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



This weekly document, my status report, is published [here](https://www.aiaahouston.org/history_technical_committee/#news). The full link is: 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**), mirroring the AIAA IAC
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Vox **recode**

Flight delayed? Blame a spaceship.

In Florida, a surging number of space launches has created a new type of travel headache.

By **Rebecca Heilwell** | May 14, 2022, 8:30am EDT



It's the dawn of a new space age — at least for billionaires

Space is having a moment, but regular Americans don't seem that interested.

By **Terry Nguyen** | Feb 2, 2022, 8:00am EST



Seascape: the state of our oceans Climate crisis

Critical climate indicators broke records in 2021, says UN

World Meteorological Organization says extreme weather wreaked heavy toll on human lives

Damian Carrington Environment editor

@dpcarrington

Wed 18 May 2022 04:00 EDT

Fiona Harvey Environment correspondent

Sat 14 May 2022 02:00 EDT



'This is about survival': will Cop27 bring action on Glasgow climate pact?

Amid an energy crisis caused by war in Ukraine, climate experts say November talks must act on plans to limit global heating

The Green New Deal

**Even Better than
The 1932-1941
New Deal**

SUNRISE MOVEMENT



Matthew Taylor

Wed 18 May 2022 04:59 EDT

Climate crisis

'World is at boiling point': humanity must redefine relationship with nature, says report

Stockholm institute calls for 'bold science-based decision-making' to tackle climate, social and economic crises

Diversity

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.

The 2021-2023 AIAA Diversity Plan

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

WNBA star Brittney Griner's detention in Russia extended by month ▶ Fri 13 May 2022 11.55 EDT

Brittney Griner's detention in Russia, briefly explained 

What could it take to bring the WNBA superstar home?

By Sean Rameswaram and Hady Mawajdeh | May 12, 2022, 5:30pm EDT

Sam Levin in Los Angeles

@SamTLevin

▶ Wed 18 May 2022 12.25 EDT



Buffalo shooting
How the Buffalo massacre is part of US tradition: 'We'll continue to see killings'

Brandi Collins-Dexter of Harvard's Shorenstein Center spoke to the Guardian about how the massacre is rooted in America's long history of white supremacist violence

The fight to vote Florida

Judge strikes down Florida governor's 'unconstitutional' election map

Sam Levine



▶ Wed 11 May 2022 13.56 EDT

Blow to Ron DeSantis as judge says new congressional districts made it harder for Black voters to elect their preferred candidates

Opinion Race

Why do white supremacists want to kill Black people?

Derecka Purnell



What are the roots of this violence and how do we fight it?

▶ Wed 18 May 2022 06.11 EDT

THE WHITE HOUSE



BRIEFING ROOM

A Proclamation on Asian American, Native Hawaiian, And Pacific Islander Heritage Month, 2022

APRIL 29, 2022 • PRESIDENTIAL ACTIONS

Opinion Social media

Buffalo might never have happened if online hate had been tackled after Christchurch

Imran Ahmed



Social media giants Meta, Twitter and Google have done little to fight radicalisation, violating their own rules

▶ Mon 16 May 2022 09.27 EDT

Opinion US news

Buffalo shooting: how white replacement theory keeps inspiring mass murder

Jason Stanley



This once fringe ideology, which was at the heart of Nazism, has gained mainstream traction thanks in part to the likes of Tucker Carlson on Fox News

▶ Sun 15 May 2022 13.32 EDT

TEXAS NEWS



A GOP power grab shatters 30 years of political progress for Black voters in Galveston County

Author: The Texas Tribune, Alexa Ura
Published: 8:12 AM CDT May 20, 2022
Updated: 8:12 AM CDT May 20, 2022

Republicans dismantled the only Galveston County commissioners precinct in which voters of color held political clout.

Climate

"...the ultimate sense of urgency..."



