DFMI Acoustic data at Tempel 1 encounter
(From DFM1 output). Version 24/2/11
1700 good data records in original file
4h 39m 12s is nominal encounter time entered 16752

Fn=En-E6 | Pn=Kn/Jn | Rn=In/0.00051 | Sn=In/0.00021 | ADn=AAn/Zn

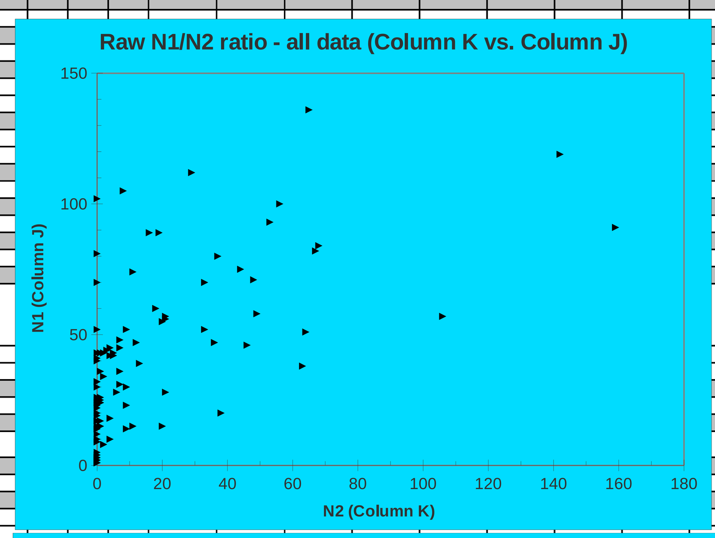
Data for Raw plots ==> ==> ====> DT UTC appears to be correct time interval

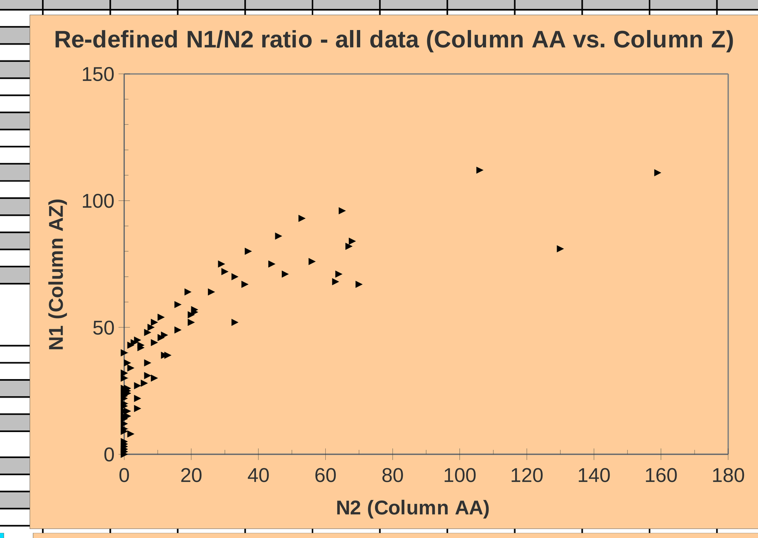
Red means >=
Blue means uncertain

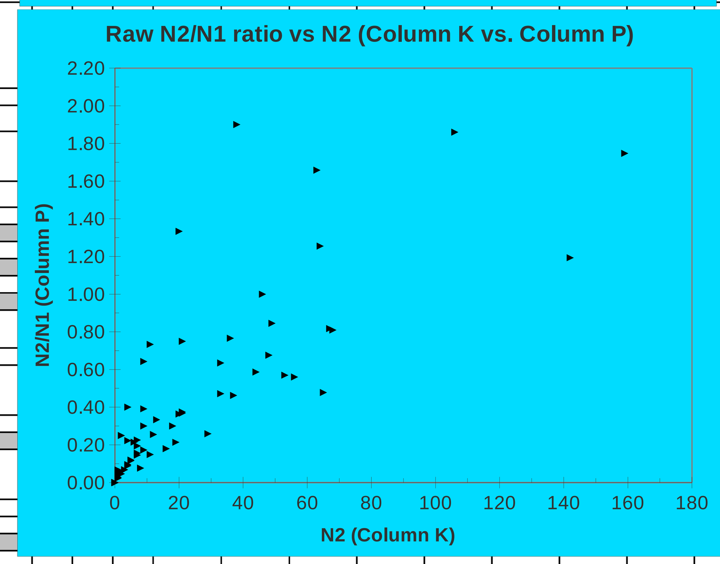
Data for Re-defined plots ===> ===>

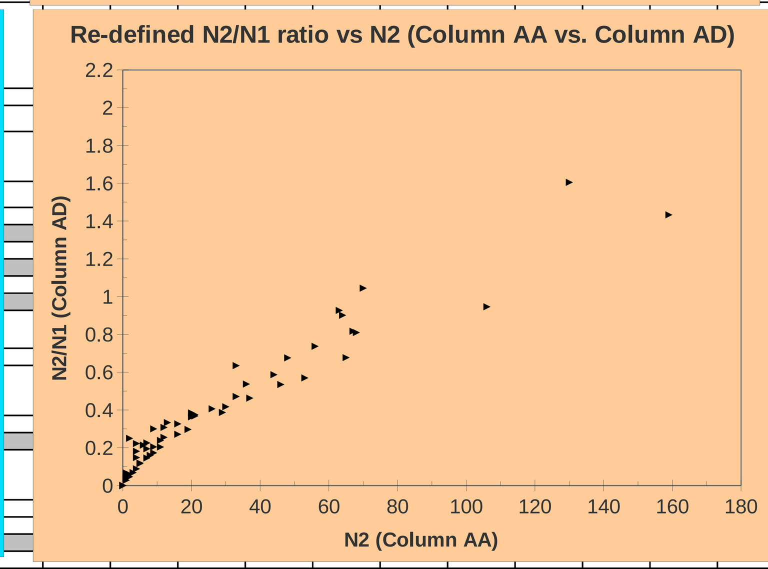
0.0 100.0 | 0.0 100.0 | 0.0 50.0 | 0 100 | 0.0 25.0 | 0.0 100.0

Maximum/minimum likely events per channel









Row	IT	SPACECRAFT_UTC_TIME hrs	min	sec	UTC (sec)	T (sec)	DT(UTC) (sec)	DT (sec)	RAW COUNTS N1	N2	N3	N4	Comment	overflow chan	N2/N1
12	1	4	17	16.4	15436.415	-1315.6	0		0	0	0	0	Start of data		
14	920	4	32	35.4	16355.406	-396.6	1	1.0	2	0	0	0	Single isolated event		0.00
16	998	4	33	53.4	16433.406	-318.6	1	1.0	4	0	0	0	Single isolated event		0.00
