

Chinese Sky Spirals – time to figure them out?

-- Research challenge –

Jim Oberg

November 18, 2016

REVIEW DRAFT 1

WE'VE SEEN WOBBLING ICBMs,
WARHEAD SPINUPS, FUEL
VENTING, EVEN A TUMBLING
SOYUZ 3rd STAGE – WHAT'S NEXT?

CHINA -- July 26, 1977

种传说中的外
由于目击者不
鬼没，似有若
很多。今年七
我国出现的
行物)事件，
观，目击者范
多，都是前所
是更有理由提
是飞碟？这个
是在晚上十时
的。当时月亮
方天空中突然
大小、呈椭圆



七月二十四日的空中奇景 (画)

，四周还带点晕雾。这团发光物质带，在阳光的照射下，成为
度则时明时暗，亮时如初升的光带。在六百多公里的高空，空



The UFO Phenomenon in China

Salvador Freixedo, Inexplicata (2000)

- <http://www.ufoevidence.org/documents/doc1791.htm>

- July 1977. Mr. Lu Jiaju, an employee of the Puxing tank farm, was the astonished witness to a circular object composed of **concentric rings**, oscillating slowly over the facility.

August 1977. Wang Zen witnessed a strange object along with many others while waiting in a theatre queue. "It issued **light smoke rings** toward the ground and **rotated** very slowly."

October 23, 1977. Taken from Liu Qinchuan's written report: "We saw an object **spinning** like a ball in mid-air and moving at considerable speed. Everyone was looking at it."

- Sunsky [ATS forum] – According to Chinese Ufologists, since 1970 to 2005, there were over 20 incidents of **"spiral light"** phenomenon reported in China. What's more, they believe this phenomenon was recorded by ancient Chinese chronicles as early as the Qin and Han period. Astronomical records from the book of Jin(265-420AD), Sui, Song dynasties tell of "falling star big as a crock and rotates like the wheel". A local chronicle of Chaozhou(in Guangdong province) also records that during the fifth year of emperor Wanli of Ming dynasty, on the third of 12th lunar month, there was "a falling star that rotates like the wheel, it glared the sky and extinguished awhile later."

Interesting events [incomplete list]

- July 26, 1977 Sichuan - ????
- July 24, 1981 ????
- June 18, 1982 Manchuria - Soviet missile/space 'war games'
- Aug 27, 1987 Shanghai region – Japanese satellite
- Aug 25, 1988 NE China -- spiraling reversed directions
- Aug 27, 1988 NE China -- Soviet ICBM launch?

- Modern era
- June 30, 2002
- May 13, 2014 sounding rocket

CHINA

北京卫视

北京卫视

Date/time?

Need help on this

long

电风扇状或顶角扇形

周一到周六

22-30

- 05:03 into <https://www.youtube.com/watch?v=eJNnY8XIMDk>

INA



新闻
报道

jeans and
and

周一至周六
22:30-23:00

5:23 / 5:40

Date and time?

Need help on this

Provenance
and date/time
not well
documented



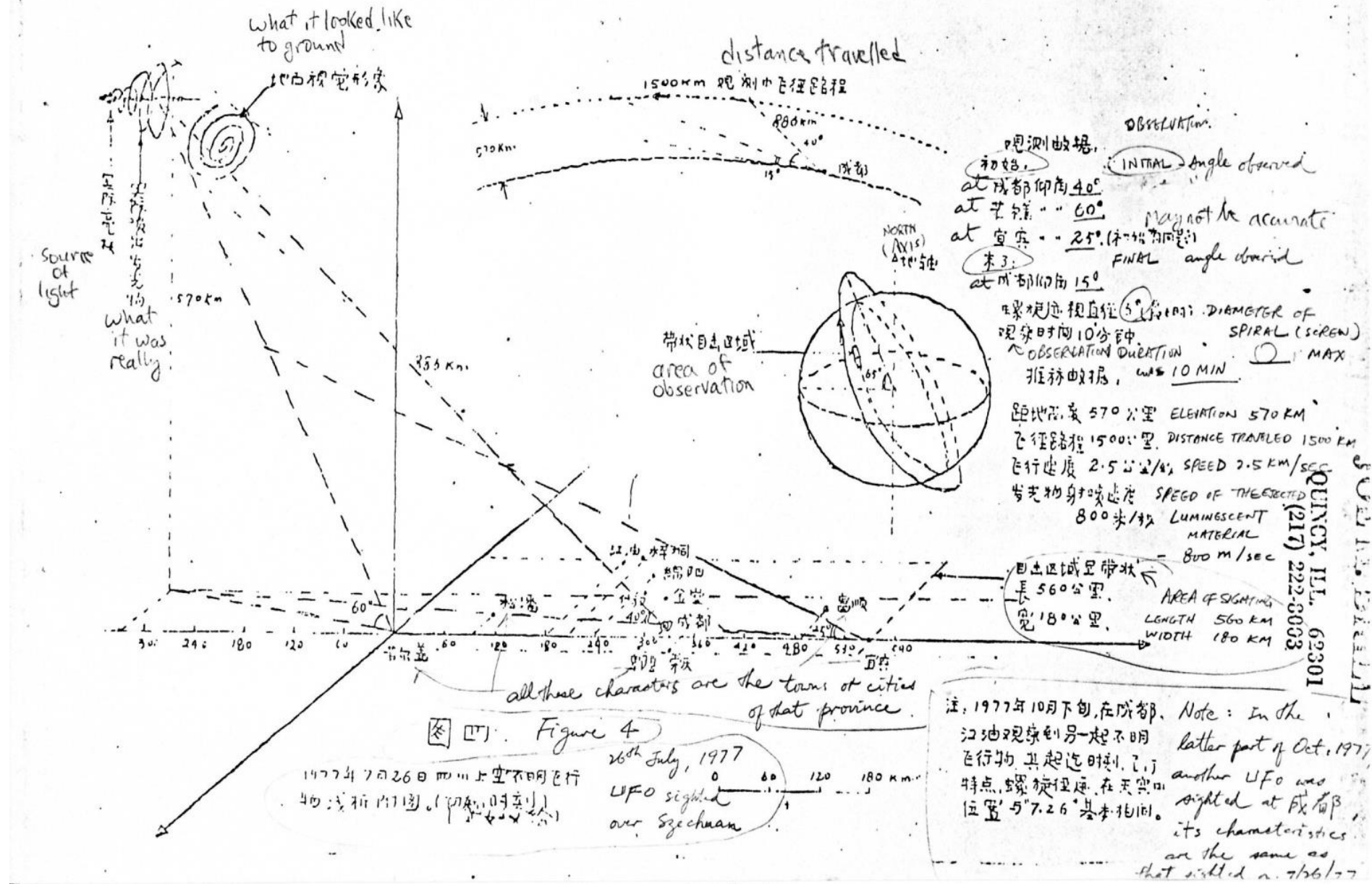
Witness descriptions

- <https://www.youtube.com/watch?v=eJNnY8XIMDk>
- <https://www.youtube.com/watch?v=f3vniW2fg4s>

Some pioneering work --

- http://www.thelivingmoon.com/49ufo_files/03files2/Rocket_Launches_Spirals_in_the_Sky.html
- Sky Dragons Behind the Media Curtain: UFOs in China (space.com, 14 Jan 2000)
- Original URL -- http://www.space.com/sciencefiction/phenomena/ufo_china_000126.html
- Now at https://web.archive.org/web/20000816002835/http://www.space.com/sciencefiction/phenomena/ufo_china_000126.html
- “China UFO Event of 1982 June 18”
- <http://www.jamesoberg.com/china-em-ufo-1982-draft-2.pdf>

Chinese reports since 1980s of 'sky spirals' – even video on YouTube

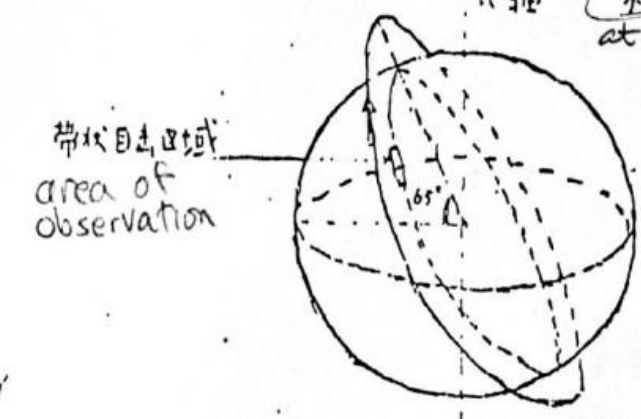


Altitude and motion suggest a venting booster already in orbit

July 26, 1977

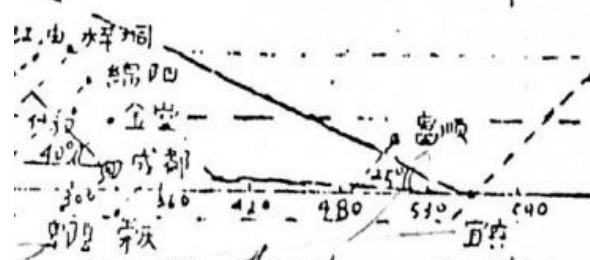


观测数据, OBSERVATION.
 初始, INITIAL Angle observed
 at 成都仰角 40°
 at 芷兰 " 60° May not be accurate
 at 宜宾 " 25° (初始为仰角)
 末了, FINAL angle observed
 at 成都仰角 15°



螺旋迹视直径 5° (仰角) DIAMETER OF SPIRAL (SCREEN)
 观察时间 10 分钟 OBSERVATION DURATION MAX
 推荐数据, was 10 MIN

距地高度 570 公里 ELEVATION 570 KM
 飞行路程 1500 公里 DISTANCE TRAVELED 1500 KM
 飞行速度 $2.5 \times 2/4$ SPEED 2.5 KM/SEC
 发光物喷射速度 SPEED OF THE EJECTED
 800 米/秒 LUMINESCENT MATERIAL 800 M/SEC



目击区域呈带状
 长 560 公里
 宽 180 公里
 AREA OF SIGHTING
 LENGTH 560 KM
 WIDTH 180 KM

characters are the towns or cities of that province.

