



June 4, 2010
Falcon-9 second stage
post-insertion prop venting
observations from SE Australia



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FINAL DRAFT

SUMMARY

- FIRST-EVER FALCON-9 ORBITAL MISSION
- LAUNCH DELAYED INTO WINDOW SO TWILIGHT CONDITIONS OVER AUSTRALIA NOT ANTICIPATED
- Second stage lost roll control during ascent.
- An engine restart attempt failed because of the roll
- PLANNED RESTART TIME NOT KNOWN

June 4, 2010 ufo
East coast of
Australia
at 19:48 UT



- 2010 Jun 4 1845:00 UT
- Designator '2010-026A'
- Dragon Qual Unit. "Dragon Spacecraft" FIRST ORBITAL FLIGHT
- $i = 34.50^\circ$ // $H_p = 236.6 \text{ km}$ // $H_a = 273.3 \text{ km}$ // $P = 89.47 \text{ min}$
- DRAGON/FALCON 9 R/B
1 36595U 10026A 10155.91803255 .00078673 32520-5 10000-3 0 41
2 36595 34.4959 40.7086 0023426 215.5471 255.2519 16.05715940 20



Monique Bevan snapped this photo near Banora Point in NSW.

Falcoln-9 stage-2 orbit venting // 2018 Mar 20

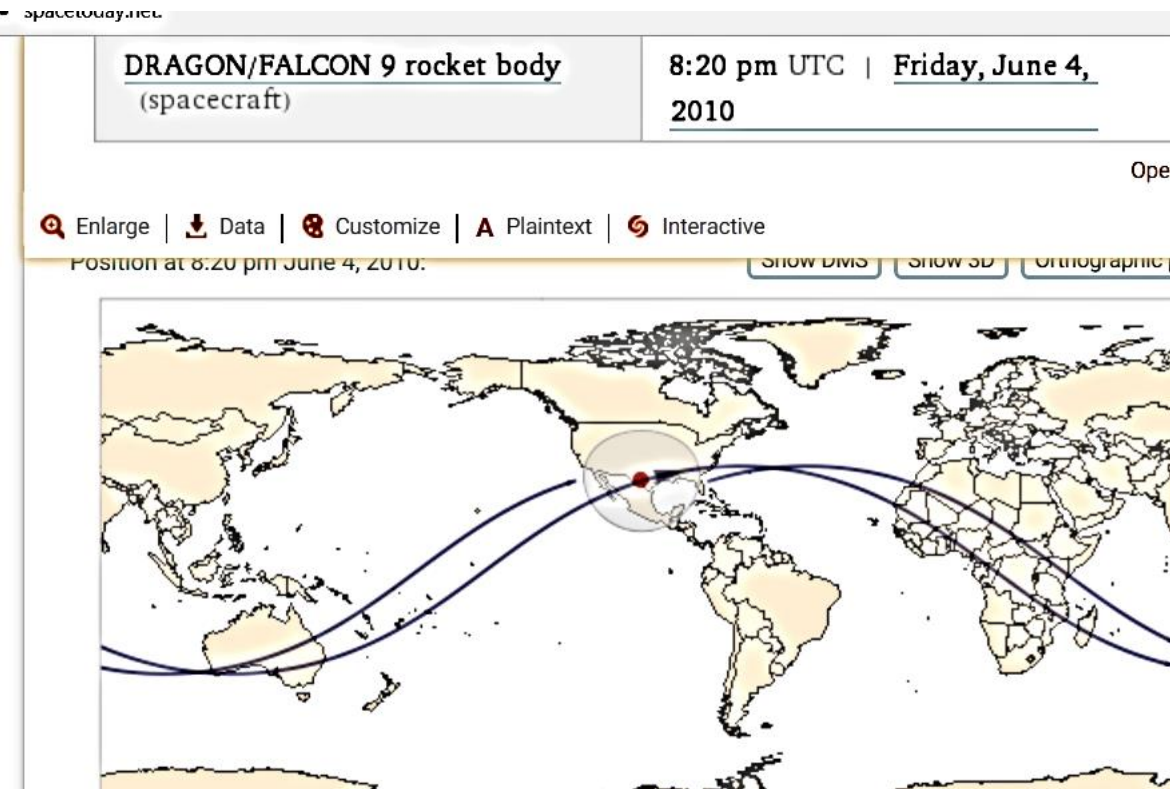
Actual ground track

Australia June 4, 2010



- Link tbs

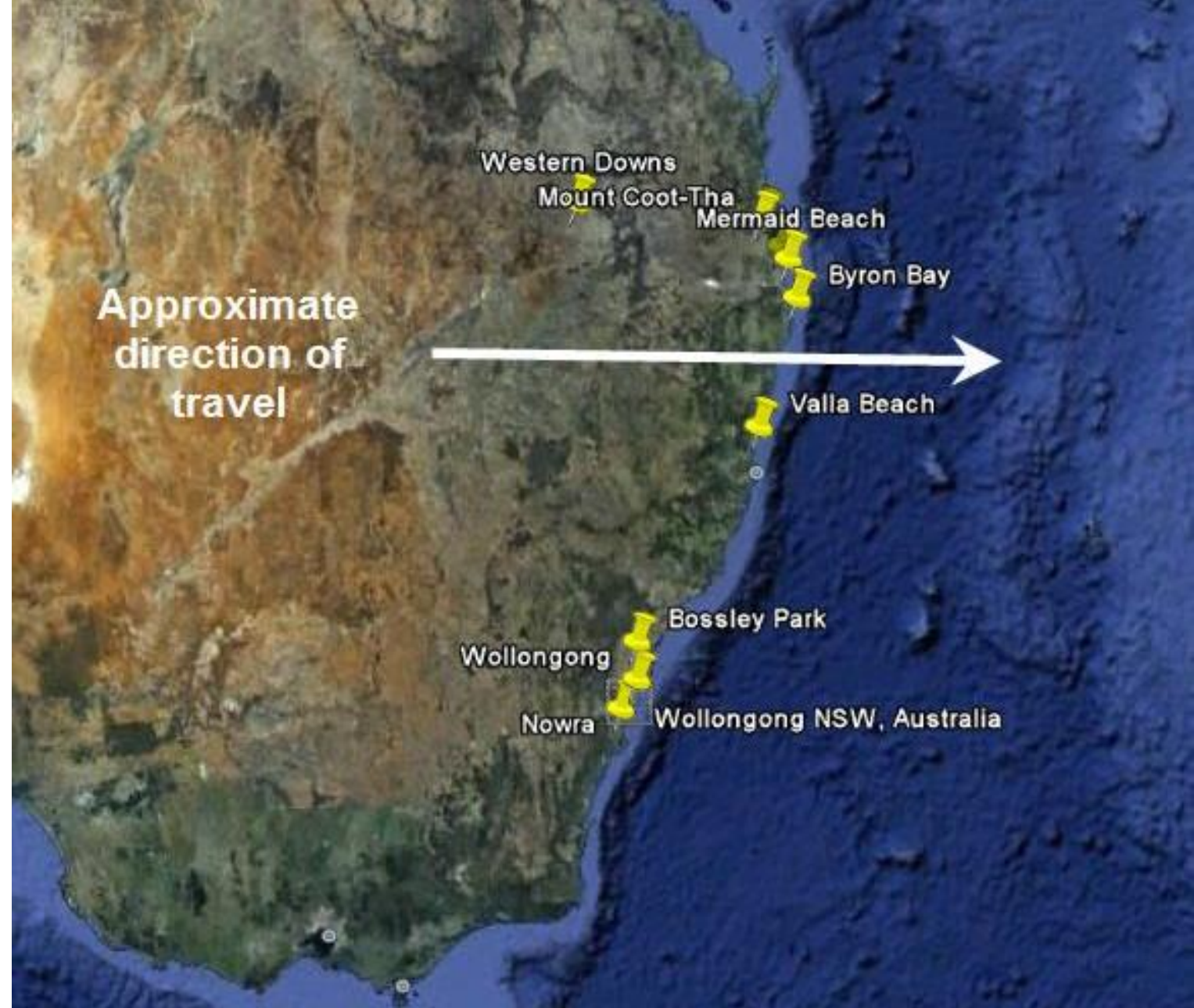
“WOLFRAM ALPHA” COMPUTATIONAL KNOWLEDGE ENGINE
location of earth satellite 2010-026A on June 4, 2010 at 20:20 UTC
<http://www.wolframalpha.com/>



LOWER PATH IS FIRST ORBIT

Australia June 4, 2010

Map of reporting sites [per comment from 'Tauristercus']



Australia June 4, 2010

SEEN UP AND DOWN THE EAST COAST



WHY SHOW SO MANY DETAILED EYEWITNESS REPORTS?

