



11/3/66

This unscheduled ATM documents the reply given in response to a telecon request from D. Wiseman. Tabulated and graphed below are probabilities of success for transmitter turn off at the end of periods of time extending beyond one year and for extended operation of the combined power, data and structural/thermal subsystems.

$P_s$  for transmitter turn off using command link and timer (assuming 1, 1 1/2, and 2 yr timers)

$P_s$ 1 year	.9970216
$P_s$ 1 1/2 years	.9955323
$P_s$ 2 years	.9940432

$P_s$  for transmitter turn off using command link only.

$P_s$ 1 year	.93835515
$P_s$ 1 1/2 years	.907350338
$P_s$ 2 years	.87680614

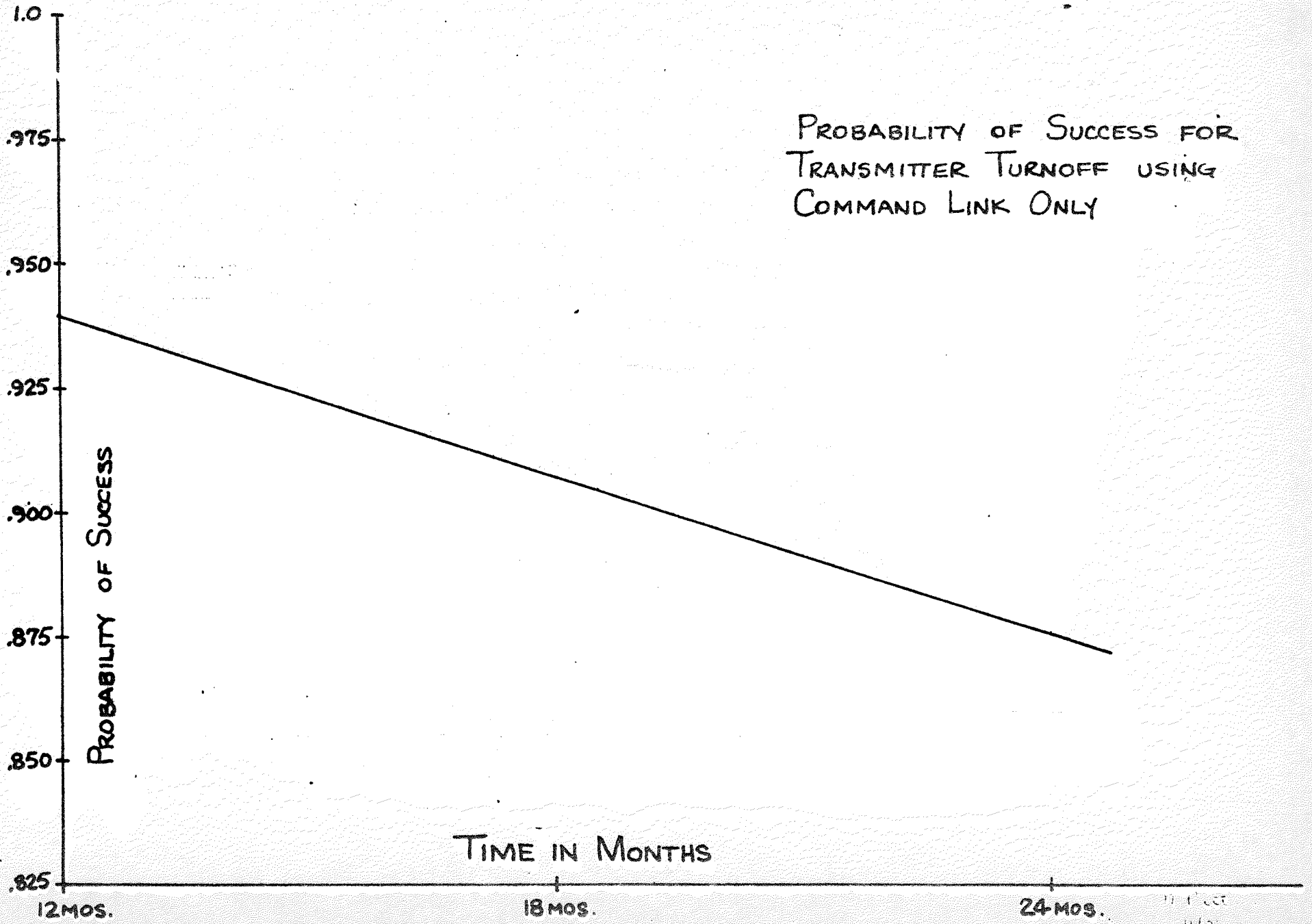
$P_s$  for operation of power, data and structural/thermal subsystems combined for extended periods.

