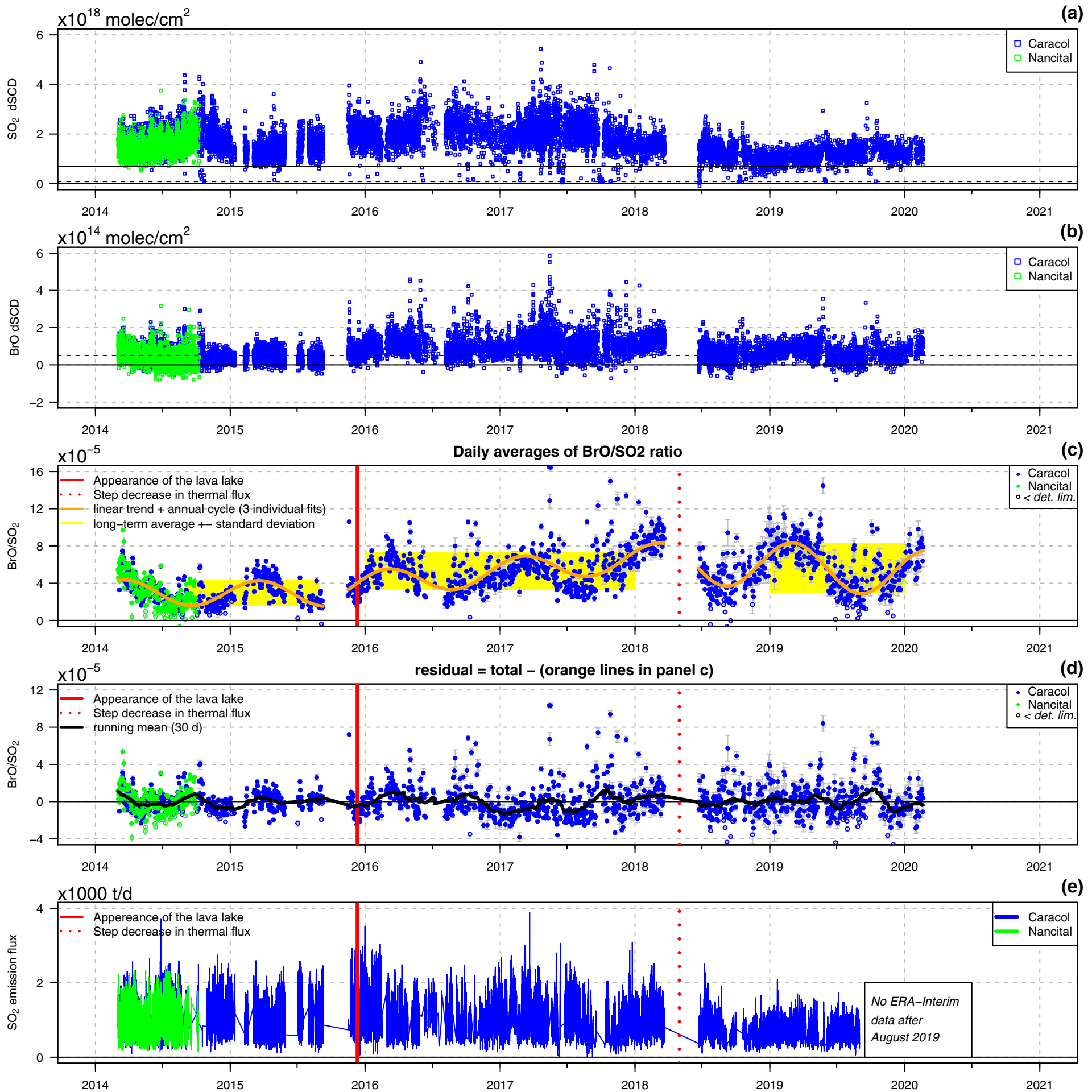
(a)
x10^18 molec/cm^2
SO2 dSCD
Caracol
Nancital
(b)
x10^14 molec/cm^2
BrO dSCD
Caracol
Nancital
(c)
Daily averages of BrO/SO2 ratio
x10^−5
BrO/SO2
Appearance of the lava lake
Step decrease in thermal flux
linear trend + annual cycle (3 individual fits)
long−term average +− standard deviation
Caracol
Nancital
< det. lim.
(d)
residual = total − (orange lines in panel c)
x10^−5
BrO/SO2
Appearance of the lava lake
Step decrease in thermal flux
running mean (30 d)
Caracol
Nancital
< det. lim.
(e)
x1000 t/d
SO2 emission flux
Appereance of the lava lake
Step decrease in thermal flux
Caracol
Nancital
No ERA−Interim data after August 2019
2014
2015
2016
2017
2018
2019
2020
2021