



# 验证报告

## VERIFICATION REPORT

验证企业：\*\*\*医药物流集团

验证地址：北京昌平区马驹桥镇联东U谷西区

验证对象：GB25-CK-01

温控信息：10.0℃~30.0℃

验证性质：定期验证

验证环境：常温

验证类别：满载

验证项目：温控设施设备运行参数及使用状况测试  
温度监测系统配置的测点终端安装位置确认  
开门作业对温控库房温度分布影响的确认  
设备故障或外部供电中断的状况下温控库房保温性能及变化趋势确定  
存储空间温度的偏差、均匀度和波动度确认  
本地区高温或低温等极端外部环境条件下的温度稳定性确认  
风机除霜作业对温控库房温度分布影响的确认  
多组风机轮换工作温控状况确认

验证实施日期：

签发：

### 验证标准和技术要求：

依照《药品经营质量管理规范》（GSP）及附录五《验证管理》、《GB/T34399-2025医药产品冷链物流温控设施设备验证性能确认技术规范的要求》、《中华人民共和国人类遗传资源管理条例》。

### 适用范围：

医药产品储存运输过程中涉及的温控仓库、温控车辆、冷藏箱、保温箱、温控柜及温度监测系统的性能确认等活动。  
保藏机构的仪器设备应保证资源的质量和安全性，根据需要定期维护和更换。关键仪器设备应定期进行验证、检定或校准。保藏机构的存储设备应有明确的监控措施或监控设备。

签发日期：

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# 目录

1 参与人员及培训记录.....	3
1.1 验证报告的起草、审核与批准.....	3
1.2 验证参与人员.....	3
1.3 培训记录.....	3
2 验证目的.....	3
3 验证依据.....	3
4 本次验证所用主要测量设备.....	4
4.1 验证设备标准.....	4
4.2 验证设备描述.....	4
4.3 验证设备清单.....	4
5 验证对象.....	8
5.1 对象说明.....	8
5.2 验证项目.....	8
5.3 布点依据.....	9
5.4 测点布置.....	9
5.4.1 布点示意图.....	9
5.4.2 布点位置详表.....	9
5.4.3 现场照片.....	12
6 验证前准备及检查.....	12
6.1 验证对象准备工作.....	12
6.2 验证前项目实施准备工作.....	13
7 验证项目实施.....	13
7.1 温控设施设备运行参数及使用状况测试.....	13
7.2 温度监测系统配置的测点终端安装位置确认.....	13
7.3 开门作业对温控仓库温度分布影响的确认.....	18
7.4 设备故障或外部供电中断的状况下温控仓库保温性能及变化趋势确定.....	22

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7.5 存储空间温度的偏差、均匀度和波动度确认.....	22
7.6 本地区高温或低温等极端外部环境条件下的温度稳定性确认.....	25
7.7 风机除霜作业对温控仓库温度分布影响的确认.....	26
7.8 多组温控设备轮流作业运行参数及使用状况测试.....	26
8 偏差处理.....	28
9 验证结论.....	28
10 附件.....	29
11 报告确认.....	29

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## 1 参与人员及培训记录

### 1.1 验证报告的起草、审核与批准

职责	姓名	职务	企业	签名
起草	赵一		北京世福宝科技有限公司	
校对	钱二		北京世福宝科技有限公司	
审核	孙三		***医药物流集团	
批准	李四		***医药物流集团	

### 1.2 验证参与人员

职责	姓名	职务	企业	签名
副组长	吴六		北京世福宝科技有限公司	
组员	周五		北京世福宝科技有限公司	

### 1.3 培训记录

## 2 验证目的

- 1 确定温控设施设备的运行参数及性能，证明温控仓库在既定运行条件下，满载温度分布测试的结果在温度控制规定范围内。
- 2 确定冷点和热点，并在冷、热点位置安装温度监测系统测点终端。当温度监测系统测点终端不具备移动条件时，应证明冷冻库中距离冷、热点最近的温度监测系统测点终端采集的温度数据与相应冷、热点的温度数据平均值的差值在 $\pm 2$  °C以内。其他温控仓库平均值的差值在 $\pm 1$  °C以内，并具有代表性。
- 3 证明导致任一测点超温的最短开门时间值大于规定值，提供冷藏库日常操作指导。
- 4 证明设备故障或外部供电中断情况下的保温时限值大于规定值，以建立应急措施。
- 5 冷藏库温度偏差、均匀度、波动度不应高于 $\pm 3$  °C，计算方法见《医药产品冷链物流温控设施设备验证性能确认技术规范 GB/T 34399-2025》附录 A。

## 3 验证依据

- 1、《药品经营质量管理规范》及附录五《验证管理》。
- 2、《医药产品冷链物流温控设施设备验证性能确认技术规范 GB/T 34399-2025》。

3、前述《验证方案》。

4、验证测试判断标准：

(1) 温度自动监测系统测点终端与验证用温度记录仪的差值应在 $\pm 1^{\circ}\text{C}$ 以内(冷冻库差值应在 $\pm 2^{\circ}\text{C}$ 以内)；

(2) 测点终端安装数量及位置符合要求。

## 4 本次验证所用主要测量设备

### 4.1 验证设备标准

1. 验证所使用的温度传感器应当经法定计量机构校准。

2. 验证所使用的温度传感器应当适用被验证设备的测量范围，其温度测量的最大允许误差为 $\pm 0.5^{\circ}\text{C}$ 。

3. 设备的校准证书复印件应当作为验证报告的必要附件。

### 4.2 验证设备描述

型号	品牌	测量范围	精度	分辨率	最小采集间隔
SVB-YZ-REC-02	世福宝	$-30\sim 70^{\circ}\text{C}$	$0.5^{\circ}\text{C}$	$0.1^{\circ}\text{C}$	1分钟
SVB-YZ-HOST	世福宝	$-30\sim 70^{\circ}\text{C}$	$0.5^{\circ}\text{C}$	$0.1^{\circ}\text{C}$	1分钟

### 4.3 验证设备清单

序号	型号	设备号	校准单位	校准证书	有效期	校准结果
1	SVB-YZ-REC-02	SF304070100 02230614831 8803	济南市计量 检定测试院	24001166819	2025-12-04	合格
2	SVB-YZ-REC-02	SF304070100 02230614812 6803	济南市计量 检定测试院	24001166764	2025-12-04	合格
3	SVB-YZ-REC-02	SF304070100 02230608819 8803	济南市计量 检定测试院	24001165271	2025-12-04	合格
4	SVB-YZ-REC-02	SF304070100 02230614828 5803	济南市计量 检定测试院	24001166813	2025-12-04	合格
5	SVB-YZ-REC-02	SF304070100 02230614820 0803	济南市计量 检定测试院	24001166795	2025-12-04	合格

序号	型号	设备号	校准单位	校准证书	有效期	校准结果
6	SVB-YZ-REC-02	SF304070100 02230614806 2803	济南市计量 检定测试院	24001166749	2025-12-04	合格
7	SVB-YZ-REC-02	SF304070100 02230614868 7803	济南市计量 检定测试院	24001166903	2025-12-04	合格
8	SVB-YZ-REC-02	SF304070100 02230614833 5803	济南市计量 检定测试院	24001166826	2025-12-04	合格
9	SVB-YZ-REC-02	SF304070100 02230614813 4803	济南市计量 检定测试院	24001166770	2025-12-04	合格
10	SVB-YZ-REC-02	SF304070100 02230614850 1803	济南市计量 检定测试院	24001166859	2025-12-04	合格
11	SVB-YZ-REC-02	SF304070100 02230614854 3803	济南市计量 检定测试院	24001166868	2025-12-04	合格
12	SVB-YZ-REC-02	SF304070100 02230614855 0803	济南市计量 检定测试院	24001166870	2025-12-04	合格
13	SVB-YZ-REC-02	SF304070100 02230614814 2803	济南市计量 检定测试院	24001166775	2025-12-04	合格
14	SVB-YZ-REC-02	SF304070100 02230614825 9803	济南市计量 检定测试院	24001166808	2025-12-04	合格
15	SVB-YZ-REC-02	SF304070100 02230614843 7803	济南市计量 检定测试院	24001166850	2025-12-04	合格
16	SVB-YZ-REC-02	SF304070100 02230608824 2803	济南市计量 检定测试院	24001165185	2025-12-04	合格

序号	型号	设备号	校准单位	校准证书	有效期	校准结果
17	SVB-YZ-REC-02	SF304070100 02230614864 0803	济南市计量 检定测试院	24001166893	2025-12-04	合格
18	SVB-YZ-REC-02	SF304070100 02230614839 3803	济南市计量 检定测试院	24001166842	2025-12-04	合格
19	SVB-YZ-REC-02	SF304070100 02230614806 7803	济南市计量 检定测试院	24001166751	2025-12-04	合格
20	SVB-YZ-REC-02	SF304070100 02230614859 6803	济南市计量 检定测试院	24001166883	2025-12-04	合格
21	SVB-YZ-REC-02	SF304070100 02230614811 4803	济南市计量 检定测试院	24001166760	2025-12-04	合格
22	SVB-YZ-REC-02	SF304070100 02230614802 1803	济南市计量 检定测试院	24001166739	2025-12-04	合格
23	SVB-YZ-REC-02	SF304070100 02230614818 6803	济南市计量 检定测试院	24001166789	2025-12-04	合格
24	SVB-YZ-REC-02	SF304070100 02230614863 0803	济南市计量 检定测试院	24001166891	2025-12-04	合格
25	SVB-YZ-REC-02	SF304070100 02230614836 9803	济南市计量 检定测试院	24001166834	2025-12-04	合格
26	SVB-YZ-REC-02	SF304070100 02230614815 7803	济南市计量 检定测试院	24001166781	2025-12-04	合格
27	SVB-YZ-REC-02	SF304070100 02230608824 1803	济南市计量 检定测试院	24001165184	2025-12-04	合格

序号	型号	设备号	校准单位	校准证书	有效期	校准结果
28	SVB-YZ-REC-02	SF304070100 02230614837 8803	济南市计量 检定测试院	24001166837	2025-12-04	合格
29	SVB-YZ-REC-02	SF304070100 02230614848 3803	济南市计量 检定测试院	24001166856	2025-12-04	合格
30	SVB-YZ-REC-02	SF304070100 02230614855 4803	济南市计量 检定测试院	24001166873	2025-12-04	合格
31	SVB-YZ-REC-02	SF304070100 02230614835 5803	济南市计量 检定测试院	24001166829	2025-12-04	合格
32	SVB-YZ-REC-02	SF304070100 02230614844 6803	济南市计量 检定测试院	24001166851	2025-12-04	合格
33	SVB-YZ-REC-02	SF304070100 02230614865 5803	济南市计量 检定测试院	24001166896	2025-12-04	合格
34	SVB-YZ-REC-02	SF304070100 02230614804 1803	济南市计量 检定测试院	24001166745	2025-12-04	合格
35	SVB-YZ-REC-02	SF304070100 02230608821 2803	济南市计量 检定测试院	24001165277	2025-12-04	合格
36	SVB-YZ-REC-02	SF304070100 02230614845 1803	济南市计量 检定测试院	24001166853	2025-12-04	合格
37	SVB-YZ-REC-02	SF304070100 02230614867 4803	济南市计量 检定测试院	24001166900	2025-12-04	合格
38	SVB-YZ-REC-02	SF304070100 02230614863 7803	济南市计量 检定测试院	24001166892	2025-12-04	合格

序号	型号	设备号	校准单位	校准证书	有效期	校准结果
39	SVB-YZ-REC-02	SF304070100 02230614812 4803	济南市计量 检定测试院	24001166763	2025-12-04	合格
40	SVB-YZ-REC-02	SF304070100 02230614826 3803	济南市计量 检定测试院	24001166809	2025-12-04	合格
41	SVB-YZ-REC-02	SF304070100 02230614816 3803	济南市计量 检定测试院	24001166784	2025-12-04	合格
42	SVB-YZ-REC-02	SF304070100 02230614844 8803	济南市计量 检定测试院	24001166852	2025-12-04	合格
43	SVB-YZ-REC-02	SF304070100 02230614867 0803	济南市计量 检定测试院	24001166899	2025-12-04	合格
44	SVB-YZ-REC-02	SF304070100 02230614825 4803	济南市计量 检定测试院	24001166806	2025-12-04	合格
45	SVB-YZ-REC-02	SF304070100 02230608804 0803	济南市计量 检定测试院	24001165228	2025-12-04	合格

## 5 验证对象

### 5.1 对象说明

名称	GB25-CK-01
长宽高(mm)	6450*4687*3500
面积(平米)	28.3
验证范围	10.0℃~30.0℃
验证状态	定期验证

### 5.2 验证项目

序号	验证项目
1	温控设施设备运行参数及使用状况测试

序号	验证项目
2	温度监测系统配置的测点终端安装位置确认
3	开门作业对温控库房温度分布影响的确认
4	设备故障或外部供电中断的状况下温控库房保温性能及变化趋势确定
5	存储空间温度的偏差、均匀度和波动度确认
6	本地区高温或低温等极端外部环境条件下的温度稳定性确认
7	风机除霜作业对温控库房温度分布影响的确认
8	多组风机轮换工作温控状况确认

### 5.3 布点依据

- 1、应在温控仓库内一次性同步布点。
- 2、每个温控仓库中均匀性布点数量不应少于9个, 仓间各角及中心位置均应布置测点。对于冷藏(冻)库每两个测点的水平间距不应大于5m, 垂直间距不应大于2m, 上层测点高度以风机下沿高度0.3m 或日常产品堆码最高位置为准, 测点距离设施底部不应大于最低储存高度; 对于其他温控仓库每两个测点的水平间距不应大于15m, 点位布置层数根据实际需要安装测点终端层数进行规划。
- 3、温控仓库每个作业出入口及风机出风口区域应至少布置5个测点, 温控仓库中每组货架或建筑结构的风向死角位置应至少布置3个测点。
- 4、应在温控设备的回风位置、温度监测系统测点终端的安装位置、门、窗以及照明设备等特殊区域布置测点。
- 5、测点均应布置在货位上或医药产品可能存放的位置。
- 6、除库区有导风带的情形外, 出风口、死角等设置多个测点的位置应覆盖相应的区域边界和中点, 包括不限于送风夹角的两边和中线。
- 7、应绘制测点分布示意图, 标明各测点序号, 并注明各序号对应的验证用温度记录仪编号。
- 8、温度监测系统测点终端与验证用温度记录仪距离不应大于0.1m。

### 5.4 测点布置

#### 5.4.1 布点示意图

#### 5.4.2 布点位置详表

序号	名称	位置编码	类型	设备型号	设备编号
1	中心点1	A01	中心点	SVB-YZ- REC-02	SF304070100022306148 318803
2	均匀布点2	A02	均匀布点	SVB-YZ- REC-02	SF304070100022306148 126803
3	均匀布点3	A03	均匀布点	SVB-YZ- REC-02	SF304070100022306088 198803

序号	名称	位置编码	类型	设备型号	设备编号
4	均匀布点4	A04	均匀布点	SVB-YZ- REC-02	SF304070100022306148 285803
5	均匀布点5	A05	均匀布点	SVB-YZ- REC-02	SF304070100022306148 200803
6	均匀布点6	A06	均匀布点	SVB-YZ- REC-02	SF304070100022306148 062803
7	均匀布点7	A07	均匀布点	SVB-YZ- REC-02	SF304070100022306148 687803
8	均匀布点8	A08	均匀布点	SVB-YZ- REC-02	SF304070100022306148 335803
9	均匀布点9	A09	均匀布点	SVB-YZ- REC-02	SF304070100022306148 134803
10	均匀布点 10	A10	均匀布点	SVB-YZ- REC-02	SF304070100022306148 501803
11	均匀布点 11	A11	均匀布点	SVB-YZ- REC-02	SF304070100022306148 543803
12	均匀布点 12	A12	均匀布点	SVB-YZ- REC-02	SF304070100022306148 550803
13	均匀布点 13	A13	均匀布点	SVB-YZ- REC-02	SF304070100022306148 142803
14	均匀布点 14	A14	均匀布点	SVB-YZ- REC-02	SF304070100022306148 259803
15	均匀布点 15	A15	均匀布点	SVB-YZ- REC-02	SF304070100022306148 437803
16	均匀布点 16	A16	均匀布点	SVB-YZ- REC-02	SF304070100022306088 242803
17	均匀布点 17	A17	均匀布点	SVB-YZ- REC-02	SF304070100022306148 640803
18	均匀布点 18	A18	均匀布点	SVB-YZ- REC-02	SF304070100022306148 393803
19	均匀布点 19	A19	均匀布点	SVB-YZ- REC-02	SF304070100022306148 067803
20	均匀布点 20	A20	均匀布点	SVB-YZ- REC-02	SF304070100022306148 596803

序号	名称	位置编码	类型	设备型号	设备编号
21	均匀布点 21	A21	均匀布点	SVB-YZ- REC-02	SF304070100022306148 114803
22	均匀布点 22	A22	均匀布点	SVB-YZ- REC-02	SF304070100022306148 021803
23	均匀布点 23	A23	均匀布点	SVB-YZ- REC-02	SF304070100022306148 186803
24	均匀布点 24	A24	均匀布点	SVB-YZ- REC-02	SF304070100022306148 630803
25	均匀布点 25	A25	均匀布点	SVB-YZ- REC-02	SF304070100022306148 369803
26	均匀布点 26	A26	均匀布点	SVB-YZ- REC-02	SF304070100022306148 157803
27	均匀布点 27	A27	均匀布点	SVB-YZ- REC-02	SF304070100022306088 241803
28	均匀布点 28	A28	均匀布点	SVB-YZ- REC-02	SF304070100022306148 378803
29	监测点位1	A29	监测位置	SVB-YZ- REC-02	SF304070100022306148 483803
30	监测点位2	A30	监测位置	SVB-YZ- REC-02	SF304070100022306148 554803
31	环境温度	A31	环境外温	SVB-YZ- REC-02	SF304070100022306148 355803
32	出入口1-1	A32	门	SVB-YZ- REC-02	SF304070100022306148 446803
33	出入口1-2	A33	门	SVB-YZ- REC-02	SF304070100022306148 655803
34	出入口1-3	A34	门	SVB-YZ- REC-02	SF304070100022306148 041803
35	出入口2-1	A35	门	SVB-YZ- REC-02	SF304070100022306088 212803
36	出入口2-2	A36	门	SVB-YZ- REC-02	SF304070100022306148 451803
37	出入口2-3	A37	门	SVB-YZ- REC-02	SF304070100022306148 674803

序号	名称	位置编码	类型	设备型号	设备编号
38	风机1-1	A38	风机	SVB-YZ- REC-02	SF304070100022306148 637803
39	风机1-2	A39	风机	SVB-YZ- REC-02	SF304070100022306148 124803
40	风机1-3	A40	风机	SVB-YZ- REC-02	SF304070100022306148 263803
41	风机2-1	A41	风机	SVB-YZ- REC-02	SF304070100022306148 163803
42	风机2-2	A42	风机	SVB-YZ- REC-02	SF304070100022306148 448803
43	风机2-3	A43	风机	SVB-YZ- REC-02	SF304070100022306148 670803
44	风机1-回 风口	A44	风机	SVB-YZ- REC-02	SF304070100022306148 254803
45	风机2-回 风口	A45	风机	SVB-YZ- REC-02	SF304070100022306088 040803

#### 5.4.3 现场照片

## 6 验证前准备及检查

### 6.1 验证对象准备工作

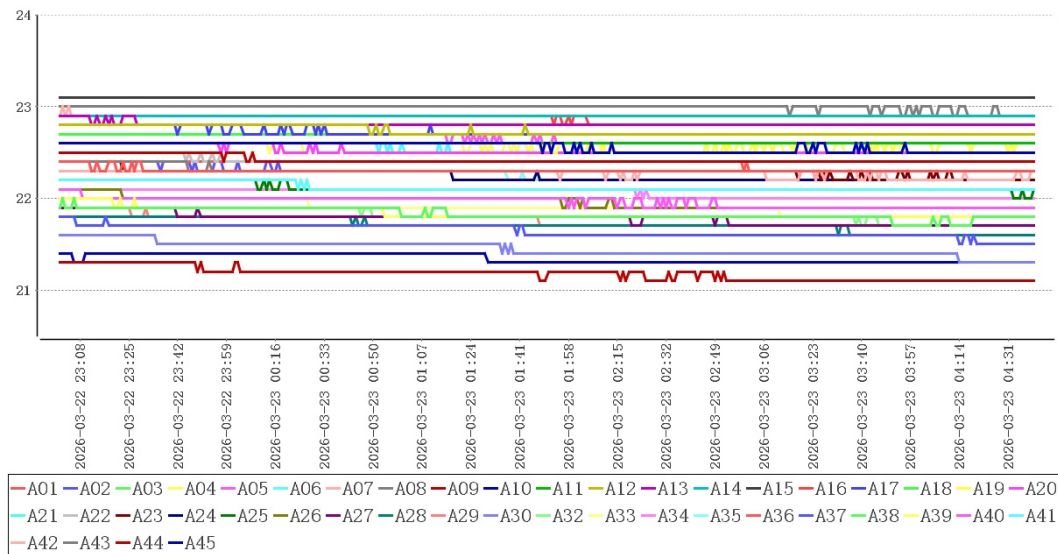
序号	检查项目	要求	结果
1	控制箱电源接通和关闭	制冷系统启动(停止)设备运行正常	合格
2	温度控制器及温湿度自动监测系统	a、可在允许范围内设定，自动调控温度 b、正常运行，可显示实际温度 c、能在规定的记录时段内正常记录温湿度变化的情况 d、温度异常时，自动报警系统开始工作	合格
3	照明灯	灯的开关正常	合格
4	密封门	开、关灵活，密封	合格

## 6.2 验证前项目实施准备工作

序号	操作内容	操作标准	结果
1	制冷压缩机安装	a、安装正确，无缺损 b、制冷效果正常	合格
2	冷风机安装	a、安装正确，无缺损 b、制冷效果正常	合格
3	冷库门板	a、密封性能良好、开关灵活 b、安装牢固，无缝隙	合格
4	地板	安装牢固，无缝隙	合格

## 7 验证项目实施

### 7.1 温控设施设备运行参数及使用状况测试

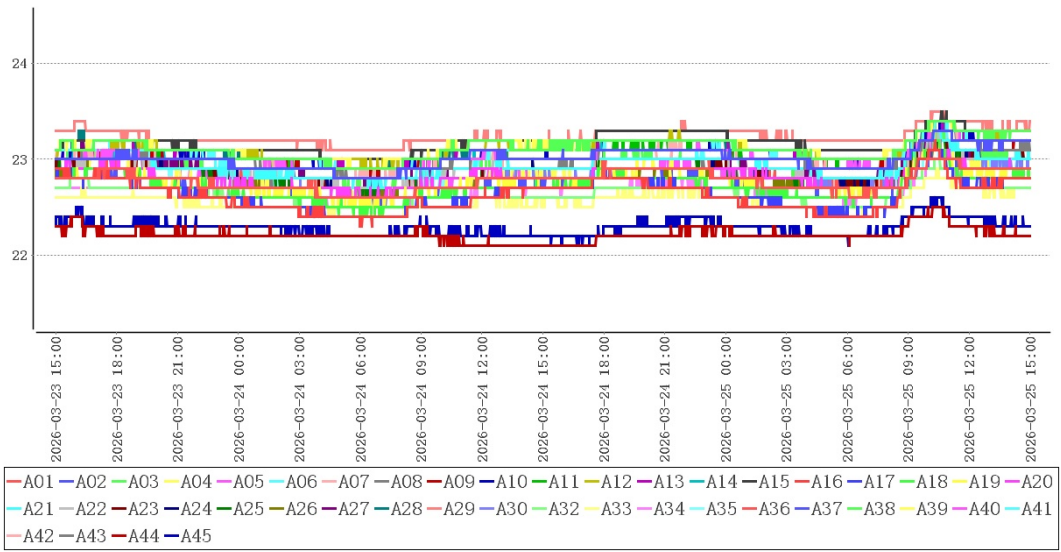


在环境温度处于 $21.8^{\circ}\text{C}\sim 22.0^{\circ}\text{C}$ 之间，温控设备工作参数如上表设置情况下，测试从2026-03-22 23:01:00到2026-03-23 04:40:00共持续339分钟，所有记录仪温度最终保持在 $10.0^{\circ}\text{C}\sim 30.0^{\circ}\text{C}$ 温区范围，满足大于等于20分钟稳定时间要求，温控设施设备运行参数设置合理，可以进行下一步的验证项目。

### 7.2 温度监测系统配置的测点终端安装位置确认

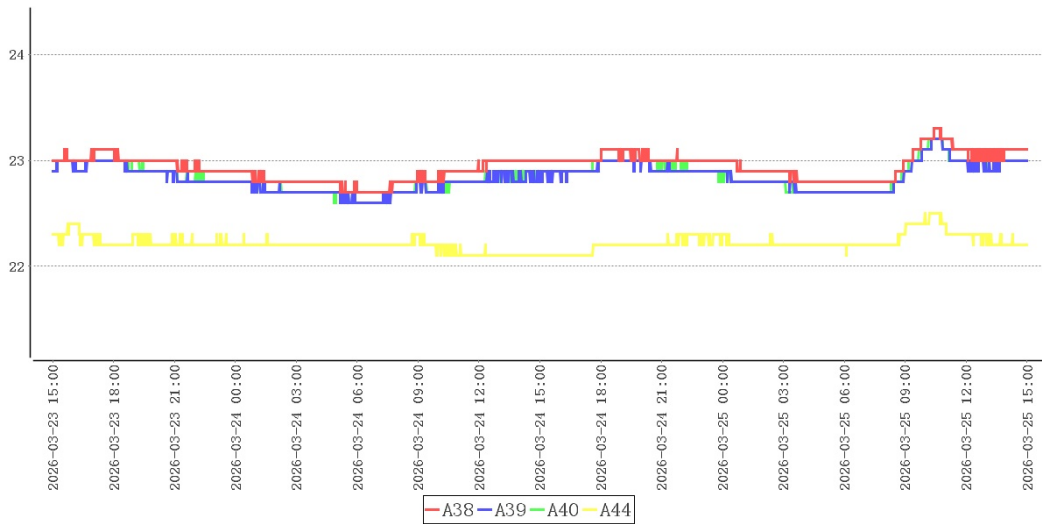
#### 7.2.1 温度分布特性测试

##### 7.2.1.1 温度分布测试



### 7.2.1.2 风机

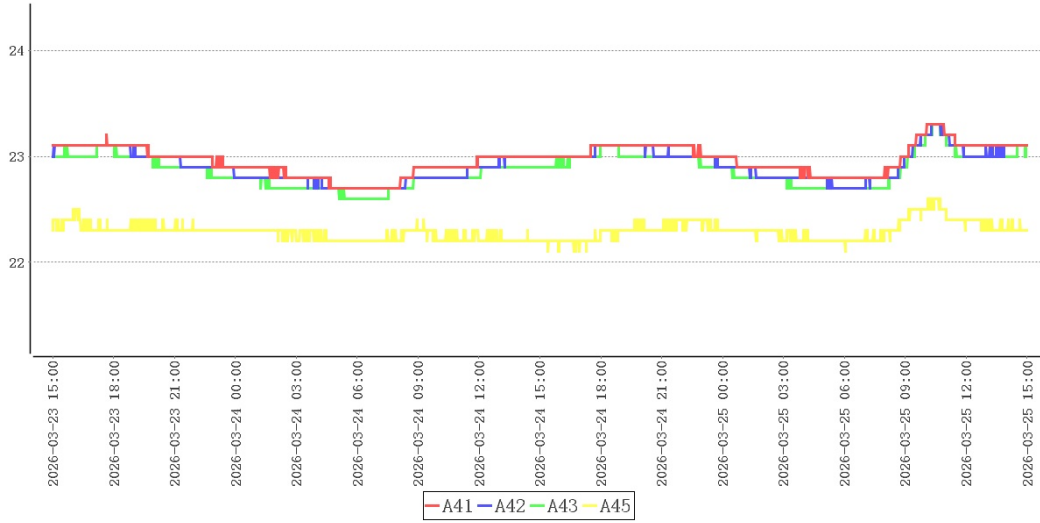
#### (1)、风机1



测点	最大值	最小值	平均值
A38	23.3	22.7	22.9
A39	23.2	22.6	22.8
A40	23.2	22.6	22.8
A44	22.5	22.1	22.2

检测项目	规范要求	检测结果	结论
风机1附近温度均匀性	全部测点温度范围 (10.0~30.0)℃	22.1~23.3℃	合格

## (2)、风机2

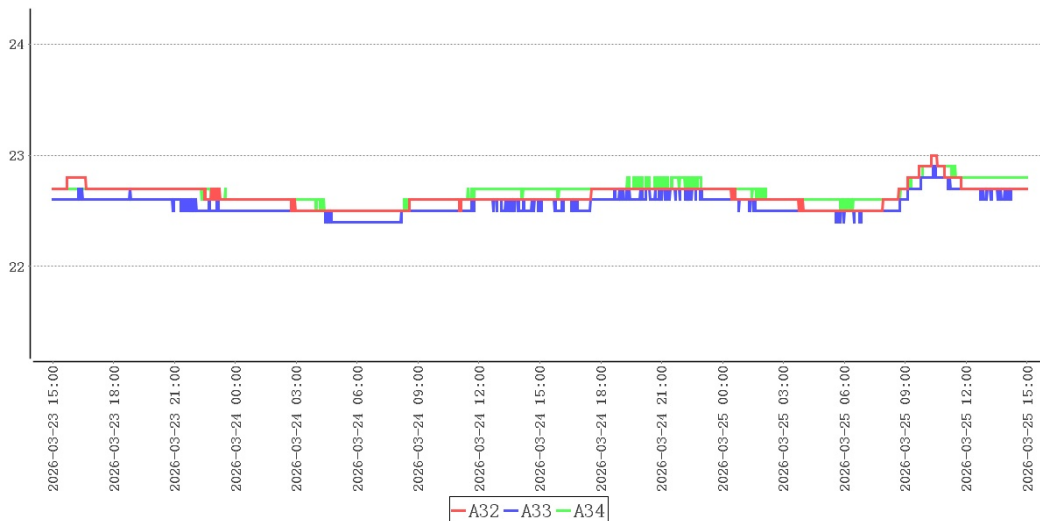


测点	最大值	最小值	平均值
A41	23.3	22.7	23.0
A42	23.3	22.7	22.9
A43	23.3	22.6	22.9
A45	22.6	22.1	22.3

