## PROJECT 10073 RECORD CARD

| 1. DATE | 2. LOCATION | 12. CONCLUSIONS |
|---|---|---|
| 23 March 1963 | Babylon, New York | ☐ Was Balloon<br>☐ Probably Balloon<br>☐ Possibly Balloon<br>☐ Was Aircraft<br>☐ Probably Aircraft<br>☐ Possibly Aircraft<br>☐ Was Astronomical<br>☐ Probably Astronomical<br>☐ Possibly Astronomical<br>☒ Other ECHO I<br>☐ Insufficient Data for Evaluation<br>☐ Unknown |
| 3. DATE-TIME GROUP<br>Local 0437<br>GMT 23/0937Z | 4. TYPE OF OBSERVATION<br>☒ Ground-Visual TX ☐ Ground-Radar<br>☐ Air-Visual ☐ Air-Intercept Radar |
| 5. PHOTOS<br>☐ Yes<br>☒ No | 6. SOURCE<br>Civilian |
| 7. LENGTH OF OBSERVATION<br>5 minutes | 8. NUMBER OF OBJECTS<br>one | 9. COURSE<br>S, SE |

**10. BRIEF SUMMARY OF SIGHTING**

Light of 2d magnitude standing still, flashing, and changing brighteess observation by 14 year old during night with color of Sirius. Moved to S, SW and then S again. About same size of Sirius. Speed of ECHO. Looked like Sirius moving. Also observed through TX (make not determined). Initial obvation of object in Beta Virgo. Obj faded once to 3d magnitude.

**11. COMMENTS**

ECHO I over New York City at 0438 Eastern Standard Time to the south of the city at 05 dgr elevation moving SE. This is a rather low elevation. Beta Virgo at 250 dgr azimuth 15 dgr elevation. Sighting attributed to satellite ECHO I.

ATIC FORM 329 (REV 26 SEP 52)

DAYTON, OHIO

AT 07.08 PM MARC.21 SOUTH OF CITY, 05 DEGREES ABOVE HORIZON MOVING NE
AT 09.15 PM MARC.21 SOUTH OF CITY, 75 DEGREES ABOVE HORIZON MOVING NE
AT 03.25 AM MARC.22 SOUTH OF CITY, 73 DEGREES ABOVE HORIZON MOVING SE
AT 05.32 AM MARC.22 SOUTH OF CITY, 08 DEGREES ABOVE HORIZON MOVING SE
AT 08.17 PM MARC.22 SOUTH OF CITY, 48 DEGREES ABOVE HORIZON MOVING NE
AT 04.33 AM MARC.23 SOUTH OF CITY, 24 DEGREES ABOVE HORIZON MOVING SE
AT 07.18 PM MARC.23 SOUTH OF CITY, 26 DEGREES ABOVE HORIZON MOVING NE
AT 09.24 PM MARC.23 NORTH OF CITY, 81 DEGREES ABOVE HORIZON MOVING NE
AT 08.26 PM MARC.24 SOUTH OF CITY, 76 DEGREES ABOVE HORIZON MOVING NE
AT 10.30 PM MARC.24 NORTH OF CITY, 57 DEGREES ABOVE HORIZON MOVING NE
AT 04.43 AM MARC.25 SOUTH OF CITY, 07 DEGREES ABOVE HORIZON MOVING SE

