TEST ERROR

A) SEGREGATE BY # OF REPLICATES

B) FIND RANGE OF LOGS (LOG HI - LOG LOW) FOR EACH

C) ~~AVG~~ FIND AVG

D) MULT BY APPROPRIATE FACTOR

.886	2
.591	3
.486	4

TO → STD DEV EST

E) (EST STD DEV)^2 = VARIANCE

F) MULTIPLY V BY # OF ITEMS FOR EACH GROUP

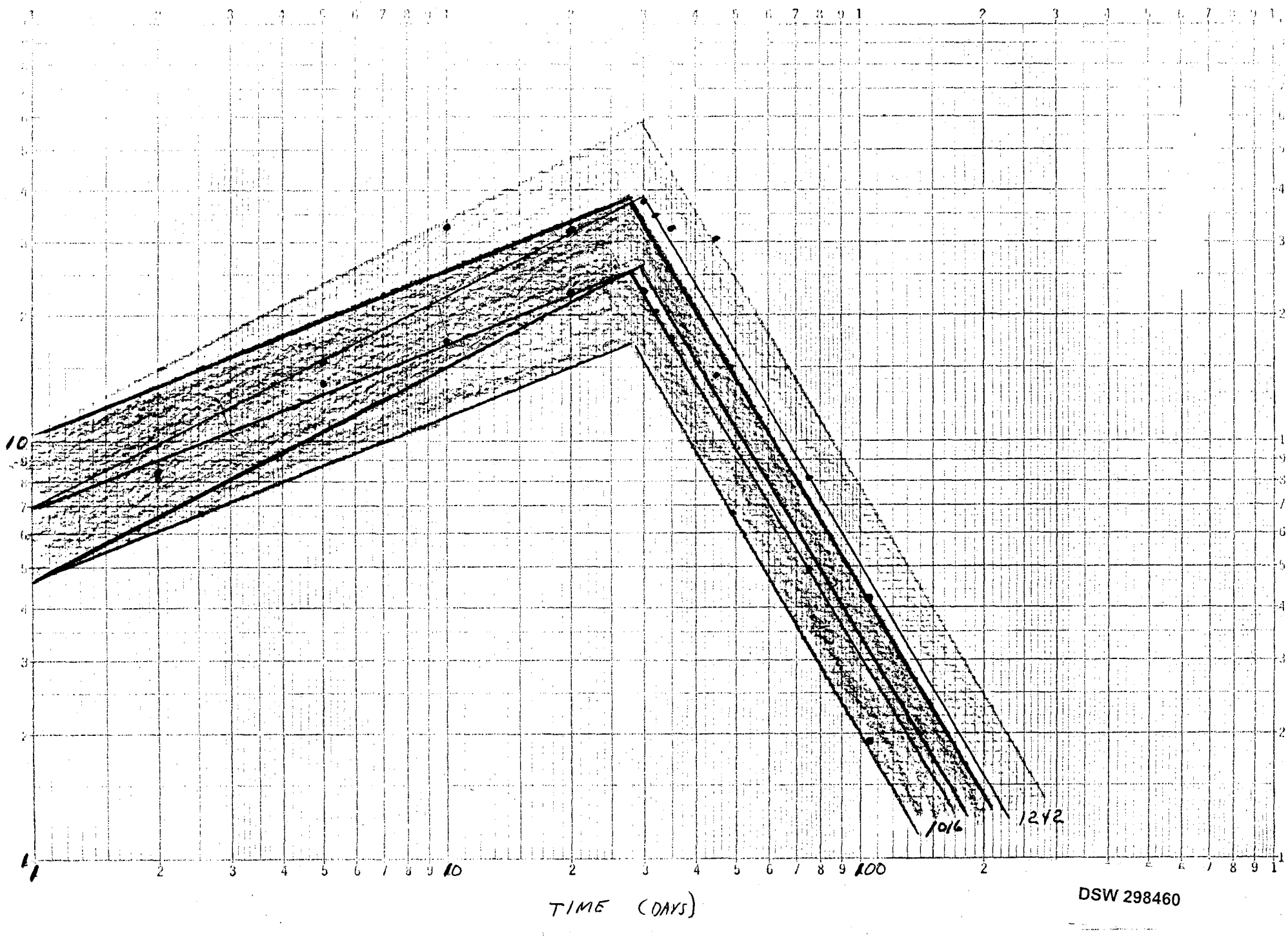
G) ADD V's X #, DIV. BY TOTAL #

H) $\sqrt{\quad}$ = EST STD DEV (RMS)

I) 95% LIMITS = ± 2 σ

J) TABLE ANTILOG

DSW 298459



DSW 298460

STLCOPCB4068372

$\bar{m}$ =

2	3	4
.012	.145	.112
.047	.166	.112
.025	.156	
.119		
.031		
.053		
.042		
.052		
.048		

