

CGM Report

Basic Information

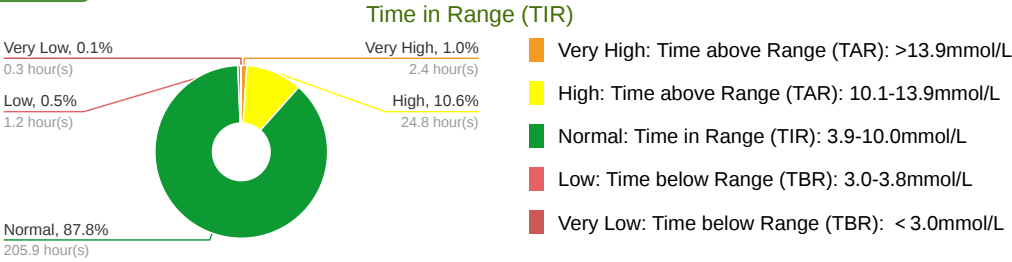
Name: Samuel Leathwick
Type of diabetes: --
Email: s.leathwick@gmail.com

Gender: null
Height: --
Serial Number: AH28T9

Age: 37
Weight: --

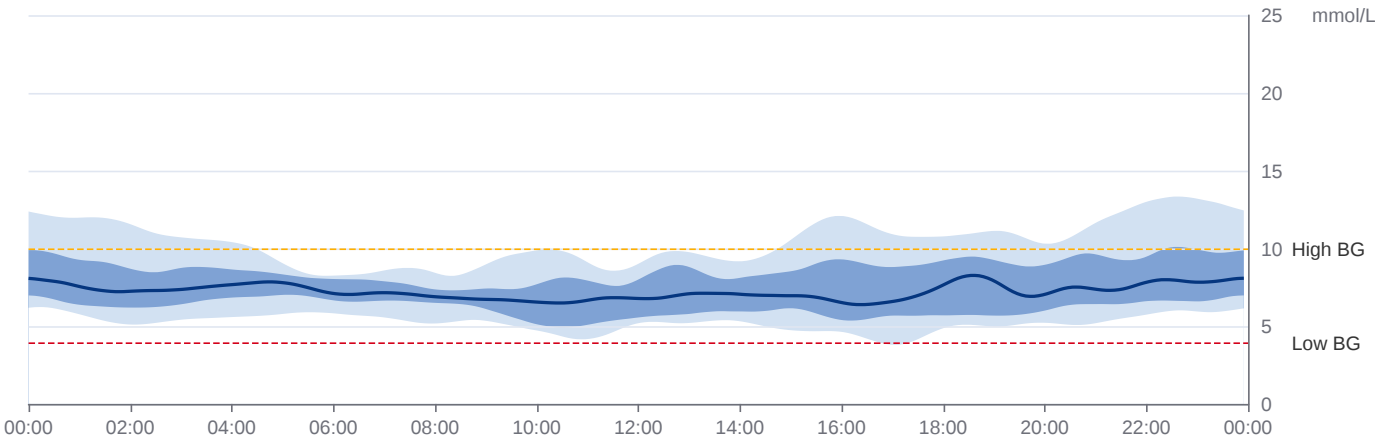
CGM Standardized Report Core Parameters

Item	Unit	Results	Reference Value
CGM Assessment Days	day	10	> 14
CGM Coverage Time	%	97.74	> 70
eHbA1c	%	6.76	< 7
MBG	mmol/L	7.52 ↑	4.3 - 6.6
CV	%	27.60	18 - 36

