

# AIAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 1/22/2022

Weekly Status, D. Yazell, AIAA

Table of Contents (TOC) (Click)

The Starry Night, 1889, Vincent van Gogh.  
Image credits:



Views expressed in this document are the opinions of the author and do not necessarily reflect the views of AIAA.)

**Patrick Greenfield**

Twitter: @pgreenfielduk

Thu 20 Jan 2022 06:40 EST

**The age of extinction Coral**

## 'Like a work of art': rare stretch of pristine coral reef discovered off Tahiti

Scientists say find shows importance of mapping deep ocean where coral can escape effects of global heating

**The Guardian**  
For 200 years



**The Guardian**  
For 200 years

**Damian Carrington** *Environment editor*

Twitter: @dpcarrington

Tue 18 Jan 2022 03:00 EST

**Pollution**

## Chemical pollution has passed safe limit for humanity, say scientists

Study calls for cap on production and release as pollution threatens global ecosystems upon which life depends

This weekly document, my status report, is published here. The full link is:  
[www.aiaahouston.org/history\\_technical\\_committee/#news](http://www.aiaahouston.org/history_technical_committee/#news)

Slide 2-**Diversity**

Slide 3-**Climate**-"... net zero ... by 2050 requires the ultimate sense of urgency." [AIAA, April 2021]

Slide 4-AIAA Houston Section International Activities Committee (IAC)

Slide 5-AIAA Houston Section **France**-USA Sister Sections

Slide 6-AIAA Houston Section **Ethiopia**-USA Sister Sections

Slide 7-AIAA Houston Section **Peru**-USA Sister Sections

Slide 8-**Mexico**-AIAA Region IV is Mexico, Texas, Oklahoma, Arkansas, and New Mexico

Slide 9-Mexico

Slide 10-AIAA Houston Section **History** technical committee

**Steven Morris**

Twitter: @stevenmorris20

Thu 20 Jan 2022 10:02 EST

**The Guardian**  
For 200 years

**Dogs**

## Stranded dog saved from rising tide after rescuers attach sausage to drone

Team in Hampshire ties sausage to drone as 'last resort' to rescue Millie the jack russell from mudflats



# Goals and Objectives



GOAL 1: DIVERSITY AND INCLUSION ARE WIDELY RECOGNIZED WITHIN THE AIAA COMMUNITY AS ESSENTIAL TO THE MISSION AND VISION OF THE INSTITUTE.

OBJECTIVE 1:  
Increase awareness within the AIAA community of the importance of diversity and inclusion.

The 2021-2023 AIAA Diversity Plan

TOC

Diversity

US news

**‘Our job is to present the truth’: the Texas principal caught in a ‘critical race theory’ firestorm**

James Whitfield, PhD, shared a heartfelt letter to students following George Floyd’s death. Then, he was disciplined and placed on leave

Andrew Lawrence

by @by\_drew

Thu 13 Jan 2022 04:00 EST



US Senate

**Mitch McConnell’s viral Black voter comments cause widespread furor**

Republican Senate minority leader’s comments came after party members blocked voting rights bill and changes to filibuster rule

Joan E Greve in Washington

by @joanegreve

Thu 20 Jan 2022 17:05 EST



TOC

Climate

America's dirty divide Climate crisis

## 'Extraordinarily warm': winter is fastest-heating season in most of US

Aliya Uteuova

Wed 12 Jan 2022 05:00 EST

Rapidly warming winters are bad news for biodiversity, water supply and farm yield, experts say

The Guardian  
For 200 years

Duplicated, enlarged, and studied on two later charts

Climate crisis

## Nearly quarter of world's population had record hot year in 2021, data shows

Oliver Milman

@olliemilman

Thu 13 Jan 2022 12:15 EST

- Last year was sixth hottest ever recorded, scientists find
- World 'warmer now than at any time in the past 2,000 years'

Climate crisis

## Six in 10 Americans 'alarmed' or 'concerned' about climate change - study

Maya Yang

Thu 13 Jan 2022 05:00 EST

New report finds 'alarmed' group doubled in size over five years, while only two in 10 Americans are 'doubtful' or 'dismissive'

The Guardian  
For 200 years

Climate crisis

## Global heating linked to early birth and damage to babies' health, scientists find

Damian Carrington Environment editor

@dpcarrington

Sat 15 Jan 2022 03:00 EST

Exclusive: Studies show high temperatures and air pollution during pregnancy can cause lifelong health effects

