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HEXAGON/KENNEN

16 JUL 1975

HEXAGON/KENNEN
SEARCH PERFORMANCE STUDY

Simulation Results for Case IC-25

HEXAGON
Phase II Requirements:
1 HEXAGON Mission Per Year without
Mobile ICBM Areas

Distribution:
Cy 1 - [redacted] (SAFSP)
Cy 2 - [redacted] (CIA/ODSE)
Cy 3 - [redacted] (COMIREX)
Cy 4 - [redacted] (CIA/ODSE)
Cy 5 - [redacted] (NPIC)
Cy 6 - [redacted] (IC Staff)
Cy 7 - R. Kohler (CIA/ODSE)
Cy 8 - [redacted] (ASD(I))
Cy 9 - [redacted] (JA)
Cy 10 - [redacted] (NRO Staff)
Cy 11 - [redacted] (TCRS)

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SENSITIVE INTELLIGENCE SOURCES
AND METHODS INVOLVED

NATIONAL SECURITY INFORMATION
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Criminal Sanctions

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Impossible To Determine
(unless impossible, insert date or event)

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1.0 INTRODUCTION

This document presents the conditions and results of the Search Performance Study (SPS) simulation Case IC-25. See Reference 1.

The purpose of this run was to simulate HEXAGON performance against Phase II area collection requirements with one 180-day mission with a 180-day gap following the mission.

There was not adequate time to make a simulation run for a second mission. Experience from Cases IA-1 and IA-2, however, showed little difference in performance from one simulation year to the next. This status vs time plots and performance statistics for a second mission should therefore be similar to those for the first mission.

2.0 RUN CONDITIONS

The general ground rules and conditions of the Search Performance Study simulations are presented in Reference 1. The following discussions provide a summary of the more important conditions used in making the run.

Area Related Conditions

The standard Phase II SPS area model with 8 area reporting categories was used. HEXAGON was not tasked to operate against the five short-interval categories (301-305) since they were interpreted to be time-critical requirements and would therefore be accomplished [redacted]. No missile search areas (i.e., 314-317) were targetted for this case.

The collection objective was to maintain an 80% status on all area categories.

The collection constraints used for all areas were:

Minimum Sun Angle = 5°
Maximum Obliquity = 45°
Obliquity Deweighting = cosine of obliquity angle
Mode - 88.1% stereo

Population Demand Level (Minimum Age)

3 Month Areas

Mission Days	Minimum Age
0-51	≤ 90 days
52-150	≤ 75 days
151-180	≤ 0 days

4 Month Areas

Mission Days	Minimum Age
0-90	≤ 120 days
91-150	≤ 84 days
151-180	≤ 0 days

6 Month Areas

Mission Days	Minimum Age
0-120	≤ 180 days
121-180	≤ 54 days

12 Month Areas

Mission Days	Minimum Age
0-180	≤ 256 days

18 Month Areas

Mission Days	Minimum Age
0-180	≤ 436 days

Recovery Vehicle Duration = = 45 days

The pre-mission area status was initialized using HEXAGON mission 1208 data with confirmation dates adjusted to simulate a 180-day gap.

Target Relate Conditions

The standard SPS Target Model was used during the HEXAGON missions for accounting only. No photography was programmed specifically for point-target collection.

3.0 RESULTS

For each problem set having GRDs within HEXAGON's capability, the results presented herein consist of a one line per problem set (category) summary, GRD distributions for each problem set, and status vs time plots for each problem set.

The GRD distribution presented for areas is a cumulative composite of all areas. The NIIRS distributions are presented for individual area problem sets.

TABLE 1

H/K SPS SIMULATION TARGET CATEGORIES

Pri Code	Prob Set	Reqd GRD	Mode	Period (Days)	Reqd %	No. Tgts	Tgts/ Day	Problem Set Name
0	1	12	S	1	5	214	10.7	DIRECTED SPECIAL 12 S
0	2	24	S	1	13	207	26.7	RDT&E 24 S
0	3	24	M	1	15	158	23.5	I/W UR 24 M
0	4	24	M	1	10	159	16.4	I/W EE 24 M
0	5	24	M	1	10	18	1.8	I/W CH 24 M
0	6	24	M	1	26	132	34.4	I/W OTHER 24 M
0	7	24	M	1	8	59	4.9	RDT&E 24 M
0	8	36	M	1	17	557	93.9	I/W UR 36 M
0	9	36	M	1	21	59	12.3	I/W EE 36 M
0	10	36	M	1	11	189	20.6	I/W CH 36 M
0	11	36	M	1	21	91	18.9	I/W OTHER 36 M
1	12	6	S	30	80	315	8.5	S&T ST. OFF 6 SA
1	13	6	S	30	20	158	1.1	S&T ST. OFF 6 SB
1	14	6	S	30	80	133	3.5	S&T ST. DEF 6 SA
1	15	6	S	90	50	150	.8	S&T ST. DEF 6 SB
* 1	16	6	S	1	10	193	19.3	S&T TE 6 S
1	17	6	S	90	47	423	2.2	GPT/PROD 6 SA
1	18	6	S	30	80	99	2.6	GPT/PROD 6 SB
1	19	6	S	90	76	85	.9	MIL. ELECT 6 S
1	20	6	S	180	12	115	.1	NUCLEAR 6 S
1	21	12	S	90	25	58	.2	S&T ST. OFF 12 S
1	22	12	S	90	51	87	.5	S&T SPACE 12 S
1	23	12	S	180	15	183	.2	NUCLEAR 12 S
1	24	36	S	180	67	112	.4	NUCLEAR 36 S
1	25	36	M	180	50	74	.2	NUCLEAR 36 M
2	26	6	S	90	20	296	.7	SALT TECH 6 S
2	27	12	S	90	13	1598	2.3	ICBM SS 12 S
2	28	12	S	90	90	176	1.8	ICBM FGX 12 S
2	29	12	S	90	38	65	.3	MISSILE SUB 12 S
2	30	12	S	90	50	45	.3	LONG RANGE AIR 12 S
2	31	12	S	90	90	49	.5	ARM DEV 12 S
2	32	12	S	90	70	296	2.3	SALT TECH 12 S
2	33	12	S	90	12	1451	1.9	SALT SS 12 S
2	34	12	S	90	90	92	.9	SALT FGX 12 S
2	35	12	S	90	68	137	1.0	ACFT/DIRECT PROD 12 S
2	36	12	S	90	13	355	.5	SALT/MTL-1/BRNCH 12 S
2	37	12	S	180	17	1067	1.0	DEF ACFT/RADARS 12 S
2	38	12	S	365	6	4259	.7	SAM FORCES 12 S

* This category will be treated as 6" mandatory. The 10% satisfaction is considered to be a representative percentage only.

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TABLE 1 (cont'd)

Pri Code	Prob Set	Reqd GRD	Mode	Period (Days)	Reqd %	No. Tgts	Tgts/ Day	Problem Set Name
2	39	30	S	30	90	35	1.1	MISSILE SUB 30 S
2	40	30	S	90	61	216	1.5	NATNL/SRF CSC 30 S
2	41	30	S	90	75	421	3.6	SRF/NAVAL/GND PROD 30 S
2	42	30	S	180	90	66	.7	I/MREM SPT 30 S
2	43	48	S	365	90	502	1.2	GP FORCE HQS CCC 48 S
2	44	48	S	90	90	355	3.6	SALT/MIL-I/MREM 48 S
2	45	48	S	90	60	608	4.0	DEF RADAR/SA-5 48 S
2	46	48	S	180	90	95	.5	LONG RANGE AIR 48 S
2	47	24	M	30	90	292	8.9	SALT TECH 24 M
2	48	30	M	180	90	45	.2	LONG RANGE AIR 30 M
2	49	30	M	180	90	1551	7.8	ICBM SS 30 M
2	50	30	M	365	90	30	.1	MISSILE SUB 30 M
2	51	30	M	180	90	1451	7.3	SALT SS 30 M
2	52	30	M	30	29	1283	12.6	NBFR
2	53	30	M	180	90	336	1.7	SALT OTHER P2 30 M
2	54	48	M	90	46	4775	24.3	DEFENSIVE P2 48 M
3	55	12	S	365	6	6284	1.0	GPF-GROUND 12 S
3	56	12	S	180	43	563	1.4	GPF-NAVAL 12 S
3	57	12	S	180	90	229	1.1	GPF-AIR 12 S
3	58	12	S	365	10	864	.2	SUPPORT CAP 12 S
3	59	30	S	180	90	54	.3	GPF-NAVAL SUBS 30 S
3	60	30	M	365	90	5047	12.4	GPF-GROUND 30 M
3	61	30	M	90	54	516	3.1	GPF-NAVAL SURFACE 30 M
3	62	30	M	180	90	567	2.8	GPF-AIR 30 M
3	63	48	M	180	45	1262	3.2	GPF-GROUND 48 M
3	64	48	M	180	90	683	3.4	GPF-AIR 48 M
3	65	48	M	365	90	1697	4.2	SUPPORT CAP 30 M
4	66	12	S	90	20	906	2.0	ECONOMIC 12 S
4	67	36	S	180	80	1121	5.0	ECONOMIC 36 S
4	68	24	M	30	75	202	5.1	ECONOMIC 24 M
4	69	48	M	90	75	202	1.7	ECONOMIC 48 M
5	70	24	M	90	10	324	.4	BASE TGTS 24 M
5	71	48	M	365	88	7462	18.0	BASE TGTS 48 M

Table 2

H/K SPS Simulation (Phase II) Area Categories

Cat.	Name	Period	No. Cells	Area (sq. N.M.)
301	10-Day High Frequency Clusters	10 days	26	5,356
302	15-Day High Frequency Clusters	15 days	38	7,828
303	20-Day High Frequency Clusters	20 days	80	16,480
304	25-Day High Frequency Clusters	25 days	26	5,356
305	30-Day High Frequency Clusters	30 days	312	63,242
306	All Clusters	3 mos	882	179,046
307	All USSR Clusters	3 mos.	691	140,273
308	All PRC Clusters	3 mos.	102	20,706
309	All Built-Up	6 mos.	20,637	4,189,311
310	All Core Built-Up	6 mos.	14,274	2,897,622
311	All Perimeter Built-Up	6 mos.	6,363	1,291,689
312	All Undeveloped	12 mos.	16,711	3,392,333
313	All Remote	18 mos.	16,112	3,270,736

Table 3

SPS HEXAGON IDF QUALITY DISTRIBUTIONS (ALL CASES)

	Requirement Area	Fraction of Imagery at NIIRS or Better					
		6	5	4	3	2	1
306	All Clusters	.019	.254	.796	.986	1.000	1.000
307	All USSR Clusters	.024	.299	.843	.992	1.000	1.000
308	All PRC Clusters	.003	.112	.646	.958	1.000	1.000
309	All Built-Up	.014	.199	.748	.980	1.000	1.000
310	All Core Built-Up	.014	.199	.748	.980	1.000	1.000
311	All Perimeter Built-Up	.014	.199	.748	.980	1.000	1.000
312	All Undeveloped	.006	.155	.639	.967	.997	1.000
313	All Remote	.002	.126	.563	.956	.995	1.000

References

1. BYE-12671-75, "Definition of Simulation Conditions for the HEXAGON/KENNEN Search Performance Study," SPS Task 6 Working Group, January 1975.

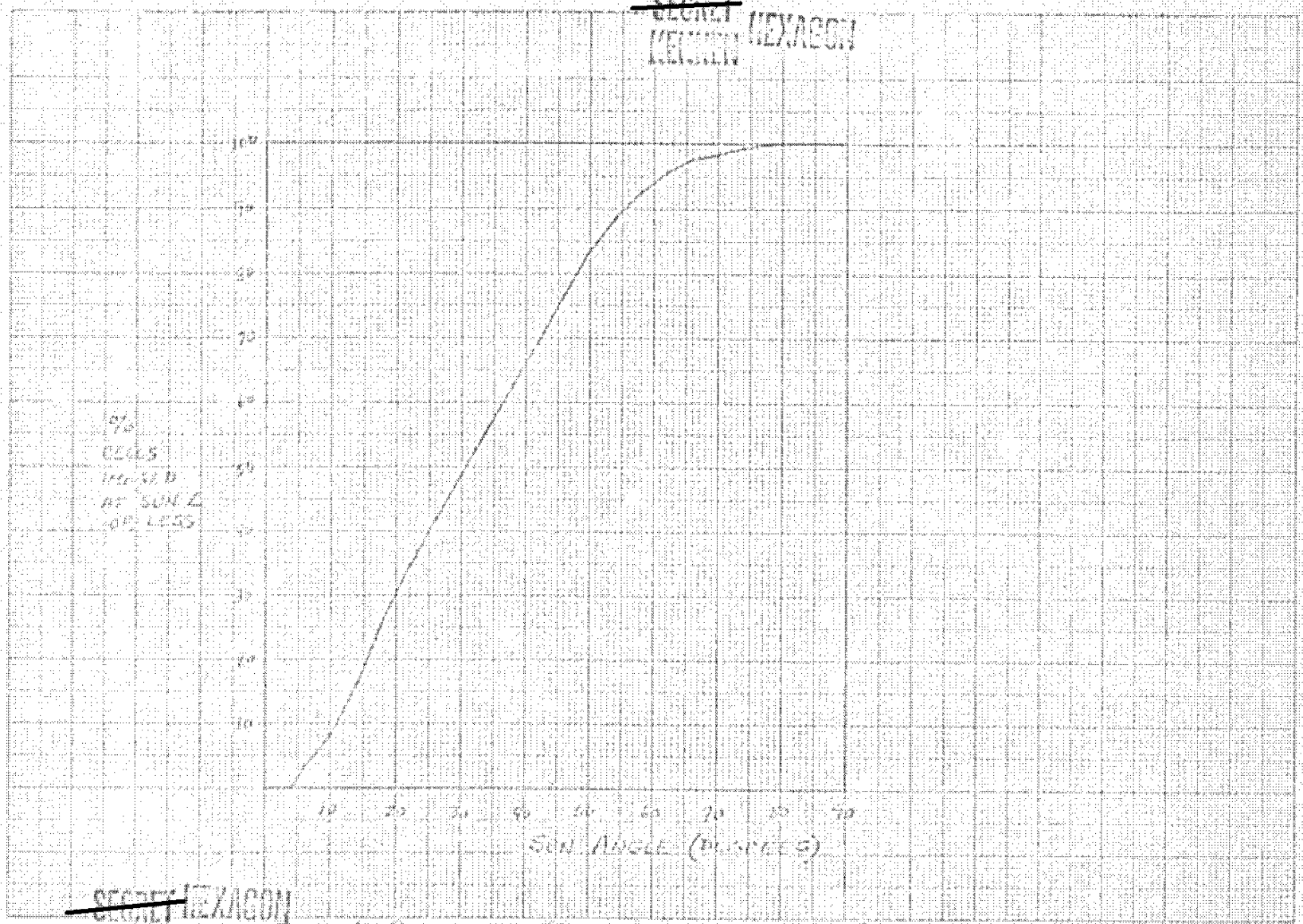

FIGURE 1 CUMULATIVE DISTRIBUTION OF SUN ANGLE FOR 150 DAY HEXAGON MISSION WITH LAUNCH LAUNCH

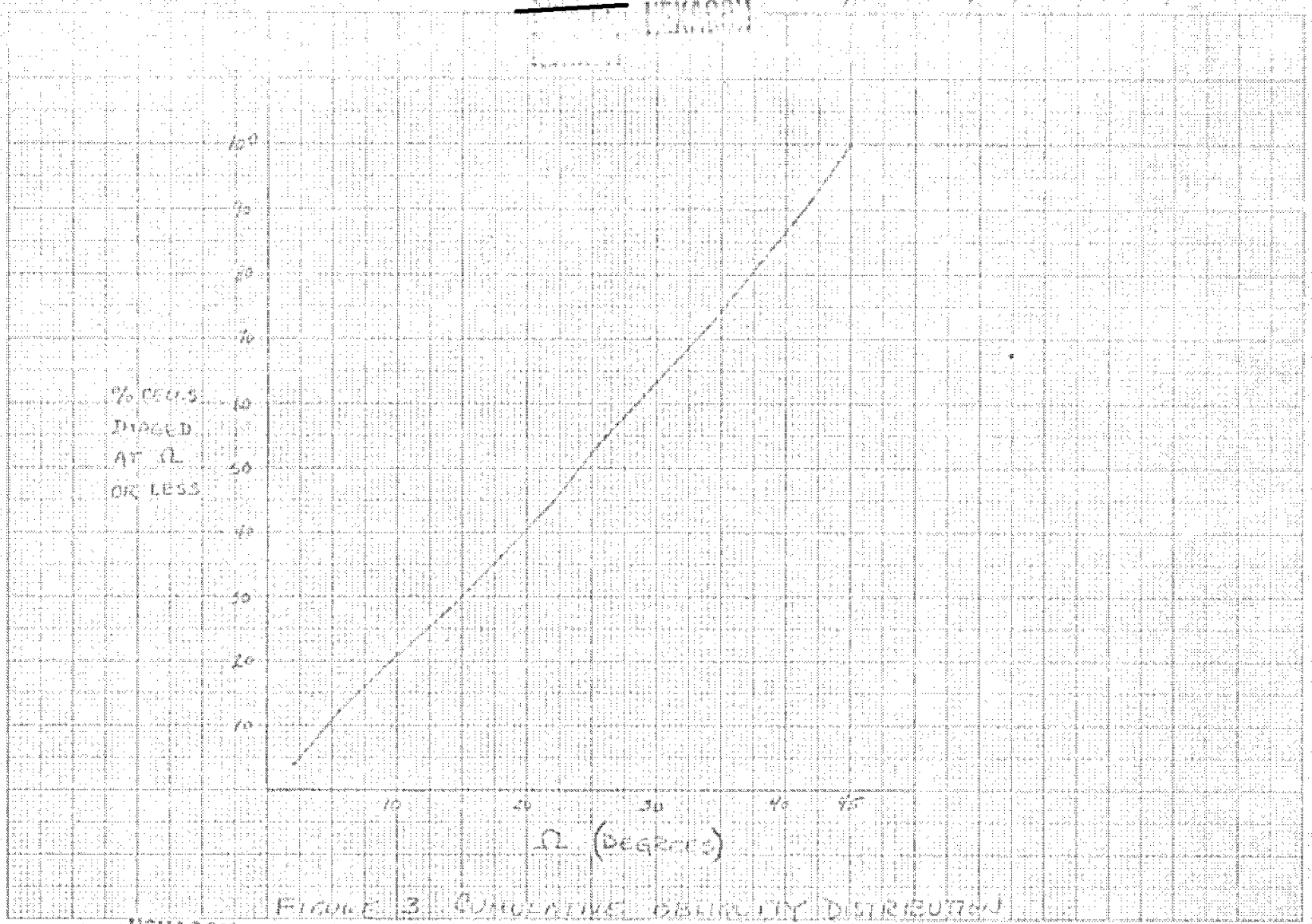

FIGURE 3 CUMULATIVE DISTRIBUTION
FOR 180 DAY HEXAGON MISSION
(APPLIES TO ALL SPS HEXAGON RUNS)

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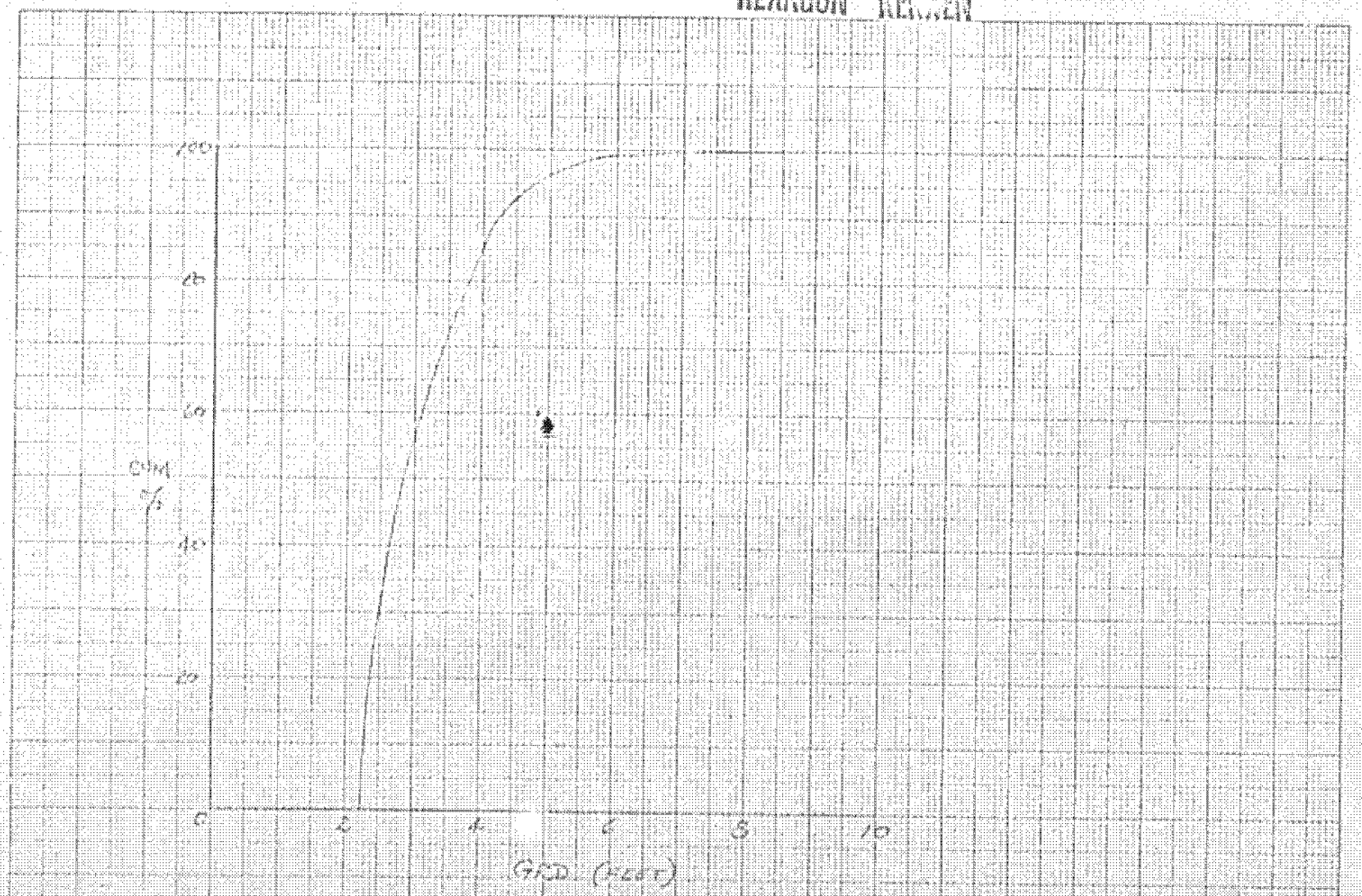

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FIGURE 4A CUMULATIVE GAD DISTRIBUTION

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CATEGORY SUMMARY
CASE IC
RUN 25 (180 DAY SIMULATION)

CAT	MAX GRO	MODE	REQD %	PERIOD	AVE. GRO CLOUD FREE	AVE. ACC 1/2 PER	AVE ACCOMP	AVE. ACC 2*PER	ACCOMP/ REQD %	TOT.TGTS SELECTED	AVE.TGTS SEL/DAY	TOT.TGTS VERIFIED	AVE.TGTS VERF/DAY	PROJ NO. CF/YR
1	19	S	5.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
2	24	S	13.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
3	24	M	15.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
4	24	M	10.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
5	24	M	10.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
6	24	M	26.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
7	24	M	8.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
8	36	M	17.0	1	30.903	0.0	0.6	1.2	0.04	0	0.0	0	0.0	0.
9	36	M	21.0	1	29.728	0.0	0.8	1.6	0.04	0	0.0	609	3.4	1235.
10	36	M	11.0	1	29.686	0.0	0.5	1.0	0.05	0	0.0	84	0.5	170.
11	36	M	21.0	1	28.554	0.0	1.0	2.1	0.05	0	0.0	176	1.0	357.
12	19	S	80.0	30	0.0	0.0	0.0	0.0	0.0	0	0.0	165	0.9	335.
13	19	S	20.0	30	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
14	19	S	80.0	30	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
15	19	S	50.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
16	19	S	10.0	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
17	19	S	47.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
18	19	S	80.0	30	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
19	19	S	76.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
20	19	S	12.0	180	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
21	19	S	25.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
22	19	S	51.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
23	19	S	15.0	180	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
24	36	S	67.0	180	30.037	27.1	34.3	34.3	0.51	0	0.0	0	0.0	0.
25	36	M	50.0	180	30.000	24.0	29.2	29.2	0.58	0	0.0	97	0.5	197.
26	19	S	20.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	58	0.3	118.
27	19	S	13.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
28	19	S	90.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
29	19	S	38.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
30	19	S	50.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
31	19	S	90.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
32	19	S	70.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
33	19	S	12.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
34	19	S	90.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
35	19	S	68.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
36	19	S	13.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
37	19	S	17.0	180	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
38	19	S	6.0	254	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
39	30	S	90.0	30	28.320	4.8	9.2	16.5	0.10	0	0.0	0	0.0	0.
40	30	S	61.0	90	28.176	13.9	23.0	32.3	0.38	0	0.0	20	0.1	41.
41	30	S	75.0	90	27.810	11.9	18.6	26.4	0.25	0	0.0	152	0.8	308.
42	30	S	90.0	180	28.457	23.2	30.0	30.8	0.34	0	0.0	234	1.3	474.
43	48	S	90.0	254	32.902	49.0	51.0	51.0	0.57	0	0.0	49	0.3	99.
44	48	S	90.0	90	33.791	28.4	46.0	60.5	0.51	0	0.0	741	4.1	1503.
												574	3.2	1164.