Gabrielle Canon and agencies

@GabrielleCanon
Fri 13 May 2022 14.53 EDT



Climate crisis in the American west

'Everything was orange': US wildfires burning at furious pace early this year

Wind-driven flames tearing through dry vegetation exacerbated by the climate crisis in California and New Mexico

Oliver Milman in New York

@olliemilman
Tue 17 May 2022 02.00 EDT



Buffalo shooting

Buffalo suspect may be latest mass shooter motivated by 'eco-fascism'

Buffalo suspect allegedly calls himself 'eco-fascist' and blames migration for harm to the environment in document posted online

Damian Carrington Environment editor

@dpcarrington
Tue 17 May 2022 02.00 EDT



Fossil fuels

Shut down fossil fuel production sites early to avoid climate chaos, says study

Exclusive: Nearly half existing facilities will need to close prematurely to limit heating to 1.5C, scientists say

Jet Propulsion Laboratory
California Institute of Technology

EARTH

NASA's ECOSTRESS Detects 'Heat Islands' in Extreme Indian Heat Wave

May 12, 2022

Volts podcast: Doug Thompson defends the deep state

Learning to love bureaucracy.

David Roberts
May 13

Science and nature books

Poisoned legacy: why the future of power can't be nuclear

Mounting tensions with Russia, a global pandemic and a reckless scramble for nuclear energy: the echoes of 1957 are alarming - we would do well to heed them

● Atoms and Ashes: From Bikini Atoll to Fukushima by Serhii Plokyh is published by Allen Lane (£25).

Techno-utopianism is popular precisely because it doesn't challenge the status quo, and lets polluters off the hook

Fri 13 May 2022 03.00 EDT

Opinion Climate crisis

We need optimism - but Disneyfied climate predictions are just dangerous

George Monbiot

2021 United Nations Climate Change Conference

COP 26

UN CLIMATE CHANGE CONFERENCE UK 2021
IN PARTNERSHIP WITH ITALY

COP 27 2022: Egypt

Date 31 October – 13 November 2021
Location SEC Centre, Glasgow, Scotland, United Kingdom

Author: KHOU 11 Staff
Published: 3:38 PM CDT May 19, 2022
Updated: 8:46 PM CDT May 19, 2022

Who turned on the heat? This has been the second hottest May on record for Houston

As of May 19, we have had 12 days of 90+ degree high temperatures. The average number of 90+ days for May is eight.

Sea Level: Note a change in units from millimeters per year to inches since January 1993.

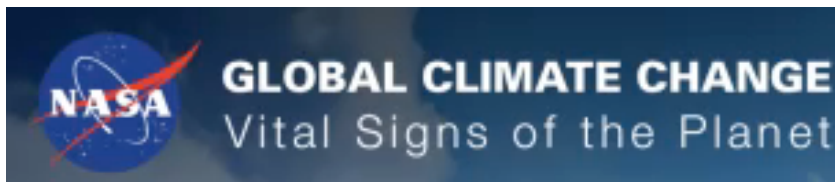
SEA LEVEL
↑ 3.4 millimeters per year

March 10, 2022

4/5/2022
CARBON DIOXIDE
↑ 418 parts per million (current)

GLOBAL TEMPERATURE
↑ 1.18 °C since 1880

1/15/2022



CARBON DIOXIDE
↑ 417 parts per million (current)

GLOBAL TEMPERATURE
↑ 1.01 °C since 1880

ARCTIC SEA ICE EXTENT
↓ 13.0 percent per decade since 1979

ICE SHEETS
↓ 427 billion metric tons per year

SEA LEVEL
↑ 3.94 inches since January 1993

OCEAN HEAT ADDED
↑ 337 zettajoules since 1955

GLOBAL TEMPERATURE
↑ 1.01 °C since 1880 0.85 - (-0.16) 1/20/2022³

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AIAA Houston Section sister sections