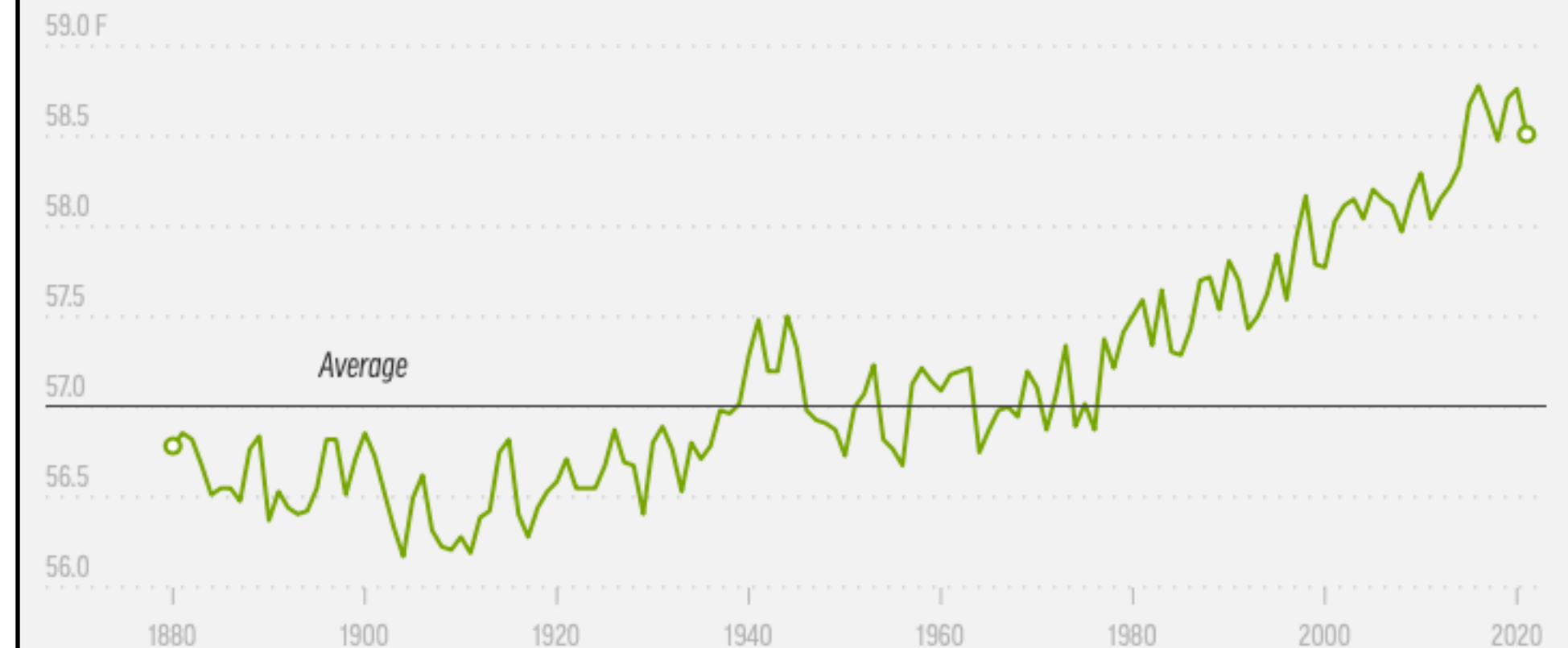
AP AP NEWS

## The heat stays on: Earth hits 6th warmest year on record

By SETH BORENSTEIN January 13, 2022

### 2021 was the sixth hottest year on record globally

Chart shows annual average temperatures in degrees Fahrenheit. 20th century average is 57 degrees Fahrenheit



Source: U.S. National Oceanic and Atmospheric Administration

See more AP climate coverage at <https://apnews.com/hub/climate>.

Dec. 2020: Columbia University Reports Observed Acceleration in Global Warming:

"Abstract: Record global temperature in 2020, despite a strong La Niña in recent months, reaffirms a global warming acceleration that is too large to be unforced noise – it implies an increased growth rate of the total global climate forcing and Earth's energy imbalance. Growth of measured forcings (greenhouse gases plus solar irradiance) decreased during the period of increased warming, implying that atmospheric aerosols probably decreased in the past decade. There is a need for accurate aerosol measurements and improved monitoring of Earth's energy imbalance."

November 2020 was the warmest November in the period of instrumental data, thus jumping 2020 ahead of 2016 in the 11-month averages. December 2016 was relatively cool, so it is clear that 2020 will slightly edge 2016 for the warmest year, at least in the GISTEMP analysis. The rate of global warming accelerated in the past 6-7 years (Fig. 2). The deviation of the 5-year (60 month) running mean from the linear warming rate is large and persistent; it implies an increase in the net climate forcing and Earth's energy imbalance, which drive global warming."

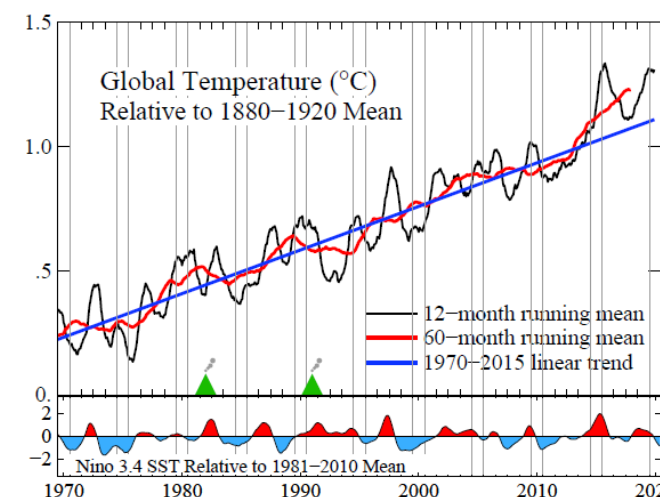
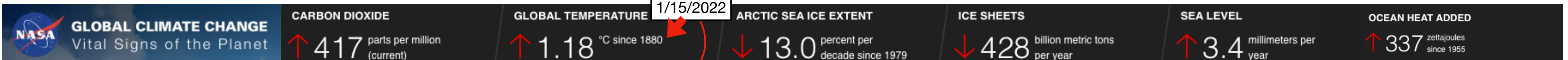


Fig. 2. Global temperature and Niño3.4 Index through November 2020.

