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[WT-1321 supp]

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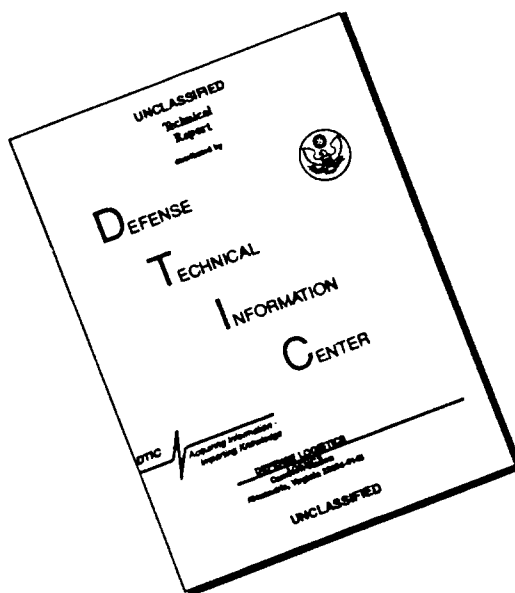
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TABULATED GAMMA DOSE RATES AND DOSES FOR YAG's 39/40 at OPERATION REDWING

The gamma dose rates and doses have been arbitrarily tabulated using three significant figures in most cases. This is being more than optimistic, actually only two significant figures are warranted under the best of conditions. The three significant figures do permit study of relative variations for any given station, these relative values being more accurate than the absolute values.

In the cases where data is not presented for a particular station for a particular shot the reason is that either the values were too close to background or a calibration correction could not be assigned with confidence. It is estimated that on the average the data is accurate to within plus or minus 15 per cent. In general the accuracy is better for the highly contaminating events than for those events in which the background is a significant fraction of the total radiation level.

Heinz R. Rinnert

Refer to ITR-1321 or WT-1321
"Ship Shielding Studies", Operation Redwing,
for details of station designation,
location, geometry, etc.



Defense Nuclear Agency
6801 Telegraph Road
Alexandria, Virginia 22310-3398



ISST

15 May 1996

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER
ATTN: OCD (Mr. Bill Bush)

SUBJECT: WT-1321-Supp

The Defense Nuclear Agency Security Office (OPSSI) has reviewed and approved for public the subject report:


WT-1321-Supp
Tabulated Gamma Dose Rates
and Duser for VAG's 39/40 at
OPERATION REDIWING.
19 March 1957

This office does not show DTIC on the distribution list. Therefore, a copy is enclosed for your inclusion into the DTIC system.

Notification of your assigned accession number would be greatly appreciated.

Enclosure:
A/S


for Naomi Fields
ARDITH JARRETT
Chief, Technical Library



TABULATED DOSE RATES

YAG 39

SECT ZUNI



Dose Rate - YAG 39 - Zuni

Sta. 9		Sta. 13		Sta. 14	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
12.7	0.559	13.0	3.24	13.0	3.00
13.1	0.706	14.0	4.86	14.0	4.05
13.6	0.765	15.0	6.66	15.0	5.45
14.1	0.926	16.0	13.1	16.0	9.20
15.1	1.47	17.0	17.2	17.0	12.3
16.1	2.96	18.0	25.4	18.0	17.1
17.1	4.29	19.0	31.8	19.0	21.1
18.1	6.54	20.0	34.2	20.0	23.1
19.1	8.36	21.0	34.9	21.0	26.2
20.1	9.42	24.0	37.4	24.0	26.2
21.1	10.2	25.0	37.6	25.0	26.2
22.1	10.2	29.0	36.3	29.0	27.2
23.1	10.8	30.0	36.2	30.0	27.2
24.1	11.1	31.0	34.6	31.0	26.2
25.1	11.4	32.2	33.5	32.2	25.2
27.1	11.8	42.0	26.3	42.0	19.1
29.1	11.3	48.0	21.8	48.0	15.1
30.1	11.3	49.0	20.8	49.0	14.9
32.1	10.5	50.0	19.9	50.0	14.1
34.1	10.2	52.0	19.8	52.0	13.6
36.1	8.96	66.0	15.8	66.0	10.5
38.1	8.51	68.0	15.4	68.0	10.2
40.1	8.21	69.0	14.9	69.0	10.0
42.1	7.74	70.0	14.6	70.0	9.70
46.1	6.54	72.0	14.2	72.0	9.60
50.1	6.25				
54.1	5.64				
58.1	5.19				
62.1	4.89				
66.1	4.60				
70.1	4.29				
74.1	4.14				
78.1	4.00				
80.5	3.85				



Dose Rate - YAG 39 - Zuni

<u>H + hr</u>	<u>Sta. 17</u> <u>mr/hr</u>	<u>Sta. 18</u> <u>mr/hr</u>	<u>Sta. 19</u> <u>mr/hr</u>	<u>Sta. 20</u> <u>mr/hr</u>	<u>Sta. 22</u> <u>mr/hr</u>	<u>Sta. 23</u> <u>mr/hr</u>
20	0.497	1.33	22.1	8.41	0.069	3.27
24	0.540	1.42	24.3	8.95	0.072	3.54
30	0.497	1.33	24.3	8.80	0.069	3.27
40	0.355	0.943	18.3	6.32	0.0442	2.45
50	0.187	0.573	12.3	4.24	0.0176	1.55





Dose Rate - YAG 39 - Zuni

Sta. 25		Sta. 28		Sta. 68	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
12.7	0.281	16.8	0.456	16.7	1.21
13.1	0.445	17.1	0.500	17.4	2.37
13.4	0.511	18.1	0.750	17.7	4.51
13.7	0.545	19.1	0.912	18.0	5.72
15.0	0.834	20.1	0.912	18.4	3.96
16.0	1.58	21.1	1.03	20.2	1.98
17.0	2.06	22.1	1.00	20.9	4.18
18.0	3.15	23.1	1.00	21.2	4.56
19.0	3.65	25.1	1.03	25.0	1.55
20.0	4.16	27.1	1.06	27.1	2.95
22.0	4.32	28.1	1.03	29.9	1.31
24.0	4.65	29.1	1.00	42.0	1.57
25.0	4.49	31.1	0.955	54.0	1.49
27.0	4.65	33.1	0.809	66.0	1.25
30.0	4.32	35.1	0.779	78.0	1.13
31.1	4.16	37.1	0.735		
33.0	3.65	39.1	0.720		
36.0	3.43	41.1	0.661		
39.0	3.24	42.6	0.617		
40.0	3.15	43.1	0.515		
44.6	2.24	47.1	0.485		
50.0	2.14	50.1	0.456		
55.0	1.90	53.1	0.441		
60.0	1.73				
66.0	1.62				
69.0	1.52				





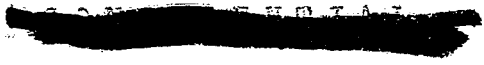
TABLETED DOSE RATES
YAG 40

Shot Zumi



Dose Rate - YAG 40 - Sumi

Sta. 2		Sta. 9	
H + hr	mr/hr	H + hr	mr/hr
3.95	0.806	3.37	2.28
4.08	1.26	3.57	16.8
4.32	2.91	3.73	44.2
4.57	6.15	4.07	129
5.07	10.9	4.37	470
6.07	19.0	5.07	1480
7.07	23.4	6.07	3340
8.07	14.7	7.07	1660
9.07	10.8	8.07	1360
11.1	8.48	9.07	1240
14.1	6.93	11.1	966
15.1	5.54	14.1	754
16.1	5.96	18.1	588
17.1	6.15	22.1	478
18.1	3.36	26.1	404
18.3	2.75	30.1	340
19.1	1.90	42.1	233
20.1	1.46	54.1	181
22.1	1.09	66.1	129
26.1	0.821	78.1	105
30.1	0.664		
42.1	0.426		
54.1	0.349		
66.1	0.282		
78.1	0.242		



Dose Rate - Sta. 3 - YAG 40 - Zuai

<u>H + hr</u>	<u>mr/hr</u>
3.78	7.14
4.07	16.9
4.32	42.4
4.57	64.1
5.07	164
5.20	193
5.50	225
5.77	247
6.02	264
6.22	279
6.43	272
6.67	258
6.90	241
7.18	193
7.57	164
8.07	142
8.57	130
9.07	119
10.1	96.8
11.1	85.9
12.1	80.4
13.1	74.8
14.1	64.1
15.1	64.1
16.1	60.8
17.1	54.3
18.1	53.3
19.1	50.0
20.1	47.9
21.1	45.7
22.1	43.6
23.1	42.4
24.1	41.4
26.1	37.1
30.1	32.9
42.1	34.8 ?
54.1	19.0
66.1	15.0
78.1	12.6

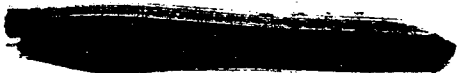




Dose Rate - Sta. 13 - YAG 40 - Zumi

<u>H + hr</u>	<u>r/hr</u>	<u>H + hr</u>	<u>r/hr</u>	<u>H + hr</u>	<u>r/hr</u>
3.53	0.0165	8.32	6.20	22.1	2.28
3.63	0.0318	8.57	6.02	24.1	2.10
3.70	0.0386	8.82	5.76	26.1	1.92
3.77	0.0722	9.07	5.67	28.1	1.75
3.85	0.0847	9.32	5.49	30.1	1.66
3.97	0.128	9.57	5.31	34.1	1.49
4.05	0.165	9.82	5.13	38.1	1.31
4.17	0.249	10.1	5.13	42.1	1.17
4.32	0.480	10.6	4.68	46.1	1.11
4.57	0.957	11.1	4.41	50.1	0.940
4.77	1.31	11.6	4.14	54.1	0.844
4.95	1.92	12.1	3.97	58.1	0.740
5.08	2.37	12.6	3.97	62.1	0.679
5.25	3.25	13.1	3.70	66.1	0.635
5.40	4.06	13.6	3.61	72.1	0.583
5.57	4.58	14.1	3.34	78.1	0.539
5.73	5.67	14.6	3.43	80.1	0.495
5.90	5.76	15.1	3.25		
6.07	6.20	15.6	3.07		
6.32	6.75	16.1	3.07		
6.57	7.57	16.6	2.98		
6.82	7.57	17.1	2.90		
7.07	7.29	17.6	2.81		
7.32	7.20	18.1	2.72		
7.57	6.94	19.1	2.62		
7.82	6.66	20.1	2.45		
8.07	6.30	21.1	2.36		





Dose Rate - Sta. 14 - YAG 40 - Zuni

<u>H + hr</u>	<u>r/hr</u>	<u>H + hr</u>	<u>r/hr</u>	<u>H + hr</u>	<u>r/hr</u>
3.53	0.0165	8.07	3.96	20.1	1.40
3.63	0.0318	8.32	3.96	21.1	1.31
3.70	0.0412	8.57	3.69	22.1	1.27
3.77	0.0722	8.82	3.43	24.1	1.17
3.80	0.0972	9.07	3.34	26.1	1.04
3.98	0.165	9.32	3.25	28.1	1.00
4.05	0.204	9.57	3.07	30.1	0.965
4.18	0.319	9.82	2.89	34.1	0.844
4.32	0.515	10.1	2.81	38.1	0.757
4.53	0.932	10.6	2.63	42.1	0.687
4.73	1.36	11.1	2.45	46.1	0.626
4.93	1.70	11.6	2.37	50.1	0.583
5.08	2.10	12.1	2.19	54.1	0.531
5.25	3.07	12.6	2.11	58.1	0.479
5.40	3.70	13.1	2.11	62.1	0.435
5.57	4.14	13.6	2.01	66.1	0.409
5.73	4.41	14.1	1.92	72.1	0.374
5.90	4.85	14.6	1.83	78.1	0.348
6.07	5.31	15.1	1.83	80.1	0.305
6.32	5.21	15.6	1.75		
6.57	6.03	16.1	1.66		
6.82	6.12	16.6	1.66		
7.07	6.12	17.1	1.57		
7.32	5.31	17.6	1.57		
7.57	5.31	18.1	1.49		
7.82	4.85	19.1	1.49		



Dose Rate - YAG 40 - Zuni

<u>H + hr</u>	<u>Sta. 16</u> <u>mr/hr</u>	<u>Sta. 17</u> <u>mr/hr</u>	<u>Sta. 18</u> <u>mr/hr</u>	<u>Sta. 20</u> <u>mr/hr</u>
6	4870	139	331	2180
10	3870	78.2	207	1540
15	2300	43.0	119	-
20	1790	29.3	83.6	-
25	1470	24.2	64.1	-
30	1270	19.2	52.3	-
40	930	13.0	37.0	354
50	748	9.93	29.1	253
60	540	7.33	23.6	187
70	452	6.11	16.6	162

<u>H + hr</u>	<u>Sta. 21</u> <u>mr/hr</u>	<u>Sta. 22</u> <u>mr/hr</u>	<u>Sta. 23</u> <u>mr/hr</u>
6	1490	22.1	900
10	900	11.7	592
15	577	6.53	363
20	412	4.40	254
25	329	3.47	201
30	268	2.69	155
40	189	1.90	111
50	150	1.41	87.0
60	103	1.10	62.0
70	89.1	0.902	52.7

Dose Rate - Sta. 25 - YAG 40 - Zuni

H + hr	mr/hr	H + hr	mr/hr	H + hr	mr/hr
3.50	2.00	7.38	768	26.0	156
3.55	3.45	7.58	704	28.1	141
3.60	4.55	7.73	678	30.0	132
3.63	5.50	7.97	639	32.0	122
3.67	6.79	8.35	575	34.1	116
3.70	7.90	8.82	561	36.1	107
3.73	10.2	9.05	536	38.1	103
3.77	12.1	9.55	497	40.1	95.8
3.82	14.4	10.1	459	42.0	90.7
4.27	65.0	10.6	432	44.2	86.9
4.42	97.0	11.1	407	46.1	81.3
4.53	125	11.6	382	48.0	76.8
4.63	149	12.1	355	50.0	75.6
4.78	190	12.6	343	52.1	70.5
4.90	222	13.1	330	54.1	65.5
5.02	253	13.6	318	56.1	61.1
5.13	318	14.1	305	58.0	56.7
5.25	419	15.1	279	60.0	55.4
5.40	472	16.1	279	62.1	53.3
5.72	574	17.0	253	64.1	51.2
6.00	638	18.1	216	66.1	48.5
6.30	640	19.1	221	68.1	46.6
6.45	768	20.1	203	70.0	46.6
6.67	794	21.1	195	72.2	44.9
6.80	834	22.1	186	74.2	44.2
7.00	768	23.1	180	77.1	41.2
		24.0	170	79.6	39.3

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Dose Rate - Sta. 26 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.40	0.586	13.6	1.58	47.8	0.280
4.62	0.953	14.0	1.52	50.3	0.262
4.78	1.25	14.6	1.41	52.4	0.246
5.10	2.02	15.1	1.35	53.7	0.238
5.32	2.79	15.6	1.28	55.9	0.221
5.58	3.36	16.0	1.23	58.3	0.211
5.83	3.76	16.6	1.22	60.0	0.206
6.05	4.08	17.0	1.21	61.7	0.201
6.32	4.20	17.5	1.06	64.2	0.194
6.58	4.78	18.1	0.984	66.1	0.189
6.83	4.76	19.1	0.864	67.9	0.180
7.05	4.54	20.1	0.797	69.8	0.175
7.33	4.20	21.0	0.750	71.8	0.170
7.60	3.77	22.1	0.694	73.8	0.165
7.82	3.61	23.1	0.660	75.9	0.159
8.08	3.15	24.0	0.636	79.3	0.148
8.30	3.11	26.0	0.563		
8.58	2.99	28.1	0.520		
9.07	2.74	29.9	0.475		
9.60	2.50	32.1	0.434		
10.0	2.33	34.2	0.408		
10.6	2.19	35.9	0.384		
11.1	2.03	38.2	0.364		
11.6	1.87	40.2	0.347		
12.0	1.77	42.2	0.325		
12.5	1.69	44.3	0.304		
13.1	1.61	46.1	0.296		

~~SECRET~~

~~SECRET~~

Dose Rate - Sta. 28 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
3.57	1.40	12.1	100	40.1	27.8
3.75	4.17	12.6	95.5	42.1	26.8
4.07	9.52	13.1	90.7	44.1	25.3
4.32	24.4	13.5	88.0	46.1	24.4
4.57	45.3	14.1	83.2	48.1	22.6
4.82	67.7	14.7	79.8	50.1	21.8
5.07	94.6	15.0	78.0	52.1	20.9
5.35	134	15.6	75.2	54.1	19.4
5.57	154	16.1	72.3	56.1	18.6
5.82	175	16.6	70.2	58.1	17.3
6.05	190	17.0	68.5	60.1	16.1
6.33	200	17.5	66.0	62.1	15.6
6.57	221	18.1	63.3	64.1	15.2
6.82	226	19.1	59.4	66.1	14.4
7.08	220	20.0	56.6	68.1	13.9
7.33	205	21.2	53.1	70.1	13.3
7.53	193	22.1	50.4	72.1	13.8
7.82	184	23.0	48.4	74.1	12.6
8.07	169	24.1	46.2	76.1	12.1
8.32	166	25.0	44.2	79.1	11.6
8.57	157	25.9	42.1		
9.05	147	27.9	38.3		
9.57	136	30.0	35.9		
10.1	125	32.1	33.1		
10.6	120	34.0	31.1		
11.1	111	36.1	29.4		
11.6	103	38.2	27.5		

~~SECRET~~

~~CONFIDENTIAL~~

Dose Rate - Sta. 39 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
3.67	11.3	12.1	212	39.1	45.3
3.90	24.8	12.6	199	41.1	43.0
4.07	30.5	13.1	193	43.1	40.8
4.32	66.0	13.6	175	45.1	38.4
4.57	115	14.1	175	47.1	37.3
4.82	187	14.6	169	48.1	32.1
5.07	249	15.1	169	49.1	35.1
5.40	399	15.6	162	51.1	33.2
5.60	453	16.1	162	53.1	31.4
5.77	491	16.6	157	55.1	29.9
6.07	562	17.1	151	57.1	29.1
6.35	584	17.6	139	59.1	28.0
6.60	610	18.1	139	61.1	27.0
6.85	636	19.1	127	63.1	26.5
7.10	619	20.1	115	65.1	24.9
7.37	560	21.1	115	67.1	24.1
7.52	531	22.1	106	69.1	23.5
7.82	483	23.1	106	71.1	22.6
7.98	450	24.1	101	73.0	21.8
8.37	408	25.1	95.7	75.0	21.4
8.55	388	26.1	90.5	77.1	20.3
8.98	350	28.1	88.2	79.1	19.8
9.45	319	30.1	78.7		
9.97	288	32.1	55.7		
10.5	260	34.1	52.2		
11.2	234	36.1	49.8		
11.6	223	38.1	40.8		

~~CONFIDENTIAL~~

Dose Rate - Sta. 58 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.62	0.317	14.1	2.72	37.1	2.56
4.90	0.489	14.6	2.62	38.7	2.38
5.12	0.890	15.0	2.34	38.8	1.04
5.27	0.914	15.6	2.30	40.0	0.986
5.62	1.23	16.1	2.34	42.0	0.917
5.82	1.36	16.6	2.35	44.1	0.821
6.07	1.48	17.1	2.36	46.1	0.822
6.32	1.58	17.6	2.22	48.1	0.807
6.55	2.55	18.1	2.02	50.1	0.710
6.82	4.84	19.1	1.98	52.0	0.697
7.07	5.38	20.1	1.89	54.1	0.702
7.32	5.53	21.1	1.86	56.1	0.655
7.57	6.34	22.1	1.86	58.2	0.785
7.82	4.84	22.8	2.27	59.0	0.812
8.07	4.97	22.9	4.09	61.0	0.746
8.32	4.84	23.1	3.89	63.0	0.784
8.57	4.84	23.6	3.76	65.1	0.737
9.07	4.84	24.1	4.09	67.1	0.882
9.55	4.44	25.1	3.83	69.0	0.855
10.1	4.09	26.1	3.64	71.1	0.819
10.6	3.72	27.1	3.63	73.0	0.670
11.1	3.63	28.1	3.46	75.1	0.658
11.6	3.50	29.0	2.92	77.1	0.653
12.1	3.37	30.1	3.10	79.2	0.670
12.6	3.14	32.1	2.61		
13.1	3.02	34.1	2.73		
13.6	2.82	36.1	2.54		

