



CA18/2/3/7510

## SOUTH AFRICAN CIVIL AVIATION AUTHORITY

### ACCIDENT REPORT – EXECUTIVE SUMMARY

<b>Aircraft Registration</b>	ZS-OJU	<b>Date of Accident</b>	01/06/2002	<b>Time of Accident</b>	0515Z
<b>Type of Aircraft</b>	HAWKER SIDDELEY 748		<b>Type of Operation</b>	Scheduled Freight	
<b>Pilot-in-command Licence Type</b>	Airline Transport	<b>Age</b>	69	<b>Licence Valid</b>	Yes
<b>Pilot-in-command Flying Experience</b>	Total Flying Hours	20963.8 hrs	<b>Hours on Type</b>	1819.3 hrs	
<b>Last point of departure</b>	Bloemfontein Aerodrome				
<b>Next point of intended landing</b>	George Aerodrome				
<b>Location of the accident site with reference to easily defined geographical points (GPS readings if possible)</b>					
In Vandalenskloof, 7.6 nm from GGV on a bearing 065° Magnetic at a position S33° 54' 42" E022° 28' 33.6"					
<b>Meteorological Information</b>	Poor weather conditions with low cloud and rain.				
<b>Number of people on board</b>	2 + 1	<b>No. of people injured</b>	Nil	<b>No. of people killed</b>	2 + 1
<b>Synopsis</b>	<p>The aircraft was on a scheduled freight flight from Bloemfontein to George. Poor weather conditions prevailed over the George area and the pilots had to execute an instrument guided approach for the landing. The ground based Instrument Landing System (ILS) on Runway 29 at George Aerodrome was intermittently unreliable during the approach. The pilots decided to execute a missed approach.</p> <p>During the missed approach the pilots did not comply with the published missed approach procedure and with a combination of strong winds and possible erroneous heading indications they lost situational awareness. They flew the aircraft into a valley and crashed into the side of the mountains North-East of the George Aerodrome.</p>				
<b>Probable Cause</b>					
<p>The crew deviated from the prescribed missed approach procedure during an attempted Instrument Landing System landing on Runway 29 at George in Instrument Meteorological Conditions and lost situational awareness aggravated by the presence of strong upper South-Westerly winds. They allowed the aircraft to drift off course resulting in a controlled impact with terrain 6.7 nm North-East of the aerodrome.</p> <p>Contributing factors to the probable cause were the weather conditions, the intermittent unreliability of the Instrument Landing System, the serviceability of the directional gyro and the uncleared defects.</p>					



## AIRCRAFT ACCIDENT REPORT

**Name of Owner** : AirQuarius Contracts (PTY) LTD  
**Name of Operator** : AirQuarius Air Charter (PTY) LTD trading as Airquarius Aviation  
**Manufacturer** : Hawker Siddeley  
**Model** : HS-748 2B  
**Nationality** : South African  
**Registration Marks** : ZS-OJU  
**Place** : In Vandalenskloof, 7.6 nm from GGV on a bearing 065° Magnetic at a position S33° 54' 42" E022° 28' 33.6"  
**Date** : 1 June 2002  
**Time** : 0515Z

*All times given in this report are Co-ordinated Universal Time (UTC) and will be denoted by (Z). South African Standard Time is UTC plus 2 hours.*

### **Purpose of the Investigation :**

*In terms of Regulation 12.03.1 of the Civil Aviation Regulations (1997) this report was compiled in the interest of the promotion of aviation safety and the reduction of the risk of aviation accidents or incidents and **not to establish legal liability**.*

### **Disclaimer:**

*This report is given without prejudice to the rights of the CAA, which are reserved.*