TOP SECRET [redacted] 1967

Intelligence (125-2100)

.5 M$ × 1975/2075 = 15.2 in (?-2000)

.6 M$ × 100/2075 = .8 — in (2000-3300)
½ to EW 2000-3300
½ to HF/FC

Satellite I (2600-3300)

covers 700 of 1310 in EW (2000-3310) or 53%
covers 700 of 2300 in HF/FC (2600-4900) or 30%
covers 5 bands or 30% of MC — 30%
113%

5.2 × 53/113 = 2.4 for EW (2000-3310)

5.2 × 30/113 = 1.4 for HF/FC

5.2 × 30/113 = 1.4 for MC

Satellite II (2960-3215)

covers 255 of 1310 in EW (2000-3310) or 19.5%
covers 255 of 2300 in HF/FC (2600-4900) or 11.1
covers 255 of 410 of 30% of MC or 19.0
49.6

5.2 × 19.5/49.6 = 2.0 in EW (2000-3310 only)

5.2 × 11.1/49.6 = 1.2 in HF/FC

5.2 × 19.0/49.6 = 2.0 in MC

Ground 2000-4900

covers 1310 of 1310 in EW (2000-3310) or 100.0%
covers 1400 of 2300 in HF/FC or 61.0%
covers 410 of 410 of 30% of MC or 30%

.6 × 100/191 = .31 for EW (2000-3310)
.6 × 61/191 = .20 for HF/FC
.6 × 30/191 = .09 for MC

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~~TUR[illegible]~~ [redacted] (Cont) FY 6[illegible]

Simpson (5000-1300 & Nylon (9000-9300)
Charge to Misc ~~[illegible]~~ 1.2

Fusion I (4900-5100) & Fusion III
Covers only MC, charge ~~[illegible]~~ 1.2 to MC

Tripos ~~[illegible]~~ II (4000-8000)
Covers 900 of 2300 in HF/FC or 39%
Covers 400 of 400 of 70% of MC or 70% / 109

~~[illegible]~~ × 39/109 = 0.[illegible] for HF/FC

~~[illegible]~~ × 70/109 = 0.8 for MC

Poppy (1105)
5 1/2 Bands are in EW (< 2000)
1 1/2 Bands are in EW (2000-3000)
6 Bands are in Misc.
4 Bands are in HF/FC
[illegible] Band(s) in MC
16 Bands

So charge

12 × 5 1/2 / 16 = 4.2 to EW (< 2000)

12 × 6/16 = 4.5 to Misc

12 × 4/16 = 3.0 to [illegible] (EW [illegible]-3300, HF/FC, 1300)

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FY 67

(5)

	Included in Budget	Full Strength	Full Training	Full Strength and Full Training
Infantry	57	41	7	5
[illegible]	6	3	2	1
[illegible]	18	10	6	3
	1170 ~~1120~~	540	540	275

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TOP SECRET [redacted] Priority EOB Units 7/67 (6)

Priority	Band	Units	[illegible]	[illegible] II	Units
I a	[illegible]0-175	.43	[illegible]5		(0.43)
I b	[illegible]00-2000	.42		84	
	[illegible]0-2100	1.85	1[illegible]	185	
	[illegible]0-2500	1.83	300 / 700	572 / √841	(1.21)
I c	[illegible]00-2650	1.81	50	90.5	
	[illegible]50-2530	1.88	180	338.4	
	[illegible]-2900	1.62	70	113.4	
	[illegible]-2930	1.55	30	46.5	
	[illegible]-2960	1.88	30	56.4	
	[illegible]-3090	1.96	130	254.8	
	[illegible]-3180	1.93	90	173.7	
	[illegible]-3215	2.00	35	70.0	
	[illegible]-3250	1.88	35 / 650	65.8 / √1209.5	= (1.86)
I[illegible]	[illegible]-5070	5.45	140	763.0	
	[illegible]-5095	5.13	25 / 165	128.3 / √891.3	= (5.40)
I[illegible]	7[illegible]-880	.36	120	43.2	
	[redacted]	.43	95 / 215	40.9 / √84.1	= (0.39)
II b	5[illegible]-650	.43	100	43.0	
	[illegible]-680	.36	30 / 130	10.8 / √53.8	= (0.42)
III a	550-6700	2.44		=	(2.44)