SD .042 .092 .054

.00176 .00846 .00242

.00141 .0169 .0029

.0339 / 4

= .00308

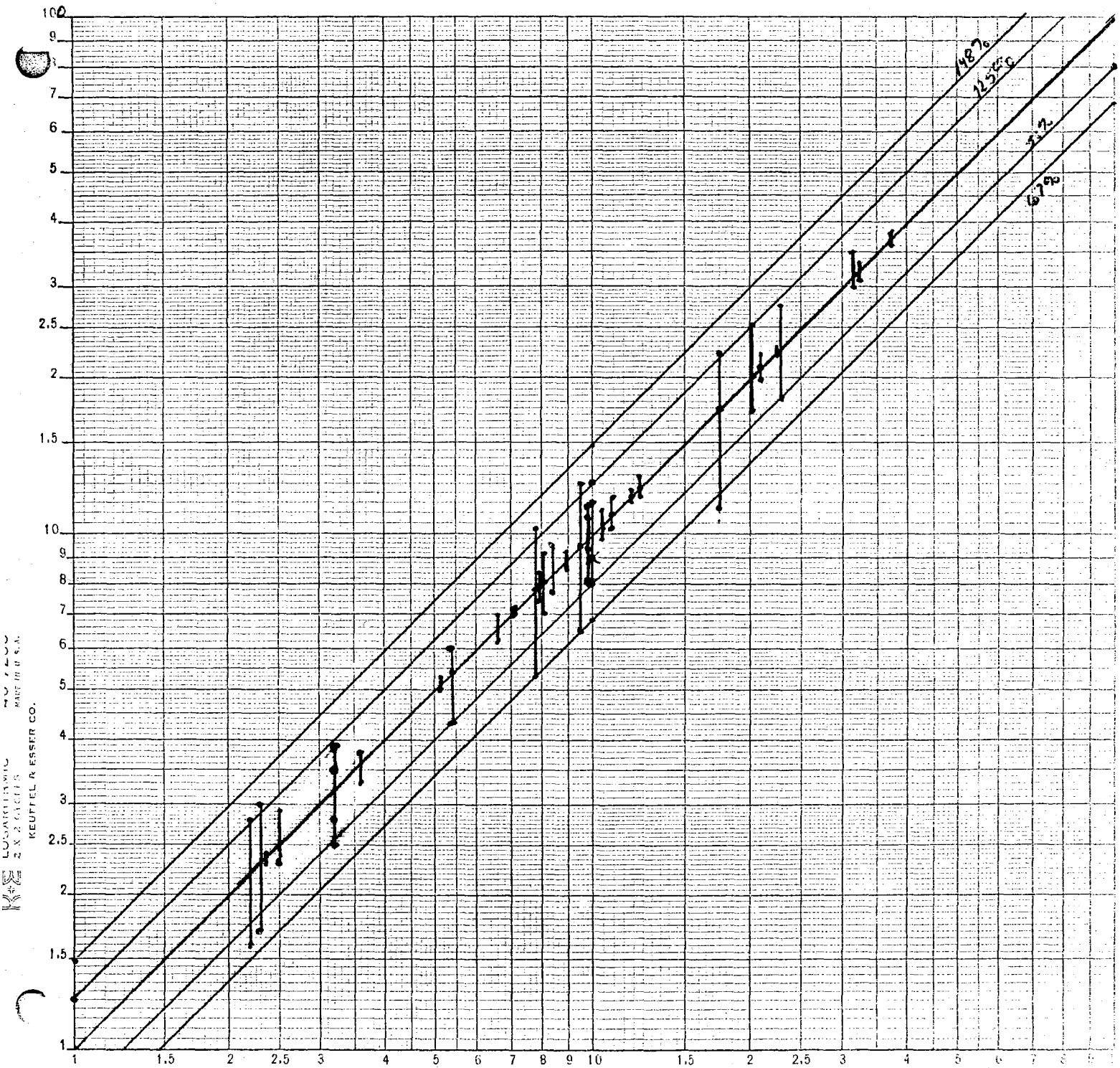
$\sqrt{}$ = .05514

2X = .111028

129

77

DSW 298461



DSW 298462

2	3		4
.058	.071		.112
.047	.026		
.025	~~.119~~		.054
~~.035~~	.035		
~~.071~~	.166		
~~.026~~	.299 ←		
~~.119~~			
.119	.119	.0745	
.018			
.053	.070	.0440	
.031			
.004			
.186			
~~.166~~			
.060			

$1^2 4^2$ & 1016

ESD .053

V .002809 X 9 .0049 X5 .001938 .002916

= .025281 .0245 .0077 .0029

Σ .0527 ÷ 15 = .003513

$\sqrt{\ }$ = .05927

.0359 ÷ 14 = .002564 X2 = .11855

.05064 131 %

.101278 ↕

126% 74%

↕

79%

DSW 298463

STLCOPCB4068375