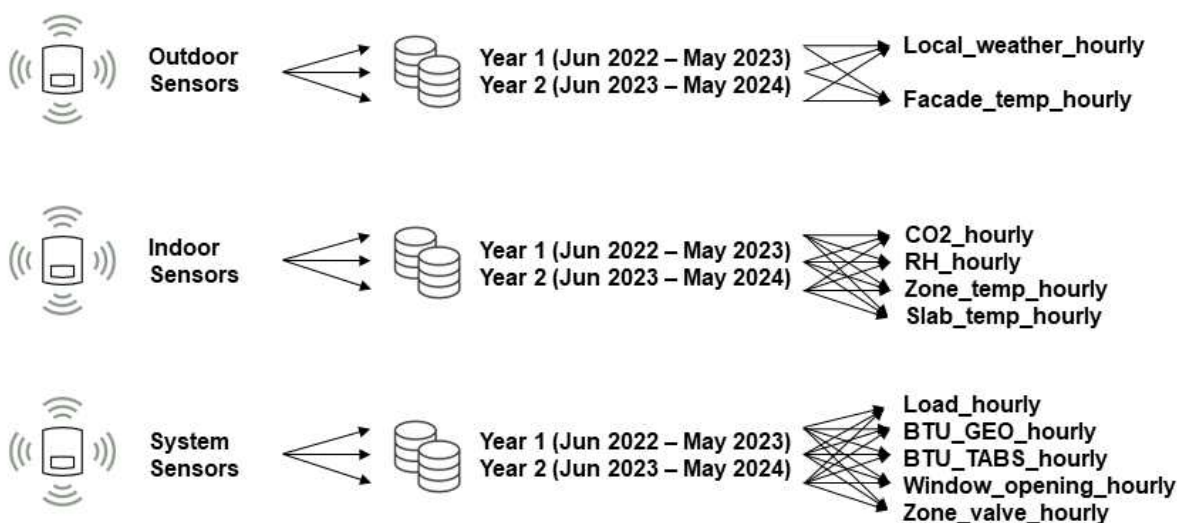


# Data Report

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As illustrated in the figure below, the dataset is organized in a double three-layer subfolder structure.



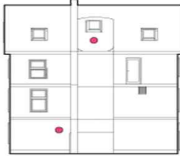



## Time-series data

The time-series data collected from HouseZero® is organized into three major categories: outdoor sensor data, indoor environmental data, and systems and operational data. Following data processing, the dataset is compiled into 22 separate CSV files, capturing information from 189 sensors and meters. The three tables below summarize the available data points, their locations in HouseZero, and the periods covered during the two-year measurement.

Times are recorded in Cambridge local time, accounting for daylight savings. In the timestamps, (-04:00) denotes Eastern Daylight Time (summer), and (-05:00) denotes Eastern Standard Time (winter).

## 1) Outdoor Sensors

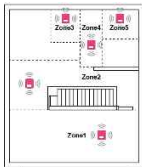
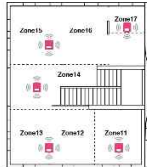
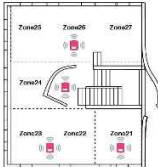
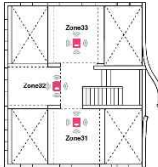
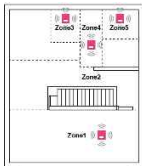
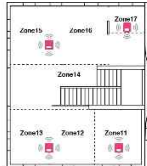
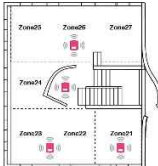
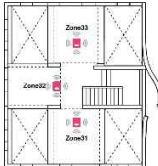
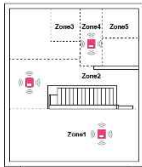
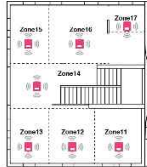
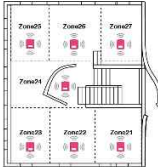
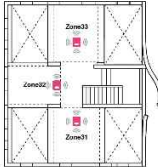
Sensors			Number of Sensors	Available Period
Outdoor sensors	Localized weather stations	Air temperature	1	06/01/22–05/31/24
		Relative humidity	1	06/01/22–05/31/24
		Wind speed	2	06/01/22–05/31/24
		Wind direction	2	06/01/22–05/31/24
		Rain	1	06/01/22–05/31/24
		Solar radiation	1	06/01/22–05/31/24
	Building façade	Façade temperature	9	06/01/22–05/31/24
		<div><div><p>North</p></div><div><p>West</p></div><div><p>East</p></div><div><p>South</p></div></div>		

### Building façade missing periods

Year 1		
Point names	Start date	End date
East_facade_high_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
East_facade_high_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
East_facade_high_temp	2022-12-16 03:00:00-05:00	2023-05-31 23:00:00-04:00
East_facade_low_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
East_facade_low_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
East_facade_low_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
North_facade_high_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
North_facade_high_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
North_facade_high_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
North_facade_low_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
North_facade_low_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
North_facade_low_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
South_facade_high_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
South_facade_high_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
South_facade_high_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
South_facade_low_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
South_facade_low_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00

South_facade_low_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
South_facade_mid_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
South_facade_mid_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
South_facade_mid_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
West_facade_high_left_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
West_facade_high_left_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
West_facade_high_left_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
West_facade_high_right_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
West_facade_high_right_temp	2022-08-19 22:00:00-04:00	2022-08-22 12:00:00-04:00
West_facade_high_right_temp	2023-02-03 21:00:00-05:00	2023-02-04 07:00:00-05:00
<b>Year 2</b>		
<b>Point names</b>	<b>Start date</b>	<b>End date</b>
East_facade_high_temp	2023-06-01 00:00:00-04:00	2024-03-31 23:00:00-04:00
South_facade_low_temp	2023-07-04 18:00:00-04:00	2023-07-05 13:00:00-04:00
South_facade_low_temp	2023-12-29 22:00:00-05:00	2024-01-04 12:00:00-05:00
South_facade_mid_temp	2023-07-16 13:00:00-04:00	2023-07-17 10:00:00-04:00
South_facade_mid_temp	2023-07-22 11:00:00-04:00	2023-08-02 01:00:00-04:00
South_facade_mid_temp	2023-08-02 04:00:00-04:00	2023-08-03 07:00:00-04:00
South_facade_mid_temp	2023-08-04 13:00:00-04:00	2023-08-05 15:00:00-04:00
South_facade_mid_temp	2023-08-06 08:00:00-04:00	2023-08-06 23:00:00-04:00
South_facade_mid_temp	2023-08-07 05:00:00-04:00	2023-08-16 09:00:00-04:00

## 2) Indoor Sensors

Sensors		Number of Sensors	Available Period	
Indoor sensors	Indoor environment	Air temperature	17	06/01/22–05/31/24
		<div><div><p>Level 0</p></div><div><p>Level 1</p></div><div><p>Level 2</p></div><div><p>Level 3</p></div></div>		
		Relative humidity	15	06/01/22–05/31/24
		CO <sub>2</sub> concentration	15	06/01/22–05/31/24
	Building structure	<div><div><p>Level 0</p></div><div><p>Level 1</p></div><div><p>Level 2</p></div><div><p>Level 3</p></div></div>		
		Slab temperature	20	06/01/22–05/31/24
	Building structure		<div><div><p>Level 0</p></div><div><p>Level 1</p></div><div><p>Level 2</p></div><div><p>Level 3</p></div></div>	

### CO<sub>2</sub> concentration missing periods

Year 1		
Point names	Start date	End date
Z11_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z11_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z11_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z11_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z11_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00