Columbia U "Global Warming Acceleration" (Hansen & Sato) published & accessed December 14, 2020

1/15/2022



GLOBAL TEMPERATURE  
↑ 1.01 °C since 1880 0.85 - (-0.16) 1/20/2022<sup>3</sup>

[Downloaded Thursday, January 20, 2022]



# AIAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 1/22/2022

France

Ethiopia

Peru

TOC

## AIAA Houston Section sister sections

France-USA: [www.3af-mp.fr](http://www.3af-mp.fr)

France: Francis Guimera, preceded by Alain Chevalier

Houston: Douglas Yazell

AIAA Houston Section International Activities Committee (IAC)

Chair: Douglas Yazell, [douglas.yazell@me.com](mailto:douglas.yazell@me.com)

Ethiopia-USA:

Ethiopia: Tulu Besha Bedada, PhD and Berhan Gessesse, PhD

Houston: Thomas Haregot

Peru-USA:

Houston: Jackelynne Silva-Martinez

Peru: Julio Valdivia, Saul Perez

[alain.chevalier31@yahoo.fr](mailto:alain.chevalier31@yahoo.fr)

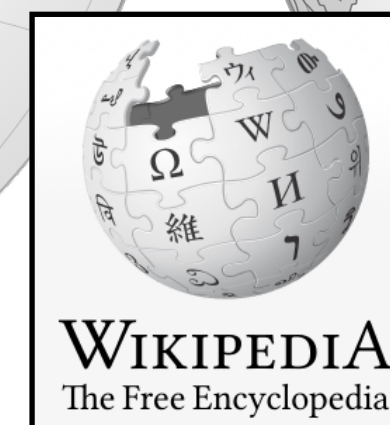
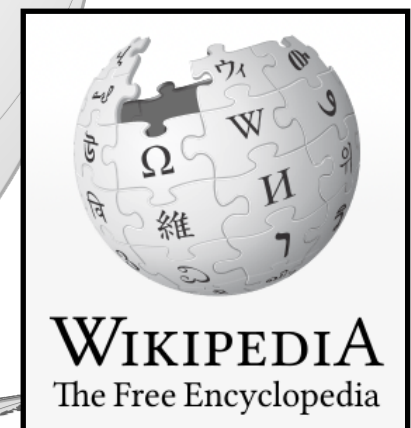
[francis.guimera@orange.fr](mailto:francis.guimera@orange.fr)

[douglas.yazell@me.com](mailto:douglas.yazell@me.com)

[tulubesha@yahoo.com](mailto:tulubesha@yahoo.com)

[tharegot@gmail.com](mailto:tharegot@gmail.com)

[jackysumac@yahoo.com](mailto:jackysumac@yahoo.com)





US foreign policy

## Blinken says US stumped over Havana syndrome as more diplomats fall ill

Secretary of state says officials do not know what illness is or who is responsible, with more sickness reported in Paris and Geneva

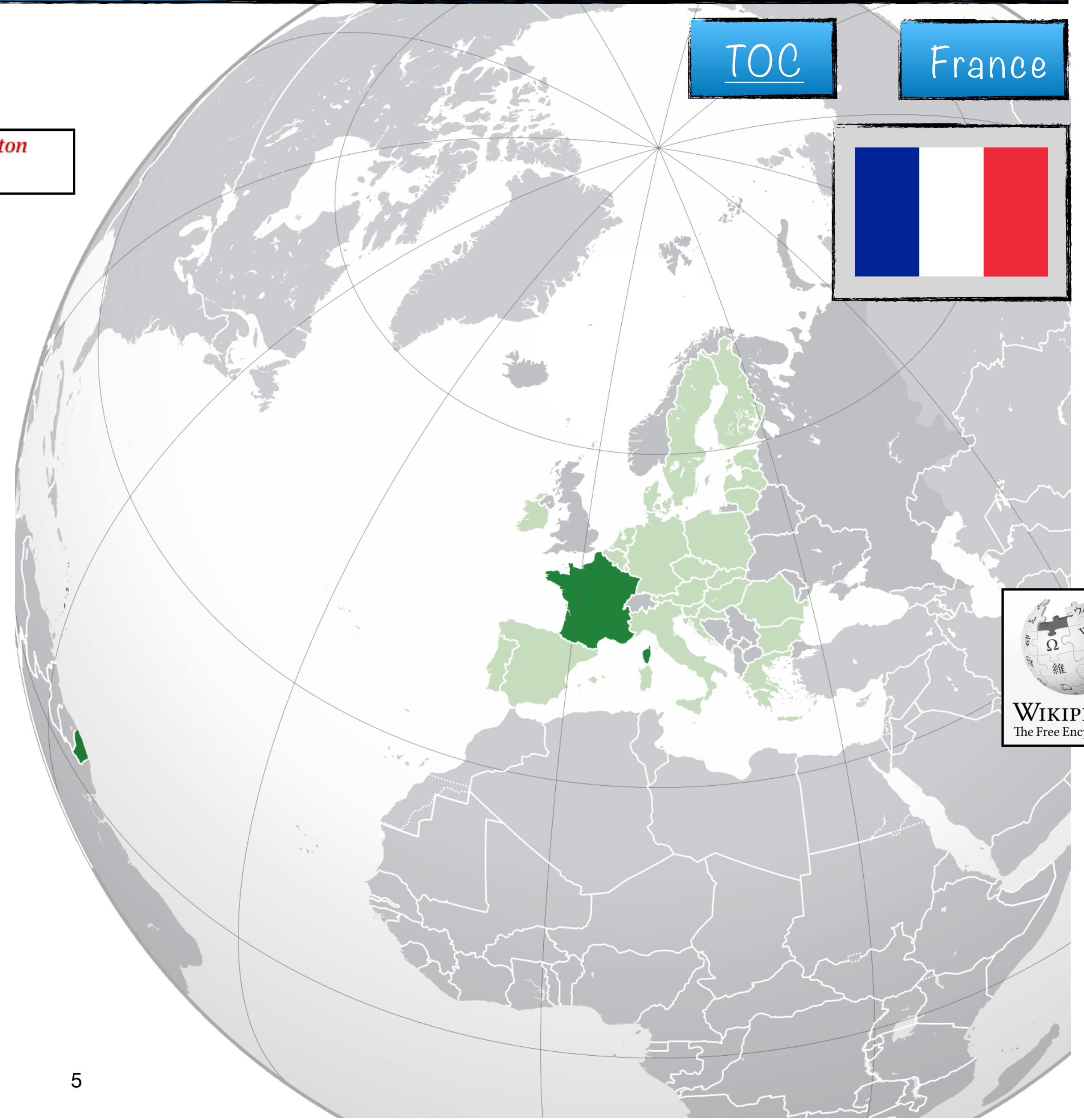
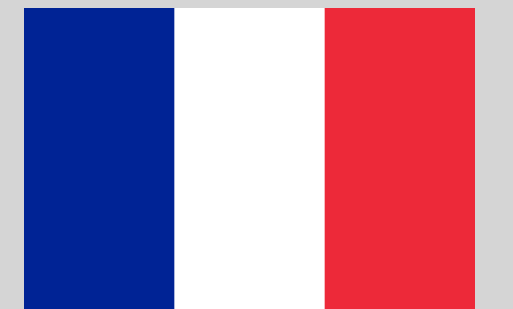
**The Guardian**  
For 200 years