18	1125	4	36	0.4	16560.414	-191.6	1	1.0	2	0	0	0	Single isolated event		0.00
20	1239	4	37	54.3	16674.316	-77.7	0.898	0.9	47	12	0	0	Possible overlap but unlikely		0.26
21	1240	4	37	54.4	16674.418	-77.6	0.102	0.1	22	0	0	0	possible run-over but unlikely		0.00
23	1249	4	38	1.7	16681.703	-70.3	0.297	0.3	24	1	0	0	Possible overlap but unlikely		0.04
24	1250	4	38	2.4	16682.406	-69.6	0.703	0.7	24	0	0	0	Possible over-run but very unlikely		0.00
26	1263	4	38	15.4	16695.406	-56.6	1	1.0	1	0	0	0	Single isolated event		0.00
28	1265	4	38	17.0	16697.019	-55.0	0.601	0.6	24	1	0	0	Single isolated event		0.04
30	1267	4	38	18.4	16698.418	-53.6	1	1.0	2	0	0	0	Single isolated event		0.00
32	1269	4	38	20.2	16700.203	-51.8	0.793	0.8	20	38	0	0	N2/N1 looks unlikely. Overlap could be Ch1 and Ch2. This gives a ch1 only event of 4 counts followed by a n1=76,n2=56 event). Alternative is ch1 only overflow giving 2 events (each with ch1 and ch2 signals). Former case gives more realistic result.		1.90
33	1269												Adopt 2 events in 1269 none in 1270.		