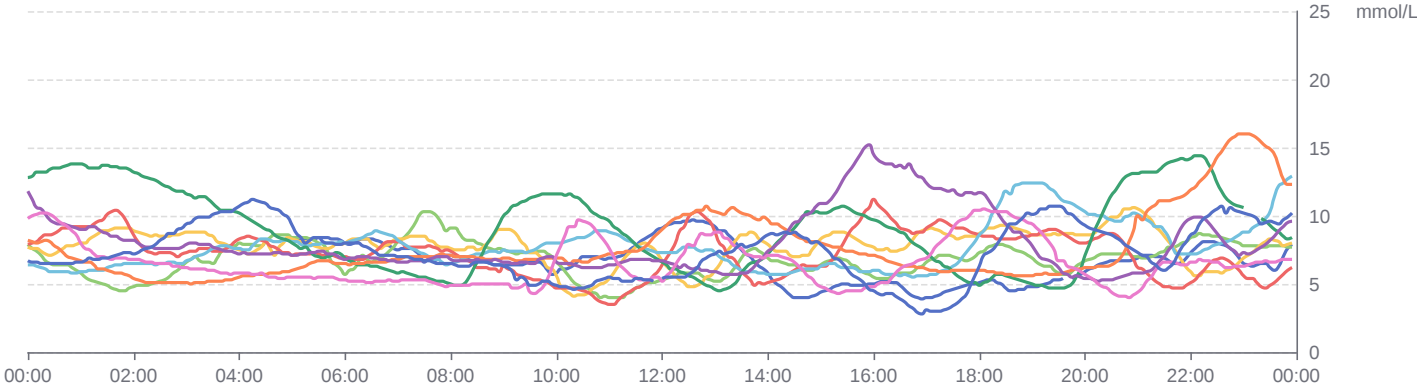


AGP Map

50 % Median Line 25 % - 75 % Interval 10 % - 90 % Interval



Multi-day BG Curves



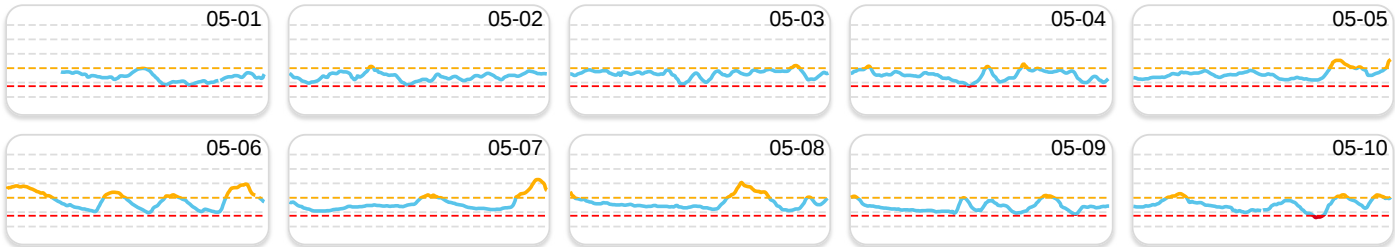
2024-05-01 2024-05-02 2024-05-03 2024-05-04 2024-05-05 2024-05-06 2024-05-07 2024-05-08
2024-05-09 2024-05-10

