

The Washington Post

Visual evidence for investigative reporting

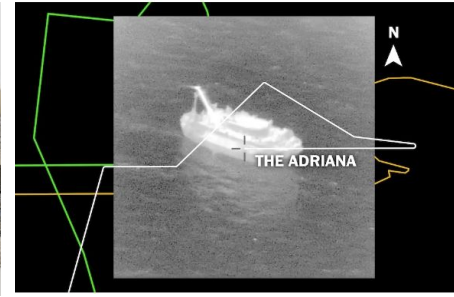
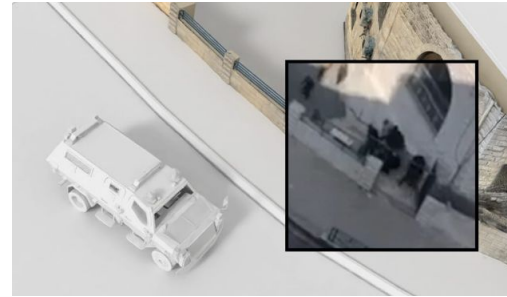
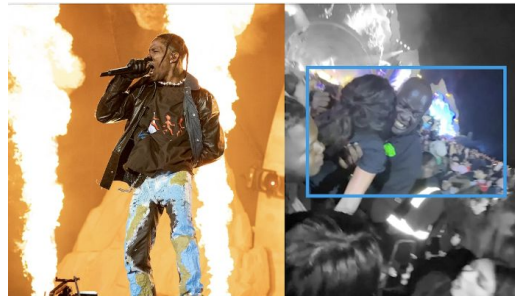
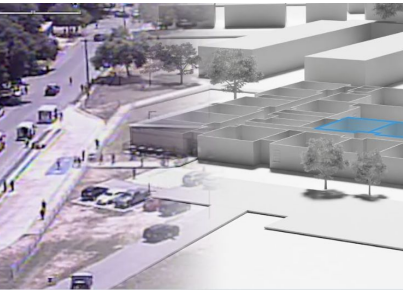
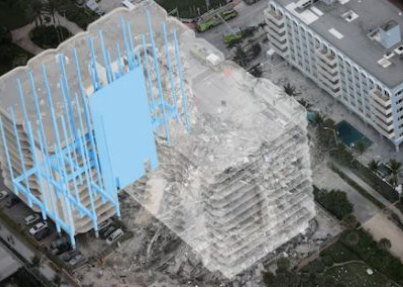
KPF Media Conference

November 9, 2023

Visual Forensics

A team that harnesses visual information, open-source evidence and traditional investigative reporting methods to produce detailed documentaries and multimedia stories that emphasize accountability and revelatory findings.

Our work



Identifying stories



Is this a visual story?

Who can we hold accountable?

Can visual reporting add new or relevant information about the event?

Would uncovering this have impact?

What sets us apart

Breaking news, new/exclusive findings, a visual-first approach

Israel-Gaza War

Israel appears to use white phosphorus in Gaza, video shows

The controversial munition, which is commonly used to create smoke to mark targets, can cause severe harm when used against civilians.

Meg Kelly

Middle East

How a night of dancing and revelry in Israel turned into a massacre

At least 260 bodies have been recovered from the site of a trance music festival in Israel, one of the first targets for Hamas militants as they launched their surprise attack Saturday.

Loveday Morris, Imogen Piper, Joyce Sohyun Lee and Susannah George



Hamas took at least 64 captives into Gaza, visual evidence suggests

The hostages include nine children, according to an examination of hundreds of videos and images posted on social media since the fighting began.

Evan Hill, Joyce Sohyun Lee, Sarah Cahlan and Gabòr Friesen



Mapping Israel's ground assault into Gaza

The Washington Post geolocated videos, photos and satellite images to understand where Israeli's ground assault has reached within Gaza.

Meg Kelly, Imogen Piper, Evan Hill, Joyce Sohyun Lee and Laris Karklis



Video shows apparent death of Israeli hostages in Hamas custody

At least four Israelis taken hostage by Hamas on Saturday were killed soon after being taken captive, according to videos reviewed by The Washington Post.

Meg Kelly and Sarah Cahlan



Videos show how Hamas achieved its unprecedented surprise attack on Israel

Militants entered Israel in at least five places, videos verified by The Post show.

Samuel Oakford, Evan Hill, Joyce Sohyun Lee and Meg Kelly



Israeli strikes on Gaza refugee camp offer glimpse of war's destruction

By [Miriam Berger](#), Hajar Harb and [Meg Kelly](#)
November 1, 2023 at 4:49 p.m. EDT

Here's how the Seoul Halloween crush happened

By [Joyce Sohyun Lee](#), [Samuel Oakford](#), [Adam Taylor](#) and [Tim Meko](#)

Updated October 30, 2022 at 4:55 p.m. EDT | Published October 29, 2022 at 6:59 p.m. EDT



Videos show the deadly crowd crush in Seoul during Halloween celebrations on Oct. 29. (Video: Twitter)

Crucial lapses led to tragically delayed rescue in a Seoul alley

By [Michelle Ye Hee Lee](#), [Meg Kelly](#), [Atthar Mirza](#), [Grace Moon](#), [Min Joo Kim](#) and [Stefanie Le](#)

November 16, 2022 at 7:36 p.m. EST



Videos posted online show the streets of Itaewon in Seoul throughout the night of Oct. 29 when a fatal crowd crush occurred during Halloween festivities. (Video: @limesarah1 via TikTok; @iwanderlista via TikTok;

top EXCLUSIVE

Alleged leaker fixated on guns and envisioned 'race war'

Videos and chat logs reveal Jack Teixeira's preparations for a violent social conflict, his racist thinking and a deep suspicion of the government he served

top EXCLUSIVE

Video shows 5 officers tackling mentally ill man. Experts question why.

The Arlington police officers took down Delgado Franklin II after he refused to surrender. It defied their training, a Post investigation found.

top EXCLUSIVE

How police action in Indonesia led to a deadly crush in the soccer stadium

top EXCLUSIVE

Satellite images show crowds at China's crematoriums as covid surges



Summerville, Ga.

CLIMATE

America underwater

Extreme floods expose the flaws in FEMA's risk maps

By Samuel Oakford, John Muyskens, Sarah Cahlan and Joyce Sohyun Lee

Dec. 6 at 11:59 a.m.