1 DENVER, COLO. MST

AT 07.56 PM MARC.18 SOUTH OF CITY, 23 DEGREES ABOVE HORIZON MOVING NE
AT 04.12 AM MARC.19 SOUTH OF CITY, 50 DEGREES ABOVE HORIZON MOVING SE
AT 06.57 PM MARC.19 SOUTH OF CITY, 07 DEGREES ABOVE HORIZON MOVING NE
AT 03.14 AM MARC.20 SOUTH OF CITY, 77 DEGREES ABOVE HORIZON MOVING SE
AT 05.21 AM MARC.20 SOUTH OF CITY, 10 DEGREES ABOVE HORIZON MOVING SE
AT 08.06 PM MARC.20 SOUTH OF CITY, 45 DEGREES ABOVE HORIZON MOVING NE
AT 04.22 AM MARC.21 SOUTH OF CITY, 27 DEGREES ABOVE HORIZON MOVING SE
AT 07.07 PM MARC.21 SOUTH OF CITY, 23 DEGREES ABOVE HORIZON MOVING NE
AT 09.13 PM MARC.21 NORTH OF CITY, 83 DEGREES ABOVE HORIZON MOVING NE
AT 03.23 AM MARC.22 SOUTH OF CITY, 50 DEGREES ABOVE HORIZON MOVING SE
AT 08.16 PM MARC.22 SOUTH OF CITY, 72 DEGREES ABOVE HORIZON MOVING NE
AT 04.32 AM MARC.23 SOUTH OF CITY, 09 DEGREES ABOVE HORIZON MOVING SE
AT 07.17 PM MARC.23 SOUTH OF CITY, 45 DEGREES ABOVE HORIZON MOVING NE
AT 09.22 PM MARC.23 NORTH OF CITY, 67 DEGREES ABOVE HORIZON MOVING NE
AT 03.33 AM MARC.24 SOUTH OF CITY, 26 DEGREES ABOVE HORIZON MOVING SE
AT 08.24 PM MARC.24 NORTH OF CITY, 83 DEGREES ABOVE HORIZON MOVING NE

1 EVANSVILLE, IND. CST

AT 06.55 PM MARC.18 SOUTH OF CITY, 06 DEGREES ABOVE HORIZON MOVING NE
AT 03.13 AM MARC.19 NORTH OF CITY, 87 DEGREES ABOVE HORIZON MOVING SE
AT 05.20 AM MARC.19 SOUTH OF CITY, 15 DEGREES ABOVE HORIZON MOVING SE
AT 08.05 PM MARC.19 SOUTH OF CITY, 45 DEGREES ABOVE HORIZON MOVING NE
AT 04.20 AM MARC.20 SOUTH OF CITY, 35 DEGREES ABOVE HORIZON MOVING SE
AT 07.06 PM MARC.20 SOUTH OF CITY, 22 DEGREES ABOVE HORIZON MOVING NE
AT 03.22 AM MARC.21 SOUTH OF CITY, 63 DEGREES ABOVE HORIZON MOVING SE
AT 08.14 PM MARC.21 SOUTH OF CITY, 74 DEGREES ABOVE HORIZON MOVING NE
AT 04.31 AM MARC.22 SOUTH OF CITY, 15 DEGREES ABOVE HORIZON MOVING SE
AT 07.16 PM MARC.22 SOUTH OF CITY, 45 DEGREES ABOVE HORIZON MOVING NE
AT 09.21 PM MARC.22 NORTH OF CITY, 62 DEGREES ABOVE HORIZON MOVING NE
AT 03.31 AM MARC.23 SOUTH OF CITY, 35 DEGREES ABOVE HORIZON MOVING SE
AT 06.17 PM MARC.23 SOUTH OF CITY, 23 DEGREES ABOVE HORIZON MOVING NE
AT 08.23 PM MARC.23 NORTH OF CITY, 79 DEGREES ABOVE HORIZON MOVING NE
AT 04.42 AM MARC.24 SOUTH OF CITY, 01 DEGREES ABOVE HORIZON MOVING SE
AT 07.25 PM MARC.24 SOUTH OF CITY, 75 DEGREES ABOVE HORIZON MOVING NE

23 March 1963

U.S. AIR FORCE TECHNICAL INFORMATION

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will be used for research purposes. Your name will not be used in connection with any statements, conclusions, or publications without your permission. We request this personal information so that if it is deemed necessary, we may contact you for further details.

1. When did you see the object?

23 Day | MARCH Month | 1963 Year

2. Time of day: 4 Hour | 37 Minutes

(Circle One) (A.M.) or P.M.