- COLLECTING ALL AVAILABLE WITNESS REPORTS SERVES SEVERAL PURPOSES
- IF THEY SEEM TO BE TOO REPETITIVE OR UNINTERESTING, SKIP TO THE END OF THE SECTION
- BECAUSE THE APPARITION IS SO FAR BEYOND A WITNESS'S EVERYDAY EXPERIENCE BASE, THE DESCRIPTIONS MAY ONLY BE APPROXIMATE, AND ANALYSTS MUST APPRECIATE THE LIMITATION
- ANY POST-EVENT ATTEMPT TO CONDENSE OR EDIT DOWN THE VERBAL PASSAGES THREATENS TO UNINTENTIONALLY INTRODUCE THE BIASES AND EXPECTATIONS OF THE CHRONICLER
- WITHOUT PRESERVING THE FULL RANGE OF PERCEPTIONS AND INTERPRETATIONS, ANY FUTURE ATTEMPTS TO WALK-BACK NEW VISUAL REPORTS TO INTERPRET THE NATURE OF UNDOCUMENTED SPACE EVENTS WILL BE IMPEDED, IF NOT RENDERED TOTALLY UNACHIEVABLE
- RAPID THOROUGH COLLECTION OF ALL IMPRESSIONS IS CRITICAL TO AVOID IRRETRIEVABLE LOSS OF TEMPORARY STATEMENTS AND COMMENTS ACROSS THE INTERNET, ESPECIALLY AS THEY ARE USUALLY VERY POORLY KEYWORDED FOR ANY LATER SEARCH ENGINE APPLICATION
- IN MANY CASES, PSEUDONYMOUSLY POSTED COMMENTS CAN PROVIDE ACCESS TO ORIGINAL WITNESSES FOR FOLLOW-UP QUESTIONS BUT ONLY IF DONE PROMPTLY AND DIPLOMATICALLY

Use and misuse of analogies

- THE EYEWITNESS REPORTS OFTEN REFLECT THE STRUGGLE THAT STARTLED PEOPLE UNDERWENT TO FIND ANY EARTHSIDE TERMS OR ANALOGIES TO USE FOR A ONCE-IN-A-LIFETIME UNEARTHLY APPARITION
- “LOOKED LIKE” IS A COMMON PHRASE WITH REFERENCES TO MANY ORDINARY-LIFE OBJECTS == HEADLIGHTS, ZIG-ZAG CONTRAILS, SPIRAL TOYS OR CANDY, FIREWORKS, SPARKLERS, FRUITS AND VEGETABLES, PARACHUTES...
- COMPARING THE VISUAL STIMULUS TO PAST SIGHTINGS [WHICH IS THE NORMAL COGNITIVE PROCESS] OPENS THE POSSIBILITY THAT UNDER SUBSEQUENT LATER RECOLLECTION, EXTRANEIOUS FEATURES OF THE COMPARED-TO MEMORIES CAN UNCONSCIOUSLY INSERT THEMSELVES SEAMLESSLY INTO THE NEW EXPERIENCE
- THIS MAKES IT ALL THE MORE IMPORTANT TO OBTAIN AND PROVIDE FULL VERBALIZATIONS FROM WITNESSES, UNPROMPTED AND UN-SUGGESTED
- QUICK FOLLOW-UP QUESTIONING NEEDS TO OBTAIN MANY USUALLY OMITTED DETAILS SUCH AS DIRECTION OF SIGHTING AND MOTION, ANGULAR SIZE AND SPEED [ONE FIST AT ARM’S LENGTH = TEN DEGREES], FLUCTUATIONS & TIMING
- IDEALLY, VERBAL DESCRIPTIONS SHOULD BE COLLECTED BEFORE SEEING IMAGES

MOST OF THESE EVENTS ARE SEEN AND REPORTED AS 'UFOs'

- Most primary witnesses did not recognize the apparition as a rocket launch manifestation
- For these witnesses, many descriptions included classic misperceptions of unusual objects at unknown distances in the sky, including speed, size, and course changes during the observation
- Sadly, most observers did not report potentially useful diagnostic data such as date/time, observer location, azimuth/elevation of object, time span and motion of object
- Many MORE commentators refused to accept the missile explanations – mainly based, when explained, on misinformation of realities of missile and space technology
- Nevertheless, the volume of such reports sometimes provided helpful insights into the event
- Volunteer cataloguers of such reports, around the world, are doing a genuinely important service to science, whatever their motives

NEWS REPORTS OF EYEWITNESS ACCOUNTS, INTERPRETATIONS

Canberra resident James Butcher says he was driving home from a night out with his brother when they spotted the "strange spiral light in the sky". "It had a distinct bright centre, much like a bright star, indicating an object **shedding light trails, spiralling and fattening out from it,**" he said. "The effect lasted only two or three minutes, moving and descending quickly out of view. The colour was yellowish but this may have been blurred and tinted by the morning fog."

Wollongong man Eddie Wise says he also saw the light during his morning walk just before 6:00am. He says he has never seen anything like it.


"It was like a yellowish, greenish light with a light spiral around it," he said. "It sort of **moved around, bobbed up and down and then it went behind a cloud.** I'm just amazed. I want to know what it was."

A caller to the ABC, Robyn, says she saw the phenomenon from her home on Sydney's north shore just before 6:00am.

She says it was over within two minutes. "There was this white light up in the sky like a **huge revolving moon,**" Robyn said. "At first I thought it was the moon but it was travelling so fast, high up above the eastern horizon and **twirling** as it went. "It was just amazing and to be quite frank, I was quite frightened and my heart's still pounding."



Lance Godwin took this photo in NSW[New South Wales].



Unknown Spiral Object Seen over Australia - see Video and Photographs

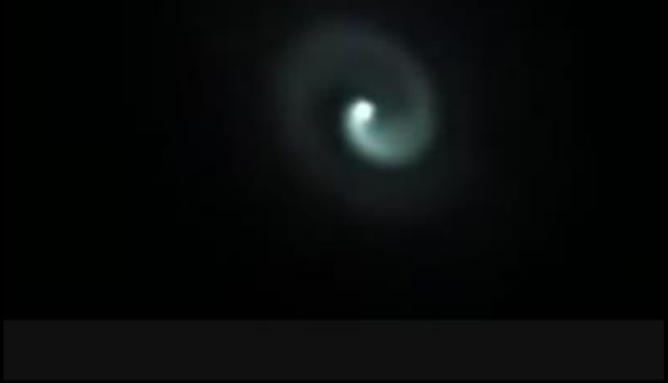
Published: 5:48 AM 6/5/2010

12:00 AEST Sat Jun 5 2010

Australia - June 4, 5, 2010

By ninemsn staff

Special Note: I have been informed by my good friend and UFO researcher from Australia, Alan Ferguson, that he heard that the spiral phenomena can be written off as a rocket launch by an exploration company. At this point, we have no confirmation that this is true. When new info is received, we will update the Australia spiral files. (B J Booth)



See images and video below article. We have combined three separate videos of the unknown object.

Editor's Note: There have been a number of photographs and videos taken of a type of aerial phenomena in Australia the last couple of days. Information on these sightings is coming in, and more information will be forthcoming.

- <http://www.ufocasebook.com/2010/australiaspiral.html>

ELON MUSK AMUSED BY UFO REPORTS

- "I heard people in Australia thought UFOs were visiting :)," SpaceX's millionaire founder Elon Musk told SPACE.com in an e-mail. "The venting of propellants, which is done to ensure that an overpressure event doesn't produce orbital debris, created a temporary halo caught the sun at just the right angle for a great view from Australia. I thought the pictures looked really cool."
- <https://www.csmonitor.com/Science/2010/0611/Australia-UFO-What-the-heck-was-it>
- =====
- NATIONAL UFO REPORTING CENTER
- Sydney (Australia)
- Sighted on Saturday 05. June 2010
Reported on Friday 04. June 2010
Shape: Egg | Duration: 2min
Source: NUFORC
- White bright light, spinning with a circular trail around it, snapped a photo of it. Kind of Egg Shaped light, spinning across the sky from West to East Leaving a Spiral trail that was moving with it, very bright white light. No sound though there was a commercial plane some distance behind.