High/Low BG Events

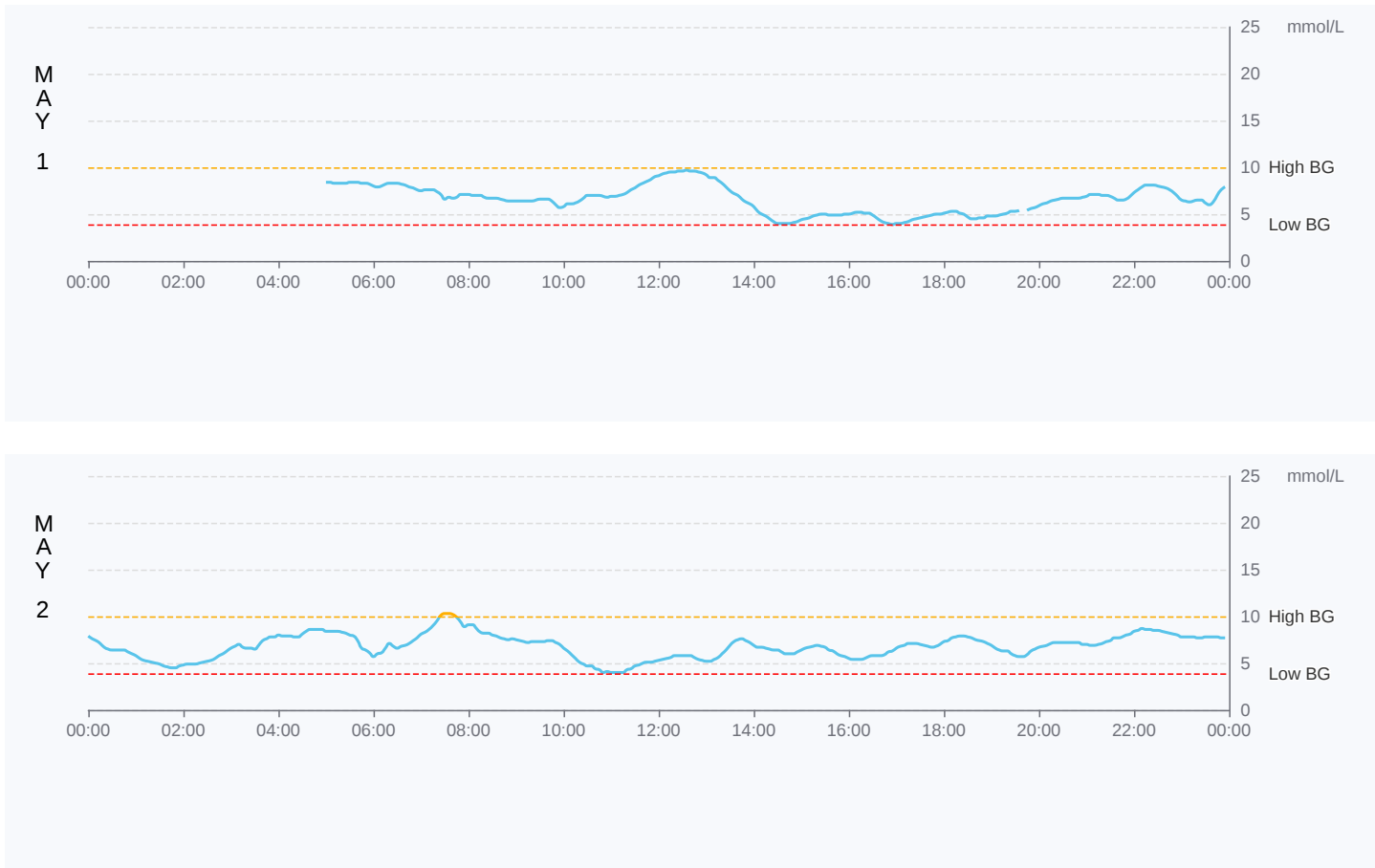
	< 2.8 mmol/L	< 3.3 mmol/L	< 3.9 mmol/L	> 10 mmol/L	> 13.9 mmol/L	> 22.2 mmol/L
Avg Hours Per Day (Hours)	0	0.1	0.2	2.8	0.2	0
Ave Events Per Day	0	0	0	1	0	0
Ave Duration Per Day (Hours)	0	0.75	0.75	1.41	0.81	0