Approved for Release: 2025/07/25 C05127959

CAT	MAX GRO	MODE	REQD %	PERIOD	AVE. GRO CLOUD FREE	AVE. ACC 1/2 PER	AVE ACCOMP	AVE. ACC 2*PER	ACCOMP/ REQD %	TOT.TGTS SELECTED	AVE.TGTS SEL/DAY	TOT.TGTS VERIFIED	AVE.TGTS VERF/DAY	PROJ NO. CF/YR
45	48	S	60.0	90	34.151	23.6	37.0	46.9	0.62	0	0.0	797	4.4	1596.
46	48	S	90.0	180	34.258	29.2	39.7	39.7	0.44	0	0.0	82	0.5	166.
47	24	M	90.0	30	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
48	30	M	90.0	180	28.600	14.6	21.1	21.1	0.23	0	0.0	16	0.1	32.
49	30	M	90.0	180	28.007	16.6	23.2	23.2	0.26	0	0.0	790	4.4	1602.
50	30	M	90.0	254	28.737	27.4	30.1	30.1	0.33	0	0.0	10	0.1	39.
51	30	M	90.0	180	27.991	16.3	22.9	22.9	0.25	0	0.0	728	4.0	1476.
52	30	M	29.0	30	28.398	9.8	11.1	15.1	0.38	0	0.0	956	5.3	1939.
53	30	M	90.0	180	28.125	18.0	24.7	24.7	0.27	0	0.0	185	1.0	375.
54	43	M	40.0	90	33.301	27.6	42.4	51.6	0.92	0	0.0	7159	39.8	14509.
55	19	S	6.0	254	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
56	19	S	43.0	180	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
57	19	S	90.0	180	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
58	19	S	10.0	254	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
59	30	S	90.0	180	28.560	17.1	23.5	23.5	0.26	0	0.0	26	0.1	51.
60	30	M	90.0	254	27.872	25.0	26.4	26.4	0.29	0	0.0	3315	18.4	6722.
61	30	M	54.0	90	28.099	7.4	11.6	14.0	0.22	0	0.0	184	1.0	373.
62	30	M	90.0	180	27.787	18.2	23.4	23.4	0.26	0	0.0	296	1.6	594.
63	68	M	45.0	180	33.337	43.2	51.6	51.6	1.15	0	0.0	1901	10.6	3855.
64	42	M	90.0	198	33.038	31.0	36.7	36.7	0.41	0	0.0	715	4.0	1453.
65	42	M	90.0	254	33.112	43.2	44.6	44.6	0.50	0	0.0	2341	13.0	4747.
66	19	S	20.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
67	24	S	60.0	180	24.535	27.5	33.4	33.4	0.42	0	0.0	956	5.3	1939.
68	24	M	35.0	30	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
69	43	M	39.0	90	34.625	27.4	42.3	55.4	0.56	0	0.0	283	1.6	574.
70	24	M	10.0	90	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.
71	28	M	89.0	254	33.242	22.9	29.3	29.3	0.33	0	0.0	5970	33.3	12146.
									TOTAL	0	0.0	29690	164.9	60205.

GMD SIMULATION
CASE IC
RUN 25 (100 DAY SIMULATION)

	PROD. SET 8			PROD. SET 9			PROD. SET 10			PROD. SET 11			PROD. SET 24		
DAYS	TGTS	CUM TGTS	CUM %	TGTS	CUM TGTS	CUM %	TGTS	CUM TGTS	CUM %	TGTS	CUM TGTS	CUM %	TGTS	CUM TGTS	CUM %
01- 1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
02- 2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
03- 3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
04- 4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
05- 5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
06- 6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
07- 7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
08- 8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
09- 9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
10- 10	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
11- 11	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
12- 12	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
13- 13	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
14- 14	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
15- 15	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
16- 16	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
17- 17	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
18- 18	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
19- 19	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
20- 20	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
21- 21	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
22- 22	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
23- 23	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
24- 24	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
25- 25	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
26- 26	19	19	3.1	9	6	7.1	5	9	5.1	15	15	9.4	6	6	6.2
27- 27	28	47	7.7	2	8	9.5	39	48	27.3	24	39	23.1	15	21	21.6
28- 28	69	116	19.0	19	27	32.1	25	73	41.5	53	92	54.4	15	36	37.1
29- 29	95	211	34.6	21	48	57.1	28	101	57.4	29	121	71.6	10	46	47.4
30- 30	92	303	49.8	11	59	70.2	9	110	62.5	17	138	81.7	11	57	58.8
31- 31	0	303	49.8	0	59	70.2	0	110	62.5	0	138	81.7	0	57	58.8
32- 32	85	388	63.7	7	66	78.6	12	122	69.3	13	151	89.3	10	67	69.1
33- 33	65	453	74.4	5	71	84.5	16	138	78.4	6	157	92.9	10	77	79.4
34- 34	43	496	81.4	5	76	90.5	16	154	87.5	7	164	97.0	7	84	86.6
35- 35	57	553	90.8	2	78	92.9	17	171	97.2	2	166	98.2	4	88	90.7
36- 36	55	608	100.0	6	84	100.0	5	176	100.0	3	169	100.0	9	97	100.0

PAGE 10
RUN 25 (180 DAY SIMULATION)

GRID RANGE (IN.)	PROB. SET 25 TGTS	CUM TGTS	CUM %	PROB. SET 39 TGTS	CUM TGTS	CUM %	PROB. SET 40 TGTS	CUM TGTS	CUM %	PROB. SET 41 TGTS	CUM TGTS	CUM %	PROB. SET 42 TGTS	CUM TGTS	CUM %
0- 1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
1- 2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
2- 3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
3- 4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
4- 5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
5- 6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
6- 7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
7- 8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
8- 9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
9- 10	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
10- 11	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
11- 12	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
12- 13	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
13- 14	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
14- 15	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
15- 16	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
16- 17	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
17- 18	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
18- 19	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
19- 20	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
20- 21	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
21- 22	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
22- 23	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
23- 24	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
24- 25	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
25- 26	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
26- 27	1	1	1.7	1	1	5.0	12	12	7.0	12	12	5.1	3	3	6.1
27- 28	4	5	6.6	2	3	15.0	17	29	19.1	72	84	35.9	6	9	18.4
28- 29	5	20	34.5	4	7	35.0	39	68	44.7	91	175	57.7	7	16	32.7
29- 30	9	29	49.1	9	16	80.0	54	122	80.0	57	192	82.1	19	35	71.4
30- 31	5	34	58.6	4	20	100.0	30	152	100.0	42	234	100.0	14	49	100.0
31- 32	0	34	58.6												
32- 33	10	44	75.9												
33- 34	7	51	87.9												
34- 35	4	55	94.8												
35- 36	0	55	94.8												
36- 37	3	58	100.0												

Approved for Release: 2025/07/25 C05127959

~~CREDIT~~

GPO DISTRIBUTION
CASE 15
RUN 25 (180 DAY SIMULATION)

GPO RANGE DIM.1	PROD. SET 43 TOTS	CUM TOTS	CUM %	PROD. SET 44 TOTS	CUM TOTS	CUM %	PROD. SET 45 TOTS	CUM TOTS	CUM %	PROD. SET 46 TOTS	CUM TOTS	CUM %	PROD. SET 48 TOTS	CUM TOTS	CUM %
0- 1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
1- 2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
2- 3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
3- 4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
4- 5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
5- 6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
6- 7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
7- 8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
8- 9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
9- 10	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
10- 11	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
11- 12	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
12- 13	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
13- 14	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
14- 15	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
15- 16	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
16- 17	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
17- 18	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
18- 19	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
19- 20	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
20- 21	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
21- 22	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
22- 23	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
23- 24	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
24- 25	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
25- 26	14	14	2.4	14	14	2.4	20	20	2.5	0	0	0.0	0	0	0.0
26- 27	71	85	12.0	29	43	7.5	46	66	8.4	3	3	3.7	2	2	12.5
27- 28	48	133	23.2	46	89	15.5	72	138	17.5	5	8	9.8	5	7	43.8
28- 29	142	275	47.9	77	166	28.9	85	223	28.8	9	17	20.7	4	11	68.8
29- 30	52	327	57.0	58	224	39.0	67	290	37.4	7	24	29.3	5	16	100.0
30- 31	0	327	57.0	0	224	39.0	0	290	37.4	0	24	29.3			
31- 32	62	389	67.8	49	273	47.6	56	350	45.1	4	28	34.1			
32- 33	61	450	78.4	42	315	54.9	52	402	51.8	10	38	46.3			
33- 34	38	488	85.0	37	352	61.3	50	452	58.2	8	46	56.1			
34- 35	25	513	89.4	36	388	67.6	44	496	63.9	8	54	65.9			
35- 36	25	538	93.8	31	419	73.0	52	548	70.6	10	64	78.0			
36- 37	0	538	93.8	0	419	73.0	0	548	70.6	0	64	78.0			
37- 38	16	554	96.6	22	441	76.8	25	573	73.8	4	68	82.9			
38- 39	35	589	102.6	12	453	78.9	32	605	78.0	0	68	82.9			
39- 40	24	613	106.8	16	469	81.7	38	643	82.8	1	69	84.1			
40- 41	27	640	111.5	23	492	85.7	19	662	85.3	0	69	84.1			
41- 42	25	665	115.9	11	503	87.6	20	682	87.8	3	72	87.8			
42- 43	0	665	115.9	0	503	87.6	0	682	87.8	0	72	87.8			
43- 44	17	682	118.8	12	515	89.7	19	701	90.3	3	75	91.5			
44- 45	14	696	121.3	10	525	91.5	21	722	93.0	2	77	93.9			
45- 46	19	715	124.6	15	540	94.1	16	738	95.1	1	78	95.1			
46- 47	15	730	127.2	17	557	97.1	25	763	98.3	0	78	95.1			
47- 48	5	735	128.1	11	568	100.0	24	787	100.0	3	82	100.0			

RAD DISTRIBUTION
CASE IC
RUN 25 (180 DAY SIMULATION)

GRC RANGE (IN.)	PROB. SET 49 TGTS	CUM TGTS	CUM %	PROB. SET 50 TGTS	CUM TGTS	CUM %	PROB. SET 51 TGTS	CUM TGTS	CUM %	PROB. SET 52 TGTS	CUM TGTS	CUM %	PROB. SET 53 TGTS	CUM TGTS	CUM %
0- 1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
1- 2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
2- 3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
3- 4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
4- 5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
5- 6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
6- 7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
7- 8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
8- 9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
9- 10	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
10- 11	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
11- 12	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
12- 13	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
13- 14	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
14- 15	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
15- 16	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
16- 17	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
17- 18	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
18- 19	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
19- 20	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
20- 21	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
21- 22	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
22- 23	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
23- 24	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
24- 25	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
25- 26	112	112	14.7	0	0	0.0	104	104	14.3	62	62	6.5	19	19	10.3
26- 27	117	229	29.0	0	0	0.0	104	210	28.8	63	125	13.1	27	46	24.9
27- 28	170	399	50.5	0	5	26.3	161	371	51.0	250	375	41.7	42	88	47.6
28- 29	172	571	72.3	10	15	78.9	162	533	73.2	332	725	75.9	48	136	73.5
29- 30	219	790	100.0	4	19	100.0	145	728	100.0	230	955	100.0	49	185	100.0

[redacted]

GRD DISTRIBUTION [illegible]
CASE 16
RUN 25 (180 DAY SIMULATION)

RANGE (IN.)	PROB. SET 54 TGTS	CUM TGTS	CUM %	PROB. SET 59 TGTS	CUM TGTS	CUM %	PROB. SET 60 TGTS	CUM TGTS	CUM %	PROB. SET 61 TGTS	CUM TGTS	CUM %	PROB. SET 62 TGTS	CUM TGTS	CUM %
0- 1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
1- 2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
2- 3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
3- 4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
4- 5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
5- 6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
6- 7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
7- 8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
8- 9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
9- 10	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
10- 11	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
11- 12	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
12- 13	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
13- 14	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
14- 15	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
15- 16	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
16- 17	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
17- 18	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
18- 19	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
19- 20	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
20- 21	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
21- 22	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
22- 23	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
23- 24	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
24- 25	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
25- 26	198	198	2.0	0	0	0.0	274	274	8.3	5	5	4.9	28	28	9.5
26- 27	621	819	11.4	2	2	8.0	688	962	29.0	35	44	33.9	75	103	35.0
27- 28	906	1725	29.1	6	8	32.0	929	1891	56.9	53	97	92.7	66	169	57.5
28- 29	817	2542	35.5	12	20	80.0	846	2737	82.4	45	142	77.2	73	242	82.1
29- 30	569	3111	43.4	5	25	100.0	584	3321	100.0	42	184	100.0	52	294	100.0
30- 31	0	3111	43.4												
31- 32	562	3673	51.3												
32- 33	455	4128	57.6												
33- 34	375	4503	62.8												
34- 35	327	4830	67.4												
35- 36	292	5122	71.5												
36- 37	0	5122	71.5												
37- 38	252	5374	75.1												
38- 39	232	5611	78.3												
39- 40	272	5883	82.1												
40- 41	236	6119	85.4												
41- 42	220	6339	88.5												
42- 43	0	6339	88.5												
43- 44	187	6526	91.2												
44- 45	145	6671	93.2												
45- 46	145	6816	95.2												
46- 47	171	7047	98.3												
47- 48	119	7166	100.0												

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GRD DISTRIBUTION
CASE IC
RUN 25 (180 DAY SIMULATION)

GRD RANGE (IN.)	PROB. SET 63 TGTS	CUM TGTS	CUM %	PROB. SET 64 TGTS	CUM TGTS	CUM %	PROB. SET 65 TGTS	CUM TGTS	CUM %	PROB. SET 67 TGTS	CUM TGTS	CUM %	PROB. SET 69 TGTS	CUM TGTS	CUM %
0- 1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
1- 2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
2- 3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
3- 4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
4- 5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
5- 6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
6- 7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
7- 8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
8- 9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
9- 10	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
10- 11	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
11- 12	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
12- 13	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
13- 14	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
14- 15	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
15- 16	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
16- 17	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
17- 18	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
18- 19	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
19- 20	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
20- 21	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
21- 22	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
22- 23	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
23- 24	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
24- 25	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
25- 26	36	36	4.4	31	31	4.3	112	112	4.5	39	39	4.1	13	13	4.5
26- 27	158	262	12.7	78	109	15.1	265	377	16.1	204	243	25.4	10	23	8.0
27- 28	226	488	24.9	80	189	26.1	283	660	26.2	159	402	42.1	22	45	15.4
28- 29	192	680	36.7	78	267	36.9	224	884	37.7	112	514	53.8	23	68	23.6
29- 30	167	847	45.7	65	332	45.9	158	1042	44.2	123	637	66.6	27	95	33.0
30- 31	0	847	45.7	0	332	45.9	0	1042	44.2	0	637	66.6	0	95	33.0
31- 32	135	982	53.0	56	388	53.6	172	1214	51.5	90	727	76.0	27	122	42.4
32- 33	155	1137	59.4	42	430	59.4	153	1367	57.1	84	811	84.8	23	145	50.4
33- 34	86	1223	63.0	31	461	63.8	93	1460	61.8	56	867	90.7	19	164	56.9
34- 35	80	1278	67.2	27	488	68.5	76	1536	65.0	42	909	95.1	14	178	61.8
35- 36	80	1367	71.8	38	534	73.8	115	1651	71.8	47	956	100.0	10	188	65.3
36- 37	0	1367	71.8	0	534	73.8	0	1651	71.8				0	188	65.3
37- 38	69	1436	75.5	19	553	76.4	74	1755	74.9				10	198	68.8
38- 39	66	1502	78.9	29	582	80.4	105	1860	79.4				10	208	72.2
39- 40	58	1560	82.0	27	609	84.1	74	1934	82.6				13	221	76.7
40- 41	34	1594	83.8	17	626	86.7	64	1998	85.3				8	229	79.5
41- 42	32	1626	85.5	25	651	90.2	66	2064	88.1				8	237	82.3
42- 43	0	1626	85.5	0	651	90.2	0	2064	88.1				0	237	82.3
43- 44	46	1672	87.9	8	659	91.3	83	2147	91.7				13	250	86.8
44- 45	84	1756	92.4	20	681	94.3	54	2201	94.0				12	262	91.0
45- 46	31	1787	94.0	15	696	96.1	46	2247	95.9				7	269	93.4
46- 47	34	1821	95.8	12	718	99.2	52	2299	98.2				9	278	96.5
47- 48	42	1863	100.0	6	724	100.0	43	2342	100.0				10	288	100.0

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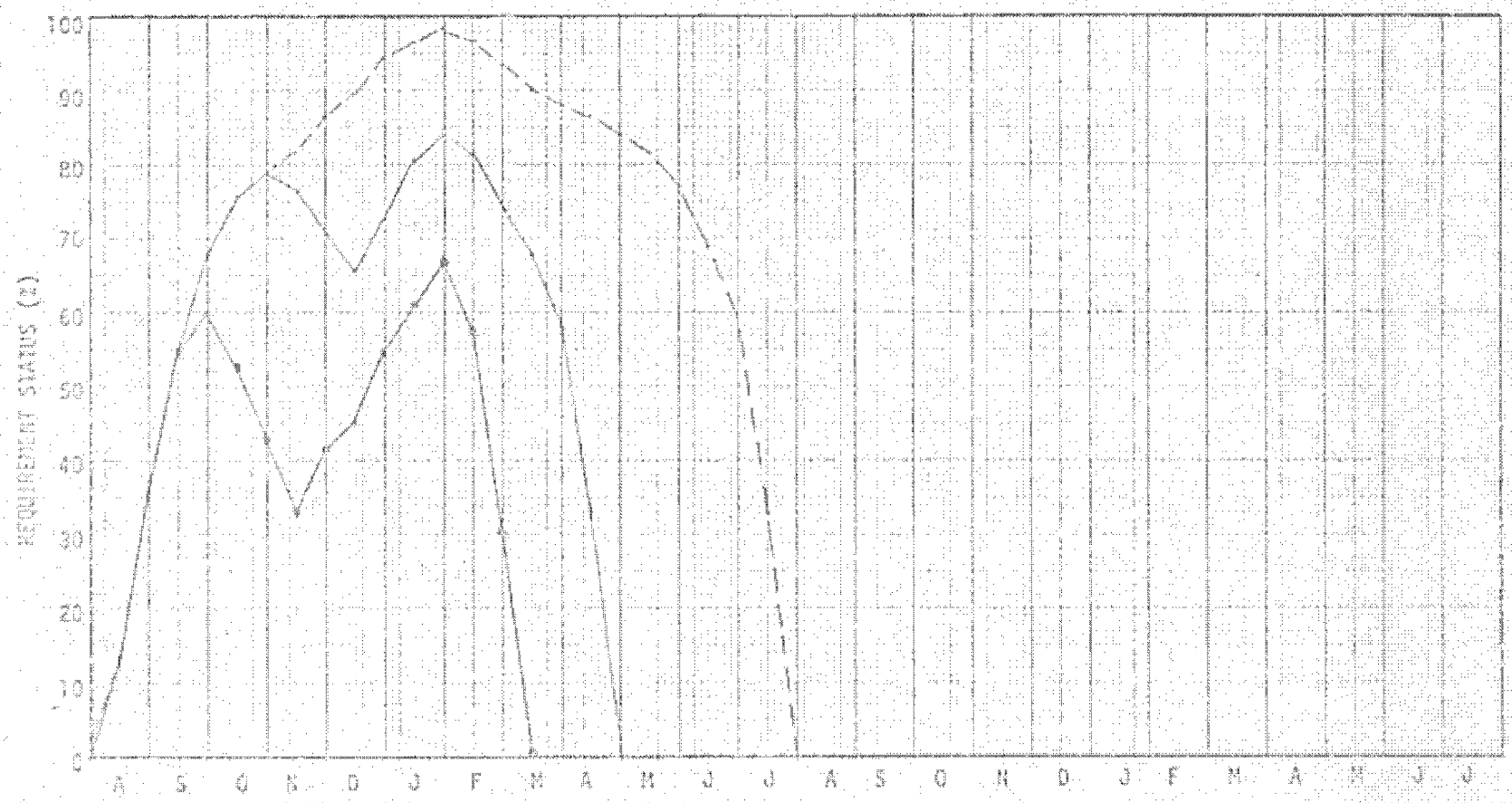
GRO DISTRIBUTION
CASE 10
RUN 25 (180 DAY SIMULATION)

