ANALYSIS OF CREW PERFORMANCE

IN THE

APOLLO COMMAND MODULE

PHASE II

VOLUME II - APPENDIX

ER 14396 October 1966

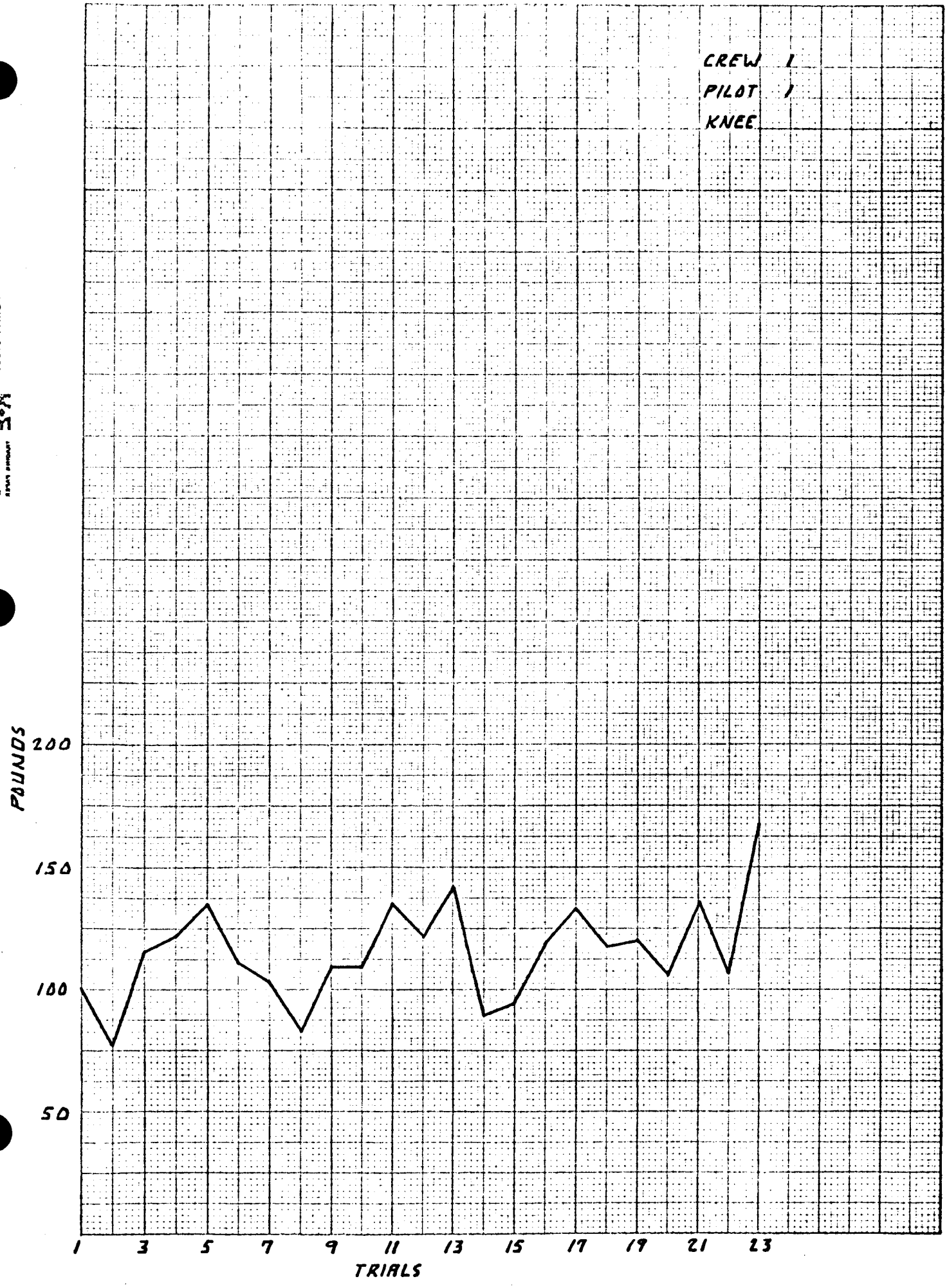
COND	PILOT	TLI		TOI		TEI		[illegible]	
		θ_e Avg.	θ_e SD	θ_e Avg	θ_e SD	θ_e Avg	θ_e SD	ϕ_e Avg	ϕ_e SD
	1	-0.104	0.079	0.008	0.059	0.073	0.040	-0.205	8.71
I	2	-0.112	0.024	0.035	0.026	-0.087	0.027	-5.39	11.[illegible]
	3	0.097	0.061	0.040	0.050	-0.083	0.064	-3.44	13.7[illegible]
	1	-0.022	0.029	0.026	NR	-0.027	0.044	3.71	13.09
II	2	-0.029	0.028	-0.004	0.017	-0.025	0.045	-4.56	14.55
	3	-0.055	0.069	-0.007	0.056	-0.037	0.063	-0.114	11.16
	1	-0.000	0.011	-0.012	0.013	-0.012	0.017	-0.048	5.95
III	2	0.010	0.026	0.020	0.028	-0.017	0.027	-0.248	6.71
	3	-0.007	0.084	0.020	0.024	-0.009	0.020	-0.743	7.[illegible]
	1	-0.025	0.023	0.037	0.027	-0.044	0.028	1.13	4.15
IV	2	0.008	0.021	0.034	0.018	-0.004	0.028	-0.314	5.[illegible]
	3	-0.009	0.020	0.027	0.022	-0.012	0.023	-1.1	4.97
	1	0.002	0.028	0.036	0.047	0.013	0.031	2.30	9.07
V	2	0.016	0.042	0.043	0.033	0.013	0.032	1.09	11.[illegible]
	3	0.005	0.032	0.020	0.036	0.006	0.047	-2.16	8.21