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III.	[illegible]–9000	1.75	[illegible]	17.5
	9000–9500	2.57	[illegible]	7.71
	9500–9500	1.75	[illegible]	5.50
	9500–10000	1.43	5.00	71.50
			[illegible]	100.21 = (1.54)
IV	100–110	—		(0)

	[illegible] Avg.
a	0.43
b	1.21
c	1.56
d	5.40
[illegible]	0.39
[illegible]	0.42
[illegible]	2.44
[illegible]	1.54
[illegible]	0

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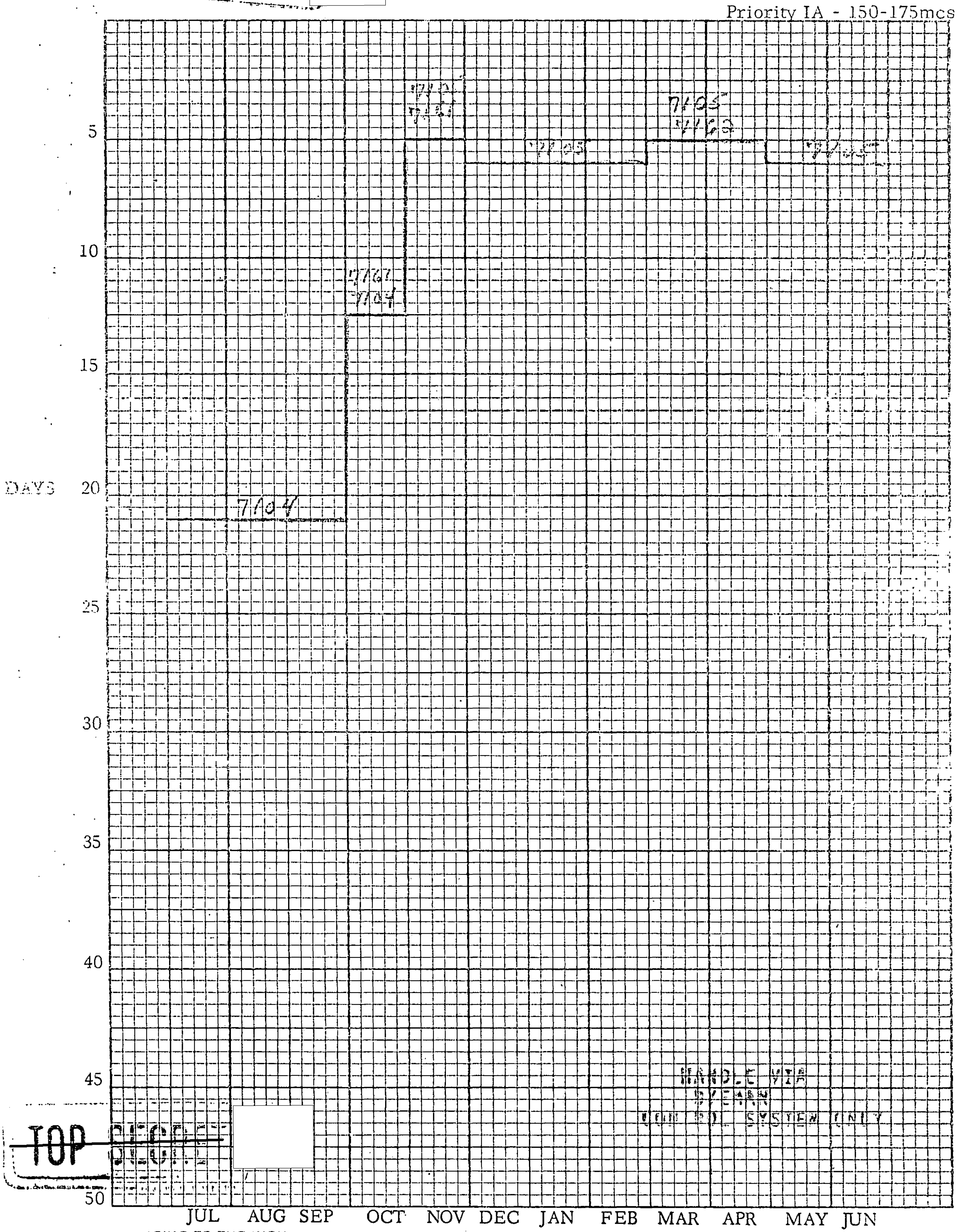
FY-67 - DAYS TO [redacted] PROBABILITY OF DETECTION

