

Radiological Survey Sheet

Job Location PFIZER INC, GROTON, CT, 06340 Page 1 of 25

Survey Purpose DECOMMISSIONING LAB 1180/B309 Date 12-17-09

Performed by F. GAILOR (Print) E. Gailor (Sign)

Instrument (Model/S/N)	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	Wallac Model 1409 S/N 4061042
Det. (Model/SN)	Internal	Internal	Ludlum 43-68 PR 149613	Internal
Type Rad.	β	β	β	β
Cal. Due:	04/03/2010	04/03/2010	04/07/2010	04/03/2010
Check Instruments Used	✓		✓	

No.	Time	Locations
		See attached LSC printout for Total Activity (cpm/100 cm ²)
1.	0730	BACKGROUND
2.		door
3.		FLOOR
4.		UPPER WALL
5.		LOWER "
6.		UPPER "
7.		LOWER "
8.		UPPER "
9.		LOWER "
10.		TOP Side OF Hood
11.		BOTTOM " " "
12.		TOP DRAWER
13.		2ND "
14.		3RD "
15.		4TH "
16.		5TH "
17.		FLOOR
18.		LEFT Side of Hood

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
19	0730	RIGHT SIDE OF HOOD	
20		TOP BACK OF HOOD LEFT SIDE	
21		" " " " RIGHT "	
22		BOTTOM " " " " LEFT "	
23		" " " " RIGHT "	
24		" LEFT SIDE OF HOOD	
25		" RIGHT " " "	
26		CUP IN HOOD	
27		HOOD SASH	
28		" "	
29		LEFT SIDE OF HOOD OUTSIDE	
30		RIGHT " " " "	
31		CAB DOORS & HANDLES	
32		INSIDE CAB	
33		CAB DOORS & HANDLES	
34		INSIDE CAB	
35		UPPER WALL	
36		LOWER "	
37		CAB DOORS	
38		TOP SHELF	
39		2ND "	
40		3RD "	
41		4TH "	
42		TOP "	
43		2ND "	
44		3RD "	
45	✓	4TH "	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
46	0730	TOP DRAWER	
47		2ND "	
48		3RD "	
49		UPPER WALL	
50		1 SHELF	
51		LOWER WALL	
52		TOP DRAWER	
53		2ND "	
54		3RD "	
55		4TH "	
56		TOP "	
57		2ND "	
58		3RD "	
59		4TH "	
60		DRAWER	
61		TOP "	
62		2ND "	
63		3RD "	
64		4TH "	
65		TOP "	
66		2ND "	
67		3RD "	
68		4TH "	
69		TOP SHELF	
70		BOTTOM "	
71		DESK	
72	✓	TOP SHELF	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
23	0730	2ND SHELF	
24		3RD "	
25		TOP "	
26		2ND "	
27		3RD "	
28		TOP "	
29		2ND "	
30		3RD "	
31		BENCH	
32		"	
33		"	
34		"	
35		"	
36		"	
37		"	
38		"	
39		CUP	
40		"	
41		TOP DRAWER	
42		CAB DOORS & HANDLES	
43		TOP SHELF	
44		BOTTOM "	
45		FLOOR	
46		"	
47		"	
48		"	
49	V	SIDE OF BENCH	

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Date 12-13-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
100	0730	Floors	
101		DRAWER	
102		TOP	"
103		2ND	"
104		3RD	"
105		4TH	"
106			"
107		TOP	"
108		2ND	"
109		3RD	"
110		4TH	"
111		TOP	"
112		2ND	"
113		DESKS	
114		TOP DRAWER	
115		2ND	"
116		3RD	"
117		CAB DOORS & HANDLS	
118		TOP SHELF	
119		2ND	"
120		3RD	"
121		TOP	"
122		2ND	"
123		3RD	"
124		4TH	"
125		TOP	"
126		2ND	"

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
127	0230	3RD SHELF	
128		4TH "	
129		TOP "	
130		2ND "	
131		3RD "	
132		4TH "	
133		WRAPPER WALL	
134		TOP SHELF	
135		2ND "	
136		LOWER "	
137		TOP "	
138		BOTTOM "	
139		desk	
140		TOP DRAWER	
141		2nd "	
142		3RD "	
143		"	
144		TOP SHELF	
145		2ND "	
146		3RD "	
147		TOP "	
148		2ND "	
149		3RD "	
150		TOP "	
151		2ND "	
152		3RD "	
153		TOP DRAWER	