Z11_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z11_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z11_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z11_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z11_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z11_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z11_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z11_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z11_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z11_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z11_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z11_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z11_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z11_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z11_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z11_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z11_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z11_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z11_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z11_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z11_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z12+13_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z12+13_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z12+13_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z12+13_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z12+13_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z12+13_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z12+13_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z12+13_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z12+13_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z12+13_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z12+13_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z12+13_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z12+13_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z12+13_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z12+13_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z12+13_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z12+13_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z12+13_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z12+13_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z12+13_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z12+13_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z12+13_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00

Z12+13_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z12+13_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z12+13_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z12+13_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z15+16_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z15+16_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z15+16_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z15+16_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z15+16_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z15+16_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z15+16_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z15+16_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z15+16_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z15+16_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z15+16_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z15+16_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z15+16_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z15+16_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z15+16_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z15+16_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z15+16_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z15+16_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z15+16_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z15+16_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z15+16_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z15+16_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z15+16_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z15+16_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z15+16_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z15+16_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z17_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z17_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z17_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z17_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z17_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z17_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z17_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z17_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z17_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z17_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z17_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z17_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z17_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00

Z17_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z17_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z17_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z17_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z17_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z17_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z17_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z17_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z17_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z17_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z17_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z17_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z17_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z1_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z1_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z1_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z1_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z1_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z1_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z1_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z1_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z1_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z1_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z1_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z1_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z1_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z1_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z1_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z1_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z1_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z1_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z1_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z1_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z1_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z1_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z1_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z1_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z1_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z1_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z21_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z21_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z21_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z21_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00

Z21_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z21_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z21_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z21_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z21_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z21_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z21_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z21_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z21_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z21_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z21_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z21_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z21_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z21_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z21_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z21_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z21_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z21_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z21_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z21_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z21_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z21_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z22+23_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z22+23_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z22+23_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z22+23_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z22+23_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z22+23_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z22+23_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z22+23_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z22+23_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z22+23_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z22+23_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z22+23_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z22+23_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z22+23_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z22+23_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z22+23_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z22+23_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z22+23_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z22+23_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z22+23_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z22+23_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00



Z22+23_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z22+23_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z22+23_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z22+23_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z22+23_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z24_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z24_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z24_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z24_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z24_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z24_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z24_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z24_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z24_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z24_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z24_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z24_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z24_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z24_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z24_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z24_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z24_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z24_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z24_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z24_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z24_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z24_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z24_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z24_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z24_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z24_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00

Z25+26+27_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z25+26+27_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z25+26+27_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z25+26+27_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z25+26+27_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z25+26+27_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z25+26+27_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z25+26+27_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z25+26+27_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z25+26+27_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z31_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z31_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z31_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z31_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z31_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z31_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z31_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z31_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z31_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z31_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z31_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z31_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z31_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z31_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z31_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z31_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z31_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z31_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z31_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z31_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z31_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z31_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z31_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z31_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z31_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z31_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z32_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z32_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z32_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00

Z32_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z32_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z32_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z32_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z32_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z32_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z32_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z32_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z32_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z32_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z32_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z32_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z32_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z32_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z32_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z32_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z32_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z32_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z32_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z32_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z32_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z32_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z32_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z33_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z33_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z33_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z33_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z33_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z33_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z33_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z33_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z33_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z33_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z33_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z33_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z33_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z33_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z33_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z33_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z33_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z33_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z33_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z33_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00

Z33_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z33_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z33_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z33_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z33_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z33_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z3_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z3_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z3_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z3_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z3_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z3_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z3_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z3_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z3_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z3_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z3_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z3_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z3_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z3_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z3_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z3_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z3_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z3_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z3_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z3_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z3_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z3_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z3_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z3_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z3_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z3_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z4_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z4_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z4_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z4_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z4_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z4_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z4_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z4_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z4_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z4_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z4_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00

Z4_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z4_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z4_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z4_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z4_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z4_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z4_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z4_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z4_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z4_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z4_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z4_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z4_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z4_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z4_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
Z5_CO2 (ppm)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z5_CO2 (ppm)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z5_CO2 (ppm)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z5_CO2 (ppm)	2022-07-05 10:00:00-04:00	2022-07-05 10:00:00-04:00
Z5_CO2 (ppm)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z5_CO2 (ppm)	2022-07-21 15:00:00-04:00	2022-07-21 15:00:00-04:00
Z5_CO2 (ppm)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z5_CO2 (ppm)	2022-08-02 15:00:00-04:00	2022-08-02 15:00:00-04:00
Z5_CO2 (ppm)	2022-08-03 09:00:00-04:00	2022-08-03 09:00:00-04:00
Z5_CO2 (ppm)	2022-08-03 15:00:00-04:00	2022-08-03 15:00:00-04:00
Z5_CO2 (ppm)	2022-08-19 10:00:00-04:00	2022-08-19 10:00:00-04:00
Z5_CO2 (ppm)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z5_CO2 (ppm)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z5_CO2 (ppm)	2022-10-03 12:00:00-04:00	2022-10-03 13:00:00-04:00
Z5_CO2 (ppm)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z5_CO2 (ppm)	2022-10-21 10:00:00-04:00	2022-10-21 10:00:00-04:00
Z5_CO2 (ppm)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z5_CO2 (ppm)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z5_CO2 (ppm)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z5_CO2 (ppm)	2023-01-24 12:00:00-05:00	2023-01-24 17:00:00-05:00
Z5_CO2 (ppm)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z5_CO2 (ppm)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z5_CO2 (ppm)	2023-02-06 16:00:00-05:00	2023-02-06 16:00:00-05:00
Z5_CO2 (ppm)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z5_CO2 (ppm)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z5_CO2 (ppm)	2023-05-27 04:00:00-04:00	2023-05-27 04:00:00-04:00
<b>Year 2</b>		
<b>Point names</b>	<b>Start date</b>	<b>End date</b>

[illegible]

Z21_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z21_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z21_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z21_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z21_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z22+23_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z22+23_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z22+23_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z22+23_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z22+23_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z22+23_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z22+23_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z22+23_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z24_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z24_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z24_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z24_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z24_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z24_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z24_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z24_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z25+26+27_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z25+26+27_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z25+26+27_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z25+26+27_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z25+26+27_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z25+26+27_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z25+26+27_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z25+26+27_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z31_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z31_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z31_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z31_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z31_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z31_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z31_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z31_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z32_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z32_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z32_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z32_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z32_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z32_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00

Z32_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z32_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z33_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z33_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z33_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z33_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z33_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z33_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z33_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z33_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z3_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z3_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z3_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z3_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z3_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z3_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z3_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z3_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z4_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z4_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z4_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z4_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z4_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z4_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z4_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z4_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00
Z5_CO2 (ppm)	2023-06-13 14:00:00-04:00	2023-06-13 14:00:00-04:00
Z5_CO2 (ppm)	2023-07-29 04:00:00-04:00	2023-07-29 05:00:00-04:00
Z5_CO2 (ppm)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z5_CO2 (ppm)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z5_CO2 (ppm)	2023-10-04 11:00:00-04:00	2023-10-04 11:00:00-04:00
Z5_CO2 (ppm)	2024-02-26 14:00:00-05:00	2024-02-26 18:00:00-05:00
Z5_CO2 (ppm)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z5_CO2 (ppm)	2024-03-28 15:00:00-04:00	2024-03-28 16:00:00-04:00

## Relative humidity missing periods

Year 1		
Point names	Start date	End date
Z11_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z11_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00



Z11_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z11_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z11_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z11_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z11_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z11_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z11_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z11_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z11_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z11_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z11_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z11_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z11_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z11_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z11_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z11_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z12+13_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z12+13_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z12+13_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z12+13_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z12+13_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z12+13_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z12+13_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z12+13_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z12+13_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z12+13_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z12+13_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z12+13_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z12+13_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z12+13_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z12+13_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z12+13_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z12+13_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z12+13_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z15+16_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z15+16_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z15+16_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z15+16_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z15+16_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z15+16_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z15+16_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z15+16_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z15+16_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00