检测项目	规范要求	检测结果	结论
风机2附近温度均匀性	全部测点温度范围 (10.0~30.0)℃	22.1~23.3℃	合格

### 7.2.1.3 出入口

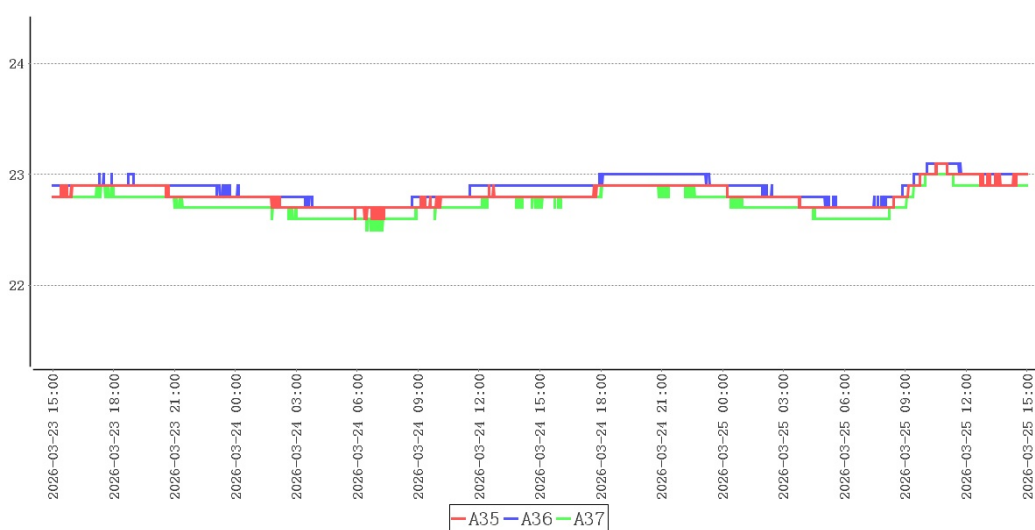
#### (1)、出入口1



测点	最大值	最小值	平均值
A32	23.0	22.5	22.6
A33	22.9	22.4	22.6
A34	22.9	22.5	22.7

检测项目	规范要求	检测结果	结论
出入口1附近温度均匀性	全部测点温度范围 (10.0~30.0)℃	22.4~23.0℃	合格

## (2)、出入口2



测点	最大值	最小值	平均值
A35	23.1	22.6	22.8
A36	23.1	22.7	22.9
A37	23.0	22.5	22.8

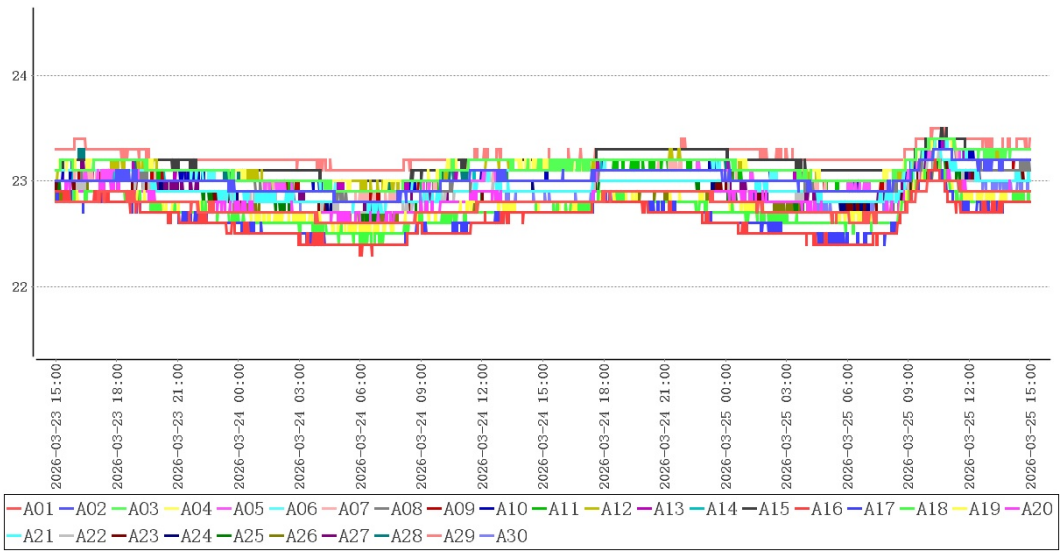
检测项目	规范要求	检测结果	结论
出入口2附近温度均匀性	全部测点温度范围 (10.0~30.0)℃	22.5~23.1℃	合格

### 7.2.1.4 适宜存放的安全位置及区域

根据以上分析，该冷库中除个别温度易超标区域不适合存放药品外，其他区域皆可放置。

不适合存放药品的区域有：风机出风口下沿正前方以上整体空间范围内，门口1米空间范围内。

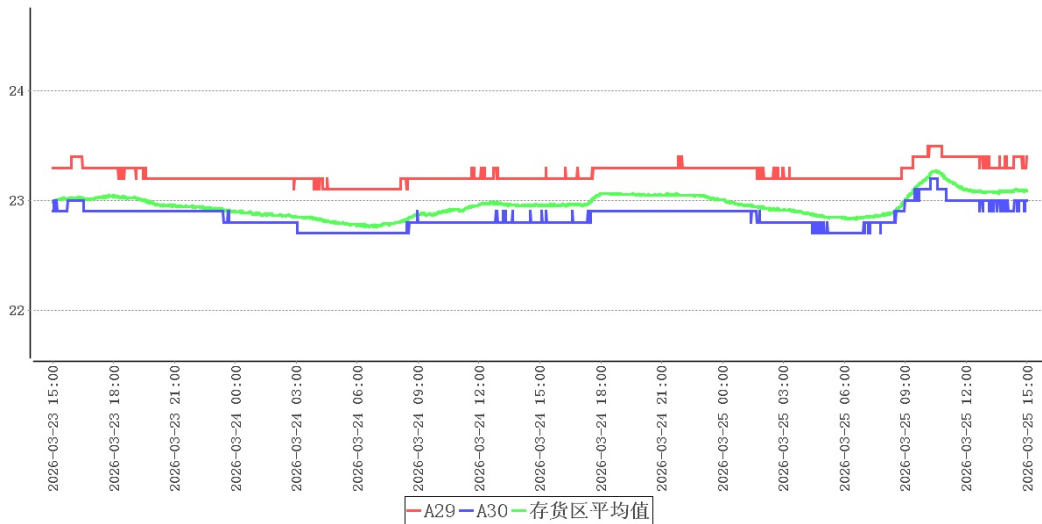
### 7.2.2 冷点、热点确认和监测点终端安装位置确认



结合温度分布特性可得出以下表格：

冷点热点表

测点	最大值	最小值	平均值
A15(热点)	23.5	23.0	23.2
A29(热点)	23.5	23.1	23.2
A16(冷点)	23.2	22.3	22.6
货区点位	23.5	22.3	23.0



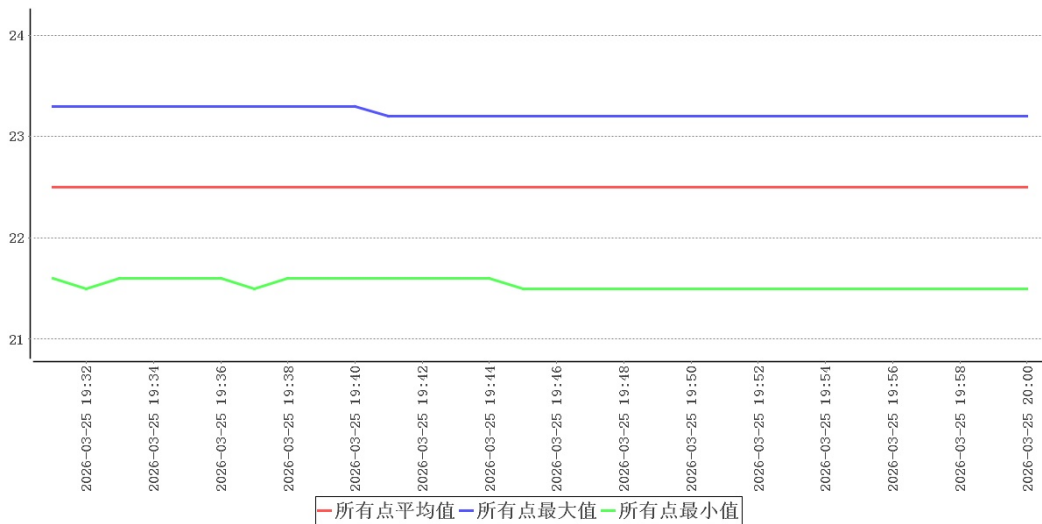
监测点位表

测点	最大值	最小值	平均值
A29	23.5	23.1	23.2
A30	23.2	22.7	22.8

结合库内高温敏感区、低温敏感区分析，库内热点为A15、A29，库内冷点为A16。当前监测点位A29即热点敏感区，符合监测点位设置要求。当前监测点位A30温度与冷点温度在 $\pm 1.0^{\circ}\text{C}$ 准确度误差之内，符合监测点位设置要求。

### 7.3 开门作业对温控仓库温度分布影响的确认

#### 7.3.1 出入口2开门测试



验证系统温度曲线



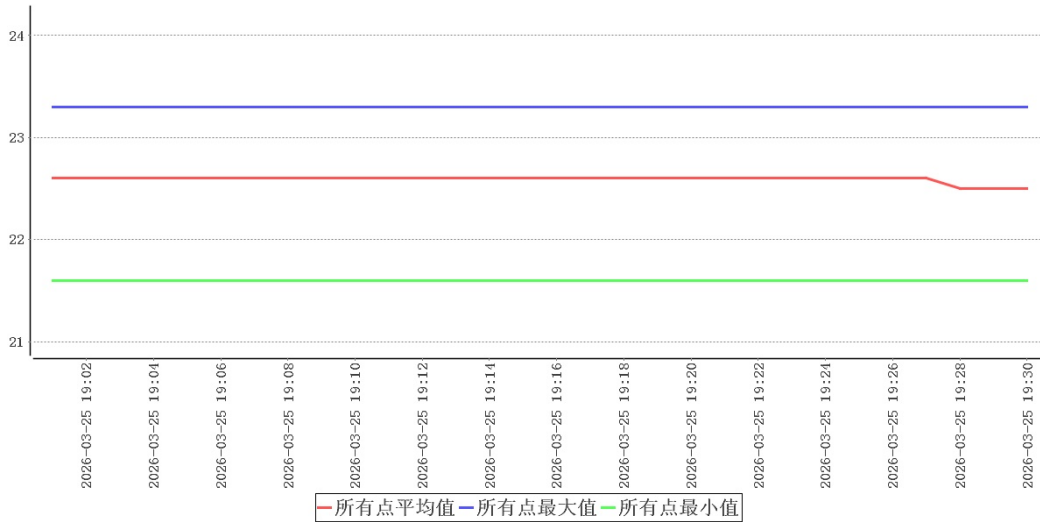
监测系统温度曲线

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时间	所有点最大值	所有点最小值	所有点平均值	环境外温	备注
2026-03-25 19:31:00	23.3	21.6	22.5	22.3	开门
2026-03-25 19:32:00	23.3	21.5	22.5	22.3	
2026-03-25 19:33:00	23.3	21.6	22.5	22.3	
2026-03-25 19:34:00	23.3	21.6	22.5	22.3	
2026-03-25 19:35:00	23.3	21.6	22.5	22.3	
2026-03-25 19:36:00	23.3	21.6	22.5	22.3	
2026-03-25 19:37:00	23.3	21.5	22.5	22.3	
2026-03-25 19:38:00	23.3	21.6	22.5	22.3	
2026-03-25 19:39:00	23.3	21.6	22.5	22.3	
2026-03-25 19:40:00	23.3	21.6	22.5	22.3	
2026-03-25 19:41:00	23.2	21.6	22.5	22.3	
2026-03-25 19:42:00	23.2	21.6	22.5	22.3	
2026-03-25 19:43:00	23.2	21.6	22.5	22.3	
2026-03-25 19:44:00	23.2	21.6	22.5	22.3	
2026-03-25 19:45:00	23.2	21.5	22.5	22.3	
2026-03-25 19:46:00	23.2	21.5	22.5	22.3	
2026-03-25 19:47:00	23.2	21.5	22.5	22.3	
2026-03-25 19:48:00	23.2	21.5	22.5	22.2	
2026-03-25 19:49:00	23.2	21.5	22.5	22.2	
2026-03-25 19:50:00	23.2	21.5	22.5	22.2	
2026-03-25 19:51:00	23.2	21.5	22.5	22.2	
2026-03-25 19:52:00	23.2	21.5	22.5	22.2	
2026-03-25 19:53:00	23.2	21.5	22.5	22.2	
2026-03-25 19:54:00	23.2	21.5	22.5	22.2	
2026-03-25 19:55:00	23.2	21.5	22.5	22.2	
2026-03-25 19:56:00	23.2	21.5	22.5	22.2	
2026-03-25 19:57:00	23.2	21.5	22.5	22.2	
2026-03-25 19:58:00	23.2	21.5	22.5	22.2	
2026-03-25 19:59:00	23.2	21.5	22.5	22.2	
2026-03-25 20:00:00	23.2	21.5	22.5	22.2	关门

出入口2在环境温度处于22.2℃~22.3℃情况下，共持续29分钟，各测点温度在21.5℃(A44)~23.3℃(A15)之间均未超温，同时温度监测系统各监测终端均未超温报警，综合考虑满足不超出温控范围10.0℃~30.0℃的开门时长为29分钟，满足规定时长10分钟要求，合格。

### 7.3.2 出入口1开门测试



验证系统温度曲线



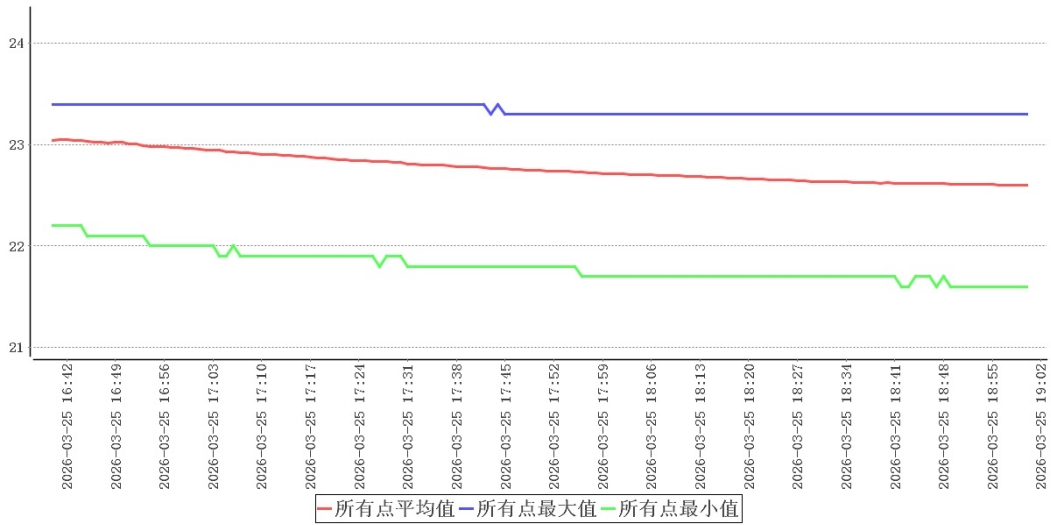
监测系统温度曲线

时间	所有点最大值	所有点最小值	所有点平均值	环境外温	备注
2026-03-25 19:01:00	23.3	21.6	22.6	22.3	开门
2026-03-25 19:02:00	23.3	21.6	22.6	22.3	
2026-03-25 19:03:00	23.3	21.6	22.6	22.3	
2026-03-25 19:04:00	23.3	21.6	22.6	22.3	

时间	所有点最大值	所有点最小值	所有点平均值	环境外温	备注
2026-03-25 19:05:00	23.3	21.6	22.6	22.3	
2026-03-25 19:06:00	23.3	21.6	22.6	22.3	
2026-03-25 19:07:00	23.3	21.6	22.6	22.3	
2026-03-25 19:08:00	23.3	21.6	22.6	22.3	
2026-03-25 19:09:00	23.3	21.6	22.6	22.3	
2026-03-25 19:10:00	23.3	21.6	22.6	22.3	
2026-03-25 19:11:00	23.3	21.6	22.6	22.3	
2026-03-25 19:12:00	23.3	21.6	22.6	22.3	
2026-03-25 19:13:00	23.3	21.6	22.6	22.3	
2026-03-25 19:14:00	23.3	21.6	22.6	22.3	
2026-03-25 19:15:00	23.3	21.6	22.6	22.3	
2026-03-25 19:16:00	23.3	21.6	22.6	22.3	
2026-03-25 19:17:00	23.3	21.6	22.6	22.3	
2026-03-25 19:18:00	23.3	21.6	22.6	22.3	
2026-03-25 19:19:00	23.3	21.6	22.6	22.3	
2026-03-25 19:20:00	23.3	21.6	22.6	22.3	
2026-03-25 19:21:00	23.3	21.6	22.6	22.3	
2026-03-25 19:22:00	23.3	21.6	22.6	22.3	
2026-03-25 19:23:00	23.3	21.6	22.6	22.3	
2026-03-25 19:24:00	23.3	21.6	22.6	22.3	
2026-03-25 19:25:00	23.3	21.6	22.6	22.3	
2026-03-25 19:26:00	23.3	21.6	22.6	22.3	
2026-03-25 19:27:00	23.3	21.6	22.6	22.3	
2026-03-25 19:28:00	23.3	21.6	22.5	22.3	
2026-03-25 19:29:00	23.3	21.6	22.5	22.3	
2026-03-25 19:30:00	23.3	21.6	22.5	22.3	关门

出入口1在环境温度处于22.3℃~22.3℃情况下，共持续29分钟，各测点温度在21.6℃ (A44, A45)~23.3℃ (A15)之间均未超温，同时温度监测系统各监测终端均未超温报警，综合考虑满足不超出温控范围10.0℃~30.0℃的开门时长为29分钟，满足规定时长15分钟要求，合格。

## 7.4 设备故障或外部供电中断的状况下温控仓库保温性能及变化趋势确定



验证系统温度曲线

断电开始时间	2026-03-25 16:40:00	断电结束时间	2026-03-25 19:00:00
断电测试期间最高温度	23.4℃	断电测试期间最低温度	21.6℃
升温最快的测点	A29	升温速率	0.009℃/分
平均外温	22.5℃	推断超温时限	120分钟

在环境温度处于22.3℃~23.3℃情况下,从2026-03-25 16:40:00断电开始至2026-03-25 19:00:00,累计测试时长为2小时20分钟期间最高温度为23.4℃,最低温度为21.6℃,按国标要求满足不超出温控范围10.0℃~30.0℃的断电保温时长为2小时;同时温度监测系统各监测终端均未超温报警,综合考虑满足不超出温控范围10.0℃~30.0℃的断电时长为120分钟,满足规定时长50分钟要求,合格。

## 7.5 存储空间温度的偏差、均匀度和波动度确认

### (1)、温度偏差

温度偏差指温控设施设备稳定状态下,测试空间的中心点在规定时间内多次实测温度的平均值与温度设定值的差值,计算公式:  $\Delta t_d = t_d - t_o$

式中:

$\Delta t_d$  ——温度偏差,单位为摄氏度(℃);

$t_d$  ——温度设定值,单位为摄氏度(℃);

$t_o$  ——中心点在规定时间内n次测量平均值,单位为摄氏度(℃)

点位类型	测点	设定值 (td)	平均值 (to)
中心点	A01	20.0	22.8

温度偏差 $\Delta t_d = t_d - t_o = -2.8^\circ\text{C}$

## (2)、均匀度

温度均匀度指温控设施设备稳定状态下, 测试空间各测点在规定时间内每次测量中实测最高温度与最低温度之差的算术平均值, 计算公式: $\Delta t_u = \Sigma (t_{imax} - t_{imin}) / n$

式中:

$\Delta t_u$  ——温度均匀度, 单位为摄氏度( $^\circ\text{C}$ );

$t_{imax}$  ——各测点在规定时间内第*i*次测得的最高温度, 单位为摄氏度( $^\circ\text{C}$ );

$t_{imin}$  ——各测点在规定时间内第*i*次测得的最低温度, 单位为摄氏度( $^\circ\text{C}$ )。

*n* ——测量次数。

各测点最大值和最小值见附录A: 各测点极值表

均匀度 $\Delta t_u = \Sigma (t_{imax} - t_{imin}) / n = 1.0^\circ\text{C}$

## (3)、波动度

温度波动度指温控设施设备稳定状态下, 测试空间的中心点在规定时间内多次实测最高温度与最低温度之差的一半, 计算公式: $\Delta t_f = \pm (t_{omax} - t_{omin}) / 2$

式中:

$\Delta t_f$  ——温度波动度, 单位为摄氏度( $^\circ\text{C}$ );

$t_{omax}$  ——中心点在规定时间内*n*次测量中的最高温度, 单位为摄氏度( $^\circ\text{C}$ );

$t_{omin}$  ——中心点在规定时间内*n*次测量中的最低温度, 单位为摄氏度( $^\circ\text{C}$ )。

点位类型	测点	最大值 (tomax)	最小值 (tomin)
中心点	A01	23.0	22.6

波动度 $\Delta t_f = \pm (t_{omax} - t_{omin}) / 2 = 0.2^\circ\text{C}$

## (4)、结论综述

点位类型	测点	最大值	最小值	平均值
中心点	A01	23.0	22.6	22.8
均匀布点	A02	23.3	22.8	23.0

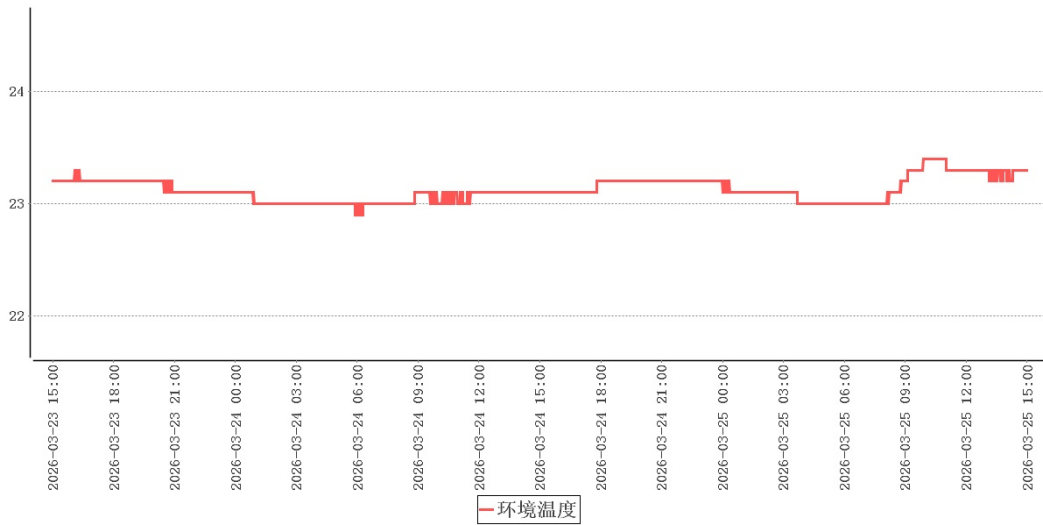
	A03	23.4	22.9	23.1
	A04	23.4	22.9	23.1
	A05	23.3	22.9	23.0
	A06	23.4	22.9	23.1
	A07	23.3	22.8	23.0
	A08	23.3	22.8	23.0
	A09	23.3	22.8	23.0
	A10	23.4	22.9	23.1
	A11	23.3	22.9	23.0
	A12	23.4	22.9	23.1
	A13	23.4	22.9	23.1
	A14	23.4	22.9	23.1
	A15	23.5	23.0	23.2
	A16	23.2	22.3	22.6
	A17	23.1	22.4	22.6
	A18	23.2	22.4	22.7
	A19	23.2	22.5	22.8
	A20	23.2	22.6	22.8
	A21	23.3	22.7	22.9
	A22	23.3	22.7	22.9
	A23	23.2	22.7	22.9
	A24	23.2	22.7	22.9
	A25	23.2	22.6	22.9
	A26	23.1	22.6	22.8
	A27	23.2	22.7	22.9
	A28	23.4	22.9	23.1
监测位置	A29	23.5	23.1	23.2
	A30	23.2	22.7	22.8
环境外温	A31	23.4	22.9	23.1
出入口	A32	23.0	22.5	22.6
	A33	22.9	22.4	22.6
	A34	22.9	22.5	22.7

	A35	23.1	22.6	22.8
	A36	23.1	22.7	22.9
	A37	23.0	22.5	22.8
风机	A38	23.3	22.7	22.9
	A39	23.2	22.6	22.8
	A40	23.2	22.6	22.8
	A41	23.3	22.7	23.0
	A42	23.3	22.7	22.9
	A43	23.3	22.6	22.9
	A44	22.5	22.1	22.2
	A45	22.6	22.1	22.3

在库房制冷系统温度控制参数符合设定要求、库房温度符合设定范围后，数据有效持续采集时间为48小时0分钟，在环境温度处于22.9℃~23.4℃情况下，库内各测点温度在22.1℃ (A44, A45)~23.5℃ (A15, A29)之间，未超出温控范围10.0℃~30.0℃。根据《GBT34399-2025医药产品冷链物流温控设施设备验证性能确认技术规范》附录A计算方法，温度偏差 $\Delta t_d = t_d - t_o = -2.8^\circ\text{C}$ 、波动度 $\Delta t_f = \pm (t_{\text{max}} - t_{\text{min}}) / 2 = 0.2^\circ\text{C}$ 、均匀度 $\Delta t_u = \sum (t_{\text{imax}} - t_{\text{imin}}) / n = 1.0^\circ\text{C}$ ，可知偏差、均匀度、波动度各项数值不高于 $\pm 3^\circ\text{C}$ ，符合国标要求。

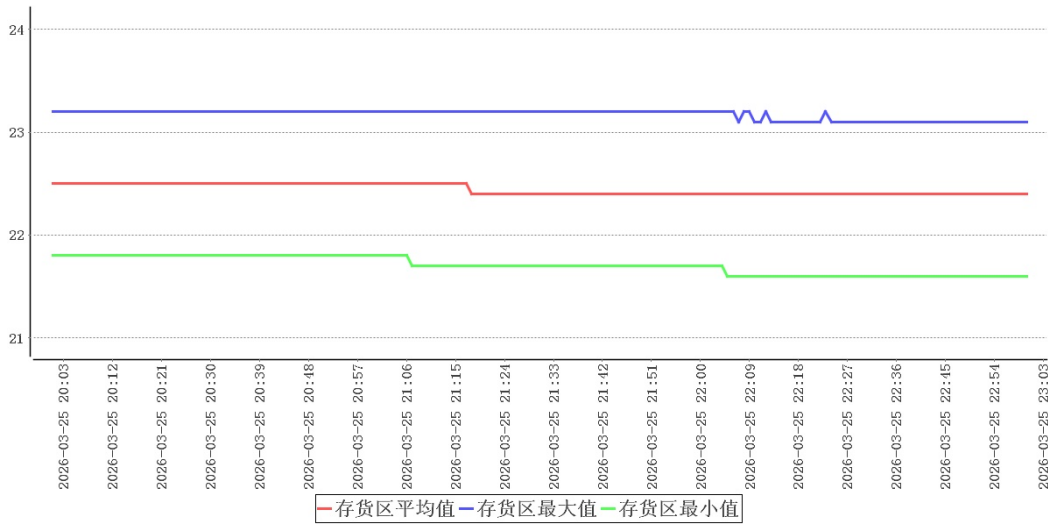
#### 7.6 本地区高温或低温等极端外部环境条件下的温度稳定性确认

外部温度	最大值	最小值	采集次数	平均值
仓库室外温度	23.4	22.9	2880次	23.1



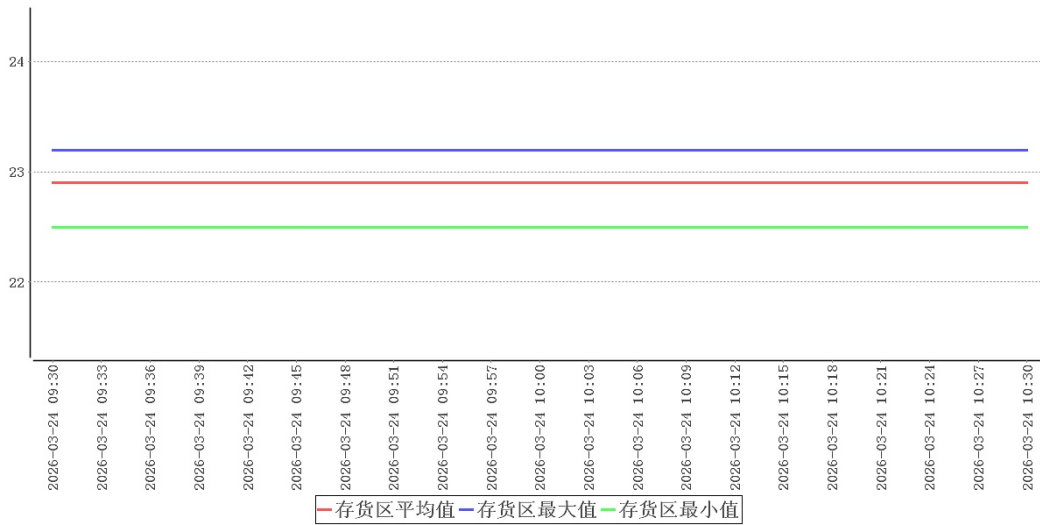
本次验证实施期间库外温度22.9℃~23.4℃，非本地区高温/低温环境，建议在高温/低温环境下再次实施极热/极寒验证。