🎁 📤 🗨️ 140



Dallas



Riverdale Park, Md.



Our techniques

Discovery, organization and analysis of open source evidence


Discovery: How and where to look for visual evidence

Search

Ростов-на-Дону filter:videos

Бойцы ЧВК "Вагнер" призвали собравшуюся в центре Ростова-на-Дону огромную толпу разойтись. В Телеграм-каналах появились сообщения о выстрелах, люди стали разбегаться.

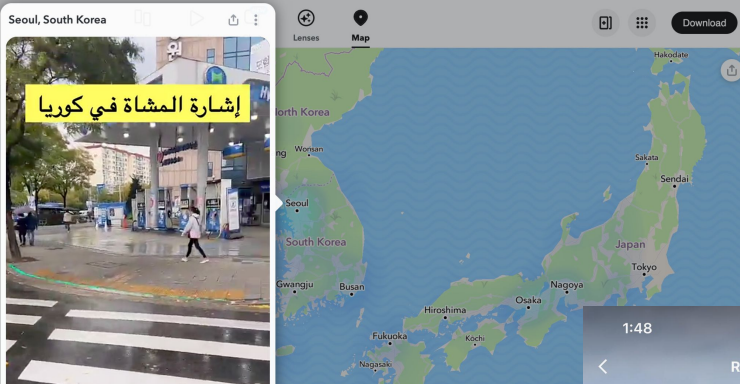
[#ростовнадону](#) [#стрельба](#) [#пригожин](#)
[#чвк](#) [#ростов](#) [#вагнер](#) [#переворот](#)



2 5

Seoul, South Korea

إشارة المشاة في كوريا



#MarchForTrump

5.9K people are posting about this

Артур Погосов @ArPogosov · 1h

[#RostovOnDon](#) [#ростовнадону](#)



Jennifer Jones January 6, 2021


Wow... Incase the FN or FB sensorred you into any discouragement... let me show you pictures from today. This is how WE do it! WE THE PEOPLE are saying it loud an clear. WE have had enough and WE will not allow these criminals to interfere with OUR votes or steal OUR freedoms anymore.

[#MarchForTrump](#)
[#TrumpIsMyPresident](#)



1:48

Reels




Acapulco

carlosdelvallemx Follow

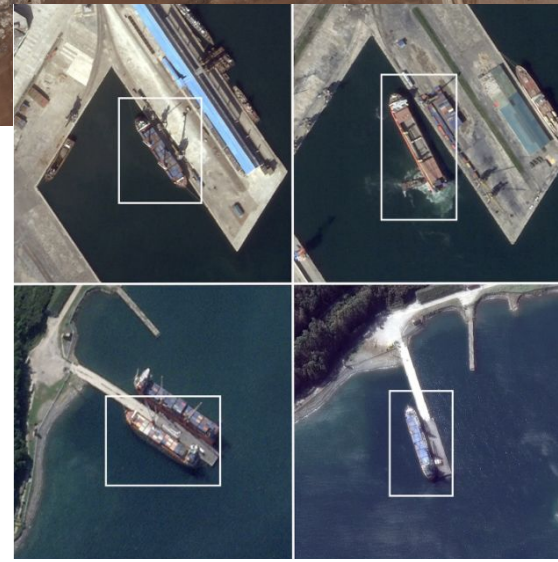
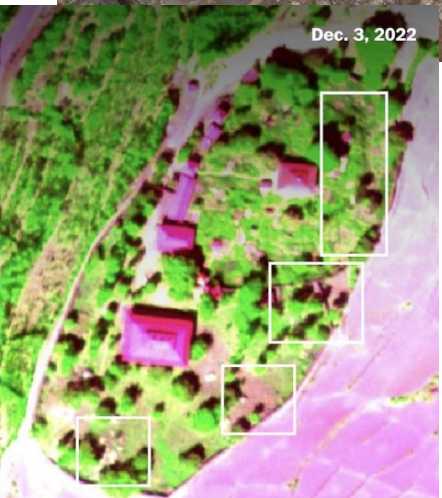
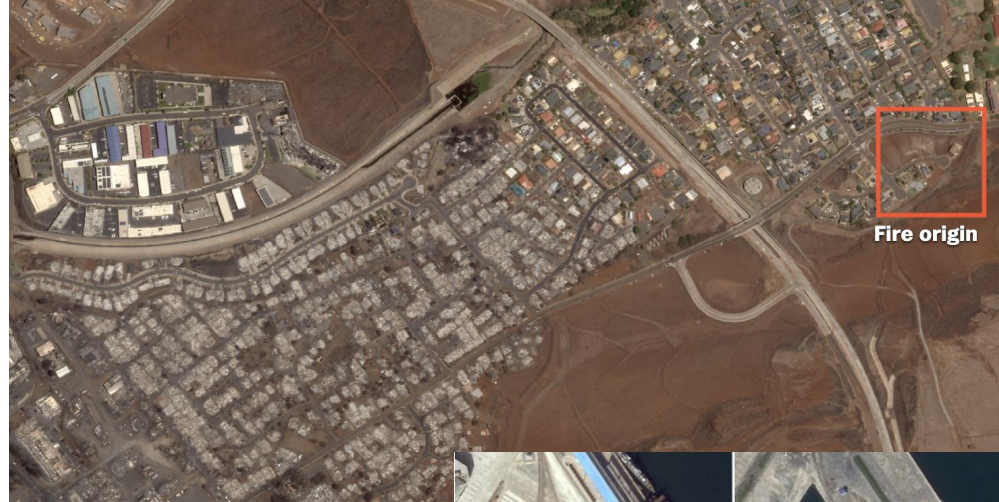
#Acapulco #OTIS

