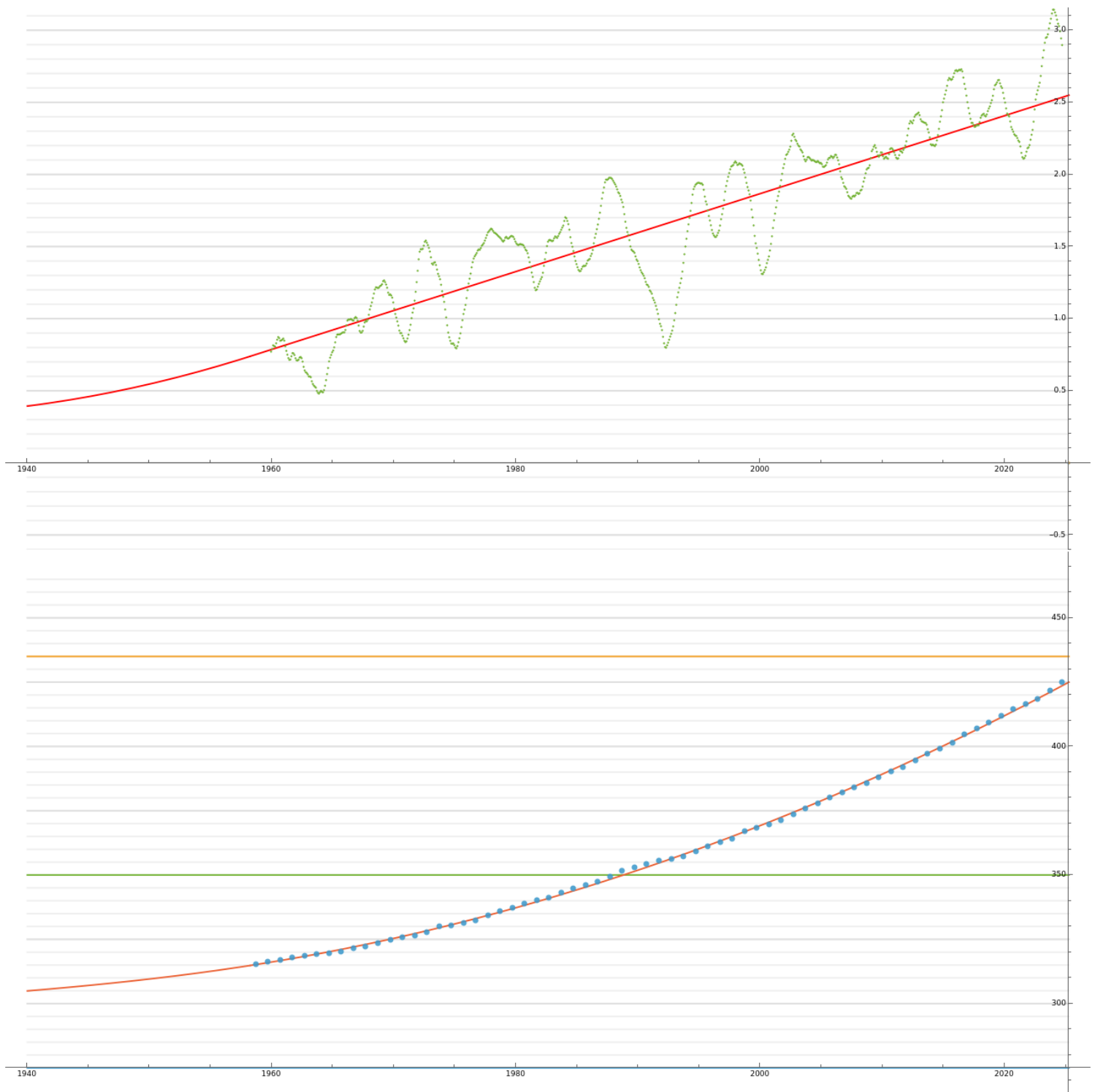