Z15+16_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z15+16_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z15+16_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z15+16_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z15+16_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z15+16_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z15+16_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z15+16_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z15+16_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z17_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z17_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z17_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z17_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z17_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z17_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z17_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z17_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z17_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z17_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z17_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z17_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z17_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z17_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z17_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z17_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z17_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z17_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z1_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z1_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z1_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z1_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z1_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z1_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z1_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z1_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z1_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z1_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z1_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z1_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z1_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z1_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z1_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z1_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00

Z1_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z1_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z21_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z21_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z21_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z21_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z21_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z21_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z21_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z21_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z21_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z21_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z21_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z21_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z21_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z21_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z21_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z21_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z21_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z21_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z22+23_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z22+23_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z22+23_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z22+23_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z22+23_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z22+23_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z22+23_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z22+23_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z22+23_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z22+23_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z22+23_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z22+23_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z22+23_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z22+23_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z22+23_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z22+23_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z22+23_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z22+23_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z24_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z24_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z24_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z24_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z24_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00

Z24_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z24_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z24_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z24_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z24_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z24_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z24_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z24_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z24_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z24_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z24_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z24_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z24_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z25+26+27_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z25+26+27_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z25+26+27_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z25+26+27_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z25+26+27_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z25+26+27_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z25+26+27_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z25+26+27_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z25+26+27_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z25+26+27_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z25+26+27_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z25+26+27_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z25+26+27_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z25+26+27_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z25+26+27_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z25+26+27_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z25+26+27_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z25+26+27_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z31_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z31_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z31_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z31_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z31_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z31_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z31_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z31_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z31_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z31_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z31_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z31_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00

Z31_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z31_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z31_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z31_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z31_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z31_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z32_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z32_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z32_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z32_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z32_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z32_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z32_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z32_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z32_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z32_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z32_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z32_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z32_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z32_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z32_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z32_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z32_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z32_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z33_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z33_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z33_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z33_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z33_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z33_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z33_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z33_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z33_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z33_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z33_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z33_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z33_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z33_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z33_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z33_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z33_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z33_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z3_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00

Z3_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z3_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z3_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z3_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z3_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z3_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z3_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z3_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z3_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z3_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z3_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z3_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z3_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z3_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z3_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z3_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z3_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z4_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z4_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z4_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z4_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z4_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z4_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z4_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z4_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z4_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z4_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z4_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z4_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z4_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z4_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z4_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z4_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z4_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z4_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z5_RH(%)	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z5_RH(%)	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z5_RH(%)	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z5_RH(%)	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z5_RH(%)	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z5_RH(%)	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z5_RH(%)	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z5_RH(%)	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00

Z5_RH(%)	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z5_RH(%)	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z5_RH(%)	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z5_RH(%)	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z5_RH(%)	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z5_RH(%)	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z5_RH(%)	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z5_RH(%)	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z5_RH(%)	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z5_RH(%)	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Year 2		
Point names	Start date	End date
Z11_RH(%)	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z11_RH(%)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z11_RH(%)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z11_RH(%)	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z11_RH(%)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z12+13_RH(%)	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z12+13_RH(%)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z12+13_RH(%)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z12+13_RH(%)	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z12+13_RH(%)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z15+16_RH(%)	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z15+16_RH(%)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z15+16_RH(%)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z15+16_RH(%)	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z15+16_RH(%)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z17_RH(%)	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z17_RH(%)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z17_RH(%)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z17_RH(%)	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z17_RH(%)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z1_RH(%)	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z1_RH(%)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z1_RH(%)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z1_RH(%)	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z1_RH(%)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z21_RH(%)	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z21_RH(%)	2023-09-05 14:00:00-04:00	2023-09-06 16:00:00-04:00
Z21_RH(%)	2023-09-06 18:00:00-04:00	2023-09-07 08:00:00-04:00
Z21_RH(%)	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z21_RH(%)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z22+23_RH(%)	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00

[illegible]



Z5_RH(%)	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
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## Air temperature missing periods

Year 1		
Point names	Start date	End date
Z11_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z11_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z11_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z11_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z11_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z11_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z11_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z11_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z11_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z11_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z11_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z11_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z11_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z11_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z11_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z11_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z11_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z11_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z12+13_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z12+13_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z12+13_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z12+13_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z12+13_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z12+13_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z12+13_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z12+13_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z12+13_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z12+13_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z12+13_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z12+13_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z12+13_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z12+13_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z12+13_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z12+13_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z12+13_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z12+13_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00

Z14_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z14_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z14_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z14_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z14_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z14_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z14_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z14_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z14_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z14_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z14_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z14_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z14_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z14_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z14_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z14_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z14_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z14_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z15+16_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z15+16_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z15+16_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z15+16_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z15+16_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z15+16_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z15+16_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z15+16_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z15+16_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z15+16_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z15+16_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z15+16_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z15+16_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z15+16_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z15+16_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z15+16_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z15+16_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z15+16_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z17_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z17_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z17_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z17_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z17_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z17_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z17_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00

Z17_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z17_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z17_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z17_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z17_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z17_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z17_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z17_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z17_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z17_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z17_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z1_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z1_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z1_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z1_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z1_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z1_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z1_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z1_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z1_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z1_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z1_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z1_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z1_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z1_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z1_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z1_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z1_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z1_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z21_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z21_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z21_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z21_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z21_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z21_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z21_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z21_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z21_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z21_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z21_temp	2022-12-17 04:00:00-05:00	2022-12-17 18:00:00-05:00
Z21_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z21_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z21_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00

Z21_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z21_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z21_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z21_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z22+23_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z22+23_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z22+23_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z22+23_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z22+23_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z22+23_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z22+23_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z22+23_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z22+23_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z22+23_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z22+23_temp	2022-12-17 04:00:00-05:00	2022-12-17 18:00:00-05:00
Z22+23_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z22+23_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z22+23_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z22+23_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z22+23_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z22+23_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z22+23_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z24_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z24_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z24_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z24_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
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Z24_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z24_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z24_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
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Z24_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z24_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z24_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z24_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z24_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z24_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z24_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z25+26+27_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z25+26+27_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z25+26+27_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00

Z25+26+27_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z25+26+27_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z25+26+27_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z25+26+27_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z25+26+27_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z25+26+27_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
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Z25+26+27_temp	2022-12-17 04:00:00-05:00	2022-12-17 18:00:00-05:00
Z25+26+27_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z25+26+27_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z25+26+27_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z25+26+27_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z25+26+27_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z25+26+27_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z25+26+27_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z2_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z2_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z2_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z2_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z2_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z2_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z2_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z2_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z2_temp	2022-10-27 12:00:00-04:00	2022-10-28 04:00:00-04:00
Z2_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z2_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z2_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z2_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z2_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
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Z2_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
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Z31_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z31_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z31_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z31_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
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Z31_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z31_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00

Z31_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z31_temp	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z31_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
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Z31_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z31_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
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Z32_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z32_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z32_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z32_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z32_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z32_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z32_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z32_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
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Z32_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z32_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
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Z32_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z32_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
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Z32_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z33_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z33_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z33_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z33_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z33_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z33_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z33_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z33_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z33_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z33_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z33_temp	2022-12-17 04:00:00-05:00	2022-12-17 12:00:00-05:00
Z33_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z33_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z33_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z33_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z33_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00

Z33_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z33_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z3_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z3_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z3_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z3_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z3_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z3_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z3_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z3_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z3_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z3_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z3_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z3_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z3_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z3_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z3_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z3_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z3_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z3_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z4_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z4_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z4_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z4_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z4_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00
Z4_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z4_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z4_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z4_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z4_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z4_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z4_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z4_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z4_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z4_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z4_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z4_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z4_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
Z5_temp	2022-06-04 03:00:00-04:00	2022-06-05 07:00:00-04:00
Z5_temp	2022-06-16 16:00:00-04:00	2022-06-16 16:00:00-04:00
Z5_temp	2022-07-02 04:00:00-04:00	2022-07-02 12:00:00-04:00
Z5_temp	2022-07-19 16:00:00-04:00	2022-07-21 04:00:00-04:00
Z5_temp	2022-07-30 04:00:00-04:00	2022-07-30 19:00:00-04:00

