

# Supplementary Material for: Pseudo-labels for Supervised Learning on Dynamic Vision Sensor Data, Applied to Object Detection under Ego-motion

## 1. Details of recordings

Details of the recordings used from the DDD17 can be found in table 1.

Recording	Scene	Condition	Type
rec1487337800	campus	day	test (1)
rec1487424147	mostly fwy	day	train
rec1487593224	hwy	day	train
rec1487597945	cty	evening	train
rec1487608147	fwy	evening	test (2)
rec1487609463	fwy	evening	train
rec1487778564	campus	day	val
rec1487779465	cty+hwy	day	train
rec1487781509	campus	evening	train
rec1487782014	cty+hwy	evening	test (3)
rec1487839456	cty	day, sunny	train
rec1487842276	cty	day, sunny	train
rec1487844247	cty	day, sunny	train
rec1487846842	towns+hwys	day, sunny	val
rec1487849151	town	day, sunny	train
rec1487849663	towns+hwys	day, sunny	train
rec1487856408	town	day, sunny	test (4)
rec1487857941	town	day, sunny	train
rec1487858093	cty	day, sunny	train
rec1487860613	cty	day, sunny	train
rec1487864316	cty+fwy	evening	val

Table 1. Details of the recordings used from DDD17 in our experiments. Keys: cty=city, fwy=freeway, hwy=highway. Some scenes from the DDD17 were not used for reasons such as APS frames being too dark (especially at night) or too bright, low DVS sensitivity, errors extracting the data and scenes being too short.

## 2. Videos

Links to videos can be found in table 2, and the reader is strongly encouraged to randomly sample clips from all videos to gauge the performance of the DVS-only detector.

Type	Link
test (1)	<a href="https://youtu.be/TKHThPxFAd4">https://youtu.be/TKHThPxFAd4</a>
test (2)	<a href="https://youtu.be/6QHP7xhcYx0">https://youtu.be/6QHP7xhcYx0</a>
test (3)	<a href="https://youtu.be/xpUeUa8lZzo">https://youtu.be/xpUeUa8lZzo</a>
test (4)	<a href="https://youtu.be/M_a0DJ5LF5Y">https://youtu.be/M_a0DJ5LF5Y</a>
night	<a href="https://youtu.be/ezfU1KvDeCA">https://youtu.be/ezfU1KvDeCA</a>

Table 2. Links to videos comparing the DVS-only detector and the RRC (fine-tuned). The threshold for displaying detections is 0.5.