Charging Power, 0) + Discharging Power

These battery margins represent the possible change in the net position of the battery and do not imply that the battery can inject power above its rated MW capacity.

The total upward and downward residual margins were then calculated as the sum of the generation and battery residual margins for each hour:

Total Upward Residual Margin = Upward Generation RM + Upward Battery RM

Total Downward Residual Margin = Downward Generation RM + Downward Battery RM

The present table summarises, **for each scenario, the average, minimum and maximum upward and downward residual margins calculated from the hourly UCED-based residual margin time series.** The 2-hour and 4-hour battery cases are compared on the basis of the same BESS power rating **but different energy capacities**; therefore, differences between these cases arise from the UCED dispatch and state-of-charge profile rather than from increased instantaneous power capability.

The calculation also supports the technical characterisation required under **Article 10(3)**, as the residual margins are linked to unit-level technical assumptions such as **Pmin, Pmax and storage power/energy constraints.** Further dynamic constraints, such as **ramp rates, start-up/shut-down times and minimum up/down times**, are documented in the assumptions where available and may be further refined in subsequent implementation cycles if additional detailed data are required.

Article 16 Final Summary

2025040516_05	1028	2029	1	4754	4640	710	744	9.2	9.6	46	50	451.9	474.1	121.4	118.8	440.4	537.4
2025040514_06	1029	2034	1	4776	4569	690	676	4.5	3.9	28	12	551.5	496.3	117.9	116.8	543.5	466.2
2025040514_09	1030	2034	4	3442	3502	645	655	6.7	8.4	24	14	349.8	329.3	124.9	118.2	750.2	386.5
2025040520_19	1008	2013	1	3247	3328	648	716	5.8	7.3	19	17	343.2	351.9	84.4	108.3	648.4	670.6
2025040522_19	1009	2013	1	3540	3346	595	695	7.9	7.9	33	32	491.2	466.4	127.3	120.4	1240.8	1181.4
2025040514_13	1040	1054	3	7548	911	1481	532	13.0	1.7	78	3	1122.9	181.4	157.7	64.5	1220.1	61.9
2025040520_19	1040	1023	1	1344	1748	388	439	3.8	4.1	4	5	355.5	262.6	93.1	64.1	93.3	62.2
2025040605_05	1036	1035	4	3237	3137	613	779	5.4	8.6	9	9	392.8	281.0	171.5	113.4	294.9	194.1

Methodology/Formula - Article 16(4)(c)

According to Article 16(4), the upward and downward uncovered short-term flexibility needs were calculated for each MTU and weather/base-year scenario by comparing the short-term flexibility needs derived under Article 16(3) with the available residual margins calculated under Article 16(2) and otherwise laid under Article 16(3).

The uncovered short-term flexibility needs were calculated as follows:

Uncovered Upward ST Need = MAX(Upward ST Need − Total Upward Residual Margin, 0)

Uncovered Downward ST Need = MAX(Downward ST Need − Total Downward Residual Margin, 0)

A positive uncovered upward value indicates that the available upward residual margin is insufficient to cover the upward short-term flexibility need. A positive uncovered downward value indicates that the available downward residual margin is insufficient to cover the downward short-term flexibility need. A zero value indicates that the available residual margin is sufficient for the corresponding direction.

The present table summarises the uncovered short-term flexibility needs per scenario. The "Upward Hours" and "Downward Hours" columns show the number of hours where the corresponding uncovered need is greater than zero. The "Upward Events" and "Downward Events" columns show the number of continuous event periods identified within each scenario. An event is defined as a continuous sequence of hours, within the same scenario, during which the uncovered need remains greater than zero.

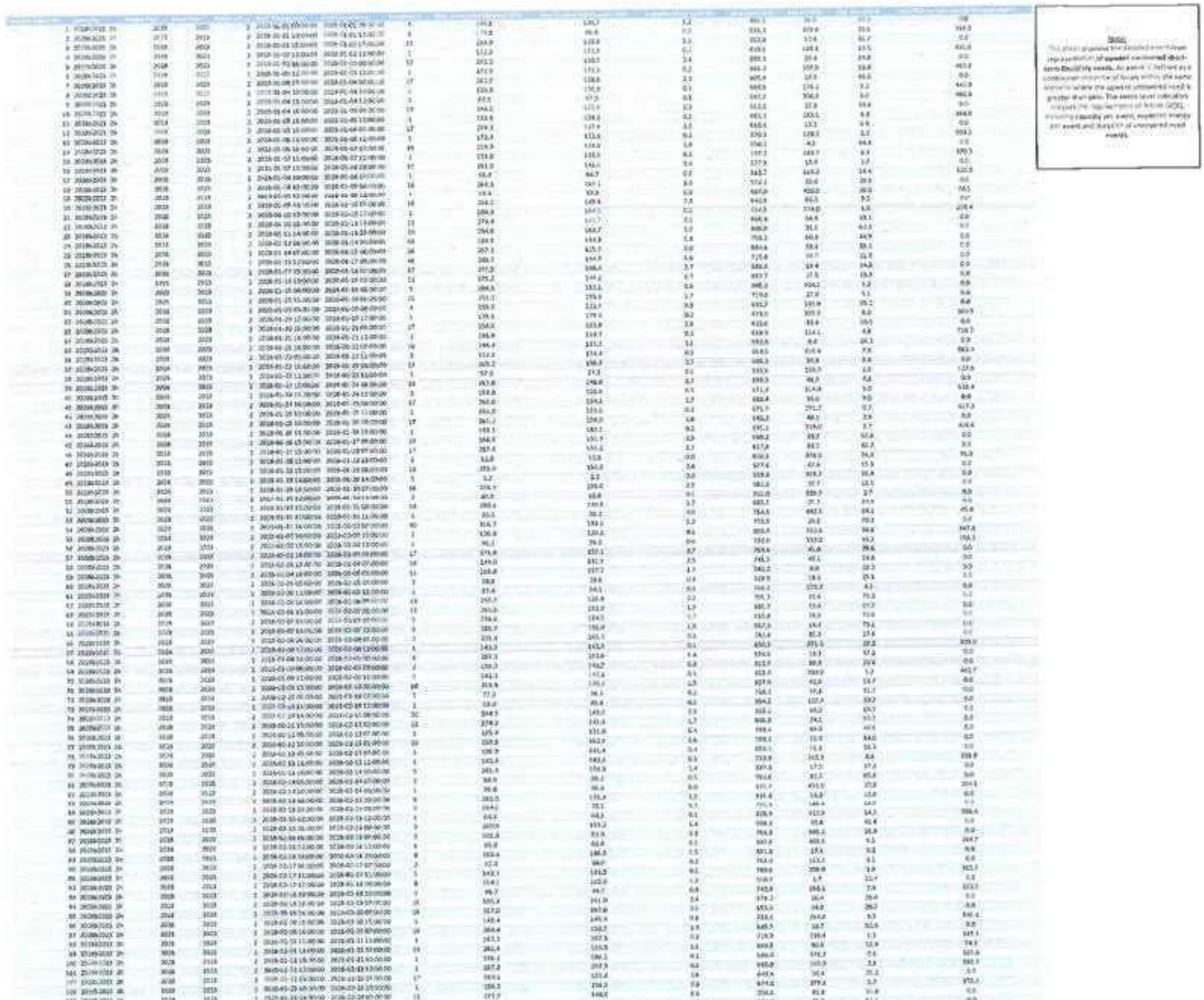
The event duration indicators show the average and maximum duration of these continuous uncovered need events. The max hourly uncovered capacity indicators show the highest hourly uncovered upward or downward need observed within each scenario. The average event capacity indicators represent the average capacity of the identified uncovered need events.

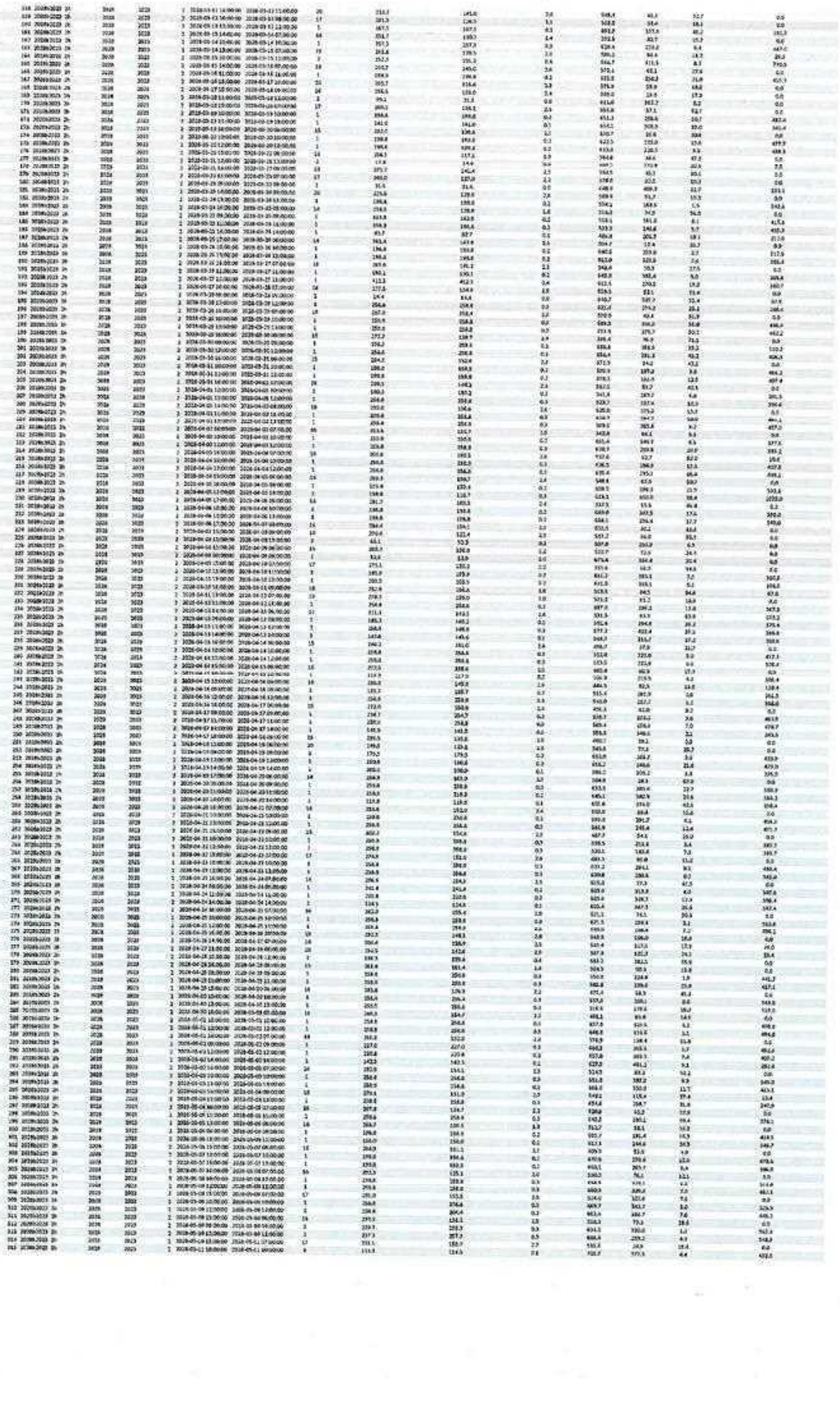
In line with Article 16(5), the expected energy associated with uncovered short-term flexibility needs was calculated as the uncovered capacity multiplied by the associated probability of occurrence of the event. Since the short-term flexibility needs in this assessment are based on the 0.1 and 99.9 % non-risk approach of Article 16(1), the associated tail probability was fallen to 0.1%, i.e. 0.001. As the analysis is performed at hourly granularity, the MTU duration is 1 hour.

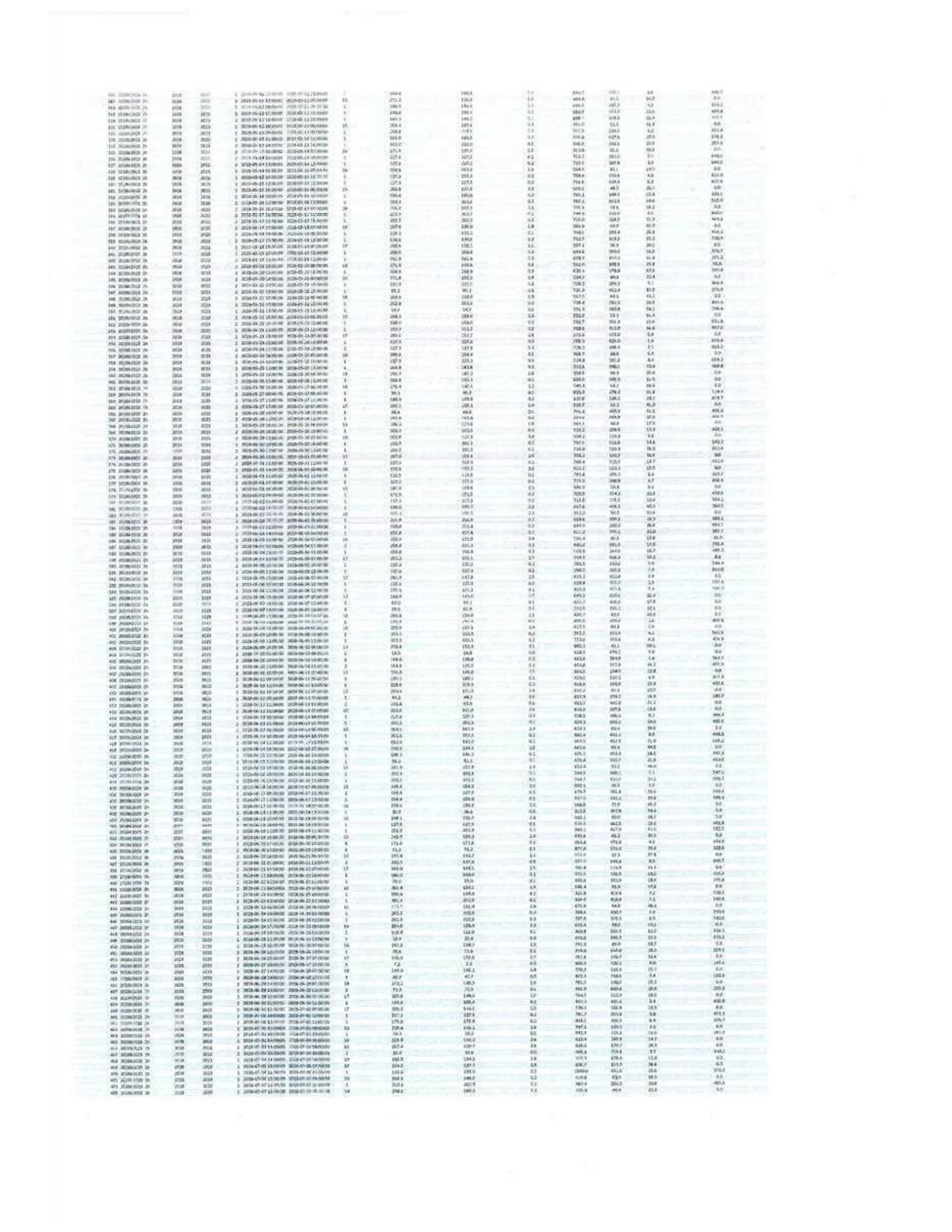
Expected Energy [MWh = Uncovered Need MW × 1h × 0.001]

The resulting expected energy values represent probability-weighted expected energy and not the raw hourly energy volume of the uncovered need.

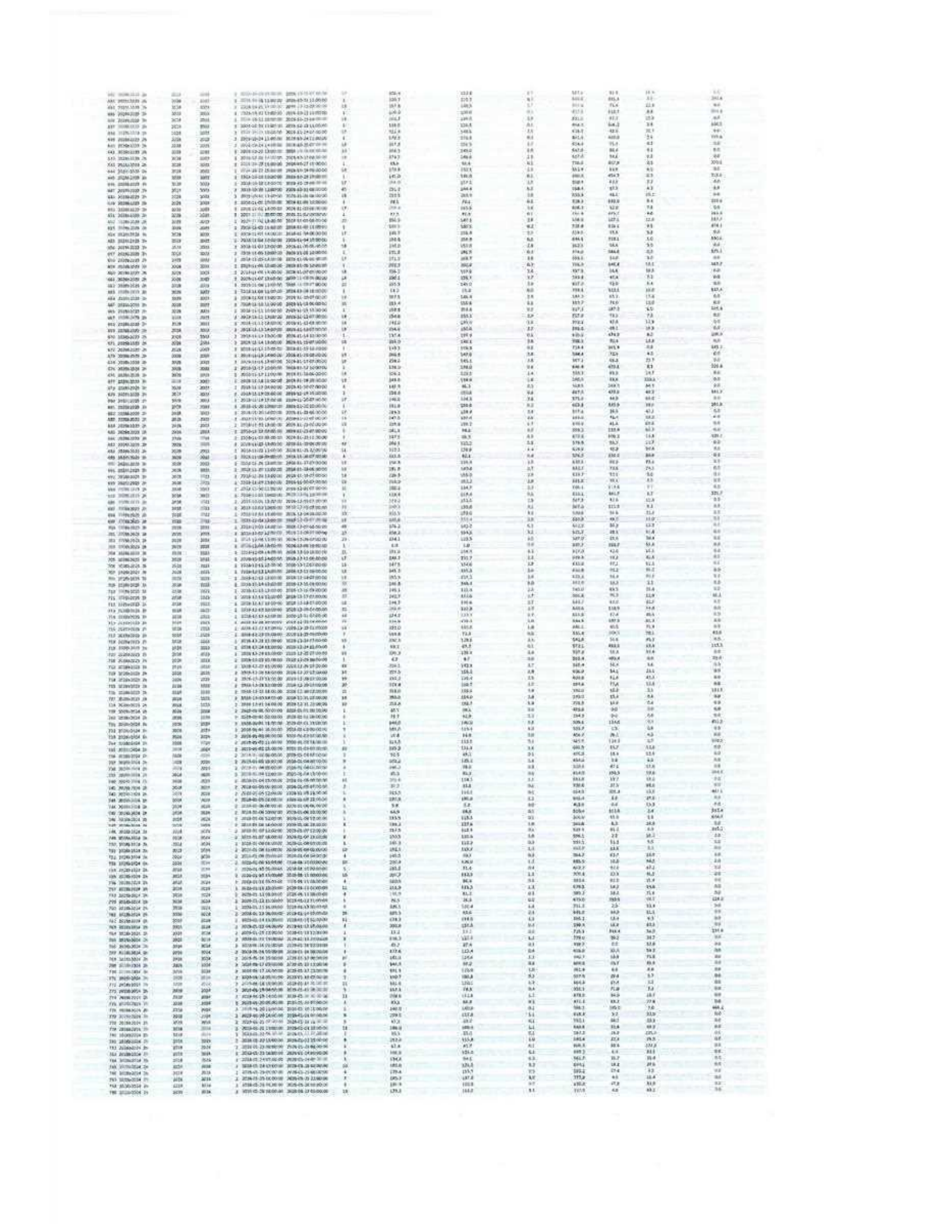
In accordance with Article 16(3), downward uncovered short-term flexibility needs are also relevant for the assessment of RES integration needs under Article 6, since insufficient downward flexibility may lead to additional RES curtailment. Therefore, the downward uncovered needs and their expected energy are retained as input for the subsequent RES integration needs assessment.







474	20189.0003	2h	2028	2029	3	2028-07-08 10:00:00	2028-07-08 10:00:00	1	203.9	203.9	0.0	879.9	884.0	4.1	914.1
475	20189.0018	2h	2027	2028	3	2028-09-05 13:00:00	2028-09-05 13:00:00	1	6.0	6.0	0.0	891.7	897.7	11.1	75.0
476	20216.0020	2h	2027	2028	3	2028-07-06 15:00:00	2028-07-06 15:00:00	1	13.4	13.4	0.0	894.0	907.3	13.6	0.0
477	20235.0010	2h	2028	2029	1	2028-09-06 17:00:00	2028-07-20 10:00:00	15	193.6	197.8	2.4	779.1	981.0	17.8	6.0
478	20239.0022	2h	2028	2029	1	2028-07-08 24:00:00	2028-07-10 06:00:00	17	258.1	271.7	3.3	824.6	917.7	14.1	6.0
479	20239.0027	2h	2028	2029	3	2028-07-03 14:00:00	2028-07-11 04:00:00	19	233.2	249.9	3.7	834.2	980.9	21.9	9.3
480	20239.0029	2h	2028	2029	2	2028-07-01 14:00:00	2028-07-12 09:00:00	18	287.0	320.7	3.4	848.8	1041.1	24.7	0.0
481	20239.0033	2h	2028	2029	3	2028-07-01 15:00:00	2028-07-17 08:00:00	21	275.3	328.7	2.7	917.8	1145.2	49.2	0.0
482	20239.0039	2h	2028	2029	3	2028-07-03 14:00:00	2028-07-14 07:00:00	20	183.7	244.0	2.6	958.9	1151.3	36.0	0.0
483	20239.0043	2h	2028	2029	2	2028-07-04 13:00:00	2028-07-17 07:00:00	17	239.5	279.9	2.6	966.2	1112.4	34.3	0.0
484	20239.0045	2h	2028	2029	2	2028-07-05 15:00:00	2028-07-16 06:00:00	16	217.3	286.4	2.4	965.1	1127.2	33.3	0.0
485	20239.0050	2h	2028	2029	2	2028-07-06 15:00:00	2028-07-17 07:00:00	17	251.0	282.4	2.9	960.5	1139.6	40.6	0.0
486	20239.0053	2h	2028	2029	1	2028-07-07 14:00:00	2028-07-18 07:00:00	18	234.7	244.8	2.6	1004.7	1110.7	38.9	0.0
487	20239.0055	2h	2028	2029	2	2028-07-08 15:00:00	2028-07-19 07:00:00	17	274.3	245.3	2.9	997.2	1127.1	25.8	0.0
488	20239.0057	2h	2028	2029	2	2028-07-09 15:00:00	2028-07-20 07:00:00	17	239.6	272.5	2.7	967.1	1108.0	19.1	0.0
489	20239.0059	2h	2028	2029	2	2028-07-10 15:00:00	2028-07-21 07:00:00	17	246.1	270.0	2.7	935.1	1105.8	28.4	0.0
490	20239.0062	2h	2028	2029	2	2028-07-11 15:00:00	2028-07-22 07:00:00	16	216.8	250.1	2.6	941.3	1091.1	34.7	0.0
491	20239.0064	2h	2028	2029	1	2028-07-12 15:00:00	2028-07-23 07:00:00	17	224.8	257.3	2.6	965.0	1114.8	30.1	0.0
492	20239.0066	2h	2028	2029	1	2028-07-13 14:00:00	2028-07-24 07:00:00	18	221.6	238.7	2.5	1000.1	1126.1	25.2	0.0
493	20239.0068	2h	2028	2029	2	2028-07-14 15:00:00	2028-07-25 07:00:00	17	226.6	245.2	2.5	1009.9	1137.3	26.7	0.0
494	20239.0070	2h	2028	2029	2	2028-07-15 14:00:00	2028-07-26 07:00:00	18	221.1	247.3	2.6	1005.6	1131.7	26.4	0.0
495	20239.0072	2h	2028	2029	1	2028-07-16 14:00:00	2028-07-27 08:00:00	18	223.4	234.7	2.6	1007.7	1135.1	15.7	0.0
496	20239.0074	2h	2028	2029	2	2028-07-17 14:00:00	2028-07-28 07:00:00	18	244.1	247.6	2.6	1006.9	1146.7	17.2	0.0
497	20239.0076	2h	2028	2029	2	2028-07-18 15:00:00	2028-07-29 06:00:00	18	247.0	251.0	2.6	995.0	993.7	14.2	0.0
498	20239.0078	2h	2028	2029	2	2028-07-19 14:00:00	2028-07-30 07:00:00	18	249.7	254.2	2.5	997.4	995.0	20.1	0.0
499	20239.0080	2h	2028	2029	2	2028-07-20 14:00:00	2028-07-31 07:00:00	18	250.9	248.2	2.6	982.7	1134.6	11.9	0.0
500	20239.0082	2h	2028	2029	2	2028-07-21 15:00:00	2028-08-01 08:00:00	18	238.9	252.1	2.7	974.5	1140.1	6.0	0.0
501	20239.0084	2h	2028	2029	2	2028-07-22 15:00:00	2028-08-02 08:00:00	18	236.6	245.2	2.5	994.9	1151.1	6.6	0.0
502	20239.0086	2h	2028	2029	2	2028-07-23 15:00:00	2028-08-03 08:00:00	18	238.7	249.8	2.5	998.5	995.3	18.6	0.0
503	20239.0088	2h	2028	2029	2	2028-07-24 15:00:00	2028-08-04 07:00:00	17	238.4	240.2	2.5	990.9	997.4	26.3	0.0
504	20239.0090	2h	2028	2029	2	2028-07-25 15:00:00	2028-08-05 08:00:00	19	280.3	280.9	2.9	944.6	92.2	28.2	0.0
505	20239.0092	2h	2028	2029	1	2028-07-26 15:00:00	2028-08-05 08:00:00	1	24.2	24.2	0.0	872.0	913.3	6.6	229.2
506	20239.0093	2h	2028	2029	1	2028-07-27 15:00:00	2028-08-05 13:00:00	1	142.9	142.9	0.1	915.3	953.2	10.9	1993.3
507	20239.0095	2h	2028	2029	2	2028-08-05 15:00:00	2028-08-06 07:00:00	16	228.2	229.8	2.6	917.0	77.8	45.0	0.0
508	20239.0097	2h	2028	2029	2	2028-08-06 15:00:00	2028-08-07 07:00:00	17	239.2	262.0	2.7	884.7	95.4	26.2	0.0
509	20239.0099	2h	2028	2029	2	2028-08-07 14:00:00	2028-08-08 07:00:00	16	248.3	248.6	2.7	901.3	72.4	11.4	0.0
510	20239.0101	2h	2028	2029	2	2028-08-08 15:00:00	2028-08-09 07:00:00	17	233.8	258.3	2.7	879.7	90.8	13.1	0.0
511	20239.0103	2h	2028	2029	2	2028-08-09 15:00:00	2028-08-10 08:00:00	18	263.1	266.4	2.8	897.2	108.1	7.9	0.0
512	20239.0105	2h	2028	2029	1	2028-08-10 15:00:00	2028-08-11 08:00:00	18	256.9	268.9	2.6	902.1	105.8	5.3	0.0
513	20239.0107	2h	2028	2029	2	2028-08-11 14:00:00	2028-08-12 07:00:00	17	228.7	245.1	2.6	894.3	94.5	6.0	247.8
514	20239.0109	2h	2028	2029	1	2028-08-12 15:00:00	2028-08-13 08:00:00	18	281.7	282.9	2.6	928.8	80.3	4.4	0.0
515	20239.0111	2h	2028	2029	1	2028-08-13 15:00:00	2028-08-13 15:00:00	1	2.1	2.1	0.0	938.3	952.8	0.0	0.0
516	20239.0113	2h	2028	2029	2	2028-08-13 14:00:00	2028-08-14 07:00:00	18	242.9	249.7	2.7	977.3	128.6	16.3	0.0
517	20239.0115	2h	2028	2029	2	2028-08-14 15:00:00	2028-08-15 08:00:00	18	243.3	248.9	2.7	984.5	134.7	3.0	0.0
518	20239.0117	2h	2028	2029	1	2028-08-15 14:00:00	2028-08-16 07:00:00	1	2.0	2.0	0.0	967.3	972.9	11.6	0.0
519	20239.0119	2h	2028	2029	2	2028-08-16 14:00:00	2028-08-17 08:00:00	19	284.5	284.6	2.7	976.2	96.2	19.1	0.0
520	20239.0121	2h	2028	2029	2	2028-08-17 14:00:00	2028-08-18 07:00:00	17	271.8	283.8	2.5	938.5	113.0	33.8	0.0
521	20239.0123	2h	2028	2029	2	2028-08-18 15:00:00	2028-08-19 07:00:00	17	274.3	288.8	2.6	923.3	98.0	6.0	0.0
522	20239.0125	2h	2028	2029	2	2028-08-19 15:00:00	2028-08-20 07:00:00	17	240.1	240.8	2.7	918.7	88.6	7.8	0.0
523	20239.0127	2h	2028	2029	2	2028-08-20 15:00:00	2028-08-21 07:00:00	17	274.6	280.3	2.8	873.2	85.5	4.8	0.0
524	20239.0129	2h	2028	2029	2	2028-08-21 15:00:00	2028-08-22 07:00:00	17	247.1	255.9	2.5	935.9	100.9	7.2	334.5
525	20239.0131	2h	2028	2029	2	2028-08-22 15:00:00	2028-08-23 08:00:00	18	269.8	284.8	2.7	917.7	110.4	12.2	0.0
526	20239.0133	2h	2028	2029	2	2028-08-23 14:00:00	2028-08-24 07:00:00	17	243.0	250.1	2.6	934.8	104.9	13.4	0.0
527	20239.0135	2h	2028	2029	2	2028-08-24 15:00:00	2028-08-25 08:00:00	18	249.2	256.2	2.8	943.9	104.2	13.6	0.0
528	20239.0137	2h	2028	2029	1	2028-08-25 14:00:00	2028-08-26 07:00:00	17	249.0	249.1	2.7	949.3	109.9	14.7	0.0
529	20239.0139	2h	2028	2029	2	2028-08-26 15:00:00	2028-08-27 08:00:00	18	249.7	249.8	2.8	963.5	105.6	12.9	0.0
530	20239.0141	2h	2028	2029	2	2028-08-27 14:00:00	2028-08-28 07:00:00	17	249.0	249.1	2.7	979.0	104.2	13.5	0.0
531	20239.0143	2h	2028	2029	2	2028-08-28 14:00:00	2028-08-29 07:00:00	17	249.2	249.3	2.8	984.6	109.7	25.1	0.0
532	20239.0145	2h	2028	2029	2	2028-08-29 15:00:00	2028-08-30 08:00:00	18	242.1	248.2	2.8	968.4	104.2	17.3	0.0
533	20239.0147	2h	2028	2029	2	2028-08-30 15:00:00	2028-08-31 08:00:00	18	249.0	249.3	2.8	966.0	103.7	15.6	0.0
534	20239.0149	2h	2028	2029	2	2028-08-31 14:00:00	2028-09-01 07:00:00	17	249.2	249.3	2.8	974.0	109.7	25.1	0.0
535	20239.0151	2h	2028	2029	2	2028-09-01 15:00:00	2028-09-02 08:00:00	18	249.0	249.1	2.8	982.1	105.6	12.9	0.0
536	20239.0153	2h	2028	2029	2	2028-09-02 14:00:00	2028-09-03 07:00:00	17	249.2	249.3	2.8	979.0	104.2	13.5	0.0
537	20239.0155	2h	2028	2029	2	2028-09-03 15:00:00	2028-09-04 08:00:00	18	249.0	249.1	2.8	984.6	109.7	25.1	0.0
538	20239.0157	2h	2028	2029	2	2028-09-04 15:00:00	2028-09-05 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
539	20239.0159	2h	2028	2029	2	2028-09-05 14:00:00	2028-09-06 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
540	20239.0161	2h	2028	2029	2	2028-09-06 15:00:00	2028-09-07 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
541	20239.0163	2h	2028	2029	2	2028-09-07 14:00:00	2028-09-08 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
542	20239.0165	2h	2028	2029	2	2028-09-08 15:00:00	2028-09-09 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
543	20239.0167	2h	2028	2029	2	2028-09-09 14:00:00	2028-09-10 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
544	20239.0169	2h	2028	2029	2	2028-09-10 15:00:00	2028-09-11 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
545	20239.0171	2h	2028	2029	2	2028-09-11 14:00:00	2028-09-12 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
546	20239.0173	2h	2028	2029	2	2028-09-12 15:00:00	2028-09-13 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
547	20239.0175	2h	2028	2029	2	2028-09-13 14:00:00	2028-09-14 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
548	20239.0177	2h	2028	2029	2	2028-09-14 15:00:00	2028-09-15 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
549	20239.0179	2h	2028	2029	2	2028-09-15 14:00:00	2028-09-16 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
550	20239.0181	2h	2028	2029	2	2028-09-16 15:00:00	2028-09-17 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
551	20239.0183	2h	2028	2029	2	2028-09-17 14:00:00	2028-09-18 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
552	20239.0185	2h	2028	2029	2	2028-09-18 15:00:00	2028-09-19 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
553	20239.0187	2h	2028	2029	2	2028-09-19 14:00:00	2028-09-20 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
554	20239.0189	2h	2028	2029	2	2028-09-20 15:00:00	2028-09-21 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
555	20239.0191	2h	2028	2029	2	2028-09-21 14:00:00	2028-09-22 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
556	20239.0193	2h	2028	2029	2	2028-09-22 15:00:00	2028-09-23 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
557	20239.0195	2h	2028	2029	2	2028-09-23 14:00:00	2028-09-24 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
558	20239.0197	2h	2028	2029	2	2028-09-24 15:00:00	2028-09-25 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
559	20239.0199	2h	2028	2029	2	2028-09-25 14:00:00	2028-09-26 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
560	20239.0201	2h	2028	2029	2	2028-09-26 15:00:00	2028-09-27 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
561	20239.0203	2h	2028	2029	2	2028-09-27 14:00:00	2028-09-28 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
562	20239.0205	2h	2028	2029	2	2028-09-28 15:00:00	2028-09-29 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
563	20239.0207	2h	2028	2029	2	2028-09-29 14:00:00	2028-09-30 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
564	20239.0209	2h	2028	2029	2	2028-09-30 15:00:00	2028-10-01 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
565	20239.0211	2h	2028	2029	2	2028-10-01 14:00:00	2028-10-02 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
566	20239.0213	2h	2028	2029	2	2028-10-02 15:00:00	2028-10-03 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
567	20239.0215	2h	2028	2029	2	2028-10-03 14:00:00	2028-10-04 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
568	20239.0217	2h	2028	2029	2	2028-10-04 15:00:00	2028-10-05 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
569	20239.0219	2h	2028	2029	2	2028-10-05 14:00:00	2028-10-06 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
570	20239.0221	2h	2028	2029	2	2028-10-06 15:00:00	2028-10-07 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
571	20239.0223	2h	2028	2029	2	2028-10-07 14:00:00	2028-10-08 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
572	20239.0225	2h	2028	2029	2	2028-10-08 15:00:00	2028-10-09 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
573	20239.0227	2h	2028	2029	2	2028-10-09 14:00:00	2028-10-10 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
574	20239.0229	2h	2028	2029	2	2028-10-10 15:00:00	2028-10-11 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
575	20239.0231	2h	2028	2029	2	2028-10-11 14:00:00	2028-10-12 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
576	20239.0233	2h	2028	2029	2	2028-10-12 15:00:00	2028-10-13 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
577	20239.0235	2h	2028	2029	2	2028-10-13 14:00:00	2028-10-14 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
578	20239.0237	2h	2028	2029	2	2028-10-14 15:00:00	2028-10-15 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
579	20239.0239	2h	2028	2029	2	2028-10-15 14:00:00	2028-10-16 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
580	20239.0241	2h	2028	2029	2	2028-10-16 15:00:00	2028-10-17 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
581	20239.0243	2h	2028	2029	2	2028-10-17 14:00:00	2028-10-18 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
582	20239.0245	2h	2028	2029	2	2028-10-18 15:00:00	2028-10-19 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
583	20239.0247	2h	2028	2029	2	2028-10-19 14:00:00	2028-10-20 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
584	20239.0249	2h	2028	2029	2	2028-10-20 15:00:00	2028-10-21 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
585	20239.0251	2h	2028	2029	2	2028-10-21 14:00:00	2028-10-22 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
586	20239.0253	2h	2028	2029	2	2028-10-22 15:00:00	2028-10-23 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
587	20239.0255	2h	2028	2029	2	2028-10-23 14:00:00	2028-10-24 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
588	20239.0257	2h	2028	2029	2	2028-10-24 15:00:00	2028-10-25 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
589	20239.0259	2h	2028	2029	2	2028-10-25 14:00:00	2028-10-26 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
590	20239.0261	2h	2028	2029	2	2028-10-26 15:00:00	2028-10-27 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
591	20239.0263	2h	2028	2029	2	2028-10-27 14:00:00	2028-10-28 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
592	20239.0265	2h	2028	2029	2	2028-10-28 15:00:00	2028-10-29 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
593	20239.0267	2h	2028	2029	2	2028-10-29 14:00:00	2028-10-30 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
594	20239.0269	2h	2028	2029	2	2028-10-30 15:00:00	2028-10-31 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
595	20239.0271	2h	2028	2029	2	2028-10-31 14:00:00	2028-11-01 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
596	20239.0273	2h	2028	2029	2	2028-11-01 15:00:00	2028-11-02 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
597	20239.0275	2h	2028	2029	2	2028-11-02 14:00:00	2028-11-03 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
598	20239.0277	2h	2028	2029	2	2028-11-03 15:00:00	2028-11-04 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
599	20239.0279	2h	2028	2029	2	2028-11-04 14:00:00	2028-11-05 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
600	20239.0281	2h	2028	2029	2	2028-11-05 15:00:00	2028-11-06 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
601	20239.0283	2h	2028	2029	2	2028-11-06 14:00:00	2028-11-07 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
602	20239.0285	2h	2028	2029	2	2028-11-07 15:00:00	2028-11-08 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
603	20239.0287	2h	2028	2029	2	2028-11-08 14:00:00	2028-11-09 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
604	20239.0289	2h	2028	2029	2	2028-11-09 15:00:00	2028-11-10 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
605	20239.0291	2h	2028	2029	2	2028-11-10 14:00:00	2028-11-11 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
606	20239.0293	2h	2028	2029	2	2028-11-11 15:00:00	2028-11-12 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
607	20239.0295	2h	2028	2029	2	2028-11-12 14:00:00	2028-11-13 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
608	20239.0297	2h	2028	2029	2	2028-11-13 15:00:00	2028-11-14 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
609	20239.0299	2h	2028	2029	2	2028-11-14 14:00:00	2028-11-15 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
610	20239.0301	2h	2028	2029	2	2028-11-15 15:00:00	2028-11-16 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
611	20239.0303	2h	2028	2029	2	2028-11-16 14:00:00	2028-11-17 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
612	20239.0305	2h	2028	2029	2	2028-11-17 15:00:00	2028-11-18 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
613	20239.0307	2h	2028	2029	2	2028-11-18 14:00:00	2028-11-19 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
614	20239.0309	2h	2028	2029	2	2028-11-19 15:00:00	2028-11-20 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
615	20239.0311	2h	2028	2029	2	2028-11-20 14:00:00	2028-11-21 07:00:00	17	249.0	249.1	2.8	984.6	109.7	25.1	0.0
616	20239.0313	2h	2028	2029	2	2028-11-21 15:00:00	2028-11-22 08:00:00	18	249.2	249.3	2.8	968.4	104.2	17.3	0.0
617	20239.0315	2h	2028	2029	2	2028-11-22 14:00:00	2028-11-23 07:00:00	17	249.0	249.1	2.8	966.0	103.7	15.6	0.0
618	20239.0317	2h	2028	2029	2	2028-11-23 15:00:00	2028-11-24 08:00:00	18	249.2	249.3	2.8	974.0	109.7	25.1	0.0
619	20239.0319	2h	2028	2029	2	2028-11-24 14:00:00	2028-11-25 07:00:00	17	249.0	249.1	2.8	982.1	105.6	12.9	0.0
620	20239.0321	2h	2028	2029	2	2028-11-25 15:00:00	2028-11-26 08:00:00	18	249.2	249.3	2.8	979.0	104.2	13.5	0.0
621	20239.0323	2h	2028	2029



790	2023/2024 2h	2024	2024	1	2024-01-27 [illegible]	2024-01-27 [illegible]	2	17.5	14.9	0.0	548.8	25.7	65.5	0.0
[illegible]	[illegible]	2024	2024	1	2024-01-27 [illegible]	2024-01-27 [illegible]	2	107.8	[illegible]	0.2	[illegible]	[illegible]	18.7	[illegible]
[illegible]	[illegible]	2024	2024	[illegible]	2024-01-27 [illegible]	[illegible]	16	[illegible]	[illegible]	1.5	[illegible]	[illegible]	[illegible]	0.0
[illegible]	[illegible]	2024	2024	[illegible]	[illegible]	[illegible]	8	4.4	4.4	0.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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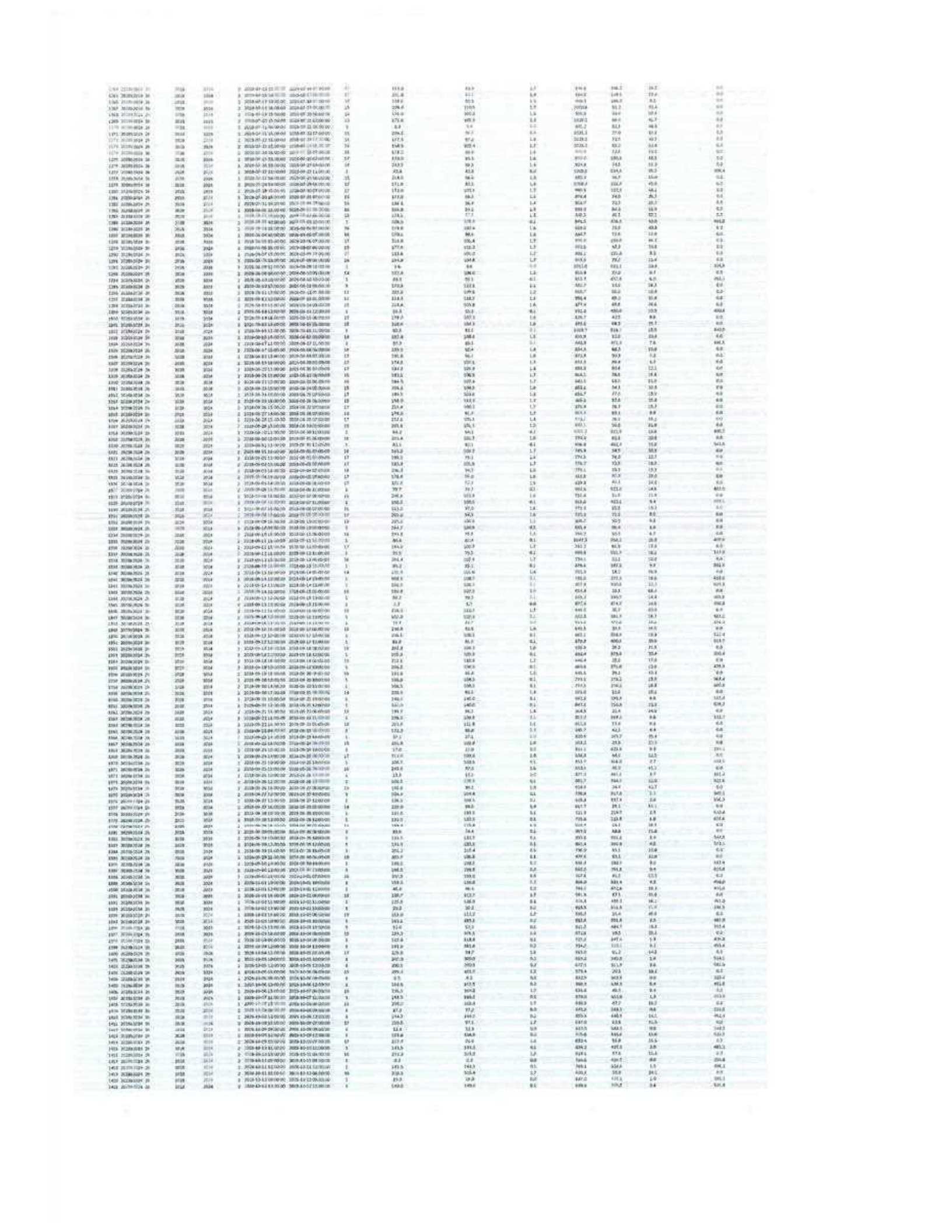
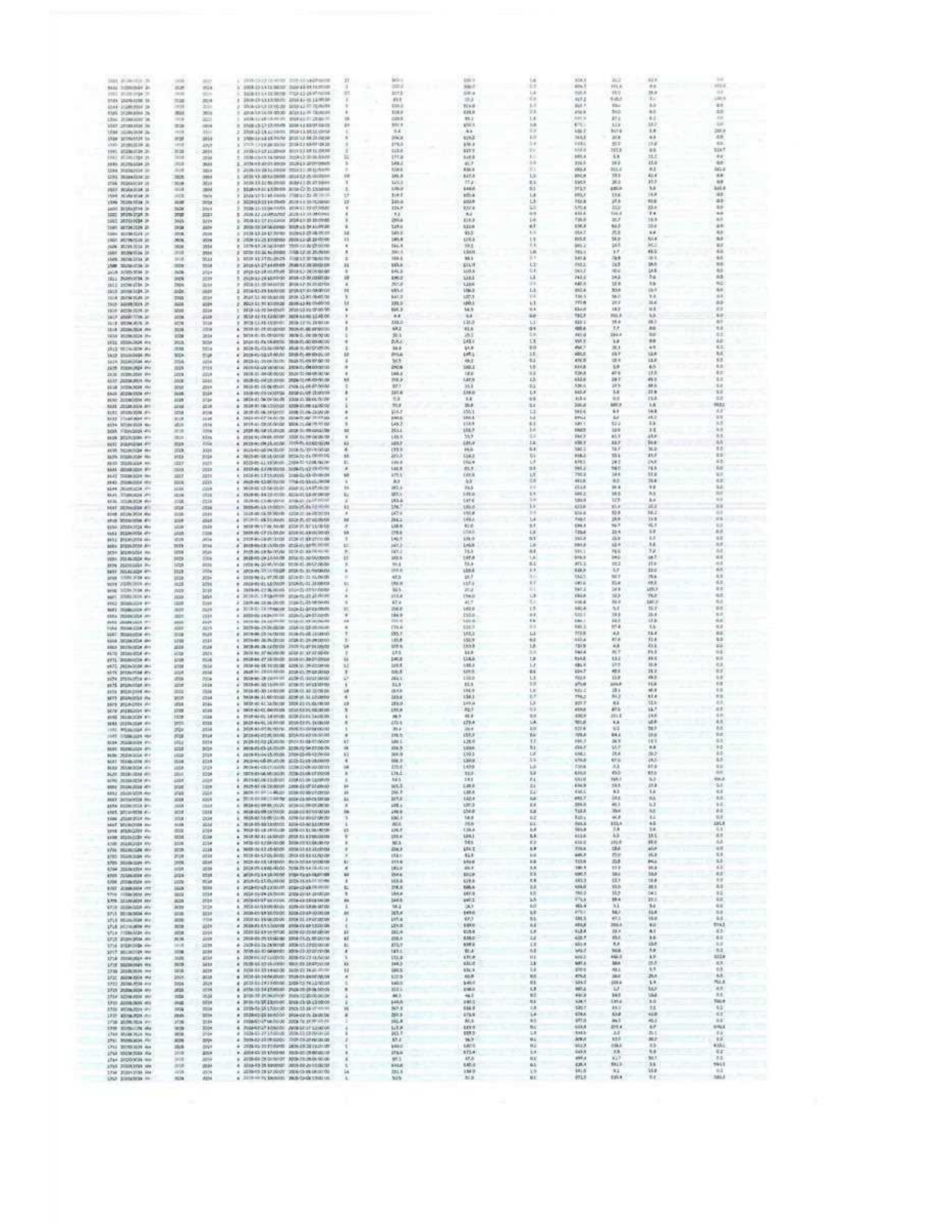
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
947	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

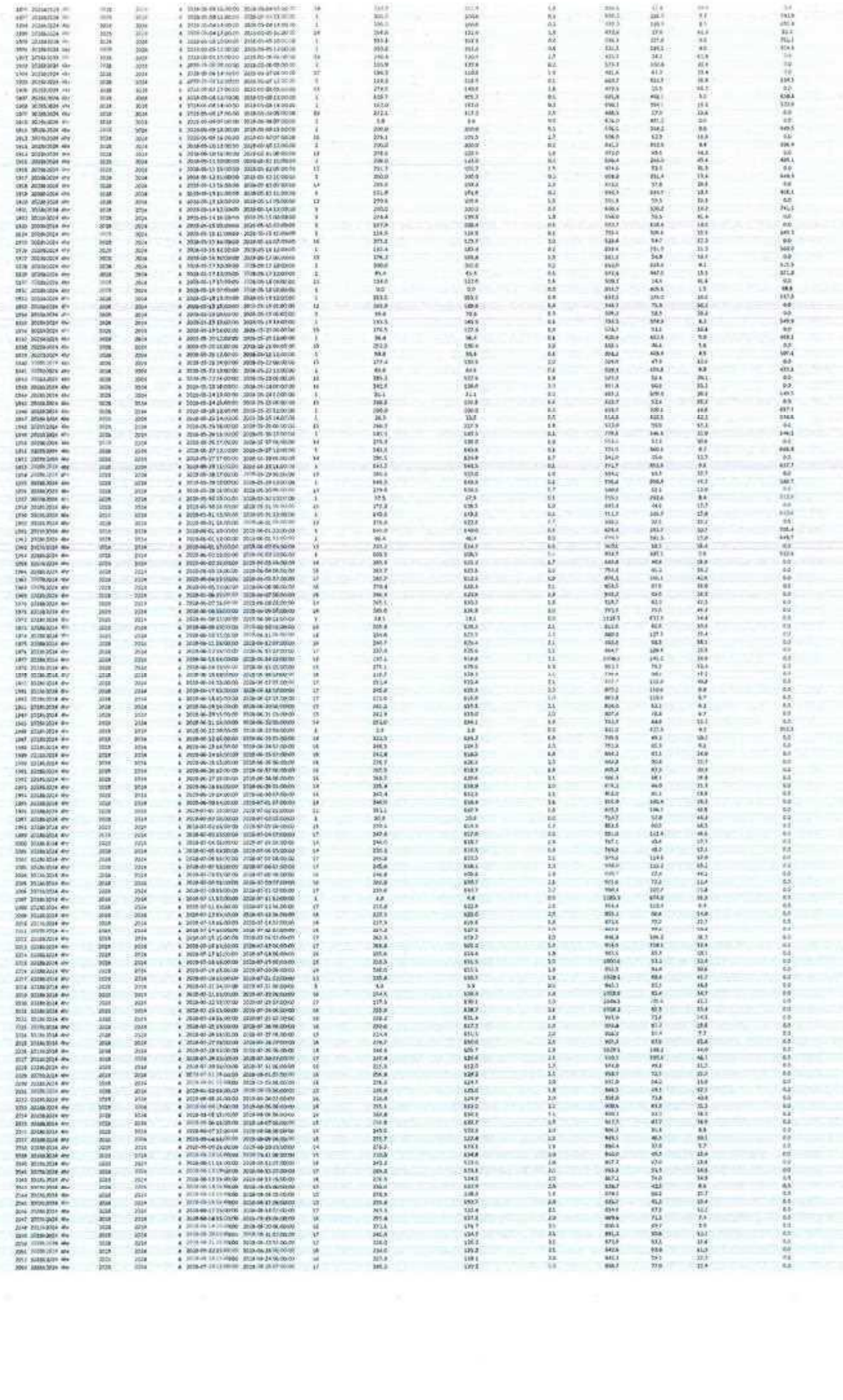
1324	20280324	2h	3604	3604	1	2028-03-24 12:00:00	2028-03-24 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1327	20280324	2h	3604	3604	2	2028-03-24 14:00:00	2028-03-24 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1328	20280324	2h	3604	3604	2	2028-03-24 17:00:00	2028-03-24 20:00:00	7	569.1	584.1	0.0	558.2	542.7	57.8	0.0
1329	20280324	2h	3604	3604	2	2028-03-24 21:00:00	2028-03-25 00:00:00	7	569.1	581.7	0.0	558.2	542.7	45.7	0.0
1330	20280324	2h	3604	3604	2	2028-03-25 00:00:00	2028-03-25 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1331	20280324	2h	3604	3604	2	2028-03-25 03:00:00	2028-03-25 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1332	20280324	2h	3604	3604	2	2028-03-25 06:00:00	2028-03-25 06:00:00	2	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1333	20280324	2h	3604	3604	2	2028-03-25 09:00:00	2028-03-25 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1334	20280324	2h	3604	3604	2	2028-03-25 12:00:00	2028-03-25 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1335	20280324	2h	3604	3604	2	2028-03-25 14:00:00	2028-03-25 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1336	20280324	2h	3604	3604	2	2028-03-25 17:00:00	2028-03-25 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1337	20280324	2h	3604	3604	2	2028-03-25 20:00:00	2028-03-25 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1338	20280324	2h	3604	3604	2	2028-03-25 21:00:00	2028-03-26 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1339	20280324	2h	3604	3604	2	2028-03-26 00:00:00	2028-03-26 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1340	20280324	2h	3604	3604	2	2028-03-26 03:00:00	2028-03-26 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1341	20280324	2h	3604	3604	2	2028-03-26 06:00:00	2028-03-26 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1342	20280324	2h	3604	3604	2	2028-03-26 09:00:00	2028-03-26 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1343	20280324	2h	3604	3604	2	2028-03-26 12:00:00	2028-03-26 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1344	20280324	2h	3604	3604	2	2028-03-26 14:00:00	2028-03-26 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1345	20280324	2h	3604	3604	2	2028-03-26 17:00:00	2028-03-26 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1346	20280324	2h	3604	3604	2	2028-03-26 20:00:00	2028-03-26 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1347	20280324	2h	3604	3604	2	2028-03-26 21:00:00	2028-03-27 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1348	20280324	2h	3604	3604	2	2028-03-27 00:00:00	2028-03-27 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1349	20280324	2h	3604	3604	2	2028-03-27 03:00:00	2028-03-27 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1350	20280324	2h	3604	3604	2	2028-03-27 06:00:00	2028-03-27 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1351	20280324	2h	3604	3604	2	2028-03-27 09:00:00	2028-03-27 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1352	20280324	2h	3604	3604	2	2028-03-27 12:00:00	2028-03-27 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1353	20280324	2h	3604	3604	2	2028-03-27 14:00:00	2028-03-27 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1354	20280324	2h	3604	3604	2	2028-03-27 17:00:00	2028-03-27 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1355	20280324	2h	3604	3604	2	2028-03-27 20:00:00	2028-03-27 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1356	20280324	2h	3604	3604	2	2028-03-27 21:00:00	2028-03-28 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1357	20280324	2h	3604	3604	2	2028-03-28 00:00:00	2028-03-28 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1358	20280324	2h	3604	3604	2	2028-03-28 03:00:00	2028-03-28 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1359	20280324	2h	3604	3604	2	2028-03-28 06:00:00	2028-03-28 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1360	20280324	2h	3604	3604	2	2028-03-28 09:00:00	2028-03-28 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1361	20280324	2h	3604	3604	2	2028-03-28 12:00:00	2028-03-28 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1362	20280324	2h	3604	3604	2	2028-03-28 14:00:00	2028-03-28 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1363	20280324	2h	3604	3604	2	2028-03-28 17:00:00	2028-03-28 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1364	20280324	2h	3604	3604	2	2028-03-28 20:00:00	2028-03-28 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1365	20280324	2h	3604	3604	2	2028-03-28 21:00:00	2028-03-29 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1366	20280324	2h	3604	3604	2	2028-03-29 00:00:00	2028-03-29 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1367	20280324	2h	3604	3604	2	2028-03-29 03:00:00	2028-03-29 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1368	20280324	2h	3604	3604	2	2028-03-29 06:00:00	2028-03-29 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1369	20280324	2h	3604	3604	2	2028-03-29 09:00:00	2028-03-29 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1370	20280324	2h	3604	3604	2	2028-03-29 12:00:00	2028-03-29 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1371	20280324	2h	3604	3604	2	2028-03-29 14:00:00	2028-03-29 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1372	20280324	2h	3604	3604	2	2028-03-29 17:00:00	2028-03-29 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1373	20280324	2h	3604	3604	2	2028-03-29 20:00:00	2028-03-29 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1374	20280324	2h	3604	3604	2	2028-03-29 21:00:00	2028-03-30 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1375	20280324	2h	3604	3604	2	2028-03-30 00:00:00	2028-03-30 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1376	20280324	2h	3604	3604	2	2028-03-30 03:00:00	2028-03-30 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1377	20280324	2h	3604	3604	2	2028-03-30 06:00:00	2028-03-30 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1378	20280324	2h	3604	3604	2	2028-03-30 09:00:00	2028-03-30 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1379	20280324	2h	3604	3604	2	2028-03-30 12:00:00	2028-03-30 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1380	20280324	2h	3604	3604	2	2028-03-30 14:00:00	2028-03-30 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1381	20280324	2h	3604	3604	2	2028-03-30 17:00:00	2028-03-30 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1382	20280324	2h	3604	3604	2	2028-03-30 20:00:00	2028-03-30 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1383	20280324	2h	3604	3604	2	2028-03-30 21:00:00	2028-03-31 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1384	20280324	2h	3604	3604	2	2028-03-31 00:00:00	2028-03-31 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1385	20280324	2h	3604	3604	2	2028-03-31 03:00:00	2028-03-31 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1386	20280324	2h	3604	3604	2	2028-03-31 06:00:00	2028-03-31 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1387	20280324	2h	3604	3604	2	2028-03-31 09:00:00	2028-03-31 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1388	20280324	2h	3604	3604	2	2028-03-31 12:00:00	2028-03-31 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1389	20280324	2h	3604	3604	2	2028-03-31 14:00:00	2028-03-31 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1390	20280324	2h	3604	3604	2	2028-03-31 17:00:00	2028-03-31 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1391	20280324	2h	3604	3604	2	2028-03-31 20:00:00	2028-03-31 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1392	20280324	2h	3604	3604	2	2028-03-31 21:00:00	2028-04-01 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1393	20280324	2h	3604	3604	2	2028-04-01 00:00:00	2028-04-01 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1394	20280324	2h	3604	3604	2	2028-04-01 03:00:00	2028-04-01 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1395	20280324	2h	3604	3604	2	2028-04-01 06:00:00	2028-04-01 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1396	20280324	2h	3604	3604	2	2028-04-01 09:00:00	2028-04-01 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1397	20280324	2h	3604	3604	2	2028-04-01 12:00:00	2028-04-01 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1398	20280324	2h	3604	3604	2	2028-04-01 14:00:00	2028-04-01 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1399	20280324	2h	3604	3604	2	2028-04-01 17:00:00	2028-04-01 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1400	20280324	2h	3604	3604	2	2028-04-01 20:00:00	2028-04-01 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1401	20280324	2h	3604	3604	2	2028-04-01 21:00:00	2028-04-02 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1402	20280324	2h	3604	3604	2	2028-04-02 00:00:00	2028-04-02 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1403	20280324	2h	3604	3604	2	2028-04-02 03:00:00	2028-04-02 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1404	20280324	2h	3604	3604	2	2028-04-02 06:00:00	2028-04-02 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1405	20280324	2h	3604	3604	2	2028-04-02 09:00:00	2028-04-02 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1406	20280324	2h	3604	3604	2	2028-04-02 12:00:00	2028-04-02 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1407	20280324	2h	3604	3604	2	2028-04-02 14:00:00	2028-04-02 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1408	20280324	2h	3604	3604	2	2028-04-02 17:00:00	2028-04-02 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1409	20280324	2h	3604	3604	2	2028-04-02 20:00:00	2028-04-02 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1410	20280324	2h	3604	3604	2	2028-04-02 21:00:00	2028-04-03 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1411	20280324	2h	3604	3604	2	2028-04-03 00:00:00	2028-04-03 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1412	20280324	2h	3604	3604	2	2028-04-03 03:00:00	2028-04-03 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1413	20280324	2h	3604	3604	2	2028-04-03 06:00:00	2028-04-03 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1414	20280324	2h	3604	3604	2	2028-04-03 09:00:00	2028-04-03 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1415	20280324	2h	3604	3604	2	2028-04-03 12:00:00	2028-04-03 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1416	20280324	2h	3604	3604	2	2028-04-03 14:00:00	2028-04-03 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1417	20280324	2h	3604	3604	2	2028-04-03 17:00:00	2028-04-03 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1418	20280324	2h	3604	3604	2	2028-04-03 20:00:00	2028-04-03 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1419	20280324	2h	3604	3604	2	2028-04-03 21:00:00	2028-04-04 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1420	20280324	2h	3604	3604	2	2028-04-04 00:00:00	2028-04-04 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1421	20280324	2h	3604	3604	2	2028-04-04 03:00:00	2028-04-04 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1422	20280324	2h	3604	3604	2	2028-04-04 06:00:00	2028-04-04 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1423	20280324	2h	3604	3604	2	2028-04-04 09:00:00	2028-04-04 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1424	20280324	2h	3604	3604	2	2028-04-04 12:00:00	2028-04-04 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1425	20280324	2h	3604	3604	2	2028-04-04 14:00:00	2028-04-04 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1426	20280324	2h	3604	3604	2	2028-04-04 17:00:00	2028-04-04 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1427	20280324	2h	3604	3604	2	2028-04-04 20:00:00	2028-04-04 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1428	20280324	2h	3604	3604	2	2028-04-04 21:00:00	2028-04-05 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1429	20280324	2h	3604	3604	2	2028-04-05 00:00:00	2028-04-05 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1430	20280324	2h	3604	3604	2	2028-04-05 03:00:00	2028-04-05 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1431	20280324	2h	3604	3604	2	2028-04-05 06:00:00	2028-04-05 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1432	20280324	2h	3604	3604	2	2028-04-05 09:00:00	2028-04-05 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1433	20280324	2h	3604	3604	2	2028-04-05 12:00:00	2028-04-05 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1434	20280324	2h	3604	3604	2	2028-04-05 14:00:00	2028-04-05 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1435	20280324	2h	3604	3604	2	2028-04-05 17:00:00	2028-04-05 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1436	20280324	2h	3604	3604	2	2028-04-05 20:00:00	2028-04-05 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1437	20280324	2h	3604	3604	2	2028-04-05 21:00:00	2028-04-06 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1438	20280324	2h	3604	3604	2	2028-04-06 00:00:00	2028-04-06 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1439	20280324	2h	3604	3604	2	2028-04-06 03:00:00	2028-04-06 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1440	20280324	2h	3604	3604	2	2028-04-06 06:00:00	2028-04-06 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1441	20280324	2h	3604	3604	2	2028-04-06 09:00:00	2028-04-06 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1442	20280324	2h	3604	3604	2	2028-04-06 12:00:00	2028-04-06 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1443	20280324	2h	3604	3604	2	2028-04-06 14:00:00	2028-04-06 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1444	20280324	2h	3604	3604	2	2028-04-06 17:00:00	2028-04-06 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1445	20280324	2h	3604	3604	2	2028-04-06 20:00:00	2028-04-06 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1446	20280324	2h	3604	3604	2	2028-04-06 21:00:00	2028-04-07 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1447	20280324	2h	3604	3604	2	2028-04-07 00:00:00	2028-04-07 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1448	20280324	2h	3604	3604	2	2028-04-07 03:00:00	2028-04-07 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1449	20280324	2h	3604	3604	2	2028-04-07 06:00:00	2028-04-07 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1450	20280324	2h	3604	3604	2	2028-04-07 09:00:00	2028-04-07 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1451	20280324	2h	3604	3604	2	2028-04-07 12:00:00	2028-04-07 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1452	20280324	2h	3604	3604	2	2028-04-07 14:00:00	2028-04-07 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1453	20280324	2h	3604	3604	2	2028-04-07 17:00:00	2028-04-07 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1454	20280324	2h	3604	3604	2	2028-04-07 20:00:00	2028-04-07 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1455	20280324	2h	3604	3604	2	2028-04-07 21:00:00	2028-04-08 00:00:00	7	569.1	584.1	0.0	558.2	542.7	41.4	0.0
1456	20280324	2h	3604	3604	2	2028-04-08 00:00:00	2028-04-08 00:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1457	20280324	2h	3604	3604	2	2028-04-08 03:00:00	2028-04-08 03:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1458	20280324	2h	3604	3604	2	2028-04-08 06:00:00	2028-04-08 06:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1459	20280324	2h	3604	3604	2	2028-04-08 09:00:00	2028-04-08 09:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1460	20280324	2h	3604	3604	2	2028-04-08 12:00:00	2028-04-08 12:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1461	20280324	2h	3604	3604	2	2028-04-08 14:00:00	2028-04-08 14:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1462	20280324	2h	3604	3604	2	2028-04-08 17:00:00	2028-04-08 17:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8
1463	20280324	2h	3604	3604	2	2028-04-08 20:00:00	2028-04-08 20:00:00	1	300.0	300.0	0.0	294.2	294.2	0.0	705.8

