

Calculating inter band time delay : Overlap

8% band overlap

V_{sat}

Position

Blue

Red

Green 1

Green 2

t_0

t_1

t_2

t_3

t_4

295.3ms → 295.3ms → 295.3ms → 295.3ms →

time

t_0, t_2, t_4	1 : 1	8 %
t_0, t_1, t_4	1 : 3	16 %
t_0, t_1, t_3	1 : 2	76 %

$$\Delta t_{\text{blue-red}} = 0.92(1 \times 295.3) + 0.08(2 \times 295.3) \approx 319 \text{ ms}$$
$$\Delta t_{\text{red-green}} = 0.76(2 \times 295.3) + 0.16(3 \times 295.61) + 0.08(2 \times 295.3) \approx 638 \text{ ms}$$

Ground Truth Analysis

