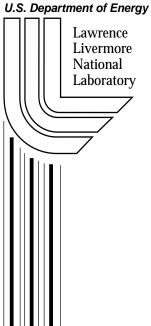
Array Experiments Phase 2 Volume 3

September 2002 (date of release)





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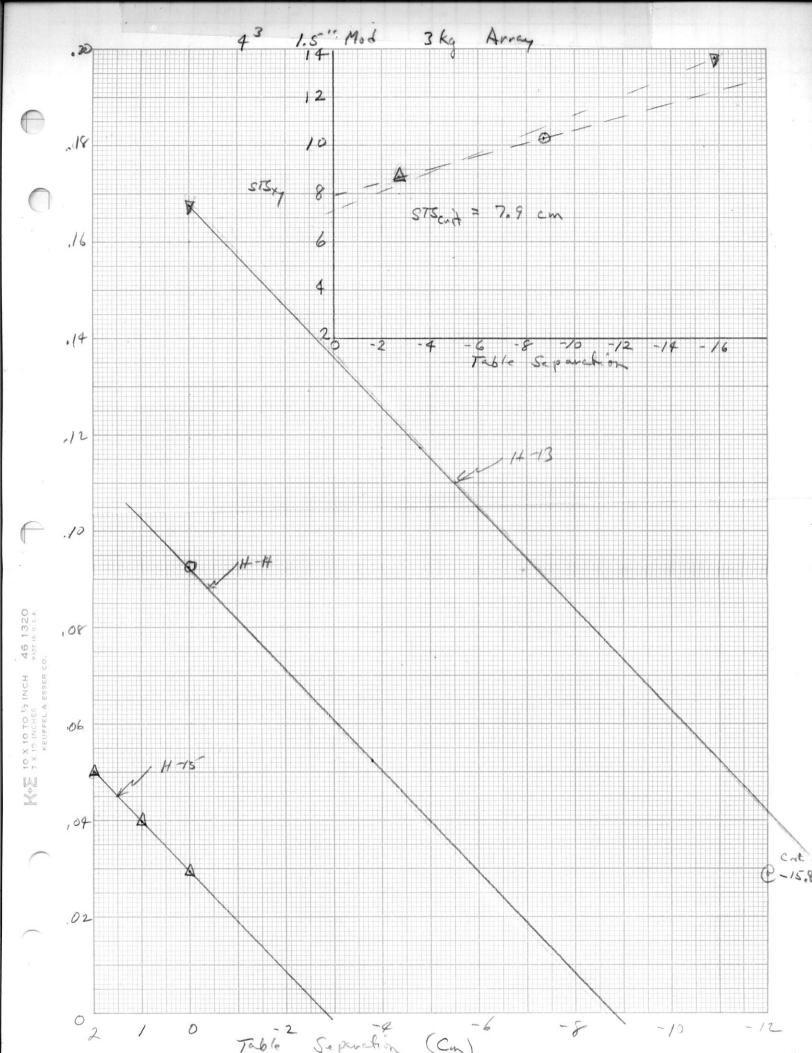
ARRAY
EXPERIMENTS
PHASE II
VOL.3

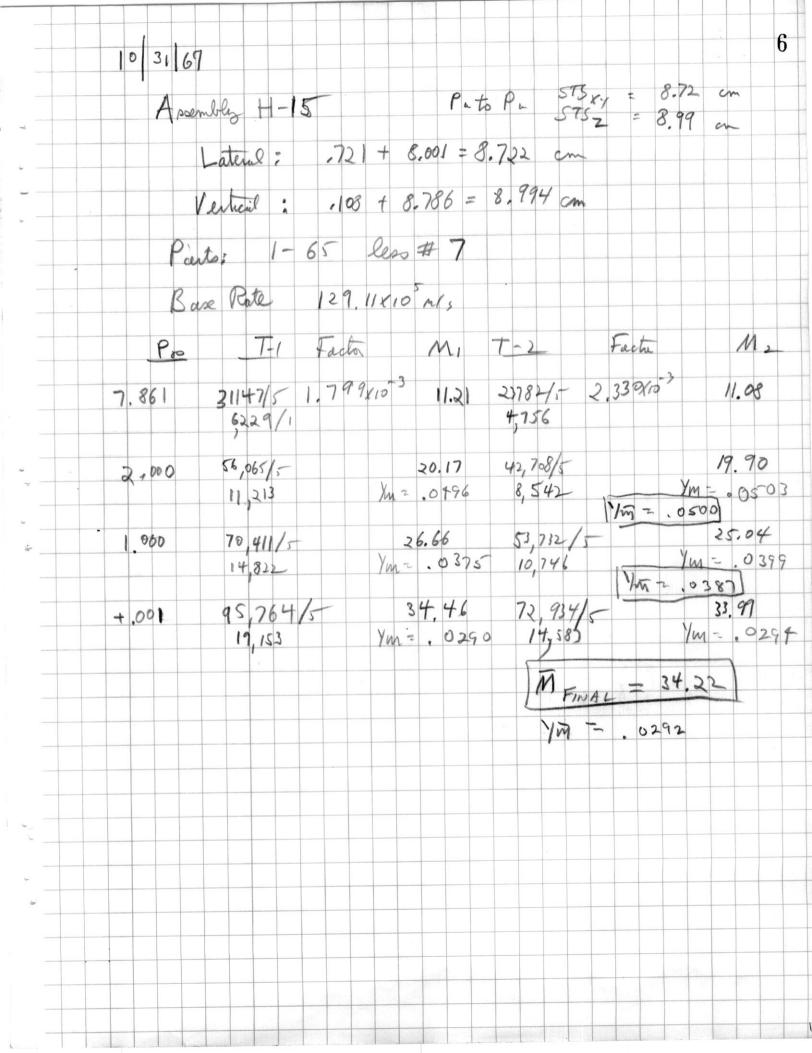
Array Experiments Phase II Col. 3 Page ho Exp. no. notes 43, 3kg, 11/2" mod. Safety Exp. Full array 14-14 11-15 Safety Exp. 43, 3 kg, Bare 14 T-2 Jull array 14 T-3 15 I-4 16 16 I-5 I-6 17 17 I-7 18 I-8 19 I-9 19 I-10 20 I-11 21 23 I-13 I-14 24 26 T-15 28 I-16 Safety /6 sp. 43, 6 kg, Bare; 755 = 7.36 9-1 34 35 36 37

			Phase II		Vol. 3
*	Page No. E	y no.		Notes	
5	79 80	L-8 43, L-9	6 kg, Bare; Zs7.	s = 37.36	Fuel Array
	81 83 85 85	1-10 1-11 m-1 43, 6	kg, Bare, 7 sts	= 12.36	Fuel array
	86 87	m-4			,, 0
	88 94	m-5 m-6			11
6					
*					
»_ >					
•					

	10/25/67
-	Assembly H-12: ST5xy = 8.722cm ST5z = 8.998cm
	Ports: Cols. 1, 2, 3, 4, 5, 6, 7, 48
5	Base Rate: ~ 657.19 x10 37/5 5348 7/6
	Moderation: 1.5"
	BKy: T-1= .9824 × 901.5 = 434.9 T-2=.31/5-x 1557.6 = 485.2
	Pos T-1 T-1' EFF, Parpor 105n/s M T-2 T-2' EFF, Farbor 105n/s M 7.863 23493/10 31.8 1.192×106 379.29 5.82 19557/10 28,5 1.568×106 388.28 5.89
	2344.3 - 434.9 - 485.2
*	0.003 27913/10 389 45-7.73 7.02 22958/10 29.3 460.0 7.06
	274/03 274/3/10 384 45-7.73 7.02 22458/10 29.3 460.0 7.06 274/03 2245.8 -434.9
	2306.4
	10/26/67
	we will now continue with the full array.
	Assembly H-13° Pu to Pu 575xy = 13.650cm 575z = 8.999cm
	Lateral: .721 + 12,929 cm = 13.650 cm
	Vertical: .108 + 8.786 cm = 8.998 cm
•	Parts: 1-65 /ess #7
	Base Rat: 129.11 × 10 1/s
•	Pos I-1 Factor M T-2 Factor M 7.879 19687/5 1.798 x0 5.28 11423/5- 2.330x10 5.32 2937.4 289.6







	11-3-	67			7
			now be	gin the ETT.	Tacks.
Mg.	deterni;	staxy = 4.	437cm ST	3 3 Ke Bare 3 200 cm	array
2	(Som	nuc: M'RC	-7 / 1.	30 X / 3 / 4/5)	
	89,103	source hold	B-Positi	indicator w. 5 study -2 = 4	111 be reading
	BKu	117 131	.73	7-2 = 9	3.92
. •		o (only)			7-3
•	Pos.	# 89	A Rutes:	15-875/10	19779/10
. 1	705.	# /03	2 Pan	16272/10	20069/10
	Ps	# 117	9/2	16 195/10	195-13/10
-	- +	# 131	9/2	16302/10	1895-2/10
		Ang Co (. 10	9,	16/6.1	1982.7 33.05
	Col. 14	3 3 3	5-BKg Foodon	13.21 984/X/0	9.63 1.350×10
	Co1.10	w.'KL			
	Col. 11	in face			
	Pos	131	9/4	16196/10	19659/10
-	, , , , , , , , , , , , , , , , , , ,	112	1/4	15-962/10	19785/10
		/03	Yn e	160/9/10	15861/10
36		189	Ym C	15-835/0	19776/10
		Arg. Col. 10 with Gl. 11 inploor	45 86 - PM	1600.3 26.67	32.95 9.53 1.369 KCP
		The contract of the contract o	& -BKg Effication	12.94 1.005×136	1.369 KCD 6

				8
	11 with		T - 1	7-2
Po	V	90	16491/10	19686/10
1	/03	c/h_	16519/10	19435-/10
6	117	. 4m	16490/10	19480/10
	/3/	42	16565/10	19562/10
	Arg. Col. 11	w. 46 4/2	1651.6	1954.1
	Cal. 10	President States		9.15 1.421 ×106
Cols	1. 15 0.14			
, , ,	\		12436 1/2	20345/0
P	103		17436/10	20259/10
	102		1775-1/10	205-4//10
	/3		175-22/10	20868/10
A	7. Col. 1	5- %	1757.5	2041. 2
		5- 45-BKg EFE FENT	29.29 15.56	34.0 Z 10.60 1.226×106
-			, , , , , , ,	
5				

T-1 Co 1. 14 with 9 Cols. 10, 11, 15 20980/10 17256/10 20929/10 16866/10 17096/10 2095-4/10 20663/10 17208/10 2087,2 Avg. Col. 19 1710.7 34.79 28.51 95-BK 14.78 11.37 1.193×106 . 880x106 -EPR Tucker Cul. 9 for 15367/16 Pos. 2055 8/10 89 15-602/10 20597/10 103 tone 20380/10 10318/10 117 15-245/10 20365/10 131 % 15-38.3 % 25.67 2047.5 Aug. Co/ 9 34.13 95 25.67 8-8Kg 11.91 full array 10.71 1.219x10 1.092×10

Co/, 10		7-(7-2 10
For Fular	89	157919	20067
	,03	15-765-	15851
	1/7	16177	20066
	/3/	16129	19781
Arg, Col	1	9h 1599.5- 95 26.66 95-BKg 12.93 EFR Fredor 1.005×106	1995.1 33.25 9.83 1.322×106
Coli 1/			
Pos	85	16369	19697
	103	16615-	19566
)	//2	/(37/	15568
	/3/	16592	15)30
Ar. Col.	//	9/2 16 +8.7 9/5 27.48 9/6-186 13.75 EFR Factor . 9 95 x115	1964.1 32.74 9.32 1.395×10

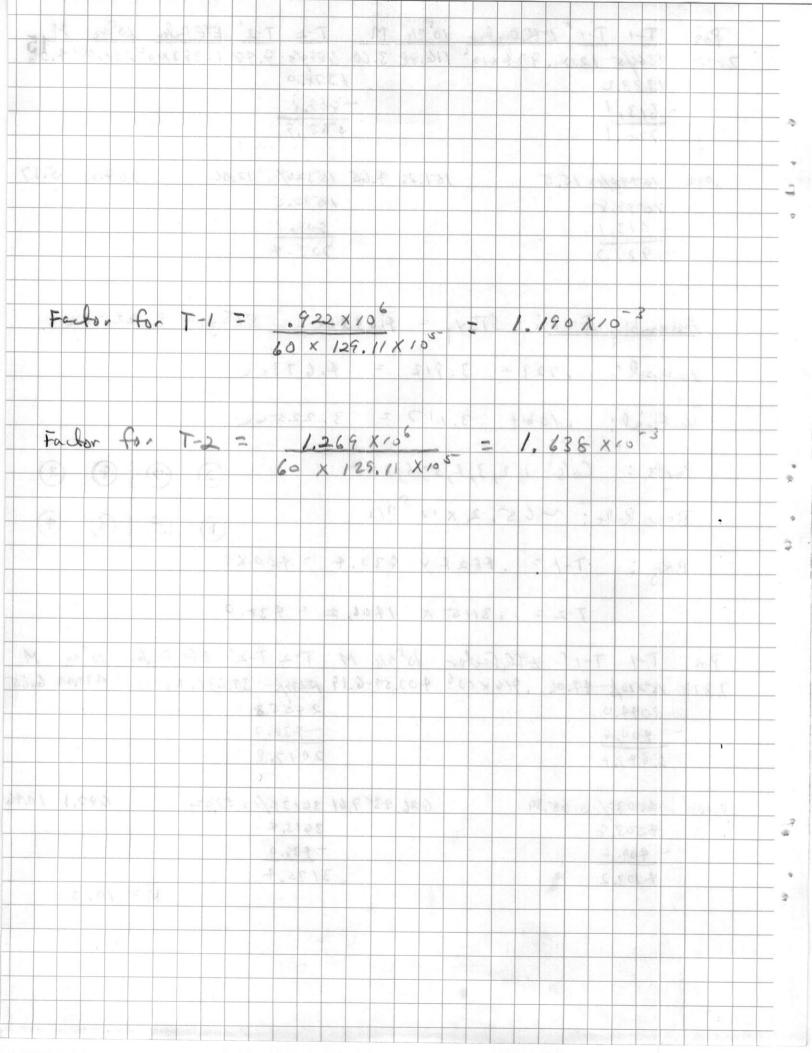
C.	1. 12 el array	7-(7-2
~	Pas 89	17025-/10	19365/10
	/53	17087/10	19375-/10
	117	17088/10	19291/10
	131	17324/10	19549/10
	And col. 12 full anney	8/4 1713.1 8/28.53- 8/- Bkg 19.82 FR Factor . 877 X10 ⁴	1939.s- 32.33 8.91 1.459×106
	13 Marray		
	Pos. 89	16234100	21388
*	(03	16291/10	21181
	117	16410/10	21267
	/3/	16261/10	2,35-4
	Ary, Col. 13 Let array ETR	96 1629.9 95 27.17 8-BK 13.44 Factor .967 x106	2/28.8 357.50 12.08 1.076 X10
-2			
2			

147/67			12
Col. 19	4	T-1	7-2
Pos.	8-9	17080	
		1,060	20677
- , .	/03	17037	20890
	1/7	17239	20809
	131	17113	208-05
Ava	col. 14	45 1711.7 45 28.53	2079.5
C. Cu	array	45 28.53 45-8Kg 14.80	34.66
		45-8Kg 14.80 EFR Fector 878×106	1.157106
Col. 1:	s-		
Pos.	8-5	17566	20698
	\@ 3	17577	20366
	117	17900	20464
	131	17485	20383
Ava	Col. 15	9, 1763.2	2047.8
tull	array	8-BK 15.66	34.13
		178, Falor , 830 x106	1.219 X10
4			
4			

Col. 16		7-1	7-2 13
209	89	18-105-	19969
	103	18313	1989 8
	117	18276	20171
	131	18087	19832
Arg, Coll Full array	45	9m 1819,5 95 30,33 -Ble 16,60 Factor . 783×10	1996.7 33.28 9.86
£ ff.	Factors f		1.3/8×10
		T-1	T-2
	olumns:	.989×106	1.350×10
For 8	columns:	.974×106	1.393×10°
For 16	columns:	. 922 x10°	1.269 x106
We will STS x = 1 Bottom spa	now begin	153 = 3.225c	for the 43, 3kg, Bore, array
Background Cols. or H	w:42 16	T-1	2.564. T-2 60 84378/60 1406.2

		Ass	em	.61]	- 6	1			57	Sxy	1	25	8.	63.	3 c s				51	5,	2		3.2	25	C 1	1	4
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-		Va	h	رم	X .			10		+		3.	DI	7	C	h				3	. 4	23	Ch						
		Pa	rt.				ols		5	4	6																		
		Ra	se	Ra	Re	0		~	1	6.	25	ene .	X /	٥	7	15								(5)		6)		
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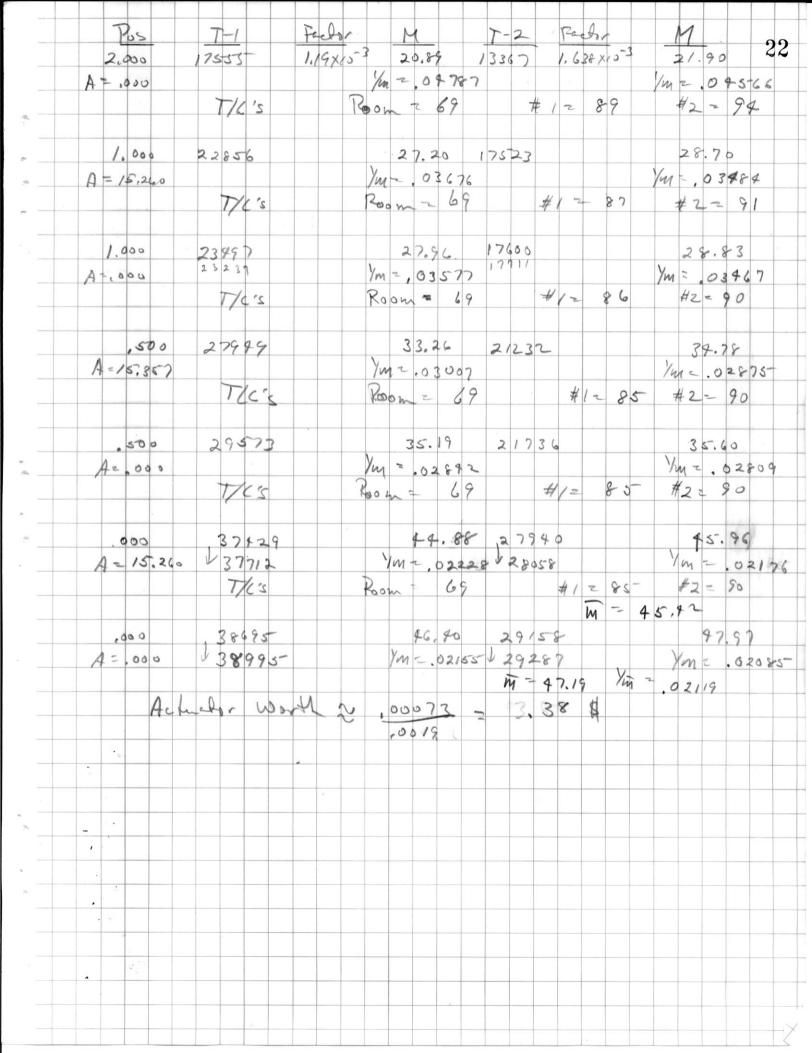
	Pos. T-1 Factor 1. 190 x 10 -3 . 10 . 10 -3 .	7 7-2 5.5-3 17668 35-3	15- 1.638×10-3	M 579 17 7m1767 # 2 = 85-
-	Assembly I-6: Proto		xy = 8,082cs	S/53 = 3.225
	Lateral: . 721 +	7.36/ =	3.225ch	
	Parks: 1-45 Base Rate: 129. (1)		T-2 Perfo.	
* * * * * * * * * * * * * * * * * * * *	4984.2	- 49	7-2 Prefo. 1905 7/5- 1.638 3810.8	5×0°5 6.24
*	002 33872/5		26005/5- 5201.0 M-8.31	
	11-13-67	~= 69	#1294	#2-9
	Assembly I-7: Pa	to Pu s	75xy = 7.276ch	573 = 3.225
*	Lateral: . 721 + 7.2	76 = 7.	27604	
5	Verlica : . 108 + 3.1	17 = 3. less # 7	225 cm	
	Base Rate: 128.11	105 1/5		

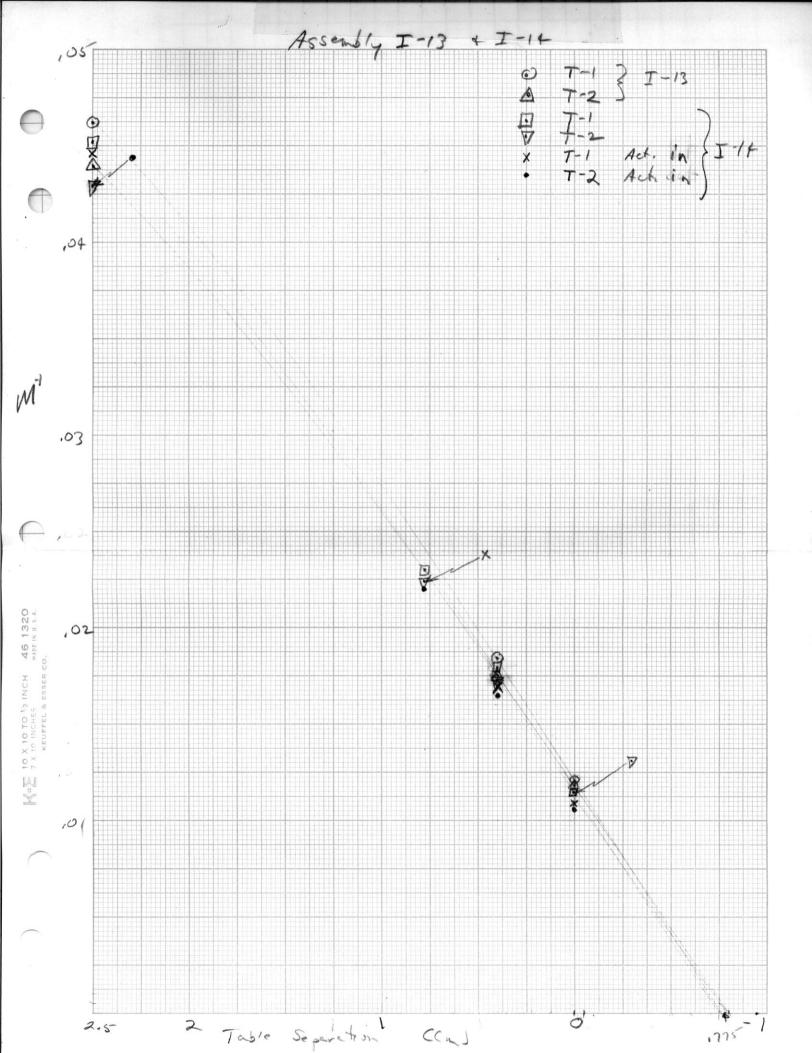
Pos. 7.873	T-1 Fall 2932//5 1.19 5869.2 T/c's	1x10 3 6.98 Rom 269	#1-92	M 7.42 18
,002	50407/s- 10081. Tress	12.00 Ym = .0833 Room - 89	38/85/5 7637.0 #1= 90 M=12.26 1/ii	12.5/ Ym = .0799 #2 = 90 1 = .08157
11-14-				
	8; 1-8; Pu	to Pa S75x	6.715 cm	ST3 = 3. 225 cm
vertic	. 108 +		3. 225 cm	
	: 1-65			
	Rate: 129.11		T-2 Factor	_ M
2.869	7-1 Fed 35777/5- 1.19 7155.4 T/(5)	Room = 69,5	7389/s- 1.638x10	72 = 91
,200	3/023/2		3790/2	19.48
	15571.5 77c's	Room = 70.	#1:87	#2= 90
.,00	325 80/2 16290	19.39 Ym 7.0516 Bon = 70	297/9/2 12359.5 - #/= 87	20.29 $1/m = .0999$ $1/2 = 90$ $1/2 = 0.050$
			M = 19.82 /in	7 .0505
3				

	Assen	bly I	9 .	Pu	Po 15		573xy 2	6,7	64 cm	5753	= 3.2	25- 19
	Late	el.	721	4 .	5.56?		=	۵, ۲	(4 cm			
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	Later	ral:	. 7.	21+	5.	5-63	=	6,3	28-4	ch		
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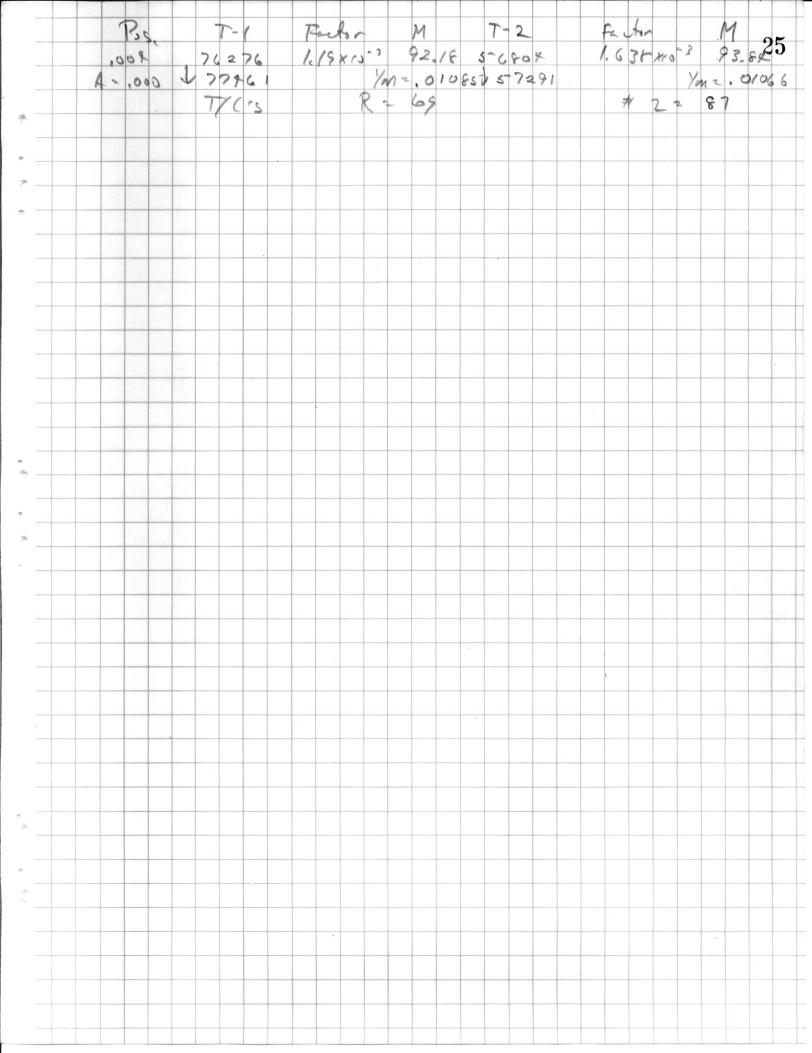
		*			*				C. #4 38	
A = 15.343	2.000	Pos. 7,864 A=15,393	50	Smaller	Actual	A = ,000	-,007 A=15.350	. 499 A=,000	499 4-15,252	Pos. 1,000 A-,000
T/c 's	17280	T-1 5 17193/2 8596.5	1		hr worth	49698	138181 V38473 T/C'S	39582 T/L'S	28717 1/C's	7-1 26815- TCS
Room		1. 19×10-3	tesembly	.5 X 2		[2]	Į.	Po	Po	Factor 1.19x10
Ym= .0	20.5	M 10.23		x2id	100	5-9.1A Vm=.0169 Zoon-6:	45.78 Ym= 021 Room= 68	41.15 Ym=,024 on=69	34.17 Ym=.029	31.91 Ym = 0313 on = 69
4864					493 =	1 2373	2862	25955	21472	7-2
2 90	089	2 157/2 575.5	, / A	elen.	2.5	65-	95	#12	#1-2	- /.
THE STATE OF THE S		1,638X1	ontrol	ten Si	9 18		87	- 87	87	635 X10-3
122 95	21.94 Vm = 104664		element	TS = 3. 2252h		46.43 61.20 1/m=,01639 #2=89	47.08 Vm=.02/24 #2=85	42.51 Ym02352 #2=85	35.17 1m-,02893 #2-89	M 3.3.30 21 M=.03003 #2-89