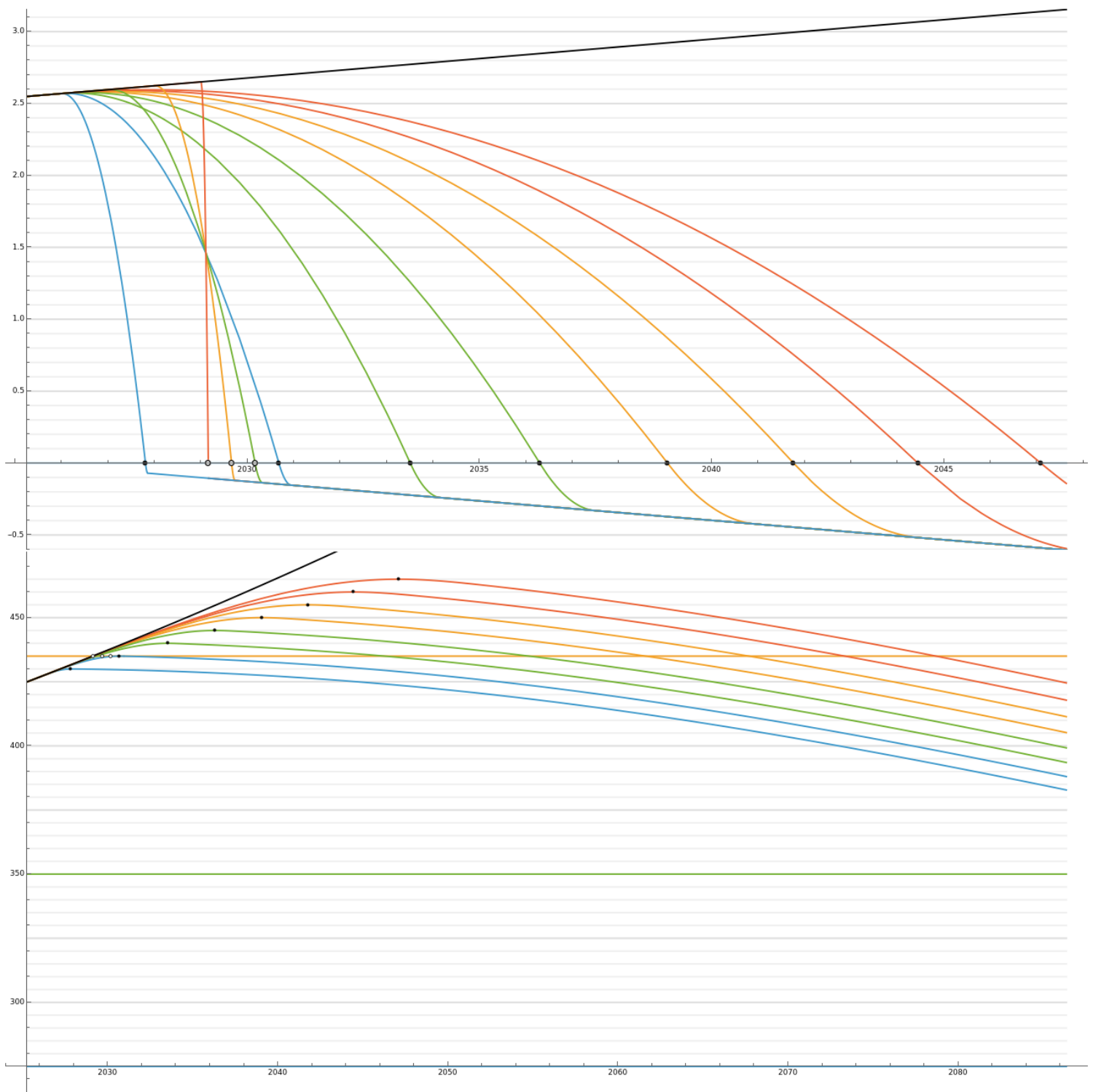




