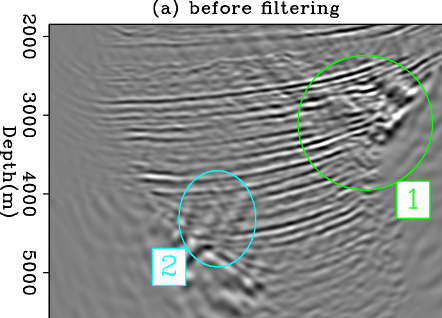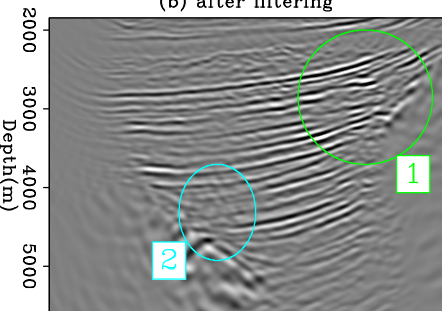(a) before filtering

(b) after filtering

(c) filtered noise