

TABLE A-3
MTBF VALUES UNDER AGREE-TEST AND OPERATIONAL CONDITIONS

Equipment Type	MTBF (Hours) for Conditions and Sources Shown			
	Under Operational Conditions		Under AGREE-Test Conditions	
	Source: ARINC Research	Source: NATSF	Source: Manufacturer	Source: NATSF
AN/ASN-42	85 (1,3)	107 (2,4)	78 (1,2,3)	61 (4)
AN/ASQ-19	9 (1,3)	12 (2)	47 (1,2,3)	
AN/ASQ-57	9 (1,3)	13 (2)	66 (1,2,3)	
AN/ASQ-58	13 (1,3)	12 (2)	56 (1,2,3)	
AN/AYK-2		228 (1,2)	454 (1,2)	
AN/AJB-3A		93 (1,2)	175 (1,2)	
AN/APN-141		109 (1,2,4)		115 (1,2,4)
AN/APN-153		181 (1,2,4)		155 (1,2,4)
AN/ARC-94		115 (1,2,4)		154 (1,2,4)
AN/ARN-52		140 (1,2,4)		67 (1,2,4)
AN/USC-2 (Type 2)		178 (1,2,4)		100 (1,2,4)
AN/ARR-60	74 (1,2,3)		164 (1,2,3)	
AN/ARR-61	113 (1,2,3)		198 (1,2,3)	
AN/ARC-34	33 (1,2,3)		41 (1,2,3)	
AN/APX-102	21 (1,2,3)		32 (1,2,3)	
AN/ARC-21	135		108*	
AN/ARC-58	292		79*	
AN/ARA-50		400 (1,2)	1,000 (1,2)	
LN-14		26 (1,2)	151 (1,2)	
CADC		91 (1,2)	126 (1,2)	

*Demonstrated at ambient conditions.

Note: The numbers in parentheses identify the regression runs for which the data were used (see Table 1 in the main text).

TABLE A-4
RELIABILITY DATA USED IN DERIVING THE MTBF RELATIONSHIPS

Equipment Type	AGREE-Test MTBF	Operational MTBF	Number of AEG's*	Average Flight Length	Number of Failures Observed
AN/ASN-42	78	107	530	5.7	510
AN/ASQ-19	47	12	325	1.7	479
AN/ASQ-57	66	13	391	1.9	536
AN/ASQ-58	56	12	447	2.1	262
AN/AYK-2	454	228	77	2.7	4
AN/AJB-3A	175	66	113	1.7	647
	175	121	113	1.6	605
AN/APN-153	155	235	253	5.7	161
	155	167	253	2.1	10
	155	256	253	1.6	91
	155	45	253	1.9	121
AN/ARC-94	154	115	188	5.7	478
	154	235	188	3.1	64
AN/ARN-52	67	301	144	5.7	154
	67	105	144	2.7	144
	67	151	144	3.1	188
AN/USC-2	100	178	349	2.1	19
AN/APN-141	115	111	200	1.7	658
	115	70	200	1.9	60
	115	120	200	1.7	47

*As reported in NATSF-MR No. 2, January through June 1965.