### 7.7 风机除霜作业对温控仓库温度分布影响的确认

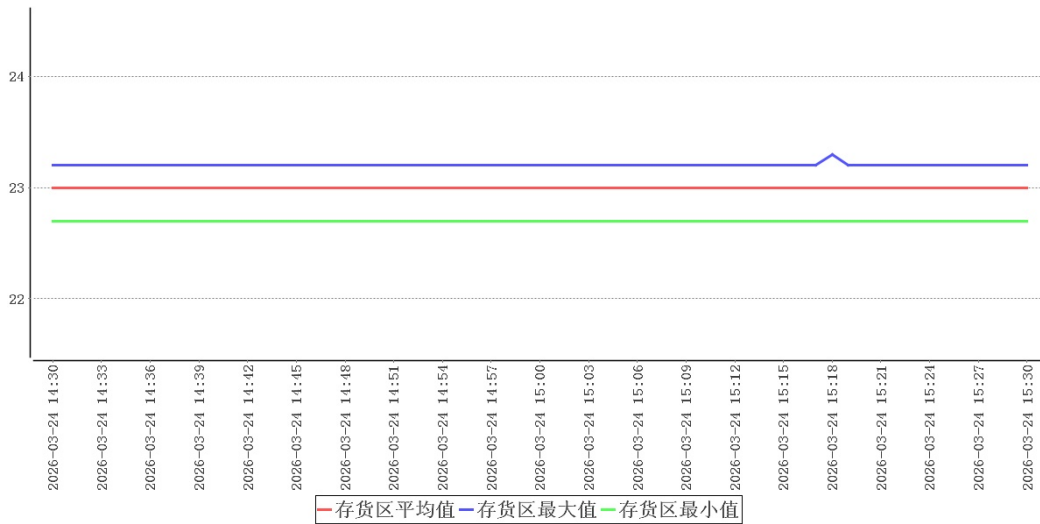


本次验证共持续2小时59分钟，在环境温度处于22.1℃~22.2℃情况下，各测点温度在21.3℃~23.2℃之间，未超出温控范围10.0℃~30.0℃。

### 7.8 多组温控设备轮流作业运行参数及使用状况测试



风机1启动时温度分布曲线



风机2启动时温度分布曲线

检测项目	时间	规范要求	检测结果	结论
风机1启动	2026-03-24 09:30:00~2026-03-24 10:30:00	全部测点温度范围 (10.0~30.0) °C	22.5°C~23 .2°C	合格
风机2启动	2026-03-24 14:30:00~2026-03-24 15:30:00	全部测点温度范围 (10.0~30.0) °C	22.7°C~23 .3°C	合格

从上表可以看出：当风机1开启时，库内温度最高点为23.2°C，库内温度最低点为22.5°C，符合10.0°C~30.0°C验证标准。当风机2开启时，库内温度最高点为23.3°C，库内温度最低点为22.7°C，符合10.0°C~30.0°C验证标准。

## 8 偏差处理

无

## 9 验证结论

序号	项目名称	结论
1	本地区高温或低温等极端外部环境条件下的温度稳定性确认	本次验证实施期间库外温度22.9℃~23.4℃，非本地区高温/低温环境，建议在高温/低温环境下再次实施极热/极寒验证。
2	存储空间温度的偏差、均匀度和波动度确认	在库房制冷系统温度控制参数符合设定要求、库房温度符合设定范围后，数据有效持续采集时间为48小时0分钟，在环境温度处于22.9℃~23.4℃情况下，库内各测点温度在22.1℃ (A44, A45)~23.5℃ (A15, A29)之间，未超出温控范围10.0℃~30.0℃。根据《GBT34399-2025医药产品冷链物流温控设施设备验证性能确认技术规范》附录A计算方法，温度偏差 $\Delta t_d = t_d - t_o = -2.8^\circ\text{C}$ 、波动度 $\Delta t_f = \pm (t_{\text{max}} - t_{\text{min}}) / 2 = 0.2^\circ\text{C}$ 、均匀度 $\Delta t_u = \Sigma (t_{\text{imax}} - t_{\text{imin}}) / n = 1.0^\circ\text{C}$ ，可知偏差、均匀度、波动度各项数值不高于 $\pm 3^\circ\text{C}$ ，符合国标要求。
3	温度监测系统配置的测点终端安装位置确认	结合库内高温敏感区、低温敏感区分析，库内热点为A15、A29，库内冷点为A16。当前监测点位A29即热点敏感区，符合监测点位设置要求。当前监测点位A30温度与冷点温度在 $\pm 1.0^\circ\text{C}$ 准确度误差之内，符合监测点位设置要求。
4	多组风机轮换工作温控状况确认	当风机1开启时，库内温度最高点为23.2℃，库内温度最低点为22.5℃，符合10.0℃~30.0℃验证标准。
5	多组风机轮换工作温控状况确认	当风机2开启时，库内温度最高点为23.3℃，库内温度最低点为22.7℃，符合10.0℃~30.0℃验证标准。
6	开门作业对温控库房温度分布影响的确认	出入口2在环境温度处于22.2℃~22.3℃情况下，共持续29分钟，各测点温度在21.5℃ (A44)~23.3℃ (A15)之间均未超温，同时温度监测系统各监测终端均未超温报警，综合考虑满足不超出温控范围10.0℃~30.0℃的开门时长为29分钟，满足规定时长10分钟要求，合格。

序号	项目名称	结论
7	开门作业对温控库房温度分布影响的确认	出入口1在环境温度处于22.3℃~22.3℃情况下，共持续29分钟，各测点温度在21.6℃(A44, A45)~23.3℃(A15)之间均未超温，同时温度监测系统各监测终端均未超温报警，综合考虑满足不超出温控范围10.0℃~30.0℃的开门时长为29分钟，满足规定时长15分钟要求，合格。
8	设备故障或外部供电中断的状况下温控库房保温性能及变化趋势确定	在环境温度处于22.3℃~23.3℃情况下,从2026-03-25 16:40:00断电开始至2026-03-25 19:00:00,累计测试时长为2小时20分钟期间最高温度为23.4℃，最低温度为21.6℃，按国标要求满足不超出温控范围10.0℃~30.0℃的断电保温时长为2小时;同时温度监测系统各监测终端均未超温报警，综合考虑满足不超出温控范围10.0℃~30.0℃的断电时长为120分钟，满足规定时长50分钟要求，合格。
9	风机除霜作业对温控库房温度分布影响的确认	本次验证共持续2小时59分钟，在环境温度处于22.1℃~22.2℃情况下，各测点温度在21.3℃~23.2℃之间，未超出温控范围10.0℃~30.0℃。
10	温控设施设备运行参数及使用状况测试	在环境温度处于21.8℃~22.0℃之间，温控设备工作参数如上表设置情况下，测试从2026-03-22 23:01:00到2026-03-23 04:40:00共持续339分钟，所有记录仪温度最终保持在10.0~30.0℃温区范围，满足大于等于20分钟稳定时间要求，温控设施设备运行参数设置合理，可以进行下一步的验证项目。

## 10 附件

1. 详见验证数据汇总
2. 详见验证设备的校准证书（法定计量单位出具）复印件

## 11 报告确认

经验证小组审批，各项确认结果均符合标准要求，批准投入使用，特此声明。

确认项目名称：GB25-CK-01常温满载验证

负责人 \_\_\_\_\_

附录A: 各测点极值表

时间	所有点最大值 (t <sub>imax</sub> )	所有点最小值 (t <sub>imin</sub> )	t <sub>imax</sub> -t <sub>imin</sub>
2026-03-23 15:00:00	23.3	22.3	1.0
2026-03-23 15:01:00	23.3	22.3	1.0
2026-03-23 15:02:00	23.3	22.3	1.0
2026-03-23 15:03:00	23.3	22.3	1.0
2026-03-23 15:04:00	23.3	22.3	1.0
2026-03-23 15:05:00	23.3	22.3	1.0
2026-03-23 15:06:00	23.3	22.3	1.0
2026-03-23 15:07:00	23.3	22.3	1.0
2026-03-23 15:08:00	23.3	22.3	1.0
2026-03-23 15:09:00	23.3	22.3	1.0
2026-03-23 15:10:00	23.3	22.3	1.0
2026-03-23 15:11:00	23.3	22.3	1.0
2026-03-23 15:12:00	23.3	22.3	1.0
2026-03-23 15:13:00	23.3	22.3	1.0
2026-03-23 15:14:00	23.3	22.3	1.0
2026-03-23 15:15:00	23.3	22.3	1.0
2026-03-23 15:16:00	23.3	22.3	1.0
2026-03-23 15:17:00	23.3	22.3	1.0
2026-03-23 15:18:00	23.3	22.2	1.1
2026-03-23 15:19:00	23.3	22.2	1.1
2026-03-23 15:20:00	23.3	22.2	1.1
2026-03-23 15:21:00	23.3	22.2	1.1
2026-03-23 15:22:00	23.3	22.2	1.1
2026-03-23 15:23:00	23.3	22.2	1.1
2026-03-23 15:24:00	23.3	22.3	1.0
2026-03-23 15:25:00	23.3	22.3	1.0
2026-03-23 15:26:00	23.3	22.3	1.0
2026-03-23 15:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 15:28:00	23.3	22.2	1.1
2026-03-23 15:29:00	23.3	22.2	1.1
2026-03-23 15:30:00	23.3	22.2	1.1
2026-03-23 15:31:00	23.3	22.3	1.0
2026-03-23 15:32:00	23.3	22.3	1.0
2026-03-23 15:33:00	23.3	22.3	1.0
2026-03-23 15:34:00	23.3	22.3	1.0
2026-03-23 15:35:00	23.3	22.3	1.0
2026-03-23 15:36:00	23.3	22.3	1.0
2026-03-23 15:37:00	23.3	22.3	1.0
2026-03-23 15:38:00	23.3	22.3	1.0
2026-03-23 15:39:00	23.3	22.3	1.0
2026-03-23 15:40:00	23.3	22.3	1.0
2026-03-23 15:41:00	23.3	22.3	1.0
2026-03-23 15:42:00	23.3	22.3	1.0
2026-03-23 15:43:00	23.3	22.3	1.0
2026-03-23 15:44:00	23.3	22.4	0.9
2026-03-23 15:45:00	23.3	22.3	1.0
2026-03-23 15:46:00	23.3	22.4	0.9
2026-03-23 15:47:00	23.3	22.3	1.0
2026-03-23 15:48:00	23.3	22.4	0.9
2026-03-23 15:49:00	23.3	22.4	0.9
2026-03-23 15:50:00	23.3	22.4	0.9
2026-03-23 15:51:00	23.3	22.4	0.9
2026-03-23 15:52:00	23.3	22.4	0.9
2026-03-23 15:53:00	23.3	22.4	0.9
2026-03-23 15:54:00	23.3	22.4	0.9
2026-03-23 15:55:00	23.4	22.4	1.0
2026-03-23 15:56:00	23.4	22.4	1.0
2026-03-23 15:57:00	23.4	22.4	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 15:58:00	23.4	22.4	1.0
2026-03-23 15:59:00	23.4	22.4	1.0
2026-03-23 16:00:00	23.4	22.4	1.0
2026-03-23 16:01:00	23.4	22.4	1.0
2026-03-23 16:02:00	23.4	22.4	1.0
2026-03-23 16:03:00	23.4	22.4	1.0
2026-03-23 16:04:00	23.4	22.4	1.0
2026-03-23 16:05:00	23.4	22.4	1.0
2026-03-23 16:06:00	23.4	22.4	1.0
2026-03-23 16:07:00	23.4	22.4	1.0
2026-03-23 16:08:00	23.4	22.4	1.0
2026-03-23 16:09:00	23.4	22.4	1.0
2026-03-23 16:10:00	23.4	22.4	1.0
2026-03-23 16:11:00	23.4	22.4	1.0
2026-03-23 16:12:00	23.4	22.4	1.0
2026-03-23 16:13:00	23.4	22.4	1.0
2026-03-23 16:14:00	23.4	22.4	1.0
2026-03-23 16:15:00	23.4	22.4	1.0
2026-03-23 16:16:00	23.4	22.4	1.0
2026-03-23 16:17:00	23.4	22.4	1.0
2026-03-23 16:18:00	23.4	22.4	1.0
2026-03-23 16:19:00	23.4	22.3	1.1
2026-03-23 16:20:00	23.4	22.3	1.1
2026-03-23 16:21:00	23.4	22.3	1.1
2026-03-23 16:22:00	23.4	22.2	1.2
2026-03-23 16:23:00	23.4	22.2	1.2
2026-03-23 16:24:00	23.4	22.3	1.1
2026-03-23 16:25:00	23.4	22.3	1.1
2026-03-23 16:26:00	23.4	22.2	1.2
2026-03-23 16:27:00	23.4	22.2	1.2

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 16:28:00	23.3	22.3	1.0
2026-03-23 16:29:00	23.3	22.3	1.0
2026-03-23 16:30:00	23.3	22.3	1.0
2026-03-23 16:31:00	23.3	22.3	1.0
2026-03-23 16:32:00	23.3	22.3	1.0
2026-03-23 16:33:00	23.3	22.3	1.0
2026-03-23 16:34:00	23.3	22.3	1.0
2026-03-23 16:35:00	23.3	22.3	1.0
2026-03-23 16:36:00	23.3	22.3	1.0
2026-03-23 16:37:00	23.3	22.3	1.0
2026-03-23 16:38:00	23.3	22.3	1.0
2026-03-23 16:39:00	23.3	22.3	1.0
2026-03-23 16:40:00	23.3	22.3	1.0
2026-03-23 16:41:00	23.3	22.3	1.0
2026-03-23 16:42:00	23.3	22.3	1.0
2026-03-23 16:43:00	23.3	22.3	1.0
2026-03-23 16:44:00	23.3	22.3	1.0
2026-03-23 16:45:00	23.3	22.3	1.0
2026-03-23 16:46:00	23.3	22.3	1.0
2026-03-23 16:47:00	23.3	22.3	1.0
2026-03-23 16:48:00	23.3	22.3	1.0
2026-03-23 16:49:00	23.3	22.3	1.0
2026-03-23 16:50:00	23.3	22.3	1.0
2026-03-23 16:51:00	23.3	22.3	1.0
2026-03-23 16:52:00	23.3	22.3	1.0
2026-03-23 16:53:00	23.3	22.3	1.0
2026-03-23 16:54:00	23.3	22.3	1.0
2026-03-23 16:55:00	23.3	22.3	1.0
2026-03-23 16:56:00	23.3	22.3	1.0
2026-03-23 16:57:00	23.3	22.3	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 16:58:00	23.3	22.3	1.0
2026-03-23 16:59:00	23.3	22.3	1.0
2026-03-23 17:00:00	23.3	22.3	1.0
2026-03-23 17:01:00	23.3	22.3	1.0
2026-03-23 17:02:00	23.3	22.2	1.1
2026-03-23 17:03:00	23.3	22.3	1.0
2026-03-23 17:04:00	23.3	22.2	1.1
2026-03-23 17:05:00	23.3	22.2	1.1
2026-03-23 17:06:00	23.3	22.2	1.1
2026-03-23 17:07:00	23.3	22.2	1.1
2026-03-23 17:08:00	23.3	22.2	1.1
2026-03-23 17:09:00	23.3	22.2	1.1
2026-03-23 17:10:00	23.3	22.3	1.0
2026-03-23 17:11:00	23.3	22.3	1.0
2026-03-23 17:12:00	23.3	22.2	1.1
2026-03-23 17:13:00	23.3	22.2	1.1
2026-03-23 17:14:00	23.3	22.3	1.0
2026-03-23 17:15:00	23.3	22.2	1.1
2026-03-23 17:16:00	23.3	22.3	1.0
2026-03-23 17:17:00	23.3	22.3	1.0
2026-03-23 17:18:00	23.3	22.3	1.0
2026-03-23 17:19:00	23.3	22.3	1.0
2026-03-23 17:20:00	23.3	22.3	1.0
2026-03-23 17:21:00	23.3	22.2	1.1
2026-03-23 17:22:00	23.3	22.2	1.1
2026-03-23 17:23:00	23.3	22.2	1.1
2026-03-23 17:24:00	23.3	22.2	1.1
2026-03-23 17:25:00	23.3	22.2	1.1
2026-03-23 17:26:00	23.3	22.2	1.1
2026-03-23 17:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 17:28:00	23.3	22.2	1.1
2026-03-23 17:29:00	23.3	22.2	1.1
2026-03-23 17:30:00	23.3	22.2	1.1
2026-03-23 17:31:00	23.3	22.2	1.1
2026-03-23 17:32:00	23.3	22.2	1.1
2026-03-23 17:33:00	23.3	22.2	1.1
2026-03-23 17:34:00	23.3	22.2	1.1
2026-03-23 17:35:00	23.3	22.2	1.1
2026-03-23 17:36:00	23.3	22.2	1.1
2026-03-23 17:37:00	23.3	22.2	1.1
2026-03-23 17:38:00	23.3	22.2	1.1
2026-03-23 17:39:00	23.3	22.2	1.1
2026-03-23 17:40:00	23.3	22.2	1.1
2026-03-23 17:41:00	23.3	22.2	1.1
2026-03-23 17:42:00	23.3	22.2	1.1
2026-03-23 17:43:00	23.3	22.2	1.1
2026-03-23 17:44:00	23.3	22.2	1.1
2026-03-23 17:45:00	23.3	22.2	1.1
2026-03-23 17:46:00	23.3	22.2	1.1
2026-03-23 17:47:00	23.3	22.2	1.1
2026-03-23 17:48:00	23.3	22.2	1.1
2026-03-23 17:49:00	23.3	22.2	1.1
2026-03-23 17:50:00	23.3	22.2	1.1
2026-03-23 17:51:00	23.3	22.2	1.1
2026-03-23 17:52:00	23.3	22.2	1.1
2026-03-23 17:53:00	23.3	22.2	1.1
2026-03-23 17:54:00	23.3	22.2	1.1
2026-03-23 17:55:00	23.3	22.2	1.1
2026-03-23 17:56:00	23.3	22.2	1.1
2026-03-23 17:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 17:58:00	23.3	22.2	1.1
2026-03-23 17:59:00	23.3	22.2	1.1
2026-03-23 18:00:00	23.3	22.2	1.1
2026-03-23 18:01:00	23.3	22.2	1.1
2026-03-23 18:02:00	23.3	22.2	1.1
2026-03-23 18:03:00	23.3	22.2	1.1
2026-03-23 18:04:00	23.3	22.2	1.1
2026-03-23 18:05:00	23.3	22.2	1.1
2026-03-23 18:06:00	23.3	22.2	1.1
2026-03-23 18:07:00	23.3	22.2	1.1
2026-03-23 18:08:00	23.3	22.2	1.1
2026-03-23 18:09:00	23.3	22.2	1.1
2026-03-23 18:10:00	23.3	22.2	1.1
2026-03-23 18:11:00	23.3	22.2	1.1
2026-03-23 18:12:00	23.3	22.2	1.1
2026-03-23 18:13:00	23.3	22.2	1.1
2026-03-23 18:14:00	23.2	22.2	1.0
2026-03-23 18:15:00	23.2	22.2	1.0
2026-03-23 18:16:00	23.2	22.2	1.0
2026-03-23 18:17:00	23.2	22.2	1.0
2026-03-23 18:18:00	23.3	22.2	1.1
2026-03-23 18:19:00	23.3	22.2	1.1
2026-03-23 18:20:00	23.3	22.2	1.1
2026-03-23 18:21:00	23.2	22.2	1.0
2026-03-23 18:22:00	23.3	22.2	1.1
2026-03-23 18:23:00	23.3	22.2	1.1
2026-03-23 18:24:00	23.3	22.2	1.1
2026-03-23 18:25:00	23.3	22.2	1.1
2026-03-23 18:26:00	23.2	22.2	1.0
2026-03-23 18:27:00	23.2	22.2	1.0

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 18:28:00	23.3	22.2	1.1
2026-03-23 18:29:00	23.3	22.2	1.1
2026-03-23 18:30:00	23.3	22.2	1.1
2026-03-23 18:31:00	23.2	22.2	1.0
2026-03-23 18:32:00	23.3	22.2	1.1
2026-03-23 18:33:00	23.3	22.2	1.1
2026-03-23 18:34:00	23.3	22.2	1.1
2026-03-23 18:35:00	23.3	22.2	1.1
2026-03-23 18:36:00	23.3	22.2	1.1
2026-03-23 18:37:00	23.3	22.2	1.1
2026-03-23 18:38:00	23.3	22.2	1.1
2026-03-23 18:39:00	23.3	22.2	1.1
2026-03-23 18:40:00	23.3	22.2	1.1
2026-03-23 18:41:00	23.3	22.2	1.1
2026-03-23 18:42:00	23.3	22.2	1.1
2026-03-23 18:43:00	23.3	22.2	1.1
2026-03-23 18:44:00	23.3	22.2	1.1
2026-03-23 18:45:00	23.3	22.2	1.1
2026-03-23 18:46:00	23.3	22.2	1.1
2026-03-23 18:47:00	23.3	22.2	1.1
2026-03-23 18:48:00	23.3	22.2	1.1
2026-03-23 18:49:00	23.3	22.2	1.1
2026-03-23 18:50:00	23.3	22.2	1.1
2026-03-23 18:51:00	23.3	22.2	1.1
2026-03-23 18:52:00	23.3	22.2	1.1
2026-03-23 18:53:00	23.3	22.2	1.1
2026-03-23 18:54:00	23.3	22.2	1.1
2026-03-23 18:55:00	23.3	22.2	1.1
2026-03-23 18:56:00	23.3	22.3	1.0
2026-03-23 18:57:00	23.3	22.3	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 18:58:00	23.3	22.3	1.0
2026-03-23 18:59:00	23.3	22.3	1.0
2026-03-23 19:00:00	23.3	22.3	1.0
2026-03-23 19:01:00	23.3	22.3	1.0
2026-03-23 19:02:00	23.3	22.3	1.0
2026-03-23 19:03:00	23.3	22.3	1.0
2026-03-23 19:04:00	23.3	22.3	1.0
2026-03-23 19:05:00	23.3	22.3	1.0
2026-03-23 19:06:00	23.2	22.3	0.9
2026-03-23 19:07:00	23.3	22.3	1.0
2026-03-23 19:08:00	23.3	22.3	1.0
2026-03-23 19:09:00	23.3	22.3	1.0
2026-03-23 19:10:00	23.3	22.3	1.0
2026-03-23 19:11:00	23.3	22.3	1.0
2026-03-23 19:12:00	23.3	22.3	1.0
2026-03-23 19:13:00	23.3	22.2	1.1
2026-03-23 19:14:00	23.3	22.3	1.0
2026-03-23 19:15:00	23.3	22.3	1.0
2026-03-23 19:16:00	23.3	22.3	1.0
2026-03-23 19:17:00	23.3	22.3	1.0
2026-03-23 19:18:00	23.3	22.2	1.1
2026-03-23 19:19:00	23.3	22.2	1.1
2026-03-23 19:20:00	23.3	22.2	1.1
2026-03-23 19:21:00	23.3	22.2	1.1
2026-03-23 19:22:00	23.3	22.3	1.0
2026-03-23 19:23:00	23.3	22.3	1.0
2026-03-23 19:24:00	23.3	22.3	1.0
2026-03-23 19:25:00	23.3	22.3	1.0
2026-03-23 19:26:00	23.3	22.3	1.0
2026-03-23 19:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 19:28:00	23.2	22.3	0.9
2026-03-23 19:29:00	23.3	22.3	1.0
2026-03-23 19:30:00	23.3	22.2	1.1
2026-03-23 19:31:00	23.3	22.2	1.1
2026-03-23 19:32:00	23.3	22.2	1.1
2026-03-23 19:33:00	23.3	22.3	1.0
2026-03-23 19:34:00	23.3	22.2	1.1
2026-03-23 19:35:00	23.3	22.2	1.1
2026-03-23 19:36:00	23.2	22.2	1.0
2026-03-23 19:37:00	23.2	22.2	1.0
2026-03-23 19:38:00	23.2	22.2	1.0
2026-03-23 19:39:00	23.2	22.3	0.9
2026-03-23 19:40:00	23.2	22.2	1.0
2026-03-23 19:41:00	23.2	22.2	1.0
2026-03-23 19:42:00	23.2	22.2	1.0
2026-03-23 19:43:00	23.2	22.2	1.0
2026-03-23 19:44:00	23.2	22.2	1.0
2026-03-23 19:45:00	23.2	22.2	1.0
2026-03-23 19:46:00	23.2	22.2	1.0
2026-03-23 19:47:00	23.2	22.2	1.0
2026-03-23 19:48:00	23.2	22.2	1.0
2026-03-23 19:49:00	23.2	22.3	0.9
2026-03-23 19:50:00	23.2	22.2	1.0
2026-03-23 19:51:00	23.2	22.2	1.0
2026-03-23 19:52:00	23.2	22.2	1.0
2026-03-23 19:53:00	23.2	22.2	1.0
2026-03-23 19:54:00	23.2	22.2	1.0
2026-03-23 19:55:00	23.2	22.2	1.0
2026-03-23 19:56:00	23.2	22.2	1.0
2026-03-23 19:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 19:58:00	23.2	22.2	1.0
2026-03-23 19:59:00	23.2	22.2	1.0
2026-03-23 20:00:00	23.2	22.2	1.0
2026-03-23 20:01:00	23.2	22.2	1.0
2026-03-23 20:02:00	23.2	22.2	1.0
2026-03-23 20:03:00	23.2	22.2	1.0
2026-03-23 20:04:00	23.2	22.2	1.0
2026-03-23 20:05:00	23.2	22.2	1.0
2026-03-23 20:06:00	23.2	22.2	1.0
2026-03-23 20:07:00	23.2	22.2	1.0
2026-03-23 20:08:00	23.2	22.2	1.0
2026-03-23 20:09:00	23.2	22.2	1.0
2026-03-23 20:10:00	23.2	22.2	1.0
2026-03-23 20:11:00	23.2	22.2	1.0
2026-03-23 20:12:00	23.2	22.2	1.0
2026-03-23 20:13:00	23.2	22.2	1.0
2026-03-23 20:14:00	23.2	22.2	1.0
2026-03-23 20:15:00	23.2	22.2	1.0
2026-03-23 20:16:00	23.2	22.2	1.0
2026-03-23 20:17:00	23.2	22.2	1.0
2026-03-23 20:18:00	23.2	22.2	1.0
2026-03-23 20:19:00	23.2	22.2	1.0
2026-03-23 20:20:00	23.2	22.2	1.0
2026-03-23 20:21:00	23.2	22.2	1.0
2026-03-23 20:22:00	23.2	22.2	1.0
2026-03-23 20:23:00	23.2	22.2	1.0
2026-03-23 20:24:00	23.2	22.2	1.0
2026-03-23 20:25:00	23.2	22.2	1.0
2026-03-23 20:26:00	23.2	22.2	1.0
2026-03-23 20:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 20:28:00	23.2	22.2	1.0
2026-03-23 20:29:00	23.2	22.2	1.0
2026-03-23 20:30:00	23.2	22.2	1.0
2026-03-23 20:31:00	23.2	22.2	1.0
2026-03-23 20:32:00	23.2	22.2	1.0
2026-03-23 20:33:00	23.2	22.2	1.0
2026-03-23 20:34:00	23.2	22.2	1.0
2026-03-23 20:35:00	23.2	22.2	1.0
2026-03-23 20:36:00	23.2	22.2	1.0
2026-03-23 20:37:00	23.2	22.2	1.0
2026-03-23 20:38:00	23.2	22.2	1.0
2026-03-23 20:39:00	23.2	22.2	1.0
2026-03-23 20:40:00	23.2	22.2	1.0
2026-03-23 20:41:00	23.2	22.2	1.0
2026-03-23 20:42:00	23.2	22.2	1.0
2026-03-23 20:43:00	23.2	22.2	1.0
2026-03-23 20:44:00	23.2	22.2	1.0
2026-03-23 20:45:00	23.2	22.2	1.0
2026-03-23 20:46:00	23.2	22.2	1.0
2026-03-23 20:47:00	23.2	22.2	1.0
2026-03-23 20:48:00	23.2	22.2	1.0
2026-03-23 20:49:00	23.2	22.2	1.0
2026-03-23 20:50:00	23.2	22.2	1.0
2026-03-23 20:51:00	23.2	22.2	1.0
2026-03-23 20:52:00	23.2	22.2	1.0
2026-03-23 20:53:00	23.2	22.3	0.9
2026-03-23 20:54:00	23.2	22.3	0.9
2026-03-23 20:55:00	23.2	22.2	1.0
2026-03-23 20:56:00	23.2	22.3	0.9
2026-03-23 20:57:00	23.2	22.3	0.9

