

| Region + study | symbol | present | future | emis scenæ | O3 metric | delta O3 | NOTES |
|---|--------|---------|--------|------------|-----------------------|-----------|------------|
| USA, average over entire region | | | | | | | |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | CLE | annual mean | 1.3±2.4 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | MFR | annual mean | -4.9±1.8 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | A2 | annual mean | 4.8±4.5 | Table 2 |
| Fiore et al. 2002 | W | | | A1B | summer afternoon mean | | 4 Table 2 |
| Dentener et al., 2005 | V | | | CLE | | -1 to +6 | Figure 11a |
| Dentener et al., 2005 | V | | | MFR | | -2 to -10 | Figure 11b |
| C Europe | | | | | | | |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | CLE | annual mean | 1.8±1.5 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | MFR | annual mean | -2.8±1.1 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | A2 | annual mean | 3.9±3.8 | Table 2 |
| Szopa et al. 2006 (range over all Europe) | D | 2000 | 2030 | CLE | July mean (Fig 1) | -3 to +4 | Figure 1 |
| Szopa et al. 2006 (range over all Europe) | D | 2000 | 2030 | MFR | July mean (Fig 1) | -4 to +4 | Figure 1 |
| Szopa et al. 2006 (range over all Europe) | D | 2000 | 2030 | A2 | July mean (Fig 1) | -1 to 7.5 | Figure 1 |
| Dentener et al., 2005 | V | | | CLE | | 1 to +6 | Figure 11a |
| Dentener et al., 2005 | V | | | MFR | | -10 to 1 | Figure 11b |
| E ASIA | | | | | | | |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | CLE | annual mean | 3.8±0.7 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | MFR | annual mean | -3.6±0.5 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | A2 | annual mean | 7.7±1.8 | Table 2 |
| Dentener et al., 2005 | V | | | CLE | | 1 to 8 | Figure 11a |
| Dentener et al., 2005 | V | | | MFR | | -2 to -8 | Figure 11b |
| S Asia | | | | | | | |
| Dentener et al. 2006 ES&T, 10 models | A | 2000 | 2030 | CLE | annual mean | 7.2±1.9 | Table 2 |
| Dentener et al. 2006 ES&T, 10 models | A | 2000 | 2030 | MFR | annual mean | -5.9±1.6 | Table 2 |
| Dentener et al. 2006 ES&T, 10 models | A | 2000 | 2030 | A2 | annual mean | 11.8±4.3 | Table 2 |
| Dentener et al., 2005 | V | | | CLE | | 4 to 12 | Figure 11a |
| Dentener et al., 2005 | V | | | MFR | | -1 to -6 | Figure 11b |

SAMERICA

| | | | | | | | |
|--|---|------|------|-----|-------------|----------|------------|
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | CLE | annual mean | 0.5±2. | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | MFR | annual mean | -2.4±2.3 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | A2 | annual mean | 5.7±2.7 | Table 2 |
| Dentener et al., 2005 | V | | | CLE | | -2 to 2 | Figure 11a |
| Dentener et al., 2005 | V | | | MFR | | 0 to -6 | Figure 11b |

GLOBAL

| | | | | | | | |
|--|---|------|------|-----|-------------------------|----------|---------------|
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | CLE | annual mean | 1.5±1.2 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | MFR | annual mean | -2.3±1.1 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | A2 | annual mean | 4.3±2.2 | Table 2 |
| Fiore e tal. 2008 (transient) | T | 2000 | 2030 | CLE | annual mean MDA8 | | 1.8 text p.7 |
| West et al., PNAS 2006 | U | 2000 | 2030 | A2 | annual mean | | 4.5 Table 2 |
| Unger et al. JGR 2006 | Q | 2000 | 2030 | A1B | annual sfc O3 (Table 4) | | 4.66 Table 4 |
| Unger et al. JGR 2006 | Q | 2000 | 2030 | B1 | annual sfc O3 (Table 4) | | 1.17 Table 4 |
| Unger et al. JGR 2006 | Q | 2000 | 2030 | CLE | annual sfc O3 (Table 4) | | 1.42 Table 4 |
| Unger et al. JGR 2006 | Q | 2000 | 2030 | MFR | annual sfc O3 (Table 4) | | -1.65 Table 4 |

NH

| | | | | | | | |
|---|---|-------|-------|-----|--------------------|----------|------------|
| Dentener et al. 2005 (transient; 2020-2030 avg) | V | 2000s | 2020s | MFR | annual decadal avg | -5 | p. 1745 |
| Dentener et al. 2005 (transient; 2020-2030 avg) | V | 2000s | 2020s | CLE | annual decadal avg | | 5 Abstract |
| Dentener et al. 2006 ES&T, 10 models | A | 2000 | 2030 | CLE | annual mean | 2.3±0.5 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | MFR | annual mean | -2.9±0.6 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | A2 | annual mean | 5.9±2.1 | Table 2 |

SH

| | | | | | | | |
|--|---|------|------|-----|-------------|----------|---------|
| Dentener et al. 2006 ES&T, 10 models | A | 2000 | 2030 | CLE | annual mean | 0.6±2.1 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | MFR | annual mean | -1.7±2.3 | Table 2 |
| Dentener et al. 2006 (ES&T; 26 models) | A | 2000 | 2030 | A2 | annual mean | 2.7±2.6 | Table 2 |

Global + HTAP regions

Wild et al. 2012

C

2000 2050 All

annual mean

Figure 8