In tables on subsequent pages, the format is—

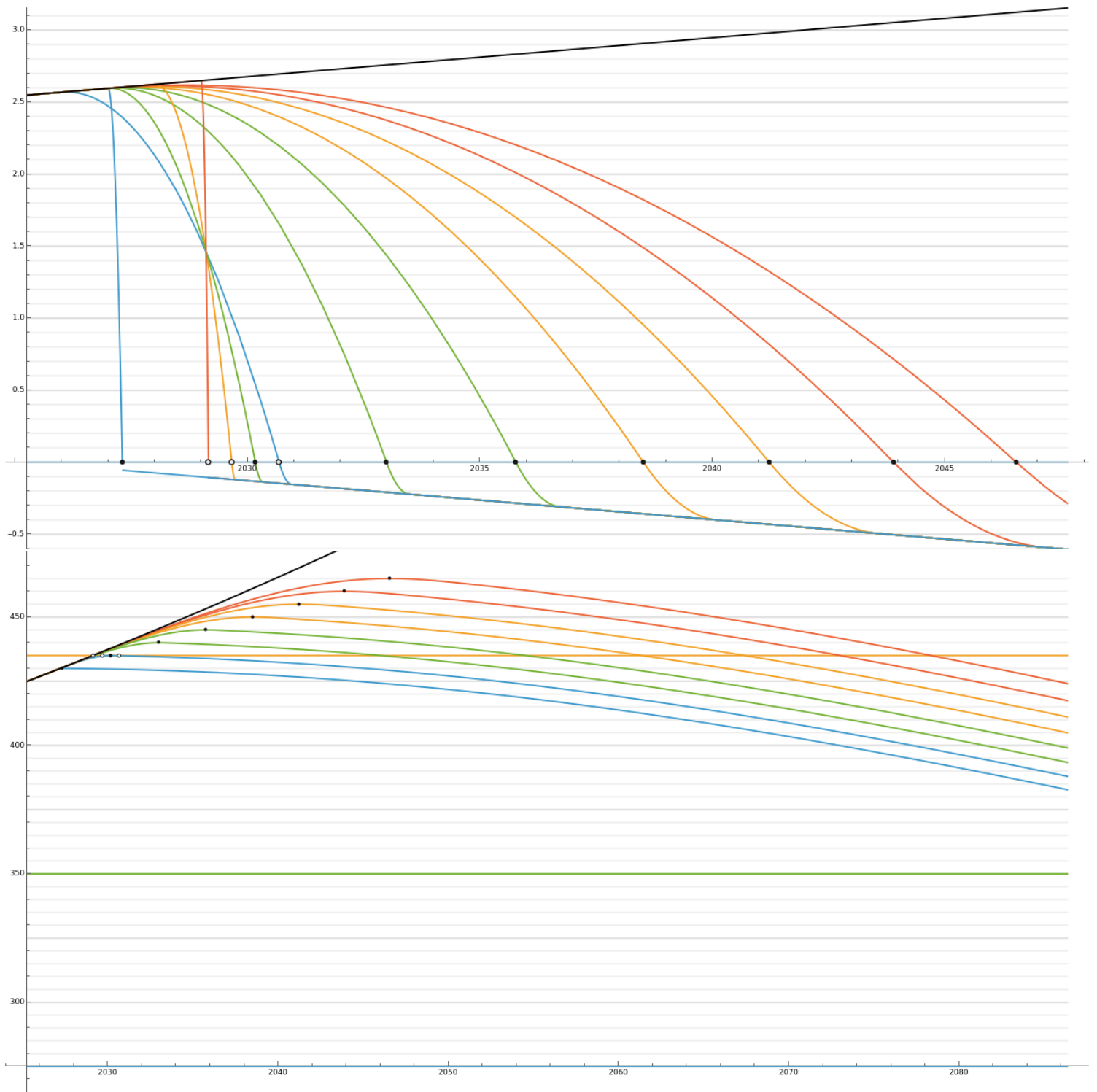
— peak CO<sub>2</sub> cumulative concentration,  
 necessary Net Zero date under parabolic-cubic  $d^2/dt^2$  continuous form  
 (interval between start-date and Net Zero date),  
 necessary average emissions change-rate  
 (deviation (standard 0.15683 PPM/year<sup>2</sup>) from historical mean (0.02702 PPM/year<sup>2</sup>) of the Keeling curve  $d^2/dt^2$ ).  
Early joining nations should target a Net Zero date BEFORE that listed for the chosen target peak, to try to counterweigh the late joiners; and should follow linear-parabolic  $d^2/dt^2$  discontinuous.

A peak may be considered *practically precluded*, if the necessary average emissions change-rate is below -2 SD. The soonest peak above -2 SD, for a given start-date, should be the chosen target, and will be starred (\*).



