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

 $End\_sim\_time = 20000,$ 

getSpottingsNowTime = 10000,

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=500

## 0.1.1 central up route

Table 1: Ground truth value		
Positions	NearestEstDis	
$\mathbf{m}$	m	
6286.00	314.00	
15202.00	298.00	
28116.00	284.00	
33886.00	314.00	
51 074.00	326.00	

Table 2: Estimated Value	
Positions	Near est Truth Dis
m	m
6600.00	314.00
15500.00	298.00
28400.00	284.00
34200.00	314.00
51400.00	326.00
"AvgPosConf	0.99"
${\rm ``MaxPosConf'}$	1.00"

## 0.1.2 central down route

 $28\,198.00$ 

 $33\,954.00$ 

 $50\,882.00$ 

 Table 3: Ground truth value

 Positions
 NearestEstDis

 m
 m

 6084.00
 8716.00

 15 002.00
 202.00

198.00

254.00

 $17\,182.00$ 

Table 4:	Estimated Value
Positions	NearestTruthDis
m	m
14 800.00	202.00
28000.00	198.00
33700.00	254.00
"AvgPosCon	f 1.00"
"MaxPosCon	f 1.00"