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Date 12-17-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
154	0230	2ND	DRAWER
155		3RD	"
156		4TH	"
157			"
158		TOP	"
159		2ND	"
160		3RD	"
161		4TH	"
162			"
163		TOP	"
164		2ND	"
165		3RD	"
166		4TH	"
167		BENCH	
168		"	
169		"	
170		"	
171		"	
172		"	
173		"	
174		"	
175		CUP	
176		CUP	
177		FLOOR	
178		"	
179		"	
180		"	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
181	0730	FLOOR	
182		FLOOR	
183		FLOOR	
184		FLOOR	
185		"	
186		SIDE OF BENCH	
187		DRAWER	
188		CAB DOORS & HANDLS	
189		INSIDE SIDES OF CAB	
190		BOTTOM OF CAB	
191		DRAWER	
192		TOP "	
193		2ND "	
194		3RD "	
195		4TH "	
196		TOP "	
197		2ND "	
198		3RD "	
199		4TH "	
200		DRAWER	
201		TOP SHELF	
202		2ND "	
203		DESIG	
204		DRAWER	
205		TOP "	
206		2ND "	
207	↓	3RD "	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
208	0730	UPPER WALL	
209		LOWER "	
210		UPPER "	
211		LOWER "	
212		FLOOR	
213		"	
214		"	
215		"	
216		"	
217		"	
218		DOOR	
219		LEFT SHELF'S	
220		RIGHT "	
221		LEFT "	
222		RIGHT "	
223		DESK	
224		"	
225		"	
226		"	
227		DRAWERS	
228		"	
229		"	
230		"	
231		UPPER GLASS	
232		" "	
233		UPPER WALL	
234	∇	LOWER "	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
235	0730	WALL	
236		"	
237		"	
238		"	
239		"	
240		UPPER WALL	
241		LOWER "	
242		UPPER "	
243		LOWER "	
244		DESK	
245		DRAWER	
246		SHELF	
247		FLOOR	
249		"	
250		"	
251		"	
252		"	
253		SIDE OF BENCH	
254		DOOR	
255		TOP SHELF	
256		2ND "	
257		3RD "	
258		DOORS	
259		TOP SHELF	
260		2ND "	
261		3RD "	
262		DOOR	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
263	0720	TOP SHELF	
264		2ND U	
265		3RD U	
266		doors	
267		TOP SHELF	
268		2ND U	
269		3RD U	
270		doors	
271		TOP U	
272		2ND U	
273		3RD U	
274		WAIF	
275		U	
276		U	
277		U	
278		U	
279		BENCH	
280		U	
281		U	
282		U	
283		U	
284		U	
285		U	
286		U	
287		U	
288		U	
289		TOP DRAWER	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
290	0730	TOP LEFT SMALL DRAWER	
291		2ND " " "	
292		3RD " " "	
293		TOP RIGHT " "	
294		2ND " " "	
295		3RD " " "	
296		TOP DRAWER	
297		2ND " "	
298		3RD " "	
299		4TH " "	
300		DOOR INSIDE CAB ED	
301		INSIDE CAB	
302		DRAWER	
303		DOOR	
304		INSIDE CAB	
305		TOP LEFT SMALL DRAWER	
306		2ND " " "	
307		3RD DRAWER	
308		4TH " "	
309		TOP RIGHT SMALL DRAWER	
310		2ND " " "	
311		TOP DRAWER	
312		2ND " "	
313		3RD " "	
314		4TH " "	
315		DRAWER	
316		CAB DOOR	

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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
317	0730	IN SIDE	SIDES OF CAB
318		"	BOTTOM " "
319		FLOOR	
320		"	
321		"	
322		"	
323		SIDE OF BENCH	
324		FLOOR	
325		BENCH	
326		"	
327		"	
328		EDGE	
329		TOP DRAWER	
330		2ND "	
331		3RD "	
332		4TH "	
333		TOP "	
334		2ND "	
335		3RD "	
336		4TH "	
337		DRAWER	
338		door	
339		TOP SHELF	
340		2ND "	
341		DRAWER	
342		door	
343	✓	TOP SHELF	

