

Table 1: Detectability of different approaches used to fabricate extreme weather deviations (c.f. Table 2 in the paper).

Method	Wind Speed	Temperature	Precipitation
AdvDM	100.0 %	97.34 %	100.0 %
DP-Attacker	82.78 %	43.06 %	79.41 %
Ours	3.28 %	4.69 %	0.11 %

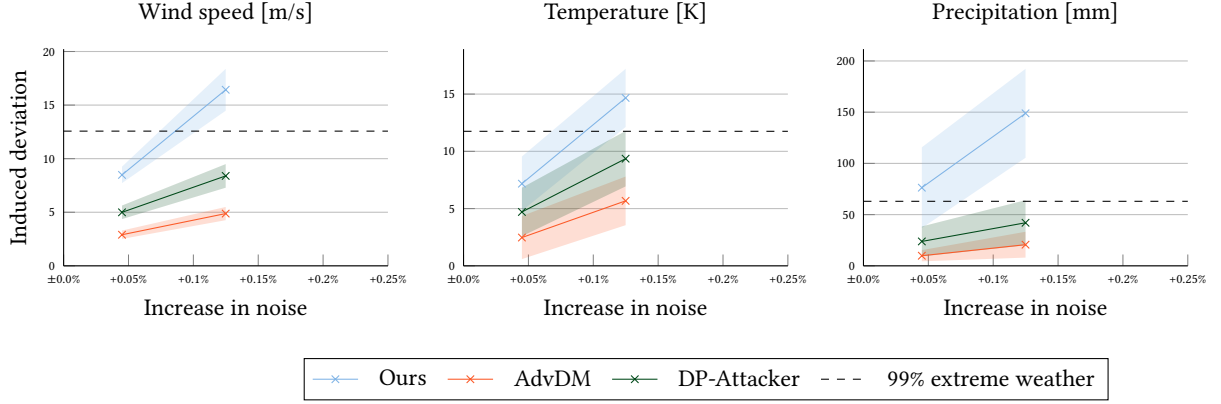


Figure 1: Resulting mean deviation induced by adversarial observations of different sizes (c.f. Figure 2 in the paper).