Dose Rate - Sta. 64 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.32	0.409	13.5	1.10	30.1	0.409
4.62	0.728	14.1	1.02	32.0	0.409
4.82	0.916	14.5	1.03	33.9	0.368
5.07	1.40	15.1	0.923	36.1	0.317
5.32	1.95	15.6	0.862	38.0	0.286
5.53	2.22	16.0	0.819	40.0	0.286
5.78	2.31	16.2	1.17	42.2	0.278
6.03	2.72	16.3	1.59	43.9	0.266
6.05	3.08	16.4	1.09	45.3	0.251
6.55	3.02	16.6	1.41	48.1	0.243
6.82	3.24	16.7	1.33	49.8	0.218
7.10	3.62	17.1	1.24	51.9	0.206
7.32	3.02	17.5	1.01	54.1	0.192
7.57	2.82	17.8	1.14	56.4	0.197
7.85	2.55	17.9	1.19	58.0	0.189
8.05	2.16	18.0	1.12	60.3	0.185
8.32	2.15	18.6	1.01	62.0	0.179
8.55	1.97	19.1	0.970	63.7	0.170
9.02	1.70	19.6	0.993	66.3	0.168
9.57	1.62	20.0	0.827	68.1	0.164
10.0	1.56	21.1	0.749	70.0	0.159
10.6	1.50	22.1	0.663	71.9	0.155
11.0	1.37	23.1	0.659	73.9	0.152
11.6	1.24	24.0	0.629	75.9	0.145
12.1	1.12	25.0	0.608	79.1	0.140
12.6	1.13	26.1	0.476		
13.1	1.12	28.0	0.457		

C [REDACTED] L

Dose Rate - Sta. 67 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
3.55	15.2	7.62	1540	18.0	527
3.62	23.6	7.78	1450	20.1	484
3.70	37.6	8.03	1240	21.0	467
3.77	54.8	8.33	1100	22.1	451
3.85	73.5	8.57	1060	24.0	424
3.98	70.6	8.82	1020	26.1	395
4.10	98.0	9.08	935	28.1	385
4.20	134	9.37	892	31.2	365
4.32	207	9.57	850	34.1	340
4.43	291	9.77	808	36.2	327
4.57	365	10.1	765	38.0	301
4.77	518	10.6	696	40.1	285
4.92	637	11.1	637	42.1	265
5.03	748	11.6	594	44.1	255
5.23	1100	12.1	561	46.1	247
5.37	1200	12.6	527	49.1	247
5.58	1370	13.1	497	53.1	216
5.70	1450	13.6	476	56.0	207
5.87	1540	14.1	451	59.1	197
6.08	1750	15.1	421	63.1	182
6.18	1790	15.3	408	66.1	172
6.33	1690	15.5	446	72.0	158
6.45	1660	15.8	561	78.0	143
6.70	1710	16.1	553	80.1	138
7.10	1790	16.8	544		
7.30	1710	17.1	544		
7.45	1620	17.6	535		


[REDACTED]

Dose Rate - Sta. 68 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
3.53	18.6	7.07	1370	19.0	396
3.63	36.0	7.27	1170	20.0	384
3.70	50.4	7.57	1000	21.1	368
3.75	72.0	7.82	896	22.0	356
3.82	89.3	8.10	839	24.1	332
3.93	76.7	8.28	839	26.1	300
4.07	62.1	8.60	793	28.1	288
4.20	102	8.78	759	30.0	272
4.28	146	9.02	736	31.2	264
4.40	190	9.58	648	34.1	248
4.53	244	10.1	584	36.1	214
4.57	264	10.5	552	40.1	195
4.73	376	11.1	504	42.1	185
4.92	488	11.6	472	44.1	176
5.08	600	12.1	448	46.0	166
5.20	800	13.1	396	48.1	161
5.37	896	14.1	360	50.1	156
5.55	984			53.0	146
5.70	1080	14.9	336	56.1	141
5.87	1080	15.4	320	58.1	137
6.08	1210	15.6	400	62.1	124
6.20	1250	15.8	440	66.1	116
6.33	1210	16.1	440	72.0	104
6.40	1250	16.5	432	78.0	84.4
6.65	1350	17.1	428	80.2	77.6
6.72	1330	18.0	412		
6.83	1370				

Dose Rate - Sta. 71 - YAG 40 - Zuni

<u>H + hr</u>	<u>mr/hr</u>
4.28	0.740
4.43	1.19
4.53	1.61
4.70	2.26
4.82	2.53
4.93	3.12
5.10	4.10
5.32	5.83
5.58	6.75
5.73	7.50
6.00	8.25
6.27	10.6
6.63	11.2
7.00	10.6
7.13	16.4
7.25	12.1
7.50	10.4
8.00	9.33
9.00	7.35
10.0	6.75
11.0	5.97
12.0	5.68
13.0	5.22
14.0	5.07
15.0	4.63
16.0	4.03
17.0	4.17
18.0	2.16
20.0	1.28
21.0	1.15
22.0	0.991
24.0	0.887
26.0	0.740
30.0	0.592
42.0	0.399
54.0	0.311
66.0	0.266
78.0	0.225



Tabulated Dose Rates

YAG 39

Shot FLATHEAD

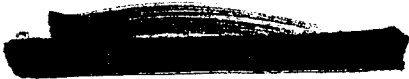


Dose Rate - YAG 39 - FLATHEAD

Sta. 2

Sta. 71

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
6.23	0.175	4.00	0.004
7.00	0.378	6.23	0.154
7.32	0.434	6.90	0.294
7.65	0.531	7.32	0.342
8.00	0.784	7.73	0.433
9.00	1.12	8.00	0.550
10.0	1.54	8.23	0.599
11.0	1.90	8.48	0.675
12.0	1.82	8.65	0.735
13.0	1.75	8.82	0.811
14.0	1.65	9.00	0.864
15.0	1.54	9.23	0.916
17.0	1.37	9.35	0.961
18.0	1.26	9.48	1.02
20.0	1.12	10.0	1.14
22.0	1.02	10.7	1.31
24.0	0.951	11.6	1.23
26.0	0.445	13.3	1.11
28.0	0.364	15.0	0.993
30.0	0.336	16.7	0.872
35.0	0.252	18.5	0.781
41.0	0.210	20.1	0.675
45.0	0.182	22.1	0.615
50.0	0.168	24.1	0.386
55.0	0.153	26.8	0.213
60.0	0.140	28.7	0.142
75.0	0.105	31.0	0.160
		32.6	0.148
		33.4	0.142
		35.2	0.133
		36.2	0.124
		37.0	0.118
		39.1	0.112
		41.2	0.107
		42.3	0.104
		45.4	0.093
		48.1	0.087
		50.6	0.080
		54.2	0.070
		59.1	0.066
		62.1	0.061
		67.1	0.056
		70.6	0.053



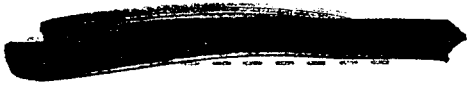
Dose Rate - YAG 39 - FLATHEAD

Sta. 9		Sta. 9	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.12	0.061	13.1	33.4
4.37	0.417	13.6	32.3
4.53	0.646	14.1	31.0
4.78	1.01	15.1	29.2
4.95	1.88	16.0	27.3
5.10	3.30	17.0	26.1
5.38	6.19	18.0	24.9
5.68	8.23	19.0	23.7
6.05	10.7	20.0	22.5
6.27	12.3	21.0	21.3
6.52	15.4	22.0	19.4
6.72	19.4	23.0	19.4
7.02	21.9	24.0	17.7
7.28	21.9	26.0	16.3
7.50	23.7	28.0	14.6
7.75	26.1	30.0	13.4
8.02	28.6	32.0	12.4
8.28	29.9	34.0	11.6
8.57	29.9	36.0	11.0
8.77	32.3	38.0	10.4
9.19	32.9	40.0	9.80
9.60	31.7	45.0	8.71
10.1	32.3	50.0	6.55
10.5	35.5	55.0	5.77
11.0	38.4	60.0	5.04
11.6	37.2	64.9	4.68
12.1	36.0	70.1	4.33
12.6	34.6	75.0	4.15
		80.0	3.50



Dose Rate - YAG 39 - FLATHEAD

Sta. 13		Sta. 14	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.62	3.34	4.85	3.70
5.23	21.8	5.27	12.7
5.57	42.9	5.57	24.2
6.57	45.6	6.57	50.7
7.07	78.4	7.07	87.0
7.57	87.8	7.57	76.6
8.57	121	8.57	103
9.00	121	9.00	124
10.0	121	10.0	135
11.0	141	11.0	156
12.0	131	12.0	135
13.0	121	13.0	124
15.0	102	15.0	103
18.0	83.0	18.0	81.8
22.0	69.0	22.0	68.3
26.0	55.0	26.0	39.4
30.0	46.5	30.0	31.3
36.0	39.2	36.0	26.2
42.0	33.7	42.0	23.1
47.0	28.2	47.0	20.1
48.0	21.8	48.0	15.6
54.0	15.4	54.0	12.5
66.0	10.8	66.0	9.70
75.0	9.27	75.0	8.20
76.0	6.30	76.0	5.50
80.0	6.04	80.0	5.10



Dose Rate - YAG 39 - FLATHEAD

<u>H + hr</u>	<u>Sta. 17</u> <u>mr/hr</u>	<u>Sta. 18</u> <u>mr/hr</u>	<u>Sta. 19</u> <u>mr/hr</u>	<u>Sta. 20</u> <u>mr/hr</u>	<u>Sta. 22</u> <u>mr/hr</u>	<u>Sta. 23</u> <u>mr/hr</u>
10	2.30	6.45	101	62.0	0.350	17.1
20	1.10	3.19	61.7	31.5	0.123	8.23
30	0.604	1.77	40.0	19.6	0.0556	4.90



C [REDACTED]

Dose Rate - YAG 39 - FLATHEAD

Sta. 25		Sta. 25	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
3.58	0.030	15.8	10.5
4.70	0.376	16.8	9.83
4.95	0.776	17.9	9.23
5.07	1.36	19.1	8.64
5.17	1.73	20.0	8.31
5.25	2.14	24.0	6.68
5.30	2.23	26.0	5.63
5.37	2.65	28.0	5.38
5.42	2.93	30.0	4.95
5.47	3.08	32.0	4.67
5.52	3.52	34.0	4.38
6.00	4.80	36.0	4.08
7.00	10.0	38.0	3.80
8.08	12.4	40.0	3.65
8.87	14.1	42.0	3.37
9.60	14.8	45.0	3.08
10.3	15.7	48.0	2.23
10.9	16.6	50.0	2.08
11.6	15.7	55.0	1.88
12.3	13.8	60.0	1.57
13.1	12.7	65.0	1.44
13.9	12.0	70.0	1.33
14.8	11.2	75.0	1.22
		79.9	0.783

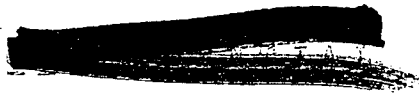
[REDACTED]

Dose Rate - YAG 39 - FLATHEAD

Sta. 28		Sta. 28	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.72	0.179	14.0	3.40
5.23	0.617	15.0	3.10
5.58	1.12	16.0	2.95
5.85	1.23	17.0	2.81
6.07	1.47	18.0	2.51
6.25	1.70	19.0	2.43
6.55	2.37	20.0	2.22
6.80	2.78	22.0	2.07
7.00	2.92	24.0	2.00
7.17	2.96	26.0	1.54
7.27	2.88	28.0	1.40
7.37	3.10	30.0	1.31
7.60	3.10	32.0	1.22
7.73	3.25	34.0	1.12
7.85	3.44	36.0	1.06
8.00	3.56	38.0	1.02
8.32	3.71	40.0	0.941
8.60	3.85	42.0	0.896
8.85	4.14	44.0	0.838
9.15	4.45	46.0	0.801
9.50	4.29	48.0	0.623
9.65	4.45	50.0	0.588
10.0	4.45	54.0	0.535
10.2	4.75	58.0	0.470
10.4	5.19	62.0	0.437
10.6	5.05	66.0	0.406
11.0	4.90	70.0	0.382
11.6	4.75	74.0	0.356
12.0	4.14	78.0	0.250
13.0	3.71		

Dose Rate - YAG 39 - FLATHEAD

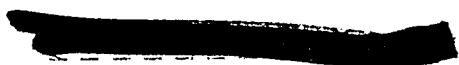
Sta. 39		Sta. 39		Sta. 68	
H + hr	mr/hr	H + hr	mr/hr	H + hr	mr/hr
5.15	1.41	11.0	9.13	4.65	2.79
5.77	2.38	12.0	7.70	6.23	5.50
6.15	3.39	12.9	6.60	6.90	7.70
6.45	4.73	14.0	6.26	8.00	11.0
6.65	5.83	15.0	6.10	9.00	11.0
6.85	5.72	16.0	5.72	10.0	9.90
7.03	6.10	18.0	5.17	11.0	10.8
7.20	6.10	20.0	4.61	12.0	9.02
7.38	6.44	25.0	4.02	13.0	7.70
7.53	7.04	29.9	3.52	14.0	7.70
7.70	7.48	35.0	2.95	16.0	7.26
7.98	8.14	40.3	2.50	18.0	6.50
8.25	8.36	44.9	2.27	22.0	5.40
8.37	7.81	50.3	1.78	26.0	4.84
8.67	8.14	54.1	1.73	30.0	4.51
8.92	8.46	58.1	1.58	36.0	3.96
9.18	8.69	61.8	1.52	42.0	3.36
9.32	8.57	65.5	1.42	47.0	3.41
9.45	8.36	68.7	1.36	48.0	3.58
9.83	8.36	72.0	1.32	49.0	3.54
9.98	8.46	76.6	1.08	50.0	3.44
10.2	8.90	79.0	0.940	54.0	3.14
10.5	9.35			60.0	2.64
				66.0	2.38
				74.0	2.26
				76.0	2.06
				78.0	1.65



TABULATED DOSE RATES

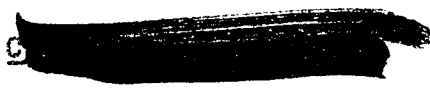
YAG 40

SHOT FLATHEAD



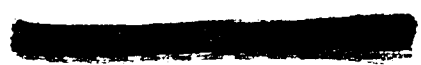
Dose Rate - YAG 40 - Flathead

Sta. 2		Sta. 3	
H + hr	mr/hr	H + hr	mr/hr
6.00	0.076	6.00	0.690
8.00	0.076	8.40	1.50
9.00	0.152	9.00	2.53
10.0	0.274	10.0	9.89
11.0	0.609	11.0	23.1
12.0	0.852	12.0	32.4
13.0	0.715	13.0	36.0
14.0	0.578	14.0	37.2
15.0	0.563	15.0	34.7
16.0	0.578	16.0	37.2
17.0	0.563	17.0	49.4
18.0	0.533	18.0	49.4
19.0	0.524	19.0	37.2
20.0	0.504	20.0	34.2
21.0	0.474	21.0	33.6
22.0	0.456	22.0	22.0
23.0	0.426	23.0	15.4
25.0	0.395	25.0	13.8
29.7	0.474	30.0	11.7
30.0	0.532	35.0	9.89
30.2	0.548	40.0	8.97
30.6	0.524	45.0	8.23
31.0	0.593	50.0	5.58
31.3	0.609	55.0	5.03
31.6	0.624	58.0	4.37
31.8	0.600	63.0	4.26
35.0	0.532	70.0	4.09
40.0	0.411		
45.0	0.365		
50.0	0.304		
55.0	0.274		
58.0	0.258		
63.0	0.243		
70.0	0.228		
75.0	0.183		



Dose Rate - YAG 40 - Flathead

Sta. 9		Sta. 13	
H + hr	mr/hr	H + hr	mr/hr
6.00	0.050	6.00	0
8.00	0.550	8.00	1.93
9.00	5.10	8.57	8.18
10.0	17.4	9.00	17.4
11.0	48.0	9.57	38.0
12.0	71.1	10.0	61.9
15.0	71.1	11.0	142
16.0	81.5	12.0	225
17.0	81.5	13.0	248
18.0	81.5	14.0	237
19.0	71.1	15.0	237
20.0	71.1	16.0	248
21.0	69.7	17.0	259
22.0	59.4	18.0	248
23.0	58.2	19.0	237
25.0	53.0	20.0	231
30.0	39.0	21.0	225
35.0	35.2	22.0	214
40.0	30.0	23.0	197
45.0	27.6	24.0	180
50.0	16.2	30.0	145
55.0	14.9	35.0	125
58.0	13.7	40.0	109
63.0	12.4	45.0	88.4
70.0	11.1	50.0	56.8
75.0	10.4	55.0	52.3
79.0	9.20	58.0	46.6
		63.0	44.4
		70.0	39.9
		75.0	37.6
		79.0	22.1

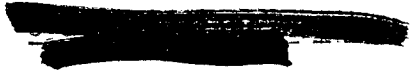


Dose Rate - YAG 40 - Flathead

Sta. 14

Sta. 26

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
6.00	0	10.0	0
8.23	2.02	14.0	0.129
8.65	7.12	15.0	0.136
9.00	10.7	16.4	0.136
9.57	27.9	18.0	0.136
10.0	54.8	20.0	0.119
11.0	142	22.0	0.114
12.0	209	25.0	0.102
13.0	230	30.0	0.077
14.0	220		
15.0	220		
16.0	262		
17.0	273		
18.0	273		
19.0	262		
20.0	252		
21.0	252		
22.0	231		
23.0	188		
25.0	172		
30.0	140		
35.0	124		
40.0	108		
45.0	92.5		
50.0	55.7		
55.0	51.6		
58.0	44.2		
63.0	42.1		
70.0	37.7		
75.0	35.6		
75.2	33.2		
79.0	19.4		



Dose Rate - YAG 40 - Flathead

	Sta. 16	Sta. 17	Sta. 18	Sta. 20
<u>H + hr</u>	<u>mr/hr</u>	<u>mr/hr</u>	<u>mr/hr</u>	<u>mr/hr</u>
10	58.0	0.992	3.11	23.6
20	209	2.70	9.54	84.0
30	138	1.44	4.93	48.3
41	97.8	1.05	3.59	34.2
50	67.7	0.578	2.06	20.4

	Sta. 21	Sta. 22	Sta. 24
<u>H + hr</u>	<u>mr/hr</u>	<u>mr/hr</u>	<u>mr/hr</u>
10	12.2	0.228	38.3
20	42.5	0.408	134
30	22.9	0.214	84.0
41	19.8	0.188	59.4
50	9.45	0.082	34.7



Dose Rate - Sta. 25 - YAG 40
Flathead

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
7.78	0.106	21.6	16.2
8.12	0.307	22.4	15.2
8.35	0.518	23.2	14.3
8.53	0.729	24.1	13.7
8.67	0.931	25.0	13.3
8.90	1.26	25.9	12.7
9.10	1.51	26.9	12.2
9.25	1.86	28.0	11.7
9.43	2.53	29.0	11.6
9.62	3.48	30.0	10.8
9.82	4.43	31.0	10.8
10.0	5.39	33.0	10.0
10.3	6.82	35.0	9.24
10.6	8.90	38.0	8.42
11.0	12.5	42.0	7.63
11.3	15.8	46.0	6.65
12.0	17.1	48.0	5.21
12.7	18.6	51.0	4.27
13.4	18.1	54.0	4.11
14.1	17.6	58.0	3.64
14.8	17.3	61.0	3.49
15.5	18.6	64.0	3.31
16.1	19.5	66.0	3.16
17.4	19.3	69.0	3.08
18.0	19.0	72.0	2.38
18.8	18.5	76.0	2.69
19.4	18.0	77.0	2.30
20.1	17.3	79.0	2.22
20.8	17.0		