More discussion

- <http://www.abovetopsecret.com/forum/thread579277/pg1>
- <http://www.abovetopsecret.com/forum/thread580440/pg1>
- [https://www.cnet.com/news/falcon-9-rockets-into-space-in-dramatic-
maiden-flight/](https://www.cnet.com/news/falcon-9-rockets-into-space-in-dramatic-maiden-flight/)
- Really far out <http://nexusilluminati.blogspot.com/2010/07/did-rocket-haarp-or-etufos-cause-june-5.html>
- Skeptical analysis ==
[https://vicskeptics.wordpress.com/2010/06/06/spiral-
%E2%80%9Cufo%E2%80%9D-reports-from-the-east-coast-of-australia/](https://vicskeptics.wordpress.com/2010/06/06/spiral-%E2%80%9Cufo%E2%80%9D-reports-from-the-east-coast-of-australia/)

UFO DISCUSSION GROUPS

- Meandi June 5, 2010 (edited) == Hi here is some info on a UFO object flying over Eastern Australia....I saw it myself personally as it whirled pass my unit got a good 10min view of it crossing the sky. Perhaps a Harp Experiment...
- Raina == If these spirals are caused by rocket launches. Why is it that in the years and years that they have been sending up rockets and other things that **we are only recently seeing these pretty swirlies in the sky?**
- <https://www.unexplained-mysteries.com/forum/topic/183549-ufo-spotted-over-eastern-australia-june-5th/>

[continued - skeptical of rocket story]

Australia June 4, 2010

- Xiphos [June 6] == **The rocket has nothing to do with this UFO case.** The sightings were reported to have been seen an hour **before** this thing took off. Besides for it to be seen in numerous states/cities across **Australia, the magnitude of this rocket would have to be immense. Which it most certainly** wasn't. This is a false article and has been proved wrong by hundreds of people. Remove or edit it please.
- Hdihnen == This article is a load of CRAP. Everyone needs to pull out a world map and put a finger on Cape Canavarel, and Australia. And **where are all the supposed witnesses in between the US and Australia.** This is the same spiral type of spiral that was seen over Norway and it was no rocket.
- Xiphos == The rocket lifted off an hour BEFORE the reported sightings took place. A rocket takes 5-10 mins to leave our atmosphere and enter space and in the process **exhausting it's primary lift-off fuel.** Please explain that. And it wasn't hundreds of people, my mistake. It was **thousands** who all reported seeing this a full hour **afterwards.**
- Sorry Saru if i'm sounding a bit harsh on you but i hate it when something isn't explained, people take the closest & most logical solution. In this case the rocket had nothing to do with this UFO and was merely a suggestion that's gone viral.
- Sickpuppy [June 11] == some of the people interviewed for local TV news bits describe the thing as **darting all over the sky.** others scoffed at the notion that it was a rocket.
- <https://www.unexplained-mysteries.com/forum/topic/183624-us-rocket-launch-sparks-australia-ufo-frenzy/>

SAME ARGUMENT AGAINST ROCKET

- Redman [05-06-2010, 10:46 AM] == Space junk, a satellite, or a rocket.... HA HA HA. Get to fuck, if that was the case then we would of seen this phenomenon a lot more considering there has been space junk up there for decades, satellites have been up there for decades, and rockets have been getting fired for decades. Also add to that, it looks absolutely fuck all like all three mentioned. It's a big spiralling bright white light in the sky for fuck sake.
- ODDBLOCK == I don't believe that these are rockets because if they were we would have seen many MANY more photographs and videos of the phenomena over the years.
- there is an active thread with ongoing discussion already in place

<http://www.davidicke.com/forum/showthread.php?t=119192>

- <https://forum.davidicke.com/showthread.php?s=3da0d5fedcf7556c9ab833337ecd555f&t=119192&page=11>

http://satobs.org/seesat_ref/misc/Space_clouds-Strange_Spinoff_of_the_Space_Age.pdf

“rodson” reports [Australia, June 4, 2010]

I myself am a long time lurker here, and having seen this "Thing" this morning decided I had something to add to this topic, so joined.

When i arrived at work this morning - 5.50am (Carole Park , Brisbane), there were 4 or 5 guys outside the gates, shouting and pointing at the sky as i pulled up. As I got out of the car, my instantaneous reaction was they were pointing at the moon, with weird cloud formation around it, until i then realised there was a bright light with **a swirl effect** around it traversing the sky, which had the luminosity of the moon. **The bright light didn't look to be in the middle of the swirl ,more towards the edge.**

The spiral around it seemed to be dissipating from the end of the swirl back.

It traversed from above one side of the factory (to my right) and kept the same speed - as far as i could tell- until it disappeared behind the trees towards my left. It also seemed to be following a slight curve from East to North. very little cloud in the sky, but it passed behind a smattering of cloud and shone right through.

Now the following is speaking to the guys that were there before I was, one guy said when he first saw it further towards the east, he saw **the spiral rotating, but I only saw the spiral stationary as it traversed the sky, he also states he saw an cigar shape in the middle when the spiral was still rotating, but i only saw a bright light** when I got there 3 or so minutes later.

Another guys said he saw it when he opening his roller door to get the car out at home and he saw it **move up and down** before going across the sky.

I've always said to myself why can't people get better pictures of this stuff when it happens instead of blurry dark crap.... But now i know because 5 people tried to take pictures with there camera phones and they all turned out #...

- <http://www.abovetopsecret.com/forum/thread579277/pg6#pid8953453>

June 04, 2010 // eyewitness comments on internet

Spotted this **huge spiral light** in the sky at 5:50 am June 5th 2010. By the time my partner got her digital camera out it was disappearing into the horizon and was surrounded by cloud. I first thought it was the moon with a storm in front of it but then noticed the moon on the other side of the sky. Moved at a slow and steady pace right across the sky. A bright light approx a 1/4 of the size of the moon with a perfect spiral **throwing off light around it**. I was watching from Nowra - 2hrs south of Sydney, Australia.

i live on the Gold Coast in Queensland Australia and witnessed this most freakish sighting this morning(4 hours ago..). i am not a UFO poster, but come to ATS for its angle on Current Affairs etc...

I work outside and started at 5 am this morning(I work at Dreamworld for the Aussies reading this, in Coomera)...at 5.52am (I checked) I saw the Aussie version of the Norway Spiral.. large spiral (not helix) moving from south to East and out to sea. It had no sound. colleague and I stood flabbergasted as this thing passed across the sky. The whole event took perhaps (as reported..) about 2-3 minutes. Half way thru its path it changed from spiral to elongated in shape, like a very thin ellipse.. throughout the time the "object" appeared to have a mist (ala Norway) in front of it which softened the light slightly. As the object morphed into the "ellipse" **the "mist" changed into a sort of "smoke ring" which surrounded the object**. It headed in the direction of the soft orange glow of the sun which was about to rise....interestingly, I immediately noted that other stars in the sky were 100% visible....I do not believe the "mist" was from clouds...most strange!! The path of the "thing" was horizontal, not falling to earth in its trajectory.

Byron Bay (as seen on above video) is about 45 minutes by car... The odd thing is the sightings all seem to be at the same time. A woman in Sydney said she saw it at 5.55am, approx. the same time I did, and yet Sydney is 1000 km away...does this indicate how BIG this thing was??

Queensland Australia, June 4, 2010

A number of people from Morayfield and Caboolture in Queensland have reported that they too saw a white light in the sky about 5:50am.

"It was just the one light. I just came home from my walk and I happened to look up in the sky, and here it was racing across the sky," Linda told 612 ABC Brisbane. "I bashed on the window for my husband to have a look and he flew out. "It was spectacular." Linda described the light **as like a lollipop swirl**. She says the light came from the west and was headed east, out to sea. "It was just unreal. There was [JO: "NOT"??] a cloud in the sky - just this light with **a swirl in the middle**," she said.

Peter, from Balmoral, says he saw the light while he was on a ferry terminal on the Brisbane River. "It certainly had that lollipop-type swirl ... but it was travelling low and fairly fast, and as it went past me and I looked up, **it looked like a row of lights**, maybe four lights," he said.

Denise, at Pine Mountain, told ABC radio in Brisbane that she saw the lights shortly before 6:00am. "I got up at about 5:45 to let my horse out of his stable ... and I saw this coming from a north-west direction towards the south-east," she said. "There was no noise. It was **like bands of ribbon coming out of it** and it looked like it was coming through a cloud, yet there were no clouds."

Useful size and motion descriptions – why can't some MORE witnesses provide such excellent information?

