

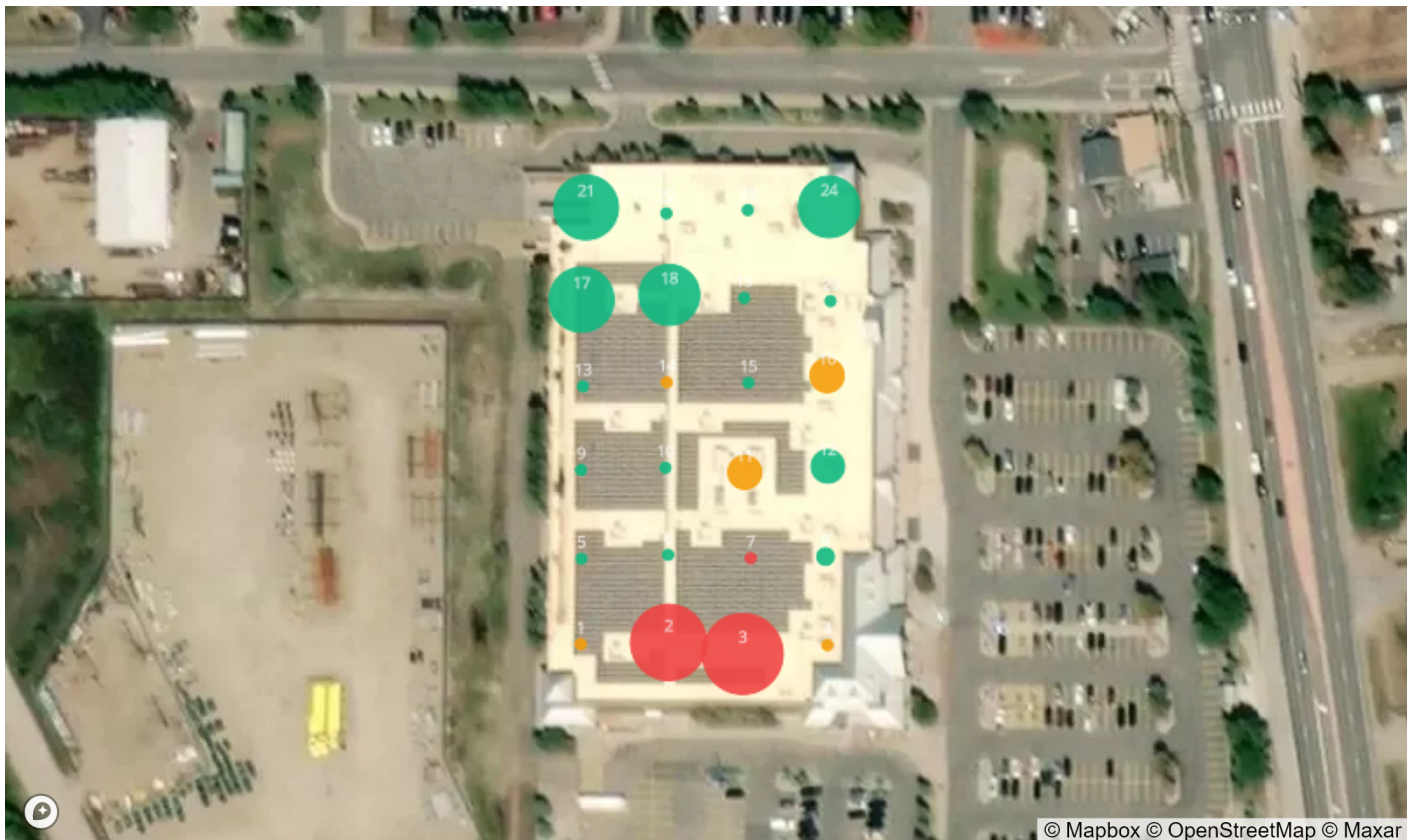


SUMMIT DISTRIBUTION CENTER WEEKLY DIGEST

Silverthorne, CO • Mar 04 – Mar 12, 2026

Executive Summary

<p>Cycles / Active RTU</p> <p>66.6</p> <p>22 of 24 active</p> <p>▼ 6.7%</p>	<p>Temp Compliance</p> <p>93.1%</p> <p>■ flat</p>	<p>Cooling Compliance</p> <p>88.1%</p> <p>■ flat</p>
<p>Units w/ Alerts</p> <p>3</p> <p>RTU_2, RTU_3, RTU_7</p>	<p>Units w/ Alarms</p> <p>0</p> <p>None</p>	<p>Devices Offline</p> <p>0</p>

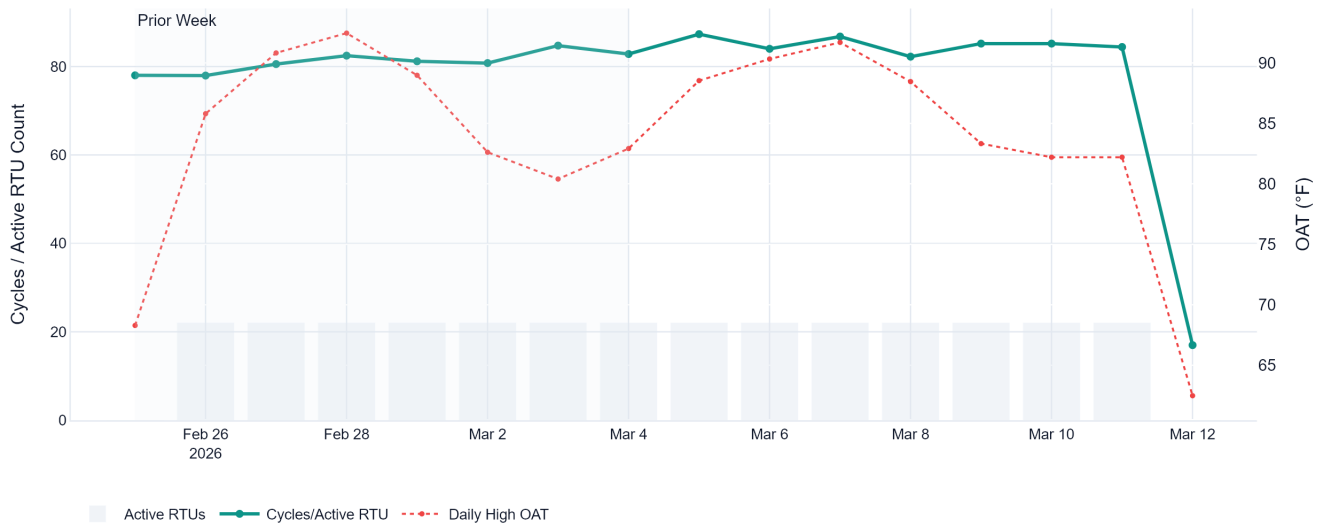


Cycles/Active RTU: Avg daily compressor starts per RTU with fan runtime ≥ 2 hrs/day. **Temp Compliance:** % of hours where space temp stayed within setpoint bounds. **Cooling Compliance:** % of compressor-on hours where SAT was in expected range. **Alerts:** RTUs exceeding performance thresholds. **Alarms:** Active BAS alarms (filter/DAT). **Offline:** BACnet devices not communicating.



Fleet Activity Trend

Fleet Activity — 14-Day Trend



Reading This Chart: Cycles/Active RTU normalizes compressor starts by the number of units running that day, removing fleet-size noise. This metric is primarily driven by **outdoor air temperature (OAT)** — hotter days trigger more cooling calls per unit. When cycles/RTU rises alongside OAT, the system is responding normally to load. A spike in cycles/RTU with **flat or falling OAT** suggests an operational change: setpoint adjustments, schedule overrides, or equipment issues (e.g., short-cycling compressors). The **Active RTU count** line shows how many units ran ≥ 2 hrs/day; a sudden drop here warrants investigation into offline or idle equipment.