Radiological Survey Continuation Sheet

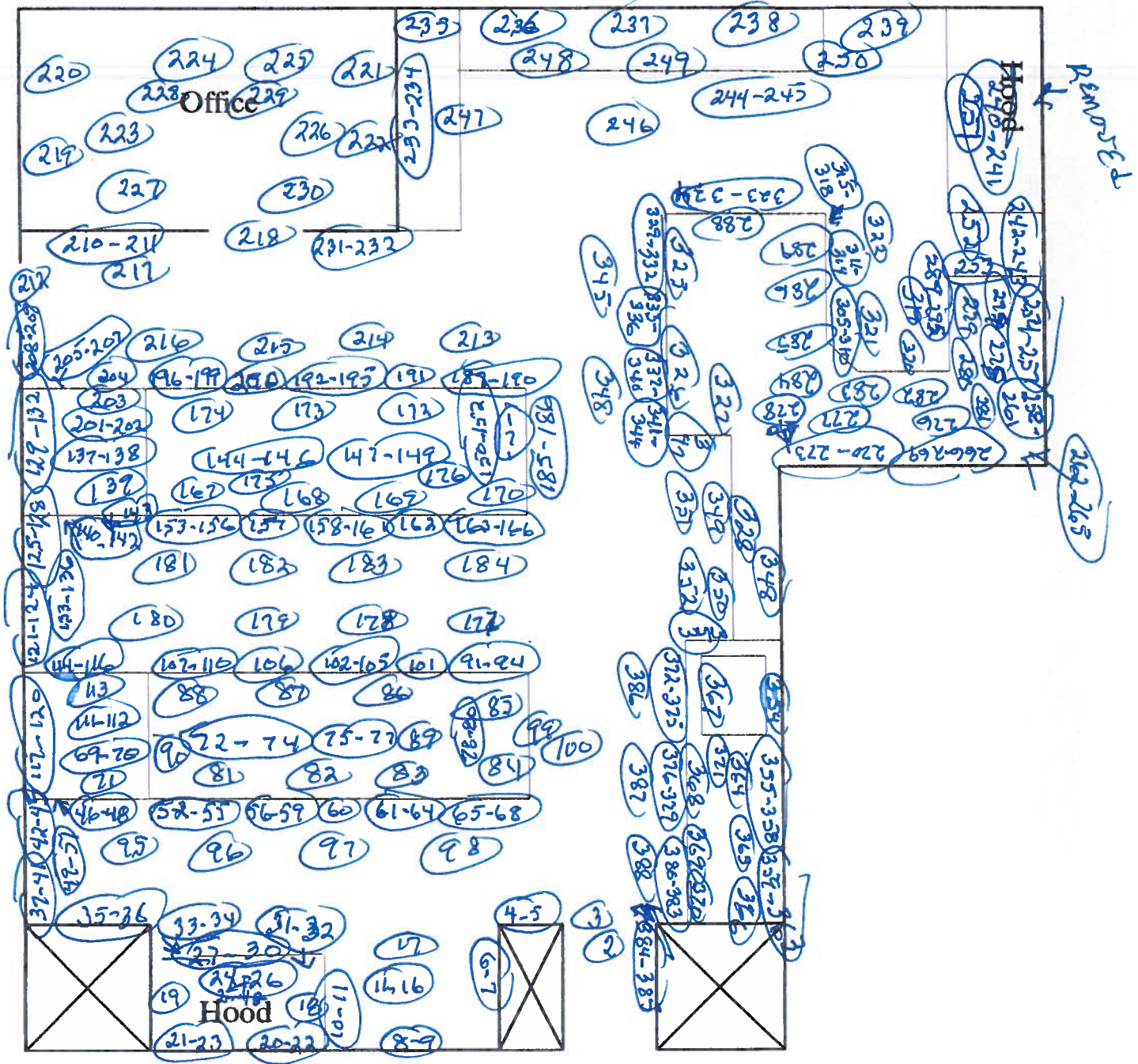
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No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm ²)
344	6730	BOTTOM SHELF	
345		FLOOR	
346		FLOOR	
347		SIDE OF CAB	
348		UPPER WALL	
349		LOWER "	
350		" "	
351		FLOOR	
352		"	
353		SIDE OF CAB	
354		DECK BOARD	
355		TOP SHELF	
356		2ND "	
357		3RD "	
358		4TH "	
359		DOORS	
360		TOP SHELF	
361		2ND "	
362		3RD "	
363		4TH "	
364		WALL	
365		"	
366		"	
367		SINK AREA	
368		BENCH	
369		BENCH	
370		BENCH	