- Benoni = Continuing on from the size thing, I forgot to mention (just remembered actually...) that whilst watching it in the sky I tried to compare it in size to something... Although the above video doesn't confirm it, to the naked eye it was about the same size as the "circle" created when you touch your index fingertip onto your thumb-tip... From arms length, the thing in the sky was about the same dimension as the finger-circle I have just described....all the pix I have seen show it be a small star-like light, which it most certainly was NOT...
- Sleeper cell = also saw this spiral from Hervey Bay... It disappeared due east at about a -70 degree angle to horizon.... Into sunrise. It starts at about SSW, 35 degrees high from horizon. At the highest point of its arc it was about 45 degrees high and at this point it appeared as though we were looking at a 2d object from the side. When it first appeared it was a symmetrical spiral. It was a perfectly clear sky. Due to the arc and 2d nature, the object appeared as though it was in a circular orbit of a horizontal plane at a very high altitude.
- Australia [June 4, 2010] -- <http://www.youtube.com/watch?v=1W1SN-V9FPU>

Explanation at amateur satellite tracking page

- Ted Molczan:
- The Falcon 9 test payload, which is attached to the rocket's 2nd stage (10026A / 36595), appears to account for the phenomenon. It exited eclipse (umbra) on Jun 05 at 05:48:06 AM local standard time (Jun 04, 19:48:06 UTC) at azimuth 229 deg, elevation 16 deg; culminated at about 05:49:42, at az 161, el 42; and passed below 10 deg elevation at 05:51:57, at azimuth 86 deg. Angular velocity at culmination was 1.2 deg/s.

This is consistent with the approximate time, direction of travel (SW - NE, W - E), and the apparent high speed, reported here: [ABC news site].

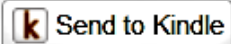
This occurred about 65 min after launch, so perhaps the 2nd stage was dumping excess propellant. **Similar actions by Centaur stages have always resulted in spectacular cloud-like formations.**

The pass I described was for Brisbane.

- <http://satobs.org/seesat/Jun-2010/0055.html>

UFO sightings across Eastern Australia launch of new rocket?

June 5, 2010 | By Paul Floyd | [Add a Comment](#)



Post updated 5pm AEST

Reports have been coming in from across Eastern Australia about a strange light which spun as it traveled across the sky this morning. A photograph of the light and interviews with eyewitnesses can be found [here](#) on the ABC News website. A video of the object spinning can be found [here](#). A photograph of the object taken from Broadbeach on the Gold Coast can be found [here](#).

At this stage, the object is thought most likely to be the just launched Falcon 9 rocket. The Falcon 9 rocket was launched this morning from the Cape Canaveral U.S. Air Force base at 5.29 am AEST. Members of the See-Sat L observers list have confirmed that this is the object seen.

A similiar spiral was seen on 9 December 2009 when the Russian military launched a Bulava ICBM. The same spiral shape was seen as the rocket progressed through its flight. The interesting thing though is that the spiral was caused by the rocket going out of control.

The most likely explanation is that the second stage of Falcon 9 was commanded to vent excess fuel once it had separated from the payload. This is usually done to reduce the threat of the fuel tanks exploding (so that there is only one extra piece of space junk in space rather than many).

A news story about the 9 December 2009 spiral can be found on Youtube.

Australia June 4, 2010

This website is maintained by Paul Floyd. I am an amateur astronomer (and school teacher) with 25 years experience (as at 2015) in running a range of education and public astronomy outreach activities. As of January 2015, I have been providing astronomy information via the WWW for eighteen years.

Australia June 4, 2010

VIEW FROM
AIRLINER
OVER SOUTH
AUSTRALIA
[COURTESY
'tauristercus']



- There's also apparently a sighting from much further west ... coming from South Australia. The following image was taken by Paul Dallow from within the cockpit of an Airbus 330 above Ceduna, SA which gives further corroboration that this was indeed a high altitude event.
- <http://www.abovetopsecret.com/forum/thread579277/pg6#pid8953388>

Pre-dawn surfer report

- Gold Coast pro surfer, Chris "Ibis" Bennetts drove to South Stradbroke Island early Saturday for a routine wave. He was anticipating a fun surf. He wasn't expecting to see a UFO.
- Conditions were prime. It was cloudless, the sunrise was polished and a groomed three-to-four foot groundswell was running. As he was suiting up in the fresh morning air, something peculiar appeared in the sky.
- "I looked up and saw this thing like a comet, but it wasn't moving and didn't have a tail," Bennetts explains. "Usually when you see a shooting star it's really bright and it moves super fast then just fades out, but this thing stayed the same brightness with weird misty stuff **swirling** around it, and it all moved as one.
- **"It hovered sideways, then dropped down a bit, moved sideways again and sped off towards the horizon, and just disappeared," he said.**
- Bennetts reckons it was the weirdest thing he's ever seen and admits to almost freaking out. "There were a handful of surfers in the carpark all staring up as if they were hypnotized or something," he says. One of the other guys with him, Noah Lane, thought it was doomsday.

<http://xgames.espn.com/xgames/action/surfing/article/5260068/aussie-surfers-spot-ufo>



Early-morning UFO mystery

HeraldSun

June 4, 2010 9:15pm



DOZENS of people across Australia have reported what they believe to be a UFO sighting early this morning.

The *Sunday Herald Sun* has been contacted by people living in Melbourne, New South Wales and Queensland after seeing a bright light in the sky about 5am.

The light was making a spiral formation and could be seen heading west.



“It was really weird,” early-riser Matt said.

Matt had been fishing with friends in Werribee South and saw the light as they were coming back from their early morning out on Port Phillip Bay.

“We tried to take photos with our phones but all you could see was black,” he said.

A possible explanation might be a Falcon 9 rocket that was launched by NASA from Cape Canaveral, Florida.

Video = http://player.video.news.com.au/heraldsun/#Zg8MH6EpNr2Lj0HY6z7l41C56_lljtsw

<http://www.heraldsun.com.au/news/early-morning-ufo-mystery/news-story/8cd5fb6eb299a8d4885826797d7a54cc?sv=a90cfb72b05adeb93932553541802b28>

Herald Sun – no provenance, not linked from archive



<http://resources3.news.com.au/images/2010/06/05/1225875/806427-ufo.jpg>
readerfeedback@heraldsun.com.au & news@heraldsun.com.au



Artist's Impression: A reader from Brisbane's northwestern suburbs - who is also a forensic artist - prepared this approximation of the light pattern he saw in the sky just before 6am on Saturday. His report is one of many being made today after the bright light was seen from many suburbs up and down the southeast Queensland coast. Source: The Courier-Mail

JO: IS THIS HIS VIEW LOOKING WEST [DURING APPROACH] OR LOOKING EAST [DEPARTURE]??

<http://www.couriermail.com.au/news/multiple-reports-of-a-bright-light-moving-strangely-in-the-dawn-light-over-southeast-queensland/news-story/2fdfbe7244459a5caa31ac900bf34138>

Image <https://redice.tv/news/norway-spiral-spotted-in-queensland-australia>

Multiple reports of a bright light moving strangely in the dawn light over eastern Australia

David Murray, The Sunday Mail (Qld) // June 4, 2010 8:32pm

- Early risers inundated *The Sunday Mail*, radio stations, the police and even search and rescue services with reports of an object shooting across the sky about 5.45am.
- Officials at agencies from the weather bureau to the Defence Department could offer no explanation.
- UFO Research Queensland spokesman Pino Pezzimenti said it was "extremely unusual" for a UFO to be seen over such a wide area and for such a long time.
- Witnesses were quick to compare the light with a similar recent sighting in Norway.
- Senior Sergeant John Garner was attempting to rescue his cat from his roof at Ferny Hills in Brisbane's north when the UFO soared across the sky.
- "The light was very unusual in that it consisted of a central light surrounded by a spiral anti-clockwise halo," he said. "The speed and direction remained constant during the flyover, perhaps 40 seconds in duration." [MORE]

<http://www.couriermail.com.au/news/multiple-reports-of-a-bright-light-moving-strangely-in-the-dawn-light-over-southeast-queensland/news-story/2fdfeb7244459a5caa31ac900bf34138>

The Sunday Mail [continued]

Ben Harris – who has written magazine articles on UFOs – had just taken his wife to work at Taigum in Brisbane's north when he saw the light and took 18 photographs with his mobile phone camera.

"It's absolutely freaky. I believe I'm a good sceptical person and if you ask me what it is, I'll honestly tell you I don't know," he said.

Sam Carlow, 12, who has a keen interest in astronomy, had the experience of a lifetime when his father spotted the light from their home at Wakerley in Brisbane's east.

"It was a pretty intense light," he said. "It looked like bits breaking off so it could be space junk or an ice comet or anything really, but it looked nothing like a plane."

Jeff Hannah, from Redcliffe, was out jogging with friends when he saw the "perfect spiral of light".

"I realised soon it was not the moon but that it was shooting like a comet **from the southern sky and off into the northwest**," he said.

Another witness, who wanted to be known only as Tom, reported seeing the light while driving near Wondai, 240km northwest of Brisbane.

A police spokeswoman said: "We have received calls from the Gold Coast, Brisbane and the Sunshine Coast."

