


Indicator	Annual 2018 	5 year 2014-2018	10 year 2009-2018	10 year 2006-2015 ¹	Other
Global Temperature (change from pre-industrial, 1850-1900)	0.98±0.12°C	1.04±0.09°C	0.93±0.07°C	0.87°C	
GHG					
- CO2 (ppm, data to 2017)	(2017) 405.5±0.1 ppm	(2013-17) 400.5 ppm	(2008-2017) 394.7 ppm	(2006-2015) 390.3 ppm	
- CO2 (rate of increase)	(2016) 2.2 ppm/yr	(2012-16) 2.5 ppm/yr	(2007-2016) 2.2 ppm/yr	(2006-2015) 2.1 ppm/yr	
Cryosphere					
- March Arctic Sea ice change % wrt 1981-2010	-7.4%	-6.7%	-5.2%	-3.9%	
- September Arctic Sea ice change %	-27.7%	-26.6%	-27.5%	-25.1%	
- March Antarctic Sea ice change %	-20.3%	-4.9%	-3.8%	+1.5%	
- September Antarctic Sea ice change %	-4.8%	-2.1%	-0.6%	+0.9%	
Sea Level					
- Global average rate/year	n/a ²	4.5±0.3 mm/yr	4.6±0.15 mm/yr	3.8±0.1 mm/yr	3.1±0.1 mm/yr (1993-2017)
- Total change since 1993	78mm	70mm (2015)	60mm (2014)	42mm (2009)	
- SE-Asia rate per year					4.5±0.4 mm/yr (1993-2017)
- Caribbean rate per year					2.9±0.2 mm/yr (1993-2017)
Heat Content					
- 700 meters (10 ²² J wrt 1981-2010)	12.8	11.1	9.1	7.4	
- 2000 meters (10 ²² J wrt 1981-2010)	18.2	16.5	13.2	10.2	
Ocean Acidification					

¹ The period 2006-2015 is used here as this period was used in the IPCC SR15

² A sea-level rate is not provided for 2018 as a single year is too short for the calculation of a reliable trend.

pH from open ocean stations HOTS and BATS, annual decrease (data up to 2016)					1995-2016 0.001-0.002
Extreme Events	List by casualties		List by economic losses		Other
	Kerala Floods, India (August)		Hurricane Florence, USA (September)		Campfire wildfire, USA (November)
	Floods, Japan (July)		Floods, Japan (July)		
	Floods, Nigeria (September/October)		European Drought (Summer)		
	Pakistan Heatwave (May)		Kerala Floods, India (August)		
	Floods DPR Korea (August)		Drought Argentina/Uruguay		