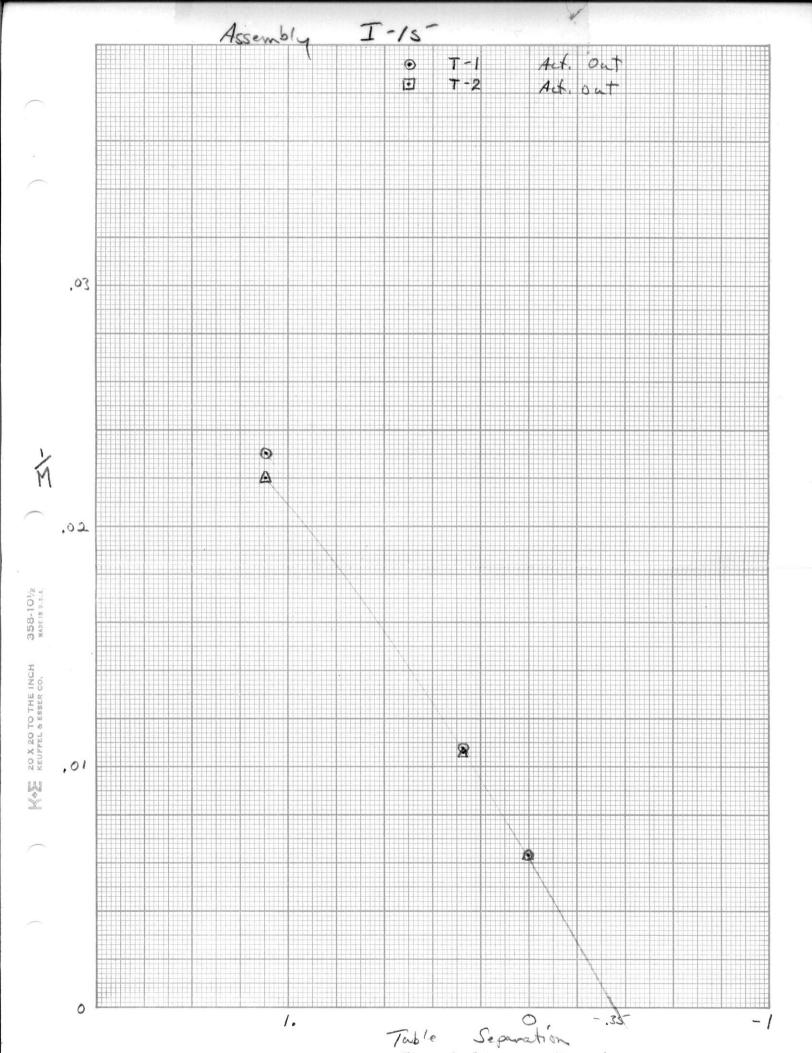


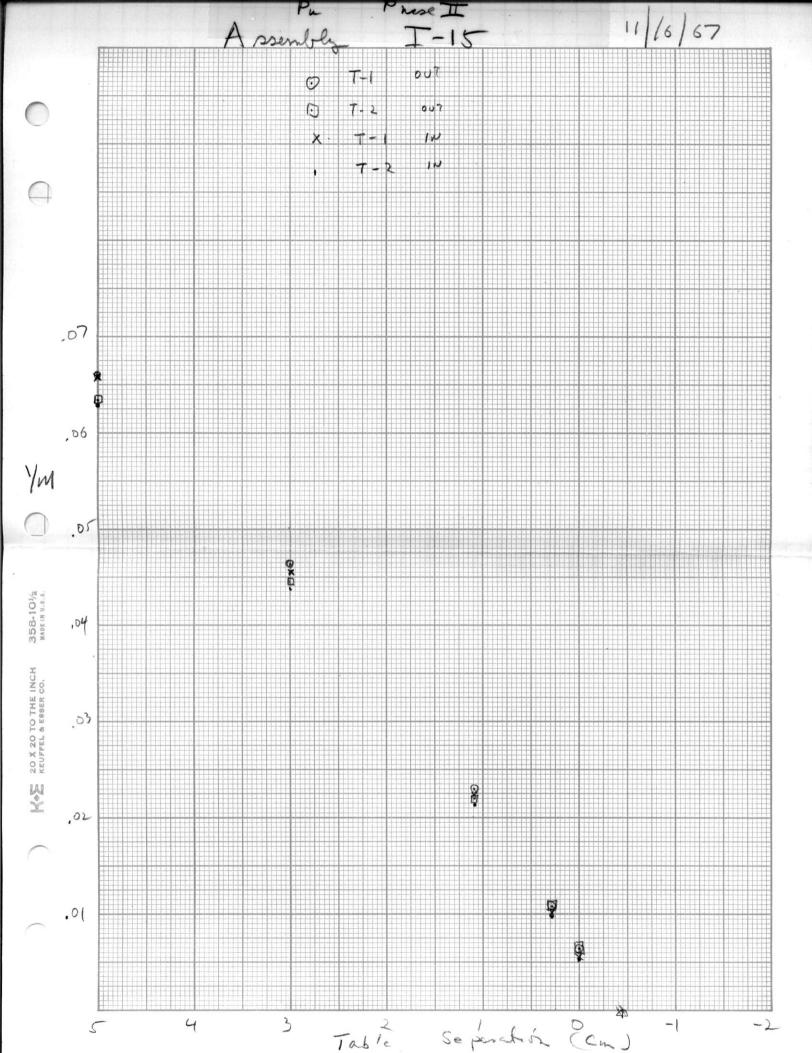


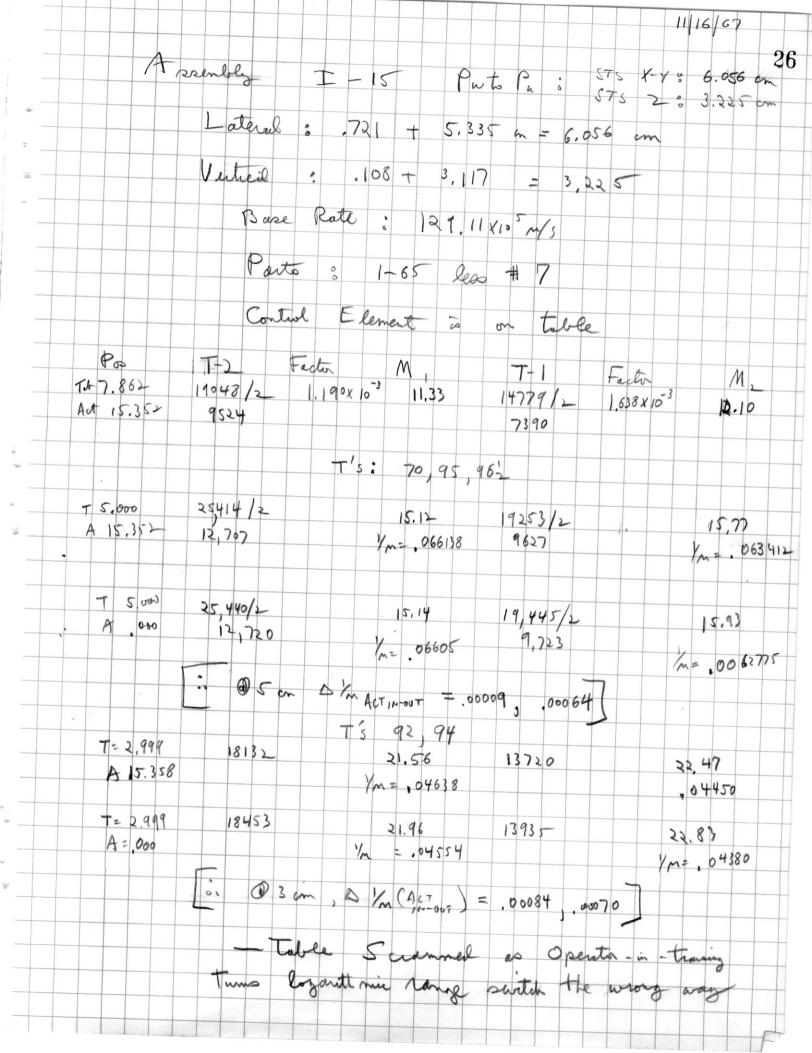
11-16-	67				23
Asse	mbly I-1	3: Pa 60 T	P. STSX.	1 = 6.132 cm	5753 = 3. 2252
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2,500	36364/2	У	21.64 =	27290/2	22.76 $y_{m} = .09394$
*	TCCS	100 m = 6	, 9	#1= 87	#2 = 96
.400	145508		59.65 Ym = ,01830	34578	56.89 Vm = .01758 #2 = 93
	1765			#1= 86	
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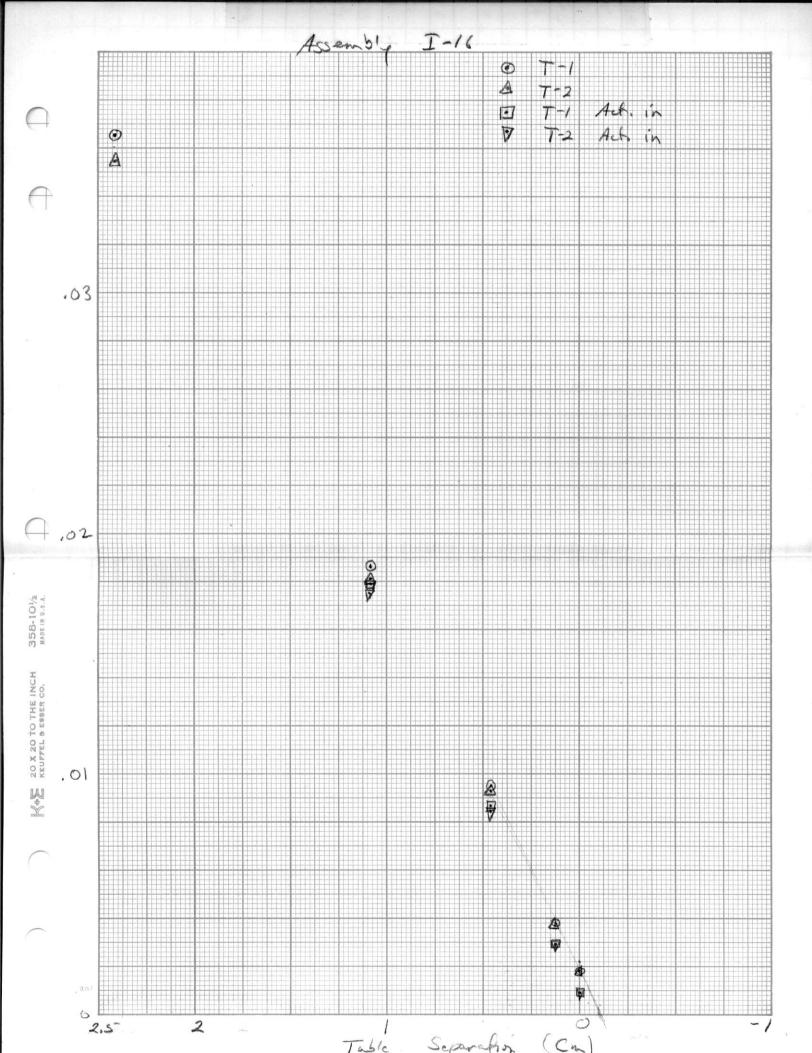




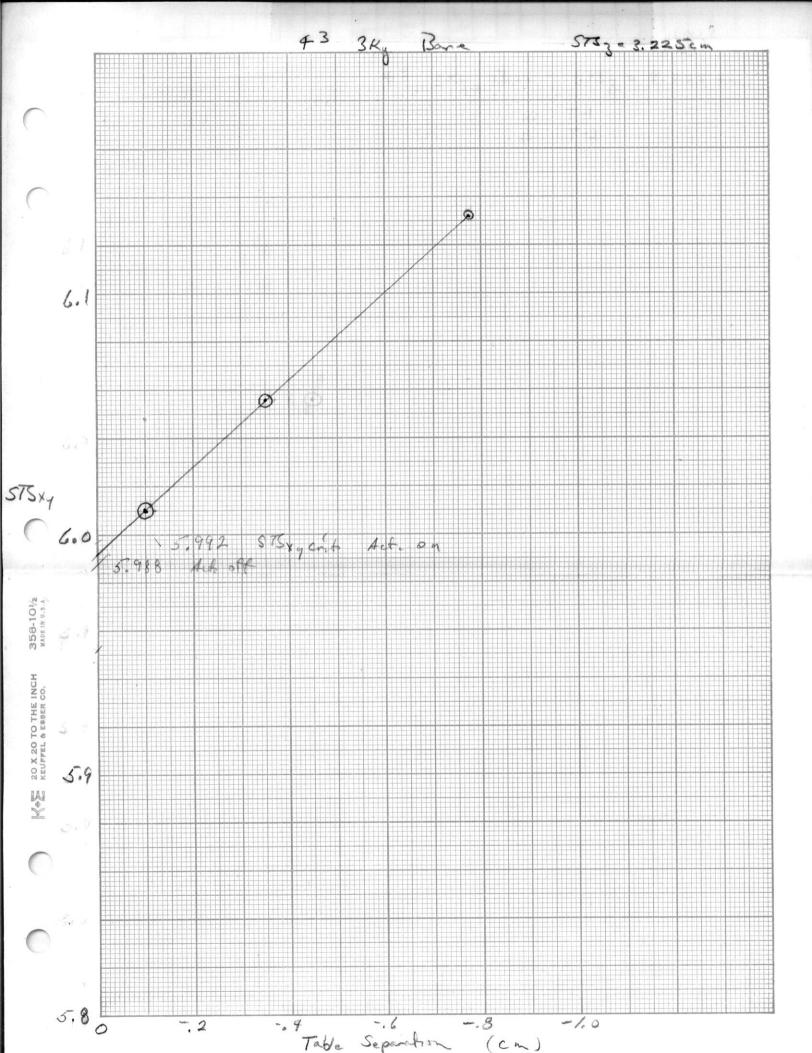


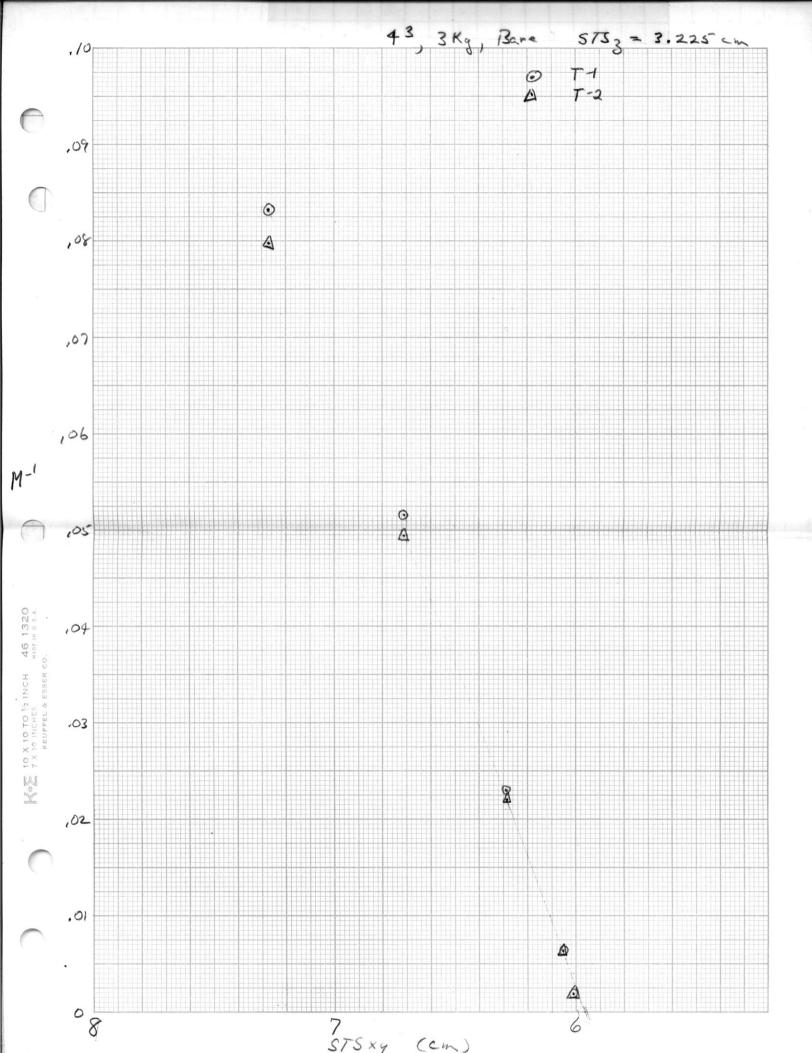


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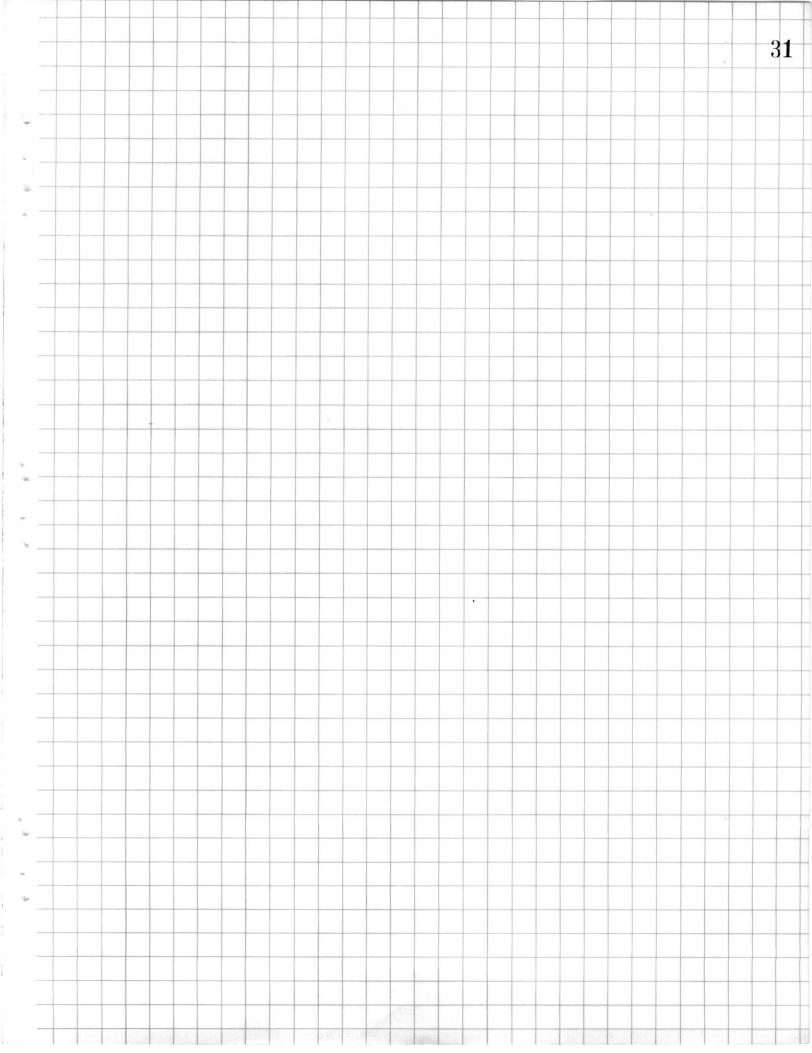
11-17-6						28
Assembly	I-16: Put	o tu	STIX	2 6.010	Cm .	S753 = 3. 225 cm
Laterel	2 = .721	+ 5.	289 cm	2 6.0	10 cm	
· Vertice	0 = ./08 +	3.1	17 cm	3. 2	25 cm	
· Parts	. 1-65	Jess	7 7			
Base Ri	te: 129.11	XISTA	15			
Contr	of element	onthe	tab	1-e		
Pos	T-1 Factor		М	T-2	Factor	n
	T-1 Factor 9727/2 1.19x1	2-3	M 11.79		1.638×15	12.37
A=15.366	77C3	R - 20		7552.0	93	#2 = 92
2. 440	22570		27.33	172,90		28.24
A 2 15.366	2-1/5	Yn	n=.036:	59		Ym= 035-71
	Trais To	2 - 120		#12	92	#2=90
1.084	49709		53.68	133500		55.15
A = 15.366	45110	Vm =.	01863	33668		Ym = .01813
	T/c's	2 = 70		#/=	91	42 = 91 1m = 101838
1,084	96309		55.63	13442		57.04
A 2 .000	76°S	/m =	.01798	34623		Ym = .01703 #2 2 9/
	Mass	R= 76		#12	91	#2 2 9/
. 464	36%8		105.25	64574		106.81
A=15-361 W	88947 T/C3	/m =	.00950	64579 465-207 #/=		1m = .00936 42 = 91
	2)/1	R= 7	20	#/=	91	#2 = 9/ Vin00943
.969	95/33		1/5,01	70826		117.26
A2,000 V	95/33 96916 T/C'S	Ym =	. 60869	171587		1m=.00853 HZ=91
	776'5	R =	70	#12	91	42291
.125	211473	V	262.77	157791		2 (1, 7 9
A- 15,366 V	220813	Ym 2		# 161621	91	Yun = .00378
	T/c's		70	II V	<i>(</i>	#2=91 1m= 100380



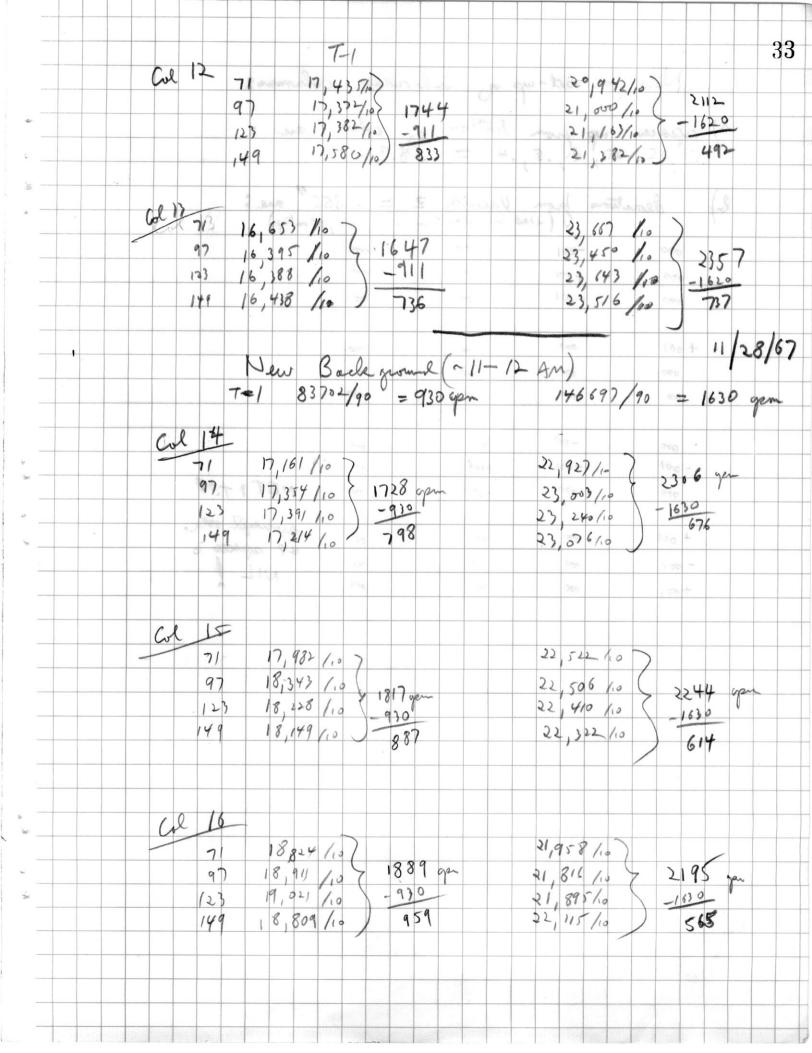


	Pos.	T-1	Packer	M	T-2	Fador	M
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	.000	1423676		550,83	32 F23R		558,22
	1 = 15,366	4 462881)	m 0018	2 4390790		Ym = .00179
		T/c·s	R-	70	#12	91	#2791
							/m 2,0018
	,000	1915938		1089.97	160972		1098.31
	A 2,000			n= .000 42	467113	b	/m2.00091
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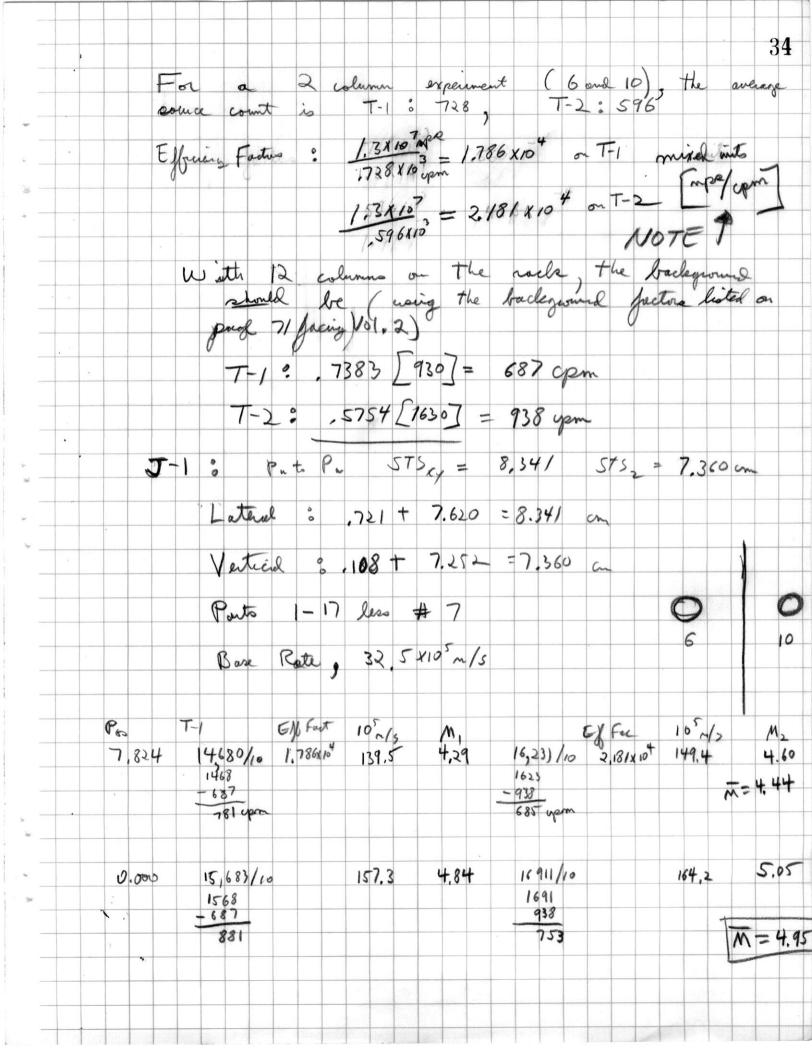
the max x position 30 it we will take (2.440) Ach, out 7.5 17699 2.440 22529 17220 17506 21762 21991 17196 17300 17081 21765 1205-3 2/5/2 We shut down and took more county with control room on a off. These counts no difference with control room on or off. We then turned the voltage to the BF3 takes off and a 30 min, and then turned it on. This gave a Sto 10 % increse in the courts for about 20 min We did the same thing over night and got the same results. " we will have the voltage on the to show we shouldn't. To be on the safe side welopes will take our monning and night counts with

