Num of Trains=10 (5 up, 5 down)

 $End\_sim\_time = 30000,$ 

getSpottingsNowTime = 21000,

peakThres=5 (500 meters both sides)

PosConf calculated for each point at distance of= 100 meters

Starting time gap between trains=30 min (1800 sec)

 $Halt\_time\_of\_Train = 20 sec$ 

 $Speed\_of\_The\_Train = 14 \text{ m/sec } (50.4 \text{ km/h})$ 

## 0.1 No. of passengers=50

## 0.1.1 western up route

Table 1: Ground truth value	
Positions	NearestEstDis
$\mathbf{m}$	m
1356.00	144.00
22642.00	158.00
64544.00	156.00
88906.00	194.00
112 980.00	23880.00

Table 2: Estimated Value	
Positions	NearestTruthDis
$\mathbf{m}$	m
1500.00	144.00
22800.00	158.00
64700.00	156.00
89100.00	194.00
"AvgPosConf	0.50"
${\rm `MaxPosConf}$	0.93"

## 0.1.2 western down route

 $\begin{array}{c|c} \text{Table 3: Ground truth value} \\ Positions & NearestEstDis \\ \hline m & m \\ \hline 19\,642.00 & 42.00 \\ 42\,326.00 & 26.00 \\ 66\,124.00 & 19\,376.00 \\ 85\,586.00 & 86.00 \\ 109\,942.00 & 24\,442.00 \\ \hline \end{array}$ 

Table 4: Estimated Value	
Positions	NearestTruthDis
m	m
1200.00	18 442.00
19600.00	42.00
22200.00	2558.00
42300.00	26.00
85500.00	86.00
"AvgPosConf	0.31"
${\rm `MaxPosConf'}$	0.79"