France-USA: www.3af-mp.fr

France: Francis Guimera, preceded by Alain Chevalier
Houston: Douglas Yazell

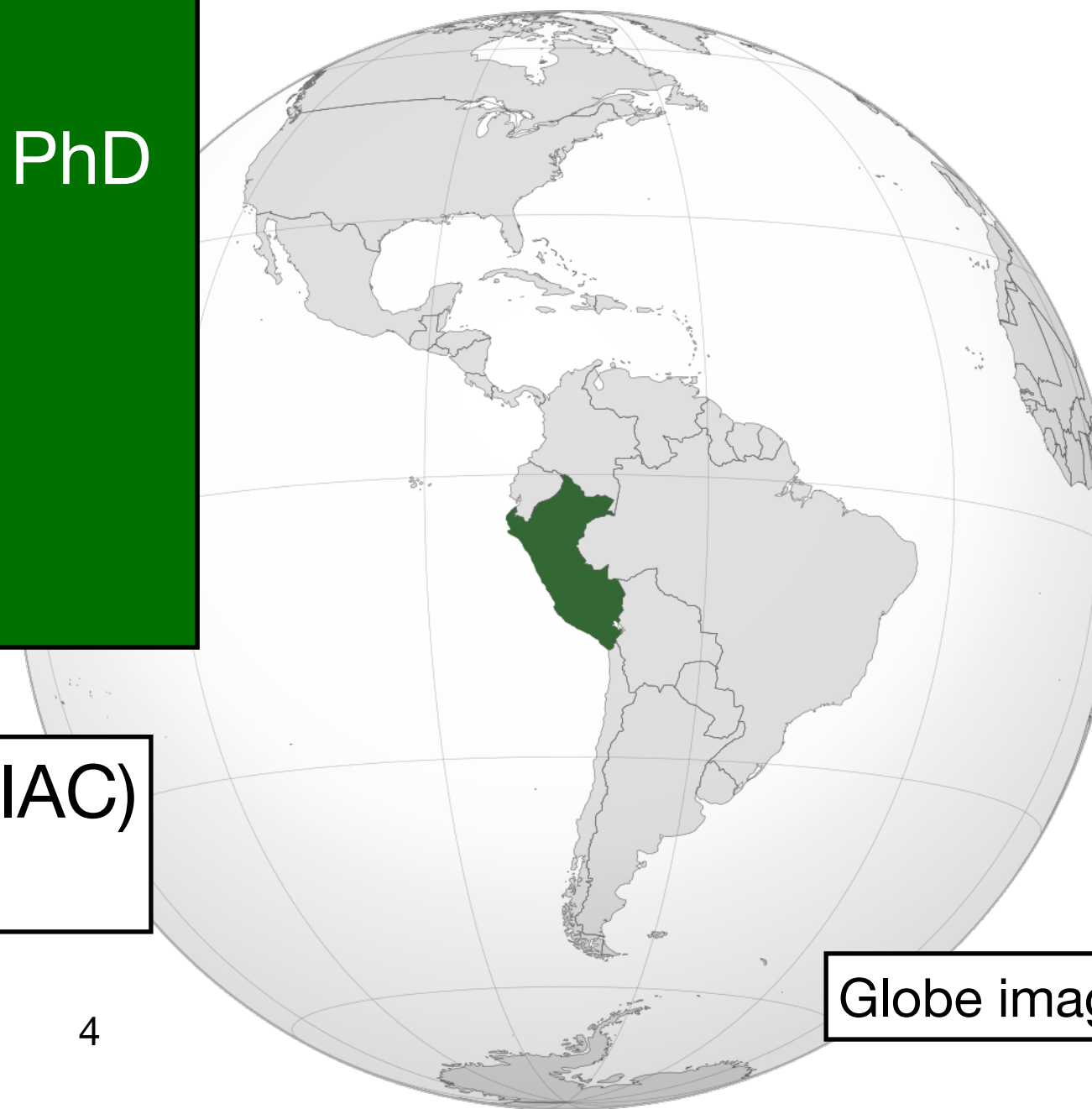
Ethiopia-USA:

Ethiopia: Tulu Besha Bedada, PhD and Berhan Gessesse, PhD
Houston: Thomas Haregot

Peru-USA:

