PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION		12. CONCLUSIONS
20 June 1963	15.56N 81.05W (G	ulf of Mexico)	□ Was Balloon □ Probably Balloon
3. DATE-TIME GROUP Local	4. TYPE OF OBSERVATIO XXXX Ground-Visual Air-Visual	N Ground-Radar Air-Intercept Radar	Possibly Balloon Was Aircraft Probably Aircraft Possibly Aircraft
5. PHOTOS D Yes XXXX No	6. SOURCE civilian		D Probably Astronomical D Possibly Astronomical D Possibly Astronomical
7. LENGTH OF OBSERVATION 6 minutes	one one	9. COURSE NE	Other Satellite ECHO I Insufficient Date for Evaluation Unknown
10. BRIEF SUMMARY OF SIGHTING Object as bright as Polar elevation of 16 deg obser Flight at East disappeari observation at 015 deg az	ved at 340 deg azimuth ng after 6 min	equator at 126 this places to	June ECHO crossed deg W Longitude. Satellite in position by the witness. as ECHO I.

ATIC FORM 329 (REV 26 SEP 52)

2

COTIONAL FORM NO. 10

UNITED STATES GOVERNMENT

Memorandum

J. S. Lacey, OPI : NASA, Greenbelt

Code 5511:JCW

DATE: 15 July 1963

FROM : Nautical Information Branch

U.S. Naval Oceanographic Office

SUBJECT: Satellite ECHO

Encl: (1) Marine Data Report from Liberian Ship PENSACOLA dtd 20 Jun 63

(2) Observation from M. V. FERNGATE dtd 1 July 63

1. Enclosures (1) and (2) forwarded for your information.

*Forwarded as a matter pertaining to your organization. Your attention to this matter will be appreciated. G. BUCKWALTER

Ed Mason

Public Information Officer Goddard Space Flight Conter Case includes one (1) photocogied page of narrative.

		Encl. (1)		/52
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July 1, 1963.

Nor. M. V. FERNGATE

Observed Satellite 20°21'56" North

166°22'00" East

"N.W. from ship, moving north".

Appeared as bright star.

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RATE OF CHANGE 0.21099 DEG. PER PERIOD ANDMALISTIC PENICO 115-187 MIN. RATE OF CHANGE -O.COD48 MIN. PER PERIOD ECCENTRICITT 0.04747

RADIUS OF PERIGEE 4641.1 MILES RACIUS OF APCOLE 5103.7 MILES RATE OF CHANGE -0.32 MILES PER DAY

ASCENDING NOCE (R.A.) 189.69 DEG. RAIL OF CHANGE -3.29820 CFG. PER DAY LATITUEF OF PERIGEE-44.27 CEG. READ-IN EXPECTED MAG. +1