Graying the black box: Understanding DQNs - Supplementary material.
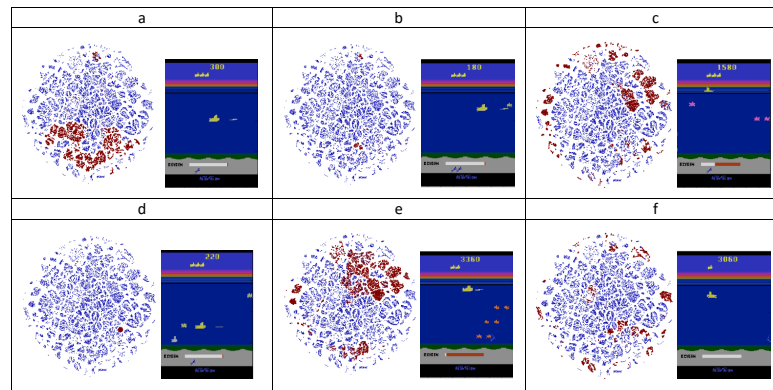
Figure 1. Seaquest states partitioned on the t-SNE map by different measure. a: Number of taken divers = 1. b: Number of taken divers = 2. c: Agent is next to sea level (filter by vertical position < 60). d: Agent is never visiting the lower 1/3 part of the frame. We mark the state of maximal diving depth (filter by vertical position > 128). e: Oxygen level < 0.05. f: Oxygen level > 0.98.
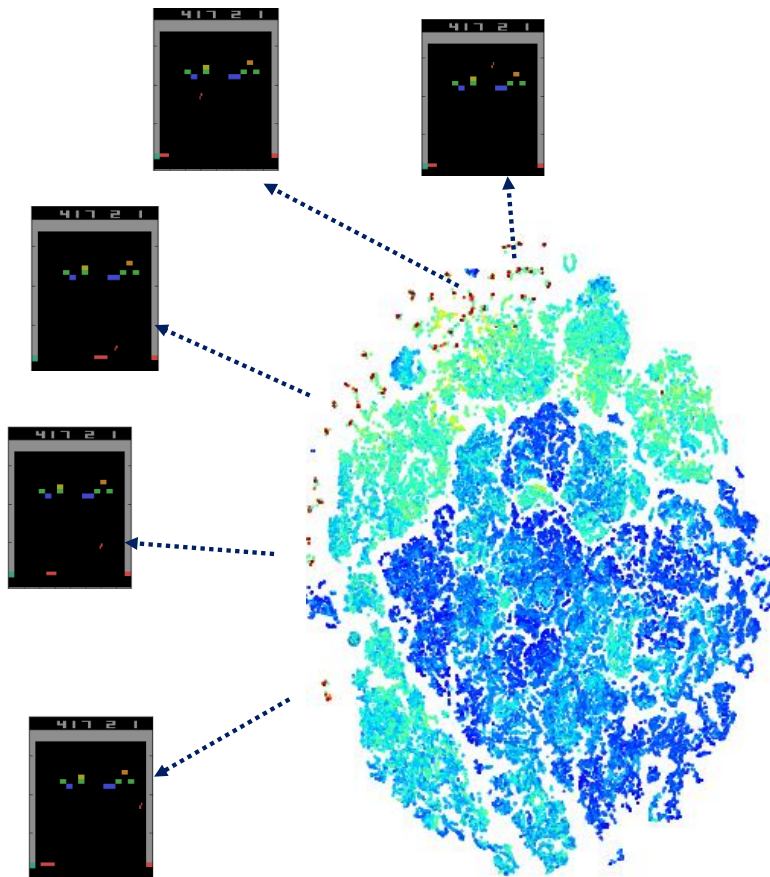
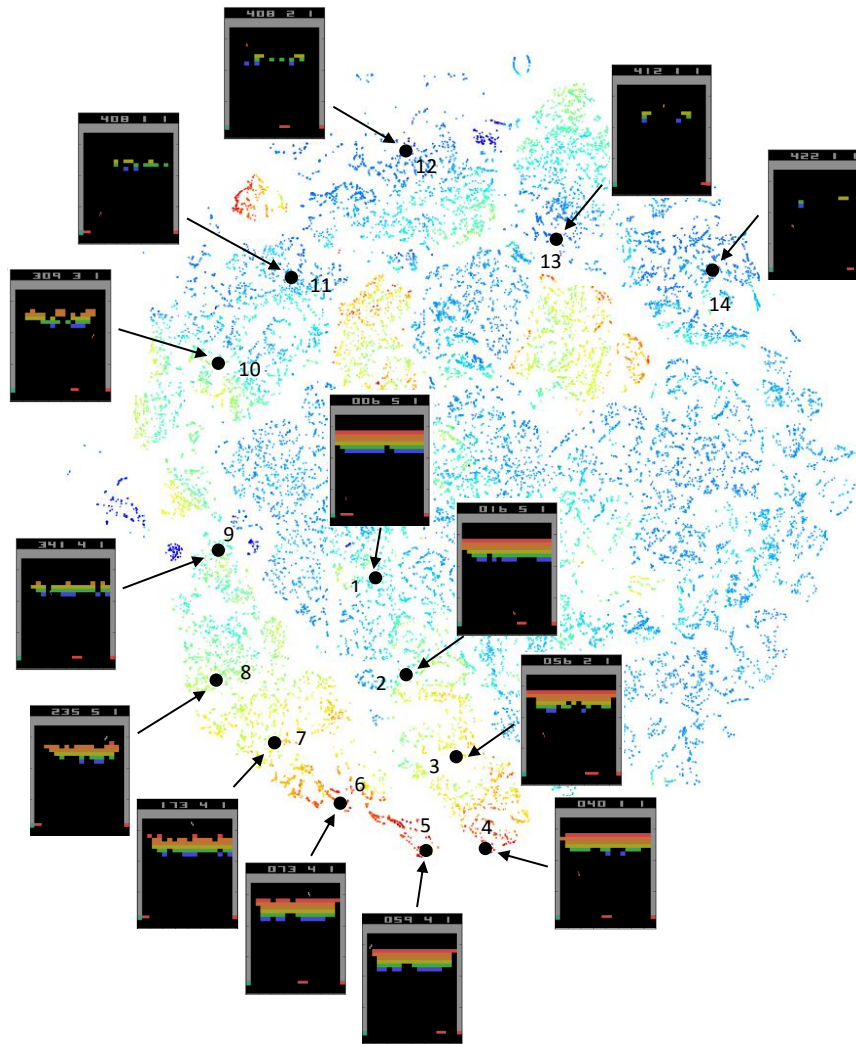*Figure 2.* t-SNE for Breakout colored by time. Examples of repeated states by the agent are presented.

