

Close Encounters Of The Third Kind

OPSGROUP Team

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Back in April, the Pentagon confirmed that **some leaked photos and videos of UFOs were, indeed, legitimate**. Of course, 'UFO' just means "unidentified flying object" - it doesn't necessarily mean extra-terrestrial. In fact, these days the US government generally use the term 'UAP' (unidentified aerial phenomena) which makes us think of old, retired aliens...

Reports of UFO's/UAP's, or whatever you prefer to call them are relatively common though, and over the years there have been **numerous sightings directly from airline pilots**.

So, do we need to be wary of alien spaceships in our airspace? **What sort of risks do the other possible explanations actually mean for aircraft safety?**

What is out there?

First up, let's take a look at what sightings have been reported in the past, including the recently acknowledged ones.

The Metallic Blimp

The videos the Pentagon recently acknowledged were actually taken back in 2004 and 2015, and they show objects moving at mega speed. In one, a pilot is heard exclaiming "Look at that thing, dude! It's rotating!"

But is that a UFO, or is there a more reasonable explanation?

The most obvious answer would be that it is **a military aircraft of some sort**, but given the videos were made by military pilots who were not aware of other military traffic operating in the area, and considering the Pentagon confirmed the videos' authenticity, but not what they were showing, the mystery continues...



Screenshot from the Pentagon confirmed video

The New Mexico Sighting

In February 2021, a radio transmission from an America Airlines crew was picked up by a random blogger who happened to be listening in on a radio scanner. He apparently just 'stumbled across' the transmission.

The aircraft was routing over New Mexico at 37,000ft when they reported seeing an object zooming over them. On querying it with ATC, they were informed that the controllers could see no object on their radarscopes.

The Bright White Light Flight

In 2018, a British Airways crew called in after seeing a 'very bright light that disappeared at very high speed'. The sighting was backed up by a Virgin Airlines pilot who said they also witnessed multiple 'exceedingly bright' objects.

New Age Reporting

The US Government is certainly taking sightings more seriously, and in 2019 announced they would bring in a new 'data driven' approach to reporting and recording them.

You can visit the official US NUFORC site [here](https://www.nuforc.gov). NUFORC stands for the **National UFO Reporting Center**, and they have a database of all reports. In fact, the number of reports is quite impressive, as are some of the things written in them.

Date / Time	City	State	Shape	Duration	Summary
5/19/21 20:15	Atlanta	GA	Sphere	10 min	Two black UFO over Atlanta one coming close to jet plane.
5/19/21 17:25	Glens Falls	NY	Triangle	20 minutes	Triangular object over the Hudson River
5/19/21 14:30	North Haledon	NJ	Other	20 mins	I'm no stranger to flying things but yesterday was very interestingly unusual. Attached is a drawing and that's how close it was I could
5/19/21 10:50	Clarksburg	MD	Triangle	1 min	Triangle ufo
5/19/21 01:00	Sharon Connecticut	CT	Light	1 hour	Strange star over northwestern connecticut
5/19/21 00:23	Rosamond	CA	Formation	1 minute	Large Orange cluster of orbs
5/18/21 00:00	Corvallis	OR	Cigar	20 seconds	Saw cigar shaped whitish/blue object with pulsing white and blue lights in sky near home depot in Corvallis, Oregon
5/18/21 21:25	Colton	CA	Circle	15 seconds	Bright light in the sky vanishes in seconds
5/18/21 12:00	Lewisburg	PA	Other	All night/every night	This has been going on at my residence for the last several months. I've contacted the commonwealth as there's a federal prison behind
5/18/21 11:30	Paso Robles	CA	Sphere	5-10 seconds	White ball traveling at very high speed, observed on clear sunny day.
5/18/21 07:40	Perth (Australia)		Disk	5 minutes	I saw three circular shaped massive UFO's floating above my forming a triangle formation. They had flashing lights on the bottom of the
5/18/21 04:00	Warwick	NY	Unknown	2:00	Four blinking lights hovering without making a sound for at least 3 minutes in Orange County, NY
5/18/21 02:00	Carlsbad	CA	Light	>30 minutes	Orange dim lit orb floating in and out of the ocean
5/18/21 00:30	Lompoc	CA	Circle	5 minutes	Strange lights formation disappearing in mid air over lompop Ca near Airforce base.
5/17/21 22:07	Senoia	GA	Light	1 min	Light object traveling across sky reacting to second light and defying logic of common air travel
5/17/21 21:30	Sherbrooke (Canada)	QC	Fireball	25 seconds	Looked like pieces of falling meteor...instead of burning out they spaced out evenly and flew North parallel to earth at great speed.
5/17/21 11:00	Boucoucher		Disk	5mins	Weird lights and flying oval object with windows?!!?
5/17/21 02:08	Northern Ireland		Light	40seconds	There was a double line of star like lights in the following formation. : : : : : : : : They moved in unison from west to east slo
5/17/21 01:20	Meridian	ID	Other	~5 minutes	What looked to be a sparkling contrail was actually a massive illuminated ship that crossed the sky.
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5/17/21 00:20	Fall River	MA	Fireball	3 minutes	Early Monday morning, I was sitting on my deck looking north east that's when I noticed a large red and orange ball of light just under
5/17/21 00:20	Susanville	CA	Other	2 min	We were facing North(towards Alturas with the Sierra Nevada Mountains to our back). A "string" of 20 to 25 lights, moving from
5/17/21 00:07	Bogota	NJ	Circle	1-3 minutes	Bright green lights in the sky.
5/17/21 00:07	Bridgewater	NH	Cylinder	3.4 minutes	Cylindrical shape craft hovered in Northeast sky for 1 minute, then moved slowly eastward for 2.4 minutes before disappearing from view
5/17/21 00:06	North Tonawanda	NY	Oval		Large oval shaped object spotted with lights that had the appearance of shooting stars but it wasn't.
5/17/21 00:00	Rutland	VT	Light	3 Min	String of Lights In The Sky
5/16/21 23:38	Red Deer	AB		5 Minutes	Organized line of bright objects
5/16/21 23:10	Richland	WA	Circle	.5 hour	3 events of multiple UFO' a with 1/2 hour span
5/16/21 23:00	Bellingham	WA	Light	20 min	numerous pinpricks of light following each other evenly spaced
5/16/21 22:40	Keizer	OR	Circle	5 minutes or longer	This was either a formation or a single craft with many lights on the outside. It was moving very slowly across the sky above my house.
5/16/21 21:30	Williamsport	MD	Formation	10 minutes?	varying pattern of blinking lights VERY bright, shaped like an inverted question mark
5/16/21 20:15	Grand Rapids	MI	Light	1-2 minutes	Bright white light in twilight sky.
5/16/21 20:00	hiram	GA	Other	2 minutes	metallic craft at high altitude with no contrail, obviously not an aerodynamic craft
5/16/21 19:00	Jacksonville	NC	Circle	Hour	Three bright orbs spaced apart and aligned with the moon.
5/16/21 18:30	Frenchtown	NJ	Other	2 minutes	Black object effortlessly floated without the use of wings or engine.
5/16/21 18:00	Glendale	CA	Sphere	10 min	Black spherical ufo
5/16/21 15:55	Niagara falls	NY	Oval	2 minutes	Black oval object with windows shot straight up through cloud's