Original audio



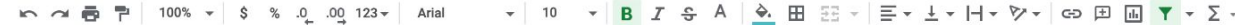
TikTok
@2sikk0







Organization: Treating visual evidence as data



A1

	A	I	J	K	L	M	N	O	P	Q	R	S	U
1	ID	Lat, Long (###.###, Dir	Location Notes	Focal Point	Violo	Weapons and Eq	Description	Durat	Source Link	Source D.	Dropbox Link	Notes	
96	0098		Kyiv				"Fighting near the Beresteyskaya metro station: strikes are being		https://t.me/uniann	2/26/2022	https://www.dropbox	Also on Twitter: ht	
97	0099	50.457771305871226, -90°	Kyiv				Victory Avenue in fire and smoke		https://t.me/uniann	2/26/2022	https://www.dropbox		
98	0100		Kyiv				There are reports that light signals are being sent from houses o		https://t.me/ukr_no	2/26/2022			
99	0101	50.41631421698163, 3(10°	Kyiv	Civilian residence	✓		In the house on Lobanovsky, 6a where the rocket hit, destruction		https://t.me/Kyiv/Cil	2/26/2022	https://www.dropbox		
100	0102		Chernigiv	Civilian residence	✓		"This is Chernigiv. Residential building hit. #Russia has too many		https://twitter.com/	2/26/2022	https://www.dropbox		
101	0103		Sumy?	Military vehicles	✓		Multiple videos on social media of Russian military out of fuel, fo		https://twitter.com/	2/26/2022	https://www.dropbox	https://www.faceb	
102	0104	50.42360362463234, 3(190°	Kyiv	Civilian residence	✓		Building damage in Kyiv		TBD (sent in slack)	2/26/2022	https://www.dropbox		
103	0105	50.42318857057562, 3(110°	Kyiv	Civilian residence	✓		Building damage in Kyiv		TBD (sent in slack)	2/26/2022	https://www.dropbox		
104	0106	50.42176544243614, 3(45°	Kyiv	Civilian residence	✓		Building damage in Kyiv		TBD (sent in slack)	2/26/2022	https://www.dropbox		
105	0107	50.421446753973946, 3(45°	Kyiv	Civilian residence	✓		Building damage in Kyiv		TBD (sent in slack)	2/26/2022	https://www.dropbox		
106	0108			Civilian residence	✓		Building damage in Kyiv		TBD (sent in slack)	2/26/2022	https://www.dropbox		
107	0109	50.944002098987944, 3(	Sumy	Soldiers	✓		Soldier taken hostage		https://t.me/Pravda	2/26/2022	https://www.dropbox	0111-0113 are fro
108	0110				✓		"Powerful. A Ukrainian approaches unknown soldiers and yells a		https://twitter.com/	2/26/2022	https://www.dropbox		
109	0111	50.94389168365402, 3(	Sumy	Soldiers	✓		Soldier taken hostage		https://t.me/Pravda	2/26/2022	https://www.dropbox	0111-0113 are fro
110	0112	50.94389168365402, 3(	Sumy	Soldiers	✓		Soldier taken hostage		https://twitter.com/	2/26/2022	https://www.dropbox	0111-0113 are fro
111	0113	50.94389168365402, 3(	Sumy	Soldiers	✓		Soldier taken hostage		https://twitter.com/	2/26/2022	https://www.dropbox	0111-0113 are fro
112	0114				✓		Ukrainian man trying to block Russian military vehicles.		https://twitter.com/	2/26/2022	https://www.dropbox		
113	0115		South of Belgorod	Military vehicles	✓		Looks like communication trucks South of Belgorod followed by :		https://twitter.com/	2/26/2022	https://www.dropbox		
114	0116	50.42232109859396, 3(90°	Kyiv	Civilian residence	✓		Missile hitting building in Kyiv		https://twitter.com/	2/26/2022	https://www.dropbox		
115	0117		Kyiv	Civilian residence	✓		Building damage in Kyiv		TBD (sent in slack)	2/26/2022	https://www.dropbox		
116	0118		Kyiv	Civilian residence	✓		Building damage in Kyiv		TBD (sent in slack)	2/26/2022	https://www.dropbox		
117	0119		Kyiv	Civilian residence	✓		Building damage in Kyiv		AP	2/26/2022			
118	0120			Soldiers	✓		Dead Russian soldiers		https://t.me/Pravda	2/26/2022	https://www.dropbox		
119	0121		Bakhmach, Chernihiv	Military vehicles	✓		Russian tanks		https://twitter.com/	2/26/2022	https://www.dropbox		
120	0122	46.206762012393156, 3(90°	Northern Crimea Can	Infrastructure	✓		This is how the explosion of the dam on the North Crimean Cana		https://t.me/rbc_ne	2/26/2022	https://www.dropbox	This was verified I	
121	0123		From David Stern: O		✓		Potentially tracer round fire in Kyiv.		https://twitter.com/	2/26/2022	https://www.dropbox		
122	0170		Kherson	Medical facility	✓		Ambulance strike		https://twitter.com/	2/26/2022	https://www.dropbox	Also here: https://	
123	0179	50.95135407519917, 2(120°	Ivankov	Soldiers	✓		NLAW seen during a firefight. Insane video filmed reportedly on t		https://twitter.com/	2/26/2022	https://www.dropbox		
124	0258	47.26268359361221, 3(	Tokmak	Military vehicles	✓		Russian TOS-1A thermobaric MLRS reportedly in Tokmak In sou		https://twitter.com/	2/26/2022	https://www.dropbox	Other videos in th
125	0124		Kharkiv	Other	✓		#Kharkov right now		https://twitter.com/	2/27/2022	https://www.dropbox		
126	0125		Kharkiv	Other	✓		shelling		telegram, private	2/27/2022	https://www.dropbox		
127	0126		Kharkiv	Other	✓		Nova Kakhovka power plant, " ! While fighting with the invaders		https://t.me/voynar	2/27/2022	https://www.dropbox	https://www.reuter	
128	0127		Kharkiv	Other	✓		Nova Kakhovka power plant, " ! While fighting with the invaders		https://t.me/voynar	2/27/2022	https://www.dropbox		
129	0128		Kharkiv	Other	✓		Nova Kakhovka power plant, " ! While fighting with the invaders		https://t.me/voynar	2/27/2022	https://www.dropbox		

POST VERIFIED: EYEWITNESS VIDEOS

Database of 305 videos exposes the horrors of war in Ukraine

By Washington Post Staff

Updated Feb. 24 at 8:40 p.m.

Originally published May 9, 2022

🎁 📤 💬 79



AE	AF	AG	AH
Content Notes	Violence?	Casualty?	Damage?