22 active (prior) → 22 active (current).

Top RTUs Driving Cycle Changes

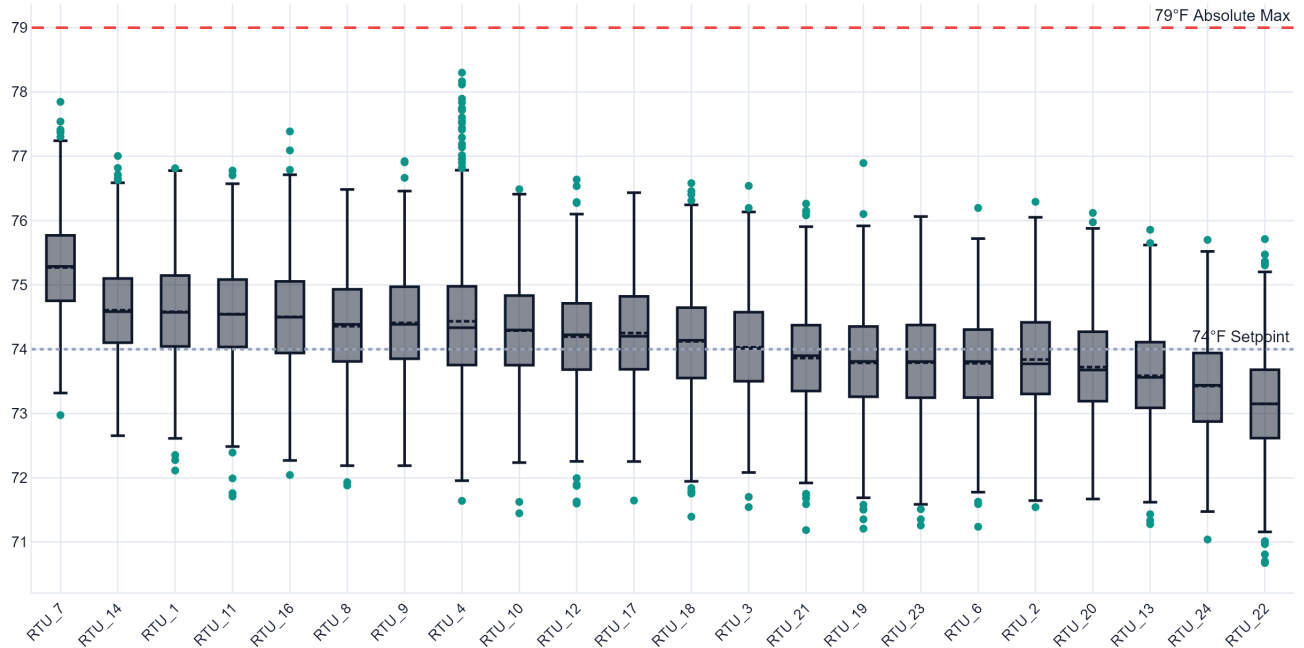
RTU	Cycles/Day (This Wk)	Cycles/Day (Prior Wk)	Δ Cycles	Δ %
RTU_3	121	92	+29	31%
RTU_2	113	85	+28	33%
RTU_11	76	60	+16	28%
RTU_18	86	87	-0	-0%
RTU_7	60	62	-2	-3%



Space Temperature Compliance

Compliance Rule: An RTU is compliant for a given hour when $\text{spaceTemp} \leq \text{activeCoolingSetpoint} + 1.5^\circ\text{F}$ AND $\text{spaceTemp} < 79^\circ\text{F}$ absolute AND $\text{spaceTemp} \geq \text{activeCoolingSetpoint} - 10^\circ\text{F}$ (overcooling floor). All 24/7 hours are evaluated regardless of fan or compressor status. Compliance % = compliant samples / total samples for the week.

