



REPORT OF INVESTIGATION

REPORT HEADER:					
CASE NUMBER:	13-093	DATE COMPLETED:	31 Oct 2013		
DISPOSITION:	Closed	FIELD INVESTIGATOR:	Antonio Paris		
ASSESSMENT:	Unidentified	DATE OF INCIDENT:	15 Oct 13	TIME:	2030
CLASS:	Anomalies (AN)	LOCATION:	Federalsburg, MD		
RATING:	1	GPS COORDINATES:	38° 41.657'N; 75° 46.329'W		
WITNESS:	XXXXX	STRANGENESS:	3	PROBABILITY:	1
EMAIL:	XXXXX@aol.com	OCCUPATION:	Farmer	EDUCATION:	Not Applicable

CASE SYNOPSIS:

According to two witnesses: On 15 October 2013, at 2030 hours, a strange humming sound was heard outside their home. The two witnesses went outside, looked up in the sky and saw a bright light that remained stationary. At the same time, the two witnesses also saw what appeared to be "two jets, from different directions, flying toward the light". As the "jets approached the light", it faded away. One of the witnesses attempted to take a photo of the UFO with an iPad. However, the iPad's poor focusing capability could not render a clear photo.

(AN-1) Class and Rating Explanation: Anomalies that do not have lasting physical effects, such as lights or unexplained explosions.

(3-1) Probability/Strangeness Index Explanation: 3-Multiple witness reports within short time of the sighting with good consistency between witnesses. Photographs or videos with clear provenance. Photographs *have* EXIF data consistent with testimony and have been subjected to careful analysis. Witnesses do not seek publicity; 1-Possibly a known manmade or natural object if one aspect of the report is misreported or misperceived. Five minutes later, two more aircraft closely following the same vectors were in visual sight of witness location.

INVESTIGATIVE RESULTS:

30 Oct 13: All investigative efforts were completed. Case was closed as unidentified. However, see investigator's Leading Hypothesis supported by relevant data gathered during the investigation.

Leading Hypothesis:

The "UFO": Hidden Valley Airport is *exactly* in the line-of-sight where "the light" hovered (241° from witness location, which very close to the direction reported by witness); and the airstrip is less than 5 miles from where the witnesses were standing. It is possible "the light" emanated from the airport. Additionally, astronomical analysis indicated Venus was just over the horizon and also in the line-of-sight where "the light" hovered (Venus was at RA 235° and Dec 7° compared to the UFO at RA 240° and Dec 10°). Lastly, weather checks indicated there were clouds that night and could have obscured the UFO – accounting for the "light slowly faded away" statement.

The "Jets": According to radar analysis for 15 Oct 2013 (at 2016 hours), two aircraft were flying towards each other at a vector that would make it appear as though they were approaching the UFO. US Airways Flight US2121 (call sign AWE2121) was within visual sight of the witness at a heading of 277° (Radar T-F5M); and Canadair CRJ-700 (call sign GJS6206) was within visual sight of the witness at a heading of 35° (Radar T-F5M). It is likely witnesses observed these two aircraft.

Humming Noise: Less than ½ mile from witness location *and* also in the same direction (240° SSW) is a large agricultural plant. Investigator drove past this plant on 25 Oct 13 and noticed a loud machinery-type noise from the plant.

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INVESTIGATIVE CHECKLIST

SIGHTING DETAILS:		WEATHER:			
DURATION OF EVENT:	Several minutes	CLOUDS:	Partly Cloudy		
TERRAIN DESCRIPTION:	Farmland	WINDS:	Calm		
LOCAL AIRPORT:	Hidden Valley	TEMPERATURE:	64°		
NEAREST MILITARY BASE:	Dover AFB	PRECIPITATION:	None		
NEAREST SPACE LAUNCH:	Wallops NASA	VISIBILITY:	10 miles	PRESSURE:	30.16
NEAREST DEFENSE CONTRACTOR:	Sotera Def Solutions	SUNRISE:	0713	SUNSET:	1825

ASTRONOMICAL DATA:			
MOONRISE:	1627	MOONSET:	0335
LUNAR ILLUMINATION %:	87% Waxing Gibbous	LOCATION IN SKY:	RA130° D35°
ANY ASTRONOMICAL PHENOMENA? (METEOR SHOWER, ETC):			
<p>Checks on NASA's Fireball Database and American Meteor Society completed on 30 Oct 2013. No known fireballs reported for location during 15 Oct 2013.</p>			

