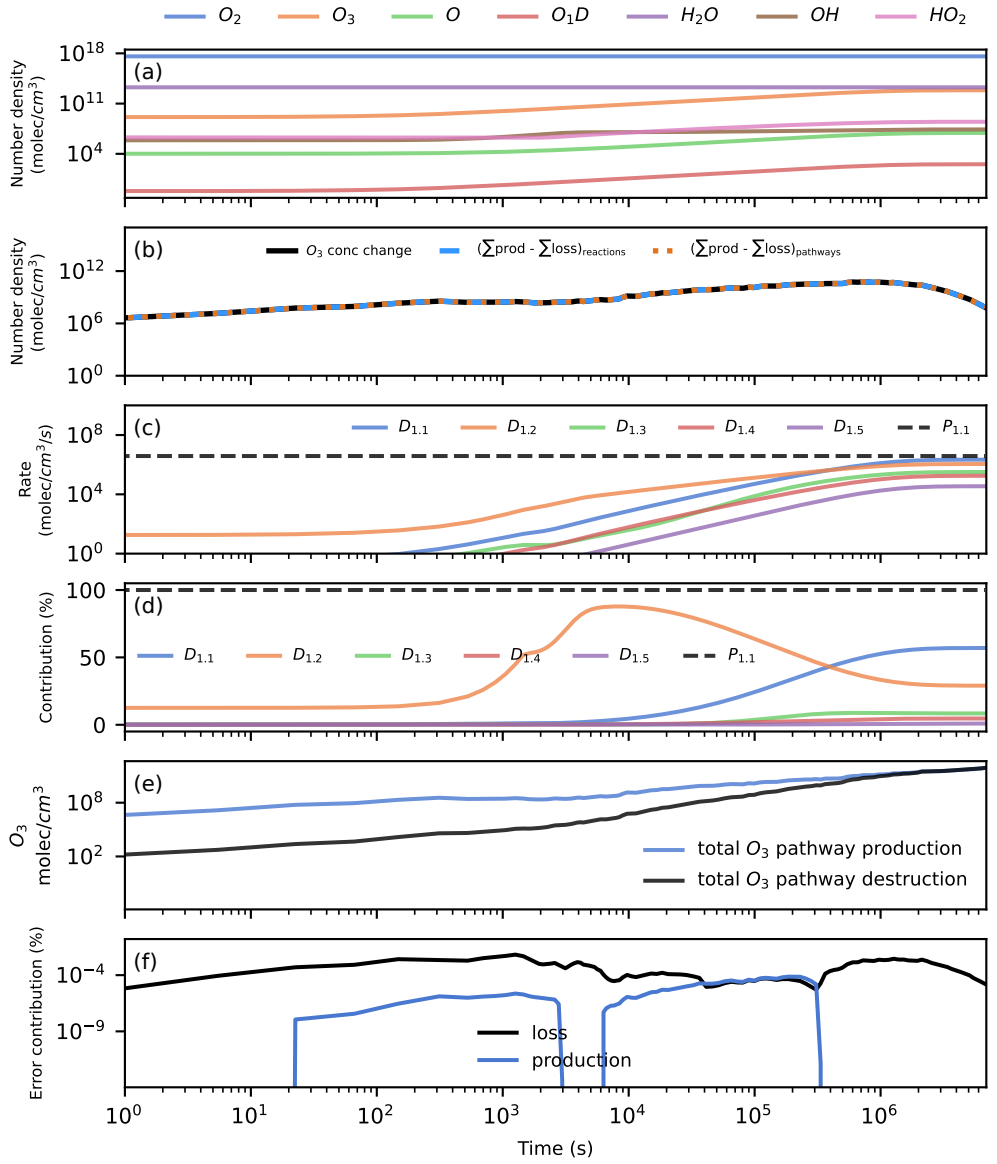
O_2
O_3
O
O_1D
H_2O
OH
HO_2
(a)
Number density (molec/cm^3)
10^{18}
10^{11}
10^4
(b)
O_3 conc change
$(\sum prod - \sum loss)_{reactions}$
$(\sum prod - \sum loss)_{pathways}$
Number density (molec/cm^3)
10^{12}
10^6
10^0
(c)
$D_{1.1}$
$D_{1.2}$
$D_{1.3}$
$D_{1.4}$
$D_{1.5}$
$P_{1.1}$
Rate (molec/cm^3/s)
10^8
10^4
10^0
(d)
Contribution (%)
100
50
0
$D_{1.1}$
$D_{1.2}$
$D_{1.3}$
$D_{1.4}$
$D_{1.5}$
$P_{1.1}$
(e)
O_3 molec/cm^3
10^8
10^2
total O_3 pathway production
total O_3 pathway destruction
(f)
Error contribution (%)
10^{-4}
10^{-9}
loss
production
10^0
10^1
10^2
10^3
10^4
10^5
10^6
Time (s)