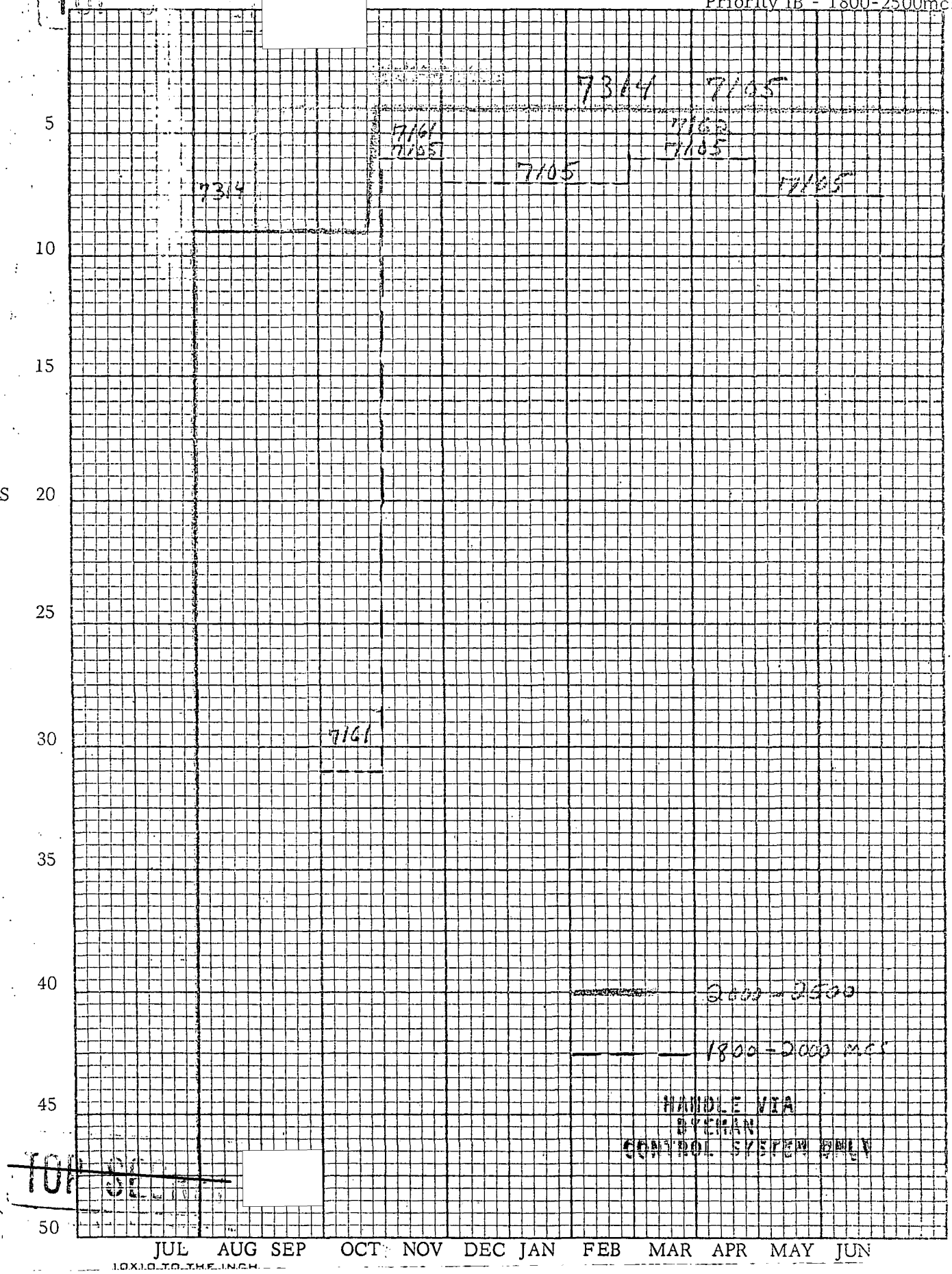


HANDLE VIA [redacted] CONTROL SYSTEM ONLY

TOP SECRET [redacted]