Z5_temp	2022-08-27 04:00:00-04:00	2022-08-27 07:00:00-04:00
Z5_temp	2022-10-01 04:00:00-04:00	2022-10-01 10:00:00-04:00
Z5_temp	2022-10-19 15:00:00-04:00	2022-10-20 04:00:00-04:00
Z5_temp	2022-10-29 04:00:00-04:00	2022-10-29 11:00:00-04:00
Z5_temp	2022-11-26 04:00:00-05:00	2022-11-26 08:00:00-05:00
Z5_temp	2022-11-30 23:00:00-05:00	2022-12-31 23:00:00-05:00
Z5_temp	2023-01-24 12:00:00-05:00	2023-01-24 16:00:00-05:00
Z5_temp	2023-01-28 04:00:00-05:00	2023-01-28 09:00:00-05:00
Z5_temp	2023-01-28 13:00:00-05:00	2023-01-28 13:00:00-05:00
Z5_temp	2023-02-06 15:00:00-05:00	2023-02-06 16:00:00-05:00
Z5_temp	2023-02-13 19:00:00-05:00	2023-02-14 08:00:00-05:00
Z5_temp	2023-04-01 04:00:00-04:00	2023-04-01 05:00:00-04:00
Z5_temp	2023-05-27 03:00:00-04:00	2023-05-27 04:00:00-04:00
<b>Year 2</b>		
<b>Point names</b>	<b>Start date</b>	<b>End date</b>
Z11_temp	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z11_temp	2023-09-05 14:00:00-04:00	2023-09-07 08:00:00-04:00
Z11_temp	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z11_temp	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z12+13_temp	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z12+13_temp	2023-09-05 14:00:00-04:00	2023-09-07 08:00:00-04:00
Z12+13_temp	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z12+13_temp	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z14_temp	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z14_temp	2023-09-05 14:00:00-04:00	2023-09-07 08:00:00-04:00
Z14_temp	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z14_temp	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z15+16_temp	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z15+16_temp	2023-09-05 14:00:00-04:00	2023-09-07 08:00:00-04:00
Z15+16_temp	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z15+16_temp	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z17_temp	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z17_temp	2023-09-05 14:00:00-04:00	2023-09-07 08:00:00-04:00
Z17_temp	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z17_temp	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z1_temp	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z1_temp	2023-09-05 14:00:00-04:00	2023-09-07 08:00:00-04:00
Z1_temp	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z1_temp	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00
Z21_temp	2023-07-29 04:00:00-04:00	2023-07-29 04:00:00-04:00
Z21_temp	2023-09-05 14:00:00-04:00	2023-09-07 08:00:00-04:00
Z21_temp	2024-02-26 14:00:00-05:00	2024-02-26 17:00:00-05:00
Z21_temp	2024-03-02 05:00:00-05:00	2024-03-02 05:00:00-05:00



[illegible]

## Slab temperature missing periods

Year 1		
Point names	Start date	End date
Z11_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z11_temp	2022-07-16 10:00:00-04:00	2022-07-16 22:00:00-04:00
Z11_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z11_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z11_temp	2022-10-04 20:00:00-04:00	2022-10-05 15:00:00-04:00
Z11_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z11_temp	2022-10-24 10:00:00-04:00	2022-10-25 08:00:00-04:00
Z11_temp	2022-11-01 17:00:00-04:00	2022-11-02 11:00:00-04:00
Z11_temp	2022-11-05 20:00:00-04:00	2022-11-06 08:00:00-05:00
Z11_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z11_temp	2023-04-10 12:00:00-04:00	2023-04-11 01:00:00-04:00
Z11_temp	2023-04-16 06:00:00-04:00	2023-04-16 19:00:00-04:00
Z12_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z12_temp	2022-06-26 22:00:00-04:00	2022-06-27 14:00:00-04:00
Z12_temp	2022-07-11 11:00:00-04:00	2022-07-12 00:00:00-04:00
Z12_temp	2022-07-18 03:00:00-04:00	2022-07-18 17:00:00-04:00
Z12_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z12_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z12_temp	2022-09-11 20:00:00-04:00	2022-09-12 15:00:00-04:00
Z12_temp	2022-10-17 23:00:00-04:00	2022-10-18 11:00:00-04:00
Z12_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z12_temp	2022-10-24 11:00:00-04:00	2022-10-25 01:00:00-04:00
Z12_temp	2022-10-31 20:00:00-04:00	2022-11-01 17:00:00-04:00
Z12_temp	2022-11-05 20:00:00-04:00	2022-11-06 10:00:00-05:00
Z12_temp	2022-11-06 20:00:00-05:00	2022-11-07 10:00:00-05:00
Z12_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z12_temp	2023-01-02 00:00:00-05:00	2023-01-02 20:00:00-05:00
Z12_temp	2023-01-04 12:00:00-05:00	2023-01-05 10:00:00-05:00
Z12_temp	2023-03-24 10:00:00-04:00	2023-03-25 01:00:00-04:00
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Z12_temp	2023-04-21 16:00:00-04:00	2023-04-22 05:00:00-04:00
Z12_temp	2023-04-25 19:00:00-04:00	2023-04-26 10:00:00-04:00
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Z12_temp	2023-05-04 07:00:00-04:00	2023-05-04 19:00:00-04:00
Z12_temp	2023-05-05 06:00:00-04:00	2023-05-05 22:00:00-04:00
Z12_temp	2023-05-06 00:00:00-04:00	2023-05-06 12:00:00-04:00

Z12_temp	2023-05-26 00:00:00-04:00	2023-05-26 12:00:00-04:00
Z13_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z13_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z13_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z13_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z13_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z13_temp	2023-04-11 20:00:00-04:00	2023-04-12 09:00:00-04:00
Z13_temp	2023-04-16 23:00:00-04:00	2023-04-17 19:00:00-04:00
Z14_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z14_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z14_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z14_temp	2022-10-17 07:00:00-04:00	2022-10-18 11:00:00-04:00
Z14_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z14_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z14_temp	2023-04-16 22:00:00-04:00	2023-04-17 21:00:00-04:00
Z14_temp	2023-04-29 03:00:00-04:00	2023-04-29 22:00:00-04:00
Z14_temp	2023-05-02 05:00:00-04:00	2023-05-03 01:00:00-04:00
Z15_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z15_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z15_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z15_temp	2022-10-04 15:00:00-04:00	2022-10-05 03:00:00-04:00
Z15_temp	2022-10-17 21:00:00-04:00	2022-10-18 09:00:00-04:00
Z15_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z15_temp	2022-10-23 11:00:00-04:00	2022-10-24 17:00:00-04:00
Z15_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z15_temp	2023-01-07 07:00:00-05:00	2023-01-07 19:00:00-05:00
Z15_temp	2023-04-18 08:00:00-04:00	2023-04-19 01:00:00-04:00
Z16_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z16_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z16_temp	2022-07-25 03:00:00-04:00	2022-07-25 17:00:00-04:00
Z16_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z16_temp	2022-09-10 17:00:00-04:00	2022-09-11 21:00:00-04:00
Z16_temp	2022-10-04 15:00:00-04:00	2022-10-05 11:00:00-04:00
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Z16_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z16_temp	2022-11-12 18:00:00-05:00	2022-11-13 06:00:00-05:00
Z16_temp	2023-05-06 19:00:00-04:00	2023-05-07 09:00:00-04:00
Z17_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z17_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z17_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z17_temp	2022-10-17 19:00:00-04:00	2022-10-18 08:00:00-04:00

