

DECLASSIFIED

~~SECRET~~

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
INCOMING MESSAGE

AF IN : 20080 (12 Nov 63) HO/gf

PAGE 1 of 6

ACTION: JCS DIA/CIIC-2, DIA-25, XPD-4

INFO : J3-2, NMCC-2, RRA-1, JRG-2, FILE-2 (11), OSD-15, CMC-8
ODC-1, XOP-1, XOPX-4, NIN-1, XDC-1 (72)

SMB E 59

KUEAHQ
DE RUWGALB 3D 12/0133Z
P 110130Z
FM CINCNORAD
TO RUEAHQ/JCS
RUEKC/ANMPCC
RUEKVDA/NECPA
RUEKMJ/NEACPP
RUEAHQ/DIA
RUEPIA/CIA
RUEPDA/DA
RUECW/CNO
RUEAHQ/CSAF
RUEAHQ/DIRNSA
RUCSBR/CINCSAC
RULPC/USCINCSO
RUCKHC/CINCLANT
RUFCL/USCINCEUR
RUHPA/CINCPAC
RUKDAG/CINCAL
RUDANR/CINCUSNAVEUR
RUHPB/CINCPACFLT
RUCQHKB/CINCSGRIKE
RUCQNO/CDR AMR PATRICK AFB FLA
RUWDKE/CDR PMR POINT MUGU CALIF
RUWHFKGXQST RATAD VANDENBERG AFB CALIF
RUEPVC/CG AOMC REDSTONE ARSENAL ALA
RCCSLW/CDR NNR NORTH BAY CAN
RUCDSQ/FTD WPAFB OHIO
RUEABF/ESD HANSCOM FLD MSAA
REUAFF/AFSC ANDREWS AFB MD
RUECYP/NAVSPASUR DAHLGREN VA
RCP PFZ/CANAIRHED OTTAWA ONTARIO CAN

CASE FILE COPY

JCS MONITOR

RL(3) 07-1
SIFIN

Declassification IAW
EO 13526
by the Air Force Declassification Office
Date: 11-2-11 Reviewer# 137

DECLASSIFIED

(Reproduction of this message in whole or in part is prohibited without approval of THE OFFICE OF PRIMARY INTEREST.)

~~SECRET~~

COPY NO.

DECLASSIFIED

SECRET

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
INCOMING MESSAGE

AF IN : 20080 (12 Nov 63)

2 of 6

RUCQNO/AFMTC PATRICK AFB AFL
RUWBKN/CDR 15AF MARCH AFB CALIF
RUWKDC/SSD INGLEWOOD CALIF
RUWHBK/DEP CDR AEROSPACE SYSTEM LOS ANGELES CALIF
RUDLAU/USAFLT KLONDON
RUWHBH/25NR MCCHORD AFB WASH
RUEASN/26NR HANCOCK FLDY NY
RUWHSBP/28NR HAMILTON AFB CALIF
RUWGKF/29NR RICHARDS GEBEUR AFB MO
RUCDAH/30NR TRUAX FLD WISC
RUCQGM/32NR GUNTER AFB ALA
RUKDAG/ANR ELMENDORF AFB ALAS
RCCSLW/NNR NORTH BAY ONT CAN
RUWGALE/DDR USAF ADC ENT AFB COLO
ZEN/CG USARADCOM ENT AFB COLO
ZEN/COMNAVFORCONAD ENT AFB COLO
ZEN/CDR 9TH AEROSPACE DEF DIV ENT AFB COLO
ZEN/CDR 1ST AERO SP SQ ENT AFB COLO
RUEPFG/DIPAFSSOP FT GEORGE MEADE MD
PT

Declassification IAW
EO 13526
by the Air Force Declassification Office
Date: 11-2-11 Reviewer# 137

~~SECRET~~ FROM NITA-S X-659

CIA, ATTN: OSI/BMSD. DA PASS TO ACSI/DA. CSAF FOR
AFNINC AND AFNIEBB, . CNO PASS TO ONI. 1STRATAD FOR DI.
CG AOMC, ATTN: AMCPM-ZER-R. ESD FOR 496L SPO. AMR PASS
TO MTGSS. CANAIRHD FOR DAIR. AEROSPACE SYSTEMS FOR MAJ
GEN ROBERT GREER, SAFSP. STRIKE FOR CIIC. AFSSOP FOR
CPR-O. NORAD SPACE INTELLIGENCE BULLETIN 35-63.
THE FOLLOWING INTELLIGENCE SUMMARY ON SPACE HAS BEEN
PROVIDED CINCMORAD AND IS SENT TO YOU AS A MATTER OF
INFORMATION. THIS REPORT IS DESIGNED PRIMARILY TO GIVE
QUICK LOOK ANALYSIS OF CURRENT INTELLIGENCE. COMMENTS
ARE PRELIMINARY IN NATAURE AND MAY BE SUBJECT TO REVISION

(Reproduction of this message in whole or in part is prohibited except by THE OFFICE OF PRIMARY INTEREST.)