4
 16th July, 1977
 UFO sighted over Szechuan

注: 1977年10月下旬,在成都, Note: In the latter part of Oct, 1977, another UFO was sighted at 成都, its characteristics are the same as that sighted on 7/26/77

QUINCY, ILL. 62301
 (217) 222-3033

resources

- YOUTUBE videos
- Internet UFO sites
- Handful of rational investigation attempts
- Jonathan's tables of launches
- www.heavens-above.com for solar illumination

LAUNCHLOG

http://planet4589.org/space/log/launch.html

The master list of satellite orbital launches and launch attempts. At the time of writing, this is the most complete list available with accurate launch times: I've managed to track down launch times (to the minute) that were previously unavailable. There may be some errors in this list, if you spot any please let me know.

- Launch: The international designation. For failed launches, the designation is one I have assigned. Pad explosions during prelaunch preps have not been included.
- Launch Date: Launch date and time are given in Coordinated Universal Time. A ? indicates an approximate launch time good to about 15 min.
- COSPAR International designation of the payload piece.
- PL Name Name of the payload as given by the launching agency after launch.
- Orig PL Name Manufacturer's payload name prior to launch. For USSR payloads, assignment of payload types to Kosmos satellites is in many cases slightly speculative - e.g. particular class of Zenit spy satellite for a specific Kosmos satellite may be often a guess.
- LV Type Launch vehicle type. Some of the USSR vehicles are still uncertain, particularly the assignment of Voskhod 11A57 versus Soyuz-U 11A511U in the mid 1970s.
- LV S/N Launch vehicle serial number if known
- Site Launch site, see sites.txt
- Orbit: is in perigee (km) x apogee (km) x inclination (deg to equator).
- Ref Reference for launch time, see refs.txt

- [The master list, text file \(LARGE\)](#)
- [Edited master list, omitting 'special cases'](#)
- [Index of launch sites](#)
- [Brief explanation of reference codes](#)

Dr. **Jonathan McDowell** is an astrophysicist at the Harvard-Smithsonian Center for Astrophysics. He is a staff member at the Chandra X-ray Center.



The JSR Launch Vehicle Database is an attempt to provide a complete listing of all types of space launch vehicle, both suborbital and orbital, and indicate relationships between them. ... I believe that this database is now as reliable a source for launch times, launch sites and vehicle types as any currently in existence. ... This database forms the background data for a comprehensive [launch list](#) of 69566 launches. The launches include 5563 orbital launch attempts, 27935 suborbital launches, and 36068 endoatmospheric flights

Jonathan's records – no help

- 1977 Jul 26 1535:29
- S-310 - S-310JA-3 VLF/plasma/B - - SYW - 221 - - NIPR SS NIPR/ Ionos
ISRJ - -
- 1981 Jul 24 nope
- 2002 Jun 30 nope

July 26, 1977.

- Zhang Zhousheng, a former astronomer at the Yunnan Observatory first observed a UFO in Sichuan in 1977. Mikhail Gershtein, Russia's top UFO researcher and well-known author of numerous books on the subject, has collected information about Zhang's 1977 sighting. He mentions the sighting in his book *Chto skrivayut ufologi*, in English *What is covered up by ufologists* (Moscow, 2006). [stonehill]
- **Zhang Zhousheng** (astronomer at the Yunnan Observatory in Chengdu)
“What was especially important was that, at a distance of 180 kilometers apart, the records about the direction of movement of the strange aerial body in space, made independently by at least two different observers was basically the same. . . . To the present time this strange phenomenon has not been satisfactorily explained, yet there were thousands of good observers who had seen it.”
- Zhousheng and others nearby watched a strange glowing, spiral object moving steadily across the sky for about five minutes on the evening of July 26, 1977.

The sighting took place on July 26, 1977, in the northern section of Chengdu. Zhang observed a strange spiral-shaped object, and pointed it out to other people. The object was shaped like a sphere that resembled a yellowish star.

A large Archimedes spiral emitted from the sphere in a glimmering line, clearly bright in the moonlight. The color of the line was blue and partly green. Because the spiral line emitted from the sphere, it was clearly not as star. It was a probably a relatively small object. The line went around it in three to four coils.

The strange object also moved in the sky in straight line. The velocity was invariable, about ten degrees a minute. The spiral moved synchronically with the sphere. The size, shape, and luminosity of the object did not change, and the spiral did not rotate around the sphere. No trails were left behind in the sky by the object.

At 10:14 pm the spiral disappeared behind the clouds at the altitude of 10 degrees. The sighting lasted about five minutes

<http://www.openminds.tv/ufos-over-chinas-sichuan-province-and-other-mysteries/37718>

Sichuan [Szechwan] region

Illumination conditions
[from www.heavens-above.com]

Chengdu gmt + 8
July 26, 1977 10 pm local
Sunset 8:02 pm
Sun azimuth 311
Sun elevation -22
Shadow height 450 km
[6371 x [1/cos - 1]]



July 26, 1977

- Sighting remains unexplained

July 24, 1981

- The astronomer made a prediction in June, 1981, that in July of the same year there would be sightings of a UFO. On July 24, 1981, millions of people in Gansu, Qinghai, Sichuan and Yunnan Province actually saw a flying luminous spiral-shaped body appear in the sky. Zhang claimed that he was able to calculate the arrival of UFOs.
- “On July 24, 1981, a huge spiral-shaped UFO was seen at different times by millions of people from different areas across China.” [photo]
- <http://www.chinawhisper.com/top-6-mysterious-ufo-incidents-in-china/>
- In one of the largest alleged UFO sightings, thousands of people in China claimed to have observed a bright object surrounded by "Saturn-like rings" in Tibet, flying for seven minutes. China's official Xinhua News Agency reported the story eleven days later.[59]



At 10:38 pm [24 July 1981] a bright point of light was spotted moving across the sky and as the light got brighter bands of clouds started to form around the light in the shape of a spiral.... "The glimmer became brighter, began to oscillate and then a cloud-like band of light formed around the circumference of the bright spot. The huge spiral shaped UFO with its bright silver color lighting up the cloudless night sky was an especially striking, magnificent and grand sight in contrast with the star-studded sky. In the brief six or seven minutes from its appearance to its disappearance, some 10,000,000 people simultaneously witnessed this extraordinary sight in the .night sky.:"

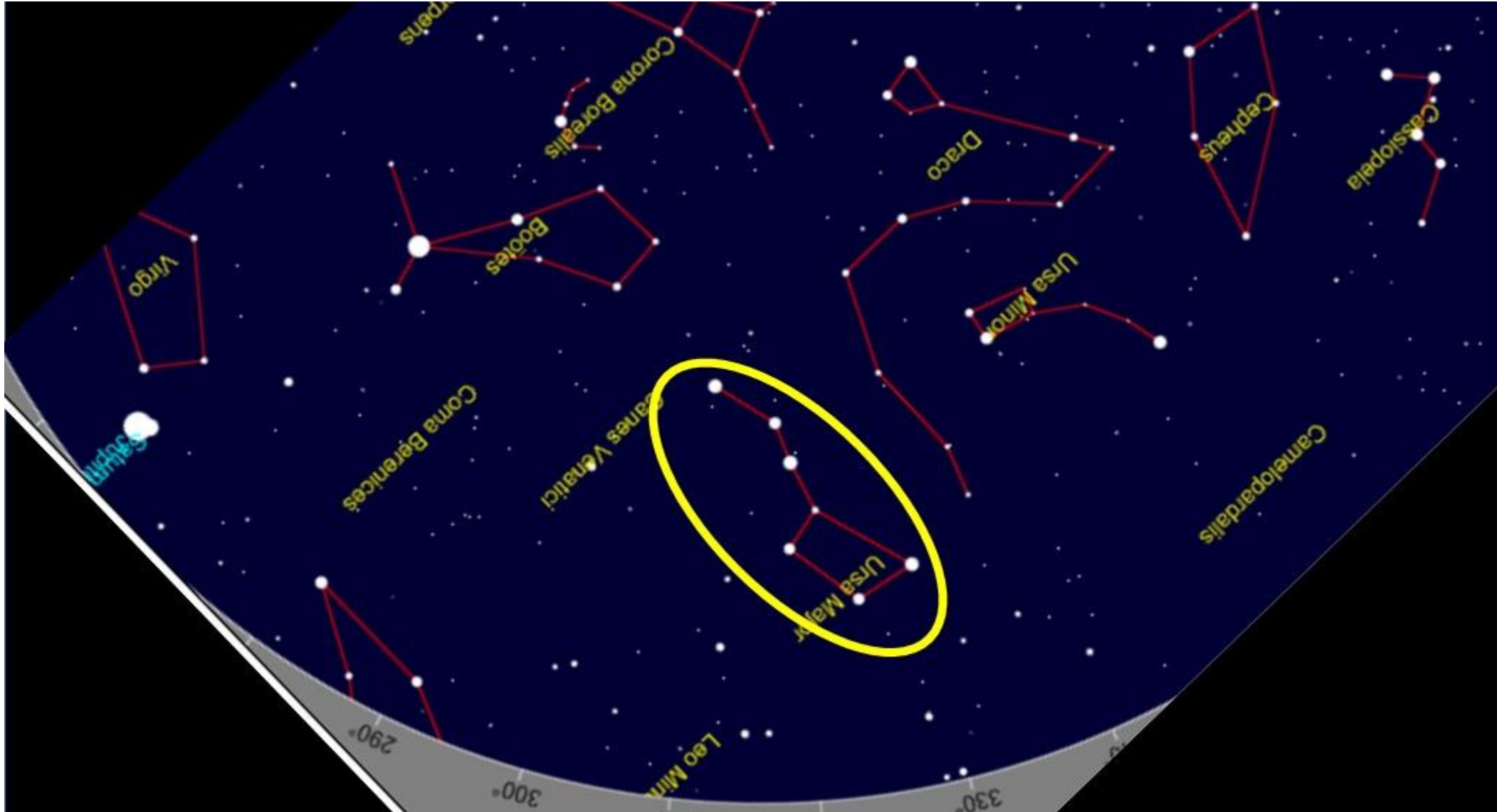
Chengdu Sunset 8:04 pm
Sun elevation -28 azimuth 319
Shadow height 750 km



24 July 1981 [northwestern sky based on Ursa Major]
– but was motion west-east or east-west?



Actual northwest sky for that location/date/time



<http://www.heavens-above.com/SkyChart.aspx?lat=31.507&lng=104.0405&loc=Shanghai&alt=675&tz=ChST>

Suggestive connection with Cosmos-1275?