Dose Rate - YAG 40 - Flathead

Sta. 67

Sta. 68

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
6.57	0	6.57	0.13
7.57	0.48	7.57	0.26
8.07	2.04	8.07	2.36
8.35	3.96	8.32	3.82
8.65	7.33	8.65	9.50
9.00	11.5	9.00	16.2
9.23	15.1	9.23	19.8
9.32	16.3	9.32	22.2
9.40	18.7	9.40	25.2
9.48	22.4	9.48	30.2
9.57	26.0	9.57	31.3
9.65	9.50	9.65	7.70
9.82	6.01	9.82	6.50
10.0	5.77	10.0	6.15
10.2	5.64	10.2	5.90
10.5	6.60	10.5	7.58
10.6	8.80	10.6	10.5
10.7	10.2	10.7	10.2
10.9	9.50	10.9	9.50
11.1	9.70	11.1	9.72
11.6	10.5	11.6	10.2
11.8	11.4	11.8	9.88
12.0	10.2	12.0	9.61
13.0	8.30	13.0	8.06
14.0	6.84	14.0	6.50
15.0	7.93	15.0	8.06
16.0	9.24	16.0	8.78
17.0	7.93	17.0	8.30
18.0	7.44	18.0	6.86
20.0	6.12	20.0	6.62
25.0	4.92	24.9	5.19
30.0	4.68	30.0	4.34
34.9	4.20	34.9	3.74
40.0	3.24	40.0	3.14
50.0	1.80	50.0	1.94
55.0	1.90	55.0	2.30
60.0	1.44	60.0	1.82
70.0	1.32	70.0	1.58
75.0	1.08	75.0	1.34
80.0	0.60	79.6	0.98

Dose Rate - YAG 40 - Flathead

Sta. 64		Sta. 70		Sta. 71	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
12.0	0.180	8.32	1.05	9.57	0.133
13.0	0.180	9.20	2.62	10.5	0.237
14.0	0.165	9.53	3.68	10.9	0.340
15.0	0.176	9.93	2.27	11.2	0.496
16.0	0.176	10.5	2.62	11.6	0.577
17.0	0.173	10.8	3.20	11.8	0.636
18.0	0.180	11.2	2.83	12.0	0.680
20.0	0.173	11.7	2.57	13.0	0.695
22.0	0.165	12.1	2.19	14.0	0.680
25.0	0.142	12.7	1.68	15.0	0.665
30.0	0.117	13.6	1.06	16.0	0.695
35.0	0.120	14.6	1.25	17.0	0.695
40.0	0.101	15.4	1.63	18.0	0.680
45.0	0.102	16.2	1.53	20.0	0.652
		17.0	1.16	24.9	0.503
		18.1	0.990	30.0	0.400
		19.4	0.825	34.9	0.400
		20.9	0.742	40.0	0.385
		22.7	0.619	50.0	0.267
		24.6	0.575	55.0	0.252
		26.6	0.542	60.0	0.222
		28.8	0.506	70.0	0.192
				75.0	0.178



TABULATED DOSE RATES

YAG 39

SHOT NAVAJO





Dose Rate - YAG 39 - Navajo

Sta. 2		Sta. 2	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
2.45	0.521	12.0	14.7
2.65	0.759	12.6	14.2
2.82	0.752	13.0	13.6
3.00	1.01	14.0	13.1
3.20	1.21	14.6	12.7
3.40	1.54	15.0	11.7
3.57	2.27	15.6	9.82
3.70	3.24	16.0	9.10
3.82	4.30	17.0	8.83
4.00	6.87	18.0	8.02
4.11	9.17	19.0	7.68
4.18	11.4	20.0	7.39
4.23	8.46	21.1	7.07
4.40	9.19	22.0	6.49
4.57	9.76	23.0	6.04
4.75	10.0	24.0	5.68
4.82	11.4	25.0	5.28
5.07	11.0	27.0	4.92
5.32	11.7	28.1	4.06
5.57	14.1	29.0	3.70
5.82	16.6	30.0	3.69
6.00	17.2	31.0	3.66
6.12	18.1	32.9	3.52
6.58	18.8	33.9	3.54
6.82	18.1	35.9	3.52
7.00	17.6	36.9	3.43
7.12	18.1	39.1	3.09
7.58	18.5	41.9	2.83
7.82	18.1	43.0	2.59
8.00	17.6	44.0	2.52
8.57	17.2	46.0	2.32
9.00	16.3	49.0	1.99
9.32	16.3	52.0	1.74
9.57	17.2	55.0	1.55
9.82	16.3	59.1	1.46
10.6	15.8	62.1	1.39
11.0	15.4	65.0	1.31
11.6	14.5	73.9	1.14



Dose Rate - YAG 39 - Navajo

Sta. 9		Sta. 9	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
1.97	0.161	11.6	207
2.22	4.00	12.1	203
2.38	14.4	12.6	193
2.47	21.4	13.0	184
2.55	33.5	14.1	168
2.65	48.2	15.2	149
3.00	68.3	16.0	80.0
3.30	88.2	17.0	60.7
3.50	95.7	18.0	58.1
3.70	144	19.0	56.9
3.87	207	20.0	53.1
4.18	372	21.0	45.8
4.42	431	22.0	36.1
4.62	481	23.0	34.7
4.85	485	24.0	32.4
5.17	498	26.0	29.9
5.33	525	27.0	25.0
5.48	507	28.0	22.6
5.67	516	30.0	22.0
5.85	516	32.0	21.4
6.02	512	34.0	19.6
6.37	481	36.0	18.4
6.57	471	38.0	17.8
6.77	445	40.0	17.2
7.18	422	42.0	16.0
7.40	400	44.0	15.3
7.63	386	46.0	14.6
8.10	361	48.0	13.9
8.37	347	50.0	13.2
8.62	329	55.0	11.7
9.18	304	59.0	10.6
9.48	289	60.0	11.7
9.78	267	64.0	10.1
10.2	259	70.1	9.15
10.5	246	73.9	8.43
10.9	232		
11.3	222		

Dose Rate - YAG 39 - Navajo

Sta. 13		Sta. 13	
H + hr	mr/hr	H + hr	mr/hr
1.82	0.78	13.0	305
2.30	11.0	13.6	288
2.37	18.7	14.1	277
2.43	36.1	14.6	266
2.50	73.3	15.0	243
2.68	110	15.6	221
2.78	101	15.7	132
3.00	143	16.0	110
3.12	177	16.6	108
3.40	221	17.0	106
3.65	310	18.0	98.7
3.90	558	19.0	92.1
4.12	900	20.0	88.9
4.32	1240	21.0	76.7
4.57	1070	22.0	69.1
4.82	900	23.0	65.8
5.00	900	24.0	63.8
5.32	1010	25.0	61.3
5.57	1130	26.0	59.1
5.82	1130	27.0	53.6
6.00	1490	28.0	51.4
6.32	1240	30.0	48.1
6.57	1130	32.0	44.8
6.82	900	34.0	42.8
7.00	773	36.0	41.0
7.32	728	38.0	39.3
7.57	671	40.0	37.5
7.82	624	42.0	35.8
8.32	603	44.0	34.5
8.82	557	47.0	31.8
9.32	502	50.0	29.1
9.82	468	53.0	25.4
10.3	434	56.0	23.6
10.8	412	59.0	23.6
11.6	378	64.0	21.8
12.0	344	66.0	20.8
12.6	332	74.0	18.1

Dose Rate - YAG 39 - Navejo

Sta. 14		Sta. 14	
H + hr	mr/hr	H + hr	mr/hr
2.30	7.54	15.0	395
2.40	13.6	15.4	390
2.50	35.0	15.6	318
2.58	81.5	15.7	169
2.65	101	16.0	126
2.82	143	16.5	121
3.02	190	17.0	121
3.12	211	18.0	110
3.40	190	19.0	103
3.57	185	20.0	97.3
3.73	211	21.0	85.8
3.90	275	22.0	76.3
4.07	331	23.0	73.2
4.23	613	24.0	71.1
4.33	857	25.0	67.9
4.60	1260	26.0	65.8
4.85	1520	27.0	59.6
5.00	1650	28.0	56.3
5.30	1770	30.0	53.2
5.57	1440	32.0	50.1
6.00	1310	34.0	47.4
6.32	1330	36.0	45.3
6.58	1350	38.0	43.3
7.07	1180	40.0	40.8
7.35	1060	42.0	39.1
7.62	1050	44.0	37.5
8.00	1010	47.0	35.0
8.32	966	50.0	31.0
8.62	924	53.0	27.9
9.32	824	56.0	25.9
9.60	772	59.0	23.9
10.3	689	64.0	23.9
10.6	672	66.0	21.8
11.1	630	74.0	18.8
11.6	580		
12.1	546		
12.4	529		
13.0	486		
13.6	462		
14.2	429		
14.6	411		



Dose Rate - YAG 39 - Navajo

<u>H + hr</u>	<u>Sta. 17</u> <u>mr/hr</u>	<u>Sta. 18</u> <u>mr/hr</u>	<u>Sta. 19</u> <u>mr/hr</u>	<u>Sta. 20</u> <u>mr/hr</u>	<u>Sta. 22</u> <u>mr/hr</u>	<u>Sta. 23</u> <u>mr/hr</u>
4	22.2	45.0	504	234	3.56	102
10	26.9	58.9	545	372	5.96	115
15	14.6	30.3	297	124	3.03	58.0



Dose Rate - YAG 39 - Navajo

Sta. 25

Sta. 25

<u>H + hr</u>	<u>mr/hr</u>
2.23	1.08
2.28	2.59
2.40	4.46
2.48	8.26
2.57	11.4
2.82	20.1
3.07	29.4
3.48	32.5
3.73	49.4
3.90	74.0
4.03	95.5
4.57	164
5.00	185
5.32	190
5.57	190
5.97	190
6.07	185

<u>H + hr</u>	<u>mr/hr</u>
7.02	148
8.07	114
9.00	101
10.0	86.0
12.0	66.1
14.0	52.5
15.0	47.6
15.7	28.6
16.1	18.7
17.0	15.3
23.1	9.03
28.0	6.75
32.0	5.97
42.0	4.61
54.0	3.49
66.0	2.80
74.0	2.32

Dose Rates - YAG 39 - Navajo

Sta. 28		Sta. 39		Sta. 64	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
2.40	1.48	2.48	5.70	3.00	0.274
2.48	2.47	2.60	9.00	3.57	0.341
2.60	4.40	3.00	11.5	4.00	1.11
3.00	6.65	3.57	19.1	4.32	1.75
3.57	10.2	4.00	65.1	5.00	2.07
4.00	29.4	4.32	92.2	6.00	3.11
4.32	50.3	5.00	103	7.07	2.78
5.00	51.4	6.00	103	9.12	2.52
6.00	54.6	7.02	81.8	13.0	2.14
7.02	42.8	9.12	56.9	15.0	1.72
9.12	29.8	13.0	35.3	15.6	1.53
13.0	19.9	15.0	31.3	16.0	1.43
15.0	15.1	15.6	29.2	17.0	1.38
15.6	15.1	16.0	17.6	18.0	1.18
16.0	7.45	17.0	18.1	19.0	1.10
17.0	7.45	18.0	17.1	21.0	1.02
18.0	6.70	19.0	16.1	24.0	0.832
19.0	6.40	21.0	13.0	27.0	0.609
21.0	5.19	24.0	10.0		
24.0	4.15	26.0	9.00		
26.0	3.56				

Dose Rate - YAG 39 - Navajo

Sta. 67		Sta. 67	
H + hr	mr/hr	H + hr	mr/hr
2.30	13.1	18.0	36.6
2.40	12.5	19.0	37.8
2.48	15.4	20.0	34.2
2.57	18.1	21.0	29.5
3.00	22.9	22.0	27.0
3.33	26.6	23.0	25.9
3.58	43.8	24.0	24.7
3.73	71.4	25.0	23.5
3.90	120	26.0	22.8
4.00	133	27.0	20.6
4.32	167	28.0	19.4
4.57	178	29.0	19.1
5.00	190	30.0	18.6
5.32	176	31.0	18.1
5.57	167	35.0	15.9
6.00	167	39.0	14.9
6.57	149	42.0	14.1
7.03	141	46.0	11.9
8.00	123	49.0	11.9
9.00	103	52.0	10.8
10.0	92.7	55.0	10.6
11.0	84.5	58.0	10.3
12.0	84.5	61.0	9.84
13.0	77.3	64.0	8.90
14.0	73.8	67.1	8.65
15.0	71.3	71.0	8.20
15.6	47.2	74.0	6.90
15.8	43.7		
16.0	36.6		
17.0	41.3		

Dose Rate - YAG 39 - Navajo

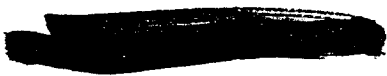
Sta. 68		Sta. 68	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
2.28	12.3	15.0	56.0
2.37	13.5	15.5	57.5
2.47	12.1	16.0	30.0
2.53	15.7	17.0	32.1
2.58	17.1	18.0	32.1
2.65	18.2	19.0	29.9
2.78	16.3	20.0	28.8
2.85	15.9	21.0	24.3
2.92	16.3	22.0	21.9
3.00	18.2	23.0	21.0
3.15	17.1	24.0	19.9
3.32	18.2	25.0	19.4
3.48	27.7	26.0	18.8
3.67	38.8	27.0	16.6
3.82	75.1	28.0	15.8
4.0	123	29.0	15.3
4.32	148	30.0	15.0
4.58	167	31.0	14.3
4.82	161	32.0	13.9
5.07	166	33.0	13.6
5.35	150	34.0	13.2
5.82	156	37.0	12.7
6.00	156	40.0	11.6
6.33	137	42.0	11.1
6.57	132	45.0	10.6
6.98	120	47.0	10.2
7.57	108	50.0	9.66
8.00	100	52.0	9.01
8.32	119	55.0	8.80
8.48	107	58.0	8.13
9.07	82.0	61.0	7.80
10.0	73.0	64.0	7.36
11.0	68.0	66.0	7.15
12.0	66.0	74.0	6.31
13.0	60.0		
14.0	56.0		



Dose Rate - YAG 29 - Navajo

Sta. 70		Sta. 70	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
2.23	2.19	7.57	12.8
2.30	3.95	8.00	12.3
2.33	5.29	8.32	17.4
2.38	3.06	8.48	18.7
2.42	3.51	8.57	11.6
2.45	4.84	8.82	9.62
2.48	5.57	9.07	9.48
2.50	6.61	9.32	8.44
2.53	7.36	9.57	8.63
2.58	9.60	9.95	8.38
2.62	11.1	10.6	7.82
2.65	8.85	11.0	7.89
2.68	7.36	12.0	8.86
2.82	6.02	13.0	7.64
3.00	9.60	14.0	8.01
3.08	10.3	15.0	7.52
3.10	11.1	15.4	8.11
3.15	9.60	15.5	8.85
3.23	7.30	15.6	4.40
3.32	8.10	16.0	3.02
3.40	8.56	17.0	3.21
3.48	10.3	18.0	3.21
3.57	13.4	19.0	2.92
3.65	11.9	20.0	2.84
3.73	19.5	21.0	2.49
3.82	23.7	22.0	2.12
3.87	29.2	24.0	1.97
3.90	32.2	26.0	1.74
4.02	37.3	28.0	1.47
4.32	41.1	30.0	1.39
4.57	42.2	32.0	1.32
4.82	34.8	34.0	1.25
5.00	32.2	37.0	1.16
5.35	31.7	40.0	1.06
5.57	29.2	45.0	0.986
5.82	29.2	50.0	0.885
6.00	27.8	55.0	0.754
6.33	20.8	61.0	0.696
6.57	18.6	65.9	0.667
7.00	15.3	74.0	0.554
7.32	14.8		



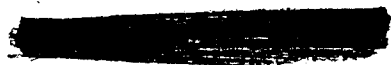


Dose Rate - YAG 39 - Navajo

Sta. 71

Sta. 71

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
2.57	0.441	12.0	10.7
2.77	0.788	13.0	9.88
3.00	0.667	14.0	9.09
3.15	0.757	15.0	7.86
3.28	0.952	15.5	7.38
3.40	1.18	16.0	6.78
3.53	1.39	17.0	6.78
3.62	1.78	18.0	5.98
3.68	2.04	19.0	5.68
3.78	2.92	20.0	5.53
4.00	4.75	21.0	5.21
4.32	8.30	22.0	4.60
4.57	8.00	23.0	4.37
4.82	10.2	24.0	4.14
5.00	9.88	25.0	3.84
5.35	9.88	26.0	3.54
5.57	10.6	27.0	3.22
5.82	13.0	28.0	2.92
6.00	15.4	29.0	2.61
6.33	13.8	30.0	2.76
6.57	15.4	32.0	2.69
7.00	13.8	34.0	2.61
7.57	13.8	37.0	2.46
8.00	13.0	40.0	2.31
8.32	12.2	42.0	2.01
8.48	12.2	45.0	1.75
8.60	13.8	47.0	1.45
8.82	12.2	50.0	1.30
9.07	12.2	52.0	1.09
9.32	11.5	55.0	0.940
10.0	11.5	61.0	0.847
10.6	11.5	66.0	0.773
11.0	10.7	73.9	0.675





TABULATED DOSE RATES

YAG 40

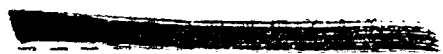
Shot Navajo





Dose Rate - Sta. 2 - YAG 40 - Navajo

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
6.62	0.010	16.8	2.01	38.0	0.650
7.07	0.088	17.0	2.16	40.0	0.606
7.43	0.216	17.5	1.86	42.0	0.545
7.80	0.107	18.0	1.61	44.0	0.500
8.57	0.100	19.0	1.54	46.0	0.455
8.88	0.380	20.0	1.66	48.0	0.424
9.07	0.682	20.4	2.29	50.0	0.391
9.30	0.720	20.6	2.40	53.0	0.360
9.64	1.11	20.8	2.34	57.0	0.337
9.93	1.46	21.0	2.53	60.0	0.302
10.3	1.48	21.3	3.47	64.0	0.251
10.6	1.85	21.6	2.97	68.0	0.224
10.8	1.99	22.0	2.38	72.0	0.198
11.1	2.16	22.6	1.65	75.2	0.169
11.4	2.04	23.1	1.46		
11.7	1.85	23.5	1.38		
12.0	1.95	24.0	1.34		
12.5	2.14	25.0	1.26		
13.0	2.07	25.6	1.17		
13.5	2.02	25.8	1.34		
14.0	2.03	26.0	1.44		
14.5	2.01	27.0	1.19		
15.0	1.87	28.0	1.06		
15.5	1.95	29.0	1.02		
15.9	2.07	30.0	0.960		
16.3	2.49	32.0	0.850		
16.6	2.14	34.0	0.790		
		36.0	0.720		



Dose Rate - Sta. 3 - YAG 40 - Navajo

<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
7.02	1.01	19.0	19.7
7.85	2.30	20.0	15.6
8.33	2.46	21.0	5.35
8.69	4.60	22.0	4.37
8.90	7.14	23.0	4.18
9.18	9.31	24.2	4.02
9.40	11.8	26.0	3.68
9.58	12.6	28.1	3.03
9.67	13.1	30.1	2.87
9.75	14.0	32.2	2.60
9.83	13.8	33.1	2.64
10.0	14.9	34.9	2.41
10.2	16.3	37.9	2.30
10.4	17.3	42.0	2.15
10.6	18.7	45.9	1.96
10.8	19.7	50.3	1.76
11.1	20.4	53.9	1.55
11.3	23.1	57.9	1.36
11.6	24.8	62.2	1.33
12.0	25.4	65.7	1.24
12.3	26.3	70.5	1.14
12.5	25.4	74.7	1.07
12.8	24.8		
14.0	24.3		
15.0	23.1		
16.0	23.1		
17.0	21.4		
18.0	20.4		

