PROJECT 10073 RECORD CARD

8 July 1963	2. LOCATION 13.58N 81.38W (G		12. CONCLUSIONS Was Balloon Probably Balloon Possibly Balloon
3. DATE-TIME GROUP Local	MX Ground-Visual Air Visual 6. SOURCE Civilian British	□ Ground-Radar □ Air-Intercept Radar	Was Aircraft Probably Aircraft Possibly Aircraft Was Astronomical Probably Astronomical Possibly Astronomical Possibly Astronomical
7. LENGTH OF OBSERVATION 7 minutes	8. NUMBER OF OBJECTS	9. COURSE SE	Other_Satellite ECHO I Insufficient Data for Evaluation Unknown
Satellite observed for $7\frac{1}{2}$ to SE. Erratic course. Di Vega at altitude of 56 de	sappeared near Star	Equator at 0154Z 227.40. 40 min be heading SE at	rt. ECHO crossed the heading NE at Long of ues later ECHO would 30 deg N and about 90 deg lace ECHO in position sighting.

ATIC FORM 329 (REV 26 BEP 52)

OPTIONAL FORM NO. 10

UNITED STATES GOVERNMENT

Memorandum

TO

: J. S. Lacey, OPI NASA, Greenbelt

Code 5511:CW

DATE: 9 October 1963

: Nautical Information Branch FROM

U.S. Naval Oceanographic Office

SUBJECT: Nautical information; forwarding of

(1) Marine Data Report from British Ship LEITH HILL dtd 8 July 1963 Encl:

1. Enclosure (1) forwarded for your information.

Forwarded as a matter pertaining

to your organizat on her attention

to this matter will be appreciated.

G. BUCKWALTER

Ed Mason

Public Information Officer

Goddard Space Flight Center

PRNC-NHO-3800/1 (Rev. 12-59) (Back)

NAME OF SHIP

MARINE DATA REPORT COPY

NATIONALITY

COPY

DATE OF REPORT

Please type or print clearly

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United States Navy Hydrographic Office

Washington 25, D. C.

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Mariners of any nationality may receive Pilot Charts, Notices to
Mariners, and Daily Memorandums, published by the U.S. Navy Hydrographic Office, free of cost in return for marine observations.
Observers' blanks may be obtained at any of the Branch Hydrographic Offices established in the following cities:

Atlantic and Gulf Ports:

Boston; New York; Philadelphia; Baltimore; Norfolk;

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Shipmasters and officers are also invited to consult charts and nautical publications, and compare navigational instruments at any of the above named Branch Offices, which are open daily except. And Saturdays and Sundays.

Copies of this and other blanks will be furnished upon request to the Hydrographic Office or its Branch Offices.

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THE HYDROGRAPHER.

DIDAS TRUENT DAMONERS BY RADIO

JULY 3, 1963

SATELLITE 1960 TOTA 1, ECHO I

These predictions are based on orbital elements revised on July 1, 1963 T. - July 2.0, times are in days, U.T.

Argument of perigee - 16:472 + 3:867 (t-T.)

Right ascension of ascending node - 110:669 - 3:30358 (t-T.)

Inclination = 47.27622

Eccentricity = 0.049970 + 3.50 x 10.5 (t-T.)

Semi-major axis = 7.840594 megameters

Mean anomaly (Rev.) = 0.36578 + 12.503795 (t-T.) + 9.233 x 10.5 (t-T.)

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