

Earth

**Aliens On Earth.com***Resources for those who are stranded here*

Earth



[UFOs](#) | [Paranormal](#) | [Area 51](#)
[People](#) | [Places](#) | [Random](#)
[Top 100](#) | [What's New](#)
[Catalog](#) | [New Books](#)

Search... for keyword(s)

in Page Titles

Our Bookstore
 is **OPEN**

[Mothership](#) -> [UFO](#) -> [Updates](#) -> [1997](#) -> [Nov](#) -> Here

UFO UpDates Mailing List

Mexico City - More Video Analysis

From: **bruce maccabee** <brumac@compuserve.com>
 Date: Sat, 15 Nov 1997 00:48:53 -0500
 Fwd Date: Sat, 15 Nov 1997 09:58:14 -0500
 Subject: Mexico City - More Video Analysis

MEXICO CITY VIDEO ANALYSIS
 PRELIMINARY DISCUSSION PART TWO

I have discovered new and significant information from my continued study of the video. Before I present it I would like to point out that I am working from a video copy made from a tape that was received over the "airwaves" by a person in Mexico City. Therefore it is not as clear as the original. In fact, the pictures in the just-published November issue of the MUFON Journal are clearer. Hence I many hope for yet further information when I get a "perfect" copy of the video.

Those of you who subscribe to the MUFON Journal will see printed therein information that was circulated in the network over a month ago (Bill Hamilton's initial report of Oct 1 on UFO Updates and a report from UFO Roundup of Oct. 12).

Further analysis of the video shows that the zoom factor is about 4. This is low for the typical videocamera. Probably the camera was partly zoomed before the first video images. I assume it was zoomed to maximum. This has bearing on the focal length and on the field of view and on the hoax hypotheses discussed in the first part of this analysis.

The UFO appears on video for 23 seconds. The video continues for another 11 seconds after it disappears behind the second building. At the beginning of the video the UFO is stationary for about 8 seconds before moving to the right.

Further checks of the wobble rate confirm that the wobble cycle is approximately 2.2 (+/- 0.2) sec/wobble, or about (1/2) wobble per second. A further check of the rotation rate confirms the roughly 0.16 cycles/sec. or about 6 sec per revolution cited previously.

Bill Hamilton wrote that the rotation rate was once per second, but I don't think this is correct. The moving dark spots are what give the impression of rotation.

I measured the number of frames it takes for a spot to move 0.2 times the length (diameter) of the (assumed circular) disc image.

This motion was measured at the center of the disc image and so corresponds to an angle (relative to the center of the disc) of 0.2 radians (almost exactly). This measurement was difficult to make because the dark spots were so diffuse (could do better with a better copy of the video blowup). However, I found that it requires 5 to 7 frames for a spot to move 0.2 rad. Picking 6 frames as an average number, this means 0.2 rad per (6/30 sec) or 0.2 rad / (1/5 sec) = 1.0 rad/sec. But there are $2\pi = 6.28$ (approximately) radians in a revolution, so it requires 6.28 second per revolution. The inverse of this is 0.16 revolutions

per second, which is the value given in the first part of this analysis (but without justification).

The UFO's horizontal motion relative to the left hand edge of the first building was discussed in the first part of this analysis. The velocity was found to be constant to a good degree of accuracy as long as the UFO was visible. After the UFO reappeared above the first building and traveled in a level trajectory toward the second it slowed down. Just before it disappeared it was going about 0.6 times as fast as the initial horizontal speed. The measurements suggest some slight oscillation in the speed, but higher resolution will be necessary to prove this.

Careful measurements of the image size using the negative image format (sky dark) and adjusting the brightness so that the UFO is just "above" visible, I find that the initial length on this 1.6x blowup is 38 mm. While above the center of the first building it's length is about 40 mm, suggesting that it got closer. Then, just before disappearing its length is 33 mm long indicating that it moved away.

A study of the image brightness has revealed significant information which is consistent with the above image size measurements. By setting brightness levels appropriately I determined that the image brightness is lowest (greatest contrast against the bright sky) when the UFO is over the first building. The image brightness is slightly higher (slightly less contrast) before the UFO moves behind the first building. Then, of particular significance, is the fact that as it moves toward the second building the contrast decreases (image brightens) continually until it disappears.

The significance of the image brightness changing (image contrast changing) is based on the haze effect or atmospheric "extinction." The farther an object moves away into a bright sky background with haze, the brighter it appears, eventually at some distance reaching the brightness of the sky background, at which distance it "disappears" because there is no longer any contrast between it and the background. For example, a black sphere that moves away from the observer will grow smaller but it will also increase in brightness. The increase in brightness is a result of light scattered by haze particles or dust or air molecules into the path of the light from the sphere to the observer. In this case we have an object, the UFO, which is not as bright as the sky background. When first seen it has some brightness level and contrast to the sky and a size measurement of about 38 mm. Then a few seconds later it's brightness is lower (and contrast is greater) and the image size is greater, both of which are consistent with the UFO moving closer to the camera (about 5% closer). Then as it moves to the right the brightness increases as the size decreases (by about 18%) indicating the object started moving away from the camera before it disappeared behind the building. In fact, it appears to have initiated a curved path away from the camera just before it disappeared behind the building. One may imagine that, if this not a VERY clever hoax, the UFO never appeared on the right side of the second building because it had made a "left turn" (but not at East Gate) and disappeared in the distance.

THIS IS A PRELIMINARY ANALYSIS. SOME NUMBERS (maybe all numbers) QUOTED HERE MAY CHANGE AS A RESULT OF INFORMATION OBTAINED IN THE FUTURE.

The only conclusion possible so far is that if this is a hoax..... then we should all turn left and disappear into the haze..... (where is that East Gate when we need it?)

Search for other documents to/from: [brumac](#)

[[Next Message](#) | [Previous Message](#) | [This Day's Messages](#)]
[[This Month's Index](#) | [UFO UpDates Main Index](#) | [MUFON Ontario](#)]

UFO UpDates - Toronto - updates@globalserve.net
Operated by Errol Bruce-Knapp - ++ 416-696-0304

A Hand-Operated E-Mail Subscription Service for the Study of UFO Related Phenomena.
To subscribe please send your first and last name to updates@globalserve.net
Message submissions should be sent to the same address.

[[UFO Topics](#) | [People](#) | [Ufomind What's New](#) | [Ufomind Top Level](#)]

To find this message again in the future...
Link it to the appropriate [Ufologist](#) or [UFO Topic](#) page.

Archived as a public service by [Area 51 Research Center](#) which is not responsible for content.
Software by Glenn Campbell. Technical contact: webmaster@ufomind.com

Financial support for this web server is provided by the [Research Center Catalog](#).