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 20:58:00	23.2	22.3	0.9
2026-03-23 20:59:00	23.2	22.2	1.0
2026-03-23 21:00:00	23.2	22.2	1.0
2026-03-23 21:01:00	23.2	22.3	0.9
2026-03-23 21:02:00	23.2	22.3	0.9
2026-03-23 21:03:00	23.2	22.3	0.9
2026-03-23 21:04:00	23.2	22.3	0.9
2026-03-23 21:05:00	23.2	22.2	1.0
2026-03-23 21:06:00	23.2	22.2	1.0
2026-03-23 21:07:00	23.2	22.2	1.0
2026-03-23 21:08:00	23.2	22.2	1.0
2026-03-23 21:09:00	23.2	22.2	1.0
2026-03-23 21:10:00	23.2	22.2	1.0
2026-03-23 21:11:00	23.2	22.2	1.0
2026-03-23 21:12:00	23.2	22.2	1.0
2026-03-23 21:13:00	23.2	22.2	1.0
2026-03-23 21:14:00	23.2	22.2	1.0
2026-03-23 21:15:00	23.2	22.2	1.0
2026-03-23 21:16:00	23.2	22.2	1.0
2026-03-23 21:17:00	23.2	22.3	0.9
2026-03-23 21:18:00	23.2	22.2	1.0
2026-03-23 21:19:00	23.2	22.2	1.0
2026-03-23 21:20:00	23.2	22.2	1.0
2026-03-23 21:21:00	23.2	22.2	1.0
2026-03-23 21:22:00	23.2	22.2	1.0
2026-03-23 21:23:00	23.2	22.3	0.9
2026-03-23 21:24:00	23.2	22.3	0.9
2026-03-23 21:25:00	23.2	22.2	1.0
2026-03-23 21:26:00	23.2	22.2	1.0
2026-03-23 21:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 21:28:00	23.2	22.2	1.0
2026-03-23 21:29:00	23.2	22.2	1.0
2026-03-23 21:30:00	23.2	22.2	1.0
2026-03-23 21:31:00	23.2	22.2	1.0
2026-03-23 21:32:00	23.2	22.2	1.0
2026-03-23 21:33:00	23.2	22.2	1.0
2026-03-23 21:34:00	23.2	22.2	1.0
2026-03-23 21:35:00	23.2	22.2	1.0
2026-03-23 21:36:00	23.2	22.2	1.0
2026-03-23 21:37:00	23.2	22.2	1.0
2026-03-23 21:38:00	23.2	22.2	1.0
2026-03-23 21:39:00	23.2	22.2	1.0
2026-03-23 21:40:00	23.2	22.2	1.0
2026-03-23 21:41:00	23.2	22.2	1.0
2026-03-23 21:42:00	23.2	22.2	1.0
2026-03-23 21:43:00	23.2	22.2	1.0
2026-03-23 21:44:00	23.2	22.2	1.0
2026-03-23 21:45:00	23.2	22.2	1.0
2026-03-23 21:46:00	23.2	22.2	1.0
2026-03-23 21:47:00	23.2	22.2	1.0
2026-03-23 21:48:00	23.2	22.2	1.0
2026-03-23 21:49:00	23.2	22.2	1.0
2026-03-23 21:50:00	23.2	22.2	1.0
2026-03-23 21:51:00	23.2	22.3	0.9
2026-03-23 21:52:00	23.2	22.3	0.9
2026-03-23 21:53:00	23.2	22.2	1.0
2026-03-23 21:54:00	23.2	22.2	1.0
2026-03-23 21:55:00	23.2	22.2	1.0
2026-03-23 21:56:00	23.2	22.2	1.0
2026-03-23 21:57:00	23.2	22.2	1.0

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 21:58:00	23.2	22.2	1.0
2026-03-23 21:59:00	23.2	22.2	1.0
2026-03-23 22:00:00	23.2	22.2	1.0
2026-03-23 22:01:00	23.2	22.2	1.0
2026-03-23 22:02:00	23.2	22.2	1.0
2026-03-23 22:03:00	23.2	22.2	1.0
2026-03-23 22:04:00	23.2	22.2	1.0
2026-03-23 22:05:00	23.2	22.2	1.0
2026-03-23 22:06:00	23.2	22.2	1.0
2026-03-23 22:07:00	23.2	22.2	1.0
2026-03-23 22:08:00	23.2	22.2	1.0
2026-03-23 22:09:00	23.2	22.2	1.0
2026-03-23 22:10:00	23.2	22.2	1.0
2026-03-23 22:11:00	23.2	22.2	1.0
2026-03-23 22:12:00	23.2	22.2	1.0
2026-03-23 22:13:00	23.2	22.2	1.0
2026-03-23 22:14:00	23.2	22.2	1.0
2026-03-23 22:15:00	23.2	22.2	1.0
2026-03-23 22:16:00	23.2	22.2	1.0
2026-03-23 22:17:00	23.2	22.2	1.0
2026-03-23 22:18:00	23.2	22.2	1.0
2026-03-23 22:19:00	23.2	22.2	1.0
2026-03-23 22:20:00	23.2	22.2	1.0
2026-03-23 22:21:00	23.2	22.2	1.0
2026-03-23 22:22:00	23.2	22.2	1.0
2026-03-23 22:23:00	23.2	22.2	1.0
2026-03-23 22:24:00	23.2	22.2	1.0
2026-03-23 22:25:00	23.2	22.2	1.0
2026-03-23 22:26:00	23.2	22.2	1.0
2026-03-23 22:27:00	23.2	22.2	1.0

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 22:28:00	23.2	22.2	1.0
2026-03-23 22:29:00	23.2	22.2	1.0
2026-03-23 22:30:00	23.2	22.2	1.0
2026-03-23 22:31:00	23.2	22.2	1.0
2026-03-23 22:32:00	23.2	22.2	1.0
2026-03-23 22:33:00	23.2	22.2	1.0
2026-03-23 22:34:00	23.2	22.2	1.0
2026-03-23 22:35:00	23.2	22.2	1.0
2026-03-23 22:36:00	23.2	22.2	1.0
2026-03-23 22:37:00	23.2	22.2	1.0
2026-03-23 22:38:00	23.2	22.2	1.0
2026-03-23 22:39:00	23.2	22.2	1.0
2026-03-23 22:40:00	23.2	22.2	1.0
2026-03-23 22:41:00	23.2	22.2	1.0
2026-03-23 22:42:00	23.2	22.2	1.0
2026-03-23 22:43:00	23.2	22.2	1.0
2026-03-23 22:44:00	23.2	22.2	1.0
2026-03-23 22:45:00	23.2	22.2	1.0
2026-03-23 22:46:00	23.2	22.2	1.0
2026-03-23 22:47:00	23.2	22.2	1.0
2026-03-23 22:48:00	23.2	22.2	1.0
2026-03-23 22:49:00	23.2	22.2	1.0
2026-03-23 22:50:00	23.2	22.2	1.0
2026-03-23 22:51:00	23.2	22.2	1.0
2026-03-23 22:52:00	23.2	22.2	1.0
2026-03-23 22:53:00	23.2	22.2	1.0
2026-03-23 22:54:00	23.2	22.2	1.0
2026-03-23 22:55:00	23.2	22.2	1.0
2026-03-23 22:56:00	23.2	22.2	1.0
2026-03-23 22:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 22:58:00	23.2	22.2	1.0
2026-03-23 22:59:00	23.2	22.2	1.0
2026-03-23 23:00:00	23.2	22.2	1.0
2026-03-23 23:01:00	23.2	22.2	1.0
2026-03-23 23:02:00	23.2	22.2	1.0
2026-03-23 23:03:00	23.2	22.2	1.0
2026-03-23 23:04:00	23.2	22.2	1.0
2026-03-23 23:05:00	23.2	22.3	0.9
2026-03-23 23:06:00	23.2	22.2	1.0
2026-03-23 23:07:00	23.2	22.2	1.0
2026-03-23 23:08:00	23.2	22.2	1.0
2026-03-23 23:09:00	23.2	22.2	1.0
2026-03-23 23:10:00	23.2	22.2	1.0
2026-03-23 23:11:00	23.2	22.2	1.0
2026-03-23 23:12:00	23.2	22.2	1.0
2026-03-23 23:13:00	23.2	22.2	1.0
2026-03-23 23:14:00	23.2	22.2	1.0
2026-03-23 23:15:00	23.2	22.2	1.0
2026-03-23 23:16:00	23.2	22.3	0.9
2026-03-23 23:17:00	23.2	22.3	0.9
2026-03-23 23:18:00	23.2	22.3	0.9
2026-03-23 23:19:00	23.2	22.2	1.0
2026-03-23 23:20:00	23.2	22.2	1.0
2026-03-23 23:21:00	23.2	22.2	1.0
2026-03-23 23:22:00	23.2	22.2	1.0
2026-03-23 23:23:00	23.2	22.2	1.0
2026-03-23 23:24:00	23.2	22.2	1.0
2026-03-23 23:25:00	23.2	22.2	1.0
2026-03-23 23:26:00	23.2	22.2	1.0
2026-03-23 23:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 23:28:00	23.2	22.2	1.0
2026-03-23 23:29:00	23.2	22.2	1.0
2026-03-23 23:30:00	23.2	22.2	1.0
2026-03-23 23:31:00	23.2	22.2	1.0
2026-03-23 23:32:00	23.2	22.3	0.9
2026-03-23 23:33:00	23.2	22.2	1.0
2026-03-23 23:34:00	23.2	22.2	1.0
2026-03-23 23:35:00	23.2	22.2	1.0
2026-03-23 23:36:00	23.2	22.2	1.0
2026-03-23 23:37:00	23.2	22.2	1.0
2026-03-23 23:38:00	23.2	22.2	1.0
2026-03-23 23:39:00	23.2	22.2	1.0
2026-03-23 23:40:00	23.2	22.2	1.0
2026-03-23 23:41:00	23.2	22.2	1.0
2026-03-23 23:42:00	23.2	22.2	1.0
2026-03-23 23:43:00	23.2	22.2	1.0
2026-03-23 23:44:00	23.2	22.2	1.0
2026-03-23 23:45:00	23.2	22.2	1.0
2026-03-23 23:46:00	23.2	22.2	1.0
2026-03-23 23:47:00	23.2	22.2	1.0
2026-03-23 23:48:00	23.2	22.2	1.0
2026-03-23 23:49:00	23.2	22.2	1.0
2026-03-23 23:50:00	23.2	22.2	1.0
2026-03-23 23:51:00	23.2	22.2	1.0
2026-03-23 23:52:00	23.2	22.2	1.0
2026-03-23 23:53:00	23.2	22.2	1.0
2026-03-23 23:54:00	23.2	22.2	1.0
2026-03-23 23:55:00	23.2	22.2	1.0
2026-03-23 23:56:00	23.2	22.2	1.0
2026-03-23 23:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-23 23:58:00	23.2	22.2	1.0
2026-03-23 23:59:00	23.2	22.2	1.0
2026-03-24 00:00:00	23.2	22.2	1.0
2026-03-24 00:01:00	23.2	22.2	1.0
2026-03-24 00:02:00	23.2	22.2	1.0
2026-03-24 00:03:00	23.2	22.2	1.0
2026-03-24 00:04:00	23.2	22.2	1.0
2026-03-24 00:05:00	23.2	22.2	1.0
2026-03-24 00:06:00	23.2	22.2	1.0
2026-03-24 00:07:00	23.2	22.2	1.0
2026-03-24 00:08:00	23.2	22.2	1.0
2026-03-24 00:09:00	23.2	22.2	1.0
2026-03-24 00:10:00	23.2	22.2	1.0
2026-03-24 00:11:00	23.2	22.2	1.0
2026-03-24 00:12:00	23.2	22.2	1.0
2026-03-24 00:13:00	23.2	22.2	1.0
2026-03-24 00:14:00	23.2	22.2	1.0
2026-03-24 00:15:00	23.2	22.2	1.0
2026-03-24 00:16:00	23.2	22.2	1.0
2026-03-24 00:17:00	23.2	22.2	1.0
2026-03-24 00:18:00	23.2	22.2	1.0
2026-03-24 00:19:00	23.2	22.2	1.0
2026-03-24 00:20:00	23.2	22.2	1.0
2026-03-24 00:21:00	23.2	22.2	1.0
2026-03-24 00:22:00	23.2	22.2	1.0
2026-03-24 00:23:00	23.2	22.2	1.0
2026-03-24 00:24:00	23.2	22.2	1.0
2026-03-24 00:25:00	23.2	22.3	0.9
2026-03-24 00:26:00	23.2	22.2	1.0
2026-03-24 00:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 00:28:00	23.2	22.2	1.0
2026-03-24 00:29:00	23.2	22.2	1.0
2026-03-24 00:30:00	23.2	22.2	1.0
2026-03-24 00:31:00	23.2	22.2	1.0
2026-03-24 00:32:00	23.2	22.2	1.0
2026-03-24 00:33:00	23.2	22.2	1.0
2026-03-24 00:34:00	23.2	22.2	1.0
2026-03-24 00:35:00	23.2	22.2	1.0
2026-03-24 00:36:00	23.2	22.2	1.0
2026-03-24 00:37:00	23.2	22.2	1.0
2026-03-24 00:38:00	23.2	22.2	1.0
2026-03-24 00:39:00	23.2	22.2	1.0
2026-03-24 00:40:00	23.2	22.2	1.0
2026-03-24 00:41:00	23.2	22.2	1.0
2026-03-24 00:42:00	23.2	22.2	1.0
2026-03-24 00:43:00	23.2	22.2	1.0
2026-03-24 00:44:00	23.2	22.2	1.0
2026-03-24 00:45:00	23.2	22.2	1.0
2026-03-24 00:46:00	23.2	22.2	1.0
2026-03-24 00:47:00	23.2	22.2	1.0
2026-03-24 00:48:00	23.2	22.2	1.0
2026-03-24 00:49:00	23.2	22.2	1.0
2026-03-24 00:50:00	23.2	22.2	1.0
2026-03-24 00:51:00	23.2	22.2	1.0
2026-03-24 00:52:00	23.2	22.2	1.0
2026-03-24 00:53:00	23.2	22.2	1.0
2026-03-24 00:54:00	23.2	22.2	1.0
2026-03-24 00:55:00	23.2	22.2	1.0
2026-03-24 00:56:00	23.2	22.2	1.0
2026-03-24 00:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 00:58:00	23.2	22.2	1.0
2026-03-24 00:59:00	23.2	22.2	1.0
2026-03-24 01:00:00	23.2	22.2	1.0
2026-03-24 01:01:00	23.2	22.2	1.0
2026-03-24 01:02:00	23.2	22.2	1.0
2026-03-24 01:03:00	23.2	22.2	1.0
2026-03-24 01:04:00	23.2	22.2	1.0
2026-03-24 01:05:00	23.2	22.2	1.0
2026-03-24 01:06:00	23.2	22.2	1.0
2026-03-24 01:07:00	23.2	22.2	1.0
2026-03-24 01:08:00	23.2	22.2	1.0
2026-03-24 01:09:00	23.2	22.2	1.0
2026-03-24 01:10:00	23.2	22.2	1.0
2026-03-24 01:11:00	23.2	22.2	1.0
2026-03-24 01:12:00	23.2	22.2	1.0
2026-03-24 01:13:00	23.2	22.2	1.0
2026-03-24 01:14:00	23.2	22.2	1.0
2026-03-24 01:15:00	23.2	22.2	1.0
2026-03-24 01:16:00	23.2	22.2	1.0
2026-03-24 01:17:00	23.2	22.2	1.0
2026-03-24 01:18:00	23.2	22.2	1.0
2026-03-24 01:19:00	23.2	22.2	1.0
2026-03-24 01:20:00	23.2	22.2	1.0
2026-03-24 01:21:00	23.2	22.2	1.0
2026-03-24 01:22:00	23.2	22.2	1.0
2026-03-24 01:23:00	23.2	22.2	1.0
2026-03-24 01:24:00	23.2	22.2	1.0
2026-03-24 01:25:00	23.2	22.2	1.0
2026-03-24 01:26:00	23.2	22.2	1.0
2026-03-24 01:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 01:28:00	23.2	22.2	1.0
2026-03-24 01:29:00	23.2	22.2	1.0
2026-03-24 01:30:00	23.2	22.2	1.0
2026-03-24 01:31:00	23.2	22.2	1.0
2026-03-24 01:32:00	23.2	22.2	1.0
2026-03-24 01:33:00	23.2	22.3	0.9
2026-03-24 01:34:00	23.2	22.3	0.9
2026-03-24 01:35:00	23.2	22.2	1.0
2026-03-24 01:36:00	23.2	22.2	1.0
2026-03-24 01:37:00	23.2	22.2	1.0
2026-03-24 01:38:00	23.2	22.2	1.0
2026-03-24 01:39:00	23.2	22.2	1.0
2026-03-24 01:40:00	23.2	22.2	1.0
2026-03-24 01:41:00	23.2	22.2	1.0
2026-03-24 01:42:00	23.2	22.2	1.0
2026-03-24 01:43:00	23.2	22.2	1.0
2026-03-24 01:44:00	23.2	22.2	1.0
2026-03-24 01:45:00	23.2	22.2	1.0
2026-03-24 01:46:00	23.2	22.2	1.0
2026-03-24 01:47:00	23.2	22.2	1.0
2026-03-24 01:48:00	23.2	22.2	1.0
2026-03-24 01:49:00	23.2	22.2	1.0
2026-03-24 01:50:00	23.2	22.2	1.0
2026-03-24 01:51:00	23.2	22.2	1.0
2026-03-24 01:52:00	23.2	22.2	1.0
2026-03-24 01:53:00	23.2	22.2	1.0
2026-03-24 01:54:00	23.2	22.2	1.0
2026-03-24 01:55:00	23.2	22.2	1.0
2026-03-24 01:56:00	23.2	22.2	1.0
2026-03-24 01:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 01:58:00	23.2	22.2	1.0
2026-03-24 01:59:00	23.2	22.2	1.0
2026-03-24 02:00:00	23.2	22.2	1.0
2026-03-24 02:01:00	23.2	22.2	1.0
2026-03-24 02:02:00	23.2	22.2	1.0
2026-03-24 02:03:00	23.2	22.2	1.0
2026-03-24 02:04:00	23.2	22.2	1.0
2026-03-24 02:05:00	23.2	22.2	1.0
2026-03-24 02:06:00	23.2	22.2	1.0
2026-03-24 02:07:00	23.2	22.2	1.0
2026-03-24 02:08:00	23.2	22.2	1.0
2026-03-24 02:09:00	23.2	22.2	1.0
2026-03-24 02:10:00	23.2	22.2	1.0
2026-03-24 02:11:00	23.2	22.2	1.0
2026-03-24 02:12:00	23.2	22.2	1.0
2026-03-24 02:13:00	23.2	22.2	1.0
2026-03-24 02:14:00	23.2	22.2	1.0
2026-03-24 02:15:00	23.2	22.2	1.0
2026-03-24 02:16:00	23.2	22.2	1.0
2026-03-24 02:17:00	23.2	22.2	1.0
2026-03-24 02:18:00	23.2	22.2	1.0
2026-03-24 02:19:00	23.2	22.2	1.0
2026-03-24 02:20:00	23.2	22.2	1.0
2026-03-24 02:21:00	23.2	22.2	1.0
2026-03-24 02:22:00	23.2	22.2	1.0
2026-03-24 02:23:00	23.2	22.2	1.0
2026-03-24 02:24:00	23.2	22.2	1.0
2026-03-24 02:25:00	23.2	22.2	1.0
2026-03-24 02:26:00	23.2	22.2	1.0
2026-03-24 02:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 02:28:00	23.2	22.2	1.0
2026-03-24 02:29:00	23.2	22.2	1.0
2026-03-24 02:30:00	23.2	22.2	1.0
2026-03-24 02:31:00	23.2	22.2	1.0
2026-03-24 02:32:00	23.2	22.2	1.0
2026-03-24 02:33:00	23.2	22.2	1.0
2026-03-24 02:34:00	23.2	22.2	1.0
2026-03-24 02:35:00	23.2	22.2	1.0
2026-03-24 02:36:00	23.2	22.2	1.0
2026-03-24 02:37:00	23.2	22.2	1.0
2026-03-24 02:38:00	23.2	22.2	1.0
2026-03-24 02:39:00	23.2	22.2	1.0
2026-03-24 02:40:00	23.2	22.2	1.0
2026-03-24 02:41:00	23.2	22.2	1.0
2026-03-24 02:42:00	23.2	22.2	1.0
2026-03-24 02:43:00	23.2	22.2	1.0
2026-03-24 02:44:00	23.2	22.2	1.0
2026-03-24 02:45:00	23.2	22.2	1.0
2026-03-24 02:46:00	23.2	22.2	1.0
2026-03-24 02:47:00	23.2	22.2	1.0
2026-03-24 02:48:00	23.2	22.2	1.0
2026-03-24 02:49:00	23.2	22.2	1.0
2026-03-24 02:50:00	23.2	22.2	1.0
2026-03-24 02:51:00	23.2	22.2	1.0
2026-03-24 02:52:00	23.2	22.2	1.0
2026-03-24 02:53:00	23.1	22.2	0.9
2026-03-24 02:54:00	23.2	22.2	1.0
2026-03-24 02:55:00	23.2	22.2	1.0
2026-03-24 02:56:00	23.2	22.2	1.0
2026-03-24 02:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 02:58:00	23.2	22.2	1.0
2026-03-24 02:59:00	23.2	22.2	1.0
2026-03-24 03:00:00	23.2	22.2	1.0
2026-03-24 03:01:00	23.2	22.2	1.0
2026-03-24 03:02:00	23.2	22.2	1.0
2026-03-24 03:03:00	23.2	22.2	1.0
2026-03-24 03:04:00	23.2	22.2	1.0
2026-03-24 03:05:00	23.2	22.2	1.0
2026-03-24 03:06:00	23.2	22.2	1.0
2026-03-24 03:07:00	23.2	22.2	1.0
2026-03-24 03:08:00	23.2	22.2	1.0
2026-03-24 03:09:00	23.2	22.2	1.0
2026-03-24 03:10:00	23.2	22.2	1.0
2026-03-24 03:11:00	23.2	22.2	1.0
2026-03-24 03:12:00	23.2	22.2	1.0
2026-03-24 03:13:00	23.2	22.2	1.0
2026-03-24 03:14:00	23.2	22.2	1.0
2026-03-24 03:15:00	23.2	22.2	1.0
2026-03-24 03:16:00	23.2	22.2	1.0
2026-03-24 03:17:00	23.2	22.2	1.0
2026-03-24 03:18:00	23.2	22.2	1.0
2026-03-24 03:19:00	23.2	22.2	1.0
2026-03-24 03:20:00	23.2	22.2	1.0
2026-03-24 03:21:00	23.2	22.2	1.0
2026-03-24 03:22:00	23.2	22.2	1.0
2026-03-24 03:23:00	23.2	22.2	1.0
2026-03-24 03:24:00	23.2	22.2	1.0
2026-03-24 03:25:00	23.2	22.2	1.0
2026-03-24 03:26:00	23.2	22.2	1.0
2026-03-24 03:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 03:28:00	23.2	22.2	1.0
2026-03-24 03:29:00	23.2	22.2	1.0
2026-03-24 03:30:00	23.2	22.2	1.0
2026-03-24 03:31:00	23.2	22.2	1.0
2026-03-24 03:32:00	23.2	22.2	1.0
2026-03-24 03:33:00	23.2	22.2	1.0
2026-03-24 03:34:00	23.2	22.2	1.0
2026-03-24 03:35:00	23.2	22.2	1.0
2026-03-24 03:36:00	23.2	22.2	1.0
2026-03-24 03:37:00	23.2	22.2	1.0
2026-03-24 03:38:00	23.2	22.2	1.0
2026-03-24 03:39:00	23.2	22.2	1.0
2026-03-24 03:40:00	23.2	22.2	1.0
2026-03-24 03:41:00	23.2	22.2	1.0
2026-03-24 03:42:00	23.2	22.2	1.0
2026-03-24 03:43:00	23.2	22.2	1.0
2026-03-24 03:44:00	23.2	22.2	1.0
2026-03-24 03:45:00	23.2	22.2	1.0
2026-03-24 03:46:00	23.2	22.2	1.0
2026-03-24 03:47:00	23.2	22.2	1.0
2026-03-24 03:48:00	23.2	22.2	1.0
2026-03-24 03:49:00	23.2	22.2	1.0
2026-03-24 03:50:00	23.2	22.2	1.0
2026-03-24 03:51:00	23.2	22.2	1.0
2026-03-24 03:52:00	23.1	22.2	0.9
2026-03-24 03:53:00	23.1	22.2	0.9
2026-03-24 03:54:00	23.1	22.2	0.9
2026-03-24 03:55:00	23.1	22.2	0.9
2026-03-24 03:56:00	23.2	22.2	1.0
2026-03-24 03:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 03:58:00	23.2	22.2	1.0
2026-03-24 03:59:00	23.2	22.2	1.0
2026-03-24 04:00:00	23.2	22.2	1.0
2026-03-24 04:01:00	23.1	22.2	0.9
2026-03-24 04:02:00	23.2	22.2	1.0
2026-03-24 04:03:00	23.1	22.2	0.9
2026-03-24 04:04:00	23.1	22.2	0.9
2026-03-24 04:05:00	23.2	22.2	1.0
2026-03-24 04:06:00	23.2	22.2	1.0
2026-03-24 04:07:00	23.2	22.2	1.0
2026-03-24 04:08:00	23.1	22.2	0.9
2026-03-24 04:09:00	23.2	22.2	1.0
2026-03-24 04:10:00	23.2	22.2	1.0
2026-03-24 04:11:00	23.2	22.2	1.0
2026-03-24 04:12:00	23.2	22.2	1.0
2026-03-24 04:13:00	23.2	22.2	1.0
2026-03-24 04:14:00	23.2	22.2	1.0
2026-03-24 04:15:00	23.2	22.2	1.0
2026-03-24 04:16:00	23.2	22.2	1.0
2026-03-24 04:17:00	23.2	22.2	1.0
2026-03-24 04:18:00	23.2	22.2	1.0
2026-03-24 04:19:00	23.1	22.2	0.9
2026-03-24 04:20:00	23.1	22.2	0.9
2026-03-24 04:21:00	23.1	22.2	0.9
2026-03-24 04:22:00	23.1	22.2	0.9
2026-03-24 04:23:00	23.1	22.2	0.9
2026-03-24 04:24:00	23.1	22.2	0.9
2026-03-24 04:25:00	23.1	22.2	0.9
2026-03-24 04:26:00	23.1	22.2	0.9
2026-03-24 04:27:00	23.1	22.2	0.9

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 04:28:00	23.1	22.2	0.9
2026-03-24 04:29:00	23.1	22.2	0.9
2026-03-24 04:30:00	23.1	22.2	0.9
2026-03-24 04:31:00	23.1	22.2	0.9
2026-03-24 04:32:00	23.2	22.2	1.0
2026-03-24 04:33:00	23.1	22.2	0.9
2026-03-24 04:34:00	23.1	22.2	0.9
2026-03-24 04:35:00	23.1	22.2	0.9
2026-03-24 04:36:00	23.1	22.2	0.9
2026-03-24 04:37:00	23.1	22.2	0.9
2026-03-24 04:38:00	23.1	22.2	0.9
2026-03-24 04:39:00	23.1	22.2	0.9
2026-03-24 04:40:00	23.1	22.2	0.9
2026-03-24 04:41:00	23.1	22.2	0.9
2026-03-24 04:42:00	23.1	22.2	0.9
2026-03-24 04:43:00	23.1	22.2	0.9
2026-03-24 04:44:00	23.1	22.2	0.9
2026-03-24 04:45:00	23.1	22.2	0.9
2026-03-24 04:46:00	23.1	22.2	0.9
2026-03-24 04:47:00	23.1	22.2	0.9
2026-03-24 04:48:00	23.1	22.2	0.9
2026-03-24 04:49:00	23.1	22.2	0.9
2026-03-24 04:50:00	23.1	22.2	0.9
2026-03-24 04:51:00	23.1	22.2	0.9
2026-03-24 04:52:00	23.1	22.2	0.9
2026-03-24 04:53:00	23.1	22.2	0.9
2026-03-24 04:54:00	23.1	22.2	0.9
2026-03-24 04:55:00	23.1	22.2	0.9
2026-03-24 04:56:00	23.1	22.2	0.9
2026-03-24 04:57:00	23.1	22.2	0.9

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 04:58:00	23.1	22.2	0.9
2026-03-24 04:59:00	23.1	22.2	0.9
2026-03-24 05:00:00	23.1	22.2	0.9
2026-03-24 05:01:00	23.1	22.2	0.9
2026-03-24 05:02:00	23.1	22.2	0.9
2026-03-24 05:03:00	23.1	22.2	0.9
2026-03-24 05:04:00	23.1	22.2	0.9
2026-03-24 05:05:00	23.1	22.2	0.9
2026-03-24 05:06:00	23.1	22.2	0.9
2026-03-24 05:07:00	23.1	22.2	0.9
2026-03-24 05:08:00	23.1	22.2	0.9
2026-03-24 05:09:00	23.1	22.2	0.9
2026-03-24 05:10:00	23.1	22.2	0.9
2026-03-24 05:11:00	23.1	22.2	0.9
2026-03-24 05:12:00	23.1	22.2	0.9
2026-03-24 05:13:00	23.1	22.2	0.9
2026-03-24 05:14:00	23.1	22.2	0.9
2026-03-24 05:15:00	23.1	22.2	0.9
2026-03-24 05:16:00	23.1	22.2	0.9
2026-03-24 05:17:00	23.1	22.2	0.9
2026-03-24 05:18:00	23.1	22.2	0.9
2026-03-24 05:19:00	23.1	22.2	0.9
2026-03-24 05:20:00	23.1	22.2	0.9
2026-03-24 05:21:00	23.1	22.2	0.9
2026-03-24 05:22:00	23.1	22.2	0.9
2026-03-24 05:23:00	23.1	22.2	0.9
2026-03-24 05:24:00	23.1	22.2	0.9
2026-03-24 05:25:00	23.1	22.2	0.9
2026-03-24 05:26:00	23.1	22.2	0.9
2026-03-24 05:27:00	23.1	22.2	0.9

