Reconstruction of flightpath of B757-200 and TU154M according to radardata

21:35:32 Collision B757-200 and TU154M in 34 890 ft
### View of the events (last minute)

**Controller**

- QNH: 1010 hPa
- 1-0-0-8, five thousand five hundred, Aero-Lloyd 1-1-3-5

**Aero-Lloyd1135**

- Descending five thousand five hundred, Aero-Lloyd 1-1-3-5
- Altitude (feet): 36000 ft
- Heading (deg): AP Pitch CMD
- AP disengaged

**Pilot**

- CPT L Front: No, Why below?
- CPT R Front: Here visually, Why below?
- FO L Rear: Here it is showing us zero
- FO R Rear: He’s going below us (500) meters
- NAV Mid: Traffic, Traffic
- Traffic, Traffic

**ATC**

- It says “climb”, Descend?
- B-T-C 2-9-3-7, ah, descend flight level ah, 3-5-6, expedite, I have crossing traffic

**TCAS**

- TRAFFIC!
- CLIMB!

**Noises**

- Phone-Sys RE operative
- Phone-Sys RP operative
- Incomming call Pos. RP
- Incomming call Pos. RP

**ACC Events**

- Phone-Sys RP
- Phone-Sys RP
- STCA (acoustic)
View of the events (last minute)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:30</td>
<td>Expedite descend level 3-5-0, B-T-C 2-9-3-7</td>
</tr>
<tr>
<td>18:31</td>
<td>JA, .. we have traffic at your 2 o'clock position now at 3-6-0</td>
</tr>
<tr>
<td>18:32</td>
<td>JA, .. we have traffic at your 2 o'clock position now at 3-6-0</td>
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<tr>
<td>18:33</td>
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<tr>
<td>18:34</td>
<td>JA, .. we have traffic at your 2 o'clock position now at 3-6-0</td>
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<tr>
<td>18:35</td>
<td>JA, .. we have traffic at your 2 o'clock position now at 3-6-0</td>
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<tr>
<td>18:36</td>
<td>JA, .. we have traffic at your 2 o'clock position now at 3-6-0</td>
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<tr>
<td>18:37</td>
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<td>18:38</td>
<td>JA, .. we have traffic at your 2 o'clock position now at 3-6-0</td>
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<tr>
<td>18:39</td>
<td>JA, .. we have traffic at your 2 o'clock position now at 3-6-0</td>
</tr>
</tbody>
</table>

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Appendix 3

AZ: AX001-1-2/02

21 21 35 35 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

Ja, go ahead? (expletive) where is it? Here, on the left. "Climb" it says. (expletive) ... It is going below us. (expletive) ... 45s

Zurich, Expo 5-1-7-7, maintaining flight level 3-6-0

And Zurich from the Aero-Lloyd 1-1-3-5?

We have ah... Positive contact with ah... Fried- richshafen ah... Radar.

Left 2-4-0, cleared I-L-S 2-4, Aero-Lloyd ah... 1-1-3-5

35800 ft 35600 ft 35400 ft 35300 ft 35200 ft 35100 ft 34900 ft

Climb

Expedit descend level 3-5-0, B-T-C 2-9-3-7

And Zurich from the Aero-Lloyd 1-1-3-5?

35400 ft

INCREASE DESCEND!  INCREASE DESCEND!

35300 ft 35500 ft 35700 ft

INCREASE CLIMB!  INCREASE CLIMB!

35600 ft 35400 ft 35200 ft 35100 ft 34900 ft

INCREASE DESCEND!  INCREASE DESCEND!

35800 ft

Traffic right more

Traffic right more

Dilmun six hundred, ah...

Dilmun six hundred, ah...

Dilmun six hundred, ah...

Dilmun six hundred, ah...

Dilmun six hundred, ah...

Dilmun six hundred, ah...

Dilmun six hundred, ah...

Dilmun six hundred, ah...

INCREASE CLIMB!

INCREASE CLIMB!

INCREASE CLIMB!

INCREASE CLIMB!

INCREASE DESCEND!

INCREASE DESCEND!

INCREASE DESCEND!

INCREASE DESCEND!

INCREASE DESCEND!

INCREASE DESCEND!

INCREASE DESCEND!

INCREASE DESCEND!

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