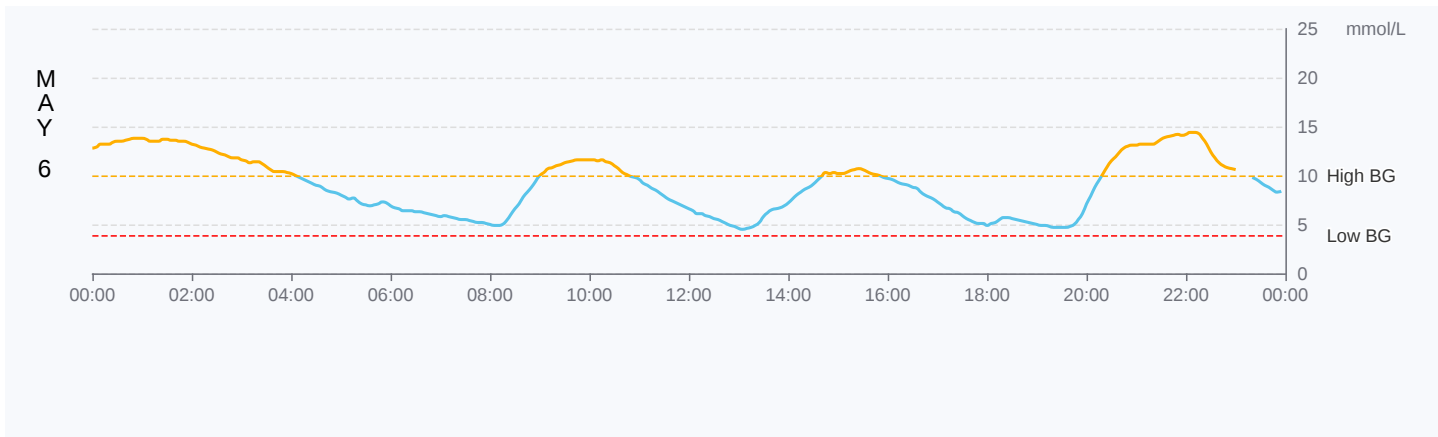
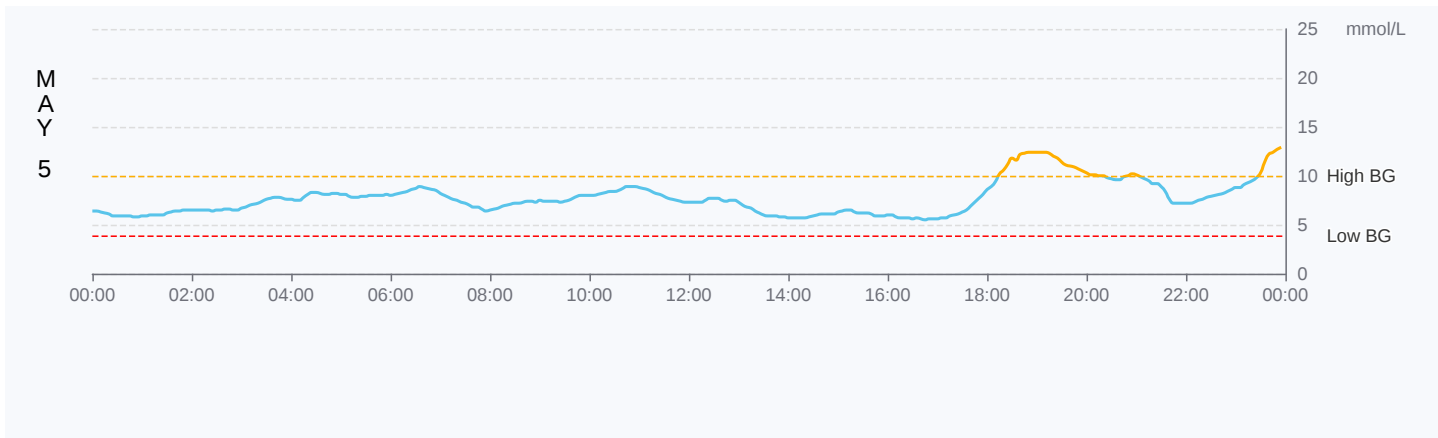
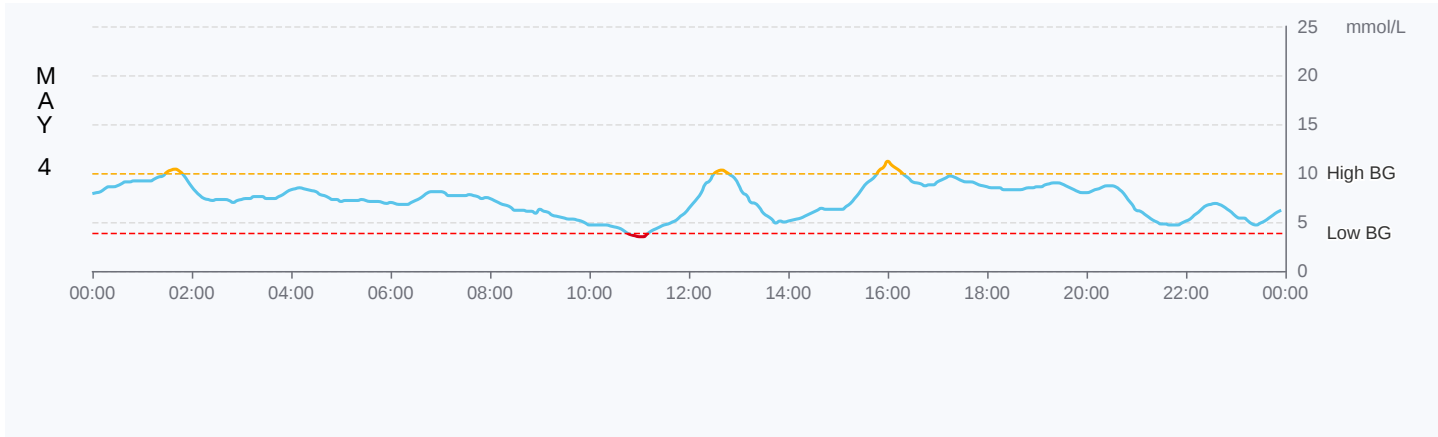