*Staff and agencies in Washington*

Thu 13 Jan 2022 10.27 EST

TOC

France



WIKIPEDIA  
The Free Encyclopedia



Facebook

## Facebook owner to 'assess feasibility' of hate speech study in Ethiopia

Meta says human rights diligence projects can be 'highly time intensive' and run for year or more

**Dan Milmo and agencies**

Fri 14 Jan 2022 08.45 EST

**The Guardian**  
For 200 years





**Peru**

## Peru demands compensation for disastrous oil spill caused by Tonga volcano

Volcanic eruption caused spill, described as the worst ecological disaster to hit country in recent history, at refineries operated by Spanish oil giant Repsol

**Dan Collyns in Lima**

🐦@yachay\_dc

Wed 19 Jan 2022 17:42 EST

**The  
Guardian**  
For 200 years

TOC

Peru



**WIKIPEDIA**  
The Free Encyclopedia



# AIAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 1/22/2022

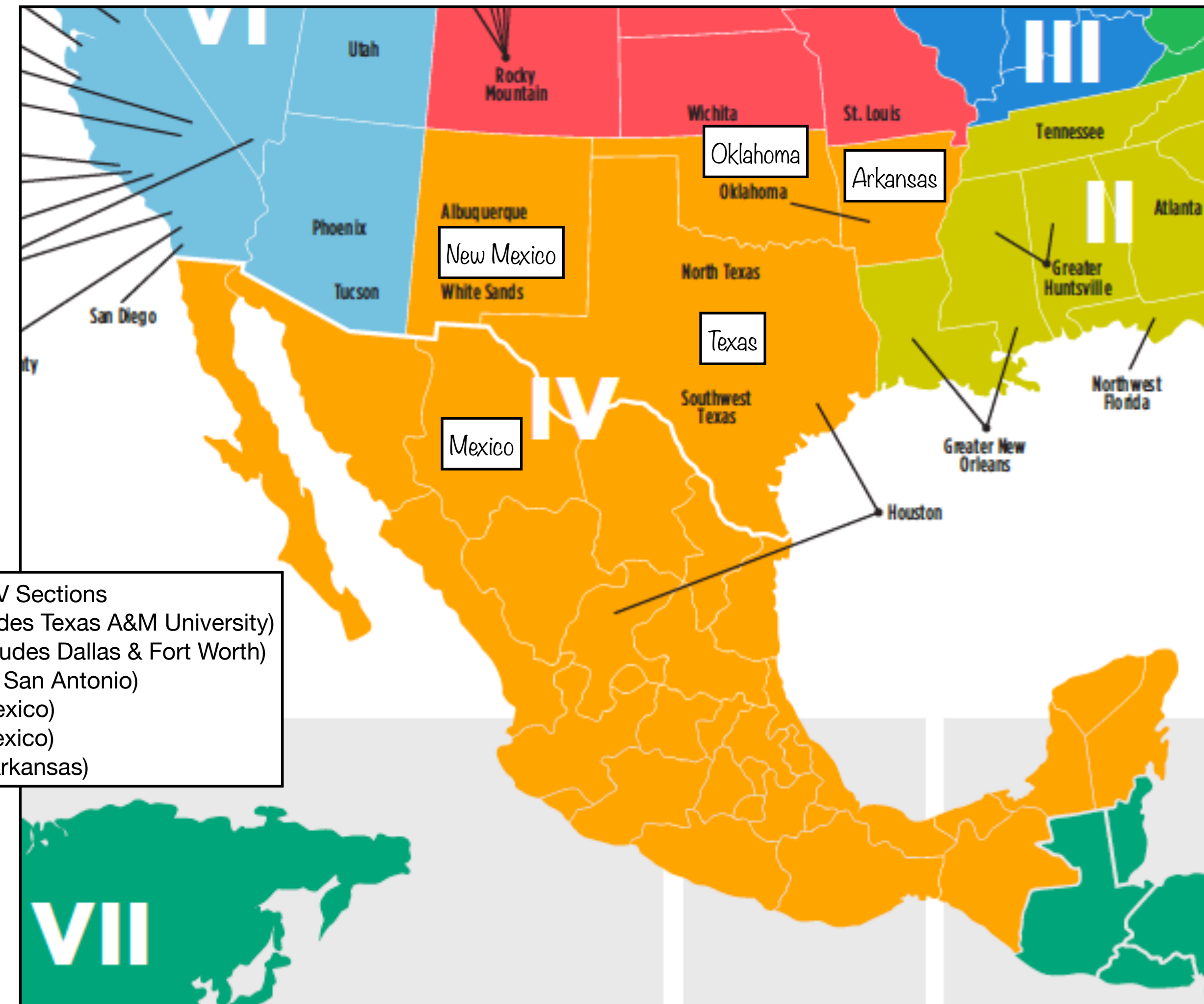
[TOC](#)

