

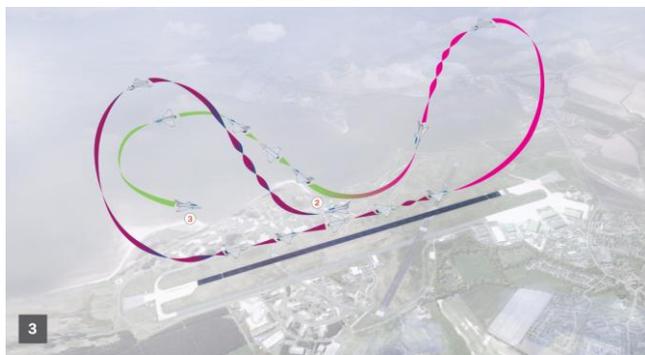
## 2012 Typhoon Display



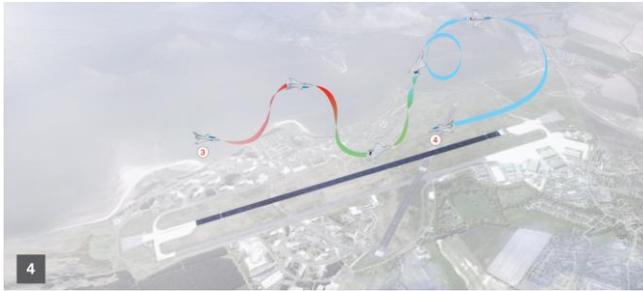
**1.** The aircraft accelerates from 0 to 160 mph in just 3 seconds before getting airborne to fly a barrel roll, and at the same time the landing gear is retracted. The aircraft then turns back towards the crowd to fly 2 aileron rolls and a derry turn. The aircraft is then turned hard back towards the display line before entering an outside turn. At this point the pilot is pushing to minus 3 Gz.



**2.** Just prior to datum the aircraft is turned hard at 9Gz away from the ground and after a roll and further turn the aircraft is positioned for the slow pass. Having passed the crowd at over 450 mph moments earlier the aircraft is now flying at less than 100 mph.



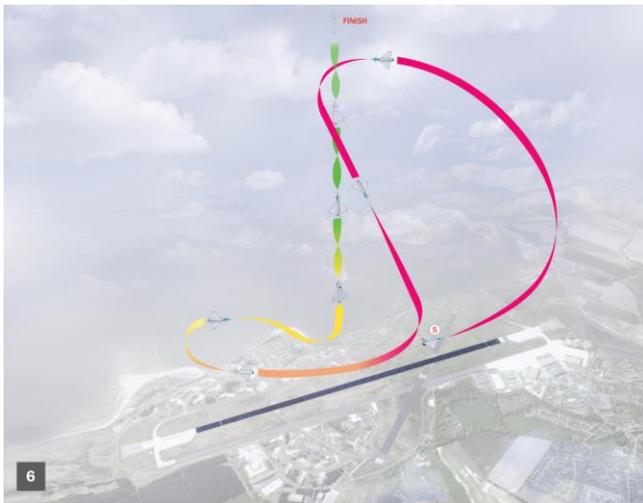
**3.** The next manoeuvre shows just how powerful the aircraft is as it accelerates from slow speed into the near vertical for a slow speed  $\frac{1}{2}$  Cuban with 540 degrees of roll. This is followed by an inverted flypast with a 360 degree roll at datum and another 9 Gz pull into a  $\frac{1}{2}$  Horizontal with a 540 degrees of roll on the way back down. The aircraft is then turned to fly away from datum.



**4.** A turn back is followed by a barrel roll towards the crowd and another away. These manoeuvres demonstrate the aircraft's ability to fly around its own velocity vector and the flight control systems' excellent carefree handling characteristics.



**5.** An oblique loop is flown from datum with an aileron roll flown at the apex. Once complete the aircraft turns away and begins to climb before starting a roll which transitions into two barrel rolls, each barrel bigger than the last. The next manoeuvre is a high speed pass flown at 100 feet and accelerating in full reheat. The aircraft is gaining 40 mph every second and the pilot has to select idle before the end of the runway to stop the aircraft going supersonic.



**6.** The aircraft is then flown in a 9Gz climbing turn to position for a bunt towards the crowd. The aircraft is pushed to the near vertical and descends rapidly before levelling to perform a min radius turn. The aircraft has so much thrust that it immediately finishes the turn and pulls up into the vertical with 3 ailerons rolls to depart.