<https://wemustknow.wordpress.com/2010/06/10/ufo-june-5-2010-australia-vortex-ufo/>

- June 10, 2010 == UFO June 5 seen up and down Australia's east coast by thousands of people. The UFO was massive, a bright object in the sky just before dawn, it was spiral in shape and slowly moved eastward at high altitude. It was very big, bright and very spooky. Thousands of people in Victoria, New South Wales, Australian Capital Territory and Queensland saw the UFO.
- Another spiral. Interesting to say at least.

<http://www.latest-ufo-sightings.net/2010/06/ufo-spiral-spotted-over-eastern.html>

- June 6, 2010 at 2:28 am == we saw it on the sunshine coast too
- June 6, 2010 at 3:53 am == I love how they say this was a satellite or rocket stage burning up in the atmosphere. We've been firing off rockets, and had satellites up there orbiting for years, and now twice, within months of each other, we see spiraling things in the sky that have never been seen before. And it's just a rocket. Or satellite. Sure.
- June 6, 2010 at 1:21 pm == It may well be the rocket they are talking about but you can bet there will be no proper investigation just to make sure we are kept in the dark.

MUFON Case # 23621

Date: 06/05/2010

Time: 05:50

Location: Brisbane, Australia

I saw a spiral in the sky @ 5.50am 5 June 2010
Brisbane. It was about the size of an orange and
had a bright light at the centre and a spiral but it
wasn't spinning. It travelled across the sky and
disappeared over the horizon after 2 min.



- We were in Munna Street Wilston Brisbane facing South about to head off for a bike ride.
- Looking ahead you couldnt miss it. It was huge.
- I have never seen anything like it before, it was mesmerizing, so much so I didnt even think to video it on my phone.
- http://1.bp.blogspot.com/_fovhRDRsH7k/TAndD81KKjI/AAAAAAAAABHQ/04goX7X-GAI/s1600/23621_Spiral2.jpg
- Photo http://www.mufoncms.com/files/23621_submitter_file1__Spiral1.jpg%20

- It had a very bright light in the centre and 5/6 clockwise spirals which travelled about 270 degrees around the center and faded off.

The spiral travelled from SSW 210, over our heads to 90 west and disappeared over the horizon.

The spiral did not rotate but moved across the sky at speeds slightly slower than an aircraft.

As it approached the horizon in the west the shape changed as if we where looking at a spiral from behind, the spiral was more cone like in appearance.

- It looked similar to the one in Norway but the spirals did not rotate around and around the center like that one.

The morning sky was still black and crystal clear. The moon was visable with no halo around it. Stars could also be seen.

- Just felt as if it was the coolest thing I had ever seen. And a bit of WTF!

MUFON Case # [23623](#)

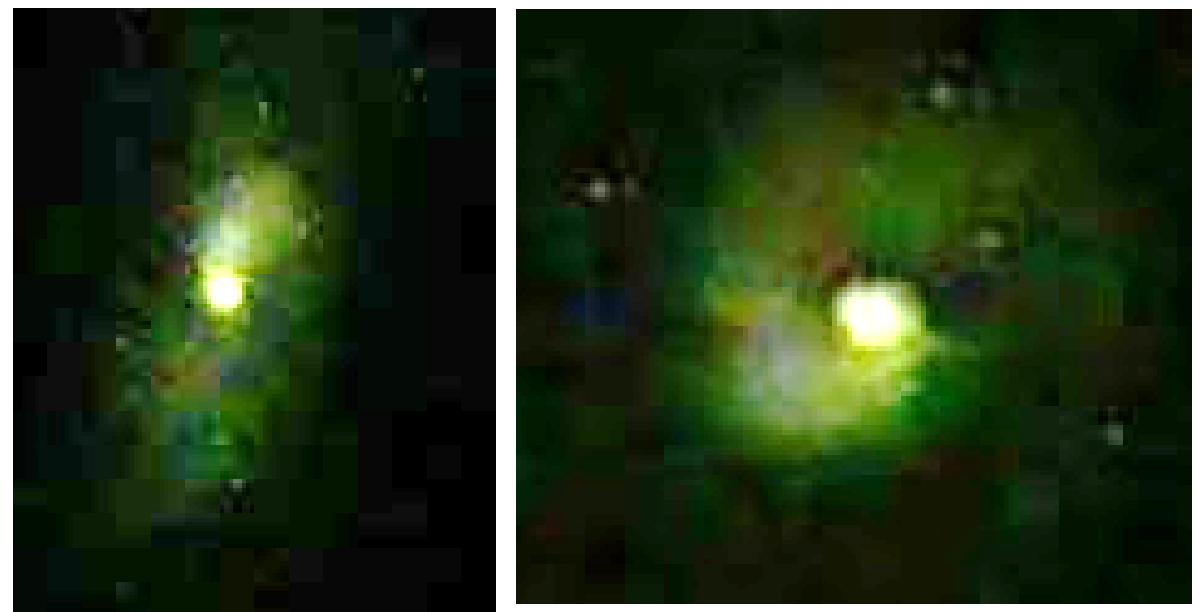
Date: 06/05/2010 Time: 05:48

Location: Brisbane, Australia

UFO with spiral seen over Brisbane

http://www.mufoncms.com/files/23623_submitter_file1_05062010013.jpg%20

http://www.mufoncms.com/files/23623_submitter_file2_05062010014.jpg%20



- PHOTOS CROPPED & OVER-BRIGHTENED; ORIGINALS ON NEXT PAGE
- A police officer took these two photos from a mobile phone at 5:48am EST after observing an object travelling North East across the sky above North Brisbane, Australia. The object was described as having a bright centre with a spiral emanating from it. The source compared the object with the Norway sighting in December 2009 only the centre was brighter and more defined. The object was observed for about 5 minutes by more than one person before disappearing on the horizon.



The “never-rocket” spokesmen pontificate

MaximumKahnage == sometimes sh*t is exactly what it looks like and **that looks like a wormhole or portal** I'm not saying that's what it is because I don't know but if I see a duck I call it a duck not a rocket that's retarded a more logical explanation is that it's the sun's rays reflecting off of a part of the Earth's magnetic field like the aurora borealis but more concentrated rather than dispersed that makes more sense than a rocket **even a flashlight makes more sense than a rocket**

<https://www.youtube.com/watch?v=N74l1XHVOTc>

HANKPT == The only way a rocket could cause a spectacle like this is if it was venting/exhausting... and **1hr after its launch there is no way anything could be still coming out of this thing** by the time the rocket passed over our east coast 1hr after the launch. "9 mins" people is when the rocket made it into its orbit and stage-2 totally spent.. **there is no way this thing would have still been venting anything 1hr later.**

<https://www.youtube.com/watch?v=N74l1XHVOTc>

UFO GROUP SKEPTICAL OF EXPLANATION

Australia June 4, 2010

<https://www.youtube.com/watch?v=zFm8tReb9T0>

But Doug Moffett from UFO Research NSW New South Wales] says he has a few problems with this theory.

"Firstly, the time of the launch was 18.45 GMT, which translates to 4.45am EST, the duration of the flight was 9 minutes 38 seconds - this is a full hour before the reported sightings," he said.

"Secondly, where was the glow from the boosters or from the friction created by the craft moving through the atmosphere, where was the tail of the rocket?

"Thirdly, why would anyone launch a rocket on a maiden test flight with a trajectory that would take it over the most heavily populated parts of Australia?

"And how big must this rocket have been to be seen so clearly, at the same time, over such a vast distance?"



<http://www.bluemountainsgazette.com.au/story/4573361/springwood-taxi-drivers-et-experience/>



DOUBLE FACEPALM

FOR WHEN ONE FACEPALM DOESN'T CUT IT

Oberg contribution to real-time online discussion

You are, like most other humans, extending your wide familiarity with earthside phenomena, into outer space. But outer space is 'unearthly', and the deductive and inductive processes which do serve us well down here will fail us and betray us if we try to apply them to up there.

Example: "by the way shouldn't it be coming out directly to the rear of the trajectory of the missile "

This is indeed reasonable for an aircraft, or even a rocket flying through the atmosphere. So the statement is well founded on a lifetime of perception and interpretation.

But in space, many new factors apply, and one is the near-total vacuum. This has profound effects on the way things look, effects that your comment suggests you haven't appreciated. You and a few billion others -- it's nothing to be ashamed of.

Stuff sprayed out of a space vehicle goes in the direction it is sprayed, off to the left or right as easily as towards the front or back. And as the object turns the spray paints a spiral -- sometimes sharp if the spray is a narrow beam, sometimes diffuse if the spray is low-speed wide-aperture dumping -- whose tightness depends on the spin rate and ejection speed.