- July 24, 1981 (Friday) Kosmos 1275, a Soviet satellite that had been launched on June 4, was struck by debris while in orbit 600 miles (970 km) over Alaska, breaking into more than 140 pieces of space junk.[57] COLLISION IS ONLY 'DEDUCED', NOT PROVEN
- “The earliest suspected loss was of Kosmos 1275, which disappeared on 24 July 1981 (a month after launch). Kosmos **contained no volatile propellant**, but a battery explosion is also a possible cause. Tracking showed it broke up, into 300 new objects. ”
- “Speculation is it was the result of a hypervelocity collision with a piece of space debris. This was based on the following: this type satellite has shown no capability to maneuver and may have been a gravity gradient stabilized spacecraft, **no pressurized vessels or onboard propellants are standard on this type**, the satellite resided in the altitude region most densely populated with debris from earlier satellite breakups, and the satellite was in a high inclination orbit (83 degrees), which suggests higher relative velocities between a satellite and the general debris population.”
- If not the payload, how about the rocket body? Only 20 days after launch. Still nearly co-planar, could have suddenly vented. Coincidence with satellite disintegration? Hmmm....

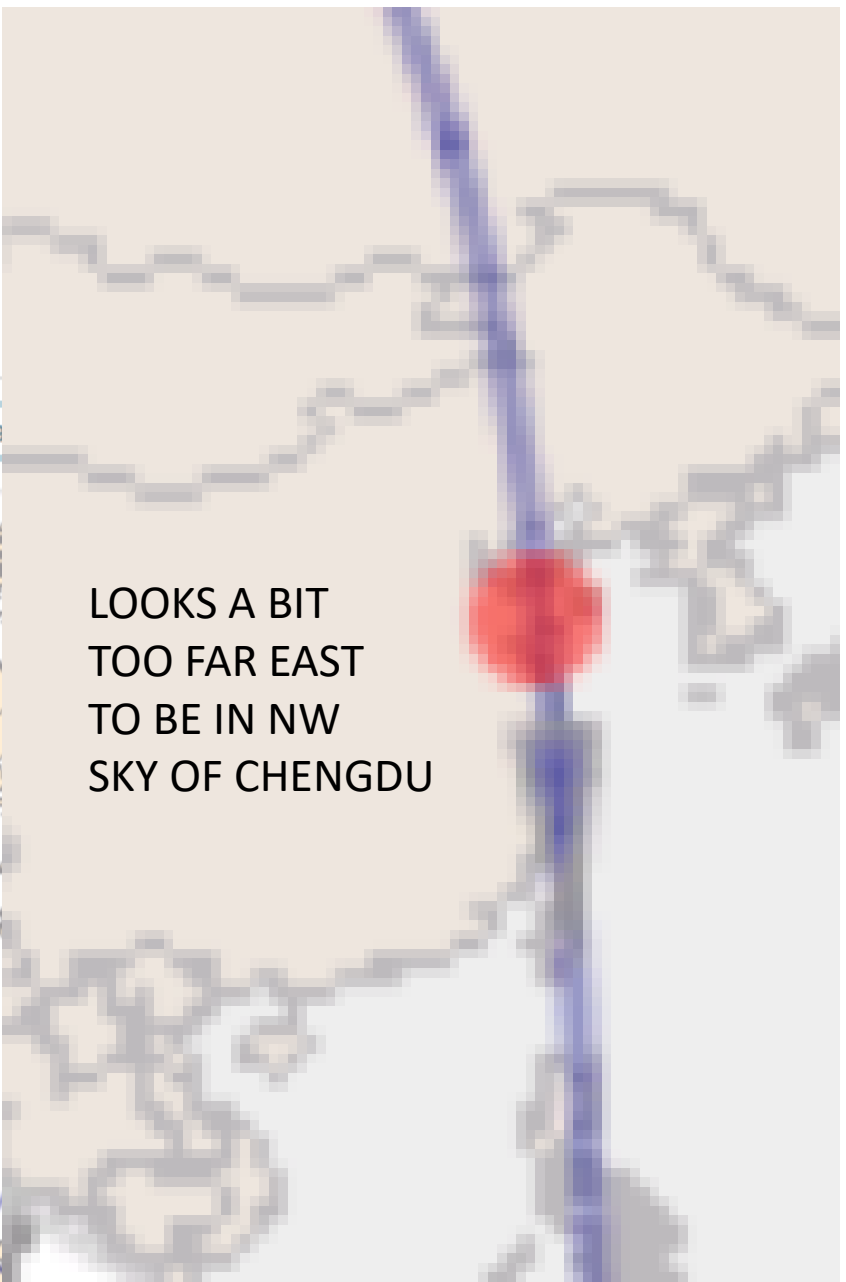
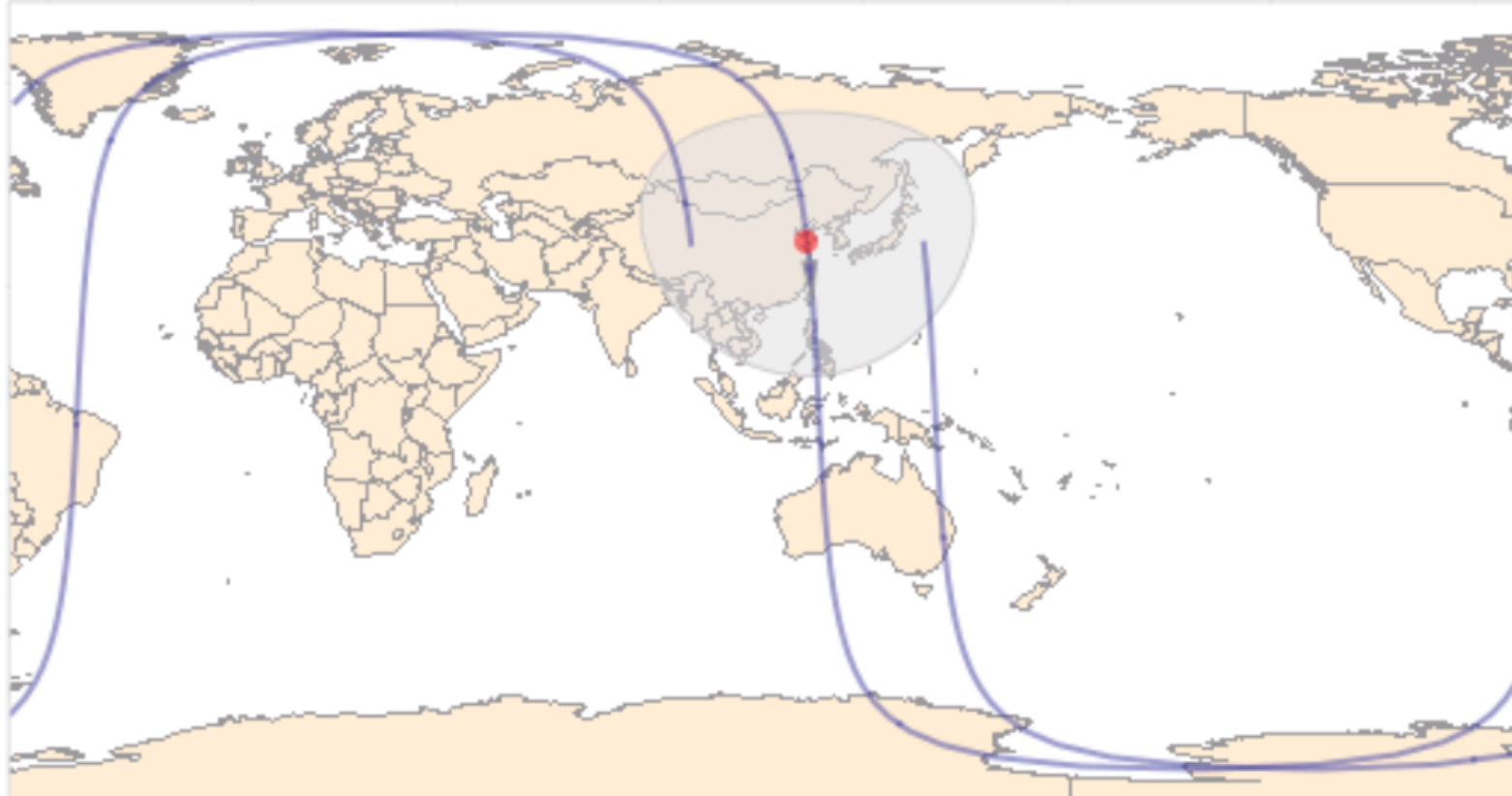
Cosmos-1275 [disintegrated hours before]

TIMING IS ALSO OFF

Cosmos 1275	position	Friday, July 24, 1981 at 3:28 pm UTC
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Results:

Show DMS Show 3D Orthogra



LOOKS A BIT TOO FAR EAST TO BE IN NW SKY OF CHENGDU

AD-A133 326

FOREIGN TECHNOLOGY DIVISION



FIRST UFO INCIDENT FOR OUR COUNTRY

by
Long Ruyi



DTIC
ELECTIC
OCT 7 1983
A

Approved for public release;
distribution unlimited.

DTIC FILE COPY

88 10 01 006

By Long Ruyi
from Hangtian
11-4-1982

FIRST UFO INCIDENT FOR OUR COUNTRY
by
Long Ruyi

Calculated orbit parameters 'in the ball park', barely

On the basis of information such as angle of elevation and apparent angular velocity observed at different locations, the Zijinshan Astronomical Observatory and the Sichuan UFO Research Association independently conducted calculations and the results all indicate that the altitude of the UFO which appeared on 24 Jul 1981 was 500km (+10%), its speed was several kilometers per second and it traveled along a reverse orbit which had an included angle of 112° (+5%) with the equa-

CANDIDATE???

Cosmos-1275

'PARUS' satellite

NORAD ID: 12504

Int'l Code: 1981-053A

Perigee: 962.4 km

Apogee: 1,020.2 km

Inclination: 83.0 °

“six or seven minutes from its appearance to its disappearance”

UFO-like perceptions

Among the materials gathered by the UFO Research Association of China, there are a number of witness reports to the effect that the 24 July 1981 UFO stopped during its flight and hovered for several minutes and then quickly flew away. They also reported that it changed its direction of travel during flight and seemed to move freely, a capability which is incomparable to any man made spacecraft. Some people went so far as to claim they could see its central bell-like shape as well as a row of portholes.

These are commonly-reported perceptions of even uniform-motion bright night sky objects [best example, see Nov 7, 2015 Trident SLBM launch off California, multiple witness reports of exactly such motion]. The 'row of portholes' interpretation is characteristic of bright light swarm of independent objects [eg Kiev, 1963, et al.]

