

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

Start of Transcript

18:18:24.4 (all times are local time)  
[start of recording]

18:18:24.5  
PA-1 [captain makes speech to passengers]

18:18:53.4  
CAM-? [sound of whistling]

18:20:25.0  
CAM [sound of flight attendant door open request]

18:20:28.1  
CAM-1 is ok?

18:20:29.7  
CAM-3 [flight attendant says that everything in the cabin is  
OK, and then asks where will they be landing]

18:20:33.3  
CAM-1 I have just informed.

18:20:34.7  
CAM-3 I didn't hear - sorry - her talking.

18:20:37.7  
CAM-1 but she heard, Congonhas.

18:20:39.3  
CAM-3 is it Congonhas? its great, so. she might have heard.  
thank you.

18:43:04.3  
HOT-1 remember, we only have one reverse.

CIAA

PR-MBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:43:06.9

HOT-2 yes... only the left.

18:43:24.0

HOT-1 glideslope, LOC blue... LOC star. [LOC star means an asterisk is displayed on the FMA, which means the loc capture]

18:43:26.6

HOT-2 checked.

18:43:27.1

HOT-1 autopilot one plus two.

18:43:29.4

HOT-1 flaps one.

18:43:30.7

HOT-2 speed checked.

18:43:36.7

HOT-1 clear status.

18:43:41.8

HOT-2 clear status.

18:43:43.8

HOT-2 clear.

18:43:48.2

RDO-2 going to intercept the localizer, TAM three zero five four.

18:43:52.2

APP TAM three zero five four, reduce speed for the approach... and call the tower on frequency one two seven point one five, good afternoon.

CIAA

PR-MBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:44:00.0

RDO-2 one two seven one five, over.

18:44:01.7

HOT-1 good afternoon.

18:44:06.4

HOT-1 flaps two.

18:44:08.1

CAM-2 speed checked.

18:44:20.0

HOT-2 flaps at two.

18:44:22.3

RDO-2 Sao Paulo tower, this is TAM three zero five four.

18:44:26.1

TWR TAM three zero five four, reduce minimum speed for approach, the wind is north with zero six. I will report when clear three five left.

18:44:33.4

RDO-2 good evening, reducing to the minimum possible [speed].

18:44:36.3

HOT-1 landing gear down.

18:44:37.7

HOT-2 landing gear down.

18:44:53.9

HOT-1 flaps three.

18:44:55.1

HOT-2 speed checked.

CIAA

PR-MBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:44:57.4  
HOT-2 flaps three.  
18:45:03.9  
HOT-1 flap full.  
18:45:05.7  
CAM-2 speed checked, flaps full.  
18:45:10.6  
HOT-1 standby final checklist  
18:45:12.0  
HOT-2 standing by.  
18:45:12.9  
CAM-1 glide star, set missed approach altitude.  
18:45:15.0  
CAM-2 ALT \* \*.  
18:45:21.0  
CAM-2 six thousand feet.  
18:45:44.0  
CAM [sound of windshield wipers operating]  
18:45:52.1  
CH2 [sound of outer marker beacon heard on channel 2]  
18:46:03.2  
HOT-1 final checklist.  
18:46:04.6  
HOT-2 final checklist, passing DIADEMA [name of the outer  
marker beacon]  
18:46:10.4  
PA-2 cabin crew, clear to land. [prepare for landing]

CIAA

PR-MBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:46:14.0  
CAM-2 cabin crew.

18:46:15.2  
CAM-1 advised.

18:46:16.0  
CAM-2 auto thrust.

18:46:17.8  
CAM-1 speed.

18:46:20.0  
CAM-2 \* \*.

18:46:21.1  
CAM-1 landing no blue.

18:46:22.6  
CAM-1 ECAM MEMO [Electronic Centralized Aircraft  
Monitor - check memo status]

18:46:23.8  
HOT-1 landing, no blue.

18:46:24.9  
HOT-2 landing no blue.