TABLE 1

PILOT RAW SCORES ON SELECTED FLIGHT CONTROL PARAMETERS

FIGURE 1

INDIVIDUAL PILOT ISOMETRIC PERFORMANCE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PILOT 1
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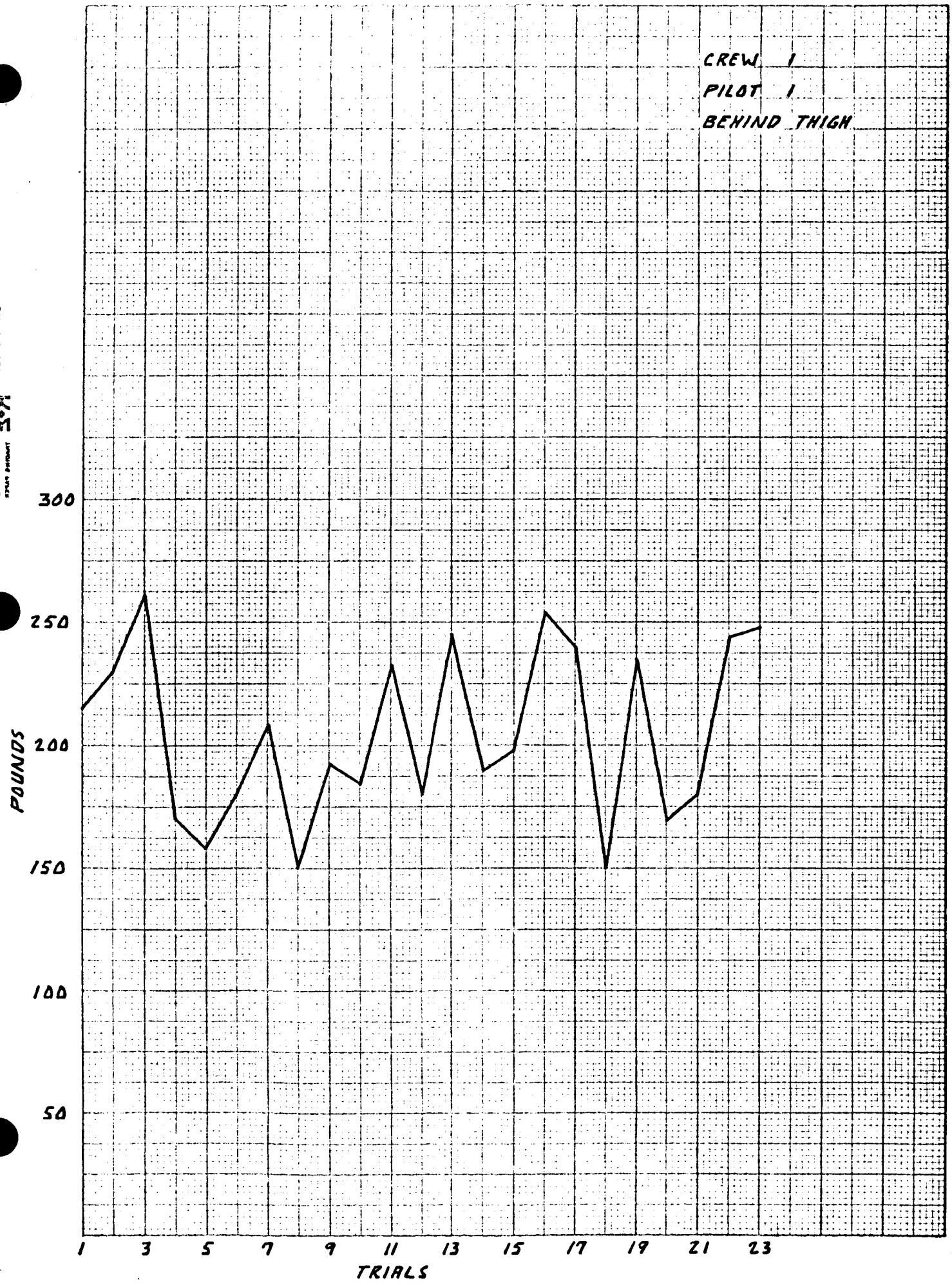
TRIALS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BEHIND THIGH
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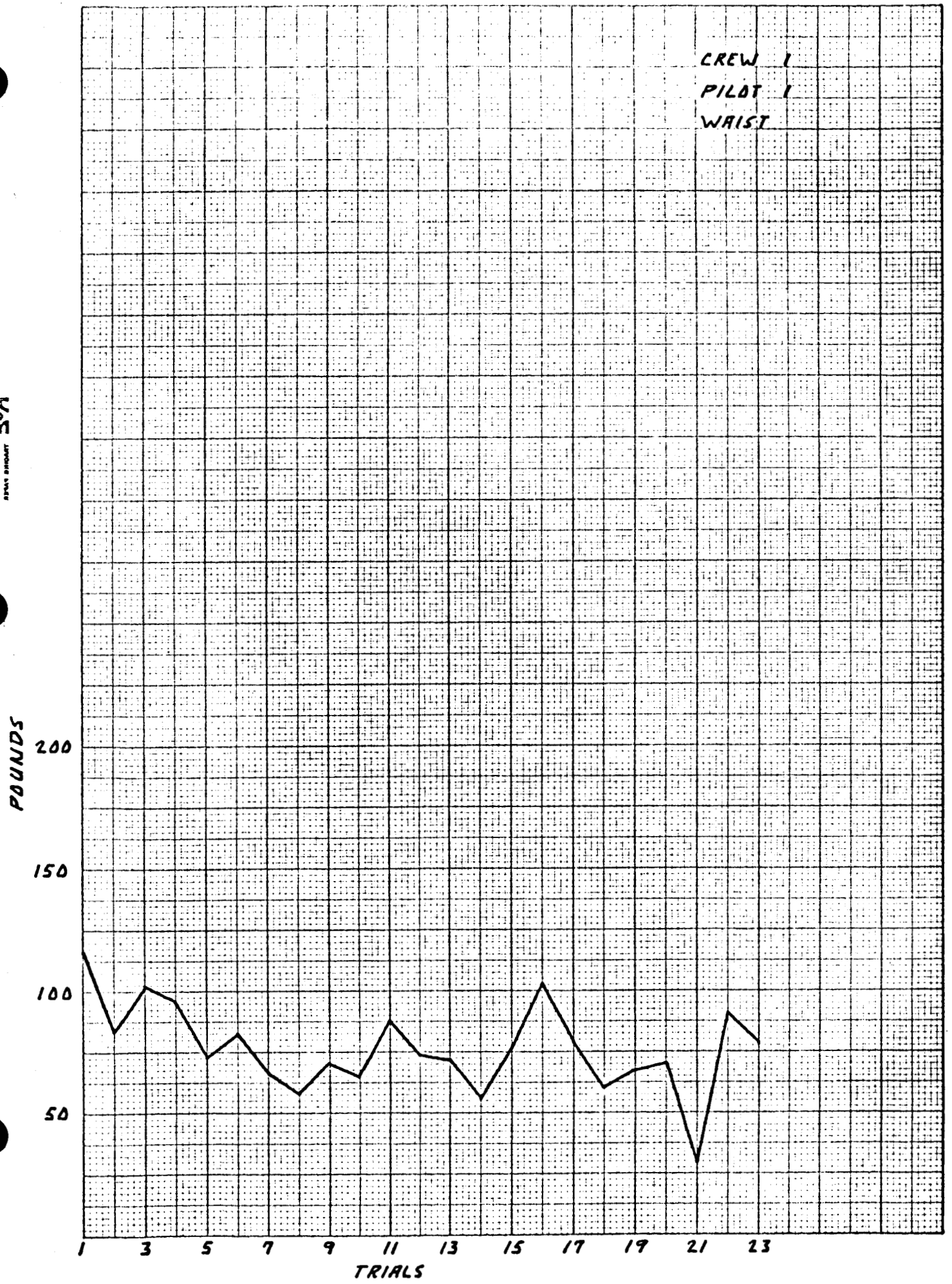
TRIALS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PILOT 1
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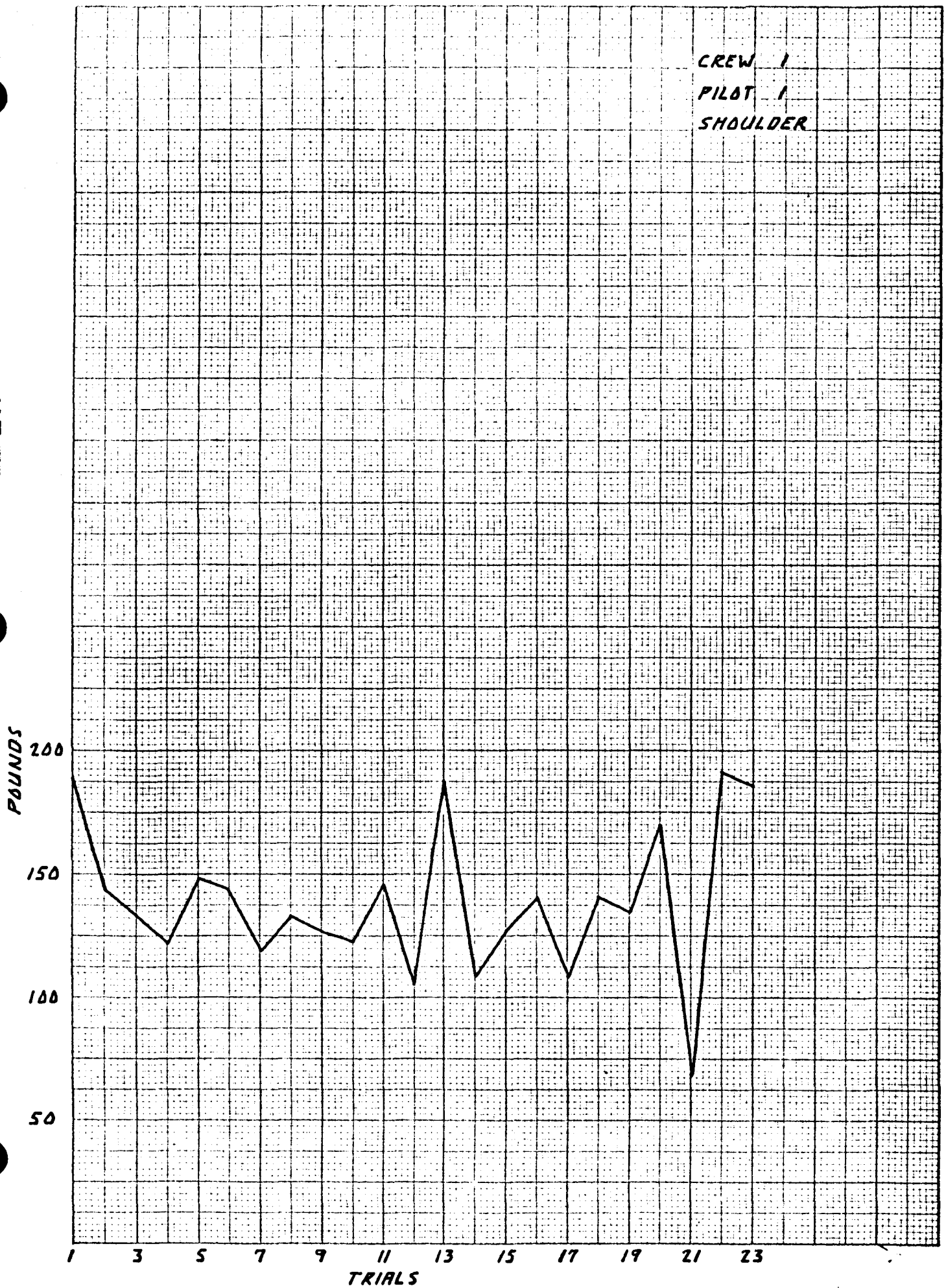
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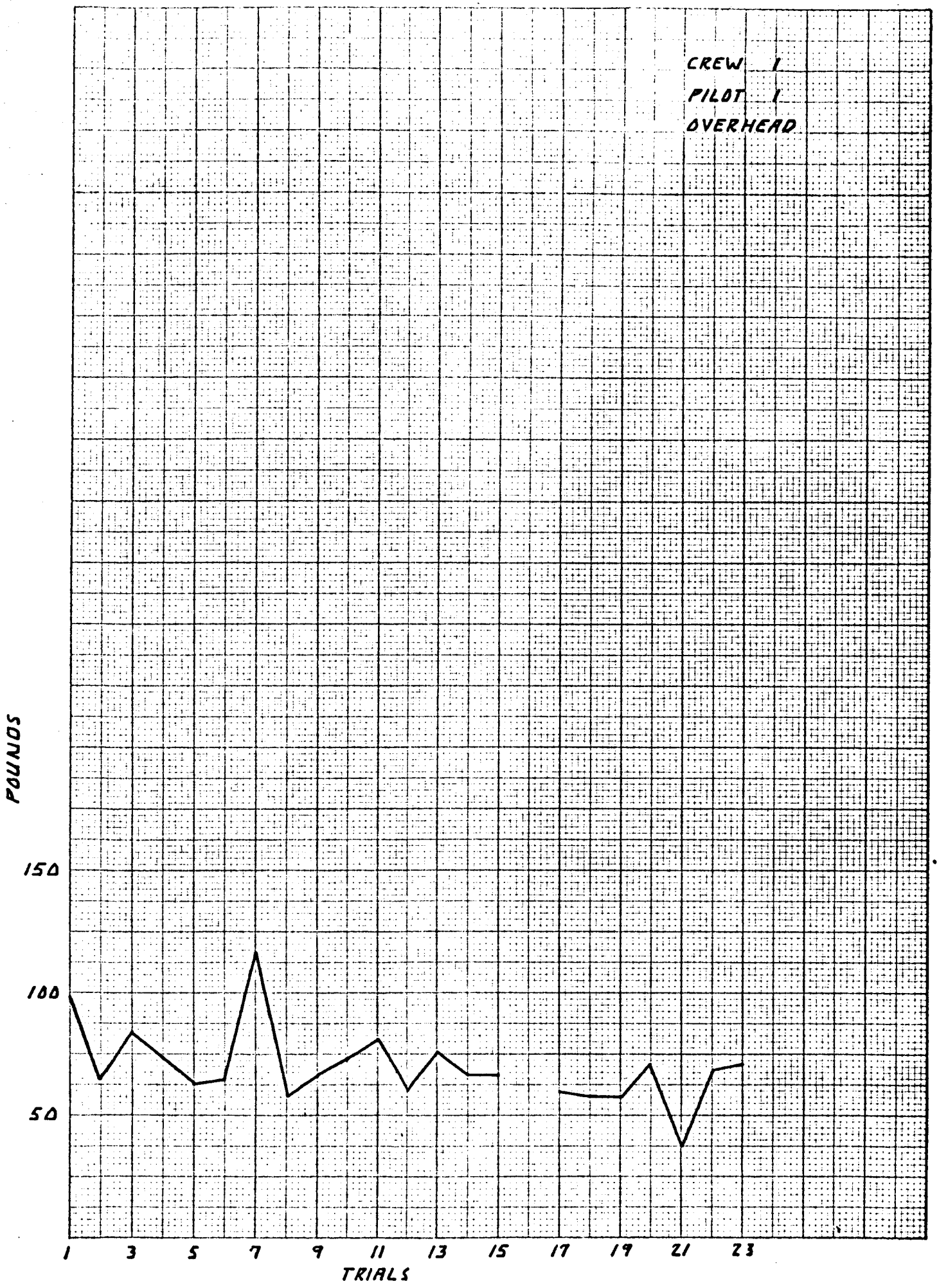
TRIALS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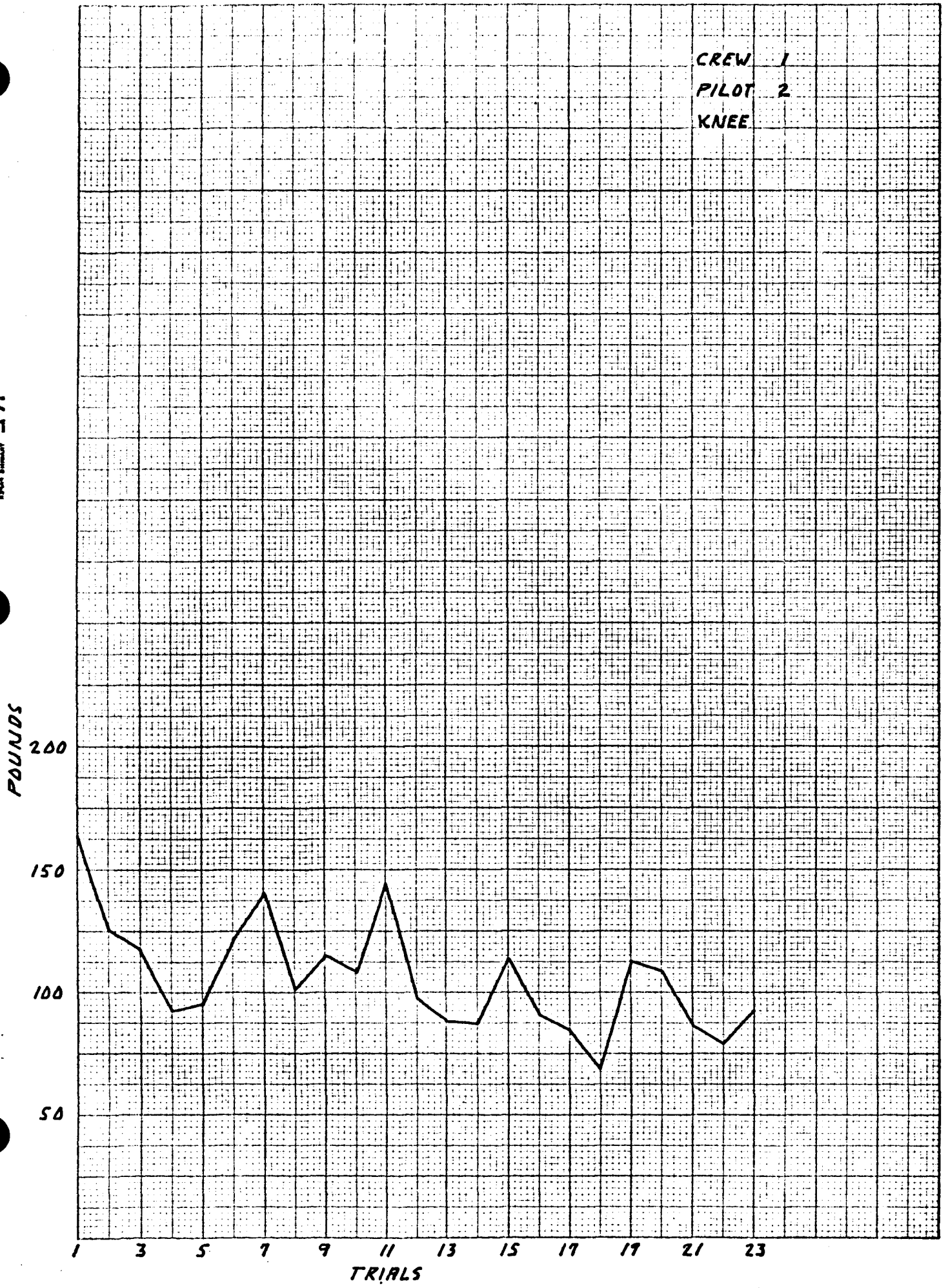
TRIALS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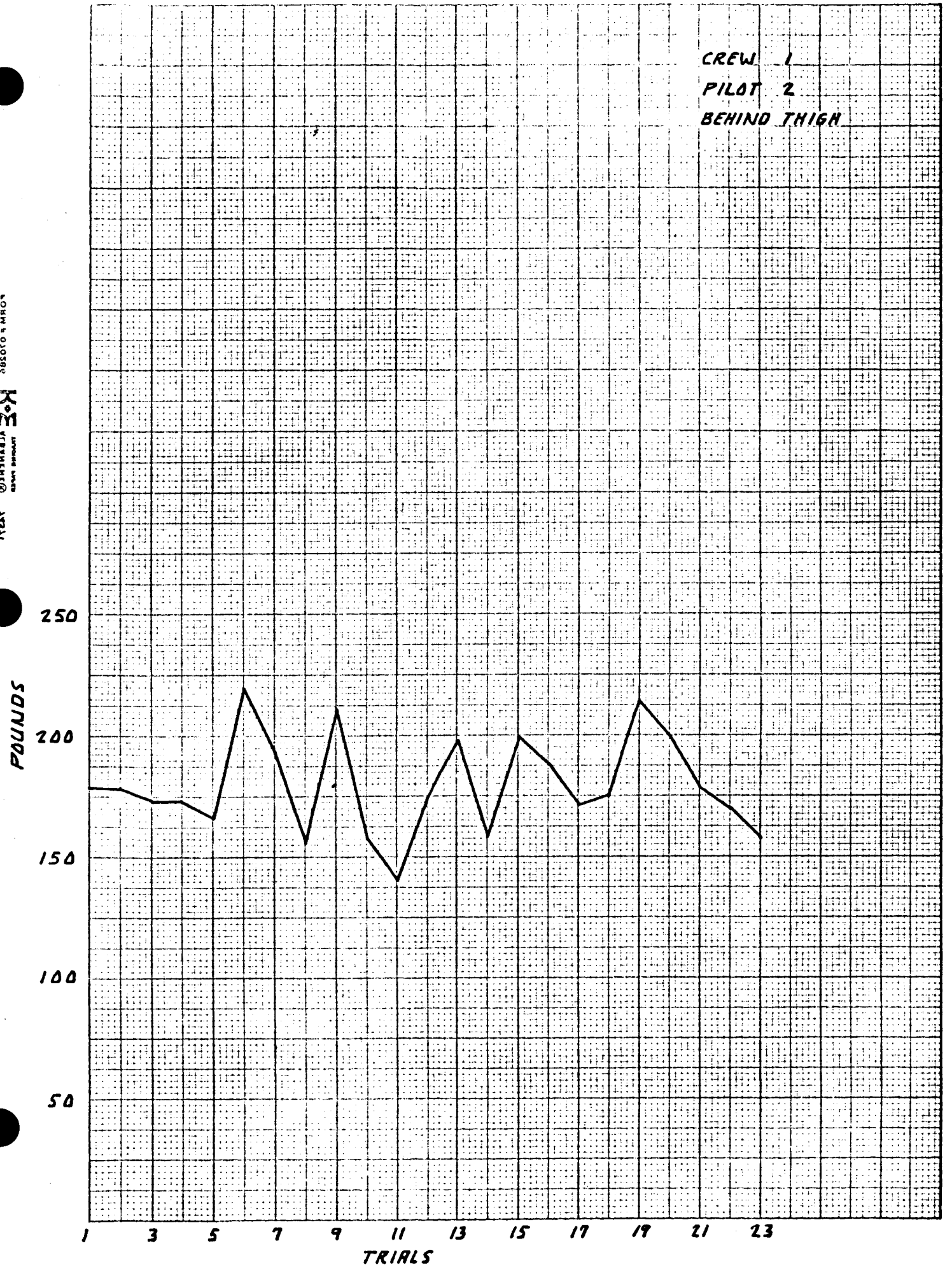
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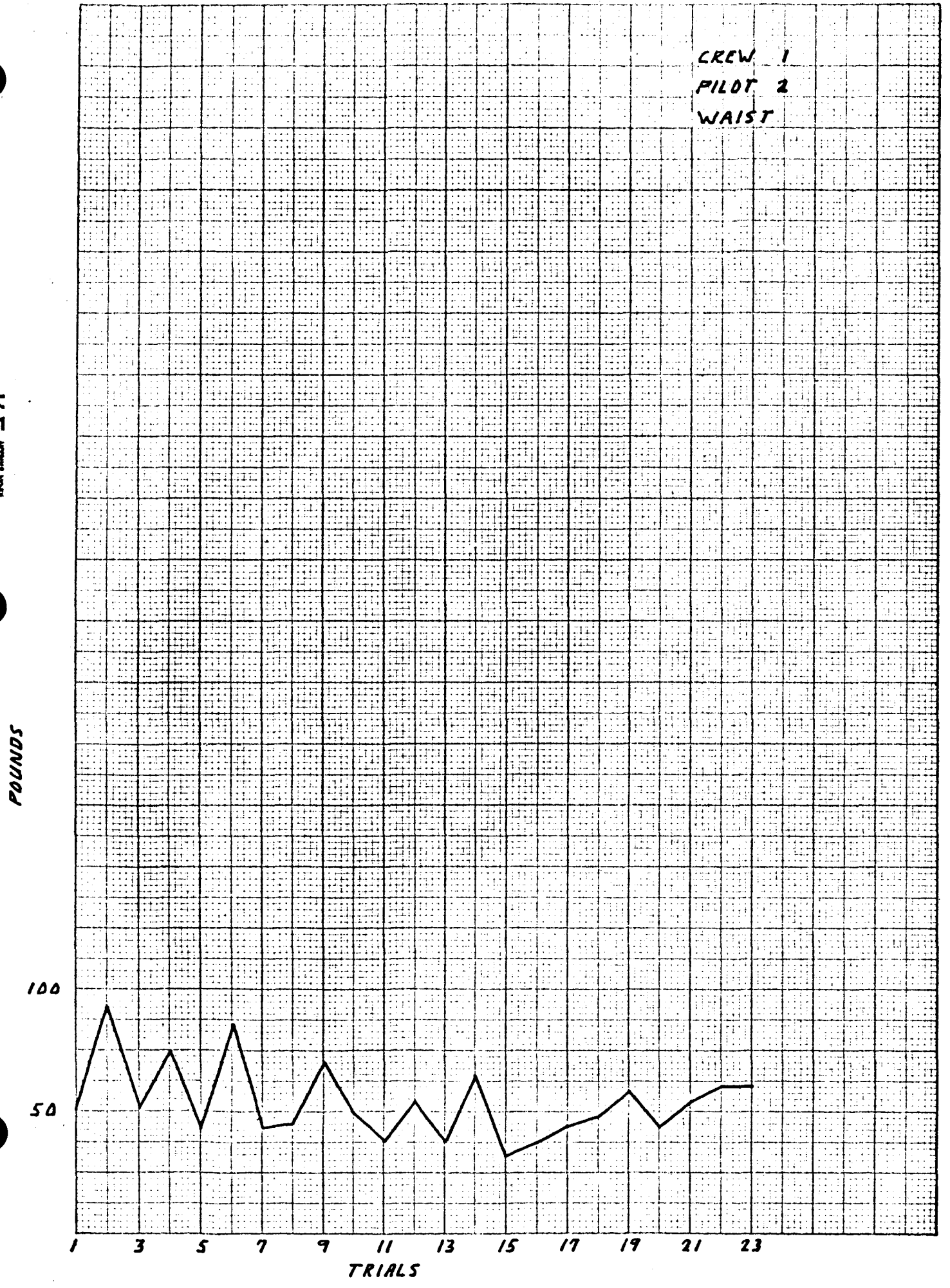
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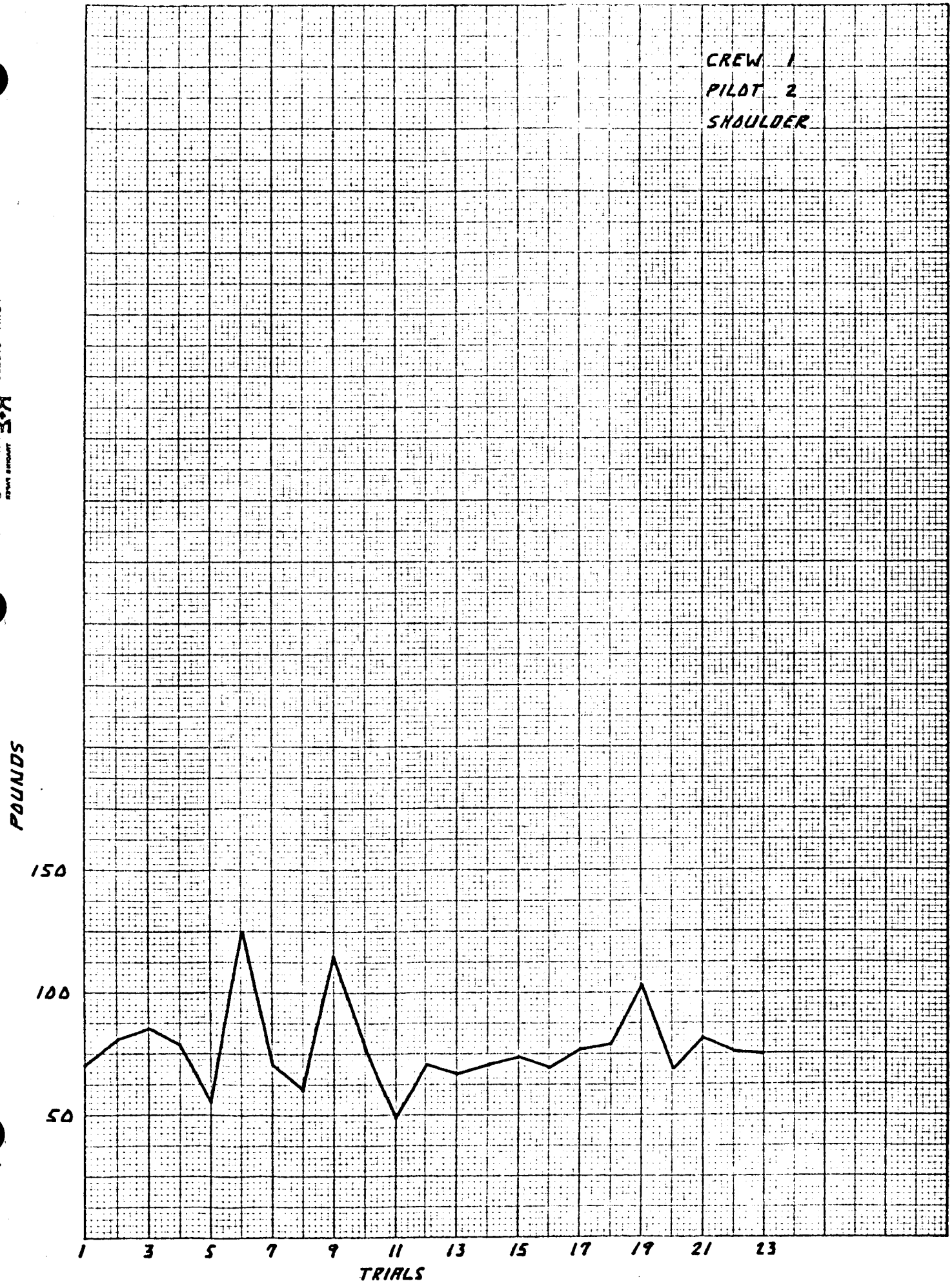
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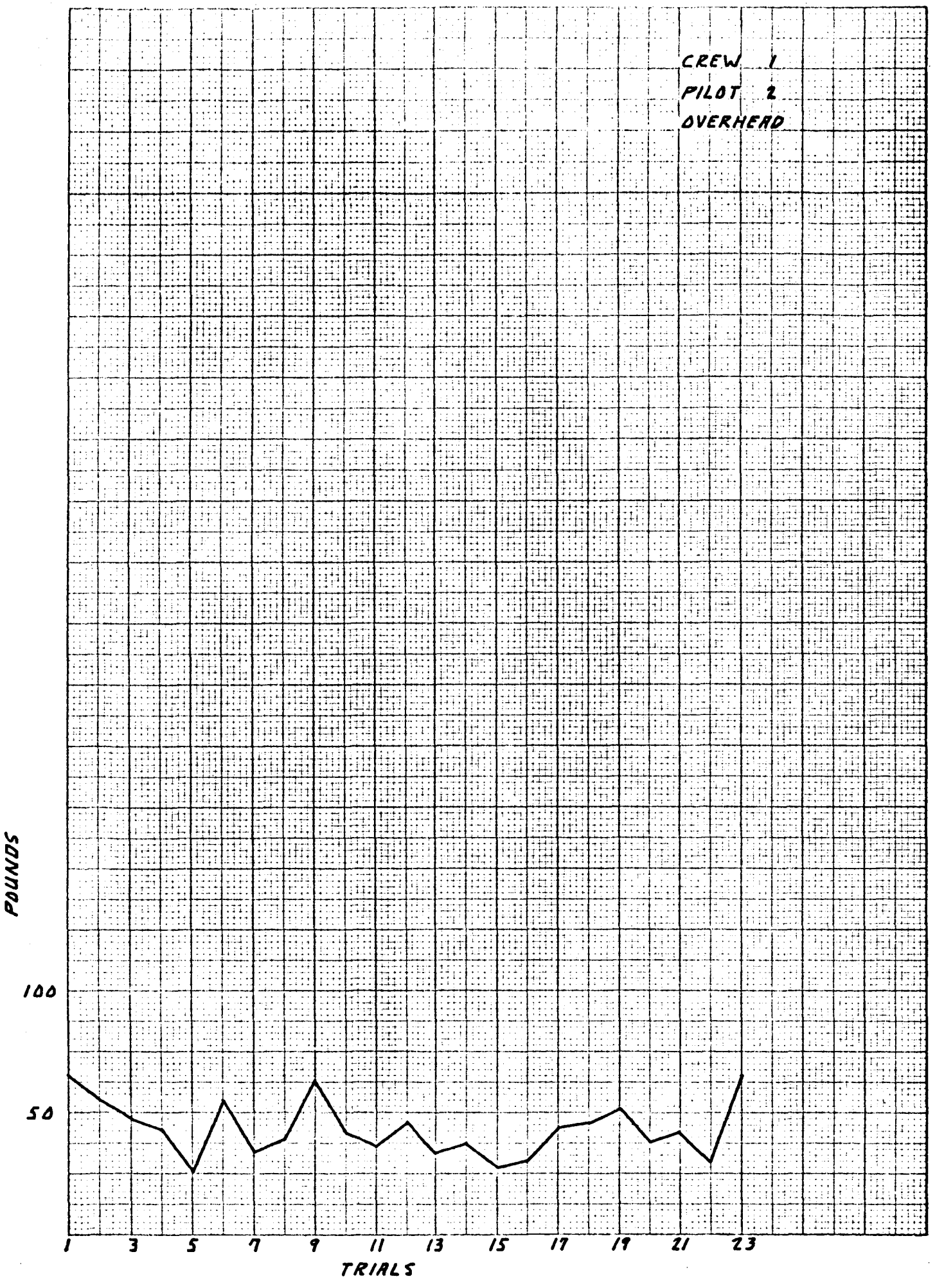
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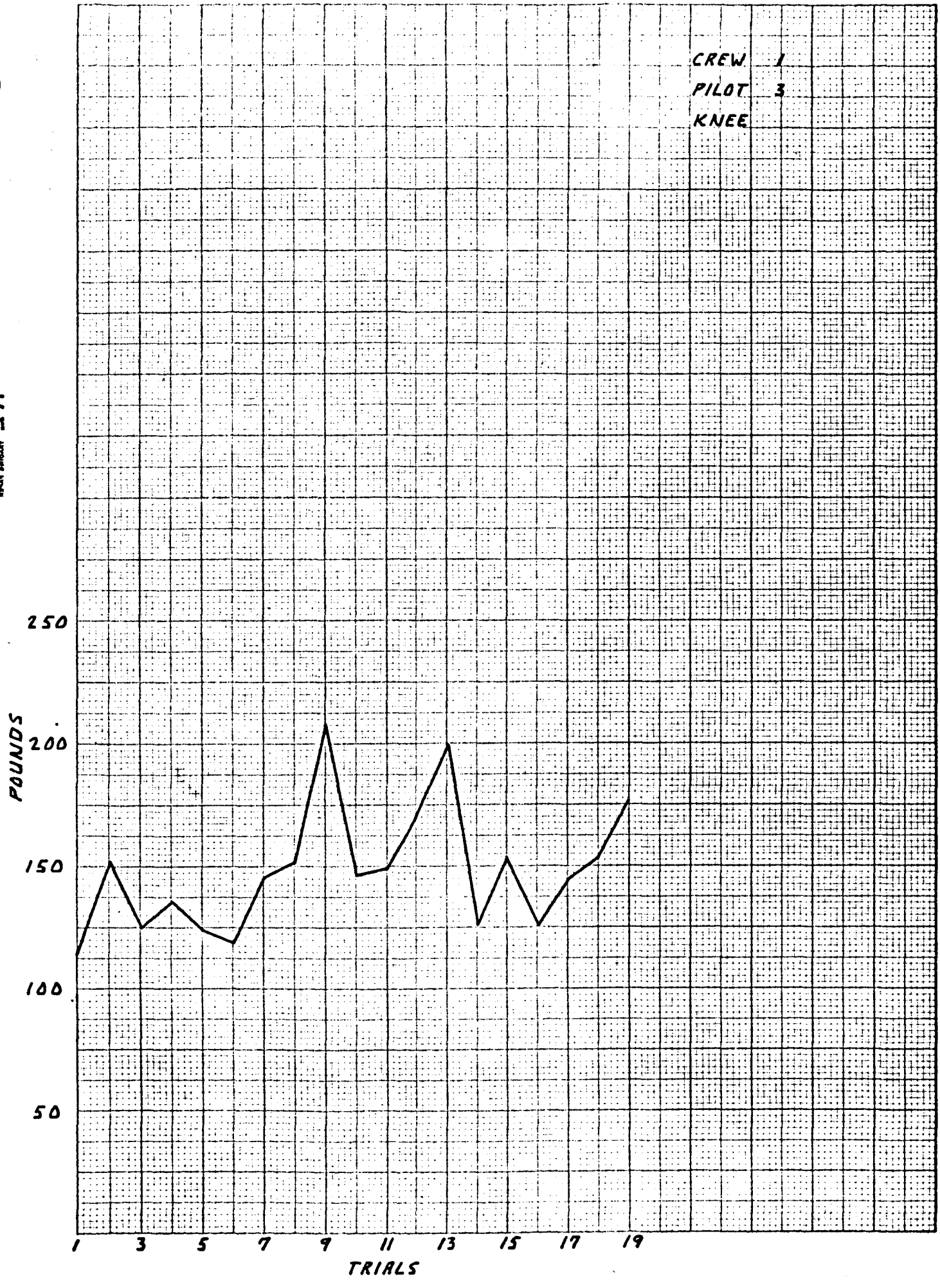
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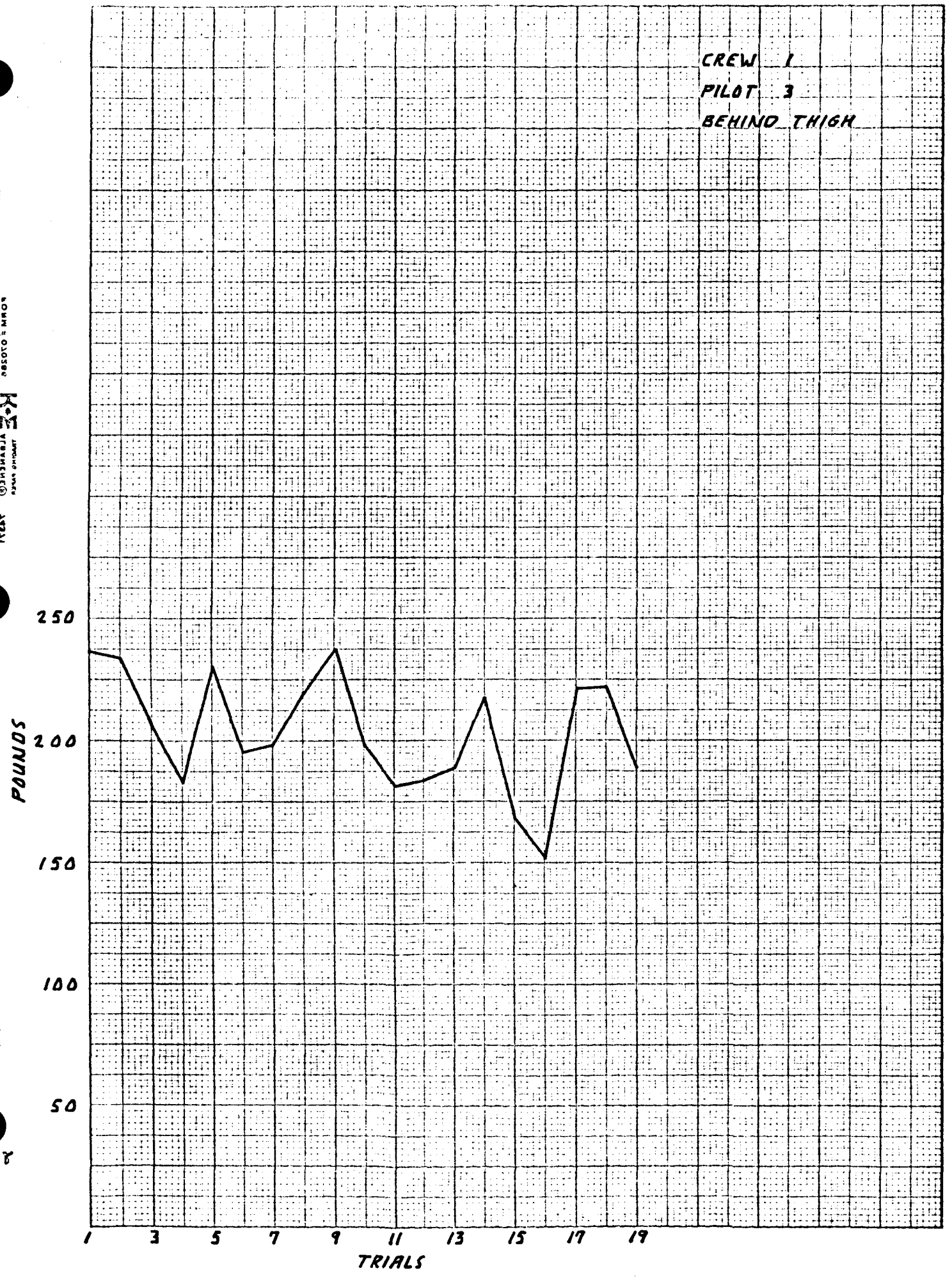
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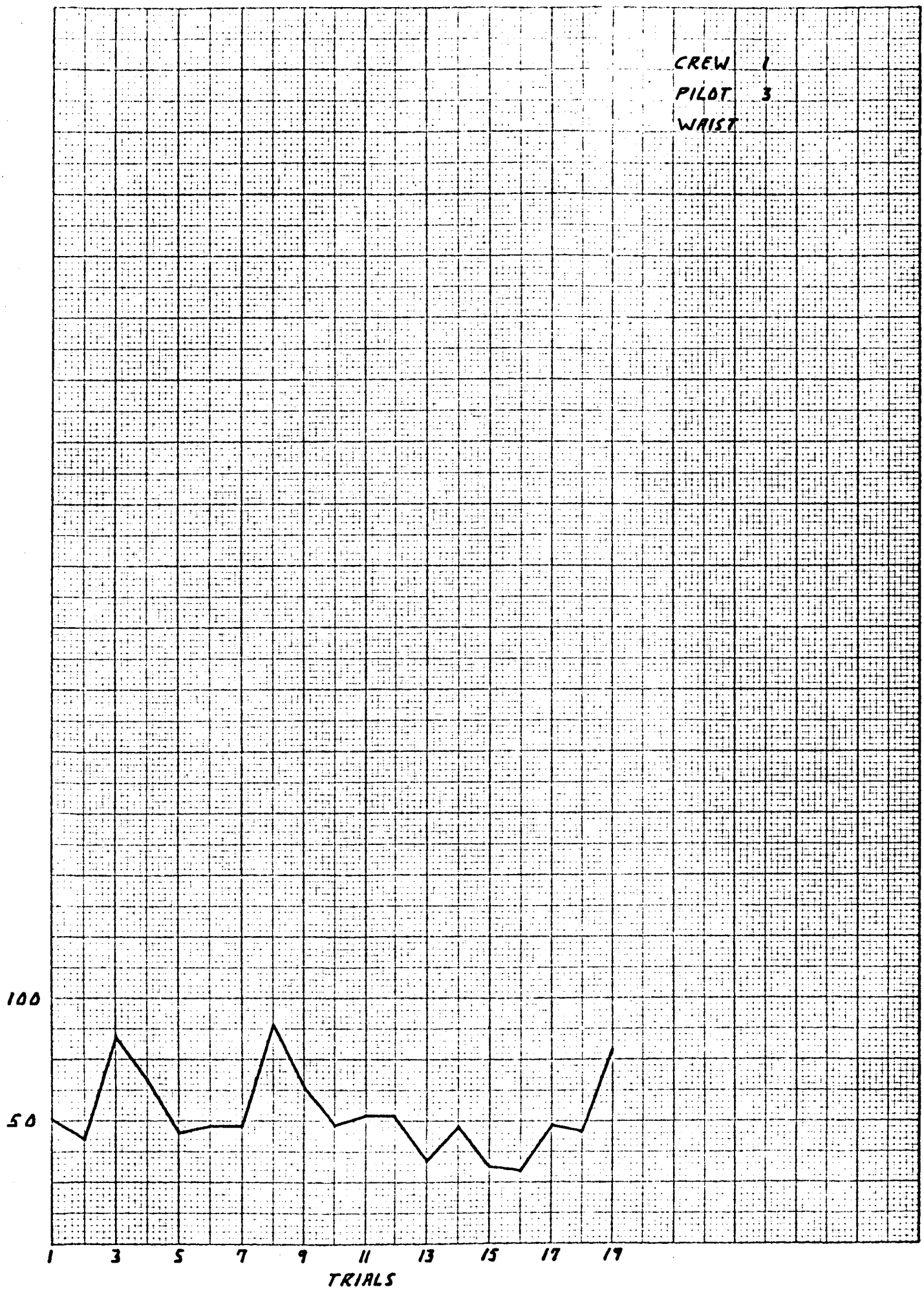
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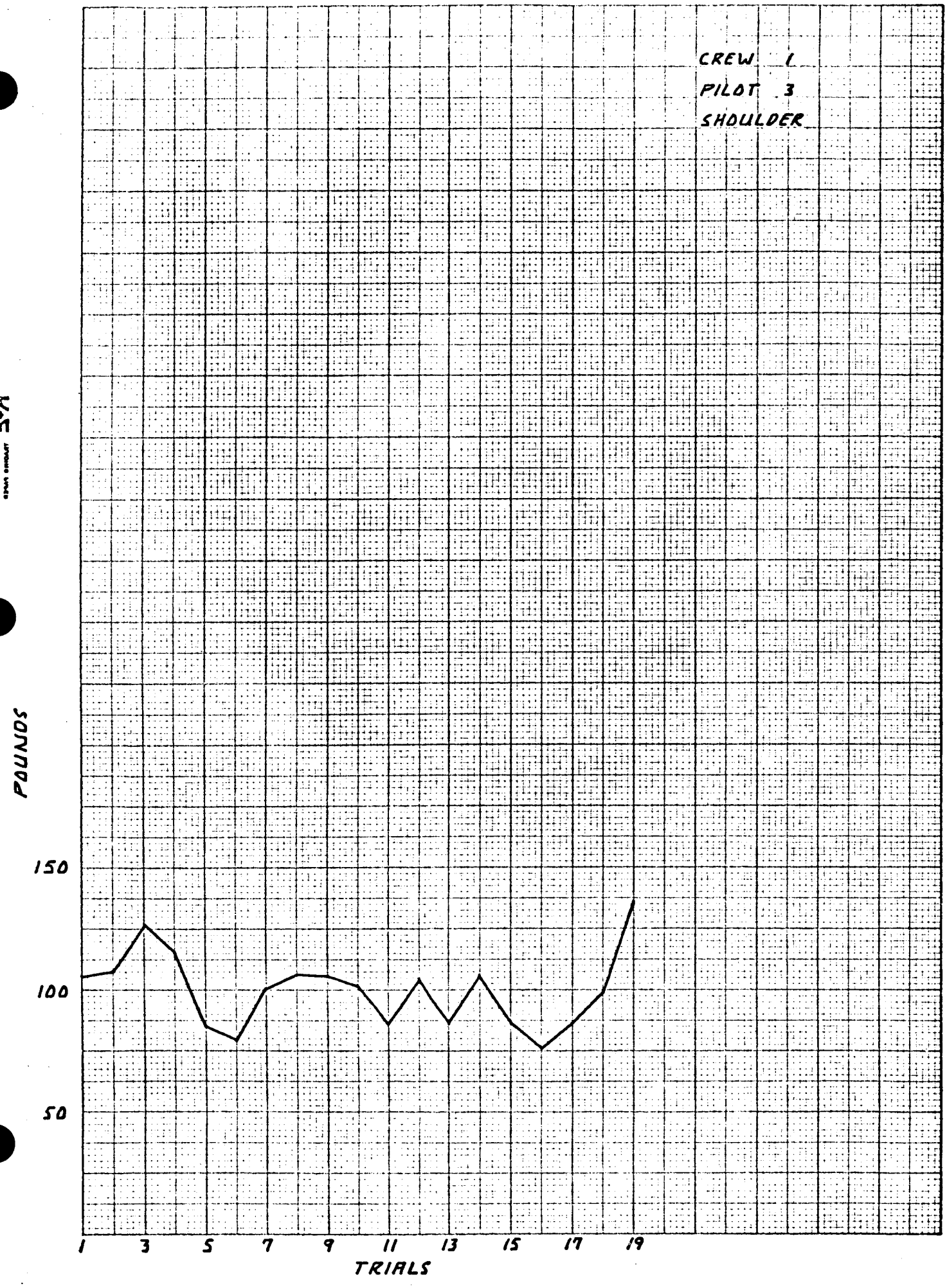
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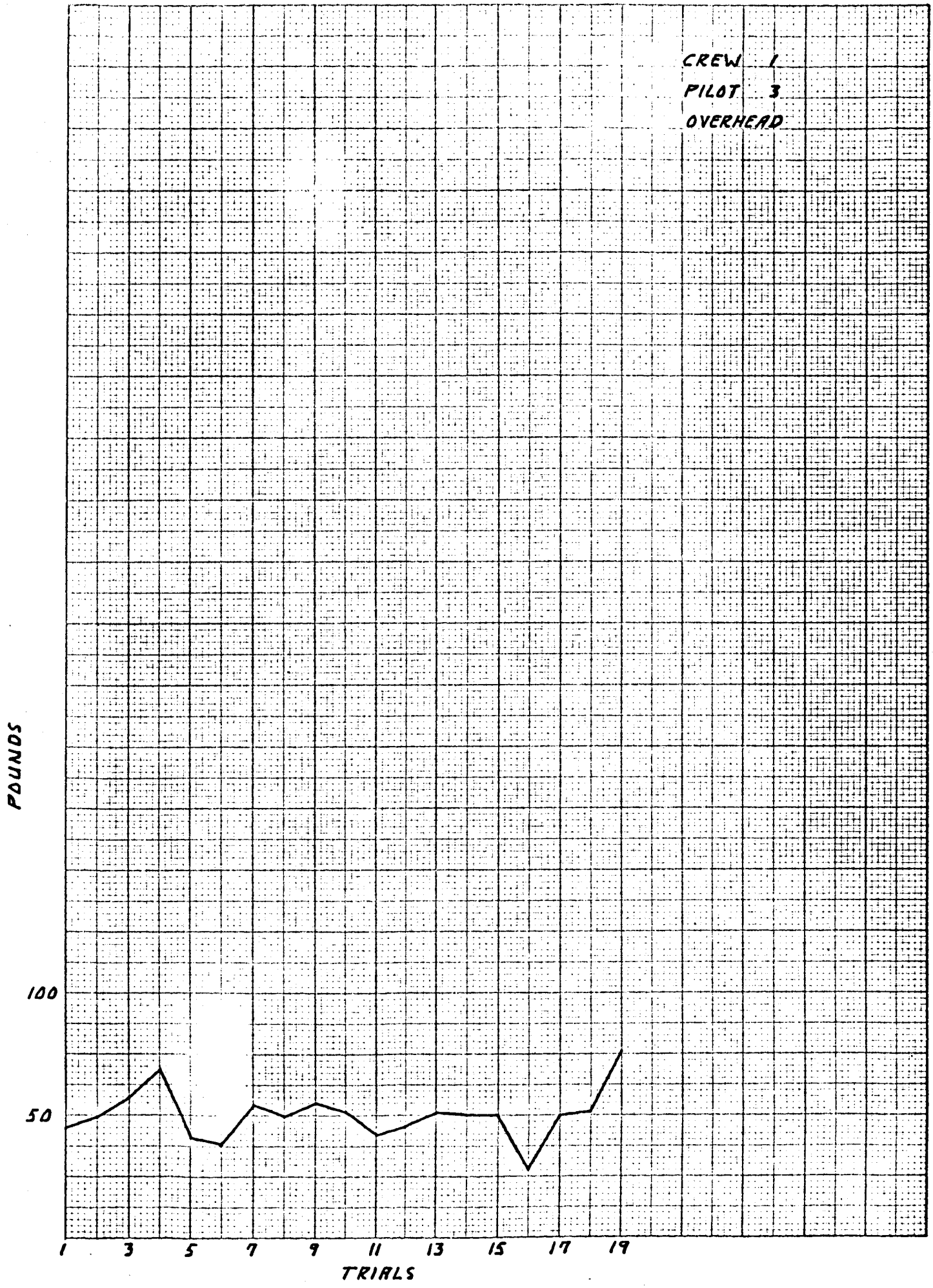
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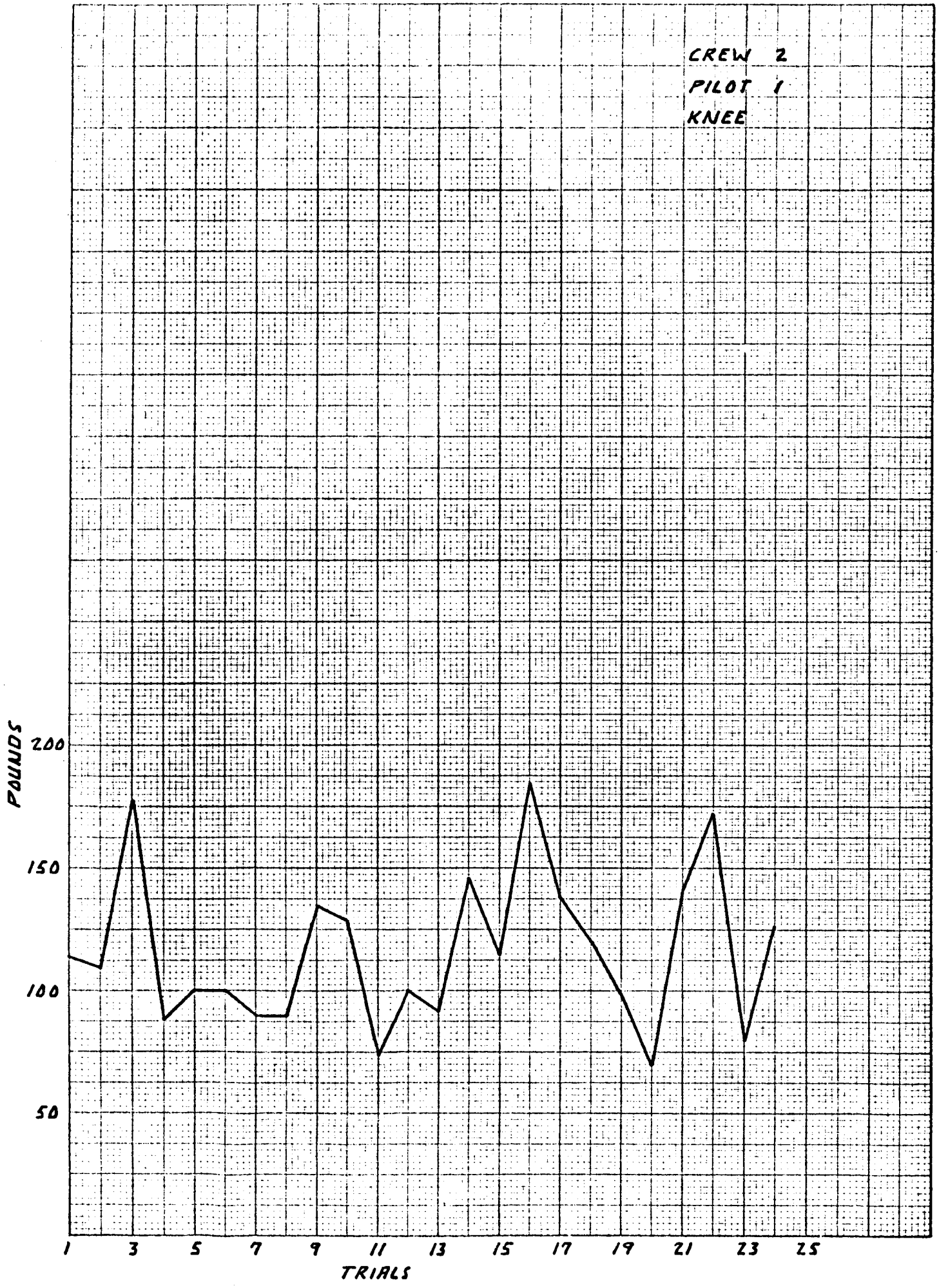