Z17_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z17_temp	2022-10-23 12:00:00-04:00	2022-10-24 13:00:00-04:00
Z17_temp	2022-10-24 18:00:00-04:00	2022-10-25 09:00:00-04:00
Z17_temp	2022-10-29 09:00:00-04:00	2022-10-29 21:00:00-04:00
Z17_temp	2022-11-04 18:00:00-04:00	2022-11-05 08:00:00-04:00
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Z17_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z17_temp	2022-11-25 16:00:00-05:00	2022-11-26 04:00:00-05:00
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Z17_temp	2022-12-26 17:00:00-05:00	2022-12-27 09:00:00-05:00
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Z17_temp	2023-02-02 19:00:00-05:00	2023-02-03 07:00:00-05:00
Z17_temp	2023-03-17 16:00:00-04:00	2023-03-18 06:00:00-04:00
Z17_temp	2023-05-06 20:00:00-04:00	2023-05-07 09:00:00-04:00
Z1_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z1_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z1_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z1_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z1_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z21_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z21_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z21_temp	2022-07-25 07:00:00-04:00	2022-07-25 21:00:00-04:00
Z21_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z21_temp	2022-09-11 06:00:00-04:00	2022-09-11 21:00:00-04:00
Z21_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z21_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z22_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z22_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z22_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z22_temp	2022-10-05 22:00:00-04:00	2022-10-06 10:00:00-04:00
Z22_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z22_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z22_temp	2022-11-11 08:00:00-05:00	2022-11-11 23:00:00-05:00
Z23_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z23_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z23_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
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Z23_temp	2022-10-17 10:00:00-04:00	2022-10-17 23:00:00-04:00
Z23_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z23_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00

Z23_temp	2023-04-11 22:00:00-04:00	2023-04-12 10:00:00-04:00
Z24_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z24_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z24_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z24_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z24_temp	2022-10-25 23:00:00-04:00	2022-10-26 11:00:00-04:00
Z24_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z25_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z25_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
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Z25_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z25_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
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Z26_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z26_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z26_temp	2022-10-05 19:00:00-04:00	2022-10-06 07:00:00-04:00
Z26_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z26_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z27_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z27_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z27_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z27_temp	2022-09-25 17:00:00-04:00	2022-09-26 07:00:00-04:00
Z27_temp	2022-10-05 19:00:00-04:00	2022-10-06 08:00:00-04:00
Z27_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z27_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z2_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z2_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z2_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z2_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z2_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z31_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
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Z31_temp	2022-09-25 16:00:00-04:00	2022-09-26 09:00:00-04:00
Z31_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
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Z32_temp	2022-09-11 09:00:00-04:00	2022-09-12 01:00:00-04:00
Z32_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z32_temp	2022-10-23 08:00:00-04:00	2022-10-23 22:00:00-04:00

Z32_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z32_temp	2023-04-29 07:00:00-04:00	2023-04-29 21:00:00-04:00
Z33_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z33_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z33_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z33_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z33_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z4_temp	2022-06-05 10:00:00-04:00	2022-06-05 18:00:00-04:00
Z4_temp	2022-06-19 02:00:00-04:00	2022-06-19 20:00:00-04:00
Z4_temp	2022-06-25 10:00:00-04:00	2022-06-26 03:00:00-04:00
Z4_temp	2022-06-29 12:00:00-04:00	2022-06-30 03:00:00-04:00
Z4_temp	2022-07-01 19:00:00-04:00	2022-07-02 13:00:00-04:00
Z4_temp	2022-07-18 17:00:00-04:00	2022-07-19 12:00:00-04:00
Z4_temp	2022-07-19 16:00:00-04:00	2022-07-21 07:00:00-04:00
Z4_temp	2022-07-24 20:00:00-04:00	2022-07-25 08:00:00-04:00
Z4_temp	2022-08-06 06:00:00-04:00	2022-08-06 18:00:00-04:00
Z4_temp	2022-08-07 18:00:00-04:00	2022-08-08 07:00:00-04:00
Z4_temp	2022-08-08 20:00:00-04:00	2022-08-09 11:00:00-04:00
Z4_temp	2022-08-19 11:00:00-04:00	2022-08-22 02:00:00-04:00
Z4_temp	2022-08-24 19:00:00-04:00	2022-08-25 10:00:00-04:00
Z4_temp	2022-08-26 02:00:00-04:00	2022-08-26 17:00:00-04:00
Z4_temp	2022-09-11 08:00:00-04:00	2022-09-12 04:00:00-04:00
Z4_temp	2022-09-30 02:00:00-04:00	2022-09-30 17:00:00-04:00
Z4_temp	2022-10-01 21:00:00-04:00	2022-10-02 09:00:00-04:00
Z4_temp	2022-10-04 02:00:00-04:00	2022-10-04 17:00:00-04:00
Z4_temp	2022-10-10 14:00:00-04:00	2022-10-11 14:00:00-04:00
Z4_temp	2022-10-14 21:00:00-04:00	2022-10-15 10:00:00-04:00
Z4_temp	2022-10-15 12:00:00-04:00	2022-10-16 10:00:00-04:00
Z4_temp	2022-10-16 12:00:00-04:00	2022-10-17 08:00:00-04:00
Z4_temp	2022-10-20 07:00:00-04:00	2022-10-21 11:00:00-04:00
Z4_temp	2022-10-21 14:00:00-04:00	2022-10-22 03:00:00-04:00
Z4_temp	2022-10-23 23:00:00-04:00	2022-10-24 16:00:00-04:00
Z4_temp	2022-11-03 22:00:00-04:00	2022-11-04 15:00:00-04:00
Z4_temp	2022-11-04 19:00:00-04:00	2022-11-05 09:00:00-04:00
Z4_temp	2022-11-09 09:00:00-05:00	2022-11-09 10:00:00-05:00
Z4_temp	2022-11-10 08:00:00-05:00	2022-11-10 23:00:00-05:00
Z4_temp	2022-11-16 06:00:00-05:00	2022-11-17 04:00:00-05:00
Z4_temp	2022-11-22 04:00:00-05:00	2022-11-23 04:00:00-05:00
Z4_temp	2022-11-23 08:00:00-05:00	2022-11-24 03:00:00-05:00
Z4_temp	2022-11-24 07:00:00-05:00	2022-11-24 21:00:00-05:00
Z4_temp	2022-11-25 16:00:00-05:00	2022-11-26 06:00:00-05:00
Z4_temp	2023-04-17 07:00:00-04:00	2023-04-17 20:00:00-04:00
Z4_temp	2023-04-17 23:00:00-04:00	2023-04-18 13:00:00-04:00