A1 ▾ | fx ID

	A	C	D	L	M	N
1	ID	Status?	Verification Notes	Source Description	Source Name	Source Link
2	001			Thread noting how IDF spokesperson used the wr		https://twitter.com/RobertMack
3	002	🟢	Verified by sync	Surveillance camera footage from Netiv Haasara s		https://twitter.com/manniefabia
4	003	🟢	Verified by sync	Footage from Al Jazeera livestream showing strike		https://twitter.com/i/status/1714
5	004	🟢	Verified by Imogen	Footage of strike at al-Ahli Hospital		https://twitter.com/lanasaiif/stat
6	005	🟢	Verified by Sarah	Fire / aftermath of al-Ahli Hospital strike		https://twitter.com/MuhammadS
7	006			Post that allgedes to show timecode of Video ID 0		https://twitter.com/manniefabia

9	008					
10	009					
11	010					

12	011	Source Date (M/D/YYYY)	Source Time (H:MM:SS AM)	Timezone (GMT+#.#)	Dropbox Link	Duration (H:MM:SS)
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13	012					
14	013					
15	014					
16	015	😬				WARNING VERY GRAPHIC: h
17	016	😬				WARNING GRAPHIC: https://t.
18	017	😬				WARNING GRAPHIC: https://t.
19	018	😬				WARNING GRAPHIC: https://t.
20	019	🟢	Verified by Meg	AP video: Charred vehicles in al-Ahli hospital grou		N/A - AP VIDEO
21	020	🟢	Verified by Meg			Photos sent to Meg over Whats
22	021	🟢		Video: Al Ahli Arab Hospital yard after being bomt Mohamed al masr		https://twitter.com/i/status/1714

U	V	W	X	AA	AB	AC
Date (M/D/YYYY)	Time (H:MM:SS AM)	Timezone (GMT+#.#)	Lat, Long (##.##### , ##.##)	Direction (##°)	Location Name	Chrono/Geoloc

27	026					
28	027	🟢				https://t.me/QudsN/314102
29	028	😬	Location verified, uncl	This video was filmed in Al Ahli Hospital yesterday @ZainaErhaim		https://twitter.com/ZainaErhaim
30	029	😬	Location verified, intel r	A failed launch hit by the GAP terrorist organizatio @IDFSpokespers		https://twitter.com/IDFSpokesp

Analysis: Reporting techniques to arrive at revelatory findings

[t.me/dsns_telegram/...](https://t.me/dsns_telegram/)

Translated from Ukrainian by Google

Chernihiv 

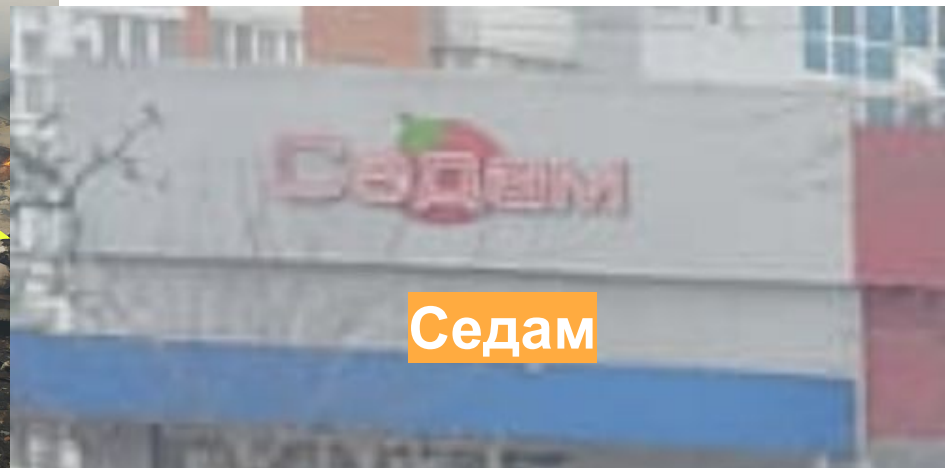
On March 5, at about 12:40 a.m., **an enemy plane** was shot down over **Chernihiv**, causing it to crash on the outskirts of the private sector.

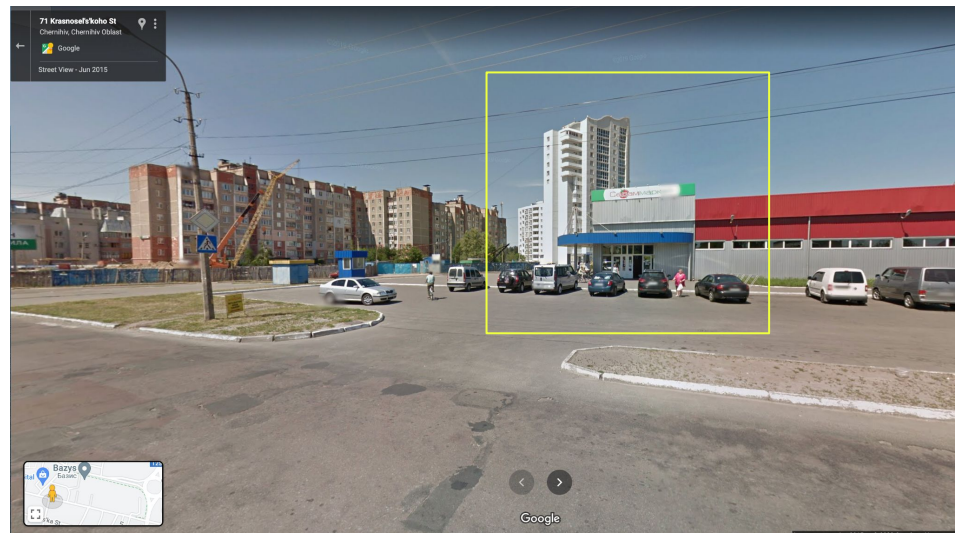
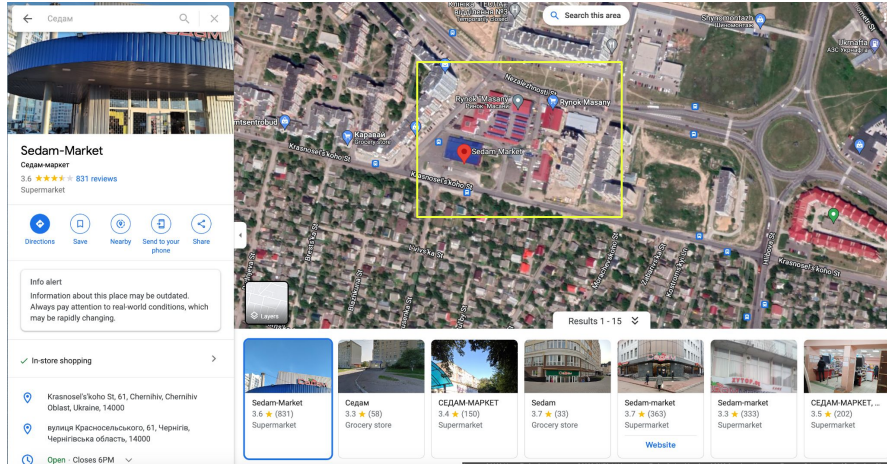
The information is being clarified **2 people** were rescued.