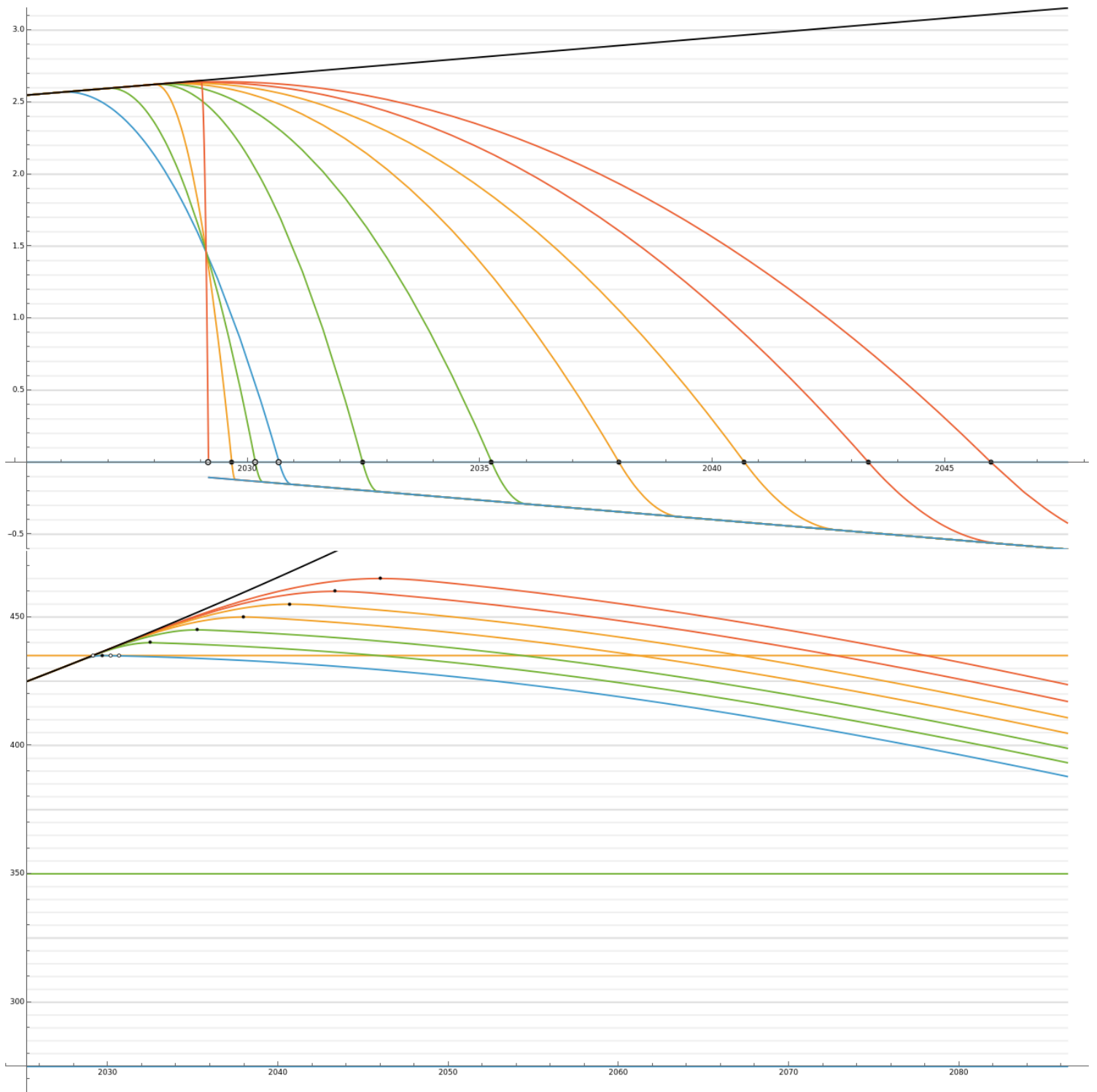
For start-date 2026 Jan 1 (2.570 PPM/year, 8.97 year at -2 SD)—