34	1270	4	38	20.4	16700.406	-51.6	0.203	0.2	60	18	0	0	See above.		0.30
36	1272	4	38	22.4	16702.418	-49.6	1	1.0	3	0	0	0	Single isolated event		0.00
38	1274	4	38	24.4	16704.418	-47.6	1	1.0	18	4	0	0	Isolated event - no evidence for overflow or double counter overflow	1	0.22
40	1279	4	38	29.4	16709.418	-42.6	1	1.0	10	0	0	0	Single isolated event		0.00
42	1282	4	38	32.4	16712.406	-39.6	1	1.0	4	0	0	0	Possible overlap but very unlikely		0.00
43	1283	4	38	32.7	16712.703	-39.3	0.297	0.3	119	142	80	41	Very large impact with signal in all 4 channels. However, channel 3 must overflow into next time step and this makes things more complicated. 80 counts in ch3 = 40.8ms. Ch2 count of 142 is 29.8ms so this is consistent with zero overflow. Ch1 counts must be maximum of 80. This gives 39 counts in ch1 for another event. N1 looks low compared with N2 but any other solution is worse.		1.19
44	1283														
45	1284	4	38	33.4	16713.418	-38.6	0.715	0.7	1	0	18	0	Ch3 count without ch2 means it must be an overflow from previous timestep.		0.00
46	1285	4	38	33.7	16713.719	-38.3	0.301	0.3	23	9	5	0	Single marginal penetration? N1 counts rather low for this? May be overlap with next event, but low probability. However, N1 high in next time step so assign half counts here (keeps event numbers the same).		0.39
47	1286	4	38	34.4	16714.418	-37.6	0.699	0.7	41	0	0	0	Single impact assigned (could be 2) or possible overlap from previous.		0.00
48	1287	4	38	35.4	16715.422	-36.6	1.004	1.0	2	0	0	0	Single impact most probable		0.00
50	1289	4	38	37.4	16717.406	-34.6	0.988	1.0	15	1	0	0	Single isolated event		0.07
52	1291	4	38	39.4	16719.418	-32.6	1.012	1.0	9	0	0	0	Single isolated event		0.00
54	1293	4	38	41.0	16721.019	-31.0	0.601	0.6	14	9	0	0	Could be overlap with next time step but would then need another ch1 only impact to satify n1 cts. Retain 2 events by redistributing counts		0.64
55	1293														
56	1294	4	38	41.1	16721.121	-30.9	0.102	0.1	45	7	0	0	Could be overlap from previous time step and duration is short so probability of overlap is not negligible. Retain 2 events but assign all counts to previous step. No evidence for double counter overflow	1	0.16
57	1295	4	38	41.4	16721.418	-30.6	0.297	0.3	26	1	0	0	Assign single event.		0.04
59	1298	4	38	43.8	16723.804	-28.2	0.398	0.4	38	63	0	0	t(N2)/t(N1) high. Could be overlap with next timestep?. No double overflow on ch 2 or missed overflow on ch 1 as there is no rear signal. 26 N1 counts in overflow event.Assign next event N1 counts to this event to retauin total of two events.	2	1.66
60	1298														
61	1299	4	38	44.4	16724.406	-27.6	0.602	0.6	43	0	0	0	See above. Could be event in this period as well.		0.00
63	1301	4	38	46.4	16726.418	-25.6	1	1.0	15	1	0	0	Single event most likely.		0.07
64	1302	4	38	47.4	16727.418	-24.6	1	1.0	15	0	0	0	Single event most likely.		0.00
65	1303	4	38	48.3	16728.32	-23.7	0.902	0.9	84	68	0	0	Consistent with single event.Overflow to next event is low probability and gives worse N2/N1 ratio.		0.81
66	1304	4	38	48.4	16728.418	-23.6	0.098	0.1	9	0	0	0	Overlap from previous possible but new event most likely. No evidence for counter double overflow.	1	0.00
68	1306	4	38	50.2	16730.203	-21.8	0.797	0.8	57	21	0	0	1 event most likely.		0.37
69	1307	4	38	50.4	16730.406	-21.6	0.203	0.2	14	0	0	0	1 event most likely.		0.00
