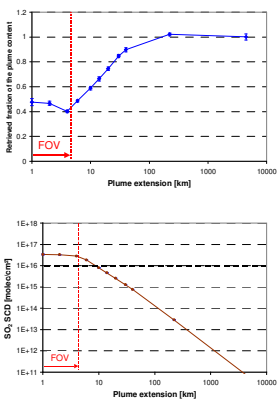
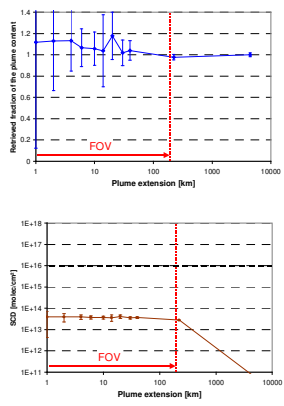
(a)

SO_2 at 313 nm, 0 - 1 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

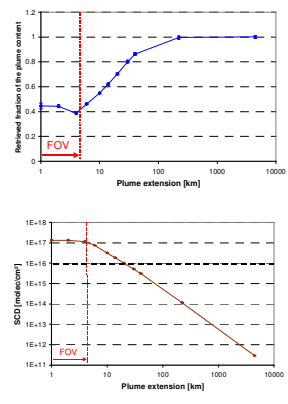


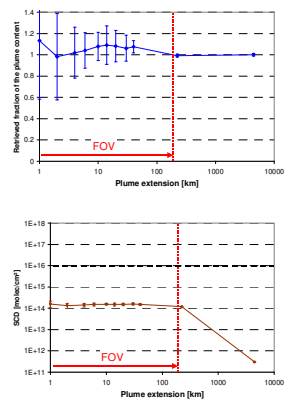


SO_2 at 313 nm, 5 - 6 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

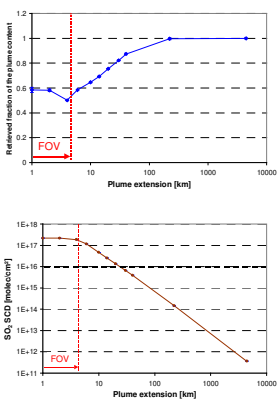


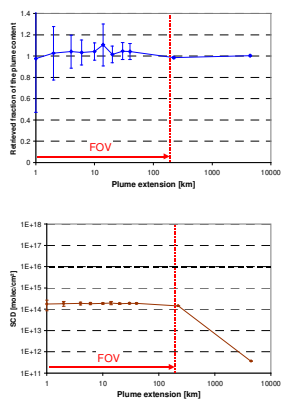


SO_2 at 313 nm, 10 - 11 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

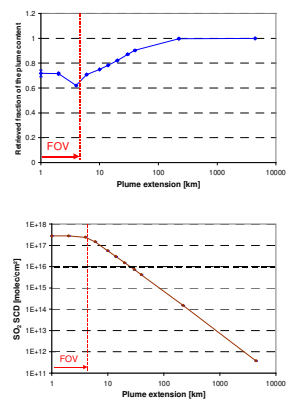


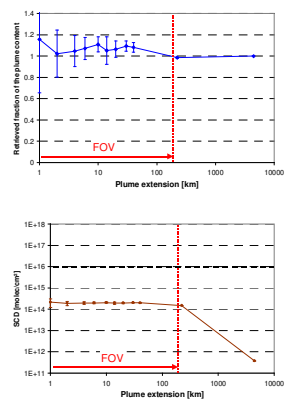


SO_2 at 313 nm, 15 - 16 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²



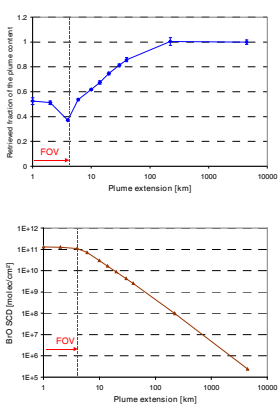


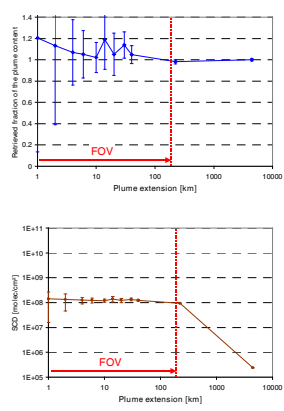
(b)