23 people and 4 units were involved from the SES techniques
[#stoprussia](#)

[t.me/dsns_telegram/...](https://t.me/dsns_telegram/)





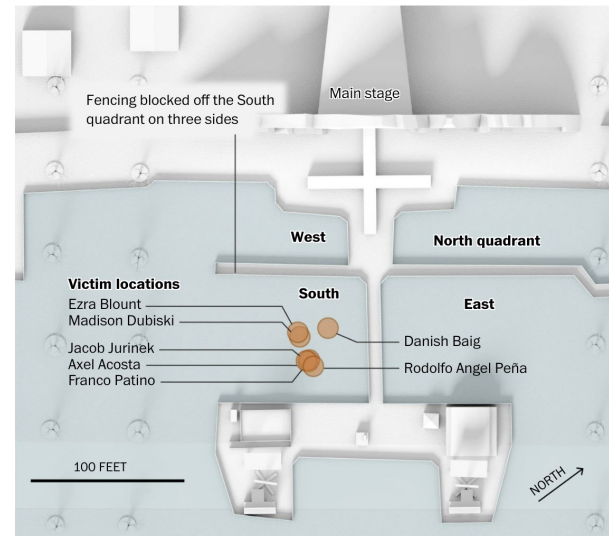
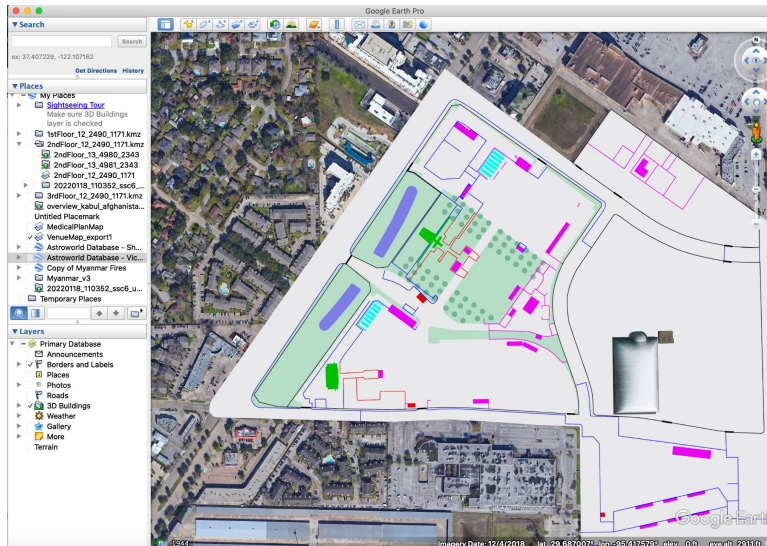




