PROJECT 10073 RECORD CARD

1. DATE 2. LOCATION 7 Sep 61 Cape Canaveral, Flo		Florida	12. CONCLUSIONS Was Balloon Probably Balloon Possibly Balloon
3. DATE-TIME GROUP Local	4. TYPE OF OBSERVATION Ground-Visual Air-Visual	MI Ground-Rodor Air-Intercept Rador	Was Aircraft Probably Aircraft Possibly Aircraft
5. PHOTOS O Yes KNo	6. SOURCE Military		DX Was Astronomical (5/1) D Probably Astronomical Possibly Astronomical
7. LENGTH OF OBSERVATION 4 sec	8. NUMBER OF OBJECTS	9. COURSE Vertically	Other
in tracking scope. During m		to be star Gamma	in scope was determined Piscium.

ATIC FORM 329 (REV 26 SEP 52)



AIR FORCE MISSILE TEST CENTER AIR FORCE SYSTEMS COMMAND UNITED STATES AIR FORCE PATRICK AIR FORCE BASE, FLORIDA

UNCLASSIFIED



28 September 1961

REPLY TO

ATTH OF: MTW

SUBJECT: Transmittal of Requested Data

TO: FTD (TD-Eld)

Reference is made to your Message TD-ElD 19-9-390. The additional data requested in Part III of your message is attached. Please note that the trajectory data inclosed as Attachment 1 is trajectory data obtained by the Azusa system only. It is planned that further information, including a refinement of trajectory data, will be furnished to you as soon as it becomes available.

FOR THE COMMANDER

JAMES OF PAYNE

Lt Colonel, USAF DCS/Foreign Technology

3 Atch

1. RCA Data Processing Test No. 3212 (S)

Cy 1 of 1, MT 61-38681

2. MTER Memo, undtd, (S), Cy 1 of 1,

MT 61-36791

3. MTER Memo, undtd, (U),

DOWNGRADED AT BURNER 12 YEARS, DOD DER ALLS TEARS.

Classification Cancelled ASSIFIED Auth. Davie Town 1969
Date 90 WAY 1969
AFR 2051, Par 2-172
250-68

When Inclosure(s) are withdrawn or not attached the classification of this correspondence will be downgraded to 40.665 in accordance with Par. 13, AFR 205-1.

UNCLASSIFIED

MT 61-63532



	SECURITY CLASSIFICATION	
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ro:	21. DTEXEUT	RJEZHA
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AFCIN (For Gen Breitweiser) Wash Co DCAS (For Gen Estes) Inglewer Co	lif RJWZXF	-11000
TD-6 16-9-3:11	0	nitials
Reservence AFMTC message 61-39	, 15 Sep 61 a	Phockad/Au F22
		Disched by_/
Messa	ge in two parts.	
Part I.		11/6
1. Radar, optical and other sensor readi	nge of Titan missile	
Le madar, oporodi dina odnor domodi rodar	1160 OT TIOUT MUSSELLO	ENCOBED
from all positions on AMR at time of rep	orted incident,	nitials
		ime 16/1917
immediately preceeding reported incident	and immediately after	Checked By
reported incident.		
		DYEXTON
2. Azimuth of launch trajectory.		KAEN 7
		LNC()()+1)
3. Burnout time of missile.		Initials
4. Angle of evelation and azimuth of lin	a of site of samons	Time 16/1930
4. Migre of everacton and aztinuen of Tin	ie or sice or camera	Checked By Z
at time incident observed.		
5. Angle observed incident crossed camer	a field of view.	
		DATE TIME
6. Basis of established geographical coo	ordinates in Cuba.	MONTH YEAR
		SEP 1961
SYMBOL	SIGNATURE	
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Att: T. J. Obst

Information on Sensors That Were Tracking Missile at Second Stage Burnout.

