O<sub>3</sub> 0.5 0.05 0.95 ern and Central E 100 Europe 0 -100Southern Europe 20 Number of Time Series Europe 0 -20 stern and Central ted States of Ame 50 -50 ted States of Ame stern US and Hav 50 25 0 -25 -50 2005 2010 2020 2020 2015 2005 2010 2015 2005 2010 2015 2020 year p <= 0.05 (inc) 0.05 < p <= 0.10 (inc) 0.10p > 0.33 (inc) p <= 0.05 (dec) 0.05 < p <= 0.10 (dec) 0.10p > 0.33 (dec)

NO<sub>2</sub> 0.05 0.5 0.95 ern and Central E 0 Europe -100-200 -300Southern Europe Number of Time Series Europe -30 -60 -90 20 stern and Central ted States of Ame 0 -20 -40 -60 ted States of Ame stern US and Hav 0 -20 -40 2005 2010 2015 2020 2015 2010 2015 2005 2010 2020 2005 2020 year p <= 0.05 (inc) 0.05 (inc)0.10p > 0.33 (inc) p <= 0.05 (dec)

0.05

0.10

p > 0.33 (dec)

O<sub>x</sub> 0.05 0.5 0.95 ern and Central E 50 0 Europe -50 -100 -150 Southern Europe 10 Number of Time Series Europe 0 -10 -20 -30 stern and Central ted States of Ame 5 0 -5 -10-15 ted States of Ame stern US and Hav 10 0 -10-20 -30 2005 2010 2015 2020 2015 2020 2005 2010 2005 2010 2015 2020 year p <= 0.05 (inc) 0.05 (inc)0.10p > 0.33 (inc) p <= 0.05 (dec) 0.050.10p > 0.33 (dec)