SECRET

COPY NO.

DECLASSIFIED

~~SECRET~~

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
INCOMING MESSAGE

AF IN : 20080 (12 Nov 63)

3 of 6

AS MORE DATA ARE RECEIVED. ON 11 NOVEMBER AT APPROXIMATELY
0625Z THE SOVIET UNION LAUNCHED AN EARTH SATELLITE
VEHICLE FROM THE TYURATAM MISSILE TEST RANGE. THIS
LAUNCH WAS DETECTED BY THE SHEMYA RADAR FACILITY AT 0642Z
AND LATER RADAR DATA HAS BEEN OBTAINED FROM OTHER SPADATS
FACILITIES. THIS LAUNCH HAS BEEN DESIGNATED SPUTNIK 46,
1963-44. THREE OBJECTS HAVE BEEN DETECTED IN THE SPUTNIK 46.
ORBIT, AND ORBITAL PARAMETERS HAVE BEEN OBTAINED ON TWO
OF THESE. THE SPUTNIK 46 ORBIT IS A NOMINAL 65 DEGREE
INCLINATION ORBIT, AS HAVE BEEN ALL PREVIOUS LAUNCHES
FROM THE TYURATAM MISSILE TEST RANGE EXCEPT FOR SPUTNIK
45. OF THE THREE OBJECTS IN THE SPUTNIK 46 ORBIT, THE
TRAILING PIECE HAS BEEN TENTATIVELY IDENTIFIED AS THE
PAYLOAD, AND HAS BEEN DESIGNATED SPADATS OBJECT NUMBER
687, 1963-44A, SPADATS DERIVED ORBITAL PARAMETER FOR
OBJECT 687, UPDATED AS OF REVOLUTION 7, ARE:

INCLINATION: 65.1 DEGREES
NODAL PERIOD: 88.59 MINUTES
ECCENTRICITY: .00189

Declassification IAW
EO 13526
by the Air Force Declassification Office
Date: 11-2-11 Reviewer# 137

APOGEE: 217.6 KILOMETERS (117.5 N.M.)
PERIGEE: 192.7 KILOMETERS (104.1 N. M.)

INITIAL RADAR SIGNATURE ANALYSIS INDICATES THAT THE

(Reproduction of this message in whole or in part is prohibited without approval of THE OFFICE OF PRIMARY INTEREST.)

DECLASSIFIED

~~SECRET~~

COPY NO.

DECLASSIFIED

~~SECRET~~

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
INCOMING MESSAGE

AF IN : 20080 (12 Nov 63)

4 of 6

ROUGH SHAPE OF OBJECT 687 APPEARS TO BE A CONE-CYLINDER, LENGTH APPROXIMATELY 5 FEET AND DIAMETER APPROXIMATELY 3 FEET. IT APPEARS TO BE TUMBLING WITH A TUMBLE PERIOD OF APPROXIMATELY 5 SECONDS (12RPM). THE LEADING OBJECT IN THIS ORBIT HAS BEEN TENTATIVELY IDENTIFIED AS THE INJECTION STAGE ROCKET BODY, AND HAS BEEN DESIGNATED SPADATS OBJECT NUMBER 688, 63-44B. SPADATS DERIVED ORBITAL PARAMETERS FOR OBJECT 688, CALCULATED AS OF REVOLUTION 7, ARE:

INCLINATION: 65.1 DEGREES

NODAL PERIOD: 88.36 MINUTES

ECCENTRICITY: .00171

APOGEE: 204.75 KILOMETERS (110.6 NAUTICAL MILES)

PERIGEE: 182.3 KILOMETERS (98.4 NAUTICAL MILES)

Declassification IAW
EO 13526
by the Air Force Declassification Office
Date: 11-2-11 Reviewer# 137

OBJECT 688 IS LEADING OBJECT 687 BY 6.5 MINUTES AS OF REVOLUTION 27. RADAR SIGNATURE ANALYSIS INDICATES THAT OBJECT 688 APPEARS TO BE BASICALLY CYLINDRICAL, PERHAPS WITH A SLIGHT TAPER. LENGTH APPEARS TO BE 10-16 FEET, WITH DIAMETER 4.5 -6.5 FEET. OBJECT 687 IS TUMBLING

WITH TUMBLE PERIOD OF 17-18 SECONDS (8KEMTAEME RPM). THE REMAINING OBJECT IN THE SPUTNIK 45 ORBIT IS LEADING OBJECT 687 AND LAGGING OBJECT 688. AS OF REVOLUTION 6 IT

(Reproduction of this message in whole or in part is prohibited without the approval of THE OFFICE OF PRIMARY INTEREST.)

