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[REDACTED]

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PRIORITY [REDACTED] INFO [REDACTED] CITE [REDACTED]

[REDACTED] MISSION 1027

53082

1. DUE TO PROBLEMS FOUND IN CERTAIN FAIRCHILD TRANSISTORS DURING LOT SAMPLING TESTS BY LMSC, THERE IS A RELUCTANCE TO USE THE DEACTIVATE, REACTIVATE SYSTEM. THESE TRANSISTORS ARE LOCATED THROUGHOUT THE AGENA AND PAYLOAD. FAILURES IN THESE TRANSISTORS HAVE OCCURRED IN TESTS AT TEMPERATURES BELOW 50 DEGREES F. PROLONGED DEACTIVATION COULD CAUSE SOME OF THE AFFECTED COMPONENTS TO SEE TEMPERATURES BELOW 50 DEGREES F. PHYSICAL REMOVAL OF ALL OF THESE TRANSISTORS WOULD BE MORE ~~DETRIMENTAL TO RELIABILITY THAN FLYING "AS IS"~~ WITH SPECIAL TEMPERATURE QUALIFICATION TESTING AND SELECTED REPLACEMENT ACCOMPLISHED PRIOR TO LAUNCH. THIS SPECIAL TESTING AND SELECTED REPLACEMENT HAS BEEN ACCOMPLISHED ON MISSION 1027 AND WILL BE CONTINUED UNTIL THE SUSPECT UNITS CAN BE PURGED FROM THE SYSTEM.

2. THIS CONDITION WILL PROBABLY EXIST IN ALL REMAINING VEHICLES THAT CONTAIN THE D/R CAPABILITY SINCE IT WILL TAKE SEVERAL MONTHS TO PURGE SYSTEM OF THESE TRANSISTORS. AS A GENERAL RULE WE RECOMMEND THAT D/R NOT BE USED UNLESS SUCCESSFUL MISSION COMPLETION IS IN JEOPARDY.

3. PER DIRECTION RECEIVED IN [REDACTED] D/R CAPABILITY WILL BE REMOVED ON THE LONG LIFE AGENAS IN MID 1966.

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END OF MESSAGE

Declassified and Released by the NRO
 In Accordance with E. O. 12958
 on NOV 26 1997

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