

Southern Hemisphere Stratosphere

$O_3 > 300$ ppbv
 $CO < 100$ ppbv

~15 km tropopause

Northern Hemisphere Stratosphere

$O_3 > 100$ ppbv
 $CO < 100$ ppbv

Maximum aircraft altitude ~13 km

~8 km tropopause

~12 km tropopause

Free Troposphere

~12 km tropopause

~8 km tropopause

South
Polar

Southern
Midlatitudes

Tropics

Northern
Midlatitudes

North
Polar

Smoke and Dust

MBL height defined
on each profile

-86°

0° Latitude

83°