Sensor	Type	Field of View or Beam Width
Azusa MK II BC 3.C PC 4.1 Radar lp.16 Radar 3.16	BC-4 Camera BC-4 Camera FPS-16 Radar FPS-16 Padar	1.2° 1.2°

The FPS-16 radars acquired data but it was very erratic at second stage burnout.

212/3



UNCLASSIFIED

1961 SEP 17 06 03

2/sw 7/961

SQB 567

ADB 198FQB899

OO RJEDSQ

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FM AFMTC PATRICK AFB FLA

TO RJEDSQ/FTD WPAFB OHIO

INFO ZEN/AFSC ANDREWS AFB MD

ZEN/HQ USAF WASH DC

RJWBFK/DCAS INGLEWOOD CALIF

BT

OPERATIONAL IMMEDIATE

Classification Cancelled (or changed to MAY 1969

Date 9 MAY 1969

AFR 2054 Par 2-172

Janes

MTW-16-9-40. FTD FOR TD-G, AFSC FOR SCF GEN WATSON,

REF SECRET MSG TD-G 15-9-321. REPLYING TO PART I,

QUESTION 1: NEGATIVE OBSÉRVATIONS OF UNKNOWN OBJECT BY RADAR,

OPTICAL OR OTHER RANGE INSTRUMENTATION. CONSIDERABLE RANGE DOCUMENTARY

FILM STILL BEING ANALYZED FOR POSSIBLE CONFIRMING INDICATION.

QUEETION 2: FLIGHT AZIMUTH 105.5 DEGREES.

QUESTION 3: SUSTAINER ENGINE BURNOUT TIME APPROXIMATELY Ø137:10Z

8 SEP 1961.

QUESTION 4: NO ELEVATIONS AND AZIMUTH DATA ON THIS PARTICULAR CAMERA.

PAGE TWO RJEXFQT 153C

WE WILL OBTAIN THIS DATA FROM A TRACKING CAMERA POSITION APPROX ONE

SECURITY CLASSIFICATION

FROM:

FTD



- 7. Did trackers report incident immediately when it happened or after film developed?
- 8. Were any observations of incident reported from ships at sea?

 If so please furnish details, including ship locations.
- 9. Any hard facts or evidence to support "possible explanations" reached in part III of referenced message.

Part II. The following comments are offered regarding the possibilities broached: (1) that this was an IRBM. The timing coincidence coupled with the U.S. countdown, the geometric relationship, and the estimated characteristics of Soviet MRBM/IRBM propulsion systems strongly argue against this possibility. (2) That this was an ABM. Able: This would have to be waterborne and this is unlikely in this time period considering the present Soviet land-based capability. Baker: The technique of interception during ballistic missile launch and check-out EXMEN is not believed under development. Charley: The best estimates of a Soviet ABM capability are in the 63-64 time period. This would mean that the Soviets have a 3-5 year lead on the best estimated capability, presuming such a weapon is being field-tested under the described conditions. Regarding the other three possibilities, they may not be derived on the basis of data

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available here, therefore we do not consider comments appropriate.

INITIALS

LIGHT SOURCE EMANATING FROM THE IONIZATION CLOUD OF THE ATLAS-(
AGENA AND FLY AT HIGH SPEED APPROXIMATELY OVERHEAD WITH AN AZIMUTH
OF APPROXIMATELY 29% DEGREES. (D) MATHEMATICAL CALCULATIONS
POSITIVELY INDICATE THE GREAT IMPROBABILITY OF OBSERVING AN AIRCRAFT AT OR BELOW ANY NORMAL JET AIRCRAFT ALTITUDE SINCE THESE
CALCULATIONS SHOW THAT AN AIRCRAFT AT 35,000 FT WOULD HAVE TO BE
GOING ONLY 115 MPH IN ORDER TO CROSS THE TELESCOPIC FIELD IN SLIG TLY
UNDER 4 SECONDS AND AN AIRCRAFT AT LOWER ALTITUDE WOULD OF NECESSITY
BE GOING PROPORTIONATELY SLOWER. AN AIRCRAFT OPERATING IN THE NORMAL
SPEED RANGES OF JET AIRCRAFTHWOULD BE FLYING WELL ABOVE THE OPERATING
ALTITUDES OF ANY KNOWN AIRCRAFT IN ORDER TO HAVE BEEN PHOTOGRAPHED
AS THIS OCCURRENCE. REF PART II YOUR MSG: IT IS BELIEED LOGICAL TO
CONSIDER THESPOSSIBLITY OF A SUBMARINE LAUNCHED BALLISTIC MISSLE.