Dose Rate - YAG 40 - NAVAJO

Sta. 9		Sta. 9	
<u>H + Hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
5.07	0.146	14.0	55.3
6.02	0.120	15.0	55.3
6.23	0.175	16.0	55.3
6.38	0.260	17.0	55.3
6.62	0.370	17.6	51.4
6.87	0.590	18.0	50.2
6.98	0.800	19.0	48.8
7.09	1.44	20.0	46.3
7.14	1.30	21.0	25.9
7.18	1.88	22.0	21.0
7.26	2.31	23.0	18.4
7.36	3.61	24.0	17.7
7.52	3.55	25.0	16.6
7.73	4.30	26.0	16.2
7.93	4.80	27.0	14.3
8.10	5.55	28.0	13.9
8.45	7.05	29.0	13.1
8.69	9.30	30.0	12.5
8.90	13.1	32.0	11.8
9.12	19.0	34.0	10.8
9.27	22.2	36.0	10.3
9.42	24.1	38.0	9.80
9.55	26.0	40.0	9.20
9.70	28.3	42.0	9.40
9.90	31.0	44.0	9.10
10.1	33.6	46.0	8.20
10.3	34.8	48.0	7.70
10.5	38.7	51.0	7.40
10.8	42.5	54.0	6.05
11.0	45.7	55.0	6.55
11.3	49.3	56.0	6.30
11.6	51.2	58.0	6.18
11.9	52.7	59.0	5.55
12.1	52.7	60.0	5.49
12.3	55.3	62.0	5.30
12.5	55.3	65.0	4.93
12.7	57.8	69.0	4.68
12.9	55.3	75.0	4.18

Dose Rate - YAG 40 - NAVAJO

Sta. 13		Sta. 13	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.83	0.200	15.9	103
5.57	0.556	16.9	101
6.12	0.808	18.0	91.4
6.65	1.80	18.9	87.0
6.97	3.15	20.0	82.5
7.18	6.64	20.2	70.1
7.30	10.0	20.4	36.2
7.47	11.4	21.0	27.4
7.63	12.4	22.0	24.1
7.80	13.7	23.0	21.3
7.95	14.3	24.0	21.9
8.10	13.1	25.0	20.8
8.33	13.0	26.0	19.7
8.48	13.5	27.0	17.0
8.62	16.0	28.0	16.4
8.75	18.6	29.0	15.4
8.85	27.4	30.0	14.9
9.02	38.2	32.0	14.3
9.27	51.4	34.0	13.4
9.47	56.5	36.0	12.9
9.67	63.9	38.0	12.0
9.98	74.5	40.0	11.7
10.3	80.2	42.0	11.1
10.6	92.0	44.0	10.6
11.0	103	46.0	10.2
11.3	120	48.0	9.58
11.6	122	50.2	9.15
12.0	125	52.1	7.84
12.2	129	54.0	7.62
12.3	126	56.0	4.79
12.5	129	57.9	4.46
12.7	120	60.1	4.35
13.0	116	64.0	4.08
13.5	113	68.1	3.81
14.0	113	72.0	3.48
15.0	105	74.9	3.32



Dose Rate - YAG 40 - NAVAJO

Sta. 14

Sta. 14

<u>H + hr</u>	<u>mr/hr</u>
5.72	0.456
6.48	1.20
6.95	2.48
7.08	5.32
7.40	11.5
7.48	12.7
7.65	13.9
7.82	15.6
7.97	15.8
8.10	16.1
8.53	18.1
8.65	22.7
8.87	34.3
9.13	45.4
9.33	62.2
9.50	71.7
9.63	72.7
9.92	75.8
10.3	96.8
10.6	101
11.0	109
11.3	126
11.6	138
12.0	142
12.2	144
12.3	142
12.5	136
12.7	132
13.0	125
13.6	123
14.0	120
15.0	110
16.1	103
17.0	96.9

<u>H + hr</u>	<u>mr/hr</u>
17.9	89.5
19.0	85.2
20.0	80.0
20.2	78.0
20.4	40.7
21.0	24.5
22.0	19.1
23.0	18.5
24.0	17.3
25.0	16.7
26.0	13.7
27.0	13.8
28.0	13.1
29.0	12.5
30.0	12.0
32.0	11.4
34.0	10.2
36.0	9.76
38.0	9.15
40.0	8.80
42.0	8.32
44.0	8.08
46.0	7.77
48.0	7.48
50.1	7.00
52.0	5.92
54.0	5.80
56.0	4.11
58.1	3.92
60.1	3.82
64.2	3.64
68.1	3.37
71.0	3.16
75.1	2.86





Dose Rate - YAG 40 - NAVAJO

<u>H + hr</u>	<u>Sta. 16</u> <u>mr/hr</u>	<u>Sta. 17</u> <u>mr/hr</u>	<u>Sta. 18</u> <u>mr/hr</u>	<u>Sta. 20</u> <u>mr/hr</u>	<u>Sta. 21</u> <u>mr/hr</u>	<u>Sta. 22</u> <u>mr/hr</u>	<u>Sta. 24</u> <u>mr/hr</u>
10	71.9	2.29	5.70	39.5	23.4	0.615	47.9
15	102	2.91	6.90	56.5	34.9	0.843	66.4
20	77.2	1.78	4.45	36.3	20.9	0.443	49.4
25	21.6	0.242	0.724	7.20	3.56	-	13.5
30	16.2	0.161	0.479	5.19	2.53	-	9.76



Dose Rate - YAG 40 - NAVAJO

Sta. 25		Sta. 25		Sta. 64	
H + hr	mr/hr	H + hr	mr/hr	H + hr	mr/hr
5.48	0.100	16.0	11.0	10.7	0.465
6.40	0.150	17.0	9.90	11.1	0.511
6.90	0.321	18.0	9.40	12.1	0.586
7.17	0.732	19.0	8.49	13.1	0.646
7.32	1.19	20.0	7.85	14.1	0.630
7.55	1.44	20.2	6.54	15.1	0.600
7.73	1.71	20.4	3.69	15.6	0.645
7.82	1.82	20.6	3.52	16.1	0.690
7.90	1.86	20.8	3.05	17.1	0.690
7.98	1.77	21.0	2.66	18.1	0.660
8.15	1.71	21.5	2.42	19.1	0.600
8.33	1.66	22.0	2.27	20.1	0.555
8.52	1.96	23.0	2.08	20.6	0.630
8.77	3.16	24.0	1.95	21.1	0.675
9.00	4.64	26.0	1.80	21.6	0.690
9.20	6.21	28.0	1.49	22.1	0.635
9.40	7.49	30.0	1.35	23.1	0.480
9.60	7.82	33.0	1.22	24.1	0.540
9.80	8.31	36.0	1.10	25.1	0.495
10.0	8.86	40.0	0.993	26.1	0.487
10.5	10.5	44.0	0.881		
11.0	12.1	49.0	0.779		
11.5	13.8	54.0	0.615		
12.0	14.2	59.0	0.333		
12.5	14.6	64.0	0.302		
13.0	13.5	69.0	0.278		
14.0	12.8	74.0	0.252		
15.0	12.7				



Dose Rate - YAG 40 - NAVAJO

Sta. 67		Sta. 67	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
4.33	0.091	12.0	14.8
5.73	0.580	12.4	13.8
6.50	1.44	13.0	12.6
6.95	3.27	14.0	12.0
7.18	7.08	15.0	11.3
7.32	10.6	15.3	12.4
7.43	11.6	15.6	14.7
7.52	12.0	16.0	18.7
7.62	9.00	16.3	21.1
7.82	13.8	16.5	22.1
8.05	5.10	17.0	21.1
8.32	3.60	18.0	19.9
8.57	4.98	19.0	20.5
8.73	10.1	20.0	19.9
8.88	21.1	20.2	15.7
9.02	32.0	20.3	11.6
9.12	37.6	20.6	11.4
9.25	43.1	21.0	10.0
9.35	54.2	22.0	8.51
9.40	40.5	23.0	8.04
9.50	18.4	25.0	7.44
9.63	15.0	27.9	6.11
9.80	13.9	29.8	5.51
9.95	14.4	30.0	5.28
10.1	15.8	33.9	5.04
10.3	14.8	39.0	4.56
10.5	14.0	48.1	3.72
11.0	14.6	56.9	2.52
11.4	19.0	65.0	2.19
11.7	22.3	75.1	1.88



Dose Rate - YAG 40 - NAVAJO

Sta. 68		Sta. 68	
H + hr	mr/hr	H + hr	mr/hr
5.82	0.424	15.4	12.1
6.78	1.53	15.6	13.7
7.20	5.00	16.0	16.0
7.37	10.0	16.3	17.3
7.57	12.7	16.5	17.6
7.73	14.4	16.8	18.0
7.90	15.1	17.4	17.6
8.03	5.66	18.0	17.3
8.27	3.57	18.9	16.4
8.53	4.22	19.0	17.9
8.73	12.2	20.0	17.9
8.87	20.0	20.1	15.0
9.03	24.8	20.7	9.14
9.12	29.7	21.0	8.30
9.25	39.3	22.0	7.58
9.35	45.5	23.0	7.09
9.42	22.4	24.0	6.74
9.48	15.1	25.0	6.50
9.65	13.3	29.9	4.82
9.83	13.2	34.0	4.28
10.6	10.2	39.9	3.74
10.8	13.2	44.1	3.40
11.0	12.7	48.0	3.13
11.4	24.8	50.1	3.02
11.7	35.8	54.8	2.27
12.0	14.5	59.9	1.50
13.0	12.5	64.9	1.82
14.0	11.9	70.4	0.980
15.0	10.5	73.4	1.61

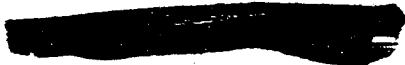
Dose Rate - YAG 40 - HAWAJO

Sta. 70		Sta. 70	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
6.52	0.104	15.5	2.36
7.03	0.646	15.8	2.61
7.20	1.29	16.0	2.97
7.32	1.91	16.3	3.45
7.45	2.28	16.6	3.45
7.57	2.49	16.8	3.45
7.65	2.81	17.0	3.29
7.80	3.05	17.4	3.13
7.97	2.97	18.0	3.13
8.02	2.89	19.1	3.13
8.18	2.97	20.0	2.97
8.50	2.31	20.5	1.75
8.87	4.36	21.0	1.35
9.08	6.92	22.0	1.32
9.23	8.18	23.0	1.22
9.33	8.53	24.0	1.19
9.55	5.09	25.0	1.11
9.80	3.99	26.0	1.08
10.1	3.71	28.0	0.870
10.4	3.40	30.0	0.738
10.7	3.36	33.0	0.662
11.1	3.24	35.1	0.646
11.4	4.11	39.9	0.574
11.6	5.09	45.0	0.550
11.9	3.71	52.9	0.326
12.5	3.05	60.2	0.281
13.0	2.57	68.0	0.273
13.6	2.55	75.1	0.196
14.1	2.33		
15.0	1.91		

Dose Rate - YAG 40 - NAVAJO

Sta. 71		Sta. 71	
<u>H + hr</u>	<u>mr/hr</u>	<u>H + hr</u>	<u>mr/hr</u>
6.83	0.027	19.1	2.84
7.62	0.097	19.4	2.39
8.27	0.098	20.0	2.30
8.78	0.202	20.6	2.62
9.12	0.519	21.0	2.73
9.48	0.747	21.3	2.98
9.72	1.06	22.1	2.76
10.0	1.33	23.1	2.54
10.3	1.49	24.1	2.17
10.6	1.79	25.0	2.10
10.9	2.06	26.1	2.02
11.2	2.26	27.1	1.79
11.6	2.39	28.1	1.71
12.0	2.47	29.1	1.64
12.3	2.54	30.1	1.56
12.7	2.76	32.0	1.41
13.0	2.76	34.1	1.30
13.4	2.84	35.9	1.21
13.8	2.84	38.1	1.10
14.2	3.13	40.1	1.03
14.7	3.13	42.1	0.955
15.0	2.84	44.0	0.880
15.3	2.98	46.1	0.835
16.0	2.98	48.0	0.791
16.2	3.13	50.0	0.733
16.5	3.21	55.0	0.644
17.0	3.13	60.1	0.570
17.5	3.10	65.1	0.518
18.0	2.98	70.1	0.474
18.6	2.84	75.1	0.407

933
HRR:jmb




TABULATED DOSE RATE HISTORY

ZAG 39

SHOT TEWA

H. R. Rinnert
Technical Development's Branch

2/18/57



Dose Rate - Station 2 - YAG 39 TEMA

Dose Rate - Station 3 - YAG 39 TEMA

<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>
2.18	0.19	36.0	7.06	2.23	7.73	37.1	21.4
2.38	0.99	37.1	6.88	2.38	22.0	38.1	20.2
2.57	2.30	38.1	6.71	2.57	50.6	39.0	17.5
2.73	4.71	39.0	6.26	2.73	87.3	40.0	16.7
3.00	7.68	40.0	5.81	3.00	142	41.0	16.9
3.07	8.18	41.0	6.79	3.23	178	42.0	16.8
3.23	11.4	42.0	6.97	3.32	257	42.9	14.9
3.32	12.5	42.9	4.07	3.57	424	45.0	14.0
3.40	18.8	45.0	3.46	4.00	1020	47.0	13.5
4.00	41.8	47.2	2.92	4.40	1440	49.0	13.1
4.23	59.4	49.0	2.67	4.57	1150	52.0	12.4
4.40	121	51.0	2.40	5.00	826	53.0	11.9
5.00	117	53.0	2.17	5.57	440	55.0	11.4
5.40	118	55.0	2.01	6.00	369	57.0	10.9
6.00	118	57.0	2.02	6.57	322	59.0	10.4
6.40	109	59.0	1.97	7.00	301	61.0	10.1
7.00	104	61.0	1.88	7.57	311	63.0	9.70
7.40	97.9	62.8	1.83	8.00	275	65.0	9.60
8.00	93.2	65.0	1.77	8.57	262	66.0	9.40
8.40	84.8	66.0	1.74	9.00	239	67.0	9.21
9.00	78.1	67.0	1.67	9.57	230	69.0	8.87
9.40	74.3	69.0	1.59	10.0	221	71.0	8.64
10.0	72.5	72.0	1.52	10.6	195	73.0	8.30
10.4	67.8	73.0	1.45	11.0	192	75.0	8.18
11.0	64.0	75.0	1.41	12.0	178	77.0	7.72
12.0	57.4	77.0	1.35	13.0	158	79.0	6.80
13.0	56.5	79.0	1.30	14.0	99.0	80.2	6.68
14.0	52.3	80.2	1.25	15.0	87.3		
15.0	45.0			16.0	81.3		
16.0	44.1			17.0	69.6		
17.0	41.3			18.0	69.6		
18.0	39.4			20.0	57.7		
20.0	36.2			21.0	57.7		
21.0	25.2			22.0	55.3		
22.0	10.1			23.0	45.8		
23.0	7.70			24.0	38.8		
24.0	6.52			25.0	36.6		
25.0	5.89			26.0	34.2		
26.0	5.35			27.0	29.6		
27.0	4.91			28.0	28.4		
28.0	4.36			29.1	27.2		
29.1	3.84			30.1	27.2		
30.1	4.27			31.0	26.0		
31.0	5.81			32.1	26.0		
32.1	7.16			33.1	24.8		
33.1	7.33			34.0	24.8		
34.0	6.79			35.0	22.2		
35.0	6.79			36.0	21.4		

Dose Rate - Station 9 - YAG 39 - TENA

Dose Rate-Station 13-YAG 39-TENA

<u>H-hr</u>	<u>r/hr</u>	<u>H-hr</u>	<u>r/hr</u>	<u>H-hr</u>	<u>r/hr</u>	<u>H-hr</u>	<u>r/hr</u>
2.00	0.0017	4.73	9.15	1.30	0.0002	33.1	1.84
2.20	0.0175	5.07	8.20	2.10	0.0032	34.0	1.75
2.23	0.0308	5.15	8.20	2.23	0.0479	35.0	1.49
2.28	0.0467	5.23	7.55	2.32	0.138	36.0	1.44
2.30	0.0591	6.15	5.43	2.35	0.172	37.1	1.36
2.33	0.0714	7.15	4.52	2.38	0.263	38.1	1.37
2.35	0.0837	8.15	4.06	2.57	0.691	39.0	1.09
2.37	0.109	9.15	3.59	2.73	1.55	40.0	1.04
2.70	0.534	10.2	2.96	3.00	2.81	41.0	1.00
2.85	0.728	11.2	2.70	3.23	4.41	42.0	0.972
2.97	0.906	12.2	2.33	3.32	5.31	42.9	0.955
3.05	1.08	13.2	2.15	3.57	8.02	43.0	0.894
3.13	1.29	14.2	1.88	4.00	13.6	47.2	0.886
3.20	1.41	15.2	1.70	4.07	14.5	49.0	0.825
3.27	1.60	16.2	1.52	4.32	18.4	51.0	0.799
3.32	1.70	17.2	1.30	4.57	19.3	53.0	0.772
3.37	1.88	18.1	1.13	5.00	20.2	55.0	0.711
3.42	2.05	19.2	1.07	5.57	18.7	57.0	0.659
3.45	2.05	20.2	0.995	6.00	16.9	59.0	0.642
3.50	2.33	21.1	0.942	6.57	15.5	61.0	0.616
3.53	2.51	22.1	0.888	7.00	14.5	63.1	0.564
3.57	2.51	24.2	0.763	7.57	13.4	64.9	0.555
3.62	2.69	26.2	0.594	8.57	12.7	66.0	0.529
3.63	2.69	28.2	0.505	9.00	11.7	67.0	0.516
3.67	3.05	30.1	0.465	9.57	10.8	69.0	0.499
3.70	3.14	32.2	0.461	10.0	9.83	71.0	0.485
3.73	3.14	34.2	0.412	10.6	8.96	73.0	0.459
3.85	3.59	36.2	0.381	11.0	8.96	75.0	0.451
3.93	4.96	38.3	0.376	12.0	8.49	77.0	0.424
3.95	5.43	40.1	0.310	13.0	7.12	79.0	0.376
4.00	5.89	42.2	0.292	14.0	6.19	80.2	0.374
4.03	6.34	44.0	0.290	15.0	5.84		
4.10	6.72	48.0	0.243	16.0	5.84		
4.13	7.28	50.1	0.238	17.0	5.13		
4.15	7.55	53.2	0.215	18.0	4.85		
4.20	7.55	56.2	0.192	20.0	3.88		
4.22	8.20	60.1	0.171	21.0	3.61		
4.25	8.67	63.9	0.158	22.0	3.52		
4.28	8.20	66.2	0.151	23.0	3.52		
4.30	8.67	70.5	0.139	24.0	3.07		
4.31	9.15	72.4	0.136	25.0	2.98		
4.32	8.67	74.4	0.131	26.0	2.90		
4.35	9.15	76.4	0.123	27.0	2.36		
4.42	10.1	78.6	0.113	28.0	2.28		
4.47	11.0	79.4	0.113	29.1	2.19		
4.52	11.0			30.1	2.10		
4.58	11.5			31.0	2.10		
4.62	11.0			32.1	1.92		

Dose Rate-Station 14-YAG 39-TENA

<u>H-hr</u>	<u>r/hr</u>	<u>H-hr</u>	<u>r/hr</u>
1.98	0.0007	32.1	2.08
2.15	0.0133	33.1	2.08
2.23	0.0433	34.0	2.02
2.32	0.110	35.0	1.77
2.35	0.132	36.0	1.74
2.38	0.162	37.1	1.67
2.57	0.530	38.0	1.64
2.73	1.35	39.0	1.25
3.00	1.95	40.0	1.18
3.23	3.49	41.0	1.15
3.32	4.14	42.0	1.14
3.57	5.64	42.9	1.11
4.00	11.5	45.0	1.04
4.07	14.6	47.2	1.01
4.32	16.5	49.0	0.973
4.57	23.1	51.0	0.930
5.00	20.5	53.0	0.895
5.57	16.3	55.0	0.847
6.00	15.3	57.0	0.806
6.57	14.0	59.0	0.764
7.00	13.0	61	0.722
7.57	12.4	63	0.702
8.57	10.8	64.9	0.674
9.00	10.0	66.0	0.661
9.57	9.32	67.0	0.633
10.0	9.32	69.0	0.605
10.6	8.56	71.0	0.599
11.0	8.56	73.0	0.557
		75.0	0.432
12.0	7.79	77.0	0.522
13.0	6.36	79.0	0.426
14.0	6.36	80.0	0.425
15.0	5.64		
16.0	4.91		
17.0	4.91		
18.0	4.21		
20.0	3.78		
21.0	3.49		
22.0	3.49		
23.0	3.22		
24.0	3.14		
25.0	3.14		
26.0	3.01		
27.0	2.58		
28.0	2.14		
29.1	2.44		
30.1	2.36		
31.0	2.29		