3. Time Zone:

(Circle One) (a. Eastern)
b. Central
c. Mountain
d. Pacific
e. Other _____

(Circle One) a. Daylight Saving
(b. Standard)

4. Where were you when you saw the object?

[redacted] Nearest Postal Address | BABYLON City or Town | NEW YORK State or Country

5. How long was object in sight? (Total Duration) ~ Hours | ~ Minutes | ~ Seconds

(a. Certain)
b. Fairly certain
c. Not very sure
d. Just a guess

5.1 How was time in sight determined? by watch

5.2 Was object in sight continuously? Yes X No ____

6. What was the condition of the sky?

| DAY | NIGHT |
|---|---|
| a. Bright | (a. Bright) |
| b. Cloudy | b. Cloudy |

7. IF you saw the object during DAYLIGHT, where was the SUN located as you looked at the object?

(Circle One): a. In front of you
b. In back of you
c. To your right
d. To your left
e. Overhead
f. Don't remember

FORM FTD OCT 62 164 This form supersedes FTD 154, jul 51, which is obsolete

8. IF you saw the object at NIGHT, what did you notice concerning the STARS and MOON?

8.1 STARS *(Circle One)*:

a. None
b. A few
c. Many
d. Don't remember

8.2 MOON *(Circle One)*:

a. Bright moonlight
b. Dull moonlight
c. No moonlight – pitch dark
d. Don't remember

9. What were the weather conditions at the time you saw the object?

CLOUDS *(Circle One)*:

a. Clear sky
b. Hazy
c. Scattered clouds
d. Thick or heavy clouds

WEATHER *(Circle One)*:

a. Dry
b. Fog, mist, or light rain
c. Moderate or heavy rain
d. Snow
e. Don't remember

10. The object appeared: *(Circle One)*:

a. Solid
b. Transparent
c. Vapor
d. As a light
e. Don't remember

11. If it appeared as a light, was it brighter than the brightest stars? *(Circle One)*.

a. Brighter
b. Dimmer
c. About the same
d. Don't know

11.1 Compare brightness to some common object:

about 2nd degree magnitude

12. The edges of the object were:

*(Circle One)*:
a. Fuzzy or blurred
b. Like a bright star
c. Sharply outlined
d. Don't remember
e. Other _____

13. Did the object:

*(Circle One for each question)*

| | | | |
|---|---|---|---|
| a. Appear to stand still at any time? | Yes | No | Don't know |
| b. Suddenly speed up and rush away at any time? | Yes | No | Don't know |
| c. Break up into parts or explode? | Yes | No | Don't know |
| d. Give off smoke? | Yes | No | Don't know |
| e. Change brightness? | Yes | No | Don't know |
| f. Change shape? | Yes | No | Don't know |
| g. Flash or flicker? | Yes | No | Don't know |
| h. Disappear and reappear? | Yes | No | Don't know |

14. Did the object disappear while you were watching it? If so, how?

15. Did the object move behind something at any time, particularly a cloud?

(Circle One): Yes (No) Don't Know. IF you answered YES, then tell what it moved behind: _____

16. Did the object move in front of something at any time, particularly a cloud?

(Circle One): Yes (No) Don't Know. IF you answered YES, then tell what in front of: _____

17. Tell in a few words the following things about the object:

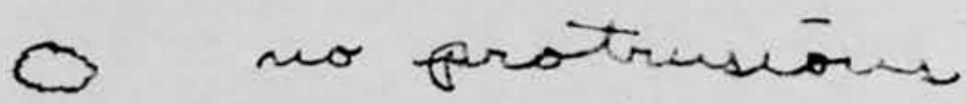
a. Sound _____

b. Color about that of Venus

18. We wish to know the angular size. Hold a match stick at arm's length in line with a known object and note how much of the object is covered by the head of the match. If you had performed this experiment at the time of the sighting, how much of the object would have been covered by the match head?

about the same size as Venus

19. Draw a picture that will show the shape of the object or objects. Label and include in your sketch any details of the object that you saw such as wings, protrusions, etc., and especially exhaust trails or vapor trails. Place an arrow beside the drawing to show the direction the object was moving.




object moved 1. SOUTH 2. SOUTHWEST
3. SOUTH

20. Do you think you can estimate the speed of the object?

(Circle One) (Yes) No

IF you answered YES, then what speed would you estimate? about the speed of ECOIT

21. Do you think you can estimate how far away from you the object was?

(Circle One) Yes (No)

IF you answered YES, then how far away would you say it was? _____

22. Where were you located when you saw the object? *(Circle One):*

a. Inside a building
b. In a car
(c. Outdoors)
d. In an airplane (type)
e. At sea
f. Other _____