Houston: Jackelynn Silva-Martinez
Peru: Julio Valdivia, Saul Perez

AIAA Houston Section International Activities Committee (IAC)
Chair: Douglas Yazell, douglas.yazell@me.com

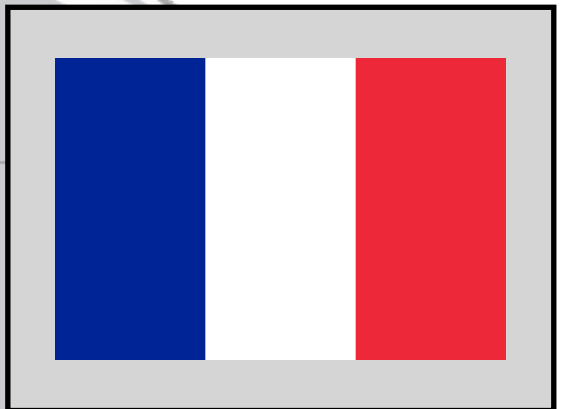


Globe images: Wikipedia.

France

France Seeks Low-Cost Mini Attack UAVs

Janes (5/13) reported behind a paywall that the “Direction Générale de l’Armement (DGA), the French defence procurement agency, and the L’Agence de l’Innovation de Défense (AID), the country’s defence innovation agency, have released two calls for projects for low-cost mini attack” UAVs. During Thursday’s press conference, French Ministry of Armed Forces spokesperson Hervé Grandjean said that the “first call is for the Larinae project for a system to neutralise targets at a range of over 50 km, and the second is for the complementary Colibri project for a system to neutralise targets in the area of contact with the enemy at a range of over 5 km.” [AIAA Daily Launch, May 16, 2022]



I worked on this surveillance drone project before 2011. Honeywell was working with U.S. Army Future Combat Systems.

Defence Imagery [+ Follow](#)

T-Hawk Remotely Piloted Air System in Afghanistan

A soldier watches as a Tarantula Hawk (T-Hawk) Micro Remote Piloted Air System (RPAS) hovers over the desert in Afghanistan.

The Tarantula-Hawk takes off vertically and hovers to get a clear view of the ground ahead of troops.

It is used by the British Army in Afghanistan, clearing routes without risking human life and checking for roadside bombs.

Talisman is the army unit using T-Hawk. It is a counter-IED task force and uses specialist equipment, including this drone, to clear routes for large convoys.

Taken on July 29, 2012
Some rights reserved



My brother-in-law’s wife leased a Kia Niro EV in mid-May 2022. [Car photos: Edmunds]



Ethiopia

The Guardian picture essay

Thu 12 May 2022 01:00 EDT

'People are dying': Ethiopians escape war only to face hunger in Somaliland

On the streets of border cities refugees rely on food handouts, while overcrowding in camps exacerbates the effects of the drought crisis

