

Cobalt (60) source Observations: - SCA(1)

HV adjust = 470V

Amplifier = 1.00

Baseline = 0.2 μ ram (0.2-3.0), 0.1 μ ram (3.0-7.0),
0.2 μ ram (7.0-8.0)

Window = 1.0.

Baseline Count rate

0.2	-	556
0.4	-	8667
0.6	-	5404
0.8	-	5471
1.0	-	5231
1.2	-	5033
1.4	-	5335
1.6	-	5358
1.8	-	5408
2.0	-	5473
2.2	-	5774
2.4	-	6181
2.6	-	6638
2.8	-	7221
3.0	-	8564
3.1	-	9245
3.2	-	9615
3.3	-	9556
3.4	-	10139
3.5	-	10781
3.6	-	11233
3.7	-	12166
3.8	-	12275
3.9	-	12054
4.0	-	12112
4.1	-	12358
4.2	-	12535.

Baseline Count rate

4.3	-	12029
4.4	-	11907
4.5	-	12051
4.6	-	13543
4.7	-	15310
4.8	-	16811
4.9	-	16938
4.92	-	17160
4.94	-	17006
4.96	-	17069
4.98	-	16946
5.00	-	17036
5.02	-	16772
5.04	-	16685
5.06	-	16165
5.08	-	16325
5.10	-	18038
5.12	-	18831
5.14	-	18841
5.16	-	19437
5.18	-	19365
5.20	-	19708
5.22	-	20170
5.24	-	20025
5.26	-	20337
5.28	-	20663
5.30	-	20679
5.4	-	20898

<u>BaseLine</u>	<u>Count rate</u>
5.5 -	20338
5.6 -	21214
5.7 -	20367
5.8 -	13393
5.9 -	16354
6.0 -	14226
6.1 -	12127
6.2 -	11302
6.3 -	10785
6.4 -	10487
6.5 -	9965
6.6 -	8906
6.7 -	6880
6.8 -	4902
6.9 -	3413
7.0 -	2720
7.2 -	2137.
7.4 -	2244
7.6 -	2142
7.8 -	2038
8.0 -	2160

Remarks: The two peaks are not as distinct as they are supposed to be. This is because the source used is about >10 years old and is weak.

Calculation: Find activity