

ORB OF LIGHT

Description:

Dr. Elana Markov sat hunched over her desk, the flickering light of a small monitor casting shadows across the cluttered lab. The coordinates had come from a crumbling fragment of an old text—a discovery that many dismissed as mere legend. But Markov knew better.

She had just returned from the coordinates after finding a ominous video, her breath catching as grainy, footage filled the screen. The camera, sat motionless watched an endless, icy expanse, the snow creating a dense fog in the distance she watched and watched trying to find something, anything to give her a clue of what this was, she knew something was off.

As she watched the video over and over she realized there must be another part of the video, she must be missing something. She returned to the site and found a note hidden under piles of rubble with the same ancient cipher as before.

Hours later, she had deciphered the beginning of the hidden message within the light. It was fragmented, incomplete:

"To find the truth, follow..."

She pushed on looking everywhere for anymore clues to what this might mean. After searching high and low she discovered a hidden compartment with a cryptic note, the beginning looked familiar, the same as before, but this one was complete "To find the truth, follow... wkh ruev ri oljkw, wkhb iolfnhu lq d suhglfwdeoh sdwwhuq, wkhb zloo ohdg brx wr Wkh Hwhuqdo Qdyljdwru. Wkh sdvvzrug brx vhhn lv rue5ri01jkw" With this, she knew what she needed to do.

1. Decoding the hint from description

I received a zip file with a password and needed to find a clue. The description contained some encrypted text, which I decoded using ROT13. This revealed the password. 'orb5ofL1ght'



2. Unzip

3. Checking the file

After unzip it. I'm getting the .mp4 video and looks it out.

```
(osiris@ALICE)=[~/Downloads/CTF/STOUTCTF/orbs]
$ file orbs_of_light.mp4
orbs_of_light.mp4: ISO Media, MP4 Base Media v1 [ISO 14496-12:2003]
```



4. Open up the video

With a quick reaction and sharp eyes. I we can see some blinking on the corner left. It was an morse coded.



5. Decoding the morse code

Decode it one by one using any video tools will help a lot.



After Getting the dots. We can get final flag.



Flag STOUTCTF(NZO2ARCB9SKB24K5MMEVY5GYWAAJJHQG)