

Use visual analytics to represent and evaluate how the level of the risk to the public evolves over the course of the evening. Consider the potential consequences of the situation and the number of people who could be affected. Please limit your answer to 10 images and 1000 words.

The following are the major events present in the data.

1. Fire at the Dancing Dolphin apartments — A 6 story apartment building on the east side of town catches on fire. The fire is called to emergency services at 18:40. The fire continues through the entire duration of the data streams, culminating with an explosion at 21:30 after it seemed like the fire was under control.

This fire represents an ongoing concern throughout the evening of January 23, as evidenced by the increasing evacuations of nearby buildings. Ultimately, the explosion at the end of the dataset represents a significant risk.

2. POK rally in the park — The Protectors of Kronos are holding a rally in a park on the west side of town near the government buildings. It begins at 17:00. Various speakers and songs are played until 19:05. Viktor-E continues to play music in the park as a free concert after the formal rally is complete.

While there is much reporting on activities from the rally, it is a peaceful gathering. The level of risk remains constant and fairly low-level throughout the evening.

3. Hit and Run — A black van clips a car on Souliou. It then hits a cyclist on the 500 block of Schaber between Eira and Edessis. The cyclist is okay — helped out by people from Brew've Been Served and a witness.

A witness to the car that was hit is located at 19:47. The witness knows where the black van came from.

The van continues away from the accident — a partial plate is known “##L829”

This event continues into the stand-off — so may be reported as 1 contiguous event.

The hit-and-run elevates the localized risk level.

4. Stand-off — The van runs a red light at 19:35. A police car sees this and combined with the partial license plate pursues the van.

The van enters a parking lot next to GelatoGalore — and start a confrontation that becomes a standoff at 19:40.

An occupant of the van claims to have hostages. The SWAT team arrives and eventually a different occupant of the van comes out and gives up — ending the standoff peacefully at 21:13.

The standoff represents a significant danger.

5. Safe house found — The location of the black van is found and searched; finding much interesting evidence that reveals it was a kidnapper's safe house at 21:22 — In the call center data.

This very subtle signal may not be detected by the participants. While it doesn't significantly increase the current threat to the public, it is likely very interesting to law enforcement.