Dose Rate-YAG 39-TEWA

<u>H-hr</u>	<u>Sta.17</u> <u>mr/hr</u>	<u>Sta.18</u> <u>mr/hr</u>	<u>Sta.19</u> <u>mr/hr</u>	<u>Sta.20</u> <u>mr/hr</u>	<u>Sta.22</u> <u>mr/hr</u>	<u>Sta.23</u> <u>mr/hr</u>
3	58.8	165	1990	960	11.0	4.55
6	150	352	4360	2020	19.9	922
10	70.0	173	2610	1320	9.05	507
16	23.7	65.2	1210	535	2.73	201
20	17.6	45.5	860	359	1.90	137
24	13.0	36.2	721	304	1.45	113
30	8.59	24.2	500	211	0.908	74.8
42	4.80	13.3	274	119	0.479	39.6
50	3.93	11.0	230	96.0	0.407	33.3
60	3.07	8.75	182	84.8	0.324	25.1
70	2.50	7.25	159	71.1	0.267	21.2
80	1.79	4.73	96.2	47.7	0.190	13.3
90	1.69	4.43	88.1	42.8	0.184	13.3
100	1.45	3.99	84.0	36.6	0.169	11.7
110	1.34	3.41	71.1	31.7	0.153	10.2
120	0.947	2.38	47.1	21.3	0.110	7.03

Dose Rate-Station 25-YAG 39 TEWA

<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>
2.00	0.17	13.0	1080
2.12	2.15	16.0	748
2.23	10.2	18.0	642
2.32	26.9	20.0	533
2.48	86.1	21.1	424
2.73	232	27.1	350
3.00	457	29.0	329
3.17	553	30.0	317
3.48	1080	32.0	295
3.73	1520	35.0	253
4.00	2280	39.1	198
4.23	3060	42.2	176
4.57	3680	46.2	159
4.73	3770	49.0	148
5.00	3800	50.0	142
5.82	3160	51.0	141
6.00	3000	54.0	131
6.73	2680	57.9	119
7.00	2540	62.0	110
8.00	2190	66.0	101
9.00	1760	69.1	94.1
10.0	1640	70.0	92.0
		76.0	81.5
		78.3	73.1
		79.7	72.5

Dose Rate - YAG 39 - TEWA

<u>Station 26</u>		<u>Station 25</u>			
<u>H:hr</u>	<u>mr/hr</u>	<u>H:hr</u>	<u>mr/hr</u>	<u>H:hr</u>	<u>mr/hr</u>
2.57	0.81	2.17	1.39	40.0	45.0
2.73	1.44	2.23	3.41	41.9	42.4
2.82	1.91	2.32	8.05	44.0	39.1
3.00	2.84	2.40	14.2	45.9	36.6
3.17	2.93	2.45	24.9	47.9	36.5
3.48	6.98	2.57	39.1	50.0	33.1
3.73	9.15	2.73	77.4	51.9	33.6
4.00	15.5	2.93	130	53.8	31.3
4.23	21.8	3.03	153	56.0	29.3
4.73	28.7	3.23	232	58.0	26.1
5.15	25.6	3.58	393	60.0	24.5
5.57	23.2	4.00	748	62.0	22.9
6.00	21.8	4.23	968	64.0	22.9
6.23	21.8	4.45	1120	66.0	22.9
6.73	20.1	4.82	1520	68.0	22.9
7.00	18.6	5.00	1120	70.0	21.2
8.00	15.5	5.33	1300	72.0	19.8
9.00	12.3	6.00	968	74.0	18.9
10.0	11.5	6.48	859	76.0	18.1
13.0	8.52	7.15	749	78.0	15.0
16.0	5.91	7.57	690	80.0	15.0
18.0	4.84	8.00	641		
20.0	3.93	8.57	596		
24.1	1.68	9.00	532		
27.1	1.29	9.57	510		
29.0	1.12	10.2	489		
30.0	1.16	10.6	446		
32.0	1.41	11.0	424		
35.0	1.24	11.6	404		
39.1	1.05	12.0	371		
42.0	1.06	12.6	349		
		13.2	328		
		14.0	286		
		15.0	254		
		16.0	232		
		17.0	211		
		18.0	201		
		20.0	159		
		22.0	142		
		24.0	125		
		26.0	112		
		28.0	92.2		
		30.1	87.0		
		32.1	82.7		
		34.0	77.4		
		35.9	67.0		
		38.0	58.1		

Dose Rate - YAG 39 - TENA

Station 39

<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>
2.23	13.4	42.0	70.7	12.6	3.58	4.23	11.3	64.0	0.55
2.32	23.6	44.0	65.6	13.0	3.33	4.45	16.4	66.2	0.52
2.40	46.0	45.9	61.4	14.0	2.98	4.98	23.3	68.1	0.47
2.45	70.7	48.0	60.4	15.0	2.82	5.33	21.5	70.0	0.43
2.57	123	50.0	59.3	16.0	2.98	6.00	19.7	72.0	0.46
2.73	324	52.0	57.3	17.0	2.78	6.48	18.0	74.1	0.44
2.90	440	54.0	55.2	18.0	2.90	7.15	16.4	76.0	0.43
3.03	641	56.0	51.1	20.0	2.98	7.57	14.6	78.0	0.42
3.23	970	58.0	50.1	22.0	2.67	8.00	14.5	80.2	0.40
3.58	1260	60.0	46.0	24.0	2.55	8.57	11.3		
4.00	2600	62.0	45.0	26.0	2.90	9.00	11.3		
4.23	3870	64.0	42.9	28.0	3.13	9.57	11.3		
4.45	5380	66.0	41.9	30.1	2.98	10.1	11.1		
4.82	5510	68.0	39.8	32.1	2.90	10.6	10.5		
5.33	5010	70.0	38.8	34.0	3.05	11.0	9.67		
6.00	3710	72.0	36.8	35.9	3.12	11.6	8.03		
6.48	3050	74.0	34.7	38.0	2.60	12.0	8.03		
7.15	2560	76.0	34.7	40.0	2.46	12.6	8.03		
7.57	2270	78.0	28.6	42.0	2.36	13.2	8.03		
8.00	2040	80.0	28.6	44.0	2.26	14.0	7.86		
8.57	1800			45.9	2.52	15.0	6.55		
9.00	1650			48.0	2.22	16.0	5.89		
9.57	1430	<u>Station 58</u>		50.0	2.08	17.0	5.56		
10.1	1240			52.0	1.97	18.0	5.08		
10.6	1010	2.57	0.26	54.0	1.90	20.0	4.75		
11.0	728	2.90	0.80	56.0	2.06	22.0	1.96		
11.6	602	3.03	1.07	58.0	2.00	24.0	1.21		
12.0	540	3.23	1.32	60.0	1.97	26.0	1.03		
12.6	483	3.58	2.36	62.0	1.90	28.0	0.85		
13.2	478	4.00	5.29	64.0	1.75	30.1	0.97		
14.0	389	4.23	7.64	66.0	1.77	31.7	1.62		
15.0	368	4.45	9.20	68.1	1.75	32.1	1.38		
16.0	298	4.95	10.6	70.0	1.65	34.0	1.57		
17.0	263	5.33	9.86	72.0	1.59	35.9	1.64		
18.0	218	6.00	8.03	74.0	1.58	38.0	1.33		
19.7	193	6.48	8.67	76.0	1.55	40.0	1.25		
22.0	188	7.15	11.4	78.0	1.61	41.9	1.69		
24.0	166	7.57	13.9	80.1	1.11	44.0	0.91		
26.0	155	8.00	14.5			45.9	0.83		
28.0	144	8.57	14.5	<u>Station 64</u>		48.0	0.71		
30.1	134	9.00	15.1			50.0	0.65		
32.1	102	9.57	10.8	2.57	0.35	52.0	0.66		
34.0	102	10.1	5.59	2.90	1.43	54.0	0.61		
35.9	102	10.6	4.56	3.03	1.89	56.0	0.59		
38.0	91.6	11.0	4.30	3.23	2.36	58.0	0.60		
40.0	70.7	11.6	3.97	3.58	4.10	60.2	0.58		
		12.0	3.72	4.00	9.67	62.0	0.57		

Dose Rate = YAG 39 TBWA

<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>
<u>Station 67</u>				<u>Station 68</u>			
		38.0	135			15.0	393
2.13	10.3	40.0	97.4	2.03	3.16	15.4	301
2.23	23.9	42.0	102	2.20	15.8	16.0	281
2.32	65.6	44.0	95.1	2.23	24.1	16.5	292
2.40	111	45.9	91.6	2.32	47.6	17.0	271
2.45	171	47.9	89.3	2.42	82.8	17.6	241
2.57	266	50.0	84.6	2.52	134	18.0	230
2.73	572 572	52.0	82.4	2.65	229	19.0	210
2.90	1370	54.0	78.4	2.77	332	20.0	198
3.03	1710	56.0	74.9	2.90	819	21.0	205
3.23	1790	58.0	72.1	3.00	1340	22.0	200
3.58	2610	60.2	68.6	3.00	1340	23.0	195
4.00	4510	62.0	66.3	3.23	1350	24.0	178
4.23	6820	64.0	65.2	3.40	1490	24.0	170
4.45	9180	66.0	63.5	3.57	1760	25.0	179
4.65	7630	68.1	58.9	3.73	1920	26.0	160
5.00	6050	70.0	58.2	3.90	2840	27.0	159
5.33	5660	72.1	56.8	4.00	3380	28.0	156
6.00	3370	74.2	53.7	4.27	5030	29.0	154
6.48	2700	76.0	50.9	4.45	5900	30.0	150
7.15	2240	78.0	42.9	4.67	5420	30.3	150
7.57	1940	80.2	43.0	4.97	5030	31.0	148
8.00	1710			5.20	4640	32.0	148
8.57	1340			5.43	4010	33.0	145
9.00	1190			5.67	3380	34.0	140
9.57	1070			6.02	2920	35.0	125
10.0	1040			6.23	2610	37.0	127
10.6	901			6.48	2460	38.0	125
11.0	887			6.78	2060	39.0	96.7
11.6	797			7.07	1920	40.1	90.7
12.0	724			7.55	1600	41.1	92.7
12.6	694			8.00	1410	42.0	92.7
13.2	664			8.23	1340	43.0	88.7
14.0	524			8.55	1110	44.0	87.7
15.0	502			9.00	948	45.0	85.7
16.0	388			9.58	866	46.0	83.7
17.0	365			10.0	777	48.0	81.7
18.0	318			10.5	713	50.0	78.7
20.0	260			11.0	698	52.0	75.7
22.0	253			11.3	675	54.1	72.7
24.0	230			11.7	592	56.0	68.7
26.0	226			12.1	553	58.1	65.7
28.0	191			12.5	523	60.0	63.7
30.1	183			12.9	508	62.1	61.2
32.1	174			13.4	459	64.0	59.7
34.0	168			13.6	434	66.0	58.2
36.0	144			14.0	403	69.0	54.2
				14.5	403	71.0	52.7
						72.9	52.6
						74.9	48.7
						77.0	47.2
						80.0	39.7
						(36.0	124)

Dose Rate - Station 70 - YAG 39 - TEWA

<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>
1.82	0.14	15.4	25.7	64.2	4.77
2.15	2.05	16.0	25.7	66.0	4.30
2.23	7.50	16.5	24.6	69.0	4.08
2.32	18.8	17.0	23.3	72.9	3.95
2.42	30.0	17.6	21.7	74.9	3.75
2.52	47.2	18.0	20.6	77.0	3.60
2.57	71.3	19.0	19.3	80.1	3.17
2.65	108	20.0	17.8		
2.77	158	21.0	15.7		
3.00	183	23.0	14.3		
3.20	289	24.0	13.0		
3.43	473	25.0	12.7		
3.57	632	26.0	12.3		
3.73	746	27.0	10.9		
3.90	1200	28.0	10.8		
4.00	1670	29.0	10.7		
4.27	2650	30.0	10.8		
4.45	3320	30.3	10.4		
4.67	2980	30.7	10.9		
4.97	1610	31.0	11.4		
5.20	1310	31.3	11.8		
5.43	812	31.7	11.7		
5.67	541	32.0	11.4		
6.02	427	32.4	11.5		
6.23	369	33.1	11.4		
6.48	306	34.0	10.9		
6.78	236	35.0	10.1		
7.15	232	36.0	10.0		
7.55	234	37.0	9.45		
8.00	145	38.0	9.34		
8.23	120	39.0	7.58		
8.55	108	40.1	7.47		
9.00	88.3	41.1	8.05		
9.58	77.3	42.0	8.17		
10.1	71.3	43.0	6.18		
10.5	58.2	44.0	6.35		
11.0	53.3	45.0	6.18		
11.3	49.6	46.0	5.90		
11.7	44.8	47.2	5.60		
12.1	43.7	48.1	5.54		
12.5	41.2	50.0	5.54		
12.9	38.9	52.0	5.43		
13.3	36.5	54.2	5.25		
13.6	32.9	56.0	5.07		
14.0	31.7	58.2	5.03		
14.5	30.5	60.1	4.84		
15.0	30.5	62.0	4.77		

Dose Rate — Station 71 - YAG 39 — TOWA

<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>
2.32	0.30	17.2	25.3	58.2	2.37
2.52	0.98	17.6	25.0	60.0	2.31
2.65	1.54	18.0	25.0	62.0	2.23
2.77	2.52	19.0	23.4	64.0	2.17
3.00	5.29	20.0	21.7	66.0	2.08
3.23	6.68	21.0	18.5	69.0	2.00
3.40	9.01	22.0	9.01	72.9	1.84
3.57	12.2	23.0	6.37	77.0	1.67
3.73	14.4	24.0	5.60	80.2	1.58
4.00	28.3	25.0	4.83		
4.27	45.9	26.0	4.36		
4.45	64.8	27.0	4.06		
4.67	80.3	28.0	3.61		
4.97	91.0	29.0	3.29		
5.08	86.1	30.0	4.06		
5.43	79.4	30.3	3.91		
5.67	76.0	30.7	4.83		
6.02	80.3	31.0	5.75		
6.28	76.4	31.3	7.46		
		31.7	7.92		
6.53	72.6				
6.78	71.7	32.0	7.46		
7.07	67.7	32.4	7.30		
7.55	62.1	33.1	7.61		
8.00	59.0	34.0	6.84		
8.23	57.1	35.0	7.30		
8.55	55.1	36.0	7.30		
9.07	49.5	37.0	7.14		
9.67	46.9	38.0	7.30		
10.1	46.9	39.0	6.68		
10.5	44.5	40.1	7.14		
11.0	41.5	40.8	9.01		
11.5	38.0	41.1	8.23		
11.7	35.7	42.0	8.23		
12.1	35.8	43.0	4.75		
12.5	37.2	44.0	4.36		
13.1	35.9	45.0	4.21		
13.3	34.4	46.0	3.76		
13.6	34.3	47.2	3.60		
14.2	33.7	48.0	3.46		
14.5	32.6	49.0	3.29		
15.2	28.9	50.0	2.98		
15.4	28.5	52.0	2.76		
16.2	27.2	54.2	2.46		
16.5	26.6	56.0	2.40		

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TABULATED DOSE RATES -- YAG 40

Shot TEWA

~~CONFIDENTIAL~~

YAC-40 -- TEWA

Dose Rate-Station 2

H:hr	mr/hr	H:hr	mr/hr
4.83	0.85	33.2	5.98
5.00	4.91	34.2	5.84
5.13	15.1	35.2	5.53
5.40	24.6	36.2	5.36
5.62	55.7	37.2	5.53
5.92	84.2	38.2	5.22
6.10	106	39.2	5.06
6.40	109	40.2	4.76
6.65	104	41.2	4.44
6.90	100	42.2	4.36
7.15	107	43.2	4.27
7.40	116	44.2	4.06
7.73	124	45.2	3.97
8.23	113	46.2	3.85
8.73	95.8	47.2	3.80
9.25	109	48.2	3.68
9.75	84.3	49.2	3.66
10.2	102	50.2	3.44
10.8	77.3	51.2	3.44
11.2	76.2	52.2	3.36
11.7	95.8	53.2	3.34
12.2	107	54.2	3.32
12.7	95.8	56.2	3.13
13.2	81.9	58.2	3.06
13.8	67.1	60.2	2.96
14.2	55.7	62.2	2.83
14.7	53.4	64.2	2.75
15.3	49.0	66.2	2.68
15.7	45.6	68.2	2.58
16.2	37.7	70.2	2.51
16.7	44.4	72.2	2.43
17.3	40.0	75.1	2.31
17.8	44.4		
18.3	33.1		
19.2	50.2		
20.2	31.3		
21.2	13.8		
22.2	3.36		
23.2	10.5		
24.2	9.90		
25.2	9.27		
26.2	8.95		
27.2	7.71		
28.2	7.56		
29.2	7.08		
30.2	6.76		
31.2	6.46		
32.2	6.14		

Dose Rate-Station 9

H:hr	mr/hr	H:hr	mr/hr
4.35	0.0017	31.2	0.554
4.60	0.0057	32.2	0.527
4.73	0.0134	33.4	0.439
4.95	0.127	34.1	0.432
5.20	0.598	35.3	0.415
5.43	1.08	36.1	0.403
5.58	1.33	38.4	0.339
5.88	1.76	40.4	0.307
6.10	1.86	42.2	0.292
6.38	1.90	44.2	0.262
6.62	1.98	46.2	0.207
6.85	2.13	48.2	0.193
7.10	2.23	50.2	0.191
7.28	2.24	52.2	0.179
7.70	2.21	54.2	0.173
8.23	2.03	56.2	0.167
8.75	1.94	58.2	0.159
9.25	2.09	60.2	0.152
9.75	1.89	62.2	0.139
10.3	1.85	64.2	0.133
10.8	1.79	66.2	0.129
11.2	1.80	68.2	0.127
11.7	1.56	70.2	0.126
12.2	1.60	72.2	0.118
12.8	1.57	75.2	0.113
13.2	1.48		
13.8	1.40		
14.2	1.35		
14.7	1.32		
15.2	1.25		
15.8	1.21		
16.2	1.15		
16.7	1.13		
17.2	1.09		
17.8	1.05		
18.2	1.01		
19.2	0.992		
20.2	0.927		
21.2	0.881		
22.2	0.832		
23.2	0.784		
24.2	0.770		
25.2	0.702		
26.2	0.670		
27.3	0.608		
28.2	0.596		
29.3	0.576		
30.2	0.568		

YAG-40 — TEWA

Dose Rate-Station 13

H-hr	r/hr	H-hr	r/hr
4.48	0.0010	37.0	1.08
4.62	0.0097	38.0	0.730
4.75	0.0252	39.0	0.660
4.90	0.111	40.0	0.588
4.97	0.233	41.0	0.572
5.07	0.793	42.0	0.566
5.15	1.20	43.0	0.512
5.32	2.41	44.0	0.478
5.48	3.52	45.0	0.470
5.73	5.08	46.0	0.260
6.00	6.31	48.0	0.243
6.23	6.76	50.0	0.215
6.73	7.22	52.0	0.203
7.00	7.22	54.0	0.172
7.23	7.43	55.0	0.181
7.73	6.65	57.0	0.172
8.00	6.19	59.0	0.154
8.23	5.97	61.0	0.154
8.57	5.97	63.0	0.152
9.00	6.54	65.0	0.140
9.23	6.65	68.0	0.132
10.0	6.65	72.0	0.123
11.0	6.65	75.0	0.115
11.6	6.65		
12.0	6.54		
13.0	5.64		
14.0	5.42		
15.0	4.29		
16.0	3.97		
17.0	3.84		
18.0	3.52		
19.0	3.29		
20.0	3.18		
21.0	3.08		
22.0	2.96		
23.0	2.86		
24.0	2.74		
25.0	2.64		
26.0	2.52		
26.6	2.08		
27.0	1.47		
28.0	1.42		
29.0	1.42		
30.0	1.36		
31.0	1.35		
32.0	1.30		
33.0	1.25		
34.0	1.22		
35.0	1.19		
36.0	1.14		

