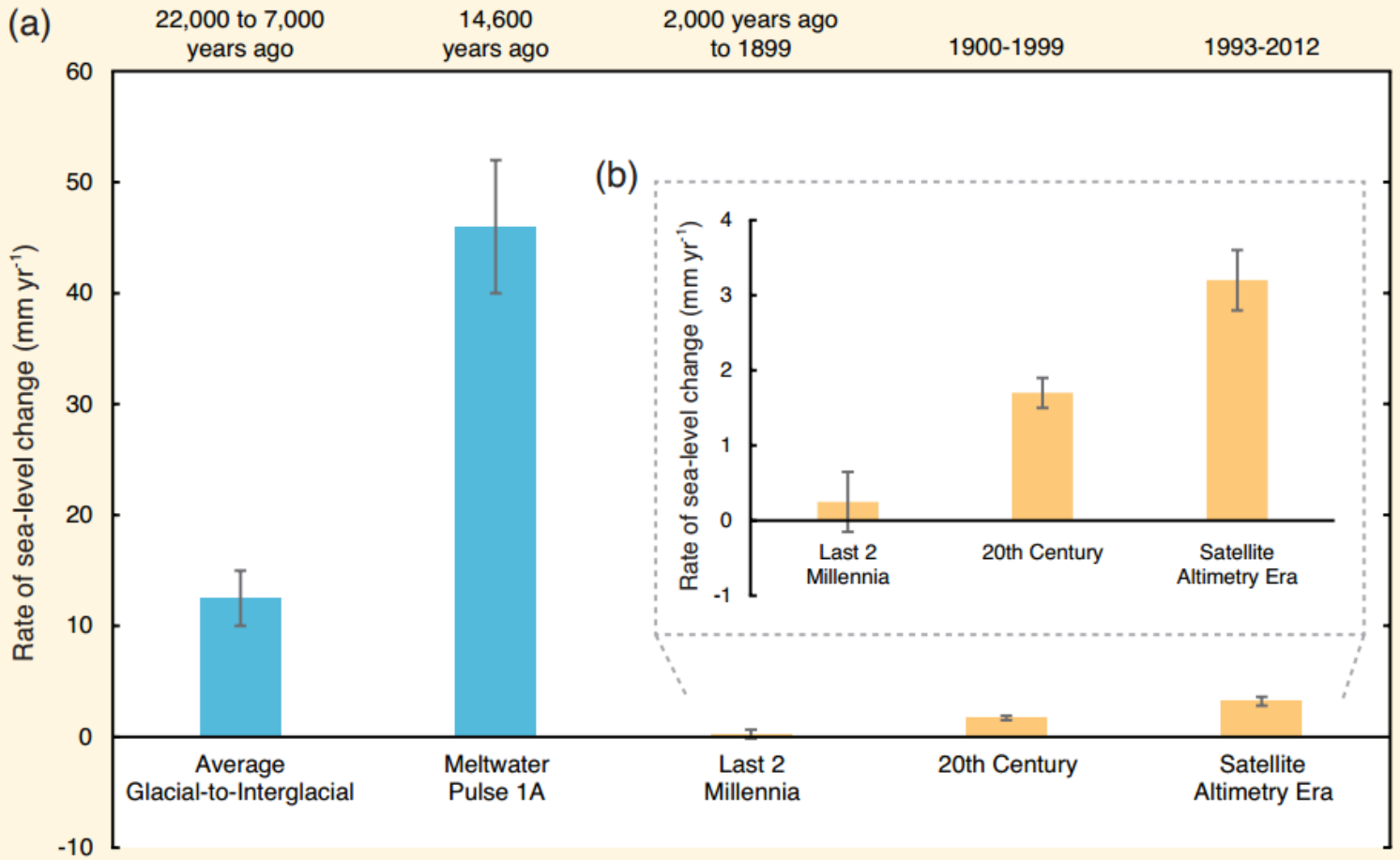
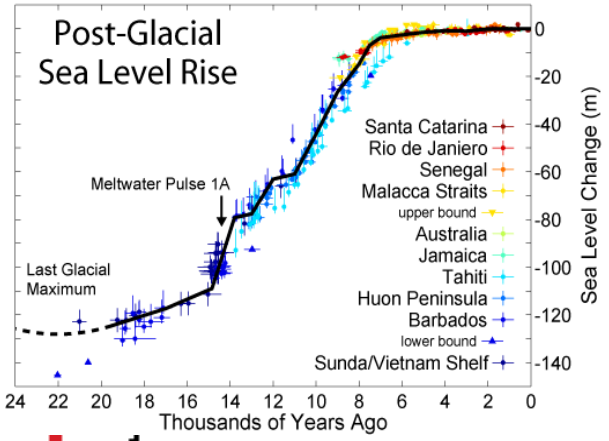
Q1: Sea level was stable during last several thousand years; Recent acceleration is dramatic