by Sean Sutton



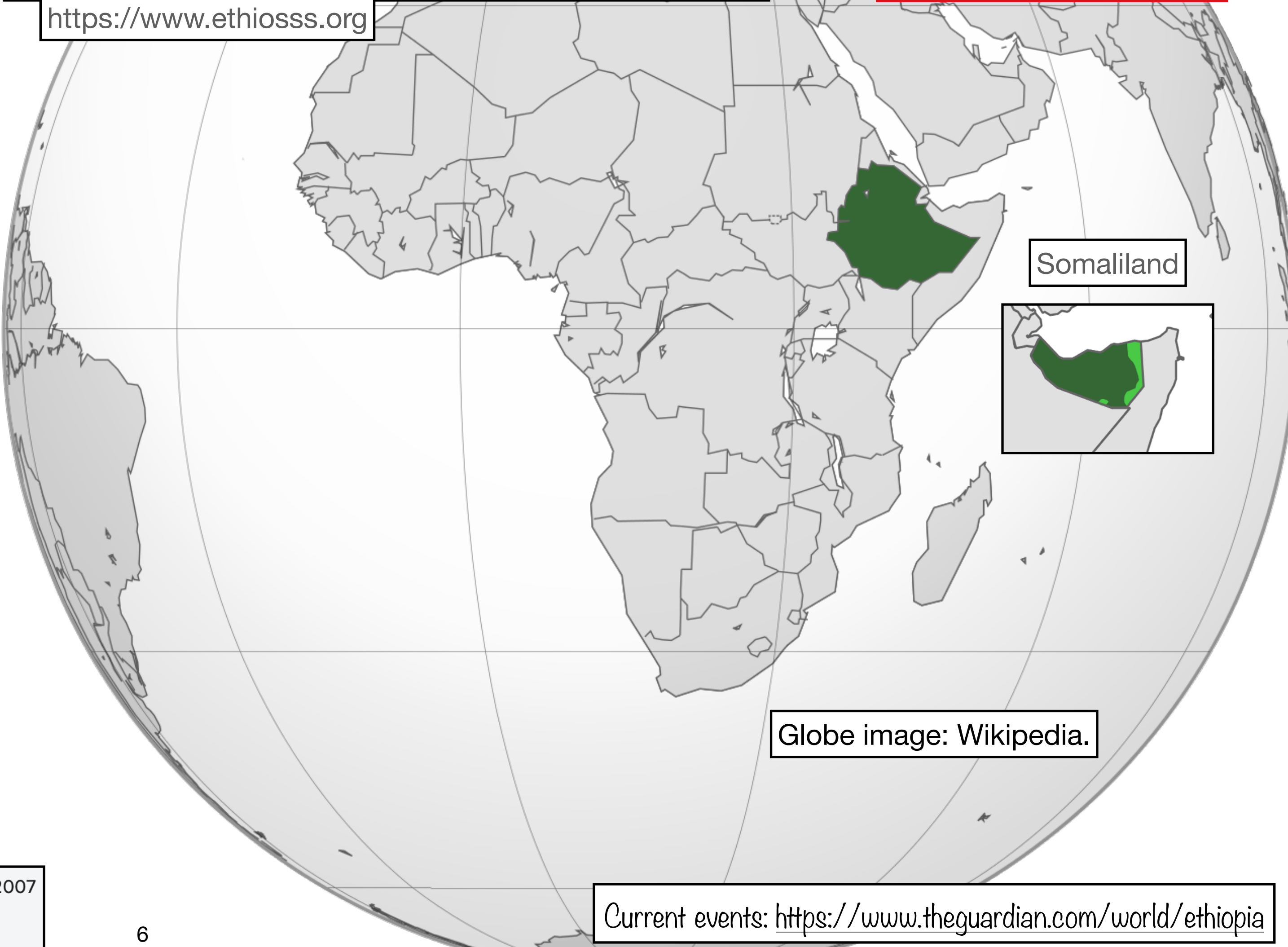
Alan + Follow
Ethiopian Raptor

Taken on November 6, 2007

Some rights reserved



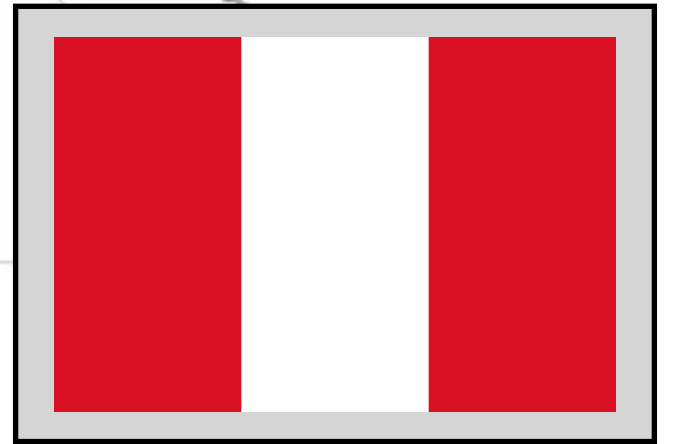
<https://www.ethiosss.org>



Globe image: Wikipedia.

Current events: <https://www.theguardian.com/world/ethiopia>

Peru



Globe image: Wikipedia.