PAGE FOUR RJEXFQT155C

END OF COMMENTS TO BASIC MESSAGE. LT COLONEL JAMES O PAYNE,

DCS/FOREIGN TECHNOLOGY, WILL HANDCARRY THE 35 MM MOTION PICTURE FILM

SHOWING THIS OCCURRENCE WITH PHOTOGRAPHS OF INDIVIDUAL FRAMES TO

HQ AFSC ON TUESDAY 19 SEP AND FTD WEDNESDAY 20 SEP. IT IS REQUESTED

THAT APPROPRIATE PROJECTOR BE AVAILABLE FOR REVIEW AND EXPLANATION

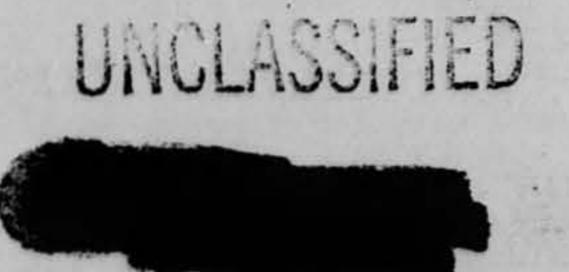
OF THE FILM. THE COMMANDER AFMTC GENERAL DAVIS REVIEWED THE MOTION

PICTURE FILM AND PHOTOGRAPHS AND APPROVED FOR RELEASE THE BASIC

TOP SECRET MESSAGE \$1-39 FROM THIS CENTER. SCP-1

BT

11/2359Z SEP GJEXFQT



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DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5990.10

QUESTION 5: RISING 28 DEGREES TO THE LEFT OF VERTICAL. QUEETION 6: THE REFERENCED GEOGRAPHICAL COORDINATES IN CUBA BASED UPON INFORMATION CON TRAINED IOG 3, : (1) MSG FM COMNAVBASE GTMO DTG 041916Z 1961 INDICATING POSSIBLE "MYSTERY BASE" IN AREA NEAR COORDINATES 20-25N 75-33W. (2) FBI MEMO DTD 20 JUL 1961 INDICATING A LAUNCH PAD IN VICINITY OF SAN RAFAEL. CUBA. (3) UFO RPT FM COM-NAVBASE GTMO DTG 242139Z 1961 DISCUSSING UFO SEEN AT 231005Z WHICH APPEARED TO COME FROM THE GENERAL DIRECTION OF THE SUSPECT AREA AND DISAPPEARED TO THE NORTH WITH CHARACTERISTICS VERY SIMILAR TO A MEDIUM RANGE MISSLE. QUESTIONY: IMMEDIATELY. OPTICAL TRACKERS REPORTED INCIDENT IMMDIATELY GEN MGR RCA PAFB PERSONALLY OB-DURING TRACKING. MR SERVED THE TELEVISION MONITOR DURING THE OCCURRENCE. MR REPORTED THE OCCURRENCE TO COL PAYNE DCS/FOREIGN TECHNOLOGY FIRST THING NEXT MORNING. FUREIGN TECHNOLOGY PERSONNEL INTERVIEWED OPTICAL TRACKERS FOLLOWING DAY OF OCCURRENCE AND BEFORE FILM WAS DEVELOPED. AQUESTIONS: NEGATIVE REPORTS FROM SHIPS AT SEA. QUESTIONS: HARD FACTS ARE (A) ANALYSIS OF THE FILM AND A PHOTOGRAPH