23. Were you *(Circle One)*

a. In the business section of a city?
b. In the residential section of a city?
(c. In open countryside?)
d. Near an airfield?
e. Flying over a city?
f. Flying over open country?
g. Other _____

24. IF you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

24.1 What direction were you moving? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

24.2 How fast were you moving? _____ miles per hour.

24.3 Did you stop at any time while you were looking at the object?

*(Circle One)* Yes No

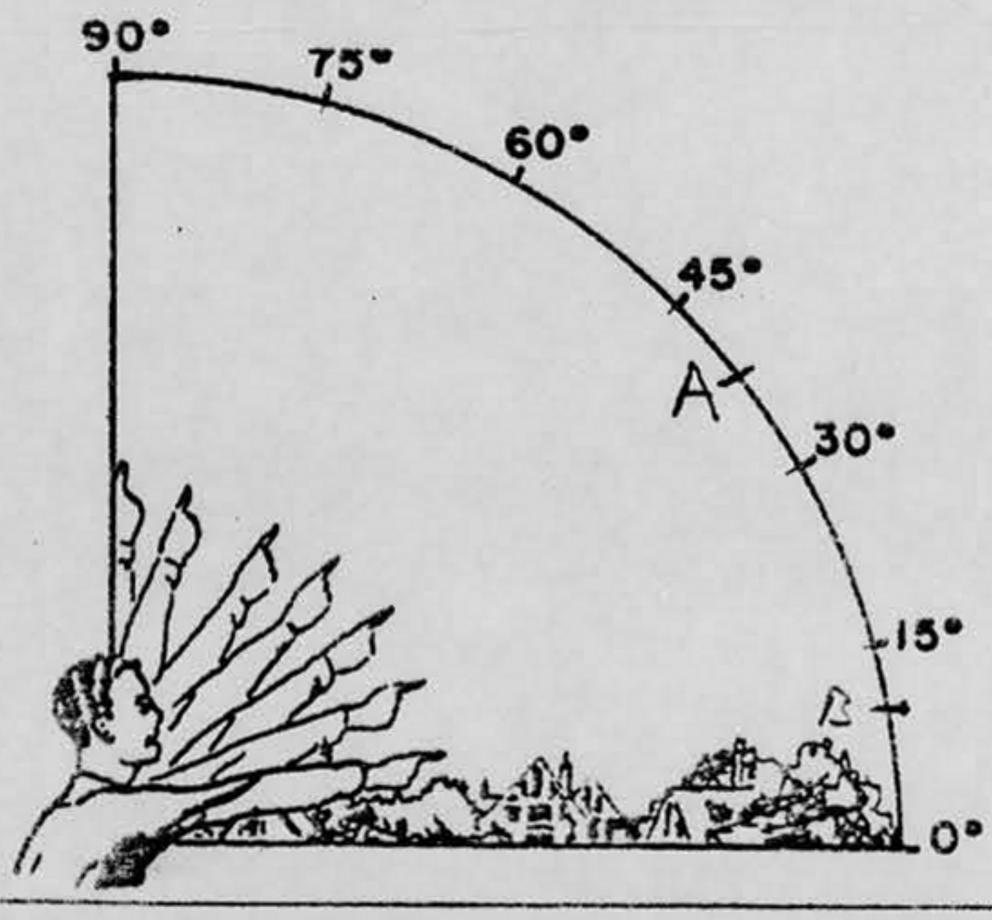
25. Did you observe the object through any of the following?

| | | | | | |
|---|---|---|---|---|---|
| a. Eyeglasses | Yes | No | e. Binoculars | Yes | No |
| b. Sun glasses | Yes | No | f. Telescope | (Yes) | No |
| c. Windshield | Yes | No | g. Theodolite | Yes | No |
| d. Window glass | Yes | No | h. Other _____ | | |