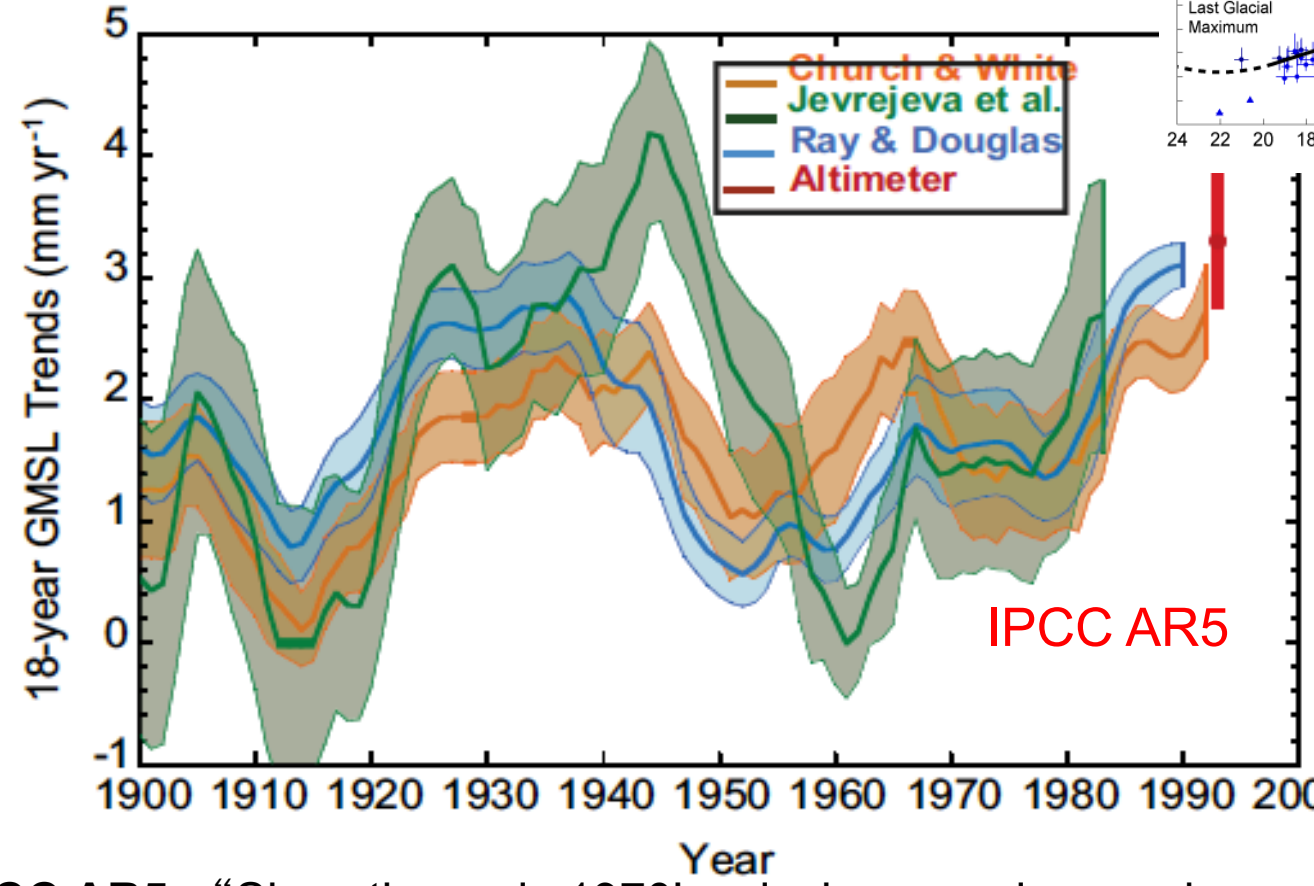


FAQ 5.2, Figure 1 | (a) Estimates of the average rate of global mean sea level change (in mm yr^{-1}) for five selected time intervals: last glacial-to-interglacial transition; Meltwater Pulse 1A; last 2 millennia; 20th century; satellite altimetry era (1993–2012). Blue columns denote time intervals of transition from a glacial to an interglacial period, whereas orange columns denote the current interglacial period. Black bars indicate the range of likely values of the average rate of global mean sea level change. Note the overall higher rates of global mean sea level change characteristic of times of transition between glacial and interglacial periods. (b) Expanded view of the rate of global mean sea level change during three time intervals of the present interglacial.

IPCC AR5 WG1

Is the IPCC's sea level rise conclusion justified?





* (2.4)
(2003-2011)

IPCC AR5: "Since the early 1970's, glacier mass loss and ocean thermal expansion from warming together explain about 75% of the observed global sea level rise (high confidence)"

Confounding factors:

- Geological sinking/rising
- Ground water withdrawal
- River engineering

with arrows representing the direction and magnitude of change. Click on an arrow to access additional information about that s

Sea Level Trends
mm/yr (feet/century)

15 to 21 (5 to 7)	6 to 9 (2 to 3)	-3 to 0 (-1 to 0)	-12 to -9 (-4 to -3)
12 to 15 (4 to 5)	3 to 6 (1 to 2)	-6 to -3 (-2 to -1)	-15 to -12 (-5 to -4)
9 to 12 (3 to 4)	0 to 3 (0 to 1)	-9 to -6 (-3 to -2)	-18 to -15 (-6 to -5)