Symbol	Meaning
$\mathbb Z$	The raw data matrix from RFID readers
S	The sample set
$ec{C}$	The current sample in the Markov chain
$ec{P}$	The proposal sample in the Markov chain
C_{j}	The j^{th} dimension of \vec{C}
$\stackrel{P_j}{E}$	The j^{th} dimension of \vec{P}
${E}$	The number of effective samples
B	The number of samples in the burn-in phase
S	The step length for the uniform proposal distribution
D_{object}	The total number of monitored objects
D_{zone}	The total number of zones
Jitter	A random number between 0 and 1
Rand(a,b)	Generate a random integer between a and b based on
	uniform distribution
$Post(\hat{H} \mathbb{Z})$	The posterior probability of the sample \hat{H} given raw
	data $\mathbb Z$