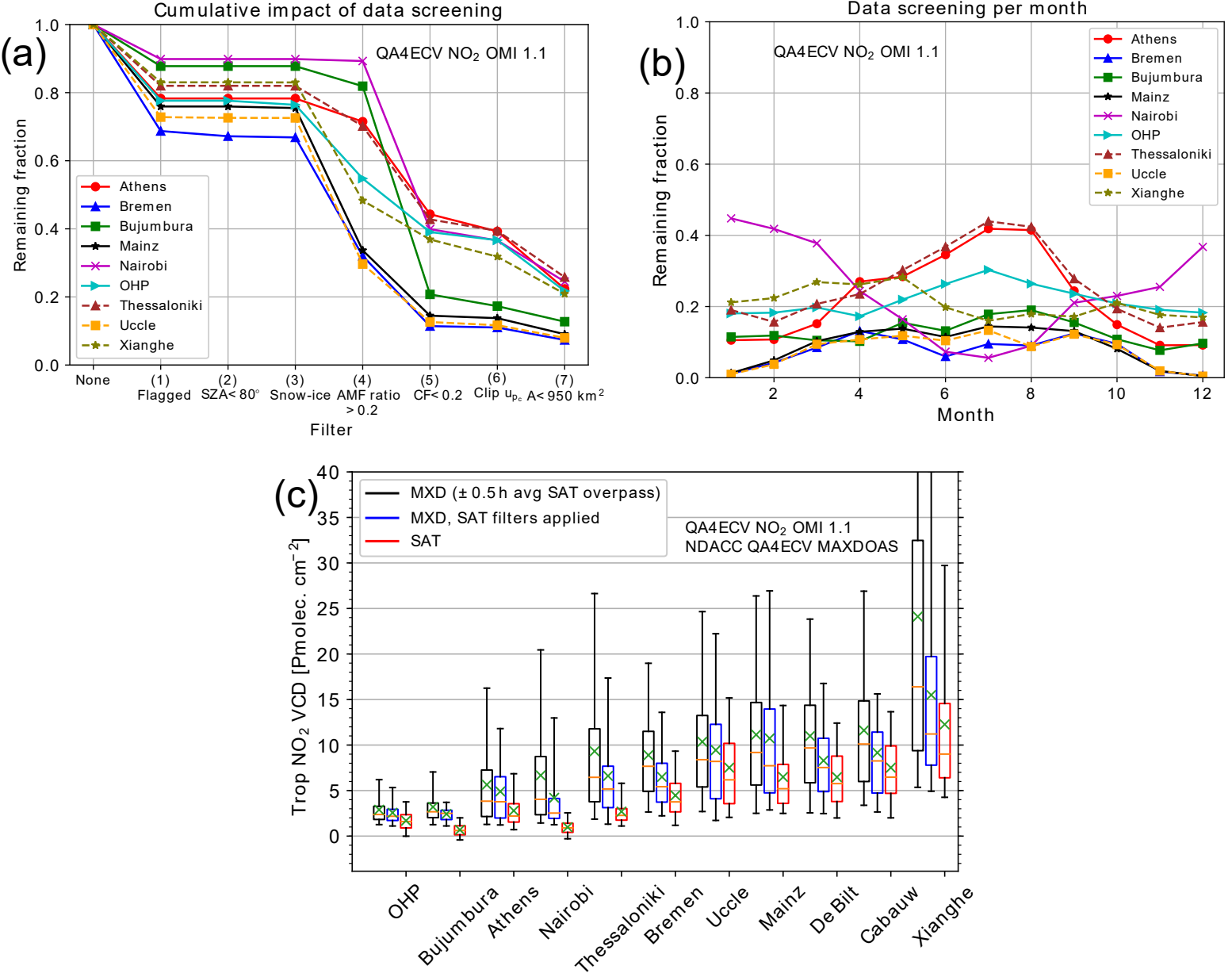
(a)
Cumulative impact of data screening
QA4ECV NO2 OMI 1.1
Remaining fraction
Athens
Bremen
Bujumbura
Mainz
Nairobi
OHP
Thessaloniki
Uccle
Xianghe
None
(1) Flagged
(2) SZA< 80°
(3) Snow-ice
(4) AMF ratio > 0.2
(5) CF< 0.2
(6) Clip upc A< 950 km2
(7)
Filter
(b)
Data screening per month
QA4ECV NO2 OMI 1.1
Remaining fraction
Month
(c)
MXD (± 0.5 h avg SAT overpass)
MXD, SAT filters applied
SAT
QA4ECV NO2 OMI 1.1
NDACC QA4ECV MAXDOAS
Trop NO2 VCD [Pmolec. cm-2]
OHP
Bujumbura
Athens
Nairobi
Thessaloniki
Bremen
Uccle
Mainz
De Bilt
Cabauw
Xianghe