MT-DETR Tightly-Coupled Fusion across modalities: Average Precision (AP) by weather conditions **→** C 60.2 **─** C+R 60.5 60 · **←** C+L+R 60.2 Trend (C+L+R) 58.6 58.9 **5**8.6 -57.9 58 57.6 58.1 57.3 Average Precision (AP) 56.9 56.7 57.3 56.7 55.6 56.0 55.2 55.1 54.5 54 -53.9 53.8 53.4 52 -

Weather Conditions

Day

Night

Dense fog

Day

Snow/rain

Night

Night

Day

Night

Clear weather

Day

Light fog