DAYS FOR T-9, LYAKH, ALEKSANDROV... VENERLISJIG HURRAH!

COSMOGRAM OCT 21,1983

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ASSUMING PROGRESS-18 MAKES THE LINKUP. WHAT'S NEXT? CAN THE "OLDEST SOYUZ", T-9, STILL SERVE AS A MANNED RETURN VEHICLE? IF SO, THE RELIEF CREW CAN BE LAUNCHED NEXT; IF NOT, AN UNMANNED SOYUZ MUST GO UP, AND THE RELIEF CREW MIGHT TAKE MANY WEEKS TO FOLLOW. BUT THE GUAL OF PERMANENCE REMAINS UNCHANGED.

LAUNCH ABORT: I SUGGEST THE DESIGNATION "SOYUZ T-10A" FOR
THE TITON-STREKALOV EXPLOSION. THE WINDOW WAS 1938 GMT SEP 2G.

AND FEOKTISTOV SAID IN BUDAPEST THAT THE FIRE BROKE OUT AT

L-90 SEC... SO THE TIME OF THE EXPLOSION MAY BE PUT AT 19:36 GMT

(SEPT 27 IN "LOCAL BAIKONUR TIME" BUT ALL SOVIET SPACE EVENTS

ARE REFERENCED IN MOSCOW MCC TIME, GMT +3 OR +4 SUMMER

TIME, APR 1 TO OCT 1, SO I PREFER TO CALL IT THE "SEPT 26 ANOMALY

QUANTITATIVE CONFIRMATION FOR A SUSPICION EARLIER VOICED BY

NICK JOHNSON & OTHERS THAT THE 2-MAN/3-MAN. CHOICE FOR CREW SIZE IS DICTATED BY SALYUT ALTITUDE. I WAS INITIALLY VERY SKEPTICAL BUT THE NUMBERS FIT: AT 91.44 MIN (31-REV REPEAT), APPROX 230 MILES VERSUS 90.48 MIN (47-REV REPEAT), APPROX 195 MILES, THERE IS AN INCREASED PROPELLANT REPUIREMENT OF \$170 LBS ASCENT AND \$70 LBS DE-ORBIT (ASSUME IS OF 300 SEC), TOTAL \$240 LBS. TO MEET THIS, AN

IS ONE CREWMEMBER PLUS SUIT, SEAT, & SANDWICHS, WHAT A CLOSELY

MARGINAL SYSTEM! I AM NOW A BELIEVER IN THE "3/2 RULE".

INITIALLY THE INDIAN CREW , PRIME, WAS MALYSHEV-RUK. - MALHOTRA, ACCORDING TO PHOTOS IN PRAVDA, BUT NOW THE INDIANS HAVE OFFICIALLY DESIGNATED SHARMA AC PRIME "COSMONAUT- RESEARCHER." DETAILS SKETCHY.

OCTOBER 1 ISSUE OF OGONYOK (1983 #40) WAS MAGNIFICENT FULL BACK PAGE SOKOLOV PAINTING OF SALYUT-7 /KOSMOS-1443 WITH SOYUZ T-9 APPROACHING. ACCURACY DUBIOUS, AND I'M STILL BAFFLED BY INTERIOR ARRANGEMENT AND RELATIONSHIP TO MILITARY SALYUTS. I AM HANING 35-MM CLINES MADE OF IT -WHO LIANTS ONE?