Bld. 118B Room B309

Date: 12-17-09



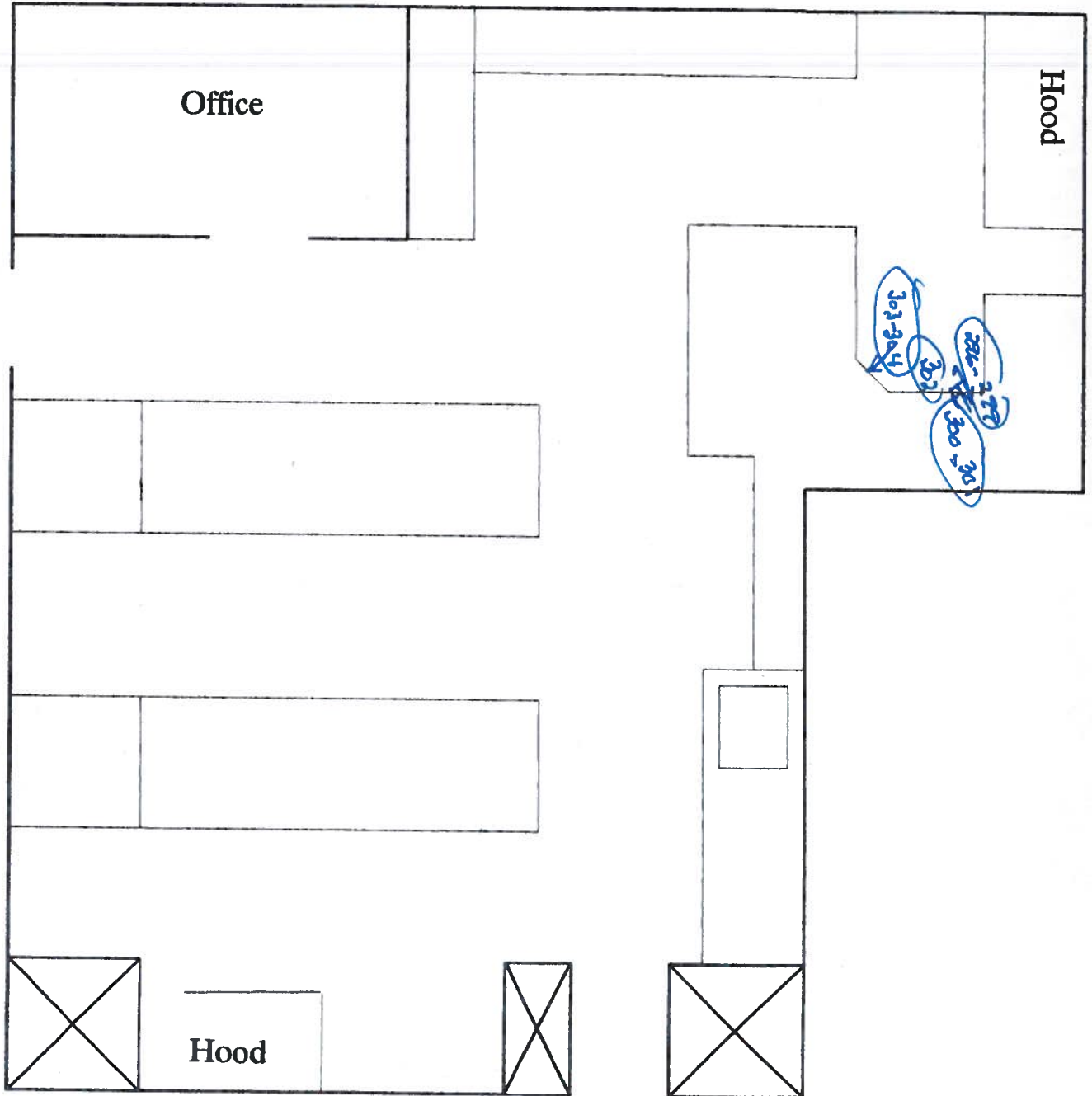
Sampled 100% of lower surfaces with 43-68. NO READINGS IN
EXCESS OF NORMAL BACKGROUND WERE NOTED.

0 = WIPE LOCATION.