OBJECT DESCRIPTION:			
DIRECTION OF TRAVEL:	Hovered	SHAPE OF OBJECT:	Sphere
SIZE FROM WITNESS LOCATION:	Pinhead	ACTUAL SIZE IF KNOWN:	Not Determined
DID OBJECT LAND?	No	SPEED IF KNOWN:	Not Applicable
DID OBJECT CHANGE SHAPE?	No	PILOT OR ENTITY?	No
COLOR OF OBJECT:	Amber and White	AZIMUTH:	240°
WINDOWS OR PORTHOLES?	No	ELECTRONIC DISTURBANCES?	No
UNUSUAL MANUEVERS?	No	MARKINGS?	No
HEAT FROM OBJECT?	No	NOISE?	Yes
ANY LIGHTS?	Yes	TYPE OF LIGHTS:	Steady
AIRCRAFT IN AREA?	Yes	OTHER:	None

INVESTIGATIVE CHECKS CHECKS (YES OR NO):			
WITNESS INTERVIEW:	Yes	FIELD SITE VISIT:	Yes
PHOTO/VIDEO FORENSICS:	Yes	RADIATION TEST:	Not Applicable
EMF TEST:	Not Applicable	METAL DETECTOR TEST:	Not Applicable
METEOR ACTIVITY:	Yes	SPACE LAUNCH CHECKS:	Not Applicable
LOCAL LAW ENFORCEMENT:	No	STATE OR FEDERAL POLICE:	No
RADAR ANALYSIS:	Yes	SPACECRAFT CHECKS:	Not Applicable
INDICES CHECKS ON MUFON:	Yes	INDICES CHECKS ON NUFORC:	Yes
INDICES CHECKS ON API:	Yes	AIRCRAFT CRASH REPORTS:	Not Applicable
ASTROPHYSICAL CHECKS:	Yes	GOOGLE EARTH ANALYSIS:	Yes
SKY VECTOR CHECKS:	Yes	OTHER (FAA, etc):	No

EVIDENCE COLLECTION (YES OR NO):			
SKETCH:	No	PHOTOS:	Yes
VIDEO:	No	PHYSICAL:	No
SOUND:	No	MEDICAL:	Not Applicable
OTHER:	No		

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INVESTIGATIVE CHECKLIST

INVESTIGATIVE ACTIVITY (INCLUDE DATE COMPLETE PER ACTIVITY):

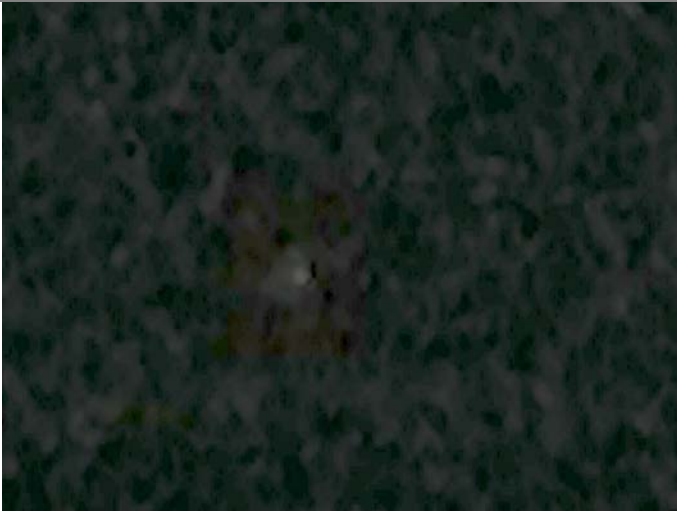
- 23 Oct 13: Received report from witness.
- 24 Oct 13: Sent witness an email and requested an interview. Witness responded and provided address for interview. Converted address to GPS coordinates.
- 25 Oct 13: Investigator travelled to Federalsburg, MD and interviewed both witness and her spouse. Both witnesses retold their story. The investigator went outside with the witnesses and determined that the object was 10° above the horizon and was at 240° SSW. Several photographs of the area were taken and the investigator gathered additional photos from the witness. It is the opinion of the investigator the witnesses were truthful, but likely observed natural phenomena or a man-made object.
- 26 Oct 13: Completed basic weather, radar, and Google Earth analysis. An analysis of Google Earth indicated Hidden Valley Airport was 241° and 4.5 miles away from witness location. Photo forensics and ELA analysis complete. Photos were authentic and not tampered with. According to EXIF data, however, photos were taken at 2014 hours and not 2030 hours:
 - EXIF Data Analysis: Make: Apple; Camera Model Name: iPad mini; Orientation: Horizontal (normal); X Resolution: 72; Y Resolution: 72; Date: 2013:10:15 20:14:49; Exposure Time: 1/15; ISO: 640; Shutter Speed Value: 1/15; Flash: No flash function; Scene Type: Directly photographed; Field Of View: 12.5 deg; Image Size: 2592x1936.
- 27 Oct 13: Completed astrophysical and astronomy research. Venus was just over the horizon at 235°, very close to where witness observed the light. (Venus was at RA 235° and Dec 7° compared to UFO at RA 240° and Dec 10°).
- 28 Oct 13: Completed weather analysis; updated investigator steps. Received email from witness stating she was not aware an airstrip was only four miles from her home.
- 30 Oct 13:
 - Indices checks on local defense contractors resulted in finding Sotera Defense Solutions, Inc located at 28712 Glebe Road Easton, MD 21601. This defense contractor, however, is not in the vicinity of where the object was observed.
 - Radar analysis complete: According to radar analysis for 15 Oct 2013 (at 2016 hours), two aircraft were flying towards each other at a vector that would make it appear as though they were approaching the UFO. US Airways Flight US2121 (call sign AWE2121) was within visual sight of the witness at a heading of 277° (Radar T-F5M); and Canadair CRJ-700 (call sign GJS6206) was within visual sight of the witness at a heading of 35° (Radar T-F5M). It is likely witnesses observed these two aircraft.
 - Checks on NASA's Fireball Database and American Meteor Society completed on 30 Oct 2013. No known fireballs reported for location during 15 Oct 2013.
 - Indices checks on MUFON, NUFORC, and API databases complete. No UFO activity, other than to API, was reported for the area for 15 Oct 2013.
- 30 Oct 13: Investigative steps complete. Case closed. Likely Venus or light from Hidden Valley Airport.