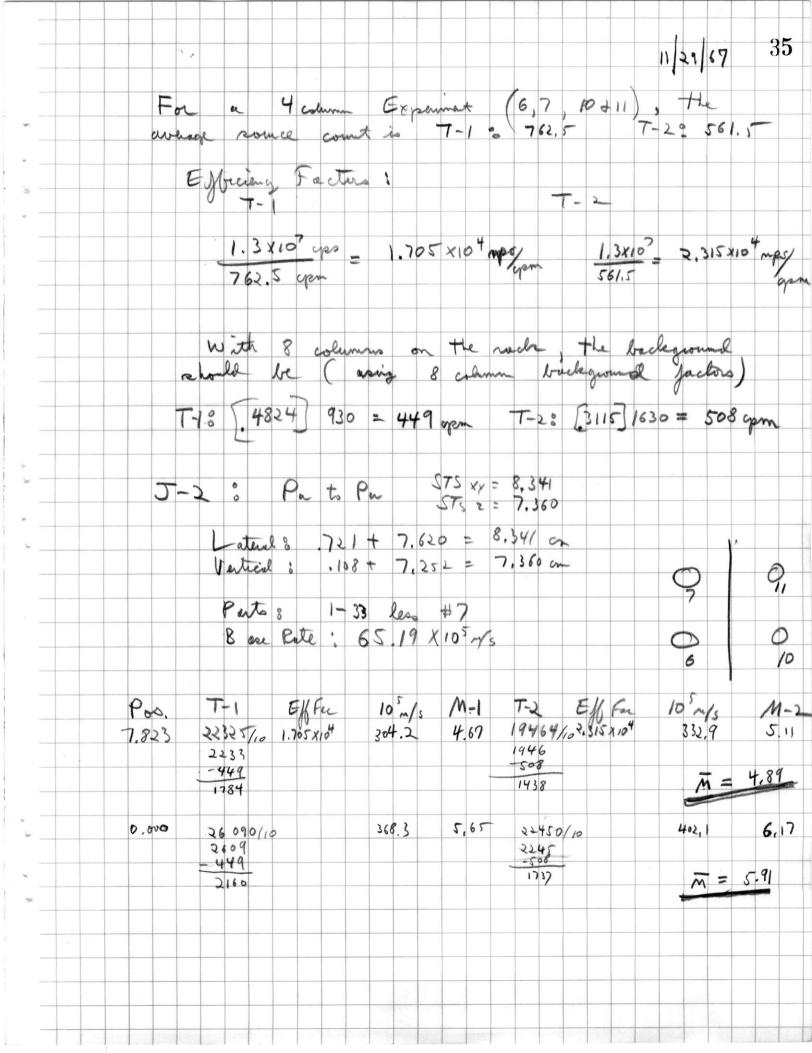


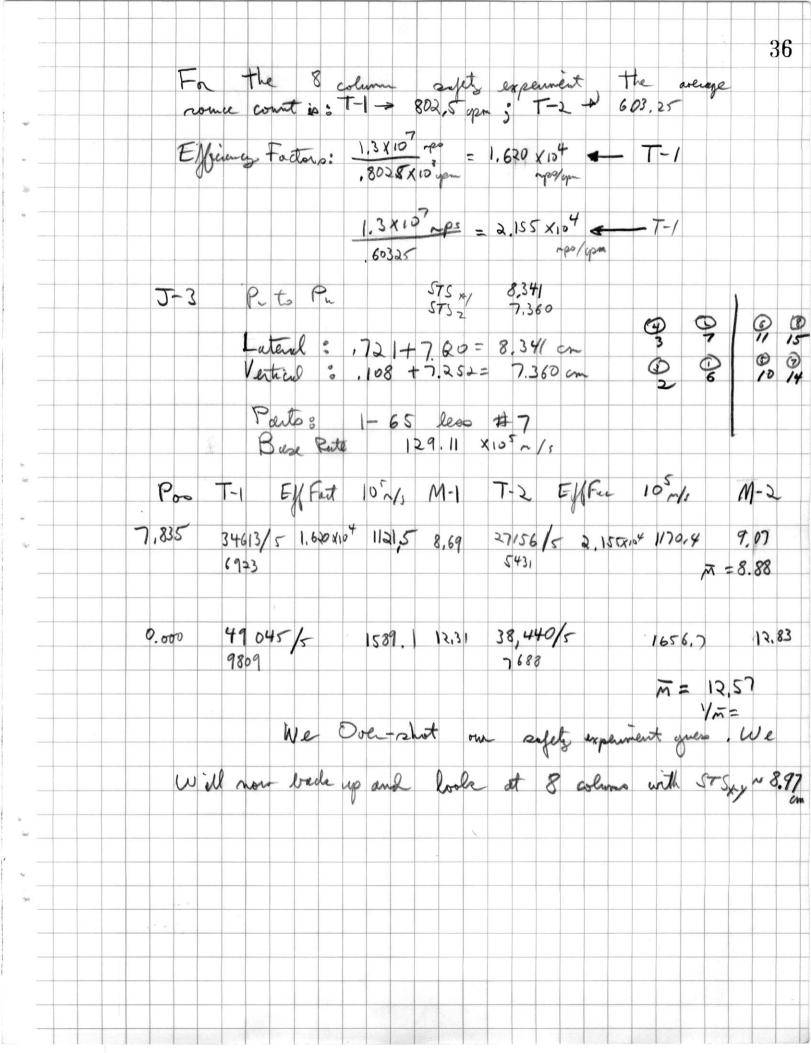


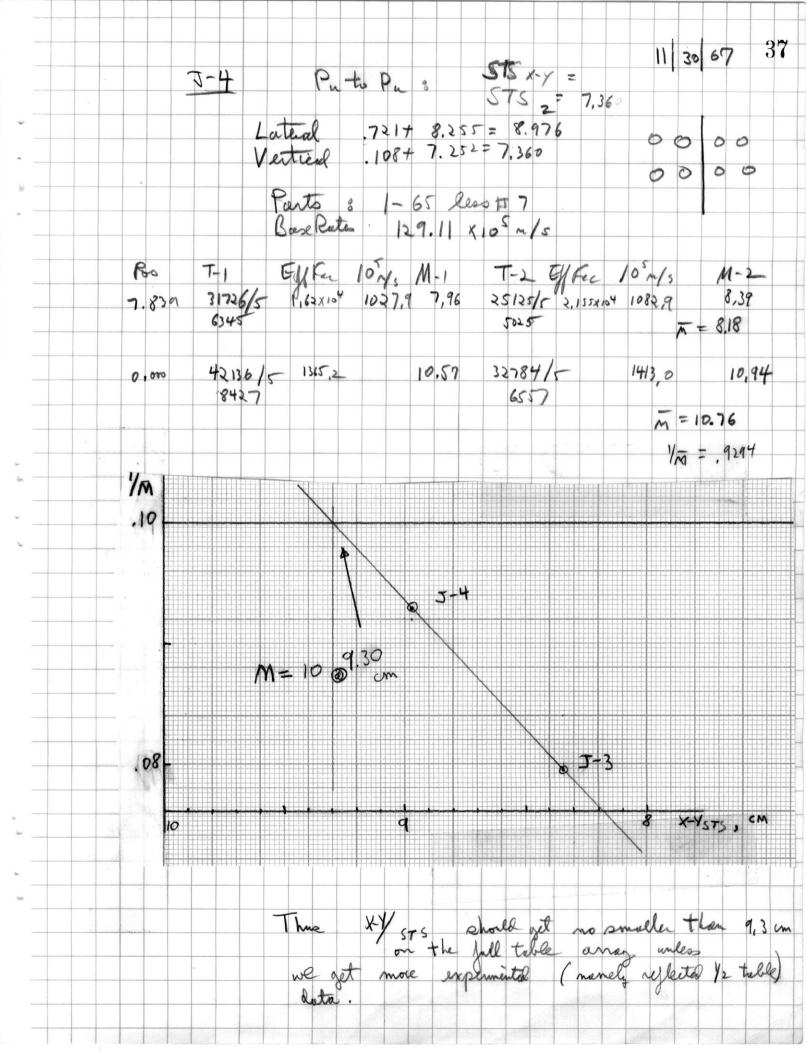


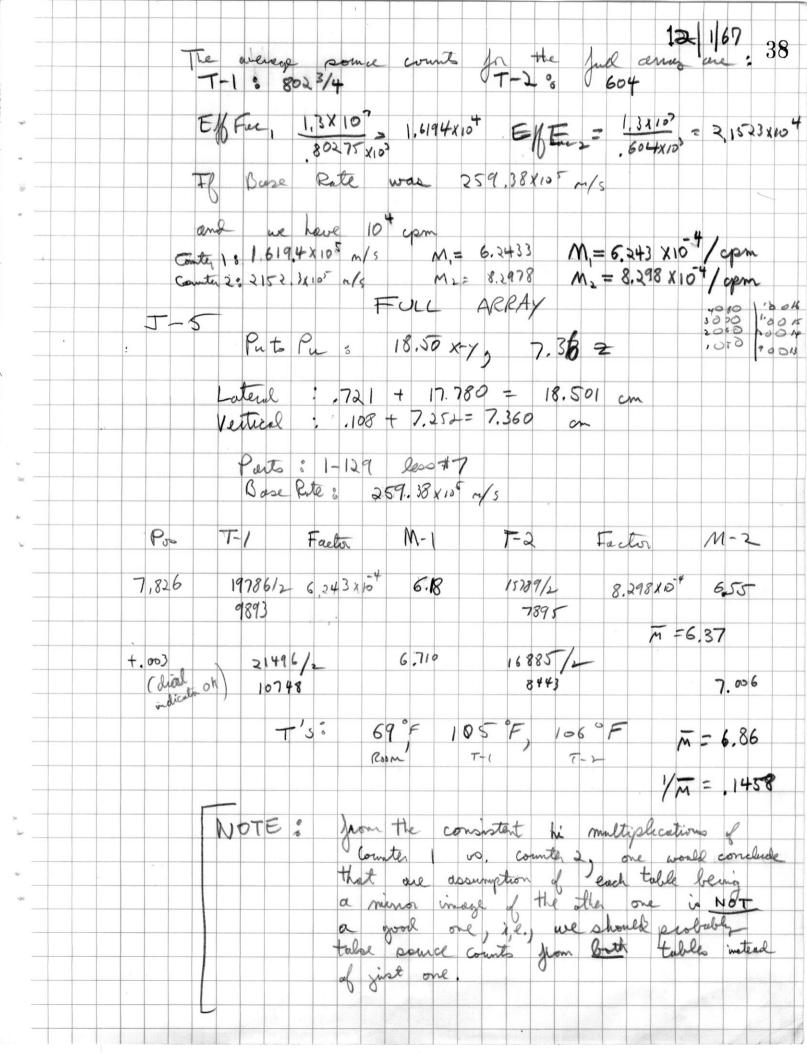
	a) experience up from bottom of column are 1 25 25 25 26 29 5 4 = 50.7 cm 1 25 25 25 20 20 5 4 = 50.7 cm 2 300			*								,		- 9	1.	9	2	,										*	3		9		7		-								
a) appearent up from bothern of columns are 1 1	Note on set-up of individual columns. a) appearance up from bottom of column are 1 25 57, 4 = 58.7 cm b) deviation from Uniable Z = 2.855 are; (1 tool and play 6 cm. 1 cm. 10", poor top) 1000 -001 +001 000 000 1000 000 000 000 1000 000		+		>				1	-			44												-							-			1.7								
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a) appears up from trottom of column are 25 25, 81, 5, 4 = 58.9 cm (21 test aims play 6 cm, 1 cm, 21", poolity) 000 -001 000 000 000 -001 000 000 000 000 00	Note on set up of individual columns a) species up from bothomy columns are 25 57, 81, 5, 4 = 58.9 cm b) devictions prom Udicible 2 = 2.855" are (2 test and play 6 in, 1 cm, 10 m, 100 only 600 + 001 000 000 600 + 001 000 600 000	3		20	91		ġ		1	4	1+				T	ela P	0		14										- 9														
a) exolution up from 1-other if column are 1	Note on set-up of individual column are a) species up from bottom column are 2 2 3 5 1 4 = 58.9 cm deviations from Usuable 2 = 2.855" c (2 test can plue 6 cm, 1 cm, 01", 00 cm ty 000	S 455		(1	-		4.		-			E				N			81		-	1				+	1			7			8	3		9		8		
a) expected up from Anothorn of Columns of 25 25, 4 = 58.7 cm devictions from Unitable 2 = 2.855" (1 head surface plane 6 cm, 1 cm, 11", pool of 10	Note on set-up of individual column of the set up from the thorn of column of the set of		See Die	itug	71	10	80			10				18/	M	L	av					1810		1	23.19				-	16				3000									
a) expected up from hothor of column. 25 25, 24 = 58.9 cm deviations from Udicable 2 = 2.855 (21200 and play 6 cm, 1 cm, 2011) 000 -001 000 000 1000 000 000 1000 000 000 1000 000	Note on set-up of individual column a) appears up from tother of column 2, 5, 1, 4 = 58.9 cm b) deviation from Variable 2 = 2.85. (2 test amorphis 6 cm, 1 cm, 31", 6 000 000 100	100000		06 cm	\						83				1	v ii	14	•			44	(A)	84		81 3				248	40.				1573	2:45		74	24		24			7.4
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a) specers up from bottom of 25, 25, 27, 25, 27, 20, 5, 44 = 58. b) devictions from Udicible 2 coo -ool coo coo coo coo coo coo coo coo coo	Dote on set-up of individent and plant of the set of th	11/11/11		1 cm		-				PK)	×				11	-						25.15.	6 To						-		1	-											
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a) percus 2 , 2 5 devi 4 001 000 000 - 001 - 001 - 001 + 001	Dole a) spechen b) devi coo coo coo coo coo coo coo c			alu	15	3	4				16					9															1		1										
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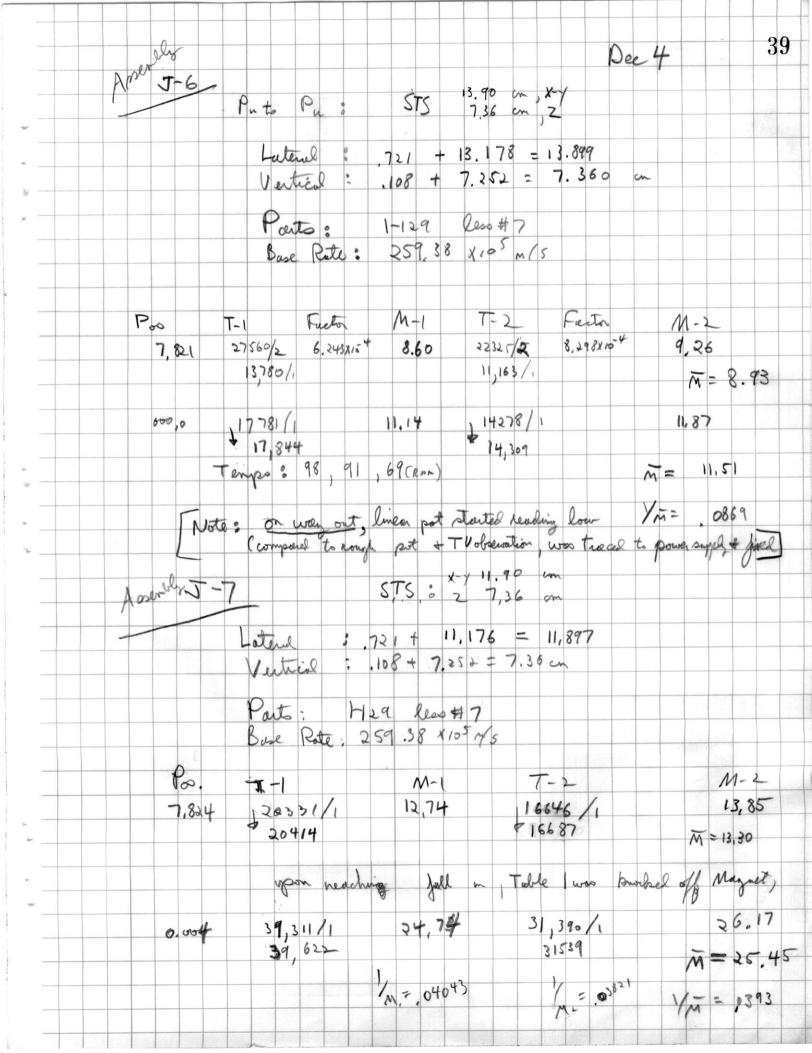