71	1313	4	38	55.0	16735.019	-17.0	0.601	0.6	39	13	0	0	Single event most likely. Overlap possible (but must still be 2 events total)		0.33
72	1314	4	38	55.4	16735.406	-16.6	0.387	0.4	40	0	0	0	Single event most likely. High N1 counts may hide another event.		0.00
73	1315	4	38	56.4	16736.406	-15.6	1	1.0	3	0	0	0	Single event most likely		0.00
74	1316	4	38	56.9	16736.906	-15.1	0.5	0.5	3	0	0	0	single event most likely		0.00
75	1317	4	38	57.1	16737.105	-14.9	0.199	0.2	80	37	0	0	Single event reasonable - could mask second.		0.46
77	1319	4	38	58.4	16738.418	-13.6	1	1.0	47	36	0	0	Most likely single event based on duration but N2/N1 low followed by high N1 count in next interval. Assume overlap and assign extra 26 N1 counts. Retains total number of events.	1	0.77
78	1319														
79	1320	4	38	58.8	16738.82	-13.2	0.402	0.4	52	0	0	0	High N1 count. Could be overflow from previous event or more than 1 events here. Assign 2 impacts in 1319.		0.00
81	1322	4	39	0.2	16740.219	-11.8	0.801	0.8	48	7	0	0	Single event most likely		0.15
82	1323	4	39	0.4	16740.418	-11.6	0.199	0.2	14	0	0	0	Single event most likely		0.00
83	1324	4	39	0.6	16740.621	-11.4	0.203	0.2	71	48	0	0	Single event most likely No eviidence for double counter overflow (no N3 ct)	2	0.68
84	1325	4	39	1.1	16741.121	-10.9	0.5	0.5	100	56	77	69	Large event. Ch 3 and 4 must overlap with next event. However, N3 and N4 don't give coincident signal. N4>N2 acceptable since N2 in second period is zero. Requires minimum of two penetrations in 1325 followed by 0 or more single ch 1 events in 1326. Assuming all ch4 counts in 1 event gives 72,22,49,0 and <109,34,92,71. First event has high N3 count with no N4. Possible that there are two ch4 events, which would require 2 more ch1 only events to make reasonable N2/N1 ratios. This solution looks more realistic.	1	0.56
85	1325												See above		
86	1325												See above		
87	1326	4	39	1.4	16741.406	-10.6	0.285	0.3	81	0	64	2	See above. Assign further ch1 only event in this period.		0.00
88	1327	4	39	1.5	16741.504	-10.5	0.098	0.1	10	4	6	0	N1 counts look low for a penetration. It is possible that N1 counts alone overflow (about 5% probability only) but there must be another impact in next time step anyway. Assign half N1 counts from next timestep.		0.40
89	1328	4	39	1.6	16741.605	-10.4	0.101	0.1	43	1	2	0	Can't be overlap with next event since N3 starts before N2 and N1 contribution would only be 1 count anyway. Assume single event with N1 counts spread with previous time step..		0.02
90	1329	4	39	1.7	16741.703	-10.3	0.098	0.1	46	46	11	0	Possible overflow (ch 1 only) to next frame (based on N2/N1 count and high N1 count in next interval). Assign 40 counts from next interval to this event..	3	1.00
91	1330	4	39	2.4	16742.406	-9.6	0.703	0.7	70	0	0	0	Assign 1 event of 30 counts, with 40 counts assigned to previous event.	1	0.00
92	1331	4	39	2.5	16742.504	-9.5	0.098	0.1	82	67	1	0	Cannot be overflow from previous period. .N1 counts cover 40% of total time interval, but no other evidence for overflow to bext period. Overflow to next one requires two events. And gives less realistic N2/N1		0.82
93	1332	4	39	3.4	16743.418	-8.6	0.914	0.9	23	0	0	0	Some or all counts might have come from previous period but keep as separate event.		0.00