$P_s$ 1 year	.9351
$P_s$ 1 1/2 years	.9034
$P_s$ 2 years	.8719
$P_s$ 2 1/2 years	.8410
$P_s$ 3 years	.8103

Prepared by S. Premer  
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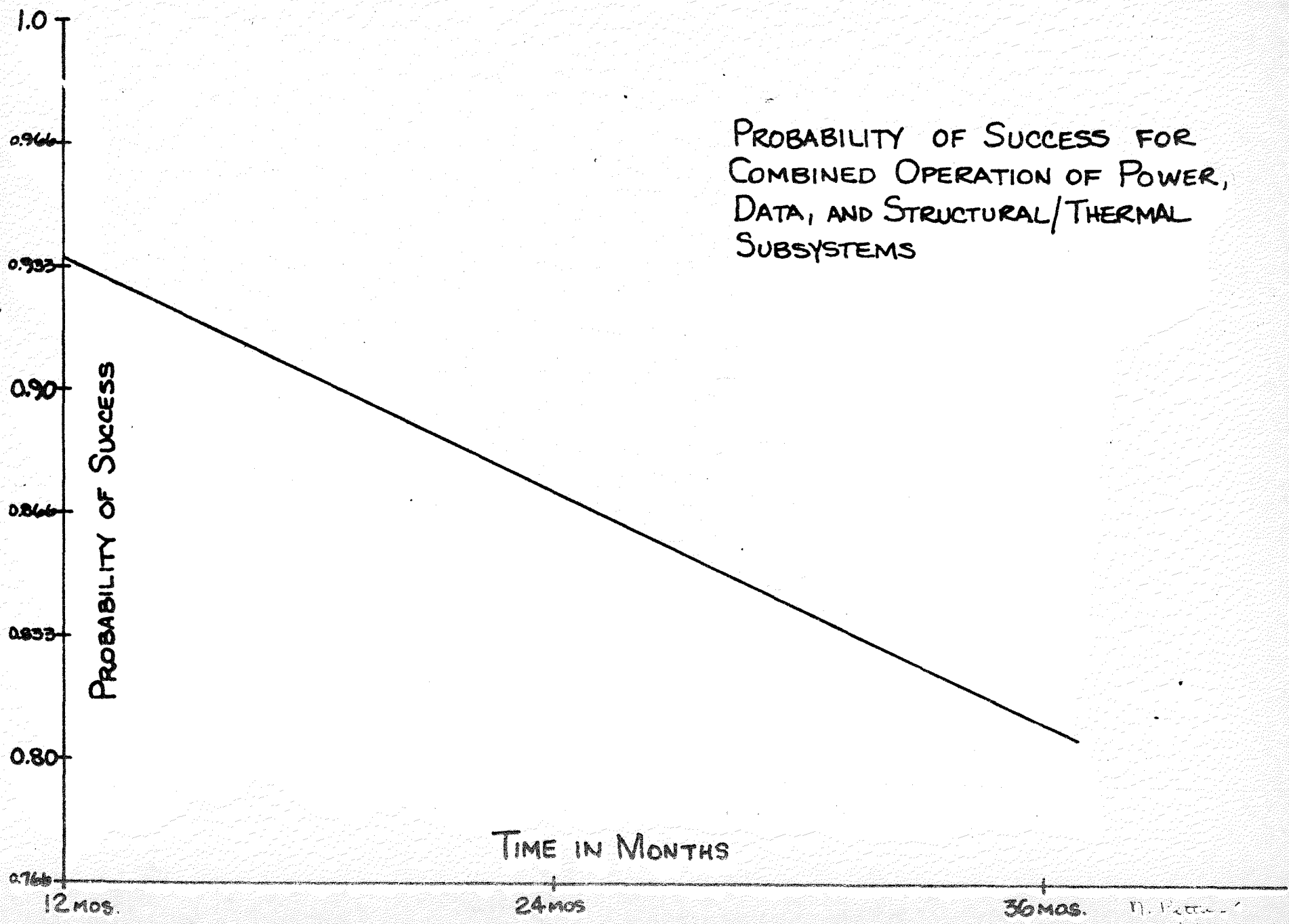
Approved by S. J. Ellison  
S. J. Ellison

PROBABILITY OF SUCCESS FOR  
TRANSMITTER TURNOFF USING  
COMMAND LINK ONLY



11/1/66  
11/2/66

PROBABILITY OF SUCCESS FOR  
COMBINED OPERATION OF POWER,  
DATA, AND STRUCTURAL/THERMAL  
SUBSYSTEMS



M. Peters  
11/4/66