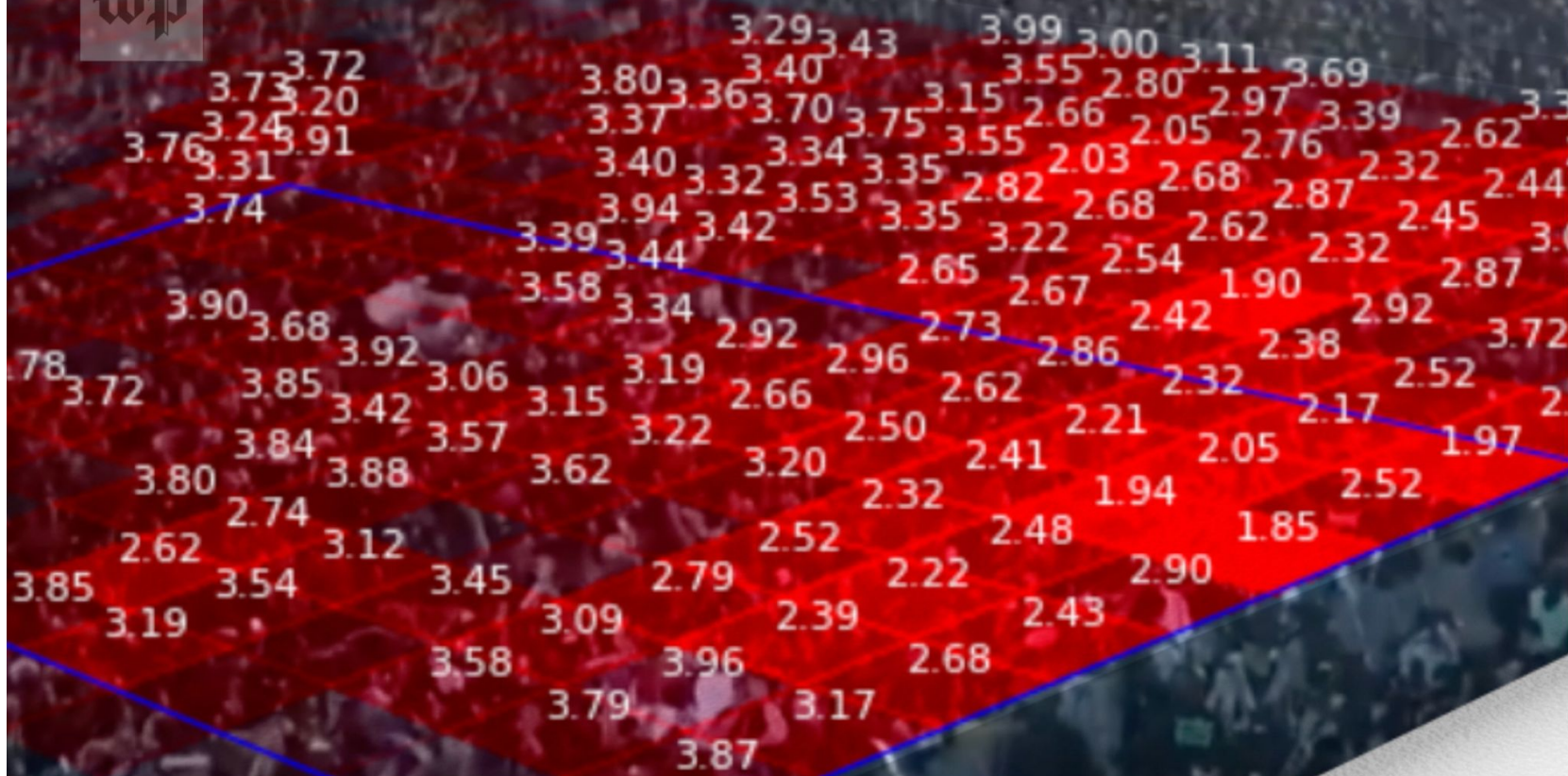
04:20:45:00 •



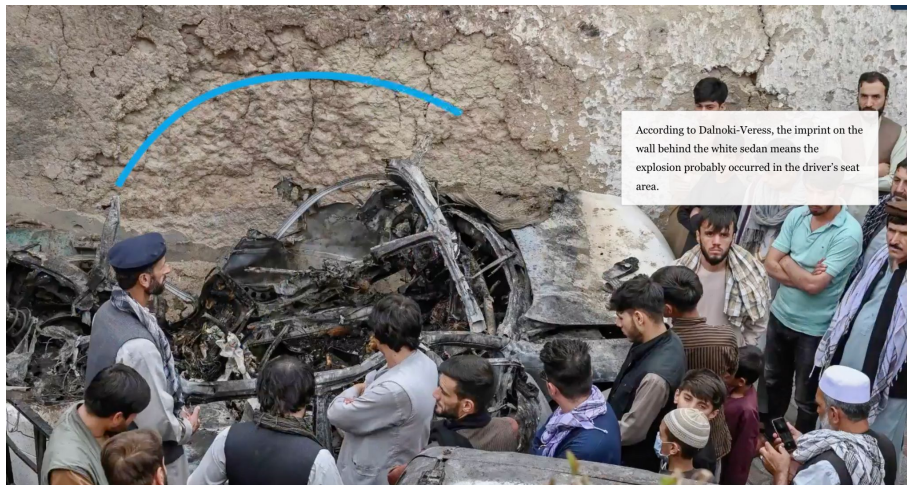




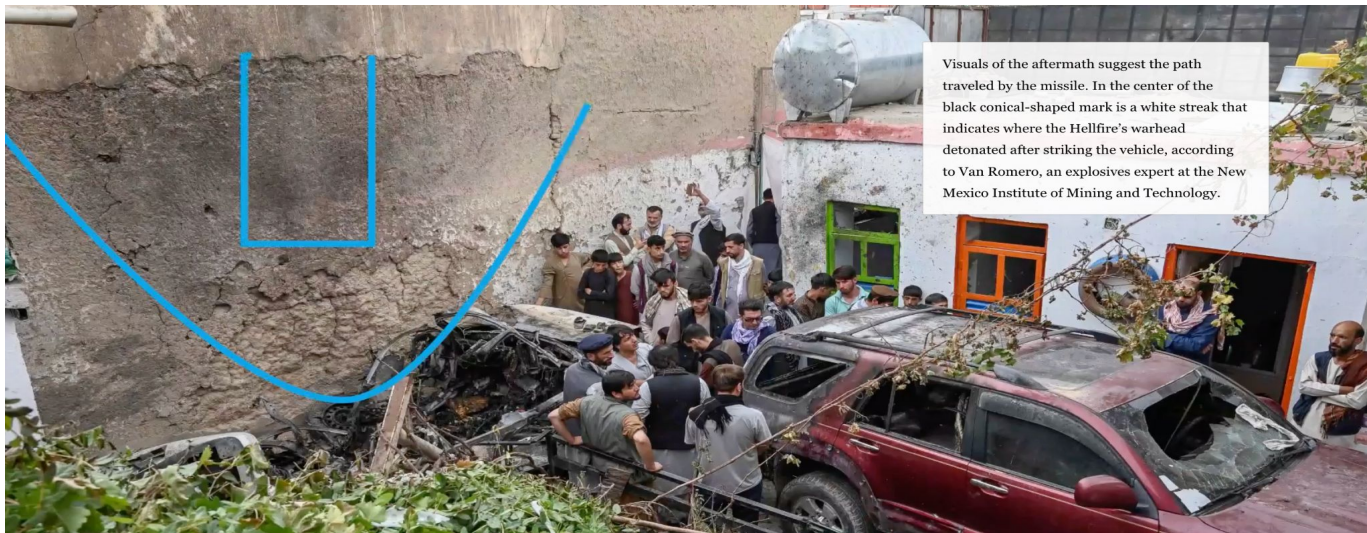
wojo



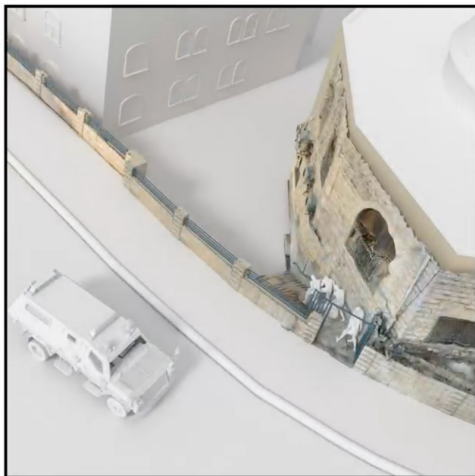
This burnt orange object may be an important component of the missile known as the pneumatic accumulator, according to Ferenc Dalnoki-Veress, an explosives expert with the Middlebury Institute of International Studies.



According to Dalnoki-Veress, the imprint on the wall behind the white sedan means the explosion probably occurred in the driver's seat area.