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 05:28:00	23.1	22.2	0.9
2026-03-24 05:29:00	23.1	22.2	0.9
2026-03-24 05:30:00	23.1	22.2	0.9
2026-03-24 05:31:00	23.1	22.2	0.9
2026-03-24 05:32:00	23.1	22.2	0.9
2026-03-24 05:33:00	23.1	22.2	0.9
2026-03-24 05:34:00	23.1	22.2	0.9
2026-03-24 05:35:00	23.1	22.2	0.9
2026-03-24 05:36:00	23.1	22.2	0.9
2026-03-24 05:37:00	23.1	22.2	0.9
2026-03-24 05:38:00	23.1	22.2	0.9
2026-03-24 05:39:00	23.1	22.2	0.9
2026-03-24 05:40:00	23.1	22.2	0.9
2026-03-24 05:41:00	23.1	22.2	0.9
2026-03-24 05:42:00	23.1	22.2	0.9
2026-03-24 05:43:00	23.1	22.2	0.9
2026-03-24 05:44:00	23.1	22.2	0.9
2026-03-24 05:45:00	23.1	22.2	0.9
2026-03-24 05:46:00	23.1	22.2	0.9
2026-03-24 05:47:00	23.1	22.2	0.9
2026-03-24 05:48:00	23.1	22.2	0.9
2026-03-24 05:49:00	23.1	22.2	0.9
2026-03-24 05:50:00	23.1	22.2	0.9
2026-03-24 05:51:00	23.1	22.2	0.9
2026-03-24 05:52:00	23.1	22.2	0.9
2026-03-24 05:53:00	23.1	22.2	0.9
2026-03-24 05:54:00	23.1	22.2	0.9
2026-03-24 05:55:00	23.1	22.2	0.9
2026-03-24 05:56:00	23.1	22.2	0.9
2026-03-24 05:57:00	23.1	22.2	0.9

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 05:58:00	23.1	22.2	0.9
2026-03-24 05:59:00	23.1	22.2	0.9
2026-03-24 06:00:00	23.1	22.2	0.9
2026-03-24 06:01:00	23.1	22.2	0.9
2026-03-24 06:02:00	23.1	22.2	0.9
2026-03-24 06:03:00	23.1	22.2	0.9
2026-03-24 06:04:00	23.1	22.2	0.9
2026-03-24 06:05:00	23.1	22.2	0.9
2026-03-24 06:06:00	23.1	22.2	0.9
2026-03-24 06:07:00	23.1	22.2	0.9
2026-03-24 06:08:00	23.1	22.2	0.9
2026-03-24 06:09:00	23.1	22.2	0.9
2026-03-24 06:10:00	23.1	22.2	0.9
2026-03-24 06:11:00	23.1	22.2	0.9
2026-03-24 06:12:00	23.1	22.2	0.9
2026-03-24 06:13:00	23.1	22.2	0.9
2026-03-24 06:14:00	23.1	22.2	0.9
2026-03-24 06:15:00	23.1	22.2	0.9
2026-03-24 06:16:00	23.1	22.2	0.9
2026-03-24 06:17:00	23.1	22.2	0.9
2026-03-24 06:18:00	23.1	22.2	0.9
2026-03-24 06:19:00	23.1	22.2	0.9
2026-03-24 06:20:00	23.1	22.2	0.9
2026-03-24 06:21:00	23.1	22.2	0.9
2026-03-24 06:22:00	23.1	22.2	0.9
2026-03-24 06:23:00	23.1	22.2	0.9
2026-03-24 06:24:00	23.1	22.2	0.9
2026-03-24 06:25:00	23.1	22.2	0.9
2026-03-24 06:26:00	23.1	22.2	0.9
2026-03-24 06:27:00	23.1	22.2	0.9

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 06:28:00	23.1	22.2	0.9
2026-03-24 06:29:00	23.1	22.2	0.9
2026-03-24 06:30:00	23.1	22.2	0.9
2026-03-24 06:31:00	23.1	22.2	0.9
2026-03-24 06:32:00	23.1	22.2	0.9
2026-03-24 06:33:00	23.1	22.2	0.9
2026-03-24 06:34:00	23.1	22.2	0.9
2026-03-24 06:35:00	23.1	22.2	0.9
2026-03-24 06:36:00	23.1	22.2	0.9
2026-03-24 06:37:00	23.1	22.2	0.9
2026-03-24 06:38:00	23.1	22.2	0.9
2026-03-24 06:39:00	23.1	22.2	0.9
2026-03-24 06:40:00	23.1	22.2	0.9
2026-03-24 06:41:00	23.1	22.2	0.9
2026-03-24 06:42:00	23.1	22.2	0.9
2026-03-24 06:43:00	23.1	22.2	0.9
2026-03-24 06:44:00	23.1	22.2	0.9
2026-03-24 06:45:00	23.1	22.2	0.9
2026-03-24 06:46:00	23.1	22.2	0.9
2026-03-24 06:47:00	23.1	22.2	0.9
2026-03-24 06:48:00	23.1	22.2	0.9
2026-03-24 06:49:00	23.1	22.2	0.9
2026-03-24 06:50:00	23.1	22.2	0.9
2026-03-24 06:51:00	23.1	22.2	0.9
2026-03-24 06:52:00	23.1	22.2	0.9
2026-03-24 06:53:00	23.1	22.2	0.9
2026-03-24 06:54:00	23.1	22.2	0.9
2026-03-24 06:55:00	23.1	22.2	0.9
2026-03-24 06:56:00	23.1	22.2	0.9
2026-03-24 06:57:00	23.1	22.2	0.9

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 06:58:00	23.1	22.2	0.9
2026-03-24 06:59:00	23.1	22.2	0.9
2026-03-24 07:00:00	23.1	22.2	0.9
2026-03-24 07:01:00	23.1	22.2	0.9
2026-03-24 07:02:00	23.1	22.2	0.9
2026-03-24 07:03:00	23.1	22.2	0.9
2026-03-24 07:04:00	23.1	22.2	0.9
2026-03-24 07:05:00	23.1	22.2	0.9
2026-03-24 07:06:00	23.1	22.2	0.9
2026-03-24 07:07:00	23.1	22.2	0.9
2026-03-24 07:08:00	23.1	22.2	0.9
2026-03-24 07:09:00	23.1	22.2	0.9
2026-03-24 07:10:00	23.1	22.2	0.9
2026-03-24 07:11:00	23.1	22.2	0.9
2026-03-24 07:12:00	23.1	22.2	0.9
2026-03-24 07:13:00	23.1	22.2	0.9
2026-03-24 07:14:00	23.1	22.2	0.9
2026-03-24 07:15:00	23.1	22.2	0.9
2026-03-24 07:16:00	23.1	22.2	0.9
2026-03-24 07:17:00	23.1	22.2	0.9
2026-03-24 07:18:00	23.1	22.2	0.9
2026-03-24 07:19:00	23.1	22.2	0.9
2026-03-24 07:20:00	23.1	22.2	0.9
2026-03-24 07:21:00	23.1	22.2	0.9
2026-03-24 07:22:00	23.1	22.2	0.9
2026-03-24 07:23:00	23.1	22.2	0.9
2026-03-24 07:24:00	23.1	22.2	0.9
2026-03-24 07:25:00	23.1	22.2	0.9
2026-03-24 07:26:00	23.1	22.2	0.9
2026-03-24 07:27:00	23.1	22.2	0.9

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 07:28:00	23.1	22.2	0.9
2026-03-24 07:29:00	23.1	22.2	0.9
2026-03-24 07:30:00	23.1	22.2	0.9
2026-03-24 07:31:00	23.1	22.2	0.9
2026-03-24 07:32:00	23.1	22.2	0.9
2026-03-24 07:33:00	23.1	22.2	0.9
2026-03-24 07:34:00	23.1	22.2	0.9
2026-03-24 07:35:00	23.1	22.2	0.9
2026-03-24 07:36:00	23.1	22.2	0.9
2026-03-24 07:37:00	23.1	22.2	0.9
2026-03-24 07:38:00	23.1	22.2	0.9
2026-03-24 07:39:00	23.1	22.2	0.9
2026-03-24 07:40:00	23.1	22.2	0.9
2026-03-24 07:41:00	23.1	22.2	0.9
2026-03-24 07:42:00	23.1	22.2	0.9
2026-03-24 07:43:00	23.1	22.2	0.9
2026-03-24 07:44:00	23.1	22.2	0.9
2026-03-24 07:45:00	23.1	22.2	0.9
2026-03-24 07:46:00	23.1	22.2	0.9
2026-03-24 07:47:00	23.1	22.2	0.9
2026-03-24 07:48:00	23.1	22.2	0.9
2026-03-24 07:49:00	23.1	22.2	0.9
2026-03-24 07:50:00	23.1	22.2	0.9
2026-03-24 07:51:00	23.1	22.2	0.9
2026-03-24 07:52:00	23.1	22.2	0.9
2026-03-24 07:53:00	23.1	22.2	0.9
2026-03-24 07:54:00	23.1	22.2	0.9
2026-03-24 07:55:00	23.1	22.2	0.9
2026-03-24 07:56:00	23.1	22.2	0.9
2026-03-24 07:57:00	23.1	22.2	0.9

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 07:58:00	23.1	22.2	0.9
2026-03-24 07:59:00	23.1	22.2	0.9
2026-03-24 08:00:00	23.1	22.2	0.9
2026-03-24 08:01:00	23.1	22.2	0.9
2026-03-24 08:02:00	23.1	22.2	0.9
2026-03-24 08:03:00	23.1	22.2	0.9
2026-03-24 08:04:00	23.1	22.2	0.9
2026-03-24 08:05:00	23.1	22.2	0.9
2026-03-24 08:06:00	23.1	22.2	0.9
2026-03-24 08:07:00	23.1	22.2	0.9
2026-03-24 08:08:00	23.1	22.2	0.9
2026-03-24 08:09:00	23.2	22.2	1.0
2026-03-24 08:10:00	23.2	22.2	1.0
2026-03-24 08:11:00	23.2	22.2	1.0
2026-03-24 08:12:00	23.2	22.2	1.0
2026-03-24 08:13:00	23.2	22.2	1.0
2026-03-24 08:14:00	23.2	22.2	1.0
2026-03-24 08:15:00	23.2	22.2	1.0
2026-03-24 08:16:00	23.2	22.2	1.0
2026-03-24 08:17:00	23.2	22.2	1.0
2026-03-24 08:18:00	23.2	22.2	1.0
2026-03-24 08:19:00	23.2	22.2	1.0
2026-03-24 08:20:00	23.2	22.2	1.0
2026-03-24 08:21:00	23.2	22.2	1.0
2026-03-24 08:22:00	23.2	22.2	1.0
2026-03-24 08:23:00	23.2	22.2	1.0
2026-03-24 08:24:00	23.2	22.2	1.0
2026-03-24 08:25:00	23.2	22.2	1.0
2026-03-24 08:26:00	23.1	22.2	0.9
2026-03-24 08:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 08:28:00	23.1	22.2	0.9
2026-03-24 08:29:00	23.1	22.2	0.9
2026-03-24 08:30:00	23.2	22.2	1.0
2026-03-24 08:31:00	23.2	22.2	1.0
2026-03-24 08:32:00	23.2	22.2	1.0
2026-03-24 08:33:00	23.2	22.2	1.0
2026-03-24 08:34:00	23.2	22.2	1.0
2026-03-24 08:35:00	23.2	22.2	1.0
2026-03-24 08:36:00	23.2	22.2	1.0
2026-03-24 08:37:00	23.2	22.2	1.0
2026-03-24 08:38:00	23.2	22.2	1.0
2026-03-24 08:39:00	23.2	22.2	1.0
2026-03-24 08:40:00	23.2	22.2	1.0
2026-03-24 08:41:00	23.2	22.2	1.0
2026-03-24 08:42:00	23.2	22.3	0.9
2026-03-24 08:43:00	23.2	22.2	1.0
2026-03-24 08:44:00	23.2	22.3	0.9
2026-03-24 08:45:00	23.2	22.2	1.0
2026-03-24 08:46:00	23.2	22.2	1.0
2026-03-24 08:47:00	23.2	22.2	1.0
2026-03-24 08:48:00	23.2	22.2	1.0
2026-03-24 08:49:00	23.2	22.2	1.0
2026-03-24 08:50:00	23.2	22.3	0.9
2026-03-24 08:51:00	23.2	22.3	0.9
2026-03-24 08:52:00	23.2	22.3	0.9
2026-03-24 08:53:00	23.2	22.3	0.9
2026-03-24 08:54:00	23.2	22.3	0.9
2026-03-24 08:55:00	23.2	22.3	0.9
2026-03-24 08:56:00	23.2	22.3	0.9
2026-03-24 08:57:00	23.2	22.3	0.9

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 08:58:00	23.2	22.3	0.9
2026-03-24 08:59:00	23.2	22.3	0.9
2026-03-24 09:00:00	23.2	22.3	0.9
2026-03-24 09:01:00	23.2	22.3	0.9
2026-03-24 09:02:00	23.2	22.3	0.9
2026-03-24 09:03:00	23.2	22.3	0.9
2026-03-24 09:04:00	23.2	22.3	0.9
2026-03-24 09:05:00	23.2	22.3	0.9
2026-03-24 09:06:00	23.2	22.2	1.0
2026-03-24 09:07:00	23.2	22.2	1.0
2026-03-24 09:08:00	23.2	22.3	0.9
2026-03-24 09:09:00	23.2	22.3	0.9
2026-03-24 09:10:00	23.2	22.3	0.9
2026-03-24 09:11:00	23.2	22.3	0.9
2026-03-24 09:12:00	23.2	22.2	1.0
2026-03-24 09:13:00	23.2	22.3	0.9
2026-03-24 09:14:00	23.2	22.2	1.0
2026-03-24 09:15:00	23.2	22.3	0.9
2026-03-24 09:16:00	23.2	22.2	1.0
2026-03-24 09:17:00	23.2	22.2	1.0
2026-03-24 09:18:00	23.2	22.3	0.9
2026-03-24 09:19:00	23.2	22.2	1.0
2026-03-24 09:20:00	23.2	22.2	1.0
2026-03-24 09:21:00	23.2	22.2	1.0
2026-03-24 09:22:00	23.2	22.2	1.0
2026-03-24 09:23:00	23.2	22.2	1.0
2026-03-24 09:24:00	23.2	22.2	1.0
2026-03-24 09:25:00	23.2	22.2	1.0
2026-03-24 09:26:00	23.2	22.2	1.0
2026-03-24 09:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 09:28:00	23.2	22.2	1.0
2026-03-24 09:29:00	23.2	22.2	1.0
2026-03-24 09:30:00	23.2	22.2	1.0
2026-03-24 09:31:00	23.2	22.2	1.0
2026-03-24 09:32:00	23.2	22.2	1.0
2026-03-24 09:33:00	23.2	22.2	1.0
2026-03-24 09:34:00	23.2	22.2	1.0
2026-03-24 09:35:00	23.2	22.2	1.0
2026-03-24 09:36:00	23.2	22.2	1.0
2026-03-24 09:37:00	23.2	22.2	1.0
2026-03-24 09:38:00	23.2	22.2	1.0
2026-03-24 09:39:00	23.2	22.2	1.0
2026-03-24 09:40:00	23.2	22.2	1.0
2026-03-24 09:41:00	23.2	22.2	1.0
2026-03-24 09:42:00	23.2	22.2	1.0
2026-03-24 09:43:00	23.2	22.2	1.0
2026-03-24 09:44:00	23.2	22.2	1.0
2026-03-24 09:45:00	23.2	22.2	1.0
2026-03-24 09:46:00	23.2	22.2	1.0
2026-03-24 09:47:00	23.2	22.2	1.0
2026-03-24 09:48:00	23.2	22.2	1.0
2026-03-24 09:49:00	23.2	22.2	1.0
2026-03-24 09:50:00	23.2	22.2	1.0
2026-03-24 09:51:00	23.2	22.2	1.0
2026-03-24 09:52:00	23.2	22.2	1.0
2026-03-24 09:53:00	23.2	22.2	1.0
2026-03-24 09:54:00	23.2	22.1	1.1
2026-03-24 09:55:00	23.2	22.1	1.1
2026-03-24 09:56:00	23.2	22.2	1.0
2026-03-24 09:57:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 09:58:00	23.2	22.1	1.1
2026-03-24 09:59:00	23.2	22.2	1.0
2026-03-24 10:00:00	23.2	22.2	1.0
2026-03-24 10:01:00	23.2	22.2	1.0
2026-03-24 10:02:00	23.2	22.2	1.0
2026-03-24 10:03:00	23.2	22.2	1.0
2026-03-24 10:04:00	23.2	22.2	1.0
2026-03-24 10:05:00	23.2	22.2	1.0
2026-03-24 10:06:00	23.2	22.2	1.0
2026-03-24 10:07:00	23.2	22.2	1.0
2026-03-24 10:08:00	23.2	22.1	1.1
2026-03-24 10:09:00	23.2	22.2	1.0
2026-03-24 10:10:00	23.2	22.2	1.0
2026-03-24 10:11:00	23.2	22.2	1.0
2026-03-24 10:12:00	23.2	22.2	1.0
2026-03-24 10:13:00	23.2	22.2	1.0
2026-03-24 10:14:00	23.2	22.2	1.0
2026-03-24 10:15:00	23.2	22.2	1.0
2026-03-24 10:16:00	23.2	22.2	1.0
2026-03-24 10:17:00	23.2	22.1	1.1
2026-03-24 10:18:00	23.2	22.1	1.1
2026-03-24 10:19:00	23.2	22.1	1.1
2026-03-24 10:20:00	23.2	22.1	1.1
2026-03-24 10:21:00	23.2	22.1	1.1
2026-03-24 10:22:00	23.2	22.1	1.1
2026-03-24 10:23:00	23.2	22.2	1.0
2026-03-24 10:24:00	23.2	22.2	1.0
2026-03-24 10:25:00	23.2	22.2	1.0
2026-03-24 10:26:00	23.2	22.2	1.0
2026-03-24 10:27:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 10:28:00	23.2	22.1	1.1
2026-03-24 10:29:00	23.2	22.1	1.1
2026-03-24 10:30:00	23.2	22.1	1.1
2026-03-24 10:31:00	23.2	22.1	1.1
2026-03-24 10:32:00	23.2	22.1	1.1
2026-03-24 10:33:00	23.2	22.2	1.0
2026-03-24 10:34:00	23.2	22.2	1.0
2026-03-24 10:35:00	23.2	22.2	1.0
2026-03-24 10:36:00	23.2	22.2	1.0
2026-03-24 10:37:00	23.2	22.2	1.0
2026-03-24 10:38:00	23.2	22.1	1.1
2026-03-24 10:39:00	23.2	22.1	1.1
2026-03-24 10:40:00	23.2	22.1	1.1
2026-03-24 10:41:00	23.2	22.1	1.1
2026-03-24 10:42:00	23.2	22.2	1.0
2026-03-24 10:43:00	23.2	22.1	1.1
2026-03-24 10:44:00	23.2	22.2	1.0
2026-03-24 10:45:00	23.2	22.2	1.0
2026-03-24 10:46:00	23.2	22.2	1.0
2026-03-24 10:47:00	23.2	22.1	1.1
2026-03-24 10:48:00	23.2	22.1	1.1
2026-03-24 10:49:00	23.2	22.2	1.0
2026-03-24 10:50:00	23.2	22.2	1.0
2026-03-24 10:51:00	23.2	22.2	1.0
2026-03-24 10:52:00	23.2	22.2	1.0
2026-03-24 10:53:00	23.2	22.1	1.1
2026-03-24 10:54:00	23.2	22.1	1.1
2026-03-24 10:55:00	23.2	22.1	1.1
2026-03-24 10:56:00	23.2	22.1	1.1
2026-03-24 10:57:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 10:58:00	23.2	22.1	1.1
2026-03-24 10:59:00	23.2	22.1	1.1
2026-03-24 11:00:00	23.2	22.1	1.1
2026-03-24 11:01:00	23.2	22.1	1.1
2026-03-24 11:02:00	23.2	22.1	1.1
2026-03-24 11:03:00	23.2	22.1	1.1
2026-03-24 11:04:00	23.2	22.1	1.1
2026-03-24 11:05:00	23.2	22.2	1.0
2026-03-24 11:06:00	23.2	22.1	1.1
2026-03-24 11:07:00	23.2	22.1	1.1
2026-03-24 11:08:00	23.2	22.1	1.1
2026-03-24 11:09:00	23.2	22.1	1.1
2026-03-24 11:10:00	23.2	22.1	1.1
2026-03-24 11:11:00	23.2	22.1	1.1
2026-03-24 11:12:00	23.2	22.1	1.1
2026-03-24 11:13:00	23.2	22.1	1.1
2026-03-24 11:14:00	23.2	22.1	1.1
2026-03-24 11:15:00	23.2	22.1	1.1
2026-03-24 11:16:00	23.2	22.1	1.1
2026-03-24 11:17:00	23.2	22.1	1.1
2026-03-24 11:18:00	23.2	22.1	1.1
2026-03-24 11:19:00	23.2	22.1	1.1
2026-03-24 11:20:00	23.2	22.1	1.1
2026-03-24 11:21:00	23.2	22.1	1.1
2026-03-24 11:22:00	23.2	22.1	1.1
2026-03-24 11:23:00	23.2	22.1	1.1
2026-03-24 11:24:00	23.2	22.1	1.1
2026-03-24 11:25:00	23.2	22.1	1.1
2026-03-24 11:26:00	23.2	22.1	1.1
2026-03-24 11:27:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 11:28:00	23.2	22.1	1.1
2026-03-24 11:29:00	23.2	22.1	1.1
2026-03-24 11:30:00	23.2	22.1	1.1
2026-03-24 11:31:00	23.2	22.1	1.1
2026-03-24 11:32:00	23.2	22.1	1.1
2026-03-24 11:33:00	23.2	22.1	1.1
2026-03-24 11:34:00	23.2	22.1	1.1
2026-03-24 11:35:00	23.2	22.1	1.1
2026-03-24 11:36:00	23.2	22.1	1.1
2026-03-24 11:37:00	23.2	22.1	1.1
2026-03-24 11:38:00	23.2	22.1	1.1
2026-03-24 11:39:00	23.3	22.1	1.2
2026-03-24 11:40:00	23.2	22.1	1.1
2026-03-24 11:41:00	23.2	22.1	1.1
2026-03-24 11:42:00	23.3	22.1	1.2
2026-03-24 11:43:00	23.3	22.1	1.2
2026-03-24 11:44:00	23.3	22.1	1.2
2026-03-24 11:45:00	23.3	22.1	1.2
2026-03-24 11:46:00	23.2	22.1	1.1
2026-03-24 11:47:00	23.2	22.1	1.1
2026-03-24 11:48:00	23.2	22.1	1.1
2026-03-24 11:49:00	23.2	22.1	1.1
2026-03-24 11:50:00	23.2	22.1	1.1
2026-03-24 11:51:00	23.2	22.1	1.1
2026-03-24 11:52:00	23.2	22.1	1.1
2026-03-24 11:53:00	23.2	22.1	1.1
2026-03-24 11:54:00	23.2	22.1	1.1
2026-03-24 11:55:00	23.2	22.1	1.1
2026-03-24 11:56:00	23.2	22.1	1.1
2026-03-24 11:57:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 11:58:00	23.2	22.1	1.1
2026-03-24 11:59:00	23.2	22.1	1.1
2026-03-24 12:00:00	23.2	22.1	1.1
2026-03-24 12:01:00	23.2	22.1	1.1
2026-03-24 12:02:00	23.2	22.1	1.1
2026-03-24 12:03:00	23.2	22.1	1.1
2026-03-24 12:04:00	23.2	22.1	1.1
2026-03-24 12:05:00	23.2	22.1	1.1
2026-03-24 12:06:00	23.3	22.1	1.2
2026-03-24 12:07:00	23.3	22.1	1.2
2026-03-24 12:08:00	23.3	22.1	1.2
2026-03-24 12:09:00	23.3	22.1	1.2
2026-03-24 12:10:00	23.3	22.1	1.2
2026-03-24 12:11:00	23.2	22.1	1.1
2026-03-24 12:12:00	23.2	22.1	1.1
2026-03-24 12:13:00	23.3	22.1	1.2
2026-03-24 12:14:00	23.3	22.1	1.2
2026-03-24 12:15:00	23.3	22.1	1.2
2026-03-24 12:16:00	23.3	22.1	1.2
2026-03-24 12:17:00	23.2	22.1	1.1
2026-03-24 12:18:00	23.2	22.1	1.1
2026-03-24 12:19:00	23.2	22.2	1.0
2026-03-24 12:20:00	23.2	22.1	1.1
2026-03-24 12:21:00	23.2	22.1	1.1
2026-03-24 12:22:00	23.2	22.1	1.1
2026-03-24 12:23:00	23.2	22.1	1.1
2026-03-24 12:24:00	23.2	22.1	1.1
2026-03-24 12:25:00	23.2	22.1	1.1
2026-03-24 12:26:00	23.2	22.1	1.1
2026-03-24 12:27:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 12:28:00	23.2	22.1	1.1
2026-03-24 12:29:00	23.2	22.1	1.1
2026-03-24 12:30:00	23.2	22.1	1.1
2026-03-24 12:31:00	23.2	22.1	1.1
2026-03-24 12:32:00	23.2	22.1	1.1
2026-03-24 12:33:00	23.2	22.1	1.1
2026-03-24 12:34:00	23.2	22.1	1.1
2026-03-24 12:35:00	23.2	22.1	1.1
2026-03-24 12:36:00	23.2	22.1	1.1
2026-03-24 12:37:00	23.2	22.1	1.1
2026-03-24 12:38:00	23.2	22.1	1.1
2026-03-24 12:39:00	23.2	22.1	1.1
2026-03-24 12:40:00	23.2	22.1	1.1
2026-03-24 12:41:00	23.2	22.1	1.1
2026-03-24 12:42:00	23.2	22.1	1.1
2026-03-24 12:43:00	23.2	22.1	1.1
2026-03-24 12:44:00	23.3	22.1	1.2
2026-03-24 12:45:00	23.3	22.1	1.2
2026-03-24 12:46:00	23.3	22.1	1.2
2026-03-24 12:47:00	23.3	22.1	1.2
2026-03-24 12:48:00	23.3	22.1	1.2
2026-03-24 12:49:00	23.3	22.1	1.2
2026-03-24 12:50:00	23.3	22.1	1.2
2026-03-24 12:51:00	23.3	22.1	1.2
2026-03-24 12:52:00	23.2	22.1	1.1
2026-03-24 12:53:00	23.3	22.1	1.2
2026-03-24 12:54:00	23.2	22.1	1.1
2026-03-24 12:55:00	23.3	22.1	1.2
2026-03-24 12:56:00	23.3	22.1	1.2
2026-03-24 12:57:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 12:58:00	23.2	22.1	1.1
2026-03-24 12:59:00	23.2	22.1	1.1
2026-03-24 13:00:00	23.2	22.1	1.1
2026-03-24 13:01:00	23.2	22.1	1.1
2026-03-24 13:02:00	23.2	22.1	1.1
2026-03-24 13:03:00	23.2	22.1	1.1
2026-03-24 13:04:00	23.2	22.1	1.1
2026-03-24 13:05:00	23.2	22.1	1.1
2026-03-24 13:06:00	23.2	22.1	1.1
2026-03-24 13:07:00	23.2	22.1	1.1
2026-03-24 13:08:00	23.2	22.1	1.1
2026-03-24 13:09:00	23.2	22.1	1.1
2026-03-24 13:10:00	23.2	22.1	1.1
2026-03-24 13:11:00	23.2	22.1	1.1
2026-03-24 13:12:00	23.2	22.1	1.1
2026-03-24 13:13:00	23.2	22.1	1.1
2026-03-24 13:14:00	23.2	22.1	1.1
2026-03-24 13:15:00	23.2	22.1	1.1
2026-03-24 13:16:00	23.2	22.1	1.1
2026-03-24 13:17:00	23.2	22.1	1.1
2026-03-24 13:18:00	23.2	22.1	1.1
2026-03-24 13:19:00	23.2	22.1	1.1
2026-03-24 13:20:00	23.2	22.1	1.1
2026-03-24 13:21:00	23.2	22.1	1.1
2026-03-24 13:22:00	23.2	22.1	1.1
2026-03-24 13:23:00	23.2	22.1	1.1
2026-03-24 13:24:00	23.2	22.1	1.1
2026-03-24 13:25:00	23.2	22.1	1.1
2026-03-24 13:26:00	23.2	22.1	1.1
2026-03-24 13:27:00	23.2	22.1	1.1

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 13:28:00	23.2	22.1	1.1
2026-03-24 13:29:00	23.2	22.1	1.1
2026-03-24 13:30:00	23.2	22.1	1.1
2026-03-24 13:31:00	23.2	22.1	1.1
2026-03-24 13:32:00	23.2	22.1	1.1
2026-03-24 13:33:00	23.2	22.1	1.1
2026-03-24 13:34:00	23.2	22.1	1.1
2026-03-24 13:35:00	23.2	22.1	1.1
2026-03-24 13:36:00	23.2	22.1	1.1
2026-03-24 13:37:00	23.2	22.1	1.1
2026-03-24 13:38:00	23.2	22.1	1.1
2026-03-24 13:39:00	23.2	22.1	1.1
2026-03-24 13:40:00	23.2	22.1	1.1
2026-03-24 13:41:00	23.2	22.1	1.1
2026-03-24 13:42:00	23.2	22.1	1.1
2026-03-24 13:43:00	23.2	22.1	1.1
2026-03-24 13:44:00	23.2	22.1	1.1
2026-03-24 13:45:00	23.2	22.1	1.1
2026-03-24 13:46:00	23.2	22.1	1.1
2026-03-24 13:47:00	23.2	22.1	1.1
2026-03-24 13:48:00	23.2	22.1	1.1
2026-03-24 13:49:00	23.2	22.1	1.1
2026-03-24 13:50:00	23.2	22.1	1.1
2026-03-24 13:51:00	23.2	22.1	1.1
2026-03-24 13:52:00	23.2	22.1	1.1
2026-03-24 13:53:00	23.2	22.1	1.1
2026-03-24 13:54:00	23.2	22.1	1.1
2026-03-24 13:55:00	23.2	22.1	1.1
2026-03-24 13:56:00	23.2	22.1	1.1
2026-03-24 13:57:00	23.2	22.1	1.1