- 430 PPM, 2027 Oct 22 (1.80 year), -1.42304 PPM/year<sup>2</sup> (-9.25 SD);
- 435 PPM, 2030 Sept 5 (4.67 year), -0.54931 PPM/year<sup>2</sup> (-3.68 SD);
- 440 PPM, 2033 July 4 (7.50 year), -0.34233 PPM/year<sup>2</sup> (-2.36 SD);
- 445 PPM, 2036 Apr 17 (10.29 year), -0.24964 PPM/year<sup>2</sup> (-1.77 SD);\*
- 450 PPM, 2039 Jan 17 (13.04 year), -0.19698 PPM/year<sup>2</sup> (-1.43 SD);
- 455 PPM, 2041 Oct 4 (15.75 year), -0.16307 PPM/year<sup>2</sup> (-1.22 SD);
- 460 PPM, 2044 June 8 (18.43 year), -0.13938 PPM/year<sup>2</sup> (-1.07 SD);
- 465 PPM, 2047 Jan 30 (21.08 year), -0.12190 PPM/year<sup>2</sup> (-0.95 SD).



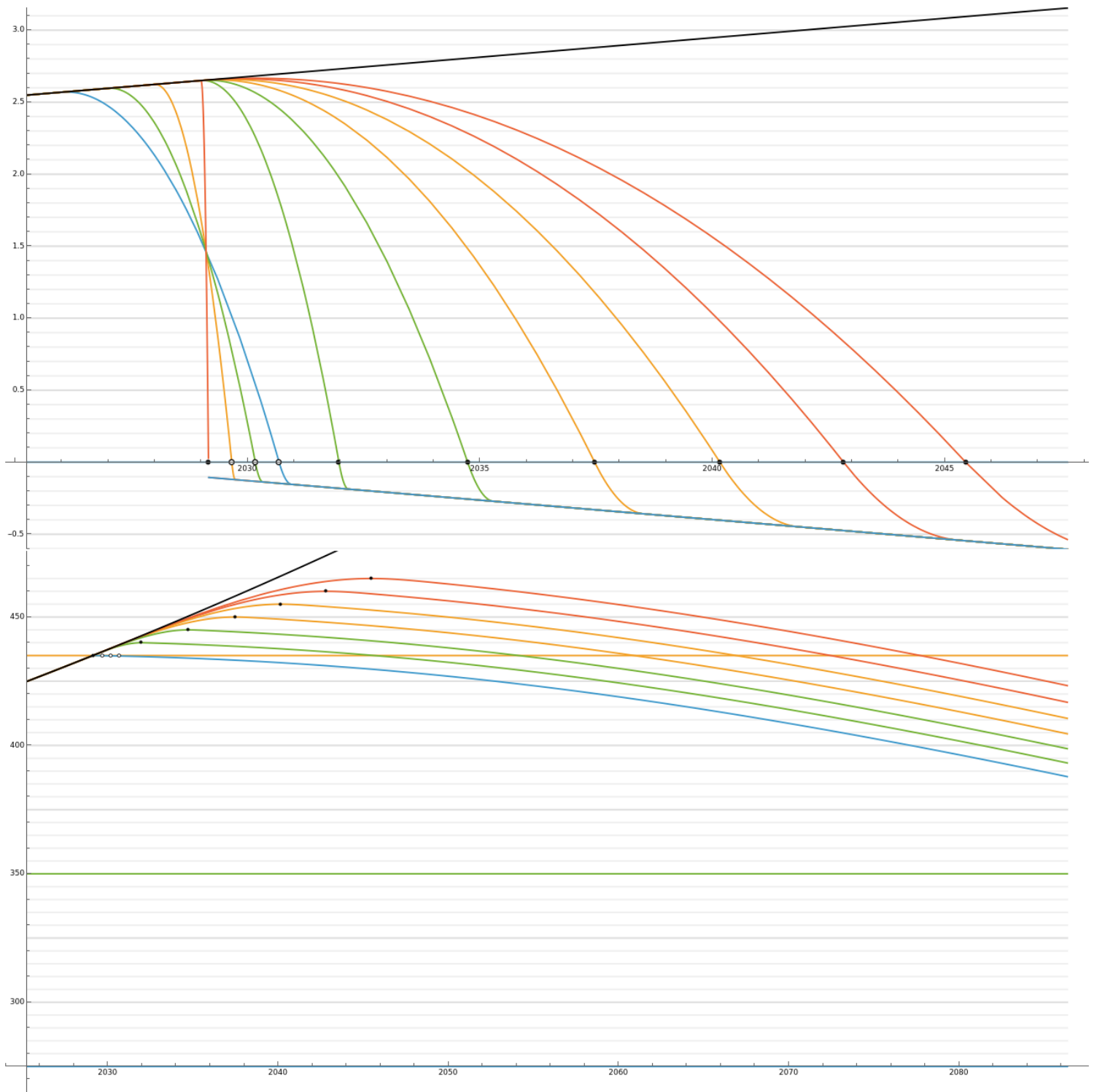
For start-date 2027 Jan 1 (2.597 PPM/year, 9.06 year at -2 SD)—

