

CLASSIFIED

NNNN

ZCZC 01 088K0A916 LOG LN NO. 025

OO



DE

04775 0250003

50 USC 3605

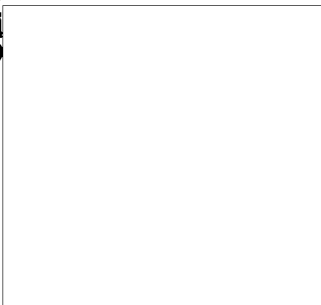
ZNY MMORN

CLASSIFIED

ZKZK OO SHR DE

O 245358Z JAN 78 ZYH

FM CIA/O&I



*IK
Hammit
Report
NON-SMAC
WIDR*

This work sheet contains information affecting the National De
Sections 793, 794 and 798, the transmission or the revealat

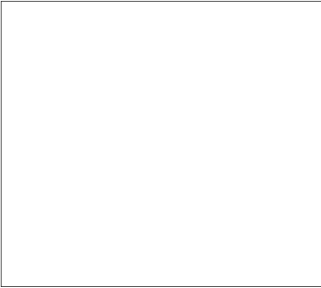
THIS FORM :

CLASSIFIED WORK SHEET

(b)(3)

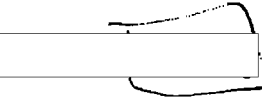
(b)(3)

CLASSIFIED



ZEM

~~SECRET~~



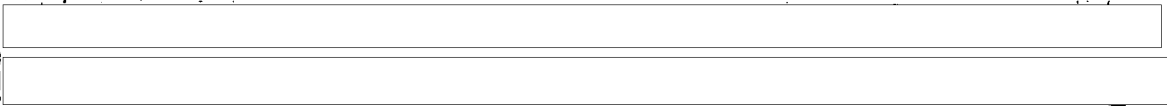
SECTION 1 OF 2. CITE CIA/OWI 159213.

WEAPONS INTELLIGENCE DAILY REVIEW NO 6017/78

24 JANUARY 1978.

CLASSIFIED

1. RORSAT ENTERS IN CANADA : AT APPROXIMATELY 1153Z ON 24 JANUARY COSMOS 954, THE SOVIET RADAR OCEAN RECONNAISSANCE SATELLITE (RORSAT) REENTERED THE EARTH'S ATMOSPHERE OVER WESTERN CANADA.



CLASSIFIED

ADDITIONALLY, VISUAL SIGHTINGS WERE REPORTED BY RESIDENTS OF THE PINE POINT COMMUNITY JUST SOUTH OF GREAT SLAVE LAKE WHICH, ALTHOUGH SKETCHY, CORRELATE WITH THE REENTRY OF COSMOS 954. ALTHOUGH WE ARE UNABLE AT THIS TIME TO DETERMINE IF ANY FRAGMENTS SURVIVED REENTRY, OUR BEST ESTIMATE OF THE IMPACT REGION, SHOULD THIS HAVE OCCURRED, IS NORTHEAST OF GREAT SLAVE LAKE.

CLASSIFIED

OF PRIMARY CONCERN IS THE EXTENT TO WHICH THE NUCLEAR REACTOR BROKE UP DURING REENTRY AND WHAT FRAGMENTS, IF ANY, IMPACTED ON EARTH. WE BELIEVE THE REACTOR IS OF THE ROMASHKA TYPE. THIS SYSTEM USES 49 KG OF U-235.

CLASSIFIED

WE BELIEVE THERE IS A HIGH PROBABILITY THAT THE REACTOR BROKE UP DURING REENTRY. HOWEVER, THE GRAPHITE FUEL DISKS COULD HAVE SURVIVED. THE HIGH ALTITUDE DISPERSION OF THE FUEL WOULD POSE A MINIMUM HEALTH HAZARD; FINE RADIOACTIVE PARTICLES REACHING THE GROUND WOULD ALSO POSE A MINIMAL HEALTH HAZARD. MULTIPLE

This work sheet contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793, 794 and 798, the transmission or the revelation of which in any manner to an unauthorized person is prohibited by law.

(b)(3)

(b)(3)

(b)(1)
(b)(3)
(b)(1)
(b)(3)
(b)(3)
(b)(1)
(b)(3)

THIS FORM FOR

CLASSIFIED WORK SHEET

U. S. GOVERNMENT PRINTING OFFICE: 1971 O 237-749

FRAGMENTS REACHING THE EARTH'S SURFACE INCREASE THE HAZARD POTENTIAL TO A SEVERE LEVEL. SHOULD THE ROMASHKA FUEL DISKS IMPACT INTACT, THE DEBRIS WOULD BE LETHAL WITHIN A TEN FOOT RADIUS.

CLASSIFIED



(b)(3)

2. MOLNIYA 3/9 LAUNCHED : THE SOVIETS LAUNCHED MOLNIYA 3/9 (SPUT 1228) A COMMUNICATIONS RELAY SATELLITE. FROM PLESETSK AT ABOUT 0651Z ON 24 JANUARY. THE PAYLOAD WAS PLACED INTO AN INITIAL 63-DEGREE PARKING ORBIT BY AN SL-6 SPACE BOOSTER. EARLY ON REVOLUTION ZERO, THE FOURTH STAGE OF THE SL-6 IGNITED TO INJECT THE SATELLITE INTO A HIGHLY ELLIPTICAL, NEARLY SEMISYNCHRONOUS ORBIT.

CLASSIFIED

THE SOVIETS NORMALLY MAINTAIN A NETWORK OF 4 VIABLE MOLNIYA 38. SEPARATED BY ABOUT 90 DEGREES IN RIGHT ASCENSION. MOLNIYA 3/9 WAS PLACED INTO THE SAME APPROXIMATE ORBITAL PLANE AS MOLNIYA 3/3 AND PROBABLY IS INTENDED TO REPLACE THAT SATELLITE. THE FOLLOWING DEPICTS THE CURRENT NETWORK OF ACTIVE MOLNIYA 38:

CLASSIFIED

RIGHT ASCENSION

| SATELLITE | LAUNCH DATE | (AS OF 24 JAN 78) |
|-----------|-------------|-------------------|
| MOL 3/3 | 14 NOV 75 | 179 DEGREES |
| MOL 3/5 | 12 MAY 76 | 353 DEGREES |
| MOL 3/6 | 8 DEC 76 | 86 DEGREES |
| MOL 3/7 | 28 APR 77 | 259 DEGREES |
| MOL 3/8 | 28 OCT 77 | 354 DEGREES |
| MOL 3/9 | 24 JAN 78 | 178 DEGREES |

CLASSIFIED

CLASSIFIED



This work sheet contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793, 794 and 798, the transmission or the revelation of which in any manner to an unauthorized person is prohibited by law.

CLASSIFIED WORK SHEET

THIS FORM FOR INTERNAL AGENCY USE ONLY

U. S. GOVERNMENT PRINTING OFFICE: 1977-337-749

CLASSIFIED

MOLNIYA 3/8 WAS PLACED INTO THE SAME APPROXIMATE ORBITAL PLANE AS MOLNIYA 3/5 AND PROBABLY WAS INTENDED TO REPLACE THAT SATELLITE.

CLASSIFIED

TASS ANNOUNCED THE LAUNCH OF MOLNIYA 3/9 AND PROVIDED THE FOLLOWING ORBITAL PARAMETERS: APOGEE 21941 NM; PERIGEE 357 NM; #477E

of the Espionage Laws, Title 18, U.S.C., and person is prohibited by law.

U. S. GOVERNMENT PRINTING OFFICE: 1977-237-741