BrO at 340 nm, 0 - 1 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

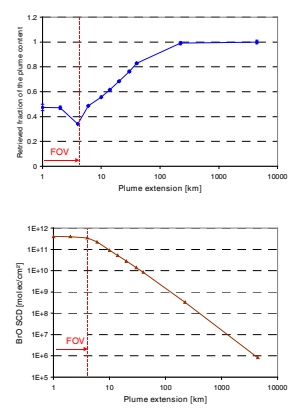


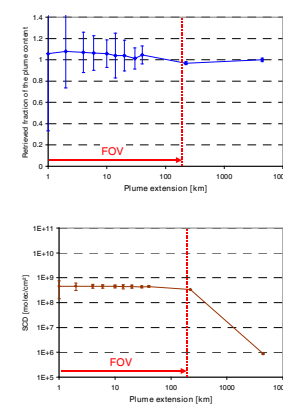


BrO at 340 nm, 5 - 6 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

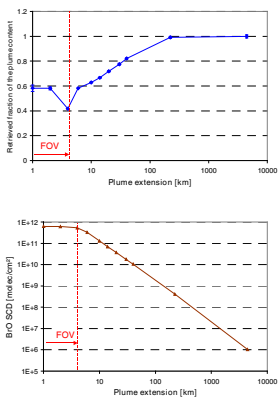


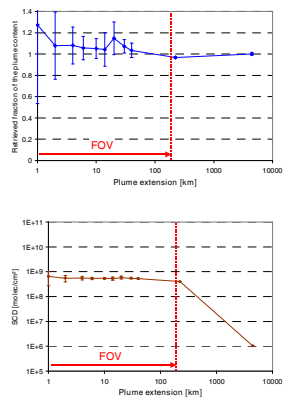


BrO at 340 nm, 10 - 11 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

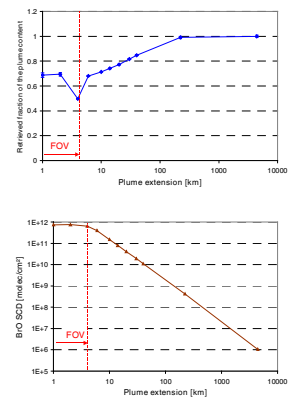


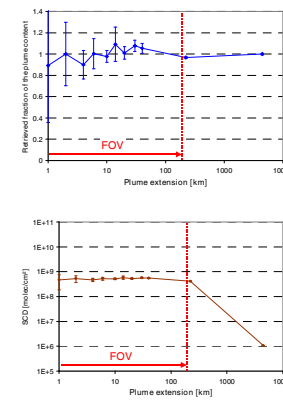


BrO at 340 nm, 15 - 16 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²



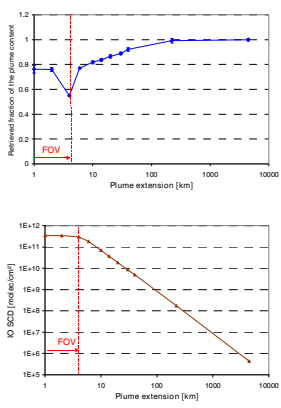


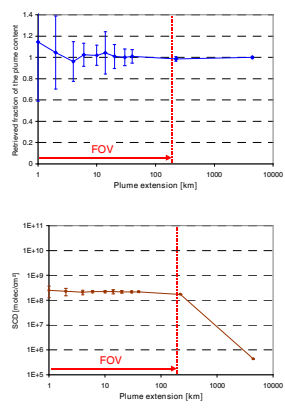
(c)

IO at 440 nm, 0 - 1 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

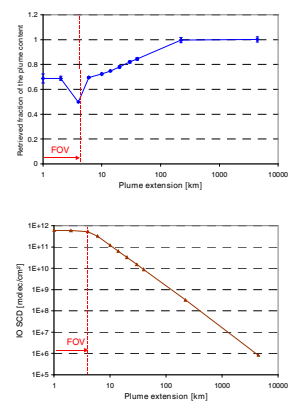


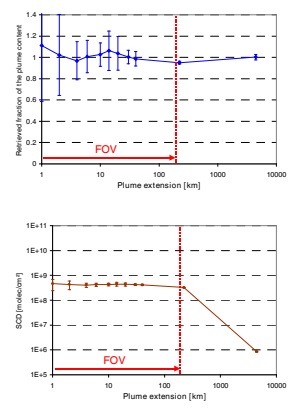


IO at 440 nm, 5 - 6 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²

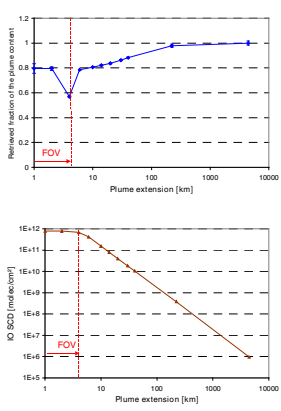


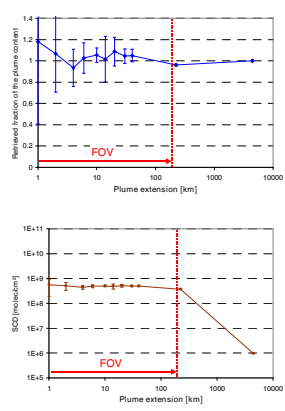


IO at 440 nm, 10 - 11 km

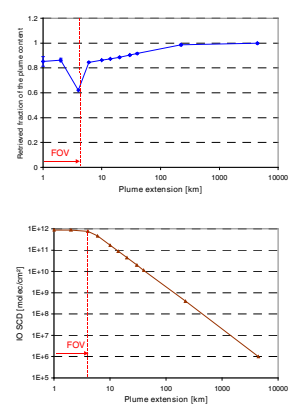
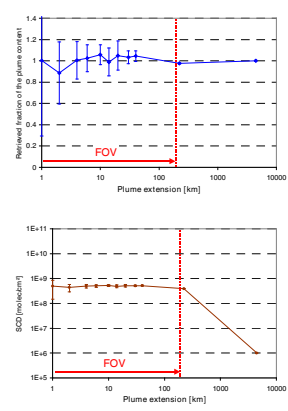
Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²





IO at 440 nm, 15 - 16 km

Ground pixel size: 3.5 x 5.5 km² (TROPOMI)

Ground pixel size: 200 x 200 km²