

Air Astana flight KC1388, an Embraer ERJ-190, diverted to Beja Airport, Portugal after suffering control issues after departure from Alverca Air Base, Portugal. The aircraft had arrived at Alverca on October 2 and underwent maintenance. KC1388 was the first post-maintenance flight. The aircraft took off at 13:31 hours UTC and landed at Beja about 15:10 UTC.

More info: <https://aviation-safety.net/wikibase/wiki.php?id=217634>

The following is an unofficial transcript of the Lisbon Approach ATC audio provided by LiveATC.net

1388= Astanaline 1388
 ATC = Lisbon Approach
 F-16 = Pilot of F-16 jet

- Times are approximate; messages may contain transcription errors.
- [...] = callsign or unintelligible
- ? = word unclear

UTC time	Source	Message
13:33:34	1388	1-3-8-8 mayday, mayday, mayday, we (have?) control problems [...] hold heading 0-3-0
13:34:32	1388	Flight 1-3-8-8 request back to airport
	ATC	[...] are you visual with Alverca?
13:34:52	ATC	[...] Descend to 2500 feet, QNH 1-0-1-0
	1388	[...] altitude 4000 feet
13:35:00	ATC	[...] Descend to 2500 feet, QNH 1-0-1-0
	1388	Negative [...] maintain 4000 feet
	ATC	Roger maintain 4000 feet and report when ready to proceed for Alverca
13:35:30	1388	Flight 1-3-8-8 request back to airport
	ATC	Turn left or right as you wish heading 2-8-0
13:37:22	1388	Flight 1-3-8-8 we have flight control problems [...] climbing 10000 feet
	ATC	Roger climb to 10000 feet, QNH 1-0-1-0
	1388	Climbing to flight level 1-0-0, QNH 1-0-1-0, 1-3-8-8
13:41:00	1388	[...]ditching[...]ditching[...]request (vectors?) for ditching
	ATC	Unreadable please say again
	1388	1-3-8-8 request (vectors?) for ditching
13:41:14	1388	(other voice) Mayday we need vectoring to the sea [...] ditching, ditching please... away from the terrain please
	ATC	Do you need vectors to land or ditch fuel?
	1388	[...]ditching[...]ditching[...]aircraft uncontrollable
	ATC	[...] runway 22 at Alverca, fly heading 2-6-0
13:41:44	1388	We need vectoring to the sea please, we will be ditching, come on, ditching!
	1388	1-3-8-8 fly heading 2-6-0
13:42:56	1388	Astanaline -8-8 vectoring to the sea area we will be ditching [...] (unstable?)
		1-3-8-8 you have the river if you turn by the left or right heading 260 is the closest thing
	1388	[...] maybe ocean
	ATC	The ocean is 40 miles from your position
	1388	[...]
	ATC	Left heading 2-6-0
13:47:46	1388	Alverca, Astaline 1-3-8-8 we have a mayday, aircraft completely uncontrollable request vectoring we expect ditching
	ATC	[...] turn left heading 2-6-0 for the river
	1388	2-6-0 for the river [...]
13:50:15	1388	1-3-8-8 we cannot control the airplane do you have an area were the weather is better, we need visual conditions to land
	ATC	[..]I believe south the weather is better
13:51:49	ATC	When able report people on board an fuel
	1388	Six people on board airplane is completely uncontrollable flight control problems we have manual control now we want to land on the sea
	ATC	[...]Wish the sea and not the river?
	1388	Maybe sea is better [...] more space to (decelerate?) [...] need better weather
13:53:55	ATC	[...] if able fly southbound I believe the weather is better

