By AK-M NARA, Date 5/5/11

MAE Computation - 1000-lb. GP - Fuzed .01 Nose; ND Tail

1000-lb GP .01 Nose ND Tail	TARGET	Bomb No	Area of Damage	Character (a-Air Burst c-Crater) Bldg Class (B)	Bldg No.	Area of Structural Damage 1000 Sq. Ft.	Area of Bldg 1000 Sq. Ft.	Fraction of Structural Damage 1000 Sq Ft. (F)	Area of Bldg + N.M Area 1000 Sq Ft.	No of Bombs on Bldg + N.M. (M)	Density of attack Bombs/1000 Sq ft	MD	MAE 1000 Sq ft/Bomb
	Kawanishi Acft Naruo	148 ·	3000	B-2 steel a				.39	208.6			.55	
	(90:25-18)	122 ·	3600	" a	1	67.2	174.2	~~.64~~	~~[illegible]~~	29	.14	.50	3.60
	Report # 113	123 ·	7000 12	" c	2	22.9	87.2	.26	102.4	6	.059	.30	5.10
	Fig 2	83 ·	1400 6	" c	46	17.4	50.9	.33	71.3	8	.11	.40	3.60
		138 *	3600	" a	96	20.7	107.8	.19	127.4	8	.063	.215	3.40
		256 *	1500	" a	4	128.2	420.1	.30		51	.113		wtd. MAE: 3.75 M sq ft/bomb = 7.50 M sq ft/ton
		253 *	2400 9	" c									
		236 *	2000 7	" c	1	} omitting N.M area					.17		2.95
		241 *	1200	" a	2						.069		4.35
		242 *	900 1	" a	46						.16		2.50
		246 *	1800	" a	96						.075		2.90
		245 *	1800	" a									
		233 *	1800	" a	16 Separate bombs not included in Binomial - Average Area Damaged								3.13
		234 *	2000 8	" c	8 Buildings (not all bombs in each building used)								
		238 *	4500	" a									
		217 *	4900	" a									
		208 ·	6400 11	" c									
		216 ·	1200 5	" c									
		215 ·	0 1	" c									
		136 ·	0 2	" c									
		171 ·	0 3	" c									
		208 *	9000	" a									
	Kawanishi Acft - Takarazuka	41 ·	3000 80	" c	33	19.2	137.0	.14	1734	10	.058	.16	2.80
	(90:25-2137)	40 ·	3000	" a	45	33.8	60.3	.56	81.5	13	.16	.82	5.10
	Report # 109	387 *	3200	" a	56	37.9	82.2	.46	114.2	12	.105	.62	5.90
		388 *	4500	" a	3	90.9	279.5	.33		35	.112		wtd. MAE 4.71 M sq ft/bomb = 9.42 M sq ft/ton
		390 ·	0 4	" c	7	219.1	699.6	.31	Grand total	86	.113		Weighted MAE = 4.15 M sq ft/bomb = 8.3 M sq ft/ton
		399 ·	1300	" a									
		386 *	5000	" a									
			Total 80000		15					102			8.1 M Sq Ft/ton
			AV. = 2,760										2.76 (Average of all D.H Bombs whose area ~~[illegible]~~ could be determined) } 29 Bombs
			Mean (from Curve) 3,070										3.07 (~~[illegible]~~ Mean from Curve)
			*-Bombs not included in Binomial Calc.										
	16 Bombs		total - 50,100										
			AV. 3,130										
	Kawanishi Acft - Naruo	D.H All Bombs in	~~[illegible]~~ E-2	a	~~4,5~~,45	12.15 (Total 3 Bldgs)	442.2 (Total)-3 Bldgs						1.20 (Av of D.H)
	Report # 108	Bldgs 4, 5, 45	1200										
		(10 Bombs) [Reinf Conc Bldgs]	(Average per Bomb of Direct Hits)										
		2 N.M. Bombs	(Av) 1100	c	45	2.2							1.50 (Binomial)
		Conc. Bldgs				14.35	442.2	.031	478.8 (Floor Area + N.M Area)	12	.025	.038	
						7.35 roof	147.4						
						7.0 floor							

Reinf Conc. Bldgs Heavy Const. - 3 story Bldgs.

7