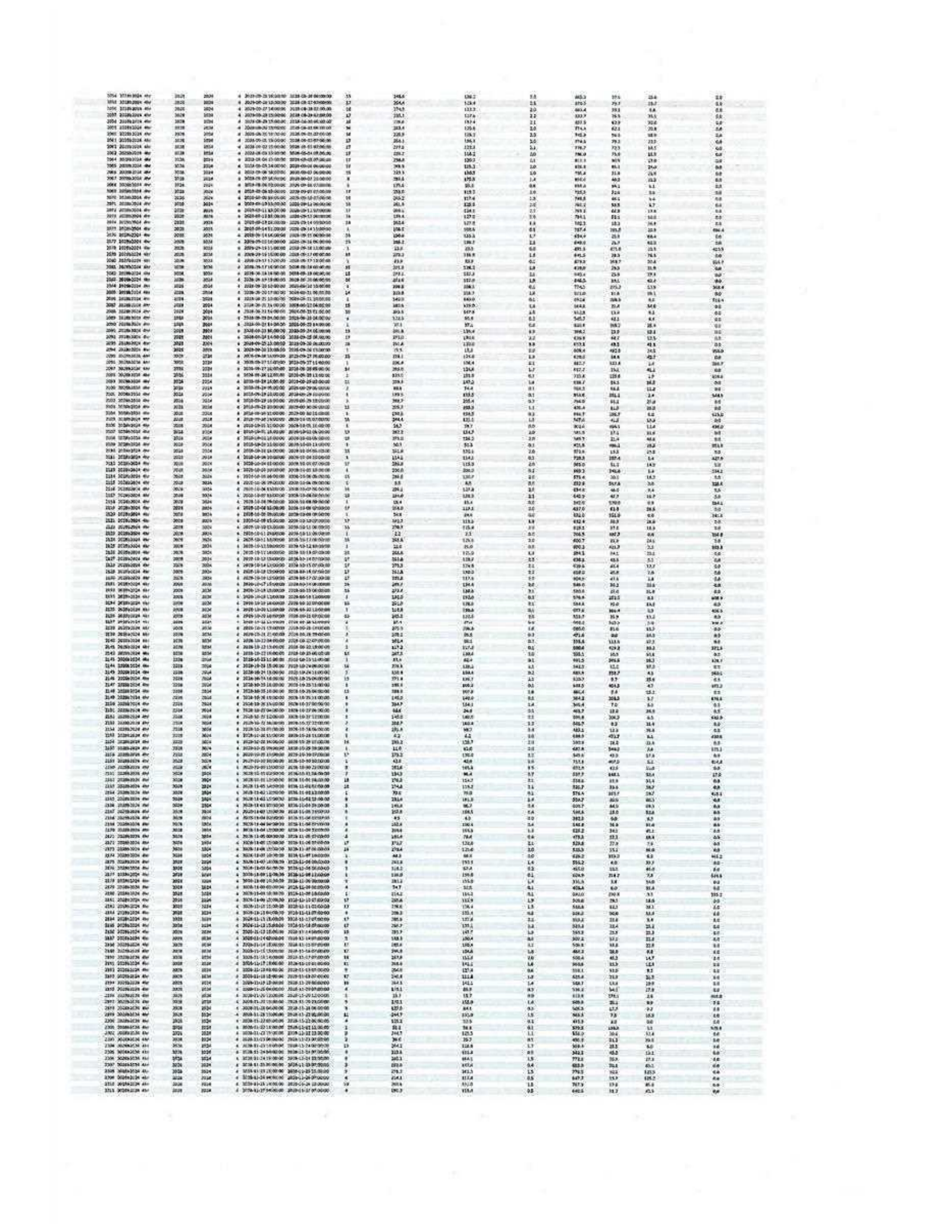


1401	3008h3024	2h	3018	3024	2	2018-10-13 16:30:00	2018-10-13 17:00:00	19	228.6	1917	1.6	144.1	94.1	28.1	0.0
1402	3028h3024	2h	3028	3024	2	2018-10-13 17:00:00	2018-10-13 18:00:00	1	22.0	253	0.0	854.8	888.8	9.8	358.2
1403	3018h3024	2h	3018	3024	3	2018-10-13 17:00:00	2018-10-14 17:00:00	17	139.2	1784	1.5	434.1	98.2	9.2	0.0
1404	3028h3024	2h	3028	3024	3	2018-10-14 12:00:00	2018-10-14 12:00:00	1	11.0	11.0	0.0	941.2	946.2	11.9	382.5
1405	3018h3024	2h	3018	3024	2	2018-10-14 15:00:00	2018-10-15 16:30:00	19	203.8	1084	1.7	922.7	91.4	13.5	0.0
1406	3018h3024	2h	3018	3024	2	2018-10-15 13:00:00	2018-10-15 13:00:00	1	9.1	9.1	0.0	944.8	894.8	11.3	370.4
1407	3018h3024	2h	3018	3024	1	2018-10-21 13:00:00	2018-10-24 06:00:00	14	233.2	1112	1.9	919.3	89.9	9.1	0.0
1408	3028h3024	2h	3028	3024	3	2018-10-08 17:00:00	2018-10-17 06:00:00	14	240.3	1044	1.7	382.3	38.9	9.0	0.0
1409	3018h3024	2h	3018	3024	2	2018-10-17 13:00:00	2018-10-17 13:00:00	1	14.5	14.5	0.5	737.2	324.6	2.4	462.2
1410	3028h3024	2h	3028	3024	2	2018-10-17 15:00:00	2018-10-18 08:00:00	16	214.7	1001	1.5	948.2	80.2	10.0	0.0
1411	3018h3024	2h	3018	3024	2	2018-10-24 12:00:00	2018-10-24 12:00:00	1	5.8	5.8	0.0	387.1	390.7	0.0	0.0
1412	3028h3024	2h	3028	3024	2	2018-10-24 15:00:00	2018-10-25 18:00:00	1	170.5	170.5	0.2	385.7	344.7	9.5	458.9
1413	3028h3024	2h	3028	3024	2	2018-10-25 14:30:00	2018-10-26 14:00:00	17	213.4	1012	1.7	342.8	48.9	11.1	0.0
1414	3028h3024	2h	3028	3024	2	2018-10-26 15:00:00	2018-10-29 13:00:00	3	200.0	1000	1.2	389.4	337.2	8.2	346.2
1415	3028h3024	2h	3028	3024	2	2018-10-29 13:00:00	2018-10-29 13:00:00	1	12.0	12.0	0.2	376.4	354.4	8.8	338.2
1416	3018h3024	2h	3018	3024	3	2018-10-08 15:00:00	2018-10-29 20:00:00	17	199.7	1198	1.9	334.9	94.4	14.8	0.0
1417	3028h3024	2h	3028	3024	3	2018-10-29 16:00:00	2018-10-30 12:00:00	1	184.2	1842	0.2	698.7	306.2	4.2	503.4
1418	3028h3024	2h	3028	3024	3	2018-10-30 10:00:00	2018-10-30 10:00:00	1	128.5	128.5	0.1	691.1	387.0	4.5	403.0
1419	3028h3024	2h	3028	3024	3	2018-10-30 16:30:00	2018-10-31 07:00:00	14	229.8	1611.4	1.8	382.7	38.6	13.3	0.0
1420	3028h3024	2h	3028	3024	2	2018-10-31 16:30:00	2018-10-31 16:30:00	1	260.1	260.1	0.2	676.8	342.8	4.2	406.1
1421	3028h3024	2h	3028	3024	2	2018-11-01 13:00:00	2018-11-01 13:00:00	1	11.1	11.1	0.0	676.1	674.8	9.1	333.9
1422	3028h3024	2h	3028	3024	2	2018-11-01 16:30:00	2018-11-01 19:00:00	4	193.0	1413.0	0.0	440.1	39.1	13.5	0.0
1423	3028h3024	2h	3028	3024	2	2018-11-02 15:30:00	2018-11-02 23:00:00	3	193.1	551.0	0.1	477.4	0.0	14.1	0.0
1424	3028h3024	2h	3028	3024	3	2018-11-03 04:00:00	2018-11-04 09:00:00	4	247.4	594.1	0.2	537.3	114.8	17.1	0.0
1425	3028h3024	2h	3028	3024	3	2018-11-04 13:00:00	2018-11-05 18:00:00	1	118.1	118.2	0.1	679.2	478.4	5.8	427.1
1426	3028h3024	2h	3028	3024	3	2018-11-05 22:30:00	2018-11-06 12:00:00	1	109.0	109.0	0.2	683.8	334.8	5.8	335.7
1427	3028h3024	2h	3028	3024	3	2018-11-06 17:30:00	2018-11-07 06:00:00	13	207.2	1322.4	1.5	592.1	193.3	15.5	0.0
1428	3028h3024	2h	3028	3024	3	2018-11-07 13:00:00	2018-11-08 06:00:00	1	58.4	58.4	0.1	762.2	378.2	13.6	398.4
1429	3028h3024	2h	3028	3024	3	2018-11-08 17:00:00	2018-11-09 13:00:00	1	258.2	258.2	2.1	677.4	277.3	9.1	415.4
1430	3028h3024	2h	3028	3024	2	2018-11-09 15:00:00	2018-11-10 06:00:00	14	228.6	1598.5	1.7	643.5	112.7	17.0	0.0
1431	3028h3024	2h	3028	3024	3	2018-11-10 13:00:00	2018-11-10 13:00:00	1	168.9	168.9	0.2	681.7	380.2	4.2	380.7
1432	3028h3024	2h	3028	3024	3	2018-11-10 17:30:00	2018-11-11 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1433	3028h3024	2h	3028	3024	2	2018-11-11 13:00:00	2018-11-11 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1434	3028h3024	2h	3028	3024	3	2018-11-11 15:30:00	2018-11-12 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1435	3028h3024	2h	3028	3024	2	2018-11-12 13:00:00	2018-11-12 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1436	3028h3024	2h	3028	3024	3	2018-11-12 15:30:00	2018-11-13 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1437	3028h3024	2h	3028	3024	2	2018-11-13 13:00:00	2018-11-13 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1438	3028h3024	2h	3028	3024	3	2018-11-13 15:30:00	2018-11-14 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1439	3028h3024	2h	3028	3024	2	2018-11-14 13:00:00	2018-11-14 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1440	3028h3024	2h	3028	3024	3	2018-11-14 15:30:00	2018-11-15 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1441	3028h3024	2h	3028	3024	2	2018-11-15 13:00:00	2018-11-15 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1442	3028h3024	2h	3028	3024	3	2018-11-15 15:30:00	2018-11-16 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1443	3028h3024	2h	3028	3024	2	2018-11-16 13:00:00	2018-11-16 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1444	3028h3024	2h	3028	3024	3	2018-11-16 15:30:00	2018-11-17 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1445	3028h3024	2h	3028	3024	2	2018-11-17 13:00:00	2018-11-17 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1446	3028h3024	2h	3028	3024	3	2018-11-17 15:30:00	2018-11-18 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1447	3028h3024	2h	3028	3024	2	2018-11-18 13:00:00	2018-11-18 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1448	3028h3024	2h	3028	3024	3	2018-11-18 15:30:00	2018-11-19 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1449	3028h3024	2h	3028	3024	2	2018-11-19 13:00:00	2018-11-19 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1450	3028h3024	2h	3028	3024	3	2018-11-19 15:30:00	2018-11-20 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1451	3028h3024	2h	3028	3024	2	2018-11-20 13:00:00	2018-11-20 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1452	3028h3024	2h	3028	3024	3	2018-11-20 15:30:00	2018-11-21 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1453	3028h3024	2h	3028	3024	2	2018-11-21 13:00:00	2018-11-21 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1454	3028h3024	2h	3028	3024	3	2018-11-21 15:30:00	2018-11-22 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1455	3028h3024	2h	3028	3024	2	2018-11-22 13:00:00	2018-11-22 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1456	3028h3024	2h	3028	3024	3	2018-11-22 15:30:00	2018-11-23 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1457	3028h3024	2h	3028	3024	2	2018-11-23 13:00:00	2018-11-23 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1458	3028h3024	2h	3028	3024	3	2018-11-23 15:30:00	2018-11-24 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1459	3028h3024	2h	3028	3024	2	2018-11-24 13:00:00	2018-11-24 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1460	3028h3024	2h	3028	3024	3	2018-11-24 15:30:00	2018-11-25 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1461	3028h3024	2h	3028	3024	2	2018-11-25 13:00:00	2018-11-25 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1462	3028h3024	2h	3028	3024	3	2018-11-25 15:30:00	2018-11-26 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1463	3028h3024	2h	3028	3024	2	2018-11-26 13:00:00	2018-11-26 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1464	3028h3024	2h	3028	3024	3	2018-11-26 15:30:00	2018-11-27 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1465	3028h3024	2h	3028	3024	2	2018-11-27 13:00:00	2018-11-27 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1466	3028h3024	2h	3028	3024	3	2018-11-27 15:30:00	2018-11-28 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1467	3028h3024	2h	3028	3024	2	2018-11-28 13:00:00	2018-11-28 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1468	3028h3024	2h	3028	3024	3	2018-11-28 15:30:00	2018-11-29 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1469	3028h3024	2h	3028	3024	2	2018-11-29 13:00:00	2018-11-29 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1470	3028h3024	2h	3028	3024	3	2018-11-29 15:30:00	2018-11-30 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1471	3028h3024	2h	3028	3024	2	2018-11-30 13:00:00	2018-11-30 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1472	3028h3024	2h	3028	3024	3	2018-11-30 15:30:00	2018-12-01 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1473	3028h3024	2h	3028	3024	2	2018-12-01 13:00:00	2018-12-01 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1474	3028h3024	2h	3028	3024	3	2018-12-01 15:30:00	2018-12-02 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1475	3028h3024	2h	3028	3024	2	2018-12-02 13:00:00	2018-12-02 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1476	3028h3024	2h	3028	3024	3	2018-12-02 15:30:00	2018-12-03 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1477	3028h3024	2h	3028	3024	2	2018-12-03 13:00:00	2018-12-03 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1478	3028h3024	2h	3028	3024	3	2018-12-03 15:30:00	2018-12-04 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1479	3028h3024	2h	3028	3024	2	2018-12-04 13:00:00	2018-12-04 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1480	3028h3024	2h	3028	3024	3	2018-12-04 15:30:00	2018-12-05 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1481	3028h3024	2h	3028	3024	2	2018-12-05 13:00:00	2018-12-05 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1482	3028h3024	2h	3028	3024	3	2018-12-05 15:30:00	2018-12-06 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1483	3028h3024	2h	3028	3024	2	2018-12-06 13:00:00	2018-12-06 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1484	3028h3024	2h	3028	3024	3	2018-12-06 15:30:00	2018-12-07 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1485	3028h3024	2h	3028	3024	2	2018-12-07 13:00:00	2018-12-07 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1486	3028h3024	2h	3028	3024	3	2018-12-07 15:30:00	2018-12-08 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1487	3028h3024	2h	3028	3024	2	2018-12-08 13:00:00	2018-12-08 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1488	3028h3024	2h	3028	3024	3	2018-12-08 15:30:00	2018-12-09 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1489	3028h3024	2h	3028	3024	2	2018-12-09 13:00:00	2018-12-09 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1490	3028h3024	2h	3028	3024	3	2018-12-09 15:30:00	2018-12-10 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1491	3028h3024	2h	3028	3024	2	2018-12-10 13:00:00	2018-12-10 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1492	3028h3024	2h	3028	3024	3	2018-12-10 15:30:00	2018-12-11 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1493	3028h3024	2h	3028	3024	2	2018-12-11 13:00:00	2018-12-11 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1494	3028h3024	2h	3028	3024	3	2018-12-11 15:30:00	2018-12-12 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1495	3028h3024	2h	3028	3024	2	2018-12-12 13:00:00	2018-12-12 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1496	3028h3024	2h	3028	3024	3	2018-12-12 15:30:00	2018-12-13 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1497	3028h3024	2h	3028	3024	2	2018-12-13 13:00:00	2018-12-13 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1498	3028h3024	2h	3028	3024	3	2018-12-13 15:30:00	2018-12-14 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1499	3028h3024	2h	3028	3024	2	2018-12-14 13:00:00	2018-12-14 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1500	3028h3024	2h	3028	3024	3	2018-12-14 15:30:00	2018-12-15 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1501	3028h3024	2h	3028	3024	2	2018-12-15 13:00:00	2018-12-15 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1502	3028h3024	2h	3028	3024	3	2018-12-15 15:30:00	2018-12-16 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1503	3028h3024	2h	3028	3024	2	2018-12-16 13:00:00	2018-12-16 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1504	3028h3024	2h	3028	3024	3	2018-12-16 15:30:00	2018-12-17 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1505	3028h3024	2h	3028	3024	2	2018-12-17 13:00:00	2018-12-17 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1506	3028h3024	2h	3028	3024	3	2018-12-17 15:30:00	2018-12-18 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1507	3028h3024	2h	3028	3024	2	2018-12-18 13:00:00	2018-12-18 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1508	3028h3024	2h	3028	3024	3	2018-12-18 15:30:00	2018-12-19 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1509	3028h3024	2h	3028	3024	2	2018-12-19 13:00:00	2018-12-19 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1510	3028h3024	2h	3028	3024	3	2018-12-19 15:30:00	2018-12-20 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1511	3028h3024	2h	3028	3024	2	2018-12-20 13:00:00	2018-12-20 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1512	3028h3024	2h	3028	3024	3	2018-12-20 15:30:00	2018-12-21 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1513	3028h3024	2h	3028	3024	2	2018-12-21 13:00:00	2018-12-21 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1514	3028h3024	2h	3028	3024	3	2018-12-21 15:30:00	2018-12-22 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1515	3028h3024	2h	3028	3024	2	2018-12-22 13:00:00	2018-12-22 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1516	3028h3024	2h	3028	3024	3	2018-12-22 15:30:00	2018-12-23 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1517	3028h3024	2h	3028	3024	2	2018-12-23 13:00:00	2018-12-23 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1518	3028h3024	2h	3028	3024	3	2018-12-23 15:30:00	2018-12-24 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1519	3028h3024	2h	3028	3024	2	2018-12-24 13:00:00	2018-12-24 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1520	3028h3024	2h	3028	3024	3	2018-12-24 15:30:00	2018-12-25 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1521	3028h3024	2h	3028	3024	2	2018-12-25 13:00:00	2018-12-25 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1522	3028h3024	2h	3028	3024	3	2018-12-25 15:30:00	2018-12-26 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1523	3028h3024	2h	3028	3024	2	2018-12-26 13:00:00	2018-12-26 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1524	3028h3024	2h	3028	3024	3	2018-12-26 15:30:00	2018-12-27 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1525	3028h3024	2h	3028	3024	2	2018-12-27 13:00:00	2018-12-27 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1526	3028h3024	2h	3028	3024	3	2018-12-27 15:30:00	2018-12-28 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1527	3028h3024	2h	3028	3024	2	2018-12-28 13:00:00	2018-12-28 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1528	3028h3024	2h	3028	3024	3	2018-12-28 15:30:00	2018-12-29 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1529	3028h3024	2h	3028	3024	2	2018-12-29 13:00:00	2018-12-29 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1530	3028h3024	2h	3028	3024	3	2018-12-29 15:30:00	2018-12-30 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1531	3028h3024	2h	3028	3024	2	2018-12-30 13:00:00	2018-12-30 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1532	3028h3024	2h	3028	3024	3	2018-12-30 15:30:00	2018-12-31 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1533	3028h3024	2h	3028	3024	2	2018-12-31 13:00:00	2018-12-31 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1534	3028h3024	2h	3028	3024	3	2018-12-31 15:30:00	2019-01-01 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1535	3028h3024	2h	3028	3024	2	2019-01-01 13:00:00	2019-01-01 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1536	3028h3024	2h	3028	3024	3	2019-01-01 15:30:00	2019-01-02 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1537	3028h3024	2h	3028	3024	2	2019-01-02 13:00:00	2019-01-02 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1538	3028h3024	2h	3028	3024	3	2019-01-02 15:30:00	2019-01-03 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1539	3028h3024	2h	3028	3024	2	2019-01-03 13:00:00	2019-01-03 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1540	3028h3024	2h	3028	3024	3	2019-01-03 15:30:00	2019-01-04 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1541	3028h3024	2h	3028	3024	2	2019-01-04 13:00:00	2019-01-04 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1542	3028h3024	2h	3028	3024	3	2019-01-04 15:30:00	2019-01-05 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1543	3028h3024	2h	3028	3024	2	2019-01-05 13:00:00	2019-01-05 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1544	3028h3024	2h	3028	3024	3	2019-01-05 15:30:00	2019-01-06 06:00:00	13	201.8	1402.8	1.1	647.9	154.6	4.4	340.8
1545	3028h3024	2h	3028	3024	2	2019-01-06 13:00:00	2019-01-06 13:00:00	1	11.7	11.7	0.2	532.7	9.7	15.6	0.0
1546	3028h3024	2h	3028	3024	3	2019-01-06 15:30:00	2019-01-07 06:00:00	13	201.8	1402.8	1.



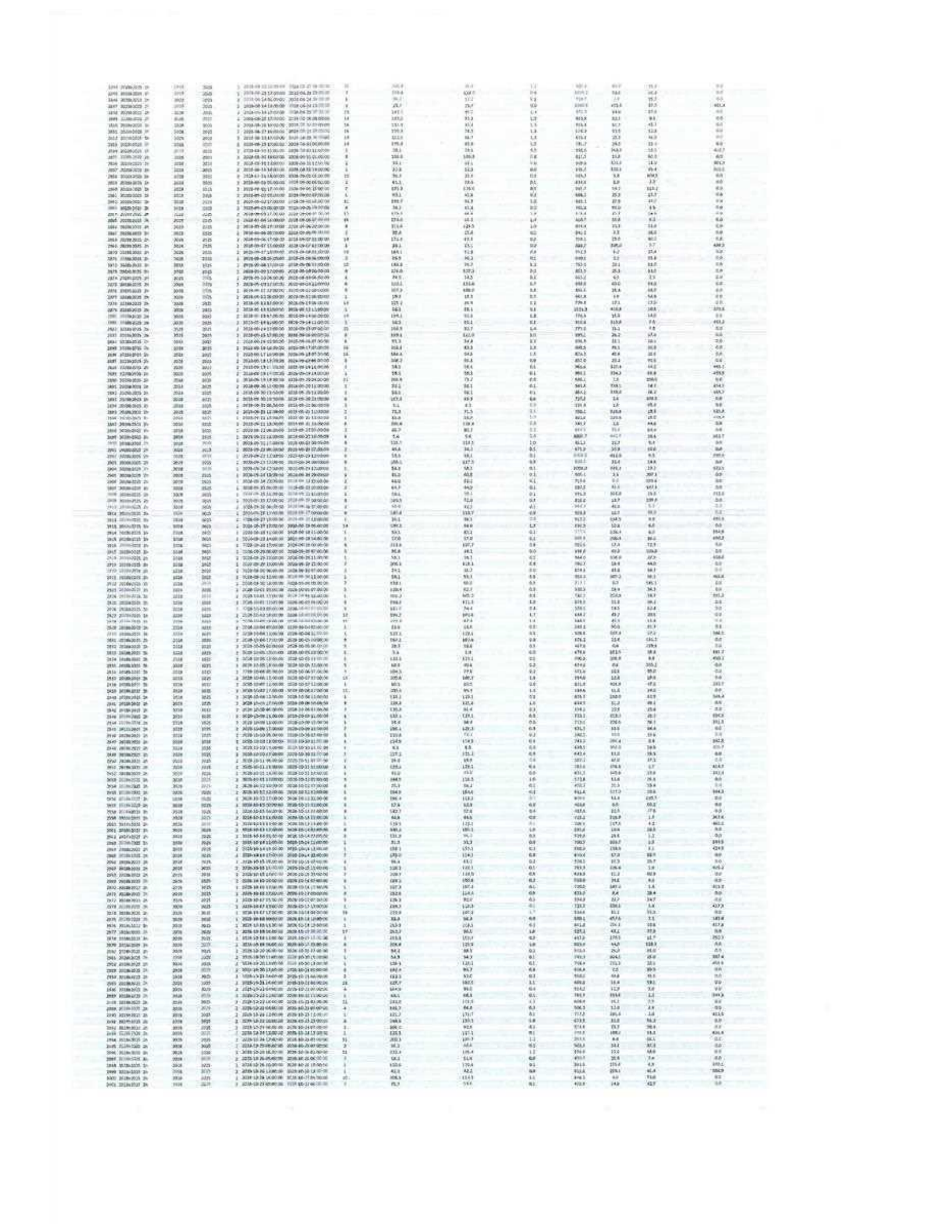
1738	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1739	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1740	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1741	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1742	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1743	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1744	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1745	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1746	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1747	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1748	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1749	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1750	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1751	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1752	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1753	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1754	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1755	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1756	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1757	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1758	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1759	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1760	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1761	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1762	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1763	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1764	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1765	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1766	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1767	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1768	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1769	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1770	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1895	[illegible]	[illegible]	2024	2024	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]





1570	2018W3928	2k	3914	3928	1	2028-03-13 13:00:00	2028-03-20 17:00:00	12	167.0	153.5	1.7	781.2	87.1	66.4	0.0
1571	2018W3928	2k	3928	3928	1	2028-03-18 14:00:00	2028-03-24 03:00:00	11	156.2	96.3	1.1	934.3	16.3	38.6	0.0
1572	2018W3928	2k	3914	3928	1	2028-02-14 14:00:00	2028-02-24 06:00:00	9	160.5	111.8	0.3	916.9	9.5	98.8	0.0
1573	2018W3928	2k	3918	3928	1	2028-02-14 14:00:00	2028-02-24 15:00:00	9	96.9	58.5	0.3	830.9	273.8	19.2	3421.1
1574	2018W3928	2k	3928	3928	1	2028-03-14 08:00:00	2028-03-25 07:00:00	10	189.5	95.1	1.3	866.5	33.0	3.4	0.0
1575	2018W3928	2k	3928	3928	1	2028-03-15 14:00:00	2028-03-25 05:00:00	10	251.3	98.5	1.8	1065.4	83.2	38.4	0.0
1576	2018W3928	2k	3916	3928	1	2028-02-28 23:00:00	2028-03-25 10:00:00	3	139.1	71.6	0.2	838.4	66.8	18.1	0.0
1577	2018W3928	2k	3928	3928	1	2028-03-26 14:00:00	2028-03-27 03:00:00	13	206.8	87.3	1.3	962.9	46.0	4.9	0.0
1578	2018W3928	2k	3928	3928	1	2028-03-27 04:00:00	2028-03-27 07:00:00	4	200.3	69.1	0.4	745.4	67.9	13.3	0.0
1579	2018W3928	2k	3928	3928	1	2028-03-27 10:00:00	2028-03-28 09:00:00	14	324.8	95.1	1.8	870.1	45.2	7.3	0.0
1580	2018W3928	2k	3928	3928	1	2028-03-28 13:00:00	2028-03-29 03:00:00	10	159.1	104.3	1.0	880.1	35.9	5.3	0.0
1581	2018W3928	2k	3928	3928	1	2028-03-29 13:00:00	2028-03-29 09:00:00	8	260.0	109.2	0.7	874.0	100.3	8.8	0.0
1582	2018W3928	2k	3928	3928	1	2028-03-29 13:00:00	2028-03-31 07:00:00	17	221.0	107.8	1.9	758.8	35.7	9.8	0.0
1583	2018W3928	2k	3928	3928	1	2028-03-01 14:00:00	2028-04-01 14:00:00	5	51.4	16.4	0.0	968.8	494.4	14.3	0.0
1584	2018W3928	2k	3928	3928	1	2028-03-01 16:00:00	2028-04-01 04:00:00	13	207.6	98.1	1.9	931.9	67.2	13.1	0.0
1585	2018W3928	2k	3928	3928	1	2028-03-02 13:00:00	2028-04-02 13:00:00	5	113.8	113.8	0.1	944.8	189.4	7.6	536.9
1586	2018W3928	2k	3928	3928	1	2028-03-03 06:00:00	2028-04-03 09:00:00	17	180.0	45.8	1.0	930.4	35.0	4.5	0.0
1587	2018W3928	2k	3928	3928	1	2028-03-03 06:00:00	2028-03-04 00:00:00	1	436.4	436.4	1.0	870.4	20.3	13.4	0.0
1588	2018W3928	2k	3928	3928	1	2028-03-04 21:00:00	2028-04-04 07:00:00	1	85.4	85.4	0.0	1041.1	74.0	34.3	0.0
1589	2018W3928	2k	3928	3928	1	2028-03-04 21:00:00	2028-03-04 21:00:00	1	129.1	129.1	0.1	720.9	281.9	14.7	614.0
1590	2018W3928	2k	3928	3928	1	2028-03-04 06:00:00	2028-03-05 00:00:00	1	320.4	104.1	0.8	727.1	37.4	42.5	0.0
1591	2018W3928	2k	3928	3928	1	2028-03-05 00:00:00	2028-03-05 07:00:00	1	153.7	96.1	0.1	819.5	44.4	49.6	0.0
1592	2018W3928	2k	3928	3928	1	2028-03-05 11:00:00	2028-03-06 05:00:00	1	89.7	89.7	0.1	836.0	217.8	33.1	325.8
1593	2018W3928	2k	3928	3928	1	2028-03-05 14:00:00	2028-03-06 13:00:00	8	324.8	116.2	0.8	962.8	45.8	93.4	0.0
1594	2018W3928	2k	3928	3928	1	2028-03-06 21:00:00	2028-03-06 07:00:00	4	141.1	54.1	0.3	938.1	62.9	78.2	0.0
1595	2018W3928	2k	3928	3928	1	2028-03-06 21:00:00	2028-03-06 16:00:00	1	154.6	154.6	0.2	961.4	241.7	15.7	427.6
1596	2018W3928	2k	3928	3928	1	2028-03-06 14:00:00	2028-03-06 19:00:00	1	7.3	7.3	0.0	938.5	555.4	14.8	150.0
1597	2018W3928	2k	3928	3928	2	2028-03-06 16:00:00	2028-03-07 06:00:00	10	160.7	101.8	1.0	947.2	84.3	25.0	0.0
1598	2018W3928	2k	3928	3928	1	2028-03-07 09:00:00	2028-03-07 09:00:00	1	118.1	98.1	0.2	968.8	29.0	18.7	0.0
1599	2018W3928	2k	3928	3928	2	2028-03-07 14:00:00	2028-03-08 00:00:00	9	167.3	104.3	0.8	949.7	95.8	93.8	0.0
1600	2018W3928	2k	3928	3928	1	2028-03-08 18:00:00	2028-03-09 12:00:00	1	68.8	68.8	0.1	968.0	268.3	4.5	209.5
1601	2018W3928	2k	3928	3928	1	2028-03-08 13:00:00	2028-03-09 12:00:00	5	125.2	121.2	0.1	939.9	196.8	6.8	669.6
1602	2018W3928	2k	3928	3928	1	2028-03-09 17:00:00	2028-03-10 09:00:00	14	234.7	68.7	1.2	915.8	6.8	33.8	0.0
1603	2018W3928	2k	3928	3928	1	2028-03-10 00:00:00	2028-03-10 09:00:00	1	145.2	145.2	0.1	934.9	144.2	0.8	423.4
1604	2018W3928	2k	3928	3928	2	2028-03-09 13:00:00	2028-03-10 13:00:00	1	494.6	194.6	0.3	908.7	198.1	3.6	387.7
1605	2018W3928	2k	3928	3928	1	2028-03-09 16:00:00	2028-03-10 09:00:00	16	186.3	86.7	1.4	928.9	84.9	19.1	0.0
1606	2018W3928	2k	3928	3928	2	2028-03-10 10:00:00	2028-03-10 13:00:00	1	90.3	90.3	0.1	988.4	277.3	5.4	656.4
1607	2018W3928	2k	3928	3928	1	2028-03-10 20:00:00	2028-03-11 01:00:00	10	190.5	108.8	1.0	962.0	27.4	7.0	0.0
1608	2018W3928	2k	3928	3928	1	2028-03-11 04:00:00	2028-03-11 06:00:00	1	91.8	47.8	0.1	912.0	14.5	13.0	0.0
1609	2018W3928	2k	3928	3928	1	2028-03-11 10:00:00	2028-03-11 13:00:00	1	98.8	98.8	0.1	818.5	104.8	1.8	102.3
1610	2018W3928	2k	3928	3928	1	2028-03-11 10:00:00	2028-03-11 13:00:00	1	113.3	113.3	0.1	813.9	198.0	1.3	349.4
1611	2018W3928	2k	3928	3928	1	2028-03-11 14:00:00	2028-03-12 06:00:00	10	174.5	120.0	1.0	883.1	80.1	8.1	0.0
1612	2018W3928	2k	3928	3928	1	2028-03-13 04:00:00	2028-03-13 06:00:00	9	120.5	47.0	0.1	963.1	18.1	7.0	0.0
1613	2018W3928	2k	3928	3928	1	2028-03-13 14:00:00	2028-03-13 15:00:00	1	134.6	134.6	0.2	961.0	154.7	7.3	625.0
1614	2018W3928	2k	3928	3928	1	2028-03-13 17:00:00	2028-03-13 17:00:00	1	139.6	139.6	0.2	972.5	139.8	2.9	580.9
1615	2018W3928	2k	3928	3928	1	2028-03-13 17:00:00	2028-03-13 20:00:00	8	127.0	126.4	1.0	972.8	4.7	12.0	0.0
1616	2018W3928	2k	3928	3928	1	2028-03-13 13:00:00	2028-03-13 13:00:00	1	134.6	134.6	0.2	948.3	199.3	12.0	498.1
1617	2018W3928	2k	3928	3928	1	2028-03-13 13:00:00	2028-03-13 13:00:00	1	134.6	134.6	0.2	999.3	180.7	9.5	486.6
1618	2018W3928	2k	3928	3928	1	2028-03-13 17:00:00	2028-03-14 06:00:00	14	173.0	80.6	1.2	959.6	6.1	39.6	0.0
1619	2018W3928	2k	3928	3928	1	2028-03-14 10:00:00	2028-03-14 13:00:00	1	134.1	134.1	0.1	882.7	312.4	1.4	625.9
1620	2018W3928	2k	3928	3928	1	2028-03-14 12:00:00	2028-03-14 13:00:00	1	144.8	114.8	0.1	931.5	248.2	4.3	414.4
1621	2018W3928	2k	3928	3928	1	2028-03-14 14:00:00	2028-03-15 00:00:00	9	198.3	168.3	1.0	936.7	35.6	13.2	0.0
1622	2018W3928	2k	3928	3928	1	2028-03-15 20:00:00	2028-03-15 01:00:00	1	50.8	50.8	0.0	880.7	0.0	19.2	0.0
1623	2018W3928	2k	3928	3928	1	2028-03-15 14:00:00	2028-03-15 15:00:00	1	154.4	154.4	0.2	949.9	278.4	1.3	647.4
1624	2018W3928	2k	3928	3928	1	2028-03-15 11:00:00	2028-03-15 12:00:00	2	134.6	134.6	0.2	960.1	177.8	1.4	496.3
1625	2018W3928	2k	3928	3928	1	2028-03-15 17:00:00	2028-03-16 05:00:00	13	204.5	90.5	1.1	994.9	5.1	3.8	0.0
1626	2018W3928	2k	3928	3928	1	2028-03-16 11:00:00	2028-03-16 11:00:00	1	134.6	134.6	0.1	980.4	75.4	0.8	516.3
1627	2018W3928	2k	3928	3928	1	2028-03-16 13:00:00	2028-03-16 13:00:00	1	134.6	134.6	0.2	980.8	79.7	0.7	498.6
1628	2018W3928	2k	3928	3928	1	2028-03-16 17:00:00	2028-03-17 00:00:00	8	107.7	103.8	0.8	980.0	9.7	13.8	0.0
1629	2018W3928	2k	3928	3928	1	2028-03-17 08:00:00	2028-03-17 09:00:00	1	66.2	66.2	0.1	951.8	58.3	0.2	0.0
1630	2018W3928	2k	3928	3928	2	2028-03-17 17:00:00	2028-03-17 17:00:00	1	74.8	74.8	0.1	979.2	270.7	3.3	250.9
1631	2018W3928	2k	3928	3928	1	2028-03-17 15:00:00	2028-03-17 15:00:00	9	196.9	128.2	1.1	941.8	27.4	13.0	0.0
1632	2018W3928	2k	3928	3928	1	2028-03-18 09:00:00	2028-03-18 09:00:00	1	19.7	19.2	0.0	949.8	46.7	44.0	0.0
1633	2018W3928	2k	3928	3928	1	2028-03-18 11:00:00	2028-03-18 11:00:00	1	134.6	134.6	0.2	979.8	188.8	5.1	483.2
1634	2018W3928	2k	3928	3928	1	2028-03-18 13:00:00	2028-03-18 13:00:00	1	134.6	134.6	0.1	993.5	169.7	4.6	433.7
1635	2018W3928	2k	3928	3928	1	2028-03-18 17:00:00	2028-03-19 10:00:00	7	187.7	137.3	0.8	953.5	9.2	44.3	0.0
1636	2018W3928	2k	3928	3928	1	2028-03-19 09:00:00	2028-03-19 09:00:00	1	35.9	35.9	0.0	957.6	287.9	8.6	256.0
1637	2018W3928	2k	3928	3928	1	2028-03-19 17:00:00	2028-03-19 18:00:00	10	195.8	89.9	1.8	928.8	46.7	89.8	0.0
1638	2018W3928	2k	3928	3928	1	2028-03-20 10:00:00	2028-03-20 10:00:00	1	82.9	82.9	0.1	950.8	108.8	12.0	142.8
1639	2018W3928	2k	3928	3928	1	2028-03-20 12:00:00	2028-03-20 13:00:00	1	166.3	166.3	0.2	935.1	197.1	43.6	394.8
1640	2018W3928	2k	3928	3928	1	2028-03-20 14:00:00	2028-03-20 19:00:00	5	112.0	104.5	0.9	906.2	84.7	62.7	0.0
1641	2018W3928	2k	3928	3928	1	2028-03-15 00:00:00	2028-03-22 06:00:00	8	113.5	102.0	0.8	952.8	97.4	34.4	0.0
1642	2018W3928	2k	3928	3928	1	2028-03-21 12:00:00	2028-03-21 12:00:00	1	134.6	134.6	0.2	931.8	276.2	7.2	511.8
1643	2018W3928	2k	3928	3928	1	2028-03-21 17:00:00	2028-03-22 07:00:00	13	241.8	89.2	1.5	930.1	28.6	9.7	0.0
1644	2018W3928	2k	3928	3928	1	2028-03-21 13:00:00	2028-03-22 12:00:00	1	159.1	159.1	0.2	949.1	159.6	1.8	475.4
1645	2018W3928	2k	3928	3928	1	2028-03-22 13:00:00	2028-03-22 13:00:00	1	154.1	154.1	0.2	962.0	136.7	3.3	407.7
1646	2018W3928	2k	3928	3928	1	2028-03-23 15:00:00	2028-03-23 15:00:00	1	150.8	114.8	0.9	933.5	41.4	47.0	0.0
1647	2018W3928	2k	3928	3928	1	2028-03-23 23:00:00	2028-03-27 06:00:00	8	118.0	99.7	0.5	934.7	57.3	39.9	0.0
1648	2018W3928	2k	3928	3928	1	2028-03-27 00:00:00	2028-03-27 09:00:00	1	43.3	43.3	0.0	980.1	248.0	1.6	249.0
1649	2018W3928	2k	3928	3928	1	2028-03-29 11:00:00	2028-03-29 18:00:00	1	213.1	213.1	0.3	969.0	99.5	1.9	529.9
1650	2018W3928	2k	3928	3928	1	2028-03-29 15:00:00	2028-03-29 15:00:00	1	211.1	211.1	0.3	979.8	91.9	3.8	553.3
1651	2018W3928	2k	3928	3928	1	2028-03-29 17:00:00	2028-03-29 17:00:00	8	203.1	203.1	0.3	968.5	97.7	38.4	0.0
1652	2018W3928	2k	3928	3928	1	2028-03-30 21:00:00	2028-03-31 08:00:00	7	180.8	93.0	0.7	957.4	102.1	1.8	0.0
1653	2018W3928	2k	3928	3928	1	2028-03-24 11:00:00	2028-03-24 16:00:00	1	134.6	134.6	0.1	974.6	184.0	2.4	379.1
1654	2018W3928	2k	3928	3928	1	2028-03-24 15:00:00	2028-03-24 15:00:00	1	180.8	180.8	0.2	964.6	167.0	9.2	481.1
1655	2018W3928	2k	3928	3928	2	2028-03-24 19:00:00	2028-03-25 00:00:00	13	201.7	86.3	1.8	968.8	28.3	20.4	0.0
1656	2018W3928	2k	3928	3928	1	2028-03-25 10:00:00	2028-03-25 12:00:00	1	147.6	147.6	0.1	984.1	120.8	0.2	371.1
1657	2018W3928	2k	3928	3928	2	2028-03-25 13:00:00	2028-03-25 13:00:00	1	64.1	64.1	0.1	913.4	223.0	0.9	308.2
1658	2018W3928	2k	3928	3928	2	2028-03-25 15:00:00	2028-03-26 01:00:00	10	189.1	98.4	1.0	933.2	10.0	0.2	0.0
1659	2018W3928	2k	3928	3928	2	2028-03-26 04:00:00	2028-03-26 10:00:00	3	73.0	34.3	0.1	881.1	29.2	0.9	0.0
1660	2018W3928	2k	3928	3928	1	2028-03-26 15:00:00	2028-03-26 15:00:00	1	154.6	89.6	0.1	965.8	264.3	0.8	384.3
1661	2018W3928	2k	3928	3928	2	2028-03-26 19:00:00	2028-03-27 05:00:00	10	174.5	89.8	1.2	966.0	17.5	3.8	0.0
1662	2018W3928	2k	3928	3928	2	2028-03-27 10:00:00	2028-03-27 10:00:00	1	154.6	154.6	0.2	986.3	223.1	2.8	451.9
1663	2018W3928	2k	3928	3928	1	2028-03-27 13:00:00	2028-03-27 13:00:00	1	154.6	154.6	0.2	913.4	228.8	7.8	453.3
1664	2018W3928	2k	3928	3928	1	2028-03-27 17:00:00	2028-03-28 09:00:00	1	157.8	130.8	0.8	971.0	7.3	38.8	0.0
1665	2018W3928	2k	3928	3928	1	2028-03-28 06:00:00	2028-03-28 07:00:00	9	97.5	16.8	0.9	913.8	49.8	28.8	0.0
1666	2018W3928	2k	3928	3928	2	2028-03-28 13:00:00	2028-03-28 13:00:00	1	19.9	19.9	0.0	924.6	362.8	13.4	709.0
1667	2018W3928	2k	3928	3928	1	2028-03-28 17:00:00	2028-03-28 21:00:00	1	209.7	184.4	0.9	981.1	18.1	38.8	0.0
1668	2018W3928	2k	3928	3928	1	2028-03-29 13:00:00	2028-03-29 13:00:00	1	154.6	154.6	0.2	956.6	233.8	4.5	482.8
1669	2018W3928	2k	3928	3928	2	2028-03-29 17:00:00	2028-03-29 21:00:00	1	154.6	154.6	0.2	926.2	134.2	2.8	284.4
1670	2018W3928	2k	3928	3928	2	2028-03-29 17:00:00	2028-03-30 12:00:00	10	180.5	91.6	0.9	926.2	2.8	38.3	0.0
1671	2018W3928	2k	3928	3928	2	2028-03-30 06:00:00	2028-03-30 06:00:00	9	41.2	21.6	0.1	949.8	8.8	4.7	0.0
1672	2018W3928	2k	3928	3928	2	2028-03-30 13:00:00	2028-03-30 21:00:00	1	158.8	158.8	0.2	949.8	190.9	8.7	449.2
1673	2018W3928	2k	3928	3928	2	2028-03-30 17:00:00	2028-03-31 01:00:00	9	198.2	126.9	0.8	953.8	11.8	13.6	0.0
1674	2018W3928	2k	3928	3928	2	2028-03-31 05:00:00	2028-03-31 07:00:00	1	108.8	75.4	0.1	975.2	13.7	38.1	0.0
1675	2018W3928	2k	3928	3928	2	2028-03-31 13:00:00	2028-03-31 15:00:00	1	154.6	154.6	0.2	934.4	129.8	11.3	389.9
1676	2018W3928	2k	3928	3928	2	2028-03-31 14:00:00	2028-03-31 14:00:00	1	87.8	87.8	0.1	934.7	154.5	13.0	360.1
1677	2018W3928	2k	3928	3928	2	2028-03-31 19:00:00	2028-04-01 12:00:00	9	211.7	138.7	0.8	931.1	9.7	34.7	0.0
1678	2018W3928	2k	3928	3928	2	2028-04-01 00:00:00	2028-04-01 00:00:00	12	74.5	26.5	0.1	925.2	47.2	103.9	0.0
1679	2018W3928	2k	3928	3928	2	2028-04-01 13:00:00	2028-04-01 16:00:00	4	148.0	42.6	0.3	901.5	144.1	47.0	0.0
1680	2018W3928	2k	3928	3928	1	2028-04-01 18:00:00	2028-04-02 17:00:00	14	231.8	81.9	1.7	899.0	21.0	47.1	0.0
1681	2018W3928	2k	3928	3928	1	2028-04-02 12:00:00	2028-04-02 12:00:00	1	154.6	154.6	0.1	936.7	158.8	26.8	514.5
1682	2018W3928	2k	3928	3928	1	2028-04-02 14:00:00	2028-04-03 04:00:00	9	184.0	154.6	0.3	933.5	109.9	33.7	469.8
1683	2018W3928	2k	3928	3928	2	2028-04-03 18:00:00	2028-04-03 19:00:00	7	215.8	127.9	0.8	976.0	6.6	42.2	0.0
1684	2018W3928	2k	3928	3928	1	2028-04-03 21:00:00	2028-04-04 07:00:00	1	148.8	101.1	0.1	969.4	61.7	17.5	0.0
1685	2018W3928	2k	3928	3928	1	2028-04-03 13:00:00	2028-04-04 13:00:00	1	148.8	148.8	0.1	967.8	277.8	19.8	967.5
1686	2018W3928	2k	3928	3928	1	2028-04-04 04:00:00	2028-04-04 14:00:00	1	99.7	97.7	0.0	949.3	98.3	18.7	299.5
1687	2018W3928	2k	3928	3928	2	2028-04-04 03:00:00	2028-04-04 09:00:00	16	191.1	95.1	1.5	979.6	49.8	33.9	0.0
1688	2018W3928	2k	3928	3928	2	2028-04-04 20:00:00	2028-04-05 07:00:00	29	149.9	49.5	1.5	919.5	40.4	10.9	0.0
1689	2018W3928	2k	3928	3928	2	2028-04-05 01:00:00	2028-04-05 15:00:00	1	154.6	154.6	0.1	914.7	216.8	13.8	613.7
1690	2018W3928	2k	3928	3928	2	2028-04-05 13:00:00	2028-04-05 13:00:00	1	154.6	154.6	0.1	947.7	167.4	15.8	454.8
1691	2018W3928	2k	3928	3928	2	2028-04-05 18:00:00	2028-04-06 12:00:00	19	184.5	99.4	1.3	979.7	6.1	33.2	0.0
1692	2018W3928	2k	3928	3928	2	2028-04-06 12:00:00	2028-04-06 12:00:00	1	117.1	117.1	0.1	922.1	174.0	0.9	377.6
1693	2018W3928	2k	3928	3928	2	2028-04-06 14:00:00	2028-04-06 14:00:00	1	154.6	154.6	0.2	960.1	43.8	0.9	454.8
1694	2018W3928	2k	3928	3928	2	2028-04-06 16:00:00	2028-04-06 16:00:00	1	215.1	154.6	0.3	939.4	9.6	15.4	0.0
1695	2018W3928	2k	3928	3928	2	2028-04-06 17:00:00	2028-04-07 00:00:00	1	67.4	65.0	0.1	938.3	62.8	72.2	0.0
1696	2018W3928	2k	3928	3928	2	2028-04-07 11:00:00	2028-04-07 11:00:00	1	149.0	149.0	0.1	935.1	200.5	6.2	585.8
1697	2018W3928	2k	3928	3928	2	2028-04-07 17:00:00	2028-04-07 20:00:00	1	236.3	110.2	0.5	930.8	93.2	22.1	0.0
1698	2018W3928	2k	3928	3928	2	2028-04-08 00:00:00	2028-04-08 00:00:00	4	130.7	85.2	0.3	940.9	72.8	13.8	0.0
1699	2018W3928	2k	3928	3928	2	2028-04-08 13:00:00	2028-04-08 13:00:00	1	51.4	51.4	0.1	948.4	280.1	4.6	686.2
1700	2018W3928	2k	3928	3928	2	2028-04-08 13:00:00	2028-04-08 13:00:00	1	110.7	110.2	0.1	918.1	266.9	9.7	599.4
1701	2018W3928	2k	3928	3928	2	2028-04-08 17:00:00	2028-04-08 20:00:00	9	224.9	122.9	0.8	983.1	31.0	25.1	0.0
1702	2018W3928	2k	3928	3928	2	2028-04-09 05:00:00	2028-04-09 10:00:00	9	72.5	27.7	0.1	951.9	23.2	93.9	0.0
1703	2018W3928	2k	3928	3928	2	2028-04-09 13:00:00	2028-04-09 13:00:00	1	154.6	154.6	0.2	988.1	218.8	6.9	592.0
1704	2018W3928	2k	3928	3928	2	2028-04-09 14:00:00	2028-04-09 15:00:00	1	234.6	189.8	0.1	981.0	105.9	33.8	337.1
1705	2018W3928	2k	3928	3928	2	2028-04-09 18:00:00	2028-04-09 19:00:00	1	158.1	129.0	0.8	931.8	18.3	39.5	0.0
1706	2018W3928	2k	3928	3928	2	2028-04-10 00:00:00	2028-04-10 07:00:00	8	84.9	47.5	0.1	956.2	78.7	47.0	0.0
1707	2018W3928	2k	3928	3928	2	2028-04-10 13:00:00	2028-04-10 13:00:00	1	154.6	154.6	0.2	981.8	254.8	18.8	697.4
1708	2018W3928	2k	3928	3928	2	2028-04-10 17:00:00	2028-04-10 19:00:00	1	154.6	154.6	0.2	938.3	209.7	12.0	618.4
1709	2018W3928	2k	3928	3928	2	2028-04-10 20:00:00	2028-04-11 04:00:00	5	158.1	121.3	0.8	918.1	31.4	58.6	0.0
1710	2018W3928	2k	3928	3928	2	2028-04-11 06:00:00	2028-04-11 07:00:00	3	35.6	12.2	0.1	964.0	80.3	95.5	0.0
1711	2018W3928	2k	3928	3928	2	2028-04-11 13:00:00	2028-04-11 13:00:00	1	154.6	154.6	0.2	970.4	259.1	28.3	785.7
1712	2018W3928	2k	3928	3928	2	2028-04-11 14:00:00	2028-04-11 14:00:00	1	154.6	154.6	0.2	946.0	218.8	43.0	612.6
1713	2018W3928	2k	3928	3928	2	2028-04-11 18:00:00	2028-04-12 04:00:00	7	197.0	193.1	0.9	938.9	9.1	48.1	0.0
1714	2018W3928	2k	3928	3928	2	2028-04-12 07:00:00	2028-04-12 07:00:00	9	66.1	49.2	0.1	979.7	33.4	25.8	0.0
1715	2018W3928	2k	3928	3928	2	2028-04-12 11:00:00	2028-04-12 11:00:00	1	154.6	154.6	0.2	916.9	228.1	4.7	484.4
1716	2018W3928	2k	3928

2626	20260103	2h	2010	2025	2	2026-06-01 10:00:00	2026-06-04 10:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	686.7
2627	20260103	2h	2005	2025	2	2026-06-01 12:30:00	2026-06-04 12:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1569.9
2628	20260103	2h	2010	2025	2	2026-06-01 14:30:00	2026-06-04 14:30:00	1	1198	1561	0.2	1206	1557	3.5	2.5	1561.1
2629	20260103	2h	2010	2025	2	2026-06-01 16:00:00	2026-06-04 16:00:00	15	1202	1561	0.1	1214	1564	2.6	1.6	0.0
2630	20260103	2h	2010	2025	2	2026-06-01 16:30:00	2026-06-04 16:30:00	1	1201	1561	0.1	1213	1564	2.6	1.6	0.0
2631	20260103	2h	2010	2025	2	2026-06-01 18:00:00	2026-06-04 18:00:00	1	1201	1561	0.1	1213	1564	2.6	1.6	1561.1
2632	20260103	2h	2010	2025	2	2026-06-01 19:00:00	2026-06-04 19:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2633	20260103	2h	2010	2025	2	2026-06-01 19:30:00	2026-06-04 19:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2634	20260103	2h	2010	2025	2	2026-06-01 20:00:00	2026-06-04 20:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2635	20260103	2h	2010	2025	2	2026-06-01 20:30:00	2026-06-04 20:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2636	20260103	2h	2010	2025	2	2026-06-01 21:00:00	2026-06-04 21:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2637	20260103	2h	2010	2025	2	2026-06-01 21:30:00	2026-06-04 21:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2638	20260103	2h	2010	2025	2	2026-06-01 22:00:00	2026-06-04 22:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2639	20260103	2h	2010	2025	2	2026-06-01 22:30:00	2026-06-04 22:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2640	20260103	2h	2010	2025	2	2026-06-01 23:00:00	2026-06-04 23:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2641	20260103	2h	2010	2025	2	2026-06-01 23:30:00	2026-06-04 23:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2642	20260103	2h	2010	2025	2	2026-06-02 00:00:00	2026-06-05 00:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2643	20260103	2h	2010	2025	2	2026-06-02 00:30:00	2026-06-05 00:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2644	20260103	2h	2010	2025	2	2026-06-02 01:00:00	2026-06-05 01:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2645	20260103	2h	2010	2025	2	2026-06-02 01:30:00	2026-06-05 01:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2646	20260103	2h	2010	2025	2	2026-06-02 02:00:00	2026-06-05 02:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2647	20260103	2h	2010	2025	2	2026-06-02 02:30:00	2026-06-05 02:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2648	20260103	2h	2010	2025	2	2026-06-02 03:00:00	2026-06-05 03:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2649	20260103	2h	2010	2025	2	2026-06-02 03:30:00	2026-06-05 03:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2650	20260103	2h	2010	2025	2	2026-06-02 04:00:00	2026-06-05 04:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2651	20260103	2h	2010	2025	2	2026-06-02 04:30:00	2026-06-05 04:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2652	20260103	2h	2010	2025	2	2026-06-02 05:00:00	2026-06-05 05:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2653	20260103	2h	2010	2025	2	2026-06-02 05:30:00	2026-06-05 05:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2654	20260103	2h	2010	2025	2	2026-06-02 06:00:00	2026-06-05 06:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2655	20260103	2h	2010	2025	2	2026-06-02 06:30:00	2026-06-05 06:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2656	20260103	2h	2010	2025	2	2026-06-02 07:00:00	2026-06-05 07:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2657	20260103	2h	2010	2025	2	2026-06-02 07:30:00	2026-06-05 07:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2658	20260103	2h	2010	2025	2	2026-06-02 08:00:00	2026-06-05 08:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2659	20260103	2h	2010	2025	2	2026-06-02 08:30:00	2026-06-05 08:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2660	20260103	2h	2010	2025	2	2026-06-02 09:00:00	2026-06-05 09:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2661	20260103	2h	2010	2025	2	2026-06-02 09:30:00	2026-06-05 09:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2662	20260103	2h	2010	2025	2	2026-06-02 10:00:00	2026-06-05 10:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2663	20260103	2h	2010	2025	2	2026-06-02 10:30:00	2026-06-05 10:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2664	20260103	2h	2010	2025	2	2026-06-02 11:00:00	2026-06-05 11:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2665	20260103	2h	2010	2025	2	2026-06-02 11:30:00	2026-06-05 11:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2666	20260103	2h	2010	2025	2	2026-06-02 12:00:00	2026-06-05 12:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2667	20260103	2h	2010	2025	2	2026-06-02 12:30:00	2026-06-05 12:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2668	20260103	2h	2010	2025	2	2026-06-02 13:00:00	2026-06-05 13:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2669	20260103	2h	2010	2025	2	2026-06-02 13:30:00	2026-06-05 13:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2670	20260103	2h	2010	2025	2	2026-06-02 14:00:00	2026-06-05 14:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2671	20260103	2h	2010	2025	2	2026-06-02 14:30:00	2026-06-05 14:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2672	20260103	2h	2010	2025	2	2026-06-02 15:00:00	2026-06-05 15:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2673	20260103	2h	2010	2025	2	2026-06-02 15:30:00	2026-06-05 15:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2674	20260103	2h	2010	2025	2	2026-06-02 16:00:00	2026-06-05 16:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2675	20260103	2h	2010	2025	2	2026-06-02 16:30:00	2026-06-05 16:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2676	20260103	2h	2010	2025	2	2026-06-02 17:00:00	2026-06-05 17:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2677	20260103	2h	2010	2025	2	2026-06-02 17:30:00	2026-06-05 17:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2678	20260103	2h	2010	2025	2	2026-06-02 18:00:00	2026-06-05 18:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2679	20260103	2h	2010	2025	2	2026-06-02 18:30:00	2026-06-05 18:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2680	20260103	2h	2010	2025	2	2026-06-02 19:00:00	2026-06-05 19:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2681	20260103	2h	2010	2025	2	2026-06-02 19:30:00	2026-06-05 19:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2682	20260103	2h	2010	2025	2	2026-06-02 20:00:00	2026-06-05 20:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2683	20260103	2h	2010	2025	2	2026-06-02 20:30:00	2026-06-05 20:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2684	20260103	2h	2010	2025	2	2026-06-02 21:00:00	2026-06-05 21:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2685	20260103	2h	2010	2025	2	2026-06-02 21:30:00	2026-06-05 21:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2686	20260103	2h	2010	2025	2	2026-06-02 22:00:00	2026-06-05 22:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2687	20260103	2h	2010	2025	2	2026-06-02 22:30:00	2026-06-05 22:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2688	20260103	2h	2010	2025	2	2026-06-02 23:00:00	2026-06-05 23:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2689	20260103	2h	2010	2025	2	2026-06-02 23:30:00	2026-06-05 23:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2690	20260103	2h	2010	2025	2	2026-06-03 00:00:00	2026-06-06 00:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2691	20260103	2h	2010	2025	2	2026-06-03 00:30:00	2026-06-06 00:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2692	20260103	2h	2010	2025	2	2026-06-03 01:00:00	2026-06-06 01:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2693	20260103	2h	2010	2025	2	2026-06-03 01:30:00	2026-06-06 01:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2694	20260103	2h	2010	2025	2	2026-06-03 02:00:00	2026-06-06 02:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2695	20260103	2h	2010	2025	2	2026-06-03 02:30:00	2026-06-06 02:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2696	20260103	2h	2010	2025	2	2026-06-03 03:00:00	2026-06-06 03:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2697	20260103	2h	2010	2025	2	2026-06-03 03:30:00	2026-06-06 03:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2698	20260103	2h	2010	2025	2	2026-06-03 04:00:00	2026-06-06 04:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2699	20260103	2h	2010	2025	2	2026-06-03 04:30:00	2026-06-06 04:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2700	20260103	2h	2010	2025	2	2026-06-03 05:00:00	2026-06-06 05:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2701	20260103	2h	2010	2025	2	2026-06-03 05:30:00	2026-06-06 05:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2702	20260103	2h	2010	2025	2	2026-06-03 06:00:00	2026-06-06 06:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2703	20260103	2h	2010	2025	2	2026-06-03 06:30:00	2026-06-06 06:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2704	20260103	2h	2010	2025	2	2026-06-03 07:00:00	2026-06-06 07:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2705	20260103	2h	2010	2025	2	2026-06-03 07:30:00	2026-06-06 07:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2706	20260103	2h	2010	2025	2	2026-06-03 08:00:00	2026-06-06 08:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2707	20260103	2h	2010	2025	2	2026-06-03 08:30:00	2026-06-06 08:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2708	20260103	2h	2010	2025	2	2026-06-03 09:00:00	2026-06-06 09:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2709	20260103	2h	2010	2025	2	2026-06-03 09:30:00	2026-06-06 09:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2710	20260103	2h	2010	2025	2	2026-06-03 10:00:00	2026-06-06 10:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2711	20260103	2h	2010	2025	2	2026-06-03 10:30:00	2026-06-06 10:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2712	20260103	2h	2010	2025	2	2026-06-03 11:00:00	2026-06-06 11:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2713	20260103	2h	2010	2025	2	2026-06-03 11:30:00	2026-06-06 11:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2714	20260103	2h	2010	2025	2	2026-06-03 12:00:00	2026-06-06 12:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2715	20260103	2h	2010	2025	2	2026-06-03 12:30:00	2026-06-06 12:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2716	20260103	2h	2010	2025	2	2026-06-03 13:00:00	2026-06-06 13:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2717	20260103	2h	2010	2025	2	2026-06-03 13:30:00	2026-06-06 13:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2718	20260103	2h	2010	2025	2	2026-06-03 14:00:00	2026-06-06 14:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2719	20260103	2h	2010	2025	2	2026-06-03 14:30:00	2026-06-06 14:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2720	20260103	2h	2010	2025	2	2026-06-03 15:00:00	2026-06-06 15:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2721	20260103	2h	2010	2025	2	2026-06-03 15:30:00	2026-06-06 15:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2722	20260103	2h	2010	2025	2	2026-06-03 16:00:00	2026-06-06 16:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2723	20260103	2h	2010	2025	2	2026-06-03 16:30:00	2026-06-06 16:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2724	20260103	2h	2010	2025	2	2026-06-03 17:00:00	2026-06-06 17:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2725	20260103	2h	2010	2025	2	2026-06-03 17:30:00	2026-06-06 17:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2726	20260103	2h	2010	2025	2	2026-06-03 18:00:00	2026-06-06 18:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2727	20260103	2h	2010	2025	2	2026-06-03 18:30:00	2026-06-06 18:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2728	20260103	2h	2010	2025	2	2026-06-03 19:00:00	2026-06-06 19:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2729	20260103	2h	2010	2025	2	2026-06-03 19:30:00	2026-06-06 19:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2730	20260103	2h	2010	2025	2	2026-06-03 20:00:00	2026-06-06 20:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2731	20260103	2h	2010	2025	2	2026-06-03 20:30:00	2026-06-06 20:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2732	20260103	2h	2010	2025	2	2026-06-03 21:00:00	2026-06-06 21:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2733	20260103	2h	2010	2025	2	2026-06-03 21:30:00	2026-06-06 21:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2734	20260103	2h	2010	2025	2	2026-06-03 22:00:00	2026-06-06 22:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2735	20260103	2h	2010	2025	2	2026-06-03 22:30:00	2026-06-06 22:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2736	20260103	2h	2010	2025	2	2026-06-03 23:00:00	2026-06-06 23:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2737	20260103	2h	2010	2025	2	2026-06-03 23:30:00	2026-06-06 23:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2738	20260103	2h	2010	2025	2	2026-06-04 00:00:00	2026-06-07 00:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2739	20260103	2h	2010	2025	2	2026-06-04 00:30:00	2026-06-07 00:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2740	20260103	2h	2010	2025	2	2026-06-04 01:00:00	2026-06-07 01:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2741	20260103	2h	2010	2025	2	2026-06-04 01:30:00	2026-06-07 01:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2742	20260103	2h	2010	2025	2	2026-06-04 02:00:00	2026-06-07 02:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2743	20260103	2h	2010	2025	2	2026-06-04 02:30:00	2026-06-07 02:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2744	20260103	2h	2010	2025	2	2026-06-04 03:00:00	2026-06-07 03:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2745	20260103	2h	2010	2025	2	2026-06-04 03:30:00	2026-06-07 03:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2746	20260103	2h	2010	2025	2	2026-06-04 04:00:00	2026-06-07 04:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2747	20260103	2h	2010	2025	2	2026-06-04 04:30:00	2026-06-07 04:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2748	20260103	2h	2010	2025	2	2026-06-04 05:00:00	2026-06-07 05:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2749	20260103	2h	2010	2025	2	2026-06-04 05:30:00	2026-06-07 05:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2750	20260103	2h	2010	2025	2	2026-06-04 06:00:00	2026-06-07 06:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2751	20260103	2h	2010	2025	2	2026-06-04 06:30:00	2026-06-07 06:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2752	20260103	2h	2010	2025	2	2026-06-04 07:00:00	2026-06-07 07:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2753	20260103	2h	2010	2025	2	2026-06-04 07:30:00	2026-06-07 07:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2754	20260103	2h	2010	2025	2	2026-06-04 08:00:00	2026-06-07 08:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2755	20260103	2h	2010	2025	2	2026-06-04 08:30:00	2026-06-07 08:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2756	20260103	2h	2010	2025	2	2026-06-04 09:00:00	2026-06-07 09:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2757	20260103	2h	2010	2025	2	2026-06-04 09:30:00	2026-06-07 09:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2758	20260103	2h	2010	2025	2	2026-06-04 10:00:00	2026-06-07 10:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2759	20260103	2h	2010	2025	2	2026-06-04 10:30:00	2026-06-07 10:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2760	20260103	2h	2010	2025	2	2026-06-04 11:00:00	2026-06-07 11:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2761	20260103	2h	2010	2025	2	2026-06-04 11:30:00	2026-06-07 11:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2762	20260103	2h	2010	2025	2	2026-06-04 12:00:00	2026-06-07 12:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2763	20260103	2h	2010	2025	2	2026-06-04 12:30:00	2026-06-07 12:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2764	20260103	2h	2010	2025	2	2026-06-04 13:00:00	2026-06-07 13:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2765	20260103	2h	2010	2025	2	2026-06-04 13:30:00	2026-06-07 13:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2766	20260103	2h	2010	2025	2	2026-06-04 14:00:00	2026-06-07 14:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2767	20260103	2h	2010	2025	2	2026-06-04 14:30:00	2026-06-07 14:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2768	20260103	2h	2010	2025	2	2026-06-04 15:00:00	2026-06-07 15:00:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2769	20260103	2h	2010	2025	2	2026-06-04 15:30:00	2026-06-07 15:30:00	1	1202	1561	0.1	1214	1564	2.6	1.6	1561.1
2770	20260103	2h	2010	2025	2	2026-06-04 16:00:00	2026-06-07 16:00:00	1	1202	1561	0.1	1214	1564	2.6