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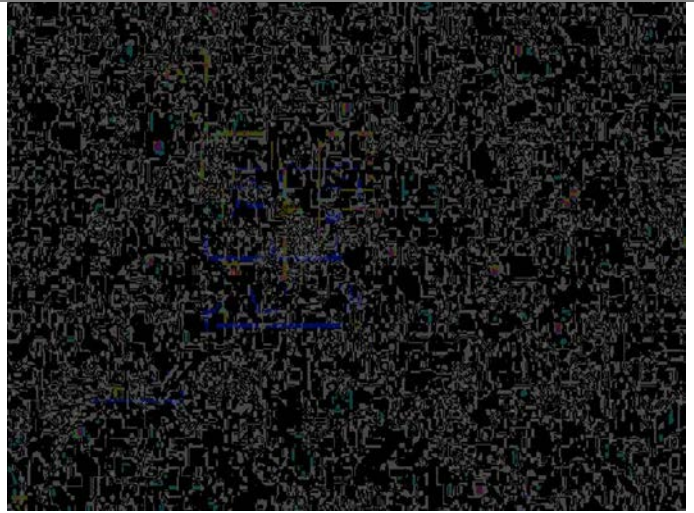
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INVESTIGATIVE CHECKLIST

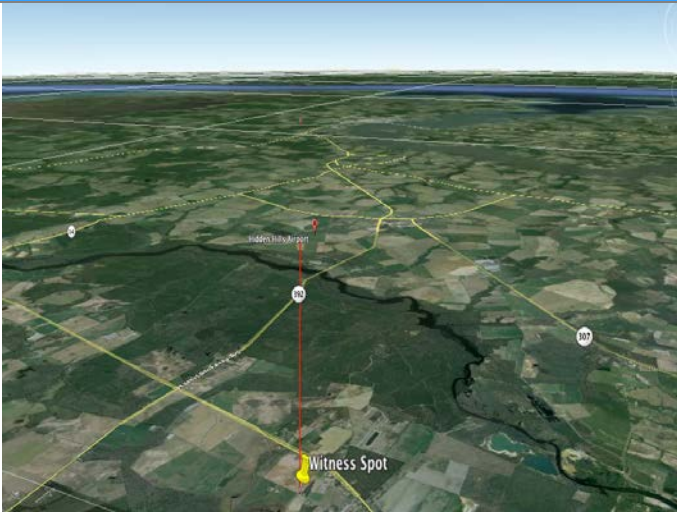
PRIMARY WITNESS PHOTOS OR SKETCH 1



ELA FORENSICS (Photo is not tampered with)