DECLASSIFIED

~~SECRET~~

COPY NO.

DECLASSIFIED

~~SECRET~~

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
INCOMING MESSAGE

Declassification IAW

EO 13526

by the Air Force Declassification Office

Date: 11-2-11 Reviewer# 137

AF IN : 20080 (12 Nov 63)

5 of 6

WAS LEADING OBJECT 687 BY APPROXIMATELY ONE MINUTE.

DUE TO THE SMALL SIZE OF THIS OBJECT,

THERE HAS NOT BEEN SUFFICIENT RADAR DATA OBTAINED AS YET

FOR THE CALCULATION OF ORBITAL PARAMETERS. THEREFORE

THIS PIECE HAS NOT RECEIVED A SPADATS OBJECT NUMBER AS

YET. RADAR SIGNATURE ANALYSIS INDICATES THAT THIS PIECE

APPEARS TO BE A SMALL FRAGMENT, WITH A DIAMETER OF

ROUGHLY SIX TO TWELVE INCHES. THERE ARE VERY TENTATIVE

INDICATIONS THAT IT IS SOME SORT OF PLATE. IT IS TUMBLING

RAPIDLY WITH TUMBLE PERIOD OF ROUGHLY 0.7 SECONDS (86 RPM).

IT IS EMPHASIZED THAT THESE RADAR SIGNATURE ANALYSES REPRESENT

INITIAL FIRST LOOK REPORTS ONLY, AND MUST BE TREATED

AS UNCERTAIN UNTIL FURTHER RADAR SIGNATURE DATA IS GATHERED AND

ANALYZED. ELEMENT WAS INTERCEPTED FROM THIS LAUNCH ON THE INITIAL

(ZERO) REVOLUTION ONLY AS FOLLOWS:

SIGNAL	UP	DOWN	REPORTING AREA
76MC 48 CHANNEL	0626:56Z	0627:51Z	MID EAST
71NC 48 CHANNEL	0628:30Z	0628:40Z	MID EAST
61MC 24 CHANNEL	0641:20Z	0649:40Z	ALASKA
66MC 24 CHANNEL	0641:20Z	0649:40Z	ALASKA
2800MC 24 CH/BEACON	0641:20Z	0649:40Z	ALASKA
61MC NR CH NOT	0651:14Z	0658:10Z	MID-PACIFIC

(Reproduction of this message in whole or in part is prohibited except by the Office of Primary Interest.)

DECLASSIFIED

COPY NO.

~~SECRET~~

DECLASSIFIED

SECRET

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
INCOMING MESSAGE

AF IN : 20080 (12 Nov 63)
REPORTED

6 of 6

66MC NR CH NOT REP 0652:00Z 0657:10Z MID-PACIFIC
NO CONFIRMED TELEMETRY HAS BEEN INTERCEPTED FROM SPUTNIK
46 SINCE INITIAL REVOLUTION. TASS HAS MADE NO ANNOUNCEMENT
CONCERNING THIS LAUNCH. THE SOVIETS NORMALLY ANNOUNCE A SUCCESSFUL
OPERATION. DUE TO LACK OF TELEMETRY SINCE
ZERO REVOLUTION, HIGH TUMBLE RATE OF PAYLOAD, AND ABSENCE OF
SOVIET ANNOUNCEMENTS, IT IS TENTATIVELY SUGGESTED THAT THE PAY-
LOAD HAS FAILED TO PERFORM SUCCESSFULLY. FURTHER
INFORMATION WILL BE FURNISHED AS AVAILABLE. IN VIEW OF THE LACK OF
PUBLIC ANNOUNCEMENT OF THIS LAUNCH, IT IS ANTICIPATED THAT
SPADATS BULLETINS ON THIS LAUNCH WILL CONTINUE TO BE ISSUED AT
SECRET LEVEL AND WILL BE DECLASSIFIED. GP 1.

BT

Declassification IAW
EO 13526
by the Air Force Declassification Office
Date: 11-2-11 Reviewer# 137

EXCLUDED FROM AUTOMATIC REGRADING;
DOD DIR. 5200.10 DOES NOT APPLY

NOTE : Advance copy del to JCS.

(Reproduction of this message in whole or in part is prohibited without the approval of THE OFFICE OF PRIMARY INTEREST.)

DECLASSIFIED

COPY NO.

SECRET