	1388	[...]OK[...]
13:54:58	1388	[...] at this moment [...] able to reach the sea
		You can reach the sea on heading 2-1-0 from your present position and you can find the sea in approximately 3-6 miles
	1388	OK
13:57:08	1388	[...] heading to the sea, we need a ditching
	ATC	Fly heading 2-1-0
	1388	2-1-0 heading
	ATC (new voice)	[...]Able to turn left 15 degrees?
	1388	We need vectoring to the sea area, [...] ditching please
	ATC	[...] Continue on this present heading
13:59:55	ATC	[...] Continue flying on this direction
14:04:50	1388	[...] Our position[...]
	ATC	If you fly southbound you need to go another 3-6 miles
	1388	Fly south 3-6 miles ok
	ATC	Southwest 3-8 miles and you reach the sea
14:06:50	1388	[...] Request vectoring to the sea please
	ATC	Turn left and I'll tell you to stop the turn when you [...] in the direction of the sea
	1388	[...] What is the weather below us?
	ATC	[...] I don't know the weather below you
14:07:22	1388	We are now heading to the north [...]
	ATC	If you turn another 30 degrees left you reach the sea in [...] miles
14:09:30	1388	[...] we can continue on this heading to the sea?
	ATC	If you keep this heading you reach the sea in 4-3 miles
	1388	[...]
	ATC	[...]Fly heading 2-2-0
14:15:45	1388	We are in thunderstorm (?) now heading we [...] confirm our direction, were can we land?
	ATC	You are flying on heading 0-7-3
14:18:59	1388	In this heading can we proceed to the sea?
	ATC	[...] that heading is north now if you can fly westbound you reach the sea
14:19:36	ATC	There is a couple of F-16 fighters they're flying your way now trying to assist you in your navigation
	1388	We are expecting an emergency ditching or landing the airplane is completely uncontrollable
	ATC	[...] They'll probably reach you in 4, 5 minutes
	1388	With this heading can we reach the sea?
	ATC	With that heading you can in 3-8 miles
14:21:32	ATC	You have a river dam (?) southeast of you position
	1388	Southeast copied
14:25:56	1388	[...] Now climbing [...]
14:26:30		We are now flying at 1-2-0 [...] Can you confirm the altitude you are maintaining?
14:27:04	ATC	(Bullet 2-1?) cannot maintain heading and no altitude and is flying at level 1-2-0 and climbing and descending all the time.
14:28:48	ATC	1388 you are now at 20 miles north of [...] can you keep flying north, you 'll the sea at [...] in about 4-4 miles
	1388	We are on flight level 1-0-0 descending 3-0-0
	ATC	You have the sea 26 miles west of your position
14:29:40	1388	I'll maintain 1-0-0 flight control problem
14:30:16	1388	On heading south can you reach the sea?
	ATC	You can also reach the sea if you head south it is 57 miles
	1388	We are now turning [...] south
	ATC	If you fly south of southwest you'll reach the sea
	1388	Ok southwest.
14:32:15	1388	Can you reach the sea on this heading eastbound
	ATC	Eastbound won't take you to the sea [...] you need to turn left or right westbound
	1388	Westbound
14:34:41	F-16	Kilo Zulu Romeo, this is Portuguese air defence how do you read?
	1388	Hi I read you fine now