Air Force Systems Command report which came out two years later was not impressed

With regard to the strange phenomena in these reports, although they cannot be categorically denounced as psychological illusions, in view of the above, it could easily be inferred that they had an alien source, but the proof is apparently lacking. At present, besides a few blurred photos which were taken of the 24 July 1981 UFO there is neither any other physical evidence nor any good record of a signal. Also, researchers abroad still have obtained nothing relative to this kind of UFO or aliens. Nor do they include in their large collection of photos of flying saucers any such type of craft with a very distinct spiral trail. This also causes us to return to the spy plane hypothesis. It seems that this incident must be thoroughly clarified and still waits for those who know the inside story to come forward and "make a clean breast of it".

Stonehill story....

- The 1981 spiral UFO had an altitude of about 650 km, and a speed of about 1.6 kilometers per second before it disappeared, according to Professor Wang Sichao, a planetary astronomer at the Purple Hills Observatory of the Chinese Academy of Sciences. Professor Sichao believes extraterrestrial beings do exist and their UFOs have the ability to visit our Earth.
- Soviet TASS news agency referred to the Xinhua story in August 8, 1981. Chen Xia of China.org wrote that China had its first massive UFO sighting on the night of July 24, 1981. Hundreds of thousands of onlookers witnessed an enormous luminous spiral from 10:33 p.m. to 10:53 p.m. The object moved at an unbelievable low speed in the upper atmosphere where helicopters were unable to reach. Later studies showed the object had an abnormal anti-gravity capacity. Purple Mountain Observatory, also known as Zijinshan Astronomical Observatory (located on the Purple Mountain in Nanjing, China) released a communiqué stating, “the population of 14 provinces in our country sighted this celestial phenomenon...”

24 July 1981

- Sighting remains unexplained

Work in progress..... “China UFO Event of 1982 June 18”



**China UFO Event
of 1982 June 18
and possible link
to Soviet military
space activities**

REVIEW DRAFT 3

James Oberg // April 29, 2016
*Not to be quoted without author
validation of no new updates*

<http://www.jamesoberg.com/china-em-ufo-1982-draft-2.pdf>

Ganhe [Inner Mongolia]
like “a red turnip with
tilting tail”. Is this a clue
of a nearby launch?



[above] Soyuz booster
ascent plume

[left] Chinese turnip

“China UFO Event of 1982 June 18”

What do descriptions remind us of?

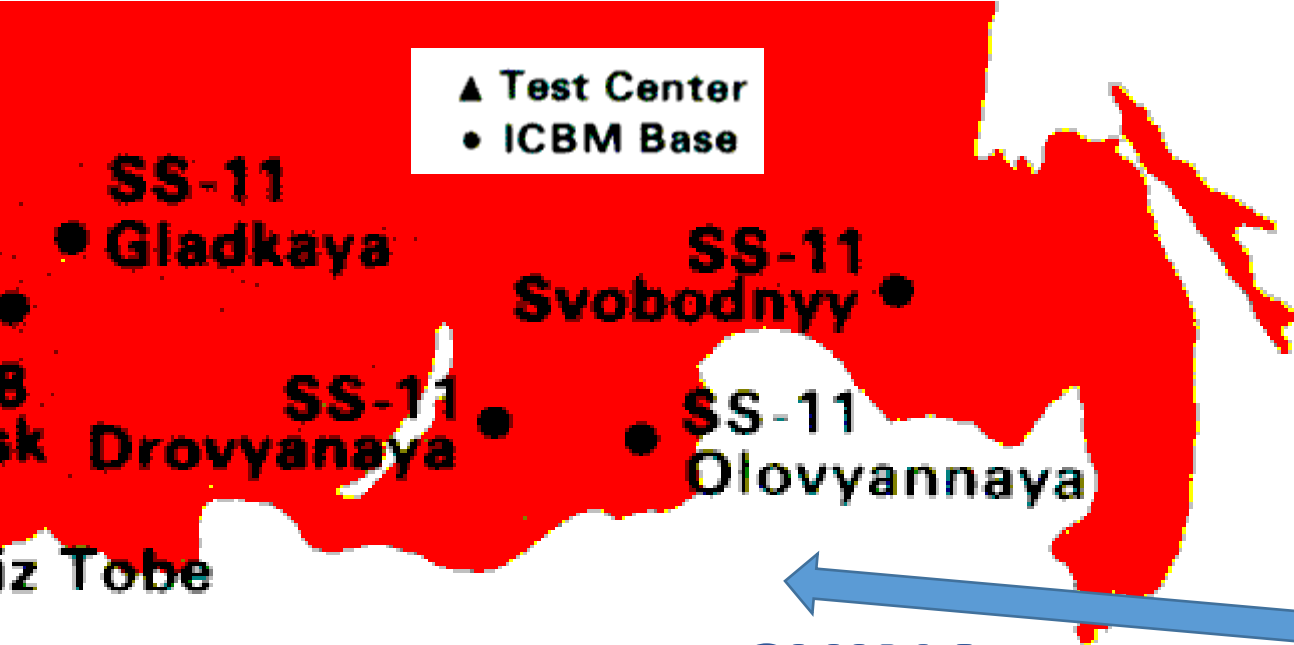
- Numerous descriptors remind us of similar analogies with other known rocket launches and on-orbit propulsive events
- Multiple references to gaseous hazy nature of objects and rapid circular expansion
- Spiral shape and expanding ring are classic descriptors from generic rocket and missile launches and orbital thrusting/venting
- Conflicting descriptions from different witnesses to [presumably] same event underscore high level of perceptual and mnemonic dispersion

“China UFO Event of 1982 June 18”

CONCLUSIONS & RECOMMENDATIONS

- **Previous unrecognized coincidence of Chinese reports with exact period of most massive Soviet-era missile/space war game ever remains a powerful argument for some sort of cause-and-effect**
- Association of June 18 ‘UFO reports’ with orbital interception test of Kosmos-1379 remains suggestive but unproven [Issue of potential observations of OTHER Soviet “killer satellite” tests may be fertile ground for further research]
- Premature enthusiasm for the Kosmos-1381 explanation is another warning to investigators [and to myself] of the danger of cherry-picking pieces of reports based on the desired direction of the conclusion.
- Pattern of eyewitness reports of missile/space events being classified as ‘UFOs’ gives excellent explanation of why US intelligence agencies SHOULD be very interested in such reports even if UFOs themselves are NOT “real”
- Closer study of this pattern could benefit serious ‘UFO studies’ by providing calibration of actual eyewitness perceptions/descriptions of bizarre visual stimuli when actual stimuli are known.

SEVERAL SOVIET SPACE/MISSILE LAUNCH SITES



CHINA

Observing region

http://fas.org:8080/nuke/guide/russia/facility/icbm/icbm_1.gif

1982 June 18

- Sightings remain unexplained

August 27, 1987 – near Shanghai

- In Zhejiang province, a power generator reportedly failed. People reported that their wristwatches stopped. Eyewitnesses at an airport spoke of the "dazzling brilliance" of the object, which was "hovering about 900 meters from the end of the runway." Two people in Shanghai reported seeing portholes on the central body.
- A military pilot on air patrol spotted the object and pursued it for several minutes.
- "It was descending," he recalled. Then it reversed course and ascended "much faster." Finally, he said, "after 45 seconds, I was unable to keep up with it."
- https://web.archive.org/web/20000816002835/http://www.space.com/sciencefiction/phenomena/ufo_china_000126.html

Shanghai Gets Its First Look at UFO: 'Comet With a Tail Like an Umbrella'

August 30, 1987 | United Press International

- BEIJING — Shanghai residents say the city got its first visit of an unidentified flying object but military officials who tried to track the mysterious spinning "plate" revealed no details of their findings, the New China News Agency said Friday.
- Several witnesses claimed they saw a UFO passing over the city for about 40 minutes Thursday evening, the agency said.
- "It was like an oval plate and sometimes a comet with a tail like an umbrella," the news agency quoted one onlooker as saying.
- Another witness said the object looked like a flying orange but he saw it for only a few seconds before it spun clockwise and flew eastward, the agency said.
- A People's Liberation Army officer revealed that military aircraft took off to trace and observe the object, but he said no further information was available.
- Officials at a Shanghai meteorological station also reported sighting the UFO.
- "It was the first time for a UFO to visit the city," one meteorologist told the news agency.
- http://articles.latimes.com/1987-08-30/local/me-4866_1_ufo

UFO sighted over Shanghai

BEIJING, Saturday, Aug 29, 1987 (Reuter).

Chinese fighter pilots tracked an unidentified flying object that appeared over Shanghai on Thursday night for seven minutes before it vanished in the East China Sea, the China Daily said yesterday.

The UFO was described by one of many witnesses as looking at times like an oval plate and at others like a comet with an umbrella-shaped tail.

China Daily said its staff member Mr Yao Kang saw the UFO above People's Square in central Shanghai while he was walking with his wife and baby shortly before eight o'clock on Thursday night.

"I looked up and saw an amazing reddish orange basin-shaped luminary hanging in the sky over the south-west of the square," he said.

"Above the bright basin-like object was a misty parachute with a diameter of about one metre. It looked like a lump of milky white gas."

The paper said military jets took off immediately to track and observe the UFO. The UFO disappeared in the East China Sea seven minutes later, but not before the pilots were able to corroborate the descriptions of witnesses on the ground.

Mr Shu Jiabin, chief engineer of the Shanghai Meteorology Bureau, said the UFO was probably caused by meteoric ice.

<https://trove.nla.gov.au/newspaper/article/132156081>

UFO CHASE IN CHINA

Gordon Creighton

(Translation from Chinese. G.C.)

FLYING SAUCER REVIEW,
Nov-Dec 1987

We have recently had our "Air Force Chase of the Pingpong Balls" over Brazil, and now in a fresh batch of press-clippings for which we are most indebted to our Consultant/Correspondent in Japan, Mr Yusuke J. Matsumura, we have details of a similar but smaller "Air Force chase" in China. Rather than making a general summary of these reports, as I would normally have done, I have on this occasion taken the unusual step of translating the entire batch of clippings in great detail, because I feel this present case gives us an excellent opportunity to observe how the Chinese authorities are coping with the pesky UFOs.