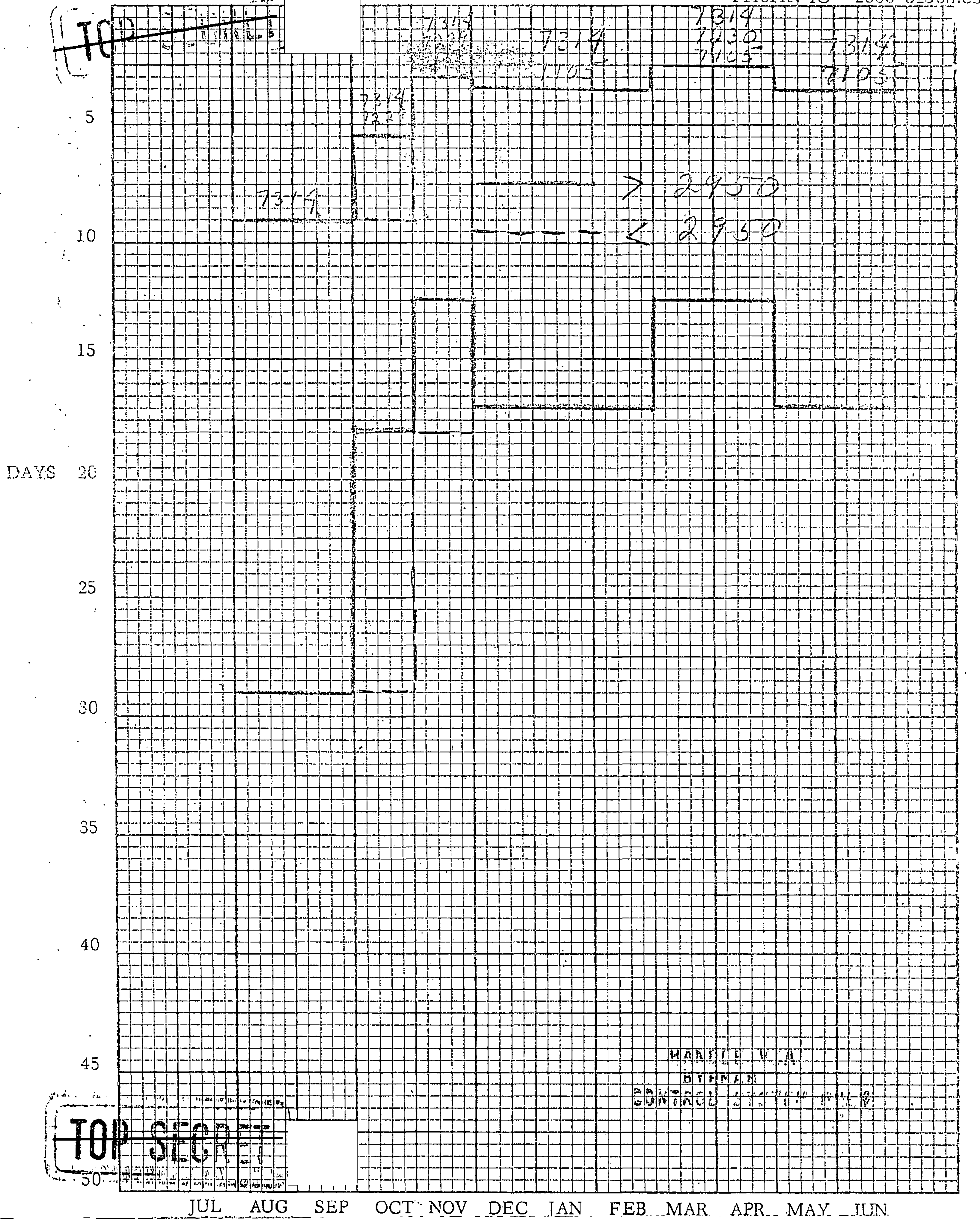
FY-[illegible] DAYS TO 95% PROBABILITY OF DETECTION