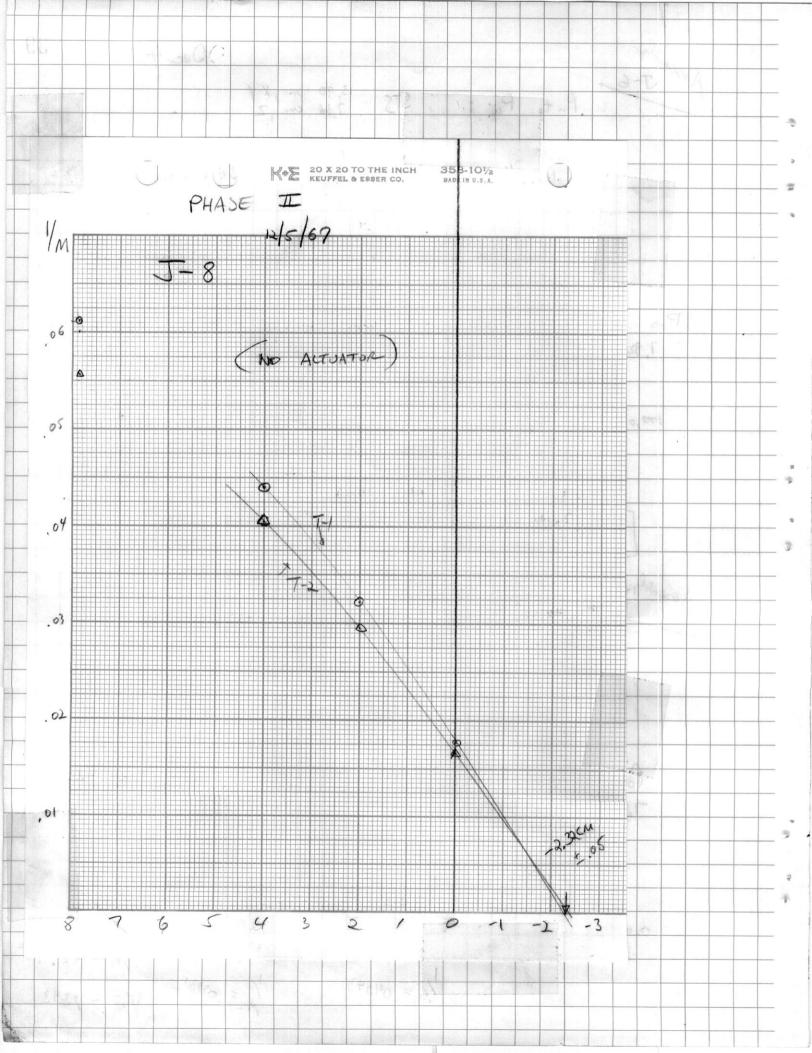


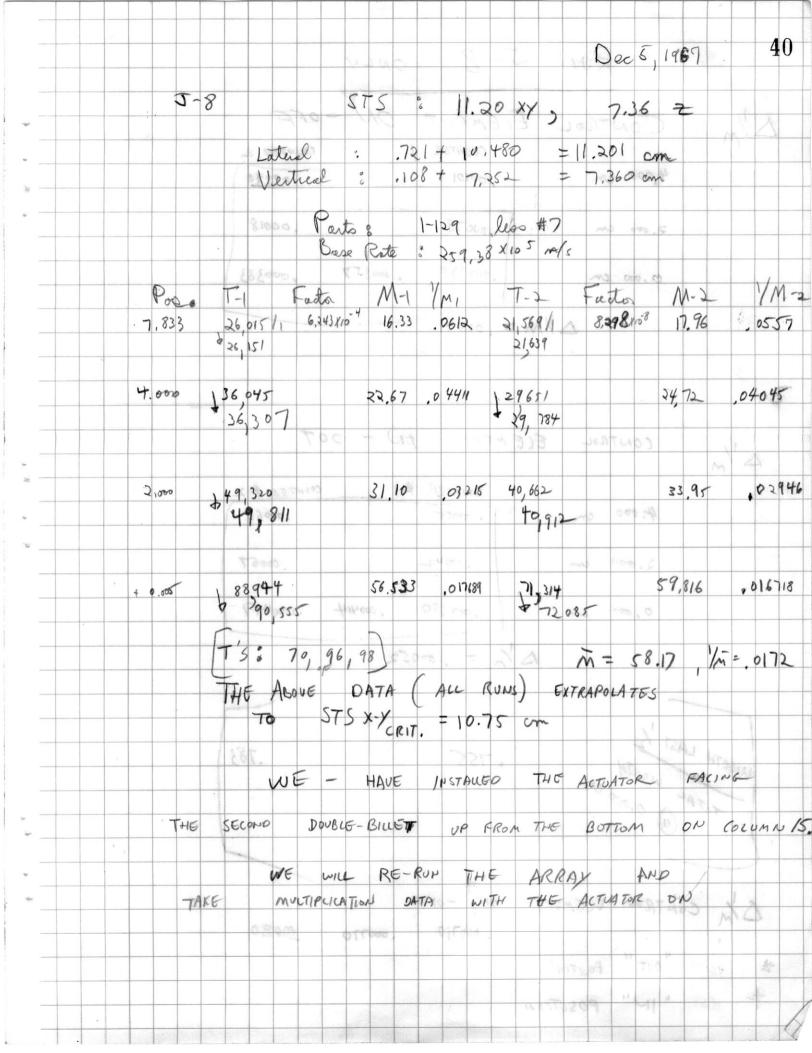


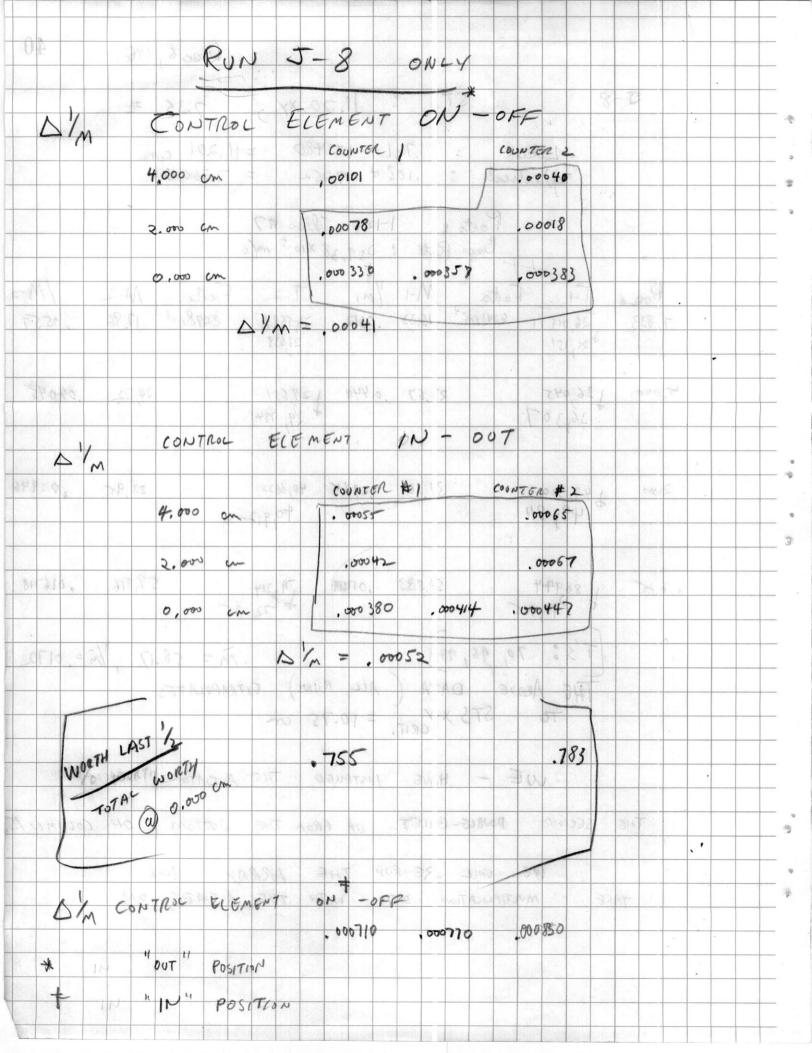


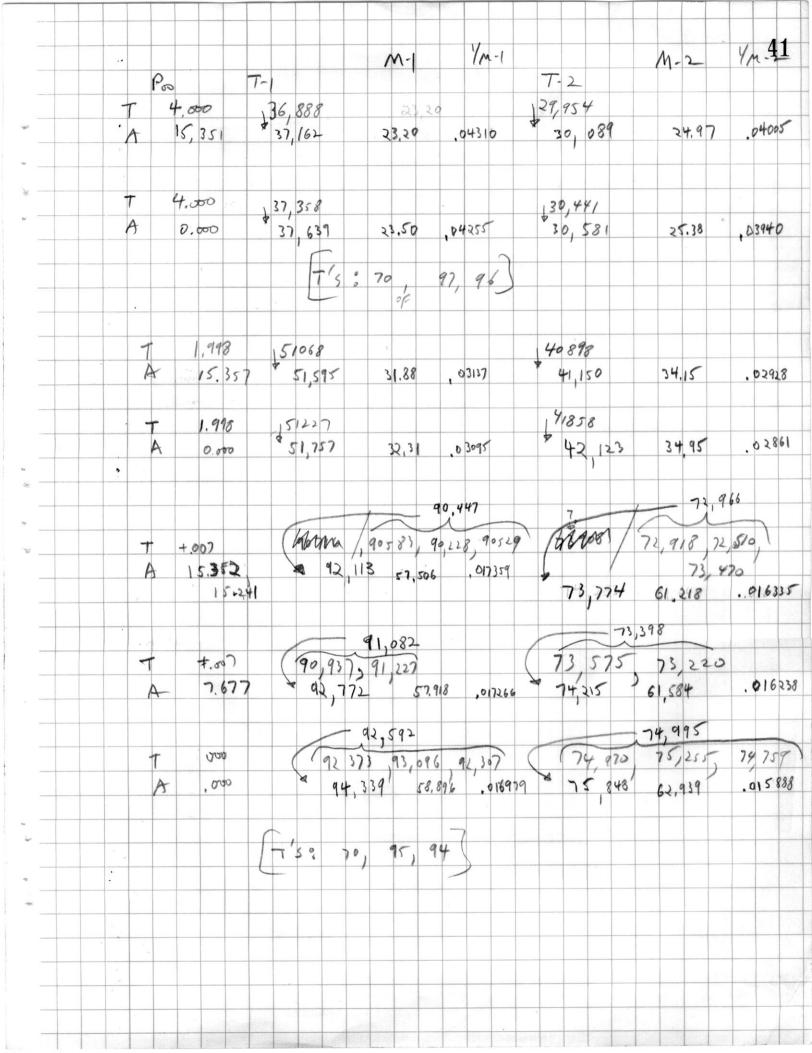


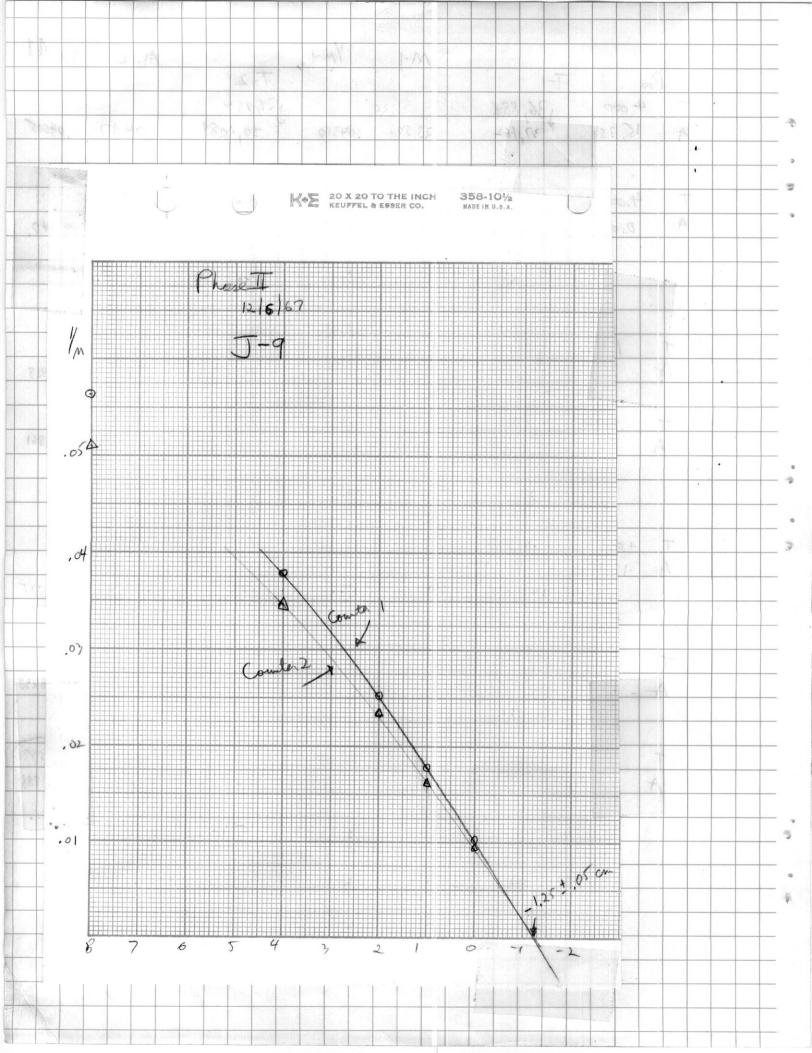








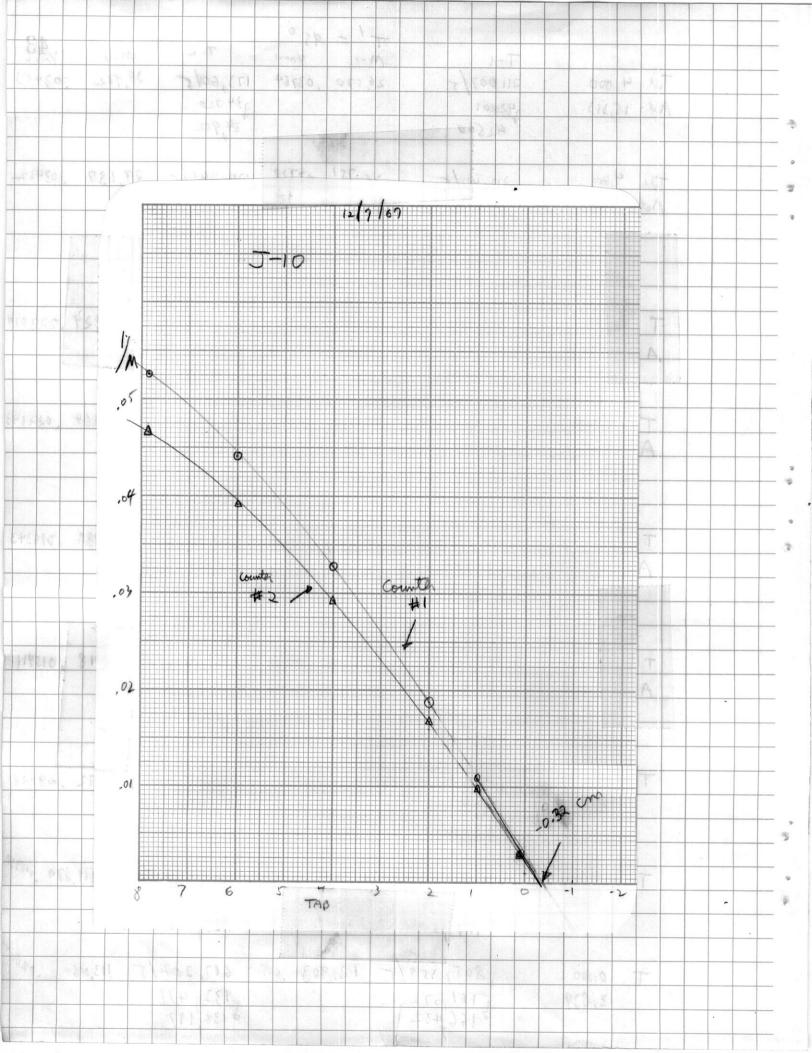


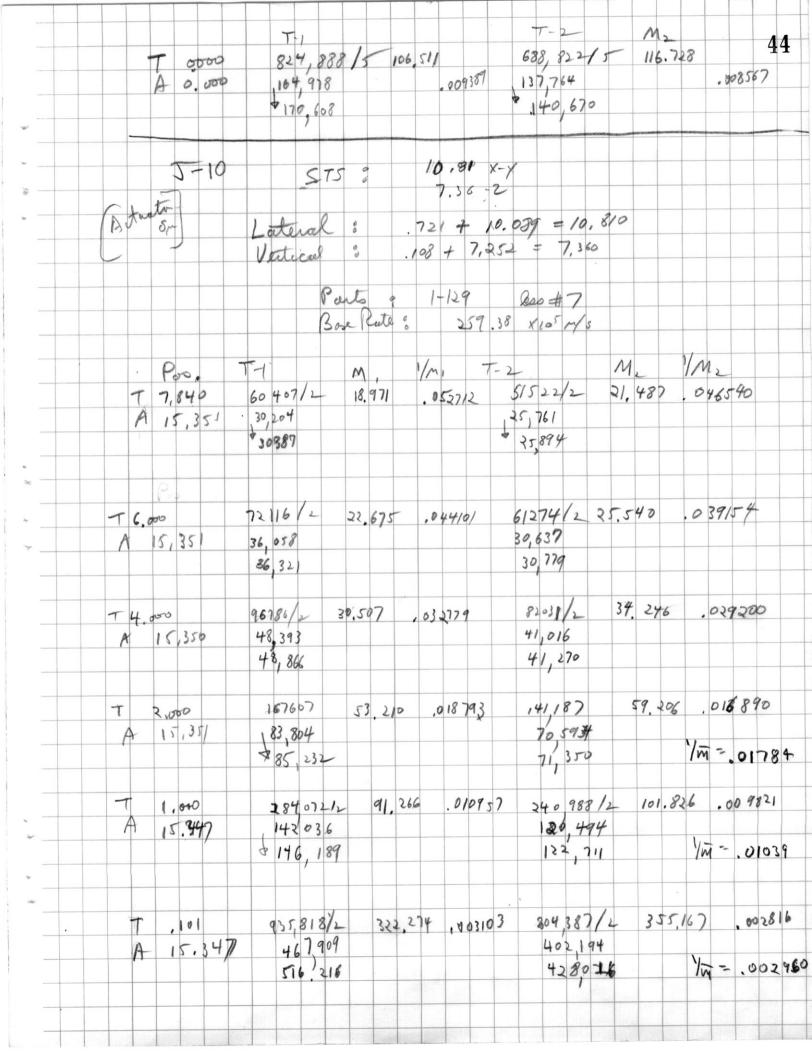


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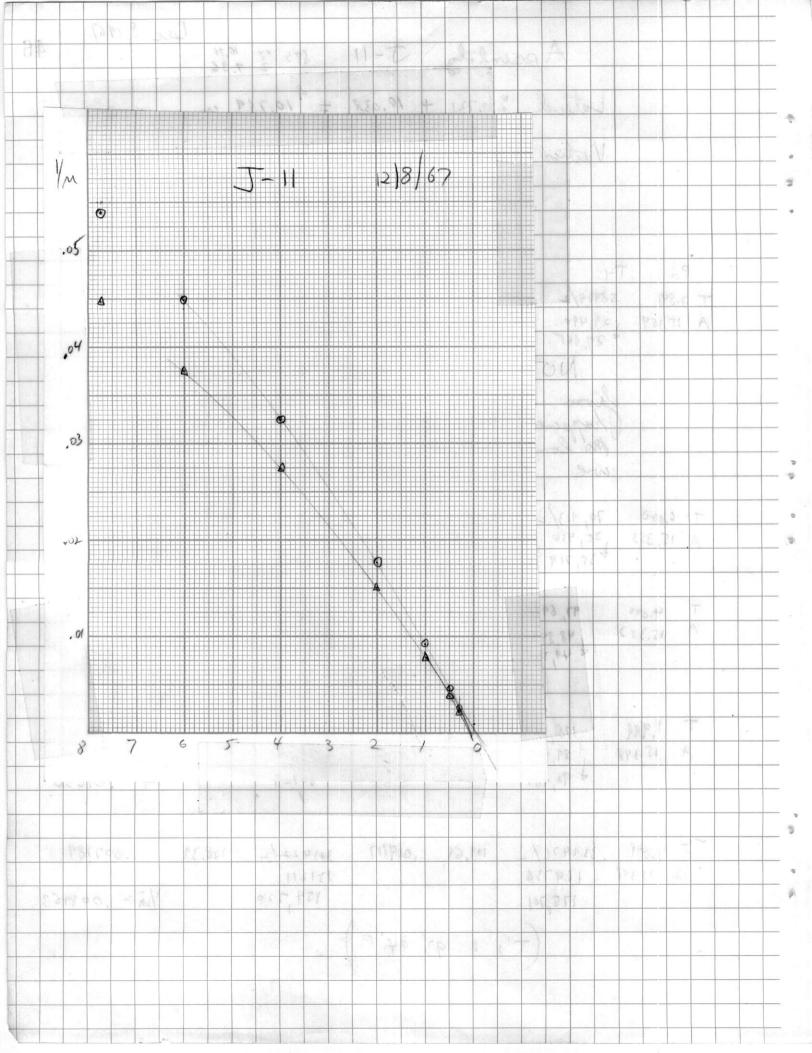
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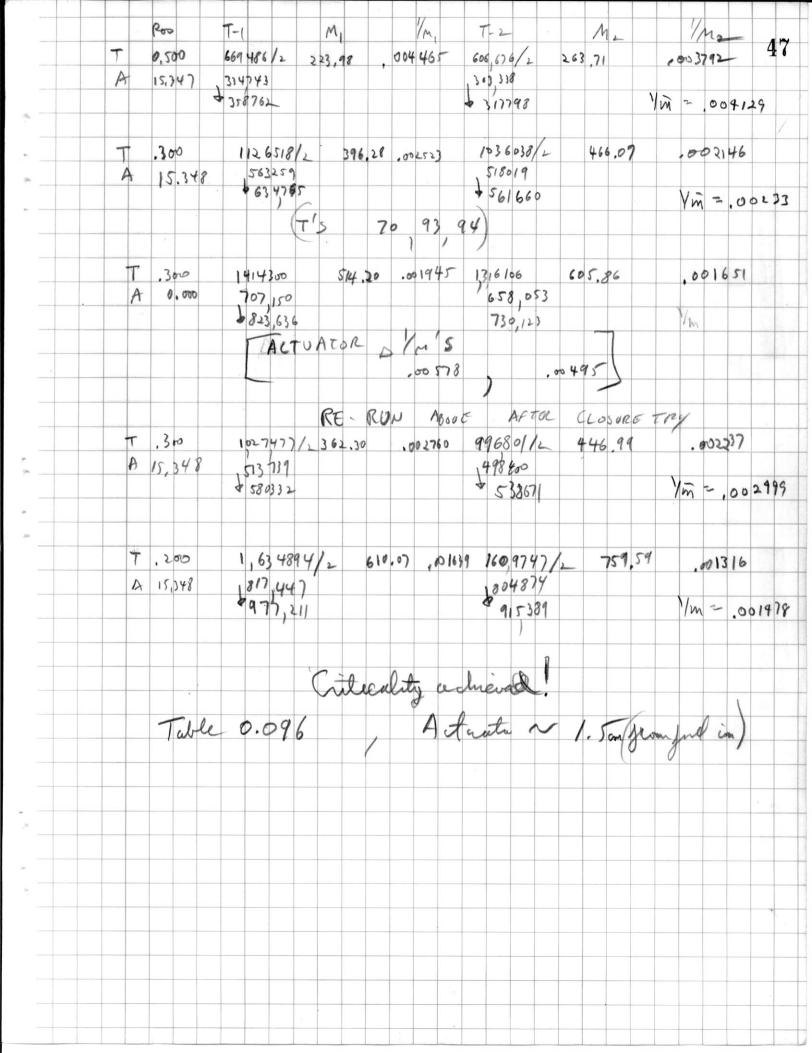


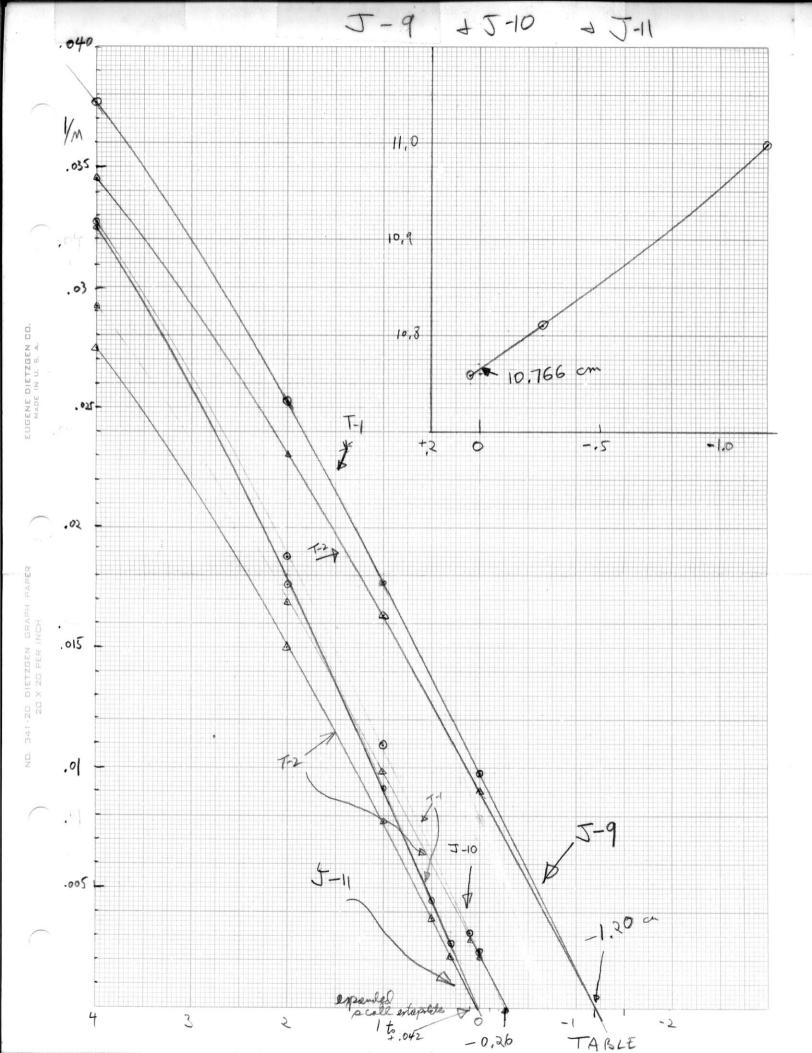


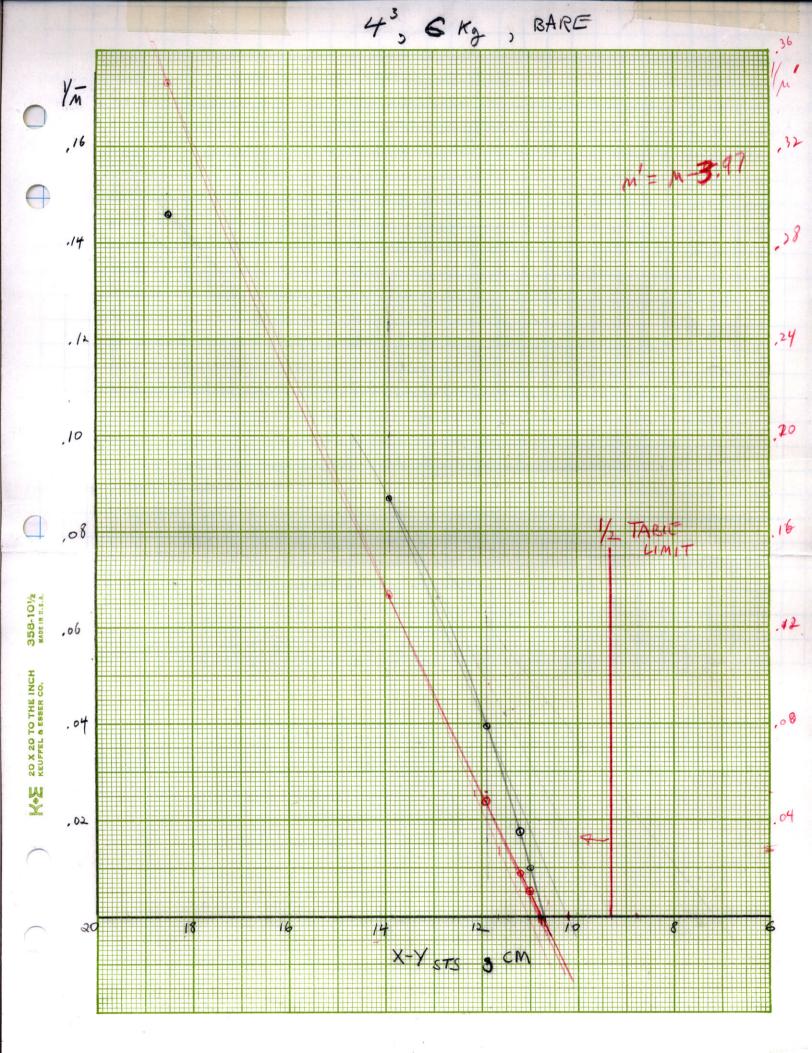
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to elongate the double-billet 49 We are going to the 3 - direction eclain out the "init cell" will change the current 17.12 cTc spacing 32 . 12 cm. (by odding a 15 cm first step in this series. The source for efficiency factor works then become : 37,86, 134 & 183. have treben a befor-holidays series of courts will check them by repeating one column often holidays. We will wait will then to entract backyrou Pec 19-20 Source Position Column Aug, Count /5 min # C.P.M 33 582 33/40 343/ 17/62 33 626

	Culum #	Source Pos	Court	15 min	Colum Avo	cen so
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		134	17855	33116		
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	5	37	16139	32884		
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		18)	16482	33174		
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		134	16891	32 999		
		10)	16011	52 117		
	8	37	16789	32 3/8		
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		183	17184	32 633		
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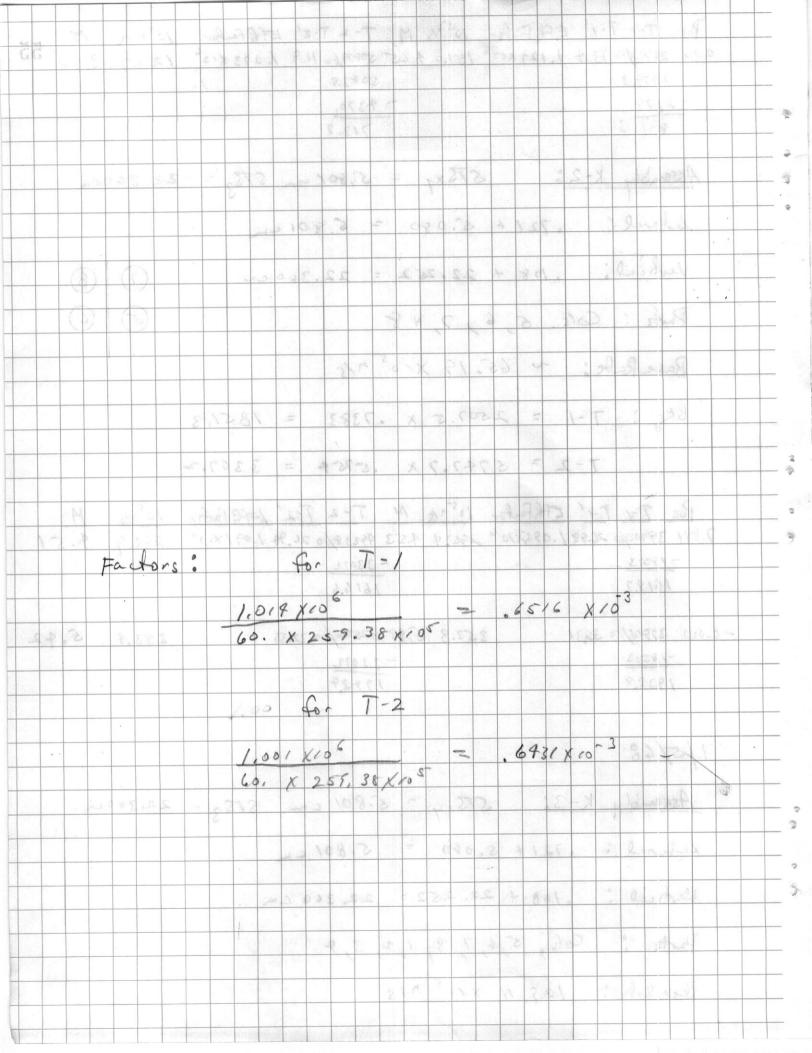
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_			(83	17/21	32374			
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~ -		13	37	16703	33250			
5			86	16865	33459	3357	6697	
			134	18676	33434			
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		14	37	17/27	32949			
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Assembly	4 K-1 :	2.12x A ±	5.801-5753 = 22.3
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Vertecal	108	+ 22.25-2 = :	22.360 cm
Parte :	Co/s.	5-46	6)
`		32.5 110 7/	
BK 0	. 1-/ =	25035 X.80	686 = 2178.
X	T-2 =	57977 X - 7	1603 - 4370.
7 795 2939	0/1261	27 806 1920 4375	T-2 T-21 ETR Febr 105000 112.