95	1336	4	39	6.3	16746.32	-5.7	0.902	0.9	57	106	7	0	High N2/N1 ratio implies possible overflow into next timestep (especially with high N1 count in next time interval). If ch2 overflows as well then there must be an additional ch1 event in this time step (14cts) and N1 counts are then high even requiring one or two more extra ch1 events in next time interval. Assume no ch2 overflow. This means sensible counts are obtaiend for just two events.	2	1.86
96	1337	4	39	6.4	16746.422	-5.6	0.102	0.1	105	8	0	0	N1 counts fill 50% of time interval and evidence for overlap from previous event. Assign 55 counts to previous event. Could be another event in this time step..	1	0.08
97	1338	4	39	7.4	16747.406	-4.6	0.984	1.0	12	0	0	0	Could be overflow from previous step but more likely single event.		0.00
99	1340	4	39	9.0	16749.004	-3.0	0.598	0.6	36	7	2	0	Could be overflow to next interval but would require additional ch1 event. More likely to be isolated event.		0.19
100	1341	4	39	9.4	16749.422	-2.6	0.418	0.4	70	33	0	0	Same as above.		0.47
101	1342	4	39	10.2	16750.218	-1.8	0.796	0.8	42	5	0	0	See above		0.12
103	1344	4	39	10.8	16750.82	-1.2	0.398	0.4	91	159	56	38	Possible overflow into next timestep. If ch2 overflows then it requires another ch1 only event of 25 cts. Also ch3 event starts 5ms (9cts) too late if it is also going to overflow. Double counter overflow in ch1 gives unreasonably long t(n1)-t(n2) as well as unrepresentative N(2)/n(1) vs N(2). Best solution is for a channel one only overflow. Assign 20 counts to this impact.	1,2	1.75
104	1345	4	39	11.0	16751.019	-1.0	0.199	0.2	136	65	23	0	See above. Transfer of 20 N1 counts to previous event. Assign one more ch only event.		0.48
105	1345														
106	1346	4	39	11.4	16751.422	-0.6	0.403	0.4	26	0	0	0	Single event most likely		0.00
107	1347	4	39	11.6	16751.621	-0.4	0.199	0.2	89	16	0	0	Separate events most likely. However, N1 counts very high. No benefit in asssigning overflow to next period due to high N1 counts there too. Assign two events.	1	0.18
108	1347														
109	1348	4	39	11.7	16751.718	-0.3	0.097	0.1	102	0	0	0	N1 Counts too high for single event. Overflows possible but no evidence from adjacent times.Assign 3 events		0.00
110	1348												See above		
111	1348												See above		
112	1349	4	39	11.8	16751.82	-0.2	0.102	0.1	30	0	0	0	Single event most likely		0.00
113	1350	4	39	12.4	16752.422	0.4	0.602	0.6	36	1	0	0	Single event most likely		0.03
114	1351	4	39	12.5	16752.519	0.5	0.097	0.1	51	64	0	0	N1 counts too low. Implies overflow to next interval (overflow from previous interval doesn't help). Could be ch1 and ch2 overflow but this would require additional N1=23 count event. Assign Ch1 only overflow with small event in next timestep.interval	1	1.25
115	1351														
116	1352	4	39	13.0	16753.019	1.0	0.5	0.5	42	4	0	0	See above.		0.10
118	1355	4	39	13.6	16753.605	1.6	0.199	0.2	3	0	0	0	Single isolatd event		0.00
120	1357	4	39	14.1	16754.105	2.1	0.101	0.1	20	0	0	0	Single event most likely		0.00
121	1358	4	39	14.3	16754.304	2.3	0.199	0.2	15	11	0	0	Single event most likely, But N1 very low.for non-zero n2 count. Some or all counts from next event may be included. Assign 31 counts to this event and leave nominal 1 count to record second impact.		0.73
122	1359	4	39	14.4	16754.406	2.4	0.102	0.1	32	0	0	0	Single event, overlap from previolus event or both?		0.00
124	1361	4	39	15.0	16755.004	3.0	0.399	0.4	24	0	0	0	Single isolated event		0.00
126	1366	4	39	15.9	16755.922	3.9	0.5	0.5	17	0	0	0	Single event most likley		0.00