Priority IB - 1800-2500mcs



FY-67 - DAYS TO 95% PROBABILITY OF DETECTION

Priority IC - 2600-3250mcs



FY-67 - DAYS TO 95% PROBABILITY OF DETECTION

Priority IIA - 700-915 mcs

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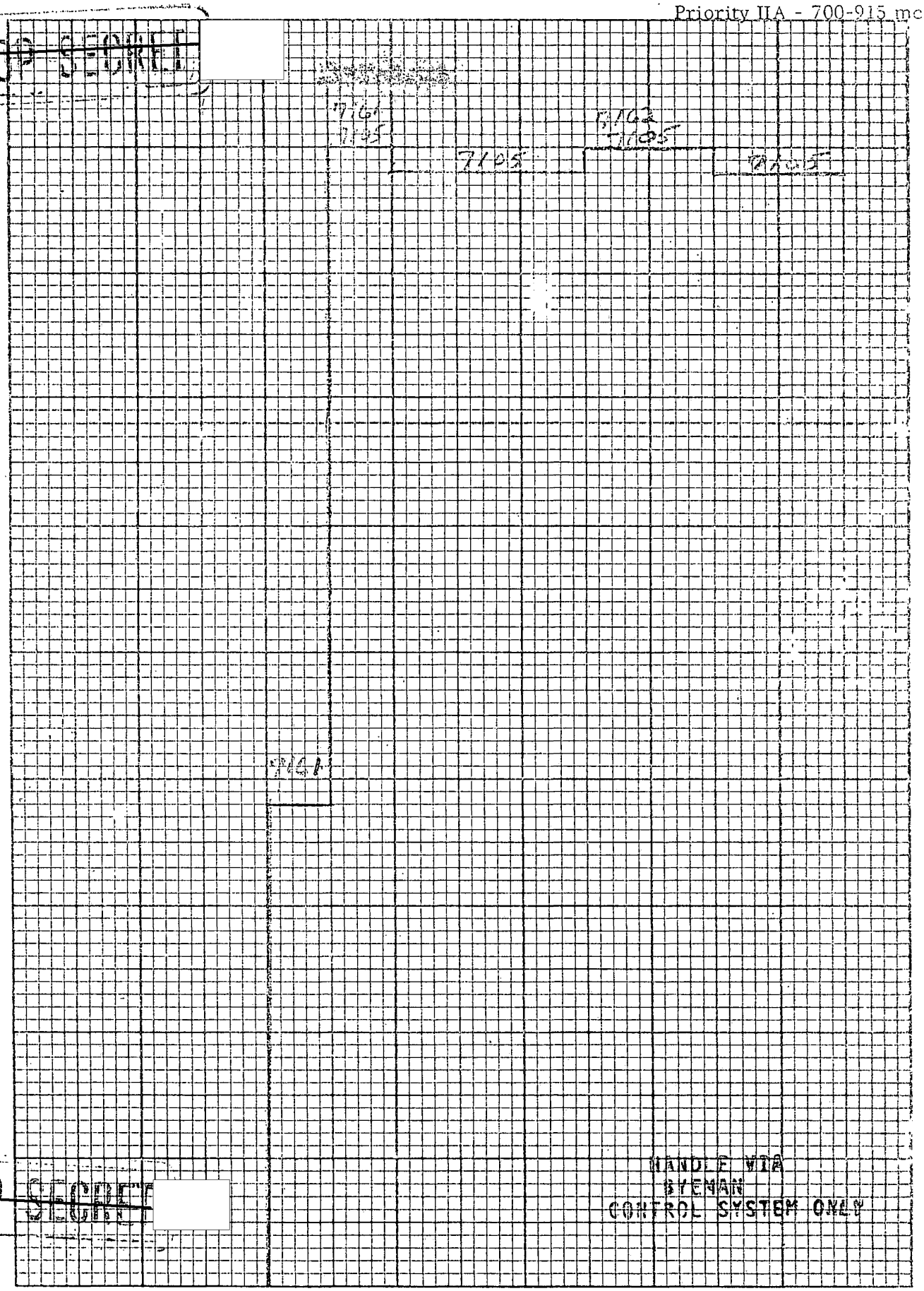