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 13:58:00	23.2	22.1	1.1
2026-03-24 13:59:00	23.2	22.1	1.1
2026-03-24 14:00:00	23.2	22.1	1.1
2026-03-24 14:01:00	23.2	22.1	1.1
2026-03-24 14:02:00	23.2	22.1	1.1
2026-03-24 14:03:00	23.2	22.1	1.1
2026-03-24 14:04:00	23.2	22.1	1.1
2026-03-24 14:05:00	23.2	22.1	1.1
2026-03-24 14:06:00	23.2	22.1	1.1
2026-03-24 14:07:00	23.2	22.1	1.1
2026-03-24 14:08:00	23.2	22.1	1.1
2026-03-24 14:09:00	23.2	22.1	1.1
2026-03-24 14:10:00	23.2	22.1	1.1
2026-03-24 14:11:00	23.2	22.1	1.1
2026-03-24 14:12:00	23.2	22.1	1.1
2026-03-24 14:13:00	23.2	22.1	1.1
2026-03-24 14:14:00	23.2	22.1	1.1
2026-03-24 14:15:00	23.2	22.1	1.1
2026-03-24 14:16:00	23.2	22.1	1.1
2026-03-24 14:17:00	23.2	22.1	1.1
2026-03-24 14:18:00	23.2	22.1	1.1
2026-03-24 14:19:00	23.2	22.1	1.1
2026-03-24 14:20:00	23.2	22.1	1.1
2026-03-24 14:21:00	23.2	22.1	1.1
2026-03-24 14:22:00	23.2	22.1	1.1
2026-03-24 14:23:00	23.2	22.1	1.1
2026-03-24 14:24:00	23.2	22.1	1.1
2026-03-24 14:25:00	23.2	22.1	1.1
2026-03-24 14:26:00	23.2	22.1	1.1
2026-03-24 14:27:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 14:28:00	23.2	22.1	1.1
2026-03-24 14:29:00	23.2	22.1	1.1
2026-03-24 14:30:00	23.2	22.1	1.1
2026-03-24 14:31:00	23.2	22.1	1.1
2026-03-24 14:32:00	23.2	22.1	1.1
2026-03-24 14:33:00	23.2	22.1	1.1
2026-03-24 14:34:00	23.2	22.1	1.1
2026-03-24 14:35:00	23.2	22.1	1.1
2026-03-24 14:36:00	23.2	22.1	1.1
2026-03-24 14:37:00	23.2	22.1	1.1
2026-03-24 14:38:00	23.2	22.1	1.1
2026-03-24 14:39:00	23.2	22.1	1.1
2026-03-24 14:40:00	23.2	22.1	1.1
2026-03-24 14:41:00	23.2	22.1	1.1
2026-03-24 14:42:00	23.2	22.1	1.1
2026-03-24 14:43:00	23.2	22.1	1.1
2026-03-24 14:44:00	23.2	22.1	1.1
2026-03-24 14:45:00	23.2	22.1	1.1
2026-03-24 14:46:00	23.2	22.1	1.1
2026-03-24 14:47:00	23.2	22.1	1.1
2026-03-24 14:48:00	23.2	22.1	1.1
2026-03-24 14:49:00	23.2	22.1	1.1
2026-03-24 14:50:00	23.2	22.1	1.1
2026-03-24 14:51:00	23.2	22.1	1.1
2026-03-24 14:52:00	23.2	22.1	1.1
2026-03-24 14:53:00	23.2	22.1	1.1
2026-03-24 14:54:00	23.2	22.1	1.1
2026-03-24 14:55:00	23.2	22.1	1.1
2026-03-24 14:56:00	23.2	22.1	1.1
2026-03-24 14:57:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 14:58:00	23.2	22.1	1.1
2026-03-24 14:59:00	23.2	22.1	1.1
2026-03-24 15:00:00	23.2	22.1	1.1
2026-03-24 15:01:00	23.2	22.1	1.1
2026-03-24 15:02:00	23.2	22.1	1.1
2026-03-24 15:03:00	23.2	22.1	1.1
2026-03-24 15:04:00	23.2	22.1	1.1
2026-03-24 15:05:00	23.2	22.1	1.1
2026-03-24 15:06:00	23.2	22.1	1.1
2026-03-24 15:07:00	23.2	22.1	1.1
2026-03-24 15:08:00	23.2	22.1	1.1
2026-03-24 15:09:00	23.2	22.1	1.1
2026-03-24 15:10:00	23.2	22.1	1.1
2026-03-24 15:11:00	23.2	22.1	1.1
2026-03-24 15:12:00	23.2	22.1	1.1
2026-03-24 15:13:00	23.2	22.1	1.1
2026-03-24 15:14:00	23.2	22.1	1.1
2026-03-24 15:15:00	23.2	22.1	1.1
2026-03-24 15:16:00	23.2	22.1	1.1
2026-03-24 15:17:00	23.2	22.1	1.1
2026-03-24 15:18:00	23.3	22.1	1.2
2026-03-24 15:19:00	23.2	22.1	1.1
2026-03-24 15:20:00	23.2	22.1	1.1
2026-03-24 15:21:00	23.2	22.1	1.1
2026-03-24 15:22:00	23.2	22.1	1.1
2026-03-24 15:23:00	23.2	22.1	1.1
2026-03-24 15:24:00	23.2	22.1	1.1
2026-03-24 15:25:00	23.2	22.1	1.1
2026-03-24 15:26:00	23.2	22.1	1.1
2026-03-24 15:27:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 15:28:00	23.2	22.1	1.1
2026-03-24 15:29:00	23.2	22.1	1.1
2026-03-24 15:30:00	23.2	22.1	1.1
2026-03-24 15:31:00	23.2	22.1	1.1
2026-03-24 15:32:00	23.2	22.1	1.1
2026-03-24 15:33:00	23.2	22.1	1.1
2026-03-24 15:34:00	23.2	22.1	1.1
2026-03-24 15:35:00	23.2	22.1	1.1
2026-03-24 15:36:00	23.2	22.1	1.1
2026-03-24 15:37:00	23.2	22.1	1.1
2026-03-24 15:38:00	23.2	22.1	1.1
2026-03-24 15:39:00	23.2	22.1	1.1
2026-03-24 15:40:00	23.2	22.1	1.1
2026-03-24 15:41:00	23.2	22.1	1.1
2026-03-24 15:42:00	23.2	22.1	1.1
2026-03-24 15:43:00	23.2	22.1	1.1
2026-03-24 15:44:00	23.2	22.1	1.1
2026-03-24 15:45:00	23.2	22.1	1.1
2026-03-24 15:46:00	23.2	22.1	1.1
2026-03-24 15:47:00	23.2	22.1	1.1
2026-03-24 15:48:00	23.2	22.1	1.1
2026-03-24 15:49:00	23.2	22.1	1.1
2026-03-24 15:50:00	23.2	22.1	1.1
2026-03-24 15:51:00	23.2	22.1	1.1
2026-03-24 15:52:00	23.2	22.1	1.1
2026-03-24 15:53:00	23.2	22.1	1.1
2026-03-24 15:54:00	23.2	22.1	1.1
2026-03-24 15:55:00	23.2	22.1	1.1
2026-03-24 15:56:00	23.2	22.1	1.1
2026-03-24 15:57:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 15:58:00	23.2	22.1	1.1
2026-03-24 15:59:00	23.2	22.1	1.1
2026-03-24 16:00:00	23.2	22.1	1.1
2026-03-24 16:01:00	23.2	22.1	1.1
2026-03-24 16:02:00	23.2	22.1	1.1
2026-03-24 16:03:00	23.2	22.1	1.1
2026-03-24 16:04:00	23.2	22.1	1.1
2026-03-24 16:05:00	23.2	22.1	1.1
2026-03-24 16:06:00	23.2	22.1	1.1
2026-03-24 16:07:00	23.2	22.1	1.1
2026-03-24 16:08:00	23.2	22.1	1.1
2026-03-24 16:09:00	23.2	22.1	1.1
2026-03-24 16:10:00	23.2	22.1	1.1
2026-03-24 16:11:00	23.2	22.1	1.1
2026-03-24 16:12:00	23.2	22.1	1.1
2026-03-24 16:13:00	23.2	22.1	1.1
2026-03-24 16:14:00	23.2	22.1	1.1
2026-03-24 16:15:00	23.2	22.1	1.1
2026-03-24 16:16:00	23.3	22.1	1.2
2026-03-24 16:17:00	23.2	22.1	1.1
2026-03-24 16:18:00	23.2	22.1	1.1
2026-03-24 16:19:00	23.2	22.1	1.1
2026-03-24 16:20:00	23.2	22.1	1.1
2026-03-24 16:21:00	23.2	22.1	1.1
2026-03-24 16:22:00	23.2	22.1	1.1
2026-03-24 16:23:00	23.2	22.1	1.1
2026-03-24 16:24:00	23.2	22.1	1.1
2026-03-24 16:25:00	23.2	22.1	1.1
2026-03-24 16:26:00	23.2	22.1	1.1
2026-03-24 16:27:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 16:28:00	23.2	22.1	1.1
2026-03-24 16:29:00	23.2	22.1	1.1
2026-03-24 16:30:00	23.2	22.1	1.1
2026-03-24 16:31:00	23.2	22.1	1.1
2026-03-24 16:32:00	23.2	22.1	1.1
2026-03-24 16:33:00	23.2	22.1	1.1
2026-03-24 16:34:00	23.2	22.1	1.1
2026-03-24 16:35:00	23.2	22.1	1.1
2026-03-24 16:36:00	23.2	22.1	1.1
2026-03-24 16:37:00	23.2	22.1	1.1
2026-03-24 16:38:00	23.2	22.1	1.1
2026-03-24 16:39:00	23.2	22.1	1.1
2026-03-24 16:40:00	23.2	22.1	1.1
2026-03-24 16:41:00	23.2	22.1	1.1
2026-03-24 16:42:00	23.2	22.1	1.1
2026-03-24 16:43:00	23.2	22.1	1.1
2026-03-24 16:44:00	23.2	22.1	1.1
2026-03-24 16:45:00	23.2	22.1	1.1
2026-03-24 16:46:00	23.2	22.1	1.1
2026-03-24 16:47:00	23.2	22.1	1.1
2026-03-24 16:48:00	23.2	22.1	1.1
2026-03-24 16:49:00	23.2	22.1	1.1
2026-03-24 16:50:00	23.2	22.1	1.1
2026-03-24 16:51:00	23.3	22.1	1.2
2026-03-24 16:52:00	23.3	22.1	1.2
2026-03-24 16:53:00	23.2	22.1	1.1
2026-03-24 16:54:00	23.2	22.1	1.1
2026-03-24 16:55:00	23.2	22.1	1.1
2026-03-24 16:56:00	23.2	22.1	1.1
2026-03-24 16:57:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 16:58:00	23.2	22.1	1.1
2026-03-24 16:59:00	23.2	22.1	1.1
2026-03-24 17:00:00	23.2	22.1	1.1
2026-03-24 17:01:00	23.2	22.1	1.1
2026-03-24 17:02:00	23.2	22.1	1.1
2026-03-24 17:03:00	23.2	22.1	1.1
2026-03-24 17:04:00	23.2	22.1	1.1
2026-03-24 17:05:00	23.2	22.1	1.1
2026-03-24 17:06:00	23.2	22.1	1.1
2026-03-24 17:07:00	23.2	22.1	1.1
2026-03-24 17:08:00	23.2	22.1	1.1
2026-03-24 17:09:00	23.2	22.1	1.1
2026-03-24 17:10:00	23.2	22.1	1.1
2026-03-24 17:11:00	23.2	22.1	1.1
2026-03-24 17:12:00	23.2	22.1	1.1
2026-03-24 17:13:00	23.2	22.1	1.1
2026-03-24 17:14:00	23.2	22.1	1.1
2026-03-24 17:15:00	23.2	22.1	1.1
2026-03-24 17:16:00	23.2	22.1	1.1
2026-03-24 17:17:00	23.2	22.1	1.1
2026-03-24 17:18:00	23.2	22.1	1.1
2026-03-24 17:19:00	23.2	22.1	1.1
2026-03-24 17:20:00	23.2	22.1	1.1
2026-03-24 17:21:00	23.2	22.1	1.1
2026-03-24 17:22:00	23.2	22.1	1.1
2026-03-24 17:23:00	23.2	22.1	1.1
2026-03-24 17:24:00	23.2	22.1	1.1
2026-03-24 17:25:00	23.2	22.1	1.1
2026-03-24 17:26:00	23.2	22.1	1.1
2026-03-24 17:27:00	23.2	22.1	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 17:28:00	23.2	22.1	1.1
2026-03-24 17:29:00	23.2	22.1	1.1
2026-03-24 17:30:00	23.2	22.1	1.1
2026-03-24 17:31:00	23.2	22.1	1.1
2026-03-24 17:32:00	23.2	22.1	1.1
2026-03-24 17:33:00	23.2	22.1	1.1
2026-03-24 17:34:00	23.2	22.1	1.1
2026-03-24 17:35:00	23.3	22.1	1.2
2026-03-24 17:36:00	23.2	22.1	1.1
2026-03-24 17:37:00	23.3	22.2	1.1
2026-03-24 17:38:00	23.3	22.2	1.1
2026-03-24 17:39:00	23.3	22.2	1.1
2026-03-24 17:40:00	23.3	22.2	1.1
2026-03-24 17:41:00	23.3	22.2	1.1
2026-03-24 17:42:00	23.3	22.2	1.1
2026-03-24 17:43:00	23.3	22.2	1.1
2026-03-24 17:44:00	23.3	22.2	1.1
2026-03-24 17:45:00	23.3	22.2	1.1
2026-03-24 17:46:00	23.3	22.2	1.1
2026-03-24 17:47:00	23.3	22.2	1.1
2026-03-24 17:48:00	23.3	22.2	1.1
2026-03-24 17:49:00	23.3	22.2	1.1
2026-03-24 17:50:00	23.3	22.2	1.1
2026-03-24 17:51:00	23.3	22.2	1.1
2026-03-24 17:52:00	23.3	22.2	1.1
2026-03-24 17:53:00	23.3	22.2	1.1
2026-03-24 17:54:00	23.3	22.2	1.1
2026-03-24 17:55:00	23.3	22.2	1.1
2026-03-24 17:56:00	23.3	22.2	1.1
2026-03-24 17:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 17:58:00	23.3	22.2	1.1
2026-03-24 17:59:00	23.3	22.2	1.1
2026-03-24 18:00:00	23.3	22.2	1.1
2026-03-24 18:01:00	23.3	22.2	1.1
2026-03-24 18:02:00	23.3	22.2	1.1
2026-03-24 18:03:00	23.3	22.2	1.1
2026-03-24 18:04:00	23.3	22.2	1.1
2026-03-24 18:05:00	23.3	22.2	1.1
2026-03-24 18:06:00	23.3	22.2	1.1
2026-03-24 18:07:00	23.3	22.2	1.1
2026-03-24 18:08:00	23.3	22.2	1.1
2026-03-24 18:09:00	23.3	22.2	1.1
2026-03-24 18:10:00	23.3	22.2	1.1
2026-03-24 18:11:00	23.3	22.2	1.1
2026-03-24 18:12:00	23.3	22.2	1.1
2026-03-24 18:13:00	23.3	22.2	1.1
2026-03-24 18:14:00	23.3	22.2	1.1
2026-03-24 18:15:00	23.3	22.2	1.1
2026-03-24 18:16:00	23.3	22.2	1.1
2026-03-24 18:17:00	23.3	22.2	1.1
2026-03-24 18:18:00	23.3	22.2	1.1
2026-03-24 18:19:00	23.3	22.2	1.1
2026-03-24 18:20:00	23.3	22.2	1.1
2026-03-24 18:21:00	23.3	22.2	1.1
2026-03-24 18:22:00	23.3	22.2	1.1
2026-03-24 18:23:00	23.3	22.2	1.1
2026-03-24 18:24:00	23.3	22.2	1.1
2026-03-24 18:25:00	23.3	22.2	1.1
2026-03-24 18:26:00	23.3	22.2	1.1
2026-03-24 18:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 18:28:00	23.3	22.2	1.1
2026-03-24 18:29:00	23.3	22.2	1.1
2026-03-24 18:30:00	23.3	22.2	1.1
2026-03-24 18:31:00	23.3	22.2	1.1
2026-03-24 18:32:00	23.3	22.2	1.1
2026-03-24 18:33:00	23.3	22.2	1.1
2026-03-24 18:34:00	23.3	22.2	1.1
2026-03-24 18:35:00	23.3	22.2	1.1
2026-03-24 18:36:00	23.3	22.2	1.1
2026-03-24 18:37:00	23.3	22.2	1.1
2026-03-24 18:38:00	23.3	22.2	1.1
2026-03-24 18:39:00	23.3	22.2	1.1
2026-03-24 18:40:00	23.3	22.2	1.1
2026-03-24 18:41:00	23.3	22.2	1.1
2026-03-24 18:42:00	23.3	22.2	1.1
2026-03-24 18:43:00	23.3	22.2	1.1
2026-03-24 18:44:00	23.3	22.2	1.1
2026-03-24 18:45:00	23.3	22.2	1.1
2026-03-24 18:46:00	23.3	22.2	1.1
2026-03-24 18:47:00	23.3	22.2	1.1
2026-03-24 18:48:00	23.3	22.2	1.1
2026-03-24 18:49:00	23.3	22.2	1.1
2026-03-24 18:50:00	23.3	22.2	1.1
2026-03-24 18:51:00	23.3	22.2	1.1
2026-03-24 18:52:00	23.3	22.2	1.1
2026-03-24 18:53:00	23.3	22.2	1.1
2026-03-24 18:54:00	23.3	22.2	1.1
2026-03-24 18:55:00	23.3	22.2	1.1
2026-03-24 18:56:00	23.3	22.2	1.1
2026-03-24 18:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 18:58:00	23.3	22.2	1.1
2026-03-24 18:59:00	23.3	22.2	1.1
2026-03-24 19:00:00	23.3	22.2	1.1
2026-03-24 19:01:00	23.3	22.2	1.1
2026-03-24 19:02:00	23.3	22.2	1.1
2026-03-24 19:03:00	23.3	22.2	1.1
2026-03-24 19:04:00	23.3	22.2	1.1
2026-03-24 19:05:00	23.3	22.2	1.1
2026-03-24 19:06:00	23.3	22.2	1.1
2026-03-24 19:07:00	23.3	22.2	1.1
2026-03-24 19:08:00	23.3	22.2	1.1
2026-03-24 19:09:00	23.3	22.2	1.1
2026-03-24 19:10:00	23.3	22.2	1.1
2026-03-24 19:11:00	23.3	22.2	1.1
2026-03-24 19:12:00	23.3	22.2	1.1
2026-03-24 19:13:00	23.3	22.2	1.1
2026-03-24 19:14:00	23.3	22.2	1.1
2026-03-24 19:15:00	23.3	22.2	1.1
2026-03-24 19:16:00	23.3	22.2	1.1
2026-03-24 19:17:00	23.3	22.2	1.1
2026-03-24 19:18:00	23.3	22.2	1.1
2026-03-24 19:19:00	23.3	22.2	1.1
2026-03-24 19:20:00	23.3	22.2	1.1
2026-03-24 19:21:00	23.3	22.2	1.1
2026-03-24 19:22:00	23.3	22.2	1.1
2026-03-24 19:23:00	23.3	22.2	1.1
2026-03-24 19:24:00	23.3	22.2	1.1
2026-03-24 19:25:00	23.3	22.2	1.1
2026-03-24 19:26:00	23.3	22.2	1.1
2026-03-24 19:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 19:28:00	23.3	22.2	1.1
2026-03-24 19:29:00	23.3	22.2	1.1
2026-03-24 19:30:00	23.3	22.2	1.1
2026-03-24 19:31:00	23.3	22.2	1.1
2026-03-24 19:32:00	23.3	22.2	1.1
2026-03-24 19:33:00	23.3	22.2	1.1
2026-03-24 19:34:00	23.3	22.2	1.1
2026-03-24 19:35:00	23.3	22.2	1.1
2026-03-24 19:36:00	23.3	22.2	1.1
2026-03-24 19:37:00	23.3	22.2	1.1
2026-03-24 19:38:00	23.3	22.2	1.1
2026-03-24 19:39:00	23.3	22.2	1.1
2026-03-24 19:40:00	23.3	22.2	1.1
2026-03-24 19:41:00	23.3	22.2	1.1
2026-03-24 19:42:00	23.3	22.2	1.1
2026-03-24 19:43:00	23.3	22.2	1.1
2026-03-24 19:44:00	23.3	22.2	1.1
2026-03-24 19:45:00	23.3	22.2	1.1
2026-03-24 19:46:00	23.3	22.2	1.1
2026-03-24 19:47:00	23.3	22.2	1.1
2026-03-24 19:48:00	23.3	22.2	1.1
2026-03-24 19:49:00	23.3	22.2	1.1
2026-03-24 19:50:00	23.3	22.2	1.1
2026-03-24 19:51:00	23.3	22.2	1.1
2026-03-24 19:52:00	23.3	22.2	1.1
2026-03-24 19:53:00	23.3	22.2	1.1
2026-03-24 19:54:00	23.3	22.2	1.1
2026-03-24 19:55:00	23.3	22.2	1.1
2026-03-24 19:56:00	23.3	22.2	1.1
2026-03-24 19:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 19:58:00	23.3	22.2	1.1
2026-03-24 19:59:00	23.3	22.2	1.1
2026-03-24 20:00:00	23.3	22.2	1.1
2026-03-24 20:01:00	23.3	22.2	1.1
2026-03-24 20:02:00	23.3	22.2	1.1
2026-03-24 20:03:00	23.3	22.2	1.1
2026-03-24 20:04:00	23.3	22.2	1.1
2026-03-24 20:05:00	23.3	22.2	1.1
2026-03-24 20:06:00	23.3	22.2	1.1
2026-03-24 20:07:00	23.3	22.2	1.1
2026-03-24 20:08:00	23.3	22.2	1.1
2026-03-24 20:09:00	23.3	22.2	1.1
2026-03-24 20:10:00	23.3	22.2	1.1
2026-03-24 20:11:00	23.3	22.2	1.1
2026-03-24 20:12:00	23.3	22.2	1.1
2026-03-24 20:13:00	23.3	22.2	1.1
2026-03-24 20:14:00	23.3	22.2	1.1
2026-03-24 20:15:00	23.3	22.2	1.1
2026-03-24 20:16:00	23.3	22.2	1.1
2026-03-24 20:17:00	23.3	22.2	1.1
2026-03-24 20:18:00	23.3	22.2	1.1
2026-03-24 20:19:00	23.3	22.2	1.1
2026-03-24 20:20:00	23.3	22.2	1.1
2026-03-24 20:21:00	23.3	22.2	1.1
2026-03-24 20:22:00	23.3	22.2	1.1
2026-03-24 20:23:00	23.3	22.2	1.1
2026-03-24 20:24:00	23.3	22.2	1.1
2026-03-24 20:25:00	23.3	22.2	1.1
2026-03-24 20:26:00	23.3	22.2	1.1
2026-03-24 20:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 20:28:00	23.3	22.2	1.1
2026-03-24 20:29:00	23.3	22.2	1.1
2026-03-24 20:30:00	23.3	22.2	1.1
2026-03-24 20:31:00	23.3	22.2	1.1
2026-03-24 20:32:00	23.3	22.2	1.1
2026-03-24 20:33:00	23.3	22.2	1.1
2026-03-24 20:34:00	23.3	22.2	1.1
2026-03-24 20:35:00	23.3	22.2	1.1
2026-03-24 20:36:00	23.3	22.2	1.1
2026-03-24 20:37:00	23.3	22.2	1.1
2026-03-24 20:38:00	23.3	22.2	1.1
2026-03-24 20:39:00	23.3	22.2	1.1
2026-03-24 20:40:00	23.3	22.2	1.1
2026-03-24 20:41:00	23.3	22.2	1.1
2026-03-24 20:42:00	23.3	22.2	1.1
2026-03-24 20:43:00	23.3	22.2	1.1
2026-03-24 20:44:00	23.3	22.2	1.1
2026-03-24 20:45:00	23.3	22.2	1.1
2026-03-24 20:46:00	23.3	22.2	1.1
2026-03-24 20:47:00	23.3	22.2	1.1
2026-03-24 20:48:00	23.3	22.2	1.1
2026-03-24 20:49:00	23.3	22.2	1.1
2026-03-24 20:50:00	23.3	22.2	1.1
2026-03-24 20:51:00	23.3	22.2	1.1
2026-03-24 20:52:00	23.3	22.2	1.1
2026-03-24 20:53:00	23.3	22.2	1.1
2026-03-24 20:54:00	23.3	22.2	1.1
2026-03-24 20:55:00	23.3	22.2	1.1
2026-03-24 20:56:00	23.3	22.2	1.1
2026-03-24 20:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 20:58:00	23.3	22.2	1.1
2026-03-24 20:59:00	23.3	22.2	1.1
2026-03-24 21:00:00	23.3	22.2	1.1
2026-03-24 21:01:00	23.3	22.2	1.1
2026-03-24 21:02:00	23.3	22.2	1.1
2026-03-24 21:03:00	23.3	22.2	1.1
2026-03-24 21:04:00	23.3	22.2	1.1
2026-03-24 21:05:00	23.3	22.2	1.1
2026-03-24 21:06:00	23.3	22.2	1.1
2026-03-24 21:07:00	23.3	22.2	1.1
2026-03-24 21:08:00	23.3	22.2	1.1
2026-03-24 21:09:00	23.3	22.2	1.1
2026-03-24 21:10:00	23.3	22.2	1.1
2026-03-24 21:11:00	23.3	22.2	1.1
2026-03-24 21:12:00	23.3	22.2	1.1
2026-03-24 21:13:00	23.3	22.2	1.1
2026-03-24 21:14:00	23.3	22.2	1.1
2026-03-24 21:15:00	23.3	22.2	1.1
2026-03-24 21:16:00	23.3	22.2	1.1
2026-03-24 21:17:00	23.3	22.2	1.1
2026-03-24 21:18:00	23.3	22.3	1.0
2026-03-24 21:19:00	23.3	22.3	1.0
2026-03-24 21:20:00	23.3	22.2	1.1
2026-03-24 21:21:00	23.3	22.2	1.1
2026-03-24 21:22:00	23.3	22.2	1.1
2026-03-24 21:23:00	23.3	22.2	1.1
2026-03-24 21:24:00	23.3	22.2	1.1
2026-03-24 21:25:00	23.3	22.2	1.1
2026-03-24 21:26:00	23.3	22.2	1.1
2026-03-24 21:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 21:28:00	23.3	22.2	1.1
2026-03-24 21:29:00	23.3	22.2	1.1
2026-03-24 21:30:00	23.3	22.2	1.1
2026-03-24 21:31:00	23.3	22.2	1.1
2026-03-24 21:32:00	23.3	22.2	1.1
2026-03-24 21:33:00	23.3	22.2	1.1
2026-03-24 21:34:00	23.3	22.2	1.1
2026-03-24 21:35:00	23.3	22.2	1.1
2026-03-24 21:36:00	23.3	22.2	1.1
2026-03-24 21:37:00	23.3	22.2	1.1
2026-03-24 21:38:00	23.3	22.2	1.1
2026-03-24 21:39:00	23.3	22.2	1.1
2026-03-24 21:40:00	23.3	22.2	1.1
2026-03-24 21:41:00	23.3	22.2	1.1
2026-03-24 21:42:00	23.3	22.2	1.1
2026-03-24 21:43:00	23.3	22.2	1.1
2026-03-24 21:44:00	23.3	22.2	1.1
2026-03-24 21:45:00	23.3	22.3	1.0
2026-03-24 21:46:00	23.3	22.3	1.0
2026-03-24 21:47:00	23.3	22.3	1.0
2026-03-24 21:48:00	23.3	22.2	1.1
2026-03-24 21:49:00	23.4	22.2	1.2
2026-03-24 21:50:00	23.4	22.2	1.2
2026-03-24 21:51:00	23.3	22.3	1.0
2026-03-24 21:52:00	23.3	22.3	1.0
2026-03-24 21:53:00	23.3	22.3	1.0
2026-03-24 21:54:00	23.4	22.3	1.1
2026-03-24 21:55:00	23.4	22.3	1.1
2026-03-24 21:56:00	23.4	22.3	1.1
2026-03-24 21:57:00	23.4	22.3	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 21:58:00	23.3	22.3	1.0
2026-03-24 21:59:00	23.3	22.3	1.0
2026-03-24 22:00:00	23.4	22.3	1.1
2026-03-24 22:01:00	23.3	22.3	1.0
2026-03-24 22:02:00	23.3	22.3	1.0
2026-03-24 22:03:00	23.3	22.2	1.1
2026-03-24 22:04:00	23.3	22.3	1.0
2026-03-24 22:05:00	23.3	22.2	1.1
2026-03-24 22:06:00	23.3	22.2	1.1
2026-03-24 22:07:00	23.3	22.3	1.0
2026-03-24 22:08:00	23.3	22.3	1.0
2026-03-24 22:09:00	23.3	22.3	1.0
2026-03-24 22:10:00	23.3	22.3	1.0
2026-03-24 22:11:00	23.3	22.3	1.0
2026-03-24 22:12:00	23.3	22.2	1.1
2026-03-24 22:13:00	23.3	22.3	1.0
2026-03-24 22:14:00	23.3	22.3	1.0
2026-03-24 22:15:00	23.3	22.2	1.1
2026-03-24 22:16:00	23.3	22.3	1.0
2026-03-24 22:17:00	23.3	22.3	1.0
2026-03-24 22:18:00	23.3	22.3	1.0
2026-03-24 22:19:00	23.3	22.3	1.0
2026-03-24 22:20:00	23.3	22.3	1.0
2026-03-24 22:21:00	23.3	22.3	1.0
2026-03-24 22:22:00	23.3	22.3	1.0
2026-03-24 22:23:00	23.3	22.3	1.0
2026-03-24 22:24:00	23.3	22.3	1.0
2026-03-24 22:25:00	23.3	22.3	1.0
2026-03-24 22:26:00	23.3	22.3	1.0
2026-03-24 22:27:00	23.3	22.3	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 22:28:00	23.3	22.3	1.0
2026-03-24 22:29:00	23.3	22.3	1.0
2026-03-24 22:30:00	23.3	22.3	1.0
2026-03-24 22:31:00	23.3	22.3	1.0
2026-03-24 22:32:00	23.3	22.3	1.0
2026-03-24 22:33:00	23.3	22.3	1.0
2026-03-24 22:34:00	23.3	22.3	1.0
2026-03-24 22:35:00	23.3	22.3	1.0
2026-03-24 22:36:00	23.3	22.3	1.0
2026-03-24 22:37:00	23.3	22.3	1.0
2026-03-24 22:38:00	23.3	22.3	1.0
2026-03-24 22:39:00	23.3	22.3	1.0
2026-03-24 22:40:00	23.3	22.3	1.0
2026-03-24 22:41:00	23.3	22.3	1.0
2026-03-24 22:42:00	23.3	22.3	1.0
2026-03-24 22:43:00	23.3	22.3	1.0
2026-03-24 22:44:00	23.3	22.3	1.0
2026-03-24 22:45:00	23.3	22.3	1.0
2026-03-24 22:46:00	23.3	22.3	1.0
2026-03-24 22:47:00	23.3	22.3	1.0
2026-03-24 22:48:00	23.3	22.3	1.0
2026-03-24 22:49:00	23.3	22.3	1.0
2026-03-24 22:50:00	23.3	22.3	1.0
2026-03-24 22:51:00	23.3	22.2	1.1
2026-03-24 22:52:00	23.3	22.3	1.0
2026-03-24 22:53:00	23.3	22.3	1.0
2026-03-24 22:54:00	23.3	22.3	1.0
2026-03-24 22:55:00	23.3	22.3	1.0
2026-03-24 22:56:00	23.3	22.3	1.0
2026-03-24 22:57:00	23.3	22.3	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 22:58:00	23.3	22.3	1.0
2026-03-24 22:59:00	23.3	22.2	1.1
2026-03-24 23:00:00	23.3	22.2	1.1
2026-03-24 23:01:00	23.3	22.2	1.1
2026-03-24 23:02:00	23.3	22.3	1.0
2026-03-24 23:03:00	23.3	22.3	1.0
2026-03-24 23:04:00	23.3	22.3	1.0
2026-03-24 23:05:00	23.3	22.2	1.1
2026-03-24 23:06:00	23.3	22.3	1.0
2026-03-24 23:07:00	23.3	22.3	1.0
2026-03-24 23:08:00	23.3	22.3	1.0
2026-03-24 23:09:00	23.3	22.3	1.0
2026-03-24 23:10:00	23.3	22.3	1.0
2026-03-24 23:11:00	23.3	22.3	1.0
2026-03-24 23:12:00	23.3	22.3	1.0
2026-03-24 23:13:00	23.3	22.3	1.0
2026-03-24 23:14:00	23.3	22.3	1.0
2026-03-24 23:15:00	23.3	22.3	1.0
2026-03-24 23:16:00	23.3	22.3	1.0
2026-03-24 23:17:00	23.3	22.3	1.0
2026-03-24 23:18:00	23.3	22.3	1.0
2026-03-24 23:19:00	23.3	22.2	1.1
2026-03-24 23:20:00	23.3	22.2	1.1
2026-03-24 23:21:00	23.3	22.3	1.0
2026-03-24 23:22:00	23.3	22.3	1.0
2026-03-24 23:23:00	23.3	22.2	1.1
2026-03-24 23:24:00	23.3	22.2	1.1
2026-03-24 23:25:00	23.3	22.2	1.1
2026-03-24 23:26:00	23.3	22.2	1.1
2026-03-24 23:27:00	23.3	22.2	1.1