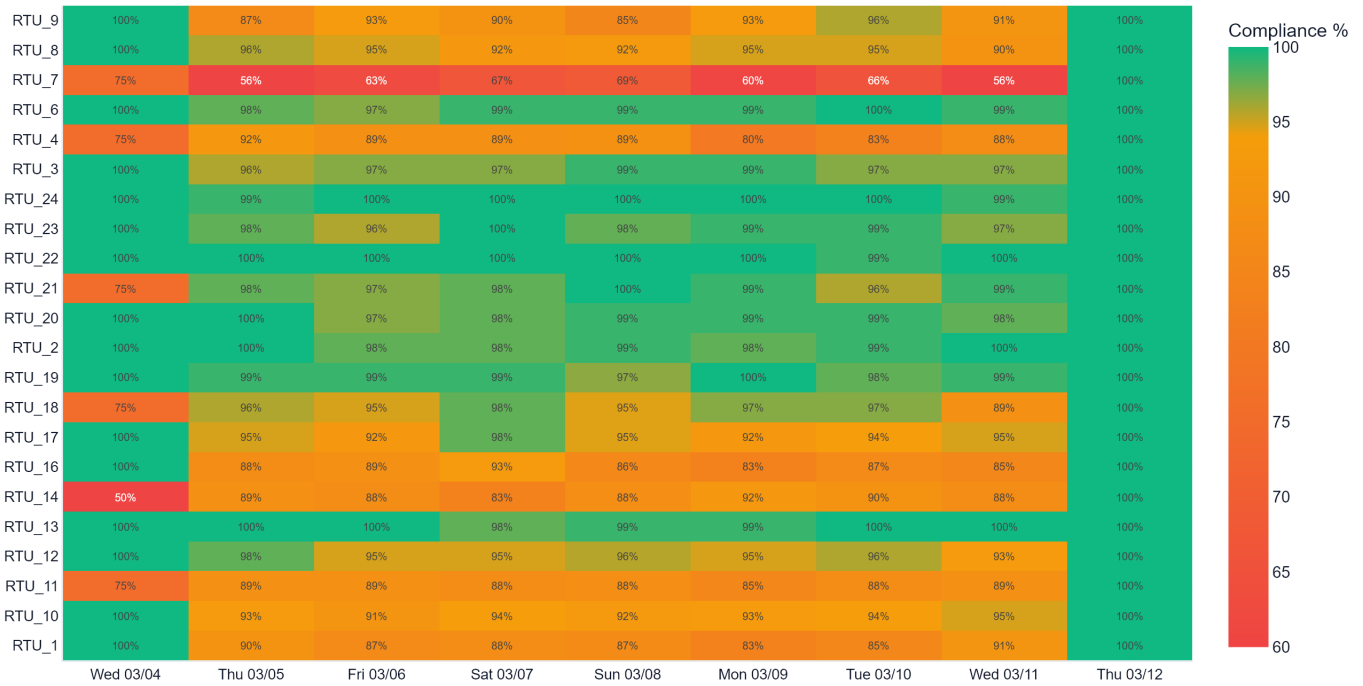
Zone Temperature Distribution — Current Week



Space Temp Compliance Breakdown

Each cell shows the % of hours that unit maintained space temperature within setpoint + 1.5°F, below 79°F absolute, and above setpoint – 10°F. Green = 100% compliant, red = significant time outside limits.

Space Temperature Compliance — Unit × Day



Bottom 5 - Worst Offenders

Unit	Compliance	Avg Dev (above SP)	% Time Above SP	Max Dev	Worst Day
RTU_7	62.4%	1.3°F	93.9%	3.8°F	2026-03-11
RTU_4	86.9%	0.6°F	64.9%	4.3°F	2026-03-04
RTU_1	87.2%	0.7°F	77.1%	2.8°F	2026-03-09
RTU_16	87.2%	0.6°F	73.4%	3.4°F	2026-03-09
RTU_11	87.7%	0.7°F	76.1%	2.8°F	2026-03-04



Cooling Compliance

Cooling Compliance Rule: This metric is evaluated **only when compressors are actively running**. When running, supplyAirTemp (SAT) should fall within an expected range: SpaceTemp - 8°F to SpaceTemp - 30°F. Units consistently failing to pull down SAT may have refrigerant issues, dirty coils, or failed compressors.