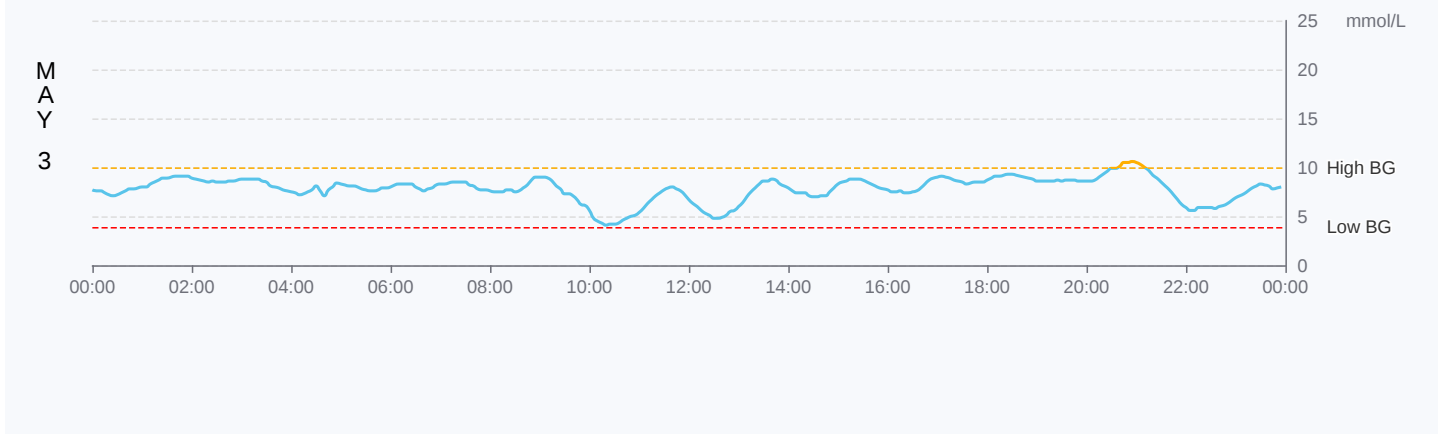
Measurements in the hypoglycemic (low blood sugar) range for at least 10 minutes straight