This little batch of recent reports from China which I give below shows that the Chinese authorities are employing the usual methods to dissuade the public from interest in the subject. It is evident, from the large amount of newspaper space devoted to the case, that they are distinctly worried about it. And no doubt realize that their old hackneyed "explanations" are ceasing to convince. It is therefore all the more amazing that the Chinese press-censors should have been so slipshod and so careless, as they have done in this case, by letting several nice little cats out of the bag. These little cats (so well known to us from all over the world!) are: (1) The reports that, after the UFO had passed through clouds, the clouds still glowed; (2) the reports that many eyewitnesses said their wristwatches stopped; and (3) the reports that, on the Island of Shengsi, off the coast of China, there was a brief electricity blackout as the UFO passed over. All three of these remarkable phenomena, say the Chinese experts, were purely due to chance. — EDITOR

http://www.ignaciodarnaude.com/avistamientos_ovnis/Creighton,UFOs%201987,China,FSR1987V32N6.pdf

1. WEN WEI PO, Shanghai, August 28

SHANGHAI VISITED LAST NIGHT BY UFO.
“FLYING TOWARDS SOUTH-EAST: SIZE OF A
WASHBOWL, WITH DARK CENTRAL SPOT”:
SOME SAY “LIKE A SPIRAL WATCH-SPRING”

WEN WEI PO Reporter: At about 7.58 p.m. last night an unidentified flying object passed over the City. From 8.00 p.m. onwards the paper received numerous phone calls reporting it.

One caller at Shangnan Xincun in the Pudong area said it was of the apparent size of a washbasin with a dark central spot and emitting dazzling flashes of light. He watched it for some two or three minutes until it vanished in the south-east.

A reader named Zhou at Zhongguxiang in the Qingpu area gave a very clear account. His description of its appearance agreed with that of the first-named caller — “like the spiral spring of a watch”. The under part gradually became more vague, and then assumed the shape of a round tail. The strangest feature was that, after it had passed through the clouds, *the clouds still continued to glow*. This witness, immensely shaken, told us that never before in his life had he beheld such a flying object.

There were also many phone calls from residents of the Jiangwan and Caojiadu districts.

We telephoned to the Shanghai Weather Bureau, the Shanghai Observatory, and the Yushan University. They all said they too had received numerous similar phone calls, but that at present it was still difficult to give a clear and definite explanation.

2. WEN WEI PO, Shanghai, August 29

Today, this same paper reported that the staff of the Shanghai Observatory had issued a statement that the object seen was probably a man-made missile or the debris of a missile. (The paper, however, now mentioned — for the first time — that various people had reported *electricity failures* as the UFO flew over.) The paper now explained that, in the view of the experts, should any such electricity failures have occurred anywhere, then these were strictly by pure chance, and could not possibly have had anything to do with the flying object.

The paper goes on to mention that, in 1985, an unknown flying object had also caused a great commotion in Shanghai, and the Observatory staff had discussed it and come to the decision that it was a meteor.

Since 1986, says the paper, the Shanghai Observatory has received more than twelve reports of UFOs. The Observatory experts view these phenomena not as objects from Outer Space, but as possibly due to “some natural phenomenon arising from the Earth’s own atmosphere.”

Furthermore, according to a telegram from a correspondent in Shengsi County, when this UFO passed over that area, at the local electricity generating-station, where the machines were running quite normally, *there was a sudden failure; and instantly the entire island was plunged in darkness. Most people’s wrist-watches stopped*. All that was to be seen in the sky was the small object, “shaped like a spinning-top, of maybe the size of a helicopter” spinning away fast from west to east. Owing to the power failure, most of the military and the civilian population on the island all saw the phenomenon.

4. WEN WEI PO, Hongkong edition, August 29

UFO NEAR SHANGHAI. "ROUND LIKE A WASHBASIN, EMITTING ORANGE-YELLOW BEAMS." MILITARY AIRCRAFT SENT UP TO INVESTIGATE

From our Shanghai Correspondent, August 28:—

At 8.00 p.m. on August 27, in the night sky over Shanghai a bright flashing unidentified flying object made a fleeting appearance and then was gone. In many places, folk strolling and enjoying the evening air saw the strange sight in the heavens. A man living in Pudong said: "At about 7.56 p.m. more or less, a spiral-shaped flying object suddenly appeared over Bailianjing, its size being about that of a net-ball, shooting out bright flashes, it moved off, still spinning, towards the south-east. In Nanhui County, crowds of people reported that at about 7.55 p.m. it appeared overhead there. The visual judgement of eyewitnesses was that it was at a height of about 4,000–5,000 metres. It was ellipsoid, and its (apparent? ED) diameter was about 30 cms.—50 cms. At the rear end there was an orange-yellow beam from an aperture that

looked about the size of a washbowl.

The fisher-folk on the Island of Shengsi saw it at 7.57 p.m. It was bigger and brighter than the planet Venus. They said it had three pale white apertures and was of spiral shape and spinning as it went, very fast.

When it passed over the Island, all the electric lights went out, and came on again about one minute later. The Electricity Supply Office said there had been no suspension of operations by them. There were also reports that a UFO had been seen at Hangzhou.

As we understand, when the UFO appeared over Shanghai, the Shanghai Air Force Headquarters at once sent up an aircraft to pursue and investigate the

UFO. The pilot's description of the object corresponded pretty well with accounts given by many eyewitnesses. By 8.30 p.m., it had vanished eastwards over the sea.

According to the investigations made by the astronomers, this was not a shooting star, nor a comet, but it could possibly have been a man-made object (such as a rocket, etc). or the debris of such, falling and reflecting the light of the Sun.

Already in 1985, Shanghai had a UFO sighting which caused quite a stir. On that occasion the Shanghai Observatory said that it was a fireball. Since 1986 the Shanghai Observatory has seen about a dozen unidentified flying objects. As regards the present case, we must await their final decision after they

have collected more data on the occurrence.

Newspaper coverage

大公報

一期星

日一卅月八年七八九一

大公報

Ta-Kung-Pao

海外航空版

(Overseas Edition)

報 匯 文

六期星

日九廿月八年七八九一元公

巴也呈桔黃色，整個物體作順時針旋轉，但尾巴並不旋轉，朝東南方向飛去。七點五十九分，它變換在我飛機的左前方。此刻，它還由下降變為上升，速度比下降時要快得多。又過了四十五秒，我沒有追上它，這時已到機場上空，於是請求着陸，並報告了上述情況。我臨着陸時，飛行物體已在川沙縣上空，逐漸看不清了。

【中新社福州二十九日電】福建省福州及閩北的政和、松溪、拓榮等地於八月二十七日晚八時左右相繼發現一不明飛行物。

據《福建日報》報道，這一不明飛行物呈橢圓形，通體發出桔紅色的光，從輪圓的兩側散發出白色的光。該飛行物由西向東運行，八月二十七日晚七時五十九分出現在政和縣東峯村北面上空，有六十多

Jen-Min Jih-Pao

28/8/87

Wen-Wei Pao

29/8/97

Ta-Kung Pao

31/8/87

UFO大鬧華東地區

空軍機師談追蹤經過

適巧空中執勤 追蹤歷時兩分餘鐘

【本報上海二十九日電】駐滬空軍某部飛行員毛學成二十七日跟蹤不明飛行物體連兩分四十五秒。毛學成今天向人們敘述觀察到飛行物體的情況。

毛學成是位全天候飛行員，已飛行十多年，有豐富的飛行經驗，他說：「二十七日晚七點三十五分，我奉命駕機起飛，執行空中巡邏任務後，以時速八百公里的

速度，由崇明島上空向正南方的機場返航。當我飛離長江上空時，突然發現右上空、嘉定上空，有一個很亮、很刺眼的飛行物體，它既不像飛機，也不像導彈，倒像一個照明彈，大小和形狀比一般圓形草帽大一點兒，我立即加大油門，以九百公里的

速度，與它形成一百度加角，緊急追趕。此時，時針指在七點五十七分，我經過仔細觀察，發現不明飛行物體在下降，亮點部分顏色呈桔黃色，後面拖着的螺旋形尾

ASTRONOMERS COME UP WITH PROPER EXPLANATION

In a separate news item, the same issue of the Hongkong WEN WEI PO of August 31, has the following:—

Central News Agency Telegram from our Shanghai Correspondent, August 29:—

Some of the Shanghai astronomers have now made a preliminary analysis of the sighting of a UFO over that city on August 27, and consider it was possibly a man-made object (such as a rocket, etc.), or maybe the debris of such. Their reasoning is as follows:—

“The spiral-shaped unidentified flying object seen on the 27th was, in the first place, certainly no aircraft, since aircraft are not spiral and cannot spin. Secondly, it cannot have been a fireball, because when a fireball enters the upper atmosphere it is very fast and exceedingly bright as it burns up.

“Thirdly, it could not have been a comet, since a comet is shaped very much like a broom hanging in the sky; it has a head and a tail, and it does not spin.

“Consequently, it may possibly have been a man-made object (such as a rocket, etc.), or debris of same. The pieces could be of very differing shapes and sizes, and could be spinning.

“The height would be in excess of several hundred kms., and it would shine in the rays of the Sun.

The scientists say that the accounts given by many eyewitnesses were basically all very similar, which proves that it was not an illusion. The eyewitnesses had very varied estimates of the altitude of the UFO, naked eye estimates in these matters being very unreliable.

As for the reports that in various places, when the thing passed over, there were electricity failures, the scientists say that this could simply be due to chance.

Staff of the Shanghai Observatory also said it could have been some natural phenomenon occurring in the upper levels of the Earth's atmosphere.

There was a great sensation in Shanghai over an unidentified flying object in 1985. On that occasion the Shanghai Observatory decided that it was a fiery meteor.

Shanghai UFO coincides perfectly with Japanese launch



1987-070 1987 Aug 27 0920 1987-070A
Kiku 5 ETS-5 S18316 H-1 H-17(F) TNSC
N S WWW-NASDA

ILLUMINATION CONDITIONS TBS

МЕТЕОРИТНЫЙ ЛЕД ИЛИ ЧТО-ТО ДРУГОЕ?

ПЕКИН. (Соб. корр. «Известий»). На днях многие жители Шанхая наблюдали в небе странное явление, которое на следующее утро стало предметом жарких споров в битком набитых автобусах и в обычно тихих учреждениях крупнейшего города Китая.

Об этом сообщила газета лед. Когда он сталкивается в «Чайна дейли». Одним из оче- воздухе с метеоритом, слышное виднее стал сотрудник шанхай- трение дождя в тени и т.д.

H. POST SAT Aug 29

UFO visits Shanghai?

