

Photos of the plume from a flight with TF-SIF on September 1st 2014

Halldór Björnsson



Overview photo that shows the plume rising from the eruption site (to ANA, since winds are from WSW). It levels out into a cloud that extended far (at least 50 km) away. Below this cloud another cloud can be seen at the level as clouds that are in the back ground. Low level dust storm is clearly apparent in the boundary layer.



Top of the cloud that the plume generates. Looking towards the volcano. The top of this cloud was at about 15000 ft (about 4500 m a.s.l).



The plume few km downwind from the volcano (over the eastern branch of Jokulsá, flying towards west, looking north). Note that the plume is rising through a dark background cloud and the dust at low levels is wind blown (sandstorm) not ash fall out.



A close up from the lower portion of the plume, and the clear back ground cloud behind it. The dust can be seen "streaming" from the ground up. The plume has a white, slightly bluish tinge.



The plume at the source. It rises fairly evenly, with occasional turrets rising faster than the main plume. It does not hug the ground close to the source.



The plume origin at the fissure. A small vent at the southern edge of the crater row (just north of the big crater in the southern part of the row) can be seen smooking slightly, but cloud originates at the main vent.



A closeup of the eruption fissure