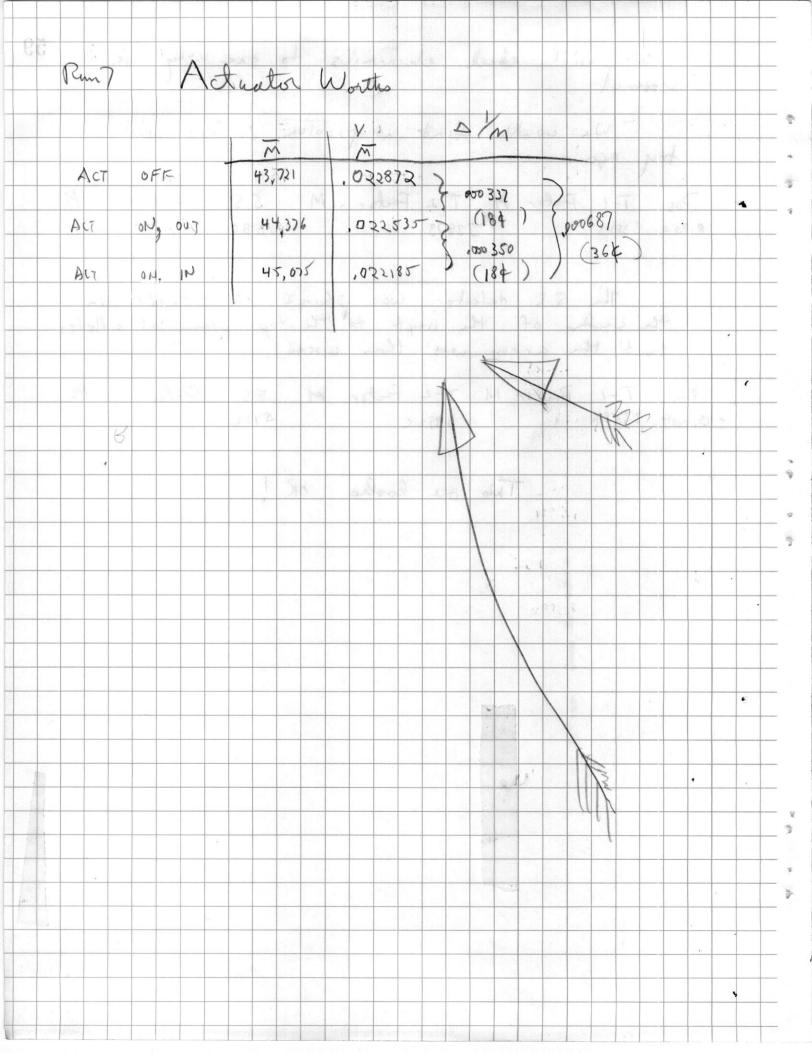
Pos. T-1	7-1'	eff FL	for	105 16	M	7-1	L T.2	, F.	E Fac	2	1056	M	
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2/78	3					7/3							
Assembly	K-2	٥	5	75×7	, 2	5.	8010	- !	5753	-	22.30	0 C 484	
Lateral		.72/	4 3	.09	80	-	5.80	21 ch	~				
Verlice	٥:	, /08	+ 2	2.2	52	=	22.3	3600	-h		7	8	
Ports :	Cols	د. 5	,6)	7,	¥ 8						3	(6)	1
BaseR	se:	~	65.	19	X/>	7	Ś						
BKG:	7-1	=	250	7.5	X	. 738	3	=	185	7.3			
	T-5	2 =	574	-7.7	X	.5-7	59	2	330	7.2			
Pos 7-1	7-1	FFRE	fn. 1	2576	N	T	- 2 7	-21	1-01	2 0	1257	М	+
7.811 39709	10 26.98	1.095%	106 20	35 4	453	4923	8/23	6 94	1.09/	X106	262 6	4 -	-/
-18513								2		9	2 4 2 4	07	-
1618.7						1616	.6						
	D/X	2 3 h	40	dyler c			" cy	1900	1.6				
-0.002 3790/	10 3231		35	3.8	5.93	5250	6/10	32-39	60		353.9	4 5,9	1-2
-185-13					-	3307	2						
1938.8		_				3307	3.4						
,							-					,	_
1/2/10	£ m	6437											4
1/5/68	27 E	Va T de			2	-		180	+ \				-
A-ca. 11	V	2	0-	7	-	100	1	Δ <u>.</u>			5 - 5 /		+
Assembl	4 ~	3.	31.	Sxy	. ·	5 . 6 0)/ C	~	5.75	3 ~	22.36	o ca	+
Salaral	2	721+	5 0	200	**	5	801						+
		1211	9.0			-	0 47	-					+
Vertical	•	108 4	22,	25	2 =	22	. 360	cm					1
Parte	Co	15, 5	7,6,7	, 8,	1,2	, 3,	9-						
				. 5	h								+
BaseRal	2:	129.	// X	60	112					A ROBERT	288 F 64 F 7	Audita distri	

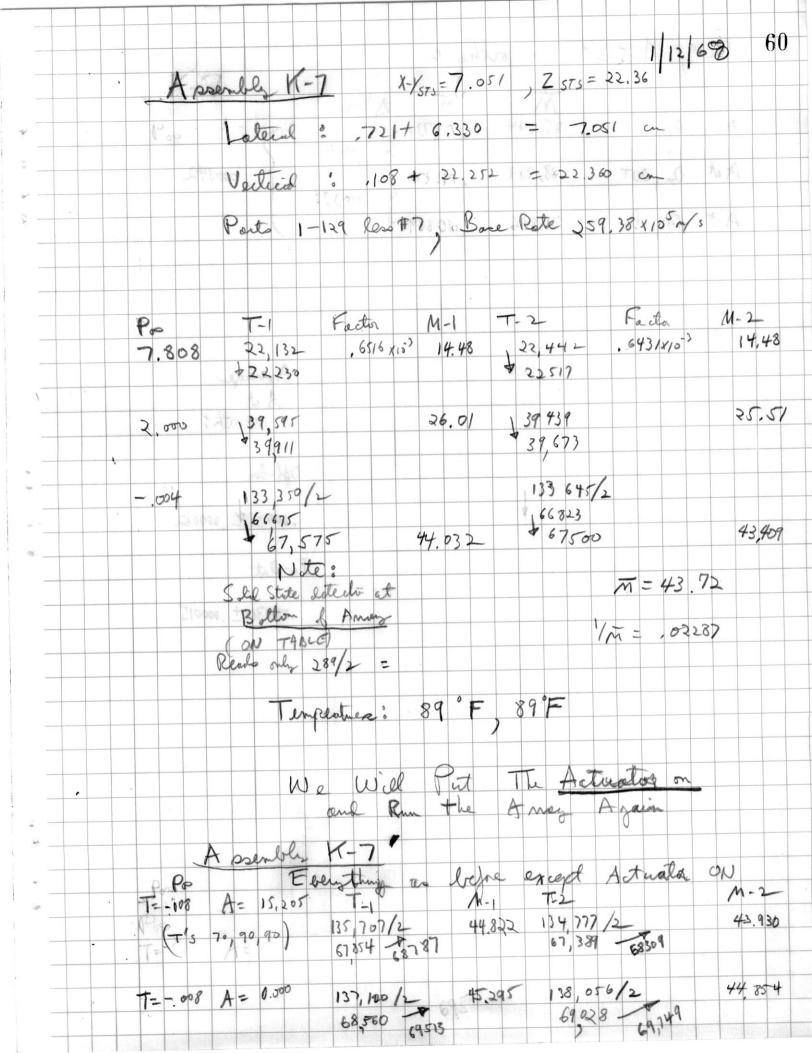


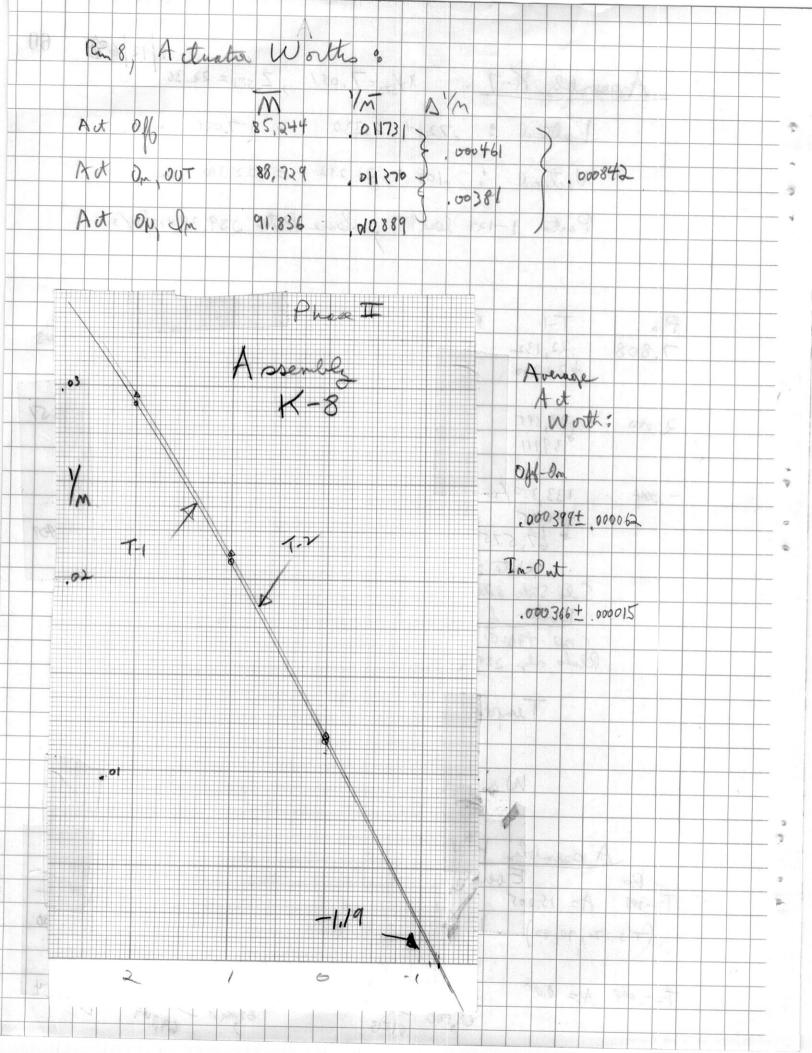
	SK4.	1-1 - 72	07.5 X .4829	- /209.6	56
		T-2 = 57	47.7 X .3/15	- 1790.4	
ý -	Pos T-1 T-1	1' Eff. Factor 10	Sys M T-2 T-2'	EFF, Factor 1057/s	M
=	7,814 67/34/10 91	1.7 1.010 x10 926	.2 7.17 73929/10 93.4	.99(X10 925.6	7.17
	5503.5		-17904 56025		
	0.003 8444/10	120.6 /2/8	1 9. 8 9/2/9/10 1	22.2 1211.0	9.38
-	7236.8		-17908		
- 1	723 6.8		733 7.5		
	1/8/68				
	we,	will begin the	e fall array	(6.092 untral)	
~	Assenbly 1	K4: 573	xy 2 12.152 cm	5753 = 22.360c	-
-	Laturali	.72/ + /	1.431 = 12.1	15-2 cm	
4			2, 252 = 22,		
	Parts:		ess #7		
	Base Rute	: 259.36	2/120x 8		
	Pos. 7-1 7-814 9286	Factor , 6516x103	M T-2 6.05' 9247	Factor . 643/x10-3	M 5.95
-	0.000 10212		6.65 10/57		6.5-3
Ş	7/63	S Reom =	70 #/=	93 # = 92	
U I				m =	
				1/m=,1	517
-		1			

Assembly	K-5	STS X-Y	2 9.118	5752	= 22,360	68
			/			
Lote	d o	721+ 8,39	/ = 9,11	o cu		
Vo	treal?	108+22	252= 27	.360 €	m	
Pa	\$	1-129	leso #7			
Be	se Rute	359.3	8 X10 m	s		
20	2 Marco					
Poe.	T-1 1	FACTOR	M, T-	2 5	Actor	A2
7,806	12,586	65/6×103				
1,006	1,206		0, 201	076		0.73
003	32762/2	//	0.674 33	083/2		10.6.
			10	542		
1 emp	entine: 7	10, 98, 9	2		M = 10	.656
<u> </u>					Ym = .0	
Aprembly	K-6				1/19/68	
			1			
		STS XY =	7.604 cm	5752	= 22.36	cm
 Late	iel : 72	1 + 6,883		,		
Lane	an o le		7,00	t cm		
Verti	cul : .108	+ 22.2	12 = 21.	360 cm	~	
		0		0.00	5 .	
Tarto	: Rottiza le	10th) Bu	re Pate:	259,38×1	o m/s	,
Pos -	Π-1	M -1	T-2		Ma	
			: / .			
7,819 1-	9,925	11,68	18039	1 1 1	.60 11.	60
-,068 6	262 1		67694	/,		
	7670/2	22,197	, 3384	7	21,878	
. 4	31835		3384	19		
		0			M =	22.0
 len	petho : 9198	7			1/m =	04538

(68) Sembly K-6" : Same as K-6 with sois state detalor in place on col. 15 inthe carder. T-1 Factor M T-2 Pactor M S.S Factor M 18017 139	A member K-6" Detector is now Min V238 fission shotel T-1 7-2 RALE 33917 33990 5 668 Sembly K-6" : Sam as K-6 with soi's Stele deleter in placed on col. 15 into conder. T-1 Factor M T-2 Factor M S. S. Factor M 1807 1807 1807		We has	se placed the array	(46.25" closure.		she implace 58 she implace 58 she implace 58 she implace 58
008 33917 33990 5 1/11/68 Assembly K-6" : Same as K-6 with soid state detalor in place on col. 15 in the center. Pos T-1 Factor M T-2 Pactor M S.S Factor M 1.804 18017 139	7/11/6: 33917 33990 5 1/11/6: Same as K-6 with soil stell telefor Assembly K-6": Same as K-6 with soil stell telefor In place on col. 15 , the carder. Pos T-1 Fullor M T-2 Fortor M S.S Factor M 1,809 18017 139 0.005 25035 33857 2866			-6" Pe	lector is more	w Min U238	
Pos T-1 Factor M T-2 Pactor M S.S Factor M 1.804 1807 1809	Pos T-1 Factor M T-2 Pactor M S.S Factor M 1.804 18017 139 0.005 25030- 33857 266 267 243 243	1/11/68	33917	' Same	33990	5	State details
	243 243 253	Pos 7	T-1 Factor	m p/a M T-2 1805%	Pactor M	S. S F	the certer.

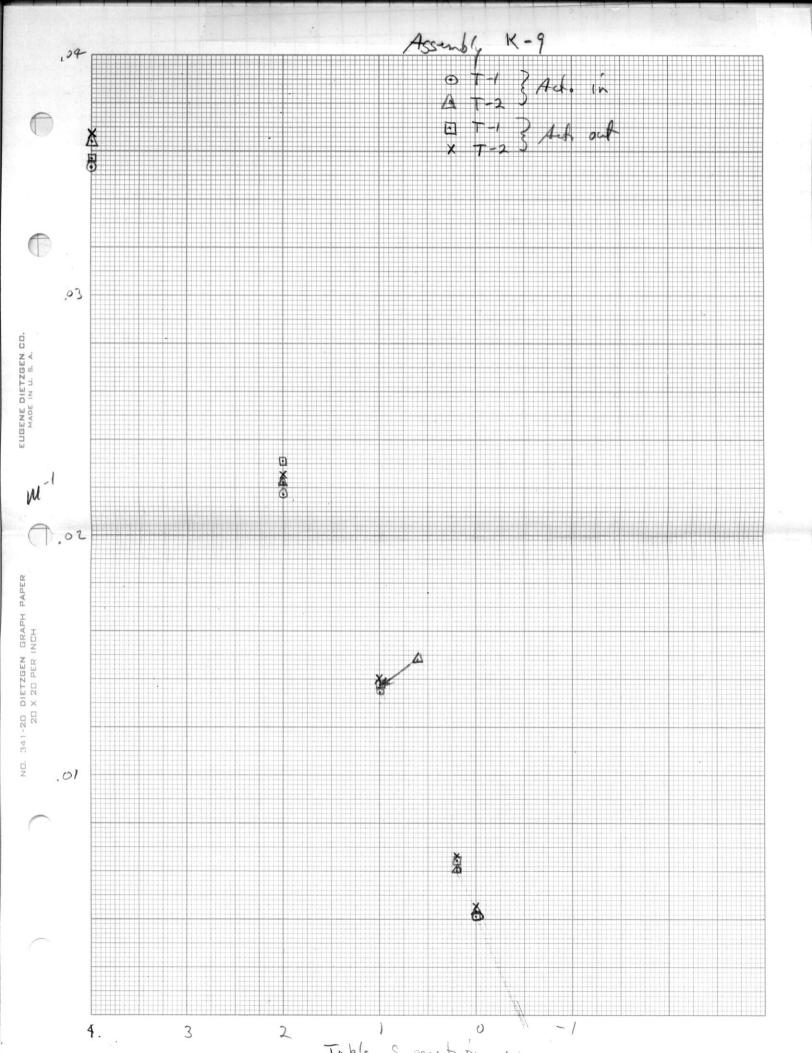




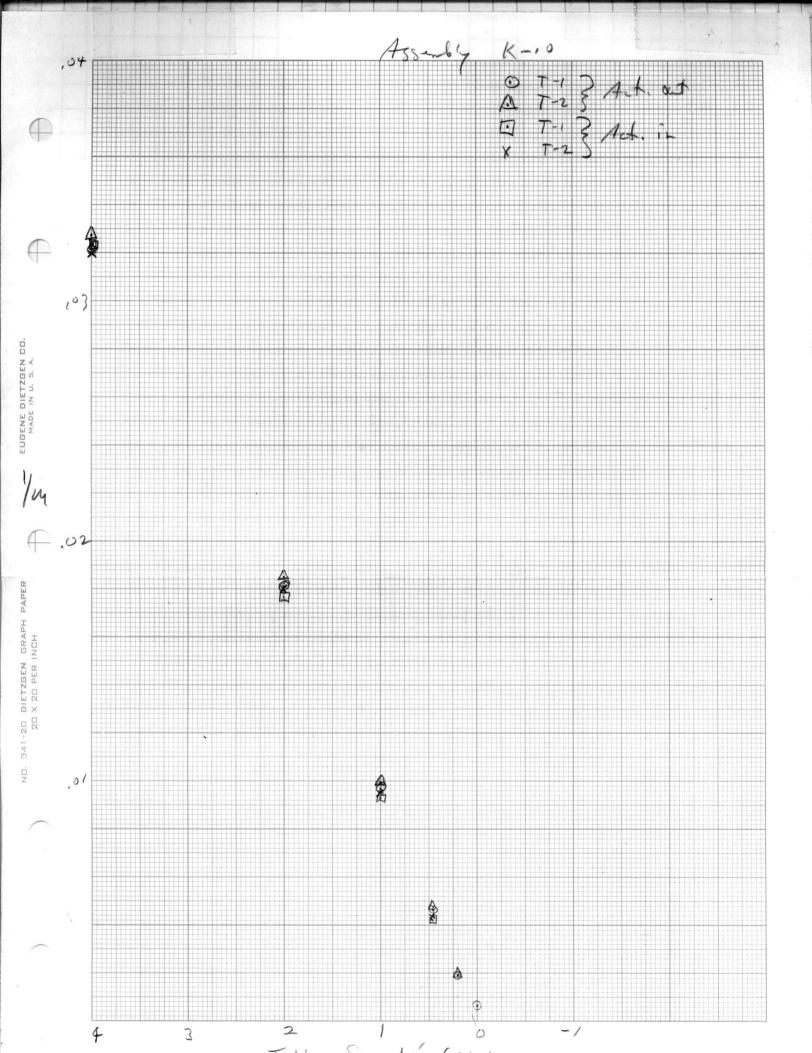


As	sembly K-8	575	= 6.8 cm	5752	68
	Lateral : 172	1+ 6.081	= 6,802	cm	
		8+ 21 257			
	Ports 1-129 less #	7, Base	259,382	×10 m/s	
Pos ;				Factor	11-
7.814	7-1 Facto 24839 .6516x1053	16,26	24,900	.6431 VID-3	16,08
		51	२५, १९७		
4,000	36 113	\$3,53	36,032		23,3
2,000	52,248	34.40	52, 283	33,57	33,89
	52799		52696		
1.000	72, 233	47,768	73,020		46,96
	73,292		73,020		
0 000	258390/2	86,416	256 424/2		84.07
	129,195/	1	130,727		
	Temperature i 7	8485	130,727	m = 8	5,244
	1 stripenitie 0 /	, , , ,		Y= .4	211731
The 1	A dasto is m				
A	on in the usual	place			
1 sem	Same as before	except ai	luceto or	•	
Pos:		'			A. -
7=1.00 A=	15,324] 268 296/2	M-1 89,820	267 088/2		M-2-
	134 148	11.0	1133544		
T= -008 A= -	137,844	27 7 20	136,274		90,88
1 100/17-	138457	987,58	138387		10,00
	138457		141320	~	1/4 =

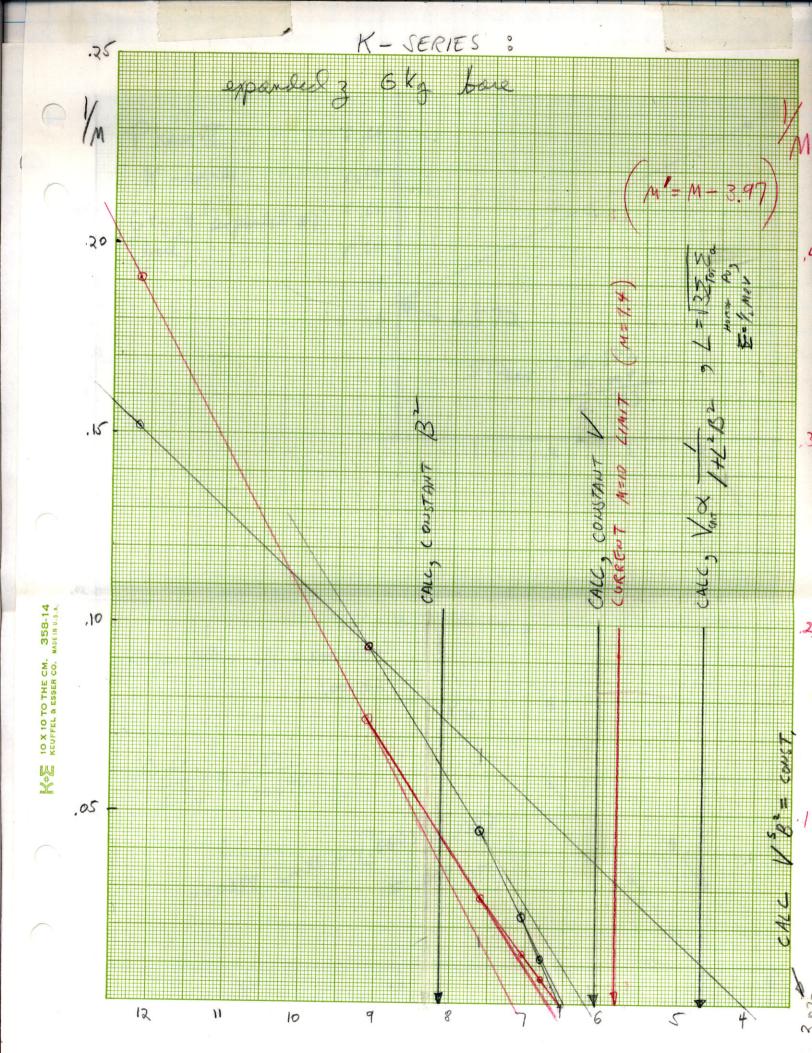
		A	senbly	K-9	575	= 6.66 (2)	1/16/6 STS ₂ = 22	68 62
*			Later	.7	21 + 5,94	+ = 6	.665 cm	
			Porto		#7, B.	se Rote	259.38 X10	
		Pos T 2,815	0.000	T-1 28199	Factur 65/6×10 ³ 1	M-1 18.37	T-2 Fact 28275 . 6401x1	M-2-
		7.815	/s7,328	27702		18.05 28.05 03565	27841	17.90 27.19 Ym = ,03678
*		\$.000		+3094 143969		8.32		27.47 Vm 2,03640
*		2.000	15.325	L 6 9 6 5 2	4 /m 2.	3.39	68363	44.42 /m=.6225/
		1.000		108809		02/63		44.98 Ym 02223
		7 3	774's	1/08909 11/336 R= 70		1378 41		71.00 Vm = .014.8
, ,		1,000		111342	7 - Jan	1.20 110	9950 2422	72.56 Ym= .01.278
	>	,200		228596		7.09 122 00(41 23		157,27
29.			l	211594	/m = 10	5. 8/ 24	1172	Yun 2 , 006/9

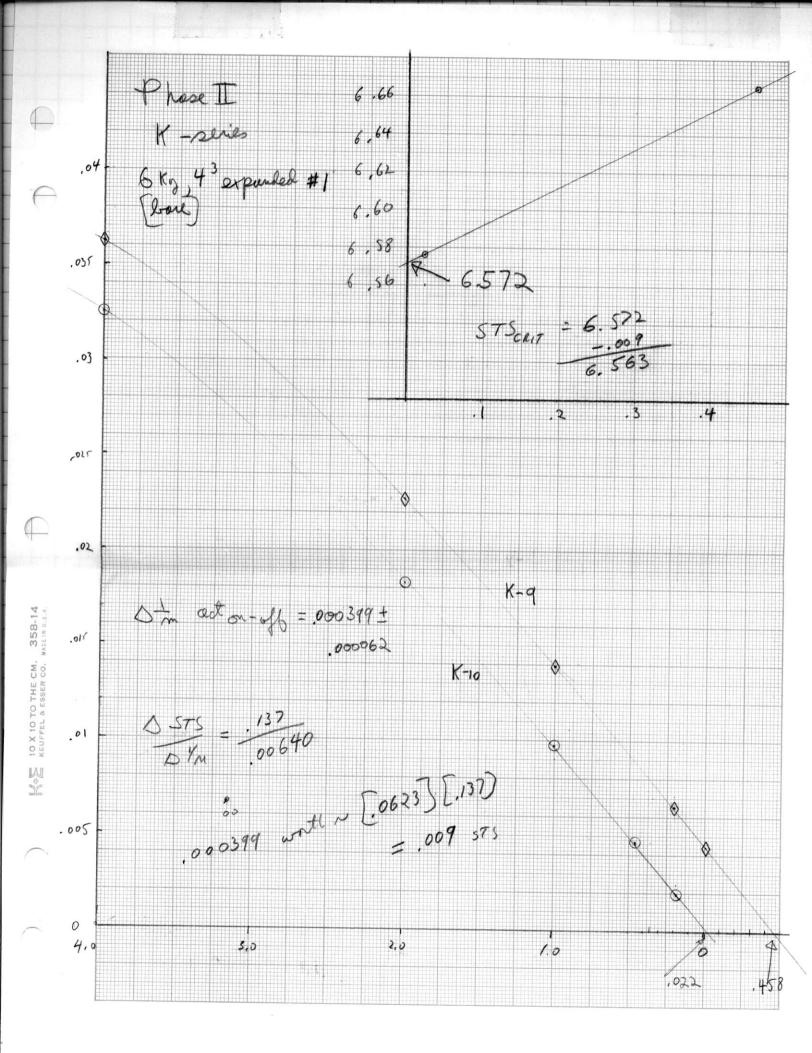


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			Pos.					T-	I	Ŧ	ad	ter		M -			T	-2			Fa	Ao	r		М	~ 2	6	3	
		T			A		32	482	.1		65	16 XL	-3	22	6.4	, 3	329	768			64	31×1	0-3	1/m	2	15.	5-		
9. —		008	-	15	3:	22	39-	7903	-				/m	=,00	A17	13	41	397	3					1/m	2.	00	950	h	
n _		008		0.6	DO 0	1	3 \$	903	2			\/	-	2 4 9	.5	13	49	38	4					1,		37			
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			Pos	\$		T		1		Ŧ	ai	tor	_		м-	1		-	7-	2		F	-A	17/3			M- 15.	2	
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		1,984	0,	000	1	85	76	g.							56.	45	1	849	9/						١,,	3	5-	36	. As-
					V	86	63	7				V	Ym	~ ,	01	77	V	86	98	4					/m	- 1	01	8-06	1