Visuals of the aftermath suggest the path traveled by the missile. In the center of the black conical-shaped mark is a white streak that indicates where the Hellfire's warhead detonated after striking the vehicle, according to Van Romero, an explosives expert at the New Mexico Institute of Mining and Technology.



by EXCLUSIVE

3D analysis shows how Israeli troops fired into group of civilians

In an incident last month that left two Palestinians dead, troops shot at least 14 times in four seconds while civilians would have been visible.

by EXCLUSIVE

The final 11 seconds of a fatal Tesla Autopilot crash

A reconstruction of the wreck shows how human error and emerging technology can collide with deadly results



Organizing a long story

Always ask: “Is this point relevant to the main thesis”

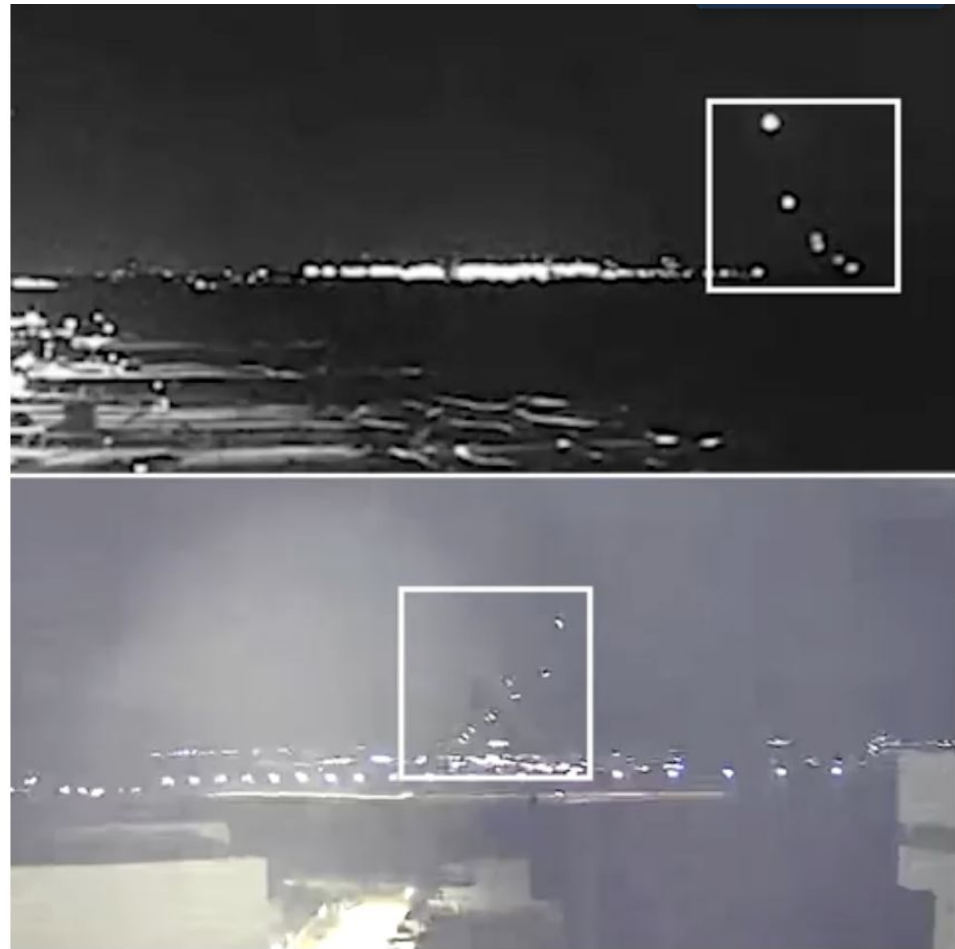
VISUAL FORENSICS

A barrage and a midair explosion: What visual evidence shows about the Gaza hospital blast

Videos analyzed by The Post reveal that rockets were launched from Gaza in the direction of the hospital 44 seconds before an explosion there

By [Evan Hill](#), [Meg Kelly](#) and [Imogen Piper](#)

October 26, 2023 at 7:01 p.m. EDT



(Video: YouTube / Keshet 12 News)

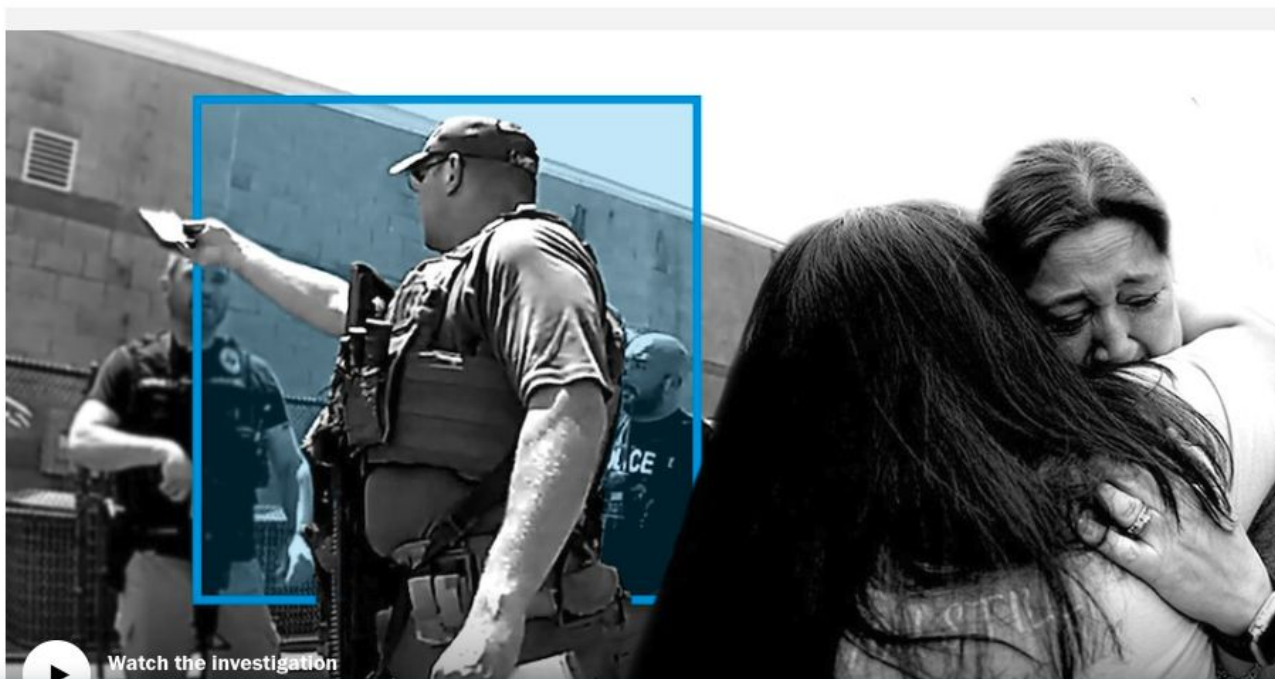
EXCLUSIVE

A year after Uvalde, officers who botched response face few consequences

A Post investigation finds numerous higher-ranking officers who made critical decisions remain on the job