5803	10286.1020	3h	1004	2010	1	2016-11-17 06:00:00	2024-10-27 05:00:00	1	1.0	3.3	0.0	810.0	413.9	1.0	170.4
5803	30286.0005	3h	3010	2010	1	2016-10-17 12:00:00	2024-10-27 11:00:00	1	123.1	123.8	0.1	714.3	625.4	16.8	486.3
5804	30286.0001	3h	2015	2010	2	2016-11-17 14:00:00	2028-10-21 05:00:00	10	218.5	93.6	1.0	596.3	5.5	11.1	0.5
5805	20286.0015	2h	2028	2028	1	2029-10-29 11:00:00	2029-10-29 11:00:00	1	134.6	134.6	0.2	611.7	112.0	1.7	458.4
5806	20286.0016	2h	2025	2025	1	2029-10-29 15:00:00	2029-10-29 15:00:00	10	249.9	125.8	1.1	994.3	2.9	14.4	0.0
5807	20286.0025	2h	2025	2025	1	2028-10-29 08:00:00	2028-10-29 08:00:00	1	46.3	46.3	0.0	511.7	28.1	14.4	0.0
5808	30286.0020	3h	2025	2025	1	2029-10-29 11:00:00	2029-10-29 11:00:00	1	128.1	128.1	0.1	997.5	264.9	8.8	889.4
5809	30286.0025	3h	2025	2025	2	2016-10-19 14:00:00	2028-10-20 00:00:00	9	211.3	194.8	1.1	627.0	3.3	17.8	0.0
5810	30286.0026	3h	2025	2025	2	2016-10-20 10:00:00	2028-10-21 00:00:00	4	50.2	29.7	0.1	497.9	10.0	11.7	0.0
5811	30286.0028	3h	2029	2029	1	2028-10-20 13:00:00	2028-10-20 13:00:00	1	84.7	84.7	0.1	794.5	108.1	7.9	763.1
5812	30286.0005	3h	2028	2028	1	2028-10-20 14:00:00	2028-10-29 14:00:00	10	125.3	125.1	1.1	608.8	1.8	13.1	0.0
5813	20286.0005	2h	2028	2028	1	2028-10-21 09:00:00	2028-10-21 09:00:00	4	45.8	47.0	0.1	485.4	3.9	13.8	0.0
5814	20286.0001	2h	2028	2028	1	2028-10-21 13:00:00	2028-10-21 13:00:00	1	129.1	129.1	0.1	793.2	251.3	1.0	623.9
5815	20286.0020	2h	2028	2028	1	2028-10-21 14:00:00	2028-10-29 14:00:00	10	194.4	94.1	1.4	593.0	2.2	16.1	0.0
5816	20286.0025	2h	2028	2028	1	2028-11-01 10:00:00	2028-11-01 09:00:00	01	105.6	85.0	1.3	536.4	19.2	9.2	0.0
5817	20286.0030	2h	2028	2028	2	2028-11-02 10:00:00	2028-11-03 23:00:00	8	109.2	109.8	1.0	598.4	10.4	1.9	0.0
5818	30286.0023	3h	2028	2028	2	2028-11-03 09:00:00	2028-11-09 09:00:00	5	125.3	81.7	0.8	564.2	84.2	1.9	0.0
5819	30286.0030	3h	2028	2028	2	2028-11-04 10:00:00	2028-11-04 10:00:00	01	176.8	180.7	1.3	935.8	13.8	1.1	0.0
5820	30286.0027	3h	2028	2028	2	2028-12-04 01:00:00	2028-12-04 07:00:00	7	128.2	87.2	0.9	570.5	93.9	2.9	0.0
5821	20286.0025	2h	2028	2028	1	2028-11-04 14:00:00	2028-11-05 05:00:00	11	281.9	99.9	1.1	699.4	14.9	5.8	0.0
5822	20286.0023	2h	2028	2028	2	2028-11-03 09:00:00	2028-11-03 09:00:00	2	61.2	59.5	0.7	466.2	33.4	15.2	0.0
5823	30286.0026	3h	2028	2028	2	2028-11-03 11:00:00	2028-11-03 11:00:00	1	93.1	90.1	0.1	749.6	274.6	1.0	599.1
5824	30286.0030	3h	2028	2027	2	2028-11-05 14:00:00	2028-11-05 15:00:00	7	19.2	101.9	1.9	933.6	17.6	28.0	0.0
5825	30286.0025	3h	2028	2027	2	2028-11-06 01:00:00	2028-11-06 06:00:00	3	46.8	34.1	0.1	477.6	13.6	23.0	0.0
5826	20286.0025	2h	2027	2025	2	2028-11-06 09:00:00	2028-11-06 09:00:00	1	4.8	4.8	0.0	714.0	220.8	17.4	385.6
5827	30286.0025	3h	2025	2025	2	2028-11-06 11:00:00	2028-11-06 11:00:00	1	98.5	98.5	0.0	783.3	324.2	36.3	980.8
5828	20286.0025	2h	2025	2025	2	2028-11-06 13:00:00	2028-11-07 01:00:00	11	162.4	100.6	1.1	644.5	16.2	18.1	0.0
5829	20286.0029	2h	2025	2025	1	2028-11-07 04:00:00	2028-11-07 05:00:00	1	188.9	57.8	0.1	467.4	18.8	3.7	0.0
5830	30286.0019	3h	2025	2025	1	2028-11-07 10:00:00	2028-11-07 10:00:00	1	4.8	4.8	0.0	735.1	206.8	2.0	488.4
5831	20286.0015	2h	2025	2025	1	2028-11-07 12:00:00	2028-11-07 12:00:00	1	98.1	96.1	0.1	747.8	271.1	8.9	579.7
5832	30286.0013	3h	2025	2025	1	2028-11-07 14:00:00	2028-11-08 00:00:00	12	119.1	95.8	1.1	572.0	2.2	12.7	0.0
5833	20286.0023	2h	2025	2025	2	2028-11-08 05:00:00	2028-11-08 06:00:00	2	12.7	11.8	0.1	464.7	13.2	0.1	0.0
5834	20286.0022	2h	2025	2025	1	2028-11-08 10:00:00	2028-11-08 10:00:00	1	128.1	128.1	0.1	884.1	211.8	0.9	595.9
5835	20286.0022	2h	2025	2025	1	2028-11-08 12:00:00	2028-11-08 12:00:00	1	128.1	128.1	0.1	662.5	120.8	0.7	586.9
5836	20286.0020	2h	2025	2025	2	2028-11-08 14:00:00	2028-11-09 00:00:00	9	183.1	186.8	1.0	583.3	5.0	16.7	0.0
5837	20286.0018	2h	2025	2025	1	2028-11-09 10:00:00	2028-11-09 10:00:00	1	128.1	128.1	0.1	574.3	154.1	0.7	615.7
5838	20286.0021	2h	2025	2025	1	2028-11-09 13:00:00	2028-11-09 13:00:00	1	128.1	128.1	0.1	666.1	148.0	0.1	529.3
5839	20286.0025	2h	2025	2025	2	2028-11-09 20:00:00	2028-11-10 00:00:00	4	186.9	114.9	0.1	596.3	3.3	13.9	0.0
5840	20286.0025	2h	2025	2025	2	2028-11-10 09:00:00	2028-11-10 09:00:00	2	21.0	21.0	0.1	492.6	12.4	7.0	0.0
5841	30286.0025	3h	2025	2025	1	2028-11-10 11:00:00	2028-11-10 11:00:00	1	128.1	128.1	0.1	695.9	254.8	1.2	503.8
5842	20286.0025	2h	2025	2025	2	2028-11-10 13:00:00	2028-11-10 13:00:00	60	119.5	112.8	0.1	533.1	15.3	4.2	0.0
5843	30286.0025	3h	2025	2025	2	2028-11-41 05:00:00	2028-11-41 07:00:00	3	79.3	26.6	0.1	543.8	16.7	42.2	0.0
5844	20286.0025	2h	2025	2025	2	2028-11-11 19:00:00	2028-11-12 05:00:00	10	256.7	108.1	1.1	677.9	96.0	45.8	0.0
5845	20286.0025	2h	2025	2025	2	2028-11-12 04:00:00	2028-11-12 06:00:00	3	115.1	93.7	0.2	462.9	4.4	5.8	0.0
5846	20286.0025	2h	2025	2025	2	2028-11-12 11:00:00	2028-11-12 11:00:00	1	98.1	98.1	0.1	781.9	160.7	0.8	434.2
5847	20286.0025	2h	2025	2025	2	2028-11-12 13:00:00	2028-11-13 05:00:00	15	196.5	81.9	1.9	555.6	10.1	12.8	0.0
5848	20286.0029	2h	2025	2025	1	2028-11-13 06:00:00	2028-11-13 08:00:00	1	34.1	34.1	0.0	468.9	476.9	9.5	0.13
5849	20286.0025	2h	2025	2025	1	2028-11-13 11:00:00	2028-11-13 11:00:00	1	154.2	154.1	0.1	886.2	288.4	13.4	477.6
5850	20286.0025	2h	2025	2025	1	2028-11-13 14:00:00	2028-11-14 04:00:00	11	128.8	101.2	1.1	697.4	13.6	13.0	0.0
5851	20286.0025	2h	2025	2025	1	2028-11-14 05:00:00	2028-11-14 05:00:00	1	61.7	61.7	0.0	449.3	12.7	21.4	0.0
5852	20286.0025	2h	2025	2025	1	2028-11-14 06:00:00	2028-11-14 06:00:00	1	128.1	128.1	0.1	677.2	106.3	0.9	510.0
5853	20286.0025	2h	2025	2025	1	2028-11-14 11:00:00	2028-11-14 11:00:00	1	109.9	109.9	0.1	671.1	129.6	1.0	518.8
5854	20286.0025	2h	2025	2025	1	2028-11-14 13:00:00	2028-11-14 13:00:00	1	128.1	128.1	0.1	677.7	158.8	0.7	598.1
5855	20286.0025	2h	2025	2025	1	2028-11-15 10:00:00	2028-11-15 10:00:00	10	121.5	103.7	1.1	786.9	2.2	18.1	0.0
5856	20286.0025	2h	2025	2025	1	2028-11-15 11:00:00	2028-11-15 11:00:00	1	128.1	128.1	0.1	532.4	92.2	0.2	503.5
5857	20286.0025	2h	2025	2025	1	2028-11-15 12:00:00	2028-11-15 12:00:00	1	122.9	122.9	0.1	721.2	98.8	0.4	574.7
5858	20286.0025	2h	2025	2025	1	2028-11-15 15:00:00	2028-11-17 09:00:00	13	124.2	126.2	1.1	890.0	1.9	0.0	0.0
5859	20286.0025	2h	2025	2025	1	2028-11-17 07:00:00	2028-11-17 07:00:00	1	128.1	128.1	0.1	656.0	21.68	0.6	545.8
5860	20286.0025	2h	2025	2025	1	2028-11-17 14:00:00	2028-11-18 00:00:00	11	179.1	202.3	1.1	638.6	11.2	13.8	0.0
5861	20286.0025	2h	2025	2025	1	2028-11-18 04:00:00	2028-11-18 10:00:00	2	146.6	146.2	1.1	642.9	10.1	23.0	0.0
5862	20286.0025	2h	2025	2025	1	2028-11-18 14:00:00	2028-11-18 15:00:00	1	128.8	128.8	0.1	684.1	227.2	0.0	483.2
5863	20286.0025	2h	2025	2025	1	2028-11-18 17:00:00	2028-11-19 00:00:00	13	181.1	144.6	1.1	626.0	11.0	21.7	0.0
5864	20286.0025	2h	2025	2025	1	2028-11-20 05:00:00	2028-11-20 05:00:00	1	3.5	3.5	0.0	440.4	19.1	10.0	0.0
5865	20286.0025	2h	2025	2025	1	2028-11-20 10:00:00	2028-11-20 10:00:00	1	134.6	134.6	0.1	653.1	260.4	4.7	500.1
5866	30286.0025	3h	2025	2025	1	2028-11-20 12:00:00	2028-11-20 14:00:00	1	6.7	6.7	0.0	466.7	108.7	17.0	0.0
5867	30286.0025	3h	2025	2025	2	2028-11-20 14:00:00	2028-11-28 09:00:00	31	174.8	102.8	1.1	622.0	11.3	28.4	0.0
5868	20286.0025	2h	2025	2025	1	2028-11-21 10:00:00	2028-11-21 10:00:00	1	134.6	134.6	0.1	678.1	242.7	9.6	483.3
5869	30286.0025	3h	2025	2025	2	2028-11-21 13:00:00	2028-11-22 05:00:00	10	181.3	99.4	1.7	646.5	72.5	38.4	0.0
5870	30286.0025	3h	2025	2025	2	2028-11-22 09:00:00	2028-11-22 09:00:00	1	20.1	20.1	0.2	650.0	128.9	13.2	526.5
5871	30286.0025	3h	2025	2025	2	2028-11-22 11:00:00	2028-11-22 11:00:00	1	134.6	134.6	0.1	649.3	102.8	5.2	452.4
5872	30286.0025	3h	2025	2025	1	2028-11-22 14:00:00	2028-11-23 00:00:00	17	181.6	98.8	1.7	624.3	14.1	23.2	0.0
5873	20286.0025	2h	2025	2025	1	2028-11-23 09:00:00	2028-11-23 09:00:00	1	33.6	33.6	0.0	557.4	168.1	17.7	396.8
5874	30286.0025	3h	2025	2025	2	2028-11-23 12:00:00	2028-11-24 05:00:00	19	194.0	93.7	1.8	626.5	41.6	29.0	0.0
5875	20286.0025	2h	2025	2025	1	2028-11-24 10:00:00	2028-11-24 10:00:00	1	68.7	68.7	0.1	628.3	176.1	6.1	317.1
5876	20286.0025	2h	2025	2025	1	2028-11-24 12:00:00	2028-11-24 13:00:00	1	134.0	135.0	0.1	678.1	103.3	4.1	444.7
5877	30286.0025	3h	2025	2025	2	2028-11-24 14:00:00	2028-11-25 00:00:00	11	174.8	90.7	1.8	653.3	17.8	23.8	0.0
5878	20286.0025	2h	2025	2025	1	2028-11-25 11:00:00	2028-11-25 11:00:00	1	123.1	123.3	0.1	654.7	274.6	9.7	570.4
5879	30286.0025	3h	2025	2025	2	2028-11-25 13:00:00	2028-11-26 05:00:00	65	141.2	100.5	1.1	653.7	1.9	13.4	0.0
5880	30286.0025	3h	2025	2025	2	2028-11-26 06:00:00	2028-11-26 06:00:00	1	15.6	15.0	0.1	454.6	7.8	10.1	0.0
5881	30286.0025	3h	2025	2025	2	2028-11-26 09:00:00	2028-11-26 09:00:00	1	167.8	172.8	0.1	642.4	205.3	0.7	403.6
5882	20286.0025	2h	2025	2025	2	2028-11-26 13:00:00	2028-11-27 06:00:00	17	171.9	93.0	1.1	582.3	10.2	1.1	0.0
5883	20286.0025	2h	2025	2025	2	2028-11-27 08:00:00	2028-11-27 09:00:00	1	13.9	14.6	0.0	446.6	180.0	1.8	329.6
5884	30286.0025	3h	2025	2025	2	2028-11-27 11:00:00	2028-11-27 11:00:00	1	134.0	134.0	0.1	653.1	244.3	4.7	536.1
5885	20286.0025	2h	2025	2025	2	2028-11-27 14:00:00	2028-11-28 00:00:00	11	196.0	101.7	1.1	634.7	25.2	10.8	0.0
5886	20286.0025	2h	2025	2025	1	2028-11-28 09:00:00	2028-11-28 09:00:00	1	18.2	19.2	0.0	448.6	8.6	21.0	0.0
5887	20286.0025	2h	2025	2025	1	2028-11-28 09:00:00	2028-11-28 09:00:00	1	128.1	128.1	0.1	697.1	21.68	1.0	501.3
5888	30286.0025	3h	2025	2025	2	2028-11-28 14:00:00	2028-11-29 00:00:00	11	181.3	107.4	1.1	628.3	11.7	23.6	0.0
5889	20286.0025	2h	2025	2025	2	2028-11-29 09:00:00	2028-11-29 09:00:00	1	77.2	77.2	0.1	552.4	179.0	17.0	451.2
5890	30286.0025	3h	2025	2025	2	2028-11-29 13:00:00	2028-11-29 11:00:00	1	128.1	128.1	0.1	603.5	101.9	1.6	509.1
5891	20286.0025	2h	2025	2025	2	2028-11-29 14:00:00	2028-11-29 20:00:00	10	171.9	108.8	1.1	608.0	14.8	23.3	0.0
5892	20286.0025	2h	2025	2025	2	2028-11-30 09:00:00	2028-11-30 09:00:00	1	128.1	128.1	0.1	598.0	183.9	4.3	458.3
5893	20286.0025	2h	2025	2025	2	2028-11-30 11:00:00	2028-11-30 11:00:00	1	177.1	177.1	0.1	570.9	184.8	24.8	453.6
5894	20286.0025	2h	2025	2025	2	2028-11-30 14:00:00	2028-11-30 20:00:00	10	180.8	109.4	1.1	569.2	15.5	34.8	0.0
5895	20286.0025	2h	2025	2025	2	2028-12-01 05:00:00	2028-12-01 07:00:00	3	127.4	98.2	0.1	559.5	34.6	41.8	0.0
5896	20286.0025	2h	2025	2025	2	2028-12-01 11:00:00	2028-12-01 11:00:00	1	134.0	134.0	0.1	653.1	253.9	5.1	518.1
5897	20286.0025	2h	2025	2025	2	2028-12-01 13:00:00	2028-12-02 00:00:00	10	176.7	109.3	1.1	599.4	38.0	34.0	0.0
5898	20286.0025	2h	2025	2025	2	2028-12-02 07:00:00	2028-12-02 07:00:00	2	128.1	91.2	0.1	564.8	47.4	36.0	0.0
5899	20286.0025	2h	2025	2025	2	2028-12-02 11:00:00	2028-12-02 11:00:00	1	124.0	124.0	0.1	684.3	266.1	1.1	426.8
5900	20286.0025	2h	2025	2025	2	2028-12-02 13:00:00	2028-12-03 01:00:00	11	134.0	108.5	1.1	654.0	20.9	0.0	0.0
5901	20286.0025	2h	2025	2025	2	2028-12-03 04:00:00	2028-12-03 07:00:00	4	110.0	88.2	0.2	488.9	14.0	0.0	0.0
5902	30286.0025	3h	2025	2025	2	2028-12-03 15:00:00	2028-12-03 15:00:00	69	120.4	100.7	1.1	593.6	27.7	18.0	0.0
5903	20286.0025	2h	2025	2025	2	2028-12-04 03:00:00	2028-12-04 07:00:00	5	120.6	94.8	0.8	547.5	26.3	19.8	0.0
5904	20286.0025	2h	2025	2025	2	2028-12-04 11:00:00	2028-12-04 11:00:00	11	187.0	105.4	1.7	664.6	23.6	41.8	0.0
5905	20286.0025	2h	2025	2025	2	2028-12-05 06:00:00	2028-12-05 07:00:00	2	98.1	46.5	0.1	592.3	38.3	39.7	0.0
5906	20286.0025	2h	2025	2025	2	2028-12-05 11:00:00	2028-12-05 11:00:00	1	61.8	67.3	0.0	657.8	219.0	13.8	396.7
5907	20286.0025	2h	2025	2025	2	2028-12-05 15:00:00	2028-12-06 01:00:00	11	171.9	102.7	1.2	630.0	23.2	45.0	0.0
5908	30286.0025	3h	2025	2025	2	2028-12-06 05:00:00	2028-12-06 06:00:00	1	98.1	93.5	0.1	624.0	0.6	3.9	0.0
5909	20286.0025	2h	2025	2025	2	2028-12-06 11:00:00	2028-12-06 11:00:00	1	98.1	96.1	0.1	703.7	205.2	2.6	463.2
5910	30286.0030	3h	2025	2025	2	2028-12-06 13:00:00	2028-12-07 00:00:00	10	169.9	106.9	1.1	655.9	14.6	31.5	0.0
5911	20286.0025	2h	2025	2025	2	2028-12-07 00:00:00	2028-12-07 00:00:00	1	128.1	128.1	0.1	676.7	177.0	19.7	512.7
5912	20286.0025	2h	2025	2025	2	2028-12-07 10:00:00	2028-12-08 01:00:00	11	159.0	90.9	1.1	697.9	7.5	10.9	0.0
5913	20286.0025	2h	2025	2025	2	2028-12-08 05:00:00	2028-12-08 09:00:00	5	120.5	106.9	0.8	624.6	46.4	8.2	0.0
5914	20286.0025	2h	2025	2025	2	2028-12-08 12:00:00	2028-12-08 12:00:00	1	182.1	180.3	1.1	775.9	46.9	13.9	0.0
5915	20286.0025	2h	2025	2025	2	2028-12-08 15:00:00	2028-12-08 15:00:00	4	220.6	140.9	0.6	615.1	26.7	14.0	0.0
5916	20286.0025	2h	2025	2025	2	2028-12-08 18:00:00	2028-12-09 06:00:00	10	184.8	106.7	1.1	597.7	17.6	46.0	0.0
5917	20286.0025	2h	2025	2025	2	2028-12-09 10:00:00	2028-12-09 10:00:00	1	5.0	5.0	0.0	627.0	0.0	23.0	0.0
5918	20286.0025	2h	2025	2025	2	2028-12-09 11:00:00	2028-12-09 11:00:00	1	126.2	96.1	0.1	726.6	20.4	18.3	0.0
5919	20286.0025	2h	2025	2025	2	2028-12-09 14:00:00	2028-12-10 00:00:00	10	178.3	100.3	1.0	662.0	20.8	31.7	0.0
5920	20286.0025	2h	2025	2025	2	2028-12-10 06:00:00	2028-12-10 07:00:00	1	184.9	94.9	0.1	713.7	113.2	17.0	0.0
5921	20286.0025	2h	2025	2025	2	2028-12-10 11:00:00	2028-12-10 11:00:00	1	177.7	186.4	1.0	692.3	11.0	13.0	0.0
5922	20286.0025	2h	2025	2025	2	2028-12-10 13:00:00	2028-12-11 00:00:00	11	181.4	99.5	0.2	674.5	24.4	29.0	0.0
5923	20286.0025	2h	2025	2025	2	2028-12-12 10:00:00	2028-12-12 10:00:00	18	177.3	92.1	1.0	633.0	10.1	10.8	0.0
5924	20286.0025	2h	2025	2025	2	2028-12-12 11:00:00	2028-12-12 11:00:00	17	172.9	84.2	1.0	609.8	10.7	14.0	0.0
5925	20286.0025	2h	2025	2025	2	2028-12-12 12:00:00	2028-12-13 04:00:00	7	134.0	134.8	0.1	745.5	109.0	0.4	537.0
5926	20286.0025	2h	2025	2025	2	2028-12-13 06:00:00	2028-12-13 07:00:00	17	201.3	91.9	1.0	699.2	19.2	6.0	0.0
5927	20286.0025	2h	2025	2025	2	2028-12-13 11:00:00	2028-12-13 11:00:00	1	128.1	128.1	0.1	625.7	165.8	17.9	468.9
5928	20286.0025	2h	2025	2025	2	2028-12-13 13:00:00	2028-12-13 13:00:00	1	186.3	186.3	1.0	621.4	10.4	27.3	0.0
5929	20286.0025	2h	2025	2025	2	2028-12-13 15:00:00	2028-12-14 01:00:00	1	8.0	8.0	0.0	604.6	0.0	14.0	0.0
5930	20286.0025	2h	2025	2025	2	2028-12-14 01:00:00	2028-12-14 01:00:00	1	146.2	88.4	0.1	637.1	20.9	44.0	0.0
5931	20286.0025	2h	2025	2025	2	2028-12-14 06:00:00	2028-12-14 06:00:00	1	128.1	128.1	0.1	722.8	260.1	19.6	0.0
5932	20286.0025	2h	2025	2025	2	2028-12-14 11:00:00	2028-12-14 11:00:00	1	134.0	134.0	0.1	653.1	253.9	5.1	518.1
5933	20286.0025	2h	2025	2025	2	2028-12-14 13:00:00	2028-12-15 01:00:00	11	134.0	108.5	1.1	654.0	20.9	0.0	0.0
5934	20286.0025	2h	2025	2025	2	2028-12-15 04:00:00	2028-12-15 04:00:00	1	128.1	128.1	0.1	676.7	177.0	19.7	512.7
5935	20286.0025	2h	2025	2025	2	2028-12-15 06:00:00	2028-12-15 07:00:00	4	174.5	98.2	0.8	639.8	17.6	19.7	0.0
5936	20286.0025	2h	2025	2025	2	2028-12-15 11:00:00	2028-12-15 11:00:00	13	220.0	96.2	1.8	648.1	12.3	43.0	0.0
5937	20286.0025	2h	2025	2025	2	2028-12-15 12:00:00	2028-12-15 13:00:00	1	187.2	187.2	0.1	698.1	202.4	7.5	492.2
5938	20286.0025	2h	2025	2025	2	2028-12-15 13:00:00	2028-12-15 13:00:00	17	194.8	96.0	1.7	674.3	16.9	31.7	0.0
5939	20286.0025	2h	2025	2025	2	2028-12-15 15:00:00	2028-12-15 15:00:00	1	123.1	123.1	0.1	721.9	215.3	1.0	528.1
5940	20286.0025	2h	2025	2025	2	2028-12-15 16:00:00	2028-12-15 16:00:00	1	128.7	128.7	0.1	680.6	20.4	2.1	448.9
5941	20286.0025	2h	2025	2025	2	2028-12-15 17:00:00	2028-12-15 17:00:00	13	185.3	105.8	1.2	683.1	21.1	7.4	0.0
5942	20286.0025	2h	2025	2025	2	2028-12-15 21:00:00	2028-12-15 21:00:00	7	115.2	74.6	0.2	482.7	26.2	15.2	0.0
5943	20286.0025	2h	2025	2025	2	2028-12-15 22:00:00	2028-12-15 22:00:00	1	110.0	101.6	0.1	649.8	114.7	26.7	488.4
5944	20286.0025	2h	2025	2025	2	2028-12-15 23:00:00	2028-12-15 23:00:00	1	97.9	97.9	0.1	696.9	114.7	47.1	488.4
5945	20286.0025	2h	2025	2025	2	2028-12-16 14:00:00	2028-12-16 15:00:00	10	184.0	100.1	1.1	697.8	1.9	24.8	0.0
5946	20286.0029	2h	2025	2025	2	2028-12-16 16:00:00	2028-12-16 16:00:00	9	179.8	109.9	0.5	628.6	12.6	49.1	0.0
5947	20286.0025	2h	2025	2025	2	2028-12-16 21:00:00	2028-12-16 21:00:00	8	97.2	97.2	0.0	730.0	178.2	89.7	0.0
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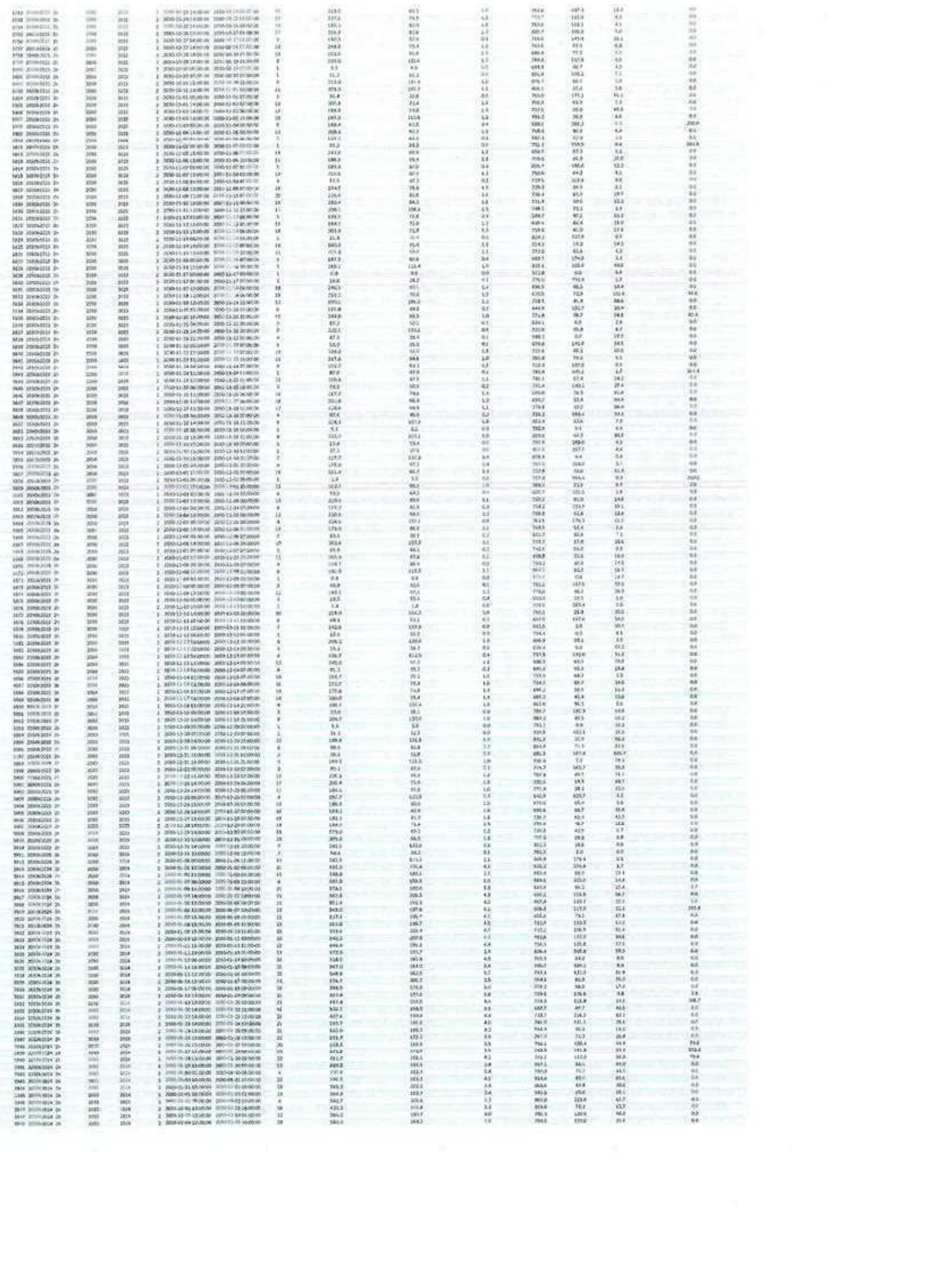
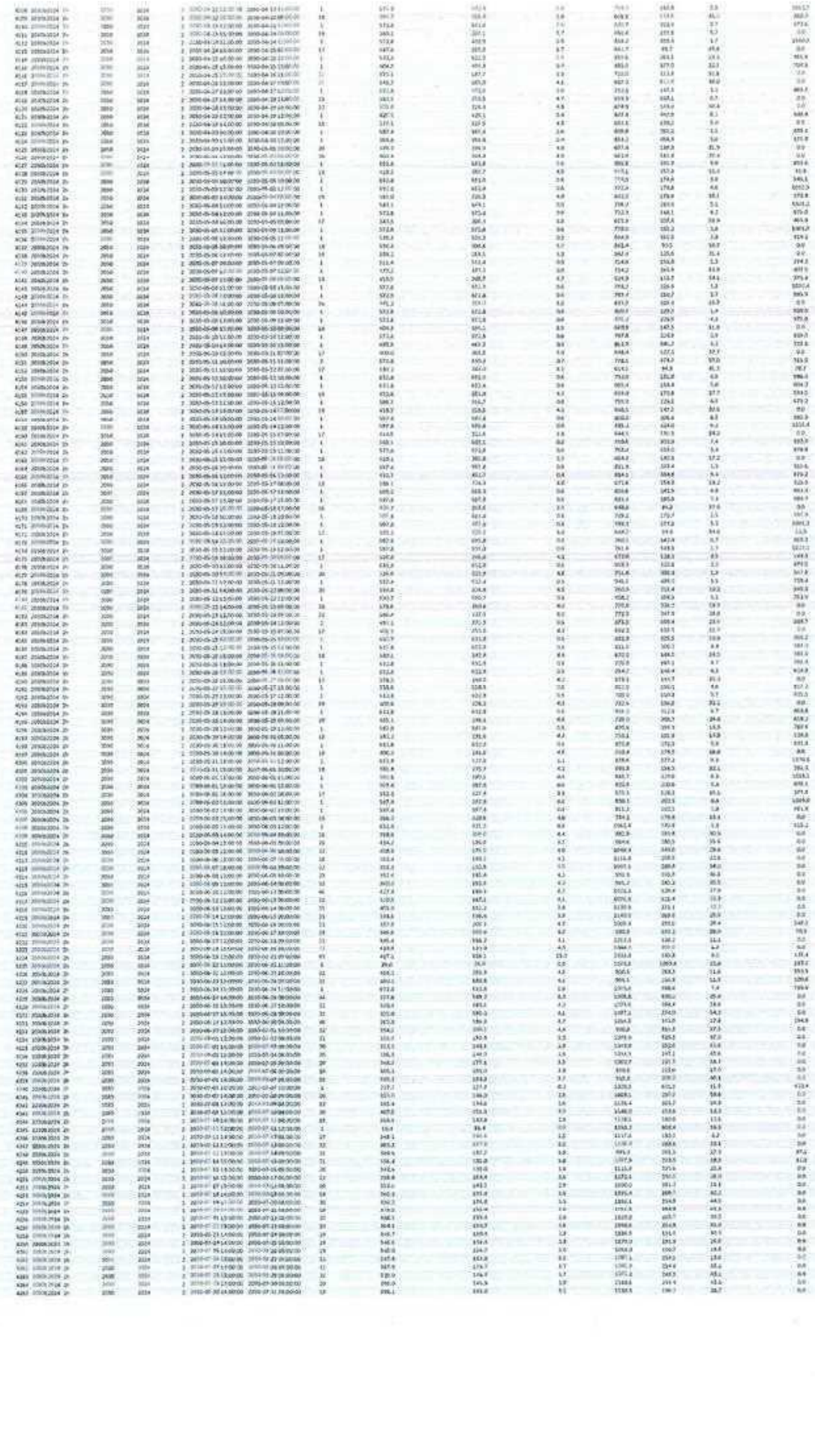
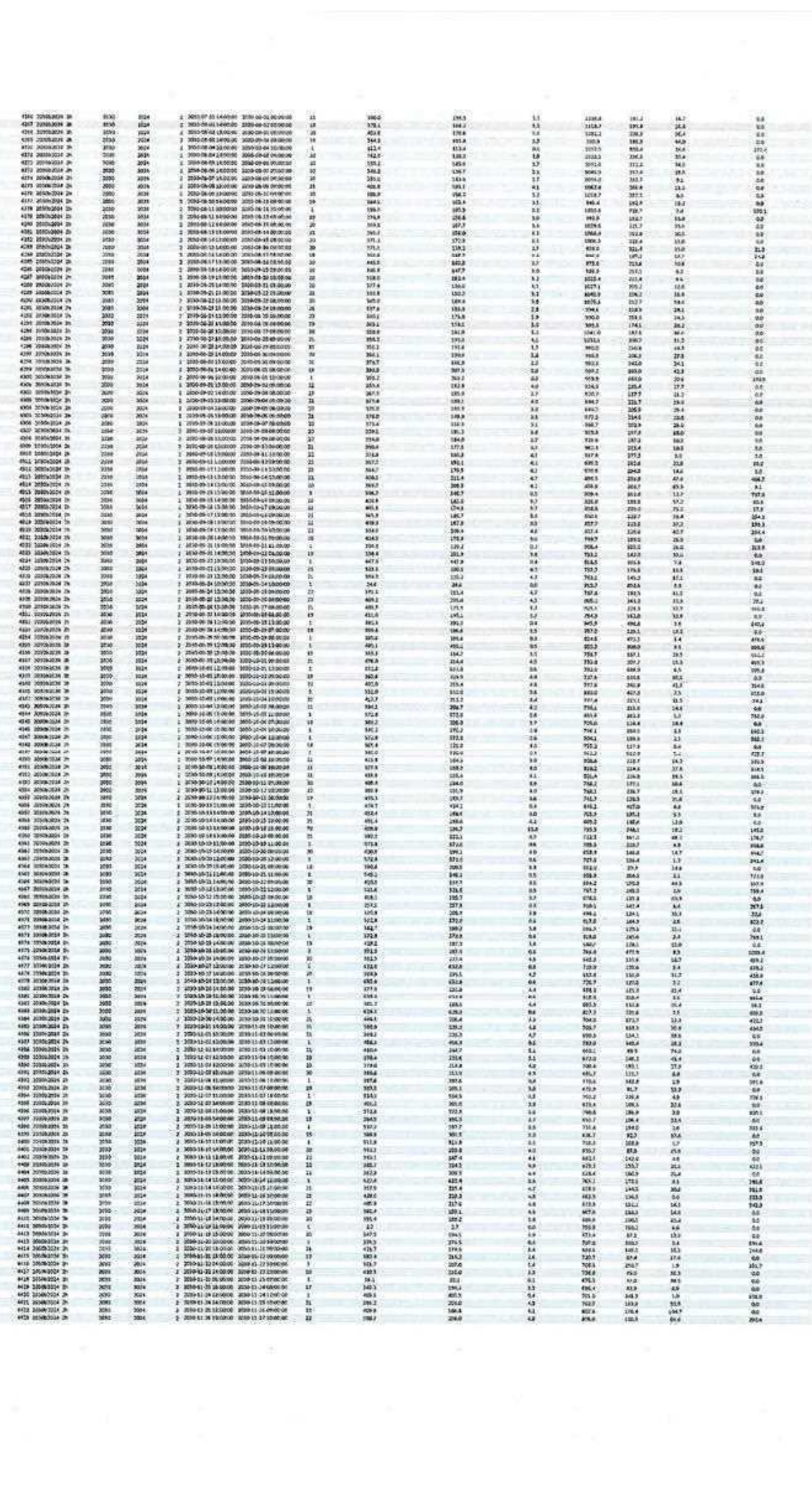
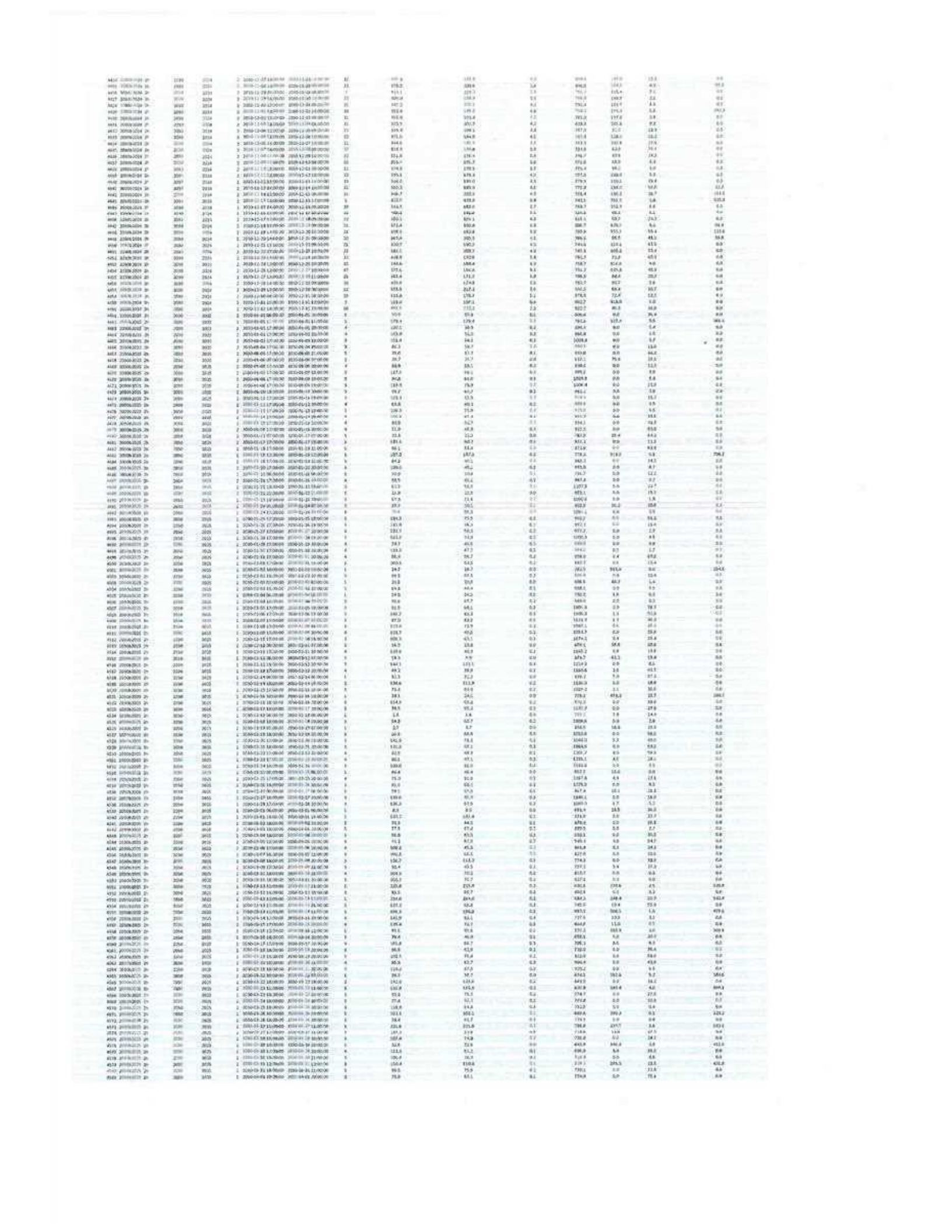
3646	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3647	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3648	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3649	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3650	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3651	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3652	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3653	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3654	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3655	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3656	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3657	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3791	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



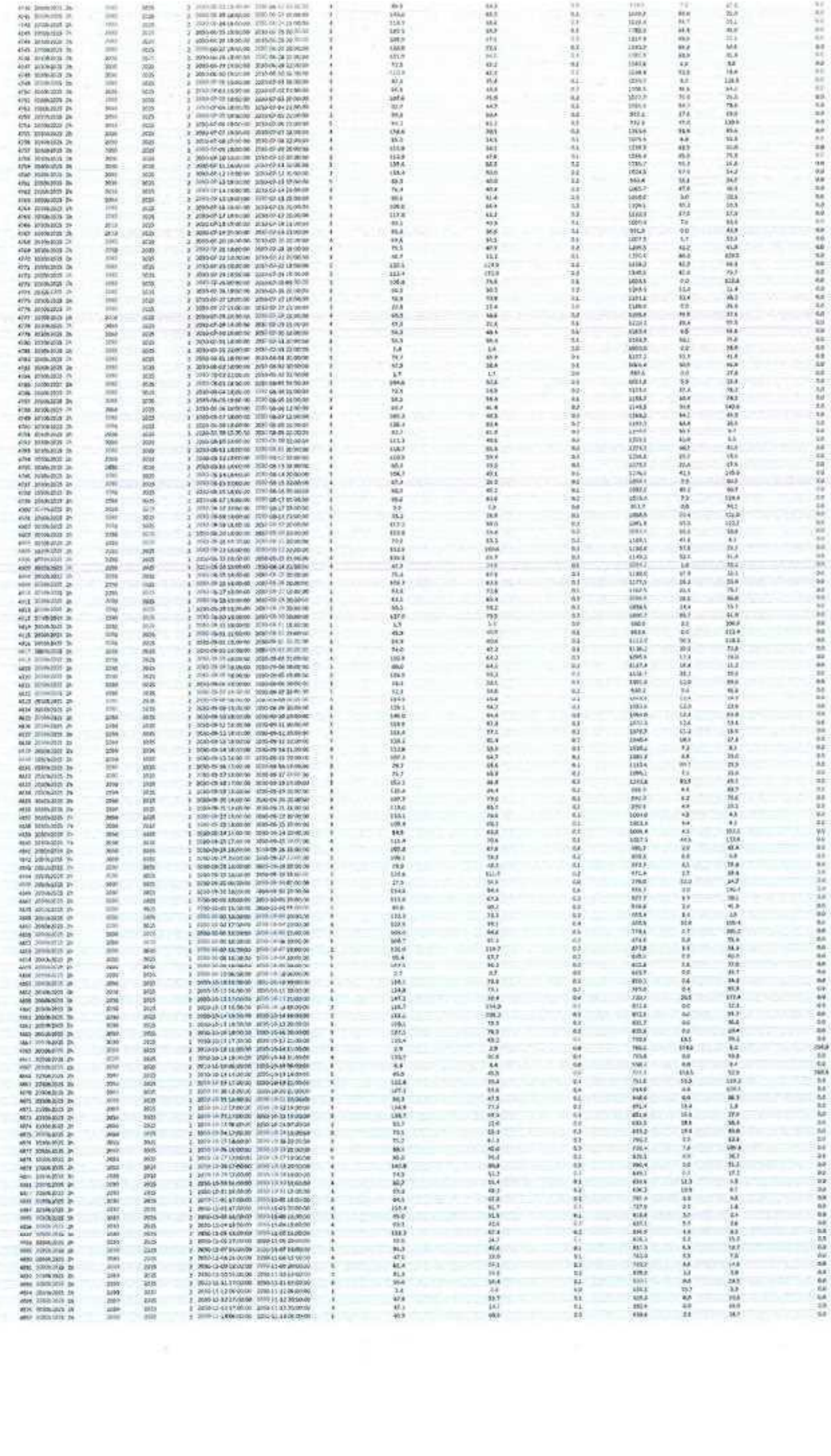
3950	2050to2024 2h	2050	2024	2	2050-02-05 12:00:00	2050-02-06 09:00:00	21	776.7	189.4	4.1	818.9	184.3	98.1	0.0
3951	2050to2024 2h	2050	2024	1	2050-02-06 12:00:00	2050-02-06 13:00:00	1	686.8	686.8	0.4	806.2	381.3	4.7	675.8
3952	2050to2024 2h	2050	2024	2	2050-02-06 19:00:00	2050-02-07 10:00:00	16	197.2	191.7	3.8	778.8	157.6	20.3	0.0
3953	2050to2024 2h	2050	2024	2	2050-02-07 14:00:00	2050-02-09 11:00:00	11	995.1	196.4	4.4	780.0	214.0	4.7	0.0
3954	2050to2024 2h	2050	2024	2	2050-02-08 17:00:00	2050-02-09 08:00:00	11	315.0	196.8	4.2	969.3	107.3	3.0	0.0
3955	2050to2024 2h	2050	2024	2	2050-02-09 12:00:00	[illegible]	23	366.3	395.3	4.4	368.5	124.8	5.1	0.0
3956	2050to2024 2h	2050	2024	2	2050-02-10 12:00:00	[illegible]	21	851.6	222.7	5.1	697.5	671.1	4.5	539.4
3957	2050to2024 2h	2050	2024	2	2050-02-11 14:00:00	2050-02-12 10:00:00	21	545.6	397.5	4.8	494.9	89.3	31.8	0.0
3958	2050to2024 2h	2050	2024	2	2050-02-12 14:00:00	2050-02-14 10:00:00	45	575.9	179.9	5.1	365.0	73.1	55.7	0.0
3959	2050to2024 2h	2050	2024	2	2050-02-14 16:00:00	2050-02-15 16:00:00	19	355.7	156.9	8.0	759.2	71.4	81.7	0.0
3960	2050to2024 2h	2050	2024	1	2050-02-15 21:00:00	2050-02-16 09:00:00	11	554.1	181.8	4.2	827.7	51.8	26.7	0.0
3961	2050to2024 2h	2050	2024	1	2050-02-16 19:00:00	2050-02-17 09:00:00	21	408.8	185.0	4.2	756.4	108.7	64.1	0.0
3962	2050to2024 2h	2050	2024	1	2050-02-17 12:00:00	2050-02-17 13:00:00	1	279.0	279.0	7.9	772.7	488.4	4.8	167.4
3963	2050to2024 2h	2050	2024	1	2050-02-17 14:00:00	2050-02-18 08:00:00	18	400.8	188.2	5.9	721.0	85.5	29.6	0.0
3964	2050to2024 2h	2050	2024	1	2050-02-18 21:00:00	2050-02-19 08:00:00	11	395.6	198.8	4.9	756.1	155.8	18.3	0.0
3965	2050to2024 2h	2050	2024	1	2050-02-19 02:00:00	2050-02-19 12:00:00	9	572.8	572.6	5.6	782.7	207.8	5.4	435.4
3966	2050to2024 2h	2050	2024	1	2050-02-19 15:00:00	2050-02-20 09:00:00	13	376.8	193.0	5.6	756.6	171.8	8.1	0.0
3967	2050to2024 2h	2050	2024	2	2050-02-20 12:00:00	2050-02-20 17:00:00	8	450.4	458.4	0.5	783.8	546.7	2.2	346.9
3968	2050to2024 2h	2050	2024	2	2050-02-20 14:00:00	[illegible]	19	466.1	513.4	0.6	761.5	516.8	4.4	457.4
3969	2050to2024 2h	2050	2024	2	2050-02-21 17:00:00	[illegible]	18	461.6	606.7	4.3	747.4	100.2	8.4	0.0
3970	2050to2024 2h	2050	2024	2	2050-02-22 11:00:00	[illegible]	1	875.7	518.8	0.5	377.3	756.7	1.0	475.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



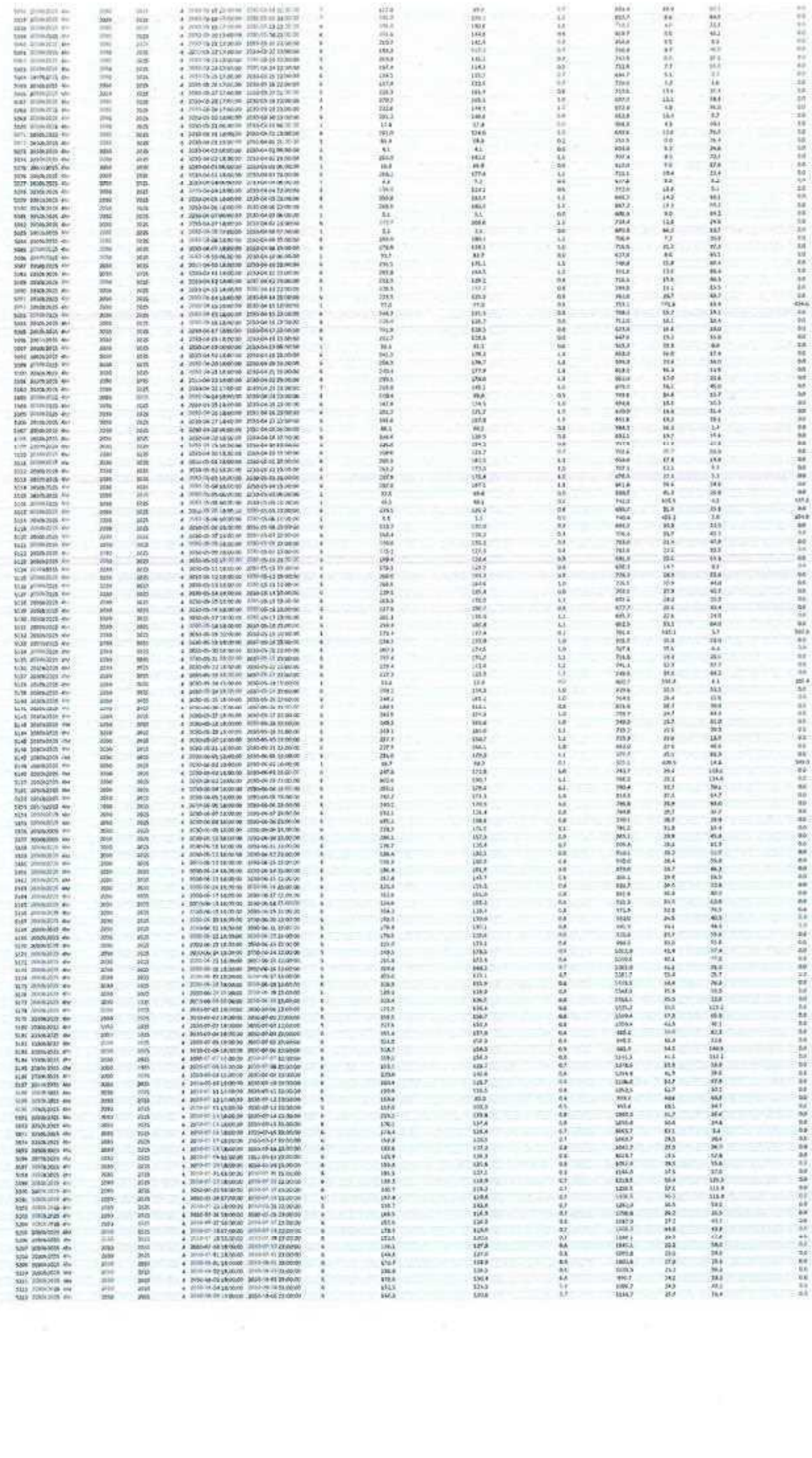




4543	2008/08/2025	2h	2259	2333	1	2050-08-02 13:00:00	2059-08-03 13:00:00	1	280.8	290.8	0.3	719.8	1364	15.6	1660.8
4562	2008/08/2025	2h	2259	2333	2	2050-08-02 13:00:00	2059-08-03 23:00:00	9	149.2	80.8	0.3	764.3	13.4	19.2	0.0
4564	2008/08/2025	2h	2260	2333	2	2050-08-03 18:00:00	2059-08-03 20:00:00	9	280.9	35.2	0.1	776.6	20.8	19.3	0.0
4565	2008/08/2025	2h	2569	2638	1	2060-08-04 04:00:00	2060-08-04 06:00:00	1	7.2	7.2	0.0	427.8	5.5	9.2	0.0
4566	2008/08/2025	2h	2569	2642	2	2060-08-04 18:00:00	2060-08-04 21:00:00	4	34.5	40.2	0.2	773.2	17.2	9.2	0.0
4567	2008/08/2025	2h	2595	2642	2	2060-08-05 23:00:00	2060-08-05 23:00:00	1	146.5	146.5	0.2	450.6	115.2	15.6	1197.6
4568	2008/08/2025	2h	2595	2598	2	2060-08-05 14:00:00	2060-08-05 23:00:00	9	117.7	74.8	0.4	764.5	17.2	19.3	0.0
4569	2008/08/2025	2h	2600	2642	2	2060-08-06 06:00:00	2060-08-06 06:00:00	1	0.0	20.5	0.0	768.8	5.2	0.0	0.0
4570	2008/08/2025	2h	2599	2603	2	2060-08-06 18:00:00	2060-08-06 23:00:00	5	58.2	41.9	0.2	695.2	15.0	7.5	0.0
4571	2008/08/2025	2h	2643	2698	2	2060-08-07 18:00:00	2060-08-07 21:00:00	3	142.5	78.7	0.3	774.6	19.2	13.4	0.0
4592	2008/08/2025	2h	2698	2698	2	2060-08-08 07:00:00	2060-08-08 23:00:00	8	46.8	46.4	0.0	670.8	11.5	12.7	0.0
4593	2008/08/2025	2h	2698	2698	3	2060-08-08 16:00:00	2060-08-08 16:00:00	1	4.7	4.7	0.0	705.7	670.4	4.2	340.2
4594	2008/08/2025	2h	2698	2698	3	2060-08-08 18:00:00	2060-08-08 20:00:00	3	152.9	96.8	0.3	768.8	15.4	10.6	0.0
4595	2008/08/2025	2h	2698	2698	3	2060-08-08 21:00:00	2060-08-08 21:00:00	1	23.8	23.8	0.1	668.2	186.4	6.2	828.8
4596	2008/08/2025	2h	2698	2698	3	2060-08-09 13:00:00	2060-08-09 21:00:00	5	193.5	93.2	0.3	771.1	15.7	14.1	0.0
4597	2008/08/2025	2h	2698	2698	3	2060-08-10 11:00:00	2060-08-10 11:00:00	1	139.5	139.5	0.3	769.1	123.8	18.2	958.3
4598	2008/08/2025	2h	2698	2698	3	2060-08-10 18:00:00	2060-08-10 21:00:00	3	156.3	107.8	0.3	813.2	0.0	18.2	0.0
4599	2008/08/2025	2h	2698	2698	3	2060-08-11 12:00:00	2060-08-11 13:00:00	1	246.8	226.6	0.3	713.7	123.6	15.1	933.7
4600	2008/08/2025	2h	2698	2698	3	2060-08-11 18:00:00	2060-08-11 21:00:00	3	148.9	94.2	0.3	824.4	0.0	530.2	0.0
4641	2008/08/2025	2h	2698	2698	3	2060-08-12 13:00:00	2060-08-12 13:00:00	1	260.8	209.8	0.3	693.5	124.9	3.8	1230.0
4642	2008/08/2025	2h	2698	2698	3	2060-08-13 13:00:00	2060-08-13 21:00:00	9	58.8	48.6	0.1	777.4	0.0	48.8	0.0
4643	2008/08/2025	2h	2698	2698	4	2060-08-14 18:00:00	2060-08-14 19:00:00	1	194.7	70.1	0.2	616.0	0.0	0.0	0.0
4644	2008/08/2025	2h	2698	2698	3	2060-08-14 19:00:00	2060-08-14 19:00:00	1	191.2	191.2	0.2	722.5	146.5	9.1	960.8
4645	2008/08/2025	2h	2698	2698	3	2060-08-15 18:00:00	2060-08-16 22:00:00	4	138.7	88.0	0.3	766.3	0.0	48.1	0.0
4646	2008/08/2025	2h	2698	2698	3	2060-08-16 17:00:00	2060-08-16 18:00:00	1	123.8	123.8	0.1	755.1	107.1	13.6	599.0
4647	2008/08/2025	2h	2698	2698	3	2060-08-16 13:00:00	2060-08-16 13:00:00	1	271.2	271.2	0.3	726.9	180.0	7.5	740.5
4648	2008/08/2025	2h	2698	2698	3	2060-08-16 13:00:00	2060-08-16 21:00:00	9	144.7	90.9	0.3	770.6	0.0	45.8	0.0
4649	2008/08/2025	2h	2698	2698	3	2060-08-16 13:00:00	2060-08-16 13:00:00	1	264.9	264.9	0.3	744.1	193.8	7.7	713.3
4650	2008/08/2025	2h	2698	2698	3	2060-08-16 13:00:00	2060-08-16 21:00:00	9	159.6	84.7	0.3	765.6	1.6	39.8	0.0
4651	2008/08/2025	2h	2698	2698	3	2060-08-17 13:00:00	2060-08-17 13:00:00	1	193.8	193.8	0.6	796.8	168.4	3.3	748.1
4652	2008/08/2025	2h	2698	2698	3	2060-08-17 18:00:00	2060-08-17 18:00:00	1	198.1	89.8	0.4	715.2	25.2	12.1	0.0
4653	2008/08/2025	2h	2698	2698	3	2060-08-18 13:00:00	2060-08-18 13:00:00	1	261.8	167.3	0.3	679.2	120.7	0.0	886.5
4654	2008/08/2025	2h	2698	2698	3	2060-08-18 18:00:00	2060-08-18 21:00:00	4	139.0	108.8	0.4	674.6	78.8	25.9	0.0
4655	2008/08/2025	2h	2698	2698	3	2060-08-19 00:00:00	2060-08-19 00:00:00	1	71.1	71.1	0.0	815.8	33.8	0.0	0.0
4656	2008/08/2025	2h	2698	2698	3	2060-08-19 13:00:00	2060-08-19 15:00:00	3	217.2	117.5	0.2	692.2	144.2	5.5	720.9
4657	2008/08/2025	2h	2698	2698	3	2060-08-19 18:00:00	2060-08-19 22:00:00	5	30.7	45.1	0.1	682.5	69.2	28.3	0.0
4658	2008/08/2025	2h	2698	2698	3	2060-08-20 13:00:00	2060-08-20 13:00:00	1	217.9	217.9	0.3	734.1	65.0	0.2	740.2
4659	2008/08/2025	2h	2698	2698	3	2060-08-20 18:00:00	2060-08-20 23:00:00	4	203.9	94.5	0.2	650.6	1.0	20.2	0.0
4660	2008/08/2025	2h	2698	2698	3	2060-08-21 13:00:00	2060-08-21 13:00:00	1	271.2	271.2	0.1	729.5	106.2	9.9	764.9
4661	2008/08/2025	2h	2698	2698	3	2060-08-21 18:00:00	2060-08-21 23:00:00	5	99.1	63.8	0.2	636.4	34.8	19.8	0.0
4662	2008/08/2025	2h	2698	2698	3	2060-08-22 13:00:00	2060-08-22 13:00:00	1	217.9	217.9	0.3	693.4	137.6	0.0	961.4
4663	2008/08/2025	2h	2698	2698	3	2060-08-22 18:00:00	2060-08-22 21:00:00	4	108.7	64.8	0.2	618.5	8.4	24.0	0.0
4664	2008/08/2025	2h	2698	2698	3	2060-08-23 13:00:00	2060-08-23 13:00:00	1	146.1	146.1	0.2	693.5	124.5	3.8	713.7
4665	2008/08/2025	2h	2698	2698	3	2060-08-23 18:00:00	2060-08-23 21:00:00	3	76.6	76.6	0.3	743.3	1.0	14.0	0.0
4666	2008/08/2025	2h	2698	2698	3	2060-08-24 13:00:00	2060-08-24 13:00:00	1	194.8	194.8	0.2	744.5	148.0	7.7	644.4
4667	2008/08/2025	2h	2698	2698	3	2060-08-24 18:00:00	2060-08-24 20:00:00	3	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4668	2008/08/2025	2h	2698	2698	3	2060-08-25 13:00:00	2060-08-25 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4669	2008/08/2025	2h	2698	2698	3	2060-08-25 18:00:00	2060-08-25 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4670	2008/08/2025	2h	2698	2698	3	2060-08-26 13:00:00	2060-08-26 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4671	2008/08/2025	2h	2698	2698	3	2060-08-26 18:00:00	2060-08-26 21:00:00	3	76.6	76.6	0.3	743.3	1.0	14.0	0.0
4672	2008/08/2025	2h	2698	2698	3	2060-08-27 13:00:00	2060-08-27 13:00:00	1	194.8	194.8	0.2	744.5	148.0	7.7	644.4
4673	2008/08/2025	2h	2698	2698	3	2060-08-27 18:00:00	2060-08-27 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4674	2008/08/2025	2h	2698	2698	3	2060-08-28 13:00:00	2060-08-28 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4675	2008/08/2025	2h	2698	2698	3	2060-08-28 18:00:00	2060-08-28 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4676	2008/08/2025	2h	2698	2698	3	2060-08-29 13:00:00	2060-08-29 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4677	2008/08/2025	2h	2698	2698	3	2060-08-29 18:00:00	2060-08-29 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4678	2008/08/2025	2h	2698	2698	3	2060-08-30 13:00:00	2060-08-30 23:00:00	9	145.7	92.3	0.3	753.8	9.1	8.2	0.0
4679	2008/08/2025	2h	2698	2698	3	2060-08-31 13:00:00	2060-08-31 13:00:00	1	192.8	192.8	0.3	803.9	125.8	6.6	737.3
4680	2008/08/2025	2h	2698	2698	3	2060-08-31 18:00:00	2060-08-31 23:00:00	5	84.2	54.8	0.0	734.7	53.5	16.8	0.0
4681	2008/08/2025	2h	2698	2698	4	2060-09-01 13:00:00	2060-09-01 13:00:00	1	147.2	147.2	0.1	686.1	180.9	2.6	741.7
4682	2008/08/2025	2h	2698	2698	3	2060-09-01 18:00:00	2060-09-01 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4683	2008/08/2025	2h	2698	2698	3	2060-09-02 13:00:00	2060-09-02 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4684	2008/08/2025	2h	2698	2698	3	2060-09-02 18:00:00	2060-09-02 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4685	2008/08/2025	2h	2698	2698	3	2060-09-03 13:00:00	2060-09-03 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4686	2008/08/2025	2h	2698	2698	3	2060-09-03 18:00:00	2060-09-03 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4687	2008/08/2025	2h	2698	2698	3	2060-09-04 13:00:00	2060-09-04 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4688	2008/08/2025	2h	2698	2698	3	2060-09-04 18:00:00	2060-09-04 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4689	2008/08/2025	2h	2698	2698	3	2060-09-05 13:00:00	2060-09-05 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4690	2008/08/2025	2h	2698	2698	3	2060-09-05 18:00:00	2060-09-05 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4691	2008/08/2025	2h	2698	2698	3	2060-09-06 13:00:00	2060-09-06 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4692	2008/08/2025	2h	2698	2698	3	2060-09-06 18:00:00	2060-09-06 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4693	2008/08/2025	2h	2698	2698	3	2060-09-07 13:00:00	2060-09-07 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4694	2008/08/2025	2h	2698	2698	3	2060-09-07 18:00:00	2060-09-07 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4695	2008/08/2025	2h	2698	2698	3	2060-09-08 13:00:00	2060-09-08 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4696	2008/08/2025	2h	2698	2698	3	2060-09-08 18:00:00	2060-09-08 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4697	2008/08/2025	2h	2698	2698	3	2060-09-09 13:00:00	2060-09-09 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4698	2008/08/2025	2h	2698	2698	3	2060-09-09 18:00:00	2060-09-09 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4699	2008/08/2025	2h	2698	2698	3	2060-09-10 13:00:00	2060-09-10 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4700	2008/08/2025	2h	2698	2698	3	2060-09-10 18:00:00	2060-09-10 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4701	2008/08/2025	2h	2698	2698	3	2060-09-11 13:00:00	2060-09-11 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4702	2008/08/2025	2h	2698	2698	3	2060-09-11 18:00:00	2060-09-11 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4703	2008/08/2025	2h	2698	2698	3	2060-09-12 13:00:00	2060-09-12 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4704	2008/08/2025	2h	2698	2698	3	2060-09-12 18:00:00	2060-09-12 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4705	2008/08/2025	2h	2698	2698	3	2060-09-13 13:00:00	2060-09-13 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4706	2008/08/2025	2h	2698	2698	3	2060-09-13 18:00:00	2060-09-13 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4707	2008/08/2025	2h	2698	2698	3	2060-09-14 13:00:00	2060-09-14 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4708	2008/08/2025	2h	2698	2698	3	2060-09-14 18:00:00	2060-09-14 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4709	2008/08/2025	2h	2698	2698	3	2060-09-15 13:00:00	2060-09-15 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4710	2008/08/2025	2h	2698	2698	3	2060-09-15 18:00:00	2060-09-15 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4711	2008/08/2025	2h	2698	2698	3	2060-09-16 13:00:00	2060-09-16 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4712	2008/08/2025	2h	2698	2698	3	2060-09-16 18:00:00	2060-09-16 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4713	2008/08/2025	2h	2698	2698	3	2060-09-17 13:00:00	2060-09-17 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4714	2008/08/2025	2h	2698	2698	3	2060-09-17 18:00:00	2060-09-17 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4715	2008/08/2025	2h	2698	2698	3	2060-09-18 13:00:00	2060-09-18 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4716	2008/08/2025	2h	2698	2698	3	2060-09-18 18:00:00	2060-09-18 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4717	2008/08/2025	2h	2698	2698	3	2060-09-19 13:00:00	2060-09-19 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4718	2008/08/2025	2h	2698	2698	3	2060-09-19 18:00:00	2060-09-19 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4719	2008/08/2025	2h	2698	2698	3	2060-09-20 13:00:00	2060-09-20 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4720	2008/08/2025	2h	2698	2698	3	2060-09-20 18:00:00	2060-09-20 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4721	2008/08/2025	2h	2698	2698	3	2060-09-21 13:00:00	2060-09-21 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4722	2008/08/2025	2h	2698	2698	3	2060-09-21 18:00:00	2060-09-21 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4723	2008/08/2025	2h	2698	2698	3	2060-09-22 13:00:00	2060-09-22 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4724	2008/08/2025	2h	2698	2698	3	2060-09-22 18:00:00	2060-09-22 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4725	2008/08/2025	2h	2698	2698	3	2060-09-23 13:00:00	2060-09-23 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4726	2008/08/2025	2h	2698	2698	3	2060-09-23 18:00:00	2060-09-23 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4727	2008/08/2025	2h	2698	2698	3	2060-09-24 13:00:00	2060-09-24 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4728	2008/08/2025	2h	2698	2698	3	2060-09-24 18:00:00	2060-09-24 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4729	2008/08/2025	2h	2698	2698	3	2060-09-25 13:00:00	2060-09-25 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4730	2008/08/2025	2h	2698	2698	3	2060-09-25 18:00:00	2060-09-25 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4731	2008/08/2025	2h	2698	2698	3	2060-09-26 13:00:00	2060-09-26 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4732	2008/08/2025	2h	2698	2698	3	2060-09-26 18:00:00	2060-09-26 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4733	2008/08/2025	2h	2698	2698	3	2060-09-27 13:00:00	2060-09-27 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4734	2008/08/2025	2h	2698	2698	3	2060-09-27 18:00:00	2060-09-27 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4735	2008/08/2025	2h	2698	2698	3	2060-09-28 13:00:00	2060-09-28 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4736	2008/08/2025	2h	2698	2698	3	2060-09-28 18:00:00	2060-09-28 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0
4737	2008/08/2025	2h	2698	2698	3	2060-09-29 13:00:00	2060-09-29 13:00:00	1	194.8	194.8	0.2	738.9	3.3	48.9	0.0
4738	2008/08/2025	2h	2698	2698	3	2060-09-29 18:00:00	2060-09-29 21:00:00	3	134.3	134.3	0.2	692.7	154.6	13.0	0.0
4739	2008/08/2025	2h	2698	2698	3	2060-09-30 13:00:00	2060-09-30 13:00:00	1	194.8	194.8	0.2	693.5	124.5	3.8	713.7
4740	2008/08/2025	2h	2698	2698	3	2060-09-30 18:00:00	2060-09-30 20:00:00	2	170.1	94.5	0.3	750.8	22.8	19.2	0.0



4898	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	62.0	47.9	0.2	813.5	4.5	13.6	0.0
4899	[illegible]	[illegible]	2030	2025	2	[illegible]	[illegible]	4	64.8	49.1	0.1	771.7	0.0	10.0	0.0
4900	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	20.1	53.5	0.2	746.5	7.0	0.1	0.0
4901	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	1	25.6	26.2	0.0	605.1	0.0	23.4	0.0
4902	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	79.3	58.0	0.0	814.5	5.4	13.2	0.0
4903	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	1	3.0	3.5	0.0	625.1	9.6	46.6	0.0
4904	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	116.8	69.7	0.2	813.3	4.5	19.1	0.0
4905	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	114.3	77.8	0.2	607.5	4.5	13.0	0.0
4906	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	46.2	44.7	0.0	837.4	101.4	26.7	0.0
4907	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	112.7	40.5	0.4	863.7	4.5	8.4	0.0
4908	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	5.5	6.3	0.0	699.0	175.3	49.8	0.0
4909	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	2	100.7	67.8	0.3	951.5	4.5	49.6	0.0
4910	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	5	2.2	2.6	0.0	700.3	0.0	44.1	0.0
4911	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	6	48.9	42.2	0.1	756.4	0.0	19.6	0.0
4912	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	2	58.6	26.4	0.1	721.7	99.8	31.4	0.0
4913	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	1	97.6	27.6	0.0	677.0	106.7	26.4	0.0
4914	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	1	77.3	53.6	0.2	821.0	0.0	4.8	0.0
4915	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	5	73.0	41.9	0.5	899.3	0.0	35.1	0.0
4916	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	1	3.0	3.0	0.0	833.4	7.4	13.7	0.0
4917	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	75.5	61.0	0.2	851.1	0.0	8.6	0.0
4918	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	54.4	31.7	0.1	624.5	0.0	30.7	0.0
4919	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	96.2	40.2	0.0	859.9	7.0	14.3	0.0
4920	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	7	43.0	36.4	0.1	779.9	0.0	30.6	0.0
4921	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	54.0	28.5	0.1	798.8	0.0	42.5	0.0
4922	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	17.4	35.3	0.1	693.0	0.0	53.2	0.0
4923	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	7	85.2	62.4	0.1	604.6	1.8	7.1	0.0
4924	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	6	41.9	35.6	0.1	871.6	0.0	12.0	0.0
4925	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	8.8	8.7	0.0	792.2	100.1	23.6	0.0
4926	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	3	65.1	47.3	0.1	864.5	0.0	56.8	0.0
4927	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	73.0	49.5	0.2	801.2	0.0	68.5	0.0
4928	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	49.5	38.4	0.1	880.4	0.0	25.3	0.0
4929	[illegible]	[illegible]	2030	2025	3	[illegible]	[illegible]	4	81.1	41.4	0.1	900.8	0.0	14.0	0.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