Taken on September 21, 2017

Some rights reserved

Cristian Molina

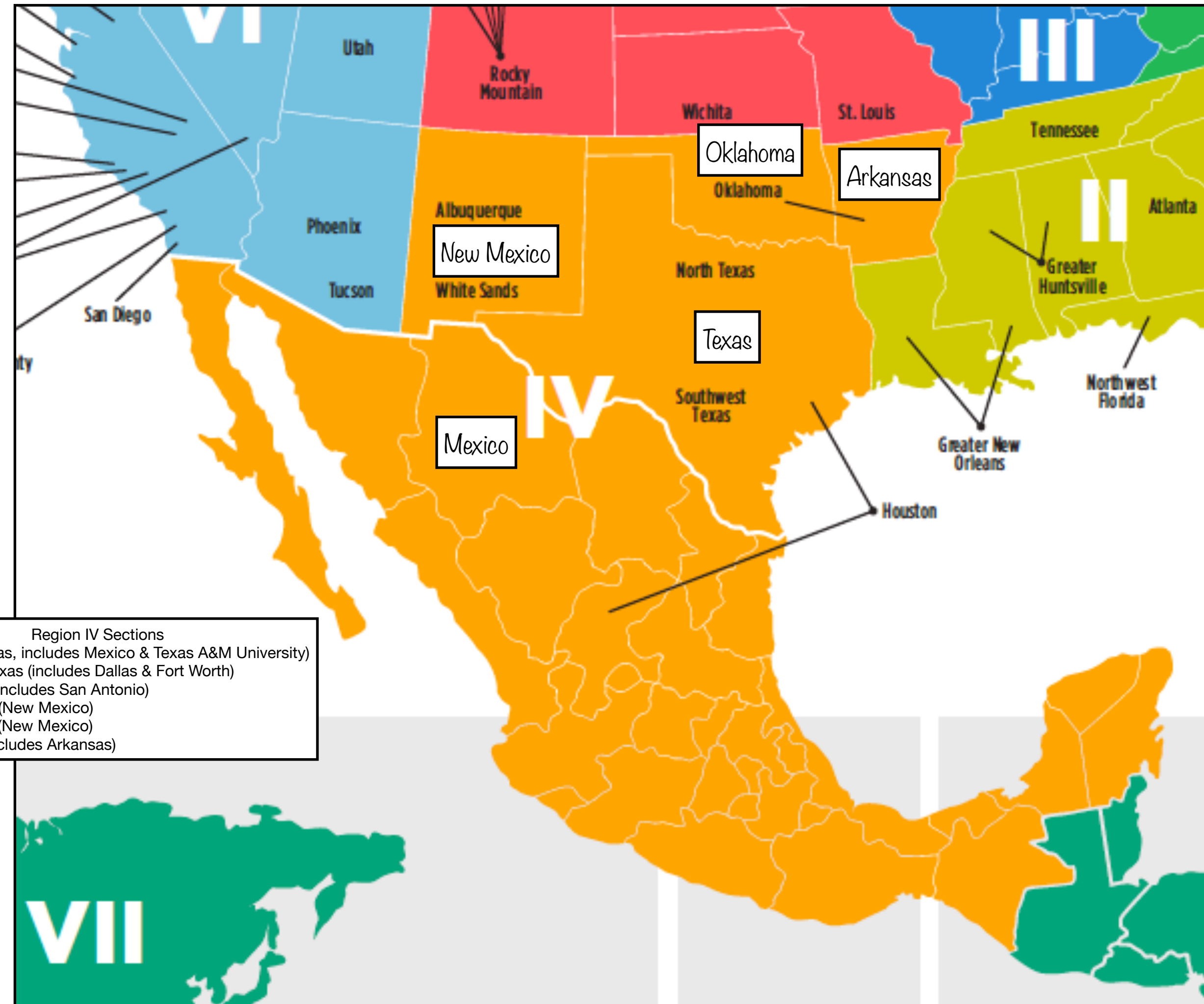
Perú

Tacna

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 Mexico & 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

Mexico News Daily

Paywall after a few free articles

<https://mexiconewsdaily.com>

174 temporary shelters installed as BCS prepares for hurricane season

There could be 13 hurricanes in the eastern Pacific this year according to a safety official

Published on Monday, May 16, 2022

<https://www.nhc.noaa.gov/climo>

[Tropical Cyclone Climatology](#)

The eastern Pacific hurricane season runs from **May 15 to November 30.**



Globe image: Wikipedia.