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 23:28:00	23.3	22.2	1.1
2026-03-24 23:29:00	23.3	22.2	1.1
2026-03-24 23:30:00	23.3	22.2	1.1
2026-03-24 23:31:00	23.3	22.2	1.1
2026-03-24 23:32:00	23.3	22.3	1.0
2026-03-24 23:33:00	23.3	22.3	1.0
2026-03-24 23:34:00	23.3	22.3	1.0
2026-03-24 23:35:00	23.3	22.3	1.0
2026-03-24 23:36:00	23.3	22.3	1.0
2026-03-24 23:37:00	23.3	22.3	1.0
2026-03-24 23:38:00	23.3	22.3	1.0
2026-03-24 23:39:00	23.3	22.3	1.0
2026-03-24 23:40:00	23.3	22.3	1.0
2026-03-24 23:41:00	23.3	22.3	1.0
2026-03-24 23:42:00	23.3	22.3	1.0
2026-03-24 23:43:00	23.3	22.3	1.0
2026-03-24 23:44:00	23.3	22.3	1.0
2026-03-24 23:45:00	23.3	22.3	1.0
2026-03-24 23:46:00	23.3	22.3	1.0
2026-03-24 23:47:00	23.3	22.3	1.0
2026-03-24 23:48:00	23.3	22.3	1.0
2026-03-24 23:49:00	23.3	22.3	1.0
2026-03-24 23:50:00	23.3	22.3	1.0
2026-03-24 23:51:00	23.3	22.3	1.0
2026-03-24 23:52:00	23.3	22.3	1.0
2026-03-24 23:53:00	23.3	22.2	1.1
2026-03-24 23:54:00	23.3	22.3	1.0
2026-03-24 23:55:00	23.3	22.3	1.0
2026-03-24 23:56:00	23.3	22.3	1.0
2026-03-24 23:57:00	23.3	22.3	1.0

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-24 23:58:00	23.3	22.2	1.1
2026-03-24 23:59:00	23.3	22.3	1.0
2026-03-25 00:00:00	23.3	22.3	1.0
2026-03-25 00:01:00	23.3	22.3	1.0
2026-03-25 00:02:00	23.3	22.3	1.0
2026-03-25 00:03:00	23.3	22.3	1.0
2026-03-25 00:04:00	23.3	22.3	1.0
2026-03-25 00:05:00	23.3	22.3	1.0
2026-03-25 00:06:00	23.3	22.3	1.0
2026-03-25 00:07:00	23.3	22.3	1.0
2026-03-25 00:08:00	23.3	22.3	1.0
2026-03-25 00:09:00	23.3	22.3	1.0
2026-03-25 00:10:00	23.3	22.3	1.0
2026-03-25 00:11:00	23.3	22.3	1.0
2026-03-25 00:12:00	23.3	22.2	1.1
2026-03-25 00:13:00	23.3	22.2	1.1
2026-03-25 00:14:00	23.3	22.2	1.1
2026-03-25 00:15:00	23.3	22.3	1.0
2026-03-25 00:16:00	23.3	22.2	1.1
2026-03-25 00:17:00	23.3	22.2	1.1
2026-03-25 00:18:00	23.3	22.2	1.1
2026-03-25 00:19:00	23.3	22.3	1.0
2026-03-25 00:20:00	23.3	22.2	1.1
2026-03-25 00:21:00	23.3	22.2	1.1
2026-03-25 00:22:00	23.3	22.2	1.1
2026-03-25 00:23:00	23.3	22.2	1.1
2026-03-25 00:24:00	23.3	22.2	1.1
2026-03-25 00:25:00	23.3	22.2	1.1
2026-03-25 00:26:00	23.3	22.2	1.1
2026-03-25 00:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 00:28:00	23.3	22.2	1.1
2026-03-25 00:29:00	23.3	22.2	1.1
2026-03-25 00:30:00	23.3	22.2	1.1
2026-03-25 00:31:00	23.3	22.2	1.1
2026-03-25 00:32:00	23.3	22.2	1.1
2026-03-25 00:33:00	23.3	22.2	1.1
2026-03-25 00:34:00	23.3	22.2	1.1
2026-03-25 00:35:00	23.3	22.2	1.1
2026-03-25 00:36:00	23.3	22.2	1.1
2026-03-25 00:37:00	23.3	22.2	1.1
2026-03-25 00:38:00	23.3	22.2	1.1
2026-03-25 00:39:00	23.3	22.2	1.1
2026-03-25 00:40:00	23.3	22.2	1.1
2026-03-25 00:41:00	23.3	22.2	1.1
2026-03-25 00:42:00	23.3	22.2	1.1
2026-03-25 00:43:00	23.3	22.2	1.1
2026-03-25 00:44:00	23.3	22.2	1.1
2026-03-25 00:45:00	23.3	22.2	1.1
2026-03-25 00:46:00	23.3	22.2	1.1
2026-03-25 00:47:00	23.3	22.2	1.1
2026-03-25 00:48:00	23.3	22.2	1.1
2026-03-25 00:49:00	23.3	22.2	1.1
2026-03-25 00:50:00	23.3	22.2	1.1
2026-03-25 00:51:00	23.3	22.2	1.1
2026-03-25 00:52:00	23.3	22.2	1.1
2026-03-25 00:53:00	23.3	22.2	1.1
2026-03-25 00:54:00	23.3	22.2	1.1
2026-03-25 00:55:00	23.3	22.2	1.1
2026-03-25 00:56:00	23.3	22.2	1.1
2026-03-25 00:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 00:58:00	23.3	22.2	1.1
2026-03-25 00:59:00	23.3	22.2	1.1
2026-03-25 01:00:00	23.3	22.2	1.1
2026-03-25 01:01:00	23.3	22.2	1.1
2026-03-25 01:02:00	23.3	22.2	1.1
2026-03-25 01:03:00	23.3	22.2	1.1
2026-03-25 01:04:00	23.3	22.2	1.1
2026-03-25 01:05:00	23.3	22.2	1.1
2026-03-25 01:06:00	23.3	22.2	1.1
2026-03-25 01:07:00	23.3	22.2	1.1
2026-03-25 01:08:00	23.3	22.2	1.1
2026-03-25 01:09:00	23.3	22.2	1.1
2026-03-25 01:10:00	23.3	22.2	1.1
2026-03-25 01:11:00	23.3	22.2	1.1
2026-03-25 01:12:00	23.3	22.2	1.1
2026-03-25 01:13:00	23.3	22.2	1.1
2026-03-25 01:14:00	23.3	22.2	1.1
2026-03-25 01:15:00	23.3	22.2	1.1
2026-03-25 01:16:00	23.3	22.2	1.1
2026-03-25 01:17:00	23.3	22.2	1.1
2026-03-25 01:18:00	23.3	22.2	1.1
2026-03-25 01:19:00	23.3	22.2	1.1
2026-03-25 01:20:00	23.3	22.2	1.1
2026-03-25 01:21:00	23.3	22.2	1.1
2026-03-25 01:22:00	23.3	22.2	1.1
2026-03-25 01:23:00	23.3	22.2	1.1
2026-03-25 01:24:00	23.3	22.2	1.1
2026-03-25 01:25:00	23.3	22.2	1.1
2026-03-25 01:26:00	23.3	22.2	1.1
2026-03-25 01:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 01:28:00	23.3	22.2	1.1
2026-03-25 01:29:00	23.3	22.2	1.1
2026-03-25 01:30:00	23.3	22.2	1.1
2026-03-25 01:31:00	23.3	22.2	1.1
2026-03-25 01:32:00	23.3	22.2	1.1
2026-03-25 01:33:00	23.3	22.2	1.1
2026-03-25 01:34:00	23.3	22.2	1.1
2026-03-25 01:35:00	23.3	22.2	1.1
2026-03-25 01:36:00	23.3	22.2	1.1
2026-03-25 01:37:00	23.3	22.2	1.1
2026-03-25 01:38:00	23.3	22.2	1.1
2026-03-25 01:39:00	23.3	22.2	1.1
2026-03-25 01:40:00	23.3	22.2	1.1
2026-03-25 01:41:00	23.3	22.2	1.1
2026-03-25 01:42:00	23.2	22.2	1.0
2026-03-25 01:43:00	23.3	22.2	1.1
2026-03-25 01:44:00	23.2	22.2	1.0
2026-03-25 01:45:00	23.2	22.2	1.0
2026-03-25 01:46:00	23.3	22.2	1.1
2026-03-25 01:47:00	23.3	22.2	1.1
2026-03-25 01:48:00	23.3	22.2	1.1
2026-03-25 01:49:00	23.3	22.2	1.1
2026-03-25 01:50:00	23.2	22.2	1.0
2026-03-25 01:51:00	23.3	22.2	1.1
2026-03-25 01:52:00	23.3	22.2	1.1
2026-03-25 01:53:00	23.2	22.2	1.0
2026-03-25 01:54:00	23.3	22.2	1.1
2026-03-25 01:55:00	23.2	22.2	1.0
2026-03-25 01:56:00	23.3	22.2	1.1
2026-03-25 01:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 01:58:00	23.3	22.2	1.1
2026-03-25 01:59:00	23.3	22.2	1.1
2026-03-25 02:00:00	23.3	22.2	1.1
2026-03-25 02:01:00	23.3	22.2	1.1
2026-03-25 02:02:00	23.2	22.2	1.0
2026-03-25 02:03:00	23.2	22.2	1.0
2026-03-25 02:04:00	23.2	22.2	1.0
2026-03-25 02:05:00	23.2	22.2	1.0
2026-03-25 02:06:00	23.2	22.2	1.0
2026-03-25 02:07:00	23.2	22.2	1.0
2026-03-25 02:08:00	23.2	22.2	1.0
2026-03-25 02:09:00	23.2	22.2	1.0
2026-03-25 02:10:00	23.2	22.2	1.0
2026-03-25 02:11:00	23.2	22.2	1.0
2026-03-25 02:12:00	23.2	22.2	1.0
2026-03-25 02:13:00	23.2	22.2	1.0
2026-03-25 02:14:00	23.2	22.2	1.0
2026-03-25 02:15:00	23.2	22.2	1.0
2026-03-25 02:16:00	23.2	22.2	1.0
2026-03-25 02:17:00	23.2	22.2	1.0
2026-03-25 02:18:00	23.2	22.2	1.0
2026-03-25 02:19:00	23.2	22.2	1.0
2026-03-25 02:20:00	23.2	22.2	1.0
2026-03-25 02:21:00	23.2	22.3	0.9
2026-03-25 02:22:00	23.2	22.3	0.9
2026-03-25 02:23:00	23.2	22.2	1.0
2026-03-25 02:24:00	23.2	22.2	1.0
2026-03-25 02:25:00	23.2	22.2	1.0
2026-03-25 02:26:00	23.2	22.2	1.0
2026-03-25 02:27:00	23.2	22.3	0.9

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 02:28:00	23.2	22.2	1.0
2026-03-25 02:29:00	23.2	22.2	1.0
2026-03-25 02:30:00	23.3	22.2	1.1
2026-03-25 02:31:00	23.2	22.2	1.0
2026-03-25 02:32:00	23.2	22.2	1.0
2026-03-25 02:33:00	23.2	22.2	1.0
2026-03-25 02:34:00	23.3	22.2	1.1
2026-03-25 02:35:00	23.3	22.2	1.1
2026-03-25 02:36:00	23.3	22.2	1.1
2026-03-25 02:37:00	23.3	22.2	1.1
2026-03-25 02:38:00	23.3	22.2	1.1
2026-03-25 02:39:00	23.3	22.2	1.1
2026-03-25 02:40:00	23.2	22.2	1.0
2026-03-25 02:41:00	23.3	22.2	1.1
2026-03-25 02:42:00	23.3	22.2	1.1
2026-03-25 02:43:00	23.3	22.2	1.1
2026-03-25 02:44:00	23.2	22.2	1.0
2026-03-25 02:45:00	23.2	22.2	1.0
2026-03-25 02:46:00	23.2	22.2	1.0
2026-03-25 02:47:00	23.2	22.2	1.0
2026-03-25 02:48:00	23.2	22.2	1.0
2026-03-25 02:49:00	23.2	22.2	1.0
2026-03-25 02:50:00	23.2	22.2	1.0
2026-03-25 02:51:00	23.2	22.2	1.0
2026-03-25 02:52:00	23.2	22.2	1.0
2026-03-25 02:53:00	23.2	22.2	1.0
2026-03-25 02:54:00	23.2	22.2	1.0
2026-03-25 02:55:00	23.2	22.2	1.0
2026-03-25 02:56:00	23.2	22.2	1.0
2026-03-25 02:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 02:58:00	23.3	22.2	1.1
2026-03-25 02:59:00	23.2	22.2	1.0
2026-03-25 03:00:00	23.3	22.2	1.1
2026-03-25 03:01:00	23.2	22.2	1.0
2026-03-25 03:02:00	23.2	22.2	1.0
2026-03-25 03:03:00	23.2	22.2	1.0
2026-03-25 03:04:00	23.2	22.2	1.0
2026-03-25 03:05:00	23.2	22.2	1.0
2026-03-25 03:06:00	23.2	22.2	1.0
2026-03-25 03:07:00	23.2	22.2	1.0
2026-03-25 03:08:00	23.2	22.2	1.0
2026-03-25 03:09:00	23.2	22.2	1.0
2026-03-25 03:10:00	23.2	22.2	1.0
2026-03-25 03:11:00	23.2	22.2	1.0
2026-03-25 03:12:00	23.2	22.2	1.0
2026-03-25 03:13:00	23.2	22.2	1.0
2026-03-25 03:14:00	23.2	22.2	1.0
2026-03-25 03:15:00	23.2	22.2	1.0
2026-03-25 03:16:00	23.2	22.2	1.0
2026-03-25 03:17:00	23.2	22.2	1.0
2026-03-25 03:18:00	23.3	22.2	1.1
2026-03-25 03:19:00	23.2	22.2	1.0
2026-03-25 03:20:00	23.2	22.2	1.0
2026-03-25 03:21:00	23.2	22.2	1.0
2026-03-25 03:22:00	23.2	22.2	1.0
2026-03-25 03:23:00	23.2	22.2	1.0
2026-03-25 03:24:00	23.2	22.2	1.0
2026-03-25 03:25:00	23.2	22.2	1.0
2026-03-25 03:26:00	23.2	22.2	1.0
2026-03-25 03:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 03:28:00	23.2	22.2	1.0
2026-03-25 03:29:00	23.2	22.2	1.0
2026-03-25 03:30:00	23.2	22.2	1.0
2026-03-25 03:31:00	23.2	22.2	1.0
2026-03-25 03:32:00	23.2	22.2	1.0
2026-03-25 03:33:00	23.2	22.2	1.0
2026-03-25 03:34:00	23.2	22.2	1.0
2026-03-25 03:35:00	23.2	22.2	1.0
2026-03-25 03:36:00	23.2	22.2	1.0
2026-03-25 03:37:00	23.2	22.2	1.0
2026-03-25 03:38:00	23.2	22.2	1.0
2026-03-25 03:39:00	23.2	22.2	1.0
2026-03-25 03:40:00	23.2	22.2	1.0
2026-03-25 03:41:00	23.2	22.2	1.0
2026-03-25 03:42:00	23.2	22.2	1.0
2026-03-25 03:43:00	23.2	22.2	1.0
2026-03-25 03:44:00	23.2	22.2	1.0
2026-03-25 03:45:00	23.2	22.2	1.0
2026-03-25 03:46:00	23.2	22.2	1.0
2026-03-25 03:47:00	23.2	22.2	1.0
2026-03-25 03:48:00	23.2	22.2	1.0
2026-03-25 03:49:00	23.2	22.2	1.0
2026-03-25 03:50:00	23.2	22.2	1.0
2026-03-25 03:51:00	23.2	22.2	1.0
2026-03-25 03:52:00	23.2	22.2	1.0
2026-03-25 03:53:00	23.2	22.2	1.0
2026-03-25 03:54:00	23.2	22.2	1.0
2026-03-25 03:55:00	23.2	22.2	1.0
2026-03-25 03:56:00	23.2	22.2	1.0
2026-03-25 03:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 03:58:00	23.2	22.2	1.0
2026-03-25 03:59:00	23.2	22.2	1.0
2026-03-25 04:00:00	23.2	22.2	1.0
2026-03-25 04:01:00	23.2	22.2	1.0
2026-03-25 04:02:00	23.2	22.2	1.0
2026-03-25 04:03:00	23.2	22.2	1.0
2026-03-25 04:04:00	23.2	22.2	1.0
2026-03-25 04:05:00	23.2	22.2	1.0
2026-03-25 04:06:00	23.2	22.2	1.0
2026-03-25 04:07:00	23.2	22.2	1.0
2026-03-25 04:08:00	23.2	22.2	1.0
2026-03-25 04:09:00	23.2	22.2	1.0
2026-03-25 04:10:00	23.2	22.2	1.0
2026-03-25 04:11:00	23.2	22.2	1.0
2026-03-25 04:12:00	23.2	22.2	1.0
2026-03-25 04:13:00	23.2	22.2	1.0
2026-03-25 04:14:00	23.2	22.2	1.0
2026-03-25 04:15:00	23.2	22.2	1.0
2026-03-25 04:16:00	23.2	22.2	1.0
2026-03-25 04:17:00	23.2	22.2	1.0
2026-03-25 04:18:00	23.2	22.2	1.0
2026-03-25 04:19:00	23.2	22.2	1.0
2026-03-25 04:20:00	23.2	22.2	1.0
2026-03-25 04:21:00	23.2	22.2	1.0
2026-03-25 04:22:00	23.2	22.2	1.0
2026-03-25 04:23:00	23.2	22.2	1.0
2026-03-25 04:24:00	23.2	22.2	1.0
2026-03-25 04:25:00	23.2	22.2	1.0
2026-03-25 04:26:00	23.2	22.2	1.0
2026-03-25 04:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 04:28:00	23.2	22.2	1.0
2026-03-25 04:29:00	23.2	22.2	1.0
2026-03-25 04:30:00	23.2	22.2	1.0
2026-03-25 04:31:00	23.2	22.2	1.0
2026-03-25 04:32:00	23.2	22.2	1.0
2026-03-25 04:33:00	23.2	22.2	1.0
2026-03-25 04:34:00	23.2	22.2	1.0
2026-03-25 04:35:00	23.2	22.2	1.0
2026-03-25 04:36:00	23.2	22.2	1.0
2026-03-25 04:37:00	23.2	22.2	1.0
2026-03-25 04:38:00	23.2	22.2	1.0
2026-03-25 04:39:00	23.2	22.2	1.0
2026-03-25 04:40:00	23.2	22.2	1.0
2026-03-25 04:41:00	23.2	22.2	1.0
2026-03-25 04:42:00	23.2	22.2	1.0
2026-03-25 04:43:00	23.2	22.2	1.0
2026-03-25 04:44:00	23.2	22.2	1.0
2026-03-25 04:45:00	23.2	22.2	1.0
2026-03-25 04:46:00	23.2	22.2	1.0
2026-03-25 04:47:00	23.2	22.2	1.0
2026-03-25 04:48:00	23.2	22.2	1.0
2026-03-25 04:49:00	23.2	22.2	1.0
2026-03-25 04:50:00	23.2	22.2	1.0
2026-03-25 04:51:00	23.2	22.2	1.0
2026-03-25 04:52:00	23.2	22.2	1.0
2026-03-25 04:53:00	23.2	22.2	1.0
2026-03-25 04:54:00	23.2	22.2	1.0
2026-03-25 04:55:00	23.2	22.2	1.0
2026-03-25 04:56:00	23.2	22.2	1.0
2026-03-25 04:57:00	23.2	22.2	1.0

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 04:58:00	23.2	22.2	1.0
2026-03-25 04:59:00	23.2	22.2	1.0
2026-03-25 05:00:00	23.2	22.2	1.0
2026-03-25 05:01:00	23.2	22.2	1.0
2026-03-25 05:02:00	23.2	22.2	1.0
2026-03-25 05:03:00	23.2	22.2	1.0
2026-03-25 05:04:00	23.2	22.2	1.0
2026-03-25 05:05:00	23.2	22.2	1.0
2026-03-25 05:06:00	23.2	22.2	1.0
2026-03-25 05:07:00	23.2	22.2	1.0
2026-03-25 05:08:00	23.2	22.2	1.0
2026-03-25 05:09:00	23.2	22.2	1.0
2026-03-25 05:10:00	23.2	22.2	1.0
2026-03-25 05:11:00	23.2	22.2	1.0
2026-03-25 05:12:00	23.2	22.2	1.0
2026-03-25 05:13:00	23.2	22.2	1.0
2026-03-25 05:14:00	23.2	22.2	1.0
2026-03-25 05:15:00	23.2	22.2	1.0
2026-03-25 05:16:00	23.2	22.2	1.0
2026-03-25 05:17:00	23.2	22.2	1.0
2026-03-25 05:18:00	23.2	22.2	1.0
2026-03-25 05:19:00	23.2	22.2	1.0
2026-03-25 05:20:00	23.2	22.2	1.0
2026-03-25 05:21:00	23.2	22.2	1.0
2026-03-25 05:22:00	23.2	22.2	1.0
2026-03-25 05:23:00	23.2	22.2	1.0
2026-03-25 05:24:00	23.2	22.2	1.0
2026-03-25 05:25:00	23.2	22.2	1.0
2026-03-25 05:26:00	23.2	22.2	1.0
2026-03-25 05:27:00	23.2	22.2	1.0