5384	20306/2023	dv	2020	2023	4	2020-09-06 16:00:00	2020-09-06 23:00:00	6	190.1	194.9	0.5	1145.0	44.9	146.9	0.0
5385	20306/2024	dv	2020	2025	4	2020-09-07 16:00:00	2020-09-07 23:00:00	6	189.2	194.8	0.6	1135.8	43.7	53.7	0.0
5386	20307/2025	dv	2020	2025	4	2020-09-08 16:00:00	2020-09-09 23:59:00	7	206.4	214.6	0.8	1454.6	38.6	59.9	0.0
5387	20308/2025	dv	2020	2025	4	2020-09-09 16:00:00	2020-09-09 23:59:00	6	197.2	199.7	0.7	1482.0	33.6	52.9	0.0
5388	20309/2025	dv	2020	2025	4	2020-09-10 12:59:00	2020-09-10 23:00:00	5	195.2	197.9	0.8	1342.1	29.7	53.9	0.0
5389	20310/2025	dv	2020	2025	4	2020-09-11 17:00:00	2020-09-12 23:00:00	8	199.7	203.8	0.7	1383.6	30.7	49.8	0.0
5390	20311/2025	dv	2020	2025	4	2020-09-12 17:00:00	2020-09-13 23:00:00	8	196.8	202.0	0.7	1366.4	26.8	37.2	0.0
5391	20312/2025	dv	2020	2025	4	2020-09-13 17:00:00	2020-09-15 23:00:00	9	200.6	205.7	0.7	1384.9	30.8	39.8	0.0
5392	20313/2025	dv	2020	2025	4	2020-09-14 17:00:00	2020-09-16 23:00:00	7	194.3	199.3	0.7	1345.7	34.2	104.5	0.0
5393	20314/2025	dv	2020	2025	4	2020-09-15 17:00:00	2020-09-17 23:00:00	9	194.2	196.6	0.6	1347.5	35.2	89.8	0.0
5394	20315/2025	dv	2020	2025	4	2020-09-16 17:00:00	2020-09-18 23:00:00	8	192.0	197.7	0.6	1334.9	30.1	67.3	0.0
5395	20316/2025	dv	2020	2025	4	2020-09-17 17:00:00	2020-09-19 23:00:00	8	188.4	192.0	0.6	1296.7	19.8	136.2	0.0
5396	20317/2025	dv	2020	2025	4	2020-09-18 17:00:00	2020-09-20 23:00:00	8	192.3	198.0	0.7	1327.7	18.7	127.5	0.0
5397	20318/2025	dv	2020	2025	4	2020-09-19 17:00:00	2020-09-21 23:00:00	8	191.7	196.9	0.6	1314.4	17.5	172.4	0.0
5398	20319/2025	dv	2020	2025	4	2020-09-20 16:00:00	2020-09-20 23:00:00	6	194.8	197.5	0.7	1321.6	17.4	38.4	0.0
5399	20320/2025	dv	2020	2025	4	2020-09-21 16:00:00	2020-09-21 23:00:00	6	195.8	198.3	0.7	1326.3	20.0	63.0	0.0
5400	20321/2025	dv	2020	2025	4	2020-09-22 17:00:00	2020-09-22 23:00:00	5	197.4	199.5	0.8	1324.4	19.8	93.1	0.0
5401	20322/2025	dv	2020	2025	4	2020-09-23 17:00:00	2020-09-23 23:00:00	5	194.1	196.8	0.8	1313.8	18.7	89.2	0.0
5402	20323/2025	dv	2020	2025	4	2020-09-24 16:00:00	2020-09-24 23:00:00	6	191.3	193.4	0.7	1277.2	16.7	67.0	0.0
5403	20324/2025	dv	2020	2025	4	2020-09-25 16:00:00	2020-09-26 23:00:00	8	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5404	20325/2025	dv	2020	2025	4	2020-09-26 16:00:00	2020-09-26 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5405	20326/2025	dv	2020	2025	4	2020-09-27 17:00:00	2020-09-27 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5406	20327/2025	dv	2020	2025	4	2020-09-28 16:00:00	2020-09-28 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5407	20328/2025	dv	2020	2025	4	2020-09-29 16:00:00	2020-09-29 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5408	20329/2025	dv	2020	2025	4	2020-09-30 16:00:00	2020-09-30 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0
5409	20330/2025	dv	2020	2025	4	2020-10-01 16:00:00	2020-10-01 23:00:00	6	206.1	209.1	0.8	1406.1	19.7	69.1	0.0
5410	20331/2025	dv	2020	2025	4	2020-10-02 17:00:00	2020-10-02 23:00:00	5	197.4	199.6	0.8	1326.2	19.7	69.2	0.0
5411	20332/2025	dv	2020	2025	4	2020-10-03 16:00:00	2020-10-03 23:00:00	6	199.9	203.1	0.8	1357.2	19.7	67.0	0.0
5412	20333/2025	dv	2020	2025	4	2020-10-04 16:00:00	2020-10-04 23:00:00	6	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5413	20334/2025	dv	2020	2025	4	2020-10-05 16:00:00	2020-10-05 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5414	20335/2025	dv	2020	2025	4	2020-10-06 17:00:00	2020-10-06 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5415	20336/2025	dv	2020	2025	4	2020-10-07 16:00:00	2020-10-07 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5416	20337/2025	dv	2020	2025	4	2020-10-08 16:00:00	2020-10-08 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5417	20338/2025	dv	2020	2025	4	2020-10-09 16:00:00	2020-10-09 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0
5418	20339/2025	dv	2020	2025	4	2020-10-10 16:00:00	2020-10-10 23:00:00	6	206.1	209.1	0.8	1406.1	19.7	69.1	0.0
5419	20340/2025	dv	2020	2025	4	2020-10-11 17:00:00	2020-10-11 23:00:00	5	197.4	199.6	0.8	1326.2	19.7	69.2	0.0
5420	20341/2025	dv	2020	2025	4	2020-10-12 16:00:00	2020-10-12 23:00:00	6	199.9	203.1	0.8	1357.2	19.7	67.0	0.0
5421	20342/2025	dv	2020	2025	4	2020-10-13 16:00:00	2020-10-13 23:00:00	6	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5422	20343/2025	dv	2020	2025	4	2020-10-14 16:00:00	2020-10-14 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5423	20344/2025	dv	2020	2025	4	2020-10-15 17:00:00	2020-10-15 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5424	20345/2025	dv	2020	2025	4	2020-10-16 16:00:00	2020-10-16 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5425	20346/2025	dv	2020	2025	4	2020-10-17 16:00:00	2020-10-17 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5426	20347/2025	dv	2020	2025	4	2020-10-18 16:00:00	2020-10-18 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0
5427	20348/2025	dv	2020	2025	4	2020-10-19 16:00:00	2020-10-19 23:00:00	6	206.1	209.1	0.8	1406.1	19.7	69.1	0.0
5428	20349/2025	dv	2020	2025	4	2020-10-20 17:00:00	2020-10-20 23:00:00	5	197.4	199.6	0.8	1326.2	19.7	69.2	0.0
5429	20350/2025	dv	2020	2025	4	2020-10-21 16:00:00	2020-10-21 23:00:00	6	199.9	203.1	0.8	1357.2	19.7	67.0	0.0
5430	20351/2025	dv	2020	2025	4	2020-10-22 16:00:00	2020-10-22 23:00:00	6	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5431	20352/2025	dv	2020	2025	4	2020-10-23 16:00:00	2020-10-23 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5432	20353/2025	dv	2020	2025	4	2020-10-24 17:00:00	2020-10-24 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5433	20354/2025	dv	2020	2025	4	2020-10-25 16:00:00	2020-10-25 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5434	20355/2025	dv	2020	2025	4	2020-10-26 16:00:00	2020-10-26 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5435	20356/2025	dv	2020	2025	4	2020-10-27 16:00:00	2020-10-27 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0
5436	20357/2025	dv	2020	2025	4	2020-10-28 16:00:00	2020-10-28 23:00:00	6	206.1	209.1	0.8	1406.1	19.7	69.1	0.0
5437	20358/2025	dv	2020	2025	4	2020-10-29 17:00:00	2020-10-29 23:00:00	5	197.4	199.6	0.8	1326.2	19.7	69.2	0.0
5438	20359/2025	dv	2020	2025	4	2020-10-30 16:00:00	2020-10-30 23:00:00	6	199.9	203.1	0.8	1357.2	19.7	67.0	0.0
5439	20360/2025	dv	2020	2025	4	2020-10-31 16:00:00	2020-10-31 23:00:00	6	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5440	20361/2025	dv	2020	2025	4	2020-11-01 16:00:00	2020-11-01 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5441	20362/2025	dv	2020	2025	4	2020-11-02 17:00:00	2020-11-02 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5442	20363/2025	dv	2020	2025	4	2020-11-03 16:00:00	2020-11-03 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5443	20364/2025	dv	2020	2025	4	2020-11-04 16:00:00	2020-11-04 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5444	20365/2025	dv	2020	2025	4	2020-11-05 16:00:00	2020-11-05 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0
5445	20366/2025	dv	2020	2025	4	2020-11-06 16:00:00	2020-11-06 23:00:00	6	206.1	209.1	0.8	1406.1	19.7	69.1	0.0
5446	20367/2025	dv	2020	2025	4	2020-11-07 17:00:00	2020-11-07 23:00:00	5	197.4	199.6	0.8	1326.2	19.7	69.2	0.0
5447	20368/2025	dv	2020	2025	4	2020-11-08 16:00:00	2020-11-08 23:00:00	6	199.9	203.1	0.8	1357.2	19.7	67.0	0.0
5448	20369/2025	dv	2020	2025	4	2020-11-09 16:00:00	2020-11-09 23:00:00	6	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5449	20370/2025	dv	2020	2025	4	2020-11-10 16:00:00	2020-11-10 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5450	20371/2025	dv	2020	2025	4	2020-11-11 17:00:00	2020-11-11 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5451	20372/2025	dv	2020	2025	4	2020-11-12 16:00:00	2020-11-12 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5452	20373/2025	dv	2020	2025	4	2020-11-13 16:00:00	2020-11-13 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5453	20374/2025	dv	2020	2025	4	2020-11-14 16:00:00	2020-11-14 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0
5454	20375/2025	dv	2020	2025	4	2020-11-15 16:00:00	2020-11-15 23:00:00	6	206.1	209.1	0.8	1406.1	19.7	69.1	0.0
5455	20376/2025	dv	2020	2025	4	2020-11-16 17:00:00	2020-11-16 23:00:00	5	197.4	199.6	0.8	1326.2	19.7	69.2	0.0
5456	20377/2025	dv	2020	2025	4	2020-11-17 16:00:00	2020-11-17 23:00:00	6	199.9	203.1	0.8	1357.2	19.7	67.0	0.0
5457	20378/2025	dv	2020	2025	4	2020-11-18 16:00:00	2020-11-18 23:00:00	6	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5458	20379/2025	dv	2020	2025	4	2020-11-19 16:00:00	2020-11-19 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5459	20380/2025	dv	2020	2025	4	2020-11-20 17:00:00	2020-11-20 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5460	20381/2025	dv	2020	2025	4	2020-11-21 16:00:00	2020-11-21 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5461	20382/2025	dv	2020	2025	4	2020-11-22 16:00:00	2020-11-22 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5462	20383/2025	dv	2020	2025	4	2020-11-23 16:00:00	2020-11-23 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0
5463	20384/2025	dv	2020	2025	4	2020-11-24 16:00:00	2020-11-24 23:00:00	6	206.1	209.1	0.8	1406.1	19.7	69.1	0.0
5464	20385/2025	dv	2020	2025	4	2020-11-25 17:00:00	2020-11-25 23:00:00	5	197.4	199.6	0.8	1326.2	19.7	69.2	0.0
5465	20386/2025	dv	2020	2025	4	2020-11-26 16:00:00	2020-11-26 23:00:00	6	199.9	203.1	0.8	1357.2	19.7	67.0	0.0
5466	20387/2025	dv	2020	2025	4	2020-11-27 16:00:00	2020-11-27 23:00:00	6	193.5	197.7	0.7	1333.7	18.9	69.6	0.0
5467	20388/2025	dv	2020	2025	4	2020-11-28 16:00:00	2020-11-28 23:00:00	6	194.8	197.9	0.7	1328.2	19.1	90.8	0.0
5468	20389/2025	dv	2020	2025	4	2020-11-29 17:00:00	2020-11-29 23:00:00	5	195.0	196.7	0.8	1322.5	16.2	74.7	0.0
5469	20390/2025	dv	2020	2025	4	2020-11-30 16:00:00	2020-11-30 23:00:00	6	193.3	197.7	0.7	1328.7	18.9	69.6	0.0
5470	20391/2025	dv	2020	2025	4	2020-12-01 16:00:00	2020-12-01 23:00:00	6	175.9	178.3	0.8	1198.2	17.4	61.9	0.0
5471	20392/2025	dv	2020	2025	4	2020-12-02 16:00:00	2020-12-02 23:00:00	6	194.5	196.7	0.7	1321.6	18.9	58.7	0.0

1	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	82.1		73.1	3.2	11.6	0.0	11.1	0.0
2	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	12	241.5		179.7	3.3	166.1	103.4	49.1	169.1
3	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	11	178.5		161.0	3.3	151.7	144.6	39.7	139.9
4	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	108.2		108.1	6.3	101.3	97.7	41.2	11.8
5	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	83.5		83.5	3.3	104.1	0.0	10.0	0.0
6	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	178.5		167.9	1.9	154.1	110.1	21.1	173.0
7	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	170.5		245.9	0.7	103.6	104.3	53.1	12.1
8	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	100.1		76.3	0.3	111.1	0.0	44.1	0.0
9	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	228.3		218.1	3.3	170.1	170.1	15.0	1798.1
10	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	103.1		74.3	7.3	103.1	0.0	13.1	0.0
11	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	108.1		108.1	3.7	108.1	108.1	21.7	108.1
12	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	83.3		34.9	3.3	144.1	0.0	0.0	9.9
13	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	218.1		167.6	3.3	144.1	111.1	1.0	106.9
14	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	178.1		151.1	3.3	151.1	104.1	21.1	109.1
15	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	11	178.1		141.1	3.3	104.1	101.1	10.1	113.1
16	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	14	155.1		118.1	1.3	111.1	108.1	13.1	111.1
17	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	74.4		48.0	0.3	43.0	0.0	18.4	0.0
18	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	4	107.1		83.1	1.4	47.1	41.1	14.1	0.1
19	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	83.1		83.1	3.3	14.1	0.0	0.0	0.0
20	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	107.1		107.1	1.7	97.1	94.1	0.1	24.4
21	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	3	91.1		45.4	0.3	44.1	0.0	21.1	0.1
22	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	47.1		14.1	0.1	74.1	23.1	41.1	0.1
23	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	3	163.4		128.4	3.4	104.1	0.0	0.0	0.1
24	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	4	41.1		28.1	0.1	41.1	0.1	11.1	0.0
25	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	47.1		28.1	0.1	40.1	0.0	0.0	0.0
26	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	11	130.1		87.1	1.1	74.1	41.1	14.1	0.1
27	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	13	144.4		79.8	0.3	101.4	101.1	21.1	0.1
28	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	45.2		41.1	0.1	47.1	0.1	0.1	0.1
29	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	41.7		41.7	0.1	41.1	0.1	0.1	0.1
30	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	4	53.7		37.7	0.1	41.1	0.1	1.1	0.1
31	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	9	148.9		108.4	1.1	101.1	101.1	0.1	0.1
32	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	1	58.4		44.7	0.1	101.1	0.0	14.1	0.1
33	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	3	107.1		104.0	1.4	101.1	101.1	0.1	0.1
34	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	121.1		89.4	0.1	101.1	0.1	1.1	0.1
35	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	2	108.0		104.1	1.1	101.1	101.1	1.1	11.1
36	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	4	144.7		107.4	0.1	101.1	0.1	1.1	0.1
37	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	4	148.5		111.1	1.1	101.1	101.1	10.1	0.1
38	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	117.1		108.1	0.1	107.1	101.1	0.1	0.1
39	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	83.1		83.1	0.1	101.1	0.1	0.1	0.1
40	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	10	144.4		108.1	1.1	101.1	101.1	0.1	0.1
41	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	4	107.1		107.1	0.1	104.1	101.1	0.1	0.1
42	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	71.1		51.4	0.1	101.1	0.1	1.1	0.1
43	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
44	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
45	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
46	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
47	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
48	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
49	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
50	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
51	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
52	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
53	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
54	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
55	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
56	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
57	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
58	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
59	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
60	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
61	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
62	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
63	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
64	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
65	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
66	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
67	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
68	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
69	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
70	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
71	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
72	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
73	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
74	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
75	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
76	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
77	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
78	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
79	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
80	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
81	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
82	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
83	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
84	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
85	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
86	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
87	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
88	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
89	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
90	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
91	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
92	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
93	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
94	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
95	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
96	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
97	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
98	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
99	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
100	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
101	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
102	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
103	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
104	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
105	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
106	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
107	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
108	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
109	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
110	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
111	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
112	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
113	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
114	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
115	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
116	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
117	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
118	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
119	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
120	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
121	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
122	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
123	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
124	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
125	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
126	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
127	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
128	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
129	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
130	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
131	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
132	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
133	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
134	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
135	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
136	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1
137	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	1	104.1		104.1	0.1	101.1	101.1	0.1	0.1

Note:
This sheet presents the estimated experimental [illegible] of [illegible] environmental chamber tests for [illegible] specimens. Approximately [illegible] were tested in a continuous sequence of hours with the same [illegible] where the [illegible] environmental [illegible] is greater than [illegible] to accelerate the [illegible] process. Measurements were taken [illegible] hours, [illegible] hours, and [illegible] hours. The [illegible] results are also included as an input for the subsequent assessment of [illegible] using [illegible] approach. See Article 3, page [illegible] for more information.

178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
179	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
180	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
181	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
182	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
184	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
185	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
186	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
187	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
188	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
190	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
191	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
192	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
193	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
195	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
196	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
197	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
198	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
199	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
201	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
202	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
203	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
204	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
205	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
207	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
208	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
209	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
212	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
213	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
214	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
216	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
218	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
219	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
220	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
221	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
223	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
224	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
225	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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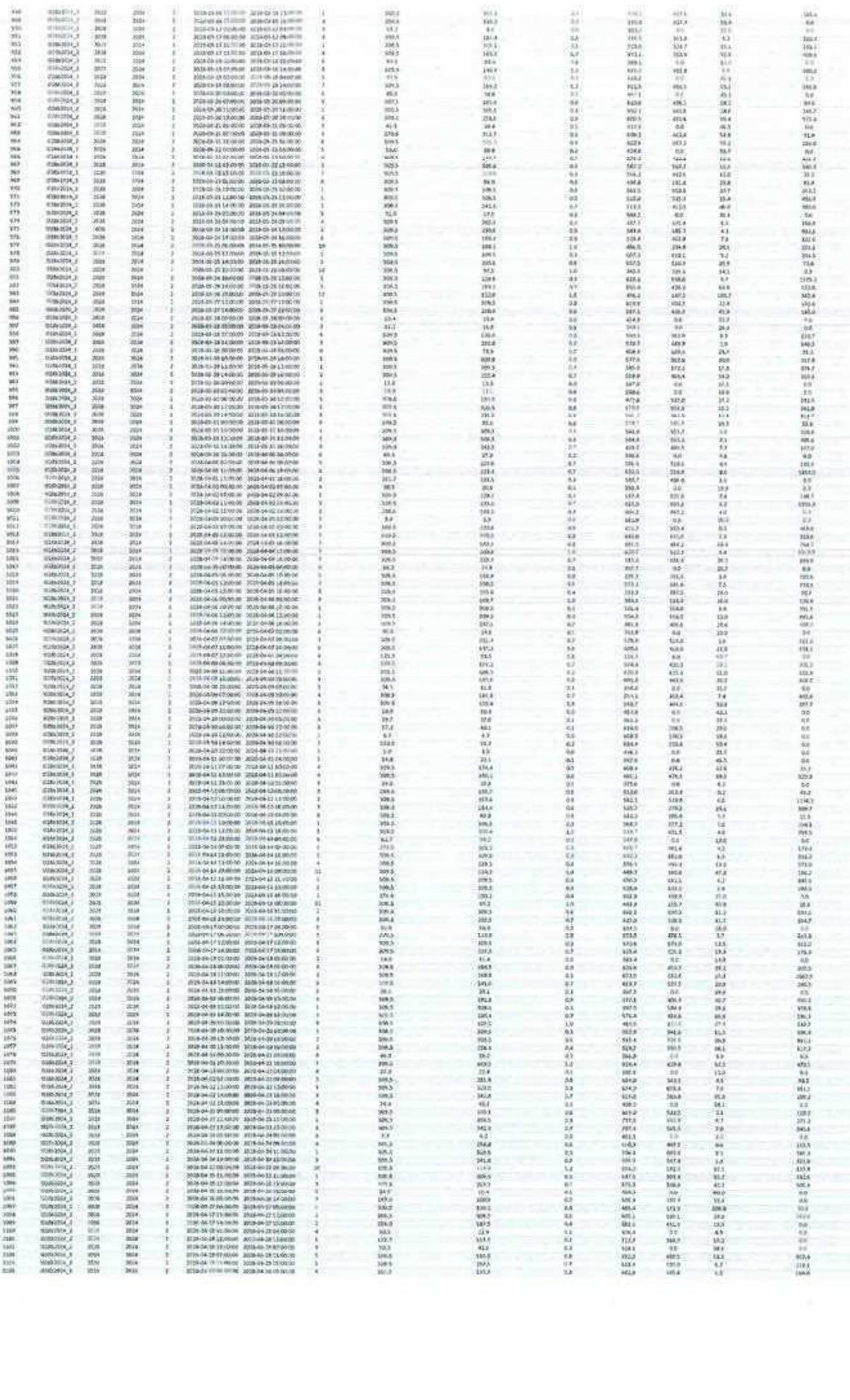
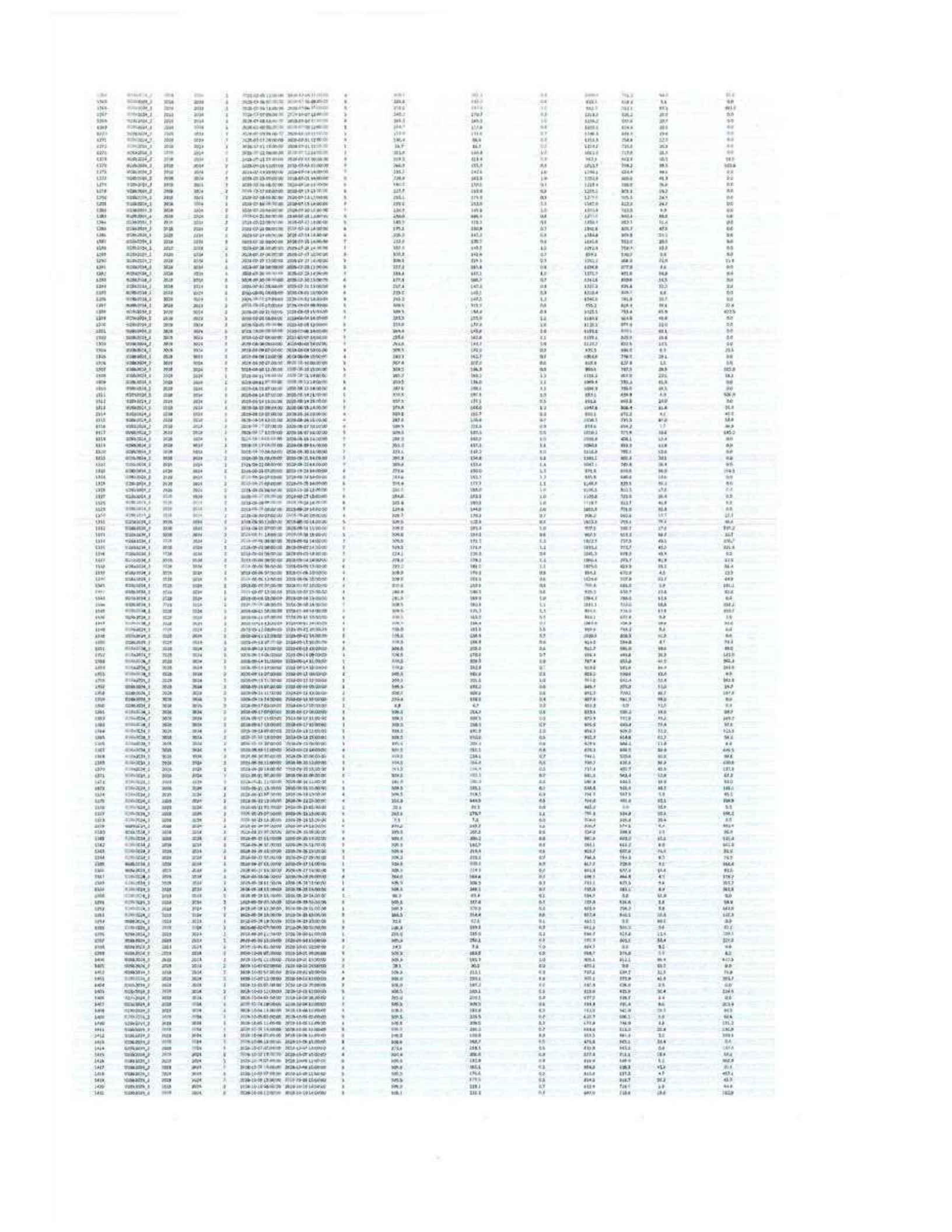
228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
229	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
231	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
232	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
234	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
235	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
236	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
237	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
238	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
241	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
242	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
243	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
246	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
247	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
249	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
251	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
252	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
253	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
254	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
255	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
257	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
258	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
259	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
262	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
263	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
264	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
266	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
268	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
269	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
270	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
271	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
273	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
274	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
276	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
277	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
279	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
281	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
282	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
284	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
286	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
287	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
288	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
291	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
292	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
293	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
296	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
297	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
298	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
299	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
301	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
302	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
303	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
304	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
305	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
307	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
308	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
309	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
312	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
313	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
314	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

429	5128/2023_1	2028	2023	2	2023-02-03 07:00:00	2023-02-03 19:00:00	9	507.2	186.2	1.2	1171.9	764.2	17.7	0.0	
430	5128/2023_2	2028	2023	1	2023-02-04 07:00:00	2023-02-04 15:00:00	5	346.9	205.3	1.4	1203.4	751.6	17.9	160.3	
431	5128/2023_3	2028	2023	1	2023-02-05 07:00:00	2023-02-05 18:00:00	7	376.6	210.2	1.4	888.2	642.1	15.8	243.0	
432	5128/2023_4	2028	2023	2	2023-02-06 11:00:00	2023-02-06 23:00:00	7	374.6	201.5	0.2	654.0	743.0	620.1	5.4	
433	5128/2023_5	2028	2023	2	2023-02-06 08:00:00	2023-02-06 18:00:00	7	350.9	213.6	1.5	1113.5	764.9	12.1	0.0	
434	5128/2023_6	2028	2023	2	2023-02-07 07:00:00	2023-02-07 15:00:00	6	358.3	151.0	1.7	1295.3	743.4	22.2	39.5	
435	5128/2023_7	2028	2023	2	2023-02-08 08:00:00	2023-02-08 15:00:00	6	324.1	226.0	1.3	1137.4	764.0	17.8	0.0	
436	5128/2023_8	2028	2023	2	2023-02-09 08:00:00	2023-02-09 15:00:00	6	265.5	160.0	1.9	1138.3	722.0	26.1	0.0	
437	5128/2023_9	2028	2023	2	2023-02-10 08:00:00	2023-02-10 15:00:00	7	348.7	192.5	1.4	1100.3	753.5	20.4	0.0	
438	5128/2023_10	2028	2023	2	2023-02-11 07:00:00	2023-02-11 15:00:00	9	470.6	194.8	1.5	1104.6	758.0	19.0	190.1	
439	5128/2023_11	2028	2023	2	2023-02-12 06:00:00	2023-02-12 14:00:00	9	520.7	209.5	1.9	1015.7	699.6	1.5	84.7	
440	5128/2023_12	2028	2023	2	2023-02-13 07:00:00	2023-02-13 14:00:00	8	506.3	191.6	1.3	1078.8	649.3	9.8	0.0	
441	5128/2023_13	2028	2023	2	2023-02-14 07:00:00	2023-02-14 15:00:00	8	534.8	184.6	1.7	925.7	663.4	4.2	0.0	
442	5128/2023_14	2028	2023	2	2023-02-15 06:00:00	2023-02-15 14:00:00	7	511.1	213.3	1.5	1098.1	676.4	10.2	0.0	
443	5128/2023_15	2028	2023	2	2023-02-16 07:00:00	2023-02-16 15:00:00	6	359.4	153.3	1.5	1091.3	752.4	11.4	85.8	
444	5128/2023_16	2028	2023	2	2023-02-17 07:00:00	2023-02-17 14:00:00	6	530.4	205.8	1.6	1106.1	704.3	8.7	0.0	
445	5128/2023_17	2028	2023	2	2023-02-18 06:00:00	2023-02-18 14:00:00	7	506.5	198.1	1.5	1094.9	756.1	8.9	0.0	
446	5128/2023_18	2028	2023	2	2023-02-19 07:00:00	2023-02-19 15:00:00	7	502.8	177.8	1.3	1150.0	752.6	14.2	237.5	
447	5128/2023_19	2028	2023	2	2023-02-20 06:00:00	2023-02-20 14:00:00	7	511.4	214.3	1.5	1132.4	691.2	12.4	0.0	
448	5128/2023_20	2028	2023	2	2023-02-21 07:00:00	2023-02-21 15:00:00	8	560.5	186.2	1.8	1130.8	755.0	10.3	0.0	
449	5128/2023_21	2028	2023	2	2023-02-22 08:00:00	2023-02-22 15:00:00	6	374.1	151.2	1.1	1173.0	781.1	13.1	0.0	
450	5128/2023_22	2028	2023	1	2023-02-23 08:00:00	2023-02-23 17:00:00	7	321.3	127.6	1.0	1163.4	807.3	12.0	0.0	
451	5128/2023_23	2028	2023	2	2023-02-24 07:00:00	2023-02-24 14:00:00	7	374.8	150.4	1.1	1144.1	781.5	14.1	0.0	
452	5128/2023_24	2028	2023	2	2023-02-25 07:00:00	2023-02-25 15:00:00	8	508.8	194.9	1.6	1027.9	731.9	20.2	0.0	
453	5128/2023_25	2028	2023	2	2023-02-26 06:00:00	2023-02-26 14:00:00	8	514.4	198.7	1.7	977.5	598.6	21.2	0.0	
454	5128/2023_26	2028	2023	2	2023-02-27 07:00:00	2023-02-27 15:00:00	8	517.5	211.3	1.1	1263.6	646.0	26.7	0.0	
455	5128/2023_27	2028	2023	2	2023-02-28 07:00:00	2023-02-28 14:00:00	7	520.9	198.4	1.0	1149.0	719.4	20.9	0.0	
456	5128/2023_28	2028	2023	2	2023-03-01 06:00:00	2023-03-01 14:00:00	8	552.2	187.4	1.8	1098.3	728.7	19.7	0.0	
457	5128/2023_29	2028	2023	2	2023-03-02 08:00:00	2023-03-02 15:00:00	6	346.9	169.6	1.1	1193.2	687.1	26.9	0.0	
458	5128/2023_30	2028	2023	2	2023-03-03 06:00:00	2023-03-03 14:00:00	7	502.9	209.6	1.5	1076.9	628.7	19.7	0.0	
459	5128/2023_31	2028	2023	2	2023-03-04 07:00:00	2023-03-04 15:00:00	9	570.0	222.1	2.0	937.3	660.7	25.0	459.3	
460	5128/2023_32	2028	2023	2	2023-03-05 07:00:00	2023-03-05 15:00:00	9	580.0	234.8	1.9	781.8	687.4	3.8	0.0	
461	5128/2023_33	2028	2023	2	2023-03-06 12:00:00	2023-03-06 23:00:00	4	330.0	243.8	1.1	891.9	674.5	460.2	41.3	
462	5128/2023_34	2028	2023	2	2023-03-07 07:00:00	2023-03-07 15:00:00	8	533.6	189.9	1.7	1089.6	650.3	26.0	52.7	
463	5128/2023_35	2028	2023	2	2023-03-08 07:00:00	2023-03-08 15:00:00	8	547.6	195.4	1.8	1105.8	670.4	21.2	124.8	
464	5128/2023_36	2028	2023	2	2023-03-09 07:00:00	2023-03-09 15:00:00	9	547.2	189.4	1.8	997.4	695.3	24.2	176.8	
465	5128/2023_37	2028	2023	2	2023-03-10 07:00:00	2023-03-10 14:00:00	8	538.5	204.7	1.9	1161.7	721.7	25.6	548.7	
466	5128/2023_38	2028	2023	2	2023-03-11 06:00:00	2023-03-11 14:00:00	8	548.4	189.7	1.7	1092.9	693.9	25.1	128.9	
467	5128/2023_39	2028	2023	2	2023-03-12 06:00:00	2023-03-12 14:00:00	8	378.5	190.7	1.3	997.4	761.4	0.9	16.2	
468	5128/2023_40	2028	2023	1	2023-03-13 12:00:00	2023-03-13 20:00:00	4	374.8	226.6	0.9	984.3	761.8	18.4	18.8	
469	5128/2023_41	2028	2023	2	2023-03-14 08:00:00	2023-03-14 15:00:00	6	374.3	223.1	1.4	1273.8	766.8	9.1	1444.1	
470	5128/2023_42	2028	2023	2	2023-03-15 08:00:00	2023-03-15 18:00:00	7	376.5	194.5	0.7	1256.0	696.8	10.7	243.6	
471	5128/2023_43	2028	2023	1	2023-03-16 08:00:00	2023-03-16 15:00:00	6	348.7	165.3	1.2	1191.0	813.4	10.8	0.0	
472	5128/2023_44	2028	2023	2	2023-03-17 07:00:00	2023-03-17 15:00:00	8	4.6	3.3	0.0	934.5	0.0	19.4	0.0	
473	5128/2023_45	2028	2023	1	2023-03-18 09:00:00	2023-03-18 15:00:00	5	351.0	204.3	1.1	1401.1	908.2	26.1	0.0	
474	5128/2023_46	2028	2023	2	2023-03-19 12:00:00	2023-03-19 20:00:00	4	28.2	19.7	0.0	1371.8	0.0	15.2	0.0	
475	5128/2023_47	2028	2023	2	2023-03-20 07:00:00	2023-03-20 15:00:00	9	508.1	214.3	1.8	954.5	593.8	37.6	176.8	
476	5128/2023_48	2028	2023	2	2023-03-21 07:00:00	2023-03-21 14:00:00	9	15.9	17.7	0.0	1022.7	0.0	17.1	0.0	
477	5128/2023_49	2028	2023	2	2023-03-22 07:00:00	2023-03-22 15:00:00	9	508.1	214.3	1.8	994.1	723.5	22.7	212.0	
478	5128/2023_50	2028	2023	2	2023-03-23 07:00:00	2023-03-23 14:00:00	9	18.9	12.6	0.0	1091.9	0.0	23.2	0.0	
479	5128/2023_51	2028	2023	2	2023-03-24 06:00:00	2023-03-24 14:00:00	8	515.5	211.2	1.9	1060.5	695.9	21.8	126.2	
480	5128/2023_52	2028	2023	2	2023-03-25 07:00:00	2023-03-25 15:00:00	9	536.5	213.9	0.4	1068.1	754.0	26.3	19.7	
481	5128/2023_53	2028	2023	2	2023-03-26 07:00:00	2023-03-26 15:00:00	8	529.5	193.0	0.6	754.7	748.3	3.5	72.6	
482	5128/2023_54	2028	2023	2	2023-03-27 07:00:00	2023-03-27 15:00:00	8	508.9	182.9	0.7	1082.7	738.0	24.2	478.2	
483	5128/2023_55	2028	2023	2	2023-03-28 07:00:00	2023-03-28 15:00:00	8	529.5	206.9	2.0	1082.8	744.6	23.0	64.2	
484	5128/2023_56	2028	2023	2	2023-03-29 07:00:00	2023-03-29 15:00:00	8	538.5	178.8	0.4	825.7	808.4	20.2	106.4	
485	5128/2023_57	2028	2023	2	2023-03-30 07:00:00	2023-03-30 15:00:00	8	7.4	7.2	0.0	1044.8	0.0	14.3	0.0	
486	5128/2023_58	2028	2023	2	2023-03-31 06:00:00	2023-03-31 13:30:00	6	576.5	233.9	0.3	733.1	884.6	3.3	692.3	
487	5128/2023_59	2028	2023	2	2023-04-01 07:00:00	2023-04-01 15:00:00	8	578.5	230.9	0.7	918.6	673.3	27.7	35.1	
488	5128/2023_60	2028	2023	2	2023-04-02 07:00:00	2023-04-02 14:30:00	8	530.0	208.3	0.7	912.7	894.1	11.0	58.1	
489	5128/2023_61	2028	2023	2	2023-04-03 07:00:00	2023-04-03 14:30:00	8	550.2	214.8	1.0	954.5	753.3	7.9	133.4	
490	5128/2023_62	2028	2023	2	2023-04-04 07:00:00	2023-04-04 14:00:00	8	542.8	213.4	0.7	974.3	788.4	5.5	34.6	
491	5128/2023_63	2028	2023	2	2023-04-05 07:00:00	2023-04-05 15:00:00	9	536.7	193.1	0.7	964.6	743.9	13.1	18.3	
492	5128/2023_64	2028	2023	2	2023-04-06 07:00:00	2023-04-06 14:30:00	9	570.3	197.4	0.9	965.1	713.3	13.6	176.6	
493	5128/2023_65	2028	2023	2	2023-04-07 07:00:00	2023-04-07 15:00:00	7	24.9	13.5	0.0	1127.4	0.0	24.1	0.0	
494	5128/2023_66	2028	2023	2	2023-04-08 07:00:00	2023-04-08 15:00:00	8	576.7	140.6	0.2	968.8	677.3	22.7	30.1	
495	5128/2023_67	2028	2023	2	2023-04-09 07:00:00	2023-04-09 15:00:00	8	564.0	215.0	0.5	809.2	642.0	26.9	0.1	
496	5128/2023_68	2028	2023	2	2023-04-10 08:00:00	2023-04-10 15:00:00	6	19.4	10.4	0.0	1044.9	0.0	20.3	0.0	
497	5128/2023_69	2028	2023	2	2023-04-11 07:00:00	2023-04-11 14:30:00	8	571.3	153.4	0.6	894.5	698.1	17.2	112.5	
498	5128/2023_70	2028	2023	2	2023-04-12 06:00:00	2023-04-12 14:00:00	8	37.7	29.0	0.1	1047.2	0.0	12.3	0.0	
499	5128/2023_71	2028	2023	2	2023-04-13 06:00:00	2023-04-13 15:00:00	9	576.5	213.0	0.8	758.5	689.6	23.5	28.3	
500	5128/2023_72	2028	2023	2	2023-04-14 06:00:00	2023-04-14 14:00:00	8	564.8	215.8	0.7	933.9	719.1	24.3	118.1	
501	5128/2023_73	2028	2023	2	2023-04-15 07:00:00	2023-04-15 15:00:00	8	6.6	4.9	0.0	1077.9	0.0	18.9	0.0	
502	5128/2023_74	2028	2023	2	2023-04-16 08:00:00	2023-04-16 15:00:00	8	24.8	19.4	0.1	1086.4	0.0	20.2	0.0	
503	5128/2023_75	2028	2023	2	2023-04-17 07:00:00	2023-04-17 13:00:00	6	327.7	158.7	0.3	819.9	585.6	13.4	0.0	
504	5128/2023_76	2028	2023	2	2023-04-18 07:00:00	2023-04-18 13:30:00	6	78.1	78.1	0.1	959.0	556.2	49.6	0.0	
505	5128/2023_77	2028	2023	2	2023-04-19 08:00:00	2023-04-19 14:00:00	6	31.6	13.7	0.0	974.6	0.0	13.9	0.0	
506	5128/2023_78	2028	2023	2	2023-04-20 07:00:00	2023-04-20 14:00:00	8	578.3	182.1	0.6	1042.0	669.0	9.1	28.4	
507	5128/2023_79	2028	2023	2	2023-04-21 07:00:00	2023-04-21 13:00:00	6	578.2	246.8	0.2	825.6	657.3	17.6	677.8	
508	5128/2023_80	2028	2023	2	2023-04-22 06:00:00	2023-04-22 14:00:00	8	30.2	23.5	0.0	980.2	0.0	19.7	0.0	
509	5128/2023_81	2028	2023	2	2023-04-23 07:00:00	2023-04-23 13:00:00	6	578.3	196.7	0.4	927.5	930.6	16.5	211.3	
510	5128/2023_82	2028	2023	2	2023-04-24 07:00:00	2023-04-24 15:00:00	8	44.9	32.2	0.2	1045.6	0.0	28.3	0.0	
511	5128/2023_83	2028	2023	2	2023-04-25 07:00:00	2023-04-25 09:00:00	2	578.5	287.5	0.8	775.1	815.0	4.4	20.1	
512	5128/2023_84	2028	2023	2	2023-04-26 07:00:00	2023-04-26 15:00:00	8	578.5	248.8	0.2	825.1	654.1	19.1	949.4	
513	5128/2023_85	2028	2023	2	2023-04-27 07:00:00	2023-04-27 15:00:00	8	578.3	145.6	0.5	972.5	589.3	45.3	1799.6	
514	5128/2023_86	2028	2023	2	2023-04-28 07:00:00	2023-04-28 15:00:00	8	38.6	33.7	0.1	961.6	0.0	49.0	0.0	
515	5128/2023_87	2028	2023	2	2023-04-29 07:00:00	2023-04-29 15:00:00	8	571.1	193.1	0.9	945.9	698.3	0.8	0.0	
516	5128/2023_88	2028	2023	2	2023-04-30 06:00:00	2023-04-30 14:00:00	8	43.3	31.0	0.1	913.0	0.0	11.3	0.0	
517	5128/2023_89	2028	2023	2	2023-05-01 07:00:00	2023-05-01 15:00:00	8	576.5	211.0	0.0	776.4	632.0	2.4	177.3	
518	5128/2023_90	2028	2023	2	2023-05-02 07:00:00	2023-05-02 15:00:00	8	578.5	216.3	0.0	836.8	598.8	38.2	28.8	
519	5128/2023_91	2028	2023	2	2023-05-03 07:00:00	2023-05-03 15:00:00	8	35.3	29.3	0.1	971.9	0.0	9.3	0.0	
520	5128/2023_92	2028	2023	2	2023-05-04 07:00:00	2023-05-04 14:00:00	8	578.5	213.9	0.7	797.2	599.0	13.8	108.6	
521	5128/2023_93	2028	2023	2	2023-05-05 07:00:00	2023-05-05 14:00:00	8	46.3	31.6	0.2	966.0	0.0	15.6	0.0	
522	5128/2023_94	2028	2023	2	2023-05-06 07:00:00	2023-05-06 15:00:00	8	578.5	215.1	0.9	781.1	574.2	21.7	427.7	
523	5128/2023_95	2028	2023	2	2023-05-07 07:00:00	2023-05-07 15:00:00	8	578.3	197.7	0.6	1011.7	0.0	11.6	0.0	
524	5128/2023_96	2028	2023	2	2023-05-08 07:00:00	2023-05-08 15:00:00	8	578.3	184.6	0.7	1015.8	0.0	11.1	0.0	
525	5128/2023_97	2028	2023	2	2023-05-09 07:00:00	2023-05-09 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
526	5128/2023_98	2028	2023	2	2023-05-10 07:00:00	2023-05-10 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
527	5128/2023_99	2028	2023	2	2023-05-11 07:00:00	2023-05-11 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
528	5128/2023_100	2028	2023	2	2023-05-12 07:00:00	2023-05-12 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
529	5128/2023_101	2028	2023	2	2023-05-13 07:00:00	2023-05-13 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
530	5128/2023_102	2028	2023	2	2023-05-14 07:00:00	2023-05-14 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
531	5128/2023_103	2028	2023	2	2023-05-15 07:00:00	2023-05-15 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
532	5128/2023_104	2028	2023	2	2023-05-16 07:00:00	2023-05-16 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
533	5128/2023_105	2028	2023	2	2023-05-17 07:00:00	2023-05-17 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
534	5128/2023_106	2028	2023	2	2023-05-18 07:00:00	2023-05-18 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
535	5128/2023_107	2028	2023	2	2023-05-19 07:00:00	2023-05-19 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
536	5128/2023_108	2028	2023	2	2023-05-20 07:00:00	2023-05-20 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
537	5128/2023_109	2028	2023	2	2023-05-21 07:00:00	2023-05-21 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
538	5128/2023_110	2028	2023	2	2023-05-22 07:00:00	2023-05-22 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
539	5128/2023_111	2028	2023	2	2023-05-23 07:00:00	2023-05-23 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
540	5128/2023_112	2028	2023	2	2023-05-24 07:00:00	2023-05-24 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
541	5128/2023_113	2028	2023	2	2023-05-25 07:00:00	2023-05-25 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
542	5128/2023_114	2028	2023	2	2023-05-26 07:00:00	2023-05-26 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
543	5128/2023_115	2028	2023	2	2023-05-27 07:00:00	2023-05-27 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
544	5128/2023_116	2028	2023	2	2023-05-28 07:00:00	2023-05-28 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
545	5128/2023_117	2028	2023	2	2023-05-29 07:00:00	2023-05-29 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
546	5128/2023_118	2028	2023	2	2023-05-30 07:00:00	2023-05-30 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
547	5128/2023_119	2028	2023	2	2023-05-31 07:00:00	2023-05-31 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
548	5128/2023_120	2028	2023	2	2023-06-01 07:00:00	2023-06-01 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
549	5128/2023_121	2028	2023	2	2023-06-02 07:00:00	2023-06-02 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
550	5128/2023_122	2028	2023	2	2023-06-03 07:00:00	2023-06-03 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
551	5128/2023_123	2028	2023	2	2023-06-04 07:00:00	2023-06-04 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
552	5128/2023_124	2028	2023	2	2023-06-05 07:00:00	2023-06-05 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
553	5128/2023_125	2028	2023	2	2023-06-06 07:00:00	2023-06-06 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
554	5128/2023_126	2028	2023	2	2023-06-07 07:00:00	2023-06-07 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
555	5128/2023_127	2028	2023	2	2023-06-08 07:00:00	2023-06-08 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
556	5128/2023_128	2028	2023	2	2023-06-09 07:00:00	2023-06-09 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
557	5128/2023_129	2028	2023	2	2023-06-10 07:00:00	2023-06-10 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
558	5128/2023_130	2028	2023	2	2023-06-11 07:00:00	2023-06-11 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
559	5128/2023_131	2028	2023	2	2023-06-12 07:00:00	2023-06-12 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
560	5128/2023_132	2028	2023	2	2023-06-13 07:00:00	2023-06-13 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
561	5128/2023_133	2028	2023	2	2023-06-14 07:00:00	2023-06-14 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
562	5128/2023_134	2028	2023	2	2023-06-15 07:00:00	2023-06-15 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
563	5128/2023_135	2028	2023	2	2023-06-16 07:00:00	2023-06-16 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
564	5128/2023_136	2028	2023	2	2023-06-17 07:00:00	2023-06-17 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
565	5128/2023_137	2028	2023	2	2023-06-18 07:00:00	2023-06-18 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
566	5128/2023_138	2028	2023	2	2023-06-19 07:00:00	2023-06-19 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
567	5128/2023_139	2028	2023	2	2023-06-20 07:00:00	2023-06-20 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
568	5128/2023_140	2028	2023	2	2023-06-21 07:00:00	2023-06-21 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
569	5128/2023_141	2028	2023	2	2023-06-22 07:00:00	2023-06-22 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
570	5128/2023_142	2028	2023	2	2023-06-23 07:00:00	2023-06-23 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
571	5128/2023_143	2028	2023	2	2023-06-24 07:00:00	2023-06-24 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
572	5128/2023_144	2028	2023	2	2023-06-25 07:00:00	2023-06-25 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
573	5128/2023_145	2028	2023	2	2023-06-26 07:00:00	2023-06-26 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
574	5128/2023_146	2028	2023	2	2023-06-27 07:00:00	2023-06-27 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
575	5128/2023_147	2028	2023	2	2023-06-28 07:00:00	2023-06-28 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.0	
576	5128/2023_148	2028	2023	2	2023-06-29 07:00:00	2023-06-29 15:00:00	8	578.3	183.4	0.6	1000.4	0.0	10.9	0.

790	4856x3654_3	3559	3654	3	2026-04-10 13:00:00	2026-05-10 15:00:00	4	359.1	194.7	0.6	567.1	438.9	33.6	184.7	
791	3965x3654_3	3458	3654	3	2026-04-11 04:00:00	2026-05-24 06:00:00	7	59.7	59.1	0.6	965.7	0.0	34.5	0.0	
792	6389x3654_3	4018	3654	3	2026-04-12 20:00:00	2026-05-12 07:00:00	4	148.8	83.5	0.5	383.3	0.0	76.0	0.0	
793	7283x3654_3	3558	3654	3	2026-04-13 16:00:00	2026-05-12 15:00:00	4	289.9	150.2	1.1	697.7	491.4	51.9	109.3	
794	6389x3654_3	3559	3654	3	2026-04-20 06:30:00	2026-05-13 05:00:00	4	142.1	120.4	0.7	452.4	0.7	68.1	0.0	
795	9486x3654_3	3925	3654	3	2026-04-20 20:00:00	2026-05-20 18:00:00	7	274.7	160.2	1.2	458.8	384.1	68.8	0.0	
796	9391x3654_3	3559	3654	3	2026-04-24 01:30:00	2026-05-14 05:00:00	4	67.8	62.5	0.6	454.3	0.0	36.5	0.0	
797	4985x3654_3	3903	3654	3	2026-04-24 06:30:00	2026-05-14 14:00:00	7	316.9	181.8	1.1	456.6	466.1	39.1	153.9	
798	8963x3654_3	3557	3654	3	2026-04-25 01:30:00	2026-05-15 04:00:00	4	41.1	30.9	0.1	451.4	0.0	8.1	0.0	
799	6063x3654_3	3603	3654	3	2026-04-25 20:00:00	2026-05-25 14:00:00	5	128.8	103.6	1.0	470.2	413.4	7.4	0.0	
800	7093x3654_3	3559	3654	3	2026-04-26 09:30:00	2026-05-26 04:00:00	4	18.1	14.7	0.1	424.9	0.0	22.0	0.0	
801	9284x3654_3	3559	3654	3	2026-05-24 19:00:00	2026-05-26 15:00:00	6	204.8	149.8	0.3	692.7	557.6	33.0	0.0	
802	6063x3654_3	3558	3654	3	2026-05-27 10:00:00	2026-05-27 05:00:00	4	21.8	13.7	0.1	444.7	0.0	59.3	0.0	
803	6063x3654_3	3558	3654	3	2026-05-27 19:00:00	2026-05-27 17:00:00	3	529.9	193.9	0.6	455.5	495.5	35.2	45.4	
804	6063x3654_3	3558	3654	3	2026-05-27 21:00:00	2026-05-27 15:00:00	4	309.5	150.5	0.6	450.2	480.4	29.4	173.5	
805	6063x3654_3	3558	3654	3	2026-05-28 18:00:00	2026-05-28 14:00:00	7	108.5	177.3	1.6	453.1	456.5	7.1	48.4	
806	6063x3654_3	3558	3654	3	2026-05-28 23:00:00	2026-05-29 06:00:00	3	23.7	18.4	0.9	456.3	0.0	28.1	0.0	
807	6063x3654_3	3558	3654	3	2026-05-29 09:00:00	2026-05-29 16:00:00	6	39.3	151.8	0.9	460.2	454.1	22.9	0.0	
808	6063x3654_3	3559	3654	3	2026-05-30 01:00:00	2026-05-30 06:00:00	4	58.1	76.1	0.1	457.3	0.0	53.8	0.0	
809	6063x3654_3	3558	3654	3	2026-05-30 09:00:00	2026-05-30 20:00:00	1	0.0	0.0	0.0	459.1	507.4	26.7	0.0	
810	6063x3654_3	3558	3654	3	2026-05-31 15:00:00	2026-05-31 04:00:00	1	24.0	13.0	0.0	474.4	0.0	72.0	0.0	
811	5985x3654_3	3558	3654	3	2026-06-01 11:00:00	2026-06-15 15:00:00	1	321.3	158.3	0.8	850.5	881.8	26.2	0.0	
812	6186x3654_3	3558	3654	3	2026-02-01 21:00:00	2026-05-26 06:00:00	4	53.8	16.8	0.1	483.7	0.0	23.3	0.0	
813	6186x3654_3	3558	3654	3	2026-02-05 04:00:00	2026-05-26 05:00:00	6	253.8	165.7	1.0	788.3	895.2	30.4	0.0	
814	6186x3654_3	3558	3654	3	2026-02-05 10:00:00	2026-02-05 03:00:00	1	11.8	13.8	0.0	368.1	0.0	51.3	0.0	
815	6186x3654_3	3558	3654	3	2026-02-05 21:00:00	2026-02-06 04:00:00	3	31.7	30.4	0.1	390.4	0.0	51.4	0.0	
816	6186x3654_3	3558	3654	3	2026-02-06 09:00:00	2026-02-26 14:00:00	6	264.8	171.9	1.0	794.0	864.9	84.6	0.0	
817	6186x3654_3	3558	3654	3	2026-02-27 00:00:00	2026-03-05 15:00:00	6	107.9	154.9	1.2	784.8	822.4	33.7	91.3	
818	6186x3654_3	3558	3654	3	2026-03-04 00:00:00	2026-03-04 03:00:00	1	1.2	1.1	0.0	534.6	0.0	30.0	0.0	
819	6186x3654_3	3558	3654	3	2026-03-04 09:00:00	2026-03-26 14:00:00	7	284.0	171.4	1.2	845.8	887.7	37.9	126.7	
820	6186x3654_3	3558	3654	3	2026-03-26 21:00:00	2026-03-26 09:00:00	2	10.4	24.0	0.2	483.1	0.0	24.0	0.0	
821	6186x3654_3	3558	3654	7	2026-03-26 23:00:00	2026-03-26 11:00:00	3	219.3	257.0	0.8	764.3	956.5	30.0	144.9	
822	6186x3654_3	3558	3654	3	2026-03-27 13:00:00	2026-03-27 13:00:00	3	109.9	192.4	0.6	695.5	468.9	56.0	195.4	
823	6186x3654_3	3558	3654	3	2026-03-28 02:00:00	2026-03-28 04:00:00	3	26.3	26.4	0.1	454.3	0.0	57.9	0.0	
824	6186x3654_3	3558	3654	3	2026-03-28 09:00:00	2026-03-28 17:00:00	2	109.5	116.4	0.7	726.0	542.1	26.7	159.4	
825	6186x3654_3	3558	3654	3	2026-03-28 19:00:00	2026-03-29 06:00:00	4	109.5	109.3	0.3	663.0	630.1	0.7	171.8	
826	6186x3654_3	3558	3654	4	2026-03-29 14:00:00	2026-03-29 14:00:00	4	109.8	140.1	0.5	693.3	551.2	47.4	37.5	
827	6186x3654_3	3558	3654	4	2026-03-30 00:00:00	2026-03-30 00:00:00	4	0.9	0.9	0.0	453.8	0.0	69.3	0.0	
828	6186x3654_3	3558	3654	3	2026-03-31 07:00:00	2026-04-27 13:00:00	1	218.2	116.6	0.6	714.9	597.1	0.0	0.0	
829	7283x3654_3	3558	3654	3	2026-03-27 13:00:00	2026-04-07 17:00:00	4	109.5	116.3	0.6	726.6	465.1	33.9	124.6	
830	6186x3654_3	3558	3654	3	2026-03-04 09:00:00	2026-03-05 10:00:00	3	261.0	118.7	0.9	703.2	483.1	0.0	0.0	
831	7186x3654_3	3558	3654	3	2026-02-06 12:00:00	2026-04-24 14:00:00	1	109.5	226.0	0.7	969.8	949.1	0.0	64.8	
832	6186x3654_3	3558	3654	1	2026-03-04 04:00:00	2026-03-04 09:00:00	1	27.3	27.3	0.0	443.7	0.0	0.0	0.0	
833	5389x3654_3	3603	3654	2	2026-02-09 03:00:00	2026-02-09 14:00:00	7	109.0	110.9	1.2	675.4	483.6	7.9	271.8	
834	5389x3654_3	3558	3654	2	2026-02-10 05:00:00	2026-02-10 08:00:00	4	47.4	43.1	0.2	444.3	0.0	0.0	0.0	
835	5389x3654_3	4018	3654	1	2026-02-10 08:00:00	2026-02-10 17:00:00	3	109.0	210.0	0.9	696.3	709.1	3.6	97.3	
836	7389x3654_3	3558	3654	1	2026-02-10 14:00:00	2026-02-10 15:00:00	2	101.1	211.9	0.4	626.4	552.1	4.6	0.0	
837	6389x3654_3	3558	3654	3	2026-02-11 01:00:00	2026-02-11 05:00:00	4	37.3	33.0	0.0	429.3	0.0	0.0	0.0	
838	6389x3654_3	3558	3654	2	2026-02-11 17:00:00	2026-02-11 21:00:00	5	109.5	198.2	0.9	629.4	705.8	10.6	171.3	
839	6389x3654_3	4018	3654	3	2026-02-11 23:00:00	2026-02-11 15:00:00	3	109.5	181.1	0.9	653.5	595.4	3.0	89.3	
840	6389x3654_3	3558	3654	3	2026-02-12 00:00:00	2026-02-12 05:00:00	3	93.4	66.2	0.3	413.8	0.0	34.3	0.0	
841	6389x3654_3	3558	3654	1	2026-02-12 10:00:00	2026-02-12 14:00:00	3	367.5	194.7	0.8	700.0	775.4	40.9	0.0	
842	6389x3654_3	3558	3654	2	2026-02-13 03:00:00	2026-02-13 09:00:00	3	45.4	42.0	0.1	429.0	0.0	57.5	0.0	
843	7389x3654_3	3558	3654	1	2026-02-14 03:00:00	2026-02-14 04:00:00	4	34.9	17.6	0.1	434.7	0.0	34.1	0.0	
844	7389x3654_3	3558	3654	1	2026-02-14 09:00:00	2026-02-14 19:00:00	7	243.1	154.5	0.1	686.6	496.5	22.0	0.0	
845	6389x3654_3	3558	3654	3	2026-02-15 00:00:00	2026-02-15 04:00:00	3	18.8	14.2	0.0	423.9	0.0	0.0	0.0	
846	6389x3654_3	3558	3654	3	2026-02-15 09:00:00	2026-02-15 15:00:00	4	259.5	142.7	0.4	723.7	575.3	29.4	0.0	
847	6389x3654_3	3558	3654	3	2026-02-16 01:00:00	2026-02-16 04:00:00	3	15.7	8.3	0.0	448.3	0.0	21.0	0.0	
848	6389x3654_3	3558	3654	1	2026-02-16 09:00:00	2026-02-16 14:00:00	4	253.6	153.5	1.0	708.6	477.4	14.9	34.4	
849	6389x3654_3	3558	3654	1	2026-02-16 21:00:00	2026-02-17 04:00:00	3	14.2	10.0	0.0	442.3	0.0	0.0	0.0	
850	6389x3654_3	3558	3654	2	2026-02-17 08:00:00	2026-02-17 12:00:00	3	109.5	191.1	0.9	638.7	686.9	15.2	193.1	
851	6389x3654_3	3558	3654	1	2026-02-17 13:00:00	2026-02-17 18:00:00	4	109.5	196.3	0.8	626.0	659.6	35.8	159.6	
852	6389x3654_3	3558	3654	2	2026-02-18 07:00:00	2026-02-18 14:00:00	4	109.5	160.0	1.1	574.1	551.6	6.1	21.0	
853	6389x3654_3	3558	3654	1	2026-02-19 00:00:00	2026-02-19 03:00:00	2	77.2	38.1	0.3	445.5	0.0	45.8	0.0	
854	5389x3654_3	3603	3654	2	2026-02-19 09:00:00	2026-02-19 09:00:00	2	109.5	211.8	0.5	706.0	552.7	45.4	0.0	
855	6389x3654_3	3558	3654	1	2026-02-19 12:00:00	2026-02-19 16:00:00	3	109.5	206.3	0.8	677.0	674.1	18.9	202.5	
856	5389x3654_3	3603	3654	1	2026-02-19 18:00:00	2026-02-19 15:00:00	3	109.5	192.3	0.7	643.1	574.3	34.9	109.3	
857	7389x3654_3	3558	3654	1	2026-02-20 00:00:00	2026-02-20 00:00:00	1	1.8	0.9	0.0	422.2	0.0	0.0	0.0	
858	7389x3654_3	3558	3654	1	2026-02-20 08:00:00	2026-02-20 17:00:00	1	109.5	199.5	0.6	580.8	579.2	0.4	140.9	
859	6389x3654_3	3558	3654	5	2026-02-20 12:00:00	2026-02-20 15:00:00	4	109.5	199.7	0.8	590.4	562.0	8.0	21.6	
860	6389x3654_3	3558	3654	1	2026-02-21 00:00:00	2026-02-21 03:00:00	1	1.8	0.8	0.0	413.5	0.0	0.0	0.0	
861	6389x3654_3	3558	3654	2	2026-02-21 06:00:00	2026-02-21 10:00:00	4	207.7	184.3	0.8	573.0	550.4	0.0	91.3	
862	6389x3654_3	3558	3654	1	2026-02-21 13:00:00	2026-02-21 19:00:00	4	109.5	179.3	0.7	628.7	571.0	7.8	134.1	
863	6389x3654_3	3558	3654	2	2026-02-22 01:00:00	2026-02-22 04:00:00	3	32.4	14.0	0.0	401.7	0.0	11.0	0.0	
864	6389x3654_3	3558	3654	2	2026-02-22 06:00:00	2026-02-22 12:00:00	3	109.5	190.5	1.0	669.4	568.1	3.8	643.0	
865	6389x3654_3	3558	3654	2	2026-02-22 14:00:00	2026-02-22 18:00:00	2	204.5	171.8	0.8	628.5	611.9	15.3	0.0	
866	6389x3654_3	3603	3654	2	2026-02-23 01:30:00	2026-02-23 05:00:00	1	12.8	11.7	0.0	410.1	0.0	14.3	0.0	
867	6389x3654_3	3558	3654	2	2026-02-23 06:00:00	2026-02-23 13:00:00	7	109.5	149.8	0.9	644.6	481.8	0.7	129.3	
868	6389x3654_3	3603	3654	3	2026-02-24 01:00:00	2026-02-24 04:00:00	4	54.6	32.5	0.1	453.1	0.0	59.3	0.5	
869	6389x3654_3	3558	3654	3	2026-02-24 06:30:00	2026-02-24 15:00:00	4	109.5	229.7	0.7	690.7	506.0	36.1	126.0	
870	6389x3654_3	3603	3654	2	2026-02-24 15:30:00	2026-02-24 13:00:00	3	109.5	189.5	0.8	594.0	609.8	4.2	151.9	
871	6389x3654_3	4029	3654	1	2026-02-24 20:00:00	2026-02-24 19:00:00	1	109.5	211.1	0.8	556.1	477.8	6.4	159.5	
872	7389x3654_3	3603	3654	1	2026-02-25 01:30:00	2026-02-25 05:30:00	1	21.4	42.8	0.2	415.4	0.0	49.4	0.2	
873	6389x3654_3	3558	3654	2	2026-02-25 07:30:00	2026-02-25 09:00:00	1	75.0	173.7	0.6	488.8	562.8	0.7	0.0	
874	6389x3654_3	3603	3654	1	2026-02-25 10:30:00	2026-02-25 15:00:00	1	109.5	213.5	0.6	529.7	447.1	1.5	128.3	
875	6389x3654_3	3654	3654	2	2026-02-26 14:30:00	2026-02-26 18:00:00	1	109.5	191.3	0.7	491.6	439.8	33.3	203.1	
876	7389x3654_3	3603	3654	2	2026-02-26 22:30:00	2026-02-27 01:00:00	1	12.8	13.8	0.0	379.4	0.0	0.0	0.0	
877	9389x3654_3	3558	3654	3	2026-02-26 08:30:00	2026-02-27 01:00:00	4	109.5	175.9	0.7	648.0	481.8	21.9	129.0	
878	9389x3654_3	3558	3654	3	2026-02-28 10:00:00	2026-03-25 10:00:00	1	106.0	195.9	0.7	613.8	504.0	36.8	115.1	
879	9389x3654_3	3558	3654	3	2026-03-27 06:30:00	2026-03-27 08:00:00	6	99.1	64.7	0.4	458.8	0.0	36.9	0.0	
880	9389x3654_3	3558	3654	3	2026-04-27 09:00:00	2026-04-27 13:00:00	1	109.5	153.4	0.7	654.1	508.8	23.1	113.4	
881	9389x3654_3	3558	3654	3	2026-01-27 12:00:00	2026-01-27 12:00:00	1	109.5	109.5	0.3	693.9	648.2	0.7	284.9	
882	9389x3654_3	3558	3654	2	2026-01-27 14:00:00	2026-01-27 14:00:00	3	109.5	153.3	0.6	653.1	564.9	17.6	126.4	
883	9389x3654_3	3558	3654	3	2026-01-28 01:00:00	2026-01-28 04:00:00	4	41.5	30.5	0.2	459.9	0.0	28.9	0.0	
884	9389x3654_3	3558	3654	3	2026-01-28 07:00:00	2026-01-28 13:00:00	4	109.5	179.7	0.8	695.7	508.4	32.6	107.8	
885	9389x3654_3	3558	3654	3	2026-01-28 23:00:00	2026-01-29 02:00:00	3	109.0	168.5	0.2	628.6	591.8	7.2	203.5	
886	9389x3654_3	3558	3654	3	2026-01-29 14:00:00	2026-01-29 16:00:00	3	109.5	150.9	0.5	653.0	492.3	7.5	109.1	
887	9389x3654_3	3558	3654	3	2026-01-29 20:00:00	2026-01-29 15:00:00	5	56.7	40.1	0.2	458.5	0.0	19.4	0.0	
888	9389x3654_3	3558	3654	3	2026-01-29 23:00:00	2026-01-29 09:00:00	2	109.5	196.9	0.5	634.8	564.2	36.0	17.4	
889	9389x3654_3	3558	3654	3	2026-01-29 11:30:00	2026-01-29 15:00:00	3	109.5	159.5	0.4	630.0	628.3	7.2	179.3	
890	9389x3654_3	3558	3654	3	2026-01-29 14:00:00	2026-01-29 18:00:00	3	109.5	183.3	0.6	599.4	630.7	6.8	207.2	
891	9389x3654_3	3558	3654	3	2026-01-31 01:00:00	2026-02-01 01:00:00	1	6.4	8.4	0.0	431.8	0.0	5.0	0.0	
892	9389x3654_3	3558	3654	3	2026-02-01 01:00:00	2026-02-01 03:00:00	1	0.2	0.5	0.0	390.6	0.0	40.0	0.2	
893	9389x3654_3	3558	3654	4	2026-02-01 07:00:00	2026-02-01 11:00:00	3	106.8	161.3	0.7	655.5	621.7	11.0	159.9	
894	9389x3654_3	3558	3654	1	2026-02-01 21:00:00	2026-02-01 15:00:00	1	109.5	109.5	0.3	548.8	561.3	31.3	424.4	
895	4389x3654_3	3558	3654	3	2026-02-01 14:00:00	2026-02-01 14:00:00	3	109.5	154.8	0.7	535.2	476.1	30.8	181.4	
896	9389x3654_3	3558	3654	3	2026-02-02 10:00:00	2026-02-01 17:00:00	3	109.5	45.9	0.6	430.4	30.5	35.1	49.0	
897	9389x3654_3	3558	3654	3	2026-02-02 21:00:00	2026-02-02 16:00:00	3	109.5	109.5	0.6	524.6	513.7	58.3	184.7	
898	9389x3654_3	3558	3654	3	2026-02-03 03:00:00	2026-02-03 03:00:00	1	109.5	109.5	0.3	525.5	555.8	53.1	458.4	
899	9389x3654_3	3558	3654	3	2026-02-03 13:00:00	2026-02-03 16:00:00	3	109.8	165.9	0.4	597.2	593.8	54.1	67.3	
900	9389x3654_3	3558	3654	3	2026-02-03 20:00:00	2026-02-04 04:00:00	3	43.8	43.4	0.2	391.1	0.0	73.0	0.0	
901	9389x3654_3	4018	3654	3	2026-02-04 07:00:00	2026-02-04 09:00:00	3	109.8	152.3	0.6	655.9	492.1	55.3	71.7	
902	9389x3654_3	3558	3654	3	2026-02-04 13:00:00	2026-02-04 15:00:00	3	109.5	109.9	0.3	653.5	583.3	33.3	187.4	
903	9389x3654_3	3558	3654	3	2026-02-05 13:00:00	2026-02-05 19:00:00	3	109.5	171.3	0.5	598.9	464.9	36.9	177.1	
904	9389x3654_3	3558	3654	3	2026-02-06 04:00:00	2026-02-06 04:00:00	3	45.6	18.9	0.1	454.8	0.0	43.3	0.0	
905	9389x3654_3	3558	3654	3	2026-02-06 09:00:00	2026-02-06 18:00:00	10	109.3	121.1	1.2	654.2	567.4	33.8	173.7	
906	9389x3654_3	3558	3654	3	2026-02-06 21:00:00	2026-02-06 09:00:00	4	32.6	41.2	0.2	458.3	0.0	50.2	0.0	
907	9389x3654_3	3558	3654	3	2026-02-07 00:00:00	2026-02-07 15:00:00	3	109.5	175.1	0.8	628.8	574.1	0.0	154.9	
908	9389x3654_3	3558	3654	3	2026-02-08 13:00:00	2026-02-08 15:00:00	3	109.5	109.3	0.6	675.7	568.5	59.5	69.5	
909	9389x3654_3	3558	3654	3	2026-02-08 21:00:00	2026-02-08 04:00:00	4	47.4	36.8	0.3	380.1	0.0	49.1	0.0	
910	9389x3654_3	3558	3654	3	2026-02-09 07:00:00	2026-02-09 09:00:00	3	109.4	194.1	0.6	624.3	496.3	1.9	53.7	
911	9389x3654_3	3558	3654	3	2026-02-09 11:00:00	2026-02-09 15:00:00	3	109.5	109.5	0.6	576.2	574.6	58.3	429.9	
912	9389x3654_3	3558	3654	3	2026-02-09 17:00:00	2026-02-09 20:00:00	3	109.5	180.3	0.5	540.0	556.9	44.3	159.0	
913	9389x3654_3	3558	3654	3	2026-02-09 23:00:00	2026-02-09 18:00:00	4	46.1	51.0	0.2	394.7	0.0	51.0	0.0	
914	9389x3654_3	3558	3654	3	2026-02-10 07:00:00	2026-02-10 07:00:00	3	109.7	197.7	0.8	497.2	422.4	53.4	0.7	
915	9389x3654_3	3558	3654	3	2026-02-10 11:00:00	2026-02-10 12:00:00	3	109.5	109.5	0.8	414.0	588.8	44.1	284.7	
916	9389x3654_3	3558	3654	3	2026-02-10 14:00:00	2026-02-10 16:30:00	3	109.5	169.7	0.5	384.3	351.7	72.1	81.3	
917	9389x3654_3	3558	3654	3	2026-02-10 20:00:00	2026-02-10 05:00:00	4	78.8	91.3	0.3	399.2	0.0	23.0	0.0	
918	9389x3654_3	3558	3654	3	2026-02-09 21:00:00	2026-02-09 10:00:00	3	109.5	210.7	0.9	513.5	424.6	18.1	103.9	
919	9389x3654_3	3558	3654	3	2026-02-08 11:00:00	2026-02-08 13:00:00	1	109.9	109.5	0.3	528.3	521.1	30.1	184.4	
920	9389x3654_3	3558	3654	3	2026-02-08 14:00:00	2026-02-08 17:00:00	3	109.5	109.5	0.4	547.3	590.6	16.1	175.9	
921	9389x3654_3	3558	3654	3	2026-02-08 21:00:00	2026-02-09 04:00:00	3	99.3	99.3	0.3	425.6	136.3	35.1	446.8	
922	9389x3654_3	3558	3654	3	2026-02-09 11:00:00	2026-02-09 21:00:00	3	109.5	109.5	0.6	594.4	538.6	33.9	443.8	
923	9389x3654_3	3558	3654	3	2026-02-09 14:00:00	2026-02-09 20:00:00	3	109.5	186.2	0.6	547.9	536.4	45.1	90.0	
924	9389x3654_3	3558	3654	3	2026-02-09 20:00:00	2026-02-09 10:00:00	4	36.3	54.7	0.4	489.3	0.0	49.6	0.0	
925	9389x3654_3	3558	3654	3	2026-02-10 17:00:00	2026-02-10 20:00:00	4	109.5	218.8	0.5	540.3	559.8	13.9	268.0	
926	9389x3654_3	3558	3654	3	2026-02-10 13:00:00	2026-02-10 17:00:00	1	109.5	109.5	0.3	538.8	598.6	13.4	45.2	
927	9389x3654_3	3558	3654	3	2026-02-10 10:00:00	2026-02-10 13:00:00	3	109.5	204.7	0.6	599.9	470.9	19.6	37.2	
928	9389x3654_3	3558	3654	3	2026-02-11 20:00:00	2026-02-11 14:00:00	3	59.9	46.9	0.2	423.9	0.0	73.0	0.0	
929	9389x3654_3	3558	3654	3	2026-02-11 23:00:00	2026-02-12 04:00:00	4	109.5	184.2	1.2	637.9	0.0	40.9	408.3	
930	9389x3654_3	3558	3654	3	2026-02-12 05:00:00	2026-02-12 14:00:00	4	42.5	42.3	0.1	395.4	0.0	13.3	0.0	
931	9389x3654_3	3558	3654	3	2026-02-12 07:00:00	2026-02-12 10:00:00	4	109.5	215.0	0.5	625.3	515.3	0.0	413.6	
932	9389x3654_3	3558	3654	4	2026-02-12 13:00:00	2026-02-12 20:00:00	4	109.5	109.7	0.3	631.3	639.6	7.2	151.8	
933	9389x3654_3	3558	3654	3	2026-02-12 14:00:00	2026-02-12 14:00:00	4	109.5	180.6	0.6	590.7	627.9	10.0	140.2	
934	9389x3654_3	3558	3654	3	2026-02-12 21:00:00	2026-02-13 04:00:00	4	41.5	35.5	0.1	391.8	0.0	16.5	0.0	
935	9389x3654_3	3558	3654	3	2026-02-13 07:00:00	2026-02-13 07:00:00	3	109.5	208.5	0.6	618.3	583.4	14.3	305.2	
936	9389x3654_3	3558	3654	3	2026-02-13 10:00:00	2026-02-13 14:00:00	3	109.5	180.2	0.6	635.2	619.9	9.0	148.8	
937	9389x3654_3	3558	3654	3	2026-02-13 14:00:00	2026-02-13 19:00:00	3	109.8	179.0	0.3	590.8	428.0	3.8	178.4	
938	9389x3654_3	3558	3654	3	2026-02-14 00:00:00	2026-02-14 04:00:00	4	94.3	93.7	0.1	460.7	0.0	22.8

