



Video clips relating to the serious incident involving SWR 1326 and SWR 202W

As part of the investigation into the serious incident, the data from the flight data recorders (FDR) of both aircraft was analysed. The data was converted using appropriate software in such a way that the sequence of the airprox can now be viewed in real time from different perspectives. To illustrate the serious incident and to complement the final report three video clips were produced:

Video clip 1: The aborted take-off roll of flight SWR 202W

This shows the take-off roll of flight SWR 202W on runway 28, as well as the take-off abort. Flight SWR 1326 can be seen at the top right of the image in video clip 1; it is beginning its take-off from runway 16 and lifts off in front of the SWR 202W which is braking. The bottom right of the clip replicates the screen primarily used for flight guidance (primary flight display - PFD) and the thrust lever quadrant. On the PFD a number of the FDR parameters are shown (cf. figure 1)

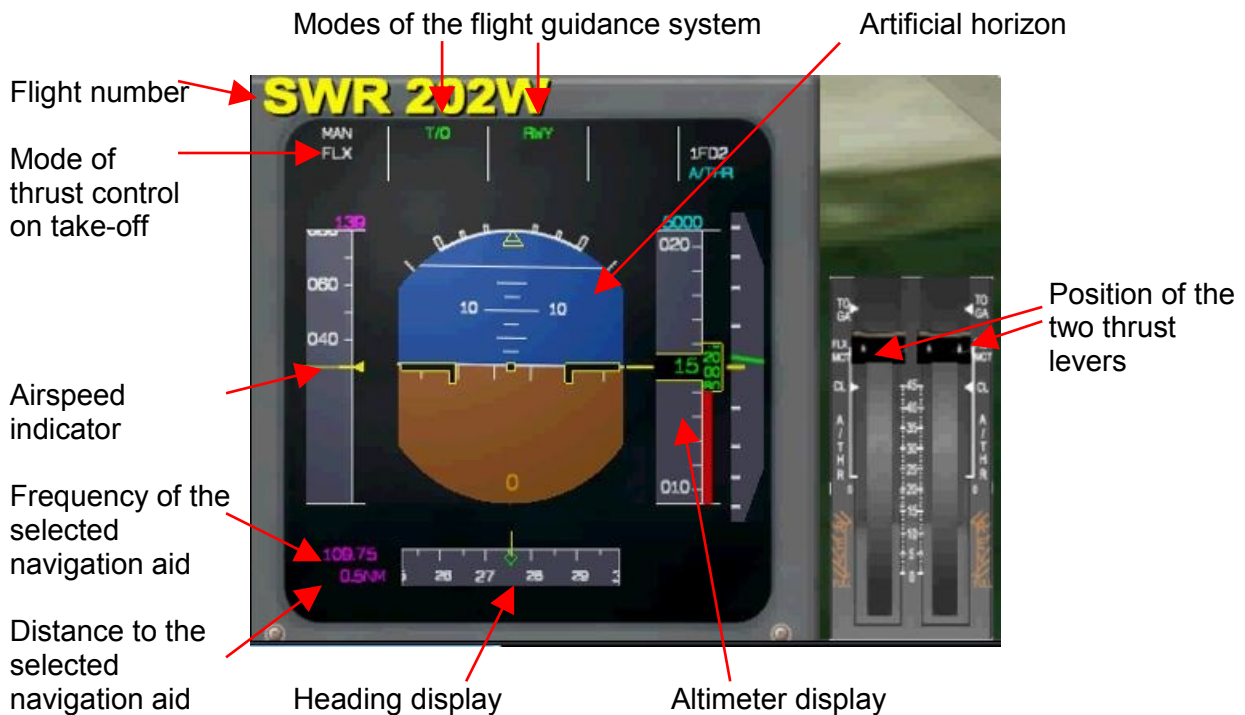


Figure 1: Detail of the primary flight display (PFD) shown in video clip 1 and 3 with a number of parameters.



In addition the following information is superimposed:

- Time in coordinated universal time (UTC) (white)
- Transcription of the recordings from the cockpit of flight SWR 202W (yellow), ATC (light green) and from the cockpit of flight SWR 1326 (cyan).

This information is based on the cockpit voice recorder (CVR) of flight SWR 202W and the radio conversations between air traffic control and the two aircraft.

Video clip 2: Take-off and departure of flight SWR 1326

This shows the aircraft taxiing to the take-off position, the take-off and the initial climb of flight SWR 1326. Flight SWR 202W can be seen at the top left of the image in video clip 2.

The time and transcriptions of the conversations are also superimposed.

Video clip 3: The aborted take-off roll of flight SWR 202W with superimposed data of an additional aircraft

This shows the same sequence as video clip 1. However, an additional aircraft has been additionally superimposed; it is taking off at the same time as flight SWR 202W on runway 28, but does not abort its take-off and takes off normally. This representation is based on the FDR data from a comparable flight. This representation makes it possible to illustrate how the serious incident would have developed if the crew of flight SWR 202W had not aborted their take-off, but had instead continued it.

In addition, in this video clip the rolling distance completed by the aircraft and the respective flight path have been superimposed.