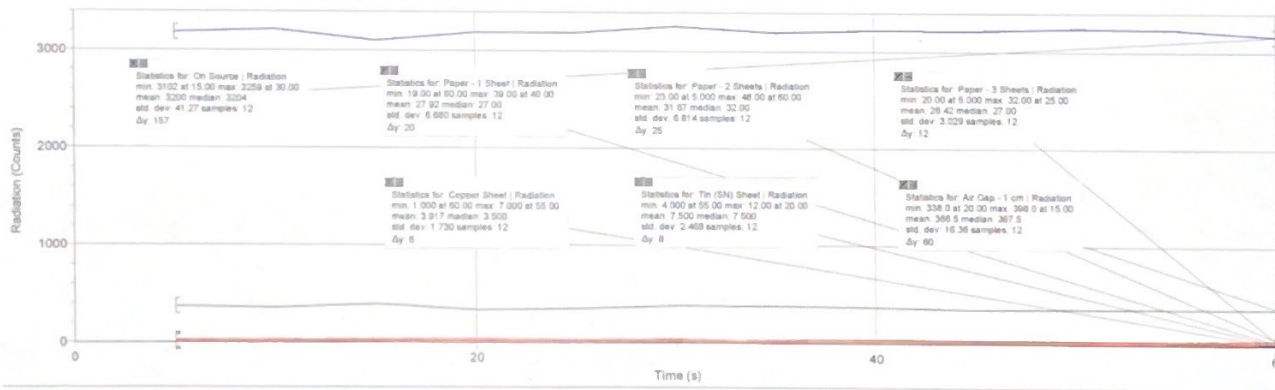


Vernier : Data Collected 3/10/2014

Time (s)	Latest		On Source		Paper - 1 Sheet		Paper - 2 Sheets		Paper - 3 Sheets		Copper Sheet		Tin (Sn) Sheet		Air Gap - 1 cm	
	Time (s)	Radiation (Counts)	Time (s)	Radiation (Counts)	Time (s)	Radiation (Counts)	Time (s)	Radiation (Counts)	Time (s)	Radiation (Counts)	Time (s)	Radiation (Counts)	Time (s)	Radiation (Counts)	Time (s)	Radiation (Counts)
1			5	3183	5	26	5	23	5	20	5	4	5	5	5	372
2			10	3213	10	27	10	28	10	29	10	6	10	9	10	356
3			15	3102	15	20	15	29	15	25	15	2	15	7	15	398
4			20	3189	20	29	20	35	20	28	20	3	20	12	20	338
5			25	3189	25	27	25	31	25	33	25	3	25	9	25	352
6			30	3259	30	20	30	35	30	27	30	5	30	11	30	384
7			35	3195	35	39	35	23	35	27	35	5	35	6	35	379
8			40	3219	40	39	40	35	40	29	40	5	40	8	40	372
9			45	3217	45	38	45	29	45	29	45	3	45	6	45	352
10			50	3244	50	35	50	33	50	23	50	3	50	5	50	360
11			55	3232	55	24	55	34	55	21	55	7	55	4	55	363
12			60	3164	60	19	60	48	60	25	60	1	60	8	60	372
13																
14																
15																
16																
17																
18																
19																

Radiation Counts

- On Source | Radiation
- Paper - 1 Sheet | Radiation
- Paper - 2 Sheets | Radiation
- Paper - 3 Sheets | Radiation
- Copper Sheet | Radiation
- Tin (Sn) Sheet | Radiation
- Air Gap - 1 cm | Radiation



On Source:
Avg. counts: $\frac{3200 \text{ counts}}{5 \text{ sec}}$

$\sim 640 \text{ counts/sec}$

Paper
1 sheet = $\frac{27.92}{3200} = 0.9\%$

2 sheets = $\frac{31.67}{3200} = 1\%$

3 sheets = $\frac{26.42}{3200} = 0.8\%$

Copper $\frac{3.917}{3200} = 0.1\%$

Tin: $\frac{7.500}{3200} = 0.2\%$

Air gap = $\frac{366.5}{3200} = 0.11\%$ ~~0.11%~~ 11%

Miller Sample data (1) 4/19/2016 11:14:08