[Mexico](#)



AIAA Houston Section: Mexico and the Section's territory in Texas

AIAA Region VII (International) and Region IV (Mexico and four states of the USA)



## Region IV Sections

1. Houston (Texas, includes Texas A&M University)
2. Southwest Texas (includes Dallas & Fort Worth)
3. North Texas (includes San Antonio)
4. Albuquerque (New Mexico)
5. White Sands (New Mexico)
6. Oklahoma (includes Arkansas)



**Mexico**

## Two journalists exposing Mexico's corruption and drug violence murdered within one week

Margarito Martínez Esquivel and José Luis Gamboa are the latest casualties in the world's most dangerous country for reporters outside war zones

**Tom Phillips** *Latin America correspondent*

Tue 18 Jan 2022 10:32 EST

**The Guardian**  
For 200 years

TOC

Mexico



**WIKIPEDIA**  
The Free Encyclopedia



**5G**  
**US airline officials warn of 'catastrophic' crisis in aviation with new 5G service**

**Edward Helmore and agencies**

Mon 17 Jan 2022 15:53 EST

**Introduction of the new technology near airports could interfere with critical airplane instruments such as radio altimeters**

**The Guardian**  
For 200 years

Dec. 2020: Columbia University Reports Observed Acceleration in Global Warming:

"Abstract: Record global temperature in 2020, despite a strong La Niña in recent years, indicates global warming acceleration that is too large to be unforced noise – it implies an increase in the total global climate forcing and Earth's energy imbalance. Growth in greenhouse gases plus solar irradiance decreased during the period of increased atmospheric aerosols probably decreased in the past decade. There is a need for more measurements and improved monitoring of Earth's energy imbalance."

November 2020 was the warmest November in the period of instrumental data available, ahead of 2016 in the 11-month averages. December 2016 was relatively cool, so it is clear that 2020 will slightly edge 2016 for the warmest year, at least in the GISTEMP analysis. The rate of global warming accelerated in the past 6-7 years (Fig. 2). The deviation of the 5-year (60 month) running mean from the linear warming rate is large and persistent; it implies an increase in the net climate forcing and Earth's energy imbalance, which drive global warming."