OF EACH OF THE 100 FRAMES OF THE FILM CONSISTENTLY SHOW A POSITIVE LIGHT SOURCE. (B) THE OCCURRENCE OF THIS OBJECT CROSYING THE LINE OF SIGHT OF OPTICAL TRACKERS CONFIRMS THAT SOME OBJECT WAS ACTUALLY OBSERVED. (C) A SIMILAR OCCURRENCE WAS OBSERVED WITHIN 5 MINUTES AFTER LAUNCH OF THE NASA ATLAS-AGENA RANGER TEST AT 1204Z 23 AUG 1961. THIS OCCURRENCE WAS ODSERVED BY 2 QUALIFIED MAJORS, 1

NAVY DEPARTMENT

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EXT. NO.

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AF IN: 195 (18 Sep 61) F/jhs

FM COMNAVXASE GTMO

TO COMDR AFMTC PATRICK AFB

INFO CNO

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AND ASSIFIED

AFR 205-1, Par 2-17 &

2 Jon 68

ATTENTION MTW

A. YOUR 180300Z

1. NO PREVIOUS ORISUBSEQUENT UFO SIGHTING AND NOTHING REPORTED LOCALLY DURING TIME PERIOD MENTIONED REF (A).N

AF DIST: CIN-14 OOP-2 OOP-CP-1 SAFS-3

(20)

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SPACE BELOW RESERVED FOR COMMUNICATION CENT 15 Nov 61 15 492 RED ACCOUNTING TYPE MSG (Check) PRECEDENCE ROUTINE SINGLE ACTION MULTI BOOK TD-E1d 19-9-390 TS, S, S AF ROUTINE INFO SPECIAL INSTRUCTIONS FROM: FID WPAFB O RJESN C TO: AFMIC PATRICK AFB FLA AFSC ANDREWS AFB ND QUEZFF INFO: Classification Gancelled BHZZJUS COFS USAF WASH DC RJWZBK ALIF CON GENERAL DAVIS, DCAS INGLEWOOD CALIF INfo: AFSC FOR GENERAL WATSON, COFS FOR AFCIN GENERAL BREITWEISER, DCAS FOR GENERAL ESTES. REFERENCE AFMIC TOP SECRET MSG CITE 61-39 DID 15 SEP 61 AND YOUR SECRET CITE MIW 16-9-40 DTD 17 SEP 61 AND FTD SECRET MSG TD-Eld 19-9-390. THE FOLLOWING ANALYSIS OF THE UFO SIGHTING WHICH OCCURRED AT THE AFMIC IS BASED ON TRAJECTORY DATA OBTAINED BY THE AZUSA SYSTEM. THIS ANALYSIS IS IN THREE PARTS. PART ONE. THE IMAGE WHICH APPEARED IN THE BU TRACKING TELESCOPE DURING THE LAUNCHING OF A TITAN MISSILE ON 8 SEP 61 IS CONCLUDED TO BE THAT OF THE STAR GAMMA PISCIUM, RIGHT ASCENSION 23H 15M 08.5S DECLINATION +3°04'08" AND MAGNITUDE 3.8. THE AZIMUTH AND ELEVATION MONTH OF THE MISSILE FROM THE LOCATION OF 1961 NOV SIGNATURE SYMBOL Page TYPED (or stamped) NAME AND TITLE EDWARD H. WYNN Major Robert NR. OF PAGE NR. PHONE 69216 Colonel, USAF Dep/Science & Components SECURITY CLASSIFICATION