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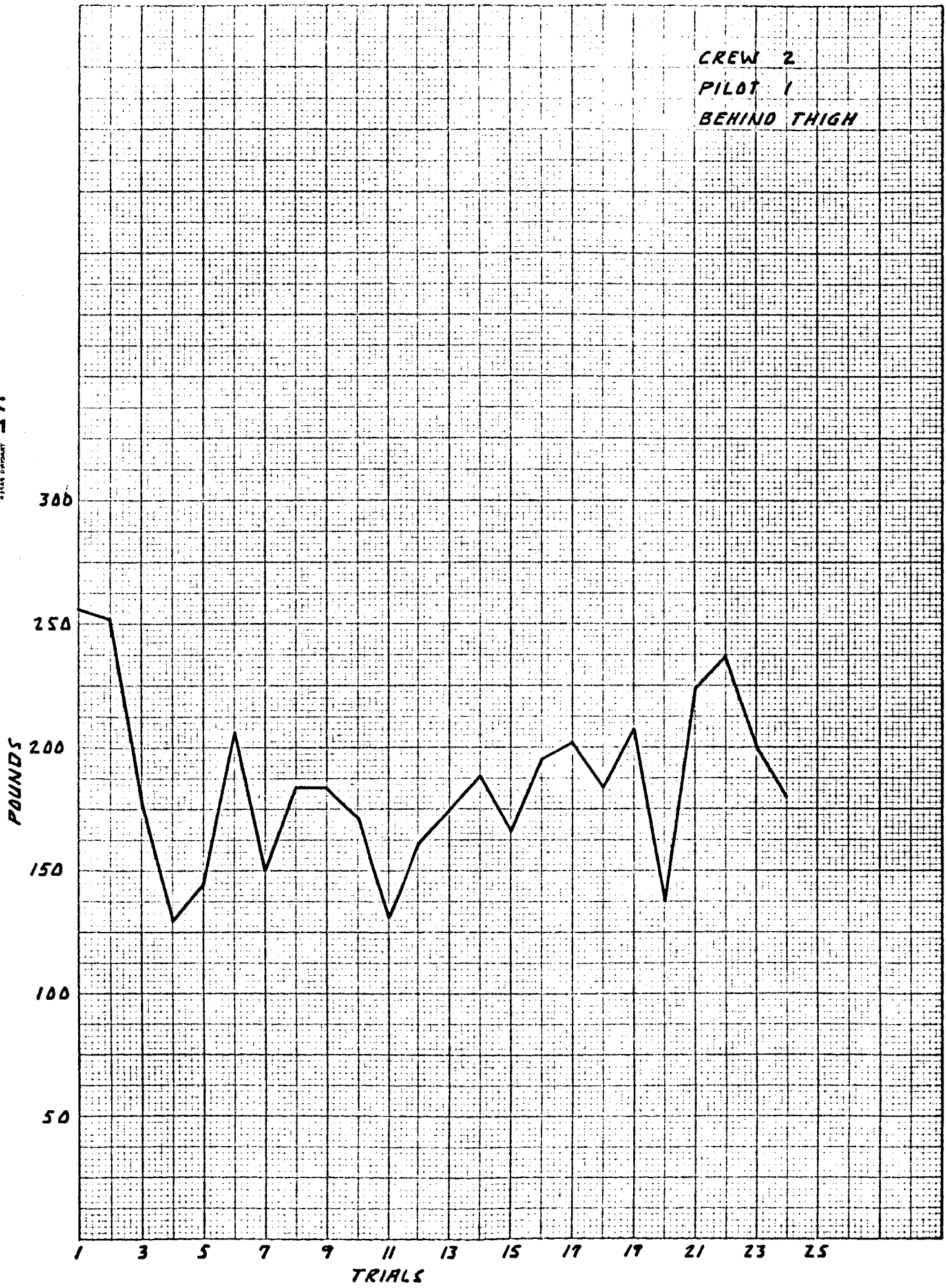
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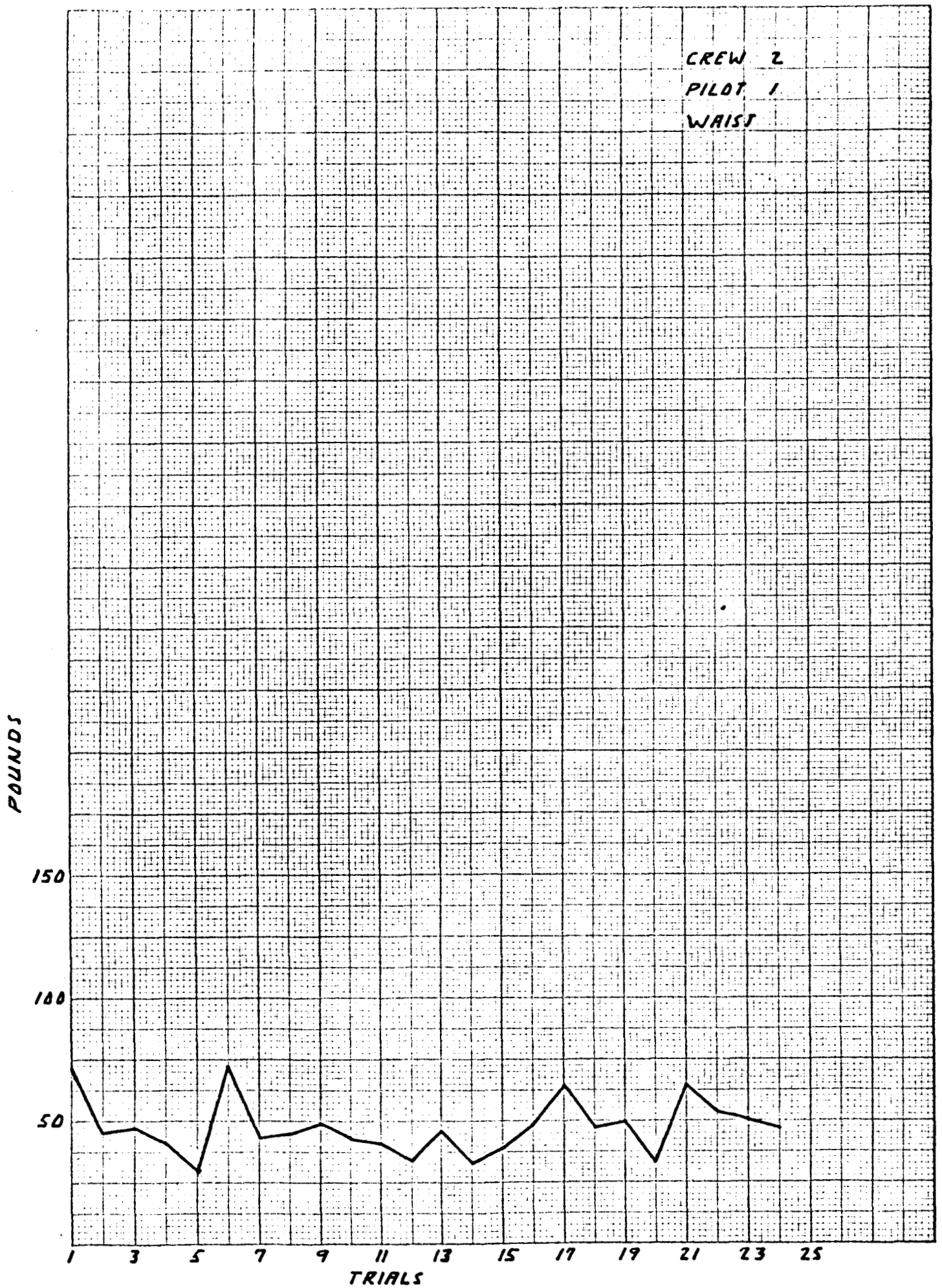
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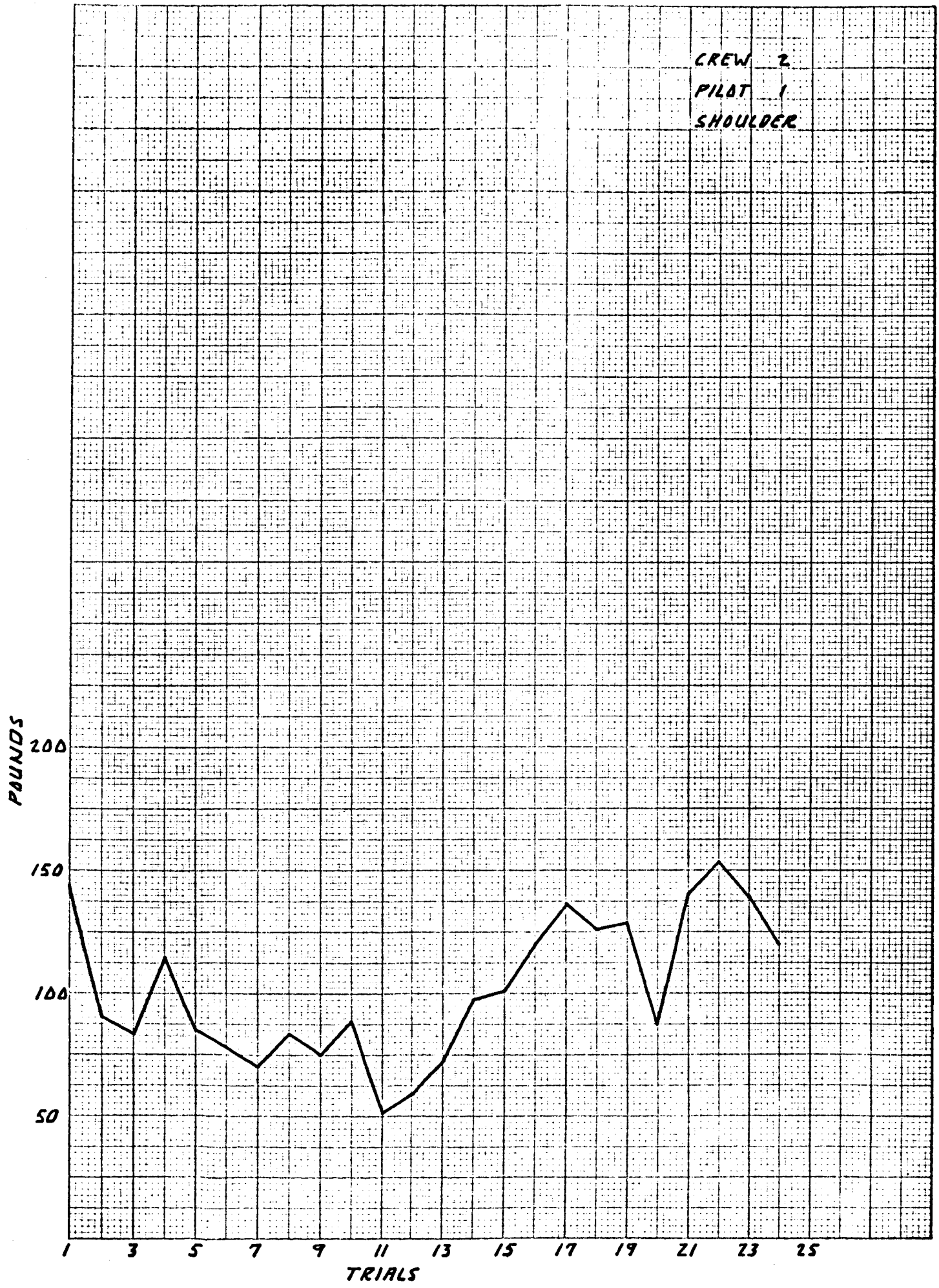
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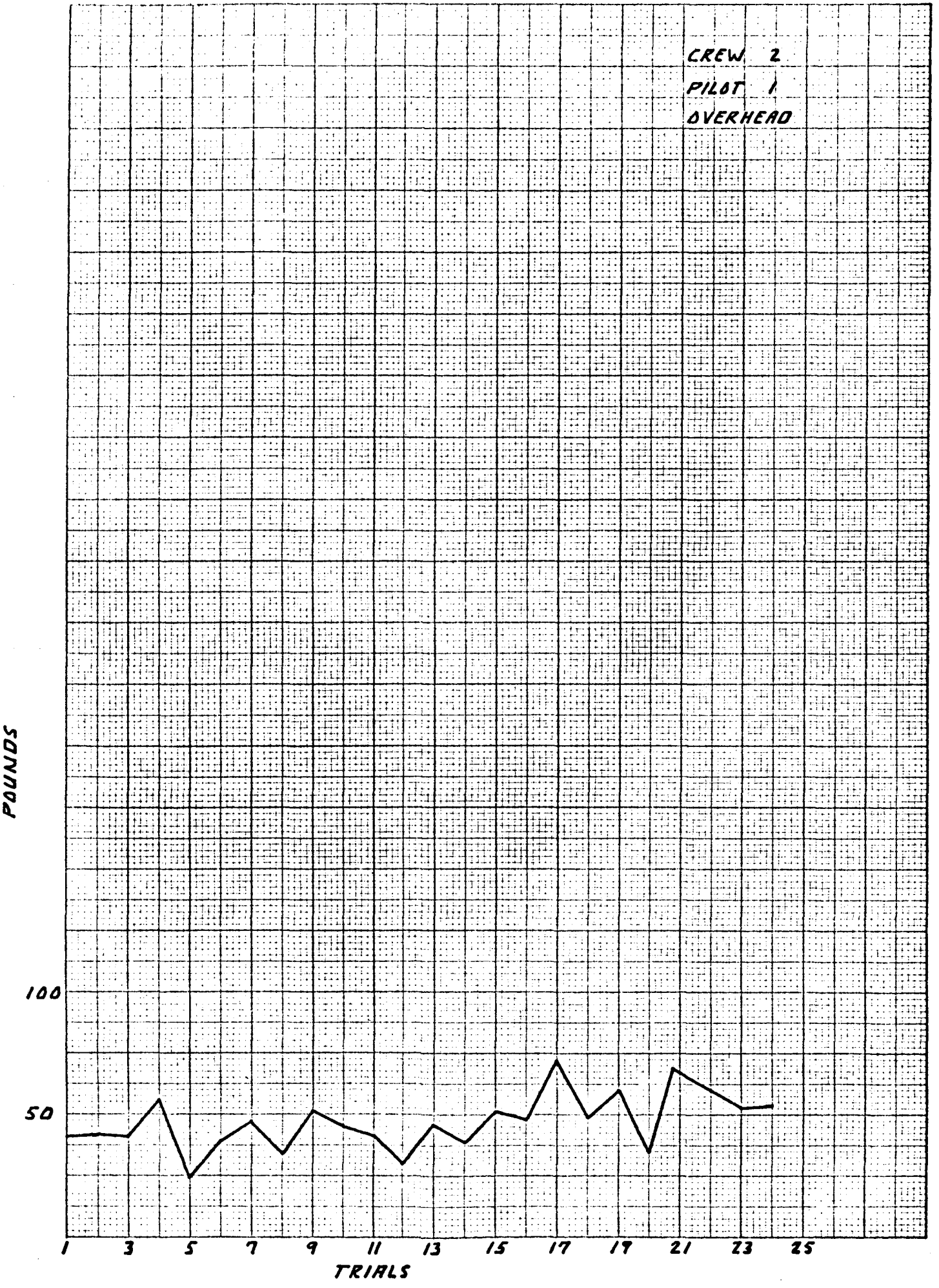
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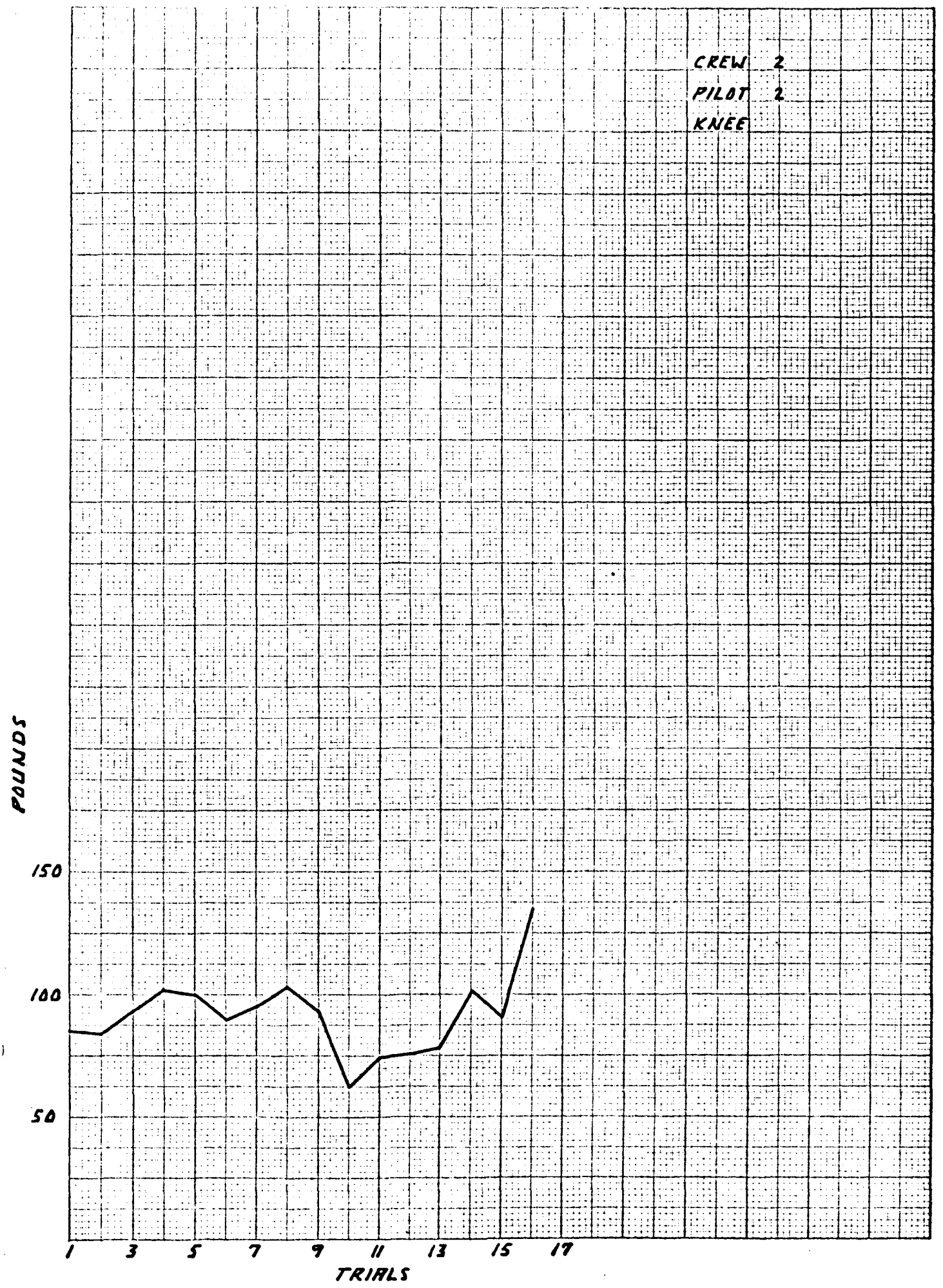
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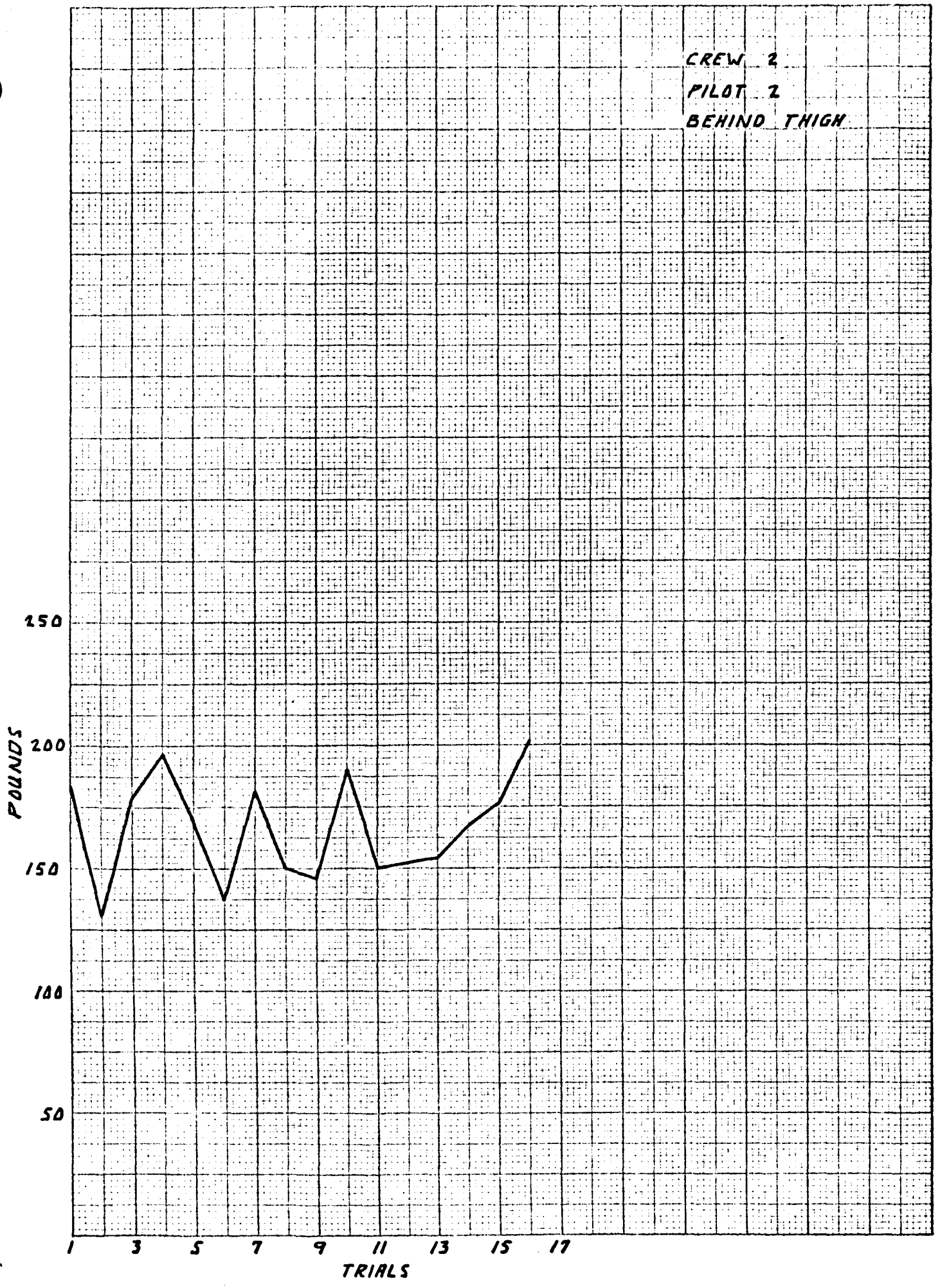
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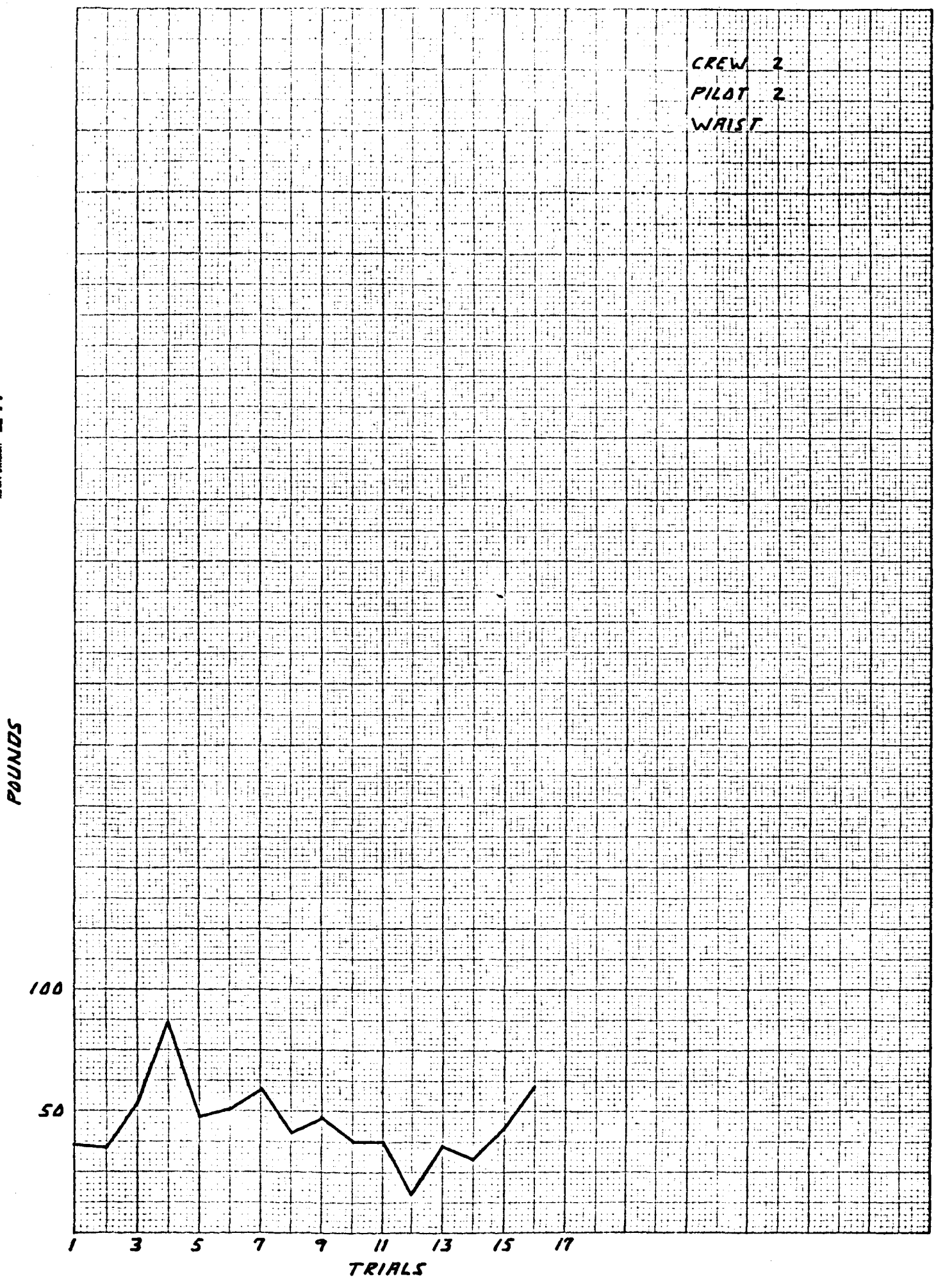
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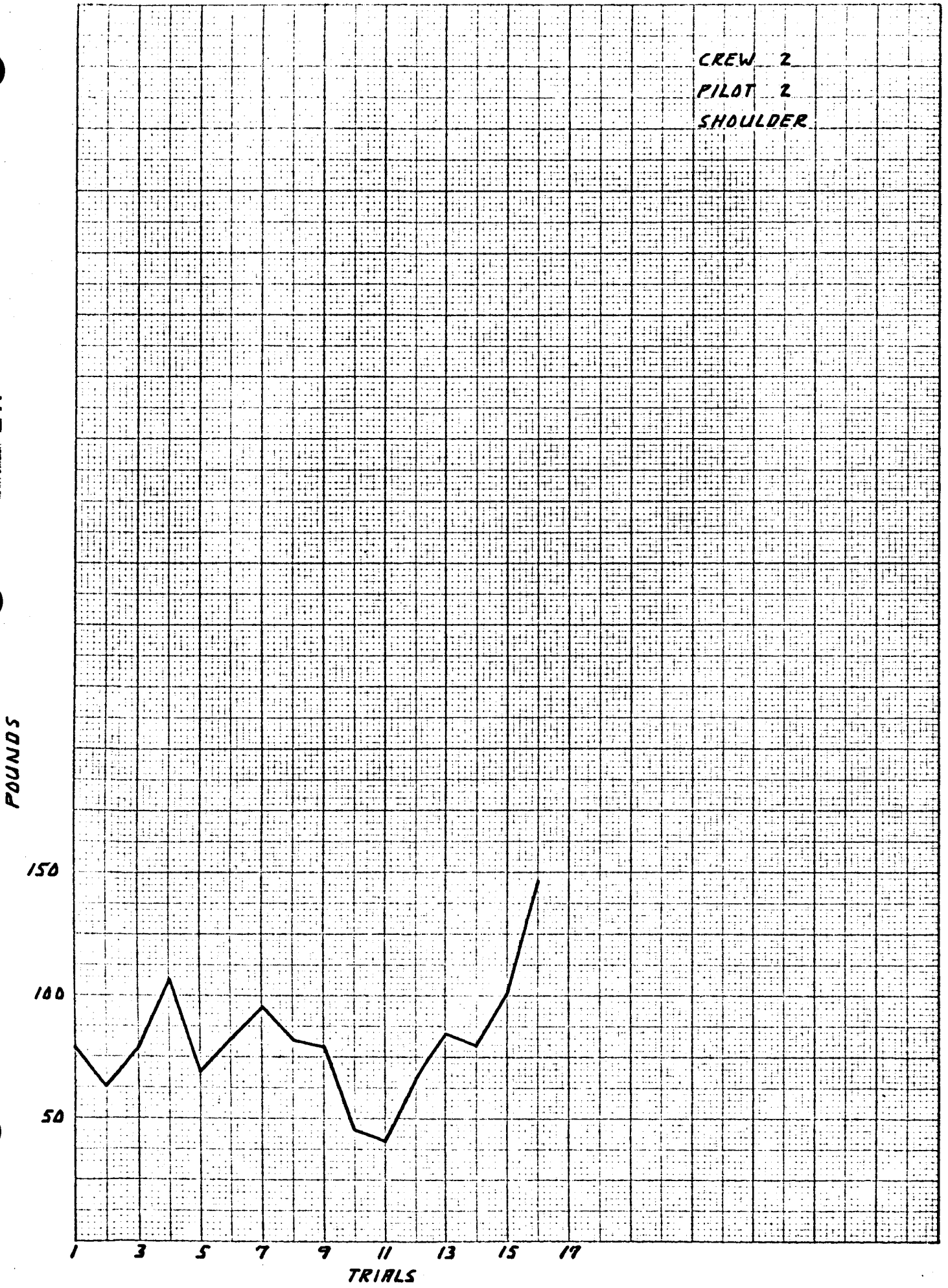
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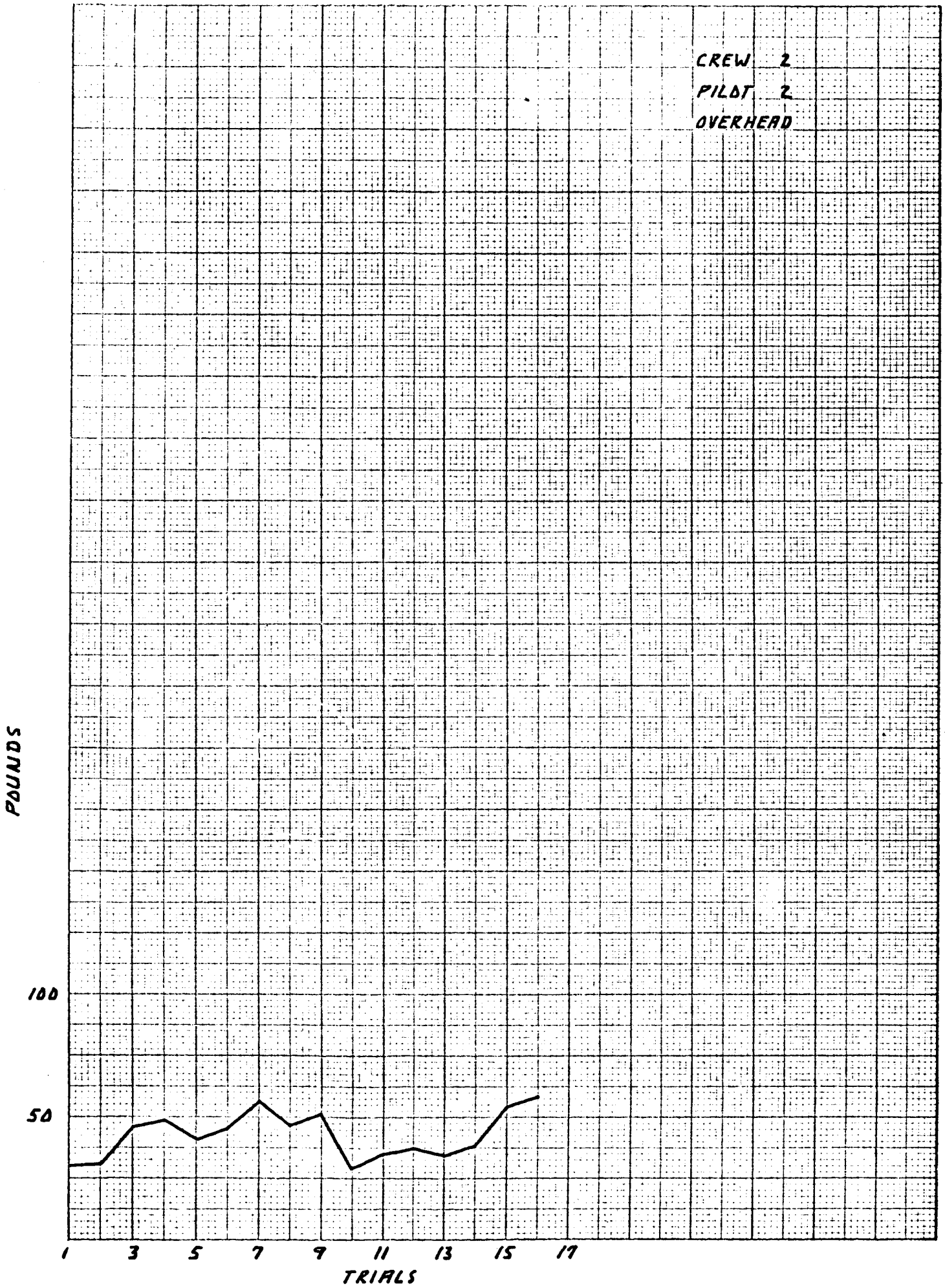
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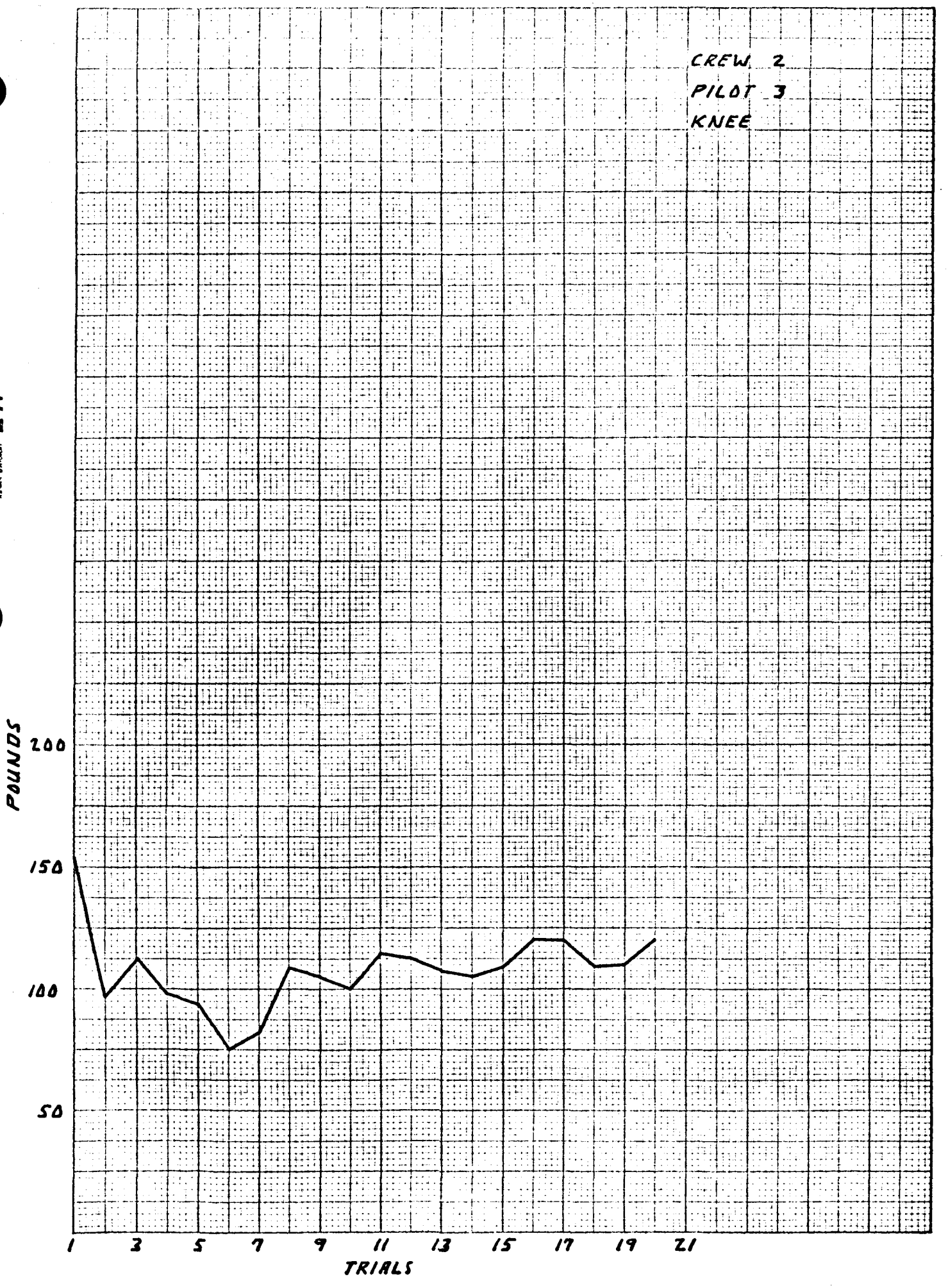
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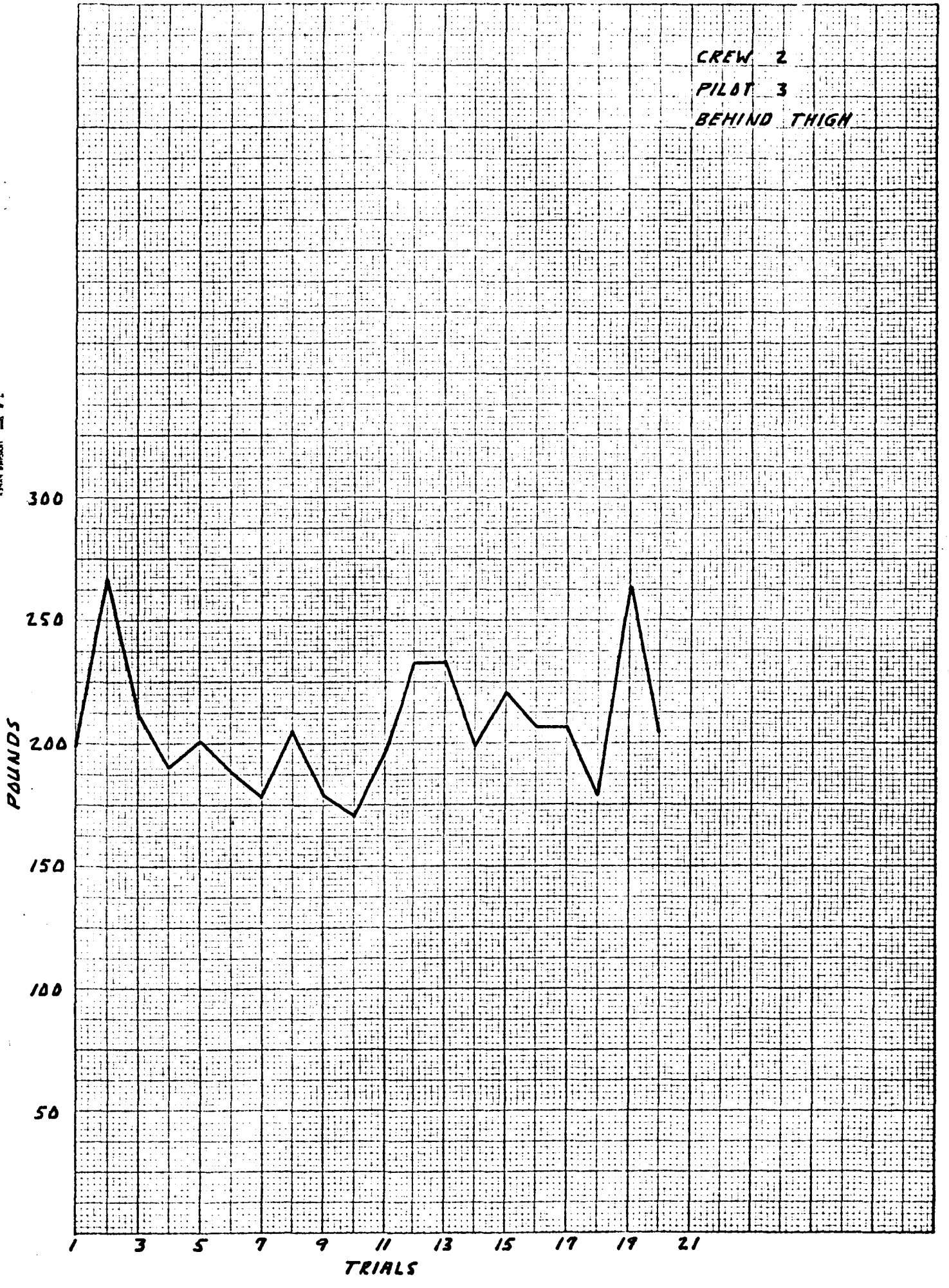
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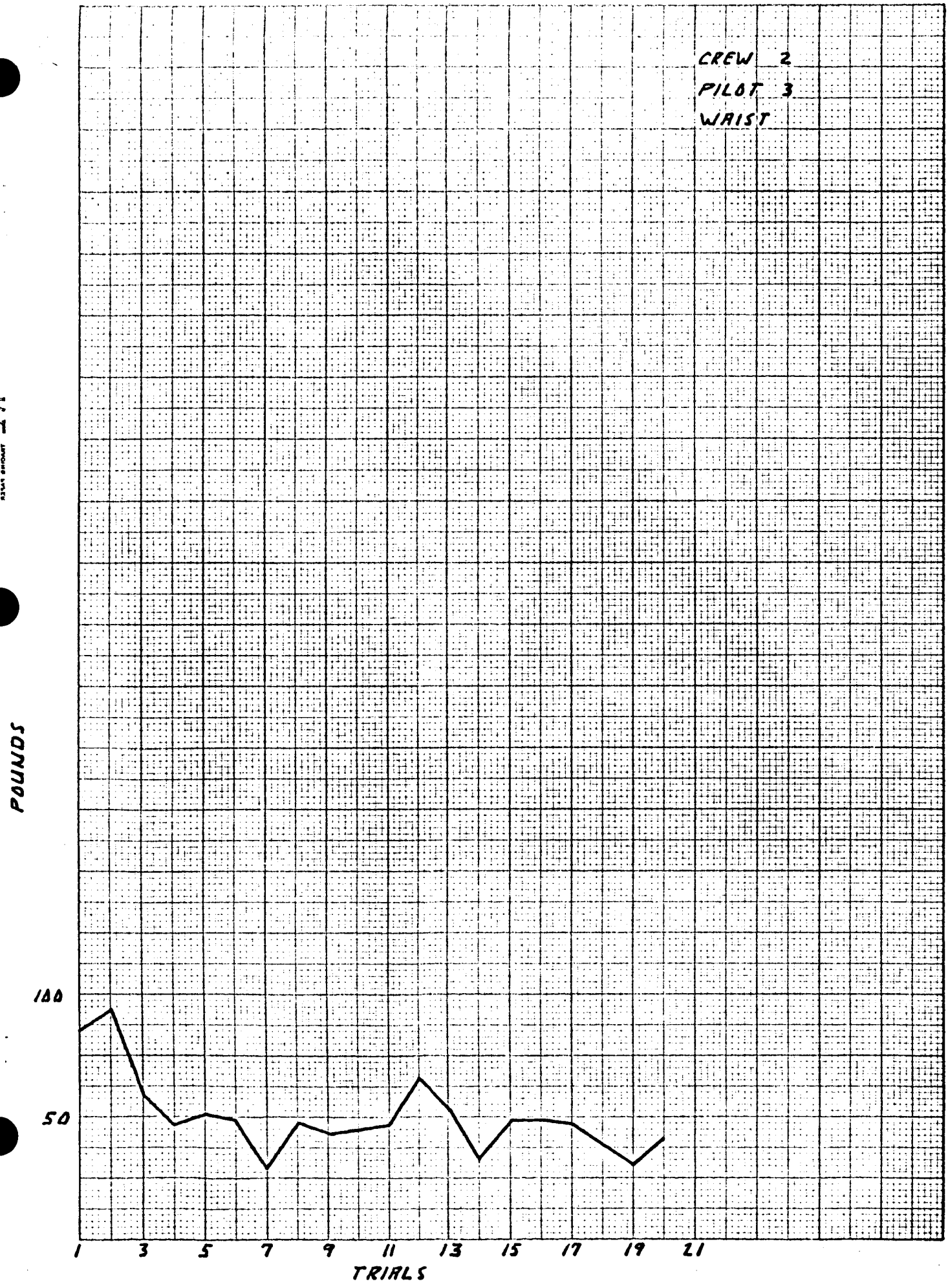
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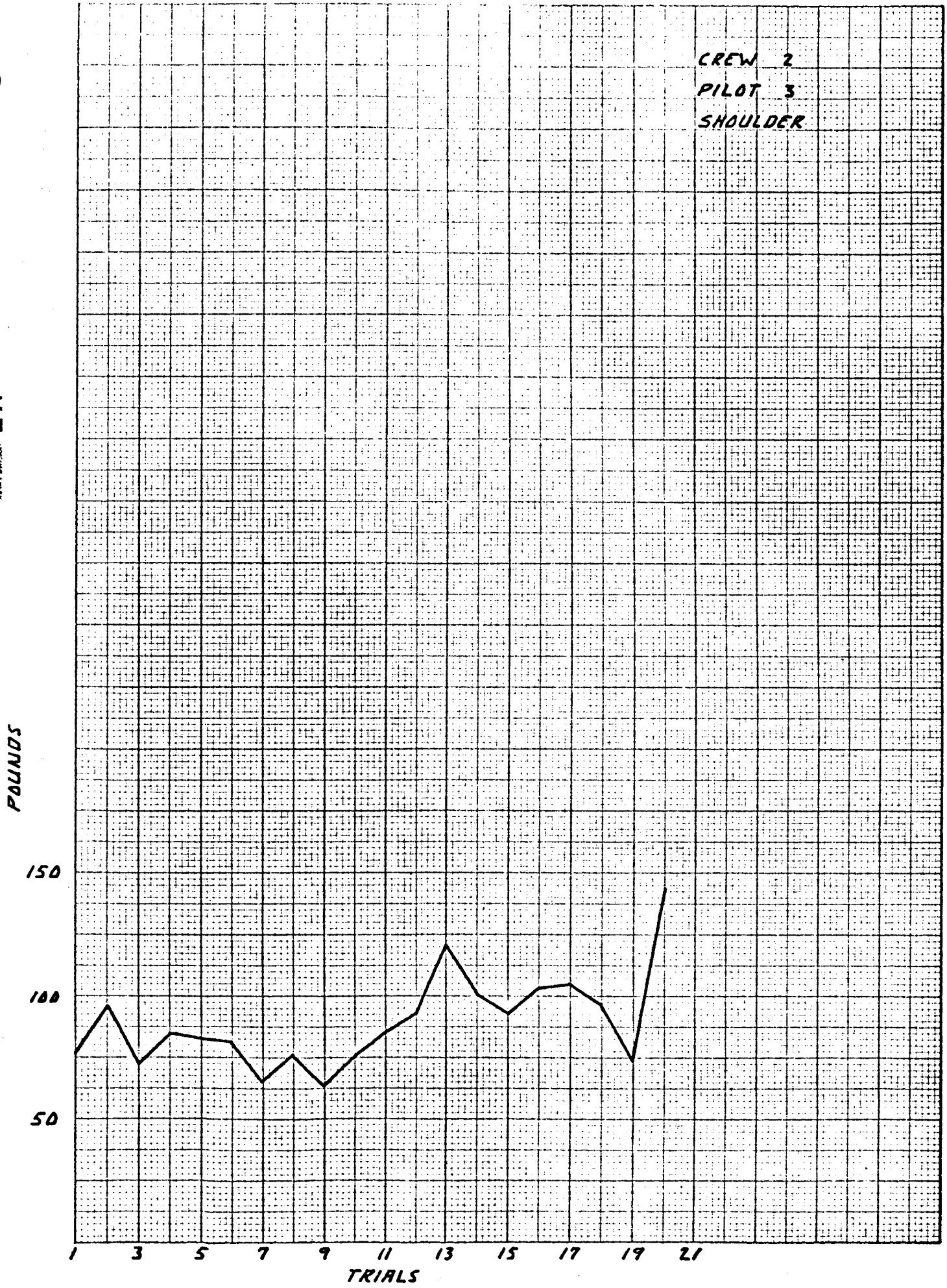
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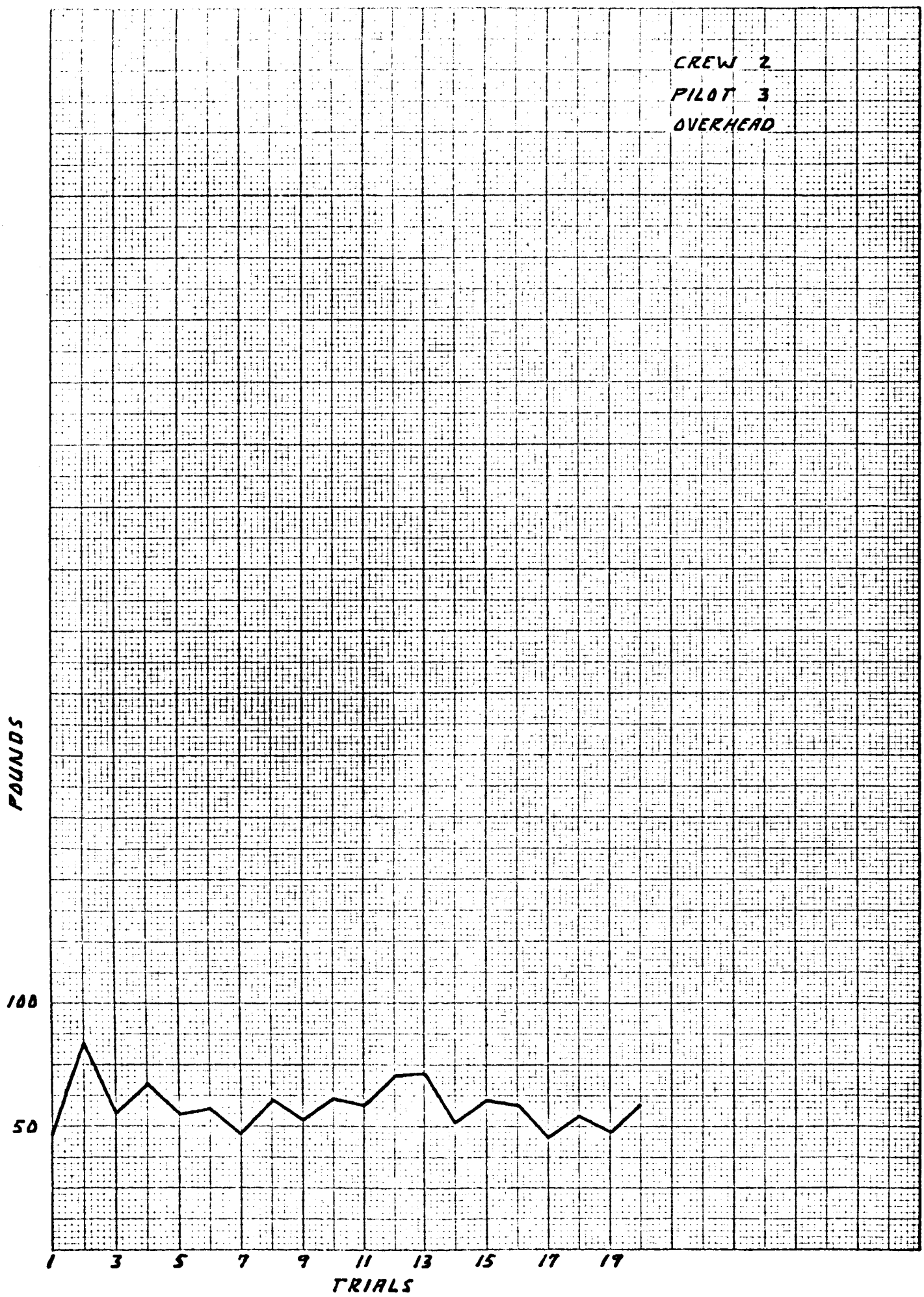
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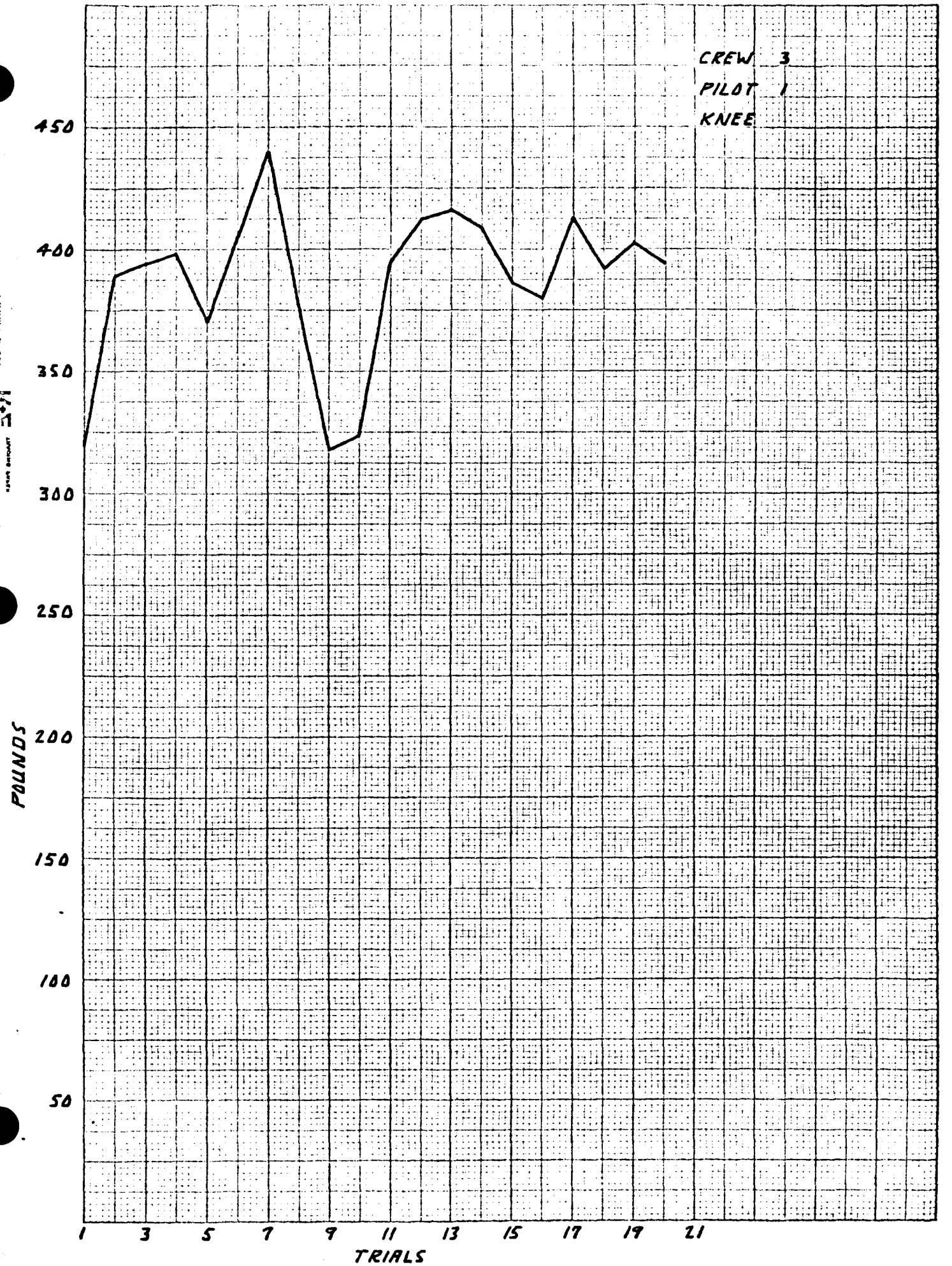
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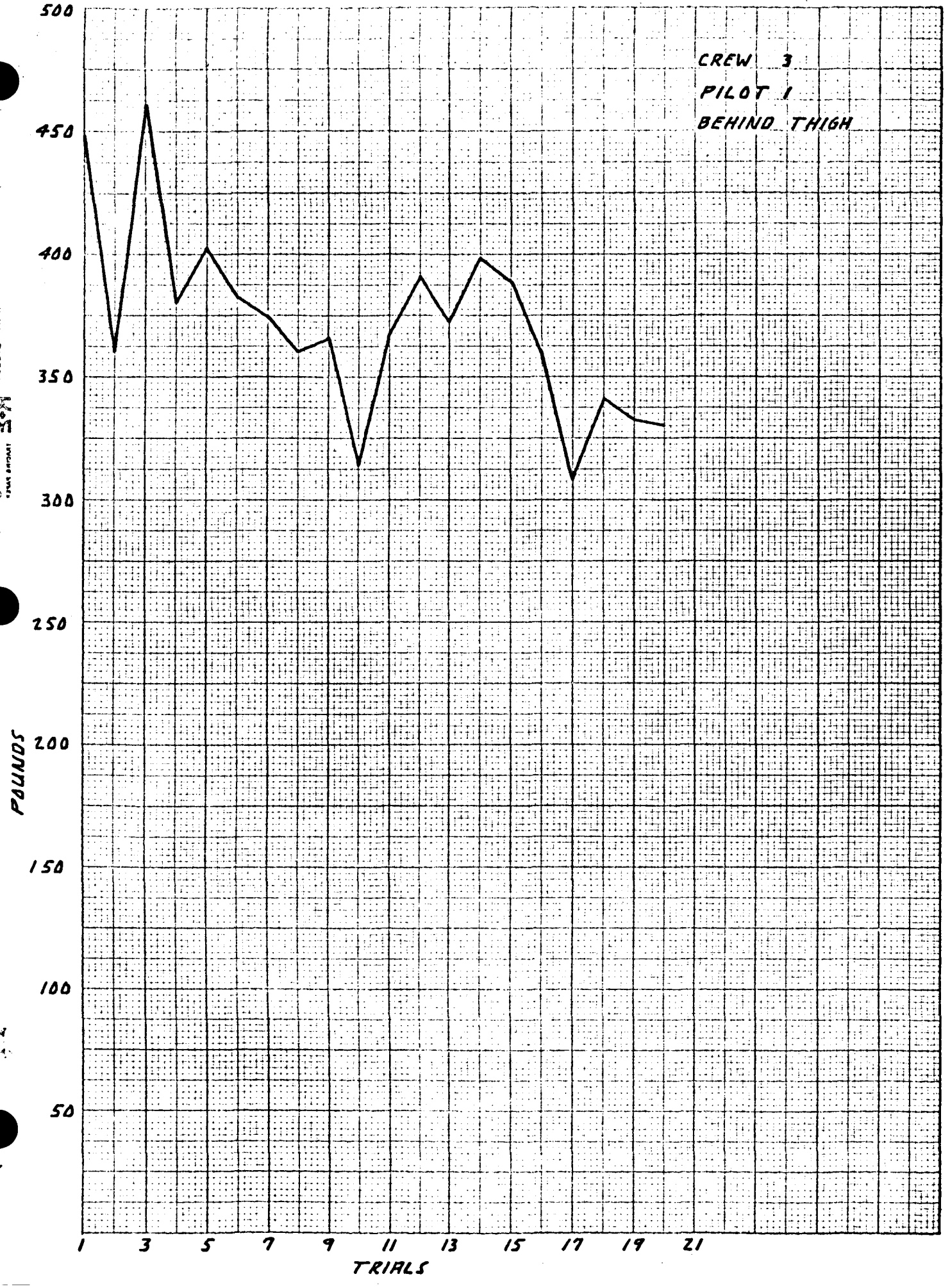
TRIALS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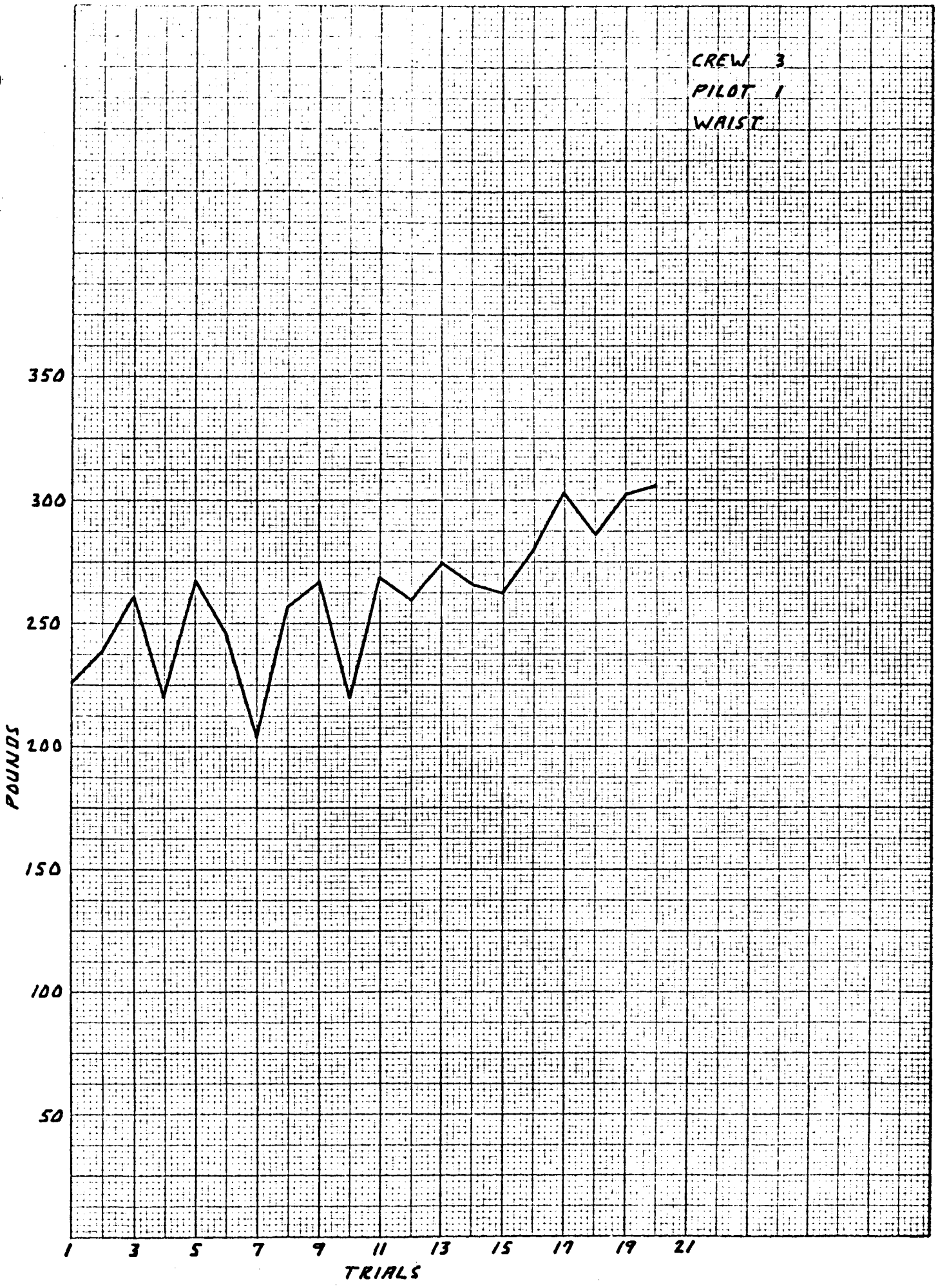
TRIALS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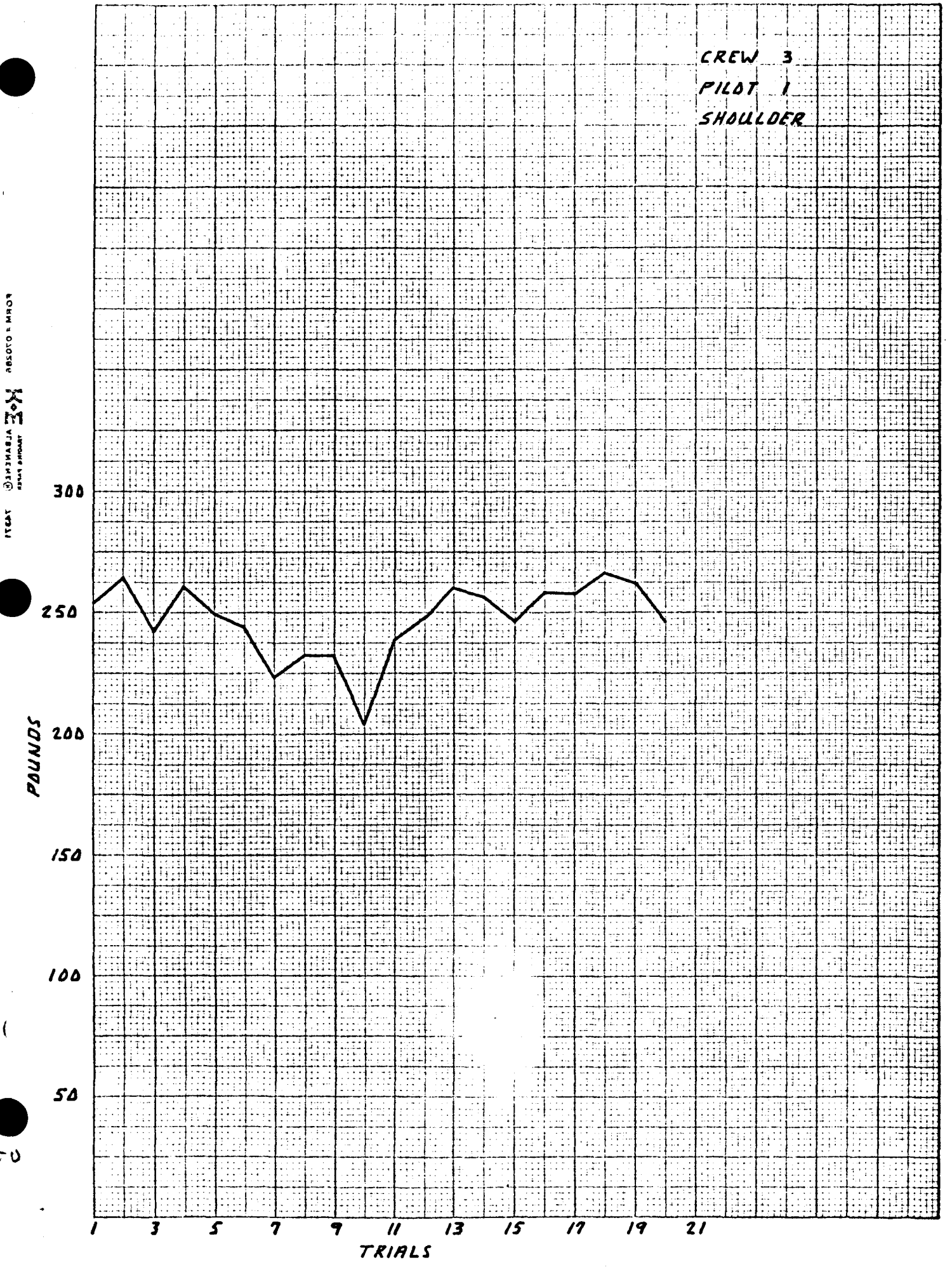
TRIALS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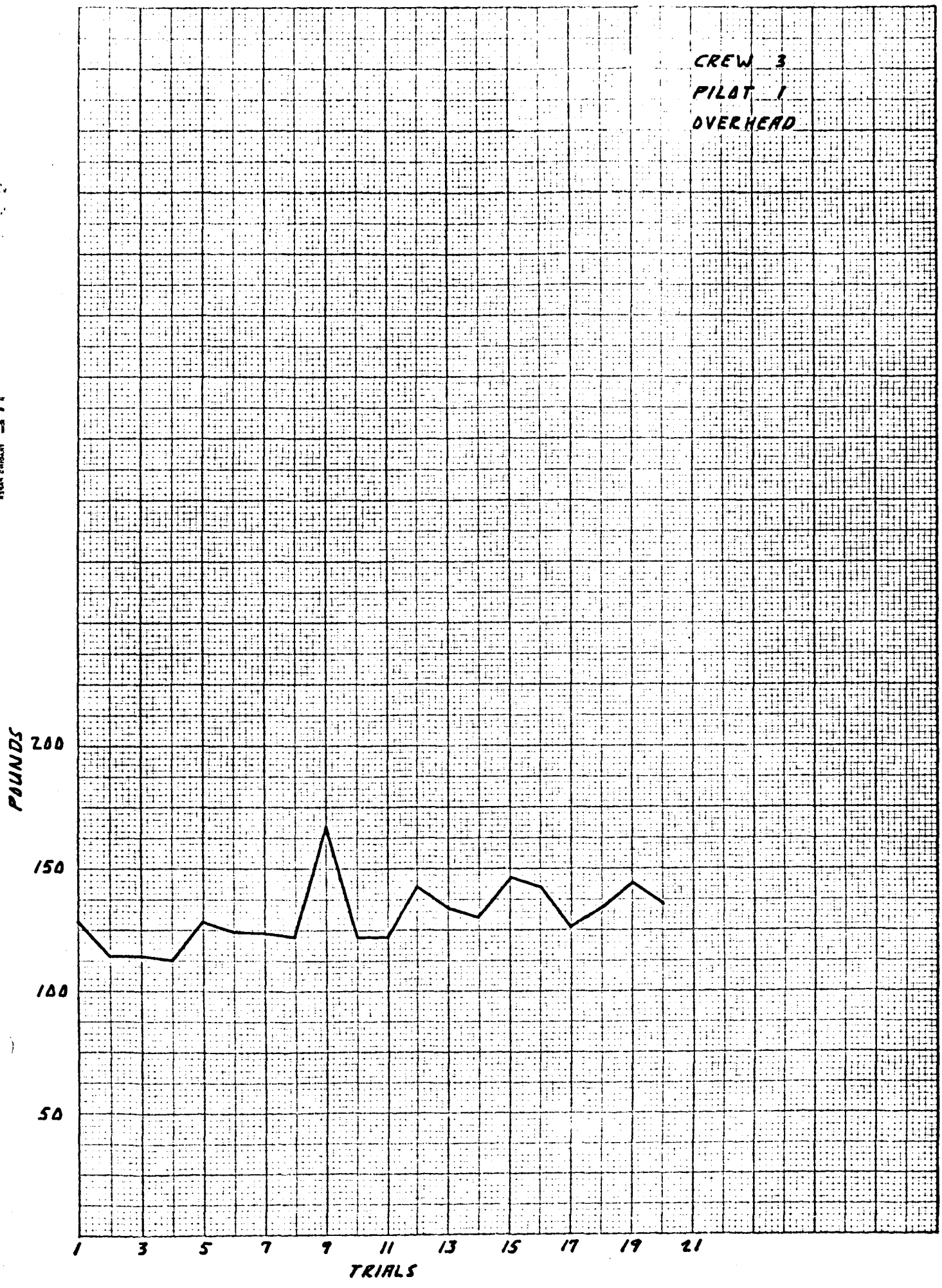
TRIALS