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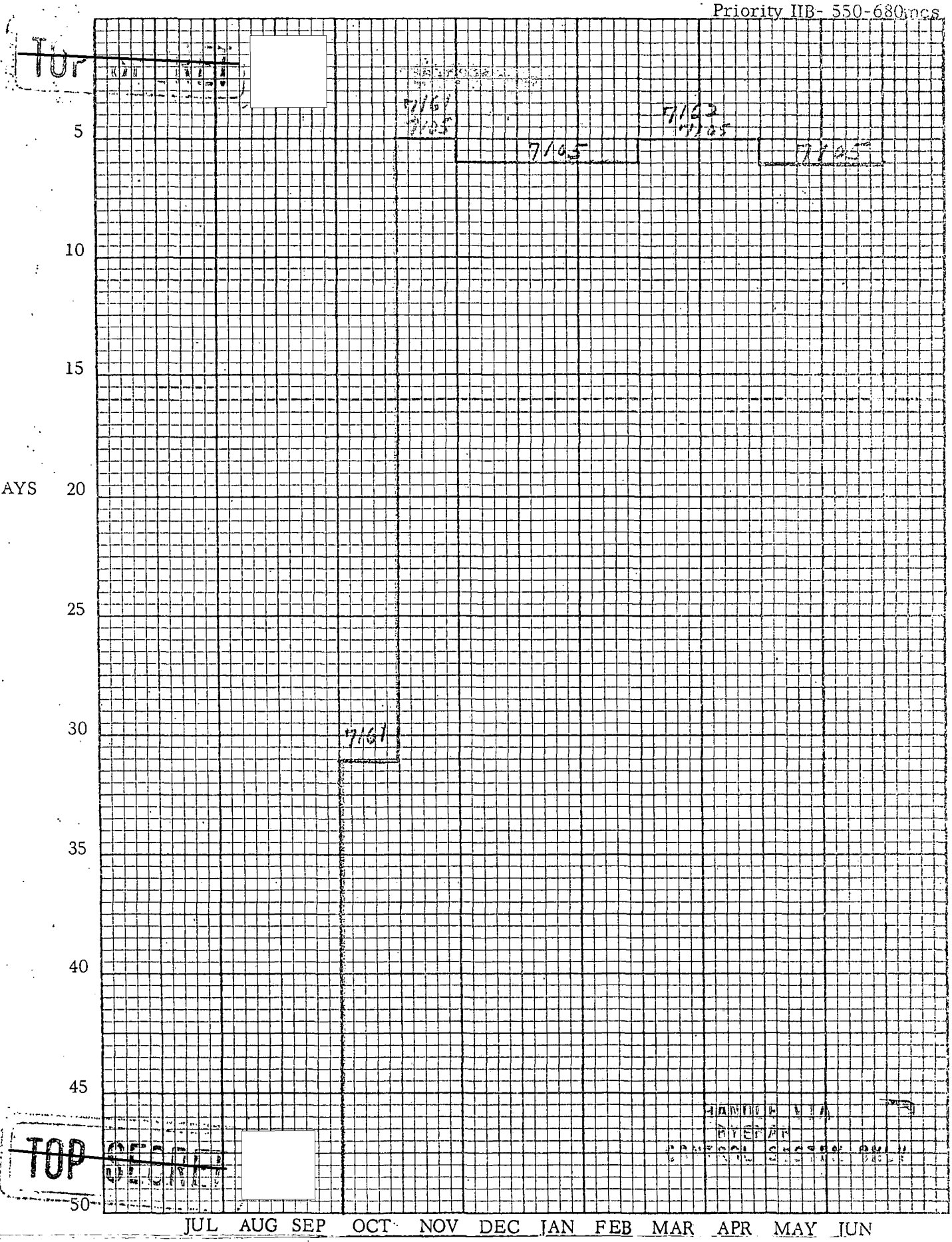
FY-67 - DAYS TO 95% PROBABILITY OF DETECTION

