

Selected Smoke, Fire and Fumes Events in the United States, November 2009–January 2010

Date	Flight Phase	Airport	Classification	Sub-classification	Aircraft Model	Operator
Nov. 10	Climb	San Jose, California (SJC)	Diversion, emergency landing	Fumes in cockpit	Embraer EMB-190	JetBlue Airways
On climbout through Flight Level 290, the crew received a "TAT 1 FAIL" EICAS (engine indicating and crew alerting system) message, followed by autothrottle disconnect and a strong odor of electrical fumes. The autothrottle and autopilot would not re-engage. An emergency was declared with a diversion to SJC. The odor continued through the descent and landing.						
Nov. 13	Climb	Los Angeles (LAX)	Return to airport, unscheduled landing	Fumes in cabin	McDonnell Douglas DC-9	American Airlines
After takeoff, flight attendants reported fumes in the cabin. The airplane was returned to LAX and landed without incident. Maintenance technicians replaced the pressure regulator valve in the tail section.						
Nov. 18	Cruise	Chicago (ORD)	Diversion, emergency landing	Smoke in cockpit	Airbus A319	Allegheny Airlines
While en route from Los Angeles to Boston at Flight Level 370, the right cockpit window exhibited arcing and smoke. Five minutes later, the window shattered. The flight crew declared an emergency, diverted and made an emergency descent to ORD.						
Nov. 18	Cruise	Miami (MIA)	Unscheduled landing	Smoke in cockpit	Boeing 767	American Airlines
The crew reported an EICAS alert for the forward equipment exhaust fan, followed by an electric odor and smoke in the cockpit. The airplane was given priority for landing. Maintenance technicians replaced the forward equipment exhaust fan.						
Nov. 20	Climb	—	Emergency landing	Fumes in cabin	Boeing 757	American Airlines
Electrical fumes were reported in the cabin. An emergency was declared. Maintenance technicians found that the right recirculation fan had failed.						
Nov. 23	Cruise	Albany, New York (ALB)	Diversion, unscheduled landing	Smoke in cockpit	Embraer EMB-145LR	Continental Express Airlines
The flight crew reported smoke in the cockpit and the no. 2 multi-function display circuit breaker "popped." The flight was diverted and the aircraft landed uneventfully.						
Nov. 26	Cruise	—	Diversion, unscheduled landing	Smoke in cockpit	Boeing 767	North American Airlines
During the last hour of flight, a strong electrical burning smell emanated from the cockpit. The pilots consulted the quick reference handbook, and a landing was made at the nearest airport. Maintenance technicians found that a forward exit equipment cooling fan circuit breaker was defective and replaced it.						
Dec. 14	Cruise	Atlanta (ATL)	Diversion, unscheduled landing	Smoke in cockpit	Embraer EMB-145XR	Continental Express Airlines
The crew reported smoke in the cockpit during the flight. The aircraft was diverted to ATL, where it was landed without incident.						
Dec. 15	Descent	—	Emergency landing	Smoke in cockpit	Airbus A320	Northwest Airlines
Nearing the descent, the crew smelled a burning odor. An emergency was declared, followed by an uneventful landing. Maintenance technicians found left cabin recirculating fan damage.						
Dec. 18	Descent	Houston (IAH)	Emergency descent	Smoke alert	Embraer EMB-145LR	Continental Express Airlines
During the descent, the crew reported a baggage compartment fire indication without an alarm or EICAS message. The aircraft was landed without incident. Maintenance technicians replaced the baggage compartment recirculation fan.						
Dec. 28	Approach	Charlotte, North Carolina (CLT)		Smoke in cockpit	Airbus A321	Allegheny Airlines
On short final, a blower/extract fan started, and a loud noise was heard, followed by electrical smoke. Maintenance technicians later replaced the avionics extract fan.						
Dec. 29	Climb	Dallas (DFW)	Return to airport, unscheduled landing	Smoke in cockpit	Embraer EMB-145LR	American Eagle Airlines
During climb, the crew reported an odor of ash and smoke in the cockpit. The crew elected to return to DFW.						
Jan. 25	Climb	—	Diversion, unscheduled landing	Smoke in cockpit	Airbus A319	Delta Air Lines
During the climb, a rumbling noise was heard for several minutes followed by acrid smoke on the flight deck. The aircraft was diverted. While the descent was in progress, an extract fan fault was annunciated. The landing was uneventful. Maintenance technicians replaced the avionics extract fan.						
Jan. 25	Descent	New York (JFK)	—	Smoke in cockpit	Embraer EMB-190	JetBlue Airways
During descent, the crew reported a grinding noise, and a light vibration was noticed on the flight deck. This was followed by a strong burning odor on final approach with the grinding noise becoming louder.						
Jan. 29	Cruise	Philadelphia (PHL)	Diversion, unscheduled landing	Smoke in cockpit, smoke in cabin	Embraer EMB-145XR	Continental Express Airlines
The crew reported a smoke smell in the cockpit and cabin. The aircraft was diverted to PHL and landed without incident.						

Source: Safety Operating Systems and Inflight Warning Systems