ARUS 280 Michael Odumosu

3/28/17

Study Question #2

A major question that I have about this film comes up in between the 10 min section and 15 min of the film. In the beginning of that section in the film the woman gets shot out of the cannon. I noted that she must be shot with a couple of tons of TNT that got her up to the suspended ring. I also noted that she must have been completely fine with doing this as she looks like she has done this before and has effortlessly got herself on the suspended ring. A question that comes to mind is what was the man truly worried about, was he worried that she was going to hold on to the ring or that she was going to suffer a certain significant degree of physical injury as a result of being ejected out of a cannon? If he was worried that she was not going to catch the ring, there is not much to speculate, I would assume that she is a professional at this, and I could not notice any tense feeling as she was moving midair. However if it is because he was worried about her physical state, then I am intrigued. From my knowledge I conclude that ejecting about 140 pounds of material to a height 12 feet above the ground (approximations for her weight and the height of the ring from the cannon), would create a reverse impact on the object due to a rapid change in acceleration. The forces exhibited on her body at the time of launch should have injured her. My question (although simple, includes plenty of inquiry) was she completely fine when after she was launched out of the cannon or did she suffer pains after?