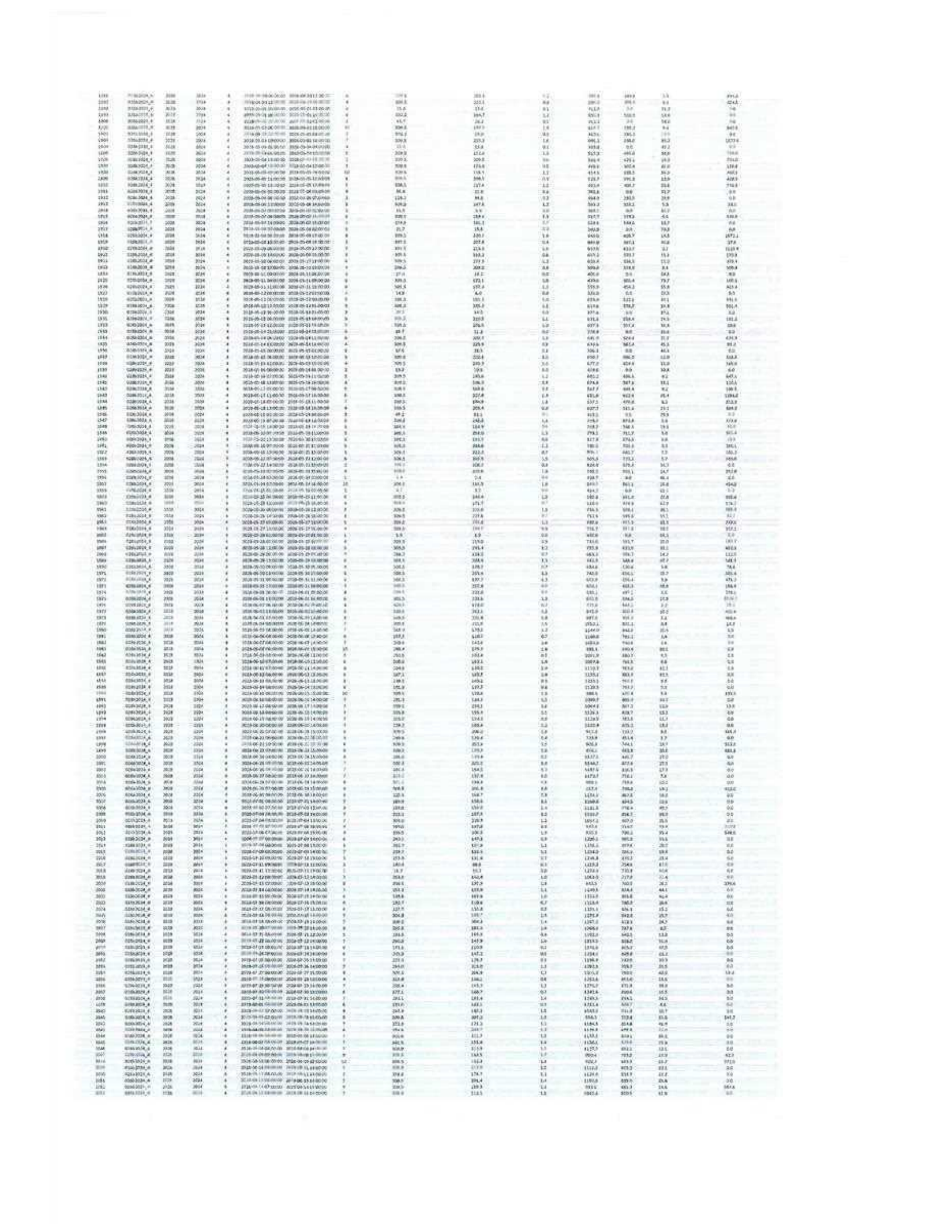


1206	9286/2014_1	2038	2014	1	2038-04-20 10:00:00	2038-04-19 01:00:00	1	174.9	878.1	0.2	692.8	186.6	1.7	693.0
1207	9286/2014_2	2038	2014	1	2038-04-02 13:00:00	2038-04-09 10:00:00	4	305.3	216.5	0.8	184.3	497.2	5.9	329.7
1208	9286/2014_3	2014	2014	1	2038-05-01 00:00:00	2038-05-01 23:00:00	4	15.8	17.1	0.1	412.7	0.0	56.8	0.0
1209	9286/2014_4	2038	2038	1	2038-05-03 09:00:00	2038-05-01 14:00:00	3	501.2	874.4	1.0	693.9	945.8	14.8	0.0
1210	9286/2014_5	2038	2038	1	2038-05-01 00:00:00	2038-05-02 24:00:00	1	48.7	34.2	0.1	412.1	0.0	16.8	0.0
1211	9286/2014_6	2038	2014	1	2038-05-02 06:00:00	2038-05-01 01:00:00	5	306.5	160.1	1.0	827.1	450.9	0.5	2700.0
1212	9286/2014_7	2038	2014	1	2038-05-02 13:00:00	2038-05-21 24:00:00	4	306.1	945.9	0.6	412.2	403.4	31.0	37.7
1213	9286/2014_8	2038	2014	1	2038-05-03 02:00:00	2038-05-03 09:00:00	6	306.2	89.1	0.6	478.0	245.4	13.4	1500.0
1214	9286/2014_9	2038	2014	1	2038-05-03 12:00:00	2038-05-10 11:00:00	6	306.2	306.9	0.1	819.1	675.4	21.9	308.1
1215	9286/2014_1	2038	2014	1	2038-05-03 14:00:00	2038-05-01 15:00:00	5	306.8	293.1	0.7	994.9	109.8	52.4	188.8
1216	9286/2014_2	2038	2014	1	2038-05-04 01:00:00	2038-05-04 21:00:00	3	34.7	34.7	0.0	406.6	0.0	32.7	0.0
1217	9286/2014_3	2038	2014	1	2038-05-04 05:00:00	2038-05-04 19:00:00	4	524.3	172.1	0.7	459.2	627.3	85.1	119.2
1218	9286/2014_4	2038	2014	1	2038-05-04 10:00:00	2038-05-04 17:00:00	1	282.5	280.8	0.5	558.6	420.7	20.9	309.9
1219	9286/2014_5	2038	2014	1	2038-05-04 11:00:00	2038-05-04 13:00:00	1	306.5	306.8	0.6	586.6	623.3	19.1	768.0
1220	9286/2014_6	2038	2014	2	2038-05-04 15:00:00	2038-05-04 17:00:00	1	306.5	159.1	0.5	675.1	305.0	79.6	154.7
1221	9286/2014_7	2038	2014	2	2038-05-07 02:00:00	2038-05-07 20:00:00	2	41.9	41.9	0.0	382.8	0.0	67.2	0.0
1222	9286/2014_8	2038	2014	1	2038-05-08 08:00:00	2038-05-08 08:00:00	4	309.0	194.7	0.8	447.4	319.0	45.8	195.8
1223	9286/2014_9	2038	2014	2	2038-05-08 18:00:00	2038-05-11 14:00:00	1	305.5	251.3	0.5	533.8	598.1	53.1	697.8
1224	9286/2014_1	2038	2014	2	2038-05-09 13:00:00	2038-05-09 19:00:00	1	306.9	306.8	0.7	564.9	598.7	11.4	54.4
1225	9286/2014_2	2038	2014	2	2038-05-09 15:00:00	2038-05-09 17:00:00	1	187.4	0.0	0.6	488.8	348.3	77.8	30.5
1226	9286/2014_3	2038	2014	2	2038-05-09 16:00:00	2038-05-09 20:00:00	4	18.8	13.8	0.1	783.3	0.0	51.7	0.0
1227	9286/2014_4	2038	2014	2	2038-05-09 18:00:00	2038-05-09 20:00:00	1	119.1	94.8	0.2	484.0	199.5	29.9	0.0
1228	9286/2014_5	2038	2014	2	2038-05-09 19:00:00	2038-05-10 14:00:00	1	225.2	193.1	1.0	595.2	530.0	5.7	199.7
1229	9286/2014_6	2038	2014	2	2038-05-09 20:00:00	2038-05-09 21:00:00	2	65.8	5.6	0.0	384.5	0.0	45.3	0.0
1230	9286/2014_7	2038	2014	2	2038-05-09 21:00:00	2038-05-10 09:00:00	4	309.2	309.8	0.9	552.5	525.1	5.8	60.8
1231	9286/2014_8	2038	2014	2	2038-05-09 23:00:00	2038-05-10 11:00:00	1	251.0	251.0	0.9	671.4	588.9	29.6	0.0
1232	9286/2014_9	2038	2014	2	2038-05-10 13:00:00	2038-05-10 15:00:00	4	214.8	191.2	0.7	426.5	344.6	16.7	0.0
1233	9286/2014_1	2038	2014	2	2038-05-10 20:00:00	2038-05-10 21:00:00	2	21.2	15.4	0.0	462.0	0.0	70.3	0.0
1234	9286/2014_2	2038	2014	2	2038-05-10 21:00:00	2038-05-11 09:00:00	4	309.5	309.5	0.0	454.4	478.8	34.6	0.0
1235	9286/2014_3	2038	2014	2	2038-05-11 00:00:00	2038-05-11 01:00:00	1	309.1	309.2	0.8	654.0	743.5	7.9	206.0
1236	9286/2014_4	2038	2014	2	2038-05-11 11:00:00	2038-05-11 20:00:00	1	306.5	306.5	0.9	652.4	711.1	4.4	320.4
1237	9286/2014_5	2038	2014	2	2038-05-11 14:00:00	2038-05-11 20:00:00	1	306.3	306.3	0.7	650.1	626.0	36.6	679.3
1238	9286/2014_6	2038	2014	2	2038-05-11 15:00:00	2038-05-11 20:00:00	1	5.3	2.3	0.0	580.4	0.0	8.6	0.0
1239	9286/2014_7	2038	2014	2	2038-05-12 12:00:00	2038-05-12 00:00:00	5	46.6	37.0	0.1	548.2	0.0	53.6	0.0
1240	9286/2014_8	2038	2014	2	2038-05-13 06:00:00	2038-05-13 09:00:00	4	307.5	170.3	0.7	633.3	475.0	46.0	514.9
1241	9286/2014_9	2038	2014	2	2038-05-13 11:00:00	2038-05-13 13:00:00	1	309.3	309.2	0.5	668.0	713.8	39.0	240.3
1242	9286/2014_1	2038	2014	2	2038-05-13 12:00:00	2038-05-13 13:00:00	4	309.8	314.4	0.9	613.3	540.0	16.1	523.3
1243	9286/2014_2	2038	2014	2	2038-05-13 20:00:00	2038-05-13 00:00:00	5	46.1	26.0	0.1	585.3	0.0	34.8	0.0
1244	9286/2014_3	2038	2014	2	2038-05-13 06:00:00	2038-05-13 09:00:00	4	309.5	177.2	0.7	620.9	518.1	24.4	41.7
1245	9286/2014_4	2038	2014	2	2038-05-13 11:00:00	2038-05-13 11:00:00	1	309.9	309.2	0.5	693.3	748.8	25.3	34.1
1246	9286/2014_5	2038	2014	2	2038-05-13 13:00:00	2038-05-13 19:00:00	4	309.5	161.8	0.7	629.1	513.3	13.6	8.8
1247	9286/2014_6	2038	2014	2	2038-05-14 00:00:00	2038-05-14 04:00:00	5	42.7	18.8	0.1	548.8	0.0	33.1	0.0
1248	9286/2014_7	2038	2014	2	2038-05-14 04:00:00	2038-05-14 12:00:00	1	306.5	189.4	0.8	678.4	544.8	21.1	304.3
1249	9286/2014_8	2038	2014	2	2038-05-14 12:00:00	2038-05-14 17:00:00	1	306.0	309.8	0.3	648.4	653.4	23.5	346.1
1250	9286/2014_9	2038	2014	2	2038-05-14 14:00:00	2038-05-14 20:00:00	1	307.1	306.4	0.6	654.7	548.1	45.3	5.4
1251	9286/2014_1	2038	2014	2	2038-05-15 00:00:00	2038-05-15 09:00:00	1	47.6	26.2	0.1	596.2	0.0	44.9	0.0
1252	9286/2014_2	2038	2014	2	2038-05-15 06:00:00	2038-05-15 09:00:00	4	306.5	170.3	0.7	635.3	544.9	10.8	139.6
1253	9286/2014_3	2038	2014	2	2038-05-16 12:00:00	2038-05-16 21:00:00	1	306.5	306.5	0.3	703.1	670.4	22.7	272.3
1254	9286/2014_4	2038	2014	2	2038-05-17 13:00:00	2038-05-17 15:00:00	1	306.5	211.3	0.7	679.4	626.7	54.5	142.7
1255	9286/2014_5	2038	2014	2	2038-05-18 12:00:00	2038-05-18 12:00:00	2	21.2	17.6	0.1	456.1	0.0	38.6	0.0
1256	9286/2014_6	2038	2014	2	2038-05-19 07:00:00	2038-05-19 09:00:00	1	306.2	289.0	0.6	613.9	603.2	8.9	48.4
1257	9286/2014_7	2038	2014	2	2038-05-19 11:00:00	2038-05-19 16:00:00	3	306.5	306.8	0.5	756.4	653.4	15.0	213.2
1258	9286/2014_8	2038	2014	2	2038-05-19 13:00:00	2038-05-19 16:00:00	4	306.2	199.2	0.9	674.9	587.1	33.1	120.1
1259	9286/2014_9	2038	2014	2	2038-05-19 17:00:00	2038-05-19 20:00:00	4	306.7	154.7	0.5	648.1	580.3	4.8	0.0
1260	9286/2014_1	2038	2014	2	2038-05-19 18:00:00	2038-05-19 20:00:00	1	306.5	306.5	0.1	674.5	706.1	13.1	460.0
1261	9286/2014_2	2038	2014	2	2038-05-19 19:00:00	2038-05-19 20:00:00	3	306.5	291.4	0.7	630.8	573.1	48.1	179.3
1262	9286/2014_3	2038	2014	2	2038-05-19 19:00:00	2038-05-19 20:00:00	4	306.5	174.2	0.7	548.6	465.7	2.7	288.1
1263	9286/2014_4	2038	2014	2	2038-05-19 21:00:00	2038-05-19 21:00:00	1	306.2	306.2	0.3	648.8	788.8	14.9	274.8
1264	9286/2014_5	2038	2014	2	2038-05-19 23:00:00	2038-05-20 10:00:00	4	306.5	220.2	0.8	697.9	560.9	31.9	452.2
1265	9286/2014_6	2038	2014	2	2038-05-20 07:00:00	2038-05-20 09:00:00	2	45.2	31.1	0.1	618.5	0.0	73.8	0.0
1266	9286/2014_7	2038	2014	2	2038-05-20 10:00:00	2038-05-20 12:00:00	4	306.8	298.6	0.9	745.5	629.4	3.6	165.8
1267	9286/2014_8	2038	2014	2	2038-05-20 14:00:00	2038-05-20 23:00:00	1	306.5	306.5	0.3	768.6	787.8	30.5	265.8
1268	9286/2014_9	2038	2014	2	2038-05-20 14:00:00	2038-05-20 16:00:00	2	306.9	176.4	0.7	752.7	618.4	58.1	87.5
1269	9286/2014_1	2038	2014	2	2038-05-20 20:00:00	2038-05-20 23:00:00	1	306.9	306.5	0.4	748.7	574.8	0.0	0.0
1270	9286/2014_2	2038	2014	2	2038-05-20 23:00:00	2038-05-20 23:00:00	2	306.5	309.0	0.6	834.1	832.3	7.8	313.4
1271	9286/2014_3	2038	2014	2	2038-05-20 23:00:00	2038-05-20 23:00:00	3	306.5	190.2	0.6	817.5	674.5	4.8	19.8
1272	9286/2014_4	2038	2014	2	2038-05-21 07:00:00	2038-05-21 09:00:00	4	306.9	309.1	0.9	765.5	658.6	0.1	46.8
1273	9286/2014_5	2038	2014	2	2038-05-21 18:00:00	2038-05-21 21:00:00	1	306.9	306.9	0.3	835.6	838.2	4.1	244.7
1274	9286/2014_6	2038	2014	2	2038-05-21 19:00:00	2038-05-21 21:00:00	4	306.5	212.2	0.7	686.2	691.1	1.7	152.1
1275	9286/2014_7	2038	2014	2	2038-05-22 07:00:00	2038-05-22 09:00:00	1	306.5	182.2	0.6	718.1	680.5	0.9	30.6
1276	9286/2014_8	2038	2014	2	2038-05-22 18:00:00	2038-05-23 01:00:00	1	306.5	309.5	0.2	870.9	804.5	7.4	183.2
1277	9286/2014_9	2038	2014	2	2038-05-23 12:00:00	2038-05-23 15:00:00	1	306.5	242.8	0.7	834.9	725.6	27.8	341.8
1278	9286/2014_1	2038	2014	2	2038-05-23 07:00:00	2038-05-23 12:00:00	1	306.5	160.7	1.2	794.1	594.6	33.5	493.8
1279	9286/2014_2	2038	2014	2	2038-05-23 14:00:00	2038-05-23 15:00:00	1	306.5	279.9	0.4	751.9	579.5	29.7	0.0
1280	9286/2014_3	2038	2014	2	2038-05-24 07:00:00	2038-05-24 11:00:00	1	306.5	306.2	0.6	686.0	691.3	15.3	165.2
1281	9286/2014_4	2038	2014	2	2038-05-24 13:00:00	2038-05-24 15:00:00	4	306.5	193.4	0.8	674.3	571.8	19.4	28.5
1282	9286/2014_5	2038	2014	2	2038-05-25 01:00:00	2038-05-25 10:00:00	1	4.7	2.3	0.0	594.3	0.0	63.1	0.0
1283	9286/2014_6	2038	2014	2	2038-05-25 06:00:00	2038-05-25 09:00:00	3	306.5	179.3	0.5	645.4	491.7	18.1	56.8
1284	9286/2014_7	2038	2014	2	2038-05-25 10:00:00	2038-05-25 10:00:00	1	306.5	306.5	0.1	634.4	673.3	18.5	308.8
1285	9286/2014_8	2038	2014	2	2038-05-25 12:00:00	2038-05-25 15:00:00	3	306.5	190.9	1.0	626.6	563.6	39.8	348.7
1286	9286/2014_9	2038	2014	2	2038-05-25 06:00:00	2038-05-25 10:00:00	4	306.5	179.4	0.5	673.9	488.5	12.4	14.3
1287	9286/2014_1	2038	2014	2	2038-05-26 18:00:00	2038-05-26 22:00:00	1	306.5	306.5	0.5	760.3	784.7	45.6	207.8
1288	9286/2014_2	2038	2014	2	2038-05-26 13:00:00	2038-05-26 13:00:00	1	306.5	306.5	0.5	780.7	715.5	47.1	159.2
1289	9286/2014_3	2038	2014	2	2038-05-26 14:00:00	2038-05-26 16:00:00	3	306.5	187.2	0.7	752.5	585.0	50.1	83.7
1290	9286/2014_4	2038	2014	2	2038-05-27 07:00:00	2038-05-27 08:00:00	3	306.9	139.0	0.7	719.3	647.1	16.7	118.8
1291	9286/2014_5	2038	2014	2	2038-05-27 11:00:00	2038-05-27 11:00:00	1	306.5	306.8	0.3	726.4	771.2	13.1	192.0
1292	9286/2014_6	2038	2014	2	2038-05-27 13:00:00	2038-05-27 16:00:00	4	306.5	196.2	0.8	736.7	562.9	26.6	102.9
1293	9286/2014_7	2038	2014	2	2038-05-28 01:00:00	2038-05-28 01:00:00	1	3.9	3.9	0.0	499.0	0.0	34.2	0.0
1294	9286/2014_8	2038	2014	2	2038-05-28 07:00:00	2038-05-28 10:00:00	4	306.5	196.0	0.9	783.0	661.2	34.9	193.7
1295	9286/2014_9	2038	2014	2	2038-05-28 12:00:00	2038-05-28 15:00:00	1	306.5	306.5	0.2	747.2	734.0	23.1	241.6
1296	9286/2014_1	2038	2014	2	2038-05-28 14:00:00	2038-05-28 24:00:00	1	194.1	194.6	0.9	716.7	560.5	53.7	128.7
1297	9286/2014_2	2038	2014	2	2038-05-29 06:00:00	2038-05-29 09:00:00	4	306.5	177.0	0.7	668.1	497.0	13.9	141.4
1298	9286/2014_3	2038	2014	2	2038-05-29 11:00:00	2038-05-29 11:00:00	1	306.5	309.5	0.5	753.5	687.4	44.9	207.3
1299	9286/2014_4	2038	2014	2	2038-05-29 18:00:00	2038-05-29 24:00:00	4	306.5	189.2	0.8	756.6	557.1	43.0	109.2
1300	9286/2014_5	2038	2014	2	2038-05-30 06:00:00	2038-05-30 09:00:00	4	306.9	179.2	0.7	684.9	518.9	9.8	79.8
1301	9286/2014_6	2038	2014	2	2038-05-30 13:00:00	2038-05-30 11:00:00	1	306.5	306.5	0.0	718.0	719.2	18.6	105.0
1302	9286/2014_7	2038	2014	2	2038-05-30 13:00:00	2038-05-30 13:00:00	5	306.5	116.6	0.2	706.4	599.0	21.3	24.1
1303	9286/2014_8	2038	2014	2	2038-05-31 06:00:00	2038-05-31 09:00:00	5	306.5	158.1	0.2	693.8	598.0	2.5	139.2
1304	9286/2014_9	2038	2014	2	2038-05-31 13:00:00	2038-05-31 15:00:00	4	306.5	306.5	0.6	714.9	643.4	24.4	109.9
1305	9286/2014_1	2038	2014	2	2038-05-31 14:00:00	2038-05-31 15:00:00	4	246.9	189.3	0.5	685.9	543.6	48.3	99.1
1306	9286/2014_2	2038	2014	2	2038-06-01 00:00:00	2038-06-01 05:00:00	2	306.5	184.2	0.6	643.8	543.4	5.6	39.7
1307	9286/2014_3	2038	2014	2	2038-06-01 03:00:00	2038-06-01 10:00:00	2	306.5	189.5	0.6	626.4	576.1	23.9	152.1
1308	9286/2014_4	2038	2014	2	2038-06-01 12:00:00	2038-06-01 12:00:00	4	306.5	306.1	0.3	662.9	676.3	28.7	285.1
1309	9286/2014_5	2038	2014	2	2038-06-01 14:00:00	2038-06-01 15:00:00	2	306.5	208.3	0.4	676.9	536.7	29.5	31.4
1310	9286/2014_6	2038	2014	2	2038-06-01 17:00:00	2038-06-01 21:00:00	4	306.5	179.1	0.7	707.6	548.1	3.2	79.2
1311	9286/2014_7	2038	2014	2	2038-06-02 11:00:00	2038-06-02 16:00:00	1	306.5	306.2	0.5	746.1	820.3	4.1	184.3
1312	9286/2014_8	2038	2014	2	2038-06-02 13:00:00	2038-06-02 15:00:00	4	306.5	192.4	0.7	704.8	579.4	11.7	130.9
1313	9286/2014_9	2038	2014	2	2038-06-03 07:00:00	2038-06-03 15:00:00	3	306.5	171.8	1.0	667.3	589.6	8.5	181.9
1314	9286/2014_1	2038	2014	2	2038-06-03 13:00:00	2038-06-03 14:00:00	2	306.5	306.5	0.6	1043.7	918.6	9.2	0.0
1315	9286/2014_2	2038	2014	2	2038-06-04 08:00:00	2038-06-04 14:00:00	7	306.5	183.4	1.2	1037.5	699.8	8.0	296.5
1316	9286/2014_3	2038	2014	2	2038-06-05 08:00:00	2038-06-05 14:00:00	7	306.5	181.6	1.1	1144.5	698.5	19.4	0.0
1317	9286/2014_4	2038	2014	2	2038-06-05 09:00:00	2038-06-05 13:00:00	7	306.5	187.6	0.7	1148.9	782.1	5.9	0.0
1318	9286/2014_5	2038	2014	2	2038-06-07 04:00:00	2038-06-07 14:00:00	7	306.5	194.9	1.0	1053.2	705.1	5.0	0.0
1319	9286/2014_6	2038	2014	2	2038-06-08 06:00:00	2038-06-08 10:00:00	5	306.9	167.8	0.8	617.8	561.7	11.6	4.3
1320	9286/2014_7	2038	2014	2	2038-06-08 13:00:00	2038-06-08 15:00:00	5	306.5	153.8	0.7	640.7	556.6	6.8	0.0
1321	9286/2014_8	2038	2014	2	2038-06-09 08:00:00	2038-06-09 11:00:00	5	307.0	153.4	0.5	1051.8	680.7	9.3	0.0
1322	9286/2014_9	2038	2014	2	2038-06-09 12:00:00	2038-06-09 14:00:00	5	306.5	183.8	0.5	1057.6	709.5	8.8	0.0
1323	9286/2014_1	2038	2014	2	2038-06-11 07:00:00	2038-06-11 14:00:00	7	306.5	150.6	1.0	1116.3	703.9	10.1	0.0
1324	9286/2014_2	2038	2014	2	2038-06-12 08:00:00	2038-06-12 13:00:00	5	306.5	154.3	1.0	1196.1	691.2	15.1	0.0
1325	9286/2014_3	2038	2014	2	2038-06-13 08:00:00	2038-06-13 13:00:00	5	306.5	160.1	0.9	1192.1	694.8	9.4	0.0
1326	9286/2014_4	2038	2014	2	2038-06-14 08:00:00	2038-06-14 14:00:00	7	306.5	157.7	0.9	1178.2	701.7	5.3	0.0
1327	9286/2014_5	2038	2014	2	2038-06-15 06:00:00	2038-06-15 09:00:00	4	306.9	169.7	0.6	797.8	539.8	8.4	0.0
1328	9286/2014_6	2038	2014	2	2038-06-15 11:00:00	2038-06-15 13:00:00	5	306.5	173.1	0.8	969.8	723.3	6.8	154.9
1329	9286/2014_7	2038	2014	2	2038-06-16 06:00:00	2038-06-16 14:00:00	7	306.5	167.8	1.1	1069.7	695.8	14.7	3.3
1330	9286/2014_8	2038	2014	2	2038-06-17 06:00:00	2038-06-17 14:00:00	7	306.7	178.4	1.2	1094.1	694.3	12.0	162.4
1331	9286/2014_9	2038	2014	2	2038-06-18 06:00:00	2038-06-18 14:00:00	7	307.6	169.8	1.0	1126.1	671.7	13.6	0.0
1332	9286/2014_1	2038	2014	2	2038-06-19 06:00:00	2038-06-19 14:00:00	7	307.0	164.3	0.9	1126.3	682.9	16.7	0.2
1333	9286/2014_2	2038	2014	2	2038-06-20 06:00:00	2038-06-20 13:00:00	7	306.7	152.9	1.1	1102.6	626.2	13.3	0.0
1334	9286/2014_3	2038	2014	2	2038-06-21 06:00:00	2038-06-21 14:00:00	7	264.2	139.7	0.6	662.7	559.1	4.2	141.6
1335	9286/2014_4	2038	2014	2	2038-06-21 11:00:00	2038-06-21 15:00:00	4	306.5	202.8	0.8	843.8	756.4	13.9	0.0
1336	9286/2014_5	2038	2014	2	2038-06-21 06:00:00	2038-06-22 05:00:00	4	309.5	177.4	0.7	748.2	626.0	2.7	19.8
1337	9286/2014_6	2038	2014	2	2038-06-22 11:00:00	2038-06-23 11:00:00	1	309.5	309.1	0.3	680.9	735.9	15.6	194.7
1338	9286/2014_7	2038	2014	2	2038-06-22 13:00:00	2038-06-22 15:00:00	1	309.5	186.4	0.8	703.2	559.2	16.7	51.2
1339	9286/2014_8	2038	2014	2	2038-06-23 06:00:00	2038-06-23 14:00:00	7	309.5	169.5	0.8	783.2	598.7	9.8	105.3
1340	9286/2014_9	2038	2014	2	2038-06-24 07:00:00	2038-06-24 14:00:00	7	309.5	165.8	0.8	1066.4	664.3	15.6	6.8
1341	9286/2014_1	2038	2014	2	2038-06-25 06:00:00	2038-06-25 14:00:00	7	309.5	154.8	0.9	1133.7	716.1	9.5	6.6
1342	9286/2014_2	2038	2014	2	2038-06-26 06:00:00	2038-06-26 14:00:00	7	309.5	164.3	0.9	1077.6	677.0	10.7	0.3
1343	9286/2014_3	2038	2014	2	2038-06-27 06:00:00	2038-06-27 14:00:00	7	309.5	171.3	0.9	1172.2	720.1	7.9	0.3
1344	9286/2014_4	2038	2014	2	2038-06-28 07:00:00	2038-06-28 14:00:00	6	271.3	151.2	1.0	959.6	568.5	9.3	70.2
1345	9286/2014_5	2038	2014	2	2038-06-29 06:00:00	2038-06-29 13:00:00	5	309.5	169.6	1.0	820.5	562.5	4.7	151.4
1346	9286/2014_6	2038	2014	2	2038-06-30 13:00:00	2038-06-30 19:00:00	5	296.9	189.1	0.6	804.8	726.6	11.8	6.8
1347	9286/2014_7	2038	2014	2	2038-07-01 06:00:00	2038-07-01 14:00:00	7	289.8	169.7	0.9	1154.4	667.9	19.3	0.8
1348	9286/2014_8	2038	2014	2	2038-07-02 06:00:00	2038-07-02 14:00:00	7	287.9	165.9	1.0	1168.8	654.5	15.6	0.0
1349	9286/2014_9	2038	2014	2	2038-07-03 06:00:00	2038-07-03 13:00:00	6	253.6	149.1	1.1	1196.4	614.5	15.6	0.0
1350	9286/2014_1	2038	2014	2	2038-07-04 06:00:00	2038-07-04 14:00:00	7	288.6	154.8	1.1	1153.7	616.3	16.5	0.0
1351	9286/2014_2	2038	2014	2	2038-07-05 06:00:00	2038-07-05 13:00:00	7	154.2	142.8	0.9	1033.7	596.8	8.3	64.3
1352	9286/2014_3	2038	2014	2	2038-07-06 07:00:00	2038-07-06 13:00:00	4	309.5	165.8	0.7	985.8	646.8	21.9	139.0



1403	0186/2016_1	1603	2016	1	2016-10-11 07:00:00	2016-10-11 18:00:00	1	569.9	150.4	0.0	749.8	566.3	0.4	183.1		
1475	0186/2016_2	2016	2016	2	2016-10-11 19:00:00	2016-10-12 15:00:00	1	566.3	176.5	0.3	757.5	569.4	17.8	170.0		
1474	0186/2016_3	2016	2016	2	2016-10-12 07:00:00	2016-10-12 16:00:00	1	566.1	162.7	1.0	779.0	550.8	4.5	224.1		
1476	0186/2016_4	2016	2016	2	2016-10-12 15:00:00	2016-10-13 15:00:00	1	566.5	190.3	0.6	694.2	524.0	20.1	150.1		
1438	0186/2016_5	2016	2016	2	2016-10-13 15:00:00	2016-10-13 14:00:00	1	564.6	176.2	1.3	648.4	565.1	7.1	109.2		
1447	0186/2016_6	2016	2016	2	2016-10-14 14:00:00	2016-10-14 14:00:00	1	566.5	166.3	1.3	668.1	559.7	14.1	124.3		
1438	0186/2016_7	2016	2016	2	2016-10-15 05:00:00	2016-10-15 14:00:00	1	566.5	173.3	1.3	655.9	557.3	14.9	102.0		
1439	0186/2016_8	2016	2016	2	2016-10-16 17:00:00	2016-10-16 14:00:00	1	562.1	148.3	1.3	626.0	568.9	13.9	6.9		
1480	0186/2016_9	2016	2016	2	2016-10-17 07:00:00	2016-10-17 10:40:00	1	566.5	161.7	0.7	726.3	563.1	1.5	152.7		
1481	0186/2016_10	2016	2016	2	2016-10-17 12:00:00	2016-10-17 14:00:00	1	566.5	224.2	0.7	774.1	619.4	0.4	84.0		
1482	0186/2016_11	2016	2016	2	2016-10-18 07:00:00	2016-10-18 10:00:00	1	569.5	160.8	2.2	694.9	560.0	2.4	42.2		
1475	0186/2016_12	2016	2016	2	2016-10-18 17:00:00	2016-10-18 14:00:00	1	570.5	168.6	0.9	649.3	573.1	24.2	49.9		
1434	0186/2016_13	2016	2016	2	2016-10-19 07:00:00	2016-10-19 09:00:00	1	568.6	159.2	0.7	561.7	567.3	24.2	90.1		
1435	0186/2016_14	2016	2016	2	2016-10-19 11:30:00	2016-10-19 11:30:00	1	568.5	169.3	0.3	676.9	646.8	17.4	153.7		
1436	0186/2016_15	2016	2016	2	2016-10-19 13:00:00	2016-10-19 15:00:00	1	568.6	197.4	0.7	680.1	588.4	23.0	161.7		
1487	0186/2016_16	2016	2016	2	2016-10-20 01:00:00	2016-10-20 03:00:00	1	13.6	8.7	0.0	591.1	0.0	13.3	0.0		
1438	0186/2016_17	2016	2016	2	2016-10-20 07:00:00	2016-10-20 09:00:00	1	575.5	158.6	0.5	668.4	554.9	13.4	97.2		
1439	0186/2016_18	2016	2016	2	2016-10-20 11:00:00	2016-10-20 12:30:30	1	568.8	159.0	0.6	668.1	575.2	6.9	126.8		
1440	0186/2016_19	2016	2016	2	2016-10-20 14:00:00	2016-10-20 15:00:00	1	562.0	177.2	0.4	691.3	567.0	25.5	0.0		
1441	0186/2016_20	2016	2016	2	2016-10-20 15:00:00	2016-10-21 03:00:00	1	15.2	7.9	0.0	590.9	0.0	14.9	0.0		
1442	0186/2016_21	2016	2016	2	2016-10-21 07:00:00	2016-10-21 09:00:00	1	570.1	165.7	0.5	668.3	553.3	14.7	10.2		
1444	0186/2016_22	2016	2016	2	2016-10-21 11:00:00	2016-10-21 11:00:00	1	570.1	194.7	1.0	668.8	586.1	17.1	107.6		
1444	0186/2016_23	2016	2016	2	2016-10-21 20:00:00	2016-10-21 20:00:00	1	15.0	8.0	0.0	584.8	0.0	14.7	0.0		
1445	0186/2016_24	2016	2016	2	2016-10-21 23:00:00	2016-10-22 04:00:00	1	30.6	12.1	0.8	613.7	0.0	30.5	0.0		
1446	0186/2016_25	2016	2016	2	2016-10-22 07:00:00	2016-10-22 09:00:00	1	570.1	181.7	0.5	670.0	561.5	13.1	7.2		
1447	0186/2016_26	2016	2016	2	2016-10-22 11:00:00	2016-10-22 13:00:00	1	570.5	198.3	0.5	668.5	584.8	14.7	104.4		
1448	0186/2016_27	2016	2016	2	2016-10-22 19:00:00	2016-10-23 00:00:00	1	14.2	7.3	0.2	596.0	0.0	14.0	0.0		
1449	0186/2016_28	2016	2016	2	2016-10-23 12:00:00	2016-10-23 14:00:00	1	568.0	217.8	0.7	701.2	650.7	13.9	143.1		
1450	0186/2016_29	2016	2016	2	2016-10-23 17:00:00	2016-10-23 21:00:00	1	568.5	209.0	0.8	690.6	597.0	13.7	164.4		
1451	0186/2016_30	2016	2016	2	2016-10-23 23:00:00	2016-10-24 00:00:00	1	568.5	241.7	0.7	752.6	703.2	19.8	181.8		
1452	0186/2016_31	2016	2016	2	2016-10-24 01:00:00	2016-10-24 03:00:00	1	47.8	40.7	0.2	598.1	0.0	18.1	0.0		
1453	0186/2016_32	2016	2016	2	2016-10-24 07:00:00	2016-10-24 09:00:00	1	570.1	179.9	0.5	670.3	560.6	14.7	109.1		
1454	0186/2016_33	2016	2016	2	2016-10-24 11:00:00	2016-10-24 11:00:00	1	570.1	199.3	0.5	680.1	577.1	13.7	164.4		
1455	0186/2016_34	2016	2016	2	2016-10-24 19:00:00	2016-10-25 00:00:00	1	14.2	8.0	0.2	599.0	0.0	13.9	0.0		
1456	0186/2016_35	2016	2016	2	2016-10-25 12:00:00	2016-10-25 14:00:00	1	570.1	227.4	0.7	701.2	650.7	13.9	143.1		
1457	0186/2016_36	2016	2016	2	2016-10-25 17:00:00	2016-10-25 21:00:00	1	570.5	209.0	0.8	690.6	597.0	13.7	164.4		
1458	0186/2016_37	2016	2016	2	2016-10-25 23:00:00	2016-10-26 00:00:00	1	570.5	241.7	0.7	752.6	703.2	19.8	181.8		
1459	0186/2016_38	2016	2016	2	2016-10-26 01:00:00	2016-10-26 03:00:00	1	47.8	40.7	0.2	598.1	0.0	18.1	0.0		
1460	0186/2016_39	2016	2016	2	2016-10-26 07:00:00	2016-10-26 09:00:00	1	570.1	179.9	0.5	670.3	560.6	14.7	109.1		
1461	0186/2016_40	2016	2016	2	2016-10-26 11:00:00	2016-10-26 13:00:00	1	570.1	199.3	0.5	680.1	577.1	13.7	164.4		
1462	0186/2016_41	2016	2016	2	2016-10-26 19:00:00	2016-10-26 21:00:00	1	14.2	8.0	0.2	599.0	0.0	13.9	0.0		
1463	0186/2016_42	2016	2016	2	2016-10-27 12:00:00	2016-10-27 14:00:00	1	568.0	217.8	0.7	701.2	650.7	13.9	143.1		
1464	0186/2016_43	2016	2016	2	2016-10-27 17:00:00	2016-10-27 21:00:00	1	568.5	209.0	0.8	690.6	597.0	13.7	164.4		
1465	0186/2016_44	2016	2016	2	2016-10-27 23:00:00	2016-10-28 00:00:00	1	568.5	241.7	0.7	752.6	703.2	19.8	181.8		
1466	0186/2016_45	2016	2016	2	2016-10-28 01:00:00	2016-10-28 03:00:00	1	47.8	40.7	0.2	598.1	0.0	18.1	0.0		
1467	0186/2016_46	2016	2016	2	2016-10-28 07:00:00	2016-10-28 11:00:00	1	570.5	179.9	0.5	670.3	561.4	14.7	109.1		
1470	0186/2016_47	2016	2016	2	2016-10-28 13:00:00	2016-10-28 15:00:00	1	568.5	197.9	0.5	680.1	580.4	24.1	162.1		
1471	0186/2016_48	2016	2016	2	2016-10-28 17:00:00	2016-10-28 21:00:00	1	15.2	54.1	0.1	612.8	0.0	24.2	0.0		
1472	0186/2016_49	2016	2016	2	2016-10-28 23:00:00	2016-10-29 01:00:00	1	569.5	169.7	0.8	676.1	560.0	8.8	146.4		
1473	0186/2016_50	2016	2016	2	2016-10-29 11:00:00	2016-10-29 15:00:00	1	570.5	191.9	0.5	680.7	561.4	10.8	78.5		
1474	0186/2016_51	2016	2016	2	2016-10-30 00:00:00	2016-10-30 03:00:00	1	43.5	41.5	0.3	606.1	0.0	23.7	0.0		
1475	0186/2016_52	2016	2016	2	2016-10-30 07:00:00	2016-10-30 09:00:00	1	568.5	179.4	0.8	674.9	557.9	14.1	17.3		
1476	0186/2016_53	2016	2016	2	2016-10-30 11:00:00	2016-10-30 15:00:00	1	568.5	179.9	0.8	680.7	552.4	5.3	147.1		
1477	0186/2016_54	2016	2016	2	2016-10-31 23:00:00	2016-10-31 13:00:00	1	51.2	45.2	0.2	611.5	0.0	10.7	0.0		
1478	0186/2016_55	2016	2016	2	2016-10-31 07:00:00	2016-10-31 11:00:00	1	569.5	182.5	0.8	670.4	558.5	13.7	151.8		
1479	0186/2016_56	2016	2016	2	2016-10-31 13:00:00	2016-10-31 16:00:00	1	568.5	218.5	0.5	686.8	622.0	17.8	43.7		
1480	0186/2016_57	2016	2016	2	2016-11-01 00:00:00	2016-11-01 01:00:00	1	7.1	4.5	0.0	606.1	0.0	13.4	0.0		
1481	0186/2016_58	2016	2016	2	2016-11-01 07:00:00	2016-11-01 10:00:00	1	569.5	168.3	0.7	670.0	551.4	17.1	46.5		
1482	0186/2016_59	2016	2016	2	2016-11-01 11:00:00	2016-11-01 14:00:00	1	569.5	225.2	0.7	646.1	602.9	25.2	144.0		
1480	0186/2016_60	2016	2016	2	2016-11-01 20:00:00	2016-11-02 03:00:00	1	4.5	4.0	0.0	606.6	0.0	70.0	0.0		
1484	0186/2016_61	2016	2016	2	2016-11-02 07:00:00	2016-11-02 09:00:00	1	569.5	184.7	0.6	680.1	560.5	40.1	11.0		
1485	0186/2016_62	2016	2016	2	2016-11-02 11:00:00	2016-11-02 13:00:00	1	569.5	179.9	0.6	676.3	560.6	14.7	128.0		
1486	0186/2016_63	2016	2016	2	2016-11-02 19:00:00	2016-11-03 04:00:00	1	49.7	46.1	0.2	601.1	0.0	62.7	0.0		
1487	0186/2016_64	2016	2016	2	2016-11-03 10:00:00	2016-11-03 14:00:00	1	245.4	168.4	0.9	643.9	644.0	13.3	0.0		
1488	0186/2016_65	2016	2016	2	2016-11-03 23:00:00	2016-11-04 04:00:00	1	19.4	14.7	0.1	607.1	0.0	38.9	0.0		
1489	0186/2016_66	2016	2016	2	2016-11-04 06:00:00	2016-11-04 14:00:00	1	569.5	163.3	1.1	648.8	599.7	7.9	165.0		
1490	0186/2016_67	2016	2016	2	2016-11-04 23:00:00	2016-11-05 02:00:00	1	19.8	10.8	0.0	624.8	0.0	59.1	0.0		
1491	0186/2016_68	2016	2016	2	2016-11-05 06:00:00	2016-11-05 10:00:00	1	569.5	257.8	0.8	645.1	591.4	9.6	151.1		
1492	0186/2016_69	2016	2016	2	2016-11-05 14:00:00	2016-11-05 14:00:00	1	561.7	196.9	0.6	647.4	597.9	16.8	158.5		
1493	0186/2016_70	2016	2016	2	2016-11-06 07:00:00	2016-11-06 10:00:00	1	569.5	180.8	0.8	650.0	558.3	1.8	168.3		
1494	0186/2016_71	2016	2016	2	2016-11-06 12:00:00	2016-11-06 14:00:00	1	569.5	189.0	0.8	648.7	625.1	7.2	148.3		
1495	0186/2016_72	2016	2016	2	2016-11-07 22:00:00	2016-11-07 04:00:00	1	5.5	3.7	0.0	595.2	0.0	23.9	0.0		
1496	0186/2016_73	2016	2016	2	2016-11-07 07:00:00	2016-11-07 09:00:00	1	570.5	184.7	0.6	650.0	580.5	17.9	41.4		
1497	0186/2016_74	2016	2016	2	2016-11-07 11:00:00	2016-11-07 14:00:00	1	569.5	189.0	0.8	672.8	590.5	13.9	167.4		
1498	0186/2016_75	2016	2016	2	2016-11-08 01:00:00	2016-11-08 04:00:00	1	45.9	31.1	0.2	598.4	0.0	57.5	0.0		
1499	0186/2016_76	2016	2016	2	2016-11-08 07:00:00	2016-11-08 09:00:00	1	569.5	211.7	0.8	668.1	594.9	13.8	84.9		
1500	0186/2016_77	2016	2016	2	2016-11-08 11:00:00	2016-11-08 13:00:00	1	569.5	209.3	0.8	671.8	602.7	15.1	128.2		
1501	0186/2016_78	2016	2016	2	2016-11-08 17:00:00	2016-11-08 21:00:00	1	569.5	229.1	0.7	690.1	608.3	26.0	164.7		
1502	0186/2016_79	2016	2016	2	2016-11-08 23:00:00	2016-11-09 00:00:00	1	31.8	25.2	0.1	611.1	0.0	19.2	0.0		
1503	0186/2016_80	2016	2016	2	2016-11-09 07:00:00	2016-11-09 09:00:00	1	569.5	210.0	0.7	650.1	649.4	14.2	84.6		
1504	0186/2016_81	2016	2016	2	2016-11-09 11:00:00	2016-11-09 13:00:00	1	569.5	209.3	0.5	649.6	556.6	9.6	168.7		
1505	0186/2016_82	2016	2016	2	2016-11-09 23:00:00	2016-11-10 04:00:00	1	569.5	249.9	0.6	644.4	581.2	28.9	96.6		
1506	0186/2016_83	2016	2016	2	2016-11-10 07:00:00	2016-11-10 10:00:00	1	569.5	179.3	0.7	676.7	560.4	14.1	109.2		
1507	0186/2016_84	2016	2016	2	2016-11-10 11:00:00	2016-11-10 13:00:00	1	569.5	209.3	0.5	649.6	556.6	9.6	168.7		
1508	0186/2016_85	2016	2016	2	2016-11-10 23:00:00	2016-11-11 04:00:00	1	569.5	249.9	0.6	644.4	581.2	28.9	96.6		
1509	0186/2016_86	2016	2016	2	2016-11-11 07:00:00	2016-11-11 10:00:00	1	569.5	179.3	0.7	676.7	560.4	14.1	109.2		
1510	0186/2016_87	2016	2016	2	2016-11-11 11:00:00	2016-11-11 13:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1511	0186/2016_88	2016	2016	2	2016-11-11 19:00:00	2016-11-12 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1512	0186/2016_89	2016	2016	2	2016-11-12 07:00:00	2016-11-12 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1513	0186/2016_90	2016	2016	2	2016-11-12 11:00:00	2016-11-12 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1514	0186/2016_91	2016	2016	2	2016-11-12 19:00:00	2016-11-13 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1515	0186/2016_92	2016	2016	2	2016-11-13 07:00:00	2016-11-13 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1516	0186/2016_93	2016	2016	2	2016-11-13 11:00:00	2016-11-13 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1517	0186/2016_94	2016	2016	2	2016-11-13 19:00:00	2016-11-14 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1518	0186/2016_95	2016	2016	2	2016-11-14 07:00:00	2016-11-14 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1519	0186/2016_96	2016	2016	2	2016-11-14 11:00:00	2016-11-14 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1520	0186/2016_97	2016	2016	2	2016-11-14 19:00:00	2016-11-15 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1521	0186/2016_98	2016	2016	2	2016-11-15 07:00:00	2016-11-15 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1522	0186/2016_99	2016	2016	2	2016-11-15 11:00:00	2016-11-15 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1523	0186/2016_100	2016	2016	2	2016-11-15 19:00:00	2016-11-16 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1524	0186/2016_101	2016	2016	2	2016-11-16 07:00:00	2016-11-16 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1525	0186/2016_102	2016	2016	2	2016-11-16 11:00:00	2016-11-16 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1526	0186/2016_103	2016	2016	2	2016-11-16 19:00:00	2016-11-17 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1527	0186/2016_104	2016	2016	2	2016-11-17 07:00:00	2016-11-17 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1528	0186/2016_105	2016	2016	2	2016-11-17 11:00:00	2016-11-17 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1529	0186/2016_106	2016	2016	2	2016-11-17 19:00:00	2016-11-18 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1530	0186/2016_107	2016	2016	2	2016-11-18 07:00:00	2016-11-18 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1531	0186/2016_108	2016	2016	2	2016-11-18 11:00:00	2016-11-18 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1532	0186/2016_109	2016	2016	2	2016-11-18 19:00:00	2016-11-19 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1533	0186/2016_110	2016	2016	2	2016-11-19 07:00:00	2016-11-19 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1534	0186/2016_111	2016	2016	2	2016-11-19 11:00:00	2016-11-19 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1535	0186/2016_112	2016	2016	2	2016-11-19 19:00:00	2016-11-20 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1536	0186/2016_113	2016	2016	2	2016-11-20 07:00:00	2016-11-20 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1537	0186/2016_114	2016	2016	2	2016-11-20 11:00:00	2016-11-20 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1538	0186/2016_115	2016	2016	2	2016-11-20 19:00:00	2016-11-21 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1539	0186/2016_116	2016	2016	2	2016-11-21 07:00:00	2016-11-21 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1540	0186/2016_117	2016	2016	2	2016-11-21 11:00:00	2016-11-21 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1541	0186/2016_118	2016	2016	2	2016-11-21 19:00:00	2016-11-22 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1542	0186/2016_119	2016	2016	2	2016-11-22 07:00:00	2016-11-22 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1543	0186/2016_120	2016	2016	2	2016-11-22 11:00:00	2016-11-22 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1544	0186/2016_121	2016	2016	2	2016-11-22 19:00:00	2016-11-23 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1545	0186/2016_122	2016	2016	2	2016-11-23 07:00:00	2016-11-23 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1546	0186/2016_123	2016	2016	2	2016-11-23 11:00:00	2016-11-23 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1547	0186/2016_124	2016	2016	2	2016-11-23 19:00:00	2016-11-24 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1548	0186/2016_125	2016	2016	2	2016-11-24 07:00:00	2016-11-24 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1549	0186/2016_126	2016	2016	2	2016-11-24 11:00:00	2016-11-24 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1550	0186/2016_127	2016	2016	2	2016-11-24 19:00:00	2016-11-25 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1551	0186/2016_128	2016	2016	2	2016-11-25 07:00:00	2016-11-25 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1552	0186/2016_129	2016	2016	2	2016-11-25 11:00:00	2016-11-25 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1553	0186/2016_130	2016	2016	2	2016-11-25 19:00:00	2016-11-26 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1554	0186/2016_131	2016	2016	2	2016-11-26 07:00:00	2016-11-26 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1555	0186/2016_132	2016	2016	2	2016-11-26 11:00:00	2016-11-26 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1556	0186/2016_133	2016	2016	2	2016-11-26 19:00:00	2016-11-27 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1557	0186/2016_134	2016	2016	2	2016-11-27 07:00:00	2016-11-27 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1558	0186/2016_135	2016	2016	2	2016-11-27 11:00:00	2016-11-27 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1559	0186/2016_136	2016	2016	2	2016-11-27 19:00:00	2016-11-28 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1560	0186/2016_137	2016	2016	2	2016-11-28 07:00:00	2016-11-28 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1561	0186/2016_138	2016	2016	2	2016-11-28 11:00:00	2016-11-28 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1562	0186/2016_139	2016	2016	2	2016-11-28 19:00:00	2016-11-29 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1563	0186/2016_140	2016	2016	2	2016-11-29 07:00:00	2016-11-29 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1564	0186/2016_141	2016	2016	2	2016-11-29 11:00:00	2016-11-29 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1565	0186/2016_142	2016	2016	2	2016-11-29 19:00:00	2016-11-30 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1566	0186/2016_143	2016	2016	2	2016-11-30 07:00:00	2016-11-30 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1567	0186/2016_144	2016	2016	2	2016-11-30 11:00:00	2016-11-30 13:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1568	0186/2016_145	2016	2016	2	2016-11-30 19:00:00	2016-12-01 00:00:00	1	569.5	169.9	0.7	648.7	574.7	14.5	161.3		
1569	0186/2016_146	2016	2016	2	2016-12-01 07:00:00	2016-12-01 09:00:00	1	569.5	197.9	0.6	678.4	604.5	10.5	126.4		
1570	0186/2016_147	2016