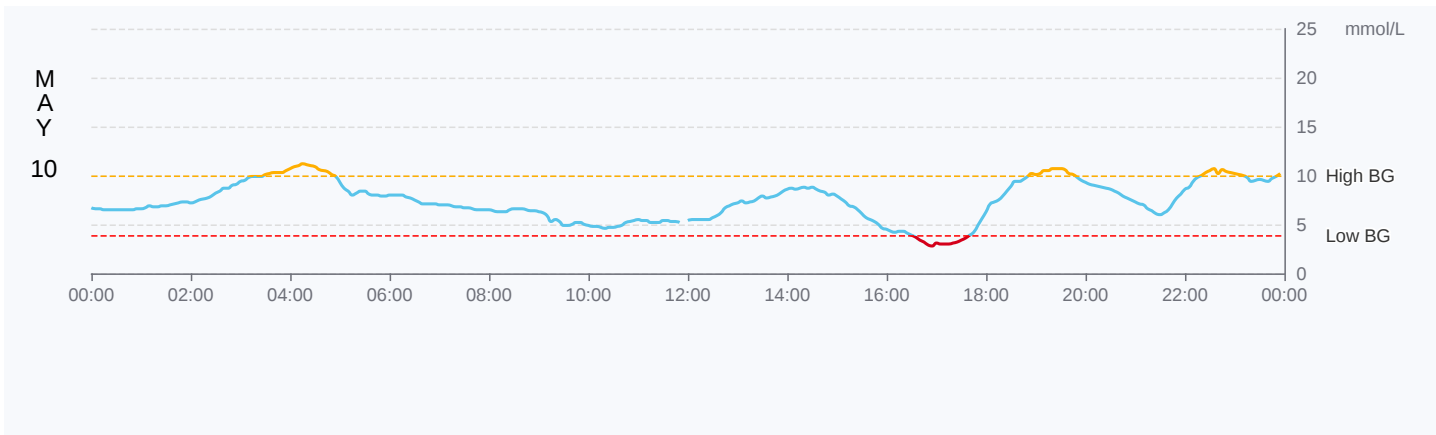
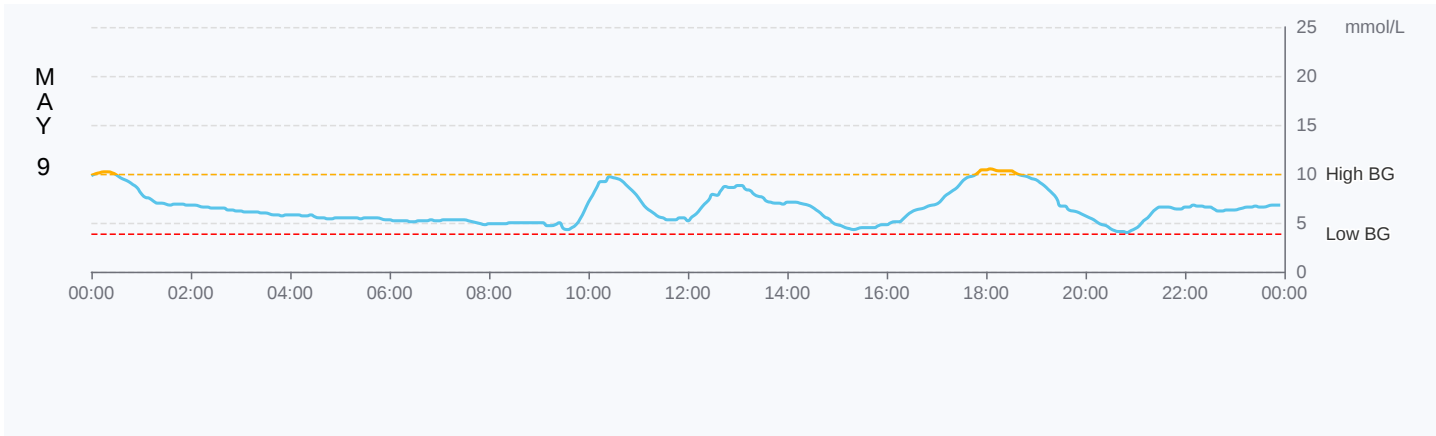