Dose Rate-Station 14

H-hr	r/hr	H-hr	r/hr
4.62	0.0055	36.0	1.15
4.75	0.0147	37.0	1.08
4.90	0.0783	38.0	0.826
4.98	0.193	39.0	0.704
5.07	0.478	40.0	0.696
5.15	0.774	42.0	0.670
5.32	1.31	44.0	0.549
5.48	1.92	45.6	0.319
5.73	2.72	46.0	0.264
6.00	3.52	48.0	0.253
6.23	3.87	50.0	0.221
6.73	3.95	52.0	0.221
7.00	4.33	54.0	0.199
7.23	4.49	55.0	0.178
7.73	4.32	57.0	0.168
8.00	3.96	59.0	0.152
8.23	4.05	61.0	0.143
8.57	4.05	63.0	0.136
9.00	4.41	65.0	0.131
9.23	4.67	68.0	0.120
9.77	4.94	72.0	0.117
10.0	4.85	75.0	0.100
10.2	4.94		
10.6	5.04		
11.0	4.85		
11.6	4.85		
12.0	4.48		
13.0	4.14		
14.0	3.78		
15.0	3.17		
16.0	2.98		
17.0	2.81		
18.0	2.62		
19.0	2.46		
20.0	2.19		
21.0	2.01		
22.0	1.90		
23.0	1.82		
24.0	1.75		
25.0	1.66		
26.6	1.62		
27.0	1.48		
28.0	1.42		
29.0	1.40		
30.0	1.36		
31.0	1.31		
32.0	1.28		
33.0	1.26		
34.0	1.23		
35.0	1.17		

~~CONFIDENTIAL~~ Dose Rate - YAG -40 --- TEMA

<u>H+hr</u>	<u>Sta.16</u> <u>mr/hr</u>	<u>Sta.17</u> <u>mr/hr</u>	<u>Sta.18</u> <u>mr/hr</u>	<u>Sta.20</u> <u>mr/hr</u>	<u>Sta. 21</u> <u>mr/hr</u>	<u>Sta.22</u> <u>mr/hr</u>	<u>Sta.24</u> <u>mr/hr</u>
10	2610	46.8	113	962	534	6.52	1520
15	1660	26.2	66.0	638	374	3.82	939
20	1300	16.8	44.4	400	265	1.96	718
25	1040	12.4	38.5	312	209	1.42	580
30	719	6.80	22.7	238	111	0.763	385
40	315	2.83	9.27	95.5	48.6	0.336	199
50	161	1.18	3.73	36.7	20.3	0.131	79.3
60	110	0.885	2.87	27.5	14.6	0.107	60.0
70	90.0	0.752	2.36	21.6	11.5	0.092	49.8

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C O U N T Y O F T E X A S

YAG-40 - TEMA

Dose Rate-Station 25

Dose Rate-Station 26

<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>
4.63	1.15	28.2	111
4.90	7.49	29.2	107
5.18	134	30.2	104
5.48	283	31.2	103
5.73	458	32.2	98.2
5.98	496	33.2	94.5
6.23	560	34.2	91.8
6.58	560	35.2	90.1
6.73	560	36.2	87.0
6.98	599	37.2	82.7
7.23	639	37.9	72.4
7.48	599	38.3	54.3
7.73	560	40.2	50.6
7.98	548	42.2	49.0
8.22	523	44.2	41.3
8.48	523	45.2	32.9
8.73	523	47.2	28.6
8.98	509	49.2	24.4
9.23	547	51.2	24.4
9.73	547	53.2	23.6
10.2	547	55.2	22.8
10.7	535	57.2	21.8
11.2	523	59.2	20.1
11.7	496	61.2	18.6
12.2	483	62.2	16.1
12.7	458	63.2	18.6
13.2	432	65.2	16.1
13.7	394	67.2	15.3
14.2	368	69.2	15.3
14.7	343	71.2	14.6
15.2	298	73.2	13.1
15.7	285	75.2	12.8
16.2	279		
16.7	272		
17.2	257		
18.1	253		
19.2	228		
20.2	208		
21.2	190		
22.2	183		
23.2	174		
24.2	165		
25.2	159		
26.2	159		
27.2	116		

<u>H-hr</u>	<u>mr/hr</u>	<u>H-hr</u>	<u>mr/hr</u>
5.15	1.73	29.3	0.990
5.48	3.92	30.2	0.956
5.72	5.83	31.3	0.905
5.98	7.74	32.2	0.879
6.23	9.14	33.2	0.848
6.48	9.32	34.2	0.814
6.73	9.84	35.3	0.897
6.97	10.4	36.2	0.767
7.23	10.9	37.3	0.743
7.50	11.6	38.2	0.644
7.72	11.8	39.3	0.617
7.98	11.1	40.2	0.593
8.22	10.7	42.2	0.564
8.48	10.6	44.1	0.513
8.75	10.0	46.3	0.435
8.98	10.0	48.3	0.417
9.23	9.84	50.4	0.386
9.73	8.61	52.2	0.370
10.2	8.97	54.1	0.364
10.7	7.92	56.5	0.340
11.2	7.56	58.5	0.335
11.7	8.09	60.1	0.330
12.2	8.09	62.2	0.320
12.7	7.56	64.3	0.309
13.2	7.03	66.0	0.301
13.7	6.69	68.5	0.287
14.2	5.83	70.2	0.275
14.7	5.49	73.9	0.258
15.2	4.86		
15.8	4.71		
16.2	4.28		
16.8	4.53		
17.2	4.32		
17.7	4.37		
18.2	3.92		
19.3	3.33		
20.3	2.50		
21.3	1.87		
22.3	1.65		
23.2	1.53		
24.3	1.43		
25.3	1.35		
26.2	1.27		
27.2	1.11		
28.3	1.05		

C O U N T Y O F T E X A S

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Dose Rate — YAG-40 — TEWA

Station 28

Station 39

<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>
4.73	1.12	29.3	38.1	4.78	7.64	28.2	38.2
4.87	4.17	30.1	37.3	5.00	47.4	29.2	36.0
4.98	16.0	31.2	36.8	5.23	175	30.2	33.8
5.18	65.4	32.4	35.2	5.48	300	31.2	33.8
5.50	123	33.3	34.1	5.72	496	32.3	33.1
5.70	168	34.2	33.0	6.07	452	33.2	31.3
5.98	206	35.2	32.1	6.23	462	34.2	28.0
6.22	231	35.1	31.1	6.40	452	35.2	30.8
6.48	228	37.2	29.6	6.78	452	36.3	29.7
6.75	233	38.2	21.9	6.93	454	37.3	28.0
7.00	236	40.2	18.6	7.27	486	38.2	21.1
7.23	269	42.2	17.6	7.40	482	40.3	19.2
7.48	254	46.3	9.13	7.77	447	42.3	19.5
7.73	250	48.2	9.11	7.93	430	44.2	17.2
7.98	242	50.2	7.83	8.32	399	46.3	11.6
8.20	232	52.2	7.51	8.52	384	48.2	12.2
8.48	223	54.2	7.04	8.73	366	50.3	10.3
8.72	210	56.2	6.71	8.93	367	52.3	10.3
8.97	208	58.2	6.56	9.15	358	54.3	9.23
9.22	208	60.2	6.07	9.85	311	56.3	9.47
9.70	208	62.2	5.92	10.4	292	58.2	7.92
10.2	199	64.2	5.60	10.6	281	60.3	7.72
10.7	191	66.3	5.60	11.2	262	62.2	7.61
11.2	184	68.3	5.28	11.9	236	64.2	7.65
11.8	161	70.3	5.12	12.2	205	66.3	7.33
12.2	172	72.2	4.97	12.7	205	68.3	7.05
12.8	159	74.2	4.49	13.2	199	70.3	6.95
13.3	152	74.2	15.1	13.7	180	72.2	6.79
13.7	143			14.2	169	74.2	6.40
14.3	132			14.7	157		
14.8	126			15.2	139		
15.2	112			15.7	151		
15.7	107			16.2	109		
16.2	102			16.7	109		
17.3	97.3			17.2	83.3		
18.2	92.5			17.7	79.8		
19.3	85.0			18.2	77.4		
20.2	75.2			19.3	74.0		
21.2	69.5			20.2	69.4		
22.3	64.4			21.2	65.8		
23.3	61.3			22.2	63.5		
24.3	58.6			23.2	59.0		
25.2	56.2			24.2	56.6		
26.2	51.8			25.2	54.2		
27.2	41.7			26.2	49.6		
28.2	40.0			27.2	41.7		

Dose Rate — YAG-40 — TEWA

Station 58

Station 64

<u>H:hr</u>	<u>mr/hr</u>	<u>H:hr</u>	<u>mr/hr</u>	<u>H:hr</u>	<u>mr/hr</u>	<u>H:hr</u>	<u>mr/hr</u>
5:32	0.586	29.3	0.769	5.12	2.61	29.2	1.95
5:48	0.899	30.2	0.755	5.48	4.20	30.2	2.02
5:72	1.27	31.3	0.759	5.72	6.92	31.2	1.78
5:97	1.63	32.3	0.721	6.00	9.55	32.2	1.70
6:25	2.01	33.2	0.694	6.23	11.2	33.2	1.60
6:50	2.14	34.3	0.674	6.48	11.4	34.2	1.56
6:73	2.29	35.2	0.645	6.73	13.1	35.2	1.35
7:00	2.43	36.3	0.616	6.98	14.9	36.2	1.42
7:25	2.59	38.2	0.586	7.23	14.9	38.3	1.31
7:50	2.67	40.2	0.566	7.48	17.0	40.3	1.16
7:73	2.80	42.3	0.532	7.73	17.2	42.3	1.09
7:98	2.80	44.2	0.518	7.98	17.7	44.2	1.05
8:23	2.72	46.2	0.462	8.23	17.7	46.2	0.98
8:48	2.63	48.3	0.486	8.48	18.6	48.2	0.97
8:72	2.54	50.1	0.491	8.73	18.6	50.2	0.87
8:98	2.59	52.1	0.522	8.90	17.0	52.2	0.85
9:22	2.64	54.3	0.496	9.23	15.5	54.2	0.82
9:77	2.47	56.3	0.370	9.73	14.5	56.1	0.80
10:2	2.47	58.3	0.567	10.2	14.7	58.3	0.77
10:7	2.26	60.2	0.542	10.7	12.6	60.2	0.75
11.2	2.39	62.2	0.503	11.2	12.7	62.2	0.65
11.7	2.26	64.2	0.464	11.7	13.2	64.2	0.70
12.2	2.25	66.3	0.476	12.2	13.4	66.2	0.68
12.7	2.25	68.2	0.580	12.7	13.7	68.3	0.65
13.3	2.14	70.2	0.699	13.2	13.4	70.2	0.63
13.8	1.97	72.2	0.456	13.7	10.2	72.2	0.54
14.2	1.94	74.3	0.412	14.2	9.40	74.1	0.61
14.8	1.88			14.7	9.26		
15.3	1.80			15.2	8.47		
15.7	1.77			15.7	8.79		
16.3	1.59			16.3	7.40		
16.7	1.55			16.7	7.86		
17.3	1.44			17.2	7.55		
17.7	1.43			17.7	7.86		
18.2	1.31			18.2	7.07		
19.3	1.44			19.2	6.31		
20.3	1.44			20.2	4.78		
21.2	1.23			21.2	3.59		
22.2	1.17			22.2	3.13		
23.2	1.07			23.2	2.91		
24.3	1.03			24.2	2.54		
25.2	0.969			25.2	2.27		
26.3	0.909			26.3	2.34		
27.2	0.895			27.3	2.19		
28.3	0.855			28.2	2.10		

Dose Rate -- YAG-40 -- TEMA

Station 67

<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>
4.57	5.65	39.0	102
4.82	29.5	41.0	100
4.90	97.5	42.0	98.3
5.00	275	44.0	84.6
5.07	516	46.0	57.9
5.23	583	48.0	62.9
5.32	807	50.0	54.2
5.60	1270	52.0	55.7
6.00	1800	54.0	48.8
6.40	2060	56.0	49.8
6.57	1880	58.0	45.6
7.00	1970	60.0	42.9
7.57	2060	62.0	42.9
8.00	1880	64.0	42.9
8.57	1630	66.0	41.7
9.00	1580	68.0	38.1
9.57	1580	70.0	39.3
10.0	1410	72.0	36.9
10.6	1320	74.0	32.1
11.0	1240	75.0	32.1
11.6	1170		
12.0	1100		
12.6	1120		
13.0	1040		
13.6	951		
14.0	849		
14.6	764		
15.0	799		
15.6	1050		
16.0	976		
16.6	959		
17.0	409		
17.6	409		
18.0	496		
19.0	492		
21.0	440		
23.0	395		
25.0	376		
27.0	296		
29.0	285		
31.0	266		
33.0	256		
35.0	236		
37.0	225		

Station 68

<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>
4.56	4.03	39.0	79.0
4.81	20.0	41.0	77.0
4.90	72.7	42.0	76.0
5.00	190	44.0	63.4
5.07	363	46.0	46.5
5.23	492	48.0	47.9
5.32	662	50.0	40.6
5.60	1020	52.0	41.6
6.00	1330	54.0	35.8
6.40	1330	56.0	36.2
6.57	1300	58.0	32.9
7.00	1290	60.0	32.0
7.57	1040	62.0	35.6
8.00	920	64.0	33.2
8.57	800	66.0	32.0
9.00	816	68.0	30.8
9.57	728	70.0	29.6
10.0	664	72.0	29.6
10.6	624	74.0	21.1
11.0	592	75.0	26.0
11.6	507		
12.0	512		
12.6	452		
13.0	424		
13.6	376		
14.0	352		
14.6	320		
15.0	290		
15.6	320		
16.0	304		
16.6	293		
17.0	288		
17.6	282		
18.0	278		
19.0	283		
21.0	253		
23.0	254		
25.0	224		
27.0	161		
29.0	154		
31.0	146		
33.0	141		
35.0	131		
37.0	122		

████████████████████

Dose Rate -- YAG 40 -- TDNA

Station 70

<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>	<u>H+hr</u>	<u>mr/hr</u>
4.57	1.01	15.3	15.4	41.2	3.49
4.73	3.25	15.5	15.4	42.2	3.50
4.83	10.7	15.8	17.5	43.2	2.85
5.03	55.9	16.1	17.4	44.2	2.93
5.23	167	16.2	16.7	45.3	2.37
5.40	204	16.5	16.5	46.2	1.99
5.57	243	16.7	16.1	47.2	2.26
5.73	281	17.0	15.3	48.2	2.37
5.98	307	17.3	15.6	49.3	1.78
6.23	217	17.5	15.8	50.2	1.81
6.48	204	17.7	15.4	51.2	1.84
6.73	197	18.0	14.8	52.3	1.81
6.98	173	18.2	14.4	53.2	1.79
7.23	179	18.7	17.3	54.3	1.58
7.48	167	19.2	15.4	55.2	1.65
7.73	155	19.7	15.2	56.2	1.57
7.98	130	20.2	12.9	57.3	1.57
8.23	112	20.8	11.6	58.3	1.53
8.48	113	21.2	10.8	59.2	1.52
8.73	94.1	21.7	10.5	60.2	1.52
8.98	113	22.2	10.1	62.3	1.58
9.23	112	22.8	10.0	64.3	1.72
9.48	104	23.2	9.70	66.3	1.68
9.73	86.8	23.7	9.50	68.2	1.51
9.98	82.0	24.2	9.26	70.2	1.55
10.2	77.2	24.7	8.98	72.2	1.58
10.5	73.8	25.2	8.93	74.2	1.24
10.7	61.9	25.7	8.69		
11.0	67.7	26.2	7.08		
11.2	63.0	26.7	5.94		
11.5	53.6	27.2	6.10		
11.7	46.5	27.7	5.94		
12.0	41.9	28.2	6.10		
12.3	40.6	29.2	6.25		
12.5	37.1	30.2	6.10		
12.7	36.0	31.2	6.10		
13.0	30.7	32.2	6.10		
13.3	26.6	33.2	5.94		
13.5	25.2	34.2	5.78		
13.7	22.0	35.2	5.60		
14.0	19.8	36.2	5.60		
14.3	18.3	37.2	5.44		
14.5	17.3	37.7	4.96		
14.7	17.1	38.2	3.17		
15.0	15.7	39.2	3.25		
		40.2	3.41		

████████████████████

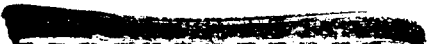


Dose Rate - YAG-40 - TEMA

Station 71

<u>H:hr</u>	<u>mr/hr</u>	<u>H:hr</u>	<u>mr/hr</u>	<u>H:hr</u>	<u>mr/hr</u>
5.08	1.60	15.8	40.7	60.3	3.09
5.23	5.65	16.3	37.2	62.3	3.18
5.40	11.2	16.6	38.8	64.2	3.25
5.57	20.9	17.1	37.8	66.2	3.04
5.73	28.4	17.6	37.8	68.2	2.81
5.98	35.7	17.9	37.6	70.2	2.86
6.23	46.7	18.1	35.6	72.3	2.74
6.40	52.7	18.7	34.6	74.2	2.64
6.60	56.0	19.4	34.6		
6.77	60.4	19.7	31.0		
6.92	67.6	20.2	23.6		
7.20	75.9	20.7	19.0		
7.45	79.7	21.2	15.1		
7.70	82.8	21.7	13.3		
7.93	84.8	22.2	12.8		
8.28	85.0	22.7	11.9		
8.52	85.9	23.2	11.2		
8.75	83.7	23.7	11.4		
8.98	82.8	24.2	10.9		
9.23	79.8	25.2	10.2		
9.50	72.3	26.2	10.0		
9.77	71.7	27.2	8.78		
9.98	76.0	28.2	8.63		
10.2	73.2	29.2	8.08		
10.4	72.3	30.2	7.76		
10.7	65.7	31.2	7.39		
11.0	63.7	32.2	6.89		
11.2	62.6	33.2	6.89		
11.5	59.1	34.2	6.70		
11.7	62.0	35.2	6.02		
12.0	64.8	36.2	6.02		
12.2	66.8	37.2	6.02		
12.5	70.5	38.2	5.33		
12.8	65.5	40.2	5.33		
12.9	60.2	42.3	5.15		
13.2	58.0	44.2	4.53		
13.4	54.8	46.2	4.18		
13.8	49.4	48.2	4.17		
14.2	46.9	50.2	3.84		
14.7	45.7	52.3	3.59		
15.0	40.9	54.2	3.57		
15.3	42.8	56.2	3.59		
15.6	43.5	58.2	3.50		