A snapshot of just a few of the reports in the database. From 1 day.

Here are the Other Theories (and the real risks)

The other possible explanations for many of these sightings actually have some **important risk considerations** to think about if you come across them in your airplane.

First up, **meteor showers** and **falling space debris**. These are pretty common and appear bright and fast-moving for more than a few seconds, particularly if they are entering the atmosphere at a certain angle and are big enough to withstand being immediately incinerated.

The American Meteor Society has a 'Fire Ball Log' which you can check to confirm whether your 'UFO sighting' was spotted by someone else and logged as meteor.

You can also keep an eye on the calendar for the reoccurring meteor showers which light up the skies each year.

The real risk here is fairly minimal. Aside from being a distraction, these are not going to hit an aircraft. Space debris is potentially another matter, and something we talked about here if you want to read up on it. The recent "return" of a Chinese Satellite gave some cause for concern just because of its size, and unguessable re-entry point.



Just a plain old meteor

The second theory (well, theories) are more earth-based. **Atmospheric balloons** and **Chinese lanterns** have been mistaken for UFO's in the past - and these are often released without regard for how close they might get to aircraft. In 2018, an airplane narrowly missed a lantern while cruising at 20,000ft and despite being relatively thin these can still cause damage if ingested into engines.

In 1970, Aeroflot 1661 crashed shortly after take-off after colliding with a weather balloon. However, Radiosonde balloons are generally Notamed given their size and proximity to airports when released, so you should be aware of these in advance.



Tiny alien ships

Rocket Launches. And other launches for that matter. An experimental rocket test in Norway caused concern after atmospheric conditions produced a bizarre illusion in the skies. It was in fact a missile test from Russia which went wrong, resulting in a spectacular (and presumably quite expensive) cloud.



Unusual illusion and rocket test gone wrong

Rocket launches mean prohibited airspace, so when they are going up they shouldn't be an issue to aircraft. The FAA are reporting rocket launch site on charts nowadays, and you can find launch dates published on their Temporary Flight Restrictions page.

Clouds. Yep, weird clouds have confused people into thinking a spaceship is loitering nearby. Lenticular clouds often form over mountains when moist air is pushed up over them. The time to watch out is when you see lines of these sitting beyond the mountain crests because they can mean some pretty serious mountain waves are out there - and this means turbulence.



Cape Town is a popular holiday spot for UFOs

Other planets, even the Moon, have been mistaken for other flying objects by pilots.

A crew once took evasive action because they mistook Venus for another aircraft. In all fairness, they didn't think it was a UFO so much as a C130 known to be in their near vicinity. This incident boiled down to a loss of SA, and a lot of fatigue.

Then there are **drones, UAVs, UASs.** The FAA have a website dedicated to reports on sightings of these, and it is important to report them because they are a genuine threat to aircraft when they encroach on airspace they should not encroach upon.

So, do we need to keep an eye on the sky?

Regardless of whether you think something is terrestrial or extra, **if there is an unidentified object in your airspace - report it.** It might be a real and immediate hazard to other aircraft, and recognizing what you see out there for what it really is will also help avoid the real threats.

A preliminary US intelligence analysis of unidentified aerial phenomena has concluded that such incidents are at least a threat to flight safety and potentially present a broader hazard. Particularly because they are often physical, and are one more thing inside already cluttered airspace.

Of course, UFOs might really be aliens coming to say hello. Some of the mysteries are still, after all, unsolved...