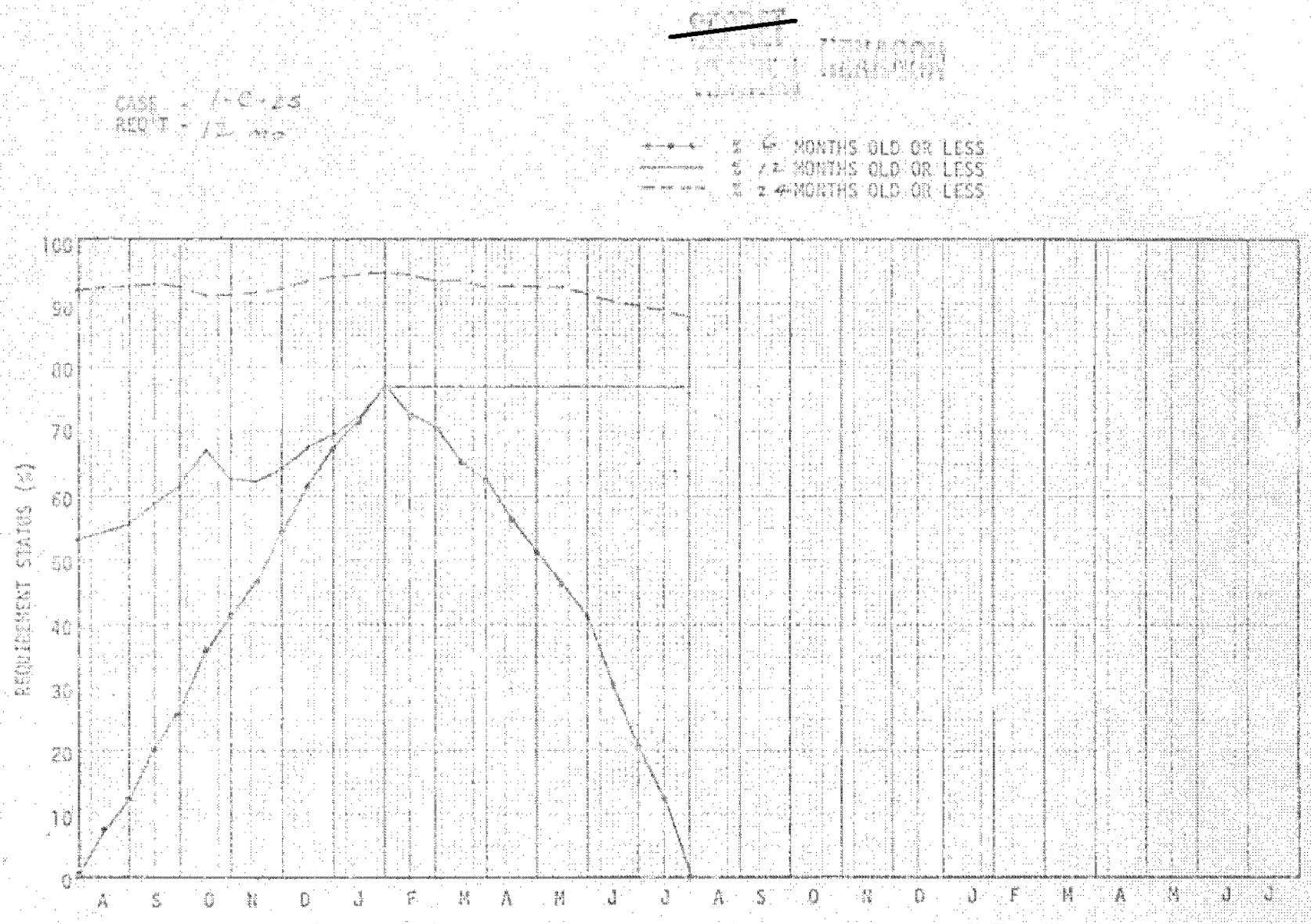
PROB. SET 71

GRO RANGE (IN.)	TGIS	CUM ICIS	CUM %
1	0	0	0.0
2	0	0	0.0
3	0	0	0.0
4	0	0	0.0
5	0	0	0.0
6	0	0	0.0
7	0	0	0.0
8	0	0	0.0
9	0	0	0.0
10	0	0	0.0
11	0	0	0.0
12	0	0	0.0
13	0	0	0.0
14	0	0	0.0
15	0	0	0.0
16	0	0	0.0
17	0	0	0.0
18	0	0	0.0
19	0	0	0.0
20	0	0	0.0
21	0	0	0.0
22	0	0	0.0
23	0	0	0.0
24	0	0	0.0
25	0	0	0.0
26	168	148	3.3
27	555	753	12.5
28	791	1534	25.6
29	646	2180	36.3
30	515	2655	45.0
31	0	2655	45.0
32	464	3163	52.7
33	363	3526	58.7
34	268	3794	63.2
35	261	4055	67.5
36	263	4318	71.9
37	0	4318	71.9
38	690	4008	75.1
39	158	4766	79.4
40	220	4986	82.1
41	208	5194	85.5
42	156	5350	88.1
43	0	5350	88.1
44	158	5508	90.7
45	154	5662	93.2
46	176	5838	96.5
47	163	5901	97.3
48	162	6063	100.0

CASE : 1-C-25
REQ'T - CLOSTAS



BYE 107522-75



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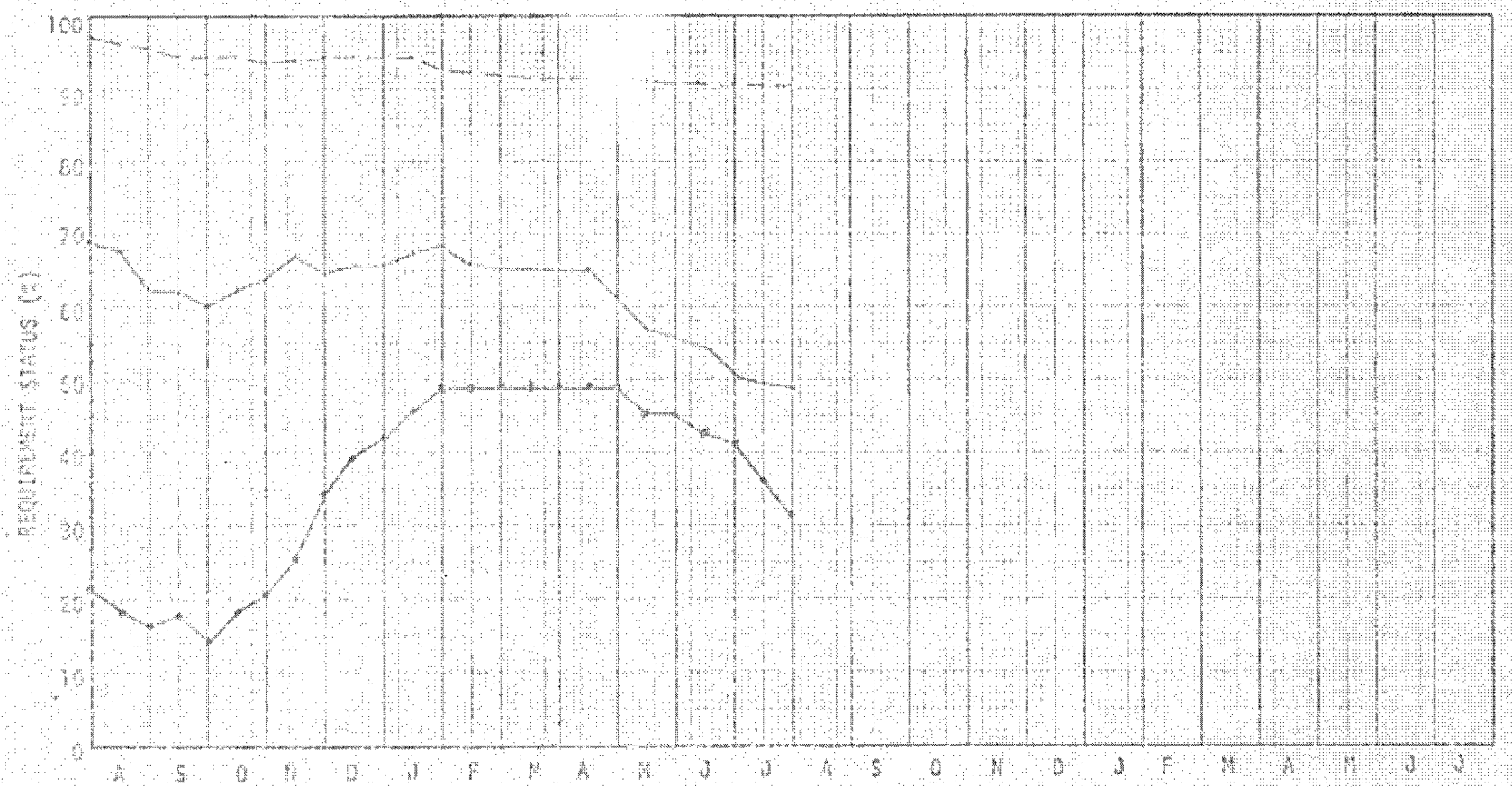
[redacted]

CASE - 1-C-25
REQ'T - 18 MO.

% 9 MONTHS OLD OR LESS
% 18 MONTHS OLD OR LESS
% 36 MONTHS OLD OR LESS



[redacted]

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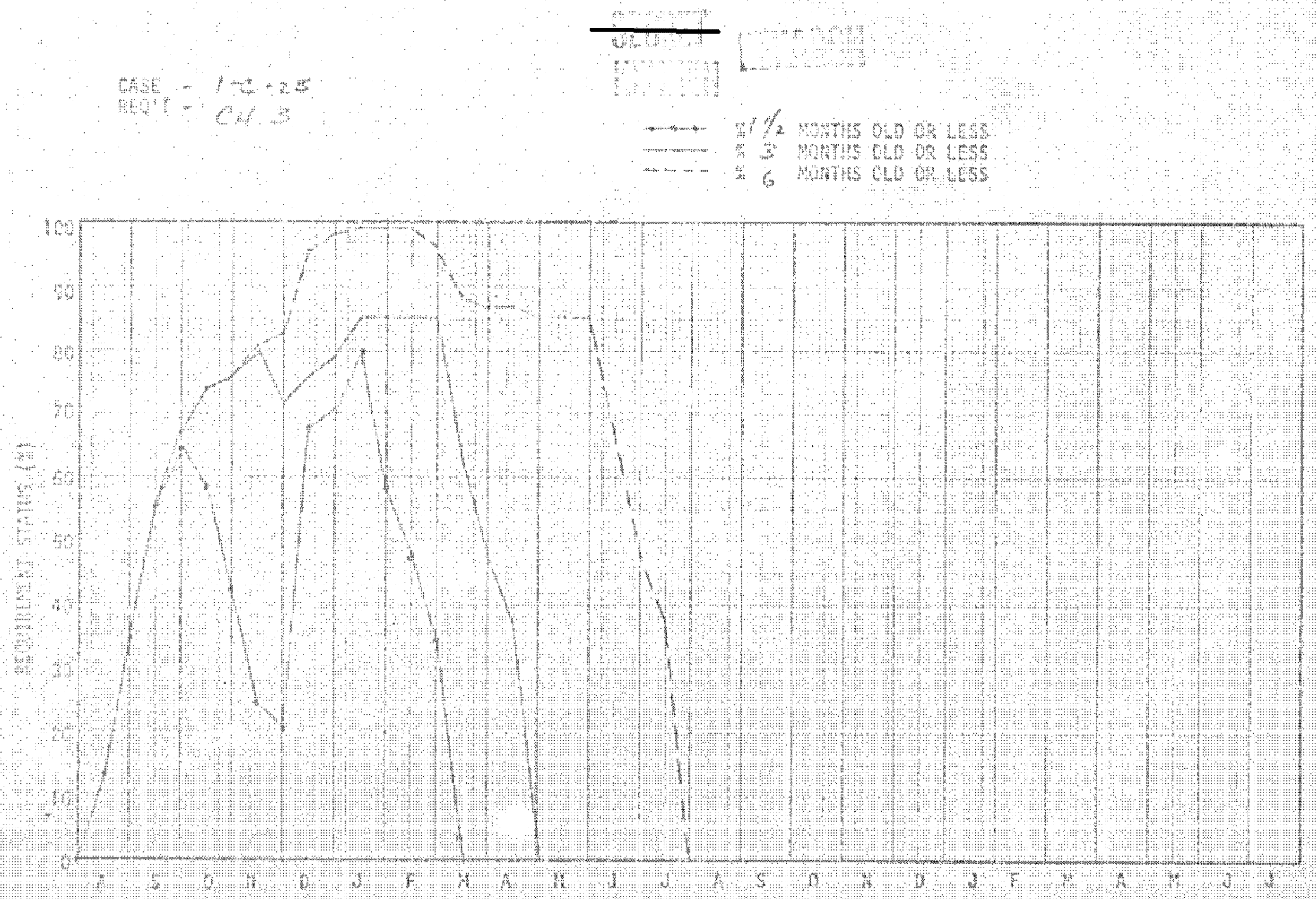

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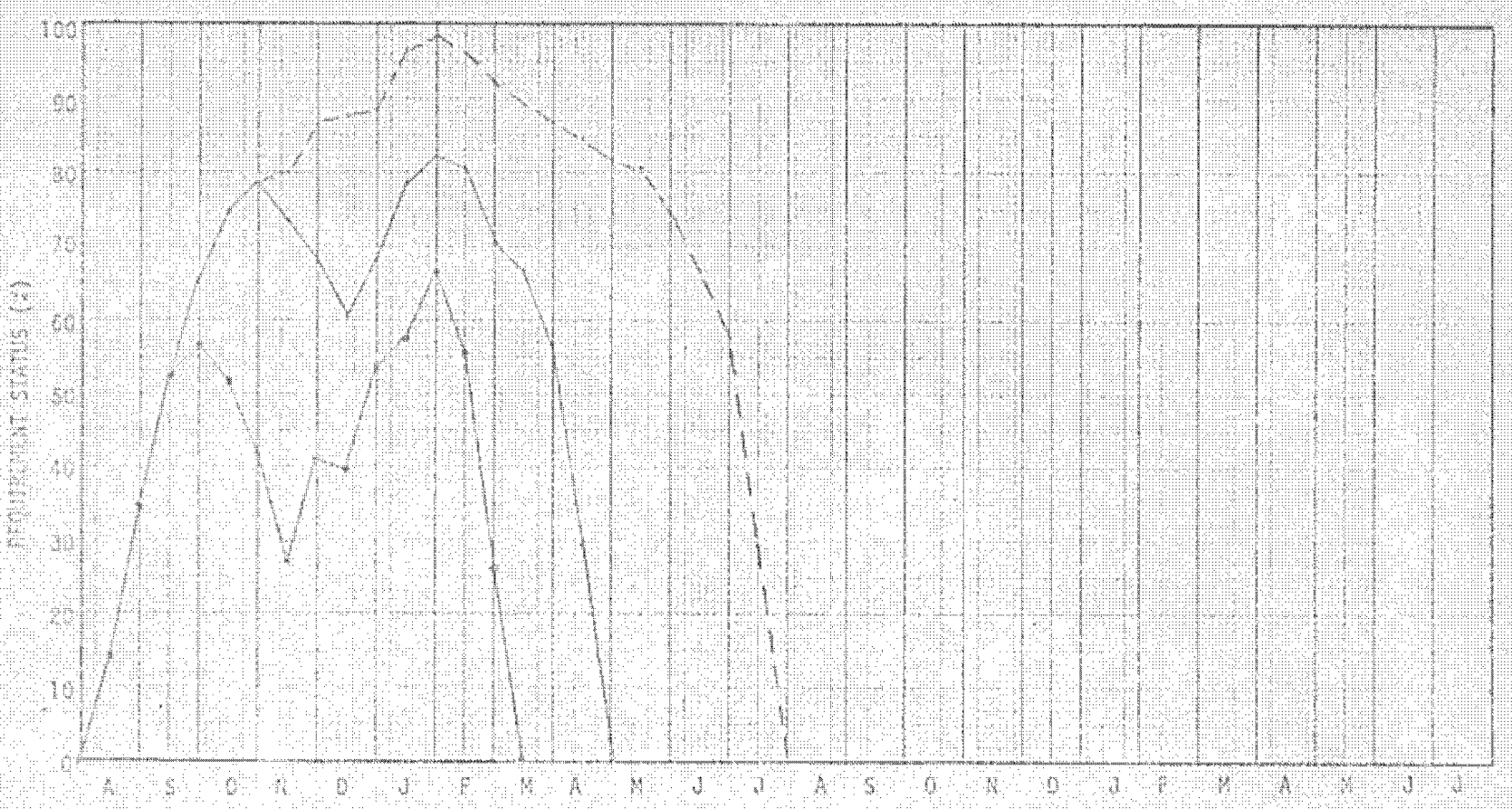
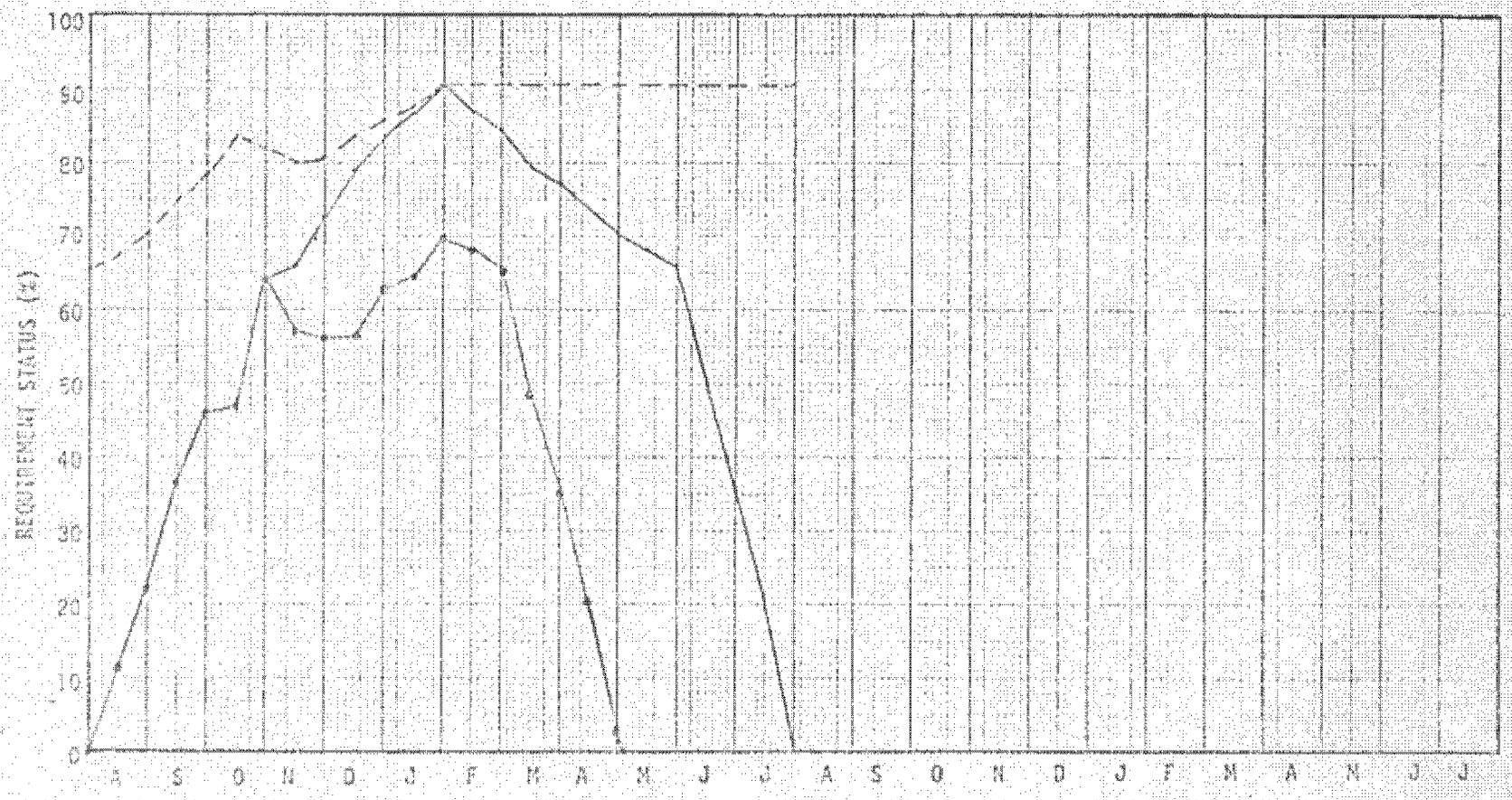
CASE - 1-C-25
REPT - UR 2



CASE - 1-C-25
REQ'T - 6 mo. Preliminary Build-up
(mono)



CASE - 1-C-25
REQ'T - 6 mo. CORE BUILDUP
(STALL)

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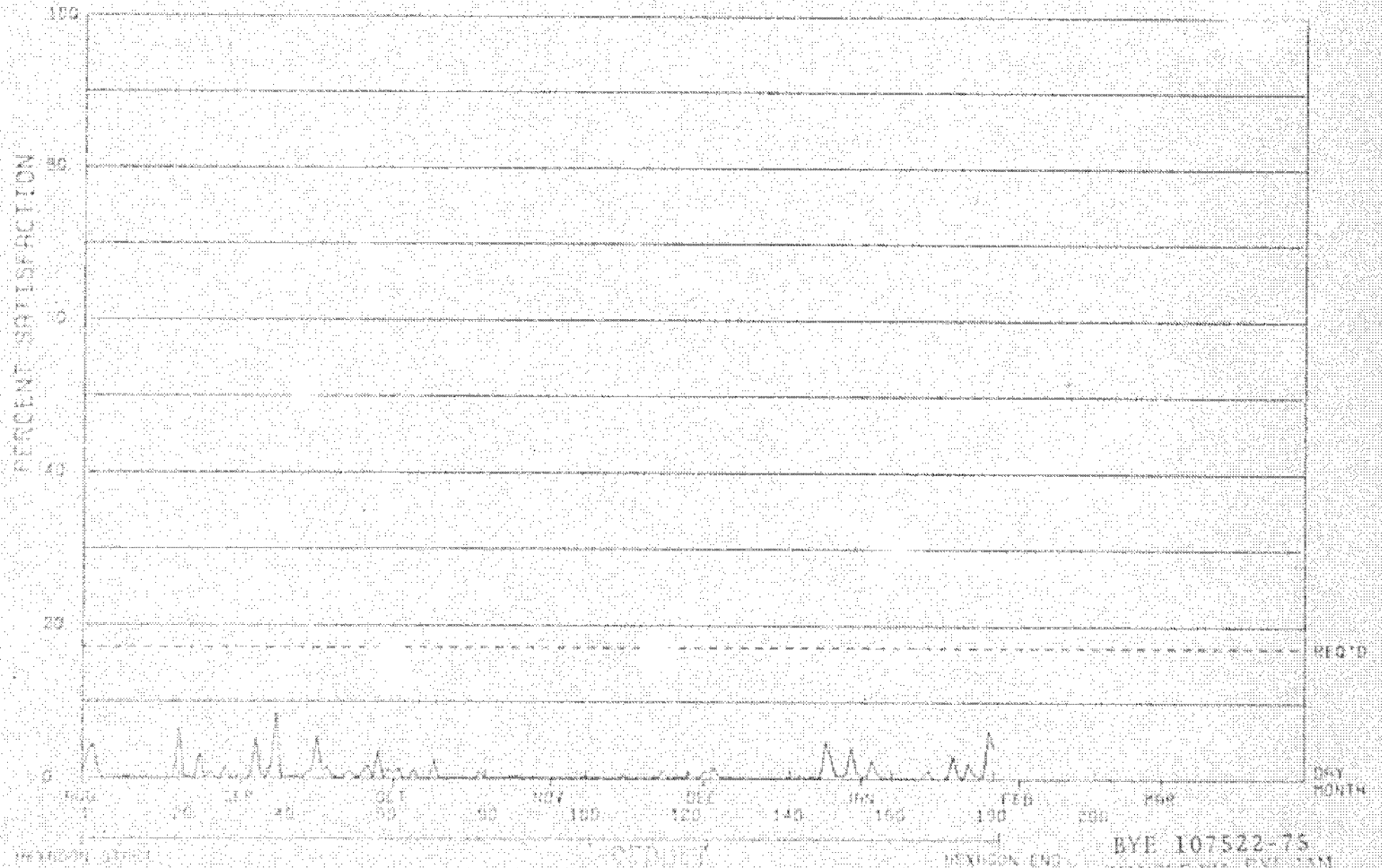
KANNEN [illegible]

PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 3 NO. TGTS OR CELLS = 557
PERCENT REQ'D = 17. PER100 = 1
MAXORD = 36. MODE = M

AVERAGE STATUS = 0.6

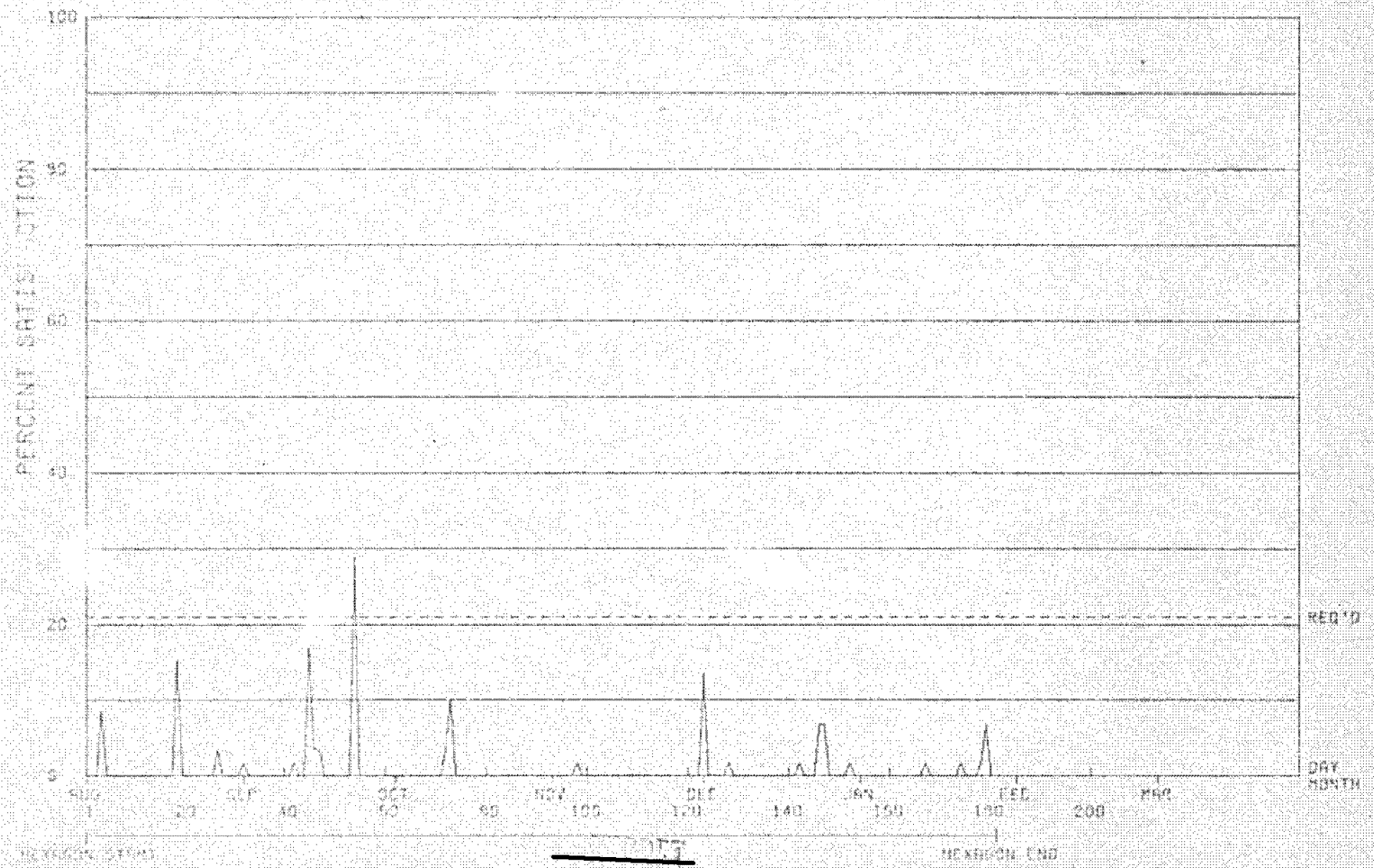


BYE 107522-75

~~SECRET~~

PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 9 NO. IC16 OR CELLS = 59
PERCENT REQ'D = 21, PERIOD = 1
MAXORD = 36, MODE = M

AVERAGE STATUS = 0.8



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~~[illegible]~~

PROBLEM SET STATUS VS. TIME

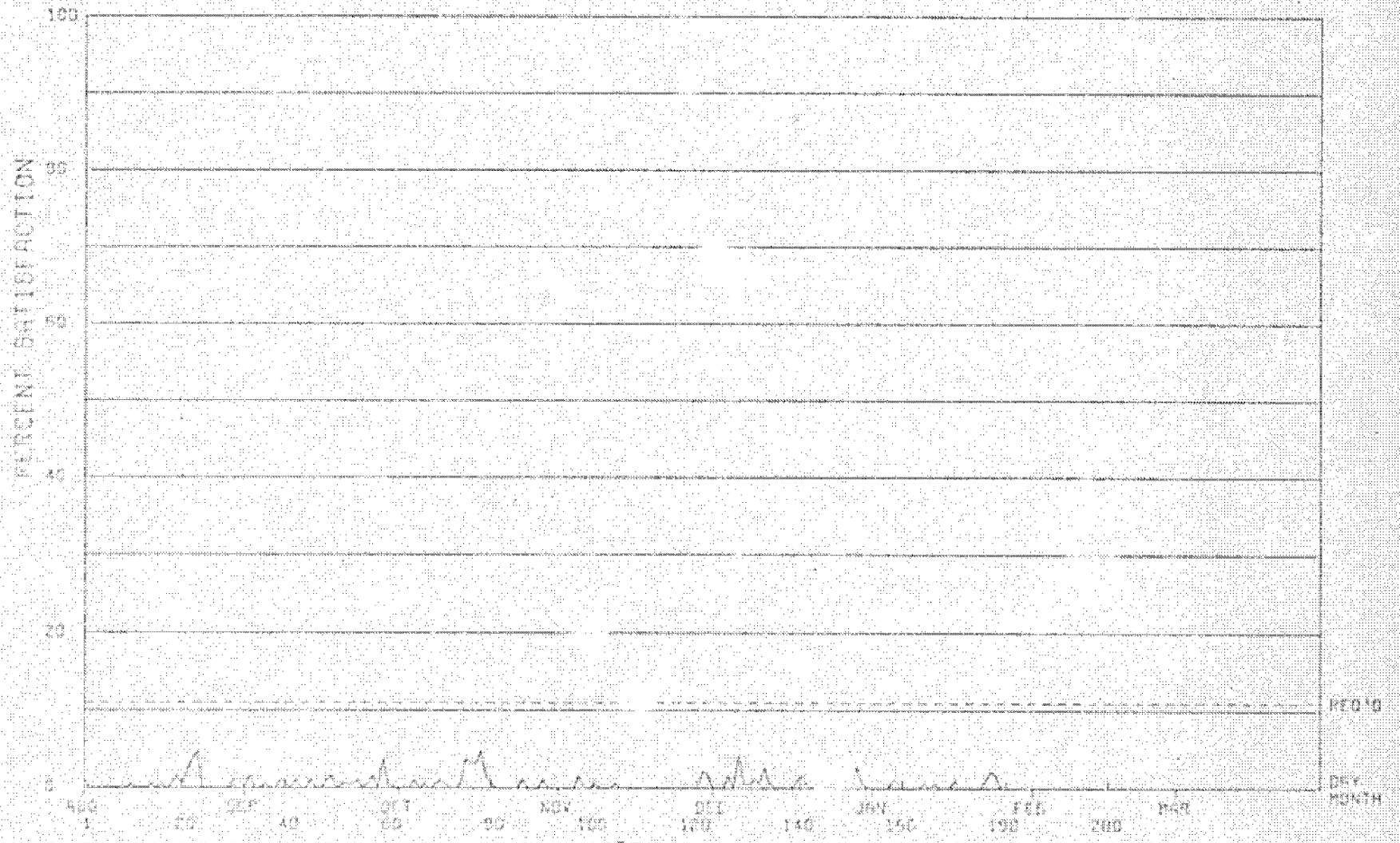
CASE IC RUN 25 (180 DAY SIMULATION)

PROBLEM SET NO. 10 NO. TOTS OR CELLS = 189

PERCENT REQ'D = 11. PERIOD = 1

MAXGRD = 36. MODE = M

AVERAGE STATUS = 0.5



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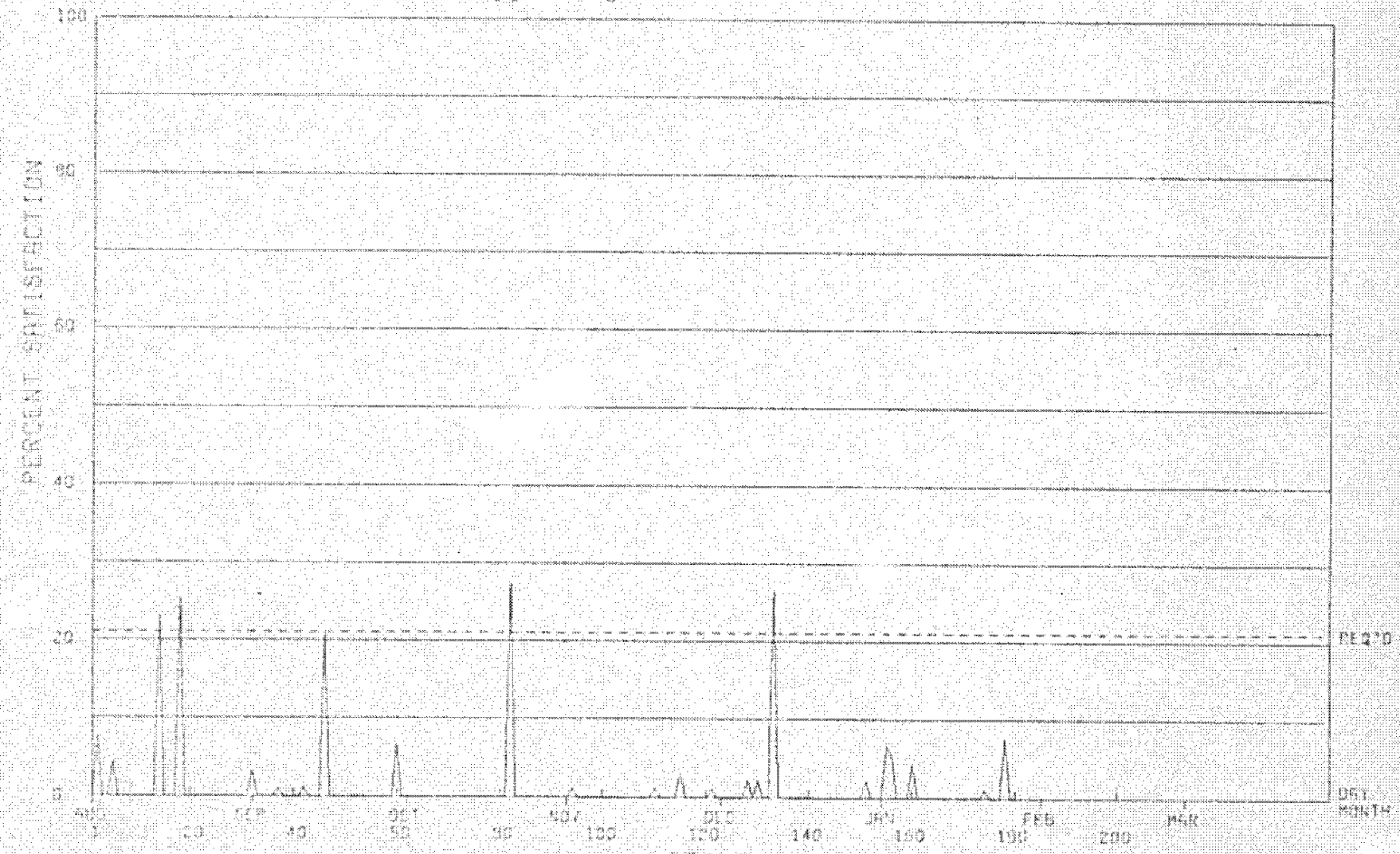
PROBLEM SET STATUS VS. TIME
CASE 1C RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 11 NO. TOTS OR CELLS = 91
PERCENT REQ'D = 21. PER100 = 1
MAXORD = 36. MODE = M

AVERAGE STATUS = 1.0



PROBLEM SET STATUS VS. TIME

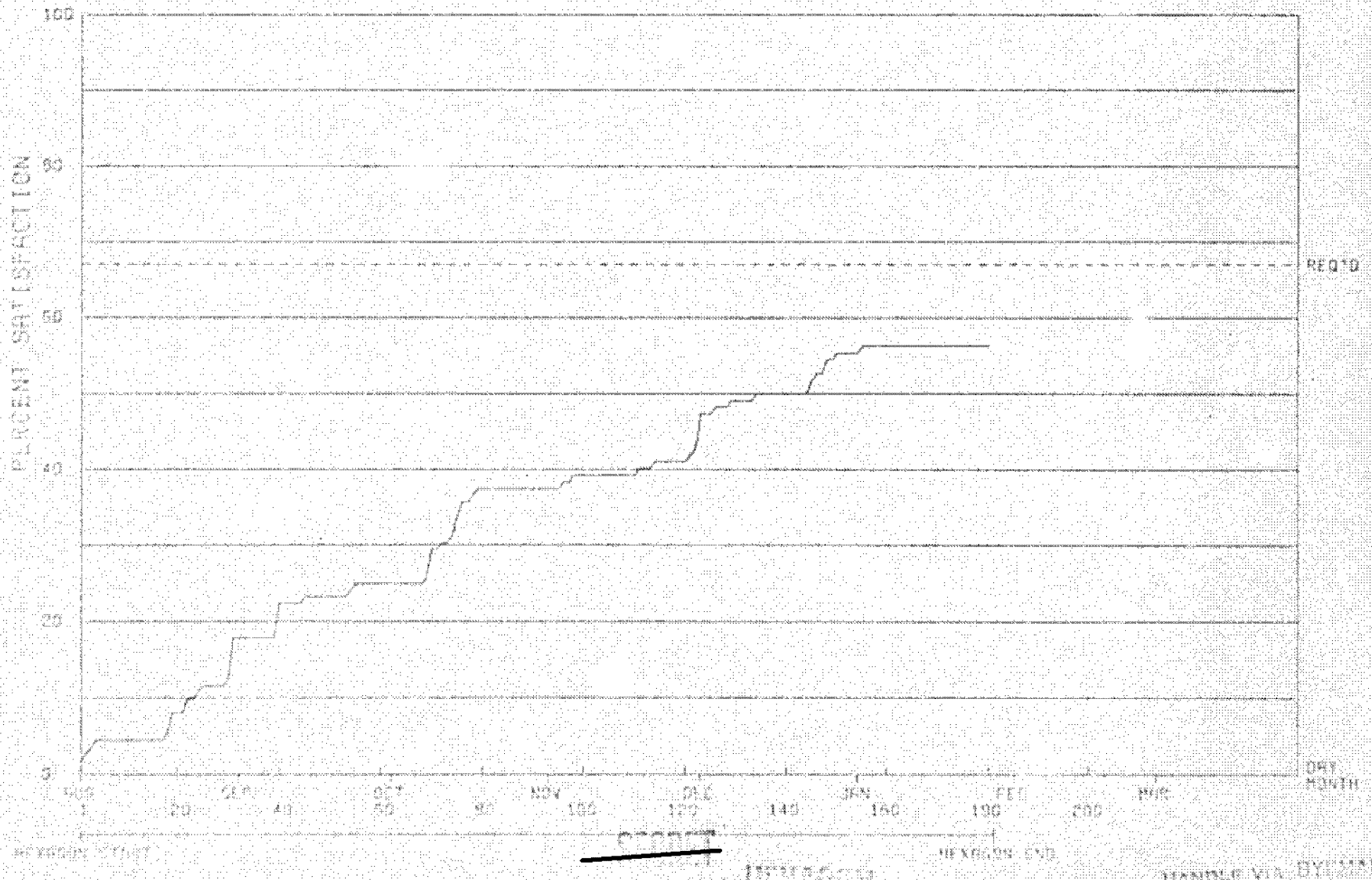
CASE IC RUN 25 (180 DAY SIMULATION)

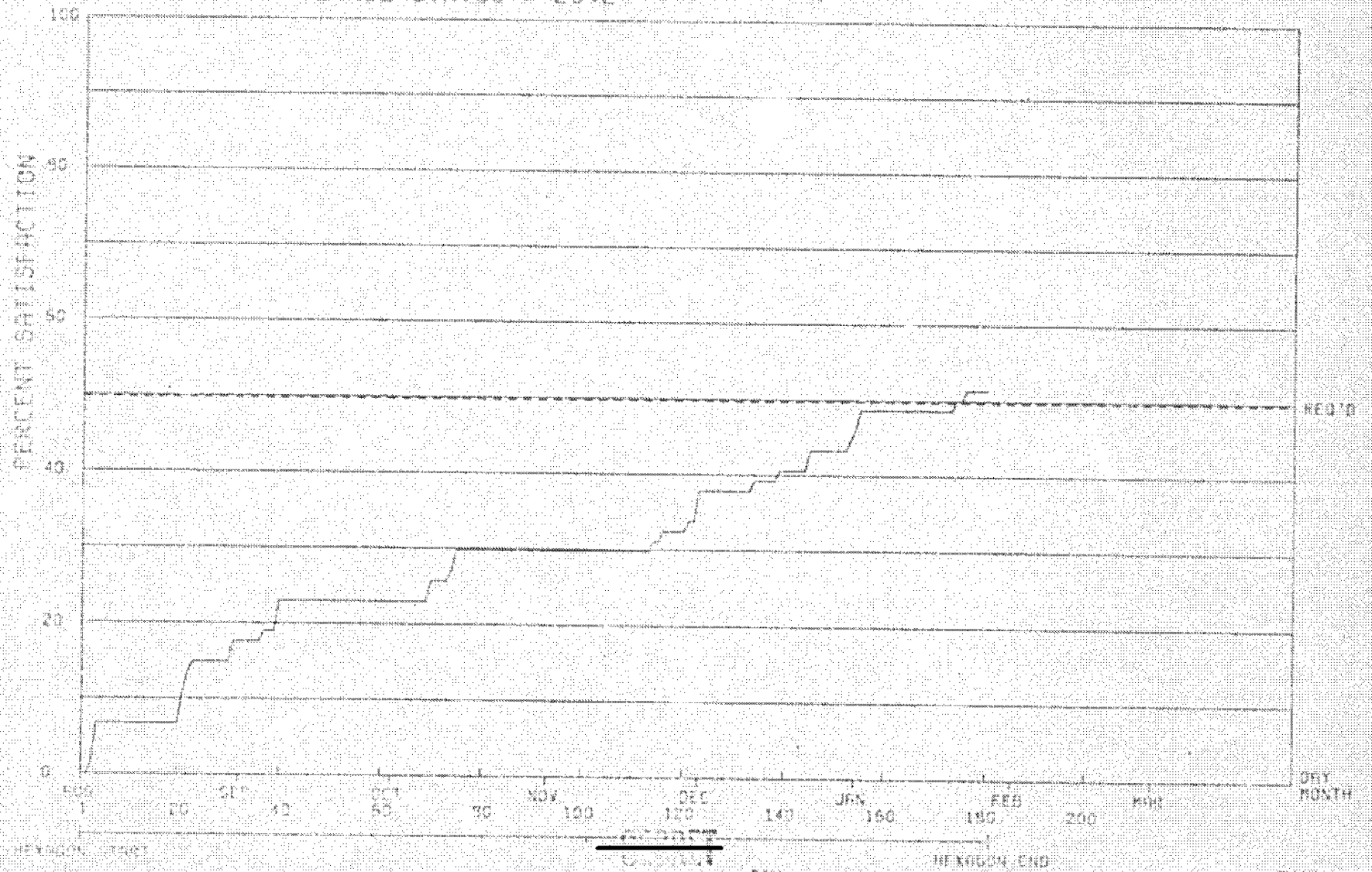
PROBLEM SET NO. 24 NO. JOTS OR CELLS = 112