Z4_temp	2023-04-21 00:00:00-04:00	2023-04-22 02:00:00-04:00
Z4_temp	2023-04-24 09:00:00-04:00	2023-04-25 21:00:00-04:00
Z4_temp	2023-04-26 02:00:00-04:00	2023-04-26 16:00:00-04:00
Z4_temp	2023-04-26 22:00:00-04:00	2023-04-27 17:00:00-04:00
Z4_temp	2023-04-28 15:00:00-04:00	2023-04-29 21:00:00-04:00
Z4_temp	2023-04-30 04:00:00-04:00	2023-05-01 00:00:00-04:00
Z4_temp	2023-05-01 21:00:00-04:00	2023-05-02 13:00:00-04:00
Z4_temp	2023-05-02 16:00:00-04:00	2023-05-03 16:00:00-04:00
Z4_temp	2023-05-04 09:00:00-04:00	2023-05-05 01:00:00-04:00
Z4_temp	2023-05-05 07:00:00-04:00	2023-05-06 18:00:00-04:00
Z4_temp	2023-05-06 21:00:00-04:00	2023-05-07 11:00:00-04:00
Z4_temp	2023-05-08 17:00:00-04:00	2023-05-10 15:00:00-04:00
Z4_temp	2023-05-12 22:00:00-04:00	2023-05-13 12:00:00-04:00
Z4_temp	2023-05-15 16:00:00-04:00	2023-05-16 13:00:00-04:00
Z4_temp	2023-05-16 20:00:00-04:00	2023-05-17 08:00:00-04:00
Z4_temp	2023-05-18 08:00:00-04:00	2023-05-19 01:00:00-04:00
Z4_temp	2023-05-19 16:00:00-04:00	2023-05-20 18:00:00-04:00
Z4_temp	2023-05-21 20:00:00-04:00	2023-05-22 20:00:00-04:00
Z4_temp	2023-05-23 21:00:00-04:00	2023-05-24 18:00:00-04:00
Z4_temp	2023-05-25 01:00:00-04:00	2023-05-26 15:00:00-04:00
Z4_temp	2023-05-28 23:00:00-04:00	2023-05-29 13:00:00-04:00
Z4_temp	2023-05-30 17:00:00-04:00	2023-05-31 14:00:00-04:00
<b>Year 2</b>		
<b>Point names</b>	<b>Start date</b>	<b>End date</b>
Z11_temp	2023-07-11 14:00:00-04:00	2023-07-12 06:00:00-04:00
Z11_temp	2023-07-23 13:00:00-04:00	2023-07-24 01:00:00-04:00
Z11_temp	2023-09-03 17:00:00-04:00	2023-09-04 05:00:00-04:00
Z11_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z11_temp	2023-10-17 12:00:00-04:00	2023-10-18 03:00:00-04:00
Z11_temp	2023-10-24 14:00:00-04:00	2023-10-25 04:00:00-04:00
Z12_temp	2023-06-27 11:00:00-04:00	2023-06-28 02:00:00-04:00
Z12_temp	2023-06-29 15:00:00-04:00	2023-06-30 05:00:00-04:00
Z12_temp	2023-07-01 15:00:00-04:00	2023-07-02 04:00:00-04:00
Z12_temp	2023-07-04 02:00:00-04:00	2023-07-04 15:00:00-04:00
Z12_temp	2023-07-06 19:00:00-04:00	2023-07-07 14:00:00-04:00
Z12_temp	2023-07-08 02:00:00-04:00	2023-07-09 07:00:00-04:00
Z12_temp	2023-07-11 16:00:00-04:00	2023-07-12 09:00:00-04:00
Z12_temp	2023-07-12 15:00:00-04:00	2023-07-13 11:00:00-04:00
Z12_temp	2023-07-15 01:00:00-04:00	2023-07-15 16:00:00-04:00
Z12_temp	2023-07-16 02:00:00-04:00	2023-07-16 21:00:00-04:00
Z12_temp	2023-07-17 22:00:00-04:00	2023-07-18 13:00:00-04:00
Z12_temp	2023-07-19 10:00:00-04:00	2023-07-19 23:00:00-04:00
Z12_temp	2023-07-23 14:00:00-04:00	2023-07-24 03:00:00-04:00

Z12_temp	2023-08-05 00:00:00-04:00	2023-08-05 16:00:00-04:00
Z12_temp	2023-08-09 00:00:00-04:00	2023-08-09 21:00:00-04:00
Z12_temp	2023-09-02 11:00:00-04:00	2023-09-03 00:00:00-04:00
Z12_temp	2023-09-04 17:00:00-04:00	2023-09-07 11:00:00-04:00
Z12_temp	2023-09-09 05:00:00-04:00	2023-09-10 05:00:00-04:00
Z12_temp	2023-09-16 23:00:00-04:00	2023-09-17 11:00:00-04:00
Z12_temp	2023-09-23 04:00:00-04:00	2023-09-23 19:00:00-04:00
Z12_temp	2023-09-24 22:00:00-04:00	2023-09-25 10:00:00-04:00
Z12_temp	2023-09-29 20:00:00-04:00	2023-09-30 09:00:00-04:00
Z12_temp	2023-09-30 20:00:00-04:00	2023-10-01 12:00:00-04:00
Z12_temp	2023-10-16 22:00:00-04:00	2023-10-17 11:00:00-04:00
Z12_temp	2024-03-04 11:00:00-05:00	2024-03-04 23:00:00-05:00
Z12_temp	2024-03-17 02:00:00-04:00	2024-03-17 15:00:00-04:00
Z12_temp	2024-03-28 09:00:00-04:00	2024-03-29 04:00:00-04:00
Z13_temp	2023-07-16 04:00:00-04:00	2023-07-16 18:00:00-04:00
Z13_temp	2023-09-05 01:00:00-04:00	2023-09-07 11:00:00-04:00
Z13_temp	2023-09-24 21:00:00-04:00	2023-09-25 09:00:00-04:00
Z13_temp	2023-09-29 16:00:00-04:00	2023-09-30 05:00:00-04:00
Z13_temp	2023-10-12 16:00:00-04:00	2023-10-16 01:00:00-04:00
Z13_temp	2023-10-17 13:00:00-04:00	2023-10-18 09:00:00-04:00
Z13_temp	2023-10-20 03:00:00-04:00	2023-10-20 23:00:00-04:00
Z13_temp	2023-10-21 03:00:00-04:00	2023-10-21 19:00:00-04:00
Z13_temp	2023-10-22 08:00:00-04:00	2023-10-22 21:00:00-04:00
Z13_temp	2023-10-23 05:00:00-04:00	2023-10-24 03:00:00-04:00
Z13_temp	2023-10-24 13:00:00-04:00	2023-10-25 11:00:00-04:00
Z13_temp	2023-10-30 07:00:00-04:00	2023-10-30 20:00:00-04:00
Z14_temp	2023-08-07 10:00:00-04:00	2023-08-07 22:00:00-04:00
Z14_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z14_temp	2023-09-09 05:00:00-04:00	2023-09-10 02:00:00-04:00
Z14_temp	2023-09-26 06:00:00-04:00	2023-09-26 19:00:00-04:00
Z14_temp	2023-10-10 23:00:00-04:00	2023-10-11 11:00:00-04:00
Z14_temp	2023-10-20 19:00:00-04:00	2023-10-21 14:00:00-04:00
Z14_temp	2023-11-04 07:00:00-04:00	2023-11-05 00:00:00-04:00
Z14_temp	2024-03-03 12:00:00-05:00	2024-03-04 00:00:00-05:00
Z15_temp	2023-09-03 18:00:00-04:00	2023-09-04 07:00:00-04:00
Z15_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z15_temp	2023-10-09 05:00:00-04:00	2023-10-09 17:00:00-04:00
Z15_temp	2023-10-21 05:00:00-04:00	2023-10-21 20:00:00-04:00
Z16_temp	2023-07-08 03:00:00-04:00	2023-07-08 19:00:00-04:00
Z16_temp	2023-07-11 16:00:00-04:00	2023-07-12 09:00:00-04:00
Z16_temp	2023-07-12 22:00:00-04:00	2023-07-13 10:00:00-04:00
Z16_temp	2023-07-16 06:00:00-04:00	2023-07-16 20:00:00-04:00
Z16_temp	2023-07-21 05:00:00-04:00	2023-07-21 18:00:00-04:00

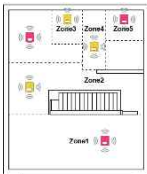
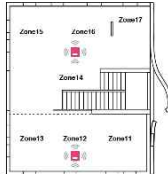
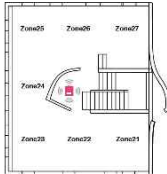
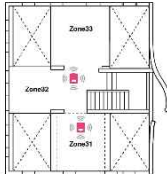
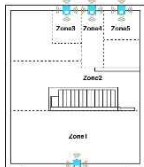
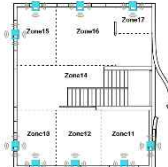
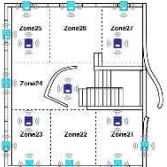
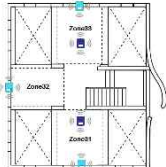