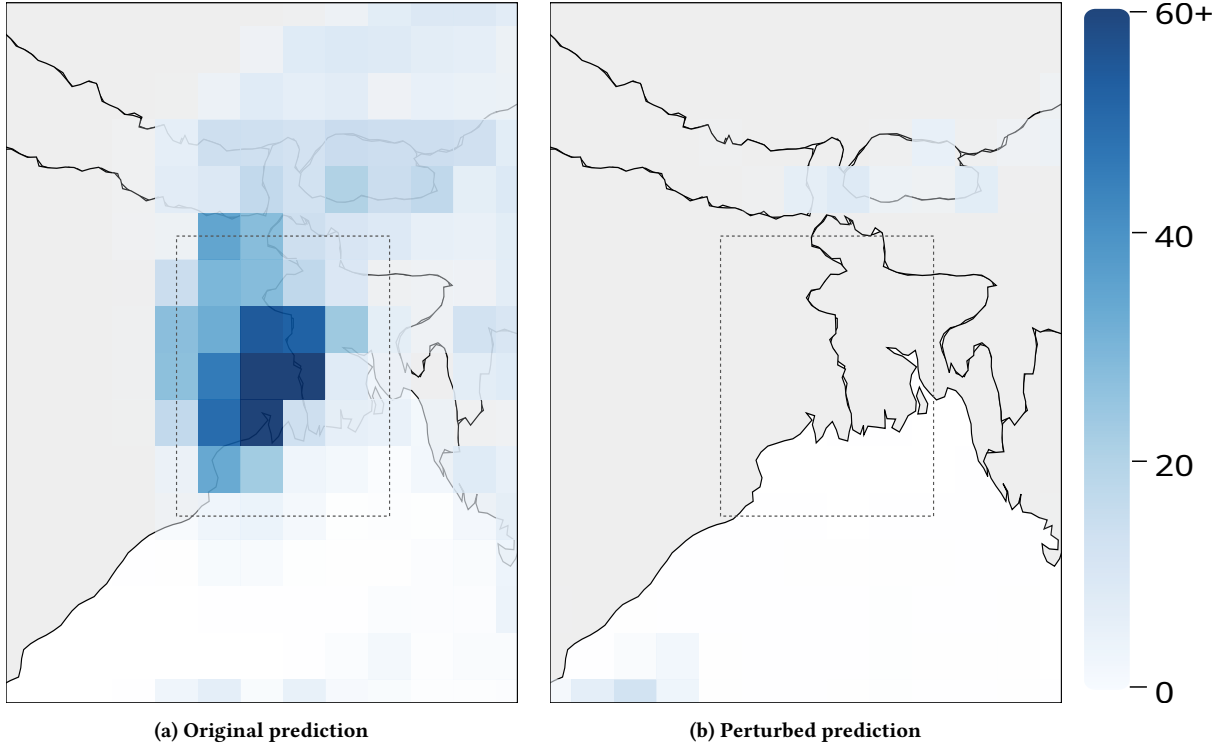
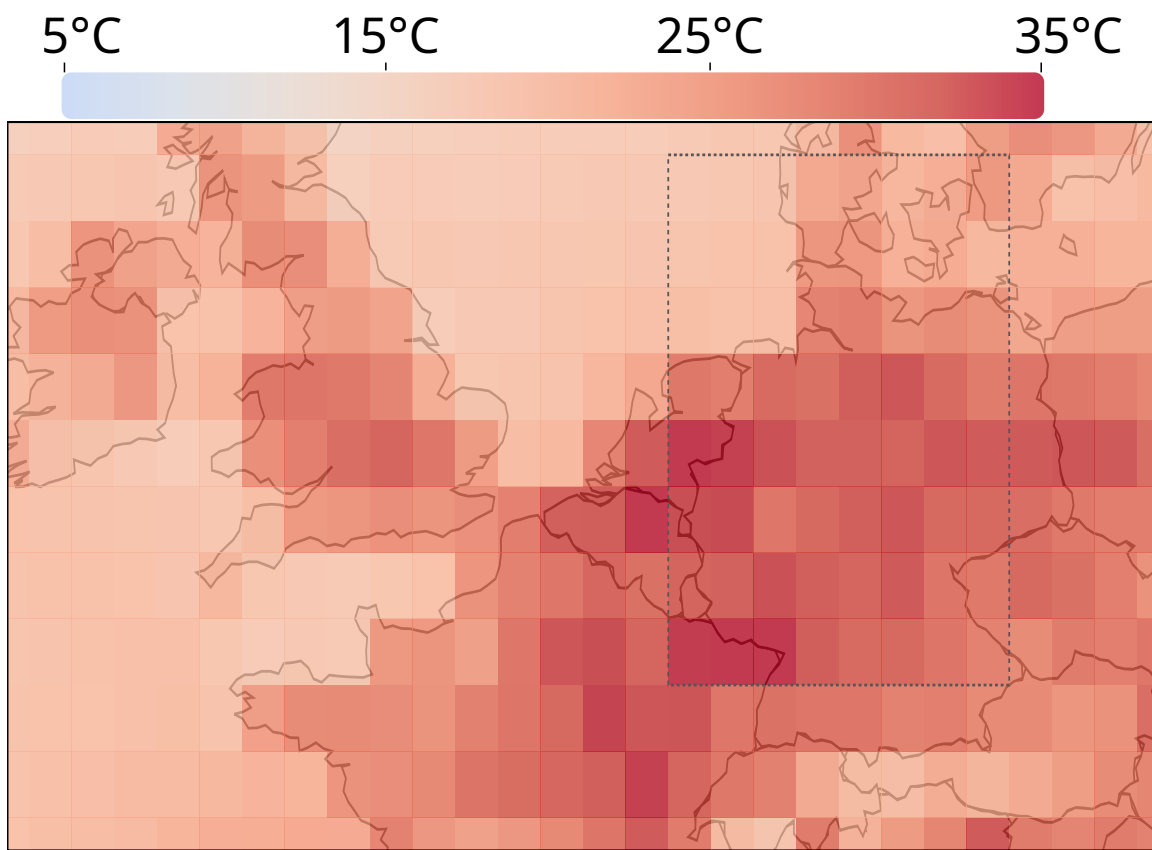


Figure 2: Predicted precipitation at the peak of Cyclone Amphan (c.f. Figure 4 in the paper).