BEIJING (UPI) — Shanghai residents say the city got its first visit of an unidentified flying object, but military officials who

but he saw it for only a few seconds before it spun clockwise and flew eastward, Xinhua said.

A People's...

UFO over Shanghai sets the city buzzing

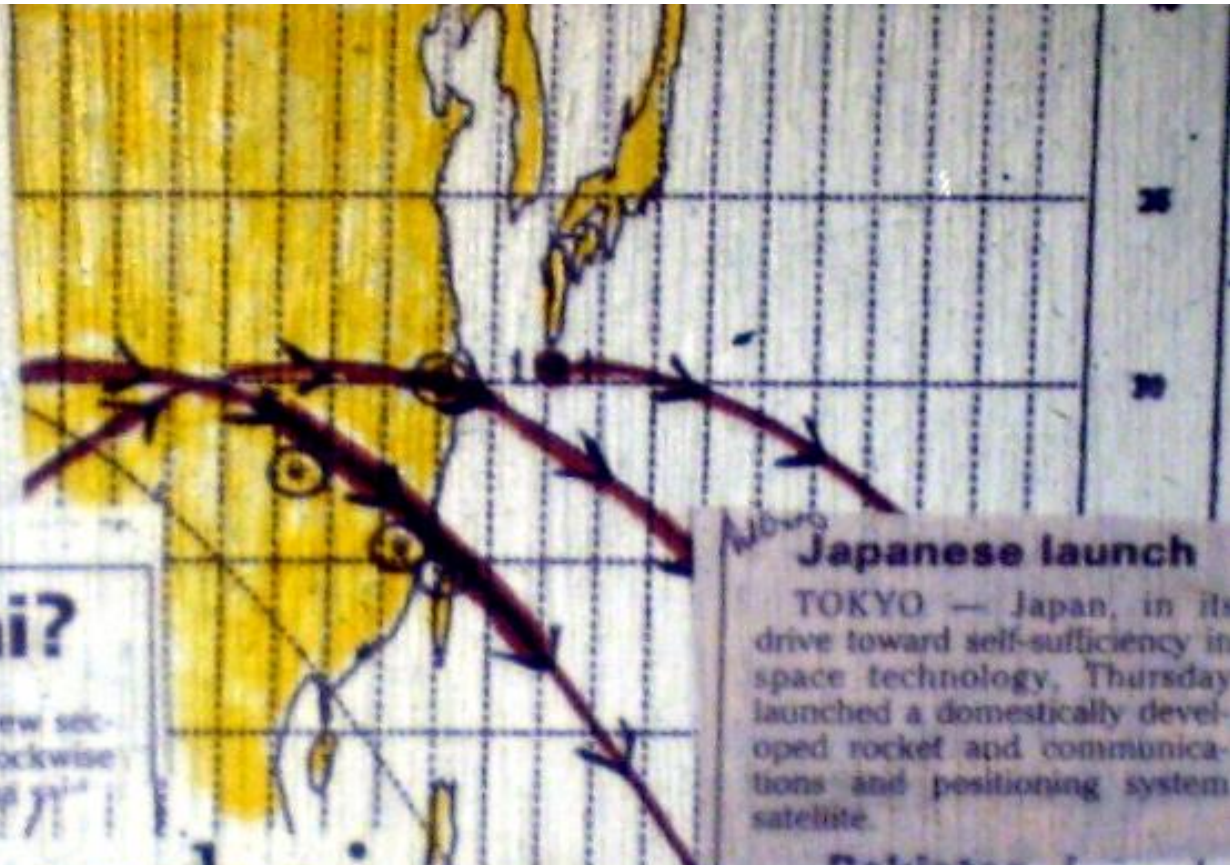
Special to China Daily by Shen Feiyue

SHANGHAI — The appearance of an unidentified flying object (UFO) over Shanghai Thursday

Thursday

talked

3 2



Japanese launch
TOKYO — Japan, in its drive toward self-sufficiency in space technology, Thursday launched a domestically developed rocket and communications and positioning system satellite.

SATELLITE LAUNCH FROM JAPAN CROSSED SHANGHAI REGION AFTER ONE ORBIT

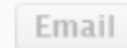
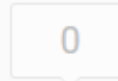
Compare Aug 27, 1987, to August 12, 1986 Another H-1 Fuel Vent Pseudo-UFO

The Great East Coast UFO of August 1986

Feature

James Oberg

SKEPTICAL INQUIRER Volume 10.4,
Summer 1986



An Illuminating UFO case raises several interesting points.

At about 10 P.M., EST, on Tuesday, August 12, 1986 (0200 UT, August 13), nearly the entire eastern half of the United States was treated to a spectacular celestial apparition. Millions of people were outside looking for Perseid meteors, and many of them had their astronomical instruments and cameras at the ready. So when a bright cloudlike UFO (for it was a genuine unidentified flying object, at least for a day) appeared in the eastern sky, moving from right to left, it had probably the largest audience of any UFO ever witnessed in North America. Sightings occurred from Georgia (Florida was socked in with clouds) to Louisiana to Houston, Texas, to Tulsa and Oklahoma City, to Illinois, Kentucky, Michigan, Ontario and Quebec, and all points in between: South Carolina, Virginia, Massachusetts — the whole eastern seaboard.



http://www.csicop.org/si/show/great_east_coast_ufo_of_august_1986

Eyewitness accounts similar to Shanghai

- “...a pinpoint, a moving spiral, a glowing cloud, and a big ball of fire.”
- “... an orangish nebulosity surrounded by an irregularly shaped white cloud elongated vertically, with a dim starlike nucleus.”
- “...It started to get bigger and it had a tail. By the time we got out of the truck, it had begun to spiral. It lasted for a few minutes, then became like a dim star and floated toward the west.”
- A “reflection of the moon off a cloud, but it was very iridescent, very vivid.”
- “...witnesses said an object appeared to have exploded in the sky and then moved into a cloud.”
- “It started out as a pinpoint of light. It was as if it were releasing some type of reflective gas into the air, and as the gas was released into air, it was as if it was spiraling around the pinpoint of light.” The spiral was “like pouring milk into coffee.”

Several interesting reports involved coincidences.

- An air traffic controller in Syracuse, reported three different-colored lights randomly moving and hovering for 45 minutes (but it turned out he was watching B-52s land at nearby Rome AFB, several hours after the real UFO).
- In Clark County, Kentucky, residents were panicked by an explosion while the light show was going on — but the sheriff later got an anonymous phone call confessing to setting off illegal fireworks.
- “... people said their homes shook and windows vibrated as if there had been an explosion or earthquake. They said the whole sky lit up. All these people weren’t imagining or seeing things. Some of them were very terrified over it right after it happened.”

Author's concluding comments in 1986 article

- The relevance of these perceptions to other UFO reports is connected with a series of night-time sky spirals seen over China in the late 1970s.
- Another interesting phenomenon was the way in which UFO groups seemed to get a type of description different from those reported to the national news media....
- In these accounts, subconscious interpretations by the collectors had evidently colored the straightforward, pure perceptions, and without other accounts the stories collected by the UFO groups could well have coagulated into a “true UFO” if the solution had not been published so quickly. This is a long-recognized (but evidently still serious) problem with anecdotal data collection.

August 27, 1987

- H-1 venting very good fit
- Witness and press reporting good calibration of local culture

Aug 27, 1988 event --
"Searching For
Flying Saucers"
published in Lanzhou,
Gansu province
July 1990 ['UNIVAC500']



July 1990

1.20 Yuan

Inside
back
cover





China photos
[left] versus
known rocket
launches [R]

Nitrocellulose (NC), Nitro-glycerine (NO)

THIRD STAGE IGNITION
(launch plus 2 minutes)
Violet and Blue is from
nitrates in fuel burning.
Think nitrogen in
atmosphere during day
scatters sun light to make
sky blue. Meaning the
color of light shows the
elements and this being
blue matches Trident II
missile fuel

Speed 13,600 mph

Time on clip 0:42

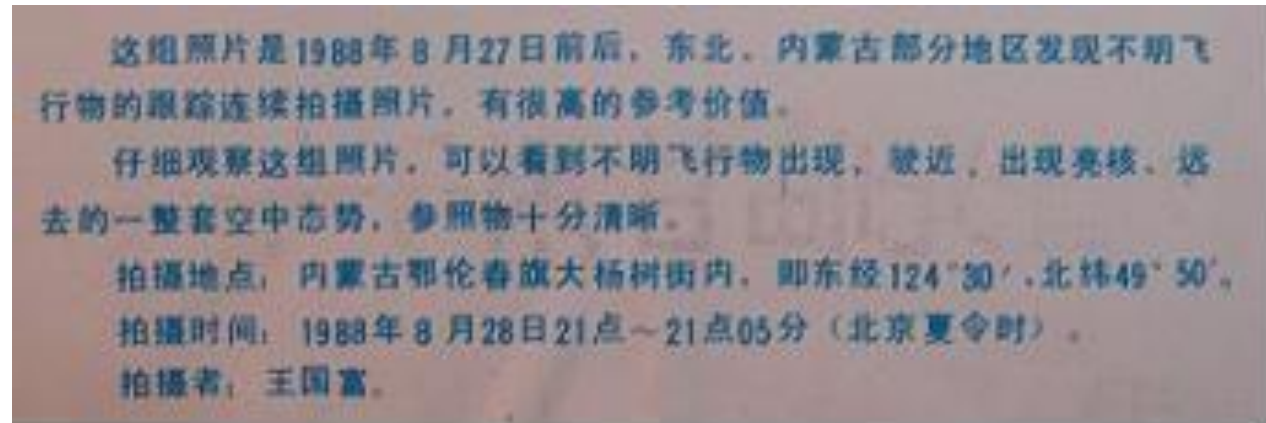
Aug 27[?], 1988

Sunset 7:46 PM

Sun altitude -13 azimuth 299

Oberg: THE APPEARANCE OF THESE PLUMES IS CLASSIC ROCKET ASCENT FROM 'NEARBY' [sunset indications suggest view to WNW]

Cannot determine if departing or approaching



"These photos were taken August 27th 1988. (August 28th 9:00 - 9:05 PM Beijing Time) Long: 124 30 Lat: 49 50. These photos were taken around Dongbei, NeiMengGu (Inner Mongolia)."

“Aug 25”, 1988 -- Heihe looking north

- This is a featured program of CCTV10 (prominent science&education based Chinese channel) called "Approaching Science"
- The incident actually happened more than 20 years ago in 1988, 9pm on 25th of August to be more precise. This was filmed by the bureau staff back then.