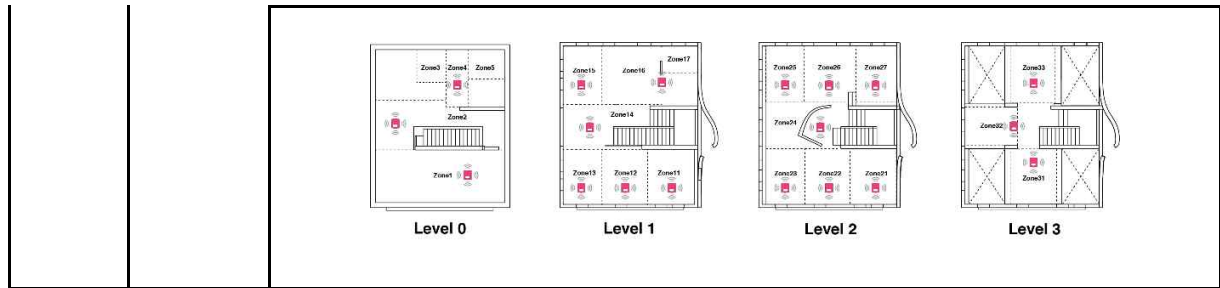
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Z16_temp	2023-09-04 21:00:00-04:00	2023-09-05 09:00:00-04:00
Z16_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z16_temp	2023-09-09 04:00:00-04:00	2023-09-09 18:00:00-04:00
Z16_temp	2023-09-30 04:00:00-04:00	2023-09-30 18:00:00-04:00
Z16_temp	2023-10-18 15:00:00-04:00	2023-10-19 04:00:00-04:00
Z16_temp	2023-10-21 09:00:00-04:00	2023-10-21 22:00:00-04:00
Z17_temp	2023-07-21 07:00:00-04:00	2023-07-21 19:00:00-04:00
Z17_temp	2023-08-09 00:00:00-04:00	2023-08-09 12:00:00-04:00
Z17_temp	2023-09-03 18:00:00-04:00	2023-09-04 06:00:00-04:00
Z17_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z17_temp	2023-10-18 16:00:00-04:00	2023-10-19 07:00:00-04:00
Z17_temp	2023-11-04 15:00:00-04:00	2023-11-05 05:00:00-05:00
Z17_temp	2023-11-10 18:00:00-05:00	2023-11-11 09:00:00-05:00
Z17_temp	2023-12-27 18:00:00-05:00	2023-12-28 06:00:00-05:00
Z17_temp	2024-01-26 02:00:00-05:00	2024-01-26 15:00:00-05:00
Z17_temp	2024-03-03 17:00:00-05:00	2024-03-04 08:00:00-05:00
Z1_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z21_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z22_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z22_temp	2023-09-23 08:00:00-04:00	2023-09-23 21:00:00-04:00
Z23_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z23_temp	2023-09-23 05:00:00-04:00	2023-09-24 00:00:00-04:00
Z23_temp	2023-10-20 17:00:00-04:00	2023-10-21 07:00:00-04:00
Z23_temp	2023-10-21 12:00:00-04:00	2023-10-22 00:00:00-04:00
Z24_temp	2023-07-03 21:00:00-04:00	2023-07-04 10:00:00-04:00
Z24_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z24_temp	2023-09-09 08:00:00-04:00	2023-09-09 21:00:00-04:00
Z24_temp	2023-09-24 22:00:00-04:00	2023-09-25 13:00:00-04:00
Z24_temp	2023-09-30 06:00:00-04:00	2023-09-30 20:00:00-04:00
Z24_temp	2023-10-20 17:00:00-04:00	2023-10-21 19:00:00-04:00
Z25_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z26_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z27_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z2_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z31_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z31_temp	2023-09-24 02:00:00-04:00	2023-09-24 16:00:00-04:00
Z31_temp	2023-12-30 15:00:00-05:00	2023-12-31 04:00:00-05:00
Z31_temp	2024-02-01 19:00:00-05:00	2024-02-02 08:00:00-05:00
Z32_temp	2023-08-04 18:00:00-04:00	2023-08-05 06:00:00-04:00
Z32_temp	2023-08-16 08:00:00-04:00	2023-08-16 21:00:00-04:00
Z32_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z32_temp	2023-09-25 01:00:00-04:00	2023-09-25 16:00:00-04:00

Z33_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z33_temp	2023-10-21 06:00:00-04:00	2023-10-21 20:00:00-04:00
Z4_temp	2023-06-25 05:00:00-04:00	2023-06-25 17:00:00-04:00
Z4_temp	2023-06-28 04:00:00-04:00	2023-06-28 23:00:00-04:00
Z4_temp	2023-06-29 08:00:00-04:00	2023-06-30 00:00:00-04:00
Z4_temp	2023-06-30 04:00:00-04:00	2023-07-01 07:00:00-04:00
Z4_temp	2023-07-01 10:00:00-04:00	2023-07-02 09:00:00-04:00
Z4_temp	2023-07-02 13:00:00-04:00	2023-07-03 08:00:00-04:00
Z4_temp	2023-07-03 18:00:00-04:00	2023-07-04 20:00:00-04:00
Z4_temp	2023-07-05 00:00:00-04:00	2023-07-05 13:00:00-04:00
Z4_temp	2023-07-08 04:00:00-04:00	2023-07-08 22:00:00-04:00
Z4_temp	2023-07-12 16:00:00-04:00	2023-07-13 13:00:00-04:00
Z4_temp	2023-07-15 06:00:00-04:00	2023-07-16 22:00:00-04:00
Z4_temp	2023-07-24 00:00:00-04:00	2023-07-25 13:00:00-04:00
Z4_temp	2023-07-26 00:00:00-04:00	2023-07-26 13:00:00-04:00
Z4_temp	2023-07-26 22:00:00-04:00	2023-07-27 18:00:00-04:00
Z4_temp	2023-07-28 22:00:00-04:00	2023-07-29 16:00:00-04:00
Z4_temp	2023-08-05 06:00:00-04:00	2023-08-05 22:00:00-04:00
Z4_temp	2023-08-09 08:00:00-04:00	2023-08-10 03:00:00-04:00
Z4_temp	2023-08-13 06:00:00-04:00	2023-08-13 21:00:00-04:00
Z4_temp	2023-09-03 11:00:00-04:00	2023-09-05 01:00:00-04:00
Z4_temp	2023-09-05 14:00:00-04:00	2023-09-07 11:00:00-04:00
Z4_temp	2023-09-08 00:00:00-04:00	2023-09-08 12:00:00-04:00
Z4_temp	2023-09-08 15:00:00-04:00	2023-09-09 05:00:00-04:00
Z4_temp	2023-09-16 07:00:00-04:00	2023-09-16 23:00:00-04:00
Z4_temp	2023-09-25 03:00:00-04:00	2023-09-25 16:00:00-04:00
Z4_temp	2023-09-27 03:00:00-04:00	2023-09-28 04:00:00-04:00
Z4_temp	2023-09-29 05:00:00-04:00	2023-09-29 20:00:00-04:00
Z4_temp	2023-09-30 02:00:00-04:00	2023-09-30 22:00:00-04:00
Z4_temp	2023-10-02 14:00:00-04:00	2023-10-03 03:00:00-04:00
Z4_temp	2023-10-07 02:00:00-04:00	2023-10-07 14:00:00-04:00
Z4_temp	2023-10-09 08:00:00-04:00	2023-10-09 20:00:00-04:00
Z4_temp	2023-10-11 16:00:00-04:00	2023-10-12 14:00:00-04:00
Z4_temp	2023-10-13 02:00:00-04:00	2023-10-13 16:00:00-04:00
Z4_temp	2023-10-14 08:00:00-04:00	2023-10-15 02:00:00-04:00
Z4_temp	2023-10-15 07:00:00-04:00	2023-10-16 00:00:00-04:00
Z4_temp	2023-10-17 00:00:00-04:00	2023-10-18 06:00:00-04:00
Z4_temp	2023-10-19 12:00:00-04:00	2023-10-20 14:00:00-04:00
Z4_temp	2023-10-20 20:00:00-04:00	2023-10-21 12:00:00-04:00
Z4_temp	2023-10-22 08:00:00-04:00	2023-10-22 20:00:00-04:00
Z4_temp	2023-10-24 09:00:00-04:00	2023-10-25 16:00:00-04:00
Z4_temp	2023-10-25 20:00:00-04:00	2023-10-26 10:00:00-04:00
Z4_temp	2023-10-27 19:00:00-04:00	2023-10-28 13:00:00-04:00