The cloud expands and dissipates, and the molecules eventually impact the very thin air at those altitudes and slowly drop into the upper atmosphere in a few hours. But in the meantime, short-lived weird-looking clouds are created which -- under special illumination and meteorological conditions -- can be visible to ground observers.

It's unearthly, literally. Eerie -- hair-on-back-of-neck raising eerie.

But it's humanity's first genuinely new environment of activity in millenia -- well, maybe in forever. Expect to be baffled. But then, use your intelligence to figure out what's really appearing. Overcome your earthside mental reflexes. There's a whole universe out there, waiting for our minds to expand to be able to perceive it properly.

Oberg comment on value of studying these reports

The serious aspect of this particular visual phenomenon -- aside from the envy all of us who did NOT see it have for those who DID -- is that it provides a very useful 'control experiment' in human perception/memory of an unexpected and genuinely baffling apparition.

It is a humbling -- but eye-opening and instructive -- exercise in realizing the degree of unintentional error, distortion, and adhesion of random coincidences that such incidents create as a normal result of ordinary human perception and interpretation.

Apparitions that were undeniable 'space fuel clouds' of various shapes (based on the majority of witnesses and on identification of the actual source) have been seen for decades, have been reported to stall aircraft engines and interfere with radio and radar, to 'chase' ground observers, to respond to signals, and on several notable occasions (e.g., Dan Aykroyd's account) to send telepathic messages.

This is kind of scary when compared with other similar tales for which the prosaic stimulus (if any) cannot be identified -- is it because of the existence of a genuine anomalous event, or just due to perceptual garble?

Either way, the moral is -- watch the skies, perceive carefully (angular size, motion, line-of-sight motion, etc), refrain from jumping to premature interpretations (which colors the way the mind filters specific aspects of the raw perception), remember carefully, refrain from introducing supplemental themes, and share the tales.

Then discuss boisterously, as this thread is a wonderful example of, for which I want to thank everybody who has contributed.

Australia June 4, 2010

An 'undecided' observer ponders the spin evidence

- Well the debate rages, and I have found myself on the verge several times. The debunkers say that it was the falcon 9 rocket launched from Florida into orbit traveling from west to east. They speculate that it began venting extra fuel, or made a correction thrust; which was illuminated by the sun over the horizon as it left the eastern shores of Australia heading out to south america. It is a fact that the falcon 9 rocket was in the area of the sighting at the correct time, **however one major problem with this story is the direction of the spin.**

In the Falcon 9 launch video we can see its spinning in a clockwise direction looking down and west. The videos from Australia also show a clockwise spin, but if you saw it from behind and heading east the videos would have shown a counterclockwise spiral.

- We know for a fact that the spiral was sighted out over the water on the eastern coast of Australia, and the falcon 9 was traveling from west to east. **So save some miraculous reversal of spin it could not have been the falcon 9 rocket.**
- There was a camera on the falcon 9 missile body so it makes sense that they would record any fuel dump, or spin correction (both of which are pure speculation at this point)

Any fuel dump would be out the main thrusters, just not ignited. This would make a simple trail, rather than a spiral.

If it was a stability/correction thruster on the side of the rocket, **I cant imagine** that it would produce such a large, and bright light.

Oberg spinning the spin argument

I want to take this opportunity to mention the same kind of earthbound conceptual problem with arguments that the 'spin' of the object seen over east Oz was opposite the spin of the Falcon-9 stage, so it could NOT have been the same object.

Actually, if one assumes the spin rate continued, the 'opposite' sense of the spin proves it WAS the same object.

This is because a spin-stabilized object in space maintains its orientation in an inertial frame of reference, stable with respect to the celestial sphere [think of Earth's axis]. This is independent of any local horizontal frame relative to the center of the Earth.

See where this is going?

Such a spin stabilized object would keep pointing to its 'pole star' along its spin axis (as Earth does), even as it moved halfway around the Earth. But once it had moved that far, that line-of-sight would no longer be, say, back down the motion vector, it would have remained unchanged in an inertial frame but half an orbit later (180 deg in orbital motion) it would now have seemed to rotate 180 degrees in an Earth-centered frame of reference (local horizontal). It would be pointing forward.

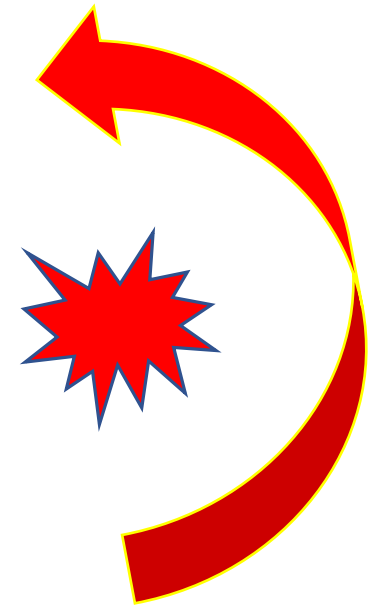
So the sense of the rotation, as viewed from a constant relative position of an observer, would indeed be reversed.

You can do this with a pencil (for the rocket) and a globe, at home. Shift the pencil from Florida to Australia while keeping its pointing direction unchanged relative to YOU ('inertial frame'). You will see the pointing angle swap end-over-end relative to an earth surface observer. Try it!

So the argument that a reversed sense of spin is proof the Oz object could NOT be the Falcon-9 is actually, due to the arguers' unfamiliarity with basic physics, **a powerful argument FOR the identity of the two objects.**

Rocket spin at end of launch

Australia June 4, 2010



<https://www.youtube.com/watch?v=VfOo7QAoZys>

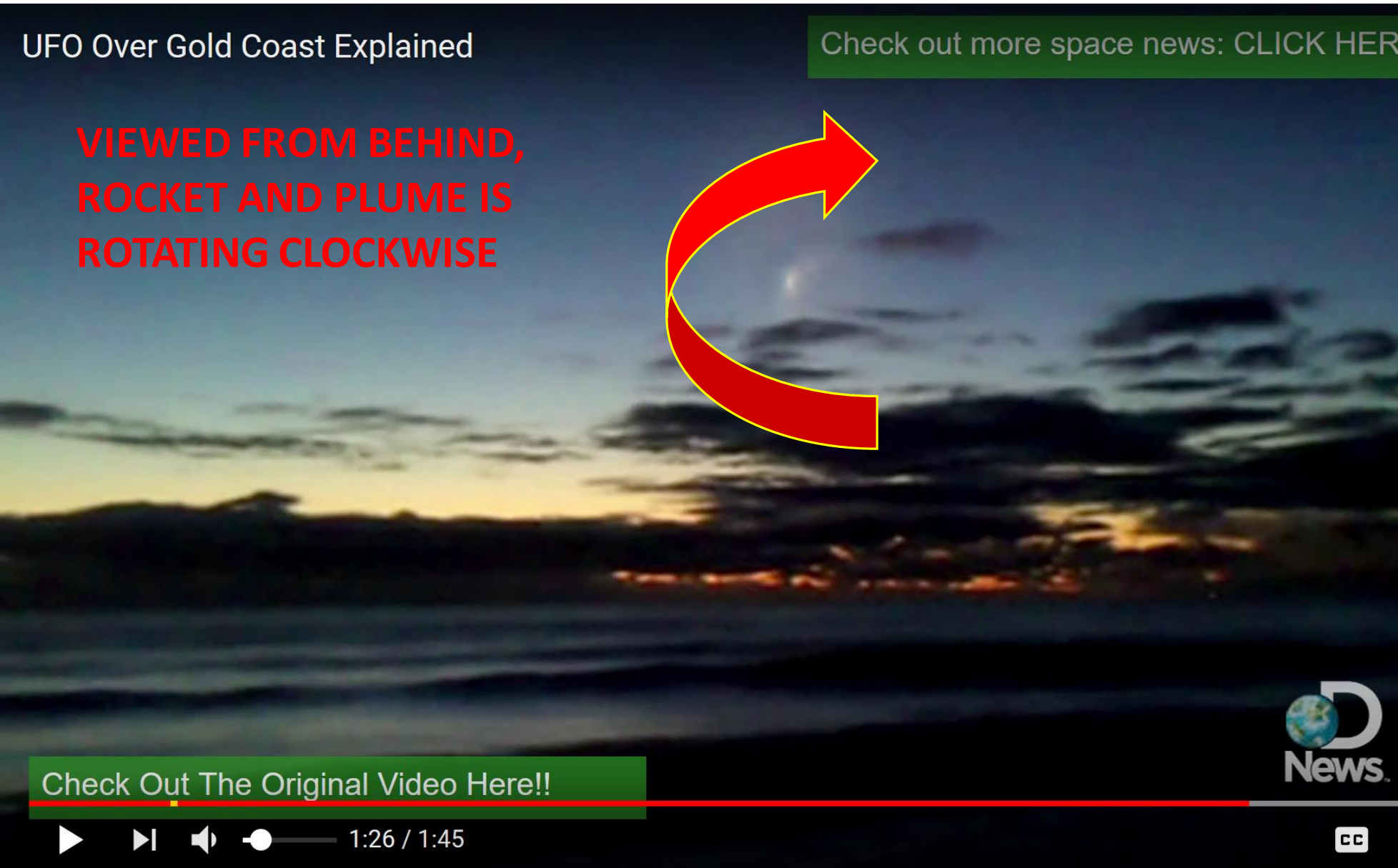
Falcoln-9 stage-2 orbit venting // 2018 Mar 20