In the program they are especially intrigued by this spiral light's movement which it rotates clockwise for a while then made a sudden anticlockwise turn, what's more, this phenomenon appeared on the night sky of Heihe for a period of successive 5 days.

- When the bureau staff saw it they couldn't relate it to any possible meteorological phenomena that they are familiar with hence they referred to it as "extraterrestrial" or "UFO" literally
- While local people also speculated that the phenomenon might be due to the Russians disposing their nuclear arms but this idea is nonetheless rejected by the program's host Zhangtengyue arguing such way is not the way to disposing nukes. not to mention other nations would have detected such doings.
- “sunsky” at <http://www.abovetopsecret.com/forum/thread485458/pg3#pid7506886>

Aug 25, 1988

- Witness: "25 Aug 1988, 9pm, we were chatting outside when we suddenly saw a circle of light towards the Northwestern sky. After it appeared, it grew from small to big. The light swirled clockwise then counter-clockwise. We were stunned - what were those, had never seen before. The first impression was it had nothing to do with the weather. Maybe it's something from beyond the sky or some kind of flying saucer."

This, is the video that the HeiHe (Black River) Weather Bureau painstakingly preserved for 20 years. It was too long ago and the tape is a little blurred but we can feel the moment when people saw that how affected they must be. From the recording we can see that this was an extremely grand and beautiful phenomenon in the sky. A light rising at high speed, followed by swirls and expansion, abnormally bright.

And the oddest was during the swirls there was once it obviously changed direction. From clock-wise to counter clockwise. This amazing moment was something one couldn't see from its pictures. It is also something we had not imagined of when we do the computer simulation.

- Witness: " For many days this was the main topic among the people. Because it appeared on the first day, the second... it appeared continuously for 5 days. So the people debated about it for a long time. Most of ..."

<http://www.abovetopsecret.com/forum/thread485458/pg1#pid6786109>

Aug 25, 1988

- (1:43): "Most of them leaning towards whether it was Soviet Union trying to destroy their nuclear weapons, and whether it'll affect their own livelihood." It was 1988 and Soviet Union was beginning to approach dissolution. The Cold War was going to end soon. It is true that it had destroyed their nuclear weapons then but to do that you don't just throw that stuff up in the sky. The power of nuclear weapons are also very great in the air and to do that it meant it had been detonated. ..

(2:23) If Soviet Union had really done that, it's own people will be affected. No one in the world will allow that. Be it the United States or the European Union would have used all kinds of probes to detect it (here he went on to explain the proper way to dispose of nuclear weapons)...(3:15) Let's see the video again. First, I think it's really mysterious. 2nd, it's really beautiful. Esp towards the end - it was initially swirling this way and suddenly..."

(3:35) ... and suddenly with a method that one can't even describe, it swirled in the opposite direction with a beautiful tail. If this is not an UFO but a ball of flame, you'll be amazed by the human imagination. However, the mysterious part of all this is it is not something we have commonly come to know of in aviation or fireworks. It is something that was accidentally videotaped and been hanging in suspense for more than 20 years. what is it exactly?... (End)

- <http://www.abovetopsecret.com/forum/thread485458/pg1#pid6786109>

«Strange Aerial Phenomena in China UFO Wormhole?»

[posted June 06, 2009 -- pinwheel formation erratic, reverses sense



Strange Aerial Phenomena in China UFO Wormhole?

Disabled -- copyright violation -- <https://youtu.be/kNHEmrjRe5Q>

Working link -- <https://www.youtube.com/watch?v=tcBxNjoLJus>

Date/time of
video not well
documented
-- probably 1988
spin reversal



<https://www.youtube.com/watch?v=gkVX7yd0Tho>

SAME or DIFFERENT events?

- Dates two days apart but same local time
- Approximately same region of China
- Approximately same viewing direction
- Apparitions strikingly DIFFERENT

Why Failed Chinese Rocket Launches Are Not UFOs - Page 1 of 2

"Teale Britstra " <teale@macrokosm.com>

- <https://web.archive.org/web/20151112153448/http://www.thenerdbar.com/en/space-articles/15-why-failed-chinese-rocket-launches-are-not-ufos.html>
- This will be my third (and I hope final) instalment in the "Why Rockets are not UFOs" series. I hope you have enjoyed the previous articles, and given the evidence that I have presented within them a good look. I don't expect that everyone will agree with me, but I hope to at least show why many of the common arguments that claim "a rocket can't cause that because..." are inaccurate.
- In this article, I will be examining the last of the three spirals that are commonly referenced - the one that occurred in China in 1988. Please note that even this information is speculative - I have seen the same video listed as occurring on different dates, as well as some that claim it to be the Norway spiral. Also, very little other information is available regarding this event so I will essentially be analysing the one video that is available and seeing if I can fit it to the profile of a rocket. I suggest you open a copy of the video (<http://www.youtube.com/watch?v=FhVv8eqrRfl>) so that you can skip to each time reference and examine what I'm describing for yourself. As I believe this is different to the Norwegian and Australian spirals in many respects, I am going to analyse this from the perspective that it too is a rocket malfunction, though under very different circumstances.
- So let's take a look at the video! Starting at the beginning (a logical choice) I think it is fair to say that we can safely ignore the first 49 seconds or so, as these are just still pictures and some "ominous" humming sounds that are used to introduce the video. (On a side note, in my opinion I find it interesting that the two pictures used are stills taken when the phenomenon looks the most like a spiral, and that the only audio is the humming noise - and I believe this is intentionally done to lead the viewer into having certain feelings regarding the footage before it is actually shown. Always be aware of tactics that are used to influence you into feeling certain ways - Hollywood and the mainstream media are exceptionally good at this! Note: I acknowledge that the video author claims the humming is the noise recorded from a blue-white star. This is certainly possibly, however it does not change my opinion of its intent)

Britstra 2 of 3

- So the 50-second mark is where the action begins. If you pause here, two things are apparent. First, the phenomenon had started before the footage was filmed (this is expected), and secondly, the shape at this stage does not even resemble a spiral. For arguments sake, we could visualise it as the exhaust of a rocket that is launching towards the top right of the image, as well as some kind of "anomalous puff" of thrust spreading towards the top. Thrust in that direction would tend to spin a rocket in a clockwise manner, turning the "main thrust" direction first towards the right then downwards, then around to the left, etc.
- By the 54-second mark, we can see that this in fact, is exactly what is happening. The object continues to send most of its thrust out in the direction that we would expect the main rocket exhaust to be, while venting more out the side, spinning it clockwise.
- At the 59-second point, the object has continued to spin clockwise another full rotation. It is only now, after 8 seconds, that the ejected material is beginning to resemble the spiral that this is frequently claimed to be, and yet the object is still exhibiting behaviour that is totally consistent with what we would expect from normal physics and a rocket that is in the situation I've described.
- At around 1:04, we switch to a different perspective, and it here that I think the most interesting evidence starts. Pausing at this point, we can see some of the only evidence that will help us to discern details about the location of the object. Before the camera zooms in, we can see to the bottom right of screen, a set of 4 or 5 lights in a horizontal line, and the spiral to the left of these higher

Britstra 3 of 3

- Pausing again at 1:07, it appears that the spiral is behind some kind of tall structure, with no evidence of other tall structures around it. The building has a distinctive silhouette, and is probably our strongest clue as to a specific location where this event may have occurred (for those of us that cannot read or speak Chinese anyway!). Finding a single tall building in all of China still sounds a lot like finding a needle in a haystack though!
- So let's take a look at what we know and make some assumptions that may help us. First, there are only a couple lights visible in the shot at 1:04, to the right of the tall building, so we can safely assume this wasn't in the middle of any city, because there would probably be more lit structures visible in the footage. Second, the tall building silhouette in this shot is the only evidence we have of ANY tall buildings in any shot so far (and indeed the whole video), so we can assume that there aren't many tall buildings nearby. Third, there appears to be no lights close to the tall building - they are all separated by some unknown distance. Fourth, at the beginning of the article I said I was going to make the assumption that the spiral was made by a rocket and work from there. When all put together we can make the assumption that the rocket was still fairly close to the ground (as suggested by the lights and the building silhouette) in a relatively remote area which has few lit structures and a tall building. Does this sound familiar? What if I suggest that the building is more properly called a tower?
- Of course, this is all based on some (fairly reasonable) assumptions I made. What would really prove this point is some supporting evidence right? And the best way to do this is to find a launch tower on a Chinese rocket launch facility which has a similar silhouette. This is actually remarkably easy to do. A quick Google image search for "China rocket launch pad" will bring up literally dozens of pictures - and a large number of them fit very similar profiles to the one in the spiral video. Just a few examples can be seen [HERE](#), [HERE](#) and [HERE](#). All are tall rectangular buildings with protrusions at various heights and a semi-transparent triangular structure - a crane - on the top. Another example can also be seen in the video [HERE](#).

Aug 25/27, 1988 events

- May represent multiple causation activities in USSR
- Some indication of daily repetitions
- Nature of possible Soviet missile activity undetermined
- Visual similarities with documented 1982 June 18 USSR missile war games is tantalizing
- Satisfactory explanation remains to be found

"Feng Bao-1" ["FB-1"] and "Dong Feng" ["DF"].

- https://en.wikipedia.org/wiki/Feng_Bao_1
- The **Feng Bao 1** (Chinese: 风暴, meaning *Storm* or *Tempest*), also known as **FB-1**, was a Chinese carrier rocket launched between 1972 and 1981. It was replaced by the nearly identical Long March 2, which had been developed at the same time for political reasons related to China's Cultural Revolution
- The Feng Bao was derived from the DF-5 missile. Eleven were launched, of which four failed. Launches occurred from LA-2B at the Jiuquan Satellite Launch Centre.
- **Dongfeng** (simplified Chinese: 东风; traditional Chinese: 東風; literally: "East Wind") series, typically abbreviated as "**DF**", are intercontinental ballistic missiles
- The DF-5 is designed to carry a 3 megaton (Mt) nuclear warhead to distance up to 12,000 km. The DF-5 is a silo-based, two-stage missile, and its rocket served as the basis for the space-launch vehicle Fengbao (FB-1) used to launch satellites.
- The DF-5 missile was developed in the 1960s, but did not enter service until 1981.
- There is no open-source list of DF-5 test launches. CAN ANYBODY HELP??