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 05:28:00	23.2	22.2	1.0
2026-03-25 05:29:00	23.2	22.2	1.0
2026-03-25 05:30:00	23.2	22.2	1.0
2026-03-25 05:31:00	23.2	22.2	1.0
2026-03-25 05:32:00	23.2	22.2	1.0
2026-03-25 05:33:00	23.2	22.2	1.0
2026-03-25 05:34:00	23.2	22.2	1.0
2026-03-25 05:35:00	23.2	22.2	1.0
2026-03-25 05:36:00	23.2	22.2	1.0
2026-03-25 05:37:00	23.2	22.2	1.0
2026-03-25 05:38:00	23.2	22.2	1.0
2026-03-25 05:39:00	23.2	22.2	1.0
2026-03-25 05:40:00	23.2	22.2	1.0
2026-03-25 05:41:00	23.2	22.2	1.0
2026-03-25 05:42:00	23.2	22.2	1.0
2026-03-25 05:43:00	23.2	22.2	1.0
2026-03-25 05:44:00	23.2	22.2	1.0
2026-03-25 05:45:00	23.2	22.2	1.0
2026-03-25 05:46:00	23.2	22.2	1.0
2026-03-25 05:47:00	23.2	22.2	1.0
2026-03-25 05:48:00	23.2	22.2	1.0
2026-03-25 05:49:00	23.2	22.2	1.0
2026-03-25 05:50:00	23.2	22.2	1.0
2026-03-25 05:51:00	23.2	22.2	1.0
2026-03-25 05:52:00	23.2	22.2	1.0
2026-03-25 05:53:00	23.2	22.2	1.0
2026-03-25 05:54:00	23.2	22.2	1.0
2026-03-25 05:55:00	23.2	22.2	1.0
2026-03-25 05:56:00	23.2	22.2	1.0
2026-03-25 05:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 05:58:00	23.2	22.2	1.0
2026-03-25 05:59:00	23.2	22.2	1.0
2026-03-25 06:00:00	23.2	22.2	1.0
2026-03-25 06:01:00	23.2	22.2	1.0
2026-03-25 06:02:00	23.2	22.2	1.0
2026-03-25 06:03:00	23.2	22.1	1.1
2026-03-25 06:04:00	23.2	22.2	1.0
2026-03-25 06:05:00	23.2	22.2	1.0
2026-03-25 06:06:00	23.2	22.1	1.1
2026-03-25 06:07:00	23.2	22.2	1.0
2026-03-25 06:08:00	23.2	22.2	1.0
2026-03-25 06:09:00	23.2	22.2	1.0
2026-03-25 06:10:00	23.2	22.2	1.0
2026-03-25 06:11:00	23.2	22.2	1.0
2026-03-25 06:12:00	23.2	22.2	1.0
2026-03-25 06:13:00	23.2	22.2	1.0
2026-03-25 06:14:00	23.2	22.2	1.0
2026-03-25 06:15:00	23.2	22.2	1.0
2026-03-25 06:16:00	23.2	22.2	1.0
2026-03-25 06:17:00	23.2	22.2	1.0
2026-03-25 06:18:00	23.2	22.2	1.0
2026-03-25 06:19:00	23.2	22.2	1.0
2026-03-25 06:20:00	23.2	22.2	1.0
2026-03-25 06:21:00	23.2	22.2	1.0
2026-03-25 06:22:00	23.2	22.2	1.0
2026-03-25 06:23:00	23.2	22.2	1.0
2026-03-25 06:24:00	23.2	22.2	1.0
2026-03-25 06:25:00	23.2	22.2	1.0
2026-03-25 06:26:00	23.2	22.2	1.0
2026-03-25 06:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 06:28:00	23.2	22.2	1.0
2026-03-25 06:29:00	23.2	22.2	1.0
2026-03-25 06:30:00	23.2	22.2	1.0
2026-03-25 06:31:00	23.2	22.2	1.0
2026-03-25 06:32:00	23.2	22.2	1.0
2026-03-25 06:33:00	23.2	22.2	1.0
2026-03-25 06:34:00	23.2	22.2	1.0
2026-03-25 06:35:00	23.2	22.2	1.0
2026-03-25 06:36:00	23.2	22.2	1.0
2026-03-25 06:37:00	23.2	22.2	1.0
2026-03-25 06:38:00	23.2	22.2	1.0
2026-03-25 06:39:00	23.2	22.2	1.0
2026-03-25 06:40:00	23.2	22.2	1.0
2026-03-25 06:41:00	23.2	22.2	1.0
2026-03-25 06:42:00	23.2	22.2	1.0
2026-03-25 06:43:00	23.2	22.2	1.0
2026-03-25 06:44:00	23.2	22.2	1.0
2026-03-25 06:45:00	23.2	22.2	1.0
2026-03-25 06:46:00	23.2	22.2	1.0
2026-03-25 06:47:00	23.2	22.2	1.0
2026-03-25 06:48:00	23.2	22.2	1.0
2026-03-25 06:49:00	23.2	22.2	1.0
2026-03-25 06:50:00	23.2	22.2	1.0
2026-03-25 06:51:00	23.2	22.2	1.0
2026-03-25 06:52:00	23.2	22.2	1.0
2026-03-25 06:53:00	23.2	22.2	1.0
2026-03-25 06:54:00	23.2	22.2	1.0
2026-03-25 06:55:00	23.2	22.2	1.0
2026-03-25 06:56:00	23.2	22.2	1.0
2026-03-25 06:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 06:58:00	23.2	22.2	1.0
2026-03-25 06:59:00	23.2	22.2	1.0
2026-03-25 07:00:00	23.2	22.2	1.0
2026-03-25 07:01:00	23.2	22.2	1.0
2026-03-25 07:02:00	23.2	22.2	1.0
2026-03-25 07:03:00	23.2	22.2	1.0
2026-03-25 07:04:00	23.2	22.2	1.0
2026-03-25 07:05:00	23.2	22.2	1.0
2026-03-25 07:06:00	23.2	22.2	1.0
2026-03-25 07:07:00	23.2	22.2	1.0
2026-03-25 07:08:00	23.2	22.2	1.0
2026-03-25 07:09:00	23.2	22.2	1.0
2026-03-25 07:10:00	23.2	22.2	1.0
2026-03-25 07:11:00	23.2	22.2	1.0
2026-03-25 07:12:00	23.2	22.2	1.0
2026-03-25 07:13:00	23.2	22.2	1.0
2026-03-25 07:14:00	23.2	22.2	1.0
2026-03-25 07:15:00	23.2	22.2	1.0
2026-03-25 07:16:00	23.2	22.2	1.0
2026-03-25 07:17:00	23.2	22.2	1.0
2026-03-25 07:18:00	23.2	22.2	1.0
2026-03-25 07:19:00	23.2	22.2	1.0
2026-03-25 07:20:00	23.2	22.2	1.0
2026-03-25 07:21:00	23.2	22.2	1.0
2026-03-25 07:22:00	23.2	22.2	1.0
2026-03-25 07:23:00	23.2	22.2	1.0
2026-03-25 07:24:00	23.2	22.2	1.0
2026-03-25 07:25:00	23.2	22.2	1.0
2026-03-25 07:26:00	23.2	22.2	1.0
2026-03-25 07:27:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 07:28:00	23.2	22.2	1.0
2026-03-25 07:29:00	23.2	22.2	1.0
2026-03-25 07:30:00	23.2	22.2	1.0
2026-03-25 07:31:00	23.2	22.2	1.0
2026-03-25 07:32:00	23.2	22.2	1.0
2026-03-25 07:33:00	23.2	22.2	1.0
2026-03-25 07:34:00	23.2	22.2	1.0
2026-03-25 07:35:00	23.2	22.2	1.0
2026-03-25 07:36:00	23.2	22.2	1.0
2026-03-25 07:37:00	23.2	22.2	1.0
2026-03-25 07:38:00	23.2	22.2	1.0
2026-03-25 07:39:00	23.2	22.2	1.0
2026-03-25 07:40:00	23.2	22.2	1.0
2026-03-25 07:41:00	23.2	22.2	1.0
2026-03-25 07:42:00	23.2	22.2	1.0
2026-03-25 07:43:00	23.2	22.2	1.0
2026-03-25 07:44:00	23.2	22.2	1.0
2026-03-25 07:45:00	23.2	22.2	1.0
2026-03-25 07:46:00	23.2	22.2	1.0
2026-03-25 07:47:00	23.2	22.2	1.0
2026-03-25 07:48:00	23.2	22.2	1.0
2026-03-25 07:49:00	23.2	22.2	1.0
2026-03-25 07:50:00	23.2	22.2	1.0
2026-03-25 07:51:00	23.2	22.2	1.0
2026-03-25 07:52:00	23.2	22.2	1.0
2026-03-25 07:53:00	23.2	22.2	1.0
2026-03-25 07:54:00	23.2	22.2	1.0
2026-03-25 07:55:00	23.2	22.2	1.0
2026-03-25 07:56:00	23.2	22.2	1.0
2026-03-25 07:57:00	23.2	22.2	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 07:58:00	23.2	22.2	1.0
2026-03-25 07:59:00	23.2	22.2	1.0
2026-03-25 08:00:00	23.2	22.2	1.0
2026-03-25 08:01:00	23.2	22.2	1.0
2026-03-25 08:02:00	23.2	22.2	1.0
2026-03-25 08:03:00	23.2	22.2	1.0
2026-03-25 08:04:00	23.2	22.2	1.0
2026-03-25 08:05:00	23.2	22.2	1.0
2026-03-25 08:06:00	23.2	22.2	1.0
2026-03-25 08:07:00	23.2	22.2	1.0
2026-03-25 08:08:00	23.2	22.2	1.0
2026-03-25 08:09:00	23.2	22.2	1.0
2026-03-25 08:10:00	23.2	22.2	1.0
2026-03-25 08:11:00	23.2	22.2	1.0
2026-03-25 08:12:00	23.2	22.2	1.0
2026-03-25 08:13:00	23.2	22.2	1.0
2026-03-25 08:14:00	23.2	22.2	1.0
2026-03-25 08:15:00	23.2	22.2	1.0
2026-03-25 08:16:00	23.2	22.2	1.0
2026-03-25 08:17:00	23.2	22.2	1.0
2026-03-25 08:18:00	23.2	22.2	1.0
2026-03-25 08:19:00	23.2	22.2	1.0
2026-03-25 08:20:00	23.2	22.2	1.0
2026-03-25 08:21:00	23.2	22.2	1.0
2026-03-25 08:22:00	23.2	22.2	1.0
2026-03-25 08:23:00	23.2	22.2	1.0
2026-03-25 08:24:00	23.2	22.2	1.0
2026-03-25 08:25:00	23.2	22.2	1.0
2026-03-25 08:26:00	23.2	22.2	1.0
2026-03-25 08:27:00	23.2	22.2	1.0

---

时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 08:28:00	23.2	22.2	1.0
2026-03-25 08:29:00	23.2	22.2	1.0
2026-03-25 08:30:00	23.2	22.2	1.0
2026-03-25 08:31:00	23.2	22.2	1.0
2026-03-25 08:32:00	23.2	22.2	1.0
2026-03-25 08:33:00	23.2	22.2	1.0
2026-03-25 08:34:00	23.2	22.2	1.0
2026-03-25 08:35:00	23.2	22.2	1.0
2026-03-25 08:36:00	23.2	22.2	1.0
2026-03-25 08:37:00	23.2	22.2	1.0
2026-03-25 08:38:00	23.2	22.2	1.0
2026-03-25 08:39:00	23.2	22.2	1.0
2026-03-25 08:40:00	23.2	22.3	0.9
2026-03-25 08:41:00	23.2	22.3	0.9
2026-03-25 08:42:00	23.2	22.2	1.0
2026-03-25 08:43:00	23.2	22.3	0.9
2026-03-25 08:44:00	23.2	22.3	0.9
2026-03-25 08:45:00	23.2	22.3	0.9
2026-03-25 08:46:00	23.2	22.3	0.9
2026-03-25 08:47:00	23.2	22.3	0.9
2026-03-25 08:48:00	23.2	22.3	0.9
2026-03-25 08:49:00	23.3	22.3	1.0
2026-03-25 08:50:00	23.3	22.3	1.0
2026-03-25 08:51:00	23.3	22.3	1.0
2026-03-25 08:52:00	23.3	22.3	1.0
2026-03-25 08:53:00	23.3	22.3	1.0
2026-03-25 08:54:00	23.3	22.3	1.0
2026-03-25 08:55:00	23.3	22.3	1.0
2026-03-25 08:56:00	23.3	22.3	1.0
2026-03-25 08:57:00	23.3	22.3	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 08:58:00	23.3	22.3	1.0
2026-03-25 08:59:00	23.3	22.3	1.0
2026-03-25 09:00:00	23.3	22.3	1.0
2026-03-25 09:01:00	23.3	22.4	0.9
2026-03-25 09:02:00	23.3	22.4	0.9
2026-03-25 09:03:00	23.3	22.4	0.9
2026-03-25 09:04:00	23.3	22.4	0.9
2026-03-25 09:05:00	23.3	22.4	0.9
2026-03-25 09:06:00	23.3	22.4	0.9
2026-03-25 09:07:00	23.3	22.4	0.9
2026-03-25 09:08:00	23.3	22.4	0.9
2026-03-25 09:09:00	23.3	22.4	0.9
2026-03-25 09:10:00	23.3	22.4	0.9
2026-03-25 09:11:00	23.3	22.4	0.9
2026-03-25 09:12:00	23.3	22.4	0.9
2026-03-25 09:13:00	23.3	22.4	0.9
2026-03-25 09:14:00	23.3	22.4	0.9
2026-03-25 09:15:00	23.3	22.4	0.9
2026-03-25 09:16:00	23.3	22.4	0.9
2026-03-25 09:17:00	23.3	22.4	0.9
2026-03-25 09:18:00	23.3	22.4	0.9
2026-03-25 09:19:00	23.3	22.4	0.9
2026-03-25 09:20:00	23.3	22.4	0.9
2026-03-25 09:21:00	23.3	22.4	0.9
2026-03-25 09:22:00	23.3	22.4	0.9
2026-03-25 09:23:00	23.3	22.4	0.9
2026-03-25 09:24:00	23.4	22.4	1.0
2026-03-25 09:25:00	23.4	22.4	1.0
2026-03-25 09:26:00	23.4	22.4	1.0
2026-03-25 09:27:00	23.4	22.4	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 09:28:00	23.4	22.4	1.0
2026-03-25 09:29:00	23.4	22.4	1.0
2026-03-25 09:30:00	23.4	22.4	1.0
2026-03-25 09:31:00	23.4	22.4	1.0
2026-03-25 09:32:00	23.4	22.4	1.0
2026-03-25 09:33:00	23.4	22.4	1.0
2026-03-25 09:34:00	23.4	22.4	1.0
2026-03-25 09:35:00	23.4	22.4	1.0
2026-03-25 09:36:00	23.4	22.4	1.0
2026-03-25 09:37:00	23.4	22.4	1.0
2026-03-25 09:38:00	23.4	22.4	1.0
2026-03-25 09:39:00	23.4	22.4	1.0
2026-03-25 09:40:00	23.4	22.4	1.0
2026-03-25 09:41:00	23.4	22.4	1.0
2026-03-25 09:42:00	23.4	22.4	1.0
2026-03-25 09:43:00	23.4	22.4	1.0
2026-03-25 09:44:00	23.4	22.4	1.0
2026-03-25 09:45:00	23.4	22.4	1.0
2026-03-25 09:46:00	23.4	22.4	1.0
2026-03-25 09:47:00	23.4	22.4	1.0
2026-03-25 09:48:00	23.4	22.4	1.0
2026-03-25 09:49:00	23.4	22.4	1.0
2026-03-25 09:50:00	23.4	22.4	1.0
2026-03-25 09:51:00	23.4	22.4	1.0
2026-03-25 09:52:00	23.4	22.4	1.0
2026-03-25 09:53:00	23.4	22.4	1.0
2026-03-25 09:54:00	23.4	22.4	1.0
2026-03-25 09:55:00	23.4	22.4	1.0
2026-03-25 09:56:00	23.4	22.4	1.0
2026-03-25 09:57:00	23.4	22.4	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 09:58:00	23.4	22.5	0.9
2026-03-25 09:59:00	23.4	22.4	1.0
2026-03-25 10:00:00	23.4	22.4	1.0
2026-03-25 10:01:00	23.4	22.4	1.0
2026-03-25 10:02:00	23.4	22.4	1.0
2026-03-25 10:03:00	23.4	22.4	1.0
2026-03-25 10:04:00	23.4	22.4	1.0
2026-03-25 10:05:00	23.4	22.4	1.0
2026-03-25 10:06:00	23.4	22.4	1.0
2026-03-25 10:07:00	23.5	22.4	1.1
2026-03-25 10:08:00	23.5	22.4	1.1
2026-03-25 10:09:00	23.5	22.4	1.1
2026-03-25 10:10:00	23.4	22.4	1.0
2026-03-25 10:11:00	23.5	22.5	1.0
2026-03-25 10:12:00	23.5	22.5	1.0
2026-03-25 10:13:00	23.5	22.5	1.0
2026-03-25 10:14:00	23.5	22.5	1.0
2026-03-25 10:15:00	23.5	22.5	1.0
2026-03-25 10:16:00	23.5	22.5	1.0
2026-03-25 10:17:00	23.5	22.5	1.0
2026-03-25 10:18:00	23.5	22.5	1.0
2026-03-25 10:19:00	23.5	22.5	1.0
2026-03-25 10:20:00	23.5	22.5	1.0
2026-03-25 10:21:00	23.5	22.5	1.0
2026-03-25 10:22:00	23.5	22.5	1.0
2026-03-25 10:23:00	23.5	22.5	1.0
2026-03-25 10:24:00	23.5	22.5	1.0
2026-03-25 10:25:00	23.5	22.5	1.0
2026-03-25 10:26:00	23.5	22.5	1.0
2026-03-25 10:27:00	23.5	22.5	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 10:28:00	23.5	22.5	1.0
2026-03-25 10:29:00	23.5	22.5	1.0
2026-03-25 10:30:00	23.5	22.5	1.0
2026-03-25 10:31:00	23.5	22.5	1.0
2026-03-25 10:32:00	23.5	22.5	1.0
2026-03-25 10:33:00	23.5	22.5	1.0
2026-03-25 10:34:00	23.5	22.5	1.0
2026-03-25 10:35:00	23.5	22.5	1.0
2026-03-25 10:36:00	23.5	22.5	1.0
2026-03-25 10:37:00	23.5	22.5	1.0
2026-03-25 10:38:00	23.5	22.5	1.0
2026-03-25 10:39:00	23.5	22.5	1.0
2026-03-25 10:40:00	23.5	22.5	1.0
2026-03-25 10:41:00	23.5	22.5	1.0
2026-03-25 10:42:00	23.5	22.5	1.0
2026-03-25 10:43:00	23.5	22.4	1.1
2026-03-25 10:44:00	23.5	22.4	1.1
2026-03-25 10:45:00	23.5	22.5	1.0
2026-03-25 10:46:00	23.5	22.5	1.0
2026-03-25 10:47:00	23.5	22.4	1.1
2026-03-25 10:48:00	23.4	22.4	1.0
2026-03-25 10:49:00	23.4	22.4	1.0
2026-03-25 10:50:00	23.4	22.4	1.0
2026-03-25 10:51:00	23.4	22.4	1.0
2026-03-25 10:52:00	23.4	22.4	1.0
2026-03-25 10:53:00	23.5	22.4	1.1
2026-03-25 10:54:00	23.4	22.4	1.0
2026-03-25 10:55:00	23.4	22.4	1.0
2026-03-25 10:56:00	23.4	22.4	1.0
2026-03-25 10:57:00	23.4	22.4	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 10:58:00	23.4	22.4	1.0
2026-03-25 10:59:00	23.4	22.4	1.0
2026-03-25 11:00:00	23.4	22.4	1.0
2026-03-25 11:01:00	23.4	22.3	1.1
2026-03-25 11:02:00	23.4	22.3	1.1
2026-03-25 11:03:00	23.4	22.3	1.1
2026-03-25 11:04:00	23.4	22.3	1.1
2026-03-25 11:05:00	23.4	22.3	1.1
2026-03-25 11:06:00	23.4	22.3	1.1
2026-03-25 11:07:00	23.4	22.3	1.1
2026-03-25 11:08:00	23.4	22.3	1.1
2026-03-25 11:09:00	23.4	22.3	1.1
2026-03-25 11:10:00	23.4	22.3	1.1
2026-03-25 11:11:00	23.4	22.3	1.1
2026-03-25 11:12:00	23.4	22.3	1.1
2026-03-25 11:13:00	23.4	22.3	1.1
2026-03-25 11:14:00	23.4	22.3	1.1
2026-03-25 11:15:00	23.4	22.3	1.1
2026-03-25 11:16:00	23.4	22.3	1.1
2026-03-25 11:17:00	23.4	22.3	1.1
2026-03-25 11:18:00	23.4	22.3	1.1
2026-03-25 11:19:00	23.4	22.3	1.1
2026-03-25 11:20:00	23.4	22.3	1.1
2026-03-25 11:21:00	23.4	22.3	1.1
2026-03-25 11:22:00	23.4	22.3	1.1
2026-03-25 11:23:00	23.4	22.3	1.1
2026-03-25 11:24:00	23.4	22.3	1.1
2026-03-25 11:25:00	23.4	22.3	1.1
2026-03-25 11:26:00	23.4	22.3	1.1
2026-03-25 11:27:00	23.4	22.3	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 11:28:00	23.4	22.3	1.1
2026-03-25 11:29:00	23.4	22.3	1.1
2026-03-25 11:30:00	23.4	22.3	1.1
2026-03-25 11:31:00	23.4	22.3	1.1
2026-03-25 11:32:00	23.4	22.3	1.1
2026-03-25 11:33:00	23.4	22.3	1.1
2026-03-25 11:34:00	23.4	22.3	1.1
2026-03-25 11:35:00	23.4	22.3	1.1
2026-03-25 11:36:00	23.4	22.3	1.1
2026-03-25 11:37:00	23.4	22.3	1.1
2026-03-25 11:38:00	23.4	22.3	1.1
2026-03-25 11:39:00	23.4	22.3	1.1
2026-03-25 11:40:00	23.4	22.3	1.1
2026-03-25 11:41:00	23.4	22.3	1.1
2026-03-25 11:42:00	23.4	22.3	1.1
2026-03-25 11:43:00	23.4	22.3	1.1
2026-03-25 11:44:00	23.4	22.3	1.1
2026-03-25 11:45:00	23.4	22.3	1.1
2026-03-25 11:46:00	23.4	22.3	1.1
2026-03-25 11:47:00	23.4	22.3	1.1
2026-03-25 11:48:00	23.4	22.3	1.1
2026-03-25 11:49:00	23.4	22.3	1.1
2026-03-25 11:50:00	23.4	22.3	1.1
2026-03-25 11:51:00	23.4	22.3	1.1
2026-03-25 11:52:00	23.4	22.3	1.1
2026-03-25 11:53:00	23.4	22.3	1.1
2026-03-25 11:54:00	23.4	22.3	1.1
2026-03-25 11:55:00	23.4	22.3	1.1
2026-03-25 11:56:00	23.4	22.3	1.1
2026-03-25 11:57:00	23.4	22.3	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 11:58:00	23.4	22.3	1.1
2026-03-25 11:59:00	23.4	22.3	1.1
2026-03-25 12:00:00	23.4	22.3	1.1
2026-03-25 12:01:00	23.4	22.3	1.1
2026-03-25 12:02:00	23.4	22.3	1.1
2026-03-25 12:03:00	23.4	22.3	1.1
2026-03-25 12:04:00	23.4	22.3	1.1
2026-03-25 12:05:00	23.4	22.3	1.1
2026-03-25 12:06:00	23.4	22.3	1.1
2026-03-25 12:07:00	23.4	22.3	1.1
2026-03-25 12:08:00	23.4	22.3	1.1
2026-03-25 12:09:00	23.4	22.3	1.1
2026-03-25 12:10:00	23.4	22.3	1.1
2026-03-25 12:11:00	23.4	22.3	1.1
2026-03-25 12:12:00	23.4	22.3	1.1
2026-03-25 12:13:00	23.4	22.3	1.1
2026-03-25 12:14:00	23.4	22.3	1.1
2026-03-25 12:15:00	23.4	22.3	1.1
2026-03-25 12:16:00	23.4	22.3	1.1
2026-03-25 12:17:00	23.4	22.3	1.1
2026-03-25 12:18:00	23.4	22.3	1.1
2026-03-25 12:19:00	23.4	22.3	1.1
2026-03-25 12:20:00	23.4	22.3	1.1
2026-03-25 12:21:00	23.4	22.2	1.2
2026-03-25 12:22:00	23.4	22.3	1.1
2026-03-25 12:23:00	23.4	22.3	1.1
2026-03-25 12:24:00	23.4	22.3	1.1
2026-03-25 12:25:00	23.4	22.3	1.1
2026-03-25 12:26:00	23.4	22.3	1.1
2026-03-25 12:27:00	23.4	22.3	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 12:28:00	23.4	22.3	1.1
2026-03-25 12:29:00	23.4	22.3	1.1
2026-03-25 12:30:00	23.4	22.3	1.1
2026-03-25 12:31:00	23.4	22.3	1.1
2026-03-25 12:32:00	23.4	22.3	1.1
2026-03-25 12:33:00	23.4	22.3	1.1
2026-03-25 12:34:00	23.4	22.3	1.1
2026-03-25 12:35:00	23.4	22.3	1.1
2026-03-25 12:36:00	23.4	22.3	1.1
2026-03-25 12:37:00	23.4	22.3	1.1
2026-03-25 12:38:00	23.4	22.3	1.1
2026-03-25 12:39:00	23.4	22.3	1.1
2026-03-25 12:40:00	23.3	22.3	1.0
2026-03-25 12:41:00	23.4	22.3	1.1
2026-03-25 12:42:00	23.4	22.3	1.1
2026-03-25 12:43:00	23.4	22.3	1.1
2026-03-25 12:44:00	23.4	22.3	1.1
2026-03-25 12:45:00	23.4	22.2	1.2
2026-03-25 12:46:00	23.4	22.2	1.2
2026-03-25 12:47:00	23.4	22.2	1.2
2026-03-25 12:48:00	23.4	22.2	1.2
2026-03-25 12:49:00	23.4	22.2	1.2
2026-03-25 12:50:00	23.3	22.3	1.0
2026-03-25 12:51:00	23.3	22.2	1.1
2026-03-25 12:52:00	23.3	22.3	1.0
2026-03-25 12:53:00	23.3	22.3	1.0
2026-03-25 12:54:00	23.3	22.3	1.0
2026-03-25 12:55:00	23.4	22.3	1.1
2026-03-25 12:56:00	23.3	22.3	1.0
2026-03-25 12:57:00	23.3	22.3	1.0

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 12:58:00	23.3	22.3	1.0
2026-03-25 12:59:00	23.3	22.3	1.0
2026-03-25 13:00:00	23.3	22.3	1.0
2026-03-25 13:01:00	23.3	22.2	1.1
2026-03-25 13:02:00	23.3	22.2	1.1
2026-03-25 13:03:00	23.3	22.3	1.0
2026-03-25 13:04:00	23.4	22.2	1.2
2026-03-25 13:05:00	23.4	22.2	1.2
2026-03-25 13:06:00	23.4	22.2	1.2
2026-03-25 13:07:00	23.4	22.3	1.1
2026-03-25 13:08:00	23.3	22.3	1.0
2026-03-25 13:09:00	23.3	22.2	1.1
2026-03-25 13:10:00	23.3	22.2	1.1
2026-03-25 13:11:00	23.3	22.2	1.1
2026-03-25 13:12:00	23.3	22.2	1.1
2026-03-25 13:13:00	23.3	22.2	1.1
2026-03-25 13:14:00	23.3	22.3	1.0
2026-03-25 13:15:00	23.3	22.2	1.1
2026-03-25 13:16:00	23.3	22.2	1.1
2026-03-25 13:17:00	23.3	22.2	1.1
2026-03-25 13:18:00	23.3	22.2	1.1
2026-03-25 13:19:00	23.3	22.2	1.1
2026-03-25 13:20:00	23.3	22.2	1.1
2026-03-25 13:21:00	23.3	22.2	1.1
2026-03-25 13:22:00	23.3	22.2	1.1
2026-03-25 13:23:00	23.3	22.2	1.1
2026-03-25 13:24:00	23.3	22.2	1.1
2026-03-25 13:25:00	23.3	22.2	1.1
2026-03-25 13:26:00	23.3	22.2	1.1
2026-03-25 13:27:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 13:28:00	23.3	22.2	1.1
2026-03-25 13:29:00	23.3	22.2	1.1
2026-03-25 13:30:00	23.3	22.2	1.1
2026-03-25 13:31:00	23.3	22.2	1.1
2026-03-25 13:32:00	23.3	22.2	1.1
2026-03-25 13:33:00	23.3	22.2	1.1
2026-03-25 13:34:00	23.3	22.2	1.1
2026-03-25 13:35:00	23.3	22.2	1.1
2026-03-25 13:36:00	23.3	22.2	1.1
2026-03-25 13:37:00	23.3	22.2	1.1
2026-03-25 13:38:00	23.3	22.2	1.1
2026-03-25 13:39:00	23.4	22.2	1.2
2026-03-25 13:40:00	23.3	22.2	1.1
2026-03-25 13:41:00	23.3	22.3	1.0
2026-03-25 13:42:00	23.3	22.2	1.1
2026-03-25 13:43:00	23.3	22.2	1.1
2026-03-25 13:44:00	23.3	22.3	1.0
2026-03-25 13:45:00	23.3	22.2	1.1
2026-03-25 13:46:00	23.3	22.2	1.1
2026-03-25 13:47:00	23.3	22.2	1.1
2026-03-25 13:48:00	23.3	22.2	1.1
2026-03-25 13:49:00	23.3	22.2	1.1
2026-03-25 13:50:00	23.3	22.2	1.1
2026-03-25 13:51:00	23.3	22.2	1.1
2026-03-25 13:52:00	23.3	22.2	1.1
2026-03-25 13:53:00	23.3	22.2	1.1
2026-03-25 13:54:00	23.3	22.2	1.1
2026-03-25 13:55:00	23.4	22.2	1.2
2026-03-25 13:56:00	23.3	22.2	1.1
2026-03-25 13:57:00	23.3	22.2	1.1

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 13:58:00	23.3	22.2	1.1
2026-03-25 13:59:00	23.4	22.2	1.2
2026-03-25 14:00:00	23.3	22.2	1.1
2026-03-25 14:01:00	23.3	22.2	1.1
2026-03-25 14:02:00	23.3	22.2	1.1
2026-03-25 14:03:00	23.3	22.2	1.1
2026-03-25 14:04:00	23.3	22.2	1.1
2026-03-25 14:05:00	23.3	22.2	1.1
2026-03-25 14:06:00	23.3	22.2	1.1
2026-03-25 14:07:00	23.3	22.2	1.1
2026-03-25 14:08:00	23.3	22.2	1.1
2026-03-25 14:09:00	23.3	22.2	1.1
2026-03-25 14:10:00	23.3	22.2	1.1
2026-03-25 14:11:00	23.3	22.2	1.1
2026-03-25 14:12:00	23.3	22.2	1.1
2026-03-25 14:13:00	23.3	22.2	1.1
2026-03-25 14:14:00	23.3	22.2	1.1
2026-03-25 14:15:00	23.3	22.2	1.1
2026-03-25 14:16:00	23.3	22.2	1.1
2026-03-25 14:17:00	23.3	22.3	1.0
2026-03-25 14:18:00	23.3	22.2	1.1
2026-03-25 14:19:00	23.3	22.2	1.1
2026-03-25 14:20:00	23.3	22.2	1.1
2026-03-25 14:21:00	23.4	22.2	1.2
2026-03-25 14:22:00	23.4	22.2	1.2
2026-03-25 14:23:00	23.4	22.2	1.2
2026-03-25 14:24:00	23.4	22.2	1.2
2026-03-25 14:25:00	23.4	22.2	1.2
2026-03-25 14:26:00	23.4	22.2	1.2
2026-03-25 14:27:00	23.4	22.2	1.2

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时间	所有点最大值 (timax)	所有点最小值 (timin)	timax-timin
2026-03-25 14:28:00	23.4	22.2	1.2
2026-03-25 14:29:00	23.4	22.2	1.2
2026-03-25 14:30:00	23.4	22.2	1.2
2026-03-25 14:31:00	23.4	22.2	1.2
2026-03-25 14:32:00	23.4	22.2	1.2
2026-03-25 14:33:00	23.4	22.2	1.2
2026-03-25 14:34:00	23.4	22.2	1.2
2026-03-25 14:35:00	23.4	22.2	1.2
2026-03-25 14:36:00	23.4	22.2	1.2
2026-03-25 14:37:00	23.4	22.2	1.2
2026-03-25 14:38:00	23.4	22.2	1.2
2026-03-25 14:39:00	23.4	22.2	1.2
2026-03-25 14:40:00	23.4	22.2	1.2
2026-03-25 14:41:00	23.4	22.2	1.2
2026-03-25 14:42:00	23.4	22.2	1.2
2026-03-25 14:43:00	23.4	22.2	1.2
2026-03-25 14:44:00	23.4	22.2	1.2
2026-03-25 14:45:00	23.4	22.2	1.2
2026-03-25 14:46:00	23.3	22.2	1.1
2026-03-25 14:47:00	23.4	22.2	1.2
2026-03-25 14:48:00	23.4	22.2	1.2
2026-03-25 14:49:00	23.3	22.2	1.1
2026-03-25 14:50:00	23.3	22.2	1.1
2026-03-25 14:51:00	23.3	22.2	1.1
2026-03-25 14:52:00	23.3	22.2	1.1
2026-03-25 14:53:00	23.3	22.2	1.1
2026-03-25 14:54:00	23.3	22.2	1.1
2026-03-25 14:55:00	23.3	22.2	1.1
2026-03-25 14:56:00	23.3	22.2	1.1
2026-03-25 14:57:00	23.3	22.2	1.1

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时间	所有点最大值 (t <sub>imax</sub> )	所有点最小值 (t <sub>imin</sub> )	t <sub>imax</sub> -t <sub>imin</sub>
2026-03-25 14:58:00	23.3	22.2	1.1
2026-03-25 14:59:00	23.4	22.2	1.2
2026-03-25 15:00:00	23.4	22.2	1.2