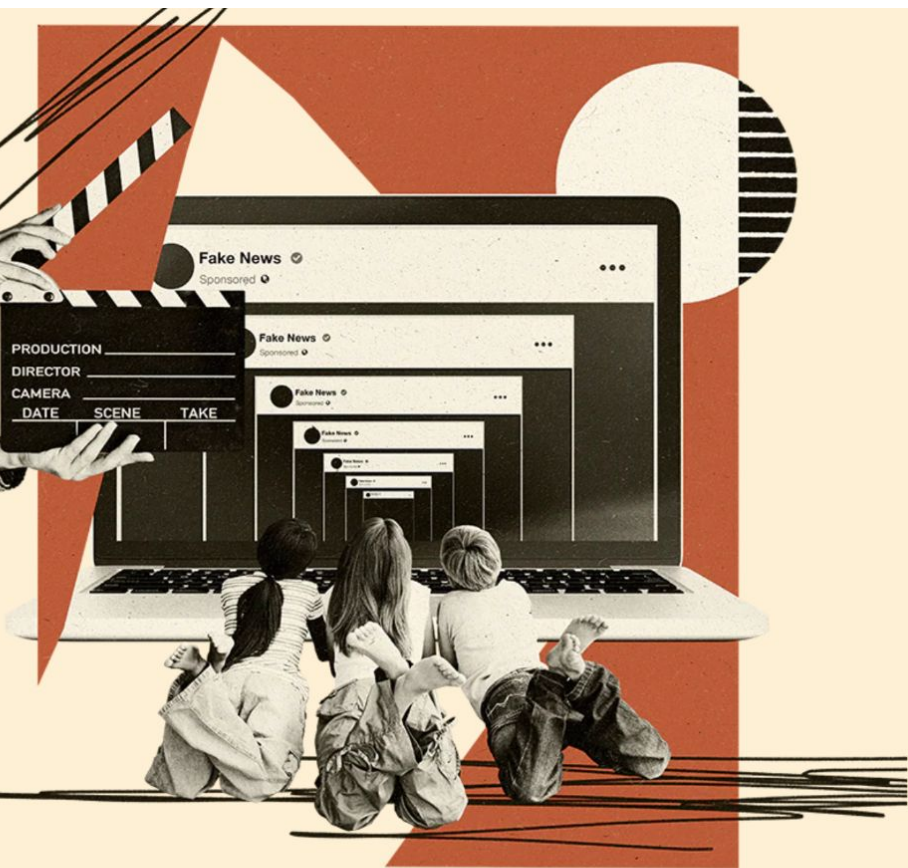
By [Joyce Sohyun Lee](#), [Sarah Cahlan](#) and [Arelis R. Hernández](#)

May 24, 2023 at 4:51 a.m. EDT



The age of AI

Treat audio and visual content like you would any other source



Fact Checker

How to spot a fake video

Learn how to be your own video investigator with The Washington Post's Fact Checker team

The 5 W's

- Who:
 - Consider the source - who is posting this material?
- What:
 - Question the premise - is the material outrageous or provocative?
- Where:
 - Verify the location of a video or photo through geolocation
- When:
 - Confirm the timing of a video or photo through chronolocation
- Why:
 - Think of the motivation behind a post - why is someone sharing this?





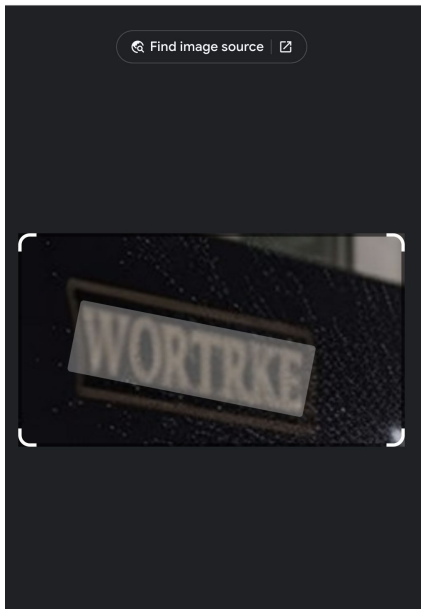
Upload

Paste or enter image URL



0 matches

TinEye searched over 59.7 billion images but didn't find any matches



Find image source

Visual matches



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A World Ignited
ebook by Martin...
In stock



genesis-publica...
Mike McCartney's
Early Liverpool



#HSWW100 - The



redbubble.com
"END THE
LOCKDOWN!"...



udayavani.com
'Lockdown' declared
word of 2020 by...



youtube.com
#HSWW100 - The



lunacy.audio
CUBE Archives |
Lunacy Audio



discogs.com
No Doubt - New
(1999, Vinyl) - ...



wikipedia.org
Woodentop
(Storyboard) - ...



Image size: 380x210

Select crop area

Image appears to contain

темнота

macbeth logo

cryptocurrency



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1400x466 Securing Protocols During Development- From a High Level Invariant to a Pool-Draining...

medium.com
Securing Protocols During Development- From a High











Cross-verification

Check other reports, photos and videos (especially from different angles) of the same event

Examples:

- Pool reports
- Wires
- Photos and videos from trusted news outlets and reporters
- User generated content

Questions?

Via email:

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visualforensics@washpost.com

On Twitter:

@elysesamuels

<https://www.washingtonpost.com/visual-forensics/>