- 430 PPM, 2027 Apr 22 (0.30 year), -8.52461 PPM/year<sup>2</sup> (-54.53 SD);
- 435 PPM, 2030 Mar 2 (3.16 year), -0.82021 PPM/year<sup>2</sup> (-5.41 SD);
- 440 PPM, 2032 Dec 27 (5.98 year), -0.43359 PPM/year<sup>2</sup> (-2.94 SD);
- 445 PPM, 2035 Oct 9 (8.77 year), -0.29607 PPM/year<sup>2</sup> (-2.07 SD);
- 450 PPM, 2038 July 7 (11.51 year), -0.22552 PPM/year<sup>2</sup> (-1.62 SD);\*
- 455 PPM, 2041 Mar 22 (14.22 year), -0.18258 PPM/year<sup>2</sup> (-1.34 SD);
- 460 PPM, 2043 Nov 23 (16.89 year), -0.15370 PPM/year<sup>2</sup> (-1.16 SD);
- 465 PPM, 2046 July 14 (19.53 year), -0.13294 PPM/year<sup>2</sup> (-1.02 SD).



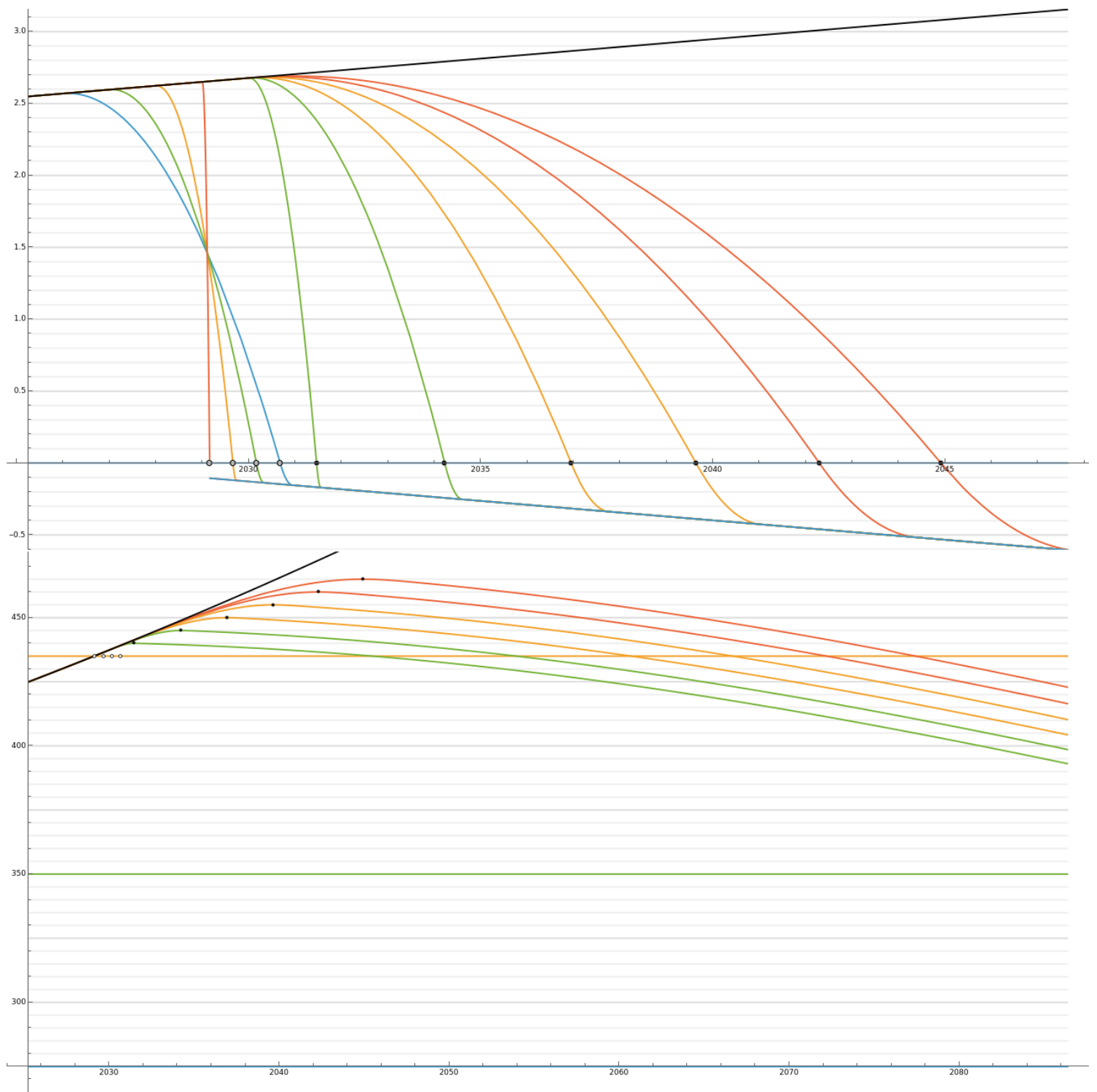
For start-date 2028 Jan 1 (2.624 PPM/year, 9.16 year at -2 SD)—