Bld. 118B Room B309

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Assay Definition-

Assay Description:
Equipment Swipes

Assay Type: CPM
Report Name: Report1
Output Data Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes
Raw Results Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20091217_1105
\20091217_1105.results
RTF File Name: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\Ed's Monthly
Swipes.rtf
Assay File Name: C:\Packard\TriCarb\Assays\Eds Monthly Swipes.lsa

Count Conditions-

Nuclide: Triple
Quench Indicator: tSIE/AEC
External Std Terminator (sec): 0.5 2s%
Pre-Count Delay (min): 0.00
Quench Set: n/a
Count Time (min): 1.00
Count Mode: Normal
Assay Count Cycles: 1 Repeat Sample Count: 1
#Vials/Sample: 1 Calculate % Reference: Off

Background Subtract: On - Manual
Low CPM Threshold: Off
2 Sigma % Terminator: Off

Regions	LL	UL	Bkg Subtract
A	0.0	18.6	0.00
B	18.6	156.0	0.00
C	0.0	2000.0	0.00

Count Corrections-

Static Controller: On Luminescence Correction: On
Colored Samples: n/a Heterogeneity Monitor: n/a
Coincidence Time (nsec): 18 Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES
1	18	7	30	
2	12	6	18	
3	0	10	5	
4	0	10	10	
5	2	6	11	
6	14	8	26	
7	16	11	31	
8	11	8	21	
9	0	10	12	
10	5	4	16	

190625

11	4	9	22
12	9	7	22
13	1	12	16
14	17	11	38
15	9	4	19
16	0	10	5
17	14	12	35
18	10	8	22
19	9	7	25
20	0	9	7
21	1	6	13
22	8	2	16
23	7	7	19
24	11	15	31
25	8	8	24
26	17	12	34
27	0	5	5
28	8	8	26
29	2	8	14
30	6	4	12
31	8	8	19
32	5	8	19
33	9	8	19
34	5	6	19
35	5	14	22
36	11	7	22
37	7	7	18
38	5	9	22
39	12	5	20
40	7	5	18
41	20	7	35
42	3	11	18
43	0	8	8
44	10	9	27
45	0	14	18
46	32	8	46
47	0	7	6
48	22	11	39
49	5	3	14
50	4	7	17
51	9	8	18
52	7	7	18
53	8	9	23
54	6	4	14
55	16	7	27
56	11	7	24
57	12	2	22
58	3	13	19
59	0	3	6
60	4	6	14
61	17	9	30
62	9	12	23
63	2	6	15
64	21	5	32
65	26	11	44
66	11	6	23
67	9	10	25
68	6	8	16
69	19	5	29
70	22	7	34
71	14	3	22
72	0	11	18

73	0	13	17
74	15	8	29
75	16	7	31
76	0	7	13
77	26	15	43
78	7	11	25
79	10	9	26
80	1	9	14
81	7	11	26
82	18	4	26
83	12	11	30
84	0	6	10
85	17	13	33
86	0	5	3
87	17	11	33
88	10	8	25
89	1	10	20
90	0	8	10
91	8	9	19
92	0	4	9
93	8	7	18
94	15	10	29
95	4	8	16
96	2	5	14
97	4	5	14
98	6	9	22
99	5	9	18
100	11	6	25
101	6	8	22
102	18	6	31
103	12	8	26
104	8	4	22
105	7	7	21
106	7	7	20
107	6	9	25
108	18	1	25
109	13	7	27
110	13	7	25
111	5	8	22
112	4	10	22
113	26	4	34
114	12	11	31
115	0	12	7
116	0	15	14
117	9	5	22
118	4	5	16
119	11	10	24
120	1	6	15
121	0	7	10
122	8	7	17
123	28	4	36
124	17	8	34
125	7	10	20
126	0	11	13
127	5	13	24
128	2	4	9
129	6	7	18
130	12	8	28
131	23	6	33
132	34	10	51
133	13	7	24
134	12	8	27
135	1	7	18

136	7	6	22
137	7	3	14
138	0	9	2
139	0	10	1
140	16	7	31
141	0	8	7
142	0	6	7
143	6	10	19
144	0	6	6
145	14	11	32
146	13	10	26
147	17	9	28
148	7	5	18
149	5	12	23
150	0	9	5
151	5	10	17
152	19	11	34
153	7	8	19
154	8	8	24
155	15	9	27
156	18	7	30
157	20	9	36
158	0	8	18
159	17	7	27
160	0	10	11
161	22	10	36
162	12	6	21
163	5	11	19
164	5	5	14
165	3	6	18
166	17	7	29
167	11	6	20
168	0	10	5
169	3	7	15
170	0	7	0
171	0	5	0
172	0	5	8
173	8	7	19
174	0	9	8
175	31	6	45
176	1	9	14
177	2	7	14
178	1	5	10
179	0	4	2
180	2	7	17
181	17	9	28
182	0	8	13
183	16	5	23
184	0	12	7
185	5	10	22
186	3	9	16
187	8	5	17
188	5	10	18
189	10	7	21
190	0	10	14
191	15	8	32
192	23	9	39
193	11	8	30
194	11	3	19
195	0	8	5
196	11	9	28
197	0	9	8
198	20	10	37

