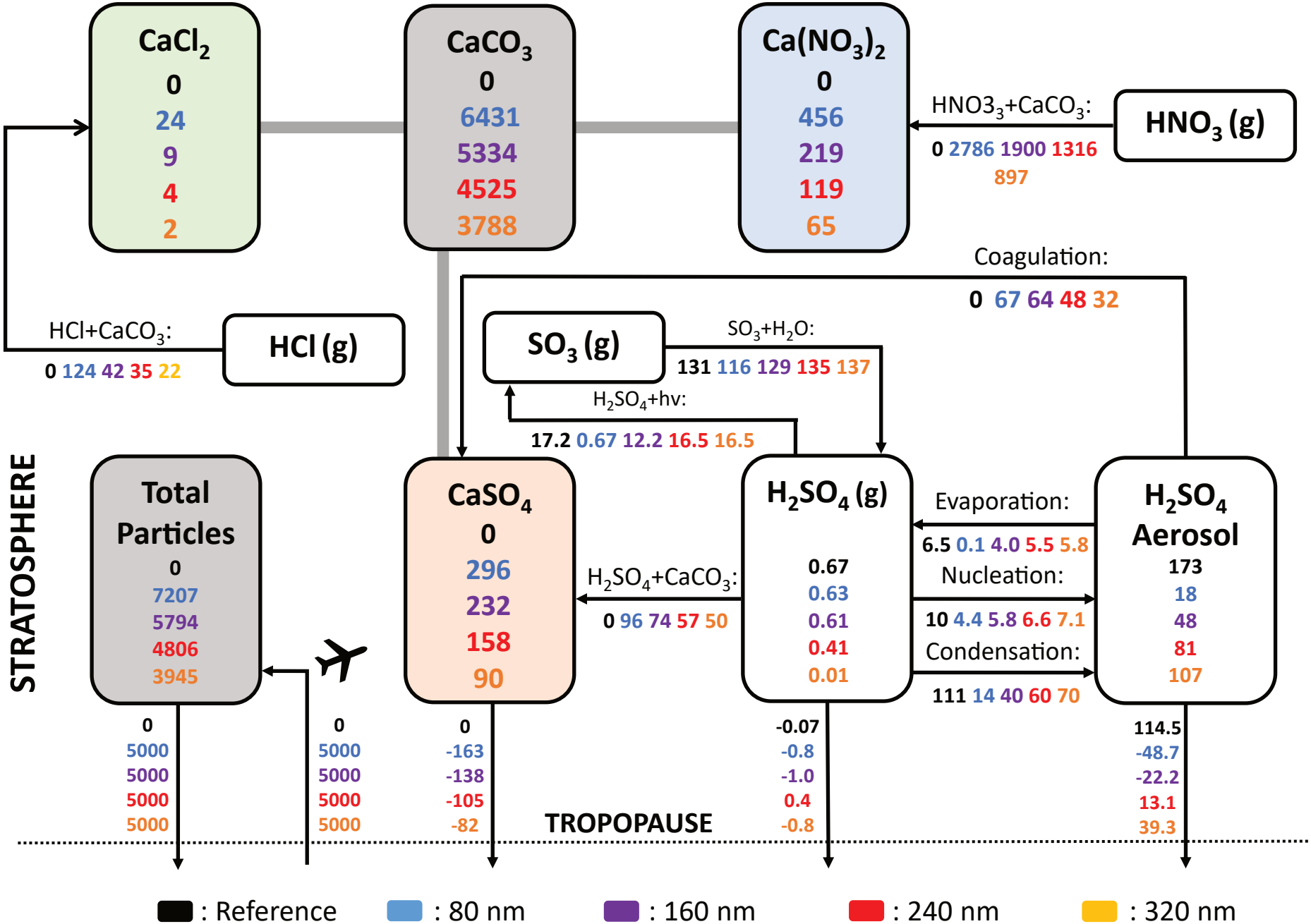
$CaCl_2$
0
24
9
4
2
$CaCO_3$
0
6431
5334
4525
3788
$Ca(NO_3)_2$
0
456
219
119
65
$HNO3_3$+$CaCO_3$:
0 2786 1900 1316
897
HNO_3 (g)
Coagulation:
0 67 64 48 32
HCl+$CaCO_3$:
0 124 42 35 22
HCl (g)
SO_3 (g)
SO_3+H_2O:
131 116 129 135 137
H_2SO_4+hv:
17.2 0.67 12.2 16.5 16.5
STRATOSPHERE
Total Particles
0
7207
5794
4806
3945
$CaSO_4$
0
296
232
158
90
H_2SO_4 (g)
0.67
0.63
0.61
0.41
0.01
Evaporation:
6.5 0.1 4.0 5.5 5.8
Nucleation:
10 4.4 5.8 6.6 7.1
Condensation:
111 14 40 60 70
H_2SO_4 Aerosol
173
18
48
81
107
H_2SO_4+$CaCO_3$:
0 96 74 57 50
0
5000
5000
5000
5000
0
5000
5000
5000
5000
0
-163
-138
-105
-82
-0.07
-0.8
-1.0
0.4
-0.8
114.5
-48.7
-22.2
13.1
39.3
TROPOPAUSE
: Reference
: 80 nm
: 160 nm
: 240 nm
: 320 nm