SAT Cooling Compliance - All RTUs



Bottom 5 — Cooling Compliance

Unit	Avg SAT	Avg Space Temp	Avg SAT Drop	Samples	Pass Count	Cooling %
RTU_16	71.0	74.5	3.6	440	0	0.0%
RTU_9	70.9	74.4	3.5	470	0	0.0%
RTU_23	62.8	73.8	11.0	454	363	80.0%
RTU_22	62.1	73.1	11.0	451	361	80.0%
RTU_7	64.3	75.3	10.9	466	374	80.3%



Compressor Cycle Rankings

Horizontal bars show average daily compressor start/stop cycles this week. Prior week averages shown for week-over-week comparison. High cycle counts (>100/day) indicate short-cycling which accelerates wear.

Top 15 Highest Cycling



Bottom 5 Lowest Cycling

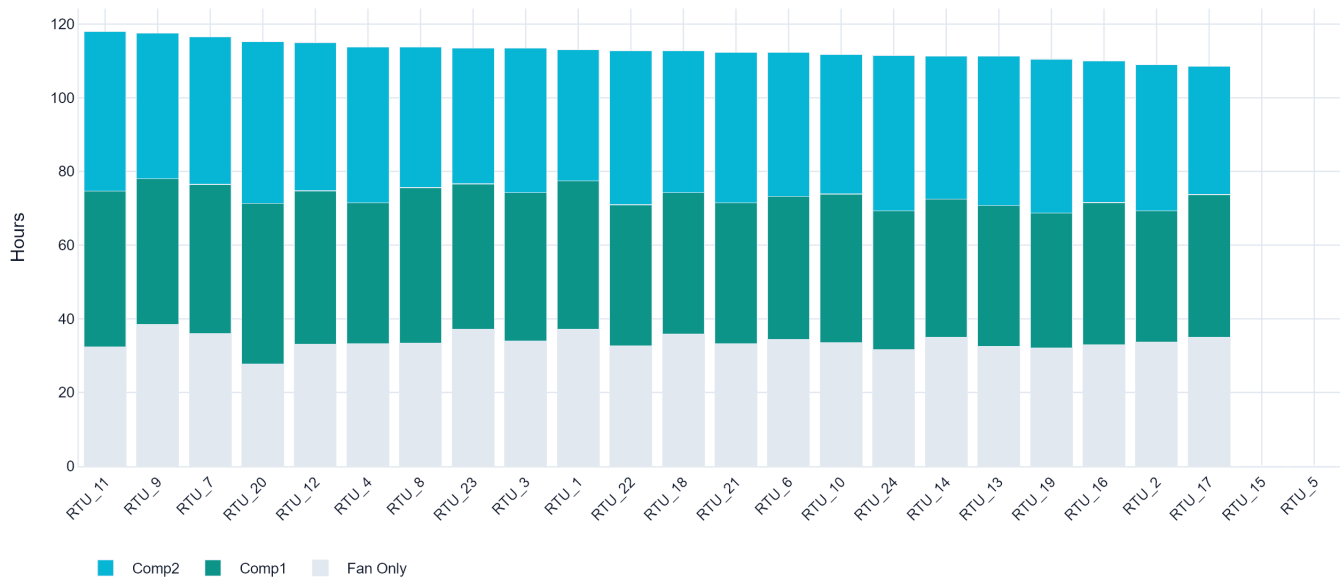


■ Current Week ■ Prior Week



Runtime Breakdown

Weekly Runtime Breakdown by RTU



Alerts & Action Items

Priority	Unit	Rule	Details
MEDIUM	RTU_2	High cycling	113 avg cycles/day (threshold: 100)
MEDIUM	RTU_3	High cycling	121 avg cycles/day (threshold: 100)
MEDIUM	RTU_7	Low temp compliance	62.4% (threshold: 85%)