PERCENT REQ'D = 67. PERIOD = 180

MAXORD = 30. MODE = S

AVERAGE STATUS = 34.3

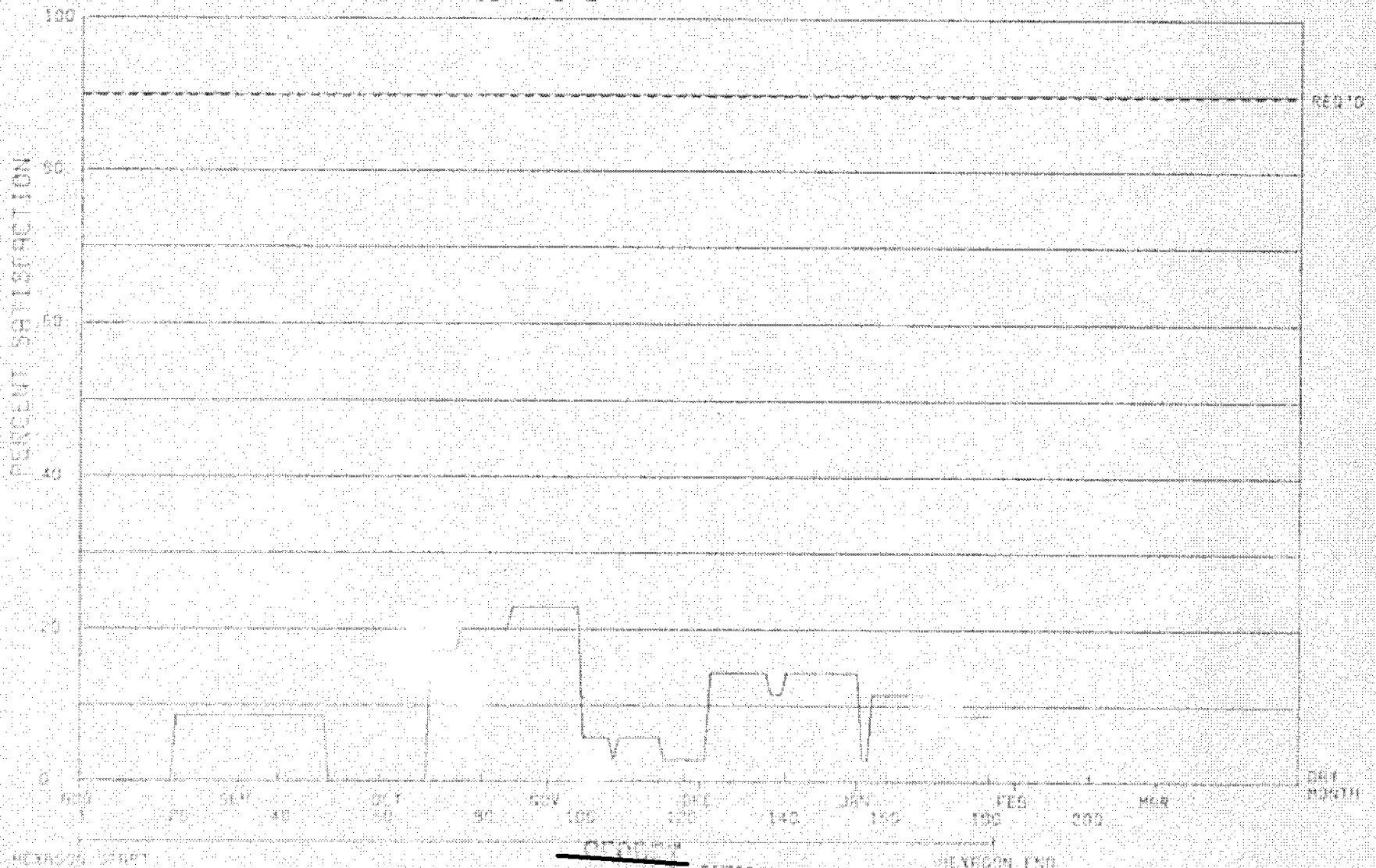




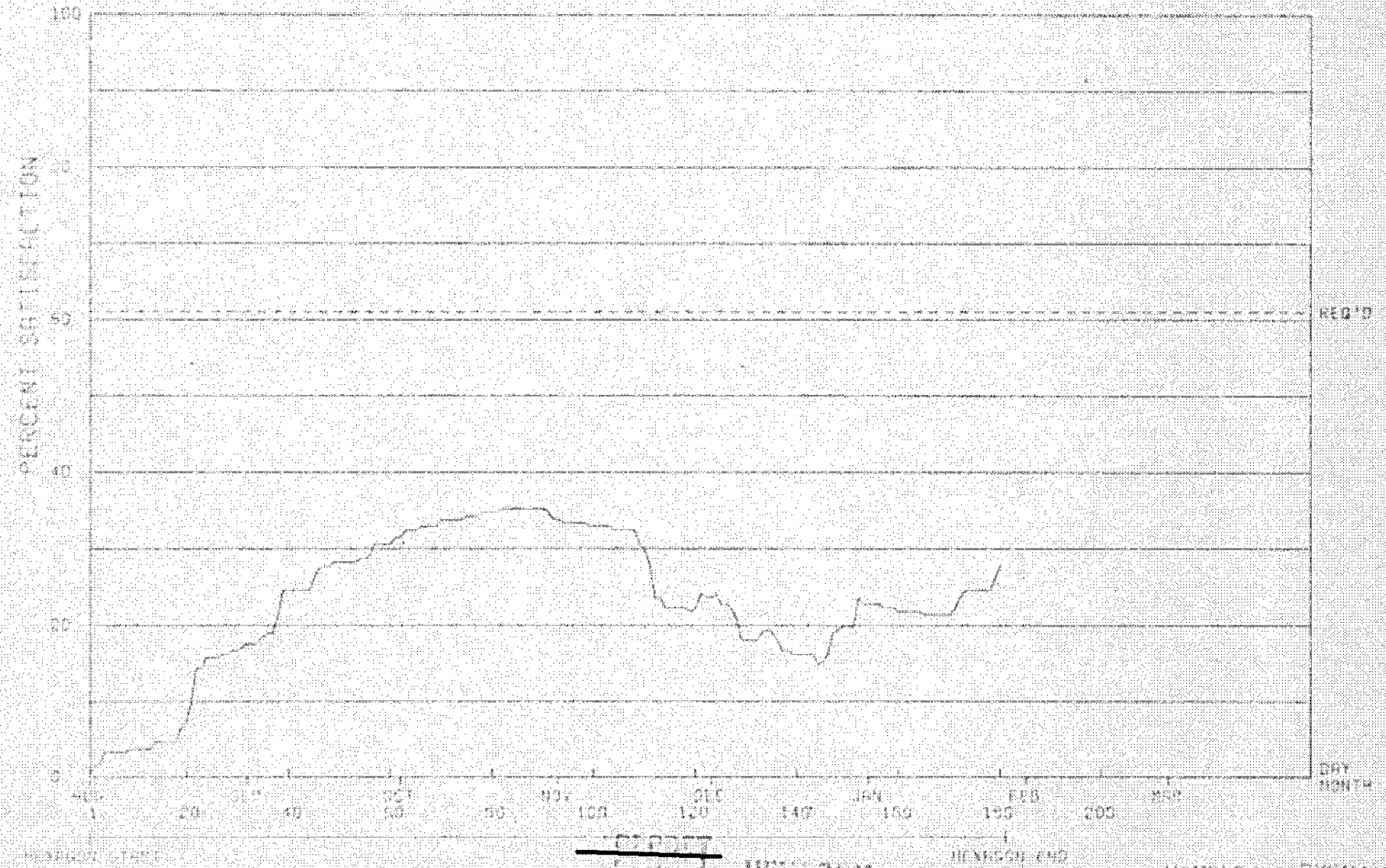
HANDLE VIA BYEMAN

PROBLEM SET STATUS VS. TIME
CASE 1C RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 39 NO. TOTS OR CELLS = 35
PERCENT REQ'D = 90. PERIOD = 30
MAXORD = 30. MODE = S

AVERAGE STATUS = 9.2



PROBLEM SET STATUS VS. TIME
CASE JC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 40 NO. TOTS OR CELLS = 216
PERCENT REQ'D = 61. PER100 = 90
MAXORD = 30. MODE = S
AVERAGE STATUS = 23.0



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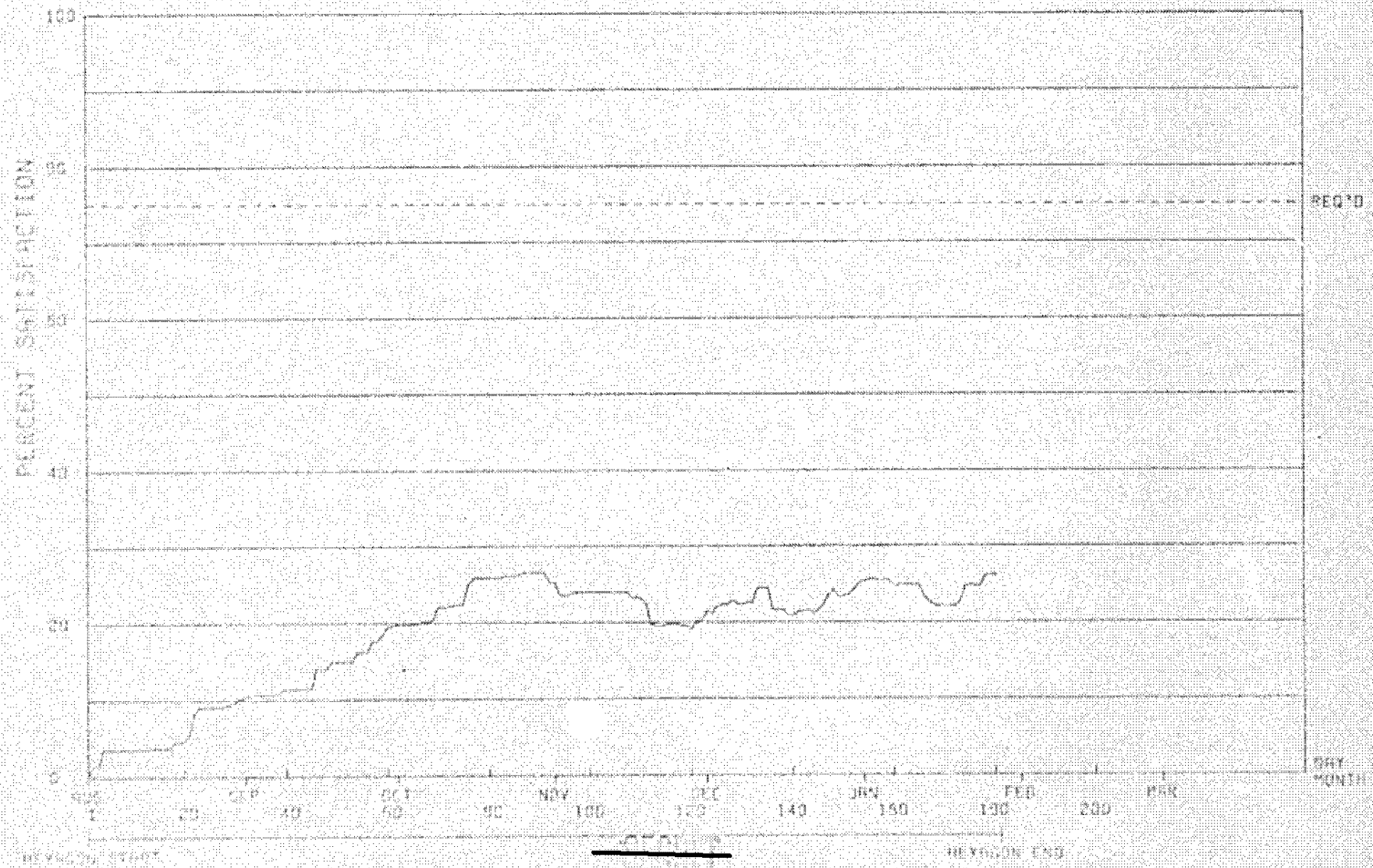
PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 41 NO. TOTS OR CELLS = 421
PERCENT REQ'D = 75. PERIOD = 90
MAXORD = 30. MODE = S

AVERAGE STATUS = 18.6



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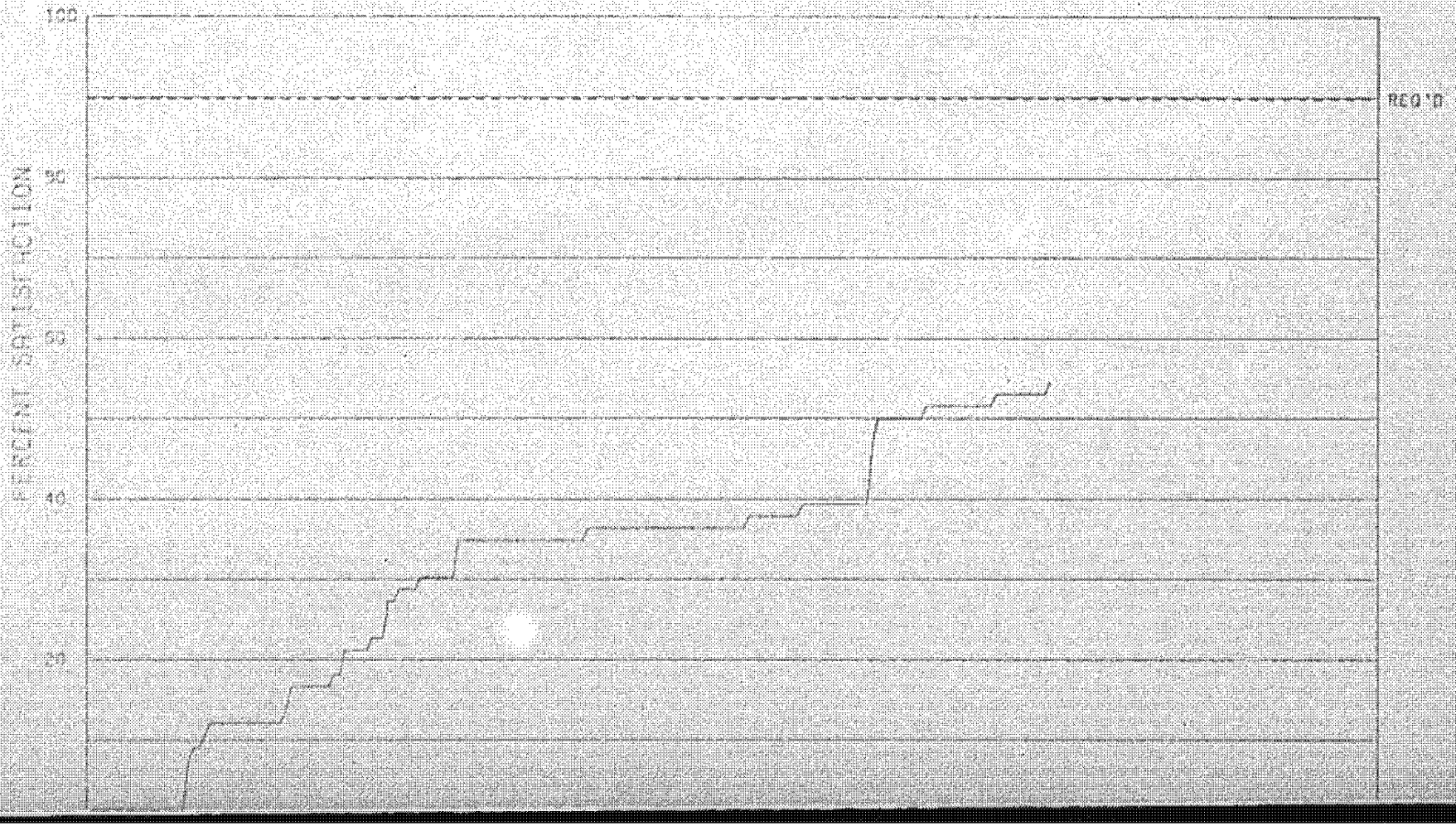
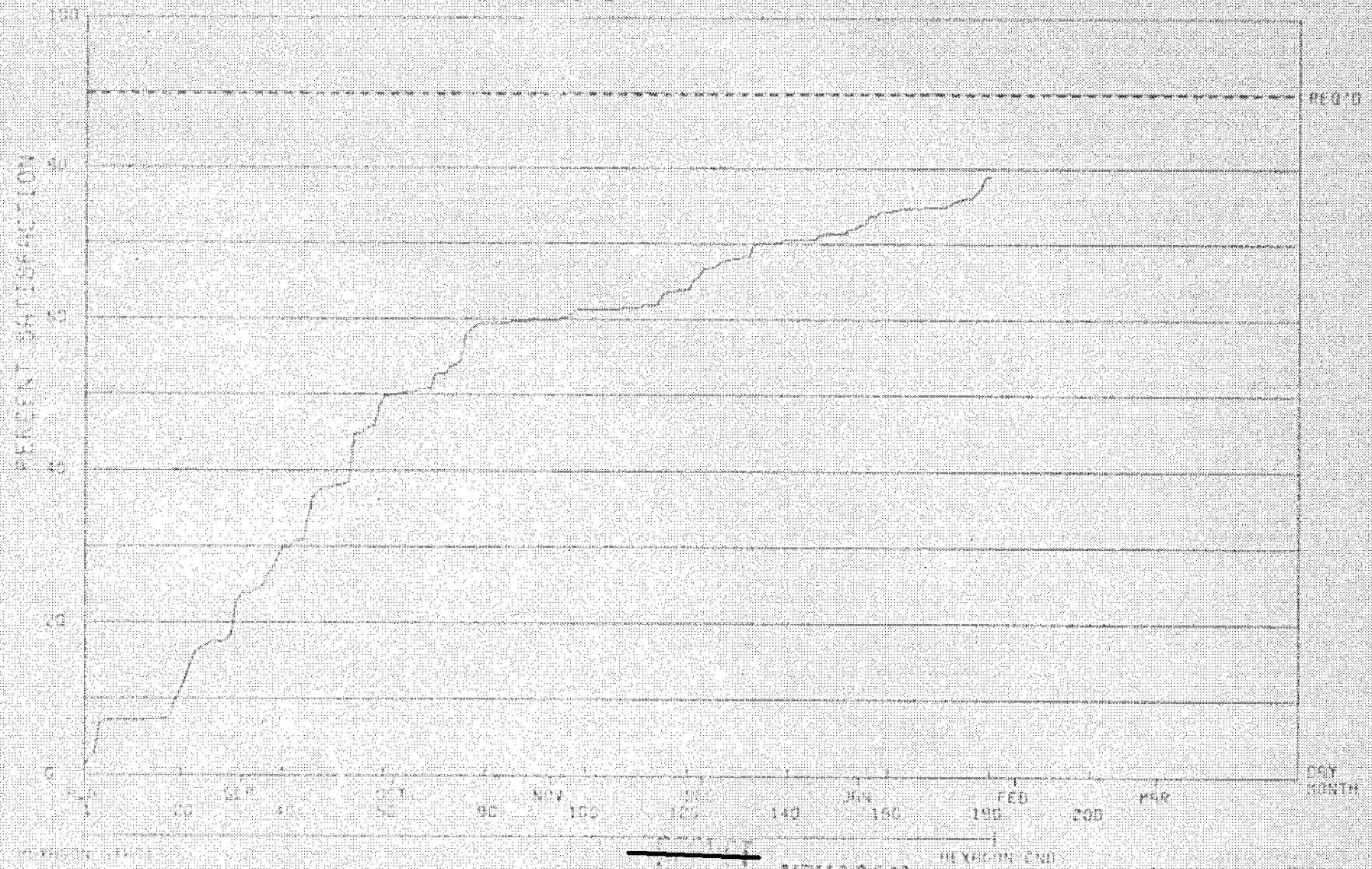
PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 42 NO. TGTS OR CELLS = 66
PERCENT REQ'D = 90. PERIOD = 180
MAXORD = 30. MODE = S

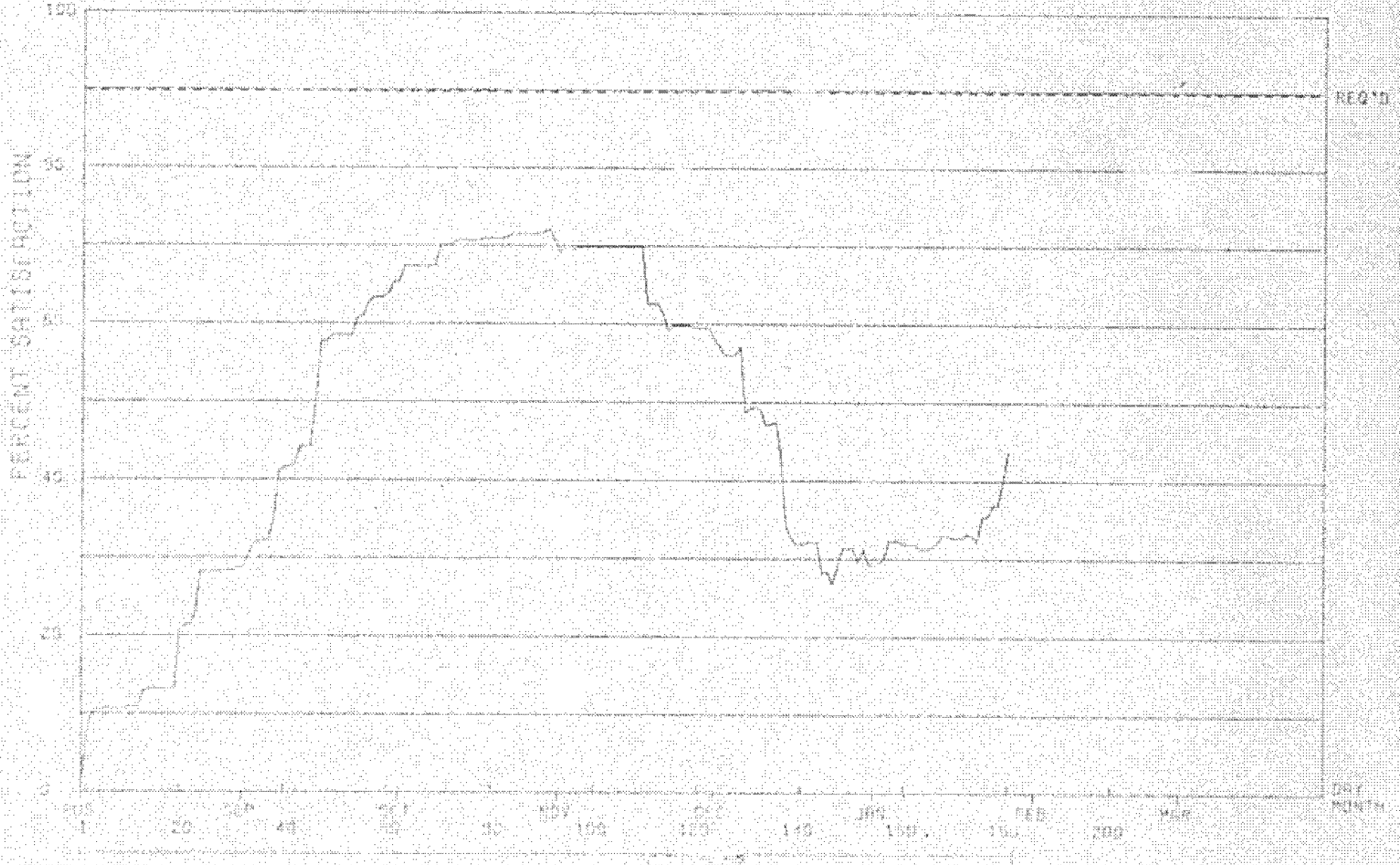
AVERAGE STATUS = 30.8



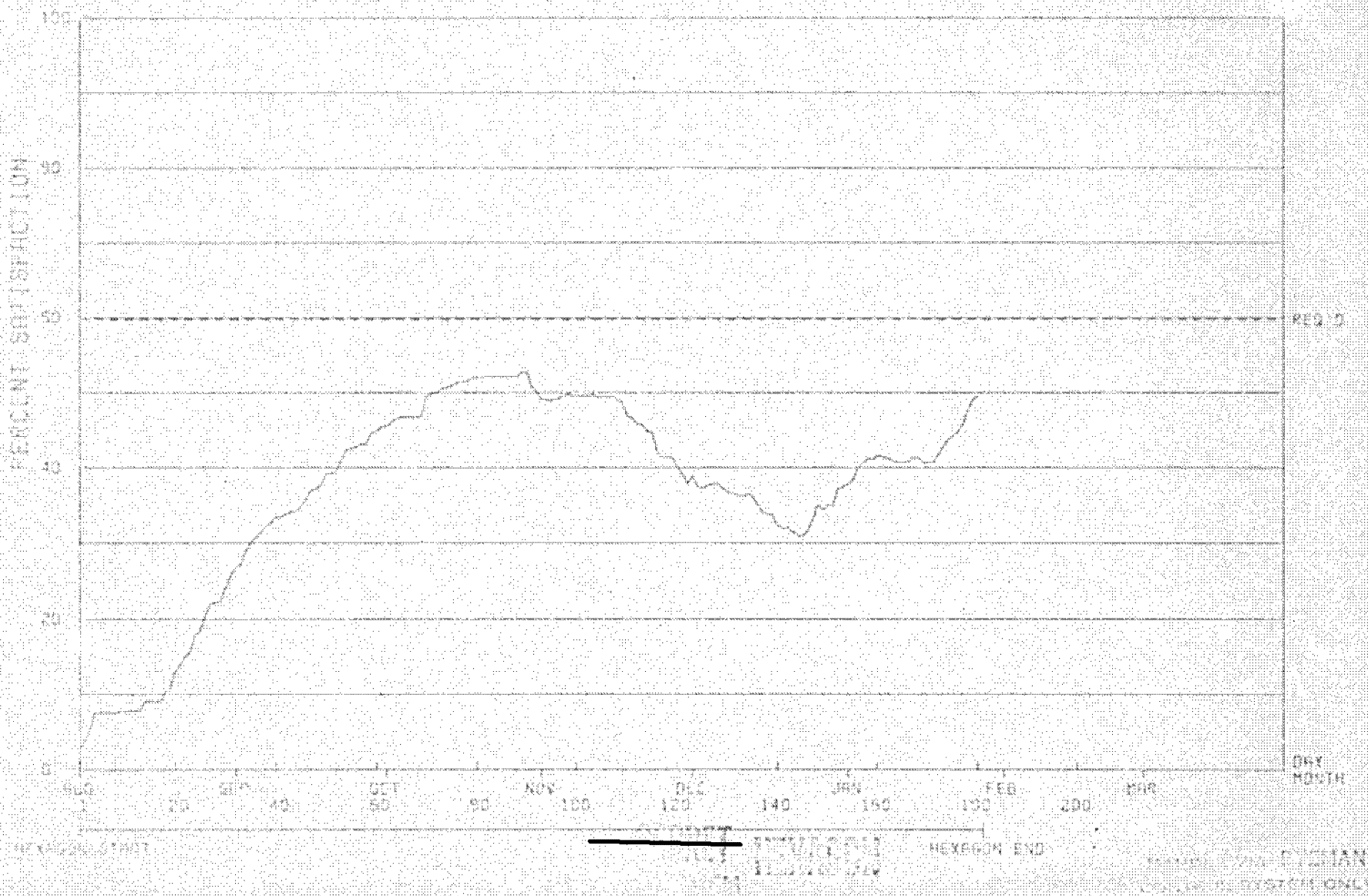
PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (190 DAY SIMULATION)
PROBLEM SET NO. 43 NO. TGTS OR CELLS = 502
PERCENT REQ'D = 90. PER100 = 254
MAXGRD = 48. MODE = S
AVERAGE STATUS = 51.0