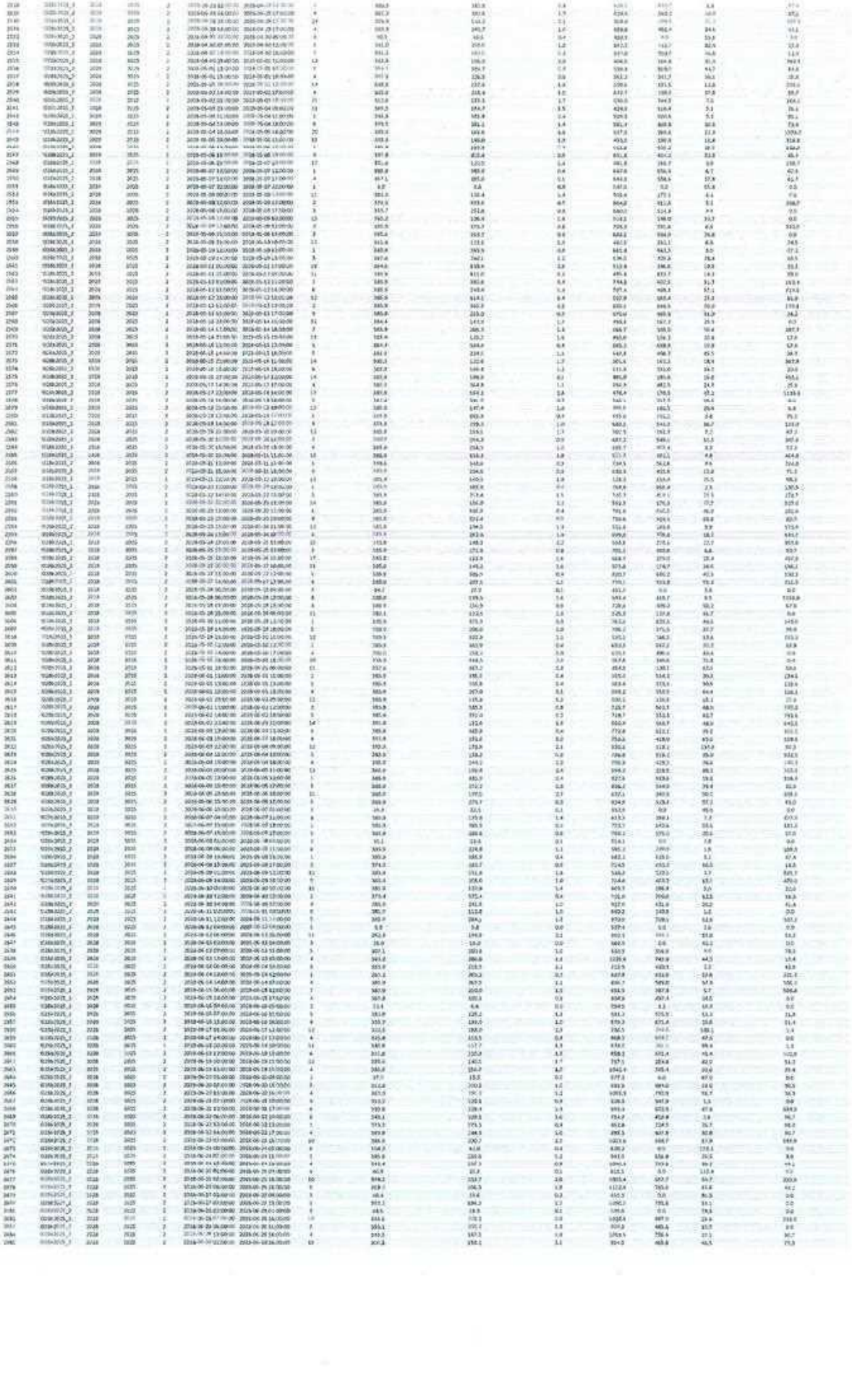
1736	0209-0024_4	2024	2024	A	2024-09-01 07:00:00	2024-09-01 17:00:00	8	376.2	210.9	1.4	381.9	474.8	81.9	1636.4
1737	0209-0024_5	2024	2024	A	2024-09-01 14:00:00	2024-09-01 18:00:00	4	306.5	210.2	0.7	385.2	439.5	68.8	1841.4
1738	0209-0024_6	2024	2024	A	2024-09-01 09:00:00	2024-09-01 17:00:00	12	368.2	181.8	0.7	445.6	385.6	43.6	1148.8
1739	0209-0024_7	2024	2024	A	2024-09-02 15:00:00	2024-09-02 18:00:00	1	306.2	309.5	0.4	328.5	515.9	15.2	4634.4
1740	0209-0024_8	2024	2024	A	2024-09-02 15:00:00	2024-09-02 16:00:00	2	306.2	182.9	0.4	9179	193.6	34.7	87.1
1741	0209-0024_9	2024	2024	A	2024-09-03 09:00:00	2024-09-03 14:00:00	5	0.0	42.5	0.2	381.1	0.0	73.6	0.0
1742	0209-0024_10	2024	2024	A	2024-09-03 07:00:00	2024-09-03 12:00:00	5	306.2	260.3	1.8	411.7	512.3	36.6	3844.4
1743	0209-0024_11	2024	2024	A	2024-09-03 14:00:00	2024-09-03 18:00:00	4	306.2	176.3	0.5	366.8	466.4	10.8	1771.1
1744	0209-0024_12	2024	2024	A	2024-09-04 07:00:00	2024-09-04 09:00:00	2	46.0	85.1	0.1	424.8	0.0	49.7	0.0
1745	0209-0024_13	2024	2024	A	2024-09-04 07:00:00	2024-09-04 16:00:00	10	306.2	159.9	0.9	424.1	462.8	25.8	3120.1
1746	0209-0024_14	2024	2024	A	2024-09-05 09:00:00	2024-09-05 14:00:00	5	0.0	89.6	0.1	408.8	0.0	50.7	0.0
1747	0209-0024_15	2024	2024	A	2024-09-05 07:00:00	2024-09-05 12:00:00	5	306.2	189.2	0.8	417.6	479.4	20.8	2765.5
1748	0209-0024_16	2024	2024	A	2024-09-05 06:00:00	2024-09-05 21:00:00	1	30.7	18.4	0.0	413.8	0.0	8.0	0.0
1749	0209-0024_17	2024	2024	A	2024-09-06 08:00:00	2024-09-06 22:00:00	1	0.0	1.4	0.0	398.3	0.0	8.0	0.0
1750	0209-0024_18	2024	2024	A	2024-09-06 07:00:00	2024-09-06 12:00:00	5	306.2	139.1	0.6	438.3	466.6	1.8	2167
1751	0209-0024_19	2024	2024	A	2024-09-06 17:00:00	2024-09-06 20:00:00	3	168.3	244.7	1.3	393.2	456.3	30.8	2467.8
1752	0209-0024_20	2024	2024	A	2024-09-07 09:00:00	2024-09-07 10:00:00	1	46.0	26.0	0.2	384.7	0.0	21.0	0.0
1753	0209-0024_21	2024	2024	A	2024-09-07 07:00:00	2024-09-07 12:00:00	5	306.2	248.7	1.3	412.2	461.1	33.3	3320.0
1754	0209-0024_22	2024	2024	A	2024-09-07 14:00:00	2024-09-07 17:00:00	3	168.3	170.6	0.5	391.1	388.1	24.0	1641.8
1755	0209-0024_23	2024	2024	A	2024-09-08 08:00:00	2024-09-08 23:00:00	1	30.7	22.3	0.3	398.2	0.0	21.0	0.0
1756	0209-0024_24	2024	2024	A	2024-09-08 07:00:00	2024-09-08 11:00:00	3	138.1	105.3	1.2	552.4	493.8	28.0	2334.6
1757	0209-0024_25	2024	2024	A	2024-09-08 13:00:00	2024-09-08 16:00:00	3	138.1	214.3	0.8	598.1	465.0	27.0	4268.5
1758	0209-0024_26	2024	2024	A	2024-09-09 07:00:00	2024-09-09 11:00:00	11	506.3	693.7	3.8	455.4	237.0	22.7	9644.5
1759	0209-0024_27	2024	2024	A	2024-09-09 13:00:00	2024-09-09 16:00:00	4	184.5	274.7	0.7	713.1	525.3	47.8	4851.5
1760	0209-0024_28	2024	2024	A	2024-09-10 09:00:00	2024-09-10 14:00:00	5	46.1	64.7	0.4	408.3	0.0	40.6	0.0
1761	0209-0024_29	2024	2024	A	2024-09-10 07:00:00	2024-09-10 09:00:00	2	92.1	126.8	1.1	431.8	525.0	33.6	4227.9
1762	0209-0024_30	2024	2024	A	2024-09-10 14:00:00	2024-09-10 16:00:00	2	92.1	139.2	1.0	420.8	486.3	30.5	3418
1763	0209-0024_31	2024	2024	A	2024-09-11 06:30:00	2024-09-11 11:00:00	5	53.3	45.6	0.7	452.9	0.0	38.0	0.0
1764	0209-0024_32	2024	2024	A	2024-09-11 04:30:00	2024-09-11 23:00:00	2	106.5	114.1	1.7	427.0	506.0	5.2	2853.8
1765	0209-0024_33	2024	2024	A	2024-09-12 02:00:00	2024-09-12 09:00:00	4	42.5	72.9	0.1	399.8	0.0	21.3	0.0
1766	0209-0024_34	2024	2024	A	2024-09-13 07:30:00	2024-09-13 13:00:00	4	319.3	234.0	1.8	437.7	530.9	1.9	4218.6
1767	0209-0024_35	2024	2024	A	2024-09-13 14:00:00	2024-09-13 16:00:00	2	106.5	114.3	0.9	384.7	413.4	19.9	2427.1
1768	0209-0024_36	2024	2024	A	2024-09-13 11:00:00	2024-09-13 19:00:00	4	42.7	45.5	0.1	352.8	0.0	10.0	0.0
1769	0209-0024_37	2024	2024	A	2024-09-13 13:00:00	2024-09-13 15:00:00	2	106.5	114.8	0.6	418.7	534.0	15.2	3279.5
1770	0209-0024_38	2024	2024	A	2024-09-14 09:00:00	2024-09-14 14:00:00	5	319.5	229.1	1.1	426.3	483.9	5.4	3291.2
1771	0209-0024_39	2024	2024	A	2024-09-14 06:00:00	2024-09-14 09:00:00	3	213.0	45.7	0.1	407.7	0.0	12.4	0.0
1772	0209-0024_40	2024	2024	A	2024-09-14 07:00:00	2024-09-14 13:00:00	6	319.5	229.2	1.4	439.5	541.2	10.9	5405.6
1773	0209-0024_41	2024	2024	A	2024-09-14 14:00:00	2024-09-14 16:00:00	2	106.5	174.8	0.5	426.8	491.1	17.6	36.7
1774	0209-0024_42	2024	2024	A	2024-09-15 10:30:00	2024-09-15 13:00:00	13	139.3	134.9	1.3	443.9	534.2	13.8	4648
1775	0209-0024_43	2024	2024	A	2024-09-15 12:00:00	2024-09-15 16:00:00	5	106.5	203.8	1.9	439.1	426.2	44.2	4316.9
1776	0209-0024_44	2024	2024	A	2024-09-16 13:00:00	2024-09-16 15:00:00	2	0.0	0.0	0.0	388.2	0.0	17.6	0.0
1777	0209-0024_45	2024	2024	A	2024-09-16 09:00:00	2024-09-16 14:00:00	7	160.0	214.6	1.0	398.8	581.1	36.1	3971.1
1778	0209-0024_46	2024	2024	A	2024-09-16 14:30:00	2024-09-16 16:00:00	3	159.8	153.5	0.6	437.2	577.6	30.6	87.6
1779	0209-0024_47	2024	2024	A	2024-09-17 02:00:00	2024-09-17 04:00:00	2	51.2	9.5	0.0	352.2	0.0	11.5	0.0
1780	0209-0024_48	2024	2024	A	2024-09-17 04:30:00	2024-09-17 11:00:00	6	109.0	117.7	1.1	503.1	604.4	7.6	4318.7
1781	0209-0024_49	2024	2024	A	2024-09-17 13:00:00	2024-09-17 15:00:00	2	109.0	157.3	0.7	441.1	485.4	37.3	3119.8
1782	0209-0024_50	2024	2024	A	2024-09-18 14:30:00	2024-09-18 16:00:00	2	50.1	43.4	0.4	388.1	0.0	31.0	0.0
1783	0209-0024_51	2024	2024	A	2024-09-18 09:00:00	2024-09-18 14:00:00	5	109.0	109.0	1.1	415.3	455.4	6.1	2354.9
1784	0209-0024_52	2024	2024	A	2024-09-19 09:00:00	2024-09-19 14:00:00	5	109.0	43.3	0.3	399.5	0.0	41.9	0.0
1785	0209-0024_53	2024	2024	A	2024-09-19 07:00:00	2024-09-19 09:00:00	2	21.8	21.8	0.1	413.1	476.9	12.8	1.5.6
1786	0209-0024_54	2024	2024	A	2024-09-19 14:30:00	2024-09-19 16:00:00	2	50.1	46.6	0.1	407.5	0.0	40.1	0.0
1787	0209-0024_55	2024	2024	A	2024-09-20 09:00:00	2024-09-20 13:00:00	4	109.0	109.0	0.5	415.7	521.6	19.8	2648
1788	0209-0024_56	2024	2024	A	2024-09-20 12:00:00	2024-09-20 14:00:00	2	109.0	104.1	1.1	408.7	502.8	14.0	4313.8
1789	0209-0024_57	2024	2024	A	2024-09-21 07:00:00	2024-09-21 09:00:00	2	12.8	8.9	0.0	403.5	0.0	45.3	0.0
1790	0209-0024_58	2024	2024	A	2024-09-21 07:00:00	2024-09-21 13:00:00	6	109.0	107.5	1.0	397.5	454.1	12.6	4314.8
1791	0209-0024_59	2024	2024	A	2024-09-22 09:00:00	2024-09-22 15:00:00	2	25.0	26.2	0.1	406.0	0.0	48.7	0.0
1792	0209-0024_60	2024	2024	A	2024-09-22 07:00:00	2024-09-22 11:00:00	3	109.0	101.5	1.1	571.1	503.1	22.2	4151.1
1793	0209-0024_61	2024	2024	A	2024-09-22 13:00:00	2024-09-22 15:00:00	4	109.0	102.3	0.8	563.4	430.0	24.7	2753.7
1794	0209-0024_62	2024	2024	A	2024-09-23 09:00:00	2024-09-23 21:00:00	1	12.8	12.6	0.2	402.6	0.0	17.7	0.0
1795	0209-0024_63	2024	2024	A	2024-09-23 07:00:00	2024-09-23 11:00:00	4	109.0	106.4	0.8	481.1	504.3	28.6	3419.3
1796	0209-0024_64	2024	2024	A	2024-09-23 13:00:00	2024-09-23 15:00:00	2	109.0	109.0	1.4	510.0	434.4	29.2	2445.9
1797	0209-0024_65	2024	2024	A	2024-09-24 09:00:00	2024-09-24 14:00:00	5	0.0	7.2	0.0	453.1	0.0	17.3	0.0
1798	0209-0024_66	2024	2024	A	2024-09-24 07:00:00	2024-09-24 09:00:00	2	7.2	17.5	0.3	388.1	0.0	18.1	0.0
1799	0209-0024_67	2024	2024	A	2024-09-24 14:30:00	2024-09-24 16:00:00	2	72.0	57.0	0.8	552.8	428.4	6.6	1349.1
1800	0209-0024_68	2024	2024	A	2024-09-25 09:00:00	2024-09-25 14:00:00	5	109.0	109.0	0.5	328.3	361.8	7.5	1.8.6
1801	0209-0024_69	2024	2024	A	2024-09-25 07:00:00	2024-09-25 09:00:00	2	109.0	109.0	1.1	365.5	374.1	24.9	2487.5
1802	0209-0024_70	2024	2024	A	2024-09-25 14:30:00	2024-09-25 16:00:00	2	109.0	109.0	0.8	497.5	510.7	18.9	73.9
1803	0209-0024_71	2024	2024	A	2024-09-26 09:00:00	2024-09-26 14:00:00	5	109.0	25.8	0.1	372.9	0.0	10.0	0.0
1804	0209-0024_72	2024	2024	A	2024-09-26 07:00:00	2024-09-26 09:00:00	2	109.0	109.0	1.1	465.4	508.1	13.8	3335.7
1805	0209-0024_73	2024	2024	A	2024-09-26 14:30:00	2024-09-26 16:00:00	2	109.0	109.0	1.0	493.1	464.3	10.6	3455.8
1806	0209-0024_74	2024	2024	A	2024-09-27 09:00:00	2024-09-27 14:00:00	5	109.0	109.0	1.1	485.3	511.1	10.8	3492.5
1807	0209-0024_75	2024	2024	A	2024-09-27 07:00:00	2024-09-27 09:00:00	2	109.0	109.0	0.6	463.2	438.4	46.0	1954.5
1808	0209-0024_76	2024	2024	A	2024-09-27 14:30:00	2024-09-27 16:00:00	2	109.0	109.0	0.8	434.8	0.0	11.7	0.0
1809	0209-0024_77	2024	2024	A	2024-09-28 09:00:00	2024-09-28 14:00:00	5	109.0	17.4	0.0	409.3	0.0	21.4	0.0
1810	0209-0024_78	2024	2024	A	2024-09-28 07:00:00	2024-09-28 09:00:00	2	109.0	21.4	0.1	469.1	0.0	23.4	0.0
1811	0209-0024_79	2024	2024	A	2024-09-28 14:30:00	2024-09-28 16:00:00	2	109.0	109.0	1.4	507.5	423.3	9.5	4251.1
1812	0209-0024_80	2024	2024	A	2024-09-29 09:00:00	2024-09-29 14:00:00	5	109.0	109.0	1.0	460.1	512.7	15.2	2537.3
1813	0209-0024_81	2024	2024	A	2024-09-29 07:00:00	2024-09-29 09:00:00	2	109.0	109.0	0.7	399.9	457.4	14.0	2222.1
1814	0209-0024_82	2024	2024	A	2024-09-29 14:30:00	2024-09-29 16:00:00	2	109.0	109.0	1.3	493.8	537.9	24.7	3.3.3
1815	0209-0024_83	2024	2024	A	2024-09-30 09:00:00	2024-09-30 14:00:00	5	109.0	109.0	1.0	512.3	534.0	16.6	2537.7
1816	0209-0024_84	2024	2024	A	2024-09-30 07:00:00	2024-09-30 09:00:00	2	109.0	109.0	1.0	542.1	549.5	28.8	2.0.4
1817	0209-0024_85	2024	2024	A	2024-09-30 14:30:00	2024-09-30 16:00:00	2	109.0	109.0	1.0	547.7	476.6	31.0	4.9.7
1818	0209-0024_86	2024	2024	A	2024-10-01 09:00:00	2024-10-01 14:00:00	5	109.0	109.0	0.8	548.3	549.3	5.2	1316.6
1819	0209-0024_87	2024	2024	A	2024-10-01 07:00:00	2024-10-01 09:00:00	2	109.0	109.0	0.8	490.4	549.3	8.8	89.5
1820	0209-0024_88	2024	2024	A	2024-10-01 14:30:00	2024-10-01 16:00:00	2	109.0	109.0	0.8	517.3	0.0	4.2	0.0
1821	0209-0024_89	2024	2024	A	2024-10-02 09:00:00	2024-10-02 13:00:00	4	109.0	109.0	1.4	446.6	549.9	7.6	1319.3
1822	0209-0024_90	2024	2024	A	2024-10-02 07:00:00	2024-10-02 09:00:00	2	109.0	109.0	0.9	395.1	497.7	0.0	1.7.1
1823	0209-0024_91	2024	2024	A	2024-10-02 14:30:00	2024-10-02 16:00:00	2	109.0	25.8	0.1	356.4	0.0	12.9	0.0
1824	0209-0024_92	2024	2024	A	2024-10-03 07:00:00	2024-10-03 11:00:00	5	109.0	109.0	1.3	415.1	571.1	3.9	2.5.7
1825	0209-0024_93	2024	2024	A	2024-10-03 13:00:00	2024-10-03 15:00:00	3	109.0	109.2	0.8	413.5	497.8	3.7	2.0.0
1826	0209-0024_94	2024	2024	A	2024-10-04 09:00:00	2024-10-04 14:00:00	5	0.0	9.7	0.0	442.9	0.0	0.0	0.0
1827	0209-0024_95	2024	2024	A	2024-10-04 07:00:00	2024-10-04 09:00:00	2	19.4	105.1	1.2	439.9	542.0	0.0	3.4.4
1828	0209-0024_96	2024	2024	A	2024-10-04 13:00:00	2024-10-04 16:00:00	4	109.0	107.6	1.0	425.5	526.8	26.4	4.2.3
1829	0209-0024_97	2024	2024	A	2024-10-04 07:00:00	2024-10-04 09:00:00	2	109.0	109.8	0.7	409.1	536.7	0.0	1.2.7
1830	0209-0024_98	2024	2024	A	2024-10-04 13:00:00	2024-10-04 21:00:00	1	54.5	52.0	0.5	382.1	0.0	0.0	0.0
1831	0209-0024_99	2024	2024	A	2024-10-05 09:00:00	2024-10-05 14:00:00	5	109.0	109.0	1.0	547.5	476.8	31.0	3.3.0.2
1832	0209-0024_100	2024	2024	A	2024-10-05 07:00:00	2024-10-05 09:00:00	2	109.0	109.0	1.1	396.5	535.0	14.0	4.0.6.6
1833	0209-0024_101	2024	2024	A	2024-10-05 14:30:00	2024-10-05 16:00:00	2	109.0	109.0	1.0	446.0	443.2	21.3	3.7.6.9
1834	0209-0024_102	2024	2024	A	2024-10-06 09:00:00	2024-10-06 14:00:00	5	109.0	109.0	0.9	413.0	0.0	25.8	0.0
1835	0209-0024_103	2024	2024	A	2024-10-06 07:00:00	2024-10-06 09:00:00	2	109.0	109.0	0.8	437.4	446.9	8.4	2.9.1.7
1836	0209-0024_104	2024	2024	A	2024-10-06 14:30:00	2024-10-06 16:00:00	2	109.0	109.0	0.9	434.3	0.0	13.8	0.0
1837	0209-0024_105	2024	2024	A	2024-10-07 09:00:00	2024-10-07 14:00:00	5	109.0	109.0	0.9	415.2	0.0	15.8	0.0
1838	0209-0024_106	2024	2024	A	2024-10-07 07:00:00	2024-10-07 09:00:00	2	109.0	109.0	1.1	395.1	0.0	17.4	1.9.9.1
1839	0209-0024_107	2024	2024	A	2024-10-07 14:30:00	2024-10-07 16:00:00	2	109.0	109.0	1.3	399.3	0.0	14.8	0.0
1840	0209-0024_108	2024	2024	A	2024-10-08 09:00:00	2024-10-08 14:00:00	5	109.0	109.0	0.9	374.5	0.0	14.8	0.0
1841	0209-0024_109	2024	2024	A	2024-10-08 07:00:00	2024-10-08 09:00:00	2	109.0	109.0	1.0	384.4	0.0	13.8	0.0
1842	0209-0024_110	2024	2024	A	2024-10-08 14:30:00	2024-10-08 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1843	0209-0024_111	2024	2024	A	2024-10-09 09:00:00	2024-10-09 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1844	0209-0024_112	2024	2024	A	2024-10-09 07:00:00	2024-10-09 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1845	0209-0024_113	2024	2024	A	2024-10-09 14:30:00	2024-10-09 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1846	0209-0024_114	2024	2024	A	2024-10-10 09:00:00	2024-10-10 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1847	0209-0024_115	2024	2024	A	2024-10-10 07:00:00	2024-10-10 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1848	0209-0024_116	2024	2024	A	2024-10-10 14:30:00	2024-10-10 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1849	0209-0024_117	2024	2024	A	2024-10-11 09:00:00	2024-10-11 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1850	0209-0024_118	2024	2024	A	2024-10-11 07:00:00	2024-10-11 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1851	0209-0024_119	2024	2024	A	2024-10-11 14:30:00	2024-10-11 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1852	0209-0024_120	2024	2024	A	2024-10-12 09:00:00	2024-10-12 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1853	0209-0024_121	2024	2024	A	2024-10-12 07:00:00	2024-10-12 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1854	0209-0024_122	2024	2024	A	2024-10-12 14:30:00	2024-10-12 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1855	0209-0024_123	2024	2024	A	2024-10-13 09:00:00	2024-10-13 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1856	0209-0024_124	2024	2024	A	2024-10-13 07:00:00	2024-10-13 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1857	0209-0024_125	2024	2024	A	2024-10-13 14:30:00	2024-10-13 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1858	0209-0024_126	2024	2024	A	2024-10-14 09:00:00	2024-10-14 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1859	0209-0024_127	2024	2024	A	2024-10-14 07:00:00	2024-10-14 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1860	0209-0024_128	2024	2024	A	2024-10-14 14:30:00	2024-10-14 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1861	0209-0024_129	2024	2024	A	2024-10-15 09:00:00	2024-10-15 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1862	0209-0024_130	2024	2024	A	2024-10-15 07:00:00	2024-10-15 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1863	0209-0024_131	2024	2024	A	2024-10-15 14:30:00	2024-10-15 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1864	0209-0024_132	2024	2024	A	2024-10-16 09:00:00	2024-10-16 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1865	0209-0024_133	2024	2024	A	2024-10-16 07:00:00	2024-10-16 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1866	0209-0024_134	2024	2024	A	2024-10-16 14:30:00	2024-10-16 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1867	0209-0024_135	2024	2024	A	2024-10-17 09:00:00	2024-10-17 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1868	0209-0024_136	2024	2024	A	2024-10-17 07:00:00	2024-10-17 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1869	0209-0024_137	2024	2024	A	2024-10-17 14:30:00	2024-10-17 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1870	0209-0024_138	2024	2024	A	2024-10-18 09:00:00	2024-10-18 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1871	0209-0024_139	2024	2024	A	2024-10-18 07:00:00	2024-10-18 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1872	0209-0024_140	2024	2024	A	2024-10-18 14:30:00	2024-10-18 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1873	0209-0024_141	2024	2024	A	2024-10-19 09:00:00	2024-10-19 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1874	0209-0024_142	2024	2024	A	2024-10-19 07:00:00	2024-10-19 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1875	0209-0024_143	2024	2024	A	2024-10-19 14:30:00	2024-10-19 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1876	0209-0024_144	2024	2024	A	2024-10-20 09:00:00	2024-10-20 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1877	0209-0024_145	2024	2024	A	2024-10-20 07:00:00	2024-10-20 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1878	0209-0024_146	2024	2024	A	2024-10-20 14:30:00	2024-10-20 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1879	0209-0024_147	2024	2024	A	2024-10-21 09:00:00	2024-10-21 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1880	0209-0024_148	2024	2024	A	2024-10-21 07:00:00	2024-10-21 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1881	0209-0024_149	2024	2024	A	2024-10-21 14:30:00	2024-10-21 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1882	0209-0024_150	2024	2024	A	2024-10-22 09:00:00	2024-10-22 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1883	0209-0024_151	2024	2024	A	2024-10-22 07:00:00	2024-10-22 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1884	0209-0024_152	2024	2024	A	2024-10-22 14:30:00	2024-10-22 16:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1885	0209-0024_153	2024	2024	A	2024-10-23 09:00:00	2024-10-23 14:00:00	5	109.0	109.0	0.9	384.3	0.0	13.8	0.0
1886	0209-0024_154	2024	2024	A	2024-10-23 07:00:00	2024-10-23 09:00:00	2	109.0	109.0	0.9	384.3	0.0	13.8	0.0



1054	0284-2021_1	2018	2014	4	2018-08-14 07:00:00	2019-04-04 13:00:00	1	324.8	236.1	1.3	538.8	754.9	21.2	149.1
1055	0284-2024_0	2018	2014	4	2018-08-17 07:00:00	2019-04-17 14:00:00	1	325.0	216.7	1.2	514.2	715.3	21.2	200.9
1056	0284-2021_1	2018	2014	4	2018-08-18 07:00:00	2019-04-18 14:00:00	1	321.2	272.8	1.2	1296.6	598.8	21.4	0.0
1057	0284-2024_0	2018	2014	4	2018-08-19 07:00:00	2019-04-19 14:00:00	1	321.5	296.8	1.4	1296.6	600.1	12.8	0.0
1058	0284-2024_1	2018	2014	4	2018-08-20 07:00:00	2019-04-20 14:00:00	1	248.1	253.2	1.3	1198.6	599.9	14.9	0.0
1059	0284-2024_0	2018	2014	4	2018-08-21 07:00:00	2019-04-21 14:00:00	1	308.8	344.2	1.2	1295.1	606.3	20.1	0.0
1060	0284-2024_0	2018	2014	4	2018-08-22 07:00:00	2019-04-22 14:00:00	1	308.8	378.2	1.2	1082.1	788.8	36.4	0.0
1061	0284-2024_0	2018	2014	4	2018-08-23 07:00:00	2019-04-23 14:00:00	1	261.0	324.9	1.8	971.5	597.8	57.5	0.0
1062	0284-2024_0	2018	2014	4	2018-08-24 07:00:00	2019-04-24 14:00:00	1	234.3	273.7	1.4	970.9	646.6	13.6	0.0
1063	0284-2024_0	2018	2014	4	2018-08-25 07:00:00	2019-04-25 14:00:00	1	235.7	259.3	1.3	1146.9	629.5	36.1	0.0
1064	0284-2024_0	2018	2014	4	2018-08-26 07:00:00	2019-04-26 14:00:00	1	306.1	318.0	1.1	1199.3	600.2	17.0	0.0
1065	0284-2024_0	2018	2014	4	2018-08-27 07:00:00	2019-04-27 14:00:00	1	263.9	349.0	1.8	1198.8	732.9	26.4	0.0
1066	0284-2024_0	2018	2014	4	2018-08-28 07:00:00	2019-04-28 14:00:00	1	308.5	384.8	1.3	1123.7	822.7	41.3	0.0
1067	0284-2024_0	2018	2014	4	2018-08-29 08:00:00	2019-04-29 14:00:00	1	321.9	342.2	1.1	1296.4	771.5	38.8	0.0
1068	0284-2024_0	2018	2014	4	2018-08-30 07:00:00	2019-04-30 14:00:00	1	308.8	284.5	1.7	963.0	728.1	45.7	114.4
1069	0284-2024_0	2018	2014	4	2018-08-31 07:00:00	2019-05-01 12:00:00	1	328.3	306.5	1.8	834.8	638.6	44.8	724.8
1070	0284-2024_0	2018	2014	4	2018-09-01 06:00:00	2019-05-01 14:00:00	1	306.5	329.8	1.8	1021.2	791.7	40.7	91.8
1071	0284-2024_0	2018	2014	4	2018-09-02 06:00:00	2019-05-01 14:00:00	1	308.5	345.4	1.4	1018.1	809.0	44.1	91.8
1072	0284-2024_0	2018	2014	4	2018-09-04 06:00:00	2019-05-01 14:00:00	1	234.1	133.9	0.6	1041.9	678.3	42.3	0.0
1073	0284-2024_0	2018	2014	4	2018-09-04 06:00:00	2019-05-04 14:00:00	1	307.9	314.9	1.0	1005.4	790.2	43.1	0.0
1074	0284-2024_0	2018	2014	4	2018-09-05 06:00:00	2019-05-05 13:00:00	1	308.5	325.9	1.1	1078.9	835.0	40.8	6.1
1075	0284-2024_0	2018	2014	4	2018-09-06 07:00:00	2019-05-06 12:00:00	1	306.5	180.7	1.2	864.7	751.8	28.8	183.7
1076	0284-2024_0	2018	2014	4	2018-09-07 07:00:00	2019-05-07 13:00:00	1	308.5	196.3	1.2	870.6	806.2	12.8	213.8
1077	0284-2024_0	2018	2014	4	2018-09-08 08:00:00	2019-05-08 13:00:00	1	307.2	191.3	1.1	1264.2	754.1	12.8	0.0
1078	0284-2024_0	2018	2014	4	2018-09-09 06:00:00	2019-05-09 14:00:00	1	308.8	205.1	1.8	1013.1	753.8	19.2	42.5
1079	0284-2024_0	2018	2014	4	2018-09-10 06:00:00	2019-05-10 14:00:00	1	309.1	198.6	1.8	978.8	762.5	25.8	74.1
1080	0284-2024_0	2018	2014	4	2018-09-11 07:00:00	2019-05-11 14:00:00	1	309.3	204.3	1.8	986.2	795.3	32.8	68.8
1081	0284-2024_0	2018	2014	4	2018-09-12 08:00:00	2019-05-12 14:00:00	1	309.3	222.8	1.8	896.8	790.2	30.5	68.8
1082	0284-2024_0	2018	2014	4	2018-09-13 10:00:00	2019-05-13 14:00:00	1	309.3	225.2	1.7	860.5	753.6	19.2	289.3
1083	0284-2024_0	2018	2014	4	2018-09-14 06:00:00	2019-05-14 13:00:00	1	309.3	204.7	1.6	713.4	690.8	23.9	353.1
1084	0284-2024_0	2018	2014	4	2018-09-14 11:00:00	2019-05-14 13:00:00	1	309.3	181.4	1.0	689.7	653.1	42.5	493.4
1085	0284-2024_0	2018	2014	4	2018-09-15 07:00:00	2019-05-15 13:00:00	1	309.3	206.5	1.6	679.6	638.6	37.3	770.3
1086	0284-2024_0	2018	2014	4	2018-09-16 07:00:00	2019-05-16 13:00:00	1	309.1	271.3	0.9	854.9	632.8	32.6	698.0
1087	0284-2024_0	2018	2014	4	2018-09-17 07:00:00	2019-05-16 15:00:00	1	307.1	284.0	1.2	894.8	668.3	25.7	344.4
1088	0284-2024_0	2018	2014	4	2018-09-17 12:00:00	2019-05-17 03:00:00	1	4.8	4.7	0.0	883.1	0.0	23.0	0.0
1089	0284-2024_0	2018	2014	4	2018-09-17 12:00:00	2019-05-17 12:00:00	1	309.3	252.6	1.1	946.1	642.8	34.7	1160.2
1090	0284-2024_0	2018	2014	4	2018-09-18 07:00:00	2019-05-17 15:00:00	1	308.5	264.1	0.7	1014.8	648.4	37.6	972.5
1091	0284-2024_0	2018	2014	4	2018-09-18 07:00:00	2019-05-18 15:00:00	1	309.3	284.1	1.0	871.9	657.4	45.5	981.8
1092	0284-2024_0	2018	2014	4	2018-09-19 07:00:00	2019-05-19 15:00:00	1	308.5	300.1	1.9	856.6	644.2	32.5	934.1
1093	0284-2024_0	2018	2014	4	2018-09-20 07:00:00	2019-05-20 03:00:00	1	309.3	314.1	0.7	746.1	910.6	33.8	98.9
1094	0284-2024_0	2018	2014	4	2018-09-20 17:00:00	2019-05-20 17:00:00	1	308.5	314.6	1.0	774.3	633.5	40.3	811.6
1095	0284-2024_0	2018	2014	4	2018-09-21 07:00:00	2019-05-21 09:00:00	1	308.2	299.1	0.9	611.8	967.4	33.4	87.3
1096	0284-2024_0	2018	2014	4	2018-09-21 11:00:00	2019-05-21 15:00:00	1	308.3	314.8	1.0	838.1	967.9	41.3	498.9
1097	0284-2024_0	2018	2014	4	2018-09-22 07:00:00	2019-05-21 15:00:00	1	308.5	285.6	1.0	750.8	967.9	48.3	498.9
1098	0284-2024_0	2018	2014	4	2018-09-23 07:00:00	2019-05-23 03:00:00	2	19.3	18.0	0.0	882.8	0.0	35.3	0.0
1099	0284-2024_0	2018	2014	4	2018-09-23 07:00:00	2019-05-23 15:00:00	1	308.5	225.8	1.4	766.8	970.1	39.1	0.0
1100	0284-2024_0	2018	2014	4	2018-09-24 15:00:00	2019-05-24 13:00:00	1	7.9	7.9	0.0	884.0	336.8	29.4	0.0
1101	0284-2024_0	2018	2014	4	2018-09-24 17:00:00	2019-05-24 15:00:00	1	308.5	347.5	1.5	885.7	825.1	7.5	84.8
1102	0284-2024_0	2018	2014	4	2018-09-25 07:00:00	2019-05-24 15:00:00	1	308.5	318.3	1.8	949.0	860.8	7.1	126.0
1103	0284-2024_0	2018	2014	4	2018-09-26 07:00:00	2019-05-26 15:00:00	1	308.5	307.2	1.8	957.6	848.8	29.2	479.8
1104	0284-2024_0	2018	2014	4	2018-09-27 07:00:00	2019-05-27 15:00:00	1	308.2	286.3	1.8	960.0	833.7	3.8	235.2
1105	0284-2024_0	2018	2014	4	2018-09-27 12:00:00	2019-05-27 13:00:00	1	308.2	243.8	1.8	893.3	665.5	13.4	284.8
1106	0284-2024_0	2018	2014	4	2018-09-28 06:00:00	2019-05-28 13:00:00	1	308.8	218.6	1.8	969.9	715.5	5.1	474.7
1107	0284-2024_0	2018	2014	4	2018-09-28 13:00:00	2019-05-28 13:00:00	1	308.5	246.1	0.7	713.0	597.1	8.4	201.9
1108	0284-2024_0	2018	2014	4	2018-09-29 08:00:00	2019-05-29 04:00:00	1	36.2	38.4	0.1	324.7	0.0	11.0	0.0
1109	0284-2024_0	2018	2014	4	2018-09-29 07:00:00	2019-05-29 06:00:00	1	308.8	228.8	0.7	788.6	613.7	1.8	79.1
1110	0284-2024_0	2018	2014	4	2018-09-30 11:00:00	2019-05-30 15:00:00	1	308.5	202.7	1.3	970.1	556.1	11.6	448.7
1111	0284-2024_0	2018	2014	4	2018-09-30 17:00:00	2019-05-30 17:00:00	1	44.6	44.6	0.8	403.1	0.0	20.2	0.0
1112	0284-2024_0	2018	2014	4	2018-09-30 19:00:00	2019-05-30 19:00:00	1	44.6	44.6	0.8	403.1	0.0	20.2	0.0
1113	0284-2024_0	2018	2014	4	2018-09-30 07:00:00	2019-05-30 15:00:00	1	308.8	223.2	0.8	697.8	549.3	2.4	440.3
1114	0284-2024_0	2018	2014	4	2018-09-30 12:00:00	2019-05-30 15:00:00	1	308.8	209.2	1.1	678.2	613.4	18.8	447.2
1115	0284-2024_0	2018	2014	4	2018-09-01 01:00:00	2019-05-01 00:00:00	1	14.8	7.8	0.6	404.7	0.0	8.1	0.0
1116	0284-2024_0	2018	2014	4	2018-08-01 07:00:00	2019-05-01 18:00:00	1	308.8	196.1	1.8	710.8	617.5	21.8	288.7
1117	0284-2024_0	2018	2014	4	2018-08-02 02:00:00	2019-05-02 00:00:00	1	38.2	20.8	0.8	407.1	0.0	11.7	0.0
1118	0284-2024_0	2018	2014	4	2018-08-02 07:00:00	2019-05-02 18:00:00	1	308.8	180.8	1.8	710.8	622.6	11.2	422.6
1119	0284-2024_0	2018	2014	4	2018-08-03 07:00:00	2019-05-03 18:00:00	1	308.8	201.0	1.8	708.8	645.1	11.2	422.2
1120	0284-2024_0	2018	2014	4	2018-08-04 07:00:00	2019-05-04 00:00:00	1	308.5	204.8	0.7	693.0	580.9	5.1	78.7
1121	0284-2024_0	2018	2014	4	2018-08-04 11:00:00	2019-05-04 18:00:00	1	308.5	203.2	1.2	734.0	634.0	24.8	108.9
1122	0284-2024_0	2018	2014	4	2018-08-05 07:00:00	2019-05-05 19:00:00	1	309.8	227.0	0.9	662.7	696.8	1.9	89.5
1123	0284-2024_0	2018	2014	4	2018-08-05 11:00:00	2019-05-05 19:00:00	1	308.3	164.4	1.3	687.1	657.4	17.2	457.5
1124	0284-2024_0	2018	2014	4	2018-08-06 07:00:00	2019-05-06 15:00:00	1	308.3	197.2	1.8	940.4	660.9	30.8	462.1
1125	0284-2024_0	2018	2014	4	2018-08-07 07:00:00	2019-05-07 15:00:00	1	308.3	184.9	1.7	950.9	692.5	1.3	295.4
1126	0284-2024_0	2018	2014	4	2018-08-08 07:00:00	2019-05-08 18:00:00	1	308.3	183.4	1.7	958.8	665.9	19.8	456.4
1127	0284-2024_0	2018	2014	4	2018-08-09 07:00:00	2019-05-09 15:00:00	1	308.3	185.2	1.7	928.4	646.9	17.7	438.8
1128	0284-2024_0	2018	2014	4	2018-08-10 06:00:00	2019-05-10 18:00:00	1	308.3	204.4	1.7	894.8	740.8	1.7	291.0
1129	0284-2024_0	2018	2014	4	2018-08-10 07:00:00	2019-05-10 15:00:00	1	308.3	196.1	1.8	754.4	913.3	8.8	172.0
1130	0284-2024_0	2018	2014	4	2018-08-11 07:00:00	2019-05-10 15:00:00	1	308.3	194.8	1.8	962.7	950.6	37.8	175.1
1131	0284-2024_0	2018	2014	4	2018-08-11 11:00:00	2019-05-11 18:00:00	1	308.3	191.6	1.8	960.4	714.2	7.2	0.0
1132	0284-2024_0	2018	2014	4	2018-08-12 07:00:00	2019-05-12 18:00:00	1	308.3	211.8	1.6	948.1	885.2	33.8	42.2
1133	0284-2024_0	2018	2014	4	2018-08-13 08:00:00	2019-05-13 15:00:00	1	308.3	206.8	1.6	926.2	674.5	31.2	36.7
1134	0284-2024_0	2018	2014	4	2018-08-14 06:00:00	2019-05-14 14:00:00	1	308.3	178.8	0.8	923.7	822.7	45.8	0.0
1135	0284-2024_0	2018	2014	4	2018-08-15 07:00:00	2019-05-15 15:00:00	1	308.3	188.9	1.7	756.8	694.7	4.8	588.2
1136	0284-2024_0	2018	2014	4	2018-08-16 07:00:00	2019-05-16 14:00:00	1	308.3	203.1	1.7	894.2	887.8	17.7	131.2
1137	0284-2024_0	2018	2014	4	2018-08-17 07:00:00	2019-05-16 13:00:00	1	308.3	201.2	1.6	974.2	962.9	30.0	452.5
1138	0284-2024_0	2018	2014	4	2018-08-17 12:00:00	2019-05-17 14:00:00	1	308.3	197.9	0.7	886.4	948.4	31.8	147.7
1139	0284-2024_0	2018	2014	4	2018-08-18 01:00:00	2019-05-18 00:00:00	1	11.6	8.7	0.0	394.1	0.0	23.5	0.0
1140	0284-2024_0	2018	2014	4	2018-08-18 07:00:00	2019-05-18 13:00:00	1	308.5	163.7	1.3	857.8	895.7	1.3	127.2
1141	0284-2024_0	2018	2014	4	2018-08-18 11:00:00	2019-05-18 15:00:00	1	308.3	221.3	0.7	898.1	870.8	29.8	30.6
1142	0284-2024_0	2018	2014	4	2018-08-19 01:00:00	2019-05-19 03:00:00	1	21.1	13.9	0.0	390.9	0.0	16.9	0.0
1143	0284-2024_0	2018	2014	4	2018-08-19 07:00:00	2019-05-19 15:00:00	1	308.3	193.0	1.7	963.1	982.9	21.1	599.0
1144	0284-2024_0	2018	2014	4	2018-08-20 06:00:00	2019-05-20 15:00:00	1	51.0	51.0	0.1	984.4	0.0	44.7	0.0
1145	0284-2024_0	2018	2014	4	2018-08-20 13:00:00	2019-05-20 15:00:00	1	308.3	14.8	0.1	413.7	0.0	10.3	0.0
1146	0284-2024_0	2018	2014	4	2018-08-21 07:00:00	2019-05-21 13:00:00	1	308.3	164.6	1.1	977.0	955.1	31.4	961.2
1147	0284-2024_0	2018	2014	4	2018-08-21 11:00:00	2019-05-21 15:00:00	1	308.3	169.4	0.4	982.7	837.2	40.3	0.0
1148	0284-2024_0	2018	2014	4	2018-08-22 07:00:00	2019-05-22 15:00:00	1	308.3	84.3	0.2	424.8	0.0	20.2	0.0
1149	0284-2024_0	2018	2014	4	2018-08-22 15:00:00	2019-05-22 15:00:00	1	308.3	84.3	0.2	424.8	0.0	20.2	0.0
1150	0284-2024_0	2018	2014	4	2018-08-23 07:00:00	2019-05-23 15:00:00	1	308.3	203.7	1.8	987.0	939.6	33.4	444.2
1151	0284-2024_0	2018	2014	4	2018-08-24 01:00:00	2019-05-24 03:00:00	1	34.5	25.9	0.1	408.2	0.0	23.6	0.0
1152	0284-2024_0	2018	2014	4	2018-08-24 07:00:00	2019-05-24 15:00:00	1	308.3	211.7	0.8	994.8	992.5	18.7	128.3
1153	0284-2024_0	2018	2014	4	2018-08-24 12:00:00	2019-05-24 15:00:00	1	308.3	246.1	1.0	980.2	990.8	37.1	215.2
1154	0284-2024_0	2018	2014	4	2018-08-25 01:00:00	2019-05-25 03:00:00	1	15.1	8.9	0.0	408.1	0.0	18.3	0.0
1155	0284-2024_0	2018	2014	4	2018-08-25 07:00:00	2019-05-25 15:00:00	1	308.3	207.3	0.9	998.1	987.8	30.8	306.8
1156	0284-2024_0	2018	2014	4	2018-08-26 07:00:00	2019-05-26 07:00:00	1	4.1	4.1	0.0	975.2	0.0	8.6	0.0
1157	0284-2024_0	2018	2014	4	2018-08-26 07:00:00	2019-05-26 13:00:00	1	308.3	193.2	1.0	960.0	998.0	6.7	497.0
1158	0284-2024_0	2018	2014	4	2018-08-26 13:00:00	2019-05-26 15:00:00	1	308.3	210.3	1.0	962.4	997.6	3.8	353.0
1159	0284-2024_0	2018	2014	4	2018-08-27 00:00:00	2019-05-27 04:00:00	1	54.5	27.8	0.2	396.8	0.0	46.4	0.0
1160	0284-2024_0	2018	2014	4	2018-08-27 07:00:00	2019-05-27 11:00:00	1	308.3	151.7	1.5	981.2	992.0	37.3	626.9
1161	0284-2024_0	2018	2014	4	2018-08-27 11:00:00	2019-05-27 15:00:00	1	308.3	241.3	0.7	962.4	919.2	31.3	182.2
1162	0284-2024_0	2018	2014	4	2018-08-28 07:00:00	2019-05-28 00:00:00	1	47.6	40.7	0.3	396.1	0.0	54.3	0.0
1163	0284-2024_0	2018	2014	4	2018-08-28 07:00:00	2019-05-28 15:00:00	1	308.5	194.3	1.8	985.3	970.9	31.5	379.7
1164	0284-2024_0	2018	2014	4	2018-08-29 07:00:00	2019-05-29 15:00:00	1	308.5	190.2	1.7	982.7	974.6	30.3	405.0
1165	0284-2024_0	2018	2014	4	2018-08-30 01:00:00	2019-05-30 03:00:00	1	33.1	7.9	0.0	396.8	0.0	24.8	0.0
1166	0284-2024_0	2018	2014	4	2018-08-30 07:00:00	2019-05-30 15:00:00	1	308.5	195.8	1.7	980.7	970.6	7.2	913.7
1167	0284-2024_0	2018	2014	4	2018-08-31 06:00:00	2019-05-30 15:00:00	1	49.2	38.2	0.1	402.2	0.0	37.0	0.0
1168	0284-2024_0	2018	2014	4	2018-08-31 07:00:00	2019-05-31 14:00:00	1	308.5	190.4	1.7	994.0	973.8	31.8	993.3
1169	0284-2024_0	2018	2014	4	2018-08-01 06:00:00	2019-05-01 21:00:00	1	7.1	4.1	0.0	406.1	0.0	32.4	0.0
1170	0284-2024_0	2018	2014	4	2018-08-01 07:00:00	2019-05-01 14:00:00	1	308.5	194.3	1.7	990.3	982.2	21.0	283.7
1171	0284-2024_0	2018	2014	4	2018-08-01 08:00:00	2019-05-02 12:00:00	1	19.8	12.9	0.0	402.0	0.0	31.4	0.0
1172	0284-2024_0	2018	2014	4	2018-08-02 07:00:00	2019-05-02 13:00:00	1	308.5	199.0	1.8	994.4	972.0	37.6	724.2
1173	0284-2024_0	2018	2014	4	2018-08-03 21:00:00	2019-05-03 09:00:00	1	49.7	49.2	0.4	399.2	0.0	33.8	0.0
1174	0284-2024_0	2018	2014	4	2018-08-04 10:00:00	2019-05-04 14:00:00	1	307.9	197.1	1.0	998.0	994.0	32.0	0.0
1175	0284-2024_0	2018	2014	4	2018-08-05 01:00:00	2019-05-04 24:00:00	1	68.6	34.7	0.3	403.4	0.0	39.7	0.0
1176	0284-2024_0	2018	2014	4	2018-08-05 08:00:00	2019-05-05 14:00:00	1	306.3	214.4	1.1	998.6	992.3	4.1	0.0
1177	0284-2024_0	2018	2014	4	2018-08-06 07:00:00	2019-05-06 13:00:00	1	308.5	207.6	1.7	999.5	995.0	4.8	714.8
1178	0284-2024_0	2018	2014	4	2018-08-07 07:00:00	2019-05-07 15:00:00	1	5.5	5.7	0.0	395.1	0.0	25.9	0.0
1179	0284-2024_0	2018	2014	4	2018-08-07 07:00:00	2019-05-07 13:00:00	1	308.5	198.3	1.8	994.3	994.9	23.1	998.7
1180	0284-2024_0	2018	2014	4	2018-08-08 00:00:00	2019-05-08 24:00:00	1	43.5	33.1	0.2	390.4	0.0	57.5	0.0
1181	0284-2024_0	2018	2014	4	2018-08-08 07:00:00	2019-05-08 21:00:00	1	308.5	200.8	1.3	986.5	998.8	15.9	343.0
1182	0284-2024_0	2018	2014	4	2018-08-09 07:00:00	2019-05-09 14:00:00	1	308.5	197.7	0.7	994.1	988.2	15.0	168.7
1183	0284-2024_0	2018	2014	4	2018-08-10 06:00:00	2019-05-10 14:00:00	1	33.8	26.2	0.1	399.1	0.0	58.3	0.0
1184	0284-2024_0	2018	2014	4	2018-08-10 07:00:00	2019-05-10 13:00:00	1	308.5	198.8	0.7	986.1	998.4	13.5	846.2
1185	0284-2024_0	2018	2014	4	2018-08-11 06:00:00	2019-05-11 15:00:00	1	308.5	204.7	1.3	976.5	984.3	13.1	481.8
1186	0284-2024_0	2018	2014	4	2018-08-11 09:00:00	2019-05-11 14:00:00	1	308.5	204.7	1.3	976.5	984.3	13.1	481.8
1187	0284-2024_0	2018	2014	4	2018-08-12 06:00:00	2019-05-12 14:00:00	1	18.8	18.5	0.1	975.9	0.0	37.5	0.0
1188	0284-2024_0	2018	2014	4	2018-08-12 07:00:00	2019-05-12 15:00:00	1	308.5	198.3	1.7	974.1	979.4	31.8	978.1
1189	0284-2024_0	2018	2014	4	2018-08-13 07:00:00	2019-05-13 15:00:00	1	44.8	44.8	0.1	972.9	0.0	49.6	0.0
1190	0284-2024_0	2018	2014	4	2018-08-13 11:00:00	2019-05-13 15:00:00	1	308.5	250.8	1.3	986.5	1004.8	15.9	343.0
1191	0284-2024_0	2018	2014	4	2018-08-14 07:00:00	2019-05-14 15:00:00	1	308.5	197.7	0.7	994.1	988.2	15.0	168.7
1192	0284-2024_0	2018	2014	4	2018-08-15 07:00:00	2019-05-15 15:00:00	1	308.5	198.3	1.7	974.1	979.4	31.8	978.1
1193	0284-2024_0	2018	2014	4	2018-08-16 07:00:00	2019-05-16 15:00:00	1	308.5	197.7	1.7	994.1	988.2	15.0	168.7
1194	0284-2024_0	2018	2014	4	2018-08-17 07:00:00	2019-05-17 15:00:00	1	308.5	198.3	1.7	974.1	979.4	31.8	978.1
1195	0284-2024_0	2018	2014	4	2018-08-18 07:00:00	2019-05-18 15:00:00	1	308.5	197.7	1.7	994.1	988.2	15.0	168.7
1196	0284-2024_0	2018	2014	4	2018-08-19 07:00:00	2019-05-19 15:00:00	1	308.5	198.3	1.7	974.1	979.4	31.8	978.1
1197	0284-2024_0	2018	2014	4	2018-08-20 07:00:00	2019-05-20 15:00:00	1	308.5	197.7	1.7	994.1	988.2	15.0	168.7
1198	0284-2024_0	2018	2014	4	2018-08-21 07:00:00	2019-05-21 15:00:00	1	308.5	198.3	1.7	974.1	979.4	31.8	978.1
1199	0284-2024_0	2018	2014	4	2018-08-22 07:00:00	2019-05-22 15:00:00	1	308.5	197.7	1.7	994.1	988.2	15.0	168.7
1200	0284-2024_0	2018	2014	4	2018-08-23 07:00:00	2019-05-23 15:00:00	1	308.5	198.3	1.7	974.1	979.4	31.8	978.1
1201	0284-2024_0	2018	2014	4	2018-08-24 07:00:00	2019-05-24 15:00:00	1	308.5	197.7	1.7	994.1	988.2	15.0	168.7
1202	0284-2024_0	2018	2014	4	2018-08-25 07:00:00	2019-05-25 15:00:00	1	308.5	198.3	1.7

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	727	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1170	0184-0029_1	2018	2018	1	2018-03-18 08:00:00	2018-03-18 13:00:00	5	512.1	102.4	1.1	512.1	460.9	51.2	0.0
1171	0184-0030_1	2018	2018	2	2018-03-19 09:00:00	2018-03-19 14:00:00	5	51.3	10.3	0.2	102.6	0.0	0.0	0.0
1172	0184-0031_1	2018	2018	3	2018-03-20 10:00:00	2018-03-20 15:45:00	5	343.6	68.7	1.2	412.3	371.1	41.2	0.0
1173	0184-0032_1	2018	2018	4	2018-03-21 11:00:00	2018-03-21 16:00:00	5	102.9	20.6	0.4	123.5	0.0	0.0	0.0
1174	0184-0033_1	2018	2018	5	2018-03-22 12:00:00	2018-03-22 17:00:00	5	154.4	30.9	0.5	185.3	166.8	18.5	0.0
1175	0184-0034_1	2018	2018	6	2018-03-23 13:00:00	2018-03-23 18:00:00	5	257.4	51.5	0.9	308.9	278.0	30.9	0.0
1176	0184-0035_1	2018	2018	7	2018-03-24 14:00:00	2018-03-24 19:00:00	5	360.3	72.1	1.3	432.4	389.1	43.2	0.0
1177	0184-0036_1	2018	2018	8	2018-03-25 15:00:00	2018-03-25 20:00:00	5	463.2	92.6	1.6	555.8	500.2	55.6	0.0
1178	0184-0037_1	2018	2018	9	2018-03-26 16:00:00	2018-03-26 21:00:00	5	566.1	113.2	2.0	679.3	611.4	67.9	0.0
1179	0184-0038_1	2018	2018	10	2018-03-27 17:00:00	2018-03-27 22:00:00	5	669.0	133.8	2.4	802.8	722.5	80.3	0.0
1180	0184-0039_1	2018	2018	11	2018-03-28 18:00:00	2018-03-29 00:00:00	6	772.0	154.4	2.7	926.4	833.8	92.6	0.0
1181	0184-0040_1	2018	2018	12	2018-03-29 19:00:00	2018-03-30 01:00:00	6	874.9	175.0	3.1	1049.9	945.0	105.0	0.0
1182	0184-0041_1	2018	2018	13	2018-03-30 20:00:00	2018-03-31 02:00:00	6	977.8	195.6	3.5	1173.4	1056.1	117.3	0.0
1183	0184-0042_1	2018	2018	14	2018-03-31 21:00:00	2018-04-01 03:00:00	6	1080.7	216.1	3.8	1296.8	1167.1	129.7	0.0
1184	0184-0043_1	2018	2018	15	2018-04-01 22:00:00	2018-04-02 04:00:00	6	1183.6	236.7	4.2	1420.3	1278.2	142.0	0.0
1185	0184-0044_1	2018	2018	16	2018-04-02 23:00:00	2018-04-03 05:00:00	6	1286.5	257.3	4.6	1543.8	1389.4	154.4	0.0
1186	0184-0045_1	2018	2018	17	2018-04-04 00:00:00	2018-04-04 06:00:00	6	1389.4	277.9	4.9	1667.3	1500.6	166.7	0.0
1187	0184-0046_1	2018	2018	18	2018-04-05 01:00:00	2018-04-05 07:00:00	6	1492.3	298.5	5.3	1790.8	1611.7	179.1	0.0
1188	0184-0047_1	2018	2018	19	2018-04-06 02:00:00	2018-04-06 08:00:00	6	1595.2	319.0	5.7	1914.2	1722.8	191.4	0.0
1189	0184-0048_1	2018	2018	20	2018-04-07 03:00:00	2018-04-07 09:00:00	6	1698.1	339.6	6.0	2037.7	1833.9	203.8	0.0
1190	0184-0049_1	2018	2018	21	2018-04-08 04:00:00	2018-04-08 10:00:00	6	1801.0	360.2	6.4	2161.2	1945.1	216.1	0.0
1191	0184-0050_1	2018	2018	22	2018-04-09 05:00:00	2018-04-09 11:00:00	6	1903.9	380.8	6.8	2284.7	2056.2	228.5	0.0
1192	0184-0051_1	2018	2018	23	2018-04-10 06:00:00	2018-04-10 12:00:00	6	2006.8	401.4	7.1	2408.2	2167.4	240.8	0.0
1193	0184-0052_1	2018	2018	24	2018-04-11 07:00:00	2018-04-11 13:00:00	6	2109.7	421.9	7.5	2531.7	2278.5	253.2	0.0
1194	0184-0053_1	2018	2018	25	2018-04-12 08:00:00	2018-04-12 14:00:00	6	2212.6	442.5	7.9	2655.1	2389.6	265.5	0.0
1195	0184-0054_1	2018	2018	26	2018-04-13 09:00:00	2018-04-13 15:00:00	6	2315.5	463.1	8.2	2778.6	2500.7	277.9	0.0
1196	0184-0055_1	2018	2018	27	2018-04-14 10:00:00	2018-04-14 16:00:00	6	2418.4	483.7	8.6	2902.1	2611.9	290.2	0.0
1197	0184-0056_1	2018	2018	28	2018-04-15 11:00:00	2018-04-15 17:00:00	6	2521.3	504.3	9.0	3025.6	2723.0	302.6	0.0
1198	0184-0057_1	2018	2018	29	2018-04-16 12:00:00	2018-04-16 18:00:00	6	2624.2	524.8	9.3	3149.1	2834.2	314.9	0.0
1199	0184-0058_1	2018	2018	30	2018-04-17 13:00:00	2018-04-17 19:00:00	6	2727.1	545.4	9.7	3272.5	2945.3	327.2	0.0
1200	0184-0059_1	2018	2018	31	2018-04-18 14:00:00	2018-04-18 20:00:00	6	2830.0	566.0	10.1	3396.0	3056.4	339.6	0.0
1201	0184-0060_1	2018	2018	32	2018-04-19 15:00:00	2018-04-19 21:00:00	6	2932.9	586.6	10.4	3519.5	3167.5	351.9	0.0
1202	0184-0061_1	2018	2018	33	2018-04-20 16:00:00	2018-04-20 22:00:00	6	3035.8	607.2	10.8	3642.9	3278.6	364.3	0.0
1203	0184-0062_1	2018	2018	34	2018-04-21 17:00:00	2018-04-21 23:00:00	6	3138.7	627.7	11.2	3766.4	3389.7	376.6	0.0
1204	0184-0063_1	2018	2018	35	2018-04-22 18:00:00	2018-04-23 00:00:00	6	3241.6	648.3	11.5	3889.9	3500.9	389.0	0.0
1205	0184-0064_1	2018	2018	36	2018-04-23 19:00:00	2018-04-24 01:00:00	6	3344.5	668.9	11.9	4013.4	3612.0	401.3	0.0
1206	0184-0065_1	2018	2018	37	2018-04-24 20:00:00	2018-04-25 02:00:00	6	3447.4	689.5	12.3	4136.9	3723.2	413.7	0.0
1207	0184-0066_1	2018	2018	38	2018-04-25 21:00:00	2018-04-26 03:00:00	6	3550.3	710.1	12.6	4260.3	3834.3	426.0	0.0
1208	0184-0067_1	2018	2018	39	2018-04-26 22:00:00	2018-04-27 04:00:00	6	3653.2	730.6	13.0	4383.8	3945.4	438.4	0.0
1209	0184-0068_1	2018	2018	40	2018-04-27 23:00:00	2018-04-28 05:00:00	6	3756.1	751.2	13.4	4507.3	4056.5	450.7	0.0
1210	0184-0069_1	2018	2018	41	2018-04-29 00:00:00	2018-04-29 06:00:00	6	3859.0	771.8	13.7	4630.7	4167.7	463.1	0.0
1211	0184-0070_1	2018	2018	42	2018-04-30 01:00:00	2018-04-30 07:00:00	6	3961.9	792.4	14.1	4754.2	4278.8	475.4	0.0
1212	0184-0071_1	2018	2018	43	2018-05-01 02:00:00	2018-05-01 08:00:00	6	4064.8	813.0	14.5	4877.7	4389.9	487.8	0.0
1213	0184-0072_1	2018	2018	44	2018-05-02 03:00:00	2018-05-02 09:00:00	6	4167.7	833.5	14.8	5001.2	4501.0	500.1	0.0
1214	0184-0073_1	2018	2018	45	2018-05-03 04:00:00	2018-05-03 10:00:00	6	4270.6	854.1	15.2	5124.6	4612.1	512.5	0.0
1215	0184-0074_1	2018	2018	46	2018-05-04 05:00:00	2018-05-04 11:00:00	6	4373.5	874.7	15.6	5248.1	4723.3	524.8	0.0
1216	0184-0075_1	2018	2018	47	2018-05-05 06:00:00	2018-05-05 12:00:00	6	4476.4	895.3	15.9	5371.6	4834.4	537.2	0.0
1217	0184-0076_1	2018	2018	48	2018-05-06 07:00:00	2018-05-06 13:00:00	6	4579.3	915.9	16.3	5495.1	4945.5	549.5	0.0
1218	0184-0077_1	2018	2018	49	2018-05-07 08:00:00	2018-05-07 14:00:00	6	4682.2	936.4	16.7	5618.5	5056.7	561.9	0.0
1219	0184-0078_1	2018	2018	50	2018-05-08 09:00:00	2018-05-08 15:00:00	6	4785.1	957.0	17.0	5742.0	5167.8	574.2	0.0
1220	0184-0079_1	2018	2018	51	2018-05-09 10:00:00	2018-05-09 16:00:00	6	4888.0	977.6	17.4	5865.5	5278.9	586.6	0.0
1221	0184-0080_1	2018	2018	52	2018-05-10 11:00:00	2018-05-10 17:00:00	6	4990.9	998.2	17.8	5988.9	5390.0	598.9	0.0
1222	0184-0081_1	2018	2018	53	2018-05-11 12:00:00	2018-05-11 18:00:00	6	5093.8	1018.8	18.1	6112.4	5501.1	611.2	0.0
1223	0184-0082_1	2018	2018	54	2018-05-12 13:00:00	2018-05-12 19:00:00	6	5196.7	1039.3	18.5	6235.9	5612.3	623.6	0.0
1224	0184-0083_1	2018	2018	55	2018-05-13 14:00:00	2018-05-13 20:00:00	6	5299.6	1059.9	18.9	6359.3	5723.4	635.9	0.0
1225	0184-0084_1	2018	2018	56	2018-05-14 15:00:00	2018-05-14 21:00:00	6	5402.5	1080.5	19.2	6482.8	5834.5	648.3	0.0
1226	0184-0085_1	2018	2018	57	2018-05-15 16:00:00	2018-05-15 22:00:00	6	5505.4	1101.1	19.6	6606.2	5945.6	660.6	0.0
1227	0184-0086_1	2018	2018	58	2018-05-16 17:00:00	2018-05-16 23:00:00	6	5608.3	1121.7	20.0	6729.7	6056.7	673.0	0.0
1228	0184-0087_1	2018	2018	59	2018-05-17 18:00:00	2018-05-18 00:00:00	6	5711.2	1142.2	20.3	6853.2	6167.9	685.3	0.0
1229	0184-0088_1	2018	2018	60	2018-05-18 19:00:00	2018-05-19 01:00:00	6	5814.1	1162.8	20.7	6976.6	6279.0	697.7	0.0
1230	0184-0089_1	2018	2018	61	2018-05-19 20:00:00	2018-05-20 02:00:00	6	5917.0	1183.4	21.1	7100.1	6390.1	710.0	0.0
1231	0184-0090_1	2018	2018	62	2018-05-20 21:00:00	2018-05-21 03:00:00	6	6019.9	1204.0	21.4	7223.6	6501.2	722.4	0.0
1232	0184-0091_1	2018	2018	63	2018-05-21 22:00:00	2018-05-22 04:00:00	6	6122.8	1224.6	21.8	7347.0	6612.3	734.7	0.0
1233	0184-0092_1	2018	2018	64	2018-05-22 23:00:00	2018-05-23 05:00:00	6	6225.7	1245.1	22.2	7470.5	6723.5	747.1	0.0
1234	0184-0093_1	2018	2018	65	2018-05-24 00:00:00	2018-05-24 06:00:00	6	6328.6	1265.7	22.5	7594.0	6834.6	759.4	0.0
1235	0184-0094_1	2018	2018	66	2018-05-25 01:00:00	2018-05-25 07:00:00	6	6431.5	1286.3	22.9	7717.5	6945.7	771.8	0.0
1236	0184-0095_1	2018	2018	67	2018-05-26 02:00:00	2018-05-26 08:00:00	6	6534.4	1306.9	23.3	7840.9	7056.8	784.1	0.0
1237	0184-0096_1	2018	2018	68	2018-05-27 03:00:00	2018-05-27 09:00:00	6	6637.3	1327.5	23.6	7964.4	7168.0	796.4	0.0
1238	0184-0097_1	2018	2018	69	2018-05-28 04:00:00	2018-05-28 10:00:00	6	6740.2	1348.0	24.0	8087.9	7279.1	808.8	0.0
1239	0184-0098_1	2018	2018	70	2018-05-29 05:00:00	2018-05-29 11:00:00	6	6843.1	1368.6	24.4	8211.3	7390.2	821.1	0.0
1240	0184-0099_1	2018	2018	71	2018-05-30 06:00:00	2018-05-30 12:00:00	6	6946.0	1389.2	24.7	8334.8	7501.3	833.5	0.0
1241	0184-0100_1	2018	2018	72	2018-05-31 07:00:00	2018-05-31 13:00:00	6	7048.9	1409.8	25.1	8458.3	7612.5	845.8	0.0
1242	0184-0101_1	2018	2018	73	2018-06-01 08:00:00	2018-06-01 14:00:00	6	7151.8	1430.4	25.5	8581.7	7723.6	858.2	0.0
1243	0184-0102_1	2018	2018	74	2018-06-02 09:00:00	2018-06-02 15:00:00	6	7254.7	1450.9	25.8	8705.2	7834.7	870.5	0.0
1244	0184-0103_1	2018	2018	75	2018-06-03 10:00:00	2018-06-03 16:00:00	6	7357.6	1471.5	26.2	8828.7	7945.8	882.9	0.0
1245	0184-0104_1	2018	2018	76	2018-06-04 11:00:00	2018-06-04 17:00:00	6	7460.5	1492.1	26.6	8952.1	8057.0	895.2	0.0
1246	0184-0105_1	2018	2018	77	2018-06-05 12:00:00	2018-06-05 18:00:00	6	7563.4	1512.7	26.9	9075.6	8168.1	907.6	0.0
1247	0184-0106_1	2018	2018	78	2018-06-06 13:00:00	2018-06-06 19:00:00	6	7666.3	1533.3	27.3	9199.1	8279.2	919.9	0.0
1248	0184-0107_1	2018	2018	79	2018-06-07 14:00:00	2018-06-07 20:00:00	6	7769.2	1553.8	27.7	9322.5	8390.3	932.3	0.0
1249	0184-0108_1	2018	2018	80	2018-06-08 15:00:00	2018-06-08 21:00:00	6	7872.1	1574.4	28.0	9446.0	8501.4	944.6	0.0
1250	0184-0109_1	2018	2018	81	2018-06-09 16:00:00	2018-06-09 22:00:00	6	7975.0	1595.0	28.4	9569.5	8612.5	956.9	0.0
1251	0184-0110_1	2018	2018	82	2018-06-10 17:00:00	2018-06-10 23:00:00	6	8077.9	1615.6	28.8	9692.9	8723.6	969.3	0.0
1252	0184-0111_1	2018	2018	83	2018-06-11 18:00:00	2018-06-12 00:00:00	6	8180.8	1636.2	29.1	9816.4	8834.7	981.6	0.0
1253	0184-0112_1	2018	2018	84	2018-06-12 19:00:00	2018-06-13 01:00:00	6	8283.7	1656.7	29.5	9939.9	8945.8	994.0	0.0
1254	0184-0113_1	2018	2018	85	2018-06-13 20:00:00	2018-06-14 02:00:00	6	8386.6	1677.3	29.9	10063.3	9056.9	1006.3	0.0
1255	0184-0114_1	2018	2018	86	2018-06-14 21:00:00	2018-06-15 03:00:00	6	8489.5	1697.9	30.2	10186.8	9168.1	1018.7	0.0
1256	0184-0115_1	2018	2018	87	2018-06-15 22:00:00	2018-06-16 04:00:00	6	8592.4	1718.5	30.6	10310.3	9279.2	1031.0	0.0
1257	0184-0116_1	2018	2018	88	2018-06-16 23:00:00	2018-06-17 05:00:00	6	8695.3	1739.1	31.0	10433.7	9390.3	1043.4	0.0
1258	0184-0117_1	2018	2018	89	2018-06-18 00:00:00	2018-06-18 06:00:00	6	8798.2	1759.6	31.3	10557.2	9501.4	1055.7	0.0
1259	0184-0118_1	2018	2018	90	2018-06-19 01:00:00	2018-06-19 07:00:00	6	8901.1	1780.2	31.7	10680.7	9612.5	1068.1	0.0
1260	0184-0119_1	2018	2018	91	2018-06-20 02:00:00	2018-06-20 08:00:00	6	9004.0	1800.8	32.1	10804.1	9723.7	1080.4	0.0
1261	0184-0120_1	2018	2018	92	2018-06-21 03:00:00	2018-06-21 09:00:00	6	9106.9	1821.4	32.4	10927.6	9834.8	1092.8	0.0
1262	0184-0121_1	2018	2018	93	2018-06-22 04:00:00	2018-06-22 10:00:00	6	9209.8	1842.0	32.8	11051.1	9945.9	1105.1	0.0
1263	0184-0122_1	2018	2018	94	2018-06-23 05:00:00	2018-06-23 11:00:00	6	9312.7	1862.5	33.2	11174.5	10057.0	1117.5	0.0
1264	0184-0123_1	2018	2018	95	2018-06-24 06:00:00	2018-06-24 12:00:00	6	9415.6	1883.1	33.5	11298.0	10168.2	1129.8	0.0
1265	0184-0124_1	2018	2018	96	2018-06-25 07:00:00	2018-06-25 13:00:00	6	9518.5	1903.7	33.9	11421.5	10279.3	1142.2	0.0
1266	0184-0125_1	2018	2018	97	2018-06-26 08:00:00	2018-06-26 14:00:00	6	9621.4	1924.3	34.3	11544.9	10390.4	1154.5	0.0
1267	0184-0126_1	2018	2018	98	2018-06-27 09:00:00	2018-06-27 15:00:00	6	9724.3	1944.9	34.6	11668.4	10501.5	1166.8	0.0
1268	0184-0127_1	2018	2018	99	2018-06-28 10:00:00	2018-06-28 16:00:00	6	9827.2	1965.4	35.0	11791.9	10612.7	1179.2	0.0
1269	0184-0128_1	2018	2018	100	2018-06-29 11:00:00	2018-06-29 17:00:00	6	9930.1	1986.0	35.4	11915.3	10723.8	1191.5	0.0
1270	0184-0129_1	2018	2018	101	2018-06-30 12:00:00	2018-06-30 18:00:00	6	10033.0	2006.6	35.7	12038.8	10834.9	1203.9	0.0
1271	0184-0130_1	2018	2018	102	2018-07-01 13:00:00	2018-07-01 19:00:00	6	10135.9	2027.2	36.1	12162.3	10946.0	1216.2	0.0
1272	0184-0131_1	2018	2018	103	2018-07-02 14:00:00	2018-07-02 20:00:00	6	10238.8	2047.7	36.5	12285.7	11057.1	1228.6	0.0
1273	0184-0132_1	2018	2018	104	2018-07-03 15:00:00	2018-07-03 21:00:00	6	10341.7	2068.3	36.8	12409.2	11168.3	1240.9	0.0
1274	0184-0133_1	2018	2018	105	2018-07-04 16:00:00	2018-07-04 22:00:00	6	10444.6	2088.9	37.2	12532.7	11279.4	1253.3	0.0
1275	0184-0134_1	2018	2018	106	2018-07-05 17:00:00	2018-07-05 23:00:00	6	10547.5	2109.5	37.6	12656.1	11390.5	1265.6	0.0
1276	0184-0135_1	2018	2018	107	2018-07-06 18:00:00	2018-07-07 00:00:00	6	10650.4	2130.1	37.9	12779.6	11501.6	1278.0	0.0
1277	0184-0136_1	2018	2018	108	2018-07-07 19:00:00	2018-07-08 01:00:00	6	10753.3	2150.6	38.3	12903.1	11612.8	1290.3	0.0
1278	0184-0137_1	2018	2018	109	2018-07-08 20:00:00	2018-07-09 02:00:00	6	10856.2	2171.2	38.7	13026.5	11723.9	1302.7	0.0
1279	0184-0138_1	2018	2018	110	2018-07-09 21:00:00	2018-07-10 03:00:00	6	10959.1	2191.8	39.0	13150.0	11835.0	1315.0	0.0
1280	0184-0139_1	2018	2018	111	2018-07-10 22:00:00	2018-07-11 04:00:00	6	11062.0	2212.4	39.4	13273.5	11946.1	1327.4	0.0
1281	0184-0140_1	2018	2018	112	2018-07-11 23:00:00	2018-07-12 05:00:00	6	11164.9	2233.0	39.8	13396.9	12057.2	1339.7	0.0
1282	0184-0141_1	2018	2018	113	2018-07-13 00:00:00	2018-07-13 06:00:00	6	11267.8	2253.5	40.1	13520.4	12168.3	1352.1	0.0
1283	0184-0142_1	2018	2018	114	2018-07-14 01:00:00	2018-07-14 07:00:00	6	11370.7	2274.1	40.5	13643.8	12279.4	1364.4	0.0
1284	0184-0143_1	2018	2018	115	2018-07-15 02:00:00	2018-07-15 08:00:00	6	11473.6	2294.7	40.9	13767.3	12390.6	1376.7	0.0
1285	0184-0144_1	2018	2018	116	2018-07-16 03:00:00	2018-07-16 09:00:00	6	11576.5	2315.3	41.2	13890.8	12501.7	1389.1	0.0
1286	0184-0145_1	2018	2018	117	2018-07-17 04:00:00	2018-07-17 10:00:00	6	11679.4	2335.9	41.6	14014.2	12612.8	1401.4	0.0
1287	0184-0146_1	2018	2018	118	2018-07-18 05:00:00	2018-07-18 11:00:00	6	11782.3	2356.4	42.0	14137.7	12723.9	1413.8	0.0
1288	0184-0147_1	2018	2018	119	2018-07-19 06:00:00	2018-07-19 12:00:00	6	11885.2	2377.0	42.3	14261.2	12835.1	1426.1	0.0
1289	0184-0148_1	2018	2018	120	2018-07-20 07:00:00	2018-07-20 13:00:00	6	11988.1	2397.6	42.7	14384.6	12946.2	1438.5	0.0
1290	0184-0149_1	2018	2018	121	2018-07-21 08:00:00	2018-07-21 14:00:00	6	12091.0	2418.2	43.1	14508.1	13057.3	1450.8	0.0
1291	0184-0150_1	2018	2018	122	2018-07-22 09:00:00	2018-07-22 15:00:00	6	12193.9	2438.8	43.4	14631.5	13168.4	1463.2	0.0
1292	0184-0151_1	2018	2018	123	2018-07-23 10:00:00	2018-07-23 16:00:00	6	12296.8	2459.3	43.8	14755.0	13279.5	1475.5	0.0
1293	0184-0152_1	2018	2018	124	2018-07-24 11:00:00	2018-07-24 17:00:00	6	12399.7	2479.9	44.2	14878.4	13390.6	1487.9	0.0
1294	0184-0153_1	2018	2018	125	2018-07-25 12:00:00	2018-07-25 18:00:00	6	12502.6	2500.5	44.5	15001.9	13501.7	1500.2	0.0
1295	0184-0154_1	2018	2018	126	2018-07-26 13:00:00	2018-07-26 19:00:00	6	12605.5	2521.1	44.9	15125.4	13612.9	1512.5	0.0
1296	0184-0155_1	2018	2018	127	2018-07-27 14:00:00	2018-07-27 20:00:00	6	12708.4	2541.7	45.3	15248.8	13724.0	1524.9	0.0
1297	0184-0156_1	2018	2018	128	2018-07-28 15:00:00	2018-07-28 21:00:00	6	12811.3	2562.3	45.6	15372.3	13835.1	1537.2	0.0
1298	0184-0157_1	2018	2018	129	2018-07-29 16:00:00	2018-07-29 22:00:00	6	12914.2	2582.8	46.0	15495.7	13946.2	1549.6	0.0
1299	0184-0158_1	2018	2018	130	2018-07-30 17:00:00	2018-07-30 23:00:00	6	13017.1	2603.4	46.4	15619.2	14057.3	1561.9	0.0
1300	0184-0159_1	2018	2018	131	2018-07-31 18:00:00	2018-08-01 00:00:00	6	13120.0	2624.0	46.7	15742.7	14168.4	1574.3	0.0
1301	0184-0160_1	2018	2018	132	2018-08-01 19:00:00	2018-08-02 01:00:00	6	13222.9	2644.6	47.1	15866.1	14279.5	1586.6	0.0
1302	0184-0161_1	2018	2018	133	2018-08-02 20:00:00	2018-08-03 02:00:00	6	13325.8	2665.2	47.5	15989.6	14390.7	1599.0	0.0
1303	0184-0162_1	2018	2018	134	2018-08-03 21:00:00	2018-08-04 03:00:00	6	13428.7	2685.7	47.8	16113.1	14501.8	1611.3	0.0
1304	0184-0163_1	2018	2018	135	2018-08-04 22:00:00	2018-08-05 04:00:00	6	13531.6	2706.3	48.2	16236.5	14612.9	1623.7	0.0
1305	0184-0164_1	2018	2018	136	2018-08-05 23:00:00	2018-08-06 05:00:00	6	13634.5	2726.9	48.6	16360.0	14724.0	1636.0	0.0
1306	0184-0165_1	2018	2018	137	2018-08-07 00:00:00	2018-08-07 06:00:00	6	13737.4	2747.5	48.9	16483.5	14835.1	1648.3	0.0
1307	0184-0166_1	2018	2018	138	2018-08-08 01:00:00	2018-08-08 07:00:00	6	13840.3	2768.1	49.3	16606.9	14946.2	1660.7	0.0
1308	0184-0167_1	2018	2018	139	2018-08-09 02:00:00	2018-08-09 08:00:00	6	13943.2	2788.6	49.7	16730.4	15057.4	1673.0	0.0
1309	0184-0168_1	2018	2018	140	2018-08-10 03:00:00	2018-08-10 09:00:00	6	14046.1	2809.2	50.0	16853.8	15168.5	1685.4	0.0
1310	0184-0169_1	2018	2018	141	2018-08-11 04:00:00	2018-08-11 10:00:00	6	14149.0	2829.8	50.4	16977.3	15279.6	1697.7	0.0
1311	0184-0170_1	2018	2018	142	2018-08-12 05:00:00	2018-08-12 11:00:00	6	14251.9	2850.4	50.8	17100.8	15390.7	1710.1	0.0
1312	0184-0171_1	2018	2018	143	2018-08-13 06:00:00	2018-08-13 12:00:00	6	14354.8	2870.9	51.1	17224.2	15501.8	1722.4	0.0
1313	0184-0172_1	2018	2018	144	2018-08-14 07:00:00	2018-08-14 13:00:00	6	14457.7	2891.5	51.5	17347.7	15613.