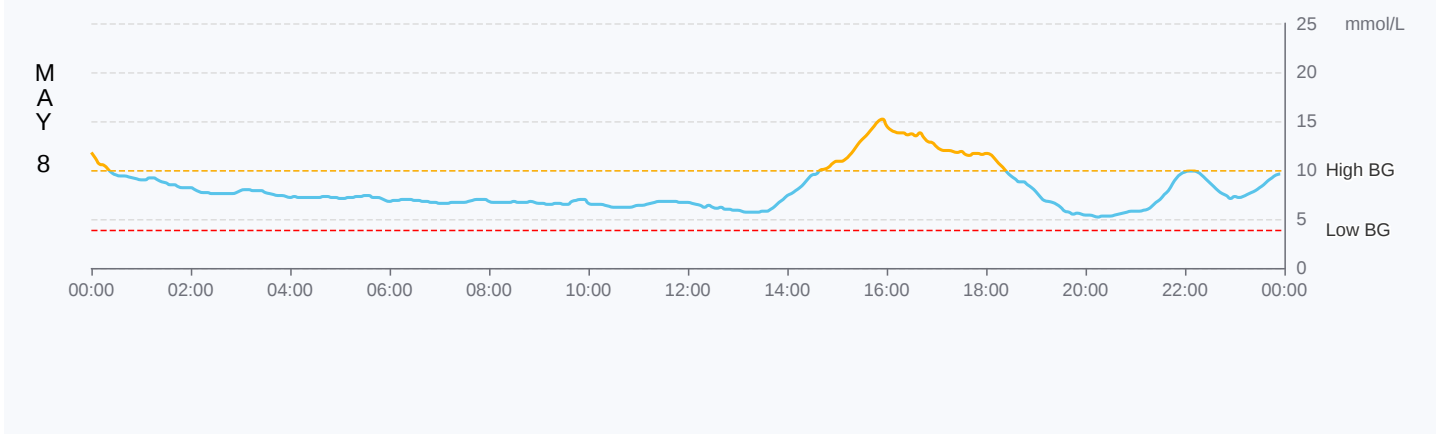
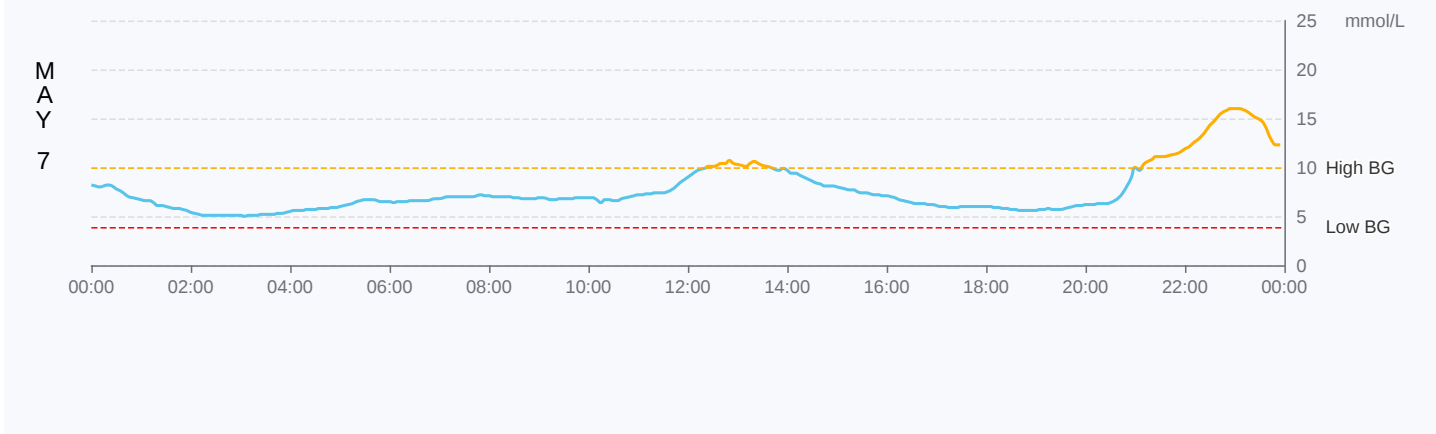
Daily BG Graph