PROBLEM SET STATUS VS. TIME
CASE: TC RUN 25 (160 DAY SIMULATION)
PROBLEM SET NO. 44 NO. TOTS OR CELLS = 355
PERCENT REQ'D = 90. PERIOD = 90
MAXORD = 48. MODE = S
AVERAGE STATUS = 46.1



PROBLEM SET STATUS VS. TIME
CASE 10 RUN 25 (160 DAY SIMULATION)
PROBLEM SET NO. 45 NO. JOTS OR CELLS = 609
PERCENT REQ'D = 50, PERIOD = 90
MAXORD = 48, MODE = S
AVERAGE STATUS = 37.0



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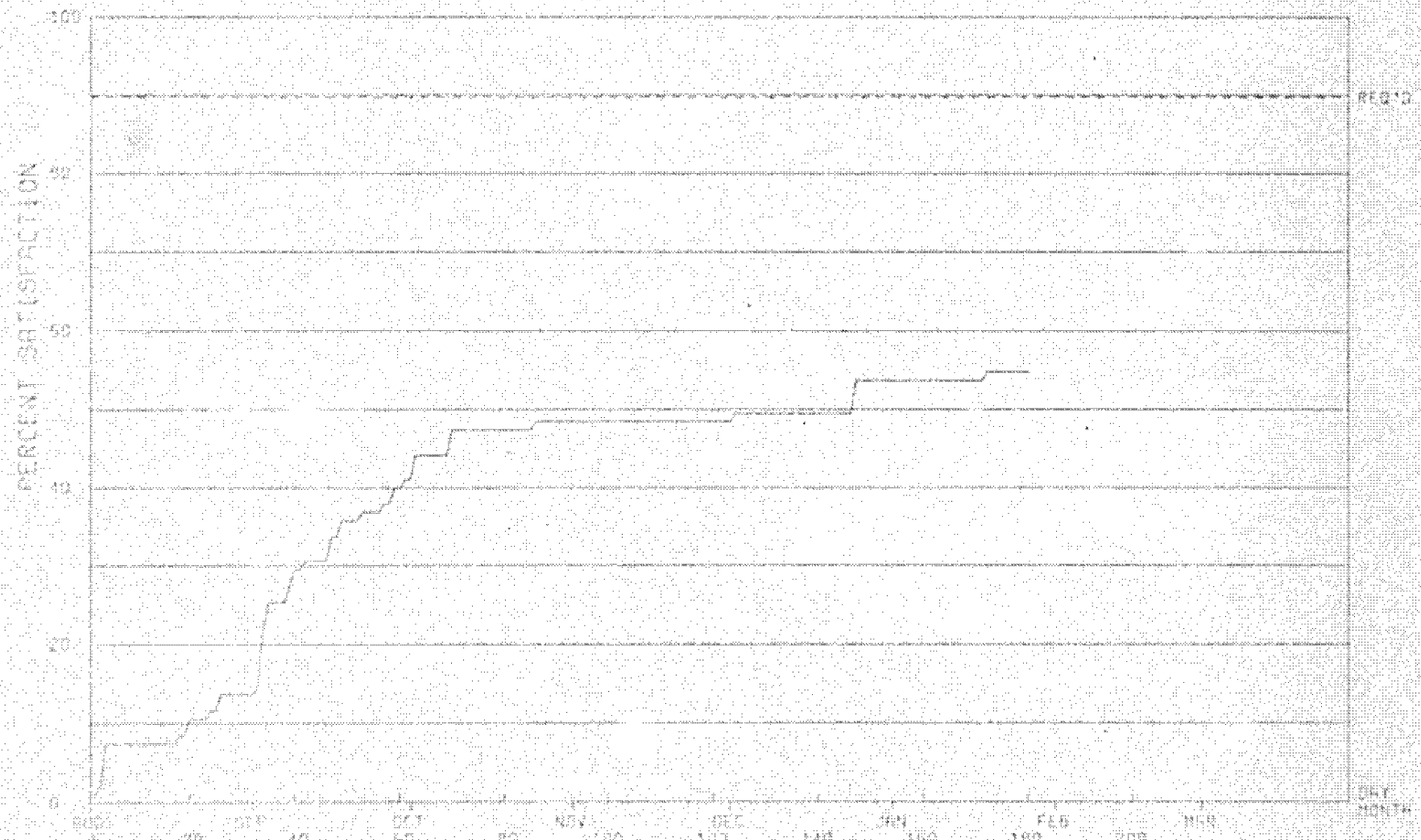
KENSAN [illegible]

PROBLEM SET STATUS VS. TIME
CASE 1C RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 46 NO. TOTS OR CELLS = 95
PERCENT REQ'D = 90. PERIOD = 180
MAXQ=D = 40. MODE = S
AVERAGE STATUS = 39.7



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PROBLEM SET STATUS VS. TIME

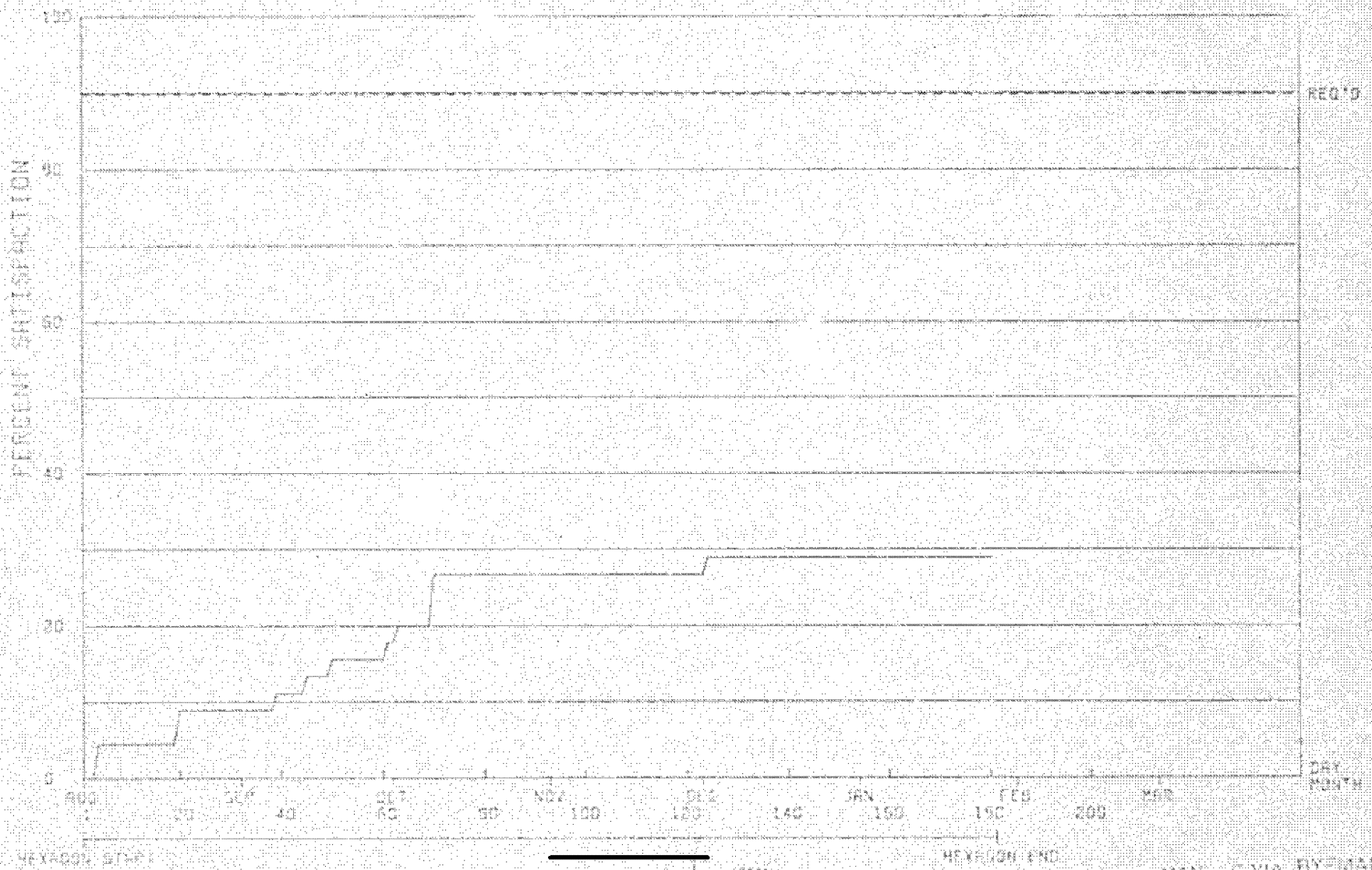
CASE IC RUN 25 (180 DAY SIMULATION)

PROBLEM SET NO. 48 NO. TOTS OR CELLS = 45

PERCENT REQ'D = 90. PERIOD = 180

MAXORD = 30. MODE = M

AVERAGE STATUS = 21.1



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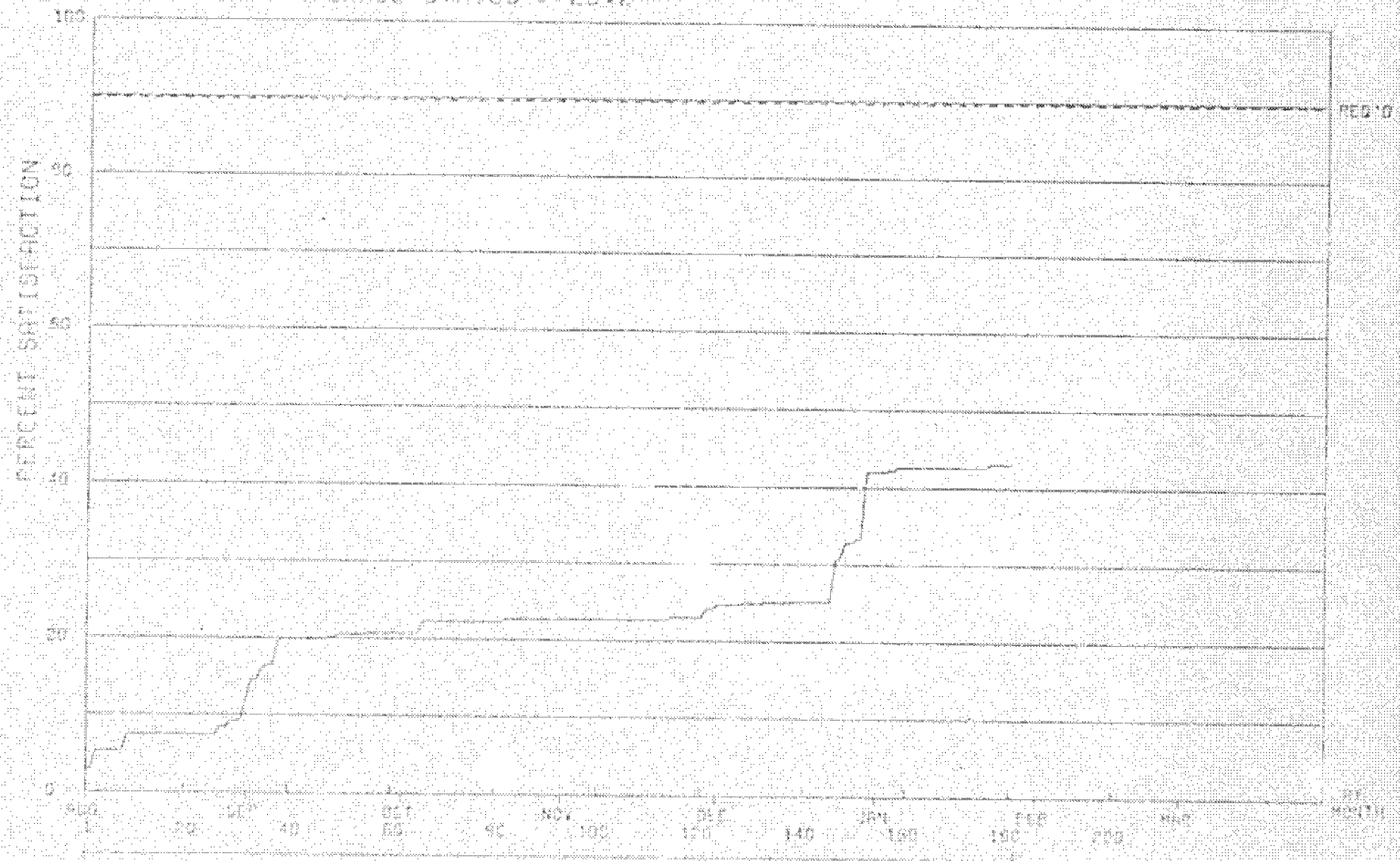
PROBLEM SET STATUS VS. TIME
CASE 1C RUN 2S (180 DAY SIMULATION)
PROBLEM SET NO. 49 NO. TGTS OR CELLS = 1551
PERCENT REQ'D = 90% PERIOD = 180
MAXORD = 30% MODE = M
AVERAGE STATUS = 28.2



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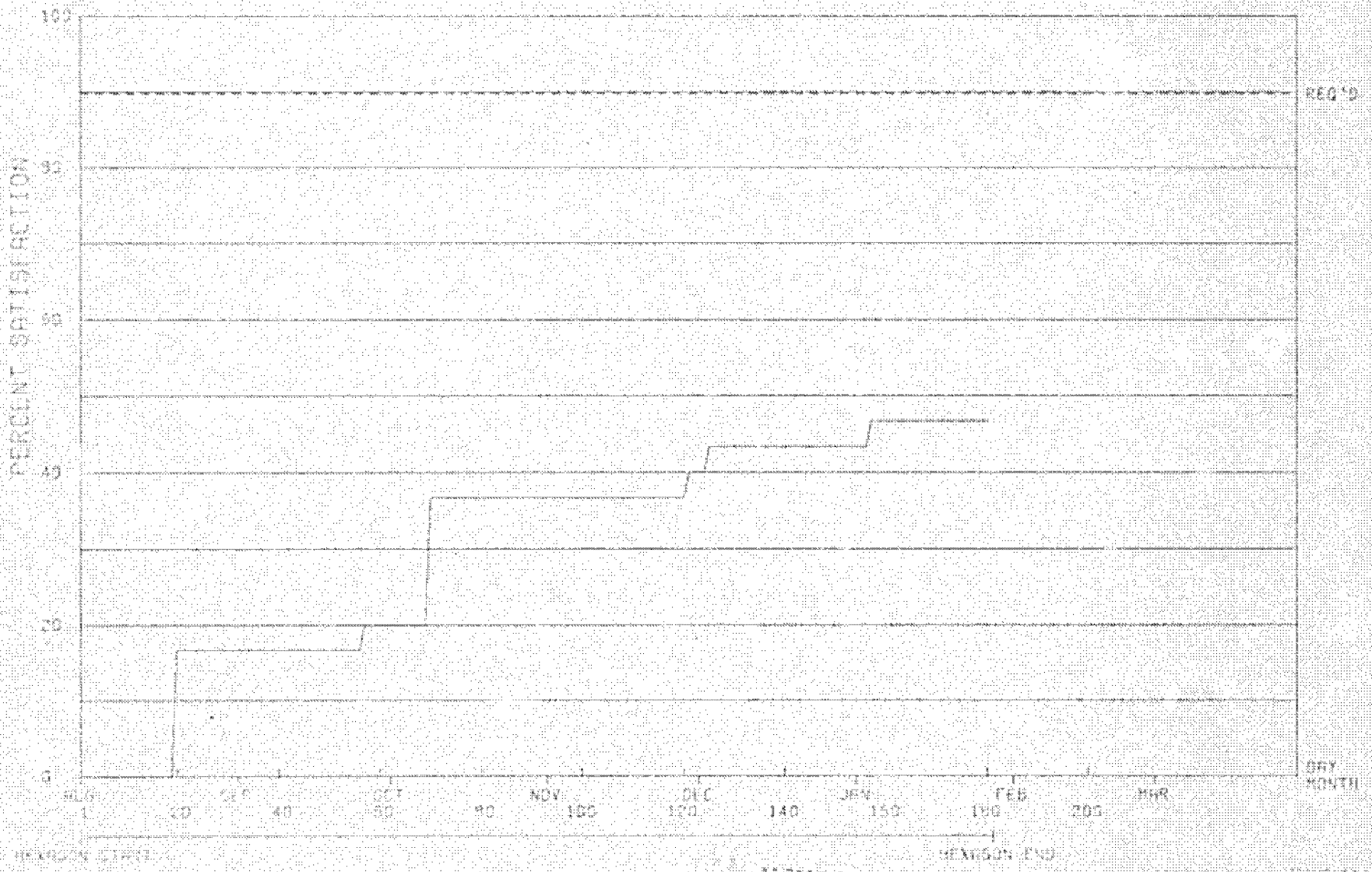
PROBLEM SET STATUS VS. TIME
CASE 10 RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 50 NO. OF DS CELLS = 30
PERCENT REQ'D = 90. PERIOD = 254
MAXORD = 50. MODE = M
AVERAGE STATUS = 30.1



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REVISION

PROBLEM SET STATUS VS. TIME

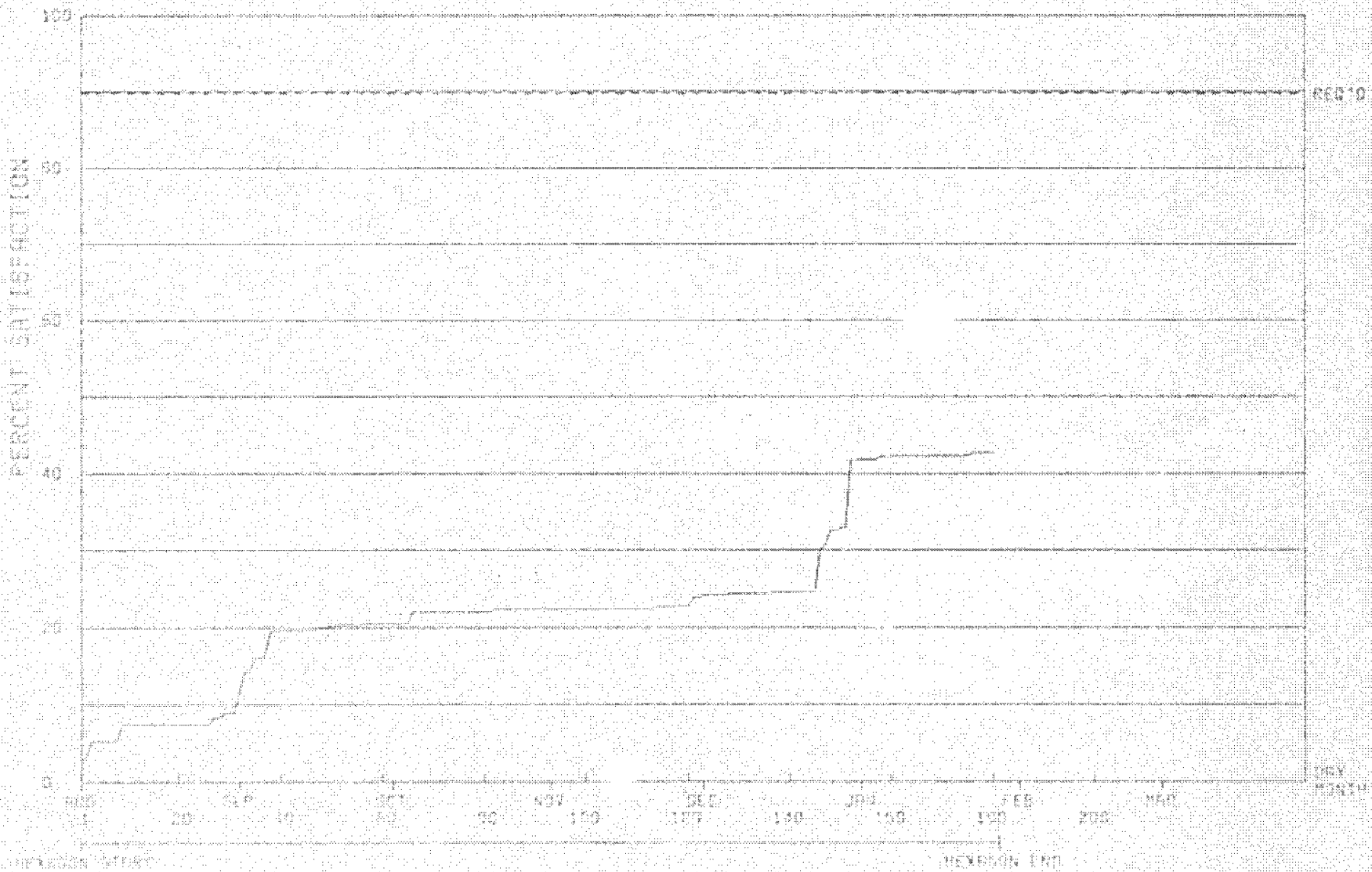
CASE IC RUN 25 (180 DAY SIMULATION)