(a) Original prediction

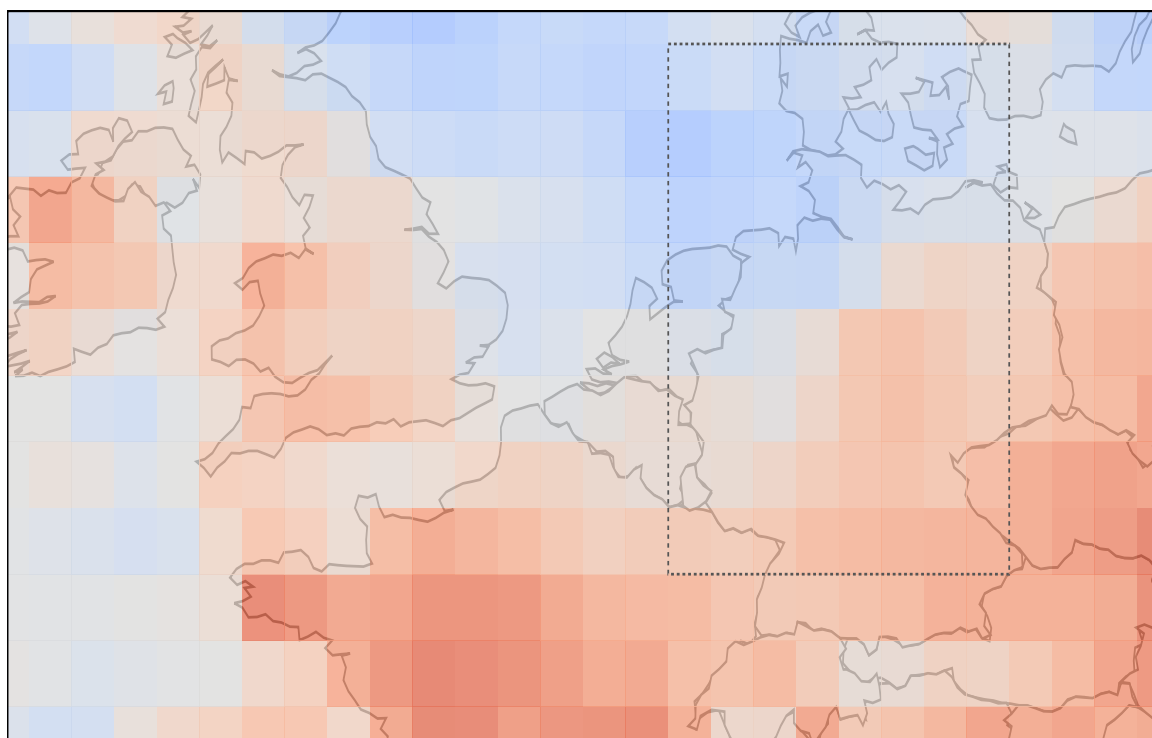


Figure 3: Predicted temperature at the peak of the European Heat Wave 2006 (c.f. Figure 5 in the paper).

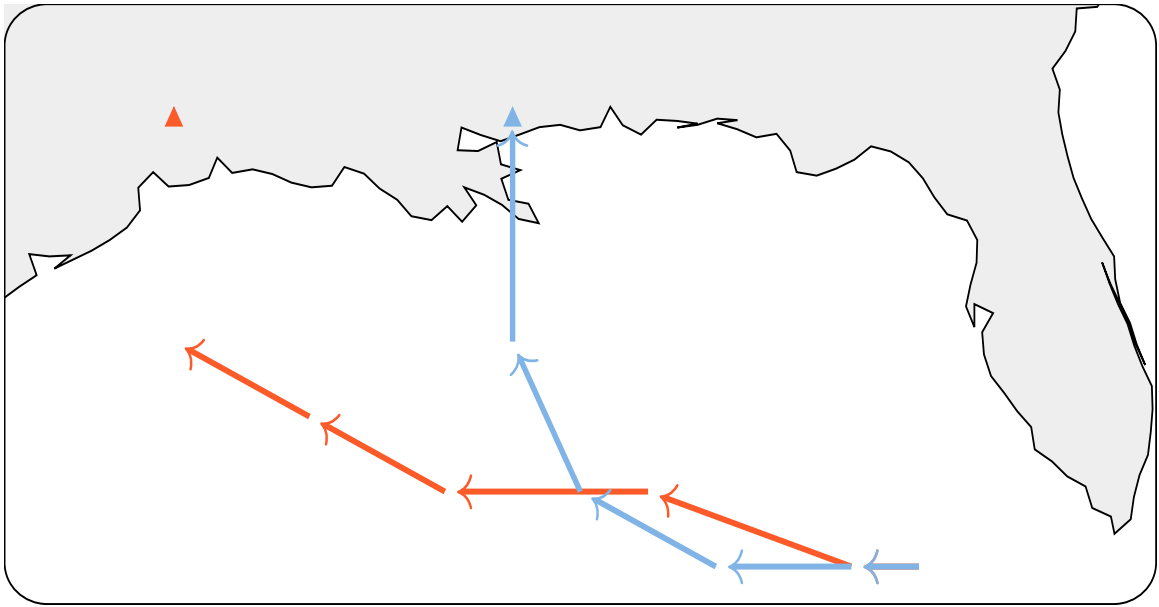


Figure 4: Predicted storm path of Hurricane Katrina (c.f. Figure 6 in the paper).