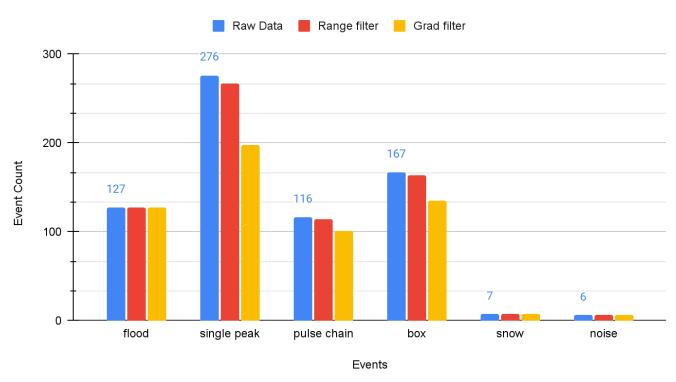


Event Type	Raw Data	Range Filter	Gradient Filter
Flood	127	127	127
Single Peak	276	267	198
Pulse Chain	116	114	101
Box	167	163	135
Snow	7	7	7
Noise	6	6	6
Total	699	684	574
Total Non-Flood	572	557	447





Range Filter Performance:

- % Non-Flood Events filtered: 2.62%
- % Short Pulses filtered: 3.26%

- % Pulse Chains filtered: 1.72%

% Boxes filtered: 2.40%% Snow filtered: 0.00%% Noise filtered: 0.00%

Gradient Filter Performance:

- % Non-Flood Events filtered: 21.85%

% Short Pulses filtered: 28.26%% Pulse Chains filtered: 12.93%

% Boxes filtered: 13.17%% Snow filtered: 0.00%% Noise filtered: 0.00%

Observations:

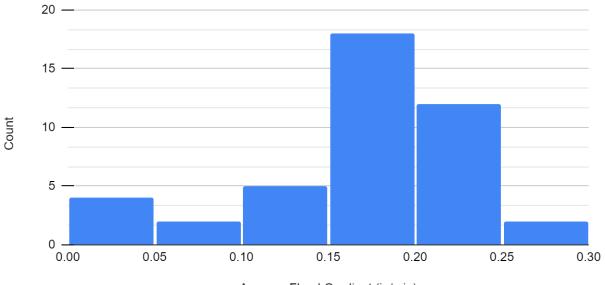
- Filters work better on short pulses
- No floods lost
- Some sensors get filtered better than others:
 - No events filtered at Russell St (easily_dear_mouse), Davenport Ct (mainly_fond_boar), Beach 84 St (daily_happy_satyr)
- In some cases, boxes and pulses below 1 inch also don't get filtered. This isn't included in the stats above since we ignored anything below 1 inch while labeling

To Do/ Ongoing:

- Calculate gradients of floods and other unfiltered events to compare with filtered events

Average Flood Gradient

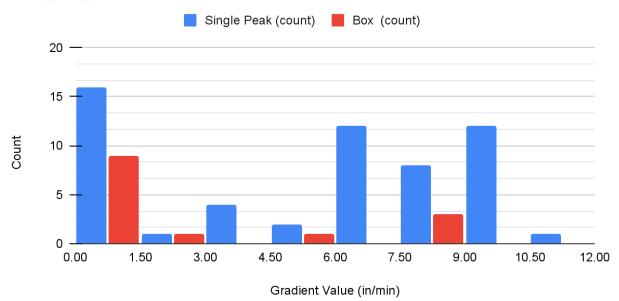
easily_dear_mouse (Russell St Pipe)



Average Flood Gradient (in/min)

Noise Gradients

easily_dear_mouse (Russell St Pipe)



Noise Gradient

daily_gentle_beetle (BK - 4th Av/Garfield PI)