PROBLEM SET NO. 51 NO. TGTS OR CELLS = 1451

PERCENT REQ'D = 90. PERIOD = 180

MAXORD = 30. MODE = M

AVERAGE STATUS = 22.9

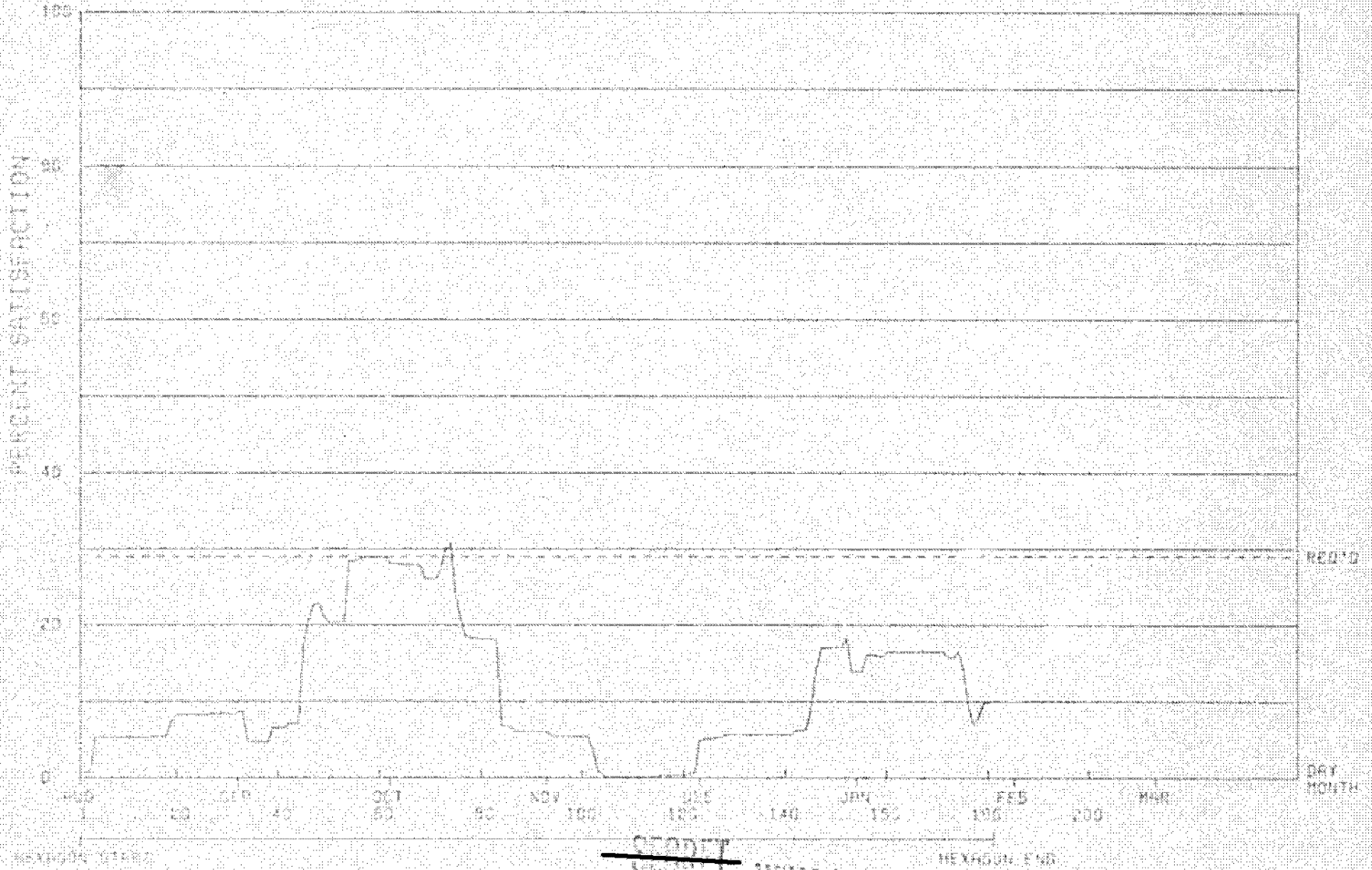


REVISION

[redacted]

PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 52 NO. TO 3 OR CELLS = 1283
PERCENT REQ'D = 29. PERIOD = 30
MAXORD = 30. MODE = M

AVERAGE STATUS = 11.1

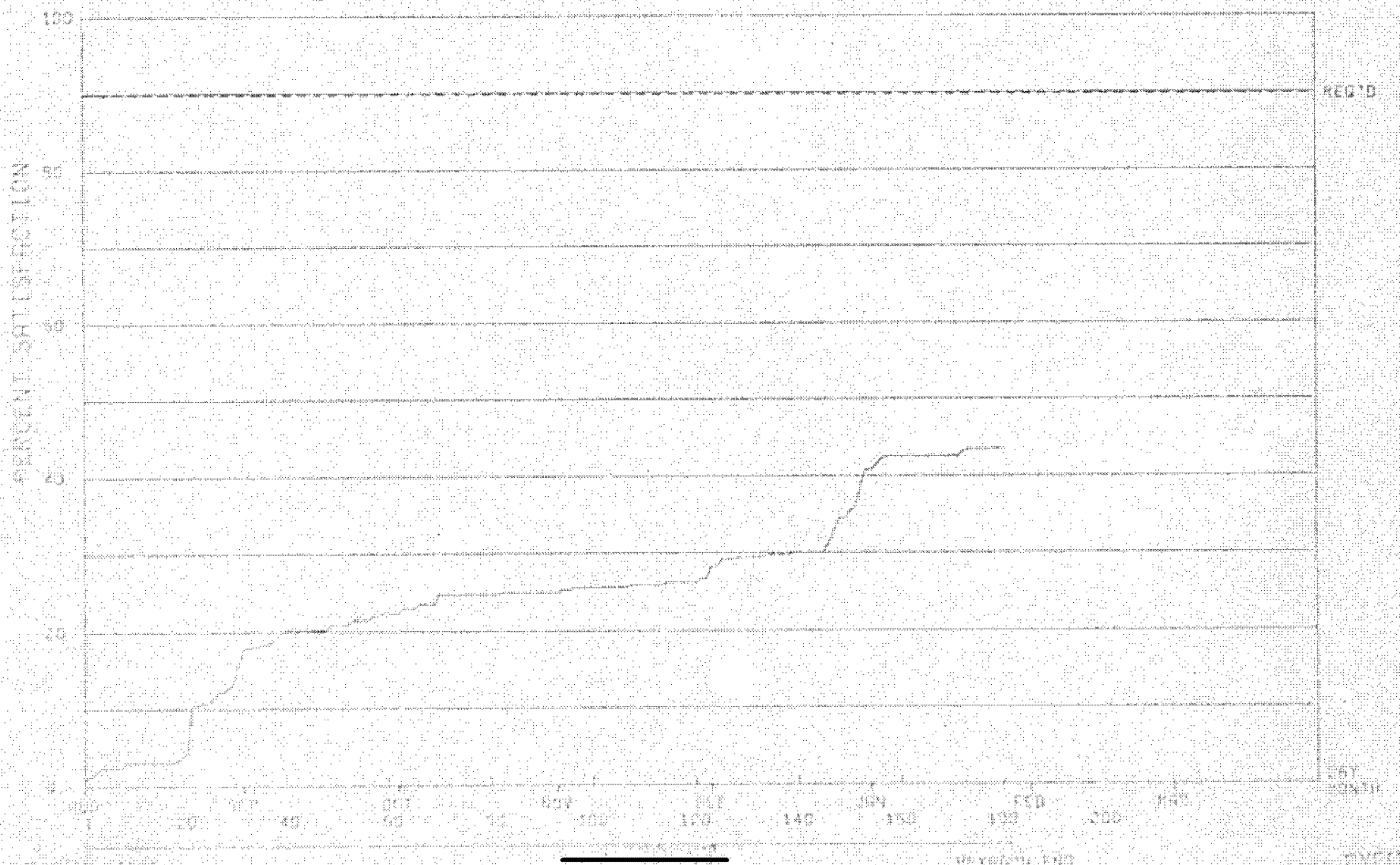


[redacted]

[redacted]

PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 53 NO. TOTS OR CELLS = 336
PERCENT REQ'D = 90. PERIOD 180
MAXGRD = 30. MODE = M

AVERAGE STATUS = 24.7

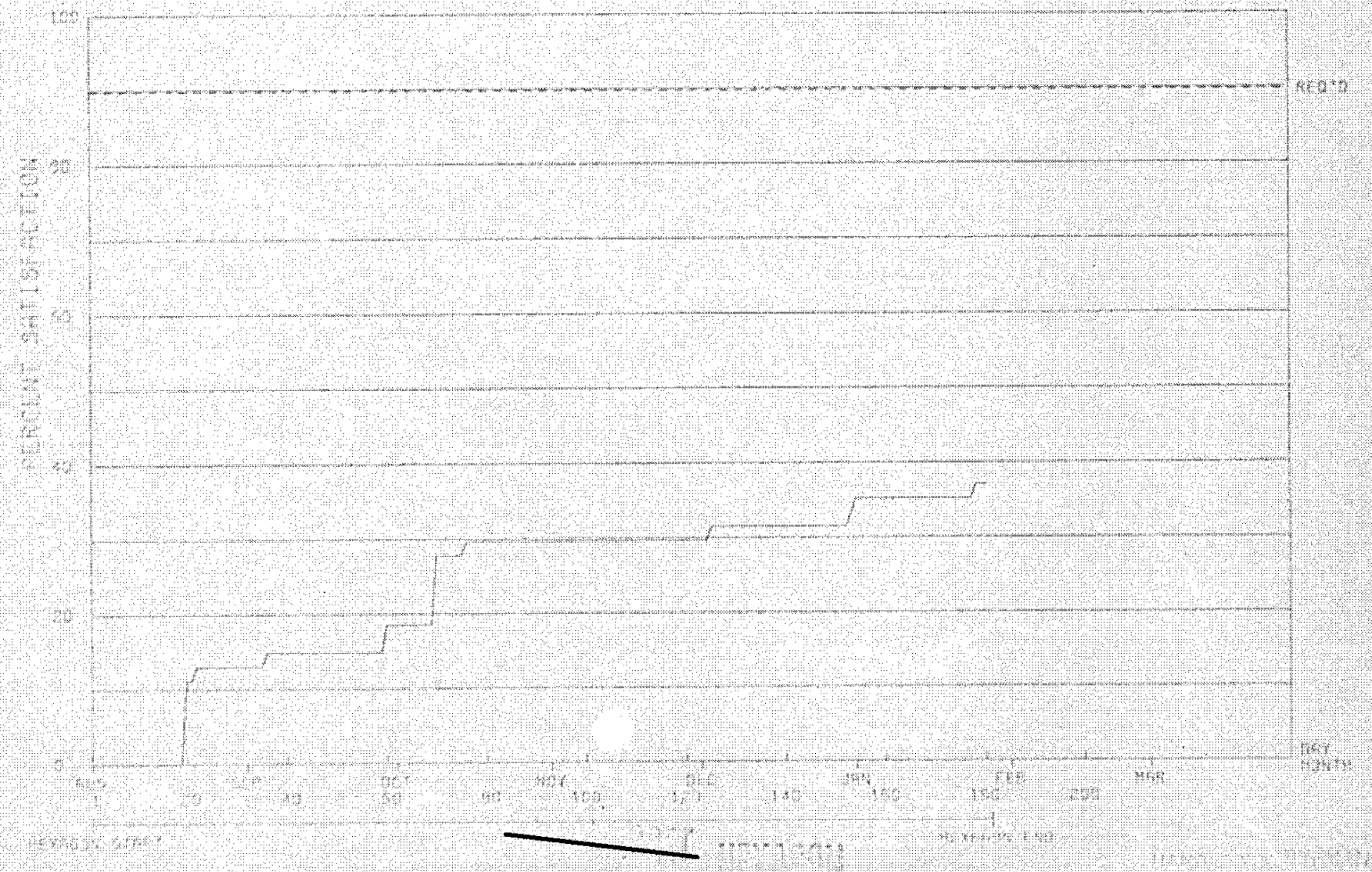


[redacted]

[redacted]

PROBLEM SET STATUS VS. TIME
CASE 10 RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 50 NO. JOTS OR CELLS = 54
PERCENT REQ'D = 90, PERIOD = 180
MAXGRD = 30, MODE = S

AVERAGE STATUS = 23.5



[redacted]

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PROBLEM SET STATUS VS. TIME

CASE IC RUN 25 (180 DAY SIMULATION)

PROBLEM SET NO. 60 NO. TOTS OR CELLS = 5047

PERCENT REQ'D = 90. PERIOD = 254

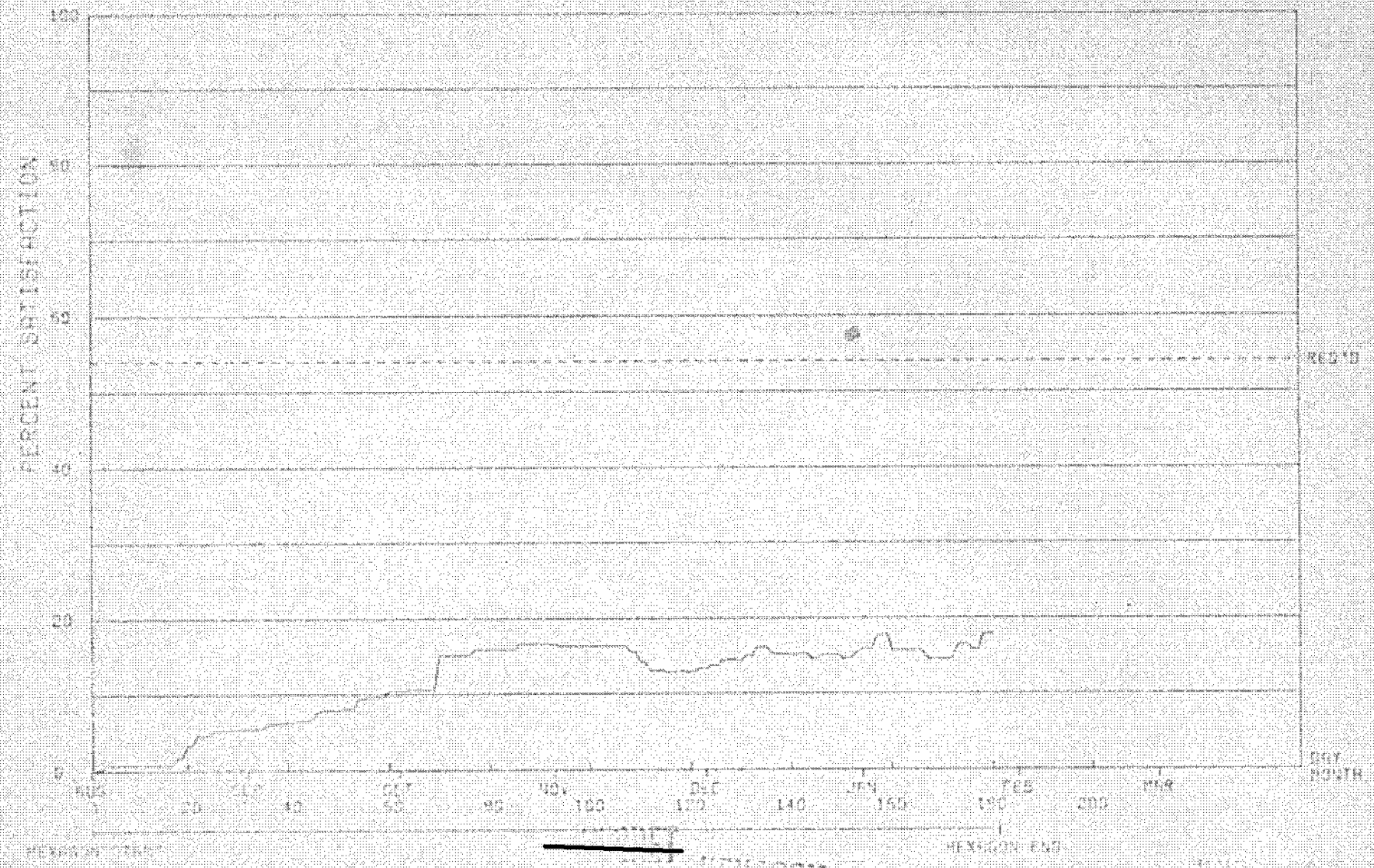
MAXORD = 30. MODE = M

AVERAGE STATUS = 26.4

[redacted]

PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 61 NO. TOTS OR CELLS = 510
PERCENT REQ'D = 54. PERIOD = 90
MAXGRD = 30. MODE = M

AVERAGE STATUS = 11.6



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PROBLEM SET STATUS VS. TIME

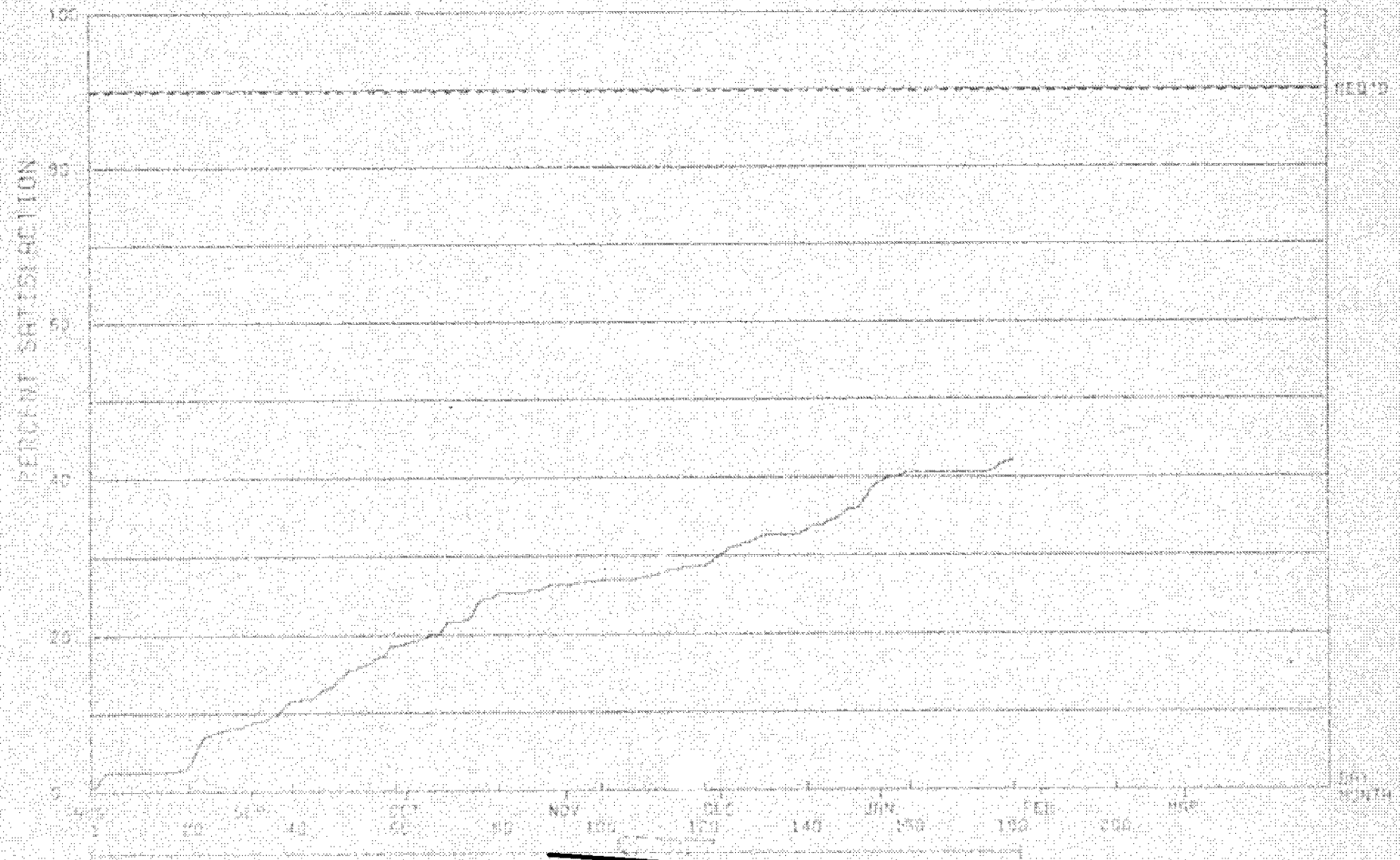
CASE IC RUN 25 (180 DAY SIMULATION)

