



Radiometric;  $\Delta T_{norm}(20^{\circ}F)$ ; RTK links

## Engineering Appendix (Sample) — Thermal Shell Integrity

Version 2025-10-31

trailer_id	dt_env_F	dT_norm_C	class	anomaly_type	location_desc	emissivity	Trefl_C	standoff_m	image_ir_id	image_rgb_id	RTK_link	action	notes
RH-53001	25	22.4	C2	seal_leak	upper-right door	0.95	22	8.5	IR_53001_01	RGB_53001_01	rtk://34.123456,-101.987654	Replace seal	Plume visible exterior; interior confirm
RH-53782	24	12.1	C1	insulation_void	mid-panel curb side	0.95	21.5	9.0	IR_53782_03	RGB_53782_03	rtk://34.123872,-101.986215	Schedule panel evaluation	Likely void or moisture path
RH-55103	23		C2	roof_seam_line	front third seam; persistent line	0.95	21	12.0	IR_55103_05	RGB_55103_05	rtk://34.124112,-101.985004	Sealant inspection / patch	Thermal line persists after dwell

Note: Unit housing/coil thermal patterns imaged for context only — no mechanical diagnosis supplied.