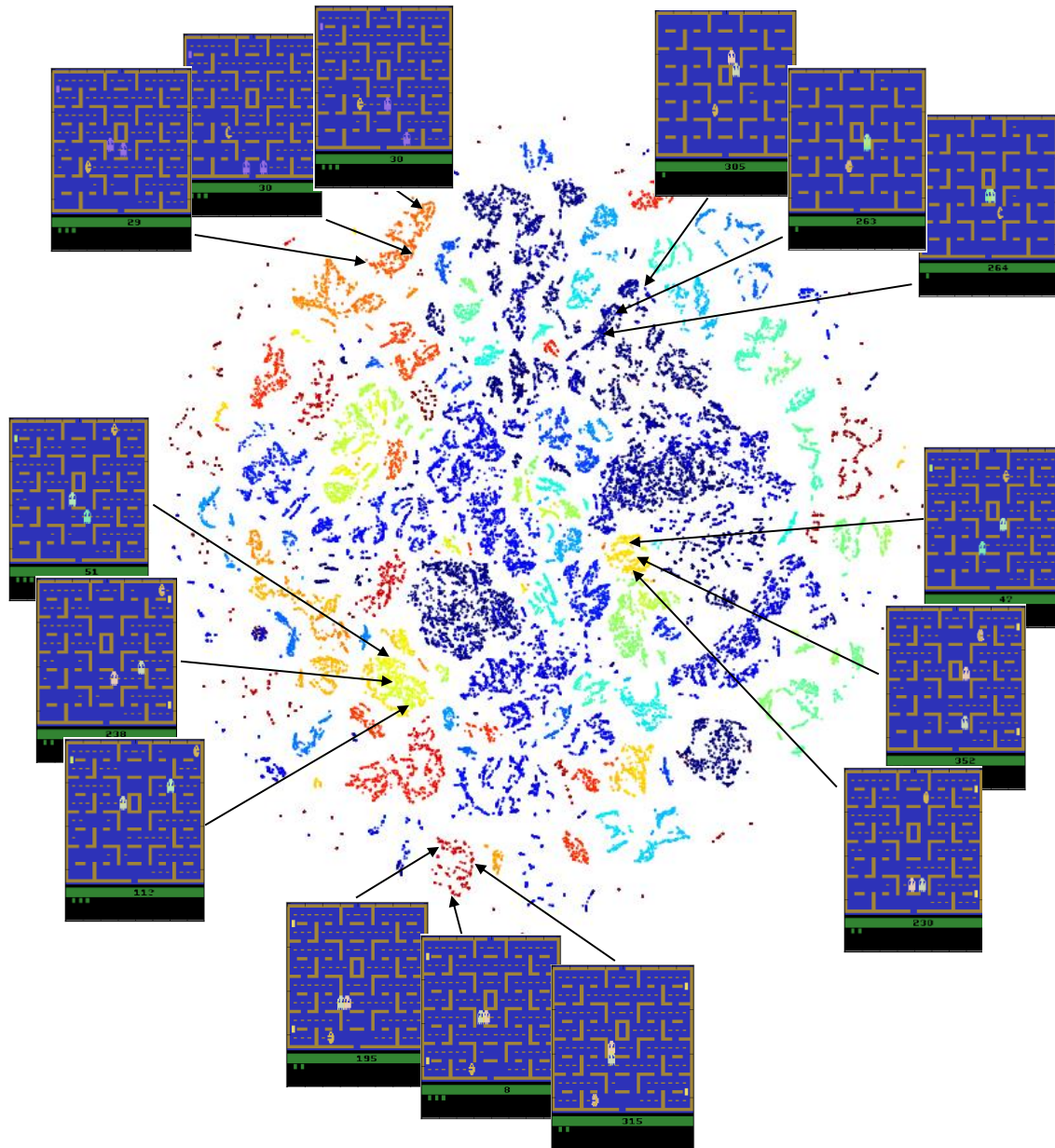*Figure 3.* t-SNE for Breakout colored by time. Examples of states alon the option path are presented.

Figure 4. Pacman t-SNE with example states.