Daily BG Curve







Daily Statistics										
Item	05/01	05/02	05/03	05/04	05/05	05/06	05/07	05/08	05/09	05/10
Number of Monitored Data	227	288	288	288	288	285	288	288	288	287
Mean (MBG, mmol/L)	6.56	6.79	7.81	7.28	7.77	9.05	7.70	8.09	6.55	7.37
Standard Deviation (SDBG, mmol/L)	1.48	1.26	1.22	1.65	1.70	2.96	2.52	2.23	1.63	2.01
Coe. of Variance (CV, %)	22.52	18.57	15.61	22.74	21.91	32.70	32.70	27.52	24.86	27.29
The Highest Value of Glucose (mmol/L)	9.63	10.27	10.53	10.87	12.80	14.37	16	14.90	10.43	11.10
The Lowest Value of Glucose (mmol/L)	3.97	4	4.17	3.53	5.57	4.57	5.07	5.27	4.07	2.93
Largest Amplitude of Glycemic Excursion (LAGE, mmol/L)	5.67	6.27	6.37	7.33	7.23	9.80	10.93	9.63	6.37	8.17
Mean Amplitude of Glycemic Excursion (MAGE, mmol/L)	3.76	2.93	2.39	3.97	3.92	7.03	5.16	5.56	4.51	5.21
Percentage of Glucose Value ≥13.9mmol/L	0	0	0	0	0	2.81	4.86	2.43	0	0
Percentage of Glucose Value ≥10.0mmol/L	0	1.04	2.43	4.51	11.81	41.05	17.36	17.01	4.86	13.59
Percentage of Glucose Value ≥7.8mmol/L	23.35	22.57	58.68	40.97	42.01	60.70	30.21	38.54	20.83	42.16
Percentage of Glucose Value ≤3.9mmol/L	0	0	0	1.74	0	0	0	0	0	4.53
Percentage of Glucose Value ≤2.8mmol/L	0	0	0	0	0	0	0	0	0	0
3.9 mmol/L<Percentage of Glucose Value<10.0mmol/L	100	98.96	97.57	93.75	88.19	58.95	82.64	82.99	95.14	81.88
Time in Range (TIR)										
High (> 10 mmol/L) Normal (3.9 - 10 mmol/L) Low (< 3.9 mmol/L) * The report is based on the American Diabetes Association Standards of Medical Care in Diabetes-2017; The results of TIR are gained according to monitoring statistics. CGM Prompt: Total number of monitored glucose values is 2815, Mean value is 7.52mmol/L, Standard deviation is 2.07mmol/L, Coe. of variance is 27.60%, Highest and lowest value is 16mmol/L and 2.93mmol/L, Percentage of glucose between 3.9mmol/L and 10.0mmol/L is 87.8%, Percentage of glucose ≥7.8mmol/L, ≥10mmol/L and ≥13.9mmol/L is 38.29%, 11.58% and 1.03% respectively. Percentage of time when the glucose value is ≤3.9mmol/L and ≤2.8mmol/L is 1hour30mins (0.64%), 0hour0min (0%) respectively.										

Metrics Explanation

1. Estimated Glycated Hemoglobin (eHbA1c): It is calculated based on the glucose readings and is used to evaluate overall glucose levels.

2. Mean Blood Glucose (MBG): The average of all glucose measurements obtained from CGM monitoring to assess total blood glucose levels.

3. Standard Deviation of Blood Glucose (SDBG): The standard deviation of readings monitored by CGM. It is used for evaluating the overall degree of deviation from the mean blood glucose value, and it is also called blood glucose fluctuations.

4. Coe. of Variance (CV): The percentage derived from the glucose standard deviation to mean glucose ratio. It is used for evaluating blood glucose fluctuations.

5. The Largest Amplitude of Glycemic Excursion (LAGE):The difference between the highest and lowest blood glucose value in a day. It is used for evaluating the largest blood glucose fluctuations in patients with diabetes in a day.

6. The Mean Amplitude of Glycemic Excursion (MAGE): The sum of all daily valid glucose fluctuations, where valid fluctuations are defined as those greater than one SDBG.

7. Time in Range (TIR): he percentage of time that glucose readings are within the target range. The target range is typically 3.9-10.0mmol/L or 3.9-7.8mmol/L.

8. Time above Range (TAR): The percentage of time that glucose readings are above the target range.

9. Time below Range (TBR): The percentage of time that the glucose readings are below the target range.

10. Low blood glucose risk (LBGI): It is used to assess the degree of risk of developing severe hypoglycemia.

11. High/Low blood glucose events: They are defined as monitored values within a high/low BG range at least for 10 consecutive minutes.

Reference

American Diabetes Association Standards of medical care in diabetes-2022.