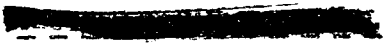




TABULATED DOSES

YAG 39

SHOT ZUNI



Dose - YAG 39 - Zuni

Sta. 9		Sta. 13		Sta. 14	
H ÷ hr	MF	H ÷ hr	MF	H ÷ hr	MF
4.07	0	4.07	0	4.07	0
10.4	0.147	7.40	0.90	12.0	1.00
11.8	0.294	11.2	1.80	12.5	2.00
12.2	0.441	12.0	2.70	12.9	3.00
12.6	0.588	12.5	3.60	13.3	4.00
12.9	0.735	12.8	4.50	13.5	5.00
13.1	0.882	13.1	5.40	13.8	6.00
13.3	1.03	13.3	6.30	14.1	7.00
13.4	1.18	13.5	7.20	14.3	8.00
14.8	2.40	13.8	8.10	14.7	10.0
15.5	3.60	14.0	9.00	14.9	11.0
16.4	6.00	14.1	9.90	15.4	21.0
17.0	8.40	14.7	11.7	17.3	31.5
17.7	12.0	16.0	22.0	18.6	52.5
19.3	24.0	16.8	33.0	19.6	73.5
20.7	36.0	17.5	44.0	20.9	105
23.1	60.0	17.9	55.0	23.5	168
25.1	79.9	18.7	77.0	25.1	210
25.3	84.0	19.8	110	26.8	252
28.5	120	23.0	220	29.1	315
30.7	144	25.9	330	32.4	420
34.2	180	28.9	440	38.1	525
41.3	240	30.4	495	41.3	588
46.7	276	32.0	550	46.5	672
50.6	300	39.3	770	50.9	735
54.9	324	46.3	936	55.2	788
60.4	351	50.7	1020	60.4	850
62.1	360	54.8	1100	65.2	903
64.7	372	60.6	1200	70.3	956
70.1	396	65.8	1270	77.0	1020
76.4	421	70.8	1350	79.4	1040
80.2	436	76.5	1430		
		79.9	1470		

Dose - YAG 39 - Zuni

Sta. 25		Sta. 28		Sta. 68	
H + hr	mr	H + hr	mr	H + hr	mr
11.5	0.165	12.4	0.147	12.0	1.10
12.4	0.330	13.8	0.294	12.9	2.20
12.9	0.495	14.7	0.441	15.2	3.30
13.6	0.825	15.9	0.735	17.2	5.50
14.2	1.16	16.6	1.03	17.9	7.70
14.9	1.65	17.5	1.47	18.5	11.0
16.2	3.30	19.4	2.94	22.7	22.0
17.1	4.95	20.9	4.41	28.6	33.0
18.3	8.27	23.9	7.35	34.5	40.7
19.2	11.6	27.0	10.3	36.8	44.0
20.4	16.5	31.5	14.7	43.8	55.0
22.7	24.7	35.1	17.6	47.7	60.5
23.5	28.1	39.1	20.6	51.4	66.0
24.6	33.0	42.4	22.8	59.0	77.0
28.3	49.5	47.9	25.6	63.9	83.6
32.2	66.0	54.1	27.9	67.5	88.0
36.8	82.5	56.5	29.4	72.1	93.5
42.0	99.0	62.2	31.6	76.8	99.0
44.5	105	66.2	33.1	80.8	103
49.4	116	72.8	35.3		
53.4	124	77.5	36.8		
56.8	132	81.1	37.8		
61.5	139				
62.5	140				
67.6	149				
72.0	155				



TABULATED DOSES

YAG 40

SHOT ZUNI



Dose - YAG 40 - Zuni

Sta. 9		Sta. 26	
H + hr	r	H + hr	nr
3.33	0.00014	4.23	0.170
4.28	0.0920	4.95	0.850
4.60	0.276	5.33	1.70
4.90	0.552	5.87	3.40
5.18	0.920	6.28	5.10
5.60	1.84	7.03	8.50
5.92	2.76	8.17	12.8
6.63	4.60	9.70	17.0
10.1	9.20	14.3	25.6
15.6	13.8	23.0	34.0
24.2	18.4	41.9	42.5
34.7	22.1	47.5	44.2
46.0	24.8	54.1	45.9
61.5	27.6	58.0	46.8
78.9	29.8	79.8	50.7

Dose - YAG 40 - Zuni

Sta. 13

Sta. 14

H + hr	r	H + hr	r
3.52	0.0011	3.50	0.0012
3.58	0.0022	3.57	0.0024
3.62	0.0033	3.62	0.0036
3.68	0.0055	3.68	0.0060
3.73	0.0076	3.75	0.0100
3.75	0.0112	3.87	0.0210
3.92	0.0226	3.95	0.0315
4.02	0.0339	4.08	0.0525
4.13	0.0565	4.15	0.0776
4.23	0.0848	4.32	0.174
4.42	0.174	4.48	0.261
4.53	0.261	4.65	0.435
4.70	0.435	4.78	0.609
4.83	0.609	4.95	0.870
4.98	0.870	5.32	1.74
5.32	1.74	5.55	2.61
5.53	2.61	5.95	4.35
5.88	4.35	6.32	6.09
6.18	6.09	6.80	8.95
6.37	7.38	8.70	18.0
7.42	14.8	12.2	27.0
8.62	22.2	17.3	36.3
11.8	37.1	20.3	40.9
16.1	51.9	22.4	43.5
18.7	59.3	25.8	47.9
21.8	66.7	27.9	49.6
25.4	74.2	29.7	51.4
29.5	81.5	31.6	53.1
34.2	88.9	33.6	54.8
39.5	96.3	35.7	56.6
42.4	100	37.9	58.3
43.9	102	40.3	60.0
45.5	104	42.8	61.8
47.1	105	45.5	63.5
48.8	107	48.3	65.2
50.7	109	51.2	67.0
54.6	112	54.5	68.8
59.2	116	58.0	70.5
64.4	119	61.7	72.2
67.1	121	66.5	74.0
73.0	124	71.0	75.7
79.4	127	75.7	77.4
		80.3	79.0

Dose - Sta. 25 - YAG 40 - Zami

<u>H + hr</u>	<u>F</u>
3.45	0.00016
3.63	0.00078
3.72	0.00156
3.87	0.00312
3.95	0.00468
4.02	0.00624
4.07	0.00780
4.12	0.00932
4.15	0.0117
4.67	0.0629
4.98	0.126
5.35	0.252
5.60	0.378
5.93	0.630
6.52	0.945
6.93	1.26
7.82	1.89
8.92	2.52
10.2	3.15
12.2	3.78
14.2	4.41
16.5	5.04
19.2	5.67
22.3	6.30
26.1	6.93
30.6	7.56
35.9	8.19
42.3	8.82
50.1	9.44
59.9	10.1
72.6	10.7
80.2	11.0

Dose - YAG 40 - Zuni

Sta. 28		Sta. 39	
<u>H + hr</u>	<u>F</u>	<u>H + hr</u>	<u>F</u>
3.52	0.0002	3.62	0.0011
3.78	0.0003	3.88	0.0056
4.02	0.0016	4.08	0.0112
4.12	0.0031	4.67	0.0780
4.28	0.0103	5.68	0.490
5.03	0.0515	6.40	0.780
5.47	0.103	7.73	1.56
6.17	0.206	9.82	2.34
6.60	0.309	18.6	3.90
7.57	0.515	46.9	5.85
9.15	0.772	58.5	6.24
11.2	1.03	79.2	6.79
17.4	1.55		
27.6	2.06		
44.9	2.58		
54.8	2.78		
75.2	3.09		
80.3	3.15		

Dose - YAG 40 - Zuni


Sta. 58		Sta. 64	
<u>H + hr</u>	<u>MF</u>	<u>H + hr</u>	<u>MF</u>
3.68	0.13	4.13	0.15
5.18	0.66	5.02	0.75
6.20	1.00	5.43	1.50
7.28	5.00	6.07	3.00
8.35	10.0	6.58	4.50
10.7	20.0	7.53	7.50
13.9	30.0	9.33	11.3
23.5	50.0	11.9	15.0
34.9	75.0	17.4	22.5
63.7	100	27.9	30.0
80.2	109	52.2	37.5
		78.6	42.0

Dose - 510 49 - Zuni

Sta 67

Sta 68


H + hr	F	H + hr	F
3.50	0.0012	3.50	0.0012
3.58	0.0024	3.57	0.0024
3.63	0.0036	3.62	0.0036
3.70	0.0060	3.68	0.0060
3.75	0.0084	3.72	0.0084
3.92	0.0196	3.87	0.0194
4.05	0.0294	4.00	0.0291
4.23	0.0490	4.30	0.0800
4.33	0.0686	4.63	0.160
4.45	0.0980	4.85	0.240
4.68	0.170	5.15	0.400
4.85	0.255	5.33	0.560
5.10	0.425	5.60	0.800
5.27	0.595	6.30	1.60
5.48	0.850	6.92	2.40
6.07	1.70	8.53	4.00
6.55	2.55	10.1	5.60
7.58	4.25	17.0	8.00
9.03	5.95	18.9	8.80
12.8	8.50	21.0	9.60
16.4	10.2	23.3	10.4
19.6	11.9		
21.6	12.8	25.8	11.2
23.5	13.6	28.5	12.0
25.6	14.5	31.4	12.8
27.7	15.3	34.6	13.6
29.9	16.2	38.0	14.4
32.3	17.0	41.7	15.2
34.8	17.9	45.8	16.0
37.4	18.7	50.2	16.8
40.3	19.6	52.6	17.2
43.3	20.4	55.0	17.6
46.9	21.3	57.5	18.0
50.7	22.1	60.2	18.4
54.5	23.0	63.0	18.8
58.3	23.8	66.0	19.2
62.2	24.7	69.2	19.6
67.0	25.5	72.5	20.0
72.2	26.4	76.1	20.4
75.0	26.8	80.3	20.8
77.8	27.2		
80.4	27.6		



Tabulated Doses

YAG 39

Shot FLATHEAD



Dose - YAG 39 - FLATHEAD

Sta. 9		Sta. 13		Sta. 14	
<u>H + hr</u>	<u>nr</u>	<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
4.92	0.490	4.31	0.0009	4.77	0.0010
5.00	0.900	5.18	0.0045	5.30	0.0050
5.48	3.32	5.40	0.0107	5.52	0.0097
5.75	3.61	5.68	0.0224	5.90	0.0199
6.12	9.02	5.98	0.0341	6.18	0.0301
6.88	20.7	7.35	0.110	7.18	0.105
7.43	32.5	8.40	0.220	8.48	0.210
8.32	56.1	10.3	0.440	10.3	0.420
9.08	79.8	12.9	0.770	12.8	0.735
9.30	85.6	16.1	1.10	16.3	1.05
10.2	115	23.4	1.65	24.2	1.58
11.8	173	34.1	2.20	39.9	2.10
13.6	234	50.7	2.75	76.6	2.63
14.6	263	76.2	3.08		
17.9	352				
21.6	435				
23.4	470				
28.5	552				
31.1	587				
33.8	609				
36.0	645				
41.7	702				
46.9	748				
53.8	793				
57.7	816				
62.1	838				
65.5	855				
71.8	882				
77.2	904				
80.2	914				

Dose - YAG 39 - FLATHEAD

Sta. 25		Sta. 28	
<u>H + hr</u>	<u>mr</u>	<u>H + hr</u>	<u>mr</u>
4.53	0.029	4.30	0.147
5.03	0.323	5.12	0.294
5.22	0.646	5.57	0.441
5.40	1.12	5.67	0.735
5.78	2.75	5.90	1.03
6.10	4.37	6.22	1.47
6.57	7.64	6.95	2.94
6.67	8.70	7.38	4.41
6.88	11.0	8.25	7.35
7.30	15.8	9.02	10.3
7.67	20.2	9.30	11.7
8.50	32.0	10.0	14.7
9.43	48.7	11.8	23.0
11.2	81.3	13.5	29.4
13.3	115	15.0	34.4
15.8	164	18.6	44.1
17.3	181	24.3	55.8
18.5	193	26.1	58.8
20.7	213	30.6	64.8
22.6	229	35.4	70.6
25.2	249	38.2	73.5
27.4	262	43.7	78.5
30.1	278	46.5	80.8
33.1	295	51.7	84.0
37.5	310	56.6	86.7
40.2	327	59.8	88.2
44.5	344	66.6	91.1
49.7	359	70.4	92.6
50.4	361	74.3	94.0
55.6	372	79.7	95.6
63.0	386		
71.9	401		
80.0	410		

Dose - YAG 39 - FLATHEAD

Sta. 39		Sta. 68	
H + hr	mr	H + hr	mr
4.78	1.10	4.43	1.10
5.53	2.20	6.08	5.50
6.00	3.30	6.98	10.3
6.57	5.50	8.07	20.9
6.93	7.70	8.98	30.7
7.48	11.0	9.95	40.5
8.87	22.0	10.8	50.3
10.2	33.0	16.7	100
12.9	55.0	25.1	150
16.5	77.0	36.2	200
23.6	110	50.4	250
29.4	132	69.1	300
32.7	143		
36.4	154		
40.5	165		
45.2	176		
50.6	187		
53.8	193		
57.1	198		
60.7	204		
64.4	209		
68.3	215		
72.4	220		
77.3	226		
79.6	228		



TABULATED DOSES

YAC 40

SECF FLATHEAD

~~SECRET~~

Dose - TAG 40 - Flathead

Sta. 9		Sta. 26	
<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>RF</u>
7.08	0	7.15	0.170
8.98	0.0028	11.0	0.340
9.57	0.0060	13.3	0.510
11.5	0.0397	14.7	0.850
12.6	0.176	17.2	1.19
14.7	0.350	21.0	1.70
15.7	0.528	24.2	2.04
19.6	0.783	28.0	2.38
21.7	0.952	32.2	2.72
24.0	1.13	36.0	3.06
26.6	1.30	39.9	3.40
29.3	1.47	44.1	3.74
32.3	1.64	49.2	4.08
35.4	1.81	52.1	4.25
39.2	1.97	55.3	4.42
43.5	2.13	58.6	4.59
48.8	2.29	62.8	4.76
52.3	2.37	65.0	4.93
55.7	2.44	68.5	5.10
59.3	2.51	72.3	5.27
63.4	2.59	76.5	5.44
67.7	2.65		
72.4	2.72		
77.1	2.78		

~~SECRET~~

Loose - MAG 40 - Flathead

Sta. 13		Sta. 14	
<u>H + hr</u>	<u>R</u>	<u>H + hr</u>	<u>R</u>
2.18	0.0069	2.93	0.0058
9.73	0.0489	9.87	0.0387
10.5	0.0921	10.6	0.0880
11.3	0.204	11.4	0.192
11.9	0.315	11.9	0.296
12.9	0.538	12.9	0.505
14.0	0.819	14.0	0.766
15.3	1.10	15.2	1.03
17.5	1.66	17.2	1.55
19.9	2.22	19.2	2.07
22.4	2.77	21.3	2.59
25.4	3.34	23.9	3.11
28.8	3.90	27.0	3.64
32.8	4.45	30.5	4.15
37.2	5.01	34.4	4.67
42.3	5.56	38.8	5.19
48.6	6.11	43.7	5.71
58.9	6.66	50.5	6.22
71.7	7.20	60.8	6.74
		73.4	7.23

Dose - YAG 40 - Flathead


Sta. 25

Sta. 64

<u>H + hr</u>	<u>Mr</u>	<u>H + hr</u>	<u>Mr</u>
8.00	0.030	2.75	0.150
8.85	0.560	7.05	0.300
9.57	1.91	10.2	0.450
10.2	4.85	12.2	0.750
10.6	7.84	13.8	1.05
10.7	9.30	16.4	1.50
11.7	21.8	20.5	2.25
12.4	34.2	25.3	3.00
13.7	59.0	28.0	3.30
15.2	83.8	30.9	3.60
17.1	121	33.3	3.90
20.5	163	35.8	4.20
24.5	245	38.3	4.50
28.5	295	40.9	4.80
32.0	331	43.8	5.10
35.9	368	46.8	5.40
38.9	392	50.0	5.70
42.1	416	53.3	6.00
45.6	441	56.9	6.30
50.3	464	60.9	6.60
53.2	477	64.8	6.90
56.2	488	68.9	7.20
59.5	499	73.1	7.50
62.9	511	77.6	7.80
66.6	523	79.8	7.95
70.4	534		
79.4	557		

Dose - YAG 40 - Flathead


Sta. 67		Sta. 68	
<u>H + hr</u>	<u>RF</u>	<u>H + hr</u>	<u>RF</u>
7.93	0.85	7.83	0.95
8.75	4.42	8.63	4.88
9.20	9.75	9.03	10.4
9.48	15.3	9.33	16.1
10.0	20.5	9.55	21.9
11.2	30.7	10.8	32.6
13.3	47.6	13.0	51.0
16.5	77.0	16.4	80.3
19.8	101	20.0	106
28.8	148	29.9	156
38.9	193	42.5	202
52.8	233	58.7	244
71.0	265	79.7	279



TABULATED DOSES

YAG 39

Shot Navajo





Dose - Sta. 9 - YAG 39 - Navajo

<u>H + hr</u>	<u>F</u>
2.08	0.00003
2.20	0.00016
2.30	0.00057
2.35	0.00114
2.43	0.00232
2.53	0.00469
2.60	0.00706
2.68	0.0107
2.90	0.0226
3.08	0.0345
3.23	0.0465
3.37	0.0585
3.60	0.0824
4.08	0.177
4.32	0.265
4.72	0.443
5.07	0.623
5.60	0.888
7.52	1.78
10.3	2.67
14.9	3.55
19.7	3.91
21.6	4.00
24.0	4.09
27.0	4.17
30.9	4.26
35.3	4.35
40.5	4.44
46.2	4.52
52.7	4.61
60.3	4.70
69.0	4.79



Dose - YAG 39 - Navajo

Sta. 13		Sta. 14		Sta. 25	
H + hr	r	H + hr	r	H + hr	r
3.15	0.088	3.10	0.083	2.40	0.00057
4.07	0.436	4.30	0.419	2.52	0.00131
4.55	0.871	4.70	0.839	2.62	0.00279
4.95	1.31	4.98	1.26	2.72	0.00427
5.43	1.74	5.23	1.68	2.90	0.00784
6.22	2.61	5.78	2.52	3.98	0.0500
8.87	4.35	7.10	4.20	4.40	0.102
15.6	6.52	9.23	6.30	4.73	0.155
36.4	7.84	12.3	8.40	4.98	0.207
64.3	8.72	17.2	10.1	5.58	0.312
72.0	8.89	26.5	10.9	6.78	0.522
		43.1	11.8	8.90	0.785
		69.8	12.6	12.2	1.05
		73.4	12.7	17.1	1.26
				26.0	1.36
				42.5	1.47
				69.6	1.58

Dose - YAG 39 - Navajo

Sta. 28		Sta. 39		Sta. 64	
H + hr	mr	H + hr	mr	H + hr	mr
2.35	0.024	2.37	1.00	2.53	0.060
2.60	0.599	2.98	5.00	4.07	0.650
2.75	1.33	3.40	10.0	4.53	1.40
2.90	2.06	3.67	15.0	4.93	2.20
3.02	2.78	3.82	20.0	5.28	3.00
3.22	4.25	4.02	30.0	5.90	4.60
3.57	7.16	4.27	50.0	6.90	7.70
3.83	10.6	4.48	74.0	8.45	11.7
4.88	52.3	8.05	390	9.53	15.6
5.87	105	12.9	625	11.4	18.8
6.92	158	15.3	702	12.9	21.9
8.28	210	19.7	780	13.6	23.5
10.1	262	38.2	1010	16.4	26.6
12.5	314	67.3	1090	18.9	29.7
15.7	367			20.4	31.2
26.7	419			31.1	38.8
52.4	470			47.5	46.2
71.6	489			59.8	48.9
				67.1	50.3
				73.6	51.2

Dose - YAG 39 - Navajo

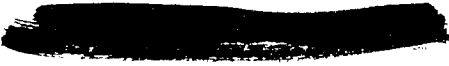
Sta. 67		Sta. 68	
<u>H + hr</u>	<u>mr</u>	<u>H + hr</u>	<u>mr</u>
2.57	7.60	2.93	10.0
3.68	38.0	4.00	50.0
4.08	76.0	4.27	100
4.37	114	4.68	150
4.63	152	4.98	200
5.10	228	5.65	300
6.15	380	7.18	500
7.73	570	9.77	750
9.72	760	13.6	1000
15.3	1140	34.0	1500
27.3	1520	42.2	1600
38.1	1900	52.2	1700
63.1	2050	65.0	1800
74.1	2160	74.2	1860