Z4_temp	2023-10-30 10:00:00-04:00	2023-10-30 23:00:00-04:00
Z4_temp	2023-12-20 20:00:00-05:00	2023-12-21 10:00:00-05:00
Z4_temp	2024-03-06 05:00:00-05:00	2024-03-07 02:00:00-05:00
Z4_temp	2024-03-23 20:00:00-04:00	2024-03-24 13:00:00-04:00

### 3)System Sensors

Sensors		Number of Sensors/Meters	Available Period	
Sensors for systems	Meters	PV production	2	06/01/22–05/31/24
		Breakdown loads: Heat pump, Heat pump Electric, Cooling, DHW (Solar hot water/ Electric hot water), Emergency Lighting, Lighting, Controls, Others (Exhaust fan/ Elevator/ Fire alarm/Sump pump/ Battery cabinet/Solar rapid shutdown), Plug load (Basement/1st/2nd/3rd) and IT	19	06/01/22–05/31/24
		Net meter	1	06/01/22–05/31/24
		Import and export (separated from the Net meter)	-	06/01/22–05/31/24
	BTU meters	Flowrate	10	06/01/22–05/31/24
		Supply temperature	10	06/01/22–05/31/24
		Return temperature	10	06/01/22–05/31/24
		Energy (calculated)		06/01/22–05/31/24
		<div><div><p>Level 0</p></div><div><p>Level 1</p></div><div><p>Level 2</p></div><div><p>Level 3</p></div></div>		
	System status	Window openings	34	06/01/22–05/31/24
		<div><div><p>Level 0</p></div><div><p>Level 1</p></div><div><p>Level 2</p></div><div><p>Level 3</p></div></div>		
		Valve status	19	06/01/22–05/31/24



## PV missing periods

Year 1		
Point names	Start date	End date
PV_meter2	2022-07-02 19:00:00-04:00	2022-07-03 16:00:00-04:00
PV_meter1 & meter2	2022-07-19 11:00:00-04:00	2022-07-21 02:00:00-04:00
PV_meter2	2022-08-06 14:00:00-04:00	2022-08-07 11:00:00-04:00
PV_meter2	2022-09-29 20:00:00-04:00	2022-09-30 08:00:00-04:00
PV_meter1 & meter2	2023-01-15 19:00:00-05:00	2023-01-16 19:00:00-05:00
PV_meter1 & meter2	2023-01-22 19:00:00-05:00	2023-01-23 19:00:00-05:00
PV_meter1 & meter2	2023-02-22 19:00:00-05:00	2023-02-23 19:00:00-05:00
PV_meter2	2023-02-06 15:00:00-05:00	2023-03-11 15:00:00-05:00

## Window openings status missing periods

Point names	Start date	End date
Year 1		
Z31_S_opening(%)	2022-09-20 16:00:00-04:00	2022-09-27 12:00:00-04:00
Year 2		
Z21_S_opening(%)	2024-03-08 17:00:00-05:00	2024-03-09 11:00:00-05:00
Z21_S_opening(%)	2024-03-21 18:00:00-04:00	2024-03-22 17:00:00-04:00

## Valve status missing periods

Year 1		
Point names	Start date	End date
Z11_valve (%)	2022-12-17 02:00:00-05:00	2022-12-17 12:00:00-05:00
Z11_valve (%)	2023-01-28 02:00:00-05:00	2023-01-28 09:00:00-05:00
Z11_valve (%)	2023-02-13 18:00:00-05:00	2023-02-14 08:00:00-05:00
Z12_valve (%)	2022-12-17 02:00:00-05:00	2022-12-17 12:00:00-05:00

[illegible]

Z3+4+5_valve (%)	2023-02-13 18:00:00-05:00	2023-02-14 08:00:00-05:00
Z31_valve (%)	2022-12-17 02:00:00-05:00	2022-12-17 12:00:00-05:00
Z31_valve (%)	2023-01-28 02:00:00-05:00	2023-01-28 09:00:00-05:00
Z31_valve (%)	2023-02-13 18:00:00-05:00	2023-02-14 08:00:00-05:00
Z32_valve (%)	2022-12-17 02:00:00-05:00	2022-12-17 12:00:00-05:00
Z32_valve (%)	2023-01-28 02:00:00-05:00	2023-01-28 09:00:00-05:00
Z32_valve (%)	2023-02-13 18:00:00-05:00	2023-02-14 08:00:00-05:00
Z33_valve (%)	2022-12-17 02:00:00-05:00	2022-12-17 12:00:00-05:00
Z33_valve (%)	2023-01-28 02:00:00-05:00	2023-01-28 09:00:00-05:00
Z33_valve (%)	2023-02-13 18:00:00-05:00	2023-02-14 08:00:00-05:00

## Notices

In certain cases, the valve status for certain zones does not align with the temperature fluctuations within those zones. This discrepancy occurs primarily because the second floor is designed as an open office where all zones are interconnected. Consequently, if the indoor air temperature across these zones meets the set temperature—due to passive heating or air movement from adjacent areas—the valve for a particular zone may remain closed. Additionally, the BTU meter monitors the second floor collectively by measuring the return water temperature for the entire floor rather than the individual zone.

## Appendix

**Table A. Summary of the sensor network**

Sensors	Objective	Accuracy	Range
Outdoor sensors	Air temperature	±0.25°C from -40° to 0°C ±0.20°C from 0° to 70°C ±0.25°C from 70° to 75°C	-40 to 75 °C
	Relative humidity	±2.5% from 10% to 90% RH typical to a maximum of ±3.5%	0 to 100%
	Wind speed	±0.3 m/s below 3 m/s; ±1 m/s over 3 m/s	0.3 to 75 m/s
	Wind direction	±2°	0 ° to 359 °
	Solar radiation	Typically, within 10 W/m <sup>2</sup> or ±5%	0 to 1280 W/m <sup>2</sup>
	Rain	-	-
Indoor sensors	Air temperature	±1 °C	0 to 40 °C
	Relative humidity	±5%	1 to 100%
	CO <sub>2</sub> concentration	300-1000ppm: ±120ppm; 1000-2000ppm: ±250ppm; 2000-5000ppm: ±300ppm	300 to 9999 ppm
	Slab temperature	±0 °C: ±1 °C; -30 to 25 °C: ±1.5 °C; -30 to 70 °C: ±2.5 °C; -30 to 130 °C: ±4 °C	-30 to 130 °C
Sensors for systems	BTU meters - water flow rate	± 1% of reading over 25:1 turndown; ± 2% of reading over 100:1 turndown; Meets EN1434 Class 1 accuracy requirements.	-
	BTU meters - water temperature	± 0.1 °C; Meets EN1434/C900.1 accuracy requirements for 3K sensors	-