Priority IIB- 550-680nes



FY-67 - DAYS TO 95% PROBABILITY OF DETECTION

Priority IIIB - 8000-10000nc

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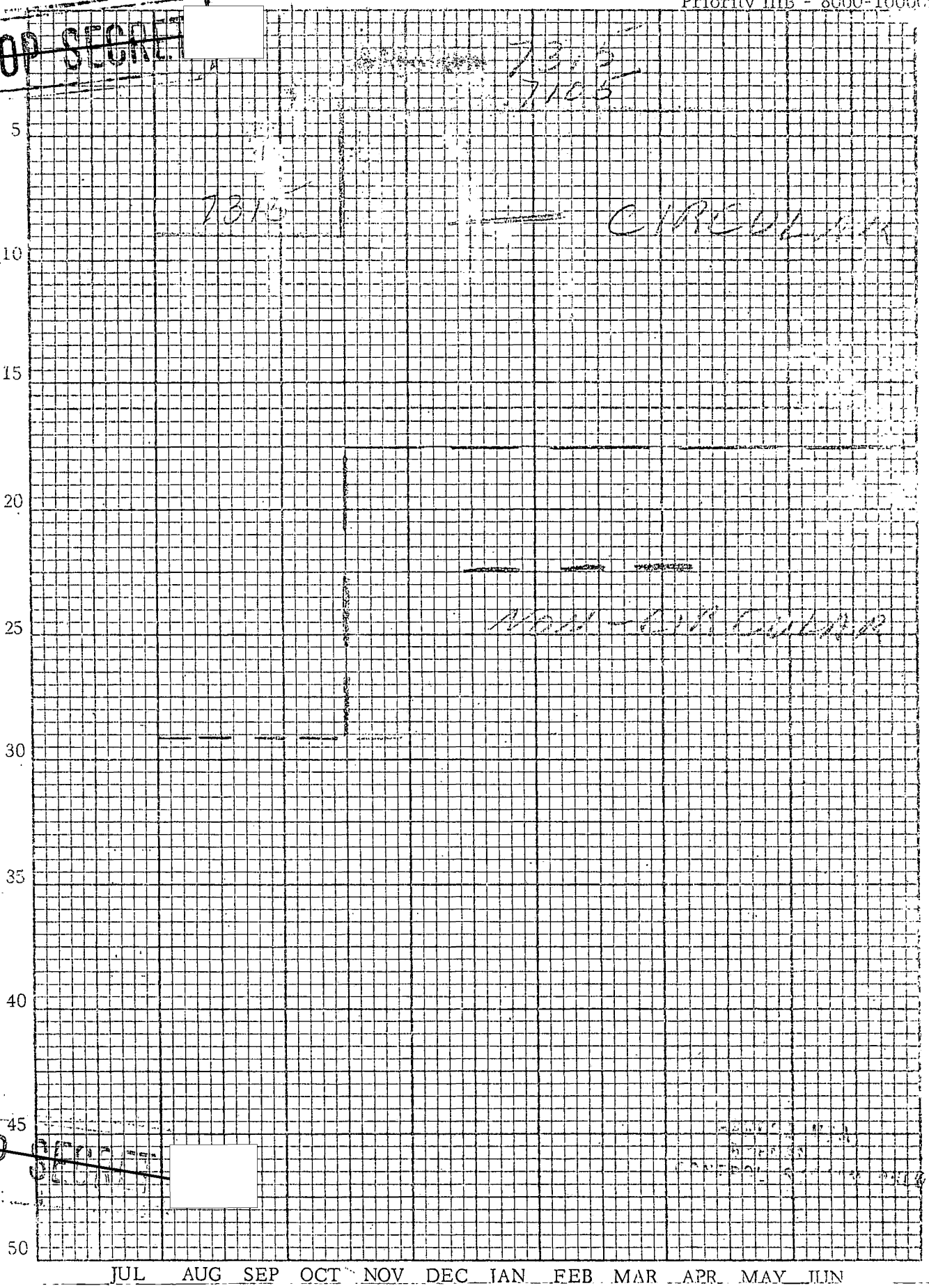