3686	6384/3825_2	3318	3535	2	2018-07-04 03:00:00	2018-07-31 21:00:00	4	34.0	19.6	0.1	641.4	0.0	40.1	0.0	
3687	6384/3825_3	3318	3535	3	2018-07-04 07:00:00	2018-07-31 14:00:00	10	167.8	108.9	1.1	1064.8	643.3	66.7	0.0	
3688	6384/3825_4	3318	3535	4	2018-07-04 09:00:00	2018-07-31 21:00:00	1	18.7	14.7	0.0	638.2	0.0	39.9	0.0	
3689	6384/3825_5	3318	3535	5	2018-07-04 04:00:00	2018-07-31 16:00:00	9	174.3	109.5	1.1	1118.0	739.4	57.1	0.0	
3690	6384/3826_1	3318	3535	1	2018-07-07 01:00:00	2018-07-28 14:00:00	15	317.7	153.9	7.4	881.3	640.4	85.4	184.9	
3691	6384/3826_2	3318	3535	2	2018-07-04 03:00:00	2018-07-04 17:00:00	14	193.9	164.7	2.7	914.0	424.1	141.7	164.4	
3692	6384/3826_3	3318	3535	3	2018-07-05 02:00:00	2018-07-05 13:00:00	11	181.9	168.1	2.7	738.1	647.7	61.0	168.4	
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3694	6384/3826_5	3318	3535	5	2018-07-06 04:00:00	2018-07-28 14:00:00	7	121.1	1.9.3	1.0	681.6	284.1	36.1	41.3	
3695	6384/3827_1	3318	3535	1	2018-07-06 13:00:00	2018-07-06 13:00:00	1	18.0	18.0	0.0	860.3	753.3	24.7	53.0	
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3697	6385/3828_1	3318	3535	1	2018-07-07 01:00:00	2018-07-07 21:00:00	1	0.0	0.0	0.0	712.0	0.0	156.1	0.0	
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3700	6386/3829_3	3318	3535	3	2018-07-08 04:00:00	2018-07-08 14:00:00	7	94.0	44.8	0.1	764.5	0.0	176.7	0.0	
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3705	6386/3830_3	3318	3535	3	2018-07-11 01:00:00	2018-07-11 14:00:00	11	194.1	158.1	2.2	997.1	810.4	24.4	199.9	
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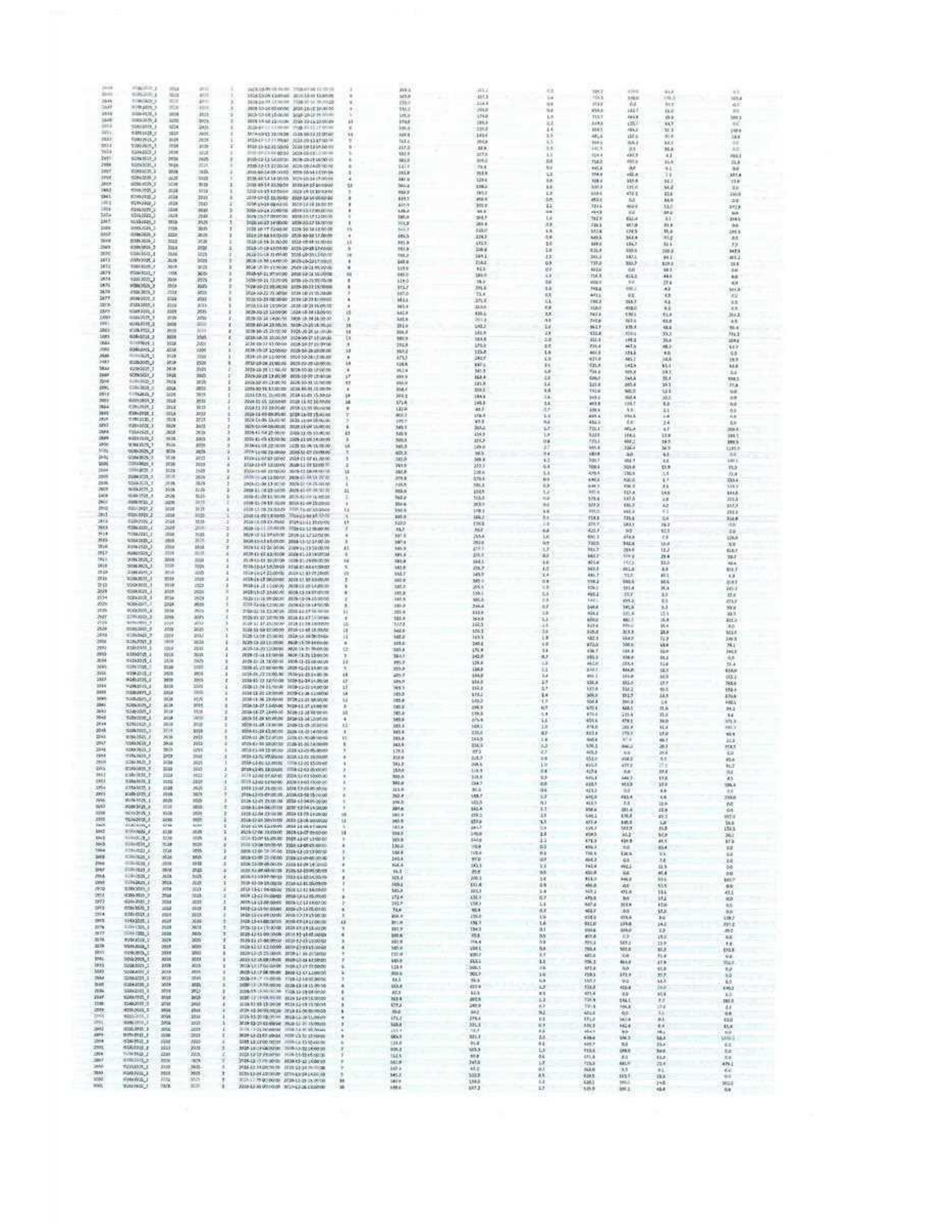
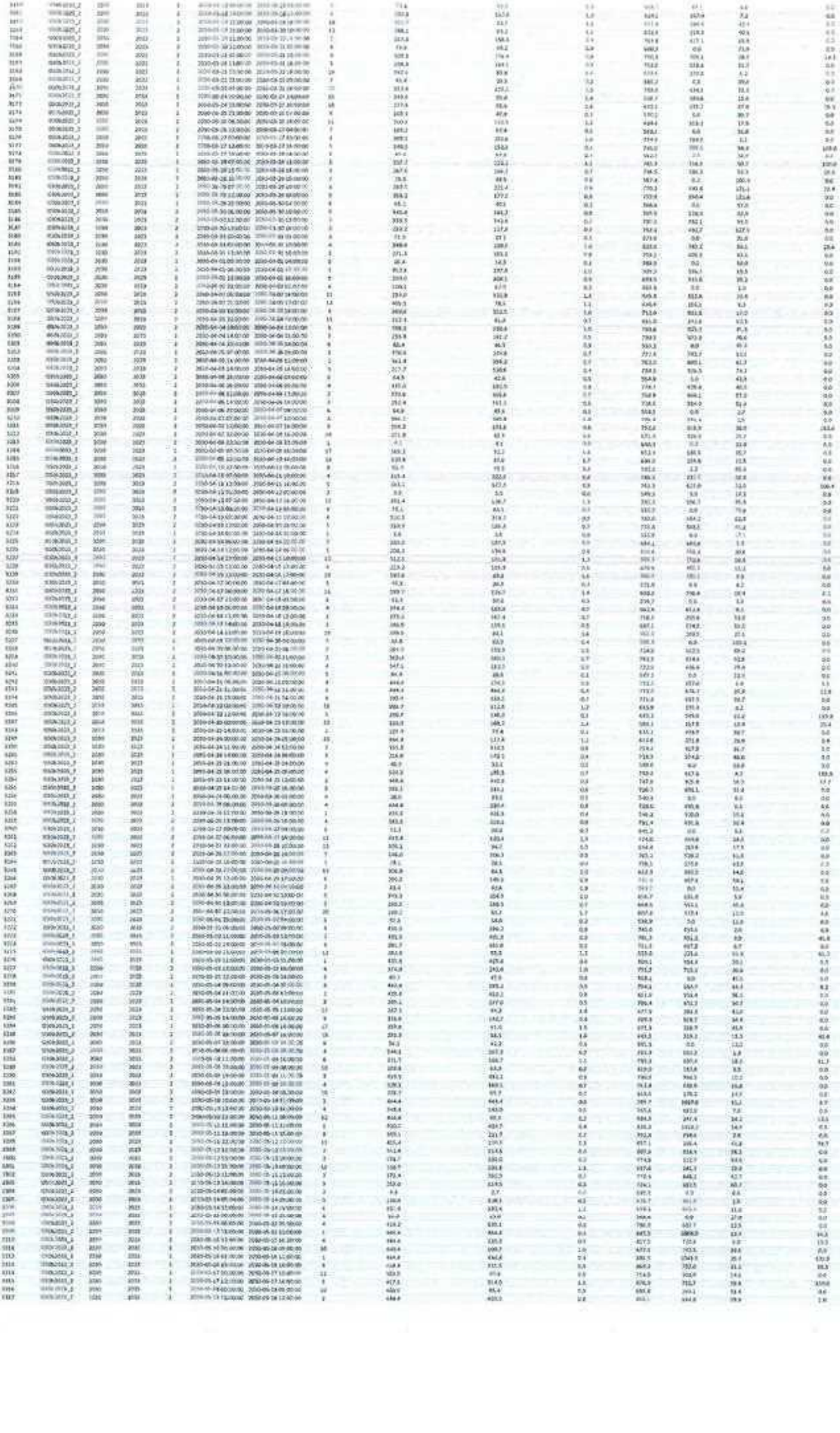
3707	6386/3832_1	3318	3535	1	2018-07-13 12:00:00	2018-07-13 17:00:00	4	30.0	24.3	1.5	931.8	838.2	57.3	660.6	
3708	6386/3833_1	3318	3535	1	2018-07-14 09:00:00	2018-07-14 14:00:00	5	101.0	101.0	1.5	1090.3	740.5	47.8	0.0	
3709	6386/3834_1	3318	3535	1	2018-07-15 08:00:00	2018-07-15 14:00:00	6	111.0	101.4	1.7	1160.4	796.2	65.1	45.1	
3710	6386/3835_1	3318	3535	1	2018-07-16 06:00:00	2018-07-16 16:00:00	8	164.1	109.4	1.7	1110.3	867.6	46.1	0.0	
3711	6386/3836_1	3318	3535	1	2018-07-17 09:00:00	2018-07-17 18:00:00	8	108.4	108.4	1.7	1161.3	888.3	41.9	0.0	
3712	6386/3837_1	3318	3535	1	2018-07-18 09:00:00	2018-07-18 18:00:00	9	101.0	101.0	1.8	1160.5	780.5	45.6	0.0	
3713	6386/3838_1	3318	3535	1	2018-07-19 07:00:00	2018-07-19 13:00:00	6	104.0	104.7	1.3	917.0	606.4	17.2	0.0	
3714	6386/3839_1	3318	3535	1	2018-07-19 14:00:00	2018-07-19 16:00:00	2	49.0	18.0	0.4	1067.8	752.8	114.5	0.0	
3715	6386/3840_1	3318	3535	1	2018-07-20 07:00:00	2018-07-20 12:00:00	5	101.0	21.3	1.3	884.1	761.4	13.3	118.2	
3716	6386/3841_1	3318	3535	1	2018-07-20 14:00:00	2018-07-21 10:00:00	3	70.0	21.3	0.8	1131.4	736.4	93.1	8.5	
3717	6386/3842_1	3318	3535	1	2018-07-21 09:00:00	2018-07-21 13:00:00	7	109.8	101.8	1.4	1101.6	831.3	37.5	0.0	
3718	6386/3843_1	3318	3535	1	2018-07-21 09:00:00	2018-07-21 13:00:00	7	105.0	101.0	1.3	1173.1	876.3	17.0	0.0	
3719	6386/3844_1	3318	3535	1	2018-07-22 04:00:00	2018-07-22 13:00:00	3	40.6	40.5	0.0	788.3	0.0	143.4	0.0	
3720	6386/3845_1	3318	3535	1	2018-07-23 10:00:00	2018-07-23 19:00:00	9	113.0	102.3	1.3	1271.9	765.1	61.6	0.0	
3721	6386/3846_1	3318	3535	1	2018-07-24 09:00:00	2018-07-24 15:00:00	7	103.0	104.7	1.3	1162.4	817.3	48.5	0.0	
3722	6386/3847_1	3318	3535	1	2018-07-25 09:00:00	2018-07-25 13:00:00	7	109.7	101.3	1.1	1119.7	831.8	22.9	0.0	
3723	6386/3848_1	3318	3535	1	2018-07-26 07:00:00	2018-07-26 15:00:00	9	108.1	101.4	1.6	1190.1	741.1	17.0	0.0	
3724	6386/3849_1	3318	3535	1	2018-07-27 07:00:00	2018-07-27 14:00:00	8	104.1	104.1	1.4	1112.7	767.9	31.0	0.0	
3725	6386/3850_1	3318	3535	1	2018-07-28 09:00:00	2018-07-28 13:00:00	7	103.7	101.0	1.0	1148.0	821.4	49.0	0.0	
3726	6387/3851_1	3318	3535	1	2018-07-29 09:00:00	2018-07-29 13:00:00	7	104.1	101.2	1.1	1142.5	811.5	44.0	0.0	
3727	6388/3852_1	3318	3535	1	2018-07-30 07:00:00	2018-07-30 16:00:00	8	105.5	102.7	1.8	1180.1	761.1	35.1	0.0	
3728	6388/3853_1	3318	3535	1	2018-07-31 09:00:00	2018-07-31 13:00:00	6	104.7	101.7	1.5	1229.1	799.1	40.1	0.0	
3729	6388/3854_1	3318	3535	1	2018-07-01 09:00:00	2018-08-01 16:00:00	9	110.6	107.5	1.2	1169.4	713.3	40.8	0.0	
3730	6388/3855_1	3318	3535	1	2018-08-01 12:00:00	2018-08-02 16:00:00	10	167.6	114.4	3.1	1042.0	699.1	61.2	245.2	
3731	6388/3855_2	3318	3535	2	2018-08-01 16:00:00	2018-08-03 17:00:00	12	165.9	104.5	3.2	984.3	672.4	35.0	711.6	
3732	6388/3855_3	3318	3535	3	2018-08-04 08:00:00	2018-08-04 16:00:00	9	154.5	114.8	1.9	1123.8	697.6	51.4	120.4	
3733	6388/3855_4	3318	3535	4	2018-08-05 18:00:00	2018-08-05 19:00:00	5	110.7	107.1	1.0	1151.4	700.2	66.8	67.4	
3734	6388/3855_5	3318	3535	5	2018-08-06 04:00:00	2018-08-06 14:00:00	9	104.5	101.9	1.9	1198.1	714.6	80.1	0.0	
3735	6388/3855_6	3318	3535	6	2018-08-07 06:00:00	2018-08-07 16:00:00	9	101.5	100.0	1.9	1184.3	722.0	93.5	114.1	
3736	6388/3855_7	3318	3535	7	2018-08-08 08:00:00	2018-08-08 14:00:00	6	100.4	100.3	1.4	1195.7	767.4	17.7	0.0	
3737	6388/3855_8	3318	3535	8	2018-08-09 03:00:00	2018-08-09 15:00:00	9	107.9	104.8	1.8	1071.1	657.8	18.4	0.0	
3738	6388/3855_9	3318	3535	9	2018-08-10 06:00:00	2018-08-10 15:00:00	8	103.0	101.9	1.6	1193.3	981.4	6.5	0.0	
3739	6388/3855_10	3318	3535	10	2018-08-11 06:00:00	2018-08-11 15:00:00	9	101.4	101.7	1.5	1222.4	754.4	26.4	0.0	
3740	6388/3855_11	3318	3535	11	2018-08-12 06:00:00	2018-08-12 19:00:00	8	105.4	103.4	1.7	1264.7	719.3	22.2	0.0	
3741	6388/3855_12	3318	3535	12	2018-08-13 08:00:00	2018-08-13 14:00:00	7	101.8	101.8	1.8	1211.8	798.0	13.0	0.0	
3742	6388/3855_13	3318	3535	13	2018-08-14 09:00:00	2018-08-14 14:00:00	6	104.4	103.8	1.0	1245.3	774.3	11.6	0.0	
3743	6388/3855_14	3318	3535	14	2018-08-15 04:00:00	2018-08-15 13:00:00	9	104.1	104.1	1.2	809.7	525.0	109.6	0.0	
3744	6388/3855_15	3318	3535	15	2018-08-15 15:00:00	2018-08-15 17:00:00	3	102.0	101.3	1.1	1103.3	691.4	101.7	45.8	
3745	6388/3855_16	3318	3535	16	2018-08-16 07:00:00	2018-08-16 12:00:00	6	106.0	104.8	1.2	923.5	597.3	12.6	148.3	
3746	6388/3855_17	3318	3535	17	2018-08-16 14:00:00	2018-08-16 17:00:00	4	101.0	101.0	0.8	1277.6	808.3	62.5	8.7	
3747	6389/3855_1	3318	3535	2	2018-08-17 07:00:00	2018-08-17 17:00:00	11	168.0	111.1	1.3	991.1	660.1	54.7	408.6	
3748	6389/3855_2	3318	3535	2	2018-08-18 01:00:00	2018-08-18 05:00:00	1	3.0	3.0	0.0	981.4	0.0	58.8	0.0	
3749	6389/3855_3	3318	3535	3	2018-08-18 08:00:00	2018-08-18 13:00:00	5	104.0	101.9	1.1	1108.5	672.5	35.8	150.2	
3750	6389/3855_4	3318	3535	4	2018-08-18 14:00:00	2018-08-18 17:00:00	4	102.0	102.0	0.8	1112.8	618.4	150.1	0.0	
3751	6389/3855_5	3318	3535	5	2018-08-19 04:00:00	2018-08-19 04:00:00	1	0.0	0.0	0.0	926.5	0.0	39.0	0.0	
3752	6389/3855_6	3318	3535	6	2018-08-19 07:00:00	2018-08-19 12:00:00	6	105.0	104.7	1.4	985.8	659.8	42.7	44.8	
3753	6389/3855_7	3318	3535	7	2018-08-19 14:00:00	2018-08-19 17:00:00	4	104.0	104.0	0.8	1101.7	615.8	154.8	0.0	
3754	6389/3855_8	3318	3535	8	2018-08-20 07:00:00	2018-08-20 12:00:00	5	103.0	71.1.2	1.1	948.5	662.5	5.3	0.0	
3755	6389/3855_9	3318	3535	9	2018-08-20 13:00:00	2018-08-20 16:00:00	4	103.0	103.7	1.1	1119.0	760.7	71.0	17.8	
3756	6389/3855_10	3318	3535	10	2018-08-21 08:00:00	2018-08-21 13:00:00	6	102.5	101.8	1.0	1098.4	725.1	13.6	12.9	
3757	6389/3855_11	3318	3535	11	2018-08-22 09:00:00	2018-08-22 15:00:00	8	103.0	104.4	1.3	1107.7	798.2	18.0	0.0	
3758	6389/3855_12	3318	3535	12	2018-08-22 07:00:00	2018-08-23 14:00:00	10	107.0	101.7	1.0	1107.3	648.4	32.9	296.5	
3759	6389/3855_13	3318	3535	13	2018-08-24 07:00:00	2018-08-24 13:00:00	7	104.0	104.0	1.4	961.3	753.3	12.0	109.5	
3760	6389/3855_14	3318	3535	14	2018-08-25 09:00:00	2018-08-25 13:00:00	5	104.0	104.0	1.1	1109.4	701.8	106.7	0.0	
3761	6389/3855_15	3318	3535	15	2018-08-26 14:00:00	2018-08-26 17:00:00	4	104.0	104.0	0.8	1111.7	815.4	151.8	0.0	
3762	6389/3855_16	3318	3535	16	2018-08-27 07:00:00	2018-08-27 12:00:00	5	104.0	104.0	1.1	1141.8	788.2	35.0	0.0	
3763	6389/3855_17	3318	3535	17	2018-08-28 07:00:00	2018-08-28 13:00:00	7	104.0	104.0	1.4	1131.2	799.2	48.7	0.0	
3764	6389/3855_18	3318	3535	18	2018-08-29 09:00:00	2018-08-29 13:00:00	6	104.0	104.0	1.4	1134.7	726.4	61.1	0.0	
3765	6389/3855_19	3318	3535	19	2018-08-30 07:00:00	2018-08-30 10:00:00	6	104.5	104.0	1.9	1142.9	696.5	55.8	0.0	
3766	6389/3855_20	3318	3535	20	2018-08-31 07:00:00	2018-08-31 16:00:00	10	164.6	101.3	2.0	1140.8	615.7	48.2	287.1	
3767	6389/3855_21	3318	3535	21	2018-09-01 07:00:00	2018-09-01 10:00:00	4	105.3	104.4	0.9	980.3	667.5	0.0	0.0	
3768	6389/3855_22	3318	3535	22	2018-09-01 13:00:00	2018-09-01 17:00:00	5	103.0	101.4	1.4	980.3	670.0	65.4	537.0	
3769	6389/3855_23	3318	3535	23	2018-09-02 11:00:00	2018-09-02 17:00:00	10	161.0	101.1	1.8	1091.0	721.8	61.2	189.1	
3770	6389/3855_24	3318	3535	24	2018-09-03 11:00:00	2018-09-04 11:00:00	1	101.0	101.0	0.4	912.8	705.8	39.8	115.8	
3771	6389/3855_25	3318	3535	25	2018-09-05 15:00:00	2018-09-11 17:00:00	3	101.0	104.9	0.8	980.1	499.4	146.5	54.7	
3772	6389/3855_26	3318	3535	26	2018-09-06 03:00:00	2018-09-06 04:00:00	1	19.0	18.0	0.0	912.0	0.0	8.2	0.0	
3773	6389/3855_27	3318	3535	27	2018-09-06 07:00:00	2018-09-06 13:00:00	10	103.7	101.6	2.0	1090.9	866.2	48.5	198.6	
3774	6389/3855_28	3318	3535	28	2018-09-01 09:00:00	2018-09-01 12:00:00	3	26.2	25.8	0.1	933.5	0.0	128.7	0.0	
3775	6389/3855_29	3318	3535	29	2018-09-02 04:00:00	2018-09-02 15:00:00	9	101.0	102.0	1.9	1150.1	781.0	41.0	124.4	
3776	6389/3855_30	3318	3535	30	2018-09-03 09:00:00	2018-09-03 13:00:00	7	101.0	104.4	1.9	1140.2	794.1	41.0	0.0	
3777	6389/3855_31	3318	3535	31	2018-09-04 09:00:00	2018-09-04 13:00:00	6	109.1	107.1	1.5	1147.0	808.1	12.8	0.0	
3778	6389/3855_32	3318	3535	32	2018-09-05 08:00:00	2018-09-05 19:00:00	8	29.0	152.1	1.6	1137.2	848.2	32.8	0.0	
3779	6389/3855_33	3318	3535	33	2018-09-06 03:00:00	2018-09-06 13:00:00	4	36.6	24.9	0.1	840.6	0.0	68.9	0.0	
3780	6389/3855_34	3318	3535	34	2018-09-06 07:00:00	2018-09-06 14:00:00	10	114.7	112.4	2.3	1164.4	856.5	35.2	276.2	
3781	6389/3855_35	3318	3535	35	2018-09-07 04:00:00	2018-09-07 13:00:00	10	101.0	101.4	1.9	1104.1	767.1	11.4	100.4	
3782	6389/3855_36	3318	3535	36	2018-09-07 14:00:00	2018-09-07 17:00:00	4	101.0	101.2	0.7	1151.0	695.8	62.8	8.6	
3783	6389/3855_37	3318	3535	37	2018-09-08 05:00:00	2018-09-08 13:00:00	3	13.4	13.0	0.0	1104.0	0.0	7.3	0.0	
3784	6389/3855_38	3318	3535	38	2018-09-08 04:00:00	2018-09-08 14:00:00	9	102.0	101.0	1.9	1030.7	702.6	54.1	0.0	
3785	6389/3855_39	3318	3535	39	2018-09-09 04:00:00	2018-09-09 13:00:00	7	13.0	13.0	0.0	980.8	0.0	0.0	0.0	
3786	6389/3855_40	3318	3535	40	2018-09-09 06:00:00	2018-09-09 14:00:00	8	101.0	100.1	1.7	1041.1	668.4	39.8	0.0	
3787	6389/3855_41	3318	3535	41	2018-09-10 01:00:00	2018-09-10 04:00:00	3	41.0	34.1	0.1	964.0	0.0	67.6	0.0	
3788	6389/3855_42	3318	3535	42	2018-09-10 07:00:00	2018-09-10 17:00:00	10	161.0	105.4	2.0	1053.3	686.8	31.4	0.0	
3789	6389/3855_43	3318	3535	43	2018-09-10 10:00:00	2018-09-11 11:00:00	14	164.7	101.1	2.6	1100.6	726.5	68.8	0.0	
3790	6389/3855_44	3318	3535	44	2018-09-11 06:00:00	2018-09-11 17:00:00	5	73.3	44.2	0.2	809.7	0.0	58.8	0.0	
3791	6389/3855_45	3318	3535	45	2018-09-11 07:00:00	2018-09-11 12:00:00	10	168.1	101.5	1.9	1032.9	721.1	19.8	0.0	
3792	6389/3855_46	3318	3535	46	2018-09-12 03:00:00	2018-09-12 12:00:00	10	168.7	118.0	1.3	705.9	240.1	5.7	10.1	
3793	6389/3855_47	3318	3535	47	2018-09-13 13:00:00	2018-09-13 17:00:00	4	101.0	101.4	1.1	1041.5	865.2	46.8	0.0	
3794	6389/3855_48	3318	3535	48	2018-09-14 08:00:00	2018-09-14 12:00:00	7	101.0	101.0	1.0	1091.7	744.8	4.7	19.8	
3795	6389/3855_49	3318	3535	49	2018-09-14 12:00:00	2018-09-14 15:00:00	3	101.0	101.0	1.7	1104.7	834.8	14.0	193.8	
3796	6389/3855_50	3318	3535	50	2018-09-15 05:00:00	2018-09-15 05:00:00	1	0.0	0.0	0.1	606.7	0.0	8.3	0.0	
3797	6389/3855_51	3318	3535	51	2018-09-15 08:00:00	2018-09-15 13:00:00	6	101.0	104.0	1.8	1090.4	661.8	70.4	0.0	
3798	6389/3855_52	3318	3535	52	2018-09-16 01:00:00	2018-09-16 05:00:00	3	36.0	0.0	0.1	808.1	0.0	19.8	0.0	
3799	6389/3855_53	3318	3535	53	2018-09-16 06:00:00	2018-09-16 13:00:00	7	101.0	101.0	0.8	1064.4	641.1	72.4	0.0	
3800	6389/3855_54	3318	3535	54	2018-09-17 06:00:00	2018-09-17 14:00:00	8	101.0	101.0	1.4	1079.0	648.2	93.1	13.1	
3801	6389/3855_55	3318	3535	55	2018-09-18 04:00:00	2018-09-18 09:00:00	5	0.0	0.0	0.0	0.0.0	0.0	11.9	0.0	
3802	6389/3855_56	3318	3535	56	2018-09-18 06:00:00	2018-09-18 18:00:00	9	107.0	100.5	1.8	1060.9	661.4	18.1	18.4	
3803	6389/3855_57	3318	3535	57	2018-09-19 03:00:00	2018-09-19 13:00:00	11	165.0	120.4	2.7	717.3	540.4	110.8	3.5	
3804	6389/3855_58	3318	3535	58	2018-09-19 12:00:00	2018-09-19 13:00:00	2	105.0	105.0	0.7	1048.3	691.3	46.8	101.1	
3805	6389/3855_59	3318	3535	59	2018-09-19 17:00:00	2018-09-19 17:00:00	1	101.0	101.0	0.3	1100.4	670.8	175.8	5.4	
3806	6389/3855_60	3318	3535	60	2018-09-20 13:00:00	2018-09-20 13:00:00	14	109.0	108.3	3.5	1091.1	736.1	93.3	48.7	
3807	6389/3855_61	3318	3535	61	2018-09-20 17:00:00	2018-09-20 17:00:00	1	101.0	101.0	0.2	1044.8	734.8	46.1	76.8	
3808	6389/3855_62	3318	3535	62	2018-09-20 14:00:00	2018-09-20 17:00:00	4	101.0	101.1	1.1	955.6	659.8	61.0	48.1	
3809	6389/3855_63	3318	3535	63	2018-09-20 13:00:00	2018-09-21 17:00:00	20	165.7	107.1	3.5	977.3	732.0	89.4	917.3	
3810	6389/3855_64	3318	3535	64	2018-09-21 10:00:00	2018-09-22 00:00:00	1	14.0	27.7	0.7	934.6	0.0	110.5	0.0	
3811	6389/3855_65	3318	3535	65	2018-09-22 09:00:00	2018-09-22 13:00:00	2	101.0	101.0	2.1	936.4	577.8	80.6	101.8	
3812	6389/3855_66	3318	3535	66	2018-09-23 05:00:00	2018-09-23 17:00:00	3	105.0	74.1	0.4	1013.5	0.0	16.0	0.0	
3813	6389/3855_67	3318	3535	67	2018-09-23 07:00:00	2018-09-23 13:00:00	3	101.0	104.0	1.1	667.3	516.3	8.8	0.0	
3814	6389/3855_68	3318	3535	68	2018-09-23 13:00:00	2018-09-24 17:00:00	4	104.0	107.3	0.9	1034.8	643.7	55.1	65.2	
3815	6389/3855_69	3318	3535	69	2018-09-24 11:00:00	2018-09-24 17:00:00	11	164.0	103.1	1.8	704.1	395.5	45.9	0.0	
3816	6389/3855_70	3318	3535	70	2018-09-24 11:00:00	2018-09-24 17:00:00	11	165.0	107.0	1.8	1170.5	811.7	84.8	170.5	
3817	6389/3855_71	3318	3535	71	2018-09-25 13:00:00	2018-09-25 18:00:00	11	161.0	121.4	2.7	699.1	1.0.0	148.5	0.0	
3818	6389/3855_72	3318	3535	72	2018-09-25 12:00:00	2018-09-25 18:00:00	5	101.0	104.4	1.9	1113.9	740.0	107.1	109.9	
3819	6389/3855_73	3318	3535	73	2018-09-26 00:00:00	2018-09-26 02:00:00	4	21.0	0.0	0.4	0.0.1	0.0	10.9	0.0	
3820	6389/3855_74	3318	3535	74	2018-09-26 07:00:00	2018-09-26 18:00:00	10	167.1	107.0	1.9	1112.7	721.7	34.1	272.3	
3821	6389/3855_75	3318	3535	75	2018-09-27 00:00:00	2018-09-27 18:00:00	17	165.0	104.4	1.9	720.4	477.2	39.1	629.7	
3822	6389/3855_76	3318	3535	76	2018-09-28 03:00:00	2018-09-28 13:00:00	10	161.0	104.4	1.8	1126.4	765.0	7.0	520.1	
3823	6389/3855_77	3318	3535	77	2018-09-28 13:00:00	2018-09-28 17:00:00	3	101.0	101.4	0.8	709.2	341.0	63.9	0.0	
3824	6389/3855_78	3318	3535	78	2018-09-28 23:00:00	2018-09-29 13:00:00	14	161.0	104.3	2.1	674.1	309.4	64.7	254.4	
3825	6389/3855_79	3318	3535	79	2018-09-29 14:00:00	2018-09-29 17:00:00	3	101.0	101.4	0.8	1020.1	550.4	63.5	8.8	
3826	6389/3855_80	3318	3535	80	2018-09-30 13:00:00	2018-09-30 14:00:00	11	101.0	101.0	1.8	915.5	579.4	40.0	72.3	
3827	6389/3855_81	3318	3535	81	2018-09-30 13:00:00	2018-09-30 17:00:00	3	101.0	101.0	1.1	925.6	415.1	105.7	101.8	
3828	6389/3855_82	3318	3535	82	2018-10-01 05:00:00	2018-10-01 05:00:00	1	101.0	101.0	0.2	947.5	0.0	104.6	0.0	
3829	6389/3855_83	3318	3535	83	2018-10-01 09:00:00	2018-10-01 18:00:00	10	101.0	101.0	1.7	1.0.1.1	661.1	36.8	108.5	
3830	6389/3855_84	3318	3535	84	2018-10-01 09:00:00	2018-10-01 13:00:00	6	101.0	101.0	0.5	1114.5	0.0	62.2	0.0	
3831	6389/3855_85	3318	3535	85	2018-10-02 03:00:00	2018-10-02 16:00:00	9	101.7	101.0	1.8	913.0	567.1	42.4	60.8	
3832	6389/3855_86	3318	3535	86	2018-10-02 09:00:00	2018-10-02 13:00:00	6	45



0001	9186-0001_1	2015	2020	3	2018-12-27 08:00:00	2023-12-27 16:00:00	17	379.8	131.2	3.3	384.1	156.9	54.0	0.0
0002	9186-0002_1	2016	2025	2	2020-12-27 23:00:00	2023-12-28 16:00:00	17	306.9	131.0	1.1	345.3	173.3	30.0	15.6
0004	9186-0004_1	2018	2025	2	2018-12-28 08:00:00	2023-12-27 07:00:00	6	845.0	307.9	0.8	873.7	0.0	91.2	0.0
0005	9186-0005_1	2018	2025	2	2018-12-28 08:00:00	2023-12-28 16:00:00	7	325.5	884.1	1.8	753.1	406.8	69.1	76.9
0006	9186-0006_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0007	9186-0007_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0008	9186-0008_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0009	9186-0009_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0010	9186-0010_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0011	9186-0011_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0012	9186-0012_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0013	9186-0013_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0014	9186-0014_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0015	9186-0015_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0016	9186-0016_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0017	9186-0017_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0018	9186-0018_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0019	9186-0019_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0020	9186-0020_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0021	9186-0021_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0022	9186-0022_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0023	9186-0023_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0024	9186-0024_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0025	9186-0025_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0026	9186-0026_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0027	9186-0027_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0028	9186-0028_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0029	9186-0029_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0030	9186-0030_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0031	9186-0031_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0032	9186-0032_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0033	9186-0033_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0034	9186-0034_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0035	9186-0035_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0036	9186-0036_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0037	9186-0037_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0038	9186-0038_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0039	9186-0039_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0040	9186-0040_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0041	9186-0041_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0042	9186-0042_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0043	9186-0043_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0044	9186-0044_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0045	9186-0045_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0046	9186-0046_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0047	9186-0047_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0048	9186-0048_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0049	9186-0049_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0050	9186-0050_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0051	9186-0051_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0052	9186-0052_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0053	9186-0053_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0054	9186-0054_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0055	9186-0055_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0056	9186-0056_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0057	9186-0057_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0058	9186-0058_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0059	9186-0059_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0060	9186-0060_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0061	9186-0061_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0062	9186-0062_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0063	9186-0063_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0064	9186-0064_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0065	9186-0065_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0066	9186-0066_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0067	9186-0067_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0068	9186-0068_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0069	9186-0069_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0070	9186-0070_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0071	9186-0071_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0072	9186-0072_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0073	9186-0073_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0074	9186-0074_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0075	9186-0075_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0076	9186-0076_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0077	9186-0077_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0078	9186-0078_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0079	9186-0079_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0080	9186-0080_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0081	9186-0081_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0082	9186-0082_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0083	9186-0083_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0084	9186-0084_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0085	9186-0085_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0086	9186-0086_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0087	9186-0087_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0088	9186-0088_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0089	9186-0089_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0090	9186-0090_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0091	9186-0091_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0092	9186-0092_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0093	9186-0093_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0094	9186-0094_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0095	9186-0095_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0096	9186-0096_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0097	9186-0097_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0098	9186-0098_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0099	9186-0099_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0100	9186-0100_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0101	9186-0101_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0102	9186-0102_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0103	9186-0103_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0104	9186-0104_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0105	9186-0105_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0106	9186-0106_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0107	9186-0107_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0108	9186-0108_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0109	9186-0109_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0110	9186-0110_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0111	9186-0111_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0112	9186-0112_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0113	9186-0113_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0114	9186-0114_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0115	9186-0115_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0116	9186-0116_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0117	9186-0117_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0118	9186-0118_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0119	9186-0119_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0120	9186-0120_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0121	9186-0121_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0122	9186-0122_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0123	9186-0123_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0124	9186-0124_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0125	9186-0125_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0126	9186-0126_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0127	9186-0127_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0128	9186-0128_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0129	9186-0129_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0130	9186-0130_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0131	9186-0131_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0132	9186-0132_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0133	9186-0133_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0134	9186-0134_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0135	9186-0135_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0136	9186-0136_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0137	9186-0137_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0138	9186-0138_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0139	9186-0139_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0140	9186-0140_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0141	9186-0141_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0142	9186-0142_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0143	9186-0143_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0144	9186-0144_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0145	9186-0145_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0146	9186-0146_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0147	9186-0147_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0148	9186-0148_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0149	9186-0149_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9	0.0
0150	9186-0150_1	2016	2025	2	2020-12-28 16:00:00	2023-12-28 16:00:00	5	77.4	96.3	0.3	107.1	0.0	1.9



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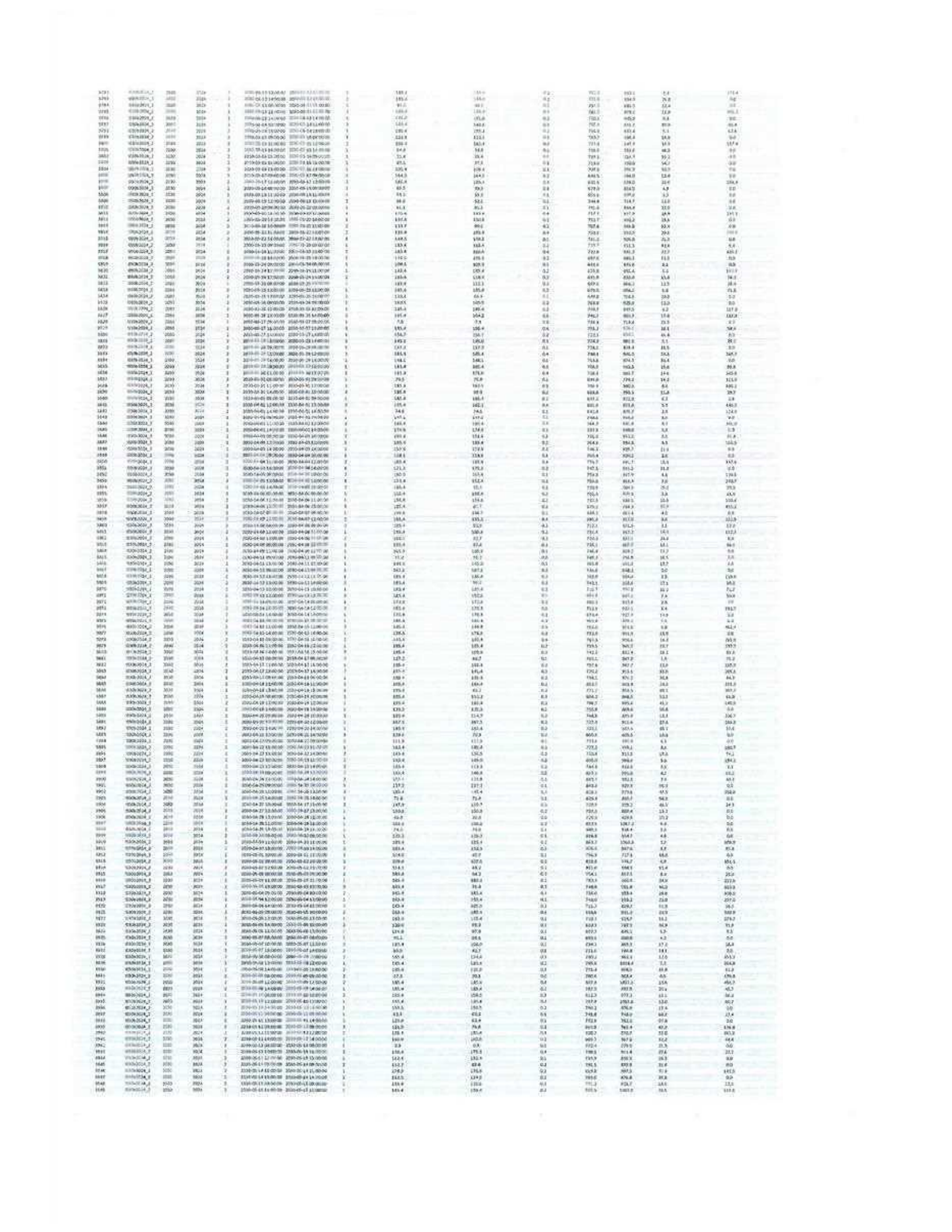
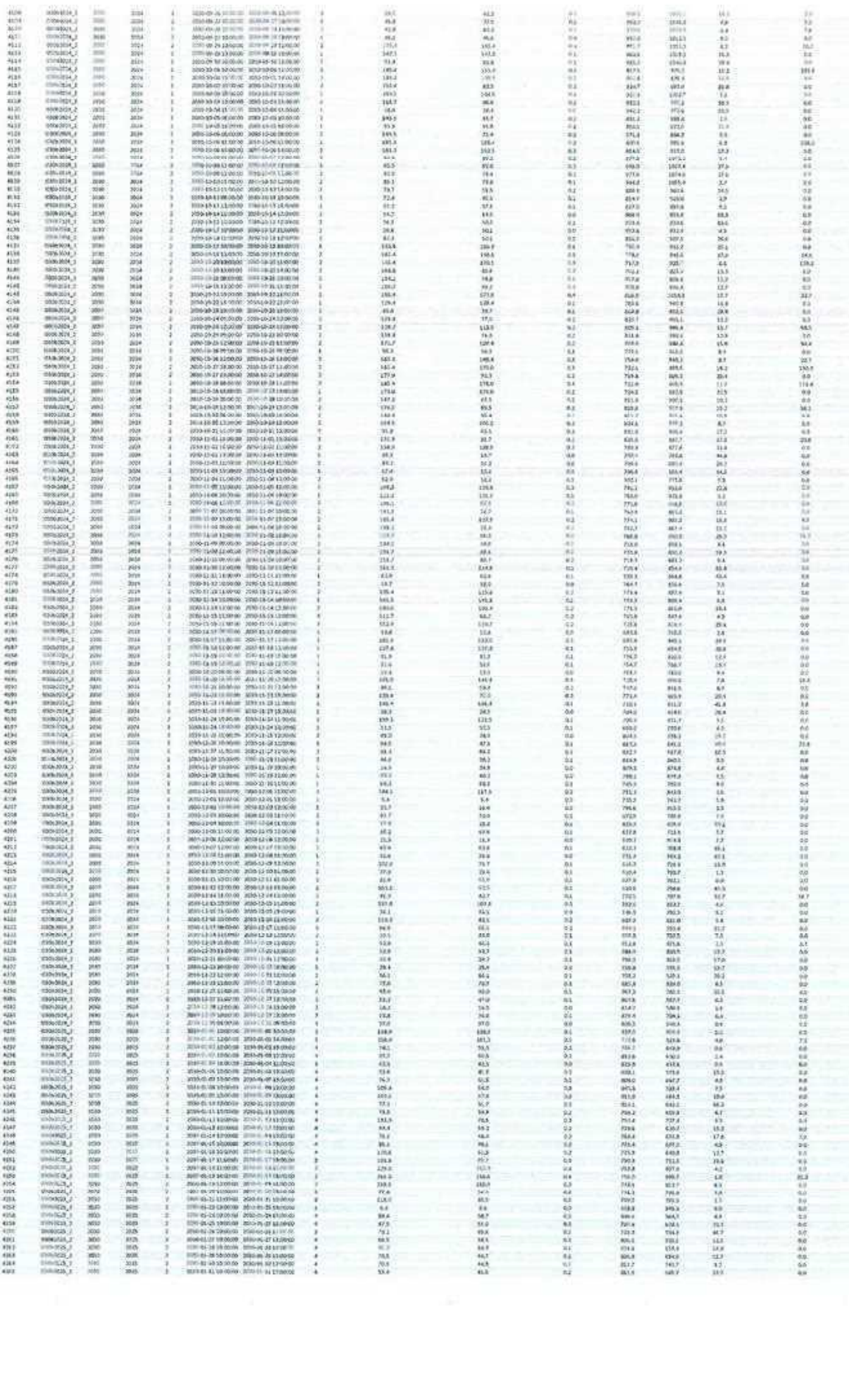
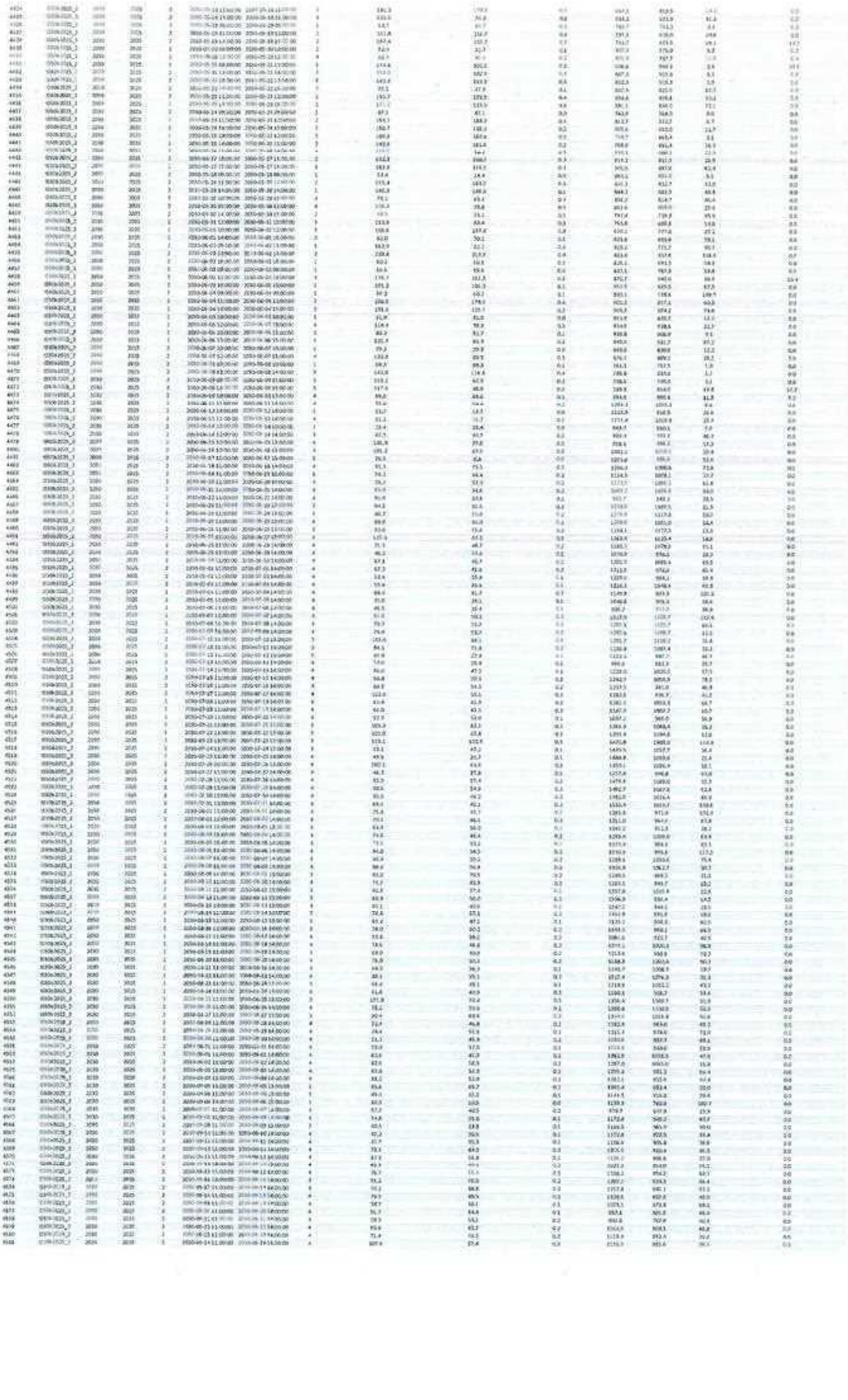
3624	0309-3823_1	3800	3823	1	2020-11-18 09:00:00	2020-11-18 10:00:00	1	204.6	197.5	1.1	798.0	935.8	20.4	196.0
3691	0309-3849_1	3800	3823	1	2020-11-14 12:00:00	2020-11-14 22:00:00	1	1.5	0.9	4324.4	0.0	1294.1	0.0	0.0
3694	0309-3919_1	3800	3823	1	2020-11-17 10:00:00	2020-11-18 10:00:00	18	203.0	141.3	1.4	438.4	614.0	83.0	0.0
3697	0309-3810_1	3850	3721	1	2020-11-15 15:00:00	2020-11-15 22:00:00	1	35.2	18.4	0.5	553.6	0.0	19.7	0.0
3698	0309-3831_1	3885	3921	1	2020-11-20 07:00:00	2020-11-20 14:00:00	1	204.2	134.5	1.5	781.3	431.0	72.1	171.0
3699	0309-3832_1	3895	3921	1	2020-11-20 21:00:00	2020-11-21 10:00:00	1	24.0	43.2	0.5	536.0	0.0	12.0	0.0
3640	0309-3833_1	3850	3721	1	2020-11-21 20:00:00	2020-11-21 14:00:00	1	24.0	19.4	1.2	745.3	670.0	1.5	0.0
3641	0309-3813_1	3895	3921	1	2020-11-21 23:00:00	2020-11-22 03:00:00	15	233.2	102.8	1.5	550.4	273.2	48.4	0.0
3642	0309-3812_1	3850	3721	1	2020-11-22 20:00:00	2020-11-22 23:00:00	1	24.5	26.0	0.5	607.3	0.0	25.0	0.0
3643	0309-3828_1	3880	3921	1	2020-11-23 09:00:00	2020-11-23 14:00:00	1	240.5	140.4	1.2	749.8	980.3	19.2	0.0
3644	0309-3829_1	3880	3921	1	2020-11-23 12:00:00	2020-11-24 10:00:00	7	73.8	51.1	0.4	536.7	0.0	2.3	0.0
3645	0309-3830_1	3880	3921	1	2020-11-24 07:00:00	2020-11-24 14:00:00	1	230.2	151.3	1.1	727.0	644.7	1.9	264.4
3646	0309-3819_1	3880	3921	1	2020-11-24 17:00:00	2020-11-25 19:00:00	1	149.3	72.1	0.8	551.6	0.0	41.0	0.0
3647	0309-3820_1	3880	3921	1	2020-11-25 08:00:00	2020-11-25 10:00:00	1	157.5	88.2	0.4	109.9	287.0	10.4	0.0
3648	0309-3826_1	3880	3921	1	2020-11-25 13:00:00	2020-11-26 15:00:00	18	201.6	88.7	1.8	672.8	154.5	83.2	0.0
3649	0309-3822_1	3880	3921	1	2020-11-26 21:00:00	2020-11-27 14:00:00	18	197.0	81.4	1.8	698.3	281.0	75.8	0.0
3650	0309-3821_1	3880	3921	1	2020-11-27 15:00:00	2020-11-28 14:00:00	1	98.1	76.1	0.4	401.0	0.0	47.4	0.0
3651	0309-3824_1	3880	3921	1	2020-11-28 14:00:00	2020-11-28 14:00:00	1	228.7	140.9	1.1	821.8	890.9	23.1	0.0
3652	0309-3825_1	3880	3921	1	2020-11-28 15:00:00	2020-11-29 14:00:00	17	226.9	91.9	1.1	719.7	1345.7	9.7	0.0
3653	0309-3827_1	3880	3921	1	2020-11-29 15:00:00	2020-11-30 14:00:00	17	226.0	92.4	1.1	722.9	687.2	5.9	0.0
3654	0309-3832_1	3880	3921	1	2020-11-30 21:00:00	2020-12-01 14:00:00	1	96.3	90.6	0.4	619.9	0.0	2.1	0.0
3655	0309-3833_1	3880	3921	1	2020-12-01 07:00:00	2020-12-01 21:00:00	1	266.6	180.6	1.2	825.1	611.7	2.6	0.0
3656	0309-3835_1	3880	3921	1	2020-12-04 22:00:00	2020-12-05 03:00:00	1	48.3	28.1	0.2	413.3	0.0	14.8	0.0
3657	0309-3839_1	3880	3921	1	2020-12-07 07:00:00	2020-12-07 21:00:00	1	228.1	152.2	1.2	758.4	695.4	4.1	200.0
3658	0309-3841_1	3880	3921	1	2020-12-07 17:00:00	2020-12-08 14:00:00	1	104.4	98.1	0.3	452.4	0.0	2.4	0.0
3659	0309-3823_1	3850	3721	1	2020-12-08 08:00:00	2020-12-08 14:00:00	1	234.9	138.9	1.2	838.0	464.7	3.0	0.0
3660	0309-3818_1	3855	3779	1	2020-12-09 10:00:00	2020-12-09 15:00:00	1	98.3	59.5	0.4	538.4	0.0	10.0	0.0
3661	0309-3828_1	3860	3918	1	2020-12-09 09:00:00	2020-12-09 14:00:00	1	228.1	134.4	1.2	783.3	582.0	24.8	0.0
3662	0309-3829_1	3860	3918	1	2020-12-09 21:00:00	2020-12-10 14:00:00	1	120.9	72.5	0.4	534.7	0.0	17.3	0.0
3663	0309-3830_1	3860	3918	1	2020-12-10 06:00:00	2020-12-10 14:00:00	1	203.7	122.2	1.2	783.7	585.9	8.9	0.0
3664	0309-3831_1	3860	3918	1	2020-12-10 22:00:00	2020-12-11 04:00:00	1	14.8	41.2	0.4	580.4	0.0	5.0	0.0
3665	0309-3832_1	3860	3918	1	2020-12-11 06:00:00	2020-12-11 14:00:00	1	203.1	120.1	1.2	779.1	412.0	28.0	0.0
3666	0309-3833_1	3860	3918	1	2020-12-11 21:00:00	2020-12-12 14:00:00	1	115.9	73.5	0.4	577.9	0.0	5.0	0.0
3667	0309-3834_1	3860	3918	1	2020-12-12 07:00:00	2020-12-12 14:00:00	1	188.2	114.6	1.2	810.0	369.6	17.1	0.0
3668	0309-3835_1	3860	3918	1	2020-12-12 21:00:00	2020-12-13 14:00:00	1	98.3	69.8	0.4	648.3	0.0	35.3	0.0
3669	0309-3836_1	3860	3918	1	2020-12-13 07:00:00	2020-12-13 14:00:00	1	199.9	121.4	1.2	818.3	648.2	7.8	0.0
3670	0309-3837_1	3860	3918	1	2020-12-13 21:00:00	2020-12-14 14:00:00	17	229.9	98.1	1.5	717.8	1287.0	6.3	0.0
3671	0309-3838_1	3860	3918	1	2020-12-14 07:00:00	2020-12-14 14:00:00	17	247.8	93.7	1.8	663.1	2428.0	38.8	0.0
3672	0309-3839_1	3860	3918	1	2020-12-14 21:00:00	2020-12-17 14:00:00	65	246.7	93.4	1.5	693.0	1859.3	13.4	0.0
3673	0309-3840_1	3860	3918	1	2020-12-17 22:00:00	2020-12-18 06:00:00	1	45.9	28.7	0.3	564.7	0.0	38.0	0.0
3674	0309-3841_1	3860	3918	1	2020-12-18 06:00:00	2020-12-18 14:00:00	1	197.4	110.4	1.2	806.0	518.0	19.1	0.0
3675	0309-3842_1	3860	3918	1	2020-12-18 21:00:00	2020-12-21 14:00:00	67	204.6	84.2	1.4	724.0	2859.0	20.9	0.0
3676	0309-3843_1	3860	3918	1	2020-12-21 22:00:00	2020-12-22 14:00:00	17	236.7	94.8	1.8	721.0	1844.0	22.6	0.0
3677	0309-3844_1	3860	3918	1	2020-12-22 22:00:00	2020-12-23 14:00:00	17	238.2	104.6	1.2	618.0	1659.0	17.1	0.0
3678	0309-3845_1	3860	3918	1	2020-12-23 21:00:00	2020-12-24 14:00:00	1	98.3	69.8	0.4	648.3	0.0	35.3	0.0
3679	0309-3846_1	3860	3918	1	2020-12-24 07:00:00	2020-12-24 14:00:00	1	199.1	121.4	1.2	818.3	648.2	7.8	0.0
3680	0309-3847_1	3860	3918	1	2020-12-24 21:00:00	2020-12-25 14:00:00	67	229.9	98.1	1.5	717.8	2287.0	6.3	0.0
3681	0309-3848_1	3860	3918	1	2020-12-25 22:00:00	2020-12-26 14:00:00	67	247.8	93.7	1.8	663.1	2428.0	38.8	0.0
3682	0309-3849_1	3860	3918	1	2020-12-26 22:00:00	2020-12-27 14:00:00	66	246.7	93.4	1.5	693.0	1859.3	13.4	0.0
3683	0309-3850_1	3860	3918	1	2020-12-27 22:00:00	2020-12-28 14:00:00	17	237.0	98.1	1.5	704.4	1844.0	20.9	0.0
3684	0309-3851_1	3860	3918	1	2020-12-28 22:00:00	2020-12-29 14:00:00	17	236.7	94.8	1.8	721.0	1844.0	22.6	0.0
3685	0309-3852_1	3860	3918	1	2020-12-29 22:00:00	2020-12-30 14:00:00	17	238.2	104.6	1.2	618.0	1659.0	17.1	0.0
3686	0309-3853_1	3860	3918	1	2020-12-30 22:00:00	2020-12-31 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3687	0309-3854_1	3860	3918	1	2020-12-31 22:00:00	2021-01-01 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3688	0309-3855_1	3860	3918	1	2021-01-01 22:00:00	2021-01-02 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3689	0309-3856_1	3860	3918	1	2021-01-02 22:00:00	2021-01-03 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3690	0309-3857_1	3860	3918	1	2021-01-03 22:00:00	2021-01-04 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3691	0309-3858_1	3860	3918	1	2021-01-04 22:00:00	2021-01-05 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3692	0309-3859_1	3860	3918	1	2021-01-05 22:00:00	2021-01-06 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3693	0309-3860_1	3860	3918	1	2021-01-06 22:00:00	2021-01-07 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3694	0309-3861_1	3860	3918	1	2021-01-07 22:00:00	2021-01-08 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3695	0309-3862_1	3860	3918	1	2021-01-08 22:00:00	2021-01-09 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3696	0309-3863_1	3860	3918	1	2021-01-09 22:00:00	2021-01-10 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3697	0309-3864_1	3860	3918	1	2021-01-10 22:00:00	2021-01-11 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3698	0309-3865_1	3860	3918	1	2021-01-11 22:00:00	2021-01-12 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3699	0309-3866_1	3860	3918	1	2021-01-12 22:00:00	2021-01-13 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3700	0309-3867_1	3860	3918	1	2021-01-13 22:00:00	2021-01-14 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3701	0309-3868_1	3860	3918	1	2021-01-14 22:00:00	2021-01-15 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3702	0309-3869_1	3860	3918	1	2021-01-15 22:00:00	2021-01-16 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3703	0309-3870_1	3860	3918	1	2021-01-16 22:00:00	2021-01-17 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3704	0309-3871_1	3860	3918	1	2021-01-17 22:00:00	2021-01-18 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3705	0309-3872_1	3860	3918	1	2021-01-18 22:00:00	2021-01-19 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3706	0309-3873_1	3860	3918	1	2021-01-19 22:00:00	2021-01-20 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3707	0309-3874_1	3860	3918	1	2021-01-20 22:00:00	2021-01-21 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3708	0309-3875_1	3860	3918	1	2021-01-21 22:00:00	2021-01-22 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3709	0309-3876_1	3860	3918	1	2021-01-22 22:00:00	2021-01-23 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3710	0309-3877_1	3860	3918	1	2021-01-23 22:00:00	2021-01-24 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3711	0309-3878_1	3860	3918	1	2021-01-24 22:00:00	2021-01-25 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3712	0309-3879_1	3860	3918	1	2021-01-25 22:00:00	2021-01-26 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3713	0309-3880_1	3860	3918	1	2021-01-26 22:00:00	2021-01-27 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3714	0309-3881_1	3860	3918	1	2021-01-27 22:00:00	2021-01-28 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3715	0309-3882_1	3860	3918	1	2021-01-28 22:00:00	2021-01-29 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3716	0309-3883_1	3860	3918	1	2021-01-29 22:00:00	2021-01-30 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3717	0309-3884_1	3860	3918	1	2021-01-30 22:00:00	2021-01-31 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3718	0309-3885_1	3860	3918	1	2021-01-31 22:00:00	2021-02-01 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3719	0309-3886_1	3860	3918	1	2021-02-01 22:00:00	2021-02-02 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3720	0309-3887_1	3860	3918	1	2021-02-02 22:00:00	2021-02-03 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3721	0309-3888_1	3860	3918	1	2021-02-03 22:00:00	2021-02-04 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3722	0309-3889_1	3860	3918	1	2021-02-04 22:00:00	2021-02-05 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3723	0309-3890_1	3860	3918	1	2021-02-05 22:00:00	2021-02-06 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3724	0309-3891_1	3860	3918	1	2021-02-06 22:00:00	2021-02-07 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3725	0309-3892_1	3860	3918	1	2021-02-07 22:00:00	2021-02-08 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3726	0309-3893_1	3860	3918	1	2021-02-08 22:00:00	2021-02-09 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3727	0309-3894_1	3860	3918	1	2021-02-09 22:00:00	2021-02-10 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3728	0309-3895_1	3860	3918	1	2021-02-10 22:00:00	2021-02-11 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3729	0309-3896_1	3860	3918	1	2021-02-11 22:00:00	2021-02-12 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3730	0309-3897_1	3860	3918	1	2021-02-12 22:00:00	2021-02-13 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3731	0309-3898_1	3860	3918	1	2021-02-13 22:00:00	2021-02-14 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3732	0309-3899_1	3860	3918	1	2021-02-14 22:00:00	2021-02-15 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3733	0309-3900_1	3860	3918	1	2021-02-15 22:00:00	2021-02-16 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3734	0309-3901_1	3860	3918	1	2021-02-16 22:00:00	2021-02-17 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3735	0309-3902_1	3860	3918	1	2021-02-17 22:00:00	2021-02-18 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3736	0309-3903_1	3860	3918	1	2021-02-18 22:00:00	2021-02-19 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3737	0309-3904_1	3860	3918	1	2021-02-19 22:00:00	2021-02-20 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3738	0309-3905_1	3860	3918	1	2021-02-20 22:00:00	2021-02-21 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3739	0309-3906_1	3860	3918	1	2021-02-21 22:00:00	2021-02-22 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3740	0309-3907_1	3860	3918	1	2021-02-22 22:00:00	2021-02-23 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3741	0309-3908_1	3860	3918	1	2021-02-23 22:00:00	2021-02-24 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3742	0309-3909_1	3860	3918	1	2021-02-24 22:00:00	2021-02-25 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3743	0309-3910_1	3860	3918	1	2021-02-25 22:00:00	2021-02-26 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3744	0309-3911_1	3860	3918	1	2021-02-26 22:00:00	2021-02-27 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3745	0309-3912_1	3860	3918	1	2021-02-27 22:00:00	2021-02-28 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3746	0309-3913_1	3860	3918	1	2021-02-28 22:00:00	2021-03-01 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3747	0309-3914_1	3860	3918	1	2021-03-01 22:00:00	2021-03-02 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3748	0309-3915_1	3860	3918	1	2021-03-02 22:00:00	2021-03-03 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3749	0309-3916_1	3860	3918	1	2021-03-03 22:00:00	2021-03-04 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3750	0309-3917_1	3860	3918	1	2021-03-04 22:00:00	2021-03-05 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3751	0309-3918_1	3860	3918	1	2021-03-05 22:00:00	2021-03-06 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3752	0309-3919_1	3860	3918	1	2021-03-06 22:00:00	2021-03-07 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3753	0309-3920_1	3860	3918	1	2021-03-07 22:00:00	2021-03-08 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3754	0309-3921_1	3860	3918	1	2021-03-08 22:00:00	2021-03-09 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3755	0309-3922_1	3860	3918	1	2021-03-09 22:00:00	2021-03-10 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3756	0309-3923_1	3860	3918	1	2021-03-10 22:00:00	2021-03-11 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3757	0309-3924_1	3860	3918	1	2021-03-11 22:00:00	2021-03-12 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3758	0309-3925_1	3860	3918	1	2021-03-12 22:00:00	2021-03-13 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3759	0309-3926_1	3860	3918	1	2021-03-13 22:00:00	2021-03-14 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3760	0309-3927_1	3860	3918	1	2021-03-14 22:00:00	2021-03-15 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3761	0309-3928_1	3860	3918	1	2021-03-15 22:00:00	2021-03-16 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3762	0309-3929_1	3860	3918	1	2021-03-16 22:00:00	2021-03-17 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3763	0309-3930_1	3860	3918	1	2021-03-17 22:00:00	2021-03-18 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3764	0309-3931_1	3860	3918	1	2021-03-18 22:00:00	2021-03-19 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3765	0309-3932_1	3860	3918	1	2021-03-19 22:00:00	2021-03-20 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3766	0309-3933_1	3860	3918	1	2021-03-20 22:00:00	2021-03-21 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3767	0309-3934_1	3860	3918	1	2021-03-21 22:00:00	2021-03-22 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3768	0309-3935_1	3860	3918	1	2021-03-22 22:00:00	2021-03-23 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3769	0309-3936_1	3860	3918	1	2021-03-23 22:00:00	2021-03-24 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3770	0309-3937_1	3860	3918	1	2021-03-24 22:00:00	2021-03-25 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3771	0309-3938_1	3860	3918	1	2021-03-25 22:00:00	2021-03-26 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3772	0309-3939_1	3860	3918	1	2021-03-26 22:00:00	2021-03-27 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3773	0309-3940_1	3860	3918	1	2021-03-27 22:00:00	2021-03-28 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3774	0309-3941_1	3860	3918	1	2021-03-28 22:00:00	2021-03-29 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3775	0309-3942_1	3860	3918	1	2021-03-29 22:00:00	2021-03-30 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3776	0309-3943_1	3860	3918	1	2021-03-30 22:00:00	2021-03-31 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3777	0309-3944_1	3860	3918	1	2021-03-31 22:00:00	2021-04-01 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3778	0309-3945_1	3860	3918	1	2021-04-01 22:00:00	2021-04-02 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3779	0309-3946_1	3860	3918	1	2021-04-02 22:00:00	2021-04-03 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3780	0309-3947_1	3860	3918	1	2021-04-03 22:00:00	2021-04-04 14:00:00	17	236.9	93.5	1.8	695.1	1844.0	17.0	0.0
3781	0309-3948_1	3860	3918	1	2021-04-04 22:00:00	2021-04-05 14:00:00	17	236.9	93.5	1.8	695.1	1844.0