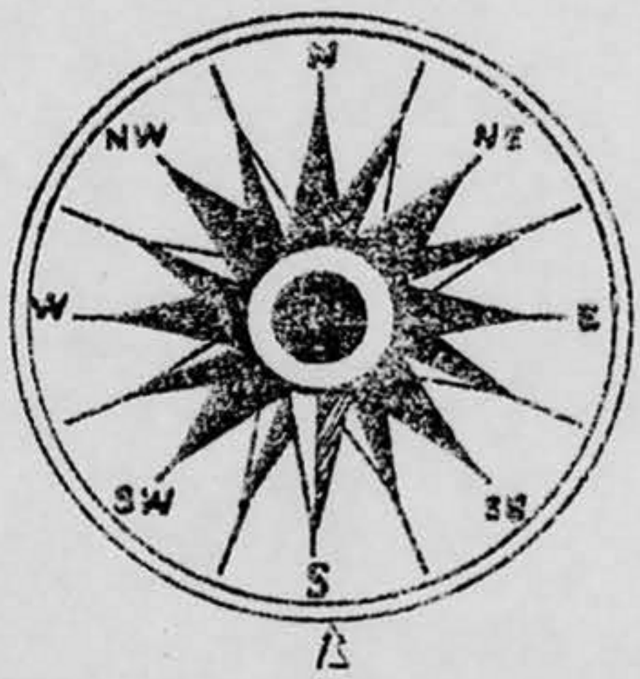
26. In order that you can give as clear a picture as possible of what you saw, describe in your own words a common object or objects which, when placed up in the sky, would give the same appearance as the object which you saw.

looked like Sirius moving

27. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when you *first* saw it. Place a "B" on the same curved line to show how high the object was above the horizon (skyline) when you *last* saw it. Place an "A" on the compass when you *first* saw it. Place a "B" on the compass where you *last* saw the object.




A




B

28. Draw a picture that will show the motion that the object or objects made. Place an "A" at the beginning of the path, a "B" at the end of the path, and show any changes in direction during the course.

A ——— B

29. IF there was MORE THAN ONE object, then how many were there? _____
Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

30. Have you ever seen this, or a similar object before. If [illegible] a date or dates and location

31. Was anyone else with you at the time you saw the object? (Circle One) (Yes) No

31.1 IF you answered YES, did they see the object too? (Circle One) (Yes) No

31.2 Please list their names and addresses:

[redacted]
Babylon, New York

[redacted]
Babylon, New York

32. Please give the following information about yourself:

NAME [redacted] (Last Name) [redacted] (First Name) [redacted] (Middle Name)

ADDRESS [redacted] (Street) Babylon (City) [redacted] (Zone) New York (State)

TELEPHONE NUMBER [redacted] AGE 14 SEX MALE

Indicate any additional information about yourself, including any special experience, which might be pertinent.

Amature Astronomer

33. When and to whom did you report that you had seen the object?

23 (Day) MAR 23 (Month) 1963 (Year)

Congressman
James R. Grover

34. Date you completed this questionnaire: 2 (Day) April (Month) 1963 (Year)

35. Information which you feel pertinent and which is not adequately covered in the specific points of the questionnaire or a narrative explanation of your sighting.

At first the object was stable, next to the Delta star in Virgo. It then started its movement.

~~Viewed~~ Viewed in Binocular Telescope.

1.7 x power

Night Binocular Viewer

15 & 7 times Dia of naked eye

(Viewing Power, 6 times of eye)

Object faded out as was to about 3rd magnitudes, then came back up.