**VIEWED FROM BEHIND,
ROCKET ALSO WOULD BE SEEN
ROTATING COUNTERCLOCKWISE**

Australia June 4, 2010

ROCKET SPIN 'DOWN UNDER'

VIEW TO EAST [OUT
TO SEA] TOWARD
SUNRISE, ROCKET
HAS NOW PASSED
OVERHEAD AND IS
SEEN FROM BEHIND



<https://www.youtube.com/watch?v=nbKQ9cKSwag&t=38s>

UFO over Gold Coast, Australia. June 5, 2010 // haribolman // 233,934 views

Harry Bolman



SEE NEXT PAGE
FOR REVISION OF
DESCRIPTION

KEEPING SPIN SENSE STRAIGHT CAN BE TRICKY



<https://www.youtube.com/watch?v=0XdbkpqtE0Y&t=12s>

I was on the beach, at the water's edge and **looked to the west** to see a beautiful, bright moon. Except it wasn't the moon! It was a bright light moving slowly east, towards me and surrounded by a swirling mist. **The mist rotated clockwise** around the bright, white light and followed it perfectly.

.... it was filmed on my touch screen Sony Ericsson Aino 8MP mobile phone, using Auto settings with Night Mode. I originally started filming without Night Mode, but I could only see a white dot on the screen and quickly realised it was a waste of time. In hindsight, I'm glad I switched to Night Mode and if I had done so sooner, you would have seen a longer video! (Although I sound calm in the video, I had been fumbling around nervously trying to remember how to switch to Night Mode, so it did take some time to get my act together! If the object had been much faster I would have missed it!!!)

Bolman update jan 29-30, 2018 [via Facebook]

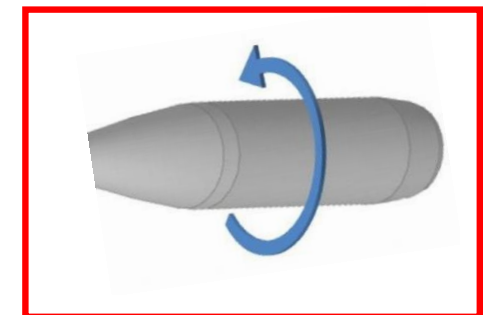
- Hello from Texas, I'm a retired 'rocket scientist' doing research on rocket plumes in space like your excellent June 2010 video. I would be happy to share my report on FOUR such events from the same kind of rocket. One puzzle about the direction of rotation. All other witnesses report the spiral, as it moved east over the sea, away from them, was spinning clockwise, and your video shows the same. So on the approach, as you looked west, it should have appeared counter-clockwise. Yet in your description you say 'clockwise' when you first spotted it in the west. Were you referring to its rotation later after it had passed you? This is important because the rocket had started to spin as it was reaching orbit an hour earlier. Beautiful video, by the way..
- Thanks for your message Jim let me have a think about the rotation mentioned in the video and I'll come back to you
- No hurry! I love the internet's allowing distant strangers to feed each other experiences and insights. Since you clearly described how you switched to night mode later, maybe the only video where you could see the direction of spin on replay was after it had passed you and you were seeing it from behind.
- Just checked my video. Yes, I was filming from behind and the rotation was clockwise. **When I first saw it, before filming, it was in the west and appeared counter clockwise.**

Australia June 4, 2010

DIZZYING SPIN – leaving Florida, Falcon camera was looking west showing a clockwise spin. Passing east over Australia, viewed from behind it was spinning clockwise.



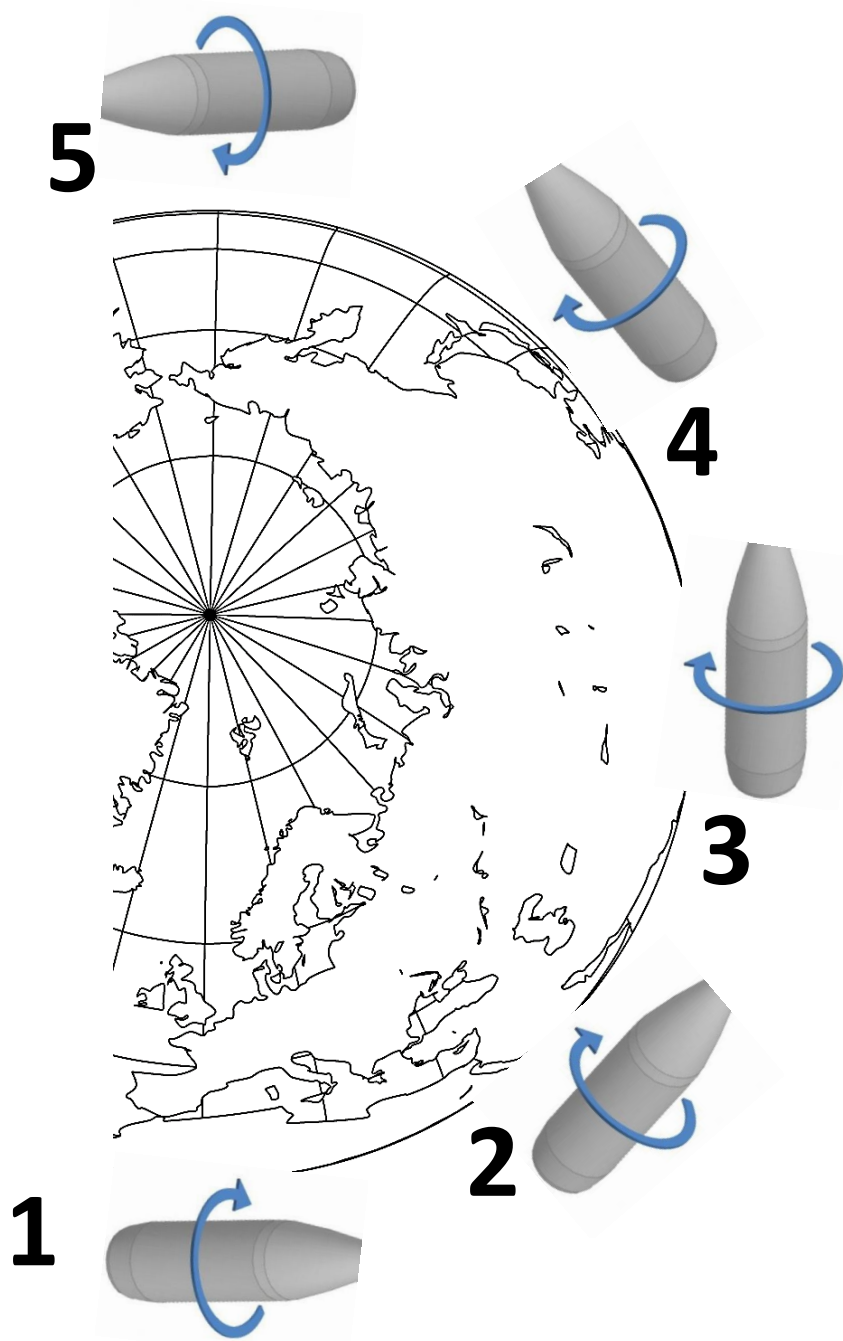
Australia June 4, 2010
Deniers of the rocket explanation insist the rocket would have been spinning counter-clockwise as seen from Australia [the SAME sense it was spinning when it left Florida]. “It wasn’t, so it couldn’t have been the rocket.”



https://comps.canstockphoto.com/earth-globe-emblem-icon-set-vector-eps-vectors_csp16557039.jpg

<https://cdn.shopify.com/s/files/1/1735/9373/files/spin-drift-1024x317.jpg?v=1491842028>