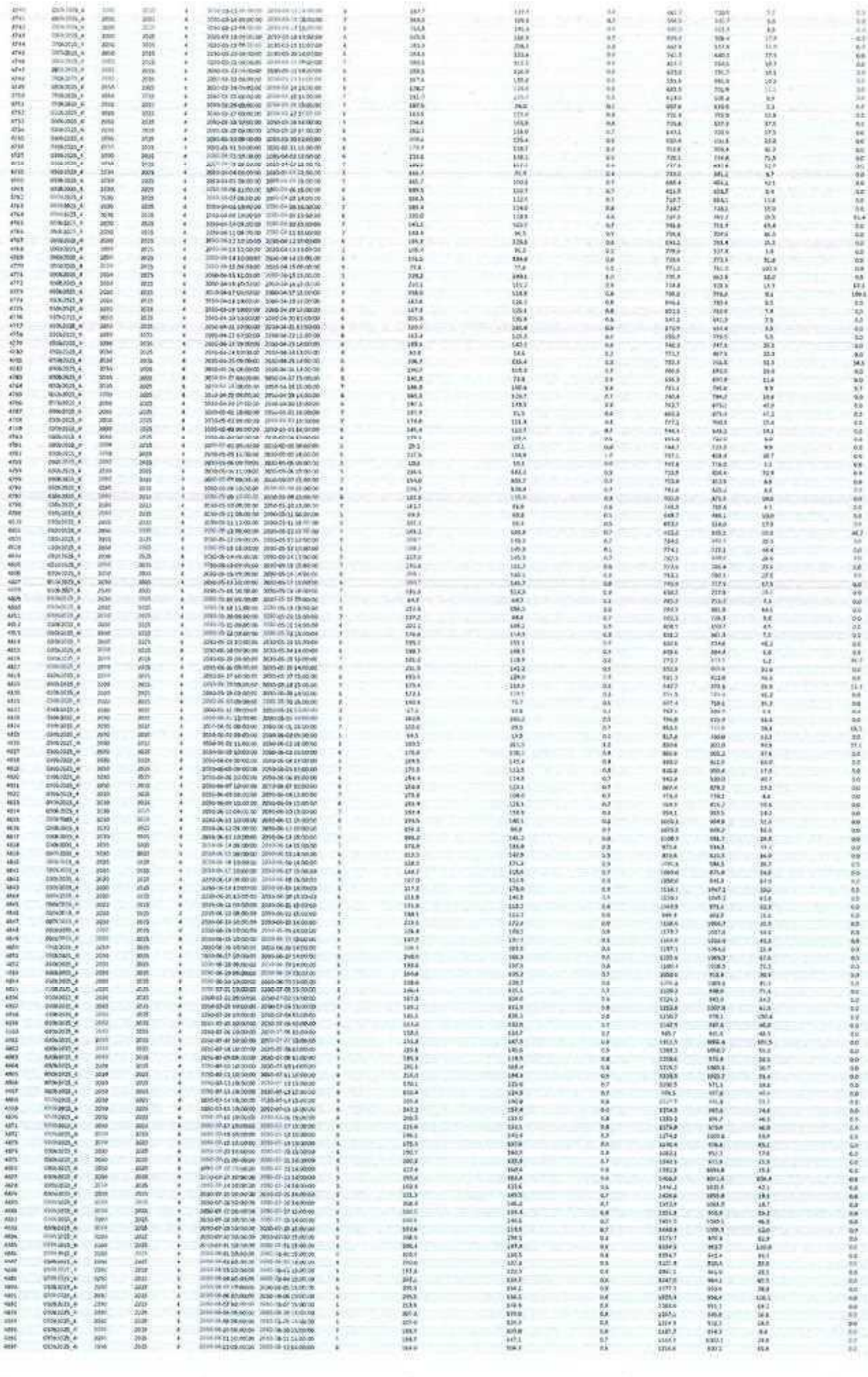
3950	[illegible]	2050	2024	1	[illegible]	[illegible]	1	107.6	155.8	[illegible]	[illegible]	[illegible]	[illegible]	49.0
3951	[illegible]	2050	2024	2	[illegible]	[illegible]	1	161.5	153.9	[illegible]	[illegible]	[illegible]	[illegible]	0.0
3952	[illegible]	2050	2024	2	[illegible]	[illegible]	1	165.8	185.6	[illegible]	[illegible]	[illegible]	[illegible]	169.9
3953	[illegible]	2050	2024	2	[illegible]	[illegible]	1	165.8	185.4	[illegible]	[illegible]	[illegible]	[illegible]	37.3
3954	[illegible]	2050	2024	2	[illegible]	[illegible]	1	165.4	182.1	[illegible]	[illegible]	[illegible]	[illegible]	118.1
3955	[illegible]	2050	2024	2	[illegible]	[illegible]	1	165.4	175.4	[illegible]	[illegible]	[illegible]	[illegible]	224.2
3956	[illegible]	2050	2024	2	[illegible]	[illegible]	1	165.4	125.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3957	[illegible]	2050	2024	2	[illegible]	[illegible]	1	165.4	153.8	[illegible]	[illegible]	[illegible]	[illegible]	11.6
3958	[illegible]	2050	2024	1	[illegible]	[illegible]	1	85.9	93.9	[illegible]	[illegible]	[illegible]	[illegible]	277.6
3959	[illegible]	2050	2024	2	[illegible]	[illegible]	1	163.6	174.6	[illegible]	[illegible]	[illegible]	[illegible]	229.9
3960	[illegible]	2050	2024	2	[illegible]	[illegible]	1	154.1	146.1	[illegible]	[illegible]	[illegible]	[illegible]	0.0
3961	[illegible]	2050	2024	2	[illegible]	[illegible]	1	107.8	157.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3962	[illegible]	2050	2024	2	[illegible]	[illegible]	1	165.4	83.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3963	[illegible]	2050	2024	2	[illegible]	[illegible]	1	93.4	17.9	[illegible]	[illegible]	[illegible]	[illegible]	109.4
3964	[illegible]	2050	2024	2	[illegible]	[illegible]	1	163.4	122.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3965	[illegible]	2050	2024	2	[illegible]	[illegible]	1	150.4	154.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3966	[illegible]	2050	2024	2	[illegible]	[illegible]	1	131.1	135.2	[illegible]	[illegible]	[illegible]	[illegible]	0.0
3967	[illegible]	2050	2024	2	[illegible]	[illegible]	1	174.3	154.7	[illegible]	[illegible]	[illegible]	[illegible]	0.0
3968	[illegible]	2050	2024	2	[illegible]	[illegible]	1	129.8	43.0	[illegible]	[illegible]	[illegible]	[illegible]	0.0
3969	[illegible]	2050	2024	2	[illegible]	[illegible]	1	43.0	46.9	[illegible]	[illegible]	[illegible]	[illegible]	0.0
3970	[illegible]	2050	2024	2	[illegible]	[illegible]	1	100.4	73.4	[illegible]	[illegible]	[illegible]	[illegible]	0.0
3971	[illegible]	2050	2024	2	[illegible]	[illegible]	1	40.7	40.7	[illegible]	[illegible]	[illegible]	[illegible]	0.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



4316	6504-2021_1	3090	3625	1	2050-03-05 10:00:00	2050-03-15 13:00:00	4	93.1	41.8	0.2	748.8	753.1	4.3	0.5
4317	6505-2021_1	3660	3625	2	2050-02-02 11:00:00	2050-02-03 14:00:00	4	112.7	50.7	0.3	749.1	751.7	2.6	0.3
4318	6506-2021_1	3660	3625	2	2050-03-07 11:00:00	2050-03-10 14:00:00	4	101.3	45.6	0.3	749.6	751.7	2.1	0.3
4319	6506-2021_1	3090	3625	2	2050-01-04 10:00:00	2050-01-14 13:00:00	4	86.7	39.0	0.2	748.0	749.8	1.8	0.2
4320	6507-2021_1	3660	3625	2	2050-03-25 09:00:00	2050-03-29 12:00:00	4	117.4	52.7	0.3	749.7	751.4	1.6	0.2
4321	6508-2021_1	3660	3625	1	2050-03-06 10:00:00	2050-03-16 13:00:00	4	79.2	35.6	0.2	752.1	753.8	1.7	0.2
4322	6509-2021_1	3090	3625	2	2050-03-07 13:00:00	2050-03-17 16:00:00	4	72.8	32.7	0.2	1256.2	1258.0	1.8	0.2
4323	6509-2021_1	3660	3625	1	2050-03-08 10:00:00	2050-03-18 13:00:00	4	89.8	40.4	0.3	749.7	752.0	2.3	0.3
4324	6510-2021_1	3660	3625	1	2050-03-06 09:00:00	2050-03-16 12:00:00	4	91.3	126.8	0.4	753.1	615.1	4.8	0.5
4325	6510-2021_1	3660	3625	1	2050-03-16 09:00:00	2050-03-26 12:00:00	5	100.8	45.4	0.2	753.1	640.4	26.8	0.3
4326	6510-2021_1	3660	3625	1	2050-04-14 09:00:00	2050-04-24 12:00:00	4	97.5	43.9	0.2	754.6	758.6	12.8	0.3
4327	6510-2021_1	3660	3625	1	2050-04-24 09:00:00	2050-05-04 12:00:00	5	108.7	130.4	0.3	942.8	632.1	57.2	0.3
4328	6510-2021_1	3660	3625	1	2050-05-14 09:00:00	2050-05-24 12:00:00	4	70.8	31.8	0.2	618.7	709.1	45.6	0.3
4329	6510-2021_1	3660	3625	1	2050-05-24 09:00:00	2050-06-03 12:00:00	4	84.6	38.1	0.2	624.4	795.2	8.3	0.3
4330	6511-2021_1	3660	3625	2	2050-03-18 10:00:00	2050-03-28 13:00:00	4	104.3	46.9	0.3	604.1	749.7	21.7	0.3
4331	6512-2021_1	3660	3625	2	2050-03-14 10:00:00	2050-03-24 13:00:00	4	104.2	130.8	0.4	604.4	627.4	98.0	0.4
4332	6513-2021_1	3660	3625	1	2050-03-27 09:00:00	2050-04-07 12:00:00	4	97.6	43.9	0.3	618.8	632.2	13.3	0.3
4333	6514-2021_1	3660	3625	1	2050-03-07 09:00:00	2050-03-17 12:00:00	4	103.9	132.9	0.3	607.0	720.0	46.1	0.3
4334	6515-2021_1	3660	3625	1	2050-03-27 09:00:00	2050-04-06 12:00:00	4	107.7	184.5	0.5	602.4	677.6	4.1	0.3
4335	6516-2021_1	3660	3625	1	2050-03-20 10:00:00	2050-03-30 13:00:00	4	103.4	139.4	0.3	604.8	681.8	76.9	0.3
4336	6517-2021_1	3660	3625	1	2050-03-12 10:00:00	2050-03-22 13:00:00	4	104.6	48.7	0.3	618.3	698.1	31.5	0.3
4337	6518-2021_1	3660	3625	1	2050-03-12 09:00:00	2050-03-22 12:00:00	4	96.3	44.1	0.2	620.4	628.5	33.4	0.3
4338	6519-2021_1	3660	3625	1	2050-03-23 11:00:00	2050-04-23 13:00:00	3	74.7	32.6	0.2	360.1	703.1	17.0	0.2
4339	6520-2021_1	3660	3625	1	2050-03-24 10:00:00	2050-04-24 13:00:00	4	91.1	39.6	0.2	1053.9	623.3	21.4	0.2
4340	6521-2021_1	3660	3625	1	2050-03-25 10:00:00	2050-04-25 13:00:00	4	96.1	42.2	0.2	618.7	796.8	5.8	0.3
4341	6522-2021_1	3660	3625	1	2050-03-26 09:00:00	2050-04-26 12:00:00	4	117.6	73.7	0.3	603.7	705.3	9.8	0.2
4342	6523-2021_1	3660	3625	1	2050-03-27 09:00:00	2050-04-27 12:00:00	4	88.9	90.2	0.3	602.5	728.6	1.7	0.2
4343	6524-2021_1	3660	3625	1	2050-03-28 11:00:00	2050-04-28 14:00:00	4	98.3	43.7	0.2	606.2	636.1	8.4	0.2
4344	6525-2021_1	3660	3625	1	2050-03-29 10:00:00	2050-04-29 13:00:00	4	95.8	42.8	0.2	774.3	691.3	2.4	0.3
4345	6526-2021_1	3660	3625	1	2050-03-30 10:00:00	2050-04-30 13:00:00	4	28.1	28.1	0.0	773.7	819.4	9.8	0.3
4346	6527-2021_1	3660	3625	1	2050-03-31 10:00:00	2050-04-30 13:00:00	3	44.8	20.6	0.1	655.3	804.6	11.3	0.3
4347	6528-2021_1	3660	3625	2	2050-04-01 10:00:00	2050-04-11 13:00:00	4	109.4	48.8	0.2	616.6	812.4	1.8	0.2
4348	6529-2021_1	3660	3625	2	2050-04-02 10:00:00	2050-04-12 13:00:00	4	76.9	34.4	0.2	603.1	772.8	14.8	0.2
4349	6530-2021_1	3660	3625	2	2050-04-03 10:00:00	2050-04-13 13:00:00	4	113.5	50.6	0.3	602.4	777.4	1.7	0.2
4350	6531-2021_1	3660	3625	2	2050-04-04 10:00:00	2050-04-14 13:00:00	4	97.6	43.5	0.2	602.1	772.1	1.4	0.2
4351	6532-2021_1	3660	3625	2	2050-04-05 10:00:00	2050-04-15 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4352	6533-2021_1	3660	3625	2	2050-04-06 10:00:00	2050-04-16 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4353	6534-2021_1	3660	3625	2	2050-04-07 10:00:00	2050-04-17 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4354	6535-2021_1	3660	3625	2	2050-04-08 10:00:00	2050-04-18 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4355	6536-2021_1	3660	3625	2	2050-04-09 10:00:00	2050-04-19 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4356	6537-2021_1	3660	3625	2	2050-04-10 10:00:00	2050-04-20 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4357	6538-2021_1	3660	3625	2	2050-04-11 10:00:00	2050-04-21 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4358	6539-2021_1	3660	3625	2	2050-04-12 10:00:00	2050-04-22 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4359	6540-2021_1	3660	3625	2	2050-04-13 10:00:00	2050-04-23 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4360	6541-2021_1	3660	3625	2	2050-04-14 10:00:00	2050-04-24 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4361	6542-2021_1	3660	3625	2	2050-04-15 10:00:00	2050-04-25 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4362	6543-2021_1	3660	3625	2	2050-04-16 10:00:00	2050-04-26 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4363	6544-2021_1	3660	3625	2	2050-04-17 10:00:00	2050-04-27 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4364	6545-2021_1	3660	3625	2	2050-04-18 10:00:00	2050-04-28 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4365	6546-2021_1	3660	3625	2	2050-04-19 10:00:00	2050-04-29 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4366	6547-2021_1	3660	3625	2	2050-04-20 10:00:00	2050-04-30 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4367	6548-2021_1	3660	3625	2	2050-04-21 10:00:00	2050-05-01 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4368	6549-2021_1	3660	3625	2	2050-04-22 10:00:00	2050-05-02 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4369	6550-2021_1	3660	3625	2	2050-04-23 10:00:00	2050-05-03 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4370	6551-2021_1	3660	3625	2	2050-04-24 10:00:00	2050-05-04 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4371	6552-2021_1	3660	3625	2	2050-04-25 10:00:00	2050-05-05 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4372	6553-2021_1	3660	3625	2	2050-04-26 10:00:00	2050-05-06 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4373	6554-2021_1	3660	3625	2	2050-04-27 10:00:00	2050-05-07 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4374	6555-2021_1	3660	3625	2	2050-04-28 10:00:00	2050-05-08 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4375	6556-2021_1	3660	3625	2	2050-04-29 10:00:00	2050-05-09 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4376	6557-2021_1	3660	3625	2	2050-04-30 10:00:00	2050-05-10 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4377	6558-2021_1	3660	3625	2	2050-05-01 10:00:00	2050-05-11 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4378	6559-2021_1	3660	3625	2	2050-05-02 10:00:00	2050-05-12 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4379	6560-2021_1	3660	3625	2	2050-05-03 10:00:00	2050-05-13 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4380	6561-2021_1	3660	3625	2	2050-05-04 10:00:00	2050-05-14 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4381	6562-2021_1	3660	3625	2	2050-05-05 10:00:00	2050-05-15 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4382	6563-2021_1	3660	3625	2	2050-05-06 10:00:00	2050-05-16 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4383	6564-2021_1	3660	3625	2	2050-05-07 10:00:00	2050-05-17 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4384	6565-2021_1	3660	3625	2	2050-05-08 10:00:00	2050-05-18 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4385	6566-2021_1	3660	3625	2	2050-05-09 10:00:00	2050-05-19 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4386	6567-2021_1	3660	3625	2	2050-05-10 10:00:00	2050-05-20 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4387	6568-2021_1	3660	3625	2	2050-05-11 10:00:00	2050-05-21 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4388	6569-2021_1	3660	3625	2	2050-05-12 10:00:00	2050-05-22 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4389	6570-2021_1	3660	3625	2	2050-05-13 10:00:00	2050-05-23 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4390	6571-2021_1	3660	3625	2	2050-05-14 10:00:00	2050-05-24 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4391	6572-2021_1	3660	3625	2	2050-05-15 10:00:00	2050-05-25 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4392	6573-2021_1	3660	3625	2	2050-05-16 10:00:00	2050-05-26 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4393	6574-2021_1	3660	3625	2	2050-05-17 10:00:00	2050-05-27 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4394	6575-2021_1	3660	3625	2	2050-05-18 10:00:00	2050-05-28 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4395	6576-2021_1	3660	3625	2	2050-05-19 10:00:00	2050-05-29 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4396	6577-2021_1	3660	3625	2	2050-05-20 10:00:00	2050-05-30 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4397	6578-2021_1	3660	3625	2	2050-05-21 10:00:00	2050-05-31 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4398	6579-2021_1	3660	3625	2	2050-05-22 10:00:00	2050-06-01 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4399	6580-2021_1	3660	3625	2	2050-05-23 10:00:00	2050-06-02 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4400	6581-2021_1	3660	3625	2	2050-05-24 10:00:00	2050-06-03 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4401	6582-2021_1	3660	3625	2	2050-05-25 10:00:00	2050-06-04 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4402	6583-2021_1	3660	3625	2	2050-05-26 10:00:00	2050-06-05 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4403	6584-2021_1	3660	3625	2	2050-05-27 10:00:00	2050-06-06 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4404	6585-2021_1	3660	3625	2	2050-05-28 10:00:00	2050-06-07 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4405	6586-2021_1	3660	3625	2	2050-05-29 10:00:00	2050-06-08 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4406	6587-2021_1	3660	3625	2	2050-05-30 10:00:00	2050-06-09 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4407	6588-2021_1	3660	3625	2	2050-05-31 10:00:00	2050-06-10 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4408	6589-2021_1	3660	3625	2	2050-06-01 10:00:00	2050-06-11 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4409	6590-2021_1	3660	3625	2	2050-06-02 10:00:00	2050-06-12 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4410	6591-2021_1	3660	3625	2	2050-06-03 10:00:00	2050-06-13 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4411	6592-2021_1	3660	3625	2	2050-06-04 10:00:00	2050-06-14 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4412	6593-2021_1	3660	3625	2	2050-06-05 10:00:00	2050-06-15 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4413	6594-2021_1	3660	3625	2	2050-06-06 10:00:00	2050-06-16 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4414	6595-2021_1	3660	3625	2	2050-06-07 10:00:00	2050-06-17 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4415	6596-2021_1	3660	3625	2	2050-06-08 10:00:00	2050-06-18 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4416	6597-2021_1	3660	3625	2	2050-06-09 10:00:00	2050-06-19 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4417	6598-2021_1	3660	3625	2	2050-06-10 10:00:00	2050-06-20 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4418	6599-2021_1	3660	3625	2	2050-06-11 10:00:00	2050-06-21 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4419	6600-2021_1	3660	3625	2	2050-06-12 10:00:00	2050-06-22 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4420	6601-2021_1	3660	3625	2	2050-06-13 10:00:00	2050-06-23 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4421	6602-2021_1	3660	3625	2	2050-06-14 10:00:00	2050-06-24 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4422	6603-2021_1	3660	3625	2	2050-06-15 10:00:00	2050-06-25 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4423	6604-2021_1	3660	3625	2	2050-06-16 10:00:00	2050-06-26 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2
4424	6605-2021_1	3660	3625	2	2050-06-17 10:00:00	2050-06-27 13:00:00	4	104.2	46.5	0.2	602.1	772.1	1.4	0.2



4584	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	71.5	50.0	0.1	1191.8	946.3	46.3	0.0
4585	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	73.2	46.0	0.2	1110.0	899.0	39.5	0.0
4586	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	60.0	45.7	0.1	1011.1	872.5	32.1	0.0
4587	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	65.1	45.2	0.2	996.0	818.5	19.4	0.0
4588	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	59.2	46.2	0.2	1046.8	849.5	59.2	0.0
4589	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	65.0	55.6	0.1	1051.4	899.5	119.2	0.0
4590	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	80.4	82.1	0.2	992.7	955.0	59.3	0.0
4591	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	69.6	46.1	0.2	1025.8	824.8	55.0	0.0
4592	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	72.5	56.6	0.2	961.8	787.8	18.8	0.0
4593	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	27.5	48.1	0.2	965.2	779.2	45.2	0.0
4594	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	60.7	42.2	0.2	904.1	744.0	25.2	0.0
4595	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	33.4	42.8	0.4	950.7	764.5	24.8	0.0
4596	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	44.3	47.6	0.1	917.2	753.8	58.2	0.0
4597	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	90.3	35.4	0.1	821.8	670.4	137.2	0.0
4598	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	47.5	29.7	0.1	828.6	697.4	94.2	0.0
4599	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	94.5	91.6	0.1	828.1	580.4	0.0	0.0
4600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	78.7	74.1	0.1	761.1	745.6	17.0	0.0
4601	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	97.2	28.9	0.1	731.8	582.1	18.7	0.0
4602	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	99.0	45.6	0.1	820.6	787.7	67.6	0.0
4603	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	74.4	46.2	0.3	809.8	731.8	24.6	0.0
4604	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	94.0	44.3	0.3	768.0	721.8	9.9	0.0
4605	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	87.8	80.6	0.3	828.1	776.7	3.1	0.0
4606	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	69.9	48.5	0.2	940.0	724.5	31.2	0.0
4607	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	105.6	93.3	0.3	760.7	760.0	27.0	0.0
4608	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	124.2	87.1	0.5	722.8	757.7	93.3	0.0
4609	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	5.8	5.1	0.6	727.8	522.8	149.1	0.0
4610	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	99.8	45.7	0.2	882.1	728.6	71.4	0.0
4611	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	130.6	143.1	0.3	849.0	602.1	95.0	0.0
4612	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	94.4	91.1	0.2	463.7	743.5	3.6	0.0
4613	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	97.6	82.5	0.3	808.0	802.7	4.1	0.0
4614	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	74.3	30.0	0.3	455.0	726.3	32.9	0.0
4615	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	73.1	50.0	0.2	794.0	882.5	47.1	0.0
4616	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	111.8	80.9	0.5	706.4	720.0	45.0	0.0
4617	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	91.1	33.0	0.2	667.9	716.6	35.0	19.0
4618	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	122.7	34.2	0.3	723.2	712.7	3.7	14.1
4619	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	73.8	46.2	0.2	649.8	751.2	20.5	0.0
4620	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	64.1	45.0	0.3	887.0	771.0	17.2	0.0
4621	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	80.7	40.0	0.2	648.5	750.0	3.5	0.0
4622	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	23.6	8.5	0.0	751.7	209.0	0.0	0.0
4623	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	10.0	14.6	0.1	697.7	835.6	3.1	0.0
4624	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	33.9	7.9	0.2	904.8	502.6	4.2	0.0
4625	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	30.6	17.1	0.1	610.0	565.3	4.8	0.0
4626	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	73.1	27.9	0.1	612.0	503.3	19.9	0.0
4627	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	30.9	30.5	0.1	804.5	842.0	45.1	0.0
4628	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	73.4	21.5	0.1	629.0	524.6	4.1	0.0
4629	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	73.4	11.3	0.0	746.4	474.0	9.0	0.0
4630	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	43.9	14.1	0.3	799.6	216.7	3.1	0.0
4631	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	93.6	38.0	0.2	806.7	523.0	10.7	0.0
4632	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	29.3	21.4	0.0	607.4	490.0	0.6	0.0
4633	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	3.6	3.6	0.0	737.9	406.4	3.6	0.0
4634	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	15.0	27.2	0.6	758.9	440.0	3.7	0.0
4635	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2.8	3.7	0.0	658.0	454.5	4.1	0.0
4636	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	15.1	8.2	0.1	448.9	420.1	9.5	0.0
4637	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	3.8	4.0	0.0	738.7	401.0	14.0	0.0
4638	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	18.0	6.0	0.0	720.9	498.0	27.8	0.0
4639	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	8.8	8.2	0.0	760.4	513.7	18.8	0.0
4640	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	16.7	17.0	0.3	742.8	673.4	22.8	0.0
4641	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	3.2	3.1	0.0	721.0	475.8	13.6	0.0
4642	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	5.6	5.5	0.0	700.6	627.9	38.2	0.0
4643	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	7.0	9.0	0.0	704.1	472.8	7.0	0.0
4644	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	5.1	5.1	0.0	708.5	442.7	7.3	0.0
4645	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	13.7	13.7	0.0	724.6	594.7	88.7	0.0
4646	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	12.4	12.1	0.0	737.4	611.5	2.4	0.0
4647	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	20.0	12.1	0.0	498.5	0.0	25.6	0.0
4648	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	17.4	17.8	0.0	491.4	546.3	0.0	0.0
4649	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	91.8	41.8	0.2	803.4	403.2	12.8	0.0
4650	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	45.4	50.6	0.1	790.1	490.0	11.0	0.0
4651	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	5.6	5.2	0.0	742.6	432.1	3.0	0.0
4652	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	14.8	18.8	0.0	478.1	466.7	3.6	0.0
4653	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	17.1	17.1	0.0	730.8	396.9	19.4	0.0
4654	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	19.8	16.4	0.1	428.9	495.0	14.3	0.0
4655	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	48.1	47.5	0.2	428.8	514.0	7.1	0.0
4656	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	35.4	13.5	0.1	702.7	434.6	0.0	0.0
4657	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	32.6	32.6	0.0	815.0	359.4	57.0	0.0
4658	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	40.2	29.2	0.1	823.5	403.3	37.2	0.0
4659	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	13.8	13.6	0.0	819.3	0.0	8.5	0.0
4660	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0.4	8.4	0.0	794.4	418.4	12.3	0.0
4661	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	7.3	7.2	0.0	780.4	400.7	50.2	0.0
4662	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	8.1	9.9	0.0	768.0	436.5	46.7	0.0
4663	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	5.9	4.0	0.0	748.4	437.6	8.8	0.0
4664	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	58.0	54.0	0.1	801.2	343.8	1.4	0.0
4665	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	38.8	33.0	0.1	811.2	300.3	110.5	0.0
4666	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	200.0	175.3	1.0	751.3	676.1	3.7	0.0
4667	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	170.4	144.0	0.5	737.8	418.7	1.8	0.0
4668	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	204.0	313.3	0.6	822.6	606.7	1.8	0.0
4669	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	40.8	32.9	0.1	360.6	0.0	0.2	0.0
4670	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1.1	1.1	0.0	340.3	714.7	5.8	0.0
4671	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	10.5	19.5	0.0	822.8	452.6	0.0	0.0
4672	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	44.9	38.0	0.3	401.3	302.9	99.1	0.0
4673	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	180.4	145.0	0.5	489.1	342.0	19.9	0.0
4674	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	300.0	158.9	0.8	829.0	641.7	3.0	0.0
4675	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	300.4	137.3	0.7	871.2	376.3	7.4	0.0
4676	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	144.7	153.1	0.9	834.4	932.9	13.1	0.0
4677	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	234.3	161.3	1.0	831.5	431.4	65.4	0.0
4678	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	200.4	141.5	0.8	759.4	771.4	5.0	0.0
4679	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	209.0	165.2	0.9	794.5	486.1	7.8	0.0
4680	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	193.8	150.0	0.8	785.2	631.3	13.0	0.0
4681	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	187.0	134.6	0.4	780.3	605.0	19.0	0.0
4682	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	208.3	140.3	0.8	780.0	370.4	5.1	0.0
4683	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	269.1	140.9	0.8	782.1	476.7	13.3	0.0
4684	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	305.0	143.9	0.6	790.1	481.3	14.0	0.0
4685	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	203.0	203.0	0.8	778.0	523.5	8.4	0.0
4686	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	205.0	206.6	1.0	751.1	500.5	5.0	81.5
4687	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	183.0	610.3	0.6	751.8	484.4	9.8	0.0
4688	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	205.0	232.7	0.5	810.3	448.5	9.0	0.0
4689	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	8.6	8.6	0.0	842.0	545.9	0.0	0.0
4690	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	217.6	262.8	0.1	839.1	535.7	4.6	0.0
4691	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	182.6	155.2	0.1	782.6	381.1	71.1	0.0
4692	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	169.3	109.1	0.5	750.5	511.5	48.8	0.0
4693	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	194.2	131.4	0.7	814.8	345.9	13.3	0.0
4694	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	183.0	148.9	1.1	812.9	532.7	13.7	0.0
4695	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	200.7	148.3	0.9	815.3	841.8	11.6	0.0
4696	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	335.7	153.0	0.8	880.5	718.5	5.7	0.0
4697	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	187.4	186.4	0.8	829.6	646.8	33.7	0.0
4698	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	193.4	197.4	0.8	747.6	746.6	5.2	0.0
4699	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	314.8	146.7	0.8	771.4	766.9	4.6	0.0
4700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	140.7	174.3	0.9	818.1	580.6	3.2	0.0
4701	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	331.9	169.0	0.8	784.2	654.8	3.6	0.0
4702	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	182.8	169.3	0.8	364.5	350.7	45.3	0.0
4703	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	284.4	140.0	0.9	381.7	292.3	46.7	0.0
4704	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	126.6	93.6	0.2	1003.8	356.7	63.3	0.0
4705	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	133.6	147.6	0.7	400.5	677.7	13.9	0.0
4706	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	348.6	171.3	0.7	858.3	544.5	4.8	0.0
4707	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	783.1	128.0	0.6	951.1	640.0	14.4	0.0
4708	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1.1	8.1	0.0	404.6	0.0	11.0	0.0
4709	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	130.4	109.2	0.6	871.2	560.7	21.8	0.0
4710	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	183.0	128.1	0.5	846.1	544.8	85.6	0.0
4711	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	590.2	94.9	0.7	808.8	463.7	100.8	0.0
4712	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	160.5	99.1	0.6	402.4	715.3	30.6	0.0
4713	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	300.5	150.2	0.9	821.4	325.0	20.3	0.0
4714	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	212.1	147.0	0.8	797.4	796.8	90.4	0.0
4715	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	247.2	202.6	0.6	924.9	837.2	32.9	0.0
4716	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	290.8	127.2	0.6	901.6	841.0	40.6	0.0
4717	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	256.0	140.9	0.7	932.7	643.7	18.3	0.0
4718	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	18.2	12.8	0.0	968.1	0.0	110.0	0.0
4719	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	202.3	413.3	0.5	998.2	604.4	34.7	0.0
4720	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	223.3	420.6	0.8	961.8	695.0	22.9	0.0
4721	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	147.8	415.3	0.5	978.4	619.8	32.4	0.0
4722	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	173.9	89.6	0.5	968.5	604.8	27.1	0.0
4723	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	180.1	410.0	0.8	1076.0	621.0	10.8	0.0
4724	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	218.7	180.2	0.8	1017.3	714.0	3.2	0.0
4725	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	213.0	170.0	0.7	998.7	559.3	3.0	0.0
4726	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	200.0	130.6	0.8	398.4	507.6	9.1	0.0
4727	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	248.4	96.2	0.4	903.5	469.0	7.6	0.0
4728	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	180.4	109.0	0.8	778.1	611.3	9.4	0.0
4729	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	194.0	193.4	0.7	603.1	550.6	80.0	0.0
4730	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	193.1	178.0	0.9	620.2	519.5	3.9	0.0
4731	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	214.6	174.3	0.5	808.1	649.0	89.3	0.0
4732	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	247.0	178.6	0.9	780.0	509.0	61.8	0.0
4733	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	208.3	145.2	0.8	749.0	709.0	49.4	0.0
4734	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	174.4	117.5	0.7	254.4	511.8	14.7	0.0
4735	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	150.0	95.4	0.7	679.6	840.3	16.3	0.0
4736	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	166.7	110.5	0.7	832.7	543.1	10.9	0.0
4737	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	189.0	118.0	0.7	709.0	631.0	3.7	0.0
4738	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	179.2	128.9	0.8	732.1	724.8	4.6	0.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	110.6	831.5	0.8	694.4	749.3	6.6	0.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	145.7	93.2	0.7	837.0	708.7	49.3	0.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	116.5	104.5	0.7	697.8	710.0	8.1	0.0

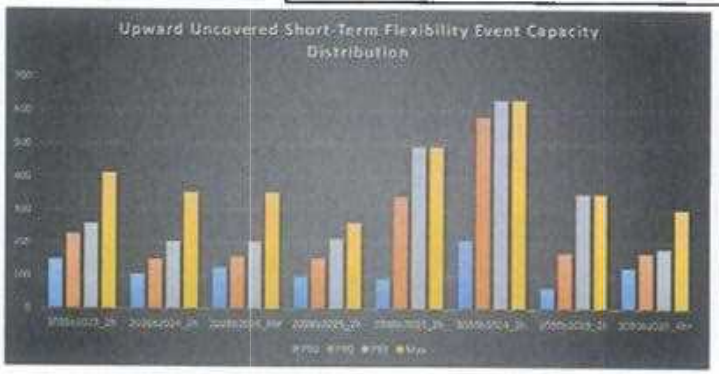


8888	03/06/2025_4	3280	3529	4	2030-09-13 09:00:00	2030-09-17 14:00:00	4	270.9	819.0	0.7	1245.8	905.1	23.2	0.2
8889	03/06/2025_4	3340	3525	4	2030-09-14 09:00:00	2030-09-18 12:00:00	4	156.9	58.3	0.5	1241.8	902.8	15.9	0.2
8890	03/06/2025_4	3340	3585	4	2030-09-15 09:00:00	2030-09-21 13:00:00	4	170.7	699.6	0.7	1218.1	886.4	20.6	0.2
8981	03/06/2025_4	3340	3585	4	2030-09-16 14:00:00	2030-09-24 13:00:00	4	185.8	976.3	0.8	1126.2	806.0	60.8	0.3
8982	03/06/2025_4	3280	3525	4	2030-09-17 19:00:00	2030-09-27 13:00:00	4	147.9	819.8	0.8	1068.8	765.1	74.8	0.4
8983	03/06/2025_4	3280	3525	4	2030-09-18 18:00:00	2030-09-30 13:00:00	4	290.0	810.0	0.8	1204.2	862.4	59.9	0.3
8984	03/06/2025_4	3320	3565	4	2030-09-19 18:00:00	2030-09-29 13:00:00	4	159.0	813.4	0.7	1109.9	793.9	59.3	0.3
8985	03/06/2025_4	3320	3565	4	2030-09-20 19:00:00	2030-09-30 13:00:00	4	149.0	813.5	0.7	1183.1	847.7	47.0	0.3
8986	03/06/2025_4	3280	3525	4	2030-09-21 19:00:00	2030-09-29 14:00:00	4	134.3	830.3	0.8	1210.1	865.3	43.6	0.3
8987	03/06/2025_4	3280	3525	4	2030-09-22 19:00:00	2030-09-27 14:00:00	4	214.9	874.8	0.8	1291.8	1240.3	17.1	0.5
8988	03/06/2025_4	3280	3525	4	2030-09-23 19:00:00	2030-09-28 13:00:00	4	204.7	817.5	0.8	1226.2	946.7	24.4	0.2
8989	03/06/2025_4	3280	3525	4	2030-09-24 19:00:00	2030-09-29 13:00:00	4	188.7	827.3	0.8	1196.0	903.7	46.2	0.3
8990	03/06/2025_4	3280	3525	4	2030-09-25 19:00:00	2030-09-29 13:00:00	4	213.7	838.4	0.8	1250.0	1007.1	33.5	0.3
8991	03/06/2025_4	3280	3525	4	2030-09-26 19:00:00	2030-09-29 13:00:00	4	179.0	830.0	0.8	1153.1	880.0	54.4	0.3
8992	03/06/2025_4	3280	3525	4	2030-09-27 19:00:00	2030-09-29 13:00:00	4	210.6	815.2	0.8	1233.3	918.4	37.5	0.3
8993	03/06/2025_4	3280	3525	4	2030-09-28 19:00:00	2030-09-29 13:00:00	4	191.9	838.7	0.8	1227.3	935.1	47.4	0.3
8994	03/06/2025_4	3280	3525	4	2030-09-29 19:00:00	2030-09-29 13:00:00	4	184.7	842.8	0.8	1204.4	917.3	47.1	0.3
8995	03/06/2025_4	3280	3525	4	2030-09-30 19:00:00	2030-09-30 13:00:00	4	189.7	836.8	0.8	1078.3	904.6	48.4	0.3
8996	03/06/2025_4	3280	3525	4	2030-09-31 19:00:00	2030-09-31 13:00:00	4	179.3	844.0	0.8	1103.1	909.9	46.1	0.3
8997	03/06/2025_4	3280	3525	4	2030-09-01 19:00:00	2030-09-01 13:00:00	4	189.8	834.3	0.8	1254.4	986.1	33.8	0.3
8998	03/06/2025_4	3280	3525	4	2030-09-02 19:00:00	2030-09-02 13:00:00	4	210.6	838.2	0.8	1300.8	1010.3	31.3	0.3
8999	03/06/2025_4	3280	3525	4	2030-09-03 19:00:00	2030-09-03 13:00:00	4	213.8	846.1	0.8	1271.8	986.7	40.8	0.3
9000	03/06/2025_4	3280	3525	4	2030-09-04 19:00:00	2030-09-04 13:00:00	4	184.7	853.1	0.8	1273.6	989.4	43.1	0.3
9001	03/06/2025_4	3280	3525	4	2030-09-05 19:00:00	2030-09-05 13:00:00	4	204.0	828.8	0.8	1244.7	979.5	35.9	0.3
9002	03/06/2025_4	3280	3525	4	2030-09-06 19:00:00	2030-09-06 13:00:00	4	184.2	814.9	0.8	1158.2	924.6	44.5	0.3
9003	03/06/2025_4	3280	3525	4	2030-09-07 19:00:00	2030-09-07 13:00:00	4	189.4	818.6	0.8	1173.9	946.6	37.9	0.3
9004	03/06/2025_4	3280	3525	4	2030-09-08 19:00:00	2030-09-08 13:00:00	4	187.3	835.8	0.8	1157.1	919.6	47.8	0.3
9005	03/06/2025_4	3280	3525	4	2030-09-09 19:00:00	2030-09-09 13:00:00	4	183.8	834.4	0.8	1164.4	894.8	51.6	0.3
9006	03/06/2025_4	3280	3525	4	2030-09-10 19:00:00	2030-09-10 13:00:00	4	189.8	830.2	0.7	1161.7	900.1	50.3	0.3
9007	03/06/2025_4	3280	3525	4	2030-09-11 19:00:00	2030-09-11 13:00:00	4	213.0	843.8	0.7	1184.8	873.3	39.6	0.3
9008	03/06/2025_4	3280	3525	4	2030-09-12 19:00:00	2030-09-12 14:00:00	4	178.3	813.3	0.7	1138.3	858.4	54.3	0.3
9009	03/06/2025_4	3280	3525	4	2030-09-13 19:00:00	2030-09-13 13:00:00	4	168.1	98.7	0.7	1097.8	845.6	33.4	0.3
9010	03/06/2025_4	3280	3525	4	2030-09-14 19:00:00	2030-09-14 14:00:00	4	164.7	814.9	0.8	1071.9	830.4	13.7	0.3
9011	03/06/2025_4	3280	3525	4	2030-09-15 19:00:00	2030-09-15 14:00:00	4	183.4	798.1	0.7	1122.2	834.3	27.3	0.3
9012	03/06/2025_4	3280	3525	4	2030-09-16 19:00:00	2030-09-16 14:00:00	4	193.1	126.8	0.7	1108.5	899.4	26.0	0.3
9013	03/06/2025_4	3280	3525	4	2030-09-17 19:00:00	2030-09-17 14:00:00	4	214.7	139.4	0.6	1168.9	905.3	36.2	0.3
9014	03/06/2025_4	3280	3525	4	2030-09-18 19:00:00	2030-09-18 14:00:00	4	213.0	153.4	0.6	1120.1	839.9	38.3	0.3
9015	03/06/2025_4	3280	3525	4	2030-09-19 19:00:00	2030-09-19 15:00:00	1	191.0	122.8	0.6	1093.2	845.9	101.5	0.3
9016	03/06/2025_4	3280	3525	4	2030-09-20 19:00:00	2030-09-20 14:00:00	4	169.6	93.1	0.6	1096.2	771.3	31.3	0.3
9017	03/06/2025_4	3280	3525	4	2030-09-21 19:00:00	2030-09-21 13:00:00	4	191.7	119.7	0.6	1111.7	794.0	59.7	0.3
9018	03/06/2025_4	3280	3525	4	2030-09-22 19:00:00	2030-09-22 14:00:00	4	212.9	134.9	0.6	1096.4	834.6	44.5	0.3
9019	03/06/2025_4	3280	3525	4	2030-09-23 19:00:00	2030-09-23 14:00:00	4	191.7	119.3	0.7	1101.5	889.8	16.1	0.3
9020	03/06/2025_4	3280	3525	4	2030-09-24 19:00:00	2030-09-24 14:00:00	4	171.2	109.3	0.6	1134.3	913.4	23.8	0.3
9021	03/06/2025_4	3280	3525	4	2030-09-25 19:00:00	2030-09-25 13:00:00	4	200.0	126.0	0.6	1091.1	833.0	33.3	0.3
9022	03/06/2025_4	3280	3525	4	2030-09-26 19:00:00	2030-09-26 14:00:00	4	205.0	134.5	0.6	1096.5	841.4	15.6	0.3
9023	03/06/2025_4	3280	3525	4	2030-09-27 19:00:00	2030-09-27 14:00:00	4	216.3	140.3	0.6	1101.0	833.4	21.7	0.3
9024	03/06/2025_4	3280	3525	4	2030-09-28 19:00:00	2030-09-28 14:00:00	4	183.8	127.4	0.6	1105.3	774.2	22.1	0.3
9025	03/06/2025_4	3280	3525	4	2030-09-29 19:00:00	2030-09-29 13:00:00	4	174.0	111.8	0.7	1104.5	898.2	58.7	0.3
9026	03/06/2025_4	3280	3525	4	2030-09-30 19:00:00	2030-09-30 14:00:00	4	219.0	66.7	0.6	1091.4	798.8	131.9	0.3
9027	03/06/2025_4	3280	3525	4	2030-10-01 19:00:00	2030-09-24 13:00:00	7	264.8	813.2	0.6	917.8	782.1	47.8	0.9
9028	03/06/2025_4	3280	3525	4	2030-10-02 19:00:00	2030-09-27 13:00:00	7	268.0	811.9	0.6	1064.9	787.1	61.1	0.9
9029	03/06/2025_4	3280	3525	4	2030-10-03 19:00:00	2030-09-28 13:00:00	7	269.0	792.8	0.6	894.3	758.5	124.8	0.9
9030	03/06/2025_4	3280	3525	4	2030-10-04 19:00:00	2030-09-29 13:00:00	7	253.5	109.2	0.7	903.2	795.0	46.8	0.9
9031	03/06/2025_4	3280	3525	4	2030-10-05 19:00:00	2030-09-30 14:00:00	7	263.9	120.6	0.7	798.9	728.6	38.5	0.9
9032	03/06/2025_4	3280	3525	4	2030-10-06 19:00:00	2030-09-30 13:00:00	7	267.2	120.4	0.8	950.5	794.8	36.1	0.9
9033	03/06/2025_4	3280	3525	4	2030-10-07 19:00:00	2030-09-30 13:00:00	7	275.8	122.2	0.7	909.1	693.8	75.1	0.9
9034	03/06/2025_4	3280	3525	4	2030-10-08 19:00:00	2030-09-30 13:00:00	7	263.4	124.8	0.8	903.5	638.3	102.1	0.9
9035	03/06/2025_4	3280	3525	4	2030-10-09 19:00:00	2030-09-30 13:00:00	7	263.8	98.7	0.7	826.8	638.2	91.2	0.9
9036	03/06/2025_4	3280	3525	4	2030-10-10 19:00:00	2030-09-30 13:00:00	7	260.9	122.4	0.8	836.9	695.3	86.9	0.9
9037	03/06/2025_4	3280	3525	4	2030-10-11 19:00:00	2030-09-30 13:00:00	7	274.8	119.6	0.7	794.1	758.9	55.2	0.9
9038	03/06/2025_4	3280	3525	4	2030-10-12 19:00:00	2030-09-30 13:00:00	7	274.8	92.2	0.6	888.9	802.2	30.9	0.9
9039	03/06/2025_4	3280	3525	4	2030-10-13 19:00:00	2030-09-30 13:00:00	7	284.8	118.0	0.8	821.4	795.3	59.2	0.9
9040	03/06/2025_4	3280	3525	4	2030-10-14 19:00:00	2030-09-30 13:00:00	7	273.6	122.8	0.7	813.4	751.1	36.5	0.9
9041	03/06/2025_4	3280	3525	4	2030-10-15 19:00:00	2030-09-30 14:00:00	7	264.8	128.5	0.7	880.1	859.1	6.5	0.9
9042	03/06/2025_4	3280	3525	4	2030-10-16 19:00:00	2030-09-30 13:00:00	7	283.5	117.2	0.9	830.7	795.4	17.1	0.9
9043	03/06/2025_4	3280	3525	4	2030-10-17 19:00:00	2030-09-30 14:00:00	7	269.1	120.8	0.8	845.3	751.4	7.8	0.9
9044	03/06/2025_4	3280	3525	4	2030-10-18 19:00:00	2030-09-30 15:00:00	6	263.4	141.8	0.6	770.1	734.2	37.5	0.9
9045	03/06/2025_4	3280	3525	4	2030-10-19 19:00:00	2030-09-30 15:00:00	6	268.8	131.9	0.9	770.3	672.3	69.7	0.9
9046	03/06/2025_4	3280	3525	4	2030-10-20 19:00:00	2030-09-30 15:00:00	6	267.3	117.5	0.8	841.9	660.5	77.7	0.9
9047	03/06/2025_4	3280	3525	4	2030-10-21 19:00:00	2030-09-30 14:00:00	7	288.8	117.0	0.8	848.4	740.8	96.9	0.9
9048	03/06/2025_4	3280	3525	4	2030-10-22 19:00:00	2030-09-30 14:00:00	7	265.2	105.8	0.8	885.2	797.7	6.7	0.9
9049	03/06/2025_4	3280	3525	4	2030-10-23 19:00:00	2030-10-01 14:00:00	6	264.0	116.2	0.7	884.8	725.5	8.6	0.9
9050	03/06/2025_4	3280	3525	4	2030-10-24 19:00:00	2030-10-04 13:00:00	6	269.4	113.7	0.6	853.7	734.2	72.9	0.9
9051	03/06/2025_4	3280	3525	4	2030-10-25 19:00:00	2030-10-05 13:00:00	6	277.2	125.1	0.7	765.4	654.6	89.7	0.9
9052	03/06/2025_4	3280	3525	4	2030-10-26 19:00:00	2030-10-06 14:00:00	6	260.5	140.0	0.6	765.3	699.8	45.1	0.9
9053	03/06/2025_4	3280	3525	4	2030-10-27 19:00:00	2030-10-07 14:00:00	7	253.4	153.9	0.6	814.6	713.1	25.5	0.9
9054	03/06/2025_4	3280	3525	4	2030-10-28 19:00:00	2030-10-08 14:00:00	7	253.7	140.6	0.6	730.4	681.4	9.1	0.9
9055	03/06/2025_4	3280	3525	4	2030-10-29 19:00:00	2030-10-09 13:00:00	7	288.8	131.8	0.8	858.8	647.3	64.1	0.9
9056	03/06/2025_4	3280	3525	4	2030-10-30 19:00:00	2030-10-10 13:00:00	7	291.3	127.6	0.6	845.1	721.9	18.8	0.9
9057	03/06/2025_4	3280	3525	4	2030-10-31 19:00:00	2030-10-11 13:00:00	7	280.3	134.5	0.7	851.3	715.4	9.8	0.9
9058	03/06/2025_4	3280	3525	4	2030-11-01 19:00:00	2030-10-21 13:00:00	7	98.3	91.7	0.2	795.8	857.8	5.3	0.9
9059	03/06/2025_4	3280	3525	4	2030-11-02 19:00:00	2030-10-22 13:00:00	7	92.5	94.2	0.3	880.4	851.8	2.8	0.9
9060	03/06/2025_4	3280	3525	4	2030-11-03 19:00:00	2030-10-23 13:00:00	7	99.8	97.3	0.4	899.7	872.8	2.5	0.9
9061	03/06/2025_4	3280	3525	4	2030-11-04 19:00:00	2030-10-24 13:00:00	7	104.9	104.7	0.5	859.4	863.3	5.8	0.9
9062	03/06/2025_4	3280	3525	4	2030-11-05 19:00:00	2030-10-25 13:00:00	7	128.5	95.6	0.5	829.3	832.6	17.3	0.9
9063	03/06/2025_4	3280	3525	4	2030-11-06 19:00:00	2030-10-26 13:00:00	7	134.5	81.7	0.5	841.8	885.7	17.3	0.9
9064	03/06/2025_4	3280	3525	4	2030-11-07 19:00:00	2030-10-27 13:00:00	7	103.4	75.6	0.5	837.1	894.1	40.9	0.9
9065	03/06/2025_4	3280	3525	4	2030-11-08 19:00:00	2030-10-28 13:00:00	7	97.8	91.0	0.3	949.9	907.9	5.5	0.9
9066	03/06/2025_4	3280	3525	4	2030-11-09 19:00:00	2030-10-29 13:00:00	7	94.0	89.0	0.3	875.8	948.6	1.4	0.9
9067	03/06/2025_4	3280	3525	4	2030-11-10 08:00:00	2030-11-01 13:00:00	5	116.7	94.4	0.5	797.1	918.7	8.1	0.9
9068	03/06/2025_4	3280	3525	4	2030-11-10 08:00:00	2030-11-01 13:00:00	5	83.8	93.4	0.4	833.6	962.8	29.8	0.9
9069	03/06/2025_4	3280	3525	4	2030-11-11 08:00:00	2030-11-03 13:00:00	5	87.2	85.1	0.3	814.5	884.7	3.9	0.9
9070	03/06/2025_4	3280	3525	4	2030-11-12 08:00:00	2030-11-03 13:00:00	5	73.2	90.9	0.3	799.9	839.8	19.7	0.9
9071	03/06/2025_4	3280	3525	4	2030-11-13 08:00:00	2030-11-04 13:00:00	5	93.5	79.7	0.3	764.7	838.3	3.7	0.9
9072	03/06/2025_4	3280	3525	4	2030-11-13 08:00:00	2030-11-05 13:00:00	5	87.5	79.4	0.5	787.2	839.9	18.9	0.9
9073	03/06/2025_4	3280	3525	4	2030-11-14 08:00:00	2030-11-06 14:00:00	7	96.4	73.2	0.3	846.1	902.7	0.9	0.9
9074	03/06/2025_4	3280	3525	4	2030-11-15 08:00:00	2030-11-07 14:00:00	7	85.3	75.9	0.3	787.9	889.8	17.3	0.9
9075	03/06/2025_4	3280	3525	4	2030-11-16 08:00:00	2030-11-07 13:00:00	5	108.0	109.0	0.6	754.8	880.0	24.5	0.9
9076	03/06/2025_4	3280	3525	4	2030-11-17 08:00:00	2030-11-08 13:00:00	5	130.9	102.4	0.5	757.9	882.6	26.3	0.9
9077	03/06/2025_4	3280	3525	4	2030-11-18 08:00:00	2030-11-10 13:00:00	5	138.4	113.1	0.7	764.5	892.1	14.5	0.9
9078	03/06/2025_4	3280	3525	4	2030-11-19 08:00:00	2030-11-10 13:00:00	5	107.7	96.3	0.5	778.3	943.2	33.6	0.9
9079	03/06/2025_4	3280	3525	4	2030-11-20 08:00:00	2030-11-11 13:00:00	5	98.5	86.8	0.5	768.4	947.6	20.0	0.9
9080	03/06/2025_4	3280	3525	4	2030-11-21 08:00:00	2030-11-11 21:00:00	4	3.9	3.3	0.0	657.6	925.9	13.8	0.9
9081	03/06/2025_4	3280	3525	4	2030-11-08 08:00:00	2030-11-14 13:00:00	5	119.4	81.0	0.4	764.7	943.0	13.4	0.9
9082	03/06/2025_4	3280	3525	4	2030-11-23 08:00:00	2030-11-15 13:00:00	4	93.3	95.3	0.3	758.8	938.7	20.1	0.9
9083	03/06/2025_4	3280	3525	4	2030-11-24 08:00:00	2030-11-16 13:00:00	4	98.0	94.3	0.3	745.8	950.3	9.0	0.9
9084	03/06/2025_4	3280	3525	4	2030-11-25 08:00:00	2030-11-17 13:00:00	4	81.9	99.8	0.3	735.7	999.9	10.5	0.9
9085	03/06/2025_4	3280	3525	4	2030-11-26 08:00:00	2030-11-18 13:00:00	4	82.8	89.8	0.3	749.9	982.9	19.5	0.9
9086	03/06/2025_4	3280	3525	4	2030-11-27 08:00:00	2030-11-19 13:00:00	4	98.1	85.1	0.4	711.8	894.0	32.9	0.9
9087	03/06/2025_4	3280	3525	4	2030-11-28 08:00:00	2030-11-20 13:00:00	4	79.5	77.8	0.4	695.8	871.8	41.8	0.9
9088	03/06/2025_4	3280	3525	4	2030-11-29 08:00:00	2030-11-20 14:00:00	4	68.2	74.8	0.4	756.1	896.9	13.5	0.9
9089	03/06/2025_4	3280	3525	4	2030-11-30 08:00:00	2030-11-21 13:00:00	4	121.5	98.5	0.4	736.8	896.3	19.4	0.9
9090	03/06/2025_4	3280	3525	4	2030-12-01 08:00:00	2030-12-01 00:00:00	1	1.9	1.5	0.0	647.2	0.0	8.8	0.9
9091	03/06/2025_4	3280	3525	4	2030-11-03 08:00:00	2030-12-03 13:00:00	5	64.4	46.3	0.2	708.3	899.0	0.0	0.9
9092	03/06/2025_4	3280	3525	4	2030-12-04 08:00:00	2030-12-04 13:00:00	5	72.0	52.2	0.3	768.7	978.1	13.7	0.9
9093	03/06/2025_4	3280	3525	4	2030-12-05 08:00:00	2030-12-05 13:00:00	5	90.2	96.2	0.4	775.9	965.4	49.1	0.9
9094	03/06/2025_4	3280	3525	4	2030-12-06 08:00:00	2030-12-06 13:00:00	5	13.5	15.8	0.0	728.5	914.6	8.8	0.9
9095	03/06/2025_4	3280	3525	4	2030-12-08 08:00:00	2030-12-08 13:00:00	5	53.2	38.6	0.1	454.2	0.0	25.4	0.9
9096	03/06/2025_4	3280	3525	4	2030-12-09 08:00:00	2030-12-09 13:00:00	5	37.8	37.8	0.0	653.3	949.9	0.0	0.9
9097	03/06/2025_4	3280	3525	4	2030-12-10 08:00:00	2030-12-10 13:00:00	5	61.1	54.5	0.2	525.8	0.0	4.3	0.9
9098	03/06/2025_4	3280	3525	4	2030-12-11 08:00:00	2030-12-11 16:00:00	5	82.8	60.3	0.3	347.2	0.0	17.8	0.9
9099	03/06/2025_4	3280	3525	4	2030-12-12 08:00:00	2030-12-12 14:00:00	5	152.9	108.2	0.4	661.4	977.3	61.1	0.9
9100	03/06/2025_4	3280	3525	4	2030-12-13 08:00:00	2030-12-13 14:00:00	5	137.5	103.8	0.6	784.2	958.7	11.8	0.9
9101	03/06/2025_4	3280	3525	4	2030-12-14 08:00:00	2030-12-14 14:00:00	7	93.6	51.0	0.4	743.0	978.4	8.7	0.9
9102	03/06/2025_4	3280	3525	4	2030-12-14 08:00:00	2030-12-14 13:00:00	5	107.3	75.6	0.5	681.9	904.2	3.0	0.9
9103	03/06/2025_4	3280	3525	4	2030-12-15 08:00:00	2030-12-15 09:00:00	2	7.4	6.1	0.0	894.8	0.0	13.1	0.9
9104	03/06/2025_4	3280	3525	4	2030-12-16 08:00:00	2030-12-16 14:00:00	5	109.2	49.4	0.2	608.7	824.0	18.3	0.9
9105	03/06/2025_4	3280	3525	4	2030-12-17 08:00:00	2030-12-17 09:00:00	2	17.4	17.2	0.1	557.0	0.0	73.6	0.9
9106	03/06/2025_4	3280	3525	4	2030-12-17 09:00:00	2030-12-17 14:00:00	5	64.7	48.8	0.2	608.7	824.0	37.5	0.9
9107	03/06/2025_4	3280	3525	4	2030-12-18 08:00:00	2030-12-18 14:00:00	5	69.8	77.5	0.3	808.3	972.3	18.9	0.9
9108	03/06/2025_4	3280	3525	4	2030-12-19 08:00:00	2030-12-19 14:00:00	5	153.1	62.9	0.3	817.1	979.6	6.8	0.9
9109	03/06/2025_4	3280	3525	4	2030-12-20 08:00:00	2030-12-20 13:00:00	5	59.1	77.3	0.4	761.2	934.6	3.6	0.9
9110	03/06/2025_4	3280	3525	4	2030-12-21 08:00:00	2030-12-21 14:00:00	5	51.0	9.5	0.0	534.3	0.0	47.3	0.9
9111	03/06/2025_4	3280	3525	4	2030-12-21 08:00:00	2030-12-21 11:00:00	4	34.2	34.0	0.1	733.3	733.3	74.0	0.9
9112	03/06/2025_4	3280	3525	4	2030-12-22 08:00:00	2030-12-22 13:00:00	5	21.7	16.4	0.0	536.3	0.0	25.6	0.9
9113	03/06/2025_4	3280	3525	4	2030-12-23 08:00:00	2030-12-23 11:00:00	4	33.2	33.1	0.2	808.5	934.2	16.8	0.9
9114	03/06/2025_4	3280	3525	4	2030-12-23 08:00:00	2030-12-23 13:00:00	5	118.6	65.9	0.4	817.3	897.3	18.9	0.9
9115	03/06/2025_4	3280	3525	4	2030-12-24 08:00:00	2030-12-24 13:00:00	5	106.5	69.6	0.5	787.0	974.4	11.8	0.9
9116	03/06/2025_4	3280	3525	4	2030-12-25 08:00:00	2030-12-25 13:00:00	5	50.6	58.6	0.3	709.8	957.6	4.2	0.9
9117	03/06/2025_4	3280	3525	4	2030-12-26 08:00:00	2030-12-26 14:00:00	7	36.7	33.6	0.4	708.1	923.1	16.7	0.9
9118	03/06/2025_4	3280	3525	4	2030-12-27 08:00:00	2030-12-27 14:00:00	7	85.3	49.3	0.3	779.5	936.9	47.6	0.9
9119	03/06/2025_4	3280	3525	4	2030-12-28 08:00:00	2030-12-28 14:00:00	7	98.6	79.1	0.5	726.0	976.7	13.3	0.9
9120	03/06/2025_4	3280	3525	4	2030-12-29 08:00:00	2030-12-29 14:00:00	7	80.6	91.3	0.4	855.8	978.2	14.2	0.9
9121	03/06/2025_4	3280	3525	4	2030-12-30 09:00:00	2030-12-30 13:00:00	5	110.5	69.9	0.4	864.2	948.3	3.0	0.9
9122	03/06/2025_4	3280	3525	4	2030-12-31 10:00:00	2030-12-31 13:00:00	5	41.6	79.2	0.1	847.3	939.8	126.6	0.9

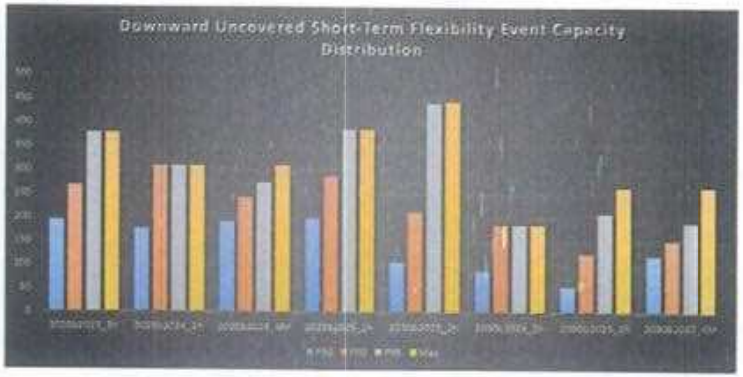
Scenario	Direction	P50 Event Capacity MW	P75 Event Capacity MW	P90 Event Capacity MW	P95 Event Capacity MW	P99 Event Capacity MW	Max Event Capacity MW	Number of Events
2028b2023_2h	Upward	151.0	179.7	227.3	258.8	258.8	412.3	728
2028b2023_2h	Downward	154.4	233.0	267.8	335.2	378.5	378.5	744
2028b2024_2h	Upward	106.3	132.9	151.1	198.5	203.6	353.5	890
2028b2024_2h	Downward	175.9	215.9	309.5	309.5	309.5	309.5	876
2028b2024_4hr	Upward	124.7	140.0	158.4	178.3	203.7	353.5	667
2028b2024_4hr	Downward	191.3	222.1	242.7	257.5	274.9	309.5	653
2028b2025_2h	Upward	98.1	121.2	154.6	154.6	213.1	281.2	903
2028b2025_2h	Downward	198.5	237.4	287.5	385.9	385.9	385.9	736
2030b2023_2h	Upward	92.6	126.1	341.0	431.2	491.2	491.2	743
2030b2023_2h	Downward	106.3	154.6	212.0	334.4	440.9	444.4	593
2030b2024_2h	Upward	209.0	477.2	581.7	632.8	631.8	632.8	549
2030b2024_2h	Downward	88.2	148.7	185.4	185.4	185.4	185.4	532
2030b2025_2h	Upward	64.2	83.6	172.0	285.7	350.8	350.8	500
2030b2025_2h	Downward	55.2	84.2	124.2	152.7	209.5	265.0	429
2030b2025_4hr	Upward	126.5	147.8	171.5	178.0	184.8	302.6	411
2030b2025_4hr	Downward	120.5	139.3	153.0	171.6	190.8	265.0	379

Article 10.6.b Note:

According to **Article 10(6)(b)**, a probability distribution of the capacity of uncovered short-term flexibility needs events shall be provided. In this table, the capacity distribution is represented through selected percentiles of the event capacity per scenario and direction. The event capacity is defined as the **average uncovered capacity** within each identified event. The maximum hourly uncovered capacity observed within the events is also reported separately as the maximum event capacity. This provides a compact representation of the distribution of upward and downward uncovered short-term flexibility need event sizes.



The charts provide a visual representation of the event capacity distribution required under Article 10(6)(b). The percentiles represent the distribution of **average uncovered capacity per event**, while the maximum value shows the highest hourly uncovered capacity observed within the events for each scenario and direction.



Scenario	Corr Upward Need vs Load	Corr Upward Need vs PV	Corr Upward Need vs Wind	Corr Downward Need vs Load	Corr Downward Need vs PV	Corr Downward Need vs Wind
2028b2023_2h	0.0	-0.7	0.0	0.1	0.8	0.0
2028b2024_2h	0.1	-0.6	0.0	0.1	0.8	-0.1
2028b2024_4hr	0.1	-0.6	0.0	0.1	0.8	-0.1
2028b2025_2h	0.1	-0.5	-0.1	0.0	0.8	0.0
2030b2023_2h	0.1	-0.4	0.0	0.1	0.8	0.0
2030b2024_2h	0.0	-0.6	0.0	0.0	0.5	-0.1
2030b2025_2h	0.1	-0.2	0.0	0.1	0.6	-0.1
2030b2025_4hr	0.2	-0.4	0.1	0.3	0.8	-0.1

According to **Article 10(6)(g)**, the uncovered short-term flexibility needs shall be correlated with specific system conditions, including at least wind generation, solar generation and demand. The present table reports the correlation coefficients between uncovered upward and downward short-term flexibility needs and the corresponding system conditions for each scenario.

The correlation **coefficients range from -1 to +1. A positive value** indicates that the uncovered need tends to increase when the corresponding system variable increases, while **a negative value** indicates an inverse relationship. Values close **to zero indicate weak or no linear relationship**.

The analysis shows that **downward uncovered short-term flexibility needs** are strongly **associated with PV generation** in most scenarios, which is consistent with high solar generation reducing residual load and increasing the requirement for downward flexibility. **Upward uncovered needs** generally show a **negative relationship with PV generation and weaker relationships with load and wind generation.**

Sub-Article	Requirement	Implementation	Status
10(7)	Determine unavailability due to grid prequalification / temporary limits where relevant and data are available	No quantified hourly unavailability time series or derating factors were applied at this stage	Not applied
10(8)	Repeat Article 10(2)–10(6) with derated residual margins if fine-tuning is required	Not repeated because no derating factors were applied	Not applicable
10(9)	Report derated residual margins	No separate derated residual margin time series is reported	Not applicable
10(10)	Alternative approach if economic dispatch embeds forecast errors	Not used; percentile-based RLFE approach under Article 10(1) was applied	Not applicable

A10_Finetuning (10.7-10.10)

Articles 10(7)–10(9) relate to the fine-tuning of short-term flexibility needs by reflecting the unavailability of flexible resources due to grid prequalification or temporary limits. In the present assessment, **no quantified hourly unavailability time series or derating factors were available/applied** for this purpose. Therefore, the Article **10(2)–10(6) calculations were not repeated with derated residual margins, and no separate derated residual margin time series is reported under Article 10(9).**

Article 10(10) is not applicable to the current implementation, as the short-term flexibility needs were **not extracted directly from an economic dispatch simulation embedding forecast errors**. Instead, the short-term needs were calculated separately from residual load forecast error percentiles under Article 10(1) and then compared with UCED-based residual margins under Article 10(4).

APPENDIX II

Line number	Direction of need	Target year	Time block	Spatial granularity	Voltage level of congestion or voltage issue	Type of value	Network flexibility needs	Share of downward flexibility needs pertaining to RES generation curtailment	Expected contractual means to access flexibility
1	Downwards	2030	Jan-Dec Mon-Sun: 19:00-22:00	Binding zone - Republic of Cyprus	medium voltage 11kV network	total energy over the year	4704MWh	100%	local service
						summation of maximum power	59.88MW		
2	Downwards	2028	Jan-Dec Mon-Sun: 06:00 - 19:00	Binding zone - Republic of Cyprus	medium voltage 11kV or 22kV network	total energy over the year	426MWh	100%	flexible connection agreements
						summation of maximum power	142MW		
3	Downwards	2030	Jan-Dec Mon-Sun: 06:00 - 19:00	Binding zone - Republic of Cyprus	medium voltage 11kV or 22kV network	total energy over the year	759MWh	100%	flexible connection agreements
						summation of maximum power	253MW		