SECURITY CLASSIFICATION JOINT MESSAGEFORM SPACE BELOW RESERVED FOR COMMUNICATION CENTER CLASSIFICATION PRECEDENCE TYPE MSG (Check) BYMBOL OF REFERENCE ACTION OF DESCRIPTION BOOK MULTI BINGLE INFO 61-39 FROM: CHER FID AFFIC WPAFE OFFICE 74273 Classification dangelled (or changed to VIVI)
Auth. Dreeter DCAS INCLESCOD CALLY FROM TO-ELE 19-9-390 AFMIC FOR GENERAL DAVIS, AFSC FOR GENERAL WATSON, COFS FOR AFCIN GENERAL BEETIWEISER, DCAS FOR CEMERAL ESTES. REFERENCE AFRIC TOP SECRET MEG CITE 61-39 DED 15 SEPT61 AND YOUR SECRET CITE MIN 16-9-40 DED 17 SEPT 61. THE FOLLOWING INITIAL FID ANALYSIS IS FORMANDED IN THREE PARTS. PART I: BASED ON PACE THAT "BOGIE" DINGE WAS SEEN ONLY BY THE CAPETA AT PATRICK AND AND NOT BY SENSORS AT OTHER TRACKING SITES, IT IS CONCLUDED THAT "BOGIE" WAS NOT, REPEAT NOT, IN CLOSE PROXIDITY TO TITAL. PART II. CALCULATIONS BASED ON MISSILE POSTTION AT BURN OUT, THE DATE TIME THE WHEN "BOCKE" APPEARED, INDICATES THAT THE IMAGE IS VERY MONTH PROBABLY THAT OF A STAR NAMELY CAMPIA PISCTIM SIGNATURE SYMBOL TD-R1d TYPED NAME AND TITLE (Signature, if required) TYPED (or stamped) NAME AND TITLE N. Karriskom/alb PHONE 74236 PAGE MR. OF PAGES 4 EDWARD H. WYNE CURITY CLASSIFICATION COLONEL, USAF DOWNGRADED AT 12 YEAR

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DEFUTT FOR SCIENCE & COMPONENTS

FROM

FTD WPAFB O



PART TWO. THE CONCLUSION THAT THE OBJECT OF THIS SIGHTING WAS A STAR IS FURTHER SUBSTANTIATED BY THE FOLLOWING FACTS. THE OBJECT WAS IN THE FIELD OF THE TRACKING UNIT APPROXIMATELY FOUR SECONDS MOVING GENERALLY VERTICAL. THE DIMENSION OF THE FIELD IN THIS DIRECTION WAS APPROXIMATELY 1/4° AND THE ANGULAR VELOCITY OF THE TELESCOPE IN THE VERTICAL PLANE AT THE TIME OF THE SIGHTING WAS APPROXIMATELY .09° PER SECOND. A RELATIVELY STATIONARY OBJECT WOULD THEN REQUIRE APPROXIMATELY A SECONDS TO PASS THROUGH THE FIELD. THE ANGULAR VELOCITY OF THE TRACKING TELESCOPE IN THE HORIZONTAL PLANE WAS NEGLIGIBLE.

PART THREE. THE PROBABLE REASON WHY THIS PHENOMENA WAS NOT
PREVIOUSLY EXPERIENCED BY AFMTC PERSONNEL IS DUE TO THE IMPROBABILITY OF IT OCCURRING. FOR THIS PHENOMENA TO TAKE PLACE THE
TRACKING UNIT MUST HAVE A LOW ANGULAR RATE DURING THE PERIOD THE
1/16 SQUARE DEGREE FIELD OF VIEW IS COINDIDENT WITH A STAR. THE
IMPROBABILITY OF THESE EVENTS OCCURRING SIMULTANEOUSLY IS SUBSTANTIATED BY THE FACTS THAT THE DENSITY OF STARS WHICH CAN BE VIEWED
WITH THE BU TRACKING TELESCOPE IS WELL BELOW ONE PER 1/16 SQUARE
DEGREE AND THE DIFFERENCE BETWEEN THE LOCATION OF THE LAUNCHING
PAD AND THE TRACKING STATION PLUS MISSILE VELOCITIES USUALLY
REQUIRES TRACKING EQUIPMENT TO OPERATE AT HIGH ANGULAR RATES.