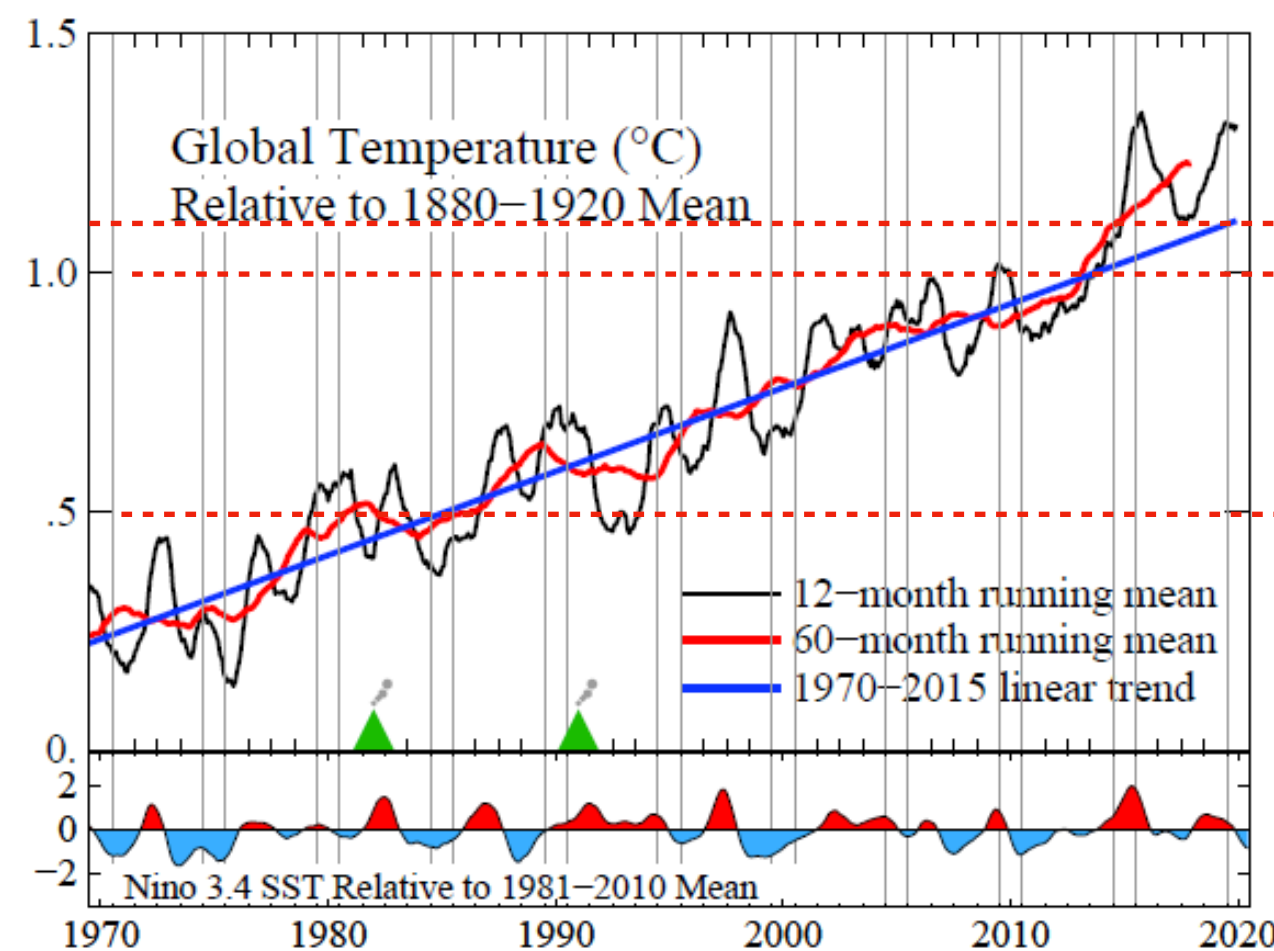
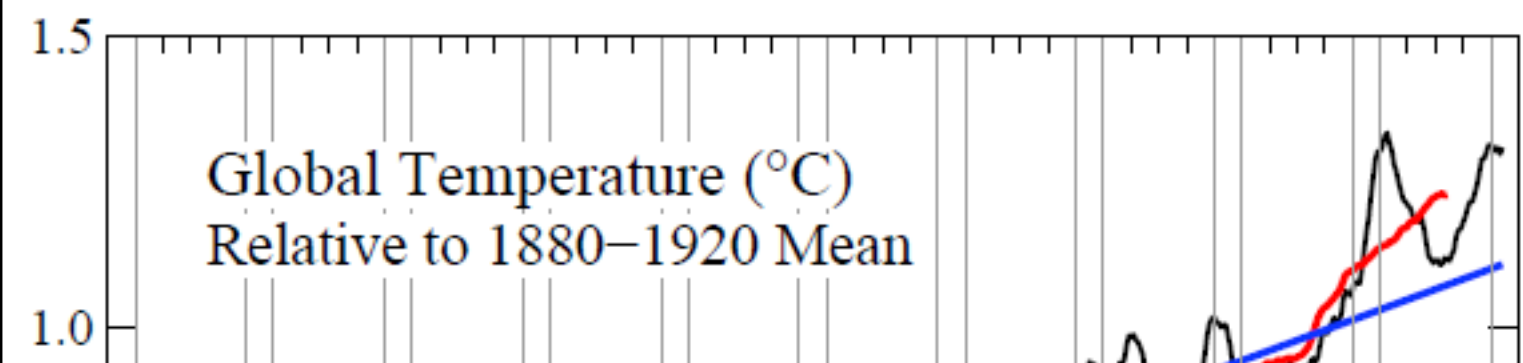