Uploaded on August 21, 2014

Some rights reserved



NASA Goddard Space Flig...

[+ Follow](#)

Tropical Storm Lowell Becomes 7th Eastern Pacific Hurricane

NOAA's GOES-West satellite watched as Tropical Storm Lowell strengthened into a large hurricane during the morning of August 21 and opened its eye.

AIAA Houston Section History Technical Committee Chair-Douglas Yazell

History

Polaris program

From Wikipedia, the free encyclopedia

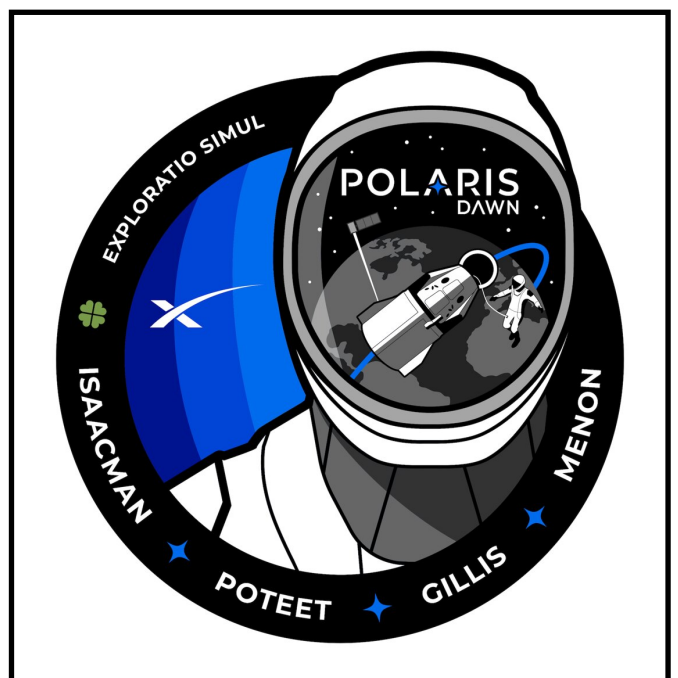
This article is about the spaceflight program. For other projects and programs, see [Polaris \(disambiguation\)](#).

The **Polaris Program** is a planned **human spaceflight** program organized by businessman and commercial astronaut **Jared Isaacman**.^[1] Isaacman, who commanded the first all-civilian *Inspiration4* spaceflight in September 2021, purchased flights from SpaceX in order to create the Polaris Program. The first two flights will use the SpaceX *Crew Dragon* spacecraft, while the third flight is planned to be the first crewed *Starship* flight.^{[1][2]}

Polaris program flights					
Mission Name	Launch Date	Launch Vehicle	Spacecraft	Orbit	Crew
Polaris Dawn	NET Q4 2022	Falcon 9 Block 5	Crew Dragon	LEO	<ul style="list-style-type: none"> Jared Isaacman Scott Poteet Sarah Gillis Anna Menon
Mission II	TBA	TBD	Crew Dragon	TBA	TBA
Mission III	TBA	Super Heavy	Starship	TBA	TBA



Polaris	
Country	United States
Organization	SpaceX
Status	Planned
Program history	
Duration	2022–present
Launch site(s)	Kennedy Space Center, LC-39A (Crew Dragon flights) TBD (Starship flight)
Vehicle information	
Crewed vehicle(s)	Crew Dragon Starship
Launch vehicle(s)	Falcon 9 Super Heavy



flickr

Polaris Program Photos

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