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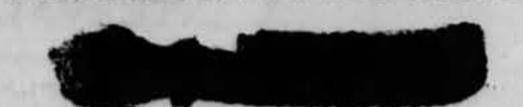
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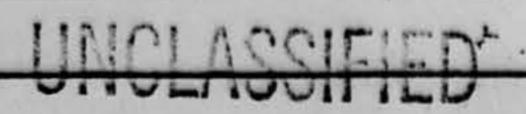


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JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION



FROM

CHOR FID AFSC WPAFE OHIO

ANALYSIS ARE ASD FILMS MADE USING THE SAME TYPE OF EQUIPMENT WHICH SHOW STAR TRACES SIMILAR TO THAT OBSERVED IN THE TITAM FILM. PART III: ADDITIONAL DATA FROM AFMIC REQUIRED TO CONCLUSIVELY COMPLEM EVALUATION IS AS FOLLOWS:

- A. COMPLETE MISSILE TRAJECTORY DATA AS CONTAINED IN "DATA RES.
 REDUCTION REPORTS" PREPARED BY RCA/AMR.
- B. ACCURATE GEOGRAPHIC COORDINATE LOCATIONS OF BU CAMERA AND MISSILE LAURCH PAD.
- C. INFORMATION ON SENSORS THAT WERE TRACKING OR MONITORING TITAL AT THE BURN OUT PHASE TO INCLUDE THEIR TYPE, EXACT LOCATION, AND FIELD OF VIEW.

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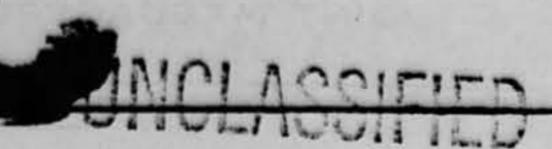
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SECURITY CLASSIFICATION



FID WPAFB O

FROM:

COORDINATE LOCATIONS OF BU CAMERA AND MISSILE LAUNCH PAD. C. IN-FORMATION ON SENSORS THAT WERE TRACKING OR MONITORING TITAN AT THE BURN OUT PHASE TO INCLUDE THEIR TYPE, EXACT LOCATION, AND FIELD OF VIEW. SCP-3

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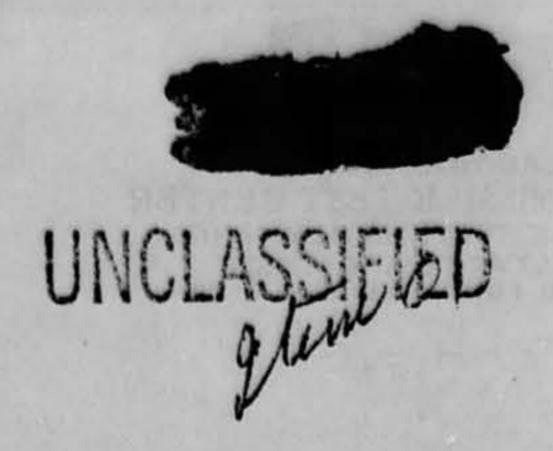
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MTER

ATT: T. J. Obst

Geographic Coordinate Locations of the BU Camera, the Missile Launch Pad (T-3212) and the Location of Sensors.

Name	Latitude (DMS)	Longitude (DMS)	Elevation(MSL)
*BU Camera Stand 19 Azusa MK II BC 3.C BC 4.1 Radar 1p.16 Radar 3.16	28 13 40.75	80 36 19.69	30.
	28 30 25.7025	80 33 17.3401	31.90
	28 24 48.1794	80 35 33.9621	33.53
	26 32 42.8749	77 04 41.0368	23.0
	25 17 30.8168	76 19 50.0792	46.1
	28 13 36.870	80 35 59.091	27.10
	26 36 56.8345	78 20 54.0213	45.5

*Latitude and longitude accurate to ± 15 Ft. and elevation to ± 5 Ft.