CREW 3
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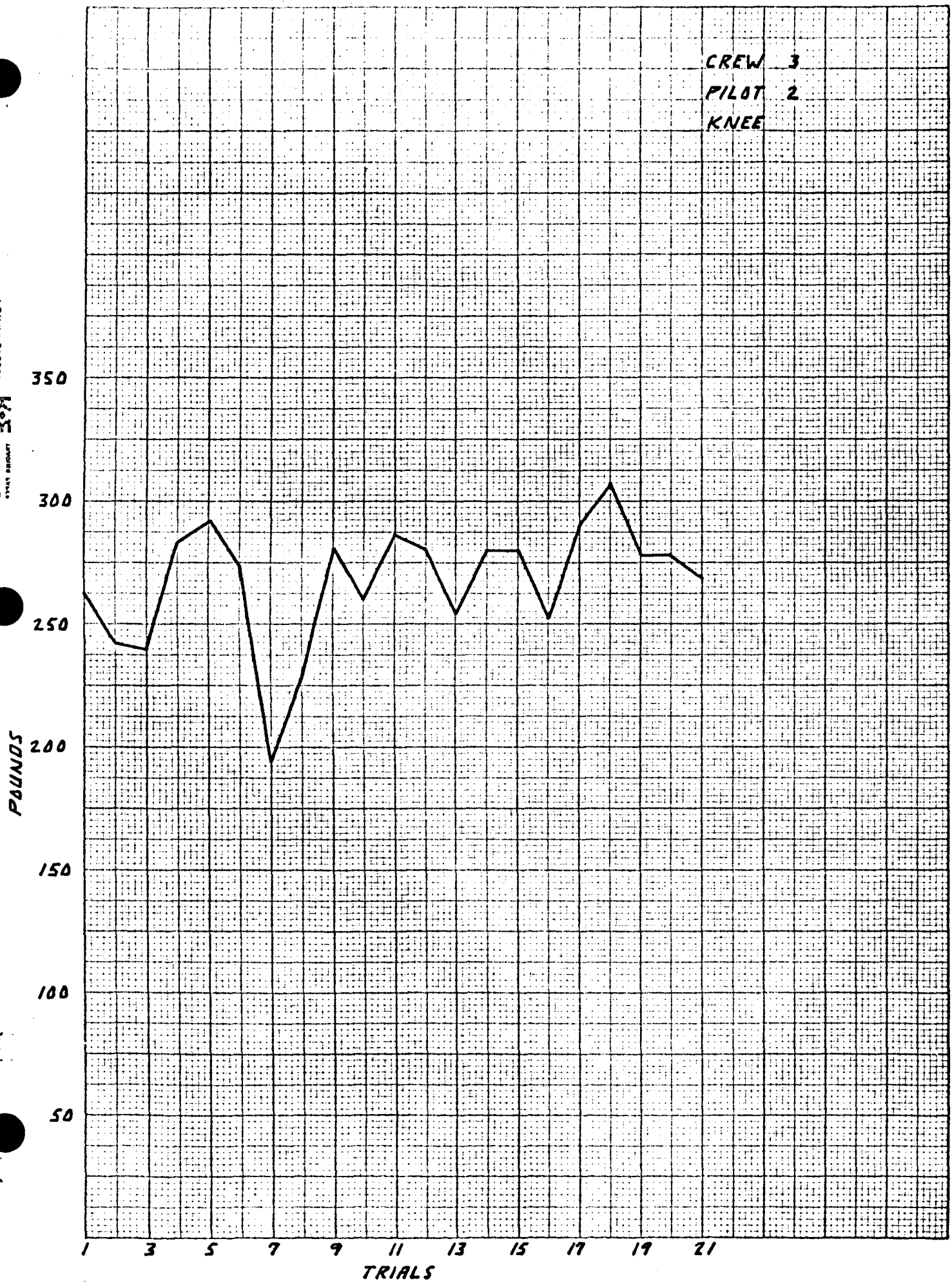
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TRIALS