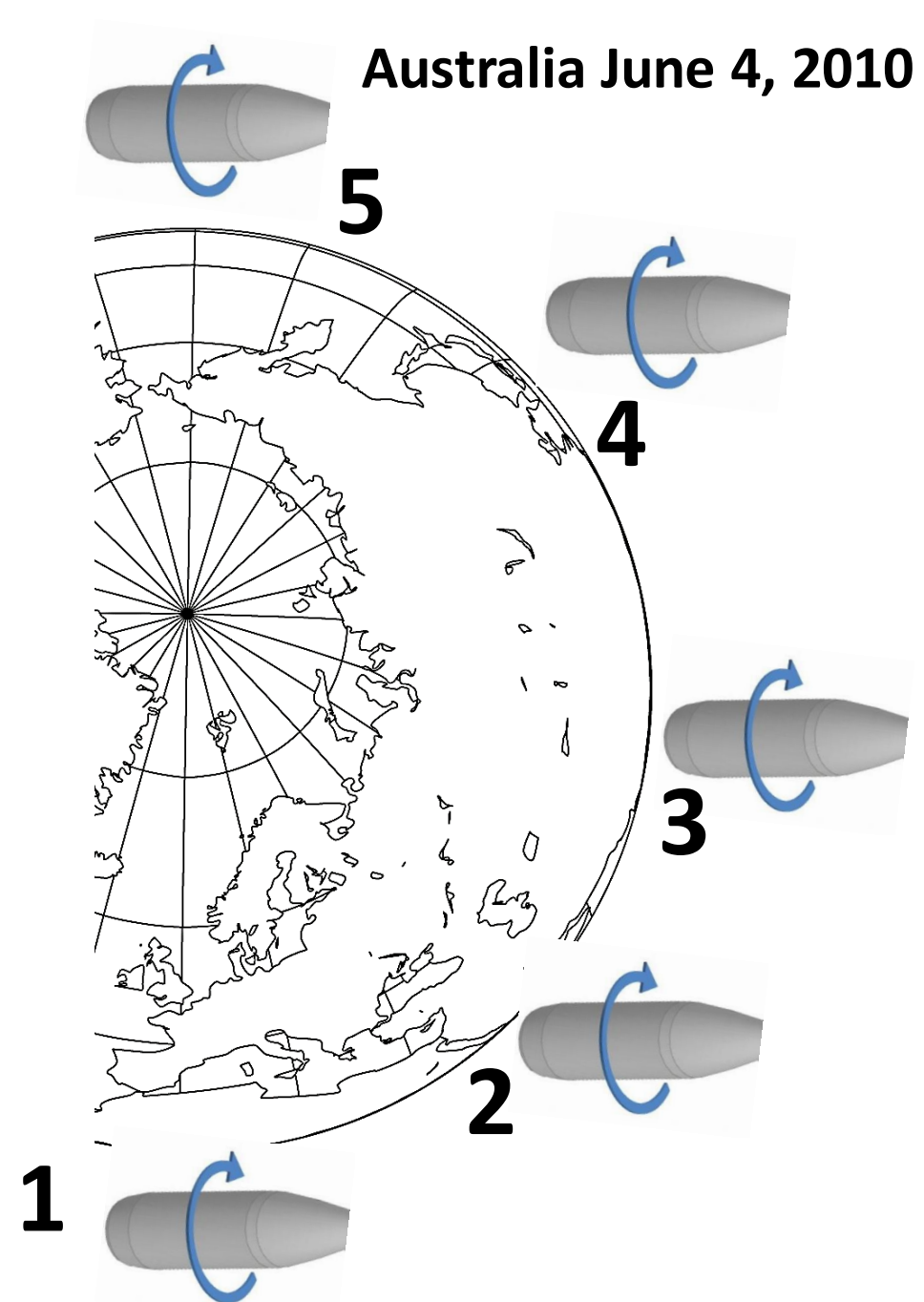
Falcoln-9 stage-2 orbit venting // 2018 Mar 20



Skeptics believed spinning rocket in orbit would keep its horizontal orientation while orbiting Earth [left]. Actually, a spinning object would keep its rotation axis relative to the stars ['inertial'], shown at right. Good example of how inaccurate understanding of space flight leads to erroneous interpretations.

Falcoln-9 stage-2 orbit venting // 2018 Mar 20

<https://i.pinimg.com/originals/23/b4/37/23b437f144953d8faebce0ca9e73767a.jpg>



Australia June 4, 2010

YOUTUBE COMMENTS – NOT A ROCKET! 1

Australia
June 4, 2010

- Lukas The Infinite == Nonsense! It would not account for the spiral structure because it was stationary and was only rotating. **Also anyone who knows just A LITTLE BIT about rocket propulsion knows that rocket fuel fumes are not green in colour also the amount of them would not be so huge to be observable from the surface of the planet.** And last one little thing none of the orbiters rotates so fast. You can even compare rotation rates on this very video. Who is the "expert" on the end who says that? Seriously who is this guy? Some botanist? Maybe only a gardner? One **for sure he knows nothing of rocket science. Learn some techology buddy!**
- Glen Smith == Plus orbital speed is 17,500 mph so it would have disappeared pretty darn quick.
- Chaim Goldbaum == Just because a rocket is spinning around wouldnt make such a huge structure in the sky
- Zairman == Rocket theory also does not explain why the spiral remained in one spot. If it was vented from a rocket, **it would be moving like a corkscrew** cause of how fast the rocket was traveling, not spiraling in one position.
- xr deem== If that's supposed to be a rocket, **why don't the contrails disperse with the wind?** It should be about 20 or 30kms up there. the wind speed should be up there at 100-200km/hr or so. Same excuses as the Norway Spiral.
- Matthew Ducker == Sorry but I don't buy that explanation. Rocket's aren't know to do stuff like that. Heck **nothing has been seen like that before 2009**, and rockets have been around for decades.

INTERNET COMMENTS – NOT A ROCKET! 2

Australia
June 4, 2010

- Matt Grillz == Sooo rockets have been used for like 60 years, but **this it only happening to them now**? Should we be looking at how bad the technology is instead?
- fortawesome1974 == So if it's a rocket **what caused all the others all over the world??** Rockets as well?? What a crock of s--t!! But the sheeple won't question it, intelligent people should!!
- Roberto Lopez == Australia, Norway, China, Armenia, Canada - **the same missile is spiraling in all those countries?** seems like a lot of coincidence - it's something else.
- firefox29852 == Questioned this ages ago. since when did rockets from US head over Australia? If the did / **do how is it we have never seen one before?** The times dont add up, the rocket should have ben fully in orbit in 10 to 15 mins.? Its got enough fuel to head right round the planet, at a height visible from the ground.? **When was the last time ANYONE saw a rocket do this? they go straight up and away.**
- Xxxx == yeah you are right also its too slow for a rocket, space junk because on its entry into atmosphere the gravitational pull is too strong that fall can only be seen for few seconds and also not be seen by these many people.....
- Firemoon == So let me get this right. we are meant to believe that a rocket fired upwards and loaded with fuel produces the very same effect as a rocket falling out of the sky, under no control and with no fuel? To my mind, one of those explanations has to be utter hogwash.

Defiant skepticism of rocket explanation

Australia
June 4, 2010

These things are being seen everywhere — I seriously doubt the military are testing anything new that is so highly visible. The trend in national security worldwide is toward stealth... Not lighting up the sky with very eye-catching illuminated spirals.

Even the Norway Spiral could not have been a "new missile test," as has been claimed. I've seen a lot of skeptics go to great lengths to rationalize these vast spirals as exhaust plumes from super-sophisticated missile prototypes, but they seemingly forget that *super-sophisticated* missiles and aircraft DO NOT *spin wildly* during ascent unless the test is a complete failure.

If these "test missiles" were as *sophisticated* as has been claimed, they would certainly be outfitted with gyroscopic stabilizers and WOULD NOT leave spiral plumes on ascent. Unless, of course, these *super sophisticated* missile tests are spiraling out of control all over the planet.

Which sounds to me like a cause for global emergency.

Yet, no government on Earth seems terribly concerned with the possibility of failed (or even successful) missile tests in full view of the public. Which is a new one on me.

www.ABOVETOPSECRET.com discussion site

SUMMARY OF AUSTRALIA EVENT

- 1 Spiral was due to loss of stage2 roll control during ascent
- 2 Sense of spiral was constant in inertial space but Oz is DOWN UNDER
- 3 No engine restart planned, but nominal fuel dump probably intentional
- 4 Illumination conditions not expected, all viewing was accidental
- 5 Nevertheless some excellent photos and videos captured
- 6 Many witnesses reported inaccurate sky motion ['stood still']
- 7 Many commentators rejected rocket explanation based on wide range of misinformation on basic principles of spaceflight and rocketry
- 8 UFO interpretation enhanced by internet dissemination of recent sensational sky spiral images seen in Norway and Russia six months earlier