199	15	3	23
200	0	16	0
201	5	6	14
202	0	11	16
203	8	14	25
204	13	7	23
205	0	12	4
206	0	6	3
207	21	7	35
208	0	8	0
209	4	8	16
210	0	10	3
211	0	8	7
212	26	5	41
213	0	9	2
214	5	11	22
215	4	11	15
216	3	6	16
217	0	11	16
218	0	6	1
219	11	6	21
220	11	5	23
221	15	4	27
222	3	12	19
223	23	6	37
224	22	8	35
225	19	3	25
226	20	4	30
227	12	4	22
228	0	18	20
229	0	8	6
230	15	12	31
231	2	8	14
232	6	9	20
233	33	16	59
234	0	7	11
235	14	5	30
236	0	8	14
237	0	10	13
238	15	8	30
239	7	7	20
240	4	3	19
241	0	9	14
242	8	9	23
243	27	6	38
244	0	11	13
245	0	5	5
246	12	3	22
247	15	8	28
248	16	9	27
249	0	8	7
250	13	11	27
251	13	11	29
252	5	8	21
253	6	3	14
254	3	8	19
255	8	8	25
256	30	12	49
257	6	9	24
258	8	7	24
259	9	9	22
260	1	2	9
261	9	11	23

262	21	7	34
263	8	10	24
264	0	5	11
265	0	6	7
266	24	9	40
267	1	8	16
268	15	4	28
269	7	7	18
270	0	8	5
271	7	8	19
272	10	5	24
273	4	10	18
274	0	10	13
275	16	4	25
276	14	8	28
277	14	9	28
278	21	3	31
279	11	8	27
280	5	11	22
281	6	7	18
282	15	7	22
283	3	9	17
284	12	5	22
285	4	1	10
286	4	7	20
287	0	7	13
288	27	11	44
289	12	9	27
290	29	10	42
291	13	12	29
292	19	5	29
293	13	4	21
294	0	7	12
295	5	5	19
296	17	5	29
297	6	4	17
298	23	8	37
299	17	8	27
300	8	4	15
301	20	4	28
302	4	5	15
303	7	5	19
304	4	6	15
305	19	5	32
306	8	7	17
307	17	8	32
308	13	5	25
309	6	10	23
310	3	4	13
311	20	9	35
312	9	10	26
313	20	5	28
314	7	7	21
315	14	12	35
316	12	5	21
317	1	12	18
318	0	14	21
319	22	15	44
320	7	8	29
321	0	7	10
322	10	6	21
323	8	9	22
324	11	8	24

325	0	14	21
326	5	6	15
327	7	7	25
328	0	13	17
329	0	4	0
330	0	5	2
331	0	6	9
332	0	6	16
333	0	7	9
334	0	6	7
335	0	10	3
336	32	5	43
337	4	4	12
338	0	4	5
339	0	5	0
340	0	6	16
341	14	1	23
342	17	7	33
343	22	11	38
344	12	7	27
345	0	11	12
346	0	7	0
347	29	10	44
348	0	4	3
349	1	4	9
350	0	6	1
351	2	9	16
352	4	6	16
353	12	10	26
354	2	5	19
355	2	5	8
356	1	6	11
357	15	9	31
358	0	7	7
359	0	11	0
360	6	9	17
361	0	8	12
362	19	6	28
363	22	11	38
364	21	6	30
365	0	6	8
366	12	3	19
367	6	3	15
368	8	9	20
369	0	9	9
370	0	4	10
371	11	6	21
372	8	11	22
373	2	12	18
374	13	6	22
375	14	8	29
376	6	10	25
377	0	9	0
378	12	5	24
379	11	7	24
380	0	11	10
381	15	9	32
382	17	8	34
383	12	9	23
384	8	1	15
385	5	10	19
386	4	12	24
387	23	9	35

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