AT 03.40 AM MARC.25 SOUTH OF CITY, 15 DEGREES ABOVE HORIZON MOVING SE

1 NEWARK, N.J. EST

AT 08.01 PM MARC.18 SOUTH OF CITY, 24 DEGREES ABOVE HORIZON MOVING NE
AT 04.17 AM MARC.19 SOUTH OF CITY, 42 DEGREES ABOVE HORIZON MOVING SE
AT 07.02 PM MARC.19 SOUTH OF CITY, 08 DEGREES ABOVE HORIZON MOVING NE
AT 03.19 AM MARC.20 SOUTH OF CITY, 68 DEGREES ABOVE HORIZON MOVING SE
AT 05.27 AM MARC.20 SOUTH OF CITY, 06 DEGREES ABOVE HORIZON MOVING SE
AT 08.11 PM MARC.20 SOUTH OF CITY, 45 DEGREES ABOVE HORIZON MOVING NE
AT 04.27 AM MARC.21 SOUTH OF CITY, 21 DEGREES ABOVE HORIZON MOVING SE
AT 07.12 PM MARC.21 SOUTH OF CITY, 24 DEGREES ABOVE HORIZON MOVING NE
AT 09.18 PM MARC.21 NORTH OF CITY, 86 DEGREES ABOVE HORIZON MOVING NE
AT 03.28 AM MARC.22 SOUTH OF CITY, 42 DEGREES ABOVE HORIZON MOVING SE
AT 08.21 PM MARC.22 SOUTH OF CITY, 71 DEGREES ABOVE HORIZON MOVING NE
AT 04.38 AM MARC.23 SOUTH OF CITY, 06 DEGREES ABOVE HORIZON MOVING SE
AT 07.22 PM MARC.23 SOUTH OF CITY, 46 DEGREES ABOVE HORIZON MOVING NE
AT 09.27 PM MARC.23 NORTH OF CITY, 70 DEGREES ABOVE HORIZON MOVING NE
AT 03.38 AM MARC.24 SOUTH OF CITY, 21 DEGREES ABOVE HORIZON MOVING SE
AT 08.29 PM MARC.24 NORTH OF CITY, 85 DEGREES ABOVE HORIZON MOVING NE

1 NEW YORK, N.Y. EST

AT 08.02 PM MARC.18 SOUTH OF CITY, 24 DEGREES ABOVE HORIZON MOVING NE
AT 04.17 AM MARC.19 SOUTH OF CITY, 42 DEGREES ABOVE HORIZON MOVING SE
AT 07.02 PM MARC.19 SOUTH OF CITY, 08 DEGREES ABOVE HORIZON MOVING NE
AT 03.19 AM MARC.20 SOUTH OF CITY, 67 DEGREES ABOVE HORIZON MOVING SE
AT 05.27 AM MARC.20 SOUTH OF CITY, 06 DEGREES ABOVE HORIZON MOVING SE
AT 08.11 PM MARC.20 SOUTH OF CITY, 46 DEGREES ABOVE HORIZON MOVING NE
AT 04.27 AM MARC.21 SOUTH OF CITY, 21 DEGREES ABOVE HORIZON MOVING SE
AT 07.13 PM MARC.21 SOUTH OF CITY, 25 DEGREES ABOVE HORIZON MOVING NE
AT 09.18 PM MARC.21 NORTH OF CITY, 85 DEGREES ABOVE HORIZON MOVING NE
AT 03.28 AM MARC.22 SOUTH OF CITY, 41 DEGREES ABOVE HORIZON MOVING SE
AT 08.21 PM MARC.22 SOUTH OF CITY, 71 DEGREES ABOVE HORIZON MOVING NE
AT 04.38 AM MARC.23 SOUTH OF CITY, 05 DEGREES ABOVE HORIZON MOVING SE
AT 07.22 PM MARC.23 SOUTH OF CITY, 46 DEGREES ABOVE HORIZON MOVING NE
AT 09.27 PM MARC.23 NORTH OF CITY, 70 DEGREES ABOVE HORIZON MOVING NE
AT 03.38 AM MARC.24 SOUTH OF CITY, 21 DEGREES ABOVE HORIZON MOVING SE
AT 06.24 PM MARC.24 SOUTH OF CITY, 25 DEGREES ABOVE HORIZON MOVING NE
AT 08.29 PM MARC.24 NORTH OF CITY, 85 DEGREES ABOVE HORIZON MOVING NE

1 OMAHA, NEB. CST

AT 09.00 PM MARC.18 SOUTH OF CITY, 38 DEGREES ABOVE HORIZON MOVING NE
AT 03.10 AM MARC.19 NORTH OF CITY, 86 DEGREES ABOVE HORIZON MOVING SE
AT 05.16 AM MARC.19 SOUTH OF CITY, 25 DEGREES ABOVE HORIZON MOVING SE
AT 08.01 PM MARC.19 SOUTH OF CITY, 19 DEGREES ABOVE HORIZON MOVING NE
AT 04.17 AM MARC.20 SOUTH OF CITY, 46 DEGREES ABOVE HORIZON MOVING SE
AT 07.01 PM MARC.20 SOUTH OF CITY, 04 DEGREES ABOVE HORIZON MOVING NE
AT 09.09 PM MARC.20 SOUTH OF CITY, 62 DEGREES ABOVE HORIZON MOVING NE