- 430 PPM overshoot;
- 435 PPM, 2029 Aug 29 (1.65 year), -1.58124 PPM/year<sup>2</sup> (-10.26 SD);
- 440 PPM, 2032 June 22 (4.47 year), -0.58644 PPM/year<sup>2</sup> (-3.92 SD);
- 445 PPM, 2035 Apr 2 (7.24 year), -0.36187 PPM/year<sup>2</sup> (-2.48 SD);
- 450 PPM, 2037 Dec 27 (9.98 year), -0.26268 PPM/year<sup>2</sup> (-1.85 SD);\*
- 455 PPM, 2040 Sept 8 (12.68 year), -0.20679 PPM/year<sup>2</sup> (-1.50 SD);
- 460 PPM, 2043 May 10 (15.35 year), -0.17087 PPM/year<sup>2</sup> (-1.27 SD);
- 465 PPM, 2045 Dec 27 (17.98 year), -0.14585 PPM/year<sup>2</sup> (-1.11 SD).



For start-date 2029 Jan 1 (2.651 PPM/year, 9.25 year at -2 SD)—

- 430 PPM overshoot;
- 435 PPM, 2029 Febr 27 (0.15 year), -16.76361 PPM/year² (-107.07 SD);
- 440 PPM, 2031 Dec 19 (2.96 year), -0.89412 PPM/year² (-5.88 SD);
- 445 PPM, 2034 Sept 25 (5.73 year), -0.46238 PPM/year² (-3.13 SD);
- 450 PPM, 2037 June 19 (8.46 year), -0.31313 PPM/year² (-2.17 SD);
- 455 PPM, 2040 Febr 28 (11.15 year), -0.23753 PPM/year² (-1.69 SD);\*
- 460 PPM, 2042 Oct 27 (13.81 year), -0.19179 PPM/year² (-1.40 SD);
- 465 PPM, 2045 June 12 (16.44 year), -0.16117 PPM/year² (-1.20 SD).



For start-date 2030 Jan 1 (2.678 PPM/year, 9.35 year at -2 SD)—

- 430 PPM overshoot;
- 435 PPM overshoot;
- 440 PPM, 2031 June 18 (1.46 year), -1.83312 PPM/year<sup>2</sup> (-11.87 SD);
- 445 PPM, 2034 Mar 22 (4.22 year), -0.63443 PPM/year<sup>2</sup> (-4.22 SD);
- 450 PPM, 2036 Dec 11 (6.94 year), -0.38556 PPM/year<sup>2</sup> (-2.64 SD);
- 455 PPM, 2039 Aug 20 (9.63 year), -0.27795 PPM/year<sup>2</sup> (-1.95 SD);\*
- 460 PPM, 2042 Apr 16 (12.28 year), -0.21789 PPM/year<sup>2</sup> (-1.57 SD);
- 465 PPM, 2044 Nov 28 (14.90 year), -0.17960 PPM/year<sup>2</sup> (-1.32 SD).