18:46:26.1  
HOT-1 okay?

18:46:26.7  
HOT-2 okay... what?

18:46:28.6  
HOT-2 okay.

18:46:30.8  
HOT-? \*.

CIAAA

PR-MBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:46:30.8

HOT-2 final checklist complete.

18:46:33.8

CAM-1 runway in sight, landing.

18:46:41.7

CAM-1 ask him [the tower] about the rain condition, the runway condition, and if the runway is slippery.

18:46:57.0

RDO-2 TAM on final approach, two miles away. could you confirm conditions?

18:47:01.7

TWR it's wet, and it is slippery. I will report three five left clear, three zero five four.

18:47:06.1

RDO-2 already on final.

18:47:07.5

TWR the aircraft is starting the departure.

18:47:10.7

HOT-1 wet and slippery!

18:47:22.0

HOT-2 the aircraft is starting the takeoff run.

18:47:34.3

TWR TAM three zero five four, three five left, clear to land, the runway is wet, and is slippery and the wind is three three zero at eight. knots.

18:47:40.6

HOT-2 three three zero at eight, is the wind.

CLIAA

PR-IMBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:47:42.9

HOT-1 checked.

18:47:43.9

TWR three zero five four?

18:47:45.3

RDO-2 three zero five four, roger.

18:47:46.4

FWC four hundred.

18:47:49.8

HOT-1 is the landing clear?

18:47:50.7

HOT-2 clear to land.

18:47:52.3

HOT-1 land green, manual flight.

18:47:53.7

CAM [sound of autopilot disconnect tone]

18:47:54.1

HOT-2 checked.

18:47:54.8

HOT-1 inhibit the glide [GPWS aural warning] for me please.

18:47:55.7

CAM [sound of triple click indicating reversion from CAT II or III to CAT I approach mode (manual flight approach)]

18:47:56.9

HOT-2 what?

CIAA

PRMBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:47:58.8  
FWC three hundred.

18:47:59.3  
HOT-1 inhibit the glide for me.

18:48:00.6  
HOT-2 okay.

18:48:03.0  
HOT-2 inhibit.

18:48:05.8  
HOT-2 middle.

18:48:11.6  
FWC two hundred.

18:48:14.9  
HOT-2 one dot now. okay.

18:48:16.8  
HOT-1 okay.

18:48:21.0  
FWC twenty.

18:48:21.6  
FWC retard.

18:48:23.0  
FWC retard.

18:48:24.5  
CAM [sound of thrust lever movement]

18:48:24.9  
CAM [sound of increasing engine noise]

CIAA

PR-MBK

PRELIMINARY - DRAFT



INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:48:25.5

GPWS retard

18:48:26.3

CAM [sound similar to touchdown]

18:48:26.7

HOT-2 reverse number one only.

18:48:29.5

HOT-2 spoliers nothing.

18:48:30.8

HOT-1 aaiii. [sigh]

18:48:33.3

HOT-1 look this.

18:48:34.4

HOT-2 decelerate, decelerate.

18:48:35.9

HOT-1 it can't, it can't.

18:48:40.0

HOT-1 oh my god..... oh my god.

18:48:42.7

HOT-2 go go go , turn turn turn turn.

18:48:44.6

HOT-2 turn turn to... no, turn turn.

18:48:45.5

CAM [sound of crushing noises]

18:48:49.7

CAM-? (oh no) [male voice]

CIAA

RR-MBK

PRELIMINARY - DRAFT

INTRA-COCKPIT COMMUNICATION

AIR-GROUND COMMUNICATION

TIME and  
SOURCE

CONTENT

TIME and  
SOURCE

CONTENT

18:48:50.0

CAM [pause in crushing noises]

18:48:50.6

CAM-? [sound of scream, female voice]

18:48:50.8

CAM [sound of crushing noise]

[end of recording]

18:48:51.4

End of Transcript

CIAA

PR-MBK

PRELIMINARY - DRAFT