	F-16	Copied. We are 60 miles north of your position we will try to intercept you and give you any assistance required. How can we assist you?
	1388	[...]Flight control problem maintain flight level 1-4-0 westbound we will make ditching [...]
	F-16	Confirm you want [...] ditching over the sea
	1388	Copied yes. Affirm affirm we are trying to ditching on the sea
14:35:34	F-16	[...]Don't you have fuel to reach Faro
	1388	[...]
	1388	Now head south flight level 1-5-0 can you reach [...]
	ATC	[...]westbound to the sea Sir
14:36:29	1388	Heading 1-5-0... flight level 1-5-0 request heading to the sea
	ATC	[...]Turn right heading 2-1-0
	1388	Right heading 2-1-0
	F-16	Kilo Zulu Romeo, Portuguese air defence Faro is Victor Mike Charlie. Confirm you are not able to reach Faro.
	1388	Affirm we need ditching [...]
	F-16	Copied, ditching.
	ATC	[...] If you continue that heading we have an aerodrome a civilian aerodrome 1-3 miles
14:40:57	ATC	[...]The maintenance [...]will try to contact you on this frequency as well
	1388	Copied
14:41:44	ATC	[...] you are flying away from the sea you are flying into Spanish territory
14:42:07	ATC	You are probably flying in better weather if you move further east
	1388	[...]Our aircraft is [...]controllable
	ATC	Roger confirm intentions
	1388	We need airport with good weather [...]
	ATC	You have an aerodrome with good weather south of your position 1-3-5 miles south of you position can you fly that?
	1388	Copied can you say the heading?
	ATC	Right heading 1-9-0
14:43:12	F-16	Kilo Zulu Romeo, are you now able to maintain an heading and an altitude?
	1388	Affirm.
	F-16	If your wish we can intercept you and guide you to the aerodrome for you to land in a safe way
	1388	OK yes [...]
	F-16	Are you able to maintain 18000
	1388	Maintaining 1-9-0
	F-16	[...]Faro will be the divert aerodrome?
	1388	Affirm
14:43:53	ATC	[...] You have [...] aerodrome will be a short route 70 miles south
	1388	Please say the heading.
	ATC	[...] Right turn heading 1-9-5
	1388	1-9-5
	F-16 ?	[...] to divert [...] airplane
	ATC ?	Unreadable
	ATC	[...]Beja is a suitable aerodrome for you they are expecting you it is a right or left turn heading 1-9-5, 75 miles
	1388	Copied 1-9-5 75 miles
	F-16	Kilo Zulu Romeo, if you take a right turn now you will be more or less aligned with runway 19 at Beja.
	1388	OK, say again airport name again with spelling
	?	Bravo Echo Juliet. Lima Papa Bravo Juliet.
14:45:38	1388	[...] Say the active runway and the [...]
	ATC	Expect runway 1-9 and fly heading 2-0-5
	1388	heading 2-0-5
	ATC	Bullet when able to escort Astaline 1388 to Beja
	F-16	[...] coming closing in and I am Victor Mike Charlie
14:46:51	F-16	Kilo Zulu Romeo, if you turn right now approximately heading [...] you will be more or less aligned with runway 19 at Beja.
14:47:26	ATC	Right heading 2-1-0 for the runway 1-9 and a straight in approach

		Kilo Zulu Romeo, I am 10 nautical miles from you if you wish if you need me to intercept you can fly on my wing
14:48:16		Kilo Zulu Romeo, are you able to fly the ILS approach too runway 1-9
	1388	1388 now how do you read me?
	ATC	[...] This is Lisbon Approach I read you five. You have F-16's to guide you in.[...]
	1388	[...] how do you read now?
	F-16	Kilo Zulu Romeo, Portuguese air defense four miles from you [...]maintaining 18000
	1388	Confirm we luckily our aircraft is under control [...]we need any assistance to land airport with good weather because we cannot [...] indication problem with the flight controls
	ATC	Heading is good to Beja you have runway 1-9 the weather wind 1-9-0 degrees 1-7 knots visibility 10 km or greater clouds scattered at 3000 feet broken at 4800 temperature 1-9 dewpoint 1-4 QNH 1-0-1-1
	F-16	[...]Maintain 20000 [...] on your left wing
	1388	OK, Could you please give us the space because we have TCAS
	F-16	Copied is it off now? Can you start descending [...] on the current heading
	1388	Can you say the heading[...]?
	F-16	Descend Initially to 8000 feet 2986 inches and turn right heading 2-4-0
	1388	Turning right heading 2-4-0 and descending
	F-16	Try to maintain outside of the weather
	1388	Yes.
		<i>Conversations relating to vectors for Beja</i>
14:53:01	ATC	Just to confirm are you able to follow the F-16 to join [...] runway 1-9 at Beja?
	1388	Yes we try to uhh we have manual control we better keep the heading and [...]
15:01		<i>Switching over to Beja frequency</i>
Ca 15:10		<i>Landing at Beja Airport</i>



Playback of flight KC1388 / KZR1388

GREAT CIRCLE DISTANCE	FROM	Lisbon (LIS)	TO	N/A
AVERAGE FLIGHT TIME				
ACTUAL FLIGHT TIME	TIME	14:01 UTC	CALIBRATED ALTITUDE	16,774 FT
AVERAGE ARRIVAL DELAY			GPS ALTITUDE	N/A
			GROUND SPEED	222 KTS
			VERTICAL SPEED	N/A
			TRACK	154°
			TRUE AIRSPEED	N/A
			INDICATED AIRSPEED	N/A
			SQUAWK	7700

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