

DATE 5-25-77

Range 26.6

$\% N_2$ 0.3

11

673-8

TABLE IX & X

LINE		1	2	3	4		1	2	3	4
1 O _m	S1	0.482	0.642	0.891	1.104	S8	0.482	0.642	0.891	1.104
2 T _w (W.H. °R)	524	528	530	532	534					
3 T _s (B.H. °R)	603	600	598	596	594					
4 T = ($\frac{1w + Ts}{2}$)	563.5	564	564	564	564		564	564		
5 Z (Est.)	.8035	.80	.795	0.790	.785		.797	.794		
6 TZ	452.77	451.20	448.38	445.56	442.74		449.508	447.816		
7 GH/TZ	11.9303	11.9925	12.048	12.124	12.201		12.018	12.063		
8 e ^s (Table XIV)	.565	1.5667	1.5711	1.5756	1.5802		1.56935	1.5720		
9 1-e ^s (Table XIV)		0.3617	0.3635	0.3653	0.3672		0.3628	0.3639		
10 P _t	2775.2	2652.2	2586.2	2473.2	2349.2		2652.2	2586.2		
11 P _t ² /1000		7034.16	6688.43	6116.72	5509.35		7034.16	6688.43		
12 F _r (Table XV) $G_{\text{eff}} = .0375 \frac{F_r}{P_t}$	.44756	.44897	.45179	.45465	.45755		.45066	.45236		
3 F _c = F _r TZ		7585	75377	74903	74429		75567	75282		
14 F _c Q _m			3.656	4.8392	6.6739		3.6423	4.833		
15 L/H (F _c Q _m) ²			13.367	23.418	44.540		13.266	23.359		
16 F _w =L/H (F _c Q _m) ² (1-e ^{-S})			4.84	8.51	16.27		4.81	8.50		
17 P _w ² = P _t ² + F _w			7039.0	6696.94	6132.99		7038.97	6696.93		
18 P _s ² = e ^s P _w ²			11028.0	10521.56	9663.14		11046.6	10527.6		
19 P _s			102.3.2	3320.8	3243.7		3323.6	3244.6		
20 P = ($\frac{P_t + P_s}{2}$)			3113.7	2986.5	2914.9		2987.9	2915.4		
21 P _r =(P/P _{cr})			4.618	4.431	4.325		4.433	4.326		
22 T _r =(T/T _{cr})			1.523	1.524	1.524		1.524	1.524		
23 Z (Table XI)			.835	0.797	0.790		0.785			

$$G_{max} = 1.618 + \frac{4.595(1.7575)}{127000} = 1.618 + \frac{0.008072}{127000} = 1.618$$

$$f_1 = 1.618297 \dots = 1.618034$$

$$(15.1005 \dots \text{m})$$

$$16.1005 \dots$$