GOOGLE EARTH MAP



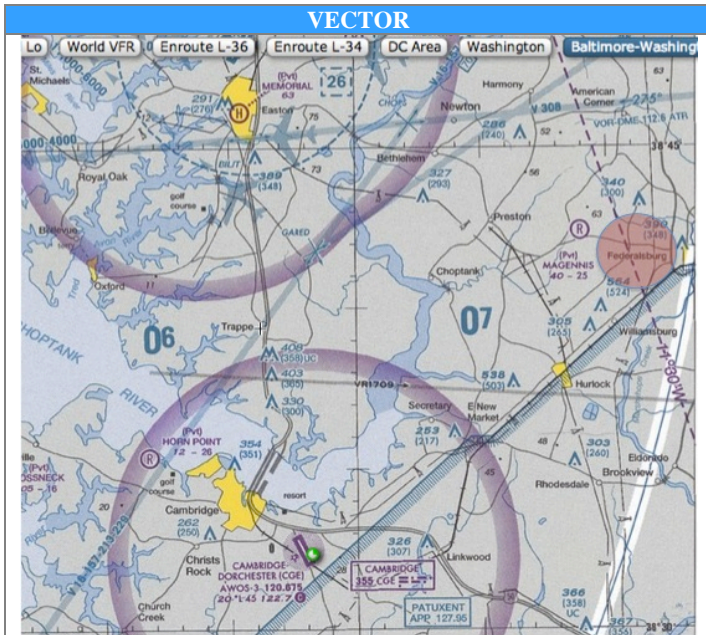
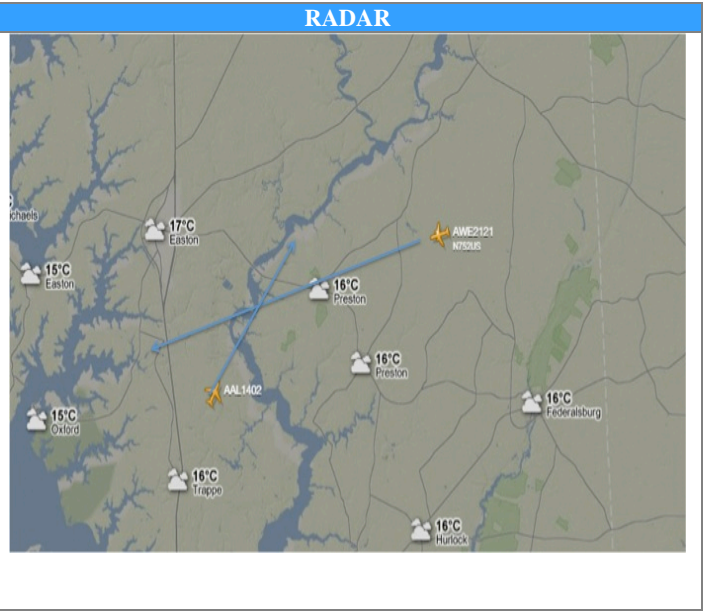
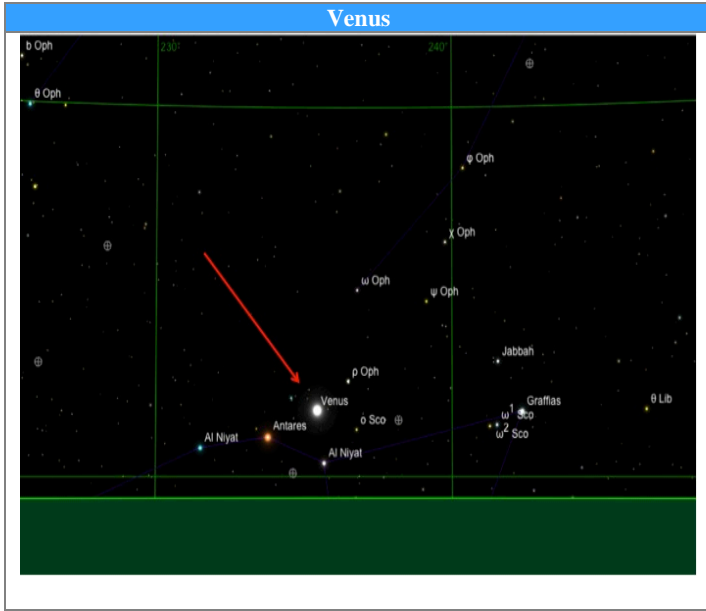
SITE VISIT



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