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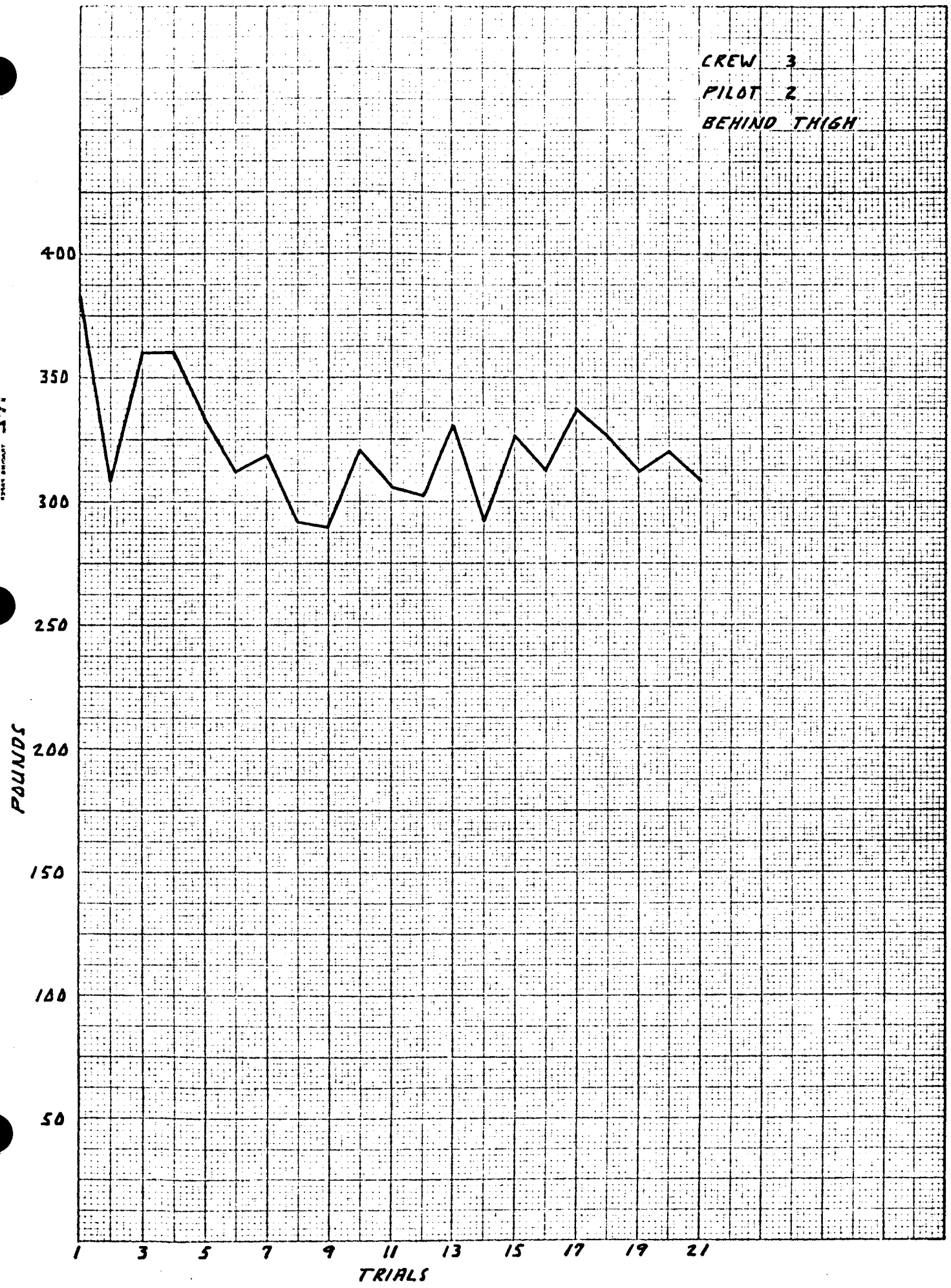
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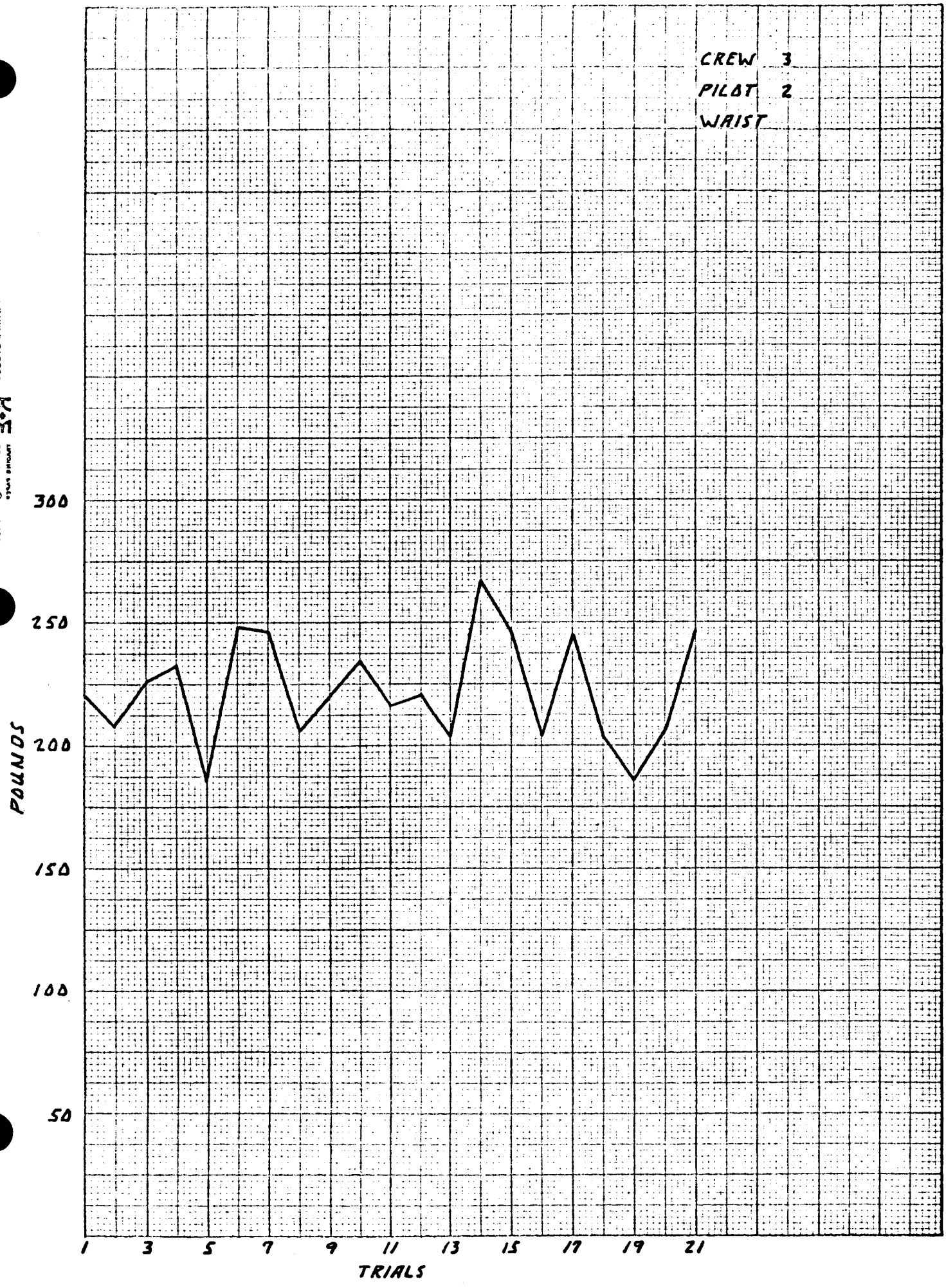
TRIALS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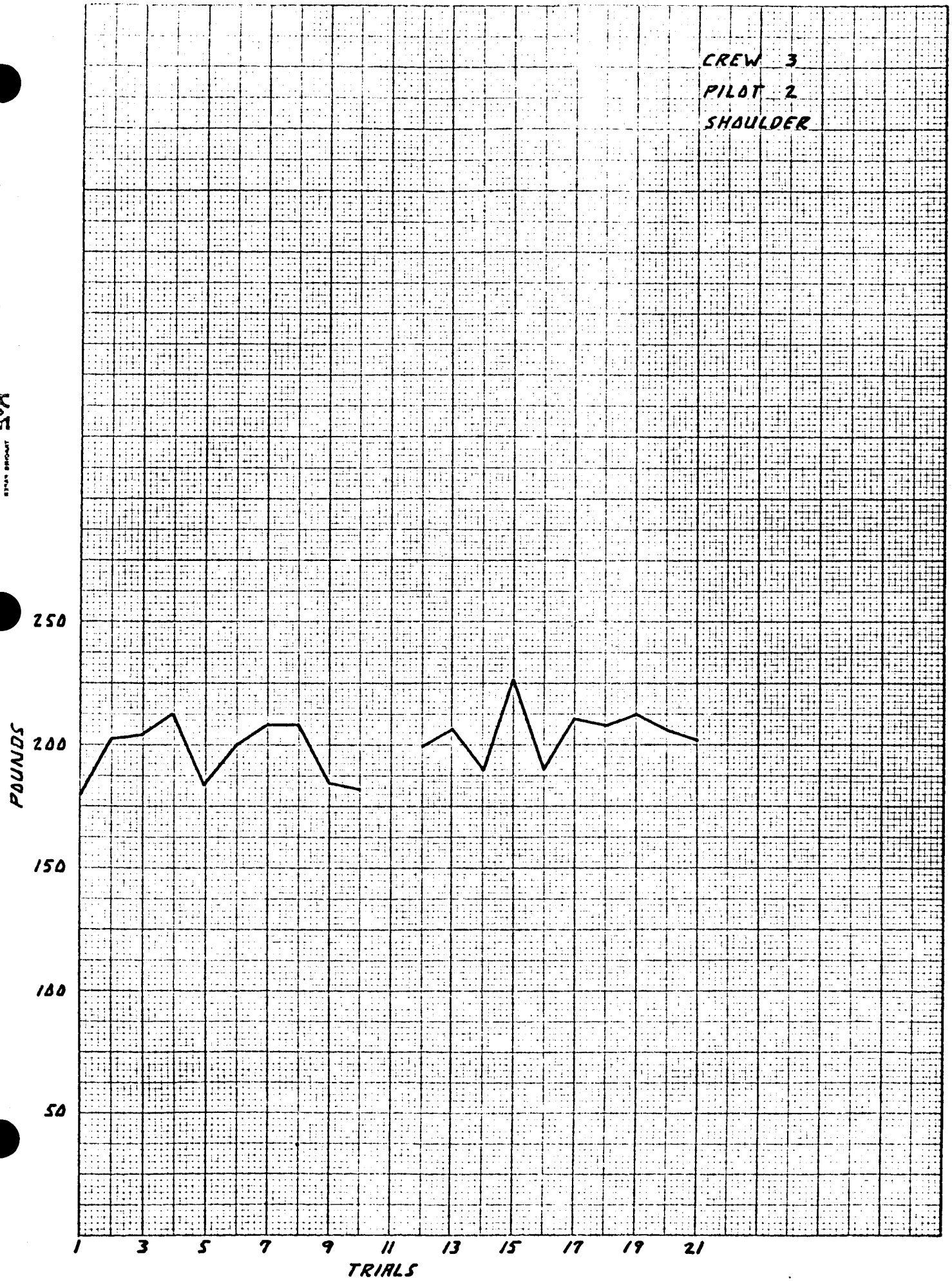
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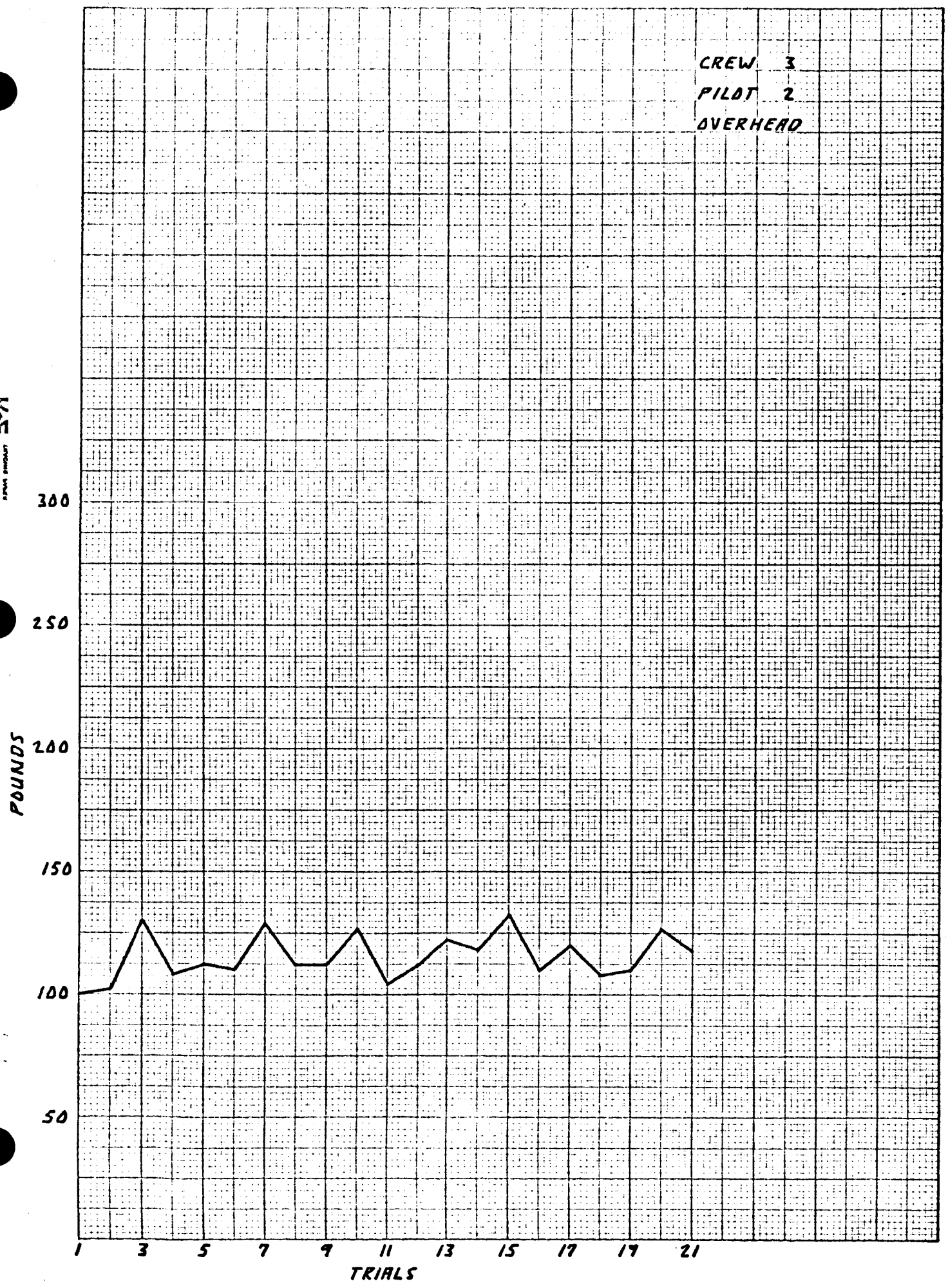
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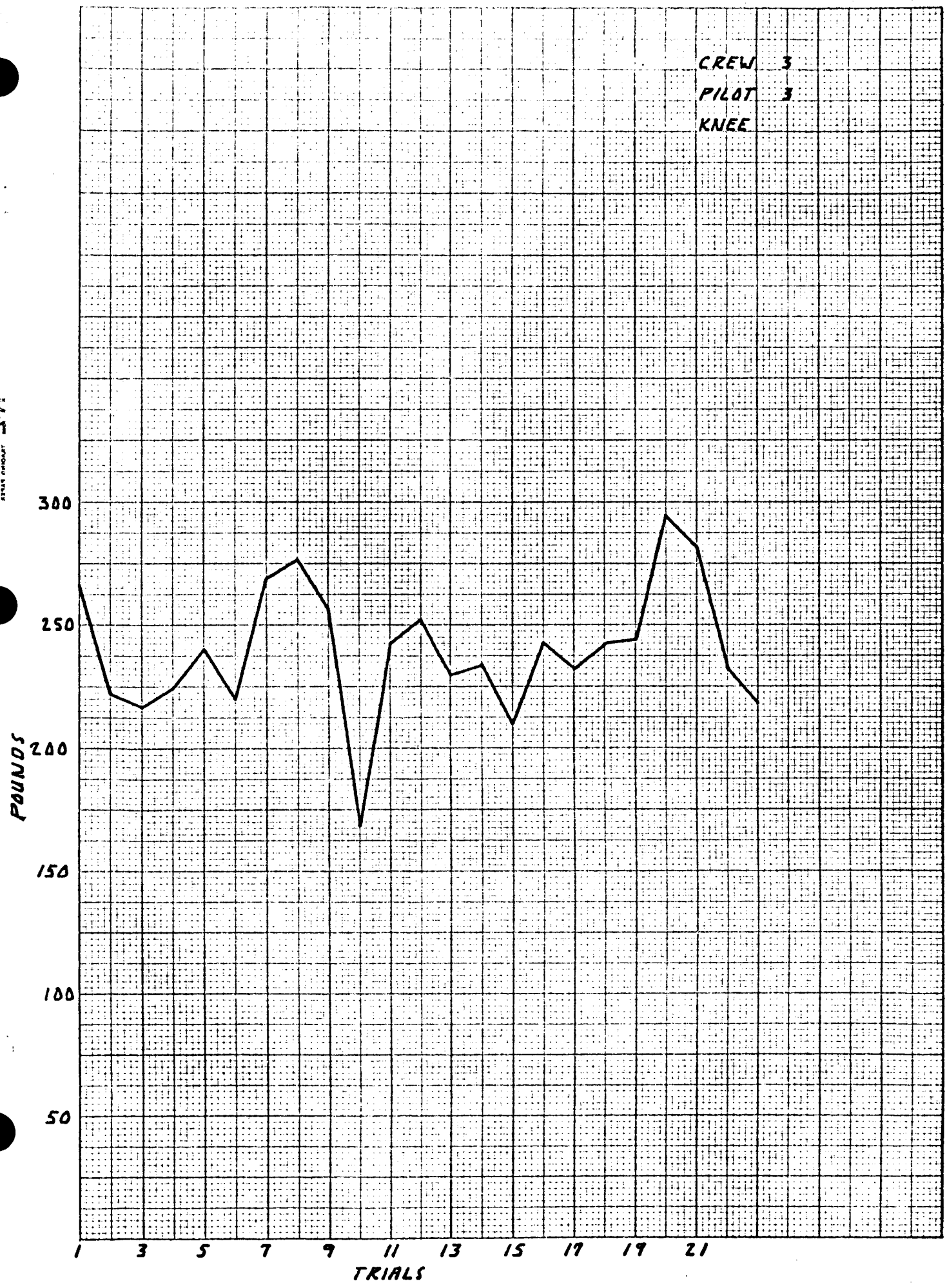
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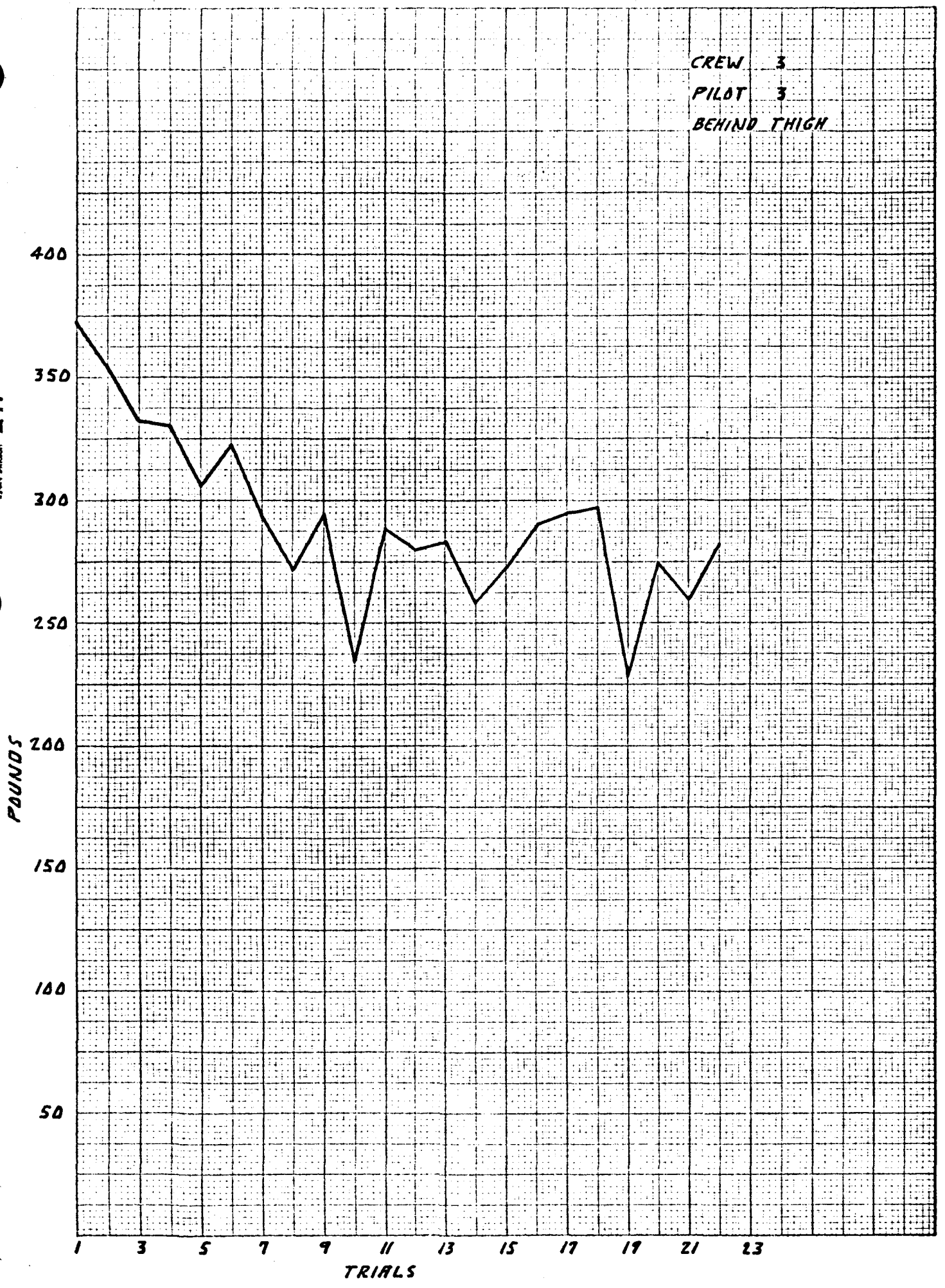
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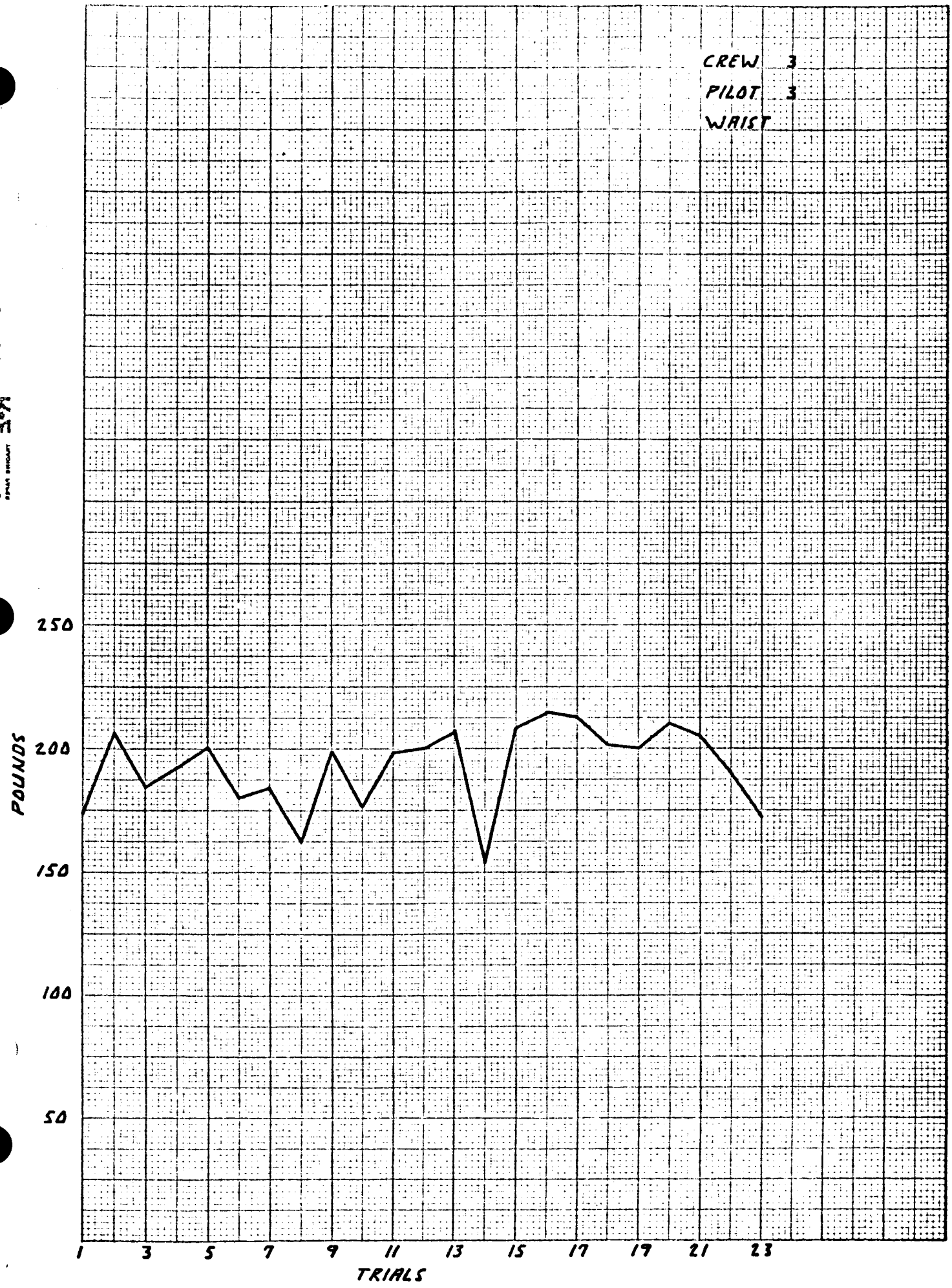
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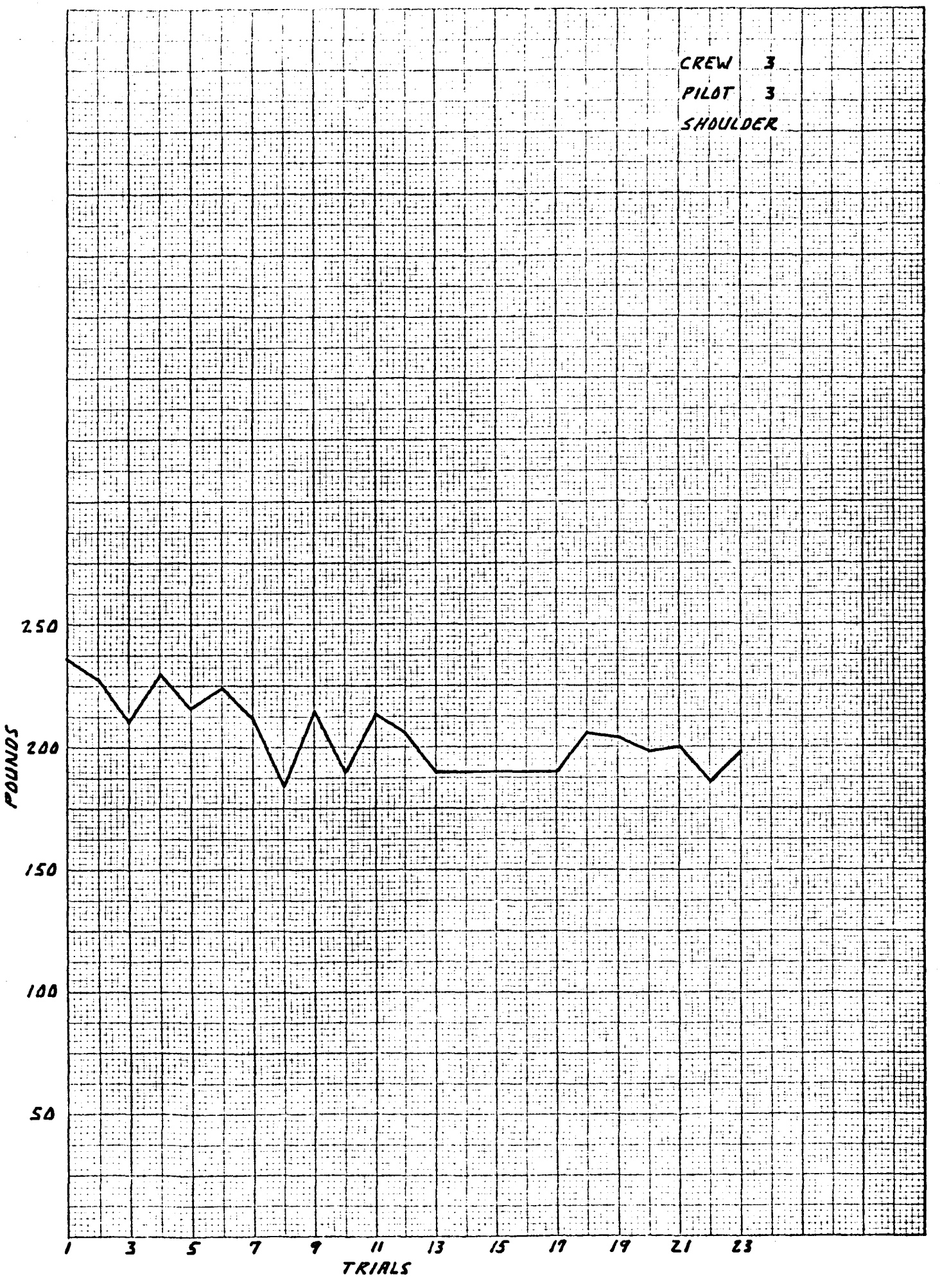
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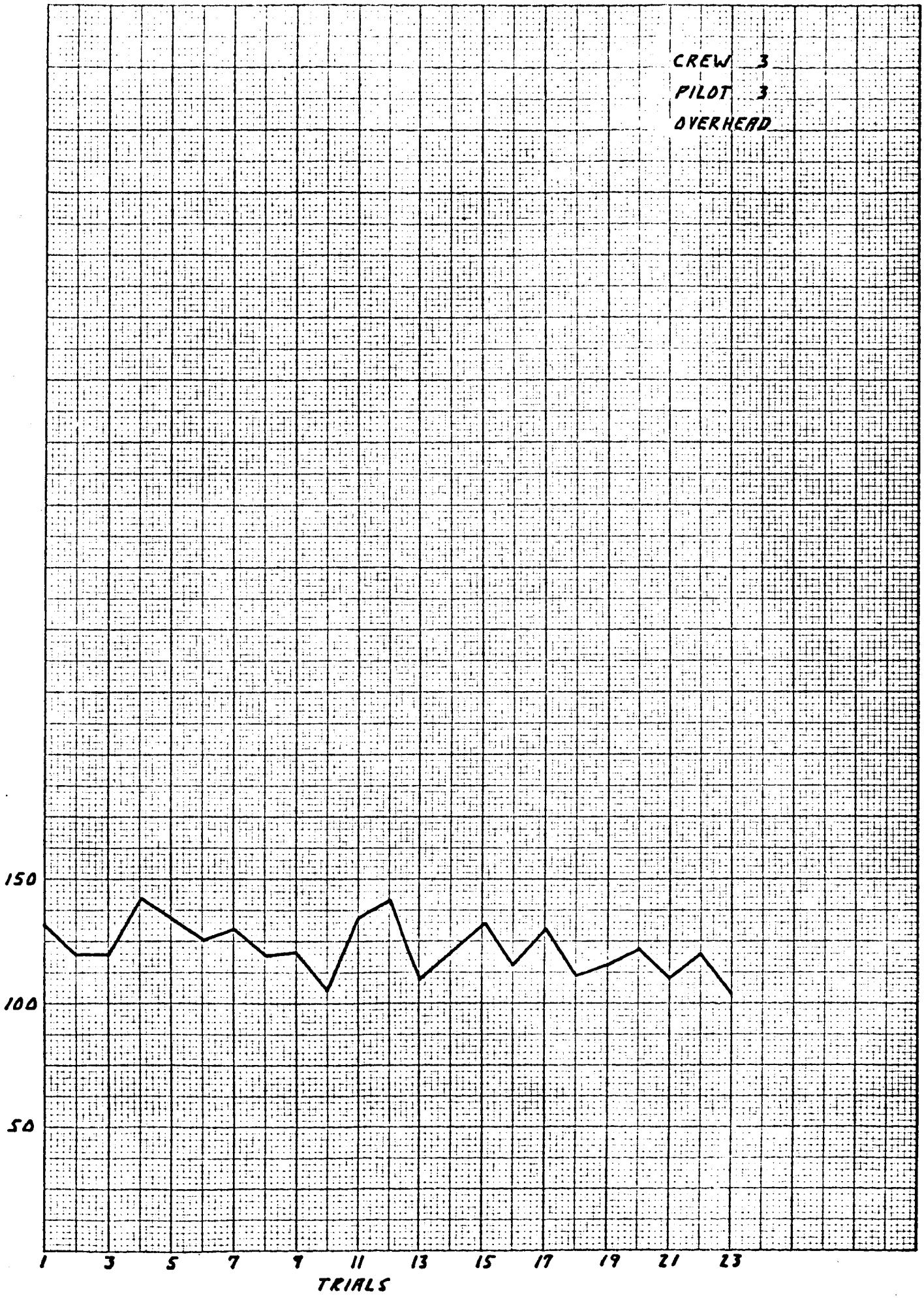
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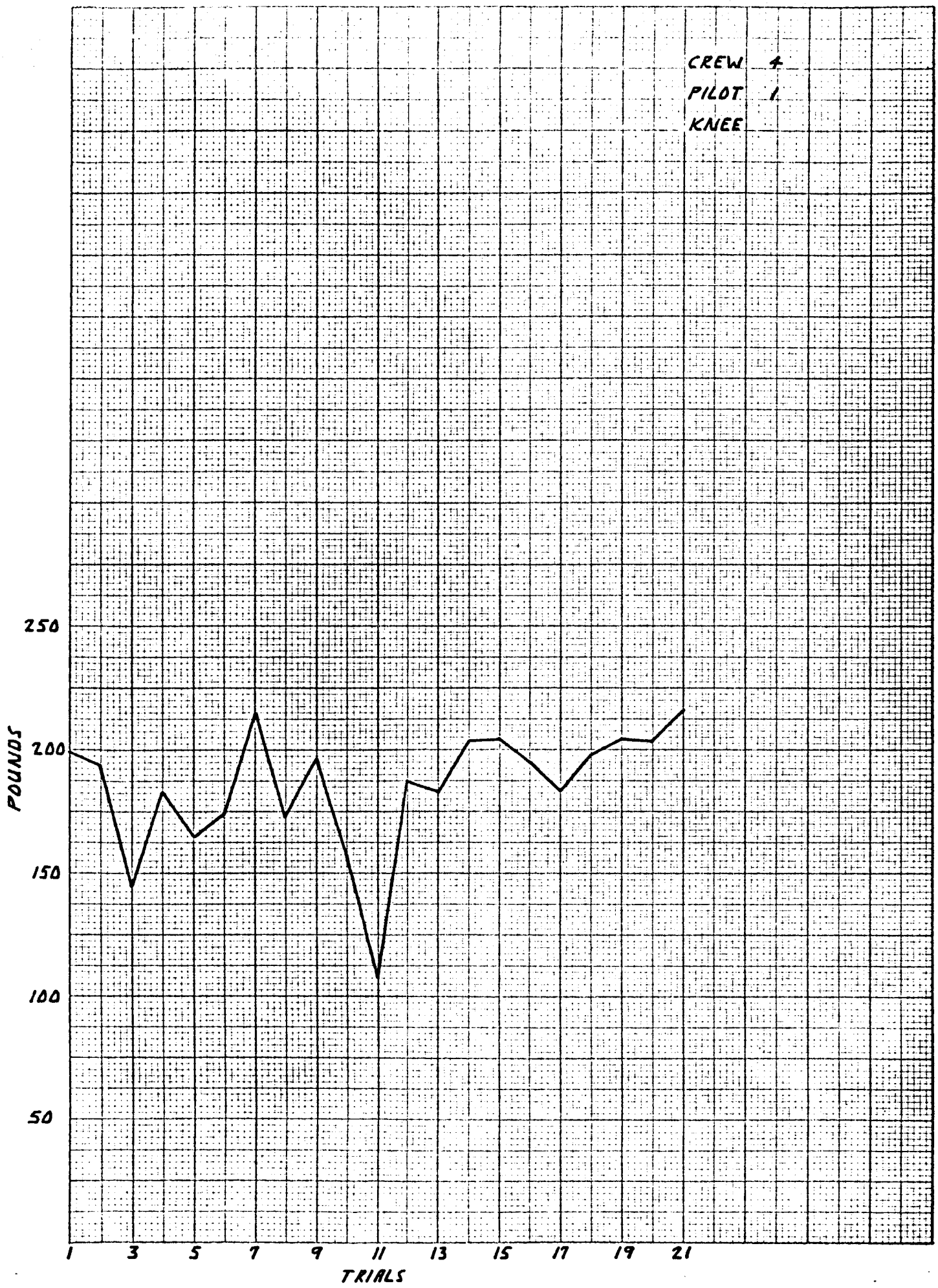
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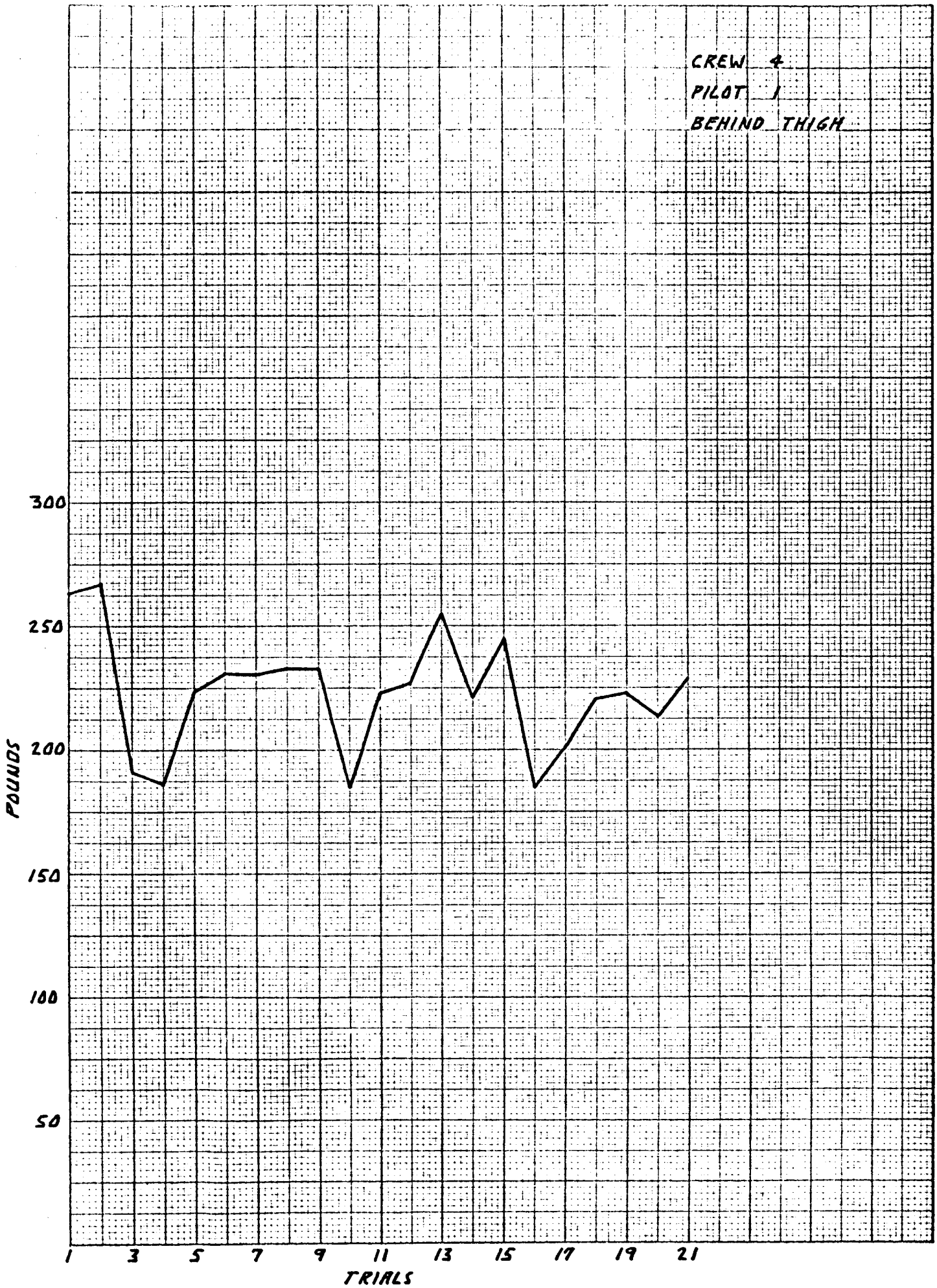
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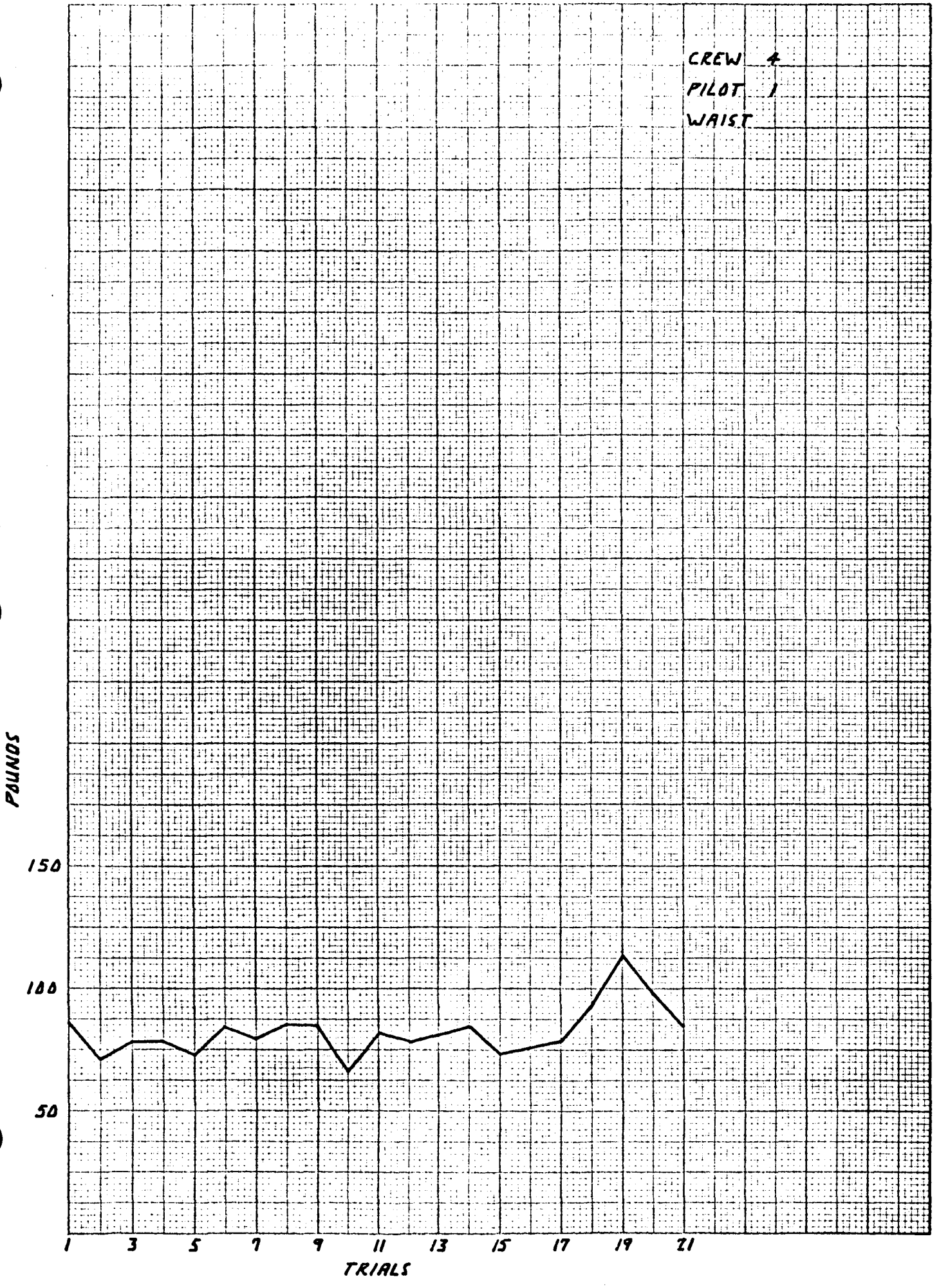
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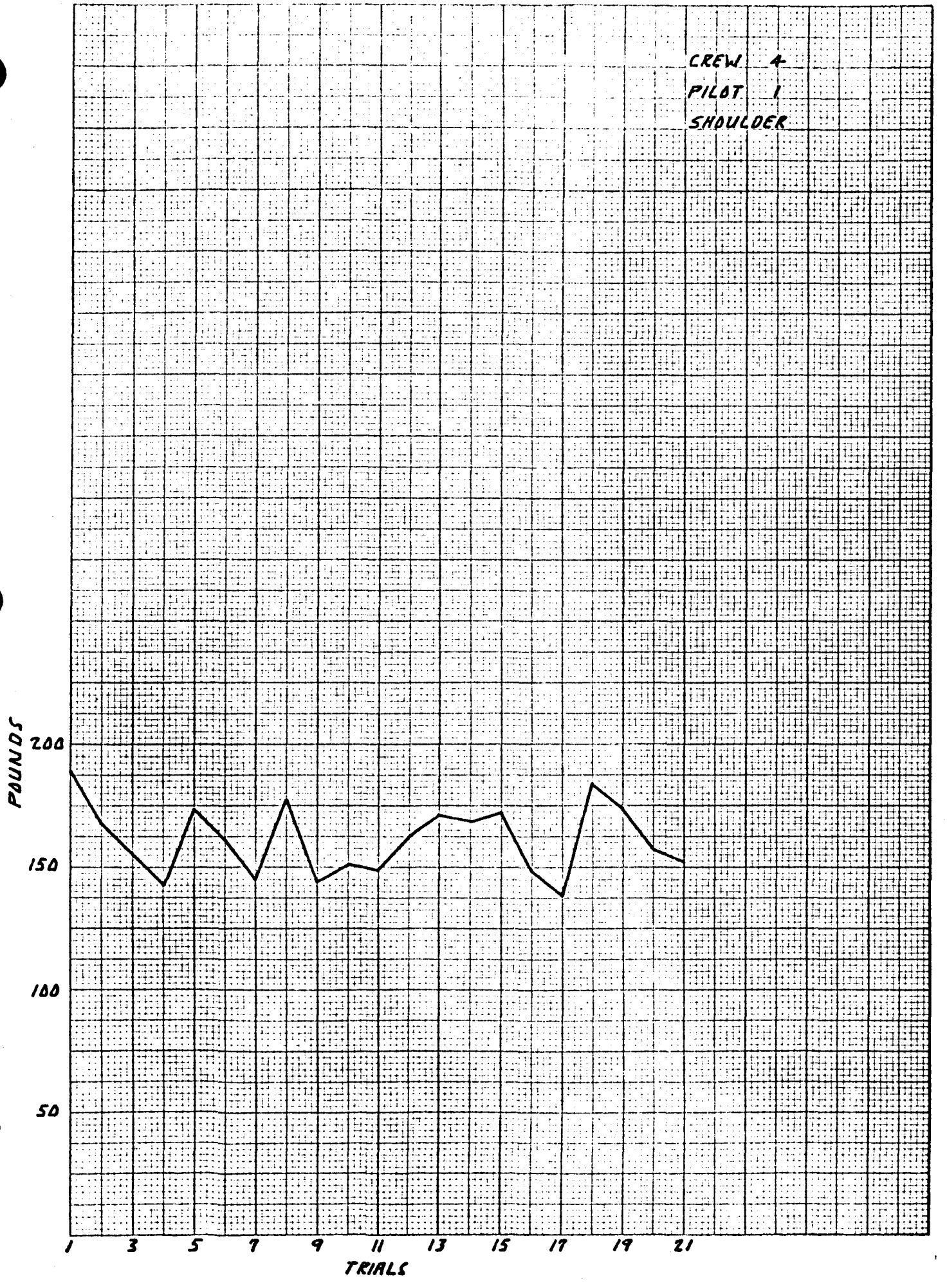
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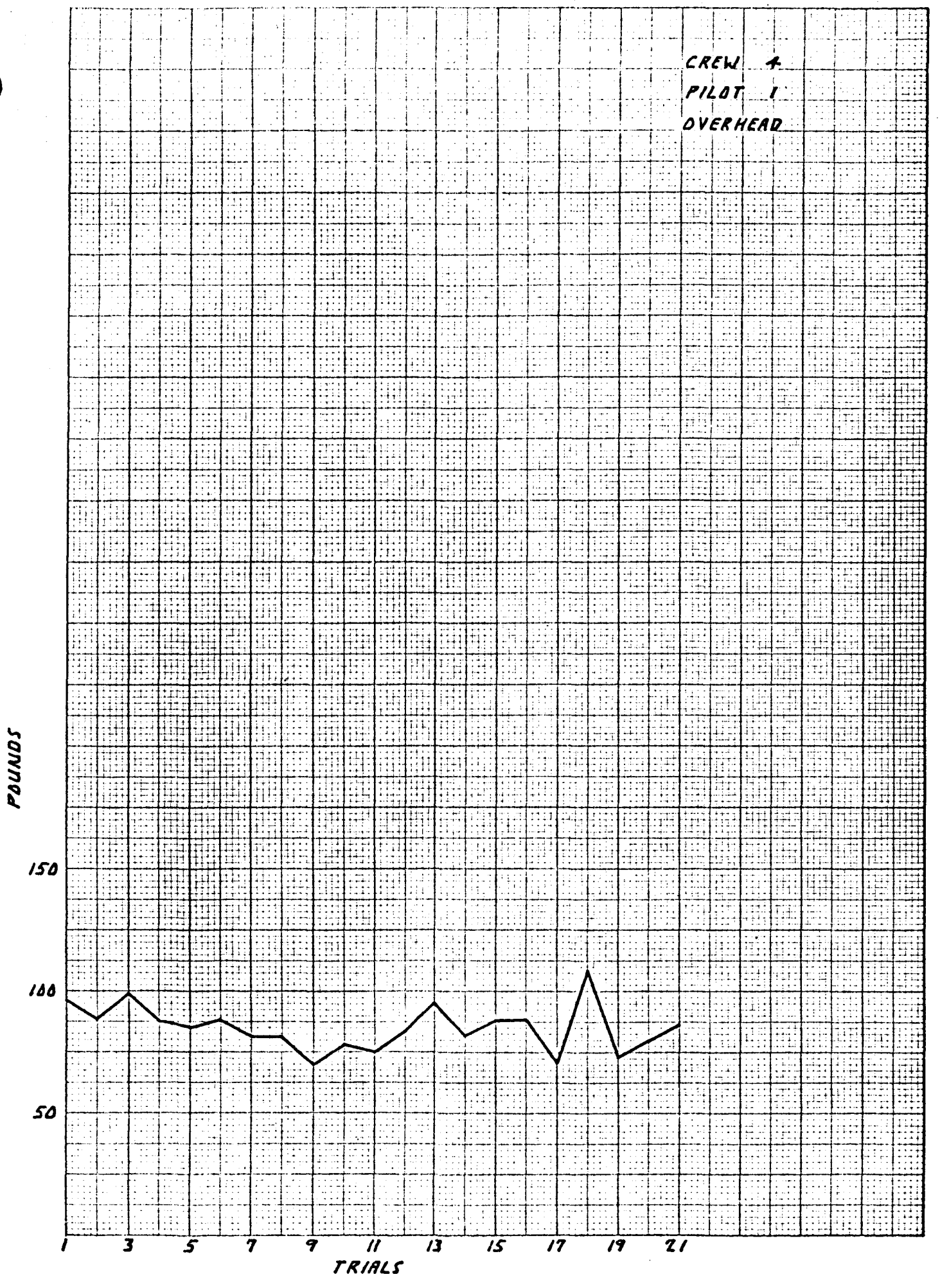
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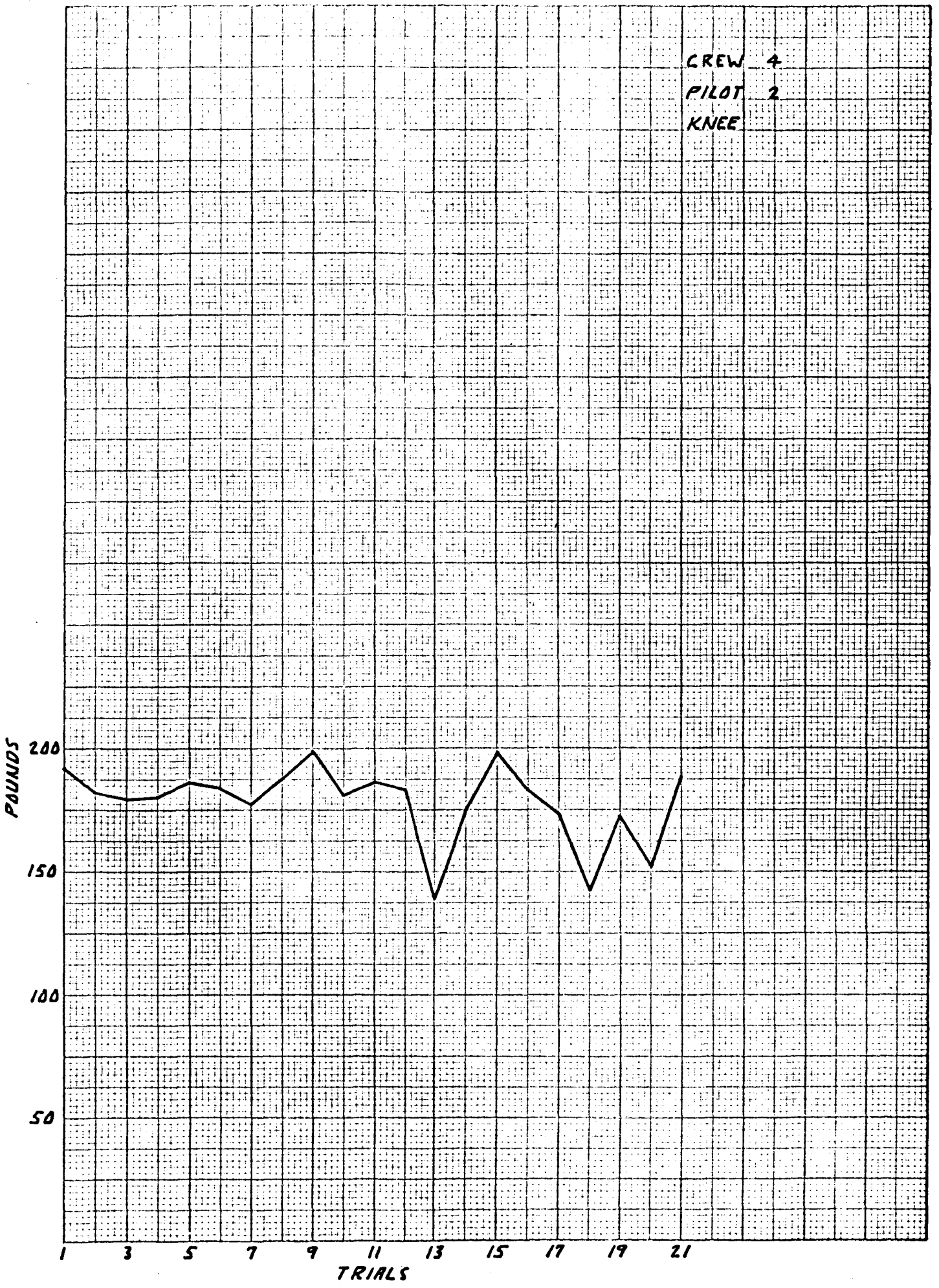
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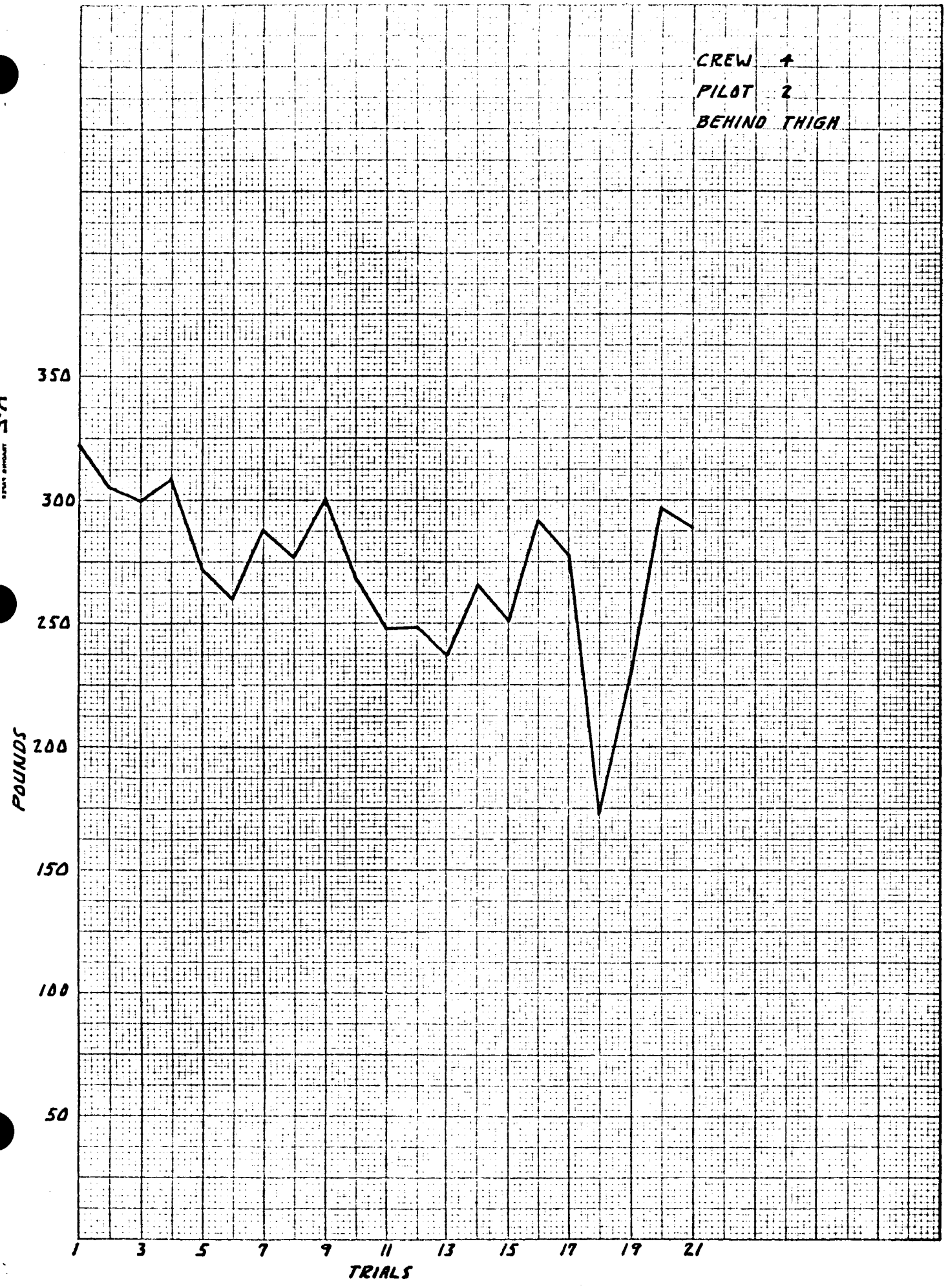
TRIALS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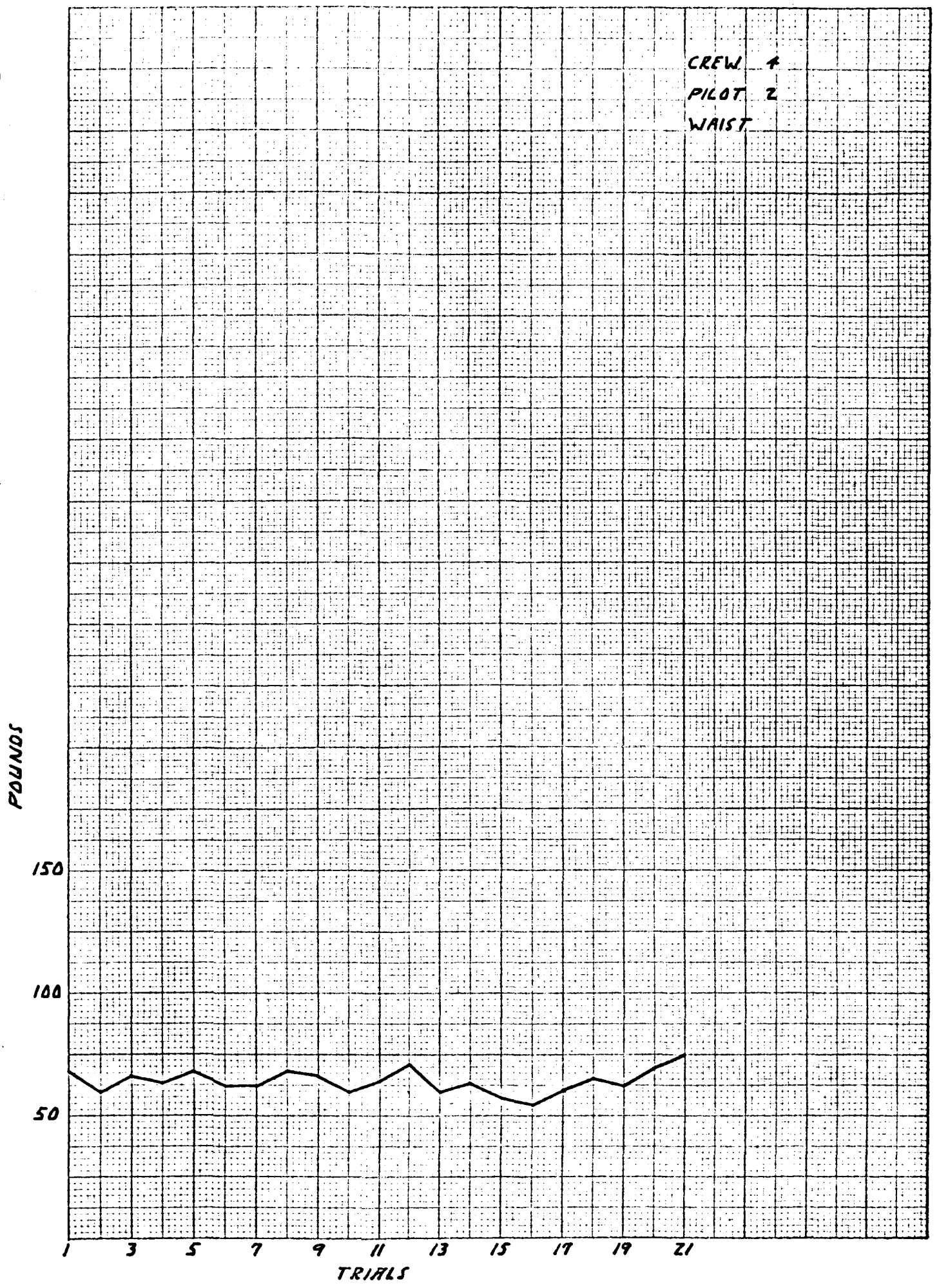
TRIALS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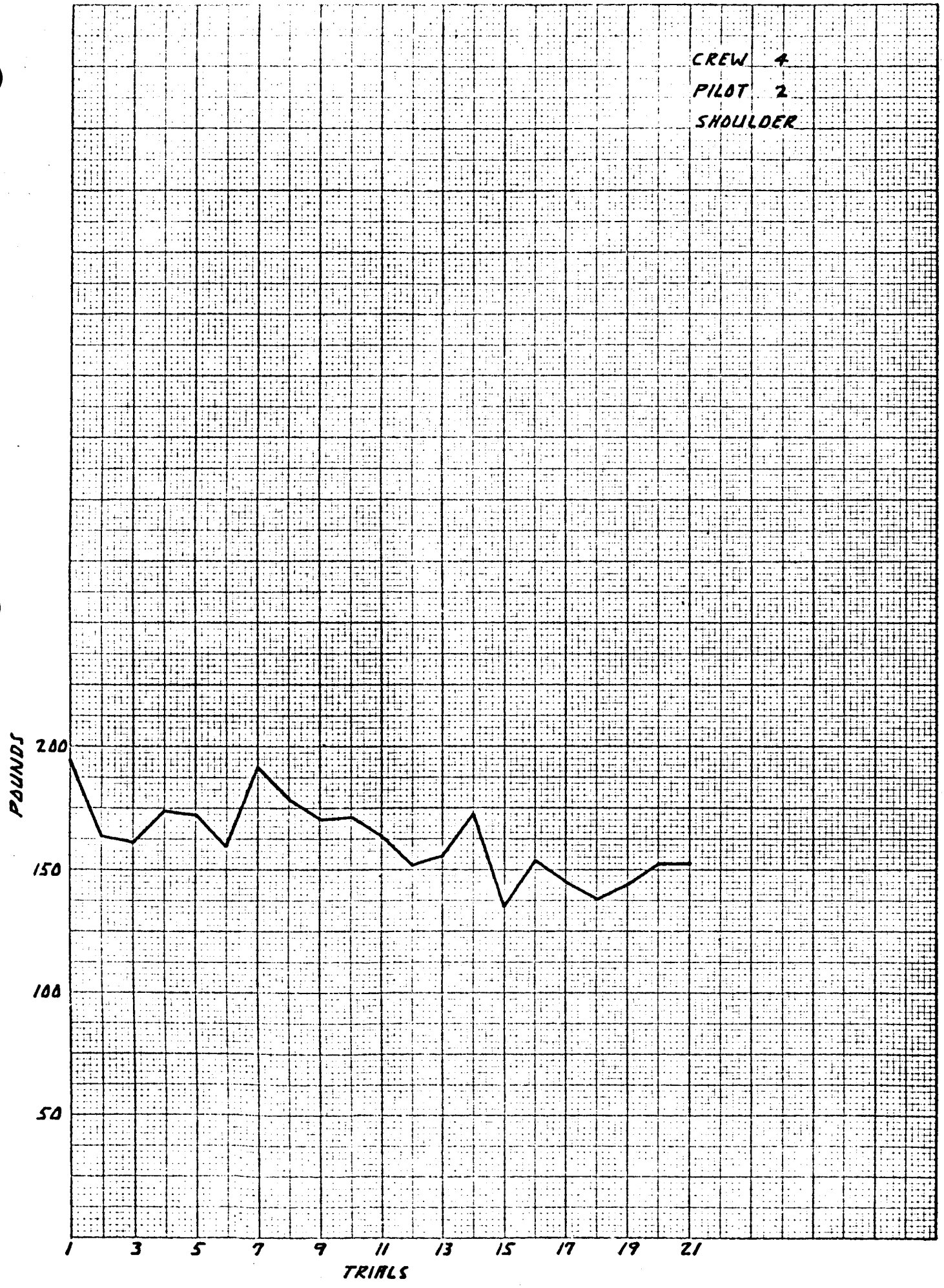
TRIALS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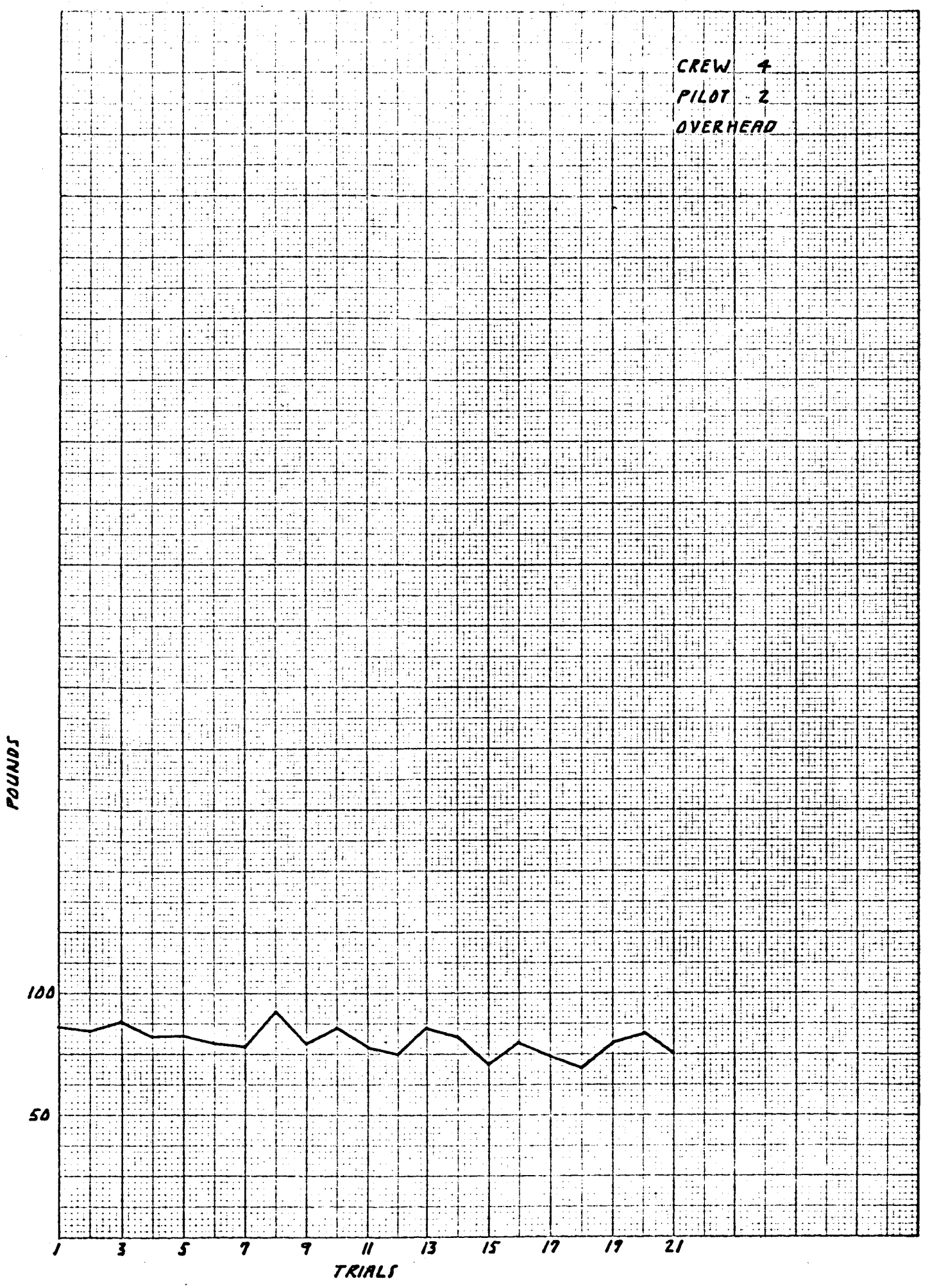
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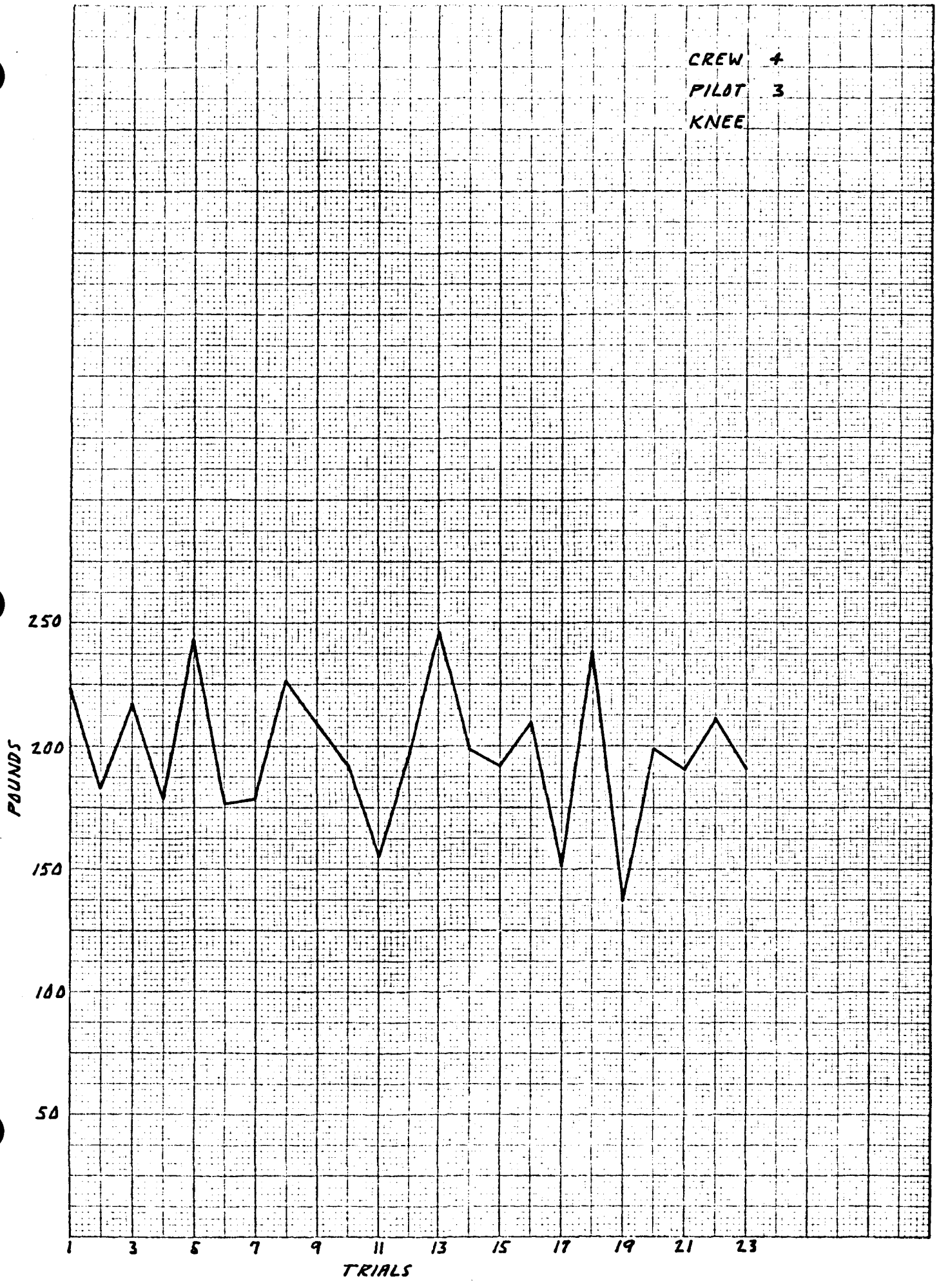
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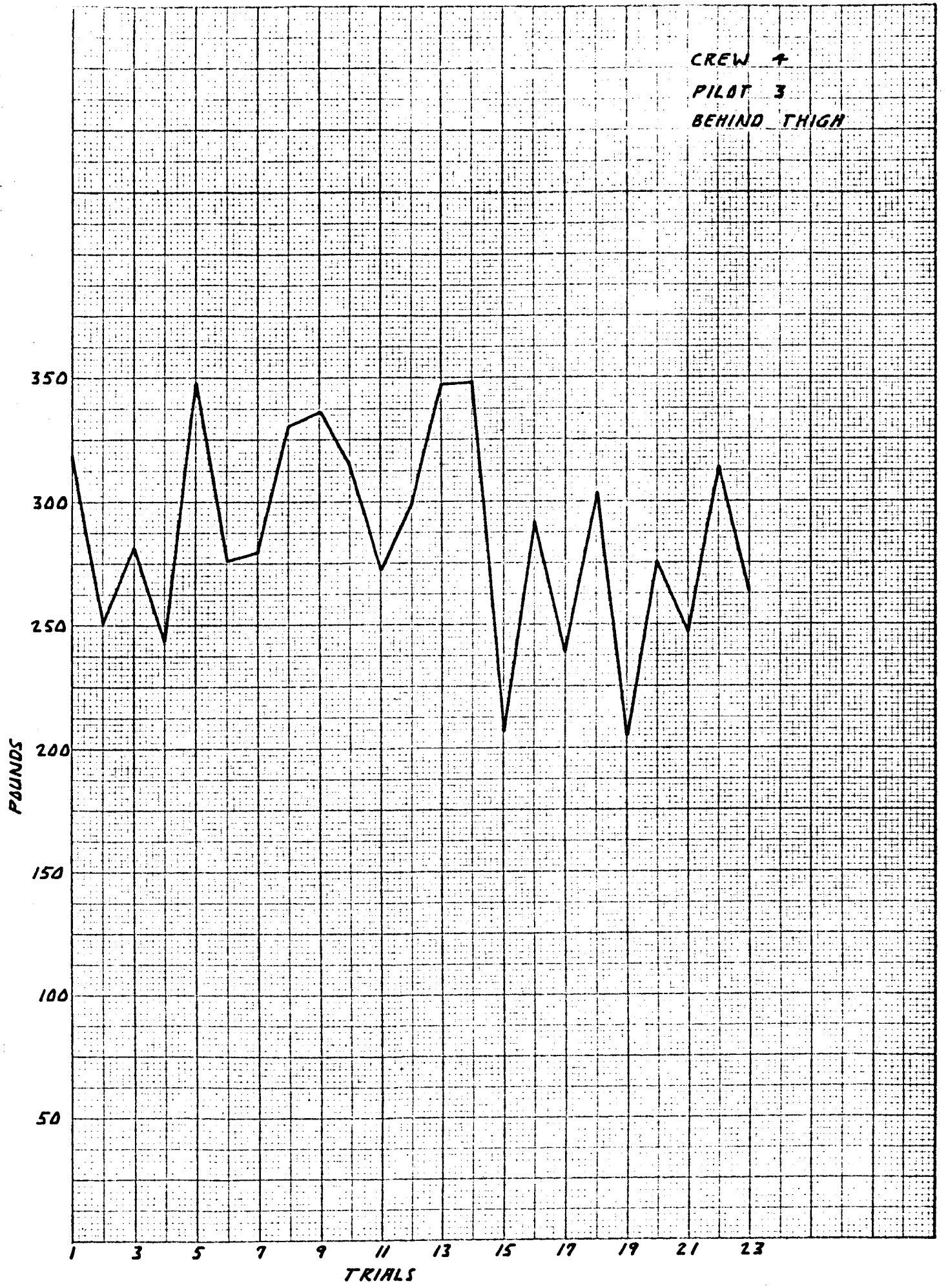
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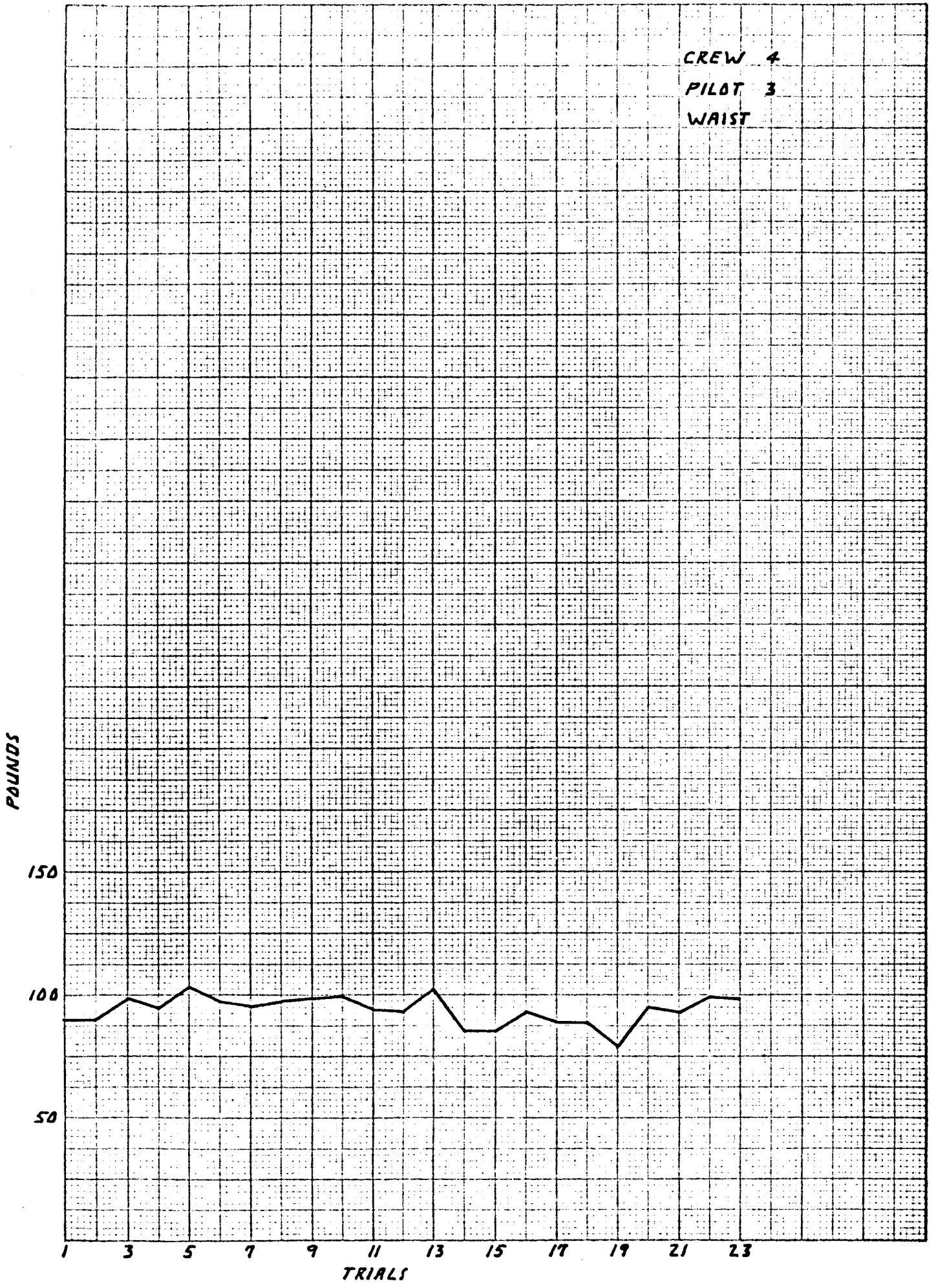
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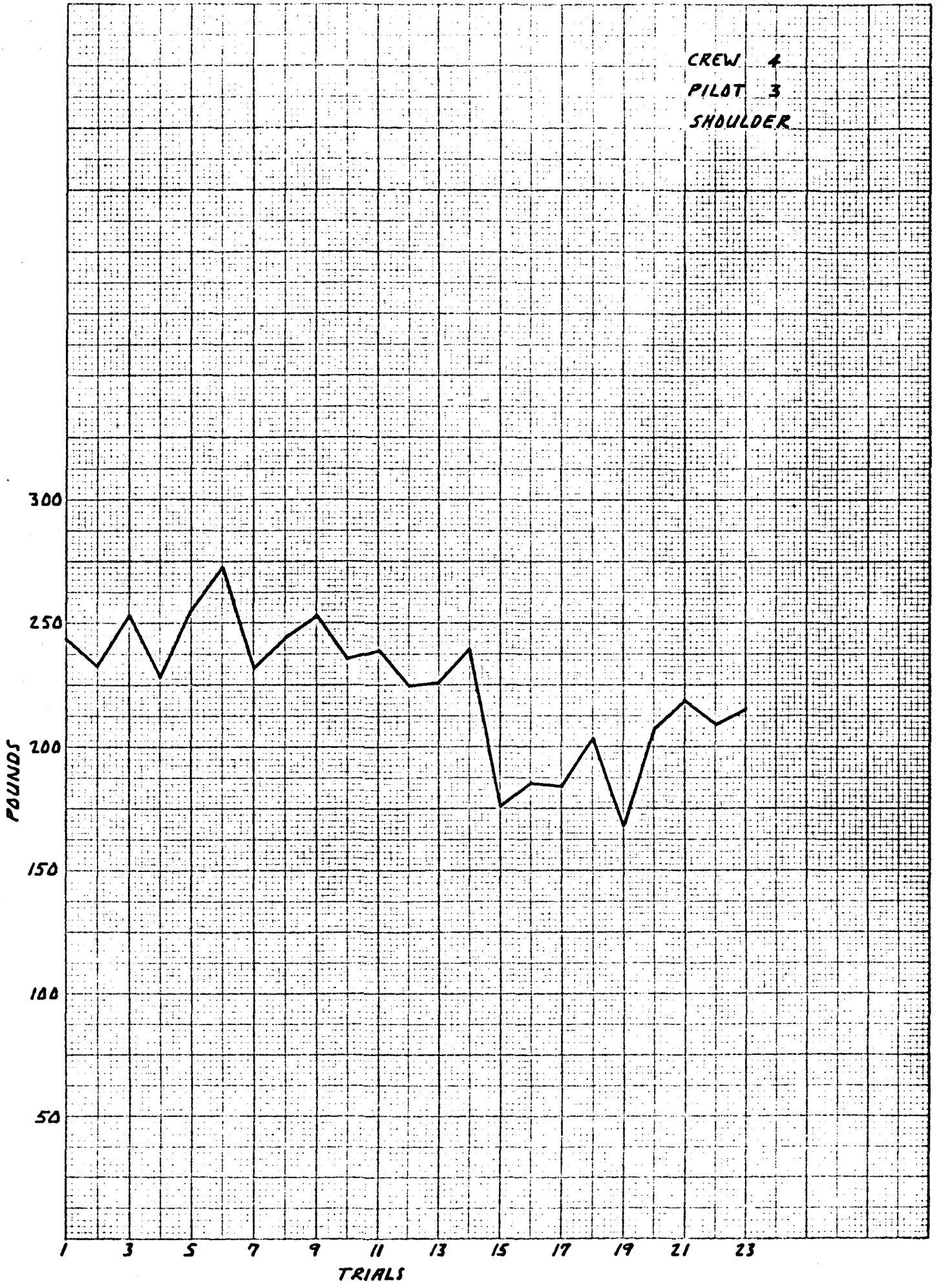
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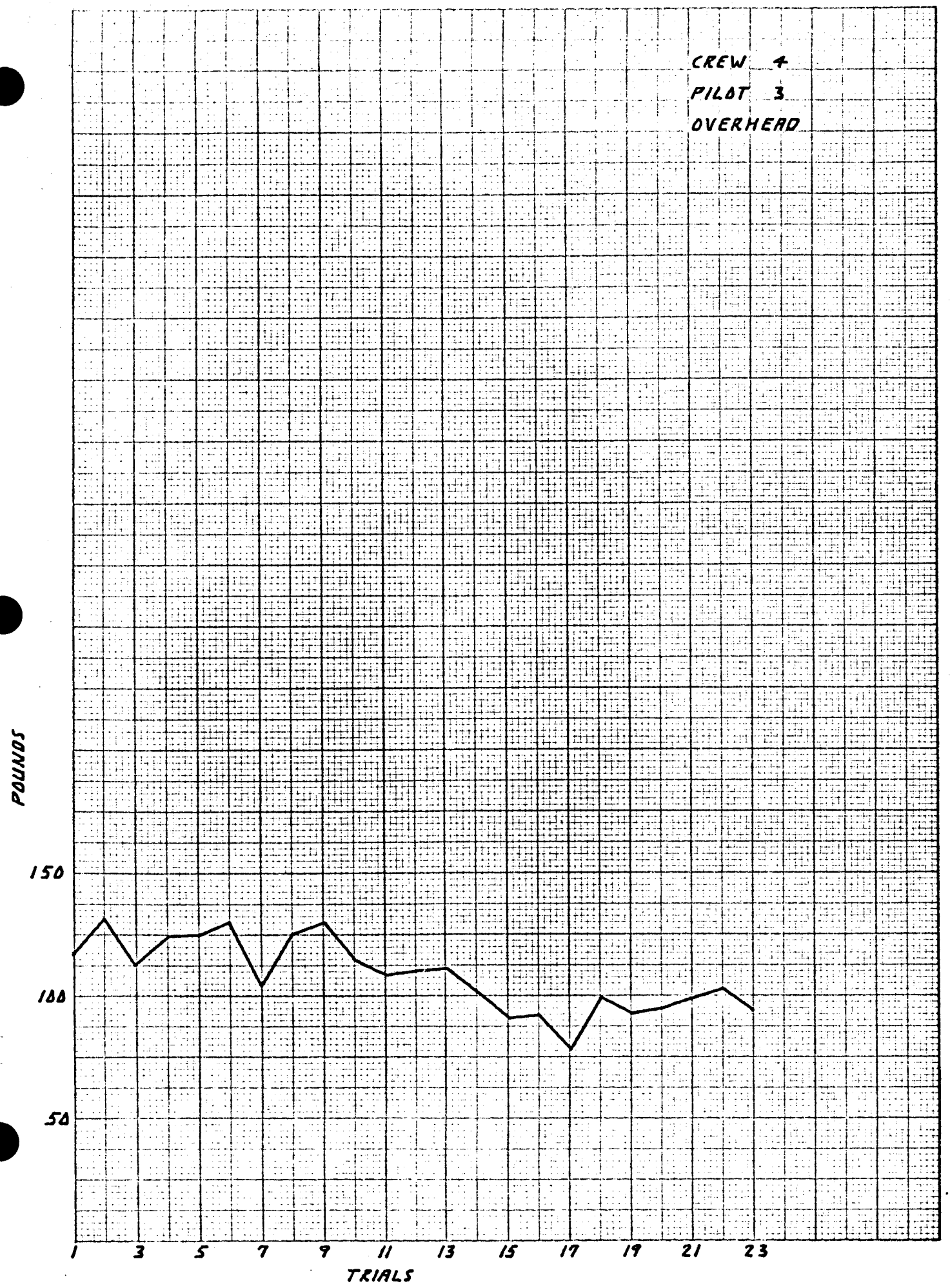
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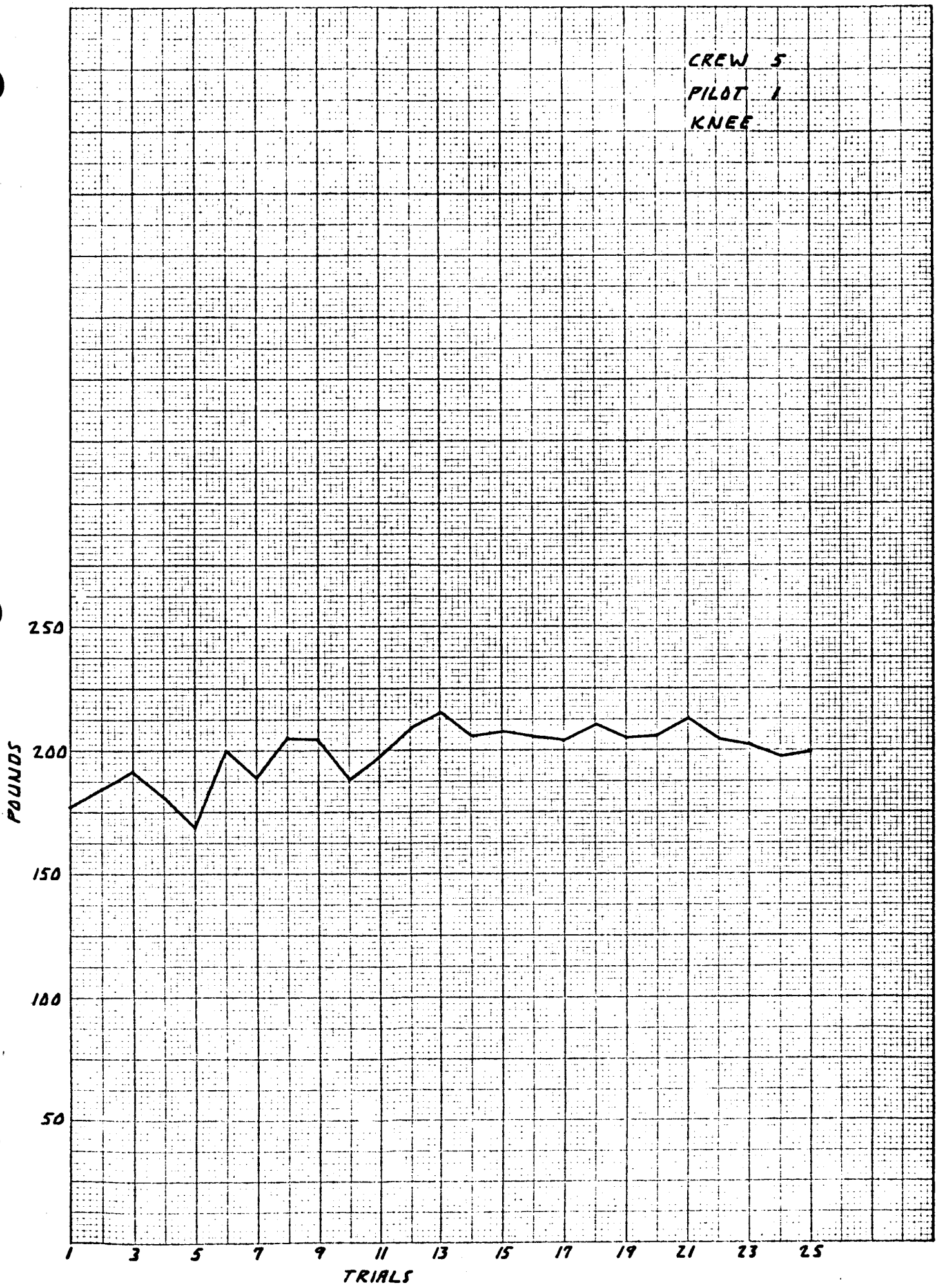
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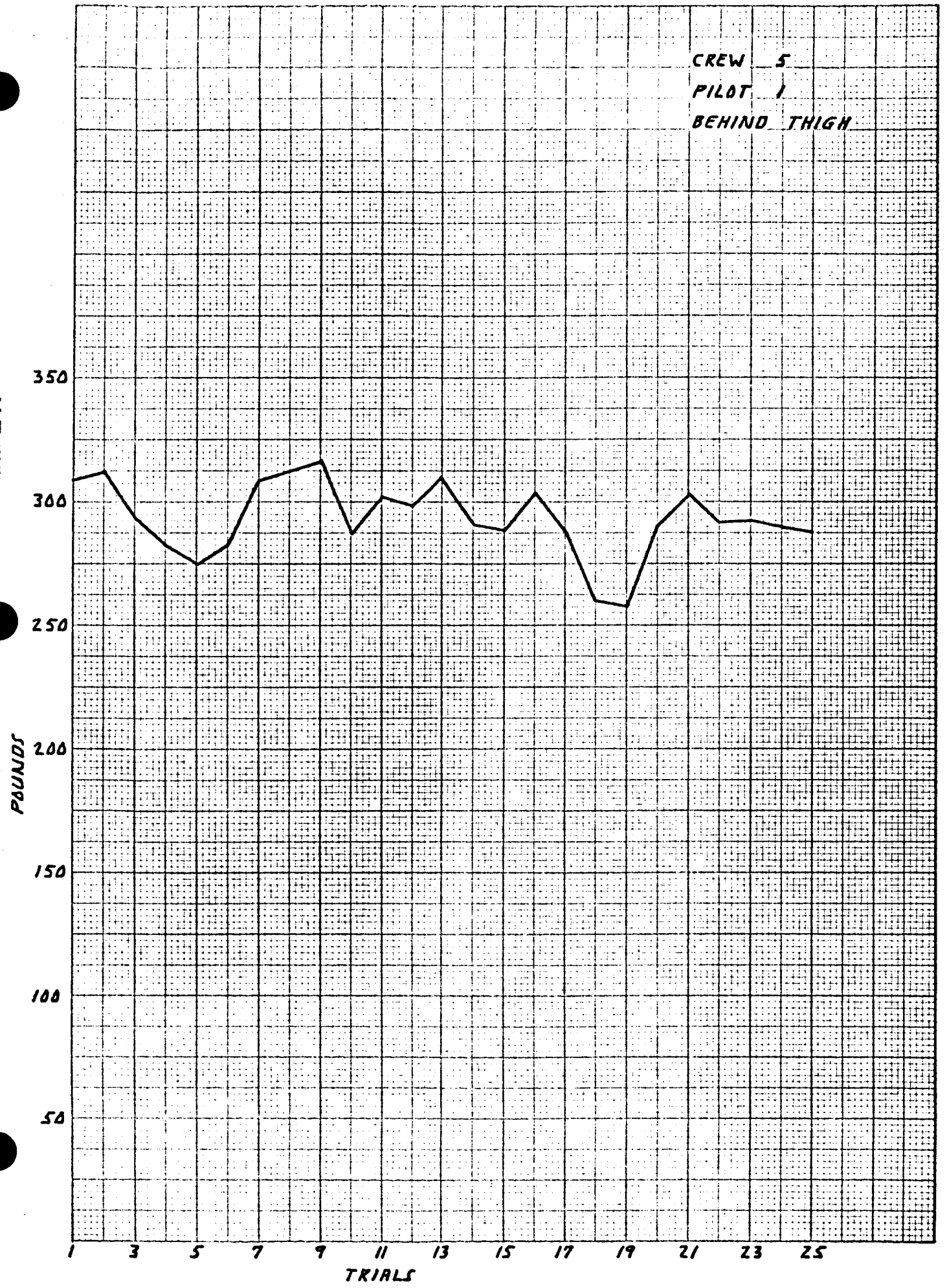
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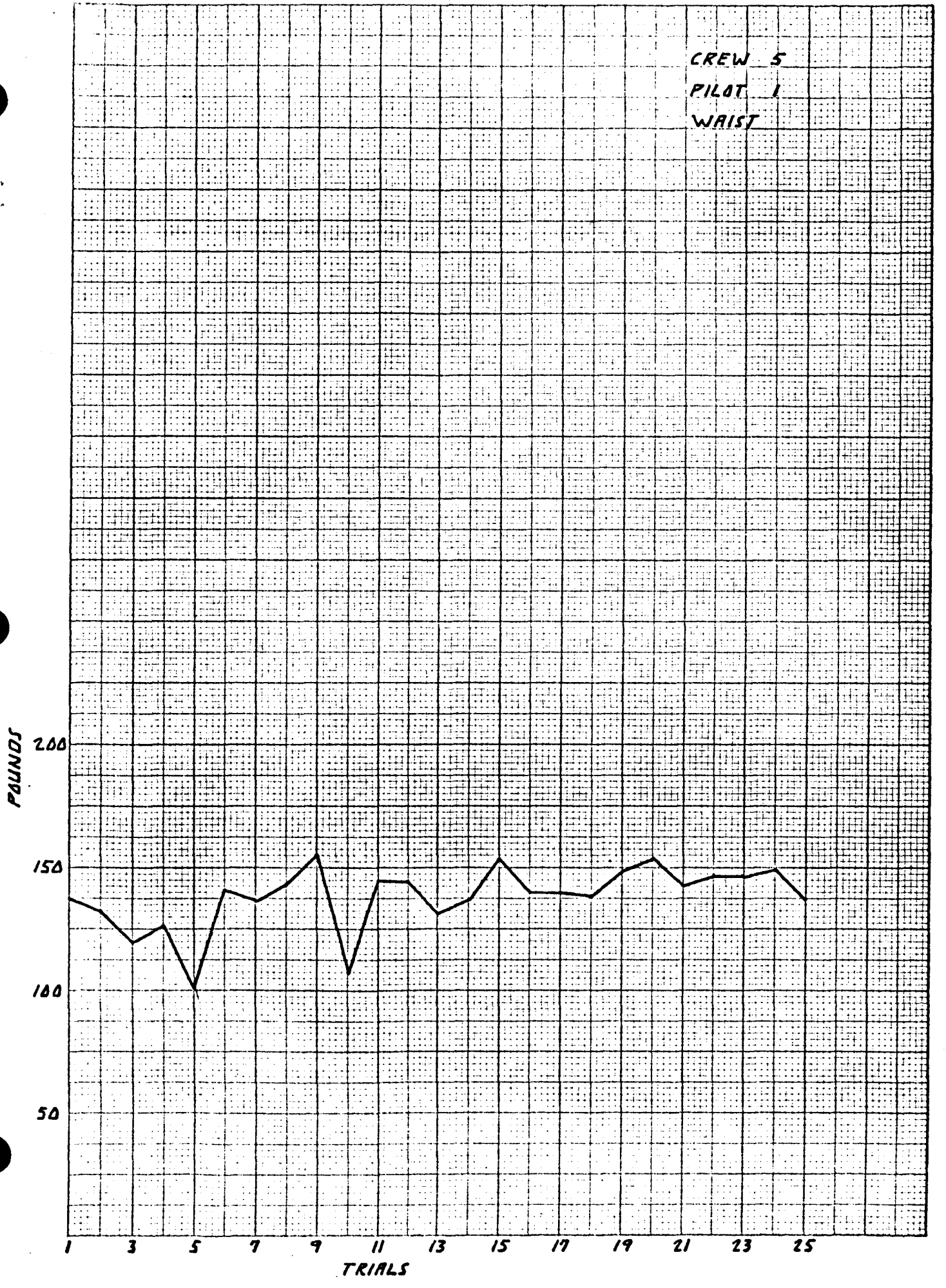
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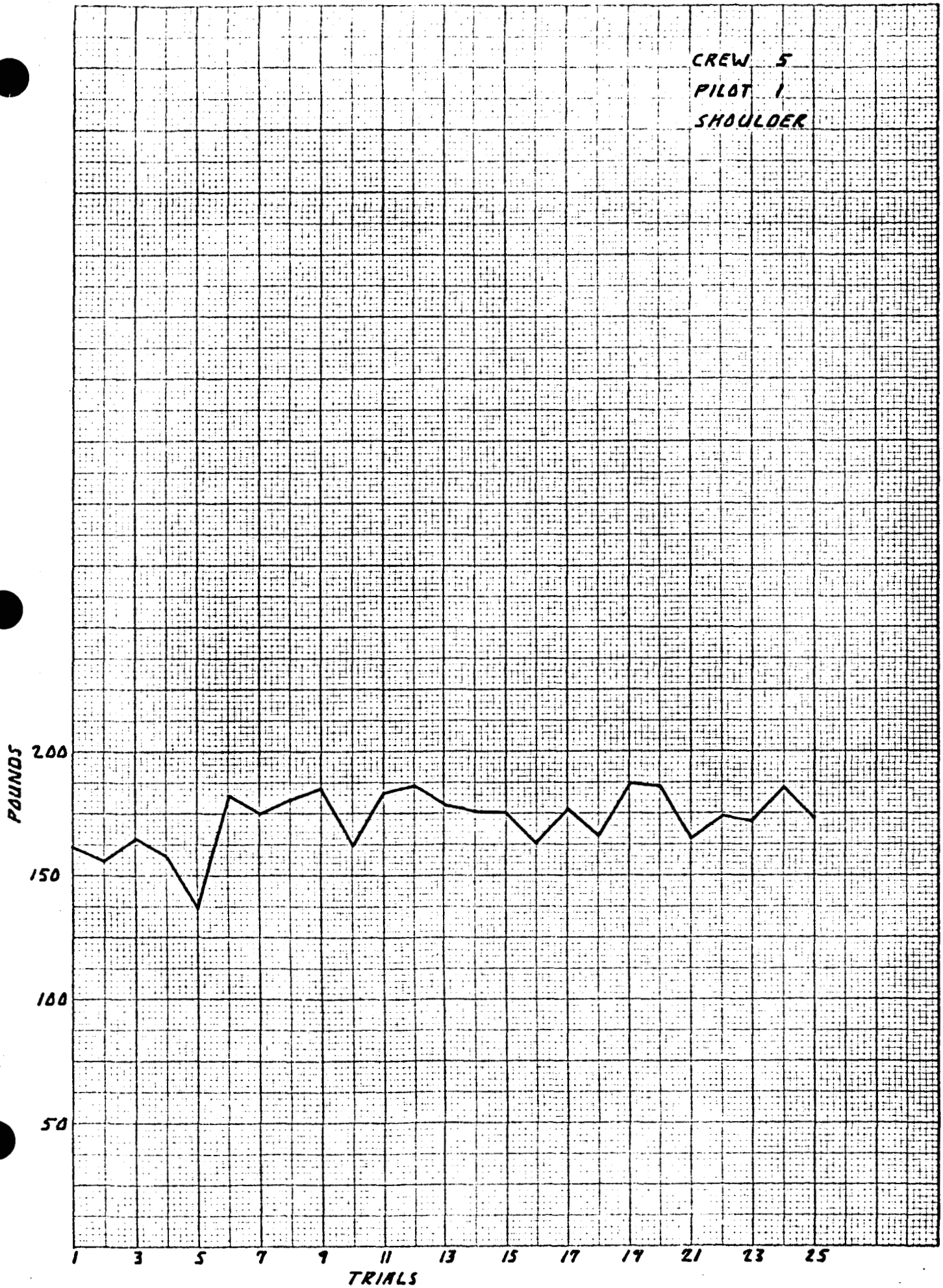
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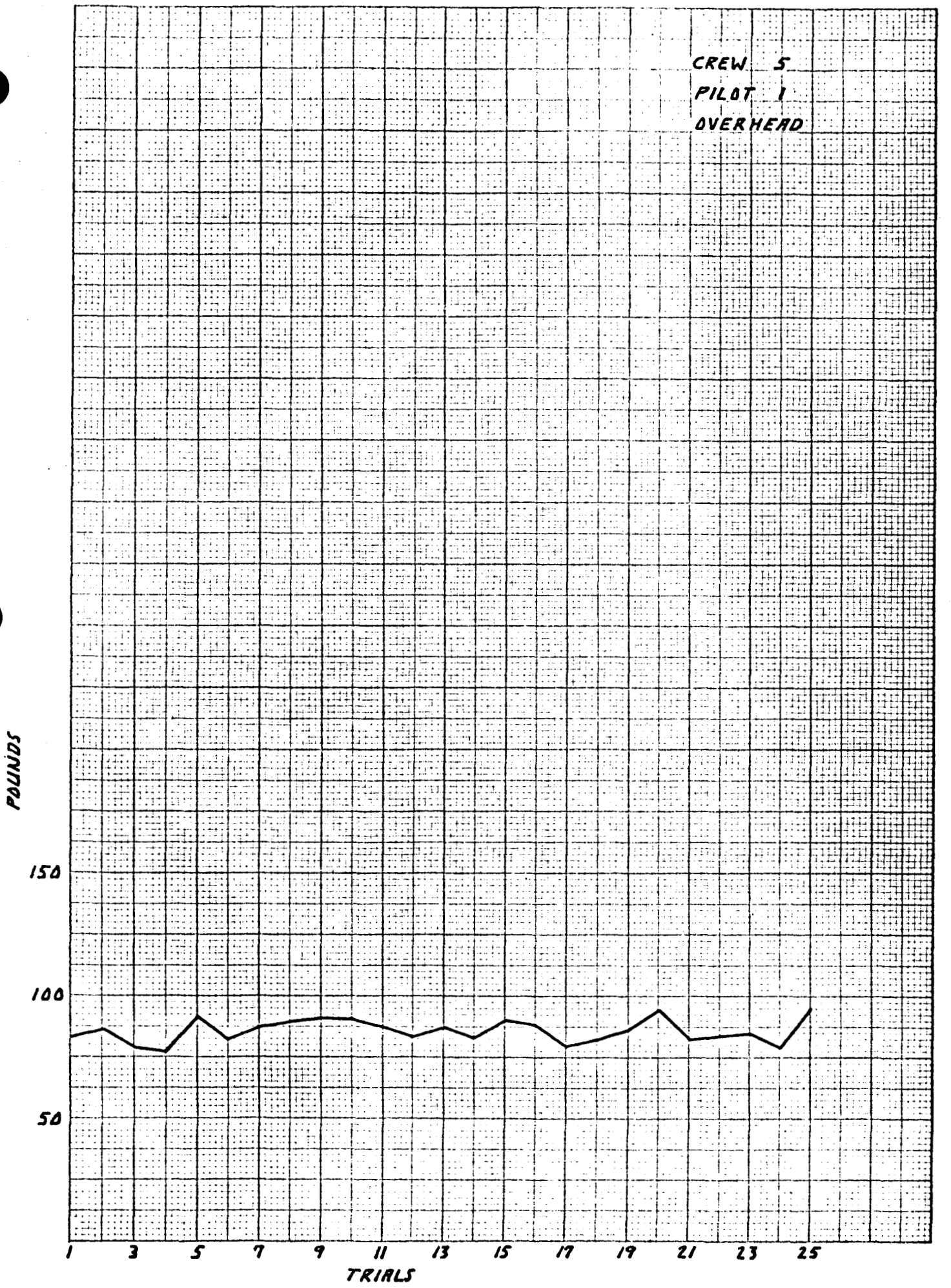
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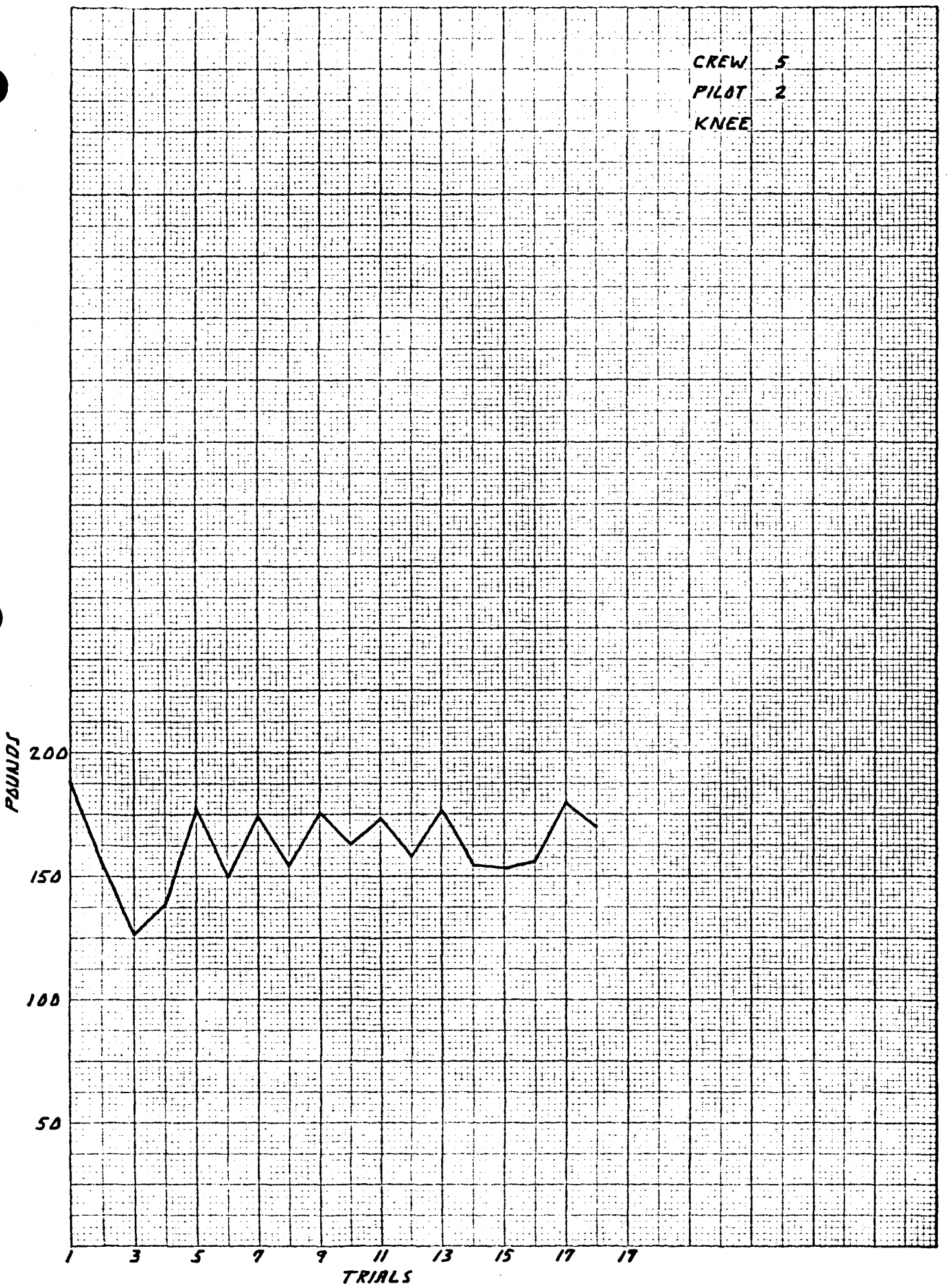
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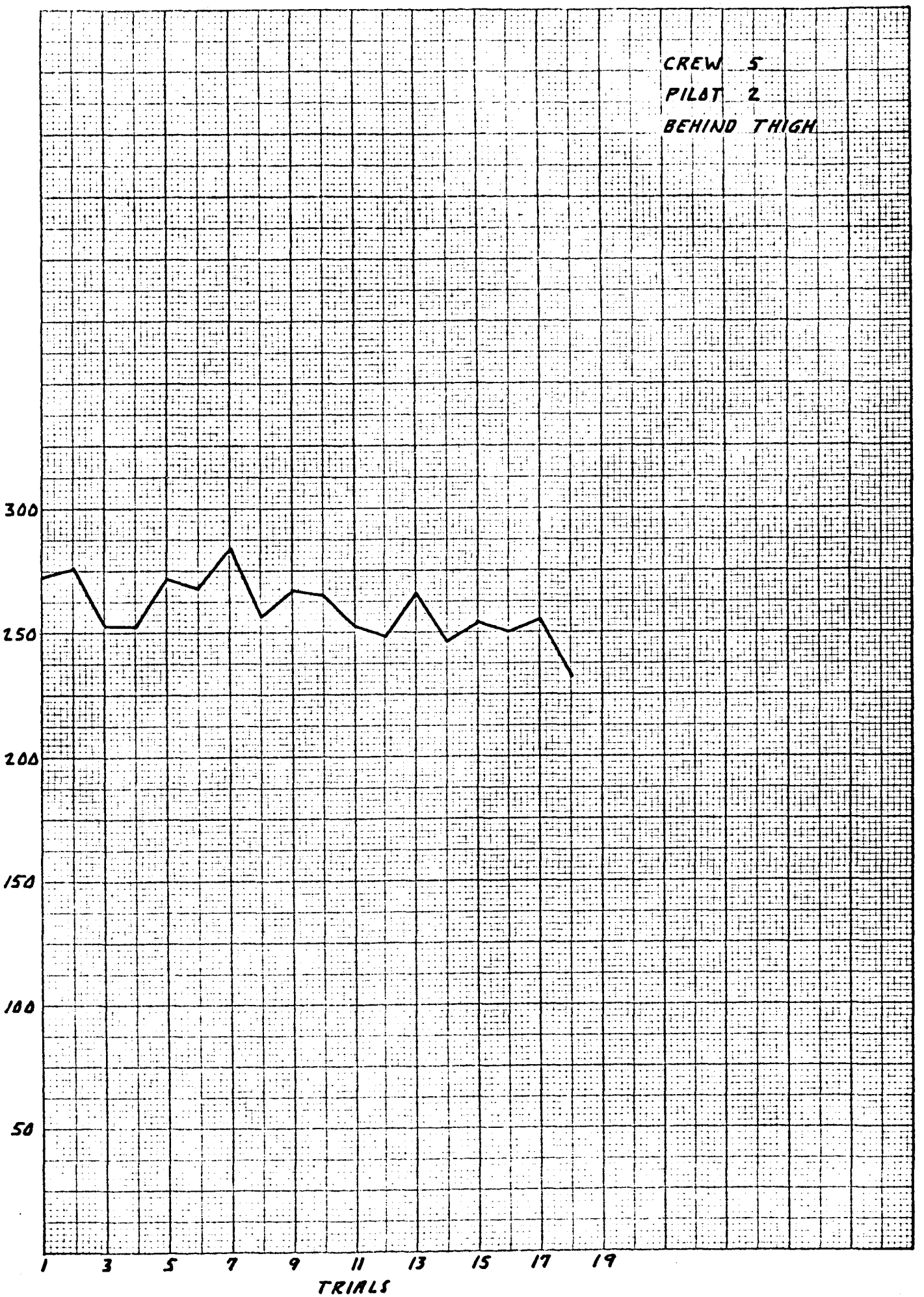
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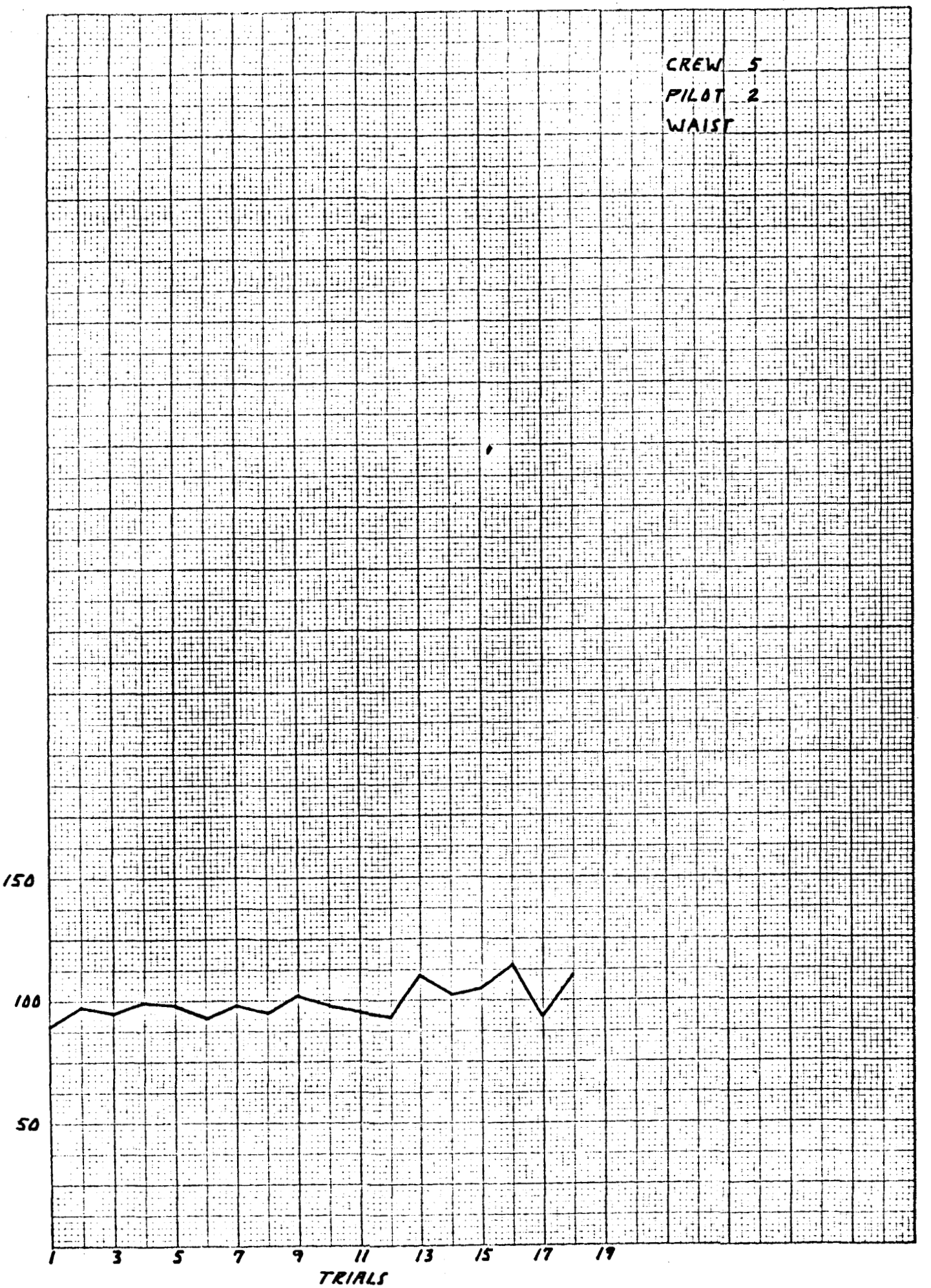
TRIALS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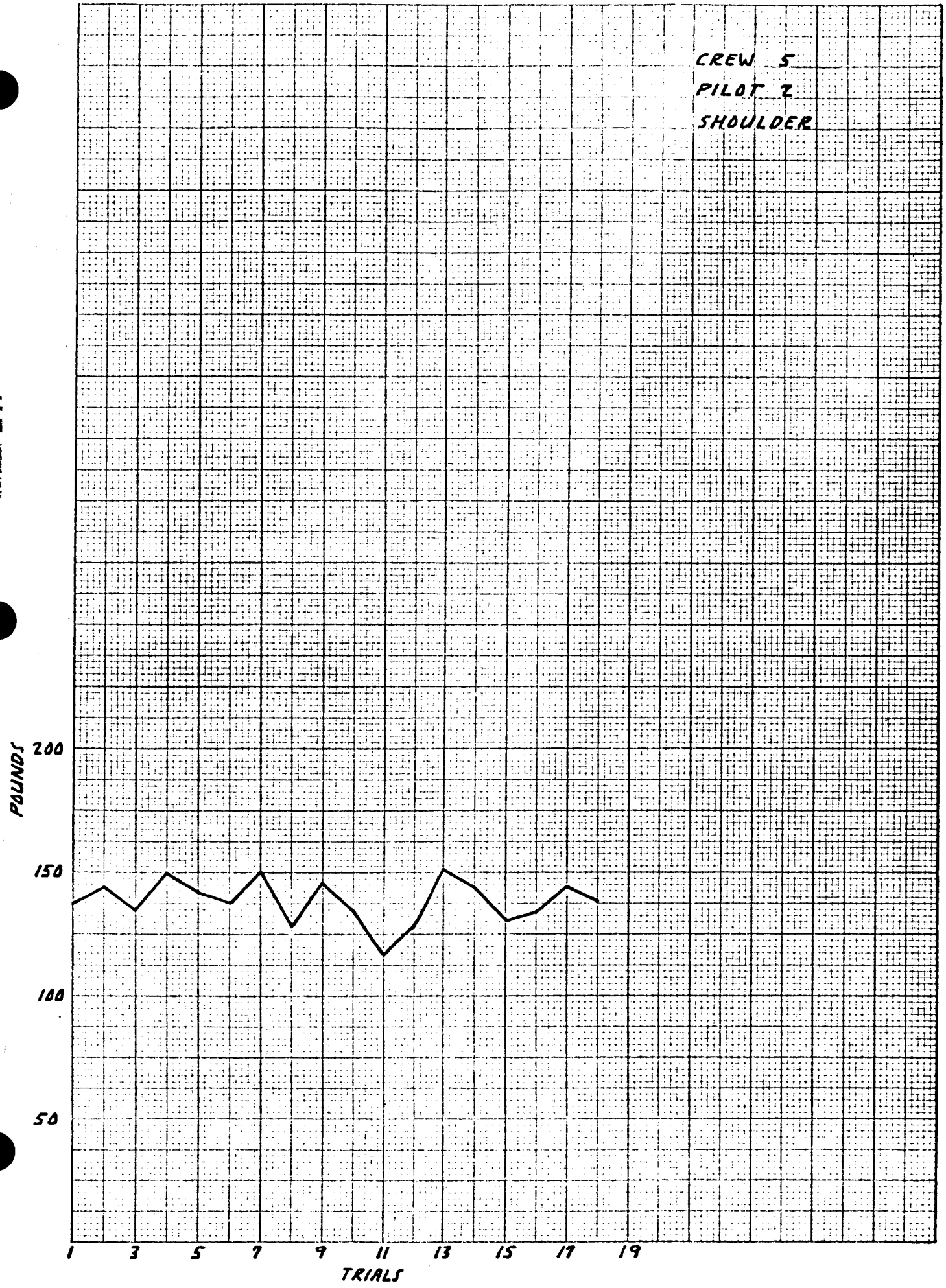
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TRIALS