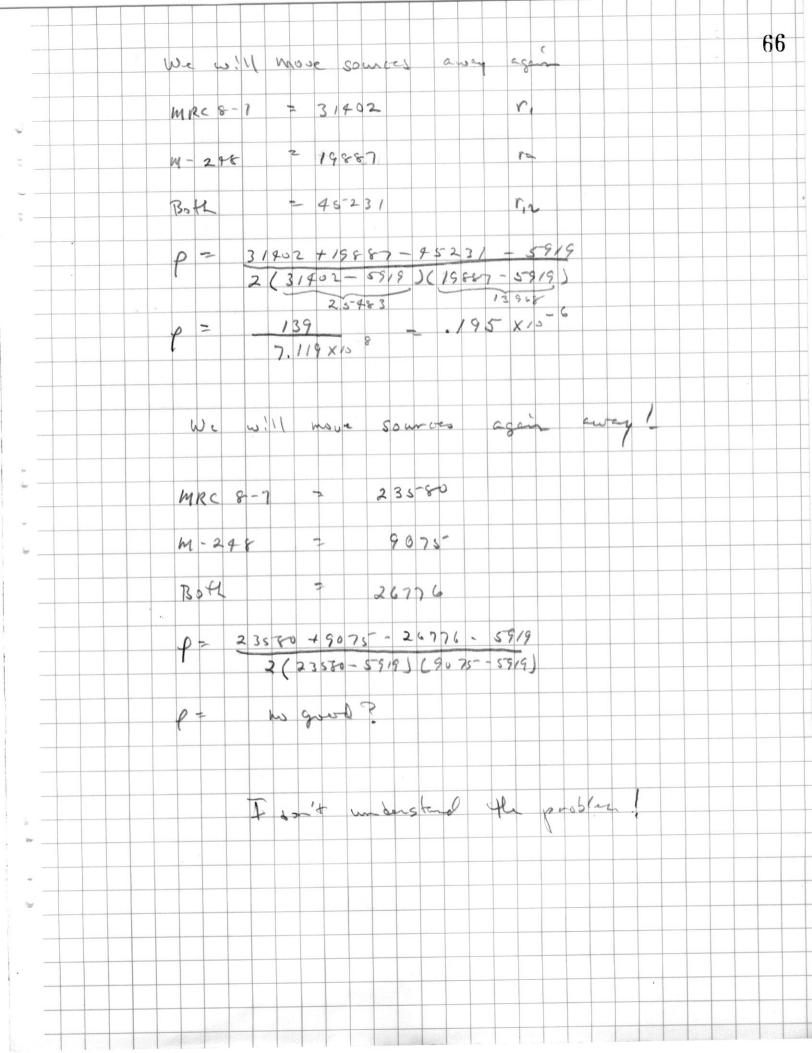


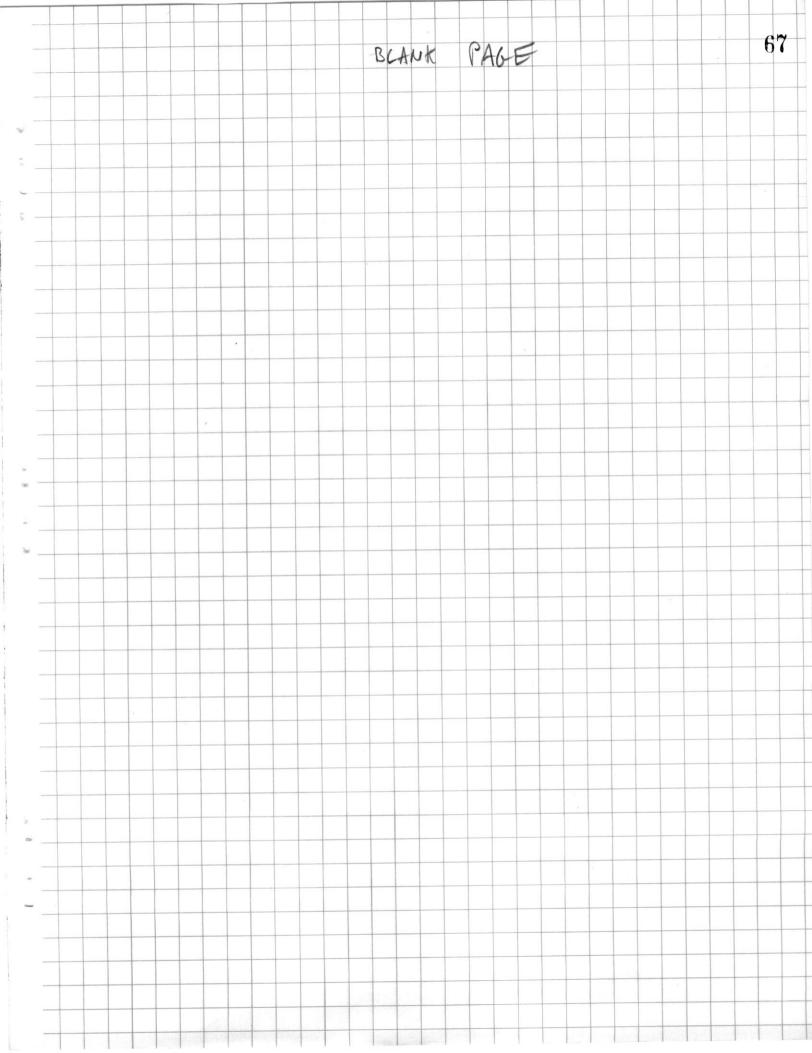
Feetor 7-1 Fortor M-1 P.8 M-2 64 6576 X13-3 .6431×10-3 15.337 153613 103-3 10102 1.000 1/m 2.00888 Ym = 00968 105.8 m = ,009.89 1079 165666 163886 1.000 0.000 m 2.00927 .460 15.337 312117 1312309 217.0 210.5 Yun 2.09461 \$327327 Vm = , 00+75 236.7 338176 Ym = 00+22 V 356287 229.1 0,000 33866 F ,460 m = .00 436 1363256 15.337 692751 529.0 1699651 Vm -, 0019 781689 502.7 m + .00199 #/ = 8 2.5 # 2 = 87,5 R= 20 154.7 845419 1/m2.00153 8968184 1,000 1836643 622,6 .190 ym - ,00161 1.509 X103 163 6244 + 2168474 1,395×103 15. 337 158 2582 .064 1 3/5,477 M 1,452 X103 ±4% Note: From the behavior of T-1 and T-2 high court notice, one would conclude that indeed T-2 has a higher lead time then T-1 but not as high as we have been using. When we change amplifies, we will he study the dead time problem.

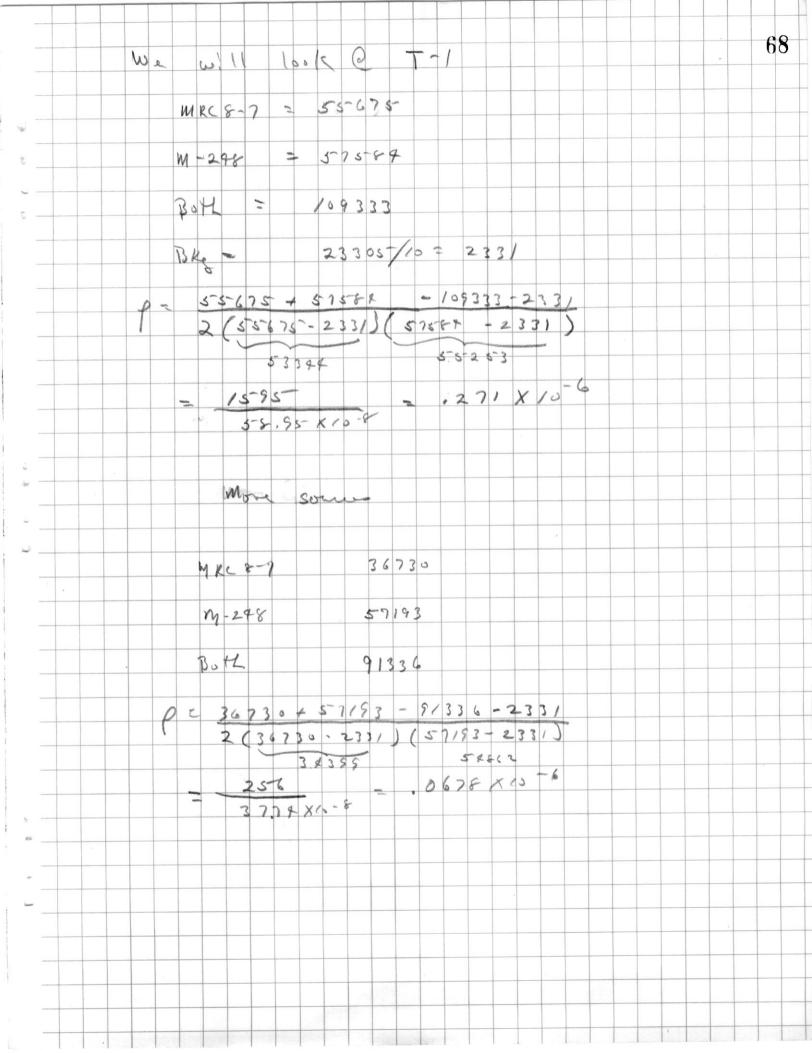












124/68 69 finished the deal time experiments It expens that a) the dea Junetion of count nute c) counter I and counter is about the pame dead time. We will go on the rest (highly exposuled) array, We will add another 15 con to the snafare-to-surface spaces. The Center to Center spacing will then be 49.12 cm The source holden is centered at position 110, the position corresponding to 47,12 cTc. (26 1/100) are 3,74, 146, 287. will start Source courts again. Recall we) fairly new (only 5 years Al) RCL BF, thes, 1/24/68 30 min Background $\frac{7}{68257/30} = 2,282,5 \text{ cpm}$ $\frac{7}{155762/30} = 5,172.1 \text{ cpm}$ Calum # Some for T-1

10 3 14630 Column, Avoy, cpm T-2 29364 74 5,915 15061 29551 3,010 29800 15276 29591 15232 217 less bregal. 743 727 1/25/68 2251 cpm 5175

					1/	25/68 70
	Slum	Some	Courts/5 ma	i	Culuma	Avy Cpon
		•	T-(T-2	T.	Ary Con
*	9	3	14,664	29,592		
5		74	14,992	29,876	2991	600 2
~ <u> </u>	E.F	146	14,664	30,093	15,19	401
5		217	15,226	30,487	23 7	Arte 1
			114	2	828131	
	11	3	14,954 15,180 15,263 15,646	29,471		5000
		74	113/1100	29,596	3052	5920
	8.1	146	15,263	29,543		
	0.4	217	13,076	29,792		
	12	3	15 123	29 2 58		
		74	15,103 15,448 15,712 15,687	29,358 29,643 29,501	3098	5910
		146	15 7/2	29.502	20 10	3110
		217	15.68)	29,705		
~				- 1		
be -	13	3	15098	30254		
do	•	74	15475	30559	3.83	6114
56 C		146	1532)	30686		
		217	15774	30782		
	14	3	15/25	29952		
		74	15859	306/3	3/42	6100
		146	15727	30450		
		217	16/31	30980		
		2		20035		
	15	3	15539	29875	2.20	
		74	15897	30559	3178	6050
*		146	15793	30/33		
~		217	16331	30426		
5	16	3	15 066	39 -47		
_	0	74	15,666	30 079	3228	5996
		146	16,280	20 036	347	3 110
		217	16,527	39,547 30,079 30,036 90,265		
				12		
		PERSONAL PROPERTY IN				

05 55 5	Column 1	o Repenter 1	25/68	
	T-1 187	P 7-2 43 41	EP	•
74	14,626 15,193 15,186	29,360 39,522 3019 30,730 30,296	5993	
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1 9412	- /^ X	1225	941	
	382	768	818	
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126/68 72 30 minute Daleground 67, 189/30 158,059/30 2240 year 5,269 opm repeat. 155,767/30 67, 536/30 2251 yrm much bette 5,192 opn we are pulling out the 15 cm spaces we had unserted into the last appropriation of (2575) spaces which all to 30.002 cm (± 1/2 mil again). The Gottom spaces are mour 5, . 5, -4, 8 = 13.9 The variable & S.T. S. is 30.00++ 7.252 = 37,254 The pixel STS is . 108 + 37,254 = 37.362 The buckeyeound for an cerney with 14 colour a T-1: (8686)(2251) = 1955 ypm T-2: (.7603)(5-192) = 3947 ypmwill now begin safety arrays Dote: Due to Power (115 v) dips

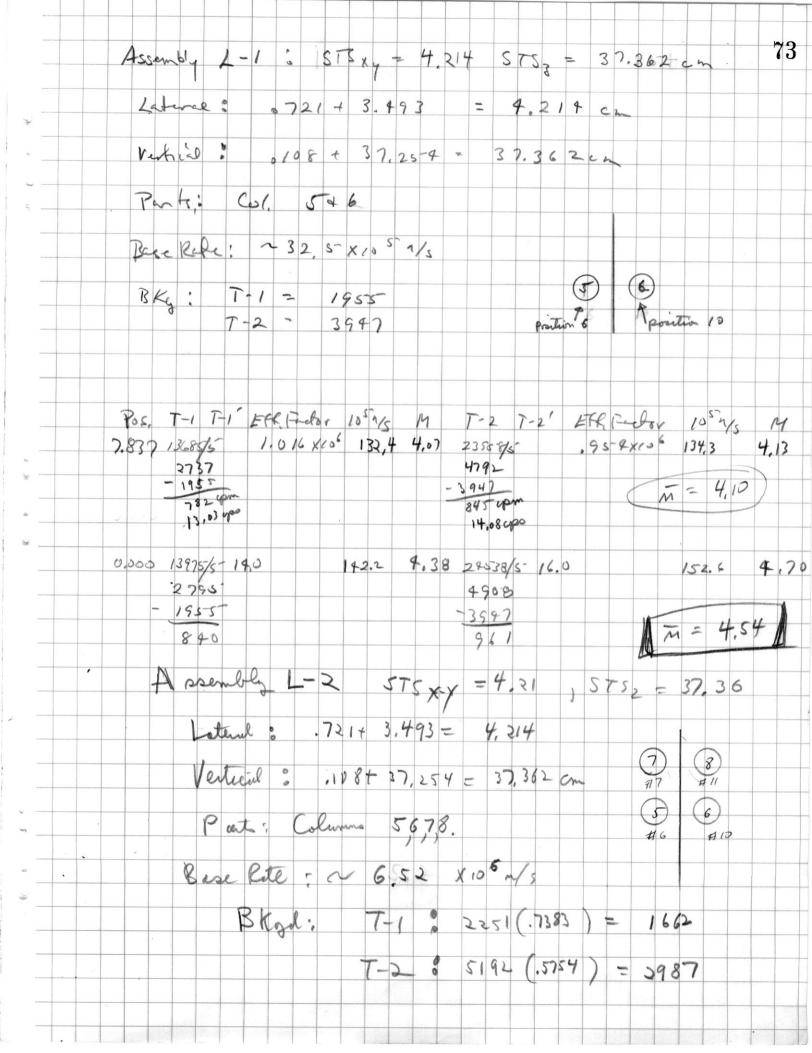
(bad Air Cond. Unit.) which have been screening

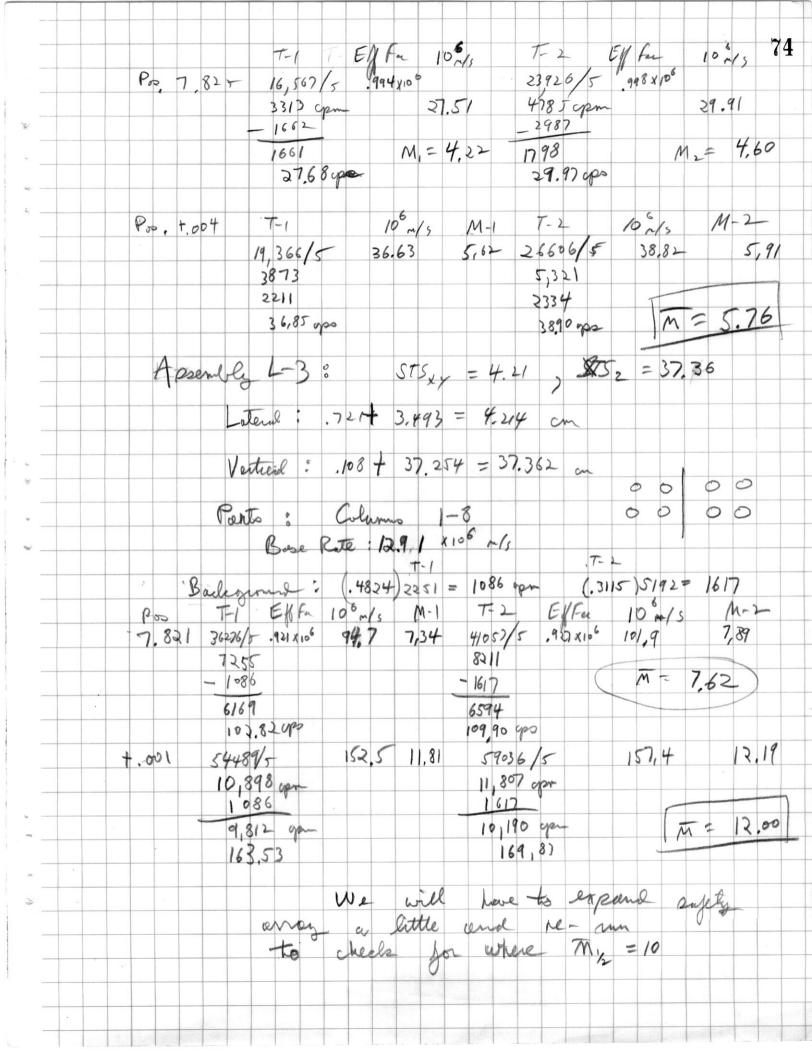
table luming source count we have jacked

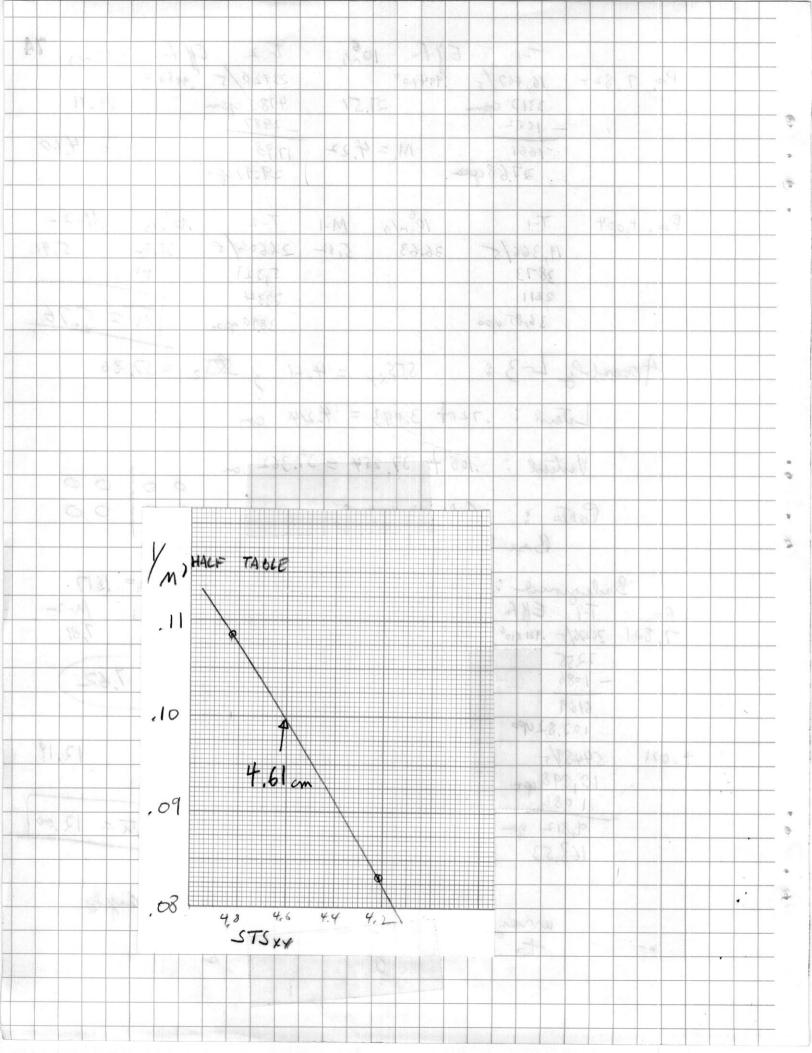
up the magnet voltage to 90 Volto your count 80.

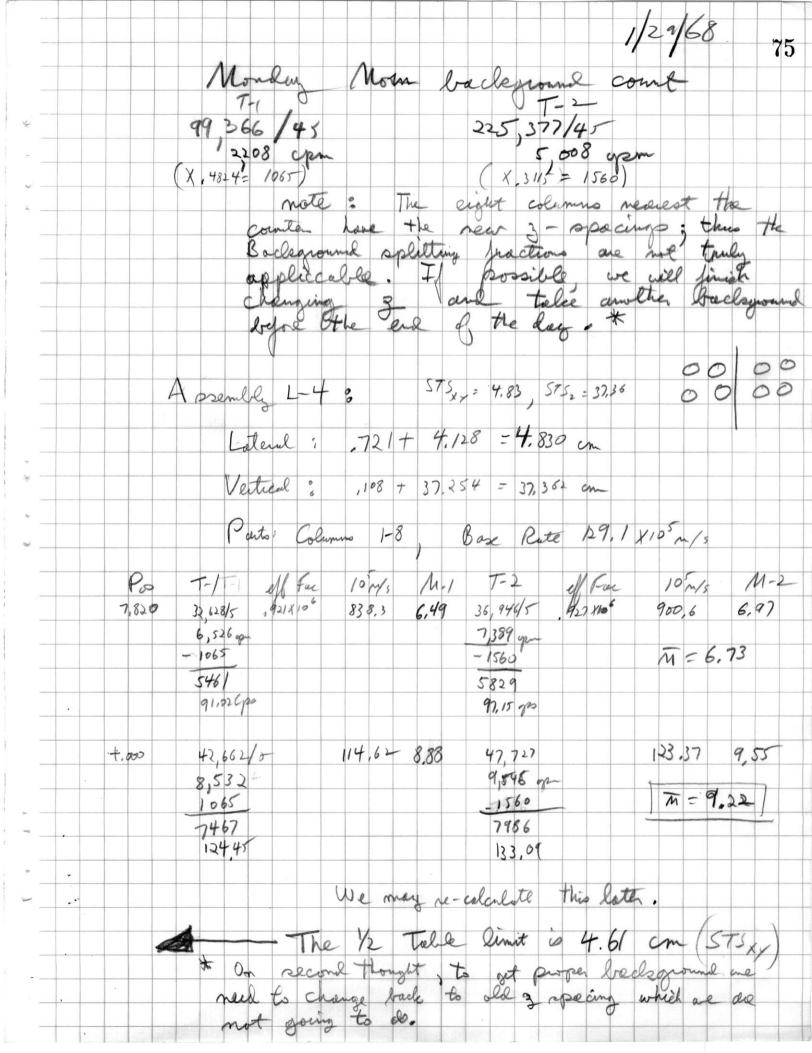
This has added 2 millisecond to our release

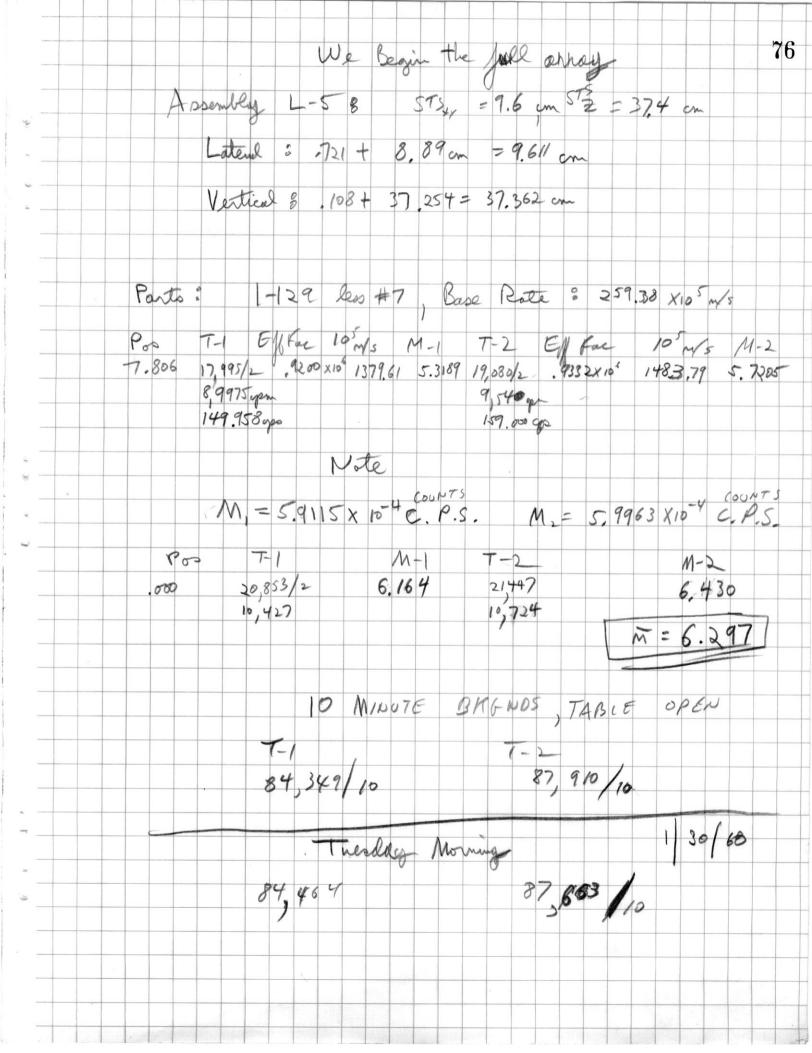
time which is now 42 millisecond, well within m the S.A.R.

