



- (a) Reference signal, $1/R^2$ -corrected. This reference signal is for plume signal (b). R_n , R_f are chosen to coincide with I_n , I_f .
- (b) Plume signal, $1/R^2$ -corrected. The plume spike and the decrease in the backscatter signal amplitude in the far region are due to the opacity of the plume. I_n , I_f are chosen as indicated in Section 2.6.

Figure AM1-III. Plots of Lidar Backscatter Signals