MT-DETR vs. HRFuser: C+L+R with Tightly-Coupled Fusion: Average Precision (AP) by weather conditions → MT\_DETR 60.0 HRFuser 58.6 Trend (MT\_DETR) 57.9 57.6 Trend (HRFuser) 57.3 56.9 57.5 55.6 55.0 Average Precision (AP) 53.1 52.9 51.5 **⁄50.8** 48.5 47.5 46.8 45.0 44.5 42.5 Night Night Day Night Day Day Night Day Clear weather Light fog Snow/rain Dense fog

Weather Conditions