TABULATED DOSES

YAG 40

SHOT NAVAJO



Dose - YAG 40 - Navajo

Sta. 9		Sta. 13		Sta. 14	
H + hr	r	H + hr	r	H + hr	r
4.60	0.00006	5.90	0.00054	6.18	0.00054
6.58	0.00040	7.10	0.0025	7.15	0.0028
8.75	0.00920	8.18	0.0130	7.50	0.0046
9.40	0.0206	8.87	0.0235	8.18	0.0140
10.2	0.0442	9.38	0.0456	8.72	0.0241
10.9	0.0681	9.75	0.0678	9.25	0.0447
11.7	0.104	10.2	0.101	9.57	0.0654
13.9	0.226	11.4	0.213	9.98	0.0966
16.1	0.347	12.3	0.325	11.1	0.201
18.4	0.468	14.2	0.549	11.9	0.305
21.5	0.587	16.3	0.772	13.5	0.514
24.7	0.645	20.0	1.11	15.3	0.722
28.4	0.701	23.7	1.21	18.5	1.03
32.8	0.755	26.3	1.27	22.6	1.24
35.3	0.783	29.5	1.33	25.4	1.29
38.0	0.810	33.2	1.37	28.8	1.35
40.8	0.836	37.3	1.43	32.9	1.39
43.7	0.863	41.8	1.48	35.8	1.42
46.8	0.888	46.9	1.53	37.8	1.44
53.8	0.937	53.9	1.59	41.0	1.47
62.1	0.983	61.4	1.62	47.0	1.51
68.7	1.02	65.8	1.65	54.1	1.57
74.9	1.04	75.2	1.68	64.9	1.61
				75.2	1.64

Dose - YAG 40 - Navajo

Sta. 25		Sta. 26		Sta. 64	
<u>H + hr</u>	<u>mr</u>	<u>H + hr</u>	<u>mr</u>	<u>H + hr</u>	<u>mr</u>
6.70	0.103			9.75	0.178
7.38	0.480	8.98	0.102	10.6	0.432
8.30	1.91	10.1	0.255	11.5	0.831
8.90	3.41	11.3	0.573	13.9	2.19
9.43	6.44	12.3	0.896	16.3	3.55
9.83	9.49	13.8	1.38	18.5	4.93
10.3	14.1	16.2	2.19	21.3	6.27
11.6	29.5	18.8	3.00	25.6	7.52
12.7	45.0	19.4	3.17	26.6	8.96
15.2	75.9	21.9	3.79	30.2	10.3
18.3	106	25.5	4.58	34.5	11.5
20.2	122	30.1	5.35	39.6	12.7
23.1	130	35.9	6.10	42.0	13.4
25.2	133	38.5	6.40	45.5	13.9
27.4	136	41.4	6.69	48.8	14.5
30.0	140	44.5	6.98	52.5	15.0
36.1	147	47.9	7.26	56.6	15.5
39.5	151	51.6	7.56	61.2	16.0
47.3	157	59.8	8.08	65.7	16.5
55.0	162	68.6	8.61	70.5	16.9
66.3	166	73.5	8.87	74.7	17.3
75.4	168				

Dose - YAG 40 - Navajo

Sta. 67

Sta. 68

H + hr	mr
5.18	0.170
6.80	1.60
7.27	3.72
7.57	7.14
8.17	12.8
8.92	18.3
9.27	30.1
9.38	36.1
9.67	41.9
10.5	53.4
11.9	76.6
14.6	111
15.5	122
16.2	134
16.8	146
17.9	169
21.9	227
24.6	255
28.8	282
33.8	309
39.4	336
44.4	357
50.0	378
56.7	398
60.6	407
64.8	417
75.3	439

H + hr	mr
6.48	0.600
7.32	2.61
7.52	4.92
7.78	8.40
9.02	19.8
9.38	31.7
10.2	55.3
12.3	78.3
15.3	113
17.5	148
18.8	171
20.7	201
24.6	229
29.6	256
35.7	284
41.2	305
44.6	315
47.8	326
51.4	336
55.5	346
60.2	356
65.2	366
70.9	375
75.4	383

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TABULATED DOSES

YAG 39

Shot Tewa

~~CONFIDENTIAL~~

Dose - Sta. 9 - YAG 39 - Tewa

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
1.23	0.00004	18.5	51.6
1.82	0.00012	20.2	53.4
2.22	0.00177	24.3	57.0
2.30	0.00402	30.2	60.3
2.35	0.00756	34.6	62.2
2.45	0.0193	41.2	64.6
2.52	0.0312	47.5	66.4
2.62	0.0550	52.2	67.5
2.80	0.146	56.4	68.4
2.92	0.234	61.4	69.3
3.10	0.412	64.7	69.9
3.23	0.590	72.1	70.9
3.40	0.857	79.8	71.9
3.75	1.74		
3.97	2.63		
4.25	4.41		
4.45	6.19		
4.73	8.86		
5.50	15.0		
5.97	17.8		
6.80	23.1		
7.60	26.7		
10.1	35.6		
10.8	37.5		
13.8	44.5		
17.0	49.8		

Dose - Sta. 13 - YAG 39 - TEMA

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
2.07	0.00017	13.4	122
2.15	0.00116	14.8	131
2.22	0.00243	16.4	139
2.32	0.00940	18.3	148
2.38	0.0227	20.4	157
2.45	0.0445	22.9	165
2.50	0.0664	25.7	174
2.57	0.0996	29.3	183
2.63	0.154	33.7	191
2.72	0.241	39.8	200
2.82	0.415	45.3	205
2.90	0.589	49.3	209
3.00	0.850	53.7	212
3.23	1.72	58.7	216
3.40	2.59	63.5	218
3.65	4.33	68.3	221
3.83	6.07	75.0	224
4.05	8.68	80.4	227
4.57	17.4		
4.97	26.1		
5.92	43.5		
7.10	60.9		
9.32	87.0		
10.2	95.7		
11.2	104		
12.2	113		

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Dose - Sta. 14 - YAG 39 - Tewa

H + hr	F	H + hr	F
2.20	0.00097	17.7	131
2.27	0.00381	19.5	138
2.35	0.0115	23.5	152
2.42	0.0219	28.4	166
2.48	0.0427	31.6	173
2.53	0.0636	35.0	179
2.63	0.0949	39.3	186
2.73	0.200	42.4	190
2.83	0.338	45.6	193
2.93	0.475	51.3	199
3.03	0.682	57.7	204
3.27	1.37	63.4	207
3.43	2.06	72.1	214
3.67	3.44	80.4	218
3.90	4.82		
4.03	6.58		
4.48	13.8		
4.82	20.7		
5.65	34.5		
6.65	48.3		
8.42	69.0		
9.12	76.0		
10.7	89.7		
12.5	104		
14.8	117		
16.2	124		

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Dose - Sta. 25 - YAG 39 - Tewa

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
2.17	0.00010	26.1	28.8
2.23	0.00053	28.4	29.6
2.32	0.00198	30.9	30.4
2.37	0.00345	33.7	31.2
2.43	0.00641	36.9	32.0
2.57	0.0168	40.8	32.8
2.63	0.0273	45.6	33.6
2.73	0.0483	51.0	34.4
2.82	0.0692	57.2	35.2
2.90	0.101	64.5	36.0
3.13	0.206	73.1	36.8
3.28	0.311	80.3	37.6
3.52	0.521		
3.70	0.731		
3.92	1.05		
4.13	1.58		
4.40	2.38		
4.83	3.98		
5.25	5.58		
5.97	7.98		
9.48	16.0		
12.3	20.0		
16.7	24.0		
20.7	26.4		
22.4	27.2		
24.1	28.0		

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Dose - YAG 39 - Tewa

Sta. 26		Sta. 28	
H + hr	mr	H+hr	r
2.47	0.105	2.12	0.00011
2.51	0.251	2.25	0.00029
2.83	0.398	2.32	0.00057
2.90	0.697	2.35	0.00101
3.02	1.04	2.45	0.00246
3.15	1.49	2.52	0.00392
3.45	2.99	2.57	0.00685
3.65	4.49	2.67	0.00979
3.95	7.49	2.80	0.0205
4.15	10.5	2.90	0.0310
4.35	15.0	3.05	0.0519
4.92	30.0	3.17	0.0729
5.50	45.0	3.30	0.104
6.27	63.7	3.62	0.209
7.00	75.0	3.85	0.314
7.95	92.0	4.13	0.524
9.07	105	4.32	0.734
12.1	135	4.57	1.05
14.0	150	5.40	2.10
16.4	165	6.50	3.15
19.6	180	9.87	5.25
24.3	192	16.2	7.35
30.0	200	22.2	8.40
35.2	206	31.1	9.34
42.3	214	47.4	10.2
57.2	224	60.4	10.6
70.1	234	79.8	11.1

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Dose - YAG 39 - Tewa

Sta. 39		Sta. 58	
H + hr	r	H + hr	nr
2.20	0.00048	2.82	0.095
2.32	0.00240	3.13	0.375
2.38	0.00436	3.33	0.660
2.43	0.00733	3.57	1.10
2.55	0.0173	3.90	2.11
2.63	0.0272	4.10	3.05
2.73	0.0471	4.37	5.08
2.81	0.0671	4.58	7.10
3.00	0.145	4.88	10.1
3.12	0.223	5.35	14.6
3.32	0.379	5.80	18.2
3.48	0.535	6.43	23.2
3.67	0.769	7.12	29.7
4.07	1.55	7.80	37.8
4.28	2.33	8.25	44.8
4.60	3.89	8.57	49.6
4.90	5.45	9.37	61.0
5.38	7.79	10.9	70.8
8.10	15.6	12.0	74.9
12.2	20.6	17.0	89.7
16.3	21.9	20.5	100
19.2	22.6	23.8	108
28.4	24.1	30.1	127
36.6	25.0	37.0	146
50.4	26.1	43.8	163
64.0	26.8	56.3	190
78.1	27.2	65.7	208
		80.3	231

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Dose - YAG 39 - Tewa

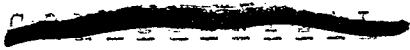
Sta. 64		Sta. 67	
H + hr	mr	H + hr	r
2.73	0.117	2.18	0.00082
2.98	0.415	2.25	0.00292
3.15	0.721	2.30	0.00534
3.35	1.18	2.41	0.0161
3.77	2.75	2.48	0.0275
4.00	4.33	2.58	0.0503
4.30	7.50	2.65	0.0733
4.50	10.7	2.72	0.108
4.76	15.5	2.80	0.142
5.18	24.2	2.90	0.216
5.55	31.4	3.02	0.364
6.05	40.5	3.10	0.512
6.98	56.3	3.20	0.734
8.63	79.1	3.57	1.47
10.1	95.0	3.85	2.19
11.8	111	4.17	3.69
16.2	142	4.38	5.17
18.2	153	4.67	7.39
22.4	158	6.20	14.8
28.3	164	8.22	19.2
34.9	173	10.9	22.2
43.2	185	15.6	25.2
52.3	191	18.3	26.1
61.2	197	23.0	27.4
70.2	202	26.2	28.1
80.3	206	30.2	28.9
		34.6	29.5
		40.6	30.3
		47.2	30.8
		55.3	31.7
		63.6	32.3
		71.0	32.7
		79.8	33.1

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Dose - Sta. 68 - YAG 39 - Tewa

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
2.23	0.00162	41.9	24.1
2.30	0.00373	47.0	24.5
2.35	0.00647	54.5	25.1
2.48	0.0169	63.2	25.7
2.57	0.0282	72.4	26.3
2.67	0.0499	80.2	26.7
2.72	0.0715		
2.82	0.103		
2.88	0.147		
2.97	0.223		
3.07	0.375		
3.15	0.527		
3.32	0.755		
3.52	1.08		
3.78	1.51		
4.05	2.27		
4.38	3.79		
4.65	5.32		
5.11	7.59		
6.08	10.8		
8.33	15.2		
12.3	18.3		
18.3	20.5		
24.2	21.7		
30.1	22.7		
35.7	23.5		

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TABLATED DOSES

YAG 40

Shot Tewa



~~SECRET~~

Dose - Sta 9 - YAG 40 - Tewa

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
4.78	0.0023	40.2	34.0
4.98	0.0144	43.3	34.9
5.05	0.0267	47.4	35.8
5.12	0.0516	49.9	36.3
5.28	0.150	55.5	37.2
5.40	0.242	61.7	38.1
5.55	0.425	65.1	38.6
5.68	0.609	72.6	39.4
5.85	0.885	75.1	39.7
6.40	1.81		
6.83	2.73		
7.68	4.56		
8.58	6.40		
9.97	9.16		
11.3	11.5		
12.7	13.8		
14.3	16.1		
16.1	18.4		
18.3	21.4		
20.7	23.0		
23.4	25.3		
26.6	27.5		
29.7	29.4		
33.0	31.2		
35.2	32.1		
37.5	33.0		

~~SECRET~~

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Dose - Sta 13 - YAG 40 - Tewa

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
4.58	0.00113	18.5	70.8
4.78	0.00416	20.2	76.3
4.95	0.0156	22.1	81.7
4.98	0.0269	24.0	87.2
5.05	0.0494	26.2	92.6
5.10	0.0878	29.7	98.1
5.18	0.197	33.9	104
5.25	0.306	39.4	109
5.35	0.524	44.3	112
5.43	0.741	54.1	114
5.53	1.07	65.8	117
5.77	2.16	74.7	118
5.95	3.25		
6.30	5.43		
6.62	7.61		
7.08	10.9		
7.92	16.4		
8.87	21.8		
9.73	27.3		
10.6	32.7		
11.4	38.1		
12.3	43.6		
13.2	49.0		
14.3	54.5		
15.5	60.0		
16.9	65.4		

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Dose - Sta 14 - YAG 40 - Tawa

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
4.53	0.00036	22.0	56.6
4.75	0.00252	24.5	60.9
4.87	0.00429	27.2	65.2
4.97	0.0147	30.3	69.6
5.02	0.0251	33.7	74.0
5.07	0.0461	37.5	78.3
5.18	0.138	43.8	82.6
5.27	0.225	48.6	84.3
5.40	0.398	56.4	86.0
5.52	0.572	64.3	87.3
5.62	0.833	74.8	88.7
5.92	1.70		
6.18	2.57		
6.65	4.31		
7.08	6.05		
7.70	8.66		
8.78	13.1		
9.75	17.4		
10.7	21.8		
11.6	26.1		
12.6	30.5		
13.7	34.8		
14.9	39.2		
16.4	43.5		
18.0	47.9		
19.8	52.2		

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Dose - Sta 25 - TAG 40 - Testa

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
4.58	0.00013	34.3	7.81
4.78	0.00041	37.2	8.06
4.87	0.00087	44.5	8.43
4.98	0.00242	54.4	8.68
5.03	0.00397	64.7	8.87
5.12	0.00708	75.0	9.02
5.23	0.0228		
5.30	0.0354		
5.43	0.0605		
5.52	0.0857		
5.63	0.123		
5.93	0.249		
6.20	0.375		
6.67	0.627		
7.12	0.879		
7.78	1.26		
9.00	1.89		
10.2	2.52		
11.4	3.13		
12.8	3.78		
14.4	4.41		
16.5	5.04		
19.0	5.67		
22.2	6.30		
26.0	6.93		
31.6	7.56		

Dose - YAG 40 - Tewa

Sta 26		Sta 28		Sta 39	
H+hr	nr	H+hr	nr	H+hr	nr
5.12	0.16	4.80	0.24	4.72	0.93
5.22	0.33	4.90	0.54	4.87	2.03
5.37	0.67	4.95	1.01	4.93	4.26
5.58	1.51	5.03	2.56	4.98	6.50
5.88	3.21	5.10	5.51	5.03	9.84
6.10	4.91	5.27	15.8	5.12	21.0
6.50	8.30	5.38	26.1	5.20	32.2
6.87	11.7	5.55	46.7	5.35	59.0
7.35	16.8	5.68	67.3	5.60	137
8.15	25.3	5.85	98.2	5.80	214
9.02	33.8	6.33	201	6.15	370
9.97	42.3	6.77	304	6.48	526
11.0	50.8	7.58	510	7.02	760
12.1	59.3	8.47	716	8.83	1540
13.3	67.8	9.95	998	11.4	2320
14.8	76.3	12.8	1550	15.5	3100
16.5	84.8	17.0	2060	19.7	3490
18.6	93.3	19.2	2260	23.4	3720
21.5	102	22.0	2480	30.1	4040
27.6	110	25.5	2680	37.1	4270
37.2	119	30.3	2880	43.8	4430
46.1	124	36.3	3090	48.9	4510
57.2	128	43.9	3240	54.4	4580
68.3	132	54.3	3350	60.7	4660
74.9	134	64.3	3420	67.8	4740
		74.3	3480	75.0	4790

Dose - YAG 40 - Tewa

<u>Sta 58</u>		<u>Sta 64</u>	
<u>H + hr</u>	<u>mr</u>	<u>H + hr</u>	<u>mr</u>
5.23	0.11	4.68	0.01
5.55	0.35	5.10	0.14
5.85	0.72	5.20	0.44
6.52	1.97	5.28	0.73
7.08	3.24	5.42	1.20
8.07	5.79	5.72	2.66
9.03	8.34	5.93	4.15
10.6	12.2	6.27	7.13
13.5	18.6	6.52	10.1
17.0	24.8	7.90	29.6
21.5	31.0	8.83	44.5
24.2	34.1	9.83	59.5
27.4	37.1	10.9	74.4
30.3	39.5	13.3	104
33.5	41.3	14.9	119
37.1	44.1	16.8	134
41.1	46.4	18.9	149
45.4	48.7	21.9	164
50.0	50.8	24.5	171
54.6	53.1	31.5	186
59.0	55.3	38.8	196
63.5	57.6	45.3	204
68.1	59.8	55.5	213
71.7	62.1	65.1	221
74.9	63.6	75.0	228

Dose - Sta 67 - YAC 40 - Tewa.

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
3.65	0.0004	28.7	19.6
4.65	0.0021	36.4	22.3
4.78	0.0044	42.5	22.4
4.85	0.0065	48.6	22.9
4.95	0.0161	54.7	23.2
4.98	0.0259	60.3	23.5
5.05	0.0455	66.4	23.8
5.08	0.0651	75.0	24.0
5.13	0.0944		
5.30	0.136		
5.43	0.290		
5.60	0.486		
5.75	0.682		
5.93	0.976		
6.27	1.58		
6.72	2.38		
7.03	2.94		
7.57	4.00		
8.07	4.90		
8.48	5.61		
9.32	6.86		
10.1	8.07		
11.5	9.80		
16.5	14.7		
21.1	16.5		
24.0	18.2		

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Dose - Sta 68 - YAG 40 - Texas

<u>H + hr</u>	<u>r</u>	<u>H + hr</u>	<u>r</u>
4.40	0.0005	36.3	11.7
4.77	0.0026	42.3	12.3
4.87	0.0048	48.3	12.6
4.90	0.0070	54.7	12.9
4.98	0.0167	60.3	13.1
5.03	0.0264	66.3	13.3
5.10	0.0457	75.1	13.5
5.13	0.0651		
5.22	0.0942		
5.38	0.191		
5.50	0.288		
5.68	0.482		
5.85	0.676		
6.05	0.967		
6.50	1.59		
6.77	1.94		
7.13	2.41		
7.57	2.91		
8.76	3.98		
9.93	4.85		
11.1	5.60		
13.7	6.79		
18.5	8.27		
24.0	9.70		
30.6	10.9		

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Defense Special Weapons Agency
6801 Telegraph Road
Alexandria, Virginia 22310-3398

TRC

18 April 1997

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER
ATTENTION: OMI/Mr. William Bush (Security)

SUBJECT: Distribution Statement Changes

The Defense Special Weapons Agency has reviewed and approved for **public release, all of the listed report; distribution statement "A"** now applies:

AD-473893L	XRD-173-Appendix 16 <i>Cancelled</i>
AD-473913	XRD-194-Section 3
AD-B210866	WT-1321-Supp <i>✓ Completed 27-2000</i>
AD-473915	XRD-196-Section 5.

Arduith Jarrett
ARDITH JARRETT
Chief, Technical Resource Center