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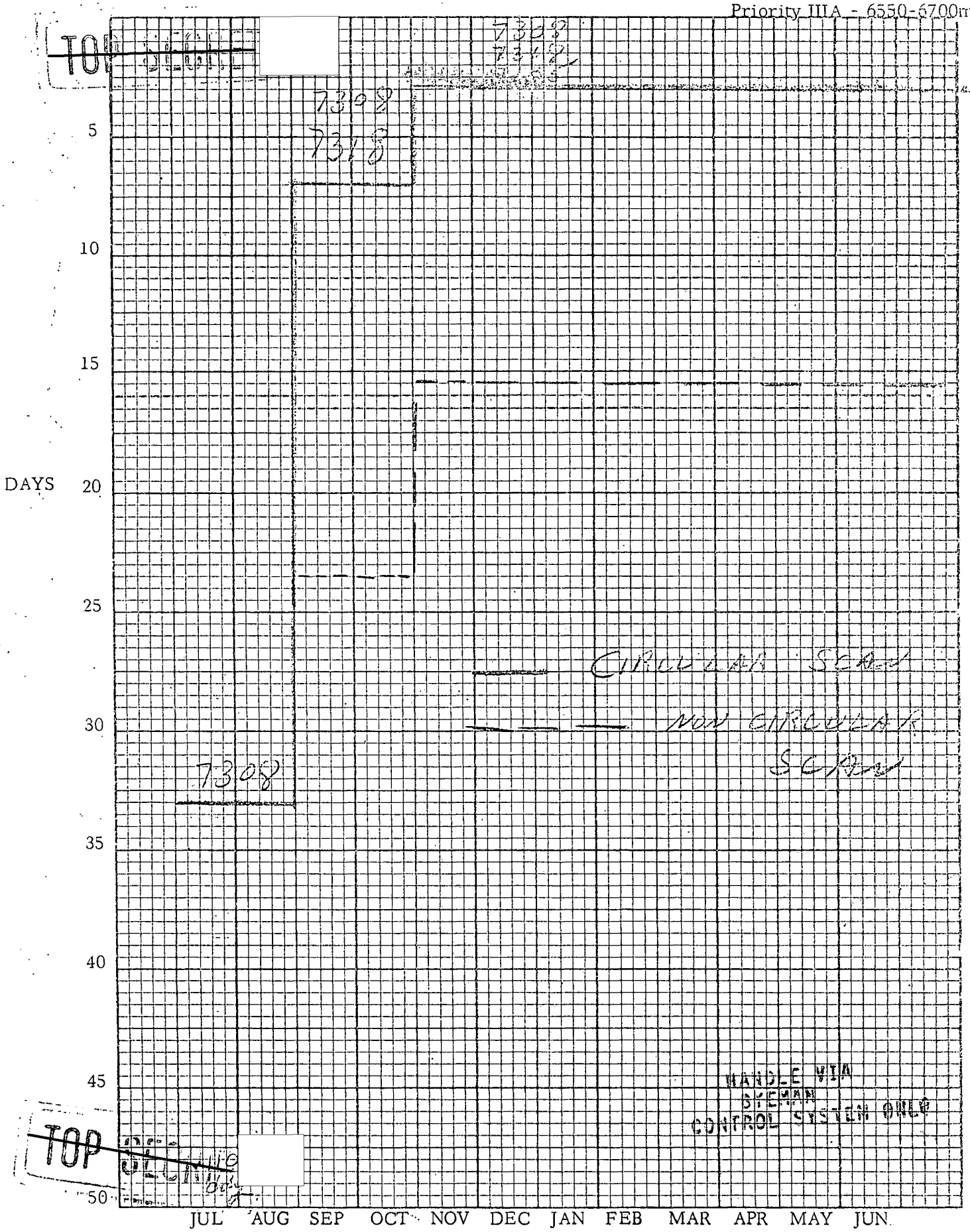
FY-67 - DAYS TO 95% PROBABILITY OF DETECTION

Priority IIIA - 6550-6700mc



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FY 1967 EOB Current Program Effectiveness Summary

	Approx # of radars	Ann-Ave L/ day	Pon	Days to 95%	Cost (prM$)
EW (2000 HMz)	3500	0.18	.255	57	19.4
EW(2000-3300 MHz)	2600	1.10	.255	6	6.2
HF/FC (2666-4900 MHz)	800	1.86	.085	18	4.5
MC (2900-3310 MHz 4900-5300 MHz)	1000	3.50	.001	1070	6.2
				Misc.	5.7
				Total	42.0

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FY 67 Costs

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	EW (<2000 MHz)	EW (2000–[illegible] MHz)	HF/FC	MC	Σ
Multigroup	15.2	0.[illegible]	0.4	0	16.0
Satta I	0	2.4	1.4	1.4	5.2
Satta II	0	2.0	1.2	2.0	5.2
Sauna	0	0.3	0.2	0.1	0.6
Sampan* / Kayak*	1.2 Misc				1.2
Fenian I, III	0	0	0	1.2	1.2
Trip I, II	0	0	0.[illegible]	0-[illegible]	0.6 [illegible]
Poppy*	4.2	1.1	1.1	1.1	12.0
	4.5 Misc				
Misc 5.7	19.4	6.[illegible]	4.[illegible]	6.2	42.0 / [illegible]2.0

~~TOP SECRET~~ [redacted]