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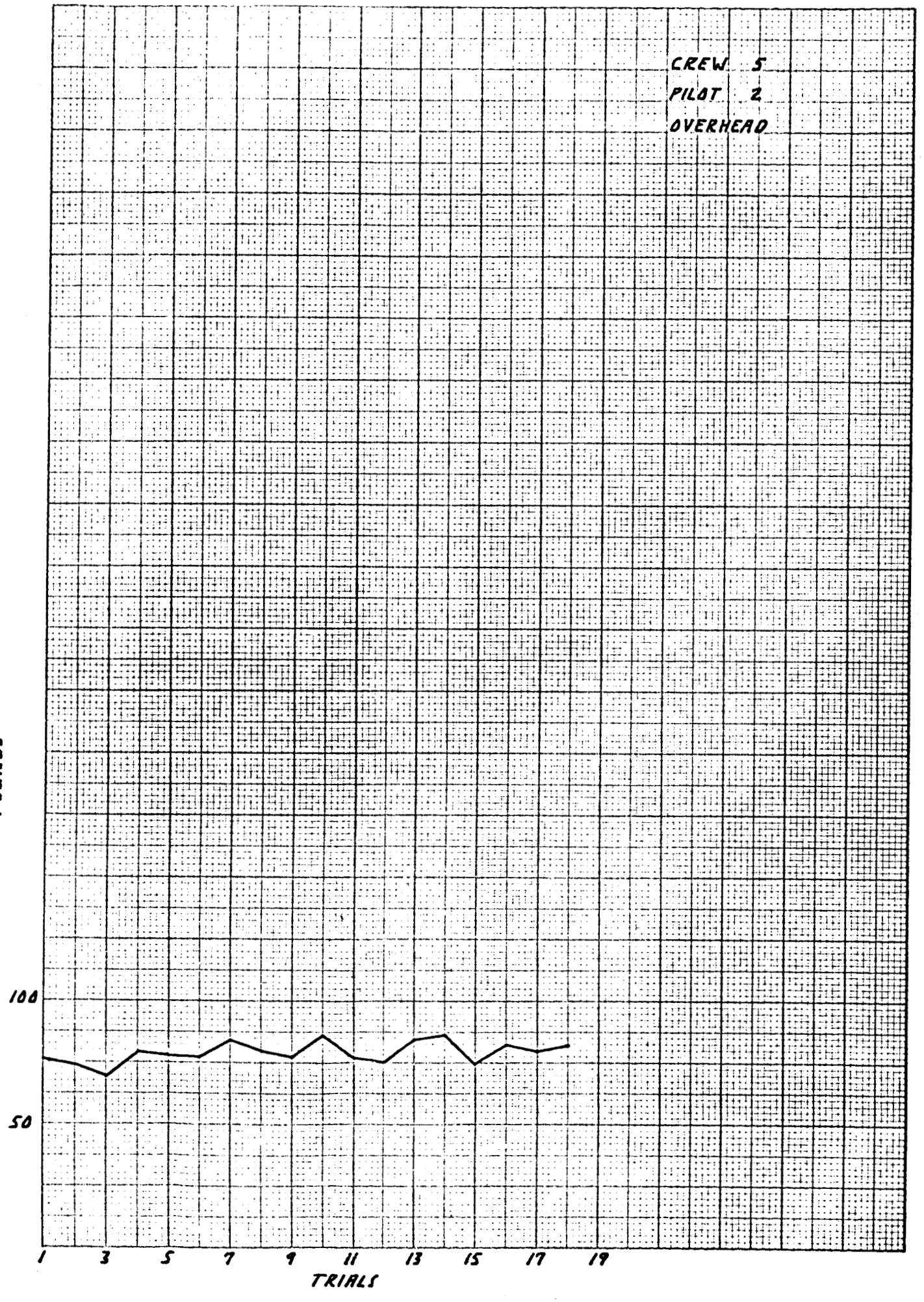
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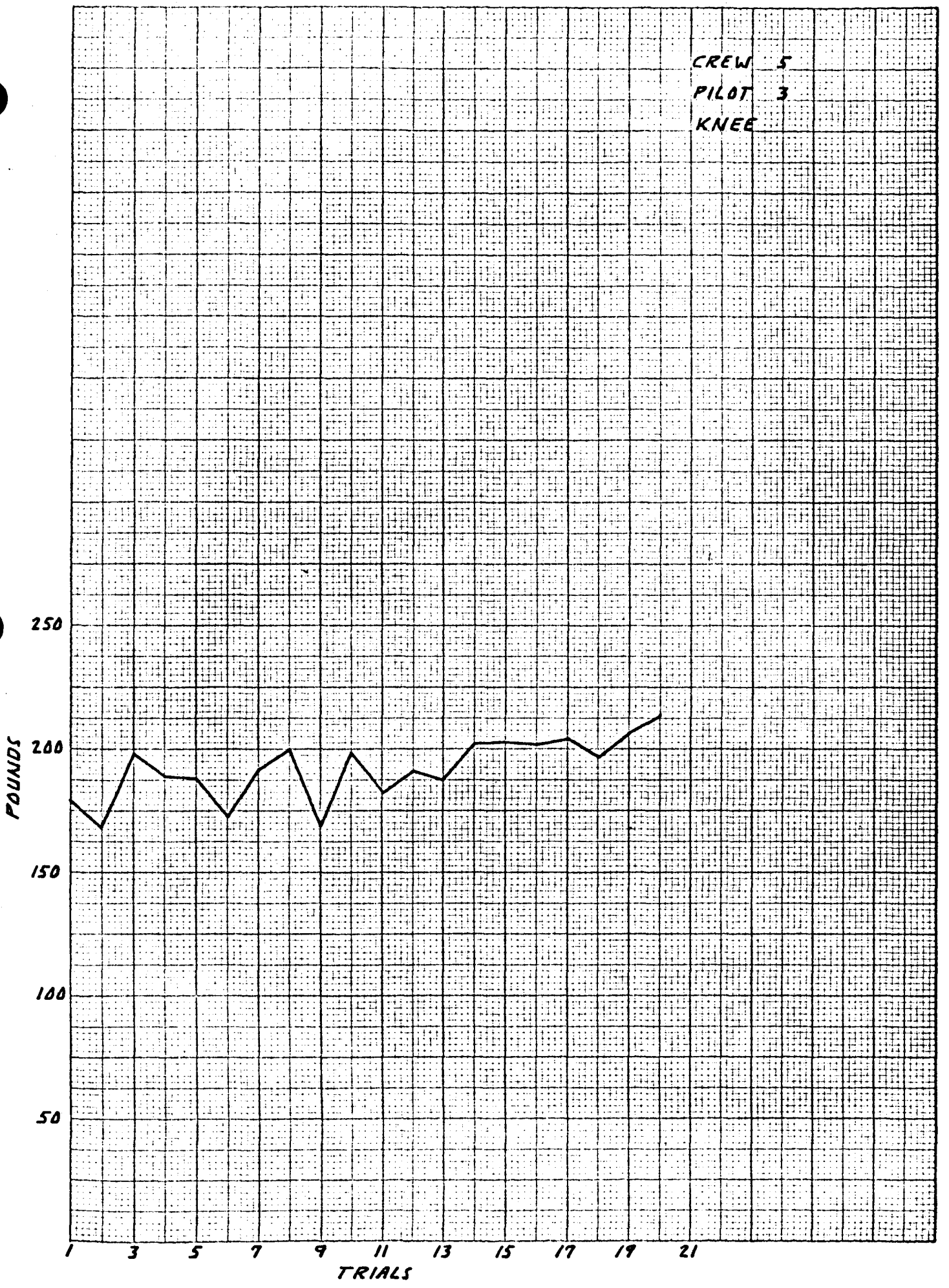
TRIALS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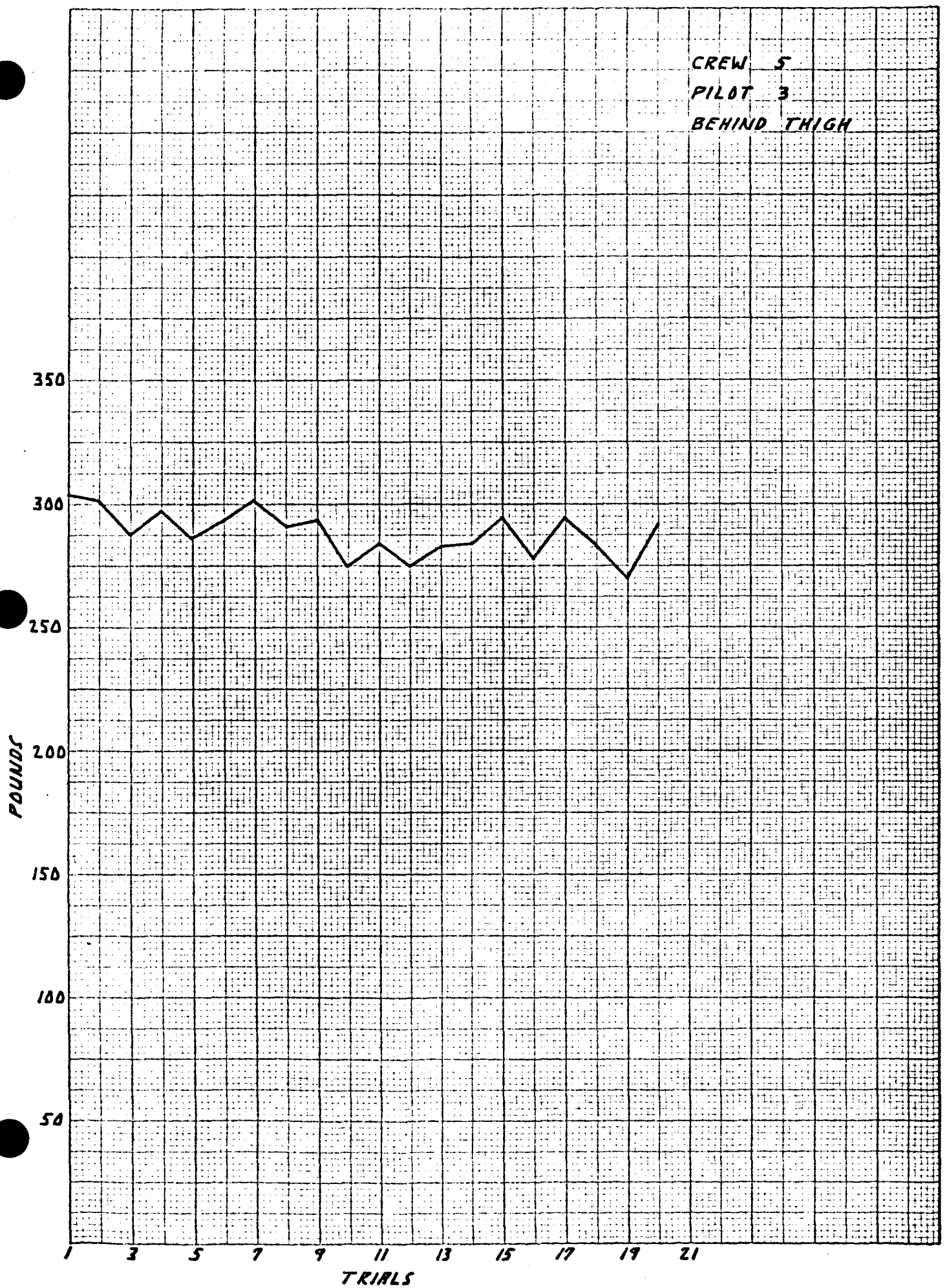
TRIALS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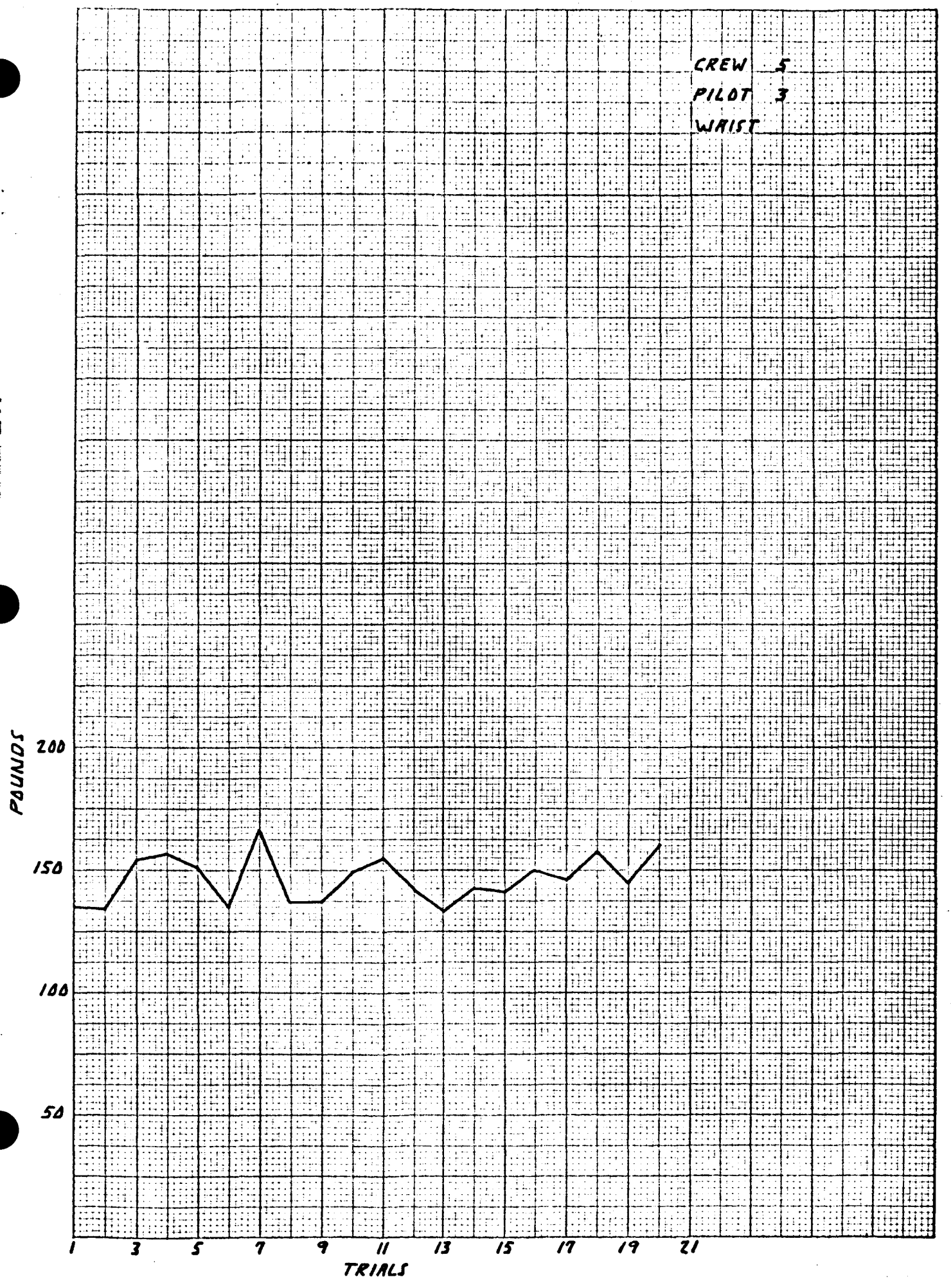
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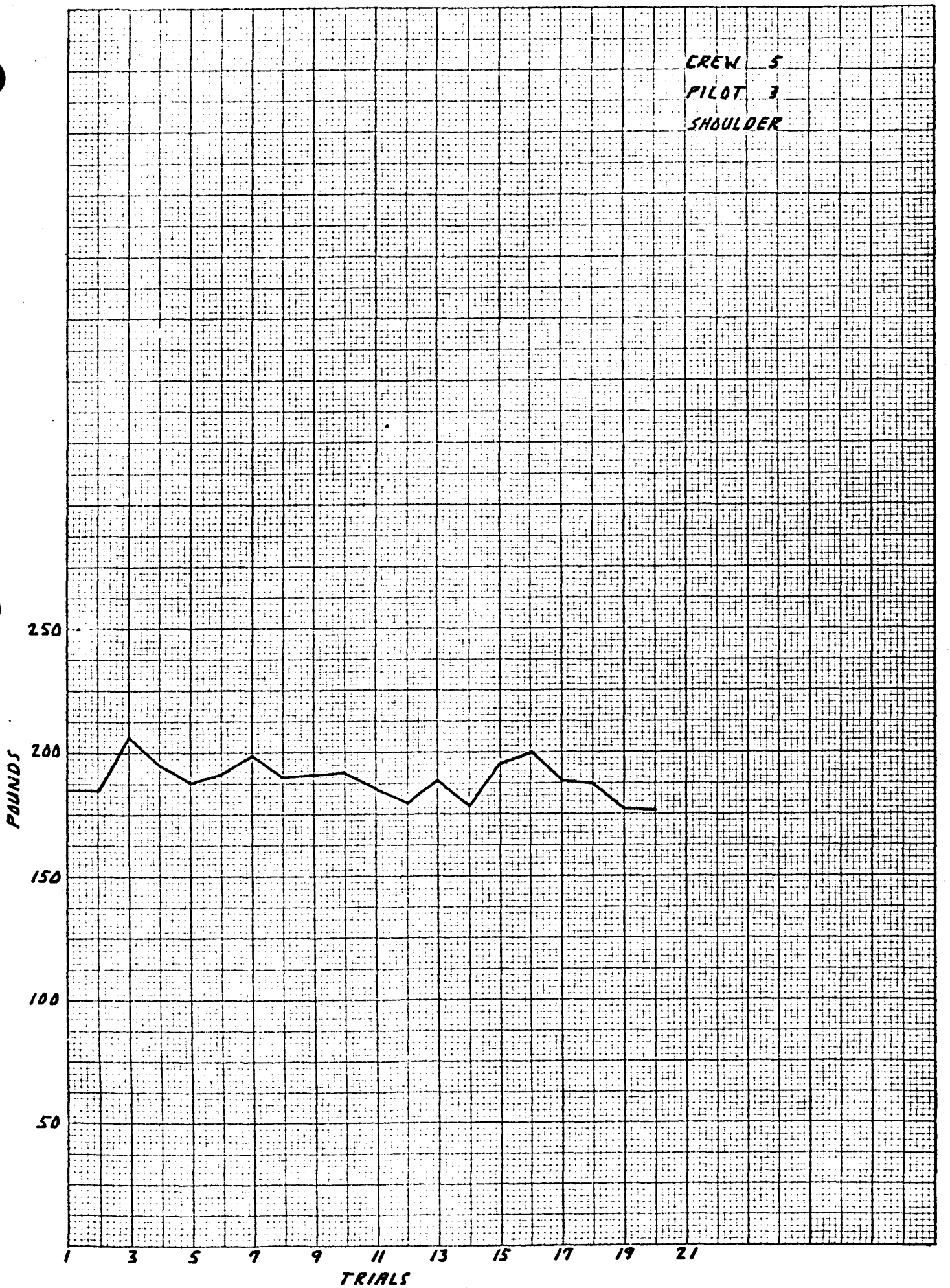
TRIALS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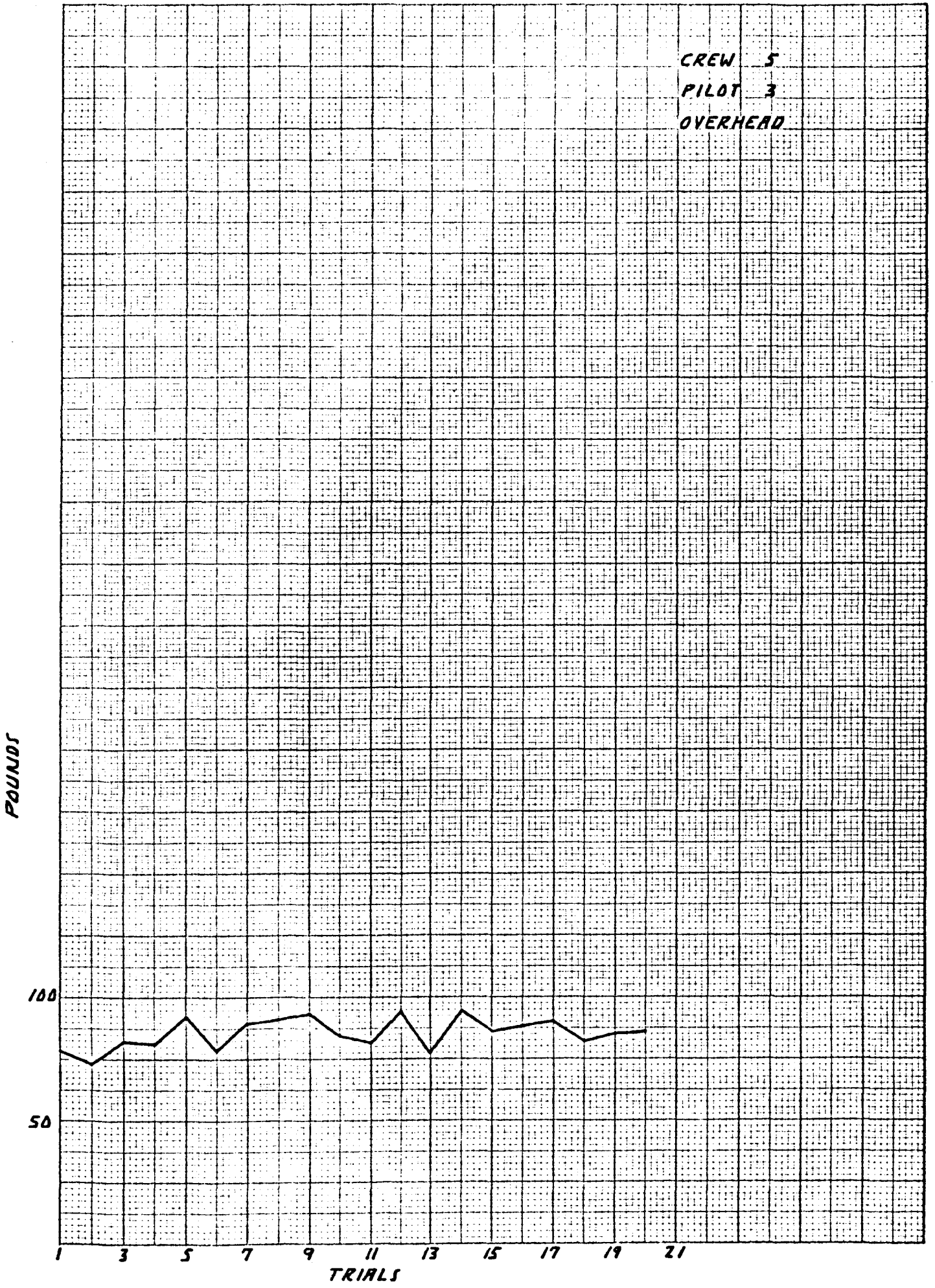
TRIALS


