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FM CINCNORAD

TO RUEAHQ/JCS

RUEKCR/JACE AJCC FT RITCHIE MD

RUEAHQ/DIA WASH DC

RUEQDA/DA

RUECW/CNO

RUEAHQ/CSAF

RUEAHQ/DIRNSA WASH DC

RUCSBR/CINCSAC

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ZEN/COMNAVFORCONAD ENT AFB COLO

ZEN/CDR USAF ADC ENT AFB COLO

ZEN/CDR 1ST AERO SP SQ ENT AFB COLO

ZEN/NOCC SPADATS ENT AFB COLO

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SECTION ONE TWO FROM NITA-S X-229.  
JCS FOR J-2. DA PASS TO ACSI/DA. CNO PASS TO ONI.  
CSAF FOR AFCIN-P1 AND AFCIN 2B2. 1STRATAD FOR DI.  
CG AONC, ATTN: ORDXM-RMR-SR. ESD FOR 496L SPO AMR  
PASS TO MTGSS. CANAIRHD FOR DAI. REFERENCE SICR  
D-JCS-00861. NORAD SPACE INTELLIGENCE BULLETIN  
NUMBER 19-62.

THE LONG ANTICIPATED MAJOR SOVIET SPACE OPERATION  
REACHED FRUITION AT 0830Z ON 11 AUGUST WITH THE LAUNCH OF  
VOSTOK III. THIS VEHICLE WAS LAUNCHED FROM THE TYURATAM

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RANGEHEAD AFTER EXTENSIVE PREPARATIONS WERE COMPLETED.  
ORBITAL DATA AS DETERMINED FROM SPADATS SENSOR DERIVED  
INFORMATION IS AS FOLLOWS:

PERIGEE: 112 S.M.  
APOGEE: 147 S.M.  
INCLINATION: 64.9 DEGREES  
PERIOD: 88.3 MINUTES  
ECCENTRICITY: 0.00351

ACCORDING TO TASS ANNOUNCEMENTS, THE COSMONAUT IS  
32 YEAR OLD MAJOR ADRIAN NIKOLAYEV WHO WAS SENT INTO SPACE  
TO STUDY MAN'S WORKING ABILITY UNDER CONDITIONS OF WEIGHT-  
LESSNESS AS WELL AS TO CONDUCT OBSERVATIONS WHICH COULD  
LEAD TOWARD THE IMPROVEMENT OF SPACESHIP SYSTEMS, MEANS OF  
COMMUNICATIONS, CONTROL, AND LANDING. SUCH STATEMENTS BY  
KHRUSHCHEV AS "YOU MAY EXPECT TO REMAIN UP THERE FOR A  
LONG TIME" GAVE EARLY INDICATIONS THAT THE VOSTOK III  
OPERATION WAS STILL FAR FROM COMPLETE. SOON AFTER THE  
LAUNCH,

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RADAR AND OTHER SIGNATURE ANALYSIS DATA HAVE BEEN COLLATED FOR AN ESTIMATE OF THE SIZE AND SHAPE OF THE NEW ESV. ACCORDING TO PRELIMINARY ESTIMATES THE CAPSULE IS A TRUNCATED CONE OR CYLINDER OF APPROXIMATELY 8 FEET AVERAGE DIAMETER AND 20 FEET IN LENGTH.

AT APPROXIMATELY 0802Z 12 AUGUST, THE SOVIETS LAUNCHED A SECOND MANNED EARTH SATELLITE VEHICLE IN AN UNPRECEDENTED OPERATION. VOSTOK IV WAS ALSO LAUNCHED FROM THE TYURATAM RANGEHEAD AS VOSTOK III WAS APPROACHING TYURATAM ON ITS 16TH ORBIT. THE PASSENGER IS LT COLONEL PAVIL POPOVICH. ANOTHER EXAMPLE OF THE EXTREMELY ACCURATE CONTROL AND

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GUIDANCE ENJOYED BY THE SOVIETS WAS DEMONSTRATED DURING THIS LAUNCH. VOSTOK IV ENTERED AN ORBIT THAT SO CLOSELY CORRESPONDS TO THAT OF VOSTOK III THAT THE SPADATS BULLETINS ARE ASSIGNING IDENTICAL PERIOD AND EQUATOR CROSSING TIMES. THERE IS POSSIBLY 0.1 TO 0.4 DEGREES DIFFERENCE IN ORBITAL INCLINATION AND AS MUCH AS 7 S.M. DIFFERENCE IN APOGEE. PERIGEE HEIGHTS ARE LISTED AS 112 S.M. FOR BOTH VEHICLES. VOSTOK IV APPARENTLY HAS THE SLIGHTLY MORE ECCENTRIC ORBIT. THE TANKAGE FOR BOTH VEHICLES IS FALLING BELOW AND FORWARD OF THE CAPSULES AND IS EXPECTED TO DECAY WITHIN THE NEXT TWO DAYS. THE ORBIT OF BOTH VOSTOKS IS SUCH THAT IN THE EVENT OF A RETRO FAILURE, THEY WOULD PROBABLY DECAY OF NATURAL CAUSES WITHIN 5 DAYS. AS OF THE 26TH ORBIT (VOSTOK III) IT IS ESTIMATED THAT BOTH VEHICLES WILL BE DE-ORBITED AND RETURN TO EARTH DURING THE 32ND OR 33RD ORBIT OF VOSTOK III WHICH IS COINCIDENT WITH THE 16TH OR 17TH ORBIT OF VOSTOK IV. A DE-ORBIT ON THE 33RD ORBIT AT APPROXIMATELY 0845Z 13 AUGUST IS CONSIDERED THE MOST LIKELY COURSE OF ACTION. IF THE DE-ORBIT DOES NOT TAKE PLACE ON NUMBERS 32 OR 33, THE

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NEXT LOGICAL CHOICE WILL BE ORBIT 49 (VOSTOK III) AT  
0823Z 14 AUGUST.

AFTER THE LAUNCH OF VOSTOK IV, BOTH VEHICLES WERE IN  
VERY CLOSE PROXIMITY FOR SEVERAL REVOLUTIONS. BOTH COSMO-  
NAUTS REPORTED VISUAL CONTACT AND "EXCELLENT" COMMUNI-  
CATIONS BETWEEN SHIPS. SINCE THE FIRST SEVERAL ORBITS  
HOWEVER, THE SHIPS HAVE GRADUALLY DRIFTED APART AND AS OF  
REVOLUTION NUMBER 28 POSSIBLY AS MUCH AS 280 MILES SEPARATED  
THE TWO. ACCORDING TO STUDIES MADE ON SPADATS DERIVED  
INFORMATION, THERE HAS BEEN NO ENERGY ADDED TO EITHER  
ORBIT SINCE INJECTION, I.E., THERE HAS BEEN NO ATTEMPT TO  
MANEUVER THE VEHICLES FOR A HOOK-UP. AVAILABLE EVIDENCE,  
THEN, INDICATES THAT THE PURPOSE OF THIS OPERATION WAS TO  
TEST THE FEASIBILITY OF LAUNCHING A SECOND VEHICLE INTO  
THE ESTABLISHED ORBIT OF A FIRST, TO PROVE LAUNCH GUIDANCE  
AND CONTROL PROCEDURES, AND TO EXPLORE PHENOMENA EXISTING  
BETWEEN TWO SPACECRAFT TRAVELING IN CLOSE PROXIMITY.

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