Feng Bao flight history in time interval of interest

[data does not indicate any association with reports]

Date/Time (GMT) (Beijing is GMT+8)	S/N	Payload	Outcome	Remarks
10 November 1976 09:05	701-08	JSSW-6	Failure	
14 September 1977 00:15	701(II)-01	DDDS	Successful	Suborbital test, apogee: 200 kilometres
16 April 1978 16:39	701(II)-02	DDDS	Successful	Suborbital test, apogee: 200 kilometres
27 July 1979 21:28	XCZ-1-02	Shi Jian 1	Failure	Second stage malfunction
19 September 1981 21:28:40	XCZ-1-02	Shi Jian 2	Successful	Payload consisted of three satellites

Summary and Conclusions

- HELP!!

Extra / draft slides

-

China Rocket Launch May 23? Or UFO?

<http://www.abovetopsecret.com/forum/thread1069288/pg1> [2015]

June 30, 2002

- Something very interesting flew over China's three provinces including Sichuan in June of 2002. As reported by several media sources, on June 30, around 10 p.m., a mysterious, light-emitting, shape-changing object was observed in the nation's sky (*Shanghai Star* of July 3, 2002; *The Huashan Post*, *The Tianfu Morning Post*, *Henan Morning Post* and more). The accounts described an orange and white ray of light appearing in the sky. The ray flew from east to west, and was visible for about three minutes. Its size was approximately that of a desk, and it changed its shape from a fang-shaped object to a fan-like one.
- Chongqing sunset 19:58, at 22:00 sun altitude -22 azimuth 316
- The various witnesses' reports of the shape, size, time duration, and flight path of the UFO were very similar. The object was flying at a great altitude, much higher than an airplane would. The UFO was quite large. A newspaper in Sichuan reported that a pilot from a local air force station flew next to the object and mistook it for an enemy fighter. Tian Xianyuan, an eyewitness and the assistant manager from Chongqing City's Astronomy Center, was able to point out the object's exact location (Chongqing, an independent municipality was formerly part of Sichuan Province).

Useful links

- <http://www.thenerdbar.com/en/space-articles/15-why-failed-chinese-rocket-launches-are-not-ufos.html> By Ferrett78 **Teale Britstra**
<http://www.macrokosm.com/> : incendium@thenerdbar.com
- <https://web.archive.org/web/20151112153448/http://www.thenerdbar.com/en/space-articles/15-why-failed-chinese-rocket-launches-are-not-ufos.html>
- Part 2
<https://web.archive.org/web/20151112153448/http://www.thenerdbar.com/index.php/space-articles/15-why-failed-chinese-rocket-launches-are-not-ufos?showall=&start=1>

omsk

- Drawing <http://www.ljplus.ru/img/s/c/schnaider/ufo-1apapa.jpg>
- <http://schnaider.livejournal.com/297986.html?view=6331650#t6331650>
- The witness didn't recall when he had seen them: "It was somewhere in the year 1988-1992, both times winter - unfortunately I do not remember the exact month - in Siberia, very long winter."

My hypothesis is that he was watching volley-fire of two SLBMs from the Soviet submarine missile test range in the Barents Sea -- but without dates, no correspondence is possible.

From Corliss, 'Handbook of Unusual Natural Phenomenon'

- The NASA Centaur 2 launch on November 27th 1963 instigated several reports of strange luminous phenomena from ships far off the Florida coast. On the M.V. Wendover, bound from Dakar to Cape Town, the captain and many of the crew were treated to a spectacular show. "At first a small, white spherical cloud with a bright centre was seen bearing 230° at an altitude of 40° . It rapidly enlarged and assumed the form of perfectly defined concentric circles of light. The circles reached a maximum of 5° radius from altitude 40° to 50° and the greatest brightness was equal to that of a full moon. As the object passed across the sky, heading approximately $310^\circ - 130^\circ$, the concentric circles became elliptical with a 'Catherine-wheel' effect which gave the impression of anticlockwise rotation. When the body passed ahead of the vessel, the surrounding cloud of light dissolved and became the single bright white light usually associated with artificial satellites. (Marine Observer, 35: 20, 1965)

Sketches of the phenomena were submitted to the editor of the Marine Observer by the captains of the M.V Pennyworth and the M.V. Ripon, also in the North Atlantic well off Cape Canaveral.

- <http://files.abovetopsecret.com/files/img/ko5248cb2d.jpg>

UFO spotted in several cities across China

2013-05-14 01:24:20 GMT2013-05-14

09:24:20(Beijing Time) SINA ENGLISH

<http://english.sina.com/china/p/2013/0513/590203.html>

Taiwan's X-Files

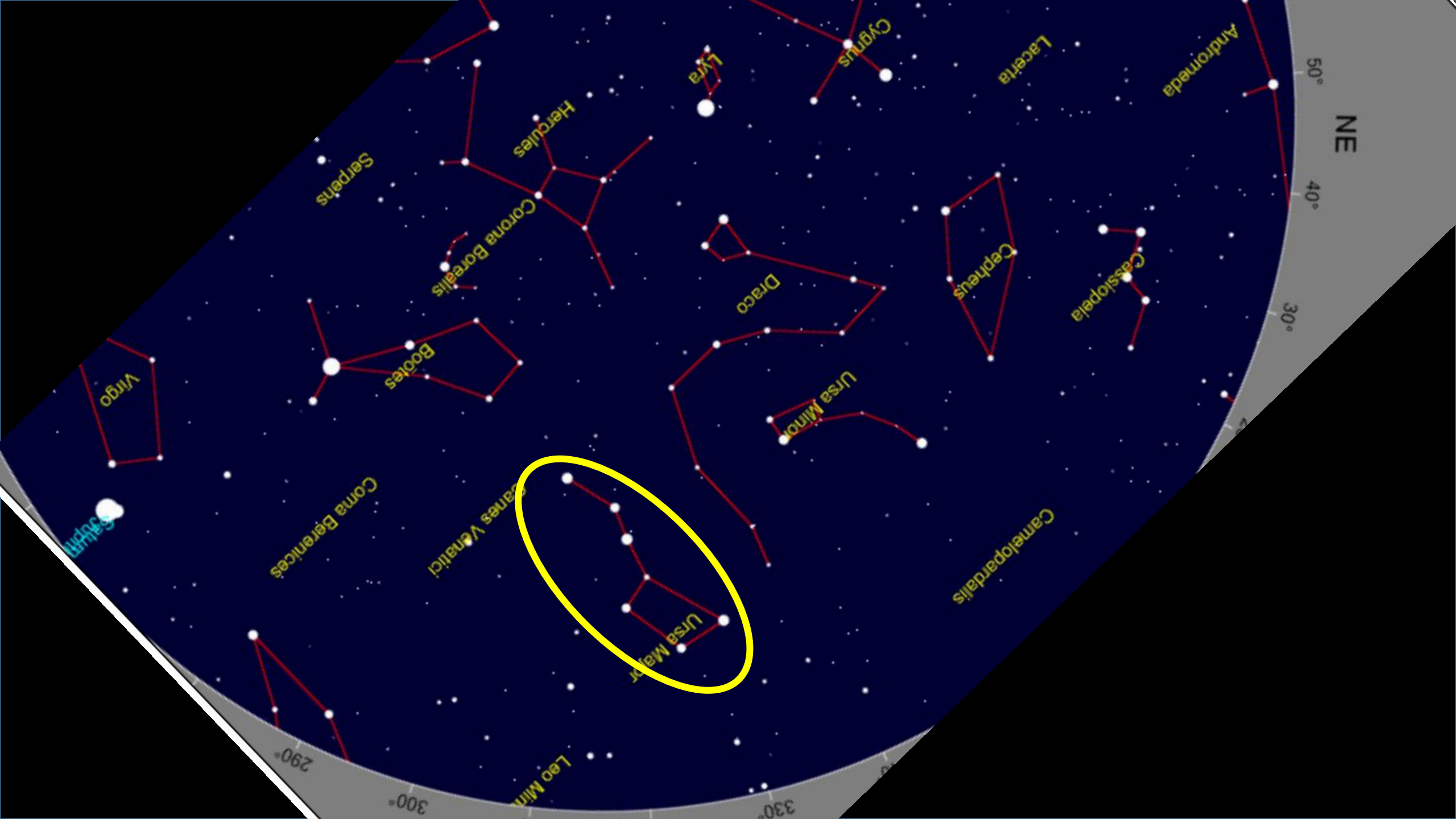
- At 7pm on the evening of August 25, 1987, Li was waiting on the platform at Shulin (¼ð²L) train station, Taipei County (¥x¥ çx), when a strange light appeared from behind the nearby Tatung Mountain (xj, Pxs).
- "I was waiting on the platform and this light caught my eye. At first I thought it was an airplane, but after a while the shape of the object became apparent. It was like a lemon, which is when I realized it wasn't any aircraft I was familiar with and it must be a UFO," recalls the now 74 year-old Li, recalling the incident as vividly as though it had happened only yesterday.
- "The spaceship then began to fly back and forth over the summit of Tatung Mountain. By this time the lights were flashing very brightly and were hard to miss. Everyone on the platform was looking at the lights. I shouted 'it's a UFO,' but I don't think anyone understood as I said UFO in English. The UFO then began gyrating incredibly quickly and disappeared just as suddenly as it had appeared. The people on the platform were all looking at each other not knowing what they'd just seen. But I knew. It was defiantly a UFO. No airplane would move in the way that object did."

<http://www.ufocasebook.com/taiwanxfiles.html>

May 13, 2013

- <http://english.sina.com/china/2013/0514/590579.html>
- **Scientists explain UFO seen over China**
- 2013-05-14 23:24:46 GMT2013-05-15 07:24:46(Beijing Time) Shanghai Daily
- A glowing object spotted shooting across the night sky in central and southwest China on Monday was not an alien UFO but a rocket used in an experiment, the Chinese Academy of Sciences said yesterday.
- Scientists at the academy's National Space Science Center announced they had launched a probe into the upper reaches of the Earth's atmosphere after videos and pictures of the object had been posted on the Internet.
- "The rocket was launched at 9pm on Monday from the Xichang Satellite Launch Center in southwest China to investigate energy particles and magnetic fields in the ionized stratum and near-Earth space," the space science center said.

Wayback http://www.getxnews.com/wp-content/plugins/wp-omatic/cache/77b72_NorwaySpiralLight3.jpg



Discussion of shuttle water dumps

- https://groups.google.com/forum/#!topic/sci.space.shuttle/QidGwXuUw_o