MT-DETR vs. HRFuser: C+R with Tightly-Coupled Fusion: Average Precision (AP) by weather conditions 60.2 → MT_DETR HRFuser 58.9 Trend (MT_DETR) Trend (HRFuser) 56.0 55.2 55 -53.9 Average Precision (AP) 51.0 50.3 48.5 45 · 45.5 43.0 42.6 40 40.5

Weather Conditions

Day

Night

Dense fog

Day

Snow/rain

Night

Night

Day

Night

Clear weather

Day

Light fog