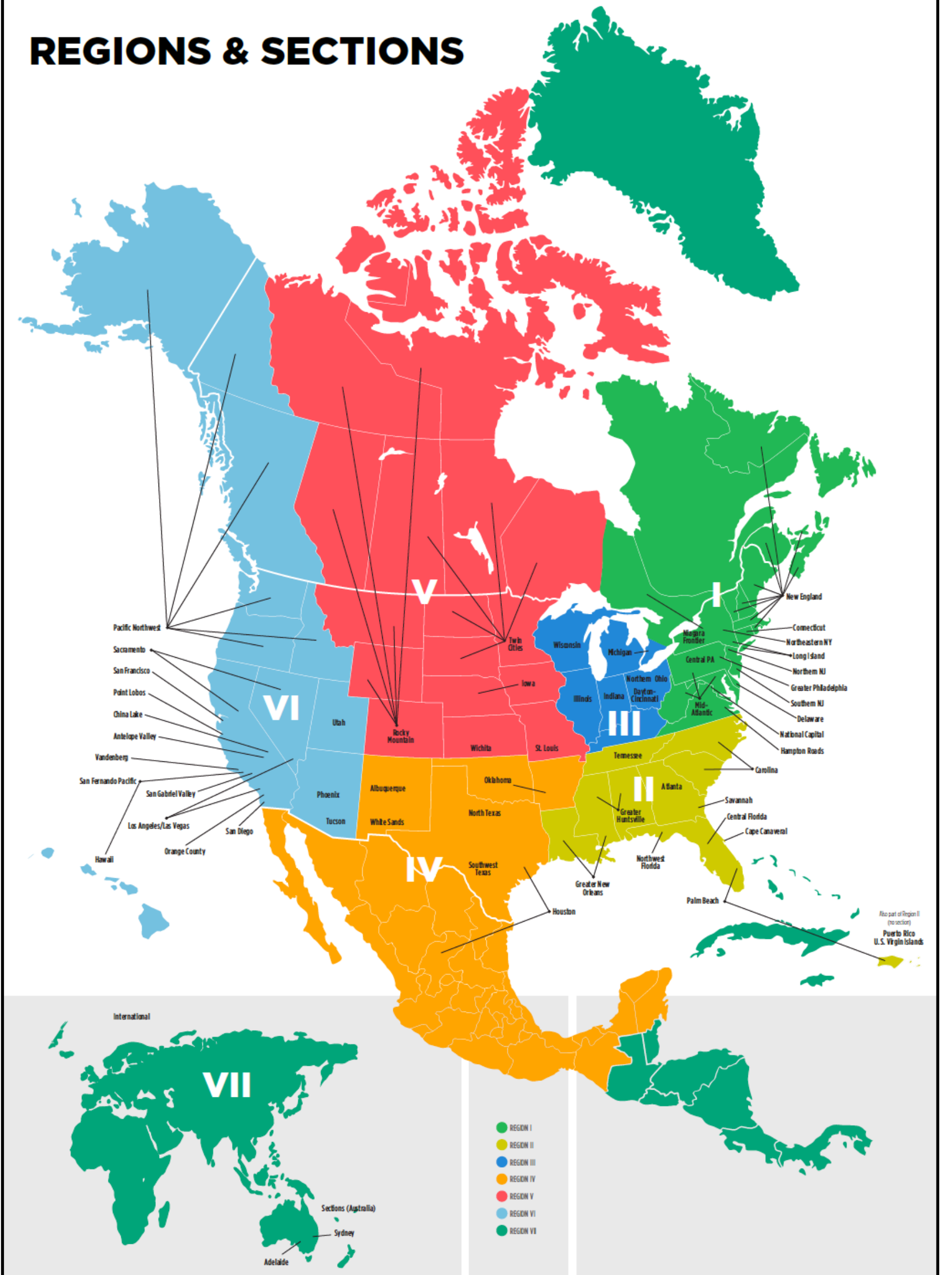
Fig. 2. Global temperature and Niño3.4 Index through November 2020.

Columbia U "Global Warming Acceleration" (Hansen & Sato) published & accessed December 14, 2020

Above an increase of 1C after 2019; Guardrail 1.5 C  
About 1 C increase at about 2014

About 0.5 C increase at about 1985

**REGIONS & SECTIONS**





**5G**  
**US airline officials warn of 'catastrophic' crisis in aviation with new 5G service**

**Edward Helmore and agencies**

Mon 17 Jan 2022 15:53 EST

**Introduction of the new technology near airports could interfere with critical airplane instruments such as radio altimeters**

**The Guardian**  
For 200 years

**Dec. 2020: Columbia University Reports Observed Acceleration in Global Warming:**

"Abstract: Record global temperature in 2020, despite a strong La Niña in recent months, reaffirms a global warming acceleration that is too large to be unforced noise – it implies an increased growth rate of the total global climate forcing and Earth's energy imbalance. Growth of measured forcings (greenhouse gases plus solar irradiance) decreased during the period of increased warming, implying that atmospheric aerosols probably decreased in the past decade. There is a need for accurate aerosol measurements and improved monitoring of Earth's energy imbalance."

November 2020 was the warmest November in the period of instrumental data, thus jumping 2020 ahead of 2016 in the 11-month averages. December 2016 was relatively cool, so it is clear that 2020 will slightly edge 2016 for the warmest year, at least in the GISTEMP analysis. The rate of global warming accelerated in the past 6-7 years (Fig. 2). The deviation of the 5-year (60 month) running mean from the linear warming rate is large and persistent; it implies an increase in the net climate forcing and Earth's energy imbalance, which drive global warming."