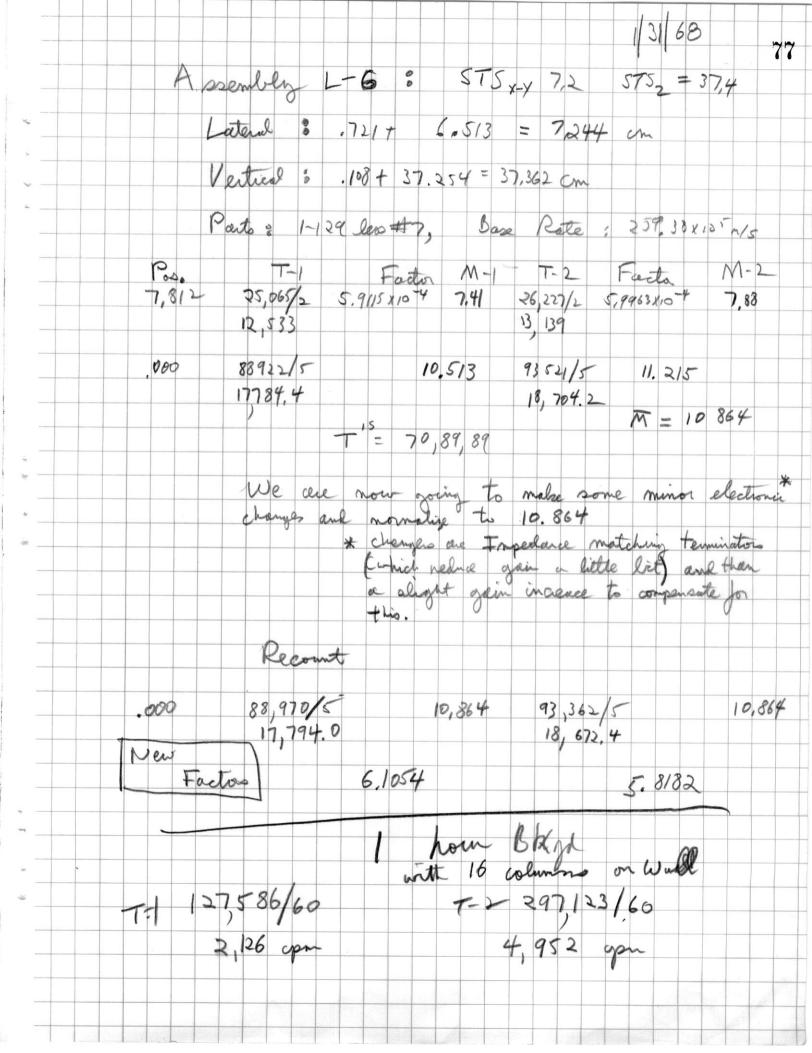






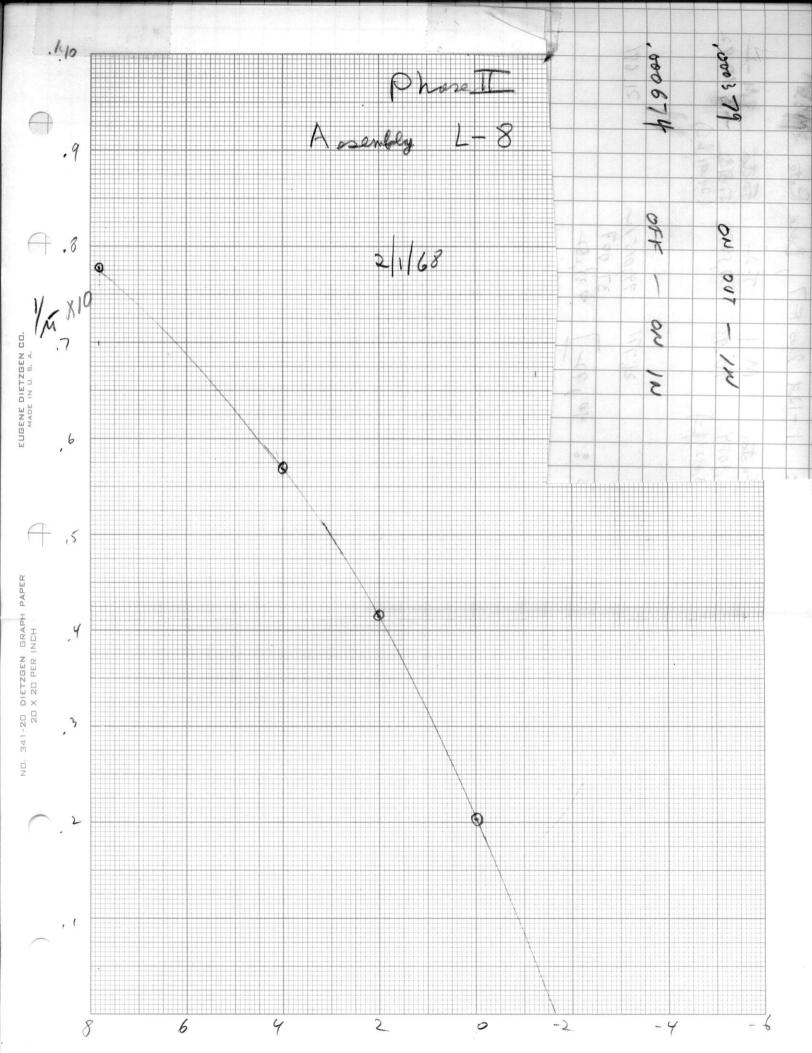




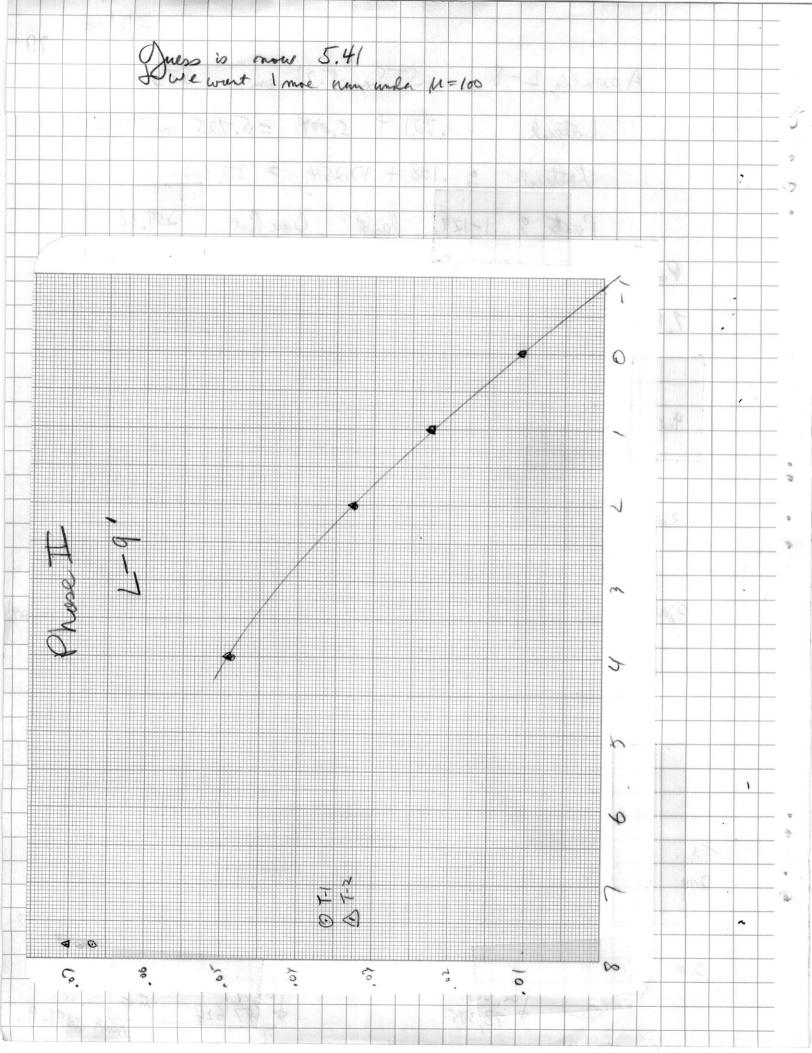


Assembly L-7 STS xx 6.05, STS 2 37.36 78 Lateral: 721 + 5,329 = 6.050 cm Vertical : 108 + 37, 254 = 37, 362 Parts: 1-129 less #7, Base Rate 259.38 Pos. TI Factor M-1 T-2 Factor M-2 7,820 35978/2 6,1054 10.98 37,547 5,818 10,92 (3,0527/2) (29091/22) 70,817/2 135,408 435,660 TS 8 90,92 7 431,282 21,771 21,69/ 74,015/2 - 697 84 853 26.125 88,281 ,000 25,993 44,141 42,427 442,790 M= 26,059 At this point, my best guess Citical is 575 = 5.40 And West Sol-up 5,725 cm

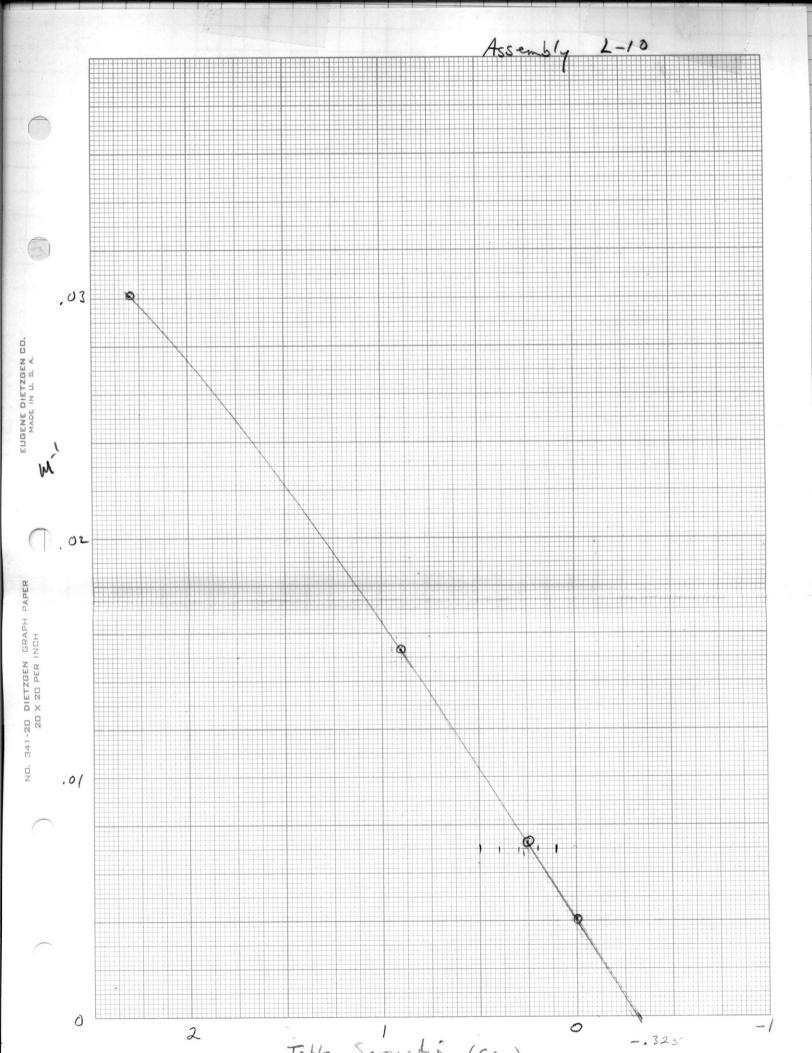
D/M CONTROLLE MENTE CHANGE ,000295 OFF - ON OUT ,000 3 79 DUT - 1N ON ,000674 OFF ON IN



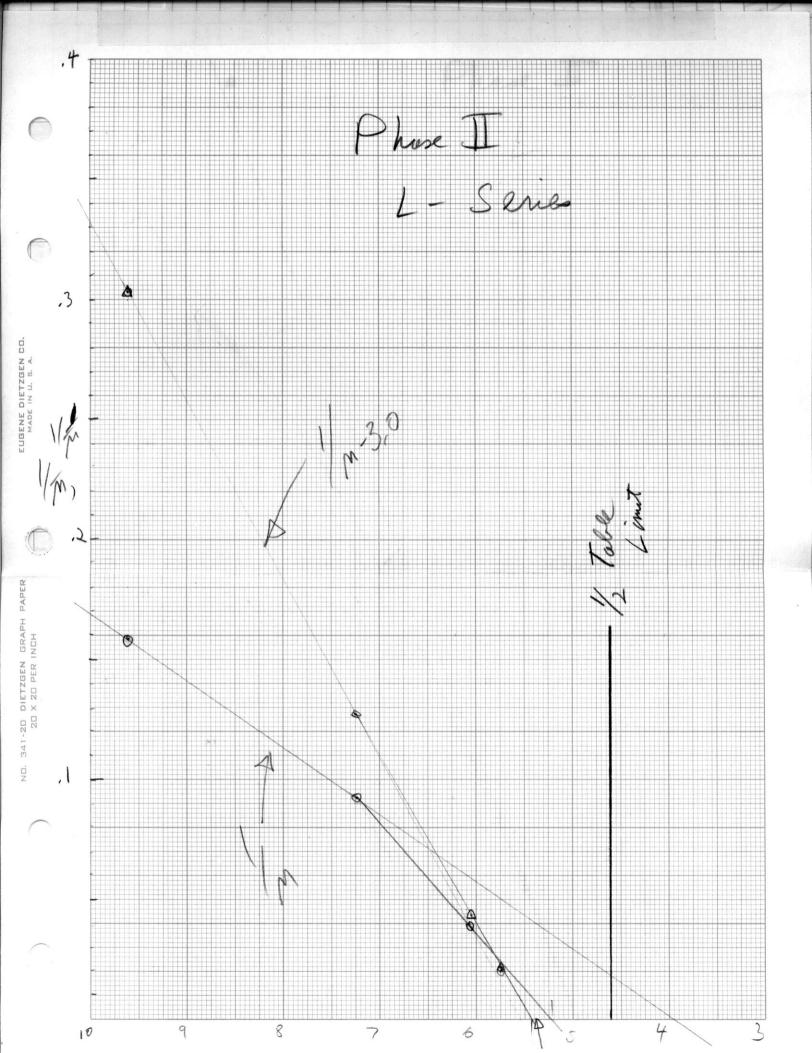
	Ap	sembly L-8	STS x 5.73 on	5752 17,36 cm
<u></u>			121 + 5,004 = 5.72	15 cm
•			08 + 37,254 = 37.	362- on
-		Pats 3 1-129	lent? Bux Rott	259.38
	Pos	T-1 Factor		actor M-2
	7.820	42,323/2 6.1054	12.97 43,830/2 5,	8182 12.81
		121,162	21,915	M=12,89
	4,000		17.62 59,912/2	17,5-3
*		57,374/2 28,687 28,853	17.62 59.912/2- 129.956 430.137	A =17,58
	2,350		400 82, 527/2	24,21
is		77, 991/2 2	41,263 941,606	W = 54.10
	0,000	159 184/2 4	9 380 166,076/2	49,13 (49,129)
		79' 592	84441	m=49,26
			<u>'</u>	m = ,020303
	A	psembly L-8 Every	there same as before	
			trol element on for	ecing
- Surg	Tal. Ad	7-1	T-2	
3	0,000 15,	180,724 180,724 185 059	50.100 168,510/2 84,255 85699	
	0,00 0	164,034/		1/2
		182,017	50,910 172,229 186,115 \$ 87,6.	~ = 50.95 ~ = 049629
		7 85,303	4 9 / 100	1/2 2 00 40 2

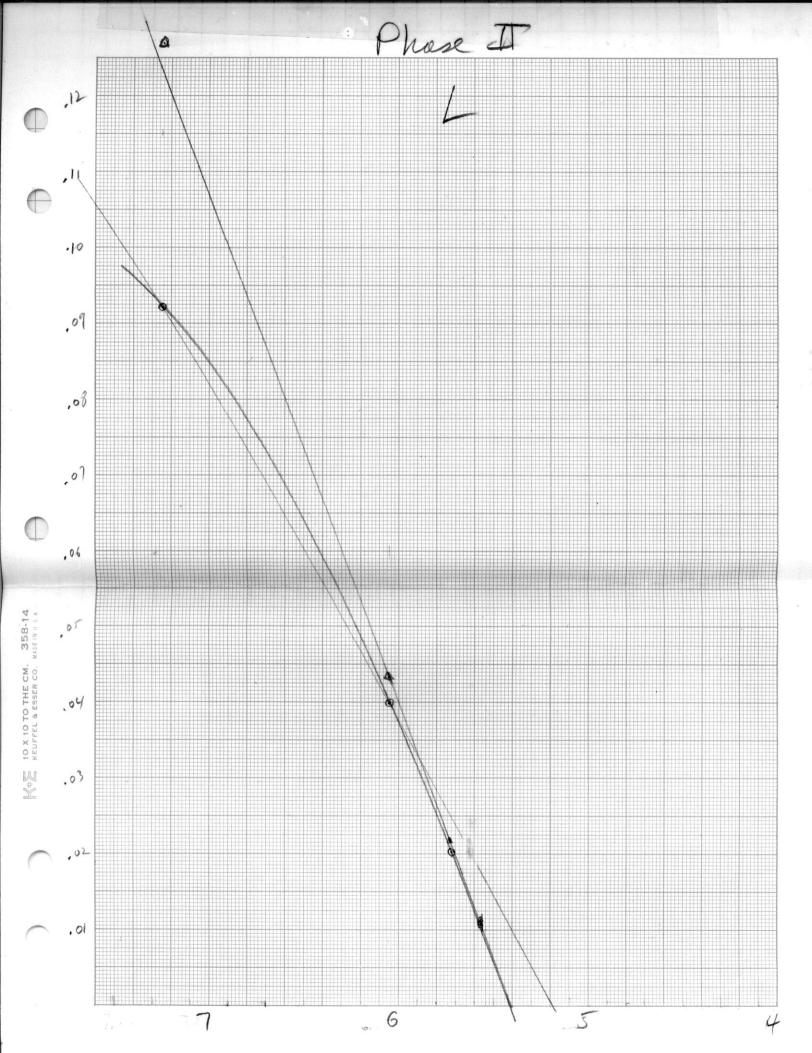


							2/2/68	80
			16	vlumns	on w	all B	Cyde,	
		65,	654/20 2,188 ypm		14	8 400/3 4963 upon	0	
			2,188 ypm			4963 cpm		
			2,126 year	1/31/	68	4,952 4	2	
-							20	+
-		A open	bly 1-9	. 57	TS x-y = 5,5	7 57	5.2 = 37,36	
		Lat	The Con	LW EL	ement is	5.567 cm		
<u> </u>						37, 362 cm		
		16	art : 1-12	q les-	to Base	Rute 2	59.38	
	Poo	. T-1	Fector	M-(7-2	Factor	M-2_	
	Table .	Adt, 7-1			20			
	1,017	15,177	23520	77.7	24,487	5,002	14. 25	1844
-	3.999		33386/,				20,30	-
	7.11,	15,332	3366/	49 , °	34,887		20,00	
	2,000	15,333	49 875	30.76	1 51.830		30.47	
		1,000	50,377		52,373			
	1,000	15,333	142,384/2	44.25	149.578/2		44,17	
i			142,284/2	•	149,578/2 74,789 475,925	-	'/	
			1	20				
	0.000	15,337	296,156/2	93,17	310,8691	'2	93.34	
1, (4)			296,156/2 148078 Y 152,598	m=.0107	160,422			
,							9//0	
	0,000	0,000	307,836/2 153,918 158806	96.96	321,397	/2	96.60	
			128806		160699	5		

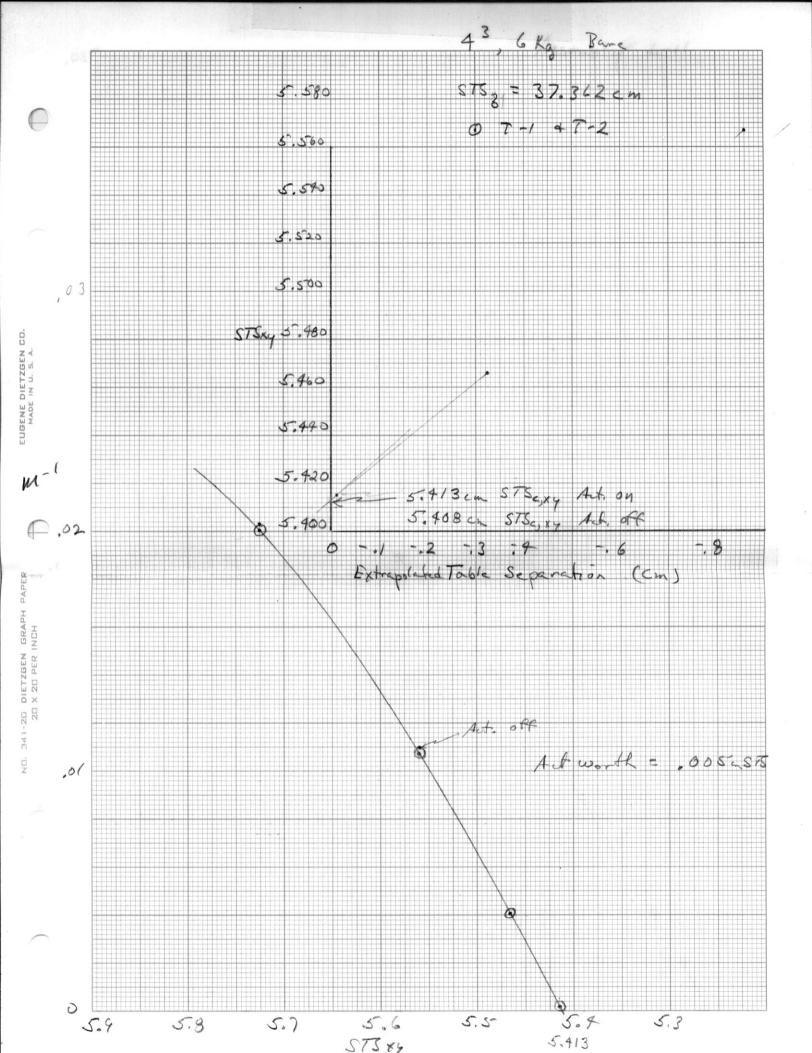


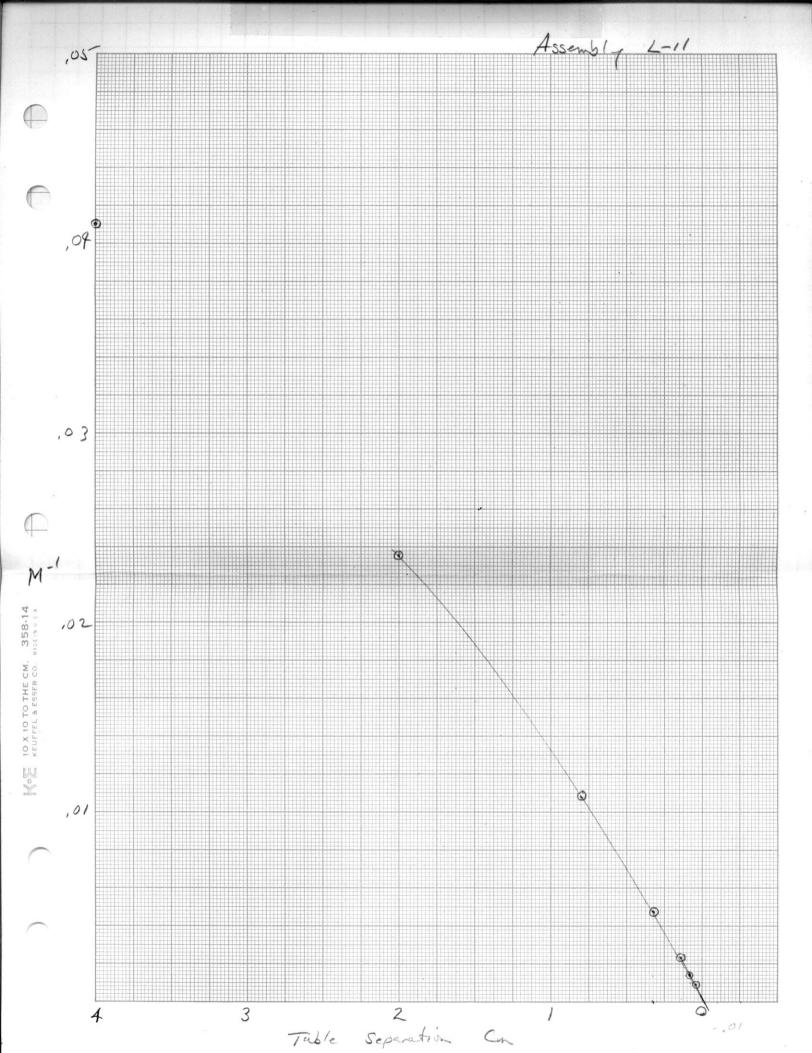
				A	ose	mbl	20	L-	- 9	1			,	575	,					,	Si	752	-11	37	.36	81
• —						t	oe	ex	cep	t	+1	2u	nl	he	cl.	co	tu	efo	el	ler	ren	t	-	of-	G	
* —				.000		289, 144	738	1/2	F G	10:	to 54	Yw	M 91	-(,0 9	7	30	3,7.	32/.66	2	5	.81	82	2		M- 91,1	3
						1		,		0			1		1					M	lon 2	La /s	5/	M 68	vu	-
? (K)				13	7-10	30 176	16.	0 m	it		2	10	68	res	20	764,	24 194	75 563)	16	om	- u	5-80	H	2		
_		2/6,	168																							
_	1		ssem			-10					v									ST.	52	= 3	7,	3 6		
_			extic			. 10	8	+		37	. 2	59	Ľ					. 3	62	c	m					
* _		В	ase	Rat	c:		•	2	5	9.	38	Χ	10	5												
-	Po 7.8 A-15.	5, 25 °	19701	12		F.	105	4 X	- 9	<i>*</i> /	1	17		5/2	97°	2/2	7		5.	-ct 818	2x1	10		M /3	5.1.	2,
	2,2	39	10890	572					Ym.	3	3.2	0/		119								Y	M -	3	3.2	/



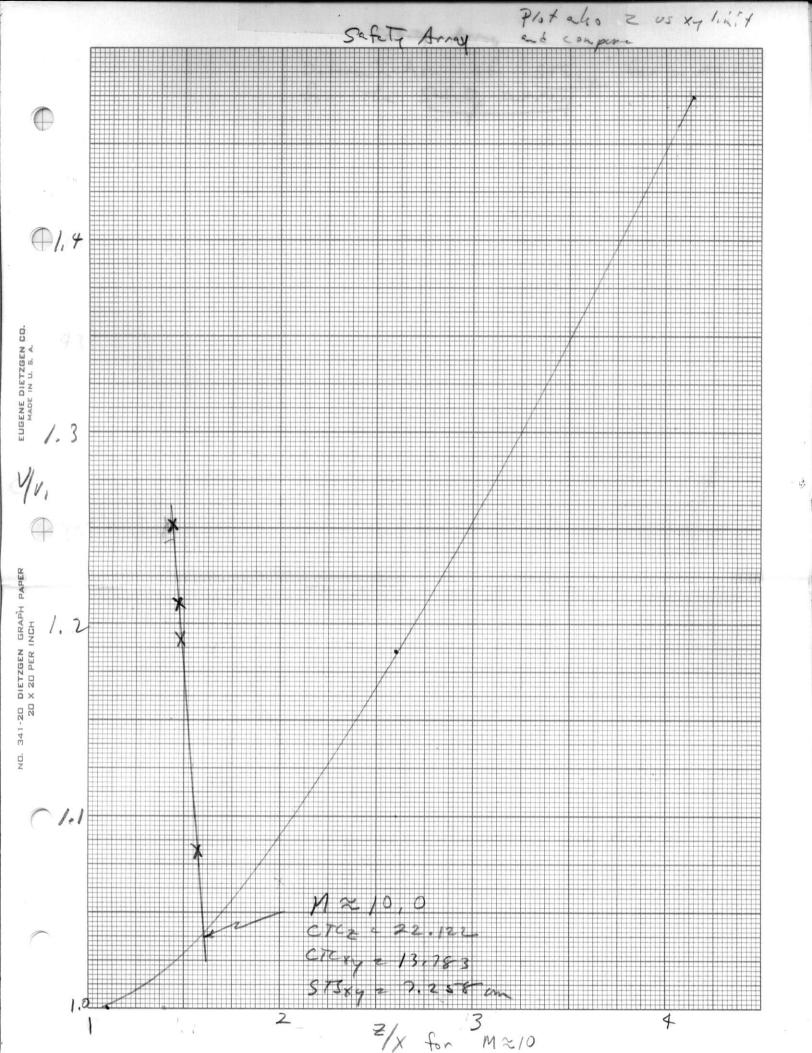


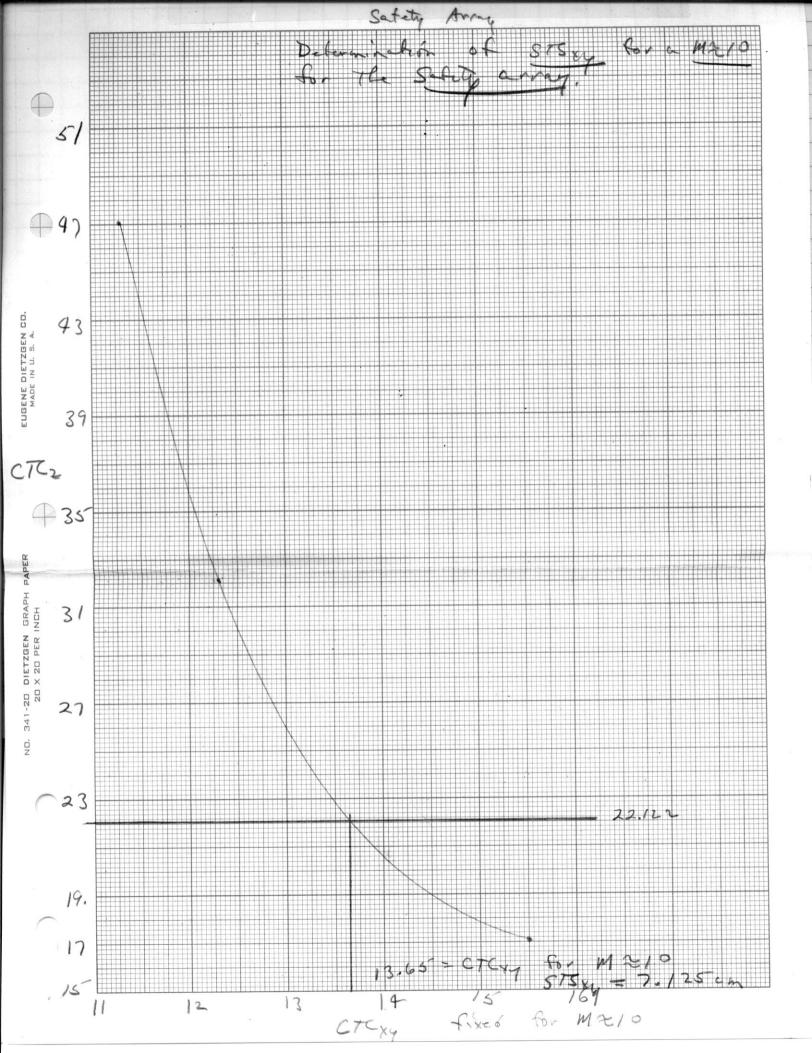
	A	Pos 900 -15',326	T-1 104591 106823	6,1054 xc5 /un	M 65.22 2,0153	7-2 10962 112075		M 65.21 82
3				7/6'5	Rooin		#1= 85	#2 = 87
*	A -	. 255	2/385	\\ /ne	134./3	D228818		136.97 Ym = ,00730
		0,000	.36746		242.1	385377		2 \$ 3. 48
	A	2/5,326	2396619	Y y	=,004/3	385577		2 \$ 3.08 /m = .00411
			+0349/	,	268,0	1822823		268.7 Ym 2,00372
	A	- 0,000	438911	Ynı	2,00375	46/879		/42,00372
2 5								
a								
*				12				
							3	
*								
^								
^								





