

	Baseline	Aria			DriveTrack			PStudio			Average		
		3D-AJ $\uparrow$	APD $\uparrow$	OA $\uparrow$	3D-AJ $\uparrow$	APD $\uparrow$	OA $\uparrow$	3D-AJ $\uparrow$	APD $\uparrow$	OA $\uparrow$	3D-AJ $\uparrow$	APD $\uparrow$	OA $\uparrow$
	Static Baseline	4.9	10.2	55.4	3.9	6.5	80.8	5.9	11.5	75.8	4.9	9.4	70.7
	TAPIR + COLMAP	7.1	11.9	72.6	8.9	14.7	80.4	6.1	10.7	75.2	7.4	12.4	76.1
	CoTracker + COLMAP	8.0	12.3	78.6	11.7	19.1	81.7	8.1	13.5	77.2	9.3	15.0	79.1
	BootsTAPIR + COLMAP	9.1	14.5	78.6	11.8	18.6	83.8	6.9	11.6	81.8	9.3	14.9	81.4
	TAPIR + ZoeDepth	9.0	14.3	79.7	5.2	8.8	81.6	10.7	18.2	78.7	8.3	13.8	80.0
	CoTracker + ZoeDepth	10.0	15.9	87.8	5.0	9.1	82.6	11.2	19.4	80.0	8.7	14.8	83.4
	BootsTAPIR + ZoeDepth	9.9	16.3	86.5	5.4	9.2	85.3	11.3	19.0	82.7	8.8	14.8	84.8
	TAPIR + DepthAnythingV2	3.3	6.1	79.6	6.9	11.5	81.7	5.3	9.8	78.7	5.1	9.1	80.0
	CoTracker + DepthAnythingV2	3.6	6.6	87.8	7.1	12.6	82.6	5.6	10.5	80.0	5.4	9.9	83.5
	BootsTAPIR + DepthAnythingV2	3.7	6.9	86.5	7.4	12.4	85.4	5.6	10.3	82.7	5.5	9.9	84.9
	TAPIR-3D	2.5	4.8	86.0	3.2	5.9	83.3	3.6	7.0	78.9	3.1	5.9	82.8
	SpatialTracker	9.9	16.1	89.0	6.2	11.1	83.7	10.9	19.2	78.6	9.0	15.5	83.7
	BootsTAPIR + COLMAP*	7.3	11.5	76.3	9.3	15.1	83.5	6.2	10.6	78.7	7.6	12.4	79.5
	BootsTAPIR + ZoeDepth*	8.6	14.5	86.9	5.1	8.7	83.5	10.2	17.7	82.0	8.0	13.6	84.1
	BootsTAPIR + DepthAnythingV2*	3.8	7.2	87.0	6.1	10.2	83.5	5.6	10.4	82.0	5.2	9.3	84.2
	BootsTAPIR + GeoWizard*	5.9	10.3	87.0	2.8	5.2	83.5	0.7	1.5	82.0	3.1	5.7	84.2
	SpatialTracker*	9.2	15.1	89.9	5.8	10.2	82.0	9.8	17.7	78.4	8.3	14.3	83.4

Table 1: **Using median depth scaling.** We compare the performance of various baselines: 2D-TAP models combined with ZoeDepth, COLMAP, and Depth Anything (that are able to provide depth estimates). We also include SpatialTracker (a recent 3D TAP model), and a static point baseline. We report the proposed 3D-AJ as well as the APD and OA metrics. The top nine rows are evaluated on the `full_eval` split, while the bottom three rows (marked with *) indicate evaluation on the `minival` split.