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UFO UpDates Mailing List

Mexico City Video Analysis - Part Three

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From: bruce maccabee <brumac@compuserve.com>
Date: Sat, 22 Nov 1997 11:46:03 -0500
Fwd Date: Sat, 22 Nov 1997 19:49:28 -0500
Subject: Mexico City Video Analysis - Part Three
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[I've tried to clean this one up too Bruce -
 a few lines I didn't touch - ebk]

This is the third report on the Mexico City video.

MORE MEXICO VIDEO ANALYSIS - PART 3

Thanks to a respondent who made his own measurements of the
motion of the UFO I have discovered that my estimates
of velocity,acceleration and rotation speed are wrong.

I used a blowup version of the video to make the velocity and
acceleration measurements. By comparing the time it takes
(number of frames) for the UFO to disappear behind the first
building I determined that the blowups had also been slowed
down. The correct calculations and comparisons with
the original calculations are shown below.

```
                        FROM DIRECT VIDEO              FROM BLOWUP

                                         1.6x            7x

frames to go behind

building                20 frames         47              47



time is #frames times 1/30

sec times scale factor

                20 x (1/30) = .67 sec   47 x(1/30) x 0.425=
0.67

                        0.67 sec                0.67



Velocity based on previous calculation using 1.6x

and assuming 25 ft wide UFO                16.9 ft/sec


Corrected velocity (use scale factor)   16.9/.425 = 39.7 ft/sec
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The velocity change (zero to 39.7 ft.sec) appears to take place
in 1 frame of the  direct video. Hence the acceleration is
39.7/(1.30) = 1191 ft/sec^2 which corresponds to 37 g's (
g = 32 ft/sec^2).

If the acceleration took place in 2 frames the magnitude of
 the acceleration was 1/2 of this.



THIS NUMBER SUBJECT TO FURTHER MODIFICATION.

Because of the time scale factor change the wobble rate is about
twice what was given before and the apparent rotation rate is
about  twice what was given before.

NEW INFORMATION :  I have been informed that the videographer is
known, the original video exists, and there are 9 other
witnesses. I cannot verify this information, it is what have been
told.  I was also told that one of the witnesses was at street
level on the opposite side of the building where the UFO finally
disappeared andthis witness claims that she saw the UFO
"disappear."

If so, this could explain why it was not seen in the video
reappearing from behind the building.
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