PROBLEM SET NO. 62 NO. TGTS OR CELLS = 567

PERCENT REQ'D = 90, PERIOD = 180

MAXORD = 30, MODE = M

AVERAGE STATUS = 23.4



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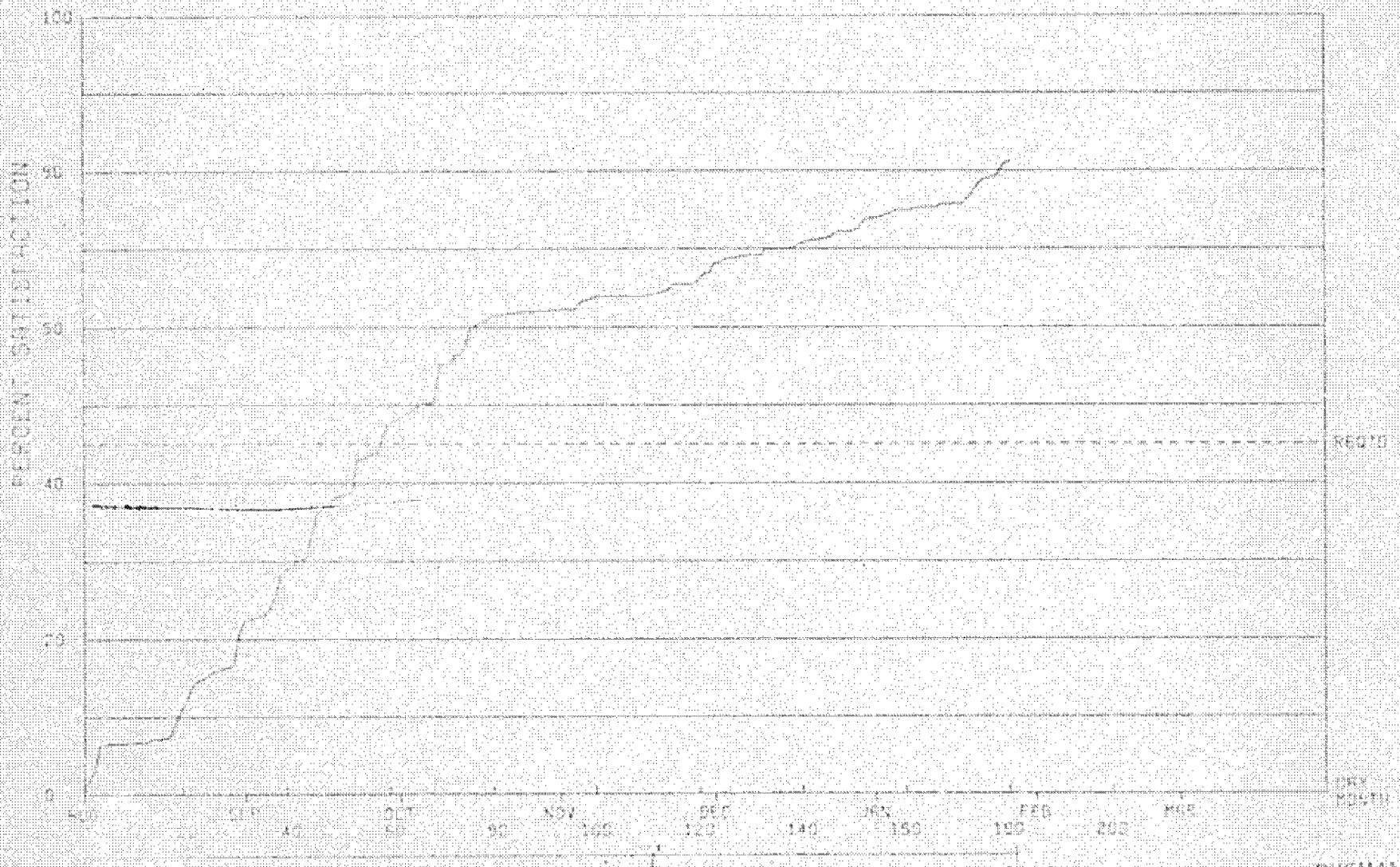
SECRET

PROBLEM SET STATUS VS. TIME
CASE 1C RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 03 NO. TCIS OR CELLS = 1262
PERCENT REQ'D = 45. PERIOD = 180
MAXORD = 48. MODE = M
AVERAGE STATUS = 51.6

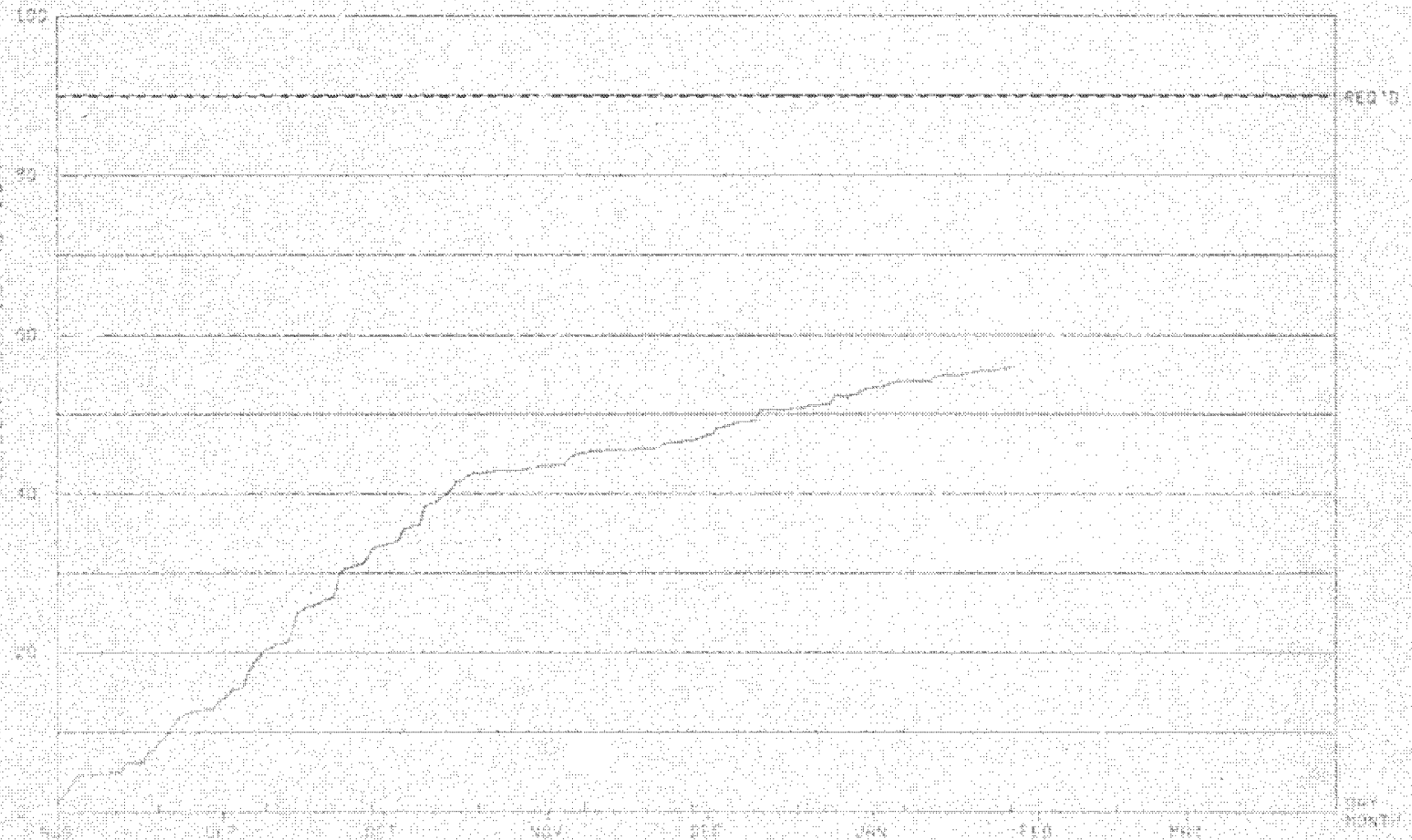


HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY

~~SECRET~~

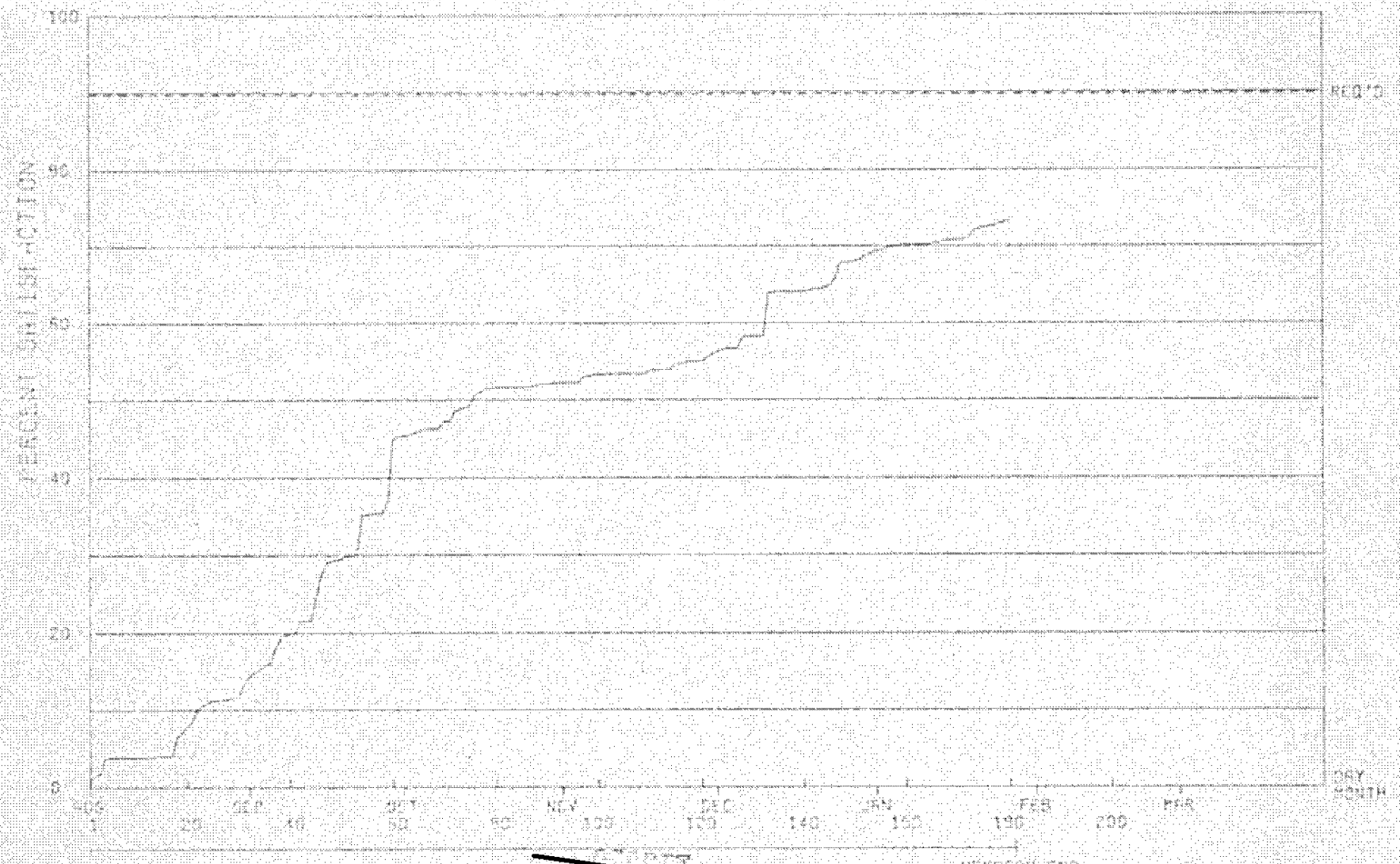
PROBLEM SET STATUS VS. TIME
CASE 1C RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 84 NO. TOTS OR CELLS = 603
PERCENT REQ'D = 90. PERIOD = 180
MAXGRD = 46. MODE = M

AVERAGE STATUS = 36.7



[redacted]

PROBLEM SET STATUS VS. TIME
CASE NO. RUN 25 (190 DAY SIMULATION)
PROBLEM SET NO. 55 NO. TOTS OR CELLS = 1687
PERCENT REQ'D = 90, PERIOD = 254
MAXORD = 48, MODE = M
AVERAGE STATUS = 44.6

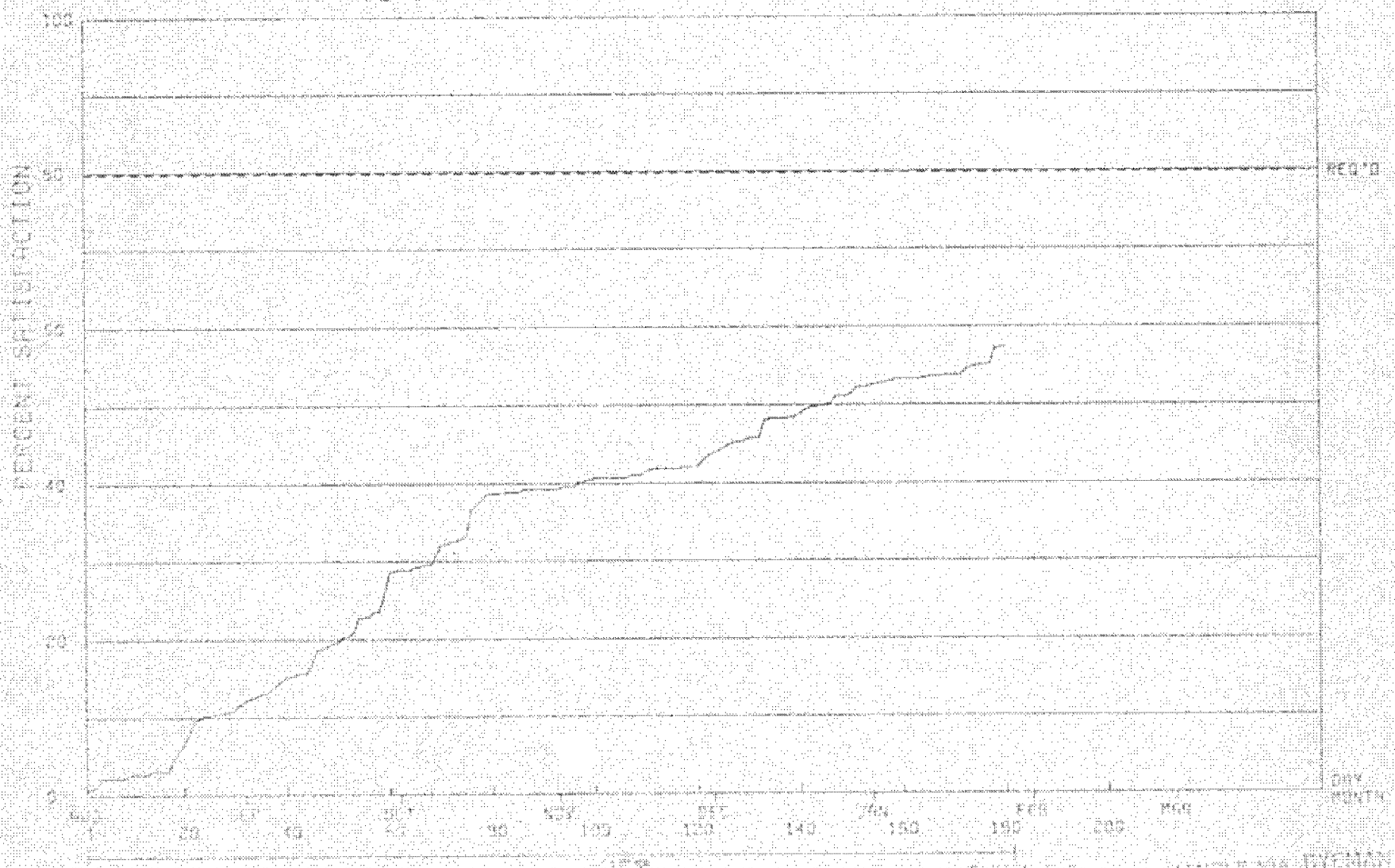


[redacted]

LEGEND VIA BYEMAN
CONTROL SYSTEM ONLY

[redacted]

PROBLEM SET STATUS VS. TIME
CASE IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 57 NO. JOTS OR CELLS = 1121
PERCENT REQ'D = 80. PERIOD = 180
MAXORD = 36. MODE = S
AVERAGE STATUS = 33.4



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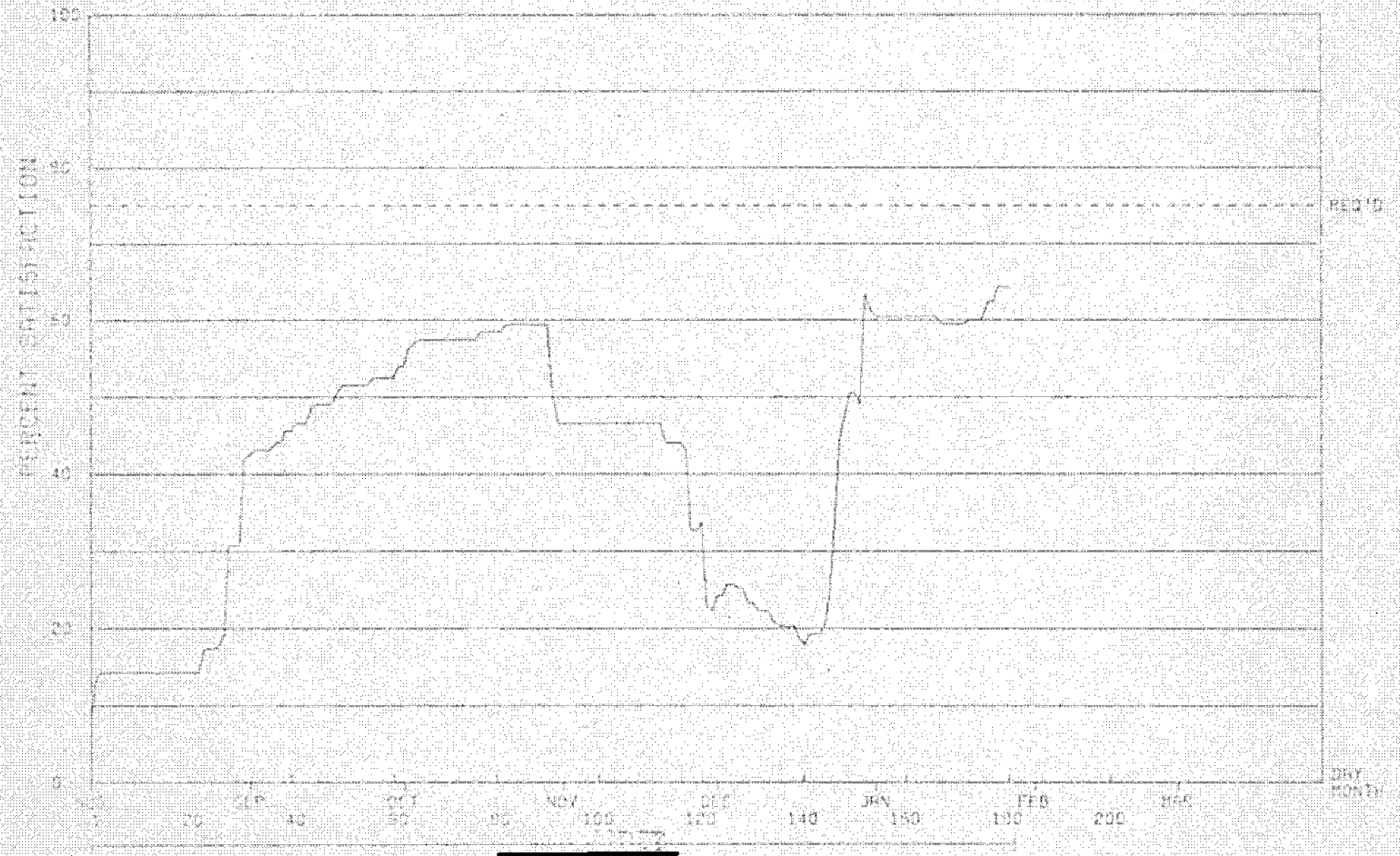
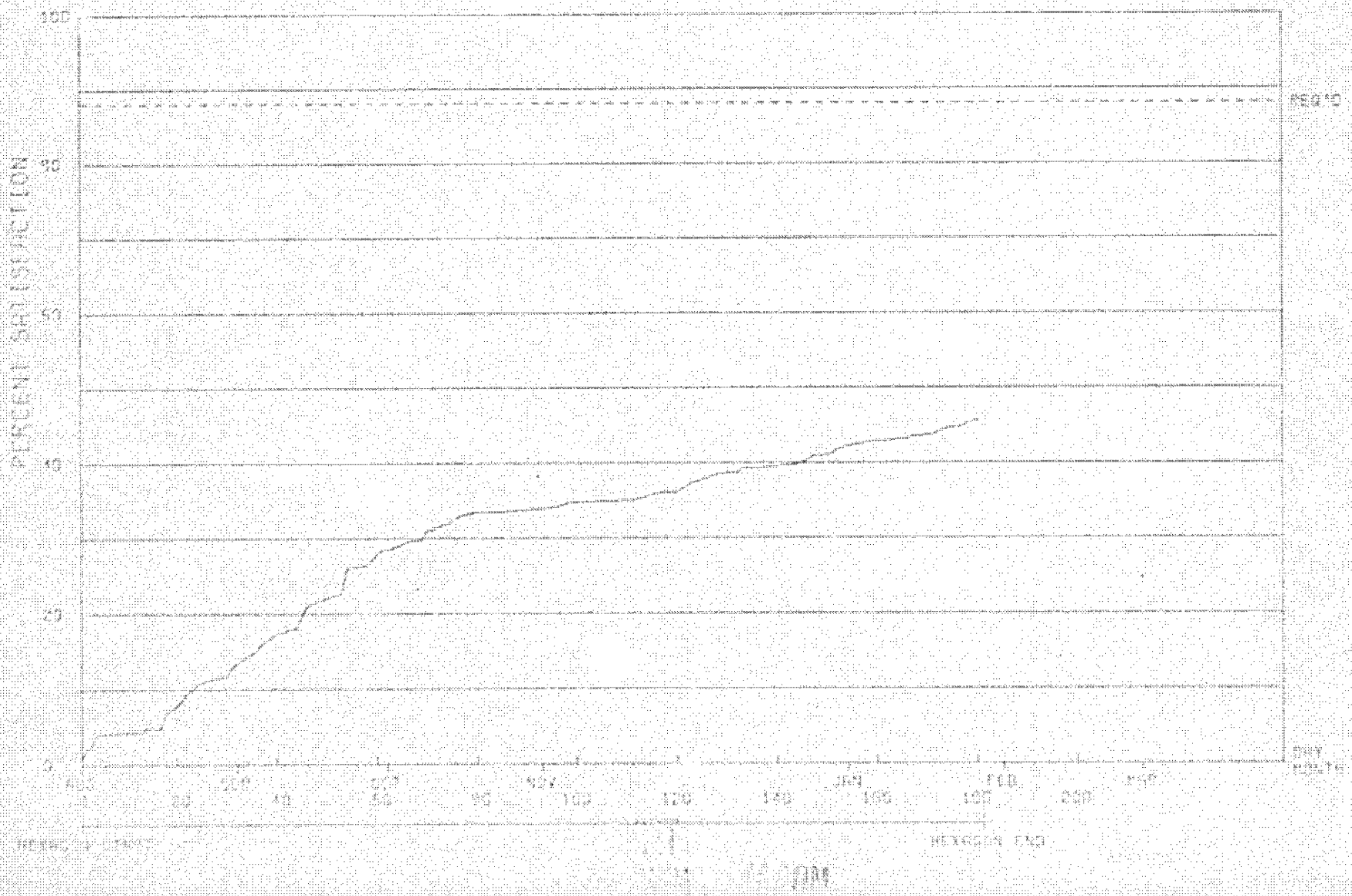
PROBLEM SET STATUS VS. TIME
CASE 1C RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 69 NO. TOTS OR CELLS = 202
PERCENT REQ'D = 75. PER100 = 90
MAXGRO = 48. MODE = M
AVERAGE STATUS = 42.3



PROBLEM SET STATUS VS. TIME
CASE: IC RUN 25 (180 DAY SIMULATION)
PROBLEM SET NO. 71 NO. TGTS OR CELLS = 7462
PERCENT REQ'D = 88. PERIOD = 264
MAXORD = 48. MODE = M

AVERAGE STATUS = 29.3



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END

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