

that was taken from just north of due west about 7.3 s after the collapse started. This is shortly after the second pair of images shown in Figure 5–40. WTC 7 is indicated. The building visible between WTC 1 and WTC 7 is the Millennium Hotel, and the taller building in the foreground on the right is World Financial Center 3. (See Figure 5–2 for locations.) A large piece of falling debris is visible. The image has sufficient resolution to identify the individual columns and spandrels that formed the external wall of WTC 1. This particular piece appears to be at least two panel sections high and six panel sections wide, corresponding to about 18 m × 18 m (60 ft × 60 ft).



Figure 5–43. Cropped photograph showing the collapse of WTC 1, taken from just north of west of the WTC site 7.3 s ± 0.2 s after initiation of the collapse.

The intensity levels have been adjusted.

A view of the collapse from a different perspective is shown in Figure 5–44 which was shot from the southwest and provides a view of the south face of WTC 7. This image was taken 10.6 s following the start of the collapse. This is very close to the time of the third pair of images in Figure 5–40, which were taken at 10.63 s. Note that the falling debris visible in Figure 5–44 is still relatively far removed from the south face of WTC 7. Large sections of steel are visible in the falling debris on both sides of WTC 1.

Figure 5–45 is a high resolution photograph of the collapse of WTC 1 taken 11.7 s after initiation. This is very close to the time when the fourth pair of images in Figure 5–40 were taken and between the times for the first and second pairs of images in Figure 5–41. This is around the time when the large pieces of debris were expelled toward WTC 7. The section of this photograph above WTC 7 is enlarged in Figure 5–46. Several large sections of steel are visible. On the right side of the photograph, a falling piece of WTC 1 wall is visible that is at least three panel sections wide and two high. There is another large portion of exterior steel frame visible immediately above WTC 7 just to the right of the west penthouse. It is difficult to make out the individual columns and spandrels, but this piece appears to be roughly the same size as the one further to the right. Comparison with videos shows that this large steel section was