	Assent	ly L-11	STS, = 5.415 575.	37.36
	Lateral:	.721+ 4.69	14 = 5.415 cm	1460
	Vertical :	,108+ 37.2	254 = 37.362 cm	
*	Part	: 1-129 les #	#); Buse Rate: 259.38X	0 00/5
Pat				
A Lutto	Table 3	6,005/1 (1054)	-ctor M-1 7-2 Fa 1x 10-1 15.88 27,072/1 5.8	182 110 4 15.75
(3,51)				
25.337	4,000	10211	29.55 42162 Ym = .09073 42519	29.78- /4-,04092
15.337	1,999 16	8509	42.41 7/952 Ym 2.02358 73003	42.47 1/m 4.02355
15.337	.800 114		93.00 156147 Vm 2.0108 161175	93.7) /m = .0107
a				
*	Ta's Roo	m= 69	#1=89 #2	289
15.337	.329 13.	20 144 9203 9	208-8 335-866 1/m=.00879 236062	209.5- Ym=,00+77
15.337	.144	358-3	\$27.3 681623 Ym=00234 736059	\$28.3 Ym = ,00233
)5,337	.077 199		7/5.7 1982210 1/m-0014 1/22222	711.1
	11	72296	/m-,0019 1/22222	142,0019
15.337	.016 112	46028 59608	1013 1277378 VM = .000987 U1715-74	998.3 Vm = .00100
	1/05	foon ~ 69	# /= 8-5	#2 = 69
,				

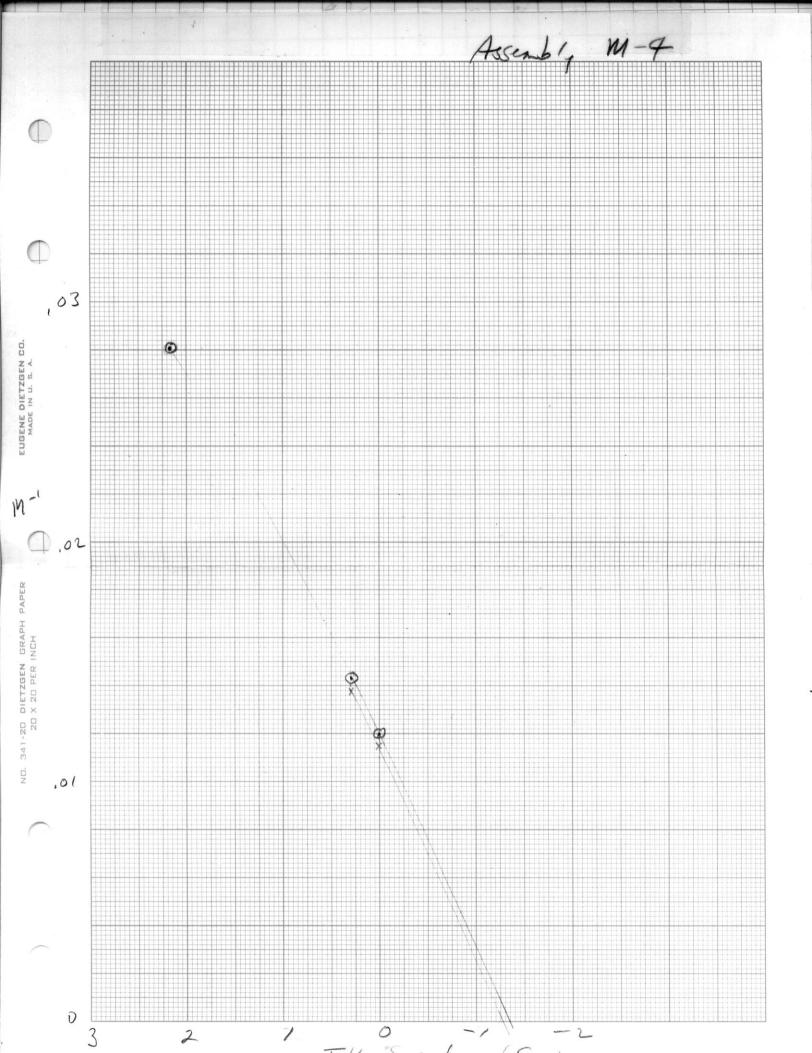




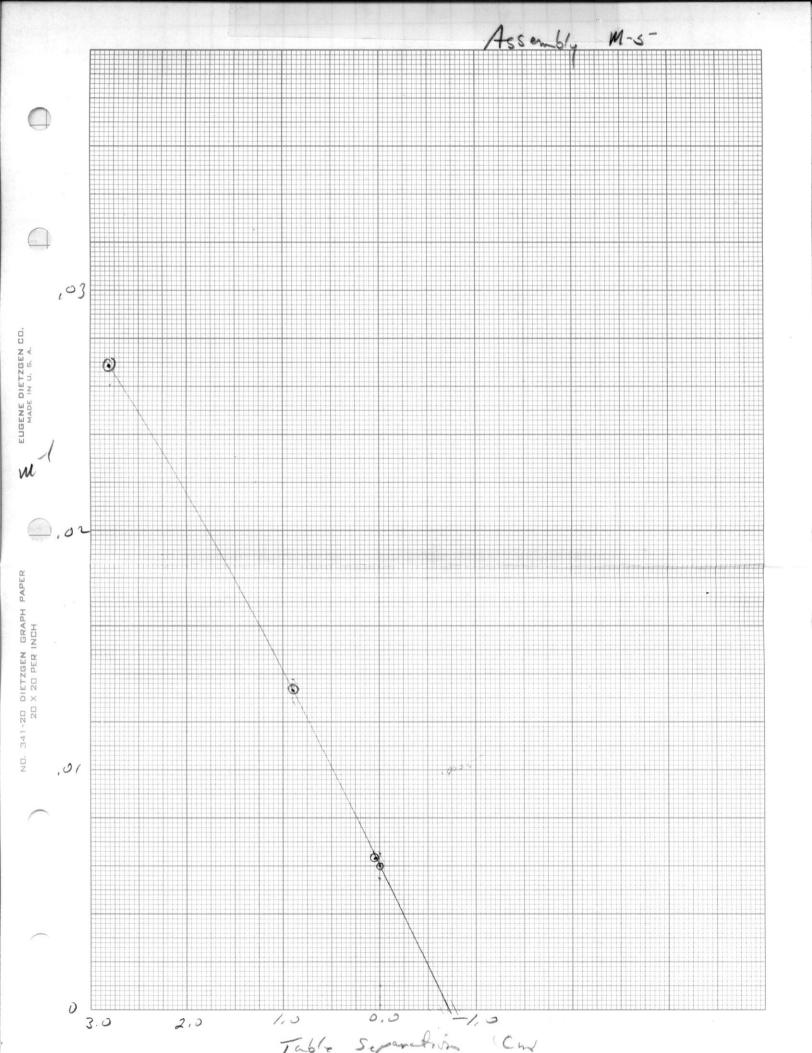
2/9/68 We are now going to do one more serves for the 43,6 kg have array with a different Z dimension to clerk the point a little off the cubical array dimension to determine the critical dimensions we boked at plots of V/V, VS CTCZ/CTCxq where V, equals the vol. of the cubical array (x=y=2). From this plot STSXy= 8.754cm STS2= 12.362cm Critical Dimercian To determine our screty armay limit we looked at plate of V/V, us c/cz/crczy where these values were for safety arrays with M210. Also we looked at CTCZ US CTCXy for safety array with M210. From these plots we determined our safety array limix as STSxy = 7.258 cm These plots are shown on the opposite page. We will remove 25 cm spacer from the last of the set up the STSZ for the next array new STSZ = 12.362cm The bottom spacing = 25, 15, 8, 3. 4

2/13/68 85 Assembly M-1: STSxy 2 12,157 cm STS3 = 12,362 cm 721 + 11,430 Lateral: = 12.15-Lan Vertical: 108 + 12.254 - 12.362c F== 129 /ass #7 Pos Partis Bac Ret: 7 25-9.38 x 105 1/5 1-1 Foctor M T-2
12777 6.1058x15 7.80 13205 Pos, Factor 5.8/82X10 7.68 7.947 9.80 16507 9.60 1605-5 0,004 #2 = 91 #1294 TIC'S R2 70 2/14/68 Assembly M-2: 5/5xy = 10.959 m 5/53 = 12.362ch 9.733 = 10.459 em . 721+ Lateral & Vertical : .108+ 12,254 12,36202 # 7 1-129 1285 Parts: Bare Pate: 259. 38 x105 1/5 E 6,1058x3 10.38 T-2 Factor M Pos T-1 17968 5.81821154 16998 7.951 10.45 16.04 27600 16,00 26266 1000 #1-88 #2=85 T/6 3 R = 70

2/15/63 86 9. 357 m ST52 = 12.362 cm M-3: SBXY Assembly .721 + 8.636 9.357cm 12.254 0108 + 12,362 ch 1-125 # > (255 259.33 X108 Base Rate: Factor Factor Pos T-2 6.1054×104 14.47 7.943 14.45 5,8182x159 24828 23707 149966 30,26 151976 30.50 162890 38,79 0,000 38.89 Mez.0257 66663 63693 #2-102 R 2 70 1/4's 9/ but M-3 : we. H Th 3 Assembl. frol element Factor M 6-1057x15x 39,69 Factor Pos 5,8182200 167532 65010 0.000 68456 1= 15,39 40,5-5 165902 40.77 168737 1m2,0245 19692 0,000 A 20,000



	2/16/68			87
	Ass embly	M-4: ST3 xy	2 9,001 5753	
<u></u>	Laturel:	721 + 8,280	= 9.001 cm	
* _	Vertace :	108 + 12,254	= 12.362 cm	
<i>t</i> —	Parts:	1-128 /ess #		
		: 259 (38 x1)5 h		
	Pos T-1 7,947 27667	Fector M 6,105 9x0-9 16.89	7-2 Factor 25921 5.8182x0	M 17.11
	2.170 157825	35.72 /m0280		35.47 m = .0282
-				
	0.298 11/8/5	69.83 Ym = , 61432	119886	69.75 Vm 2.01439
*	0.001 1133922	89.02 /m= .0119	139214	83.31 1m2.0120
			00 #12 92	72297
		M-4: Same	element on the	it the
		control		1-6/e
_	Pss, T-1 7,958 28262 A=16,353	10cho M	7-2 Factor 2965-1 5.882	M
-	2.059 60614 A=16,363 661358	37. FE	63685-	37.54
,		72.85	123983	72.18 Ym2,0139
_	A-16,353 119327			
	0.000 138591 A 215,353 142539	87.03 /m=.01/s	199960	86.57 /m = 1915
-	0.000 1/43959 A20.000 1/97697	90.17 Yu = .0111	15006-	/m = 19/15- # 2 = 9 (90.0/ /m = 10/1/



	2/10/10			
	2/19/68			88
	Assembly M	-5-: STEXY =	8,859 8753	- 12.362
w w	Lateral 1	. 72/ + 8.138	- 8.859 cm	
			0,00	
·	Verheire!	.108 4 12.254	- 12.362 cm	
*	Parte :	1-125 × 1e.	× # 2	
	Bise Kets:	259.38 XCDS	1/5	
-	2.	Parlor M	7-2 Facto	M
	Pos. 7-1 2.942 ,30449	4.1057×0° 18.70		18240- 18.68
	2.942 30449 A-15.355 V 30436		13/50/ 5.8	/m=,0535
	2 922 1/2822	27.38	162568	37.10
	2.800 160977 A=15,355 61218	Yup - 026	75-163772	37.10 1m = .02693
-				
_	A=15.355 122899	75,02	125708	75:02 You 2.01333
	7, 1/5, 343			
	Tes	2-70	# 1= 90	42=90
_	045 24665	158.40	1258780	158.75
	A = 15.355 259498	/m 2 ,006	3,272846	158.75 Vm - ,00629
_				1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
-	605 1260538 A-15.355 1271858	167.51	270169	166.16
	71 13.35 2 77 62 3	704 10001		
	-005 279680 A=.009 V296197	180,84 Ym - ,0055-	292990	181.05- Ym0055
_	AF.009 296197	/m = ,0055.	3 3 1 1 1 7 4	/m005's
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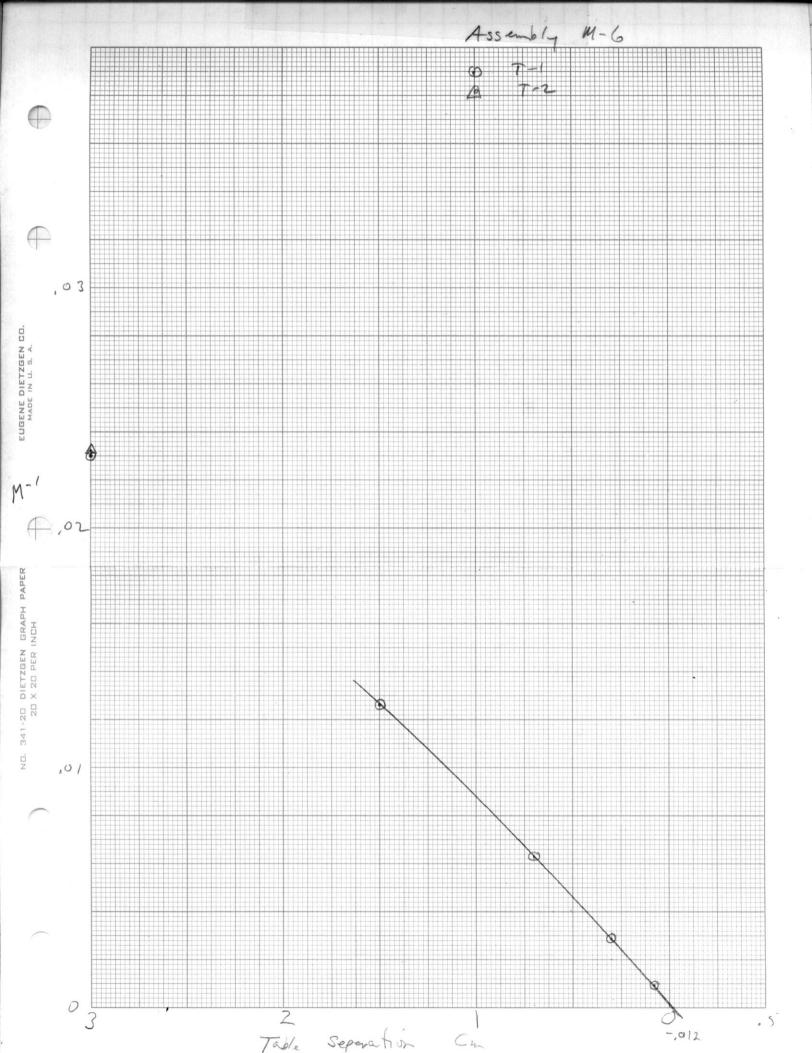
2/20/68 89 with Assembly two We M-6 re-run control positioned on 1 te state detectors Som the table top position 46.5 , M-51: San M-S Factor T=2 Foctor M \$5-3 T-1 M 55-4 Pos. 149811/5 6.1054 18.4 156878/5 5.8182 18.37 5229/5 4820/5 7.944 131378 964 A=15.397 1096 129962 2,800 307900/5 11076/5 2965795 (127/8/8-36.40,615-80 36.27 313/20/5 3/1296/5 A=15397 159314 62347 11259/5 12996/5 2244 2592 582996/5 23775/5 0 900 72.33 609803/5-72.73 27023/5-A=15.347 125011 116589 5405 4755 9869 12/3/852 198.44 241 787 .045 197.3311332 25-4084 A=15.397 155.85 253034 2146 10637 292863 AZ16.347 6255269 not ased The The 22 40 com are too much so reduced have was we 40 10 volt +0 scaler max

2/21/68 90 of cherkout Wien the 25 H. continue detectors Pos. Pot -1 Factor M F-4 M T-2 Factor 55-3 F-3 SS -R 157.86 12545/5 0.000 1233389/56,1054 158,42 1286742/5 5,848 2 11752/5-630 x10 2350 6.73×15 A-15,353 ,24-6677 257348 2509 1259468 127/32/ .501 767895/5 96.74 802081/8 94.93 7223/5-7720/5 1544 6.26×15 1445 6.67×15 A=15.3 153579 160416 70.14 1171686/10 10735/10 69,8/ 11032/10 1,000 1122939/10 6,39 1112254 A2153 1117170 6.52 1074 1103 46.51 7036/10 96.40 786881/10 7475-/10 2,00\$ 751803/10 6.61 A=15,3 175780 26325 747.5 6.23 28684 703.6 2823/10 667 2770/10 7,968 306782/10 18.84 321575/10 18.83 4.80 6-67 277.0 A e/5,3 ,30678 132/54 430866 T/0's SS defectors the M T-2 Factor T-1 Factor M 164.91 164.81 0.000 257054 , 268096 In = 00600 283273 A215.353 \$ 270098 4 % decrease in There is the detector & support, The additate will now replace 55 the 4 See We counts reproduce The we can 55. 8 55-3 Pos. T-1 40 0,000

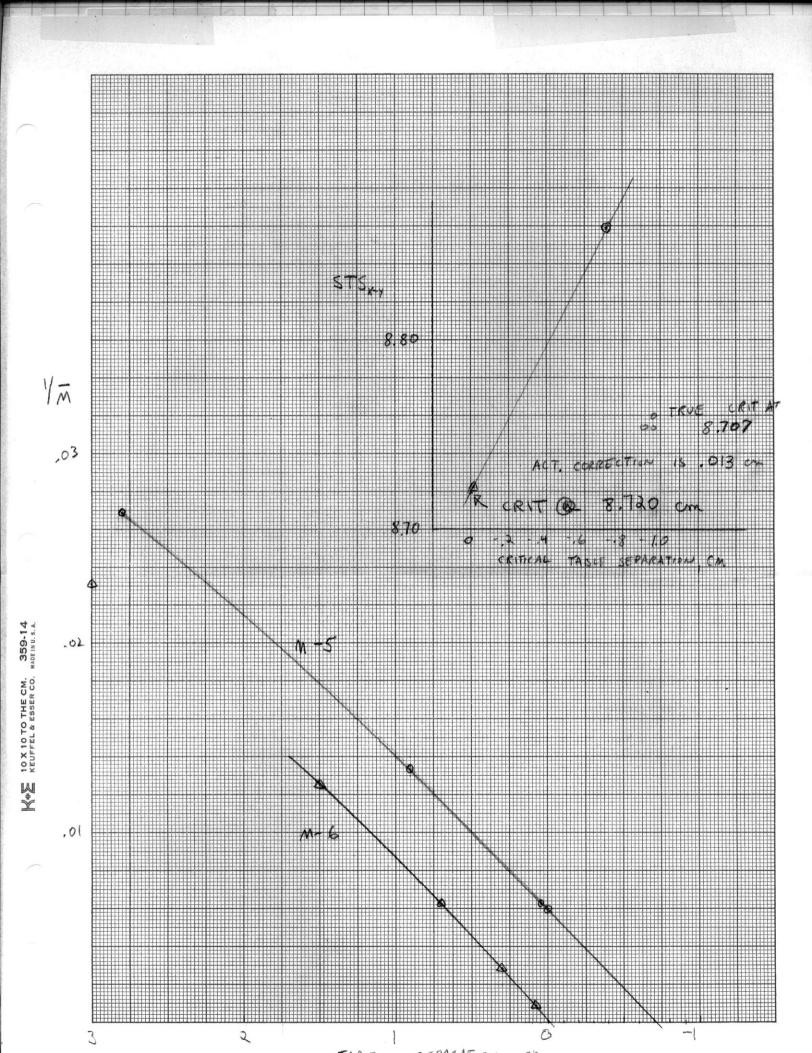
2/22/68 91 reproduce 11:00 10 the 22 counts Pos. 19 25 - 3 55-8 T-2 13077/5 1236108/5 158.8 1251569/5 12236/5-0.000 247211 12827/5 A =15 .357 12/42/5-1260008 2590 2438 6.10x152 6,98Kis between cols 11x12 we will now the 55 mese lack of center 11 412 between 6 We could not dae Separation at plane. located it shill hole, but we the 7-2 55-8 M w 55-3 11623/5 11073/8 1347356/5 0,000 1307071/5 11596/5-A >15.357 13/2603/8 1321787/5 11243/5-The 22 between placed was 55-3 SS-8 M Pos M 11671/5-1346377/5-1289666/5 10485/5 0000 placed s Lu we 25 22 was 00 B 13 90 22 @ 0 0 55-8 Pos M 55-3 1372311/5 1316063/5 12453/5 13999/5 0,000 5 how " SS We w!11 how place 25 0 0 0 0 32 Pos T-2 55-3 55-4 1321575/5 15265/5 14328/5 1266737/5 0.000 1332858/5-14321/5 12757/1/5

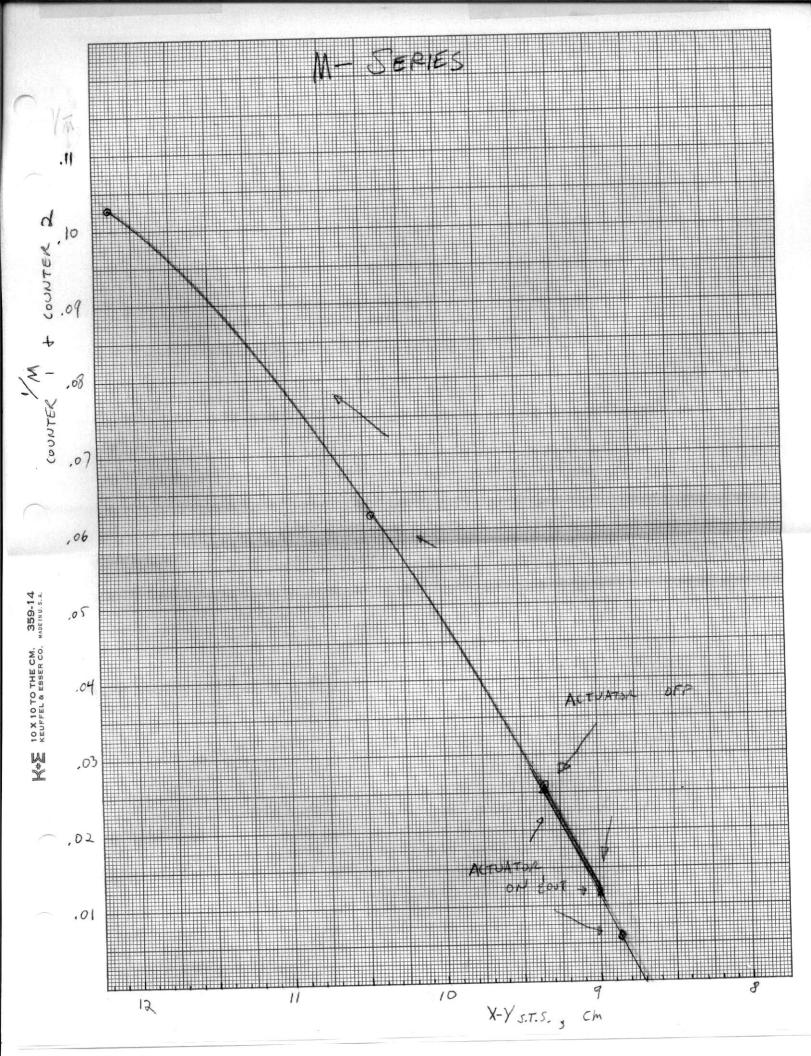
w! !! 22 0 now 92 reperto. X 55-3 Pos 13028/5-1294932/5 12001/5-1237763/5 0,000 He ast 2/23/68 We ne-ru ا، Pos 55-8 55-3 27633/5 11801/5 1219663/5 124/8 0,000 1226390/5 11869/5 1280828/5 128 83/5 placed TL 55 SLOWA 05 E -0 Pos T-2 25-4 55.3 14975/5 1337193/5 13378/5 1279971/5 0.000 1343831/5 14643/5 13677/5 1286563/5 1289125/5 14796/5 13521/5 1395594/5-YL oatside 55 40 move was 010 6.106-6 5.818 T-2 55-4 M cs-3 TH 169.22 137 8239/5 13567/5-169.6 18658/5 1315 858/5 1263179 2930.8 2713.4 274843 5.78x52 V277790 1290843 6.2980 8865/5 8170/5 100.6 832414/5 100.2 797879/5 1501 1773 1634 1,72217 A 2 15 159575 6. 19x0 5.66 X10 164833 11652/00 12/0/62/10 1157686/10 72.36 72.16 12938/10 1,000 1115769 1293.8 A 215, 6.20

3			<i>y</i>	***		20 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
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SS a Support and we will how nonova 94 re-nu 7-2 Pod 55-3 SS-R 25569 \$ 169.52 246618 163.86 0.000 269468 28/428 2/27/18 array may in this series continue with the last Assembly M-6: 815xy = 8,722m S15g = 12.362cm 1ateral: 1721+ 8.001 2 8.722 cm Vertico? . 108 + 12, 25 + 7 12, 362 cm Parts: 1-128 /ess 7 Base Rote: 259, 38 X105 7/5 Pos. T-1 Fector 11 M 7989 33026 6.1054x5 20.30 A:15:39 133245 Ym-,0993 Factor 7-2 5. 8182×10-× 20.10 139303 VM-,0993 V34591 /m = 0998 3,000 170090 43,40 173/21 43.17 /m = ,0230 19420 /m = . 023-A=15.896 71085 1.500 1126831 79.95 132951 79.87 1m2,0126 11865-84 /m = ,0/26 700 248853 159.90 1259932 15533 15.346 V261895 Vm = ,006257 274189 1/42,00626 R=72 #1-91 #22 92 ,300 352.13 536496 Vm - ,00284 600981 517120 349.66 V576758 15.346 /4 = ,00286 1092.60 1318763 1m= ,000915 1791310 11317831 180, 1042.22 15.346 Yu = ,00086





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