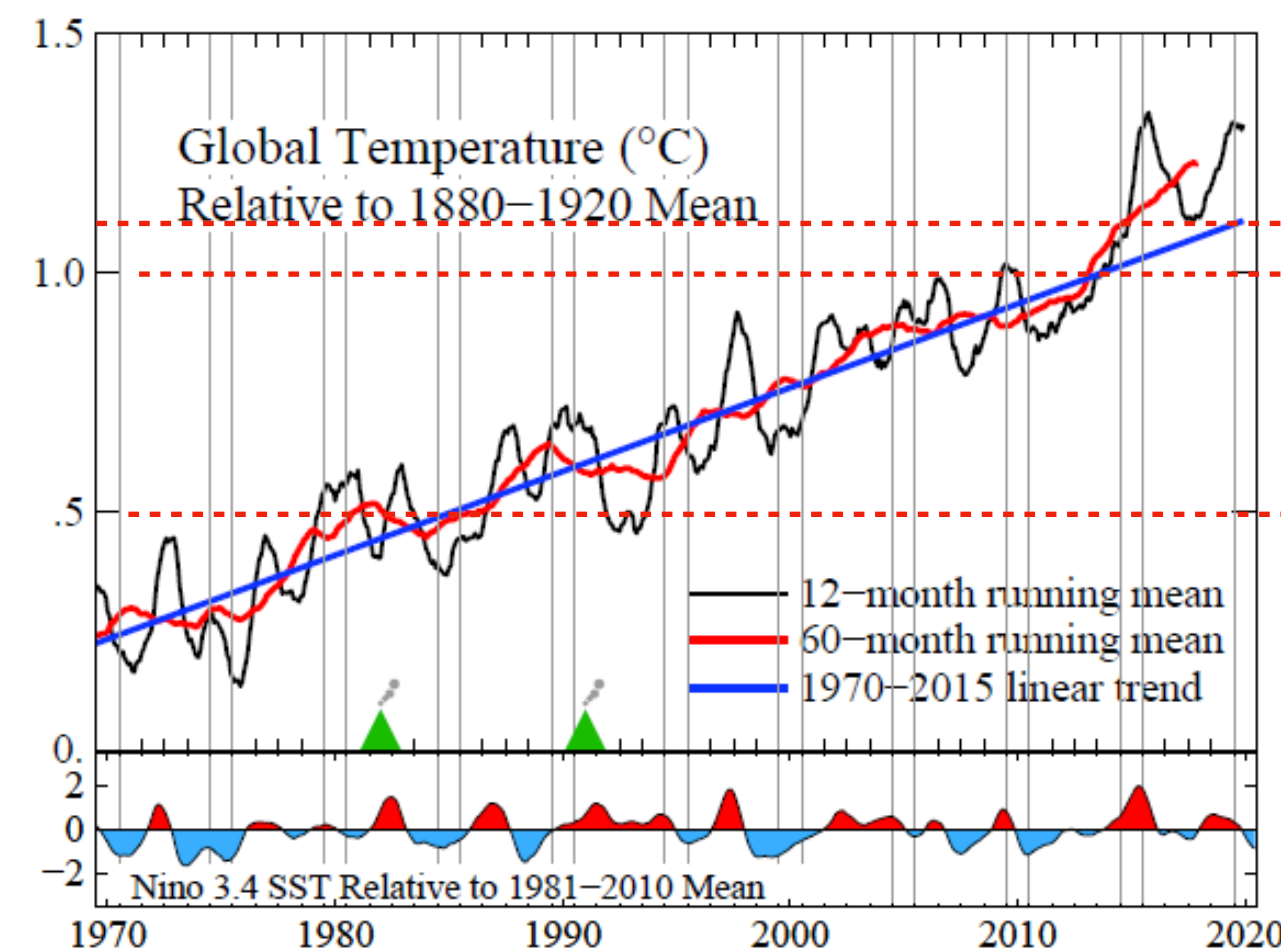
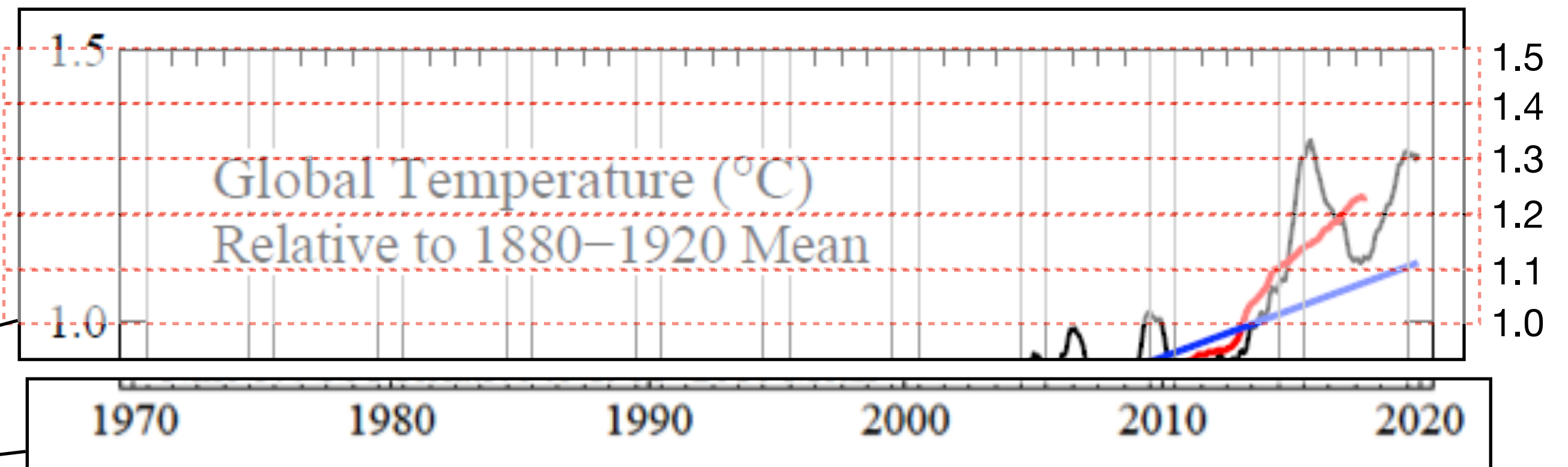


Fig. 2. Global temperature and Niño3.4 Index through November 2020.

Columbia U "Global Warming Acceleration" (Hansen & Sato) published & accessed December 14, 2020



Above an increase of 1C after 2019; Guardrail 1.5 C  
About 1 C increase at about 2014

About 0.5 C increase at about 1985

**Chris McGreal**

Tue 18 Jan 2022 06:00 EST

**The Guardian**  
For 200 years

**Climate crimes Environment**

**How Exxon is using an unusual law to intimidate critics over its climate denial**

America's largest oil firm claims its history of publicly denying the climate crisis is protected by the first amendment