CREW 5
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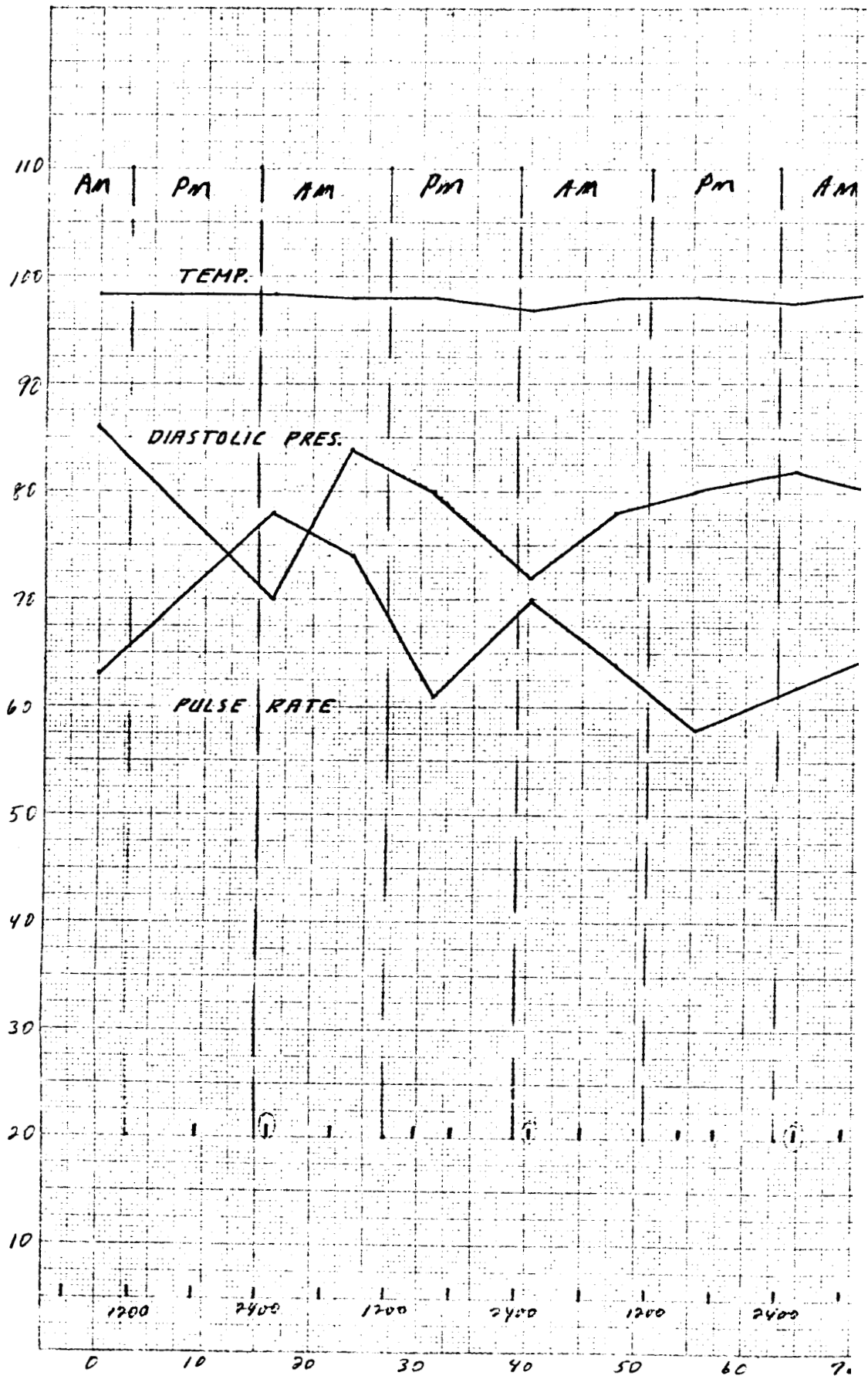
TRIALS

FIGURE 2

DIURNAL VARIATION OF BIOMEDICAL STATUS BY
INDIVIDUAL PILOT


AM
PM
AM
PM
AM
PM
AM
TEMP.
DIASTOLIC PRES.
PULSE RATE
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100
90
80
70
60
50
40
30
20
10
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2400
1200
2400
1200
2400
0
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20
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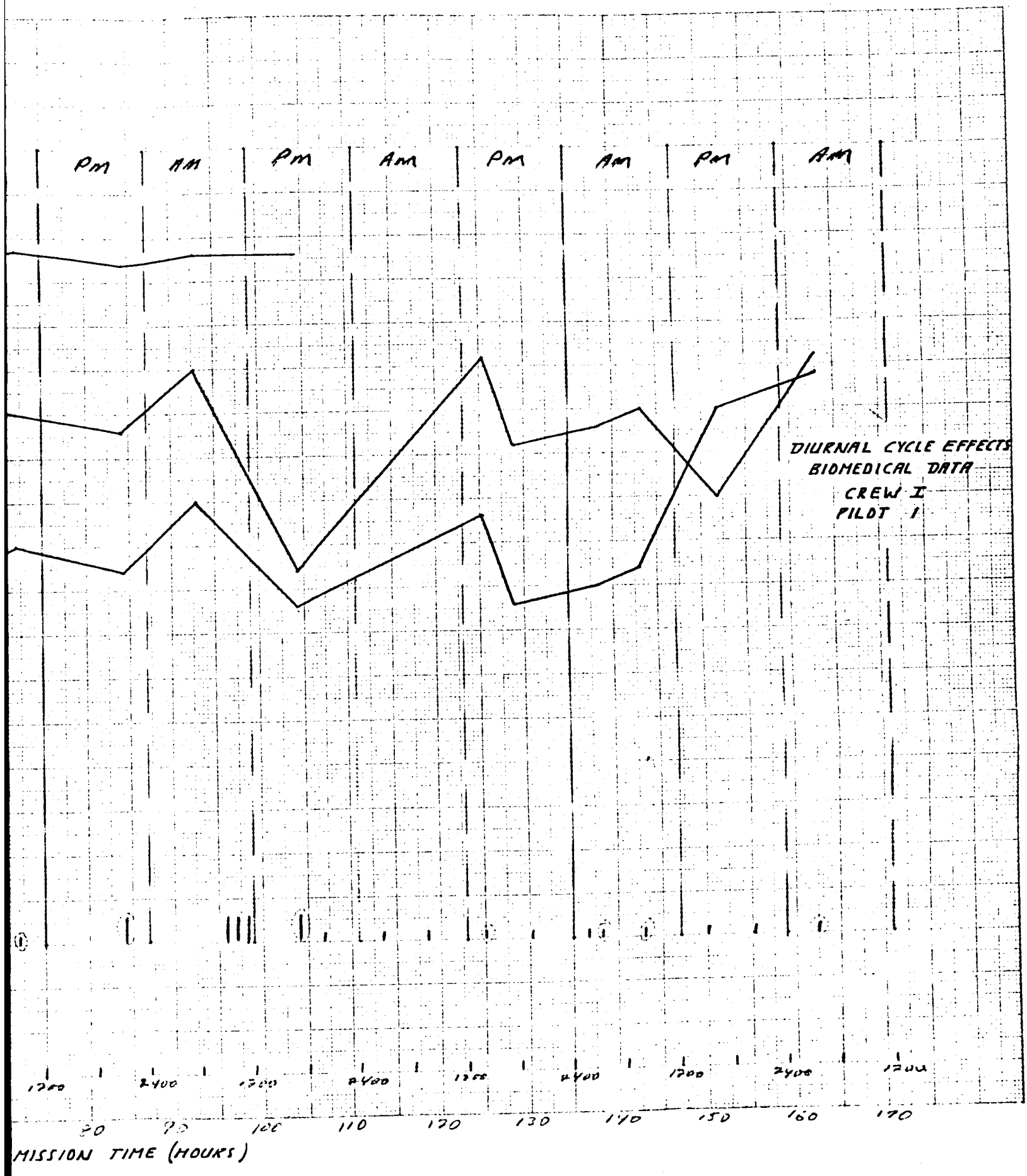
40
50
60


PM
AM
PM
AM
PM
AM
PM
AM
DIURNAL CYCLE EFFECTS
BIOMEDICAL DATA
CREW I
PILOT 1
1200
2400
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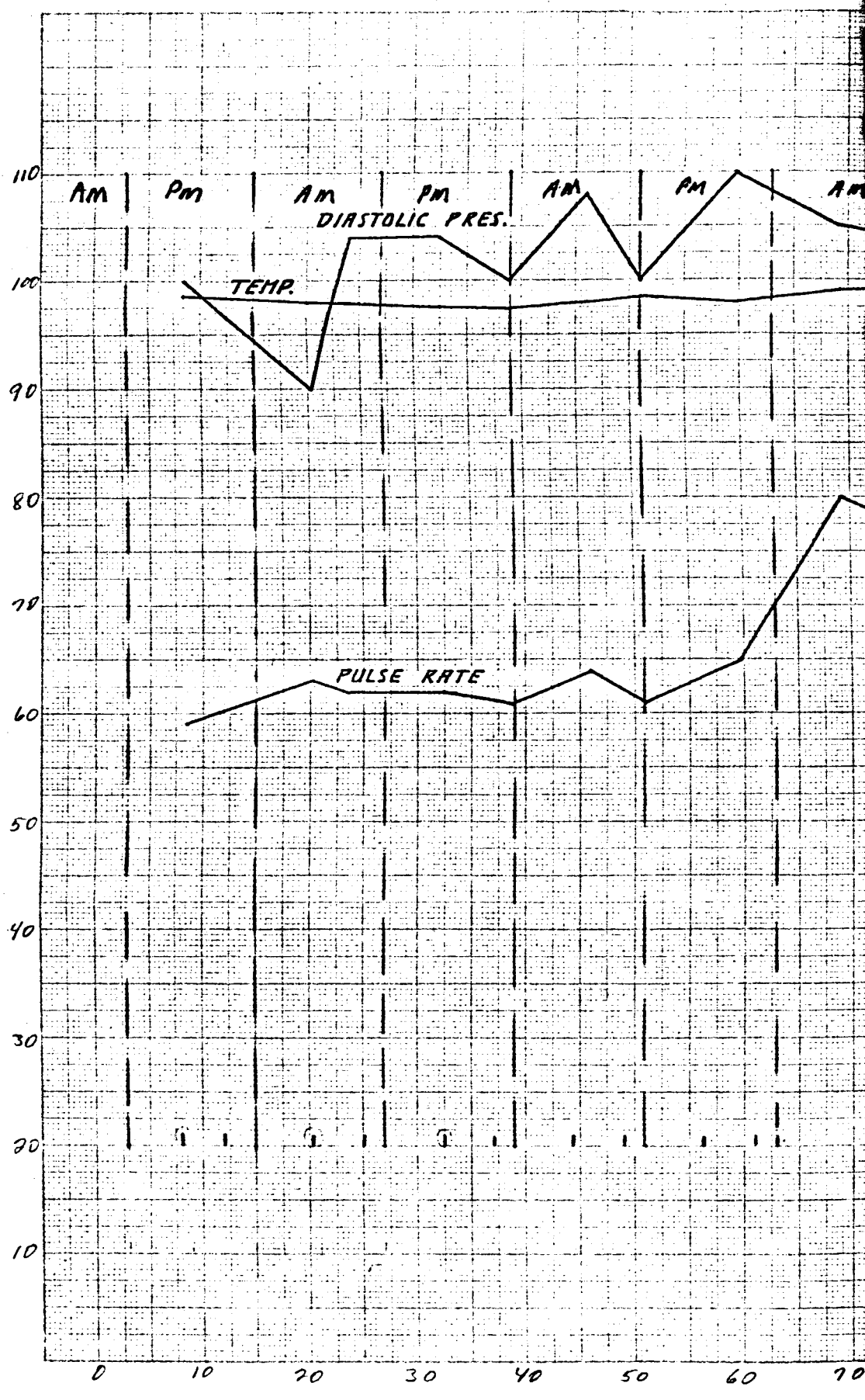
MISSION TIME (HOURS)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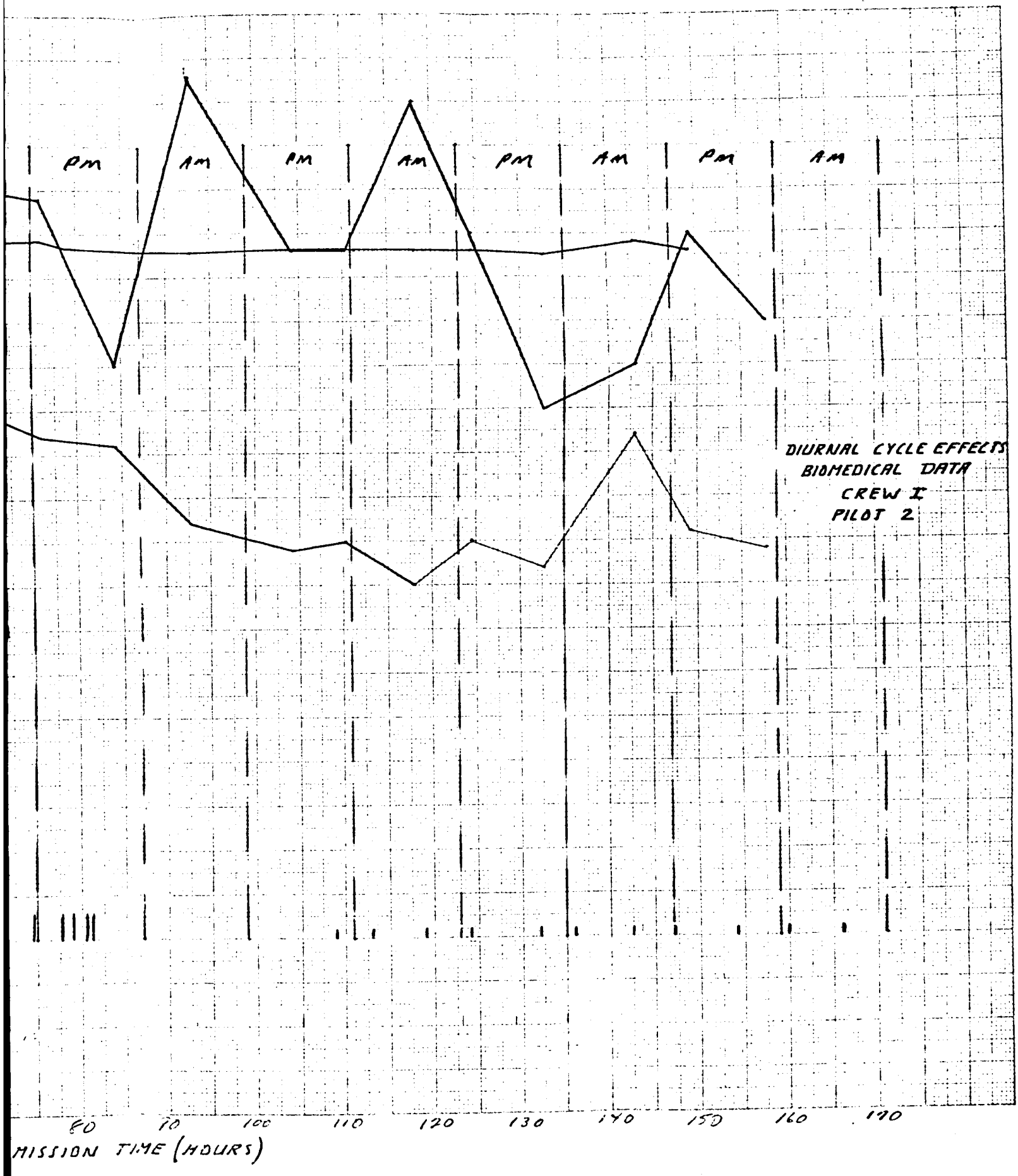
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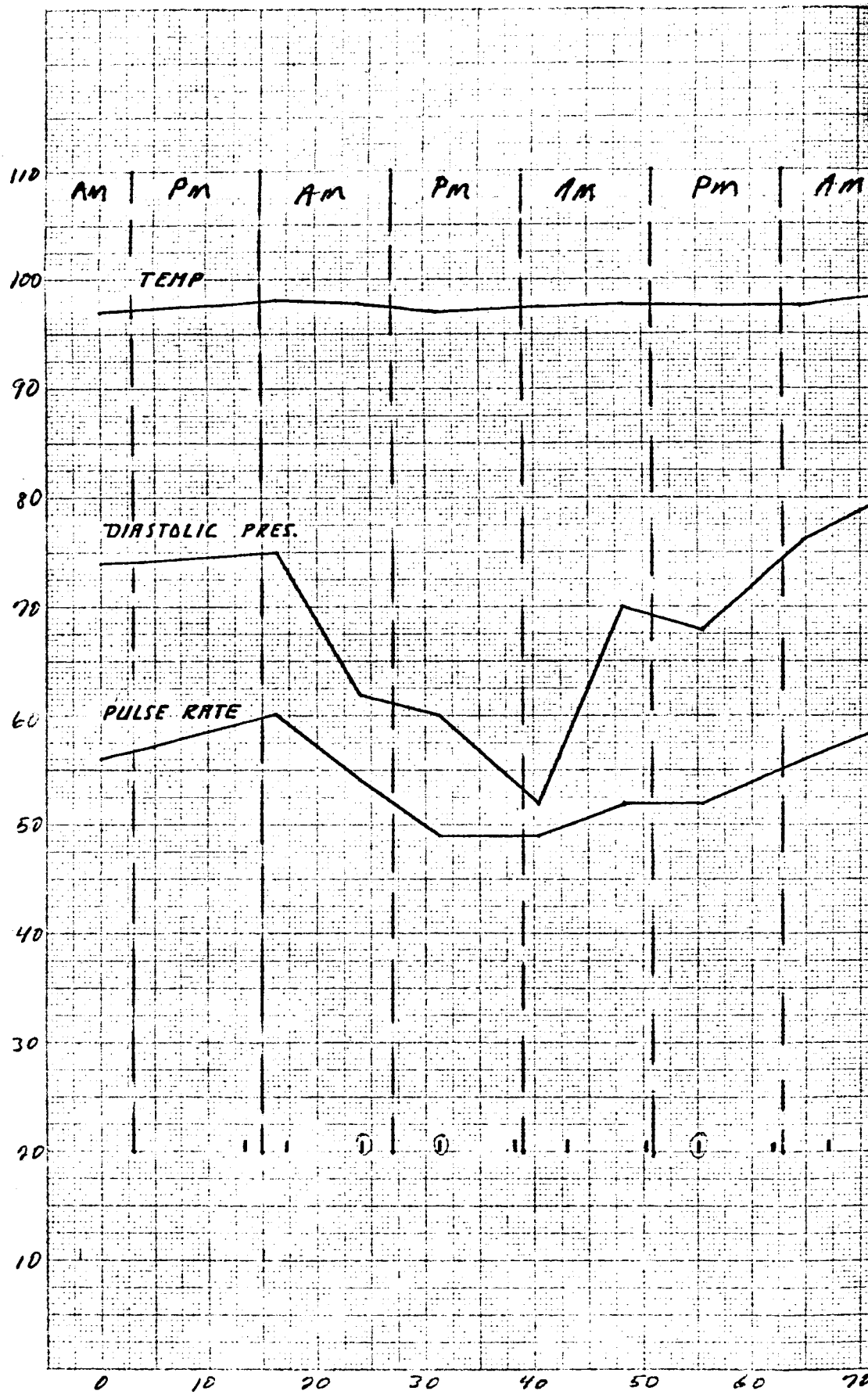
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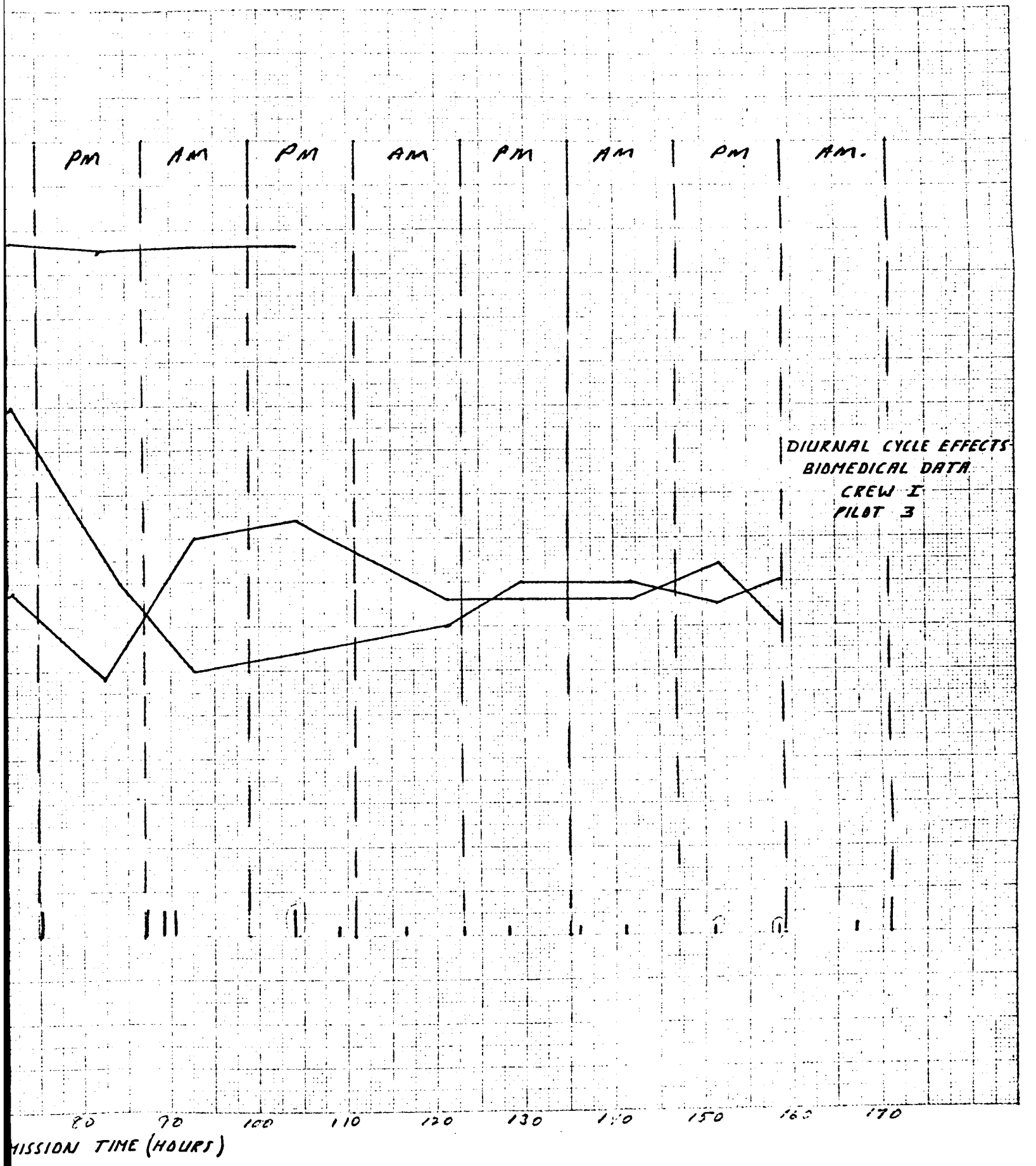
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DIURNAL CYCLE EFFECTS
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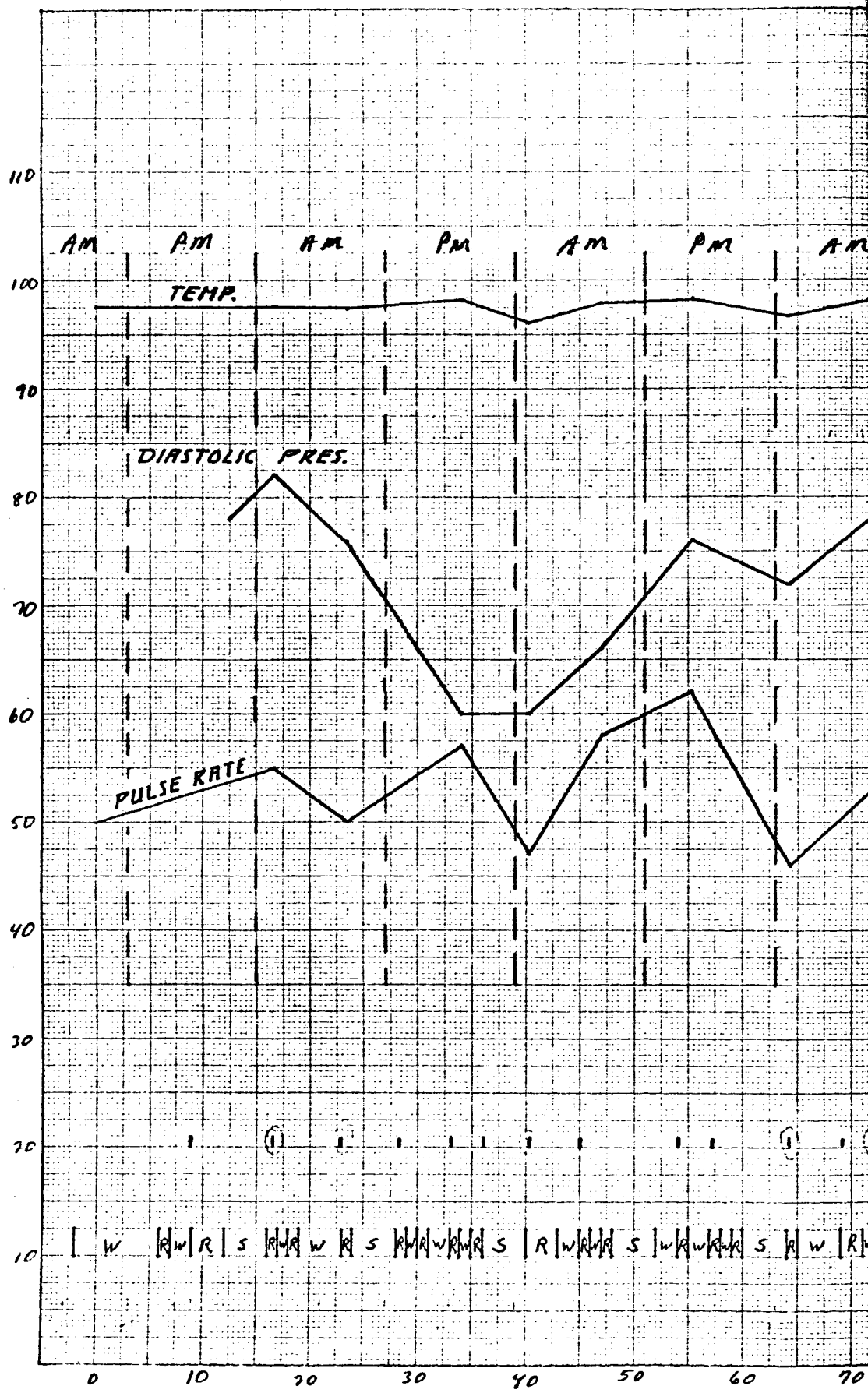
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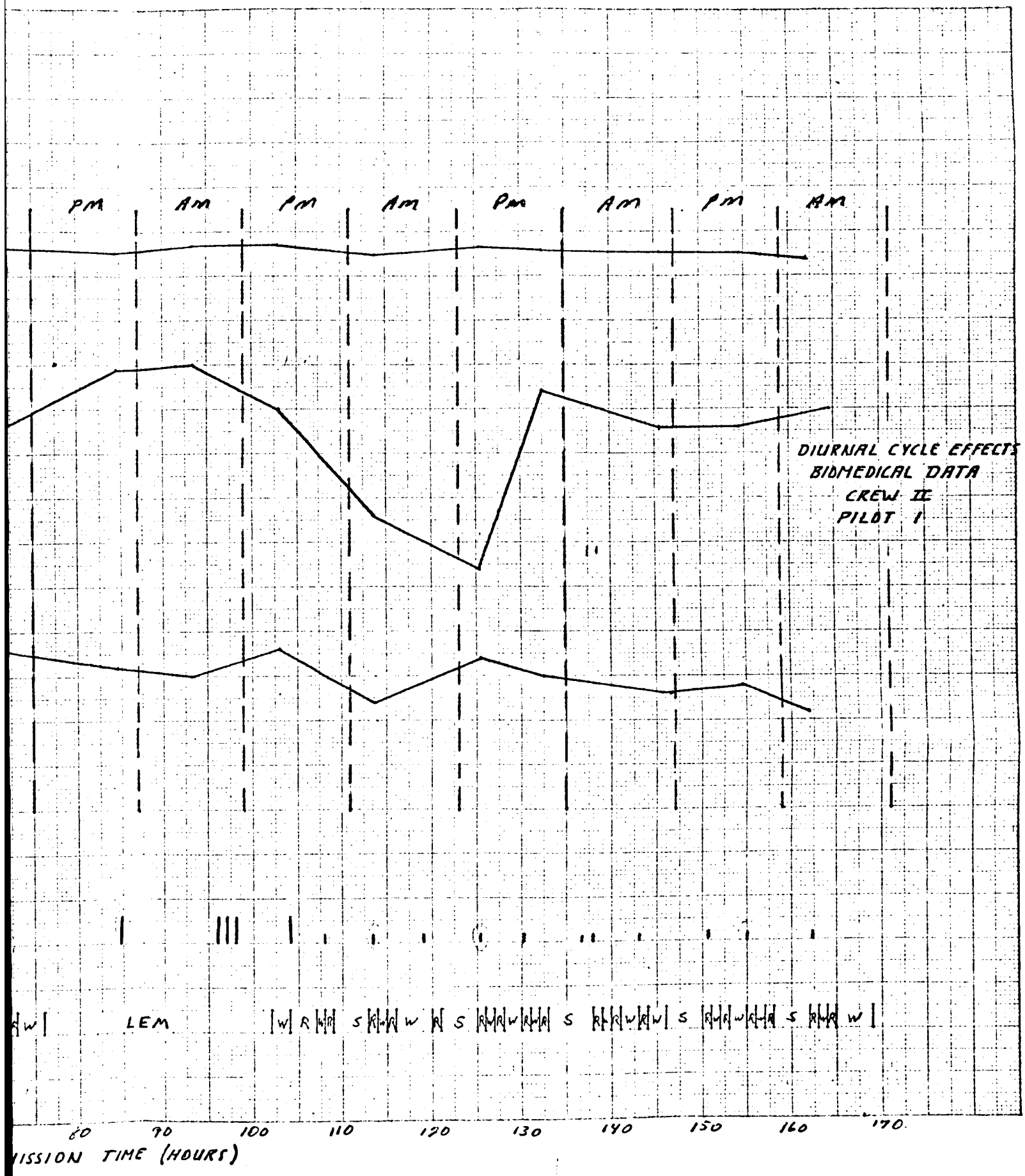
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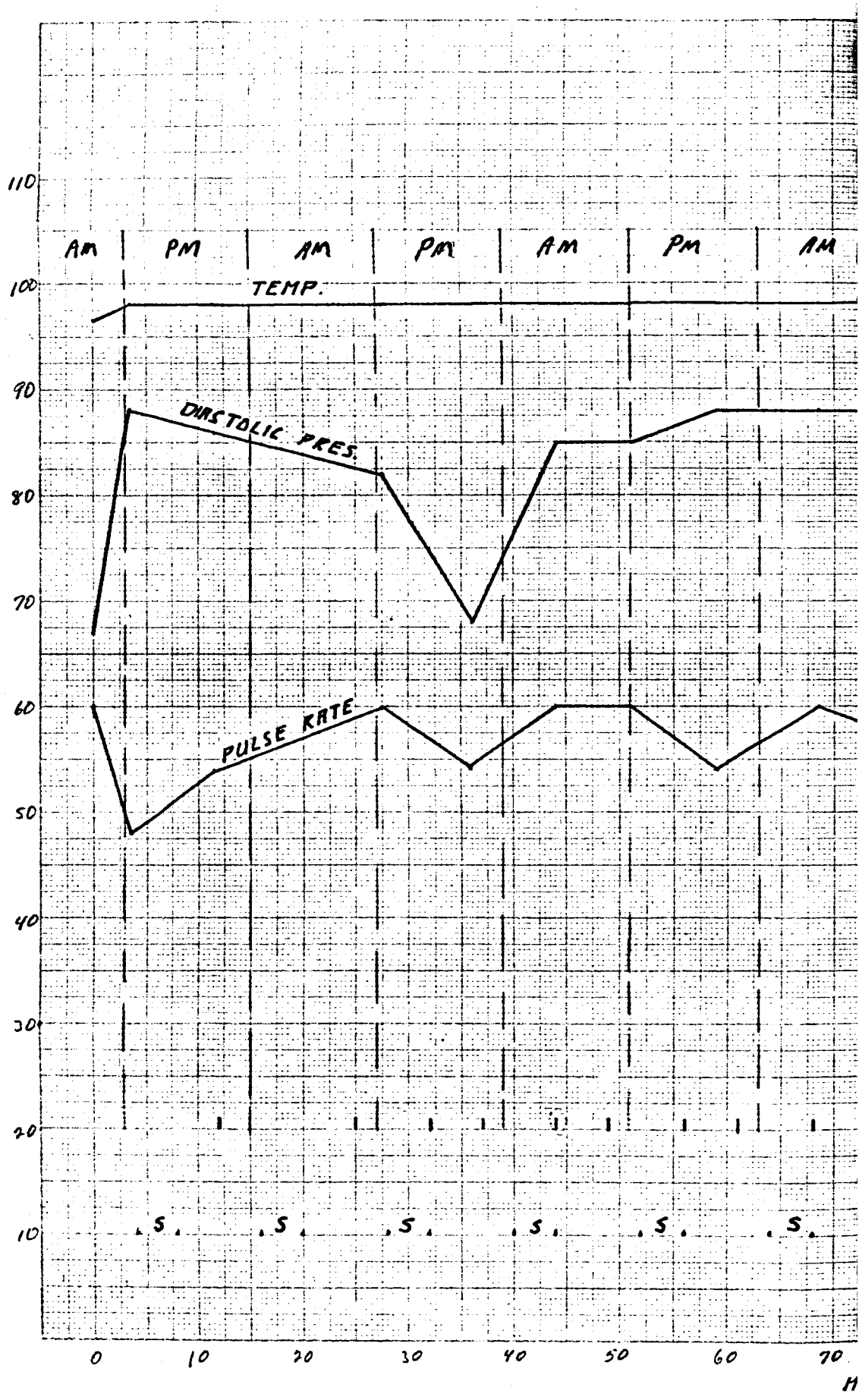
MISSION TIME (HOURS)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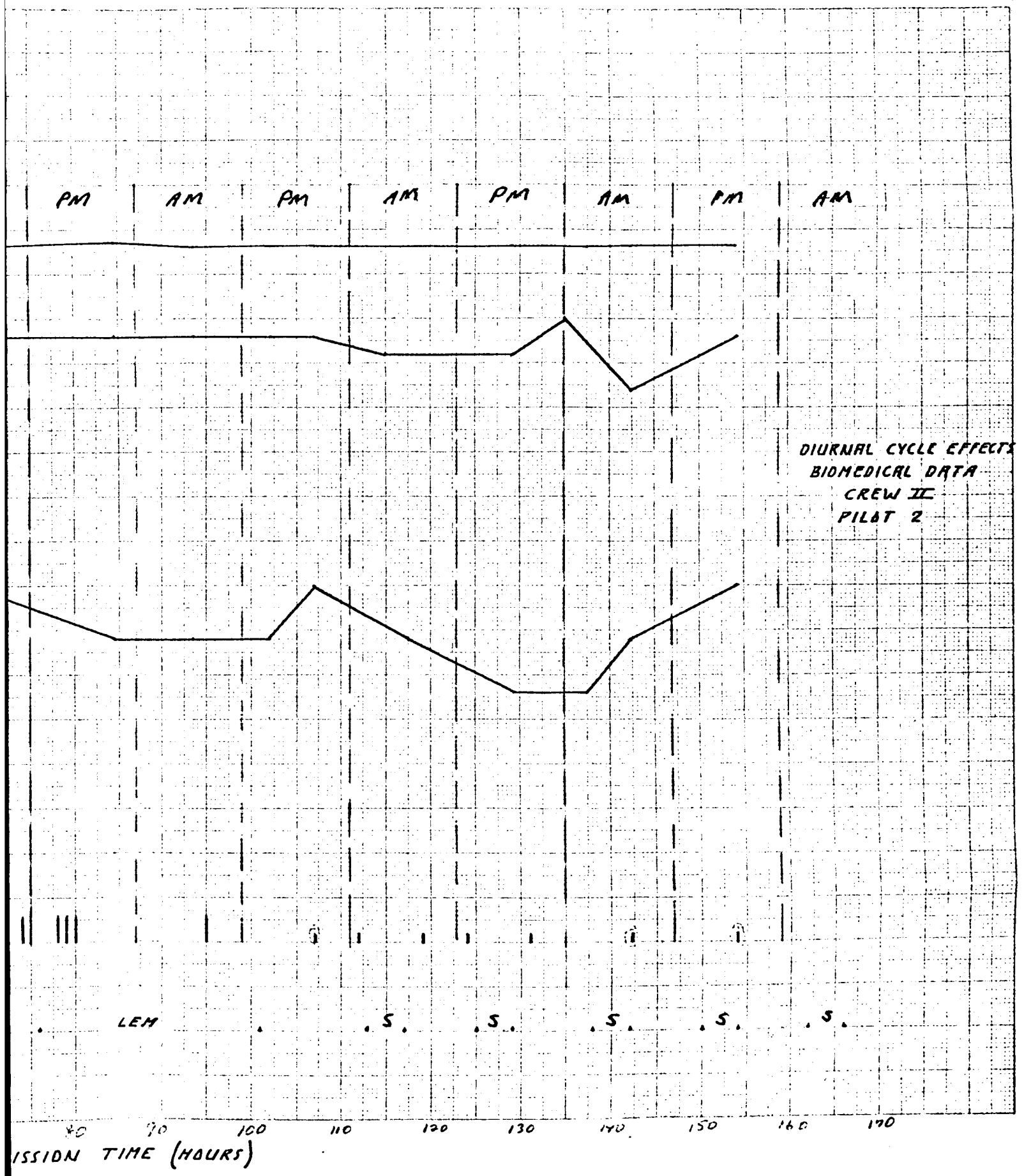
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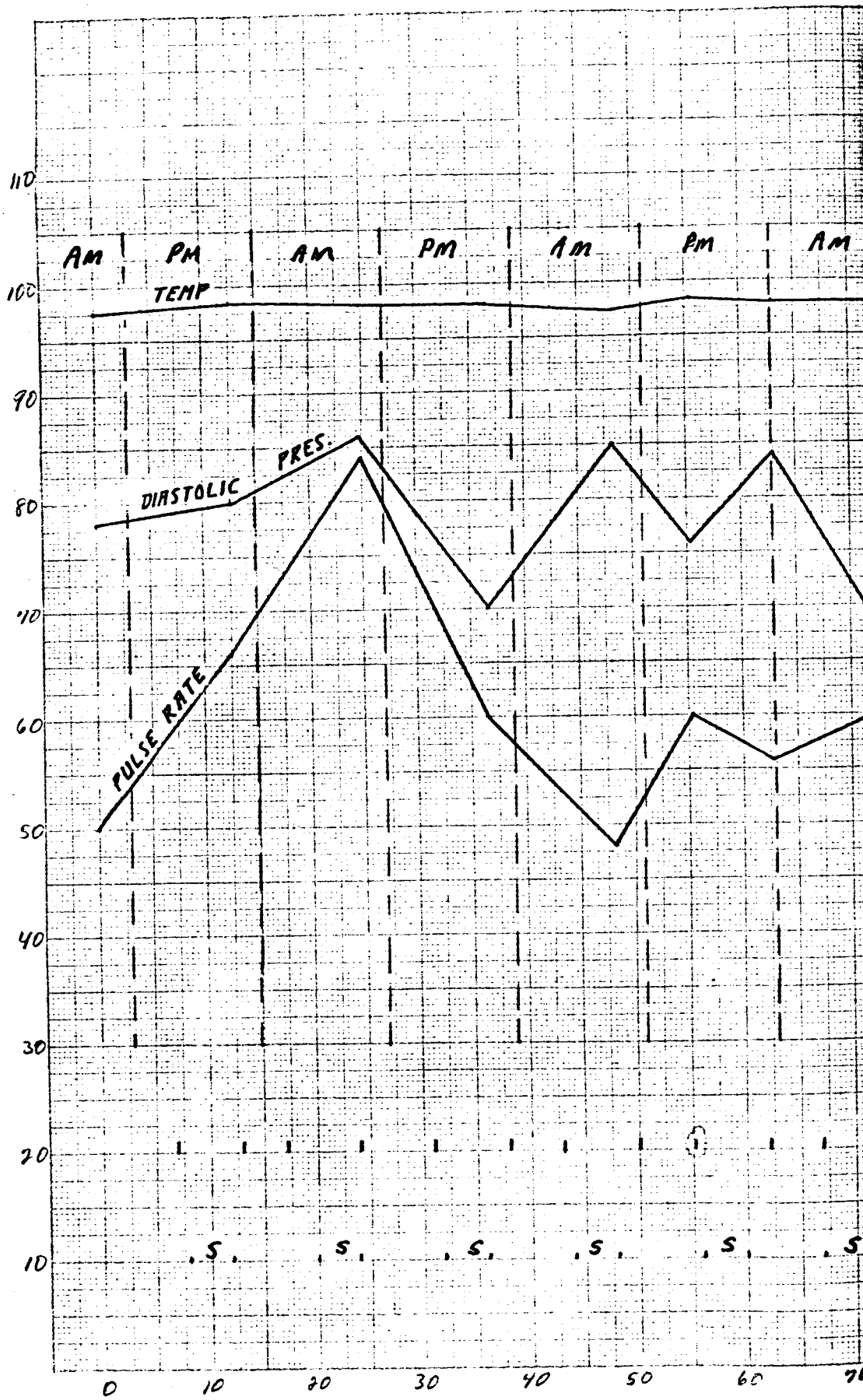
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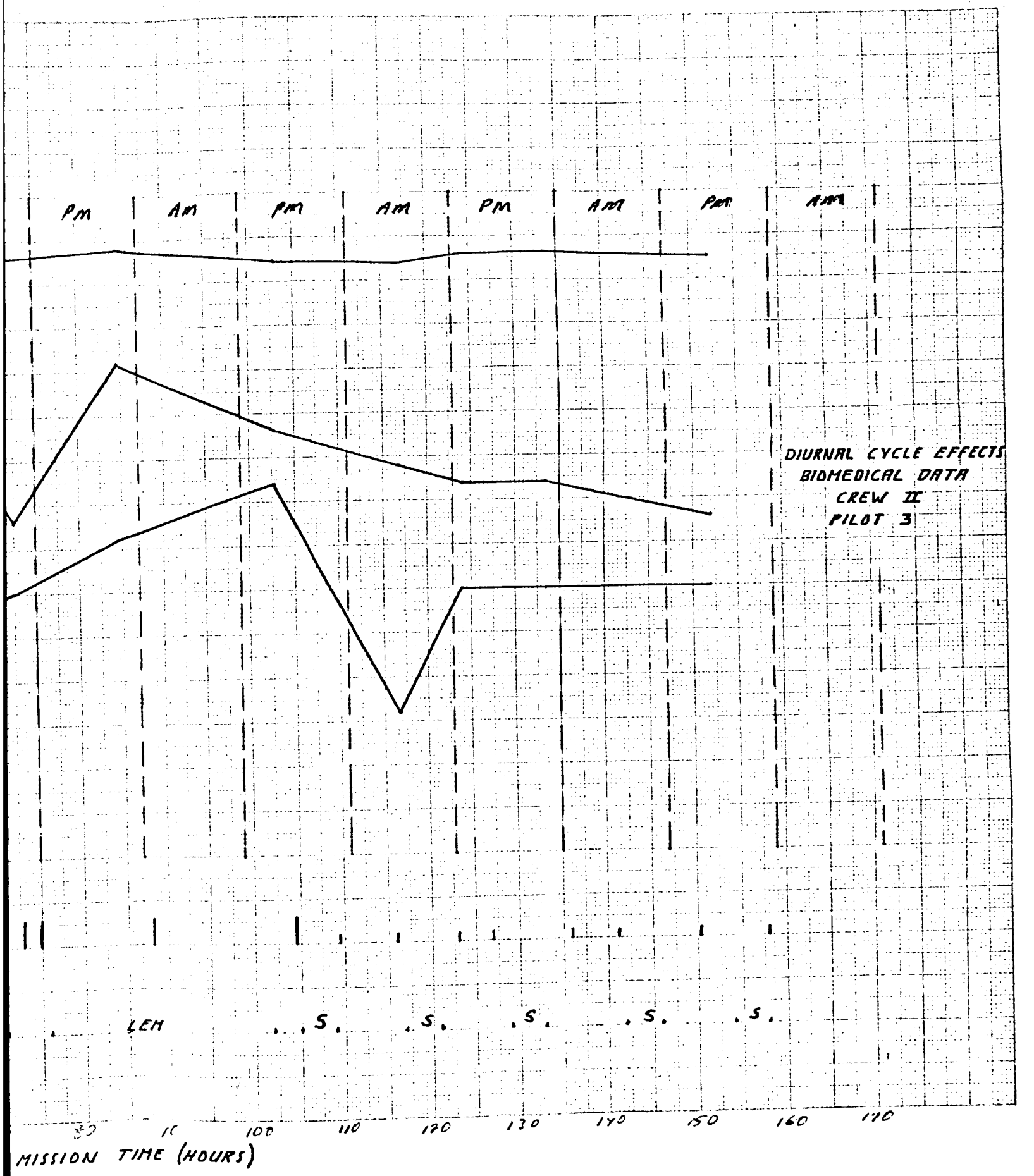
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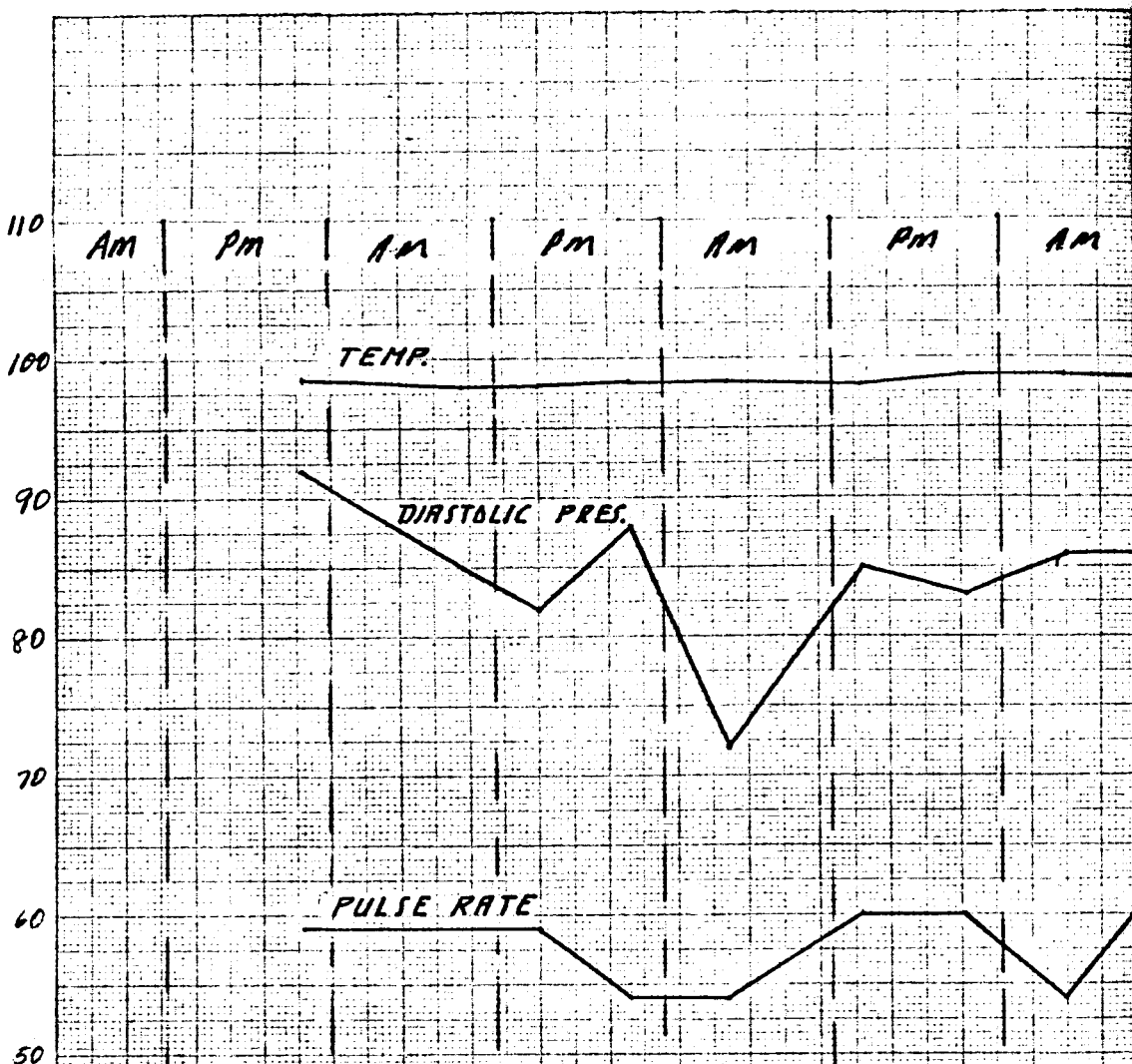
MISSION TIME (HOURS)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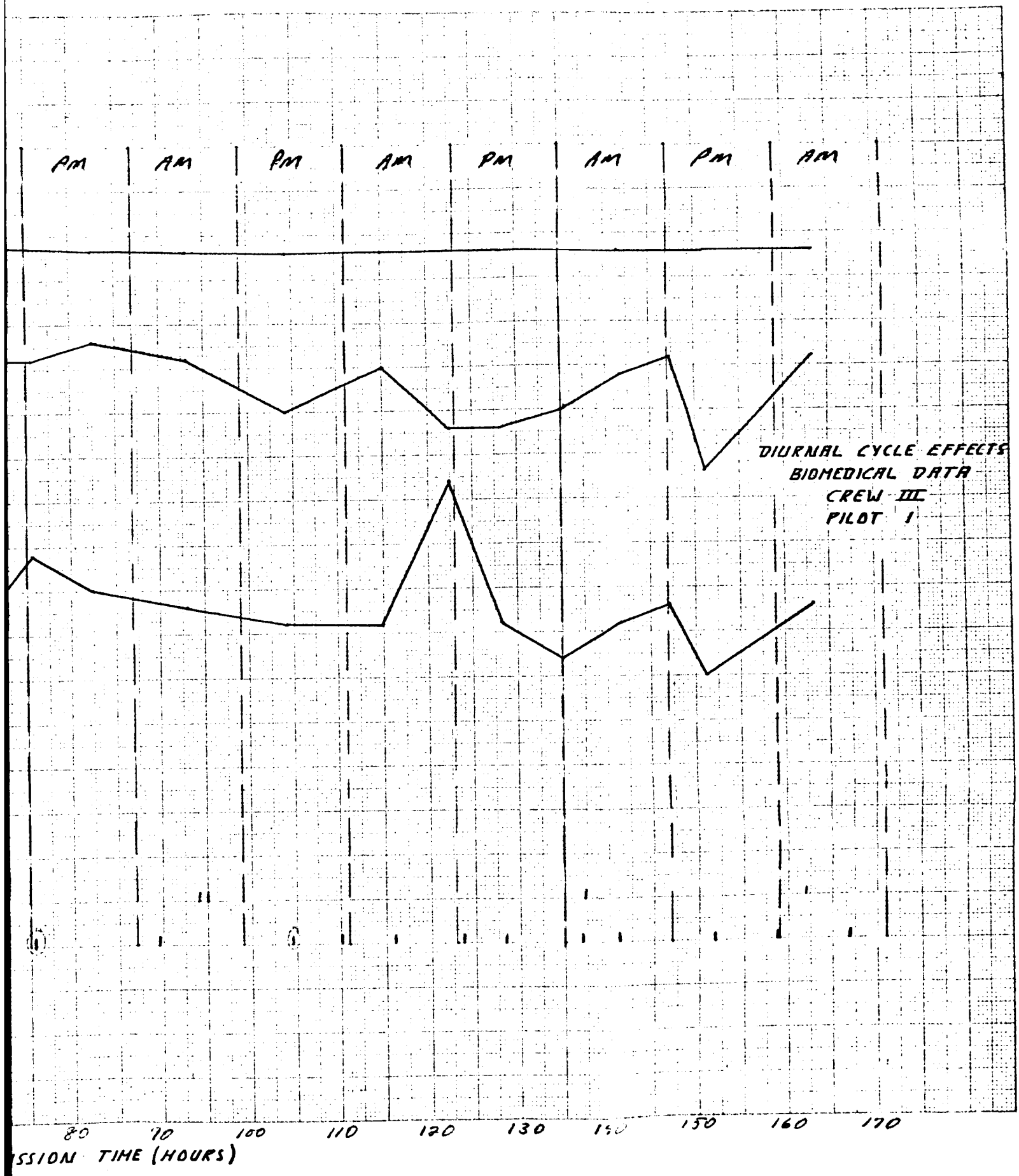
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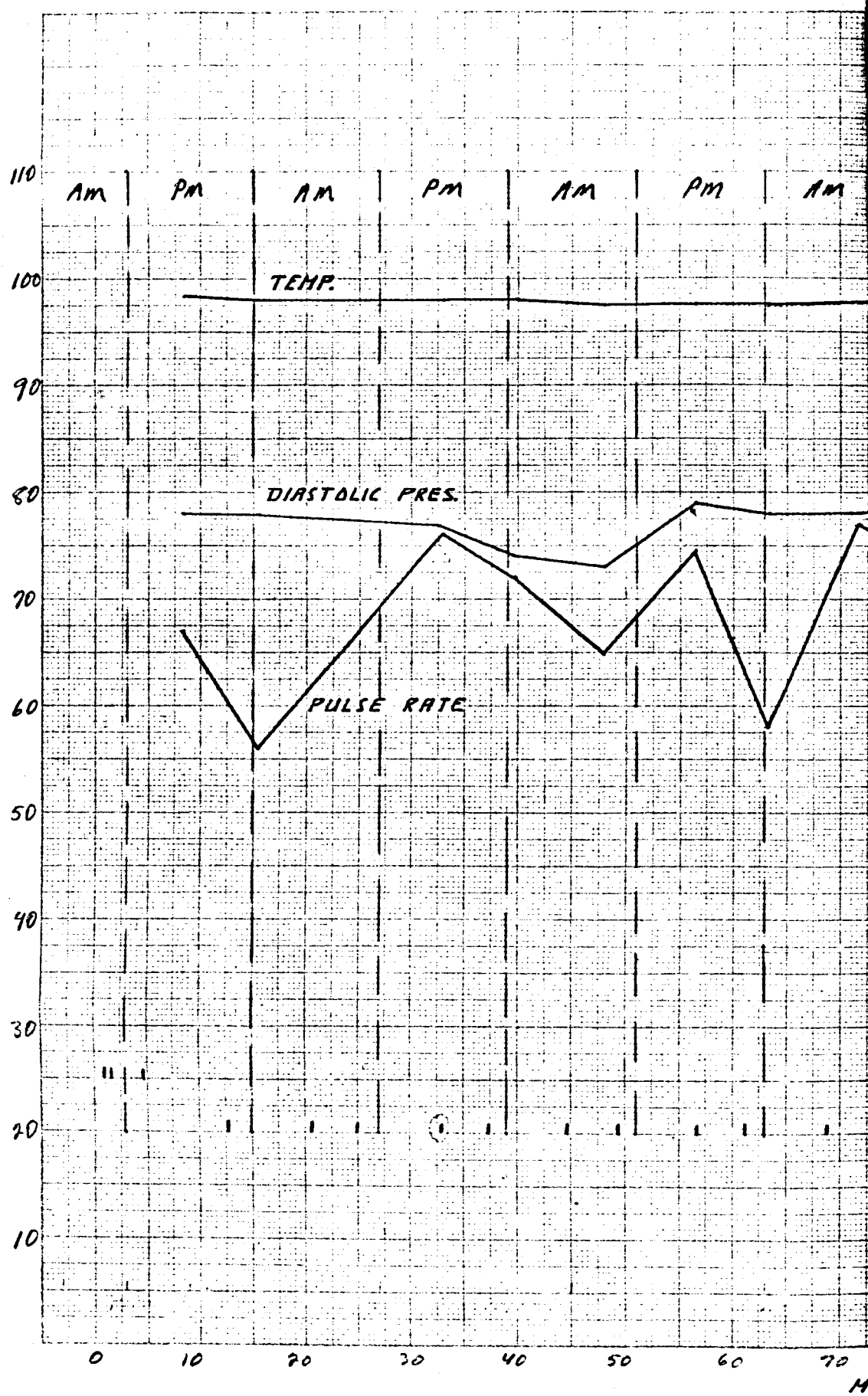
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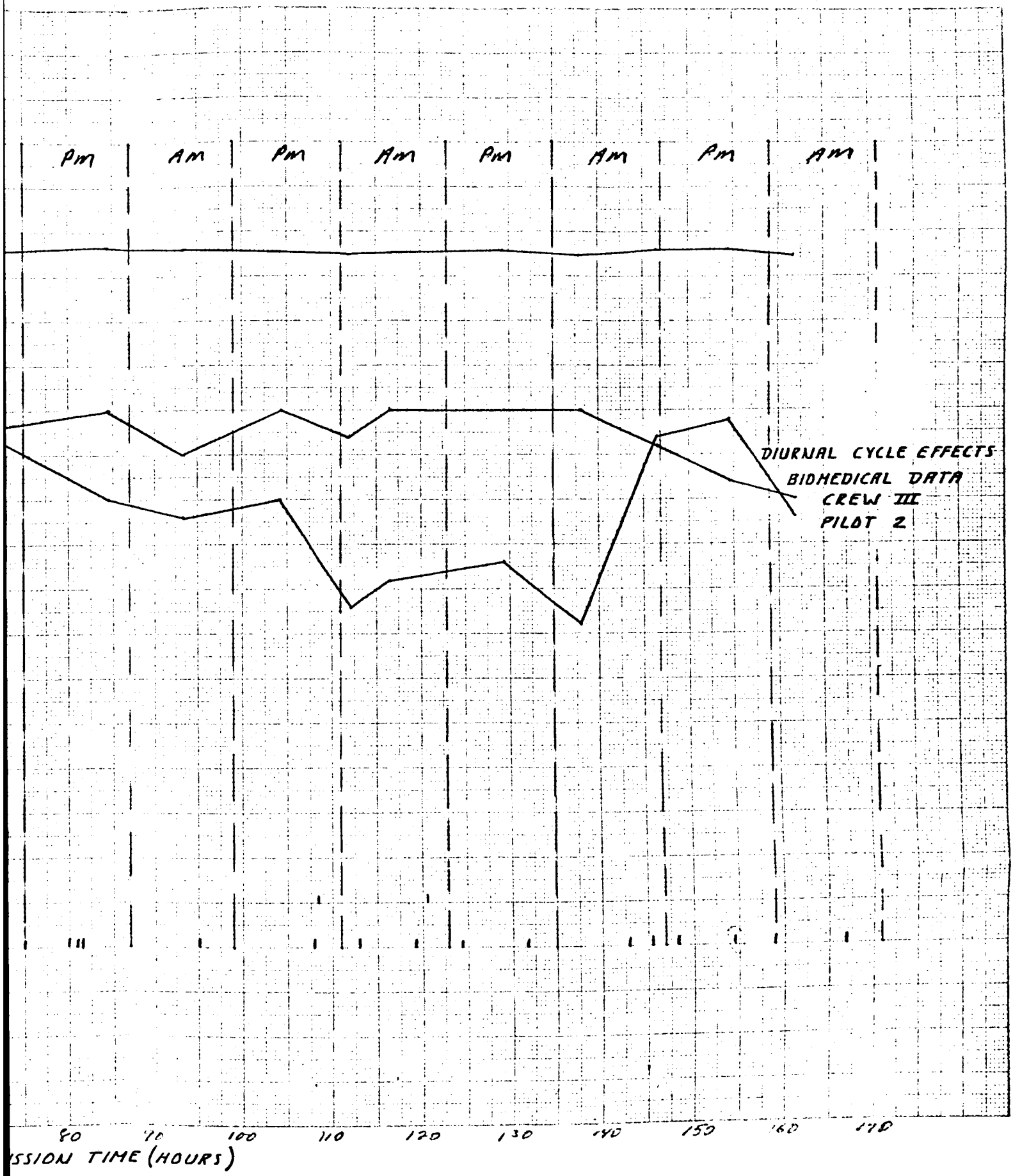
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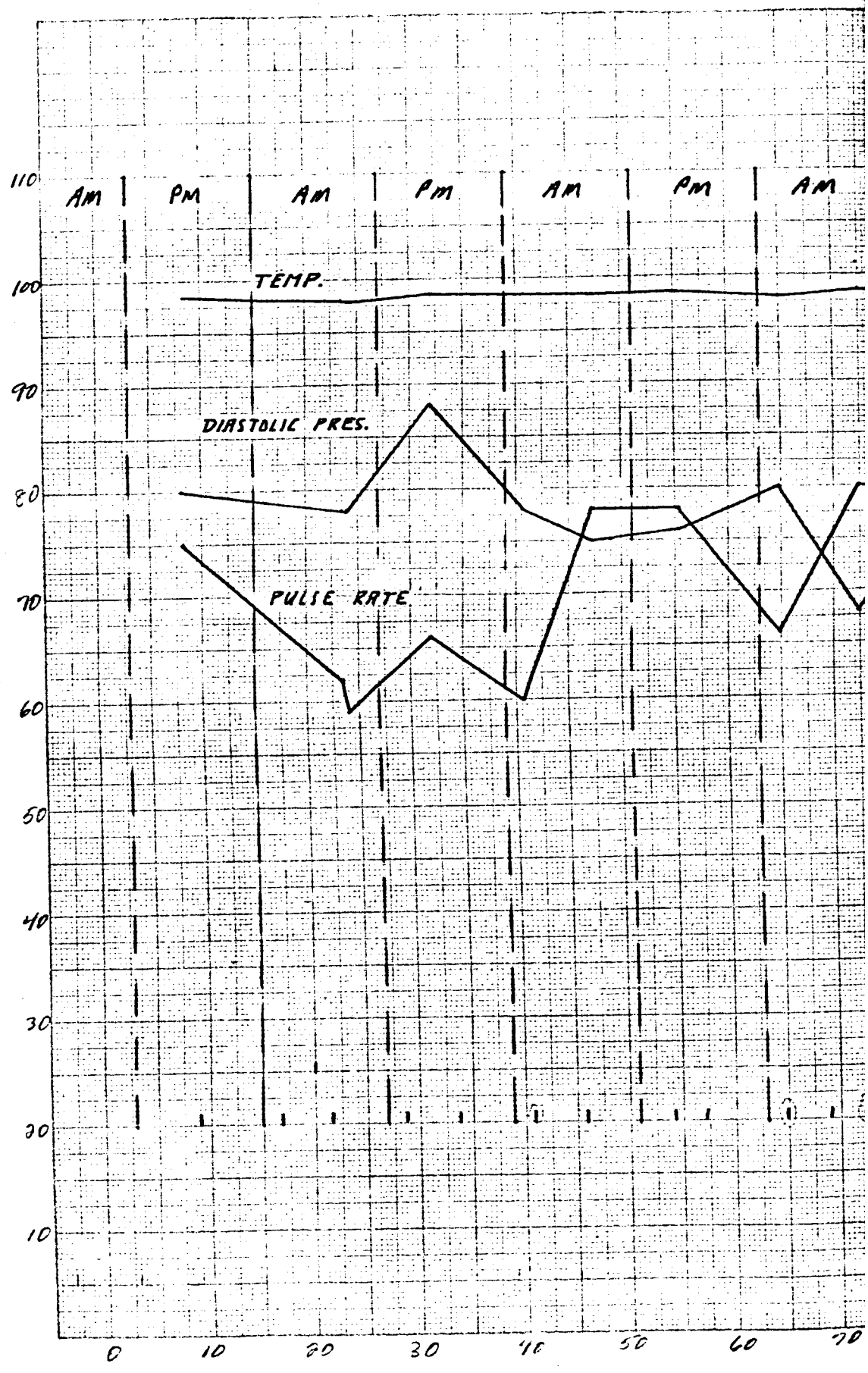
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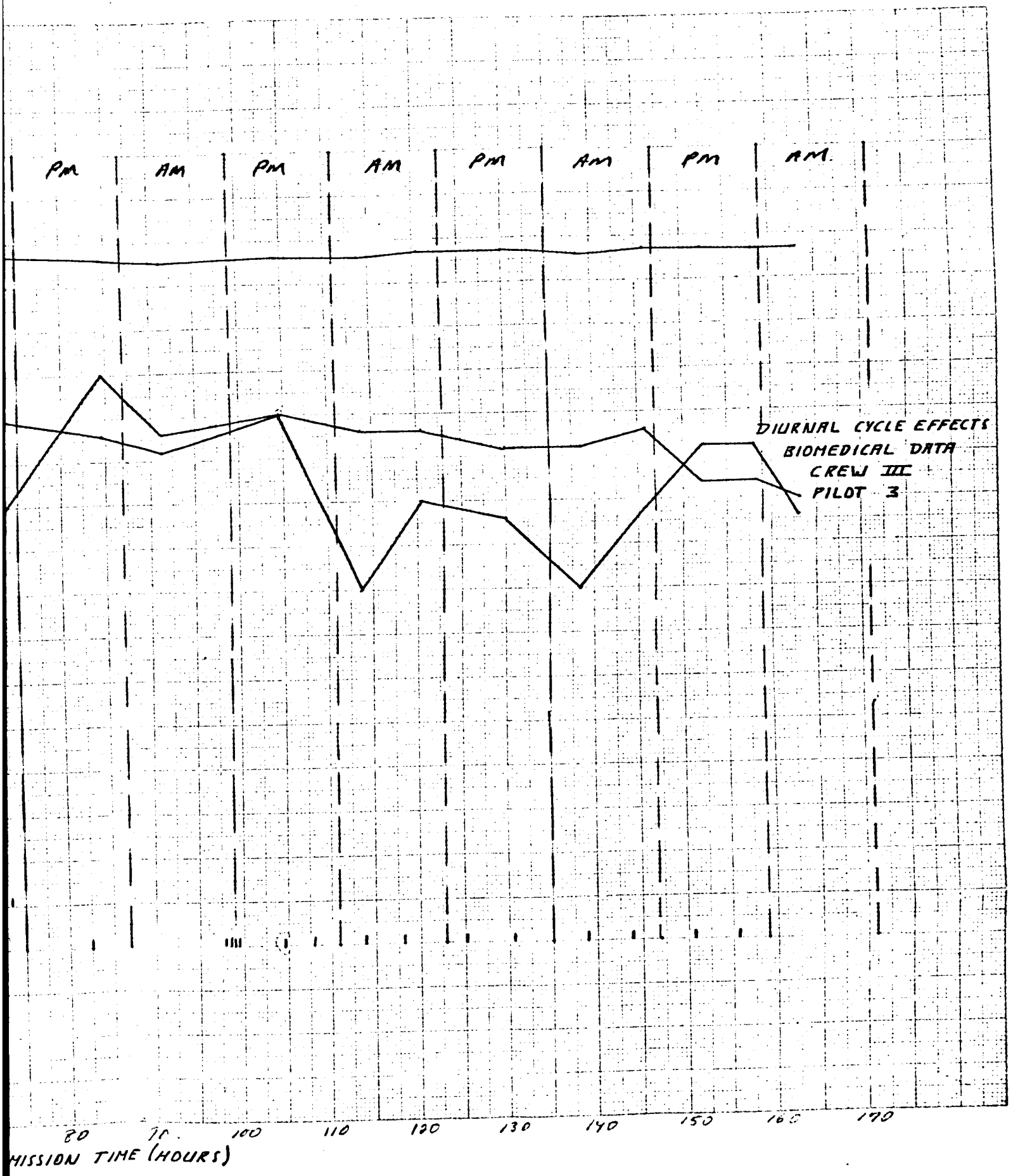
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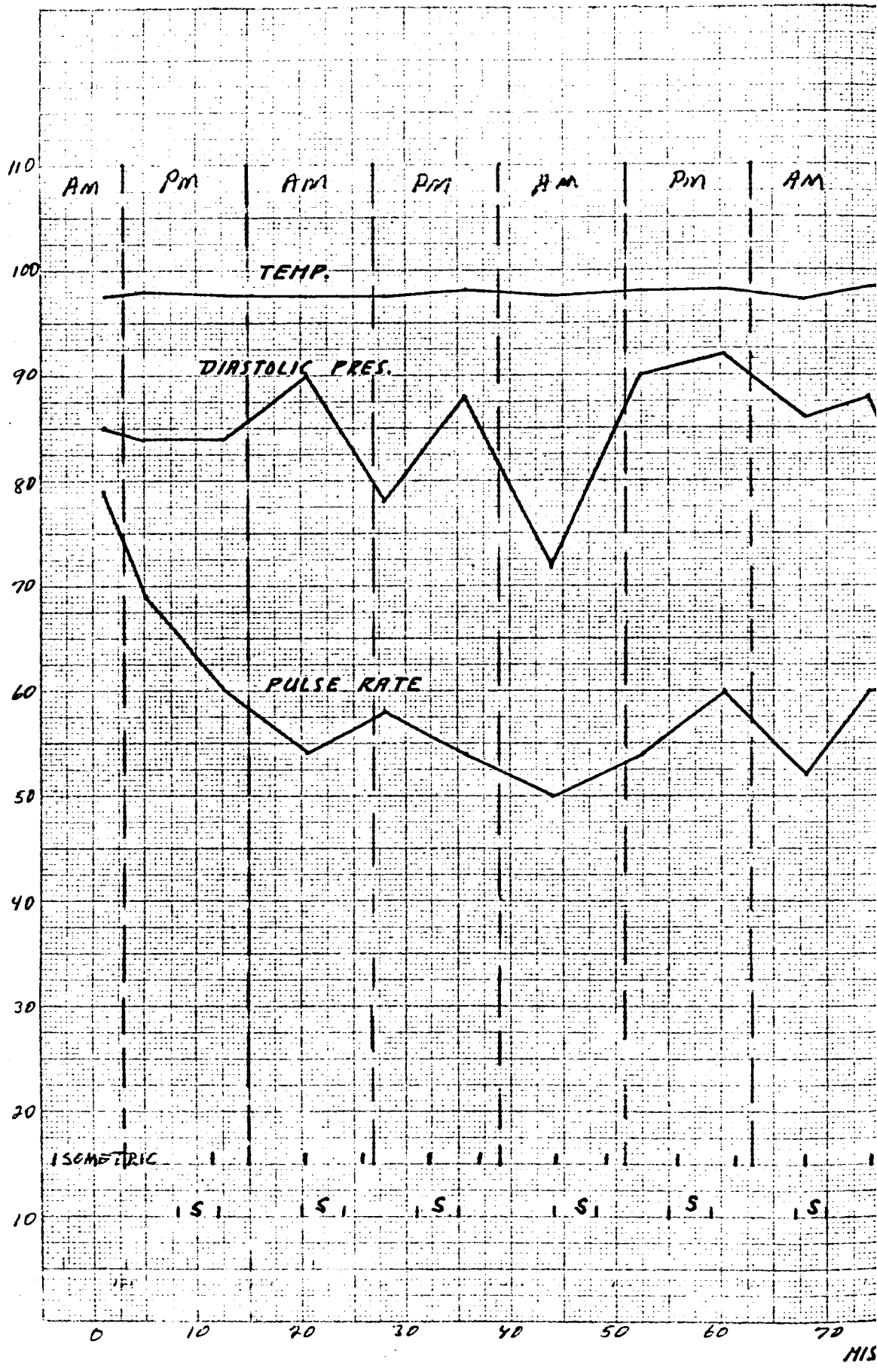
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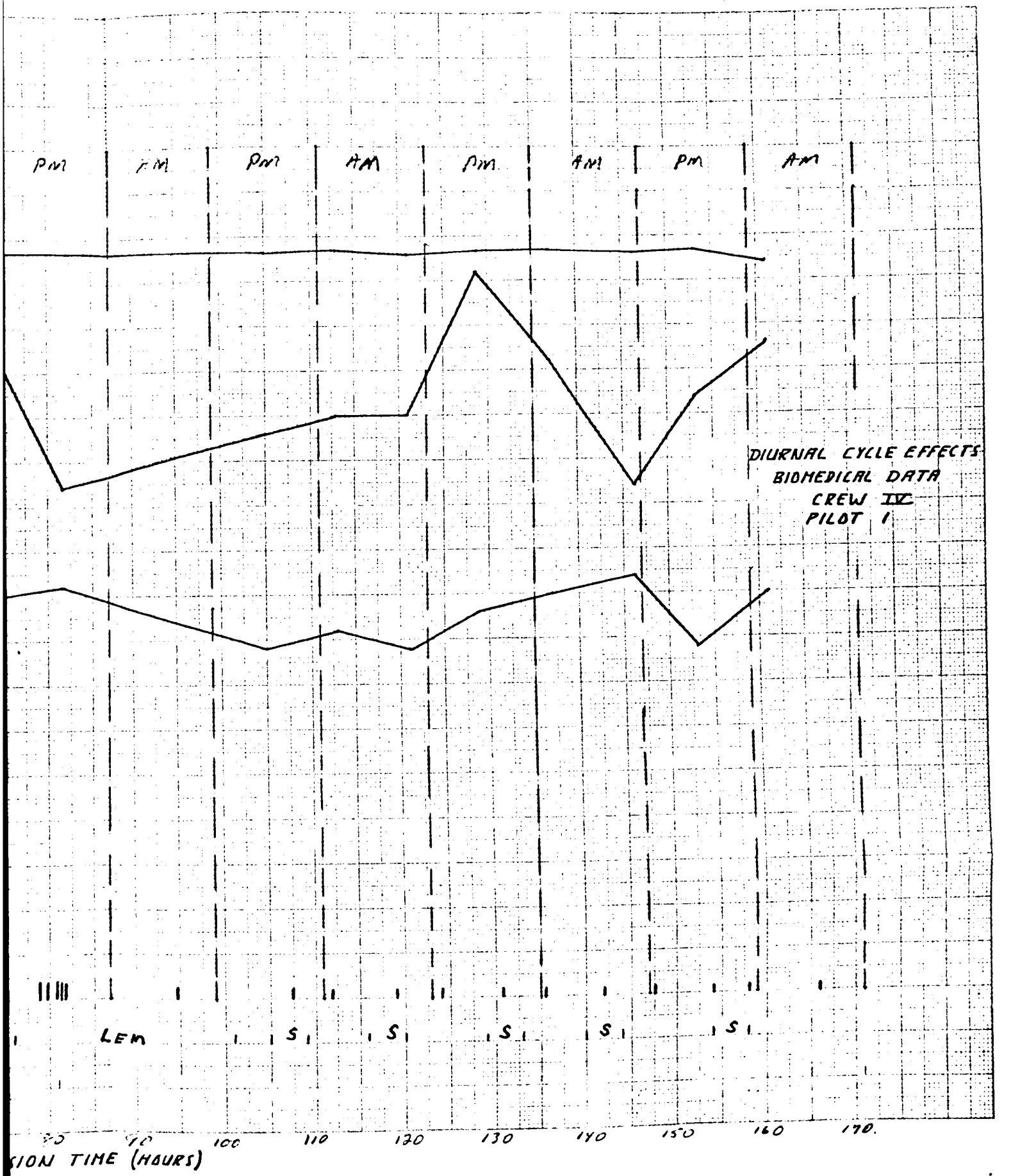
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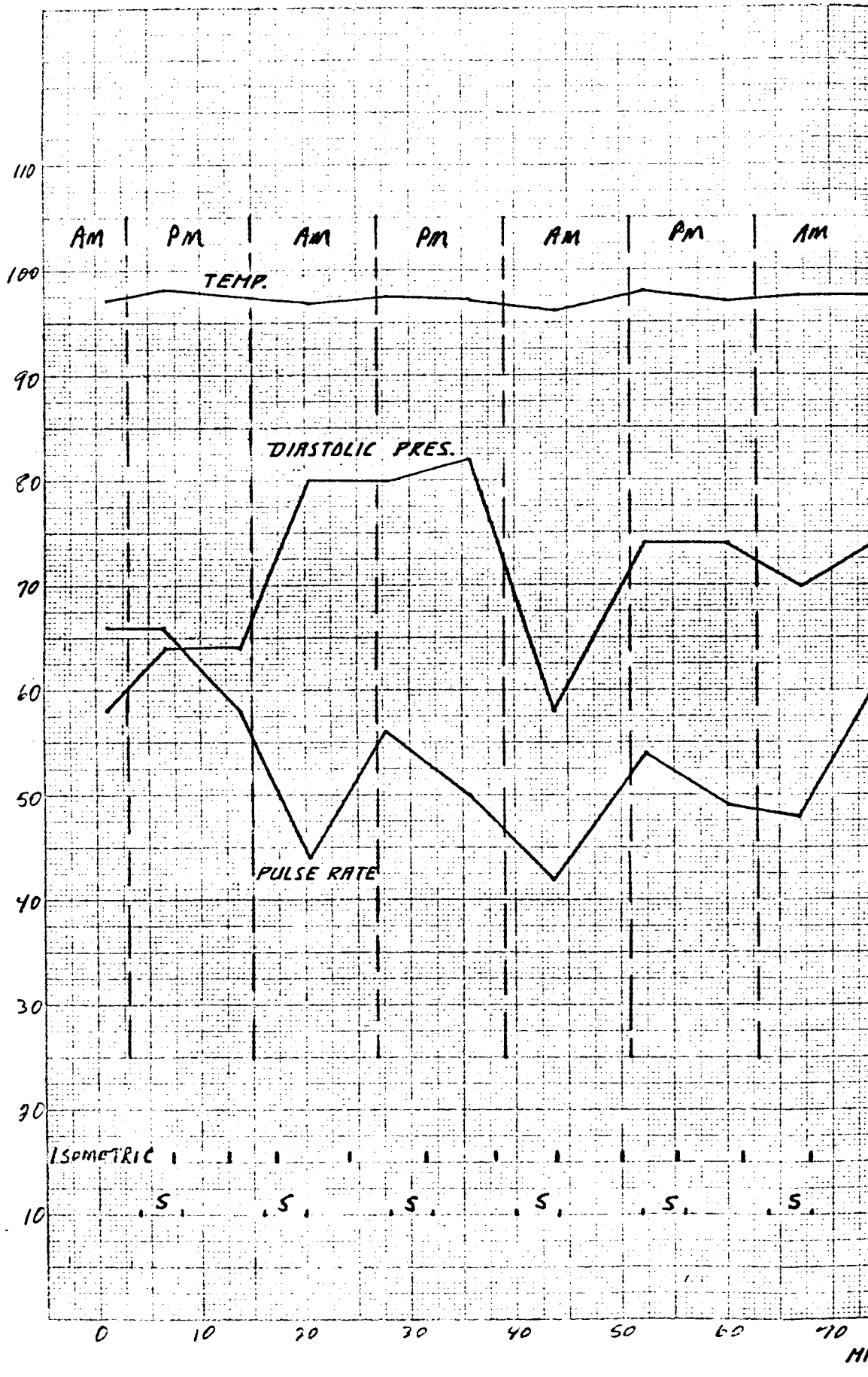
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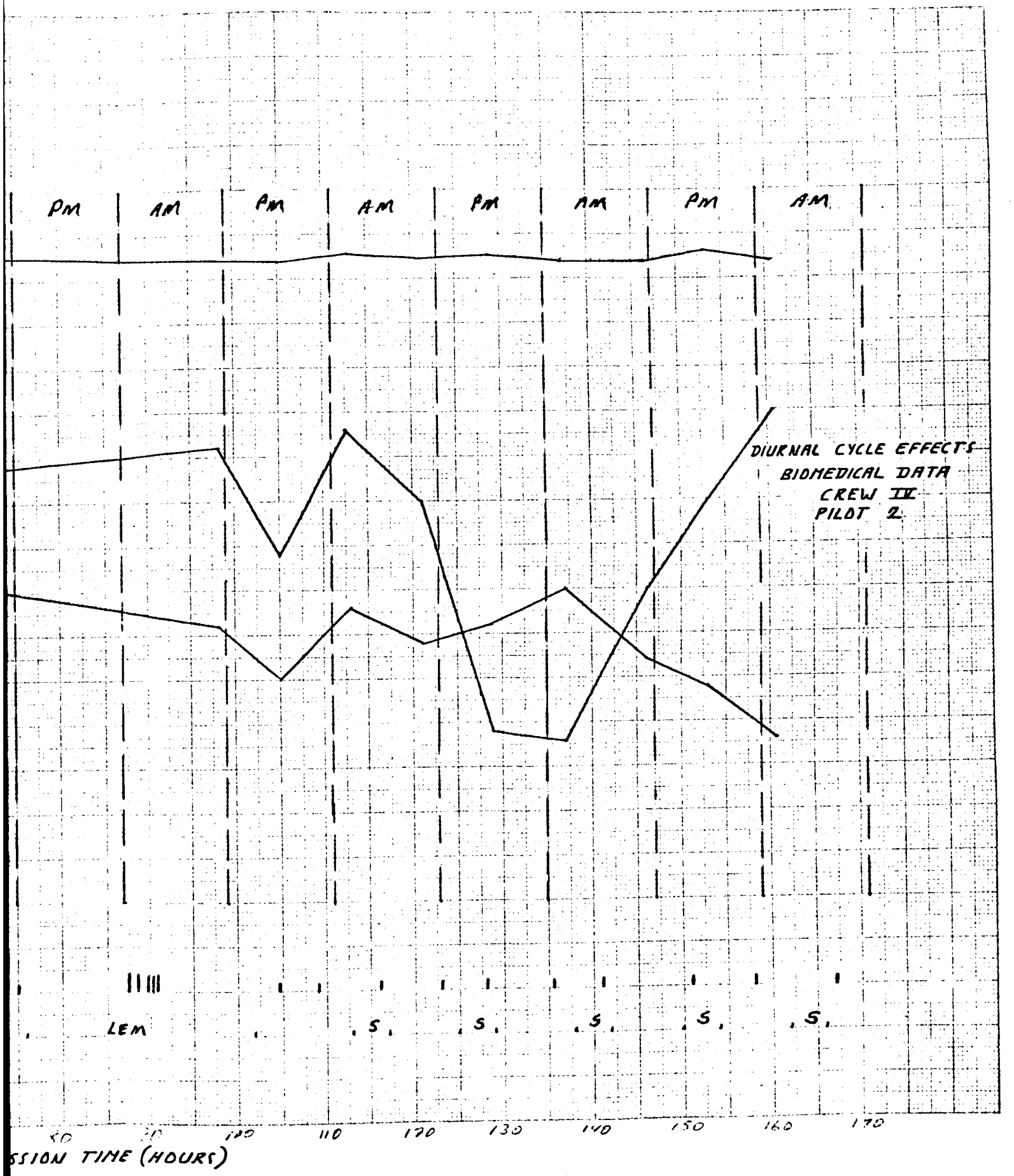
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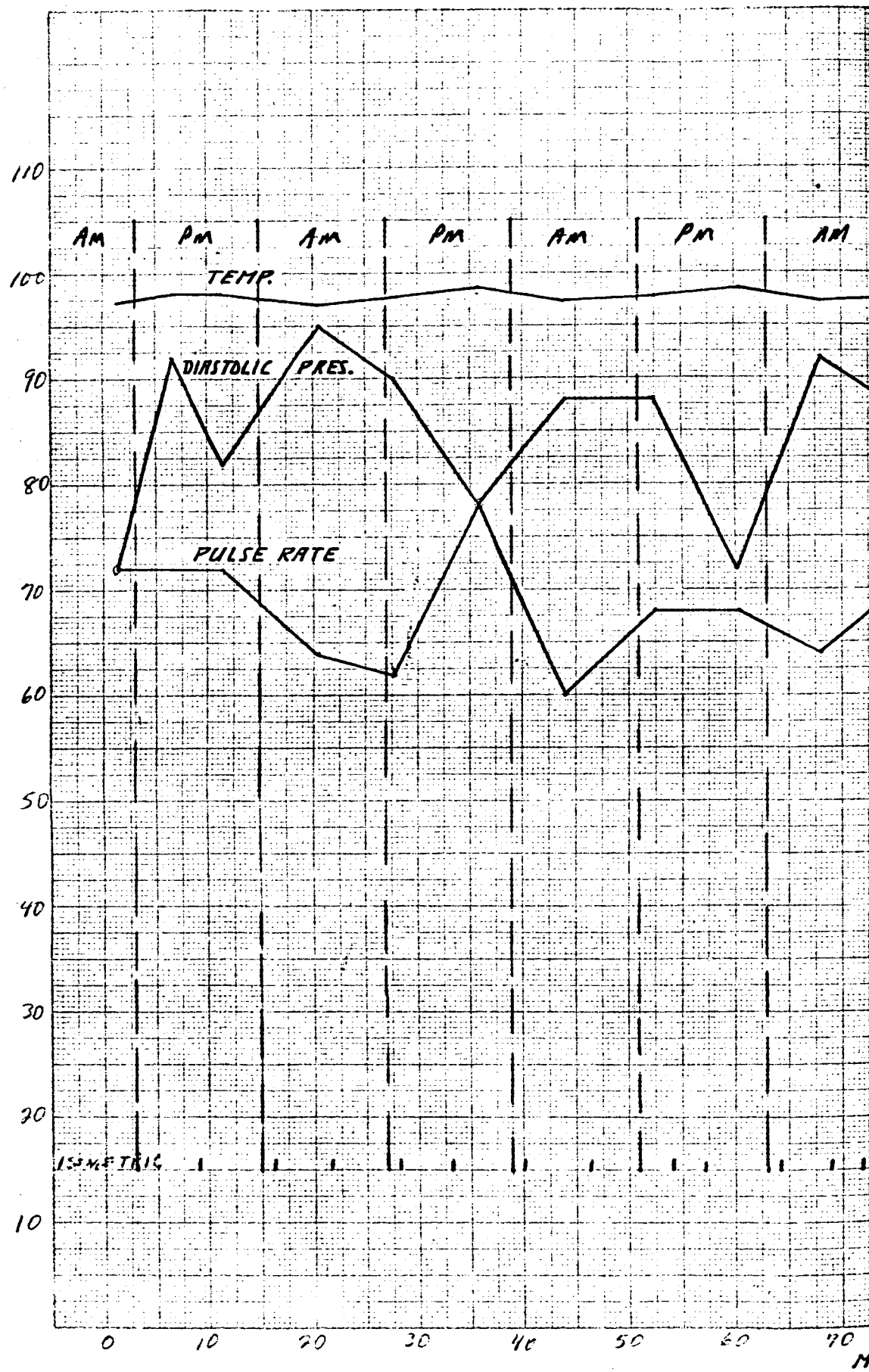
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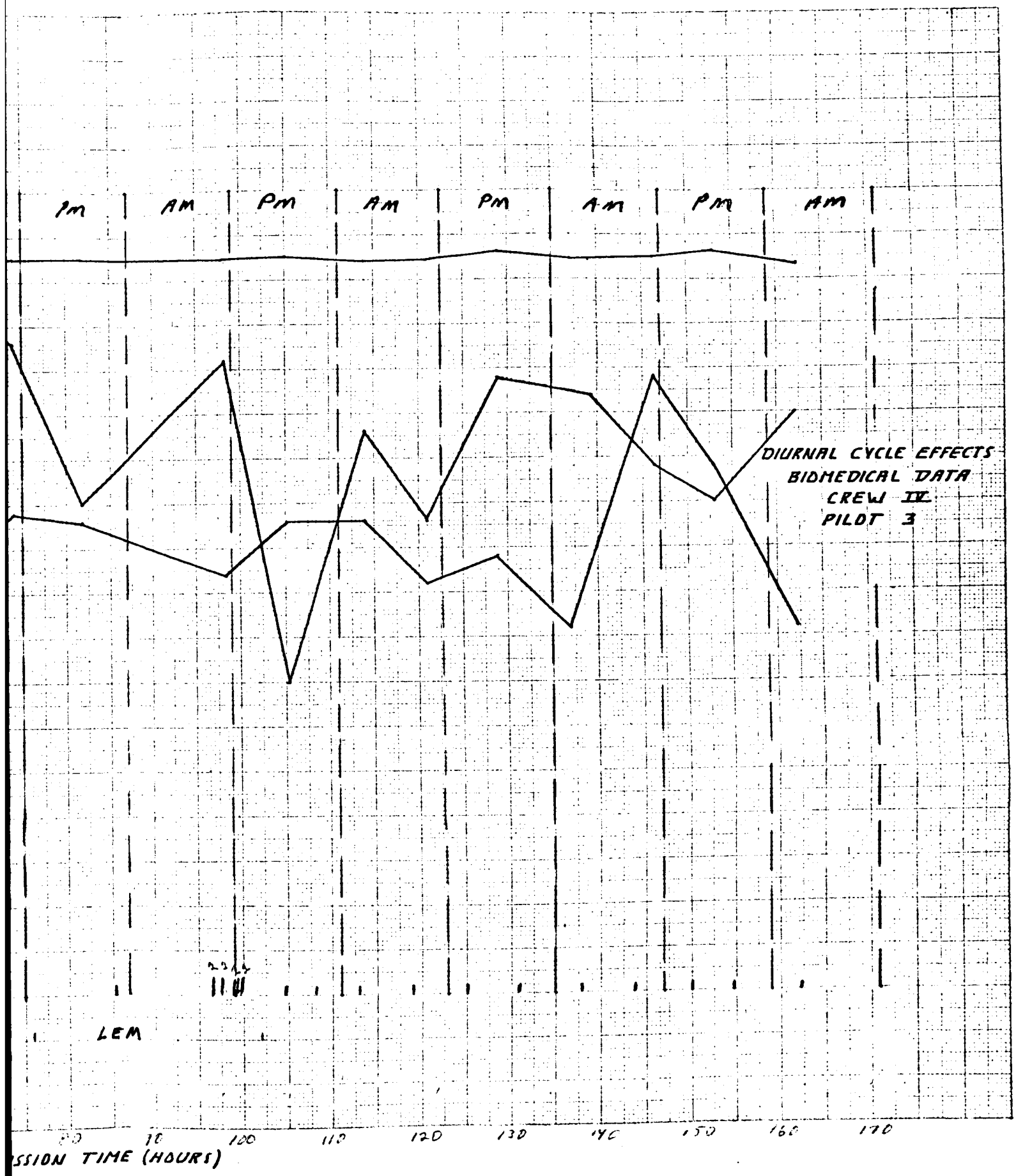
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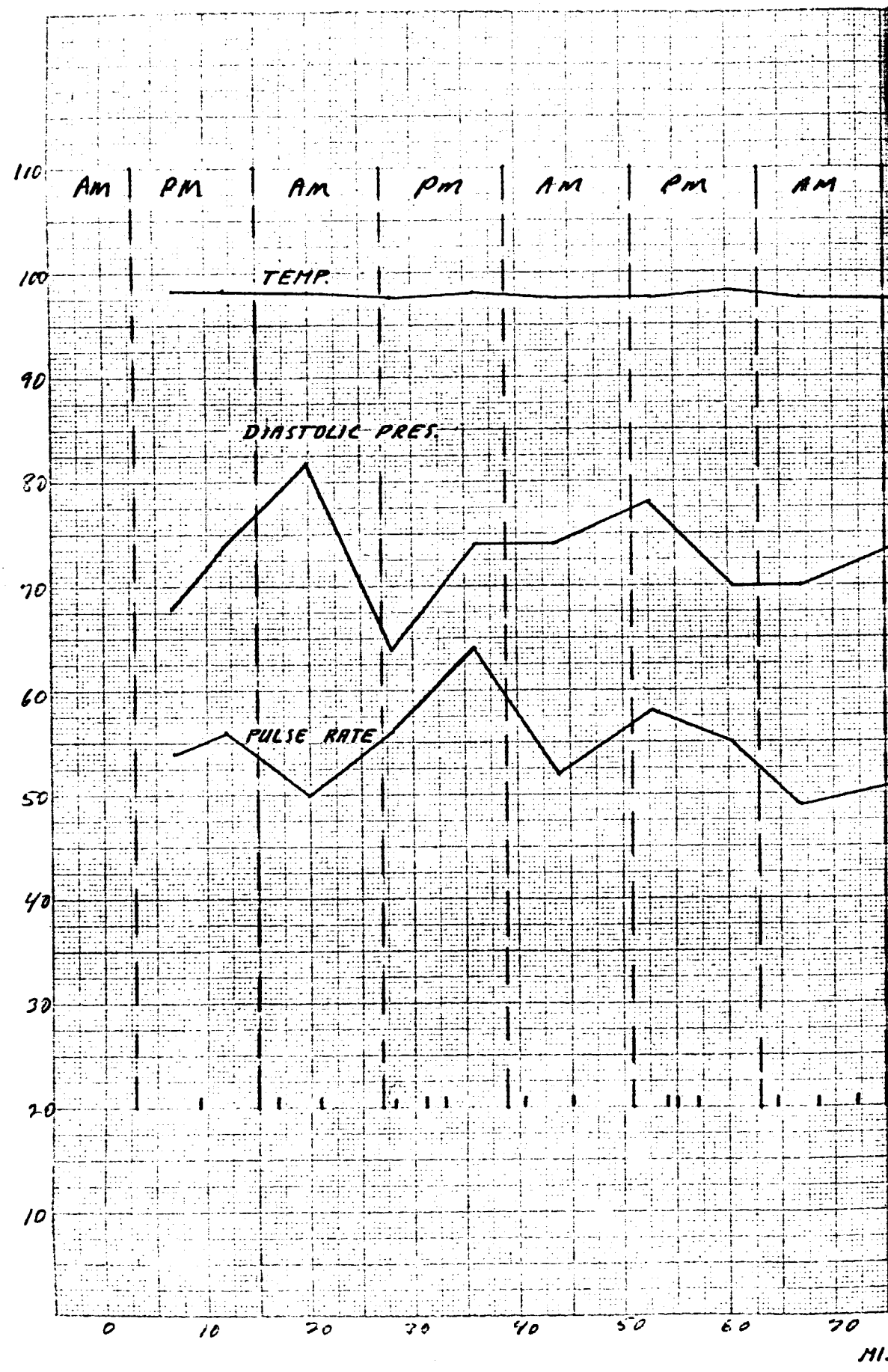
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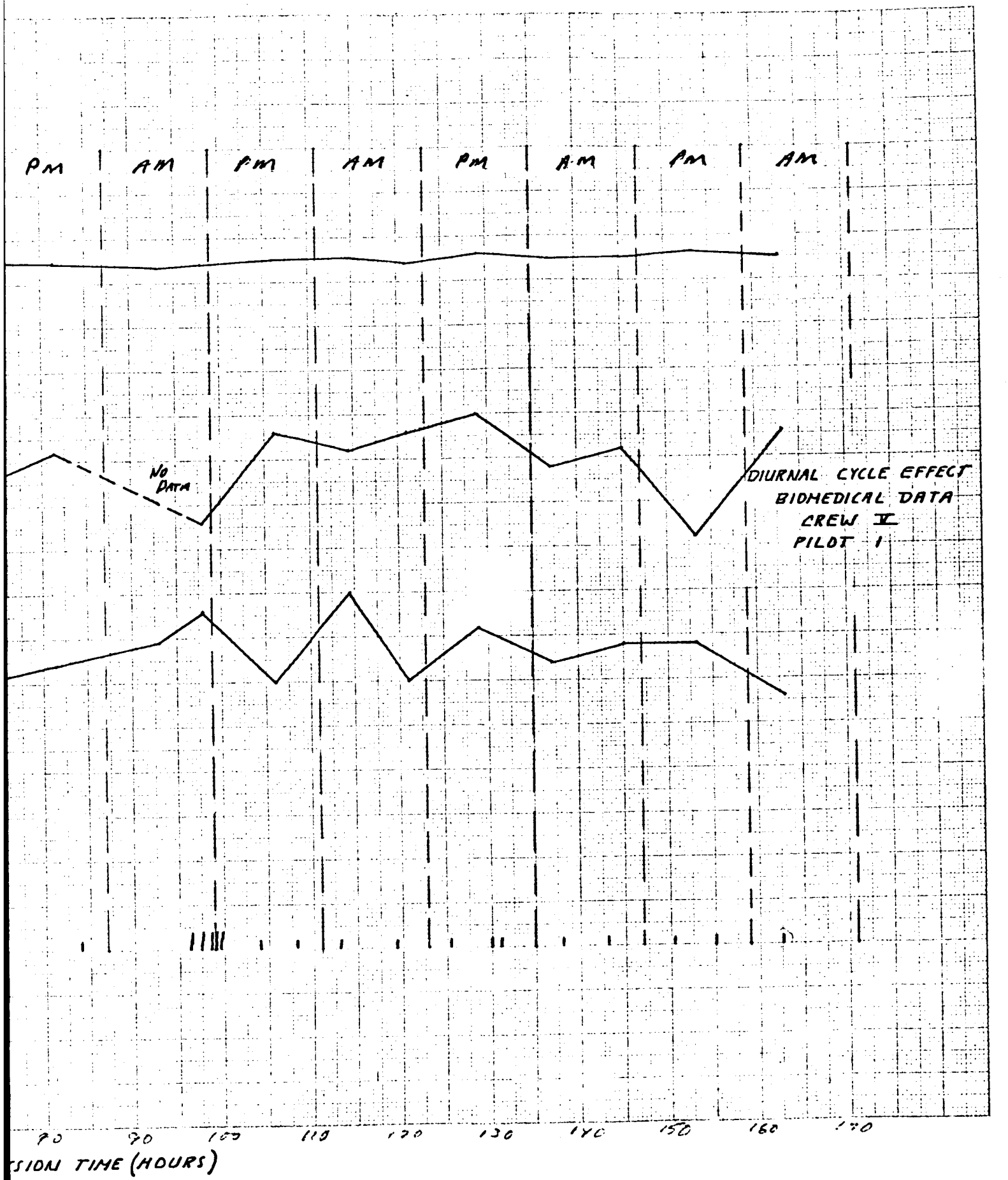
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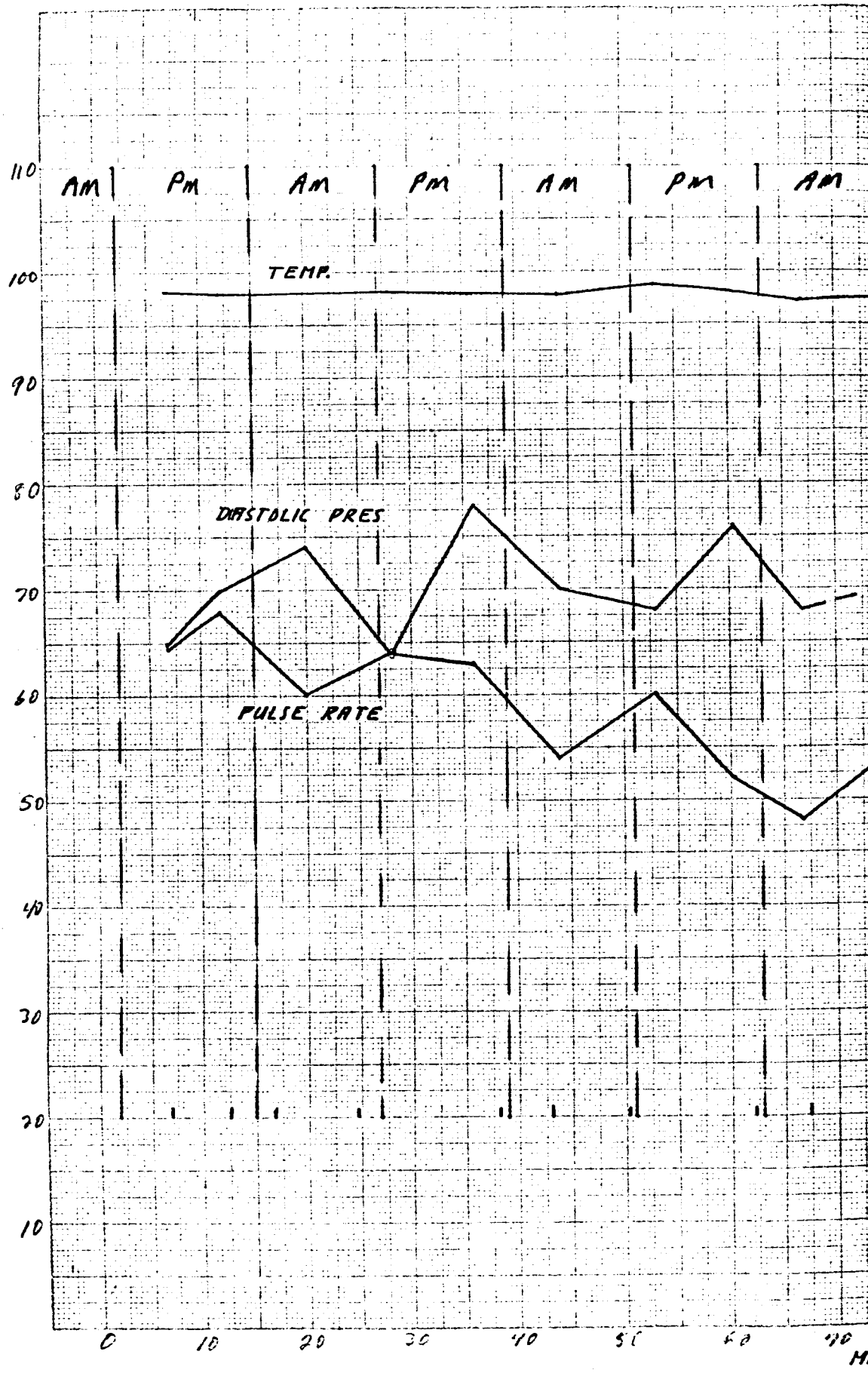
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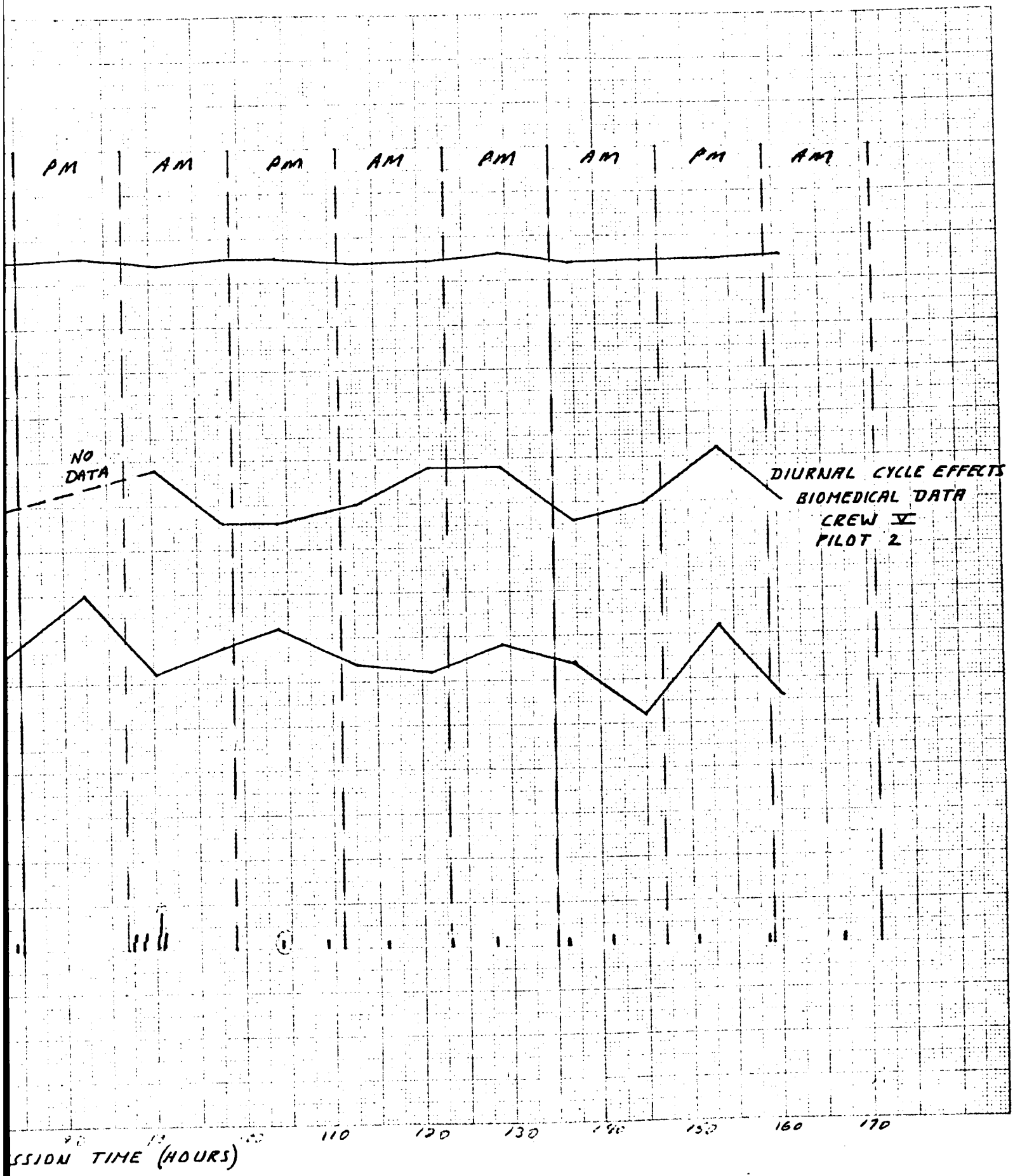
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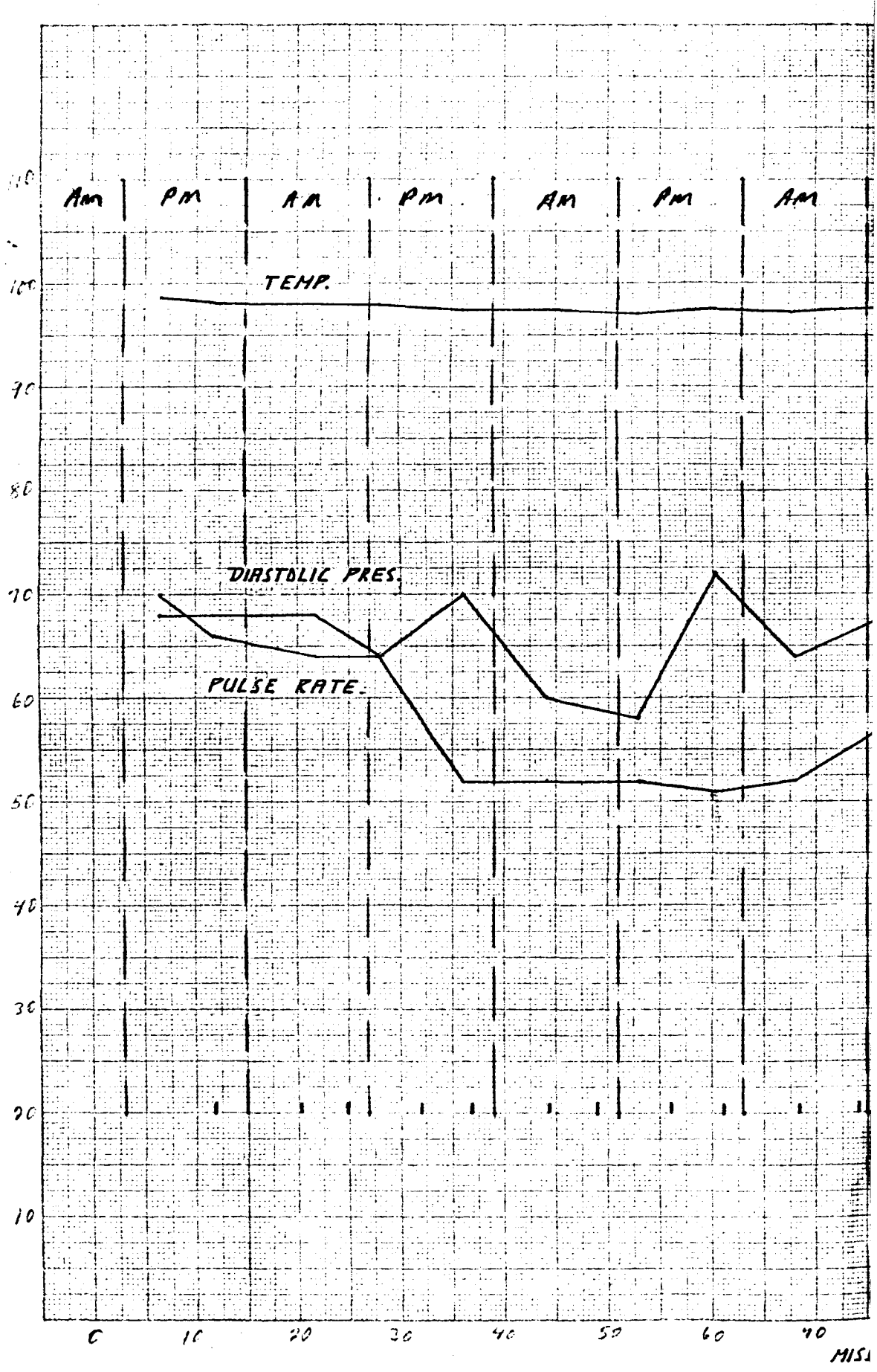
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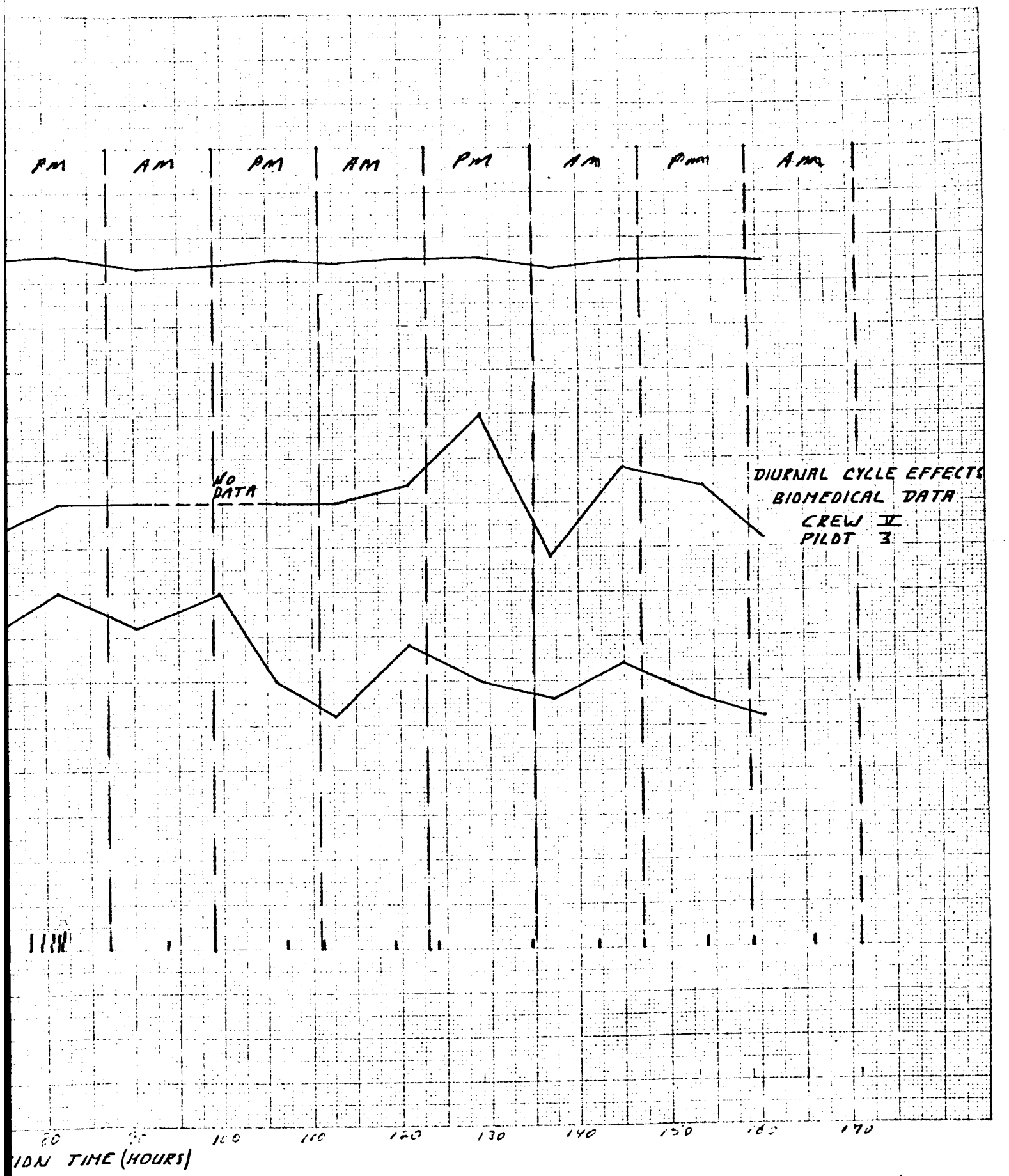
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