127	1367	4	39	16.1	16756.121	4.1	0.199	0.2	93	53	12	0	Could be overlap with next period but would require at least two events in total. Isolated event has higher probability.	1	0.57
128	1368	4	39	16.4	16756.422	4.4	0.301	0.3	52	9	0	0	Single event most likley		0.17
130	1370	4	39	17.0	16757.019	5.0	0.301	0.3	32	0	0	0	Single event most likley		0.00
131	1371	4	39	17.4	16757.422	5.4	0.403	0.4	14	0	0	0	Single event most likley		0.00
132	1372	4	39	17.5	16757.519	5.5	0.097	0.1	17	0	0	0	Single event most likley		0.00
134	1374	4	39	17.8	16757.82	5.8	0.199	0.2	31	7	1	0	Single event most likley		0.23
135	1375	4	39	18.4	16758.422	6.4	0.602	0.6	25	0	0	0	Single event most likley		0.00
136	1376	4	39	18.8	16758.82	6.8	0.398	0.4	74	11	0	0	Single event possible but N1 looks high compared with N2. Could be overlap with next time interval in ch1 and ch 2. If so then only 5 N1 counts would contribute, leaving an unlikely ch1 only count of 69 (implying two furhter ch1 only events) as well as even greater problems with N2/N1 ratios in next two periods (see below). Ch1 only overflow is even worse. Assign two events in this timestep.	1	0.15
137	1376														
138	1377	4	39	18.9	16758.922	6.9	0.102	0.1	28	21	4	0	Somewhat large t(N2)/t(n1). Cannot solve with single event and overflow from previous timestep due to N3 count. Overflow into next timestep is possible but cannot be just N1 since 1378 event would have unlikely N2/N1ratio. If overlap is in n2 counts as well then there must be another N1 event with 19 of the 28 counts. This would leave second event with n1=67, n2=70 n3 =4 which appears more likely than 2 separate events in 0.1 s intervals, both with low N2/N1 ratios.	2	0.75
139	1377														
140	1378	4	39	19.0	16759.019	7.0	0.097	0.1	58	49	0	0	No event. See above		0.84
141	1379	4	39	19.4	16759.402	7.4	0.383	0.4	1	0	0	0	Single event most likely		0.00
142	1380	4	39	19.7	16759.703	7.7	0.301	0.3	1	0	0	0	Single event most likely		0.00
143	1381	4	39	19.9	16759.906	7.9	0.203	0.2	19	0	0	0	Single event most likely		0.00
144	1382	4	39	20.4	16760.406	8.4	0.5	0.5	34	2	0	0	Single event most likely		0.06
145	1383	4	39	20.5	16760.504	8.5	0.098	0.1	44	3	0	0	Overflow possible but inconsistent with next event. Assign single event.		0.07
146	1384	4	39	21.4	16761.422	9.4	0.918	0.9	15	20	0	0	Very high t(n2)/t(N1). Could be better if overflow. Previous event doesn't help. Next event has lots of N1 counts. Assume overlap here in ch1 only. Partition N1 counts to give same N(2)/N(1) for each. .		1.33
147	1385	4	39	22.4	16762.422	10.4	1	1.0	112	29	0	0	Overflow from previous interval plus another event.	1	0.26
148	1386	4	39	22.9	16762.922	10.9	0.5	0.5	89	19	1	0	High N1 count. Assign two events.		0.21
149	1386														
150	1387	4	39	23.1	16763.121	11.1	0.199	0.2	43	2	0	0	Isolated event most likely		0.05
152	1391	4	39	24.3	16764.32	12.3	0.699	0.7	24	1	0	0	Single isolated event		0.04
154	1394	4	39	25.3	16765.304	13.3	0.785	0.8	25	1	0	0	Single isolated event		0.04
156	1397	4	39	26.4	16766.406	14.4	0.801	0.8	24	1	0	0	Single event most likely	1	0.04
157	1398	4	39	26.9	16766.902	14.9	0.496	0.5	17	1	0	0	Single event most likely		0.06
159	1401	4	39	29.4	16769.422	17.4	1	1.0	1	0	0	0	Single event most likely		0.00
160	1402	4	39	30.4	16770.422	18.4	1	1.0	45	4	0	0	Single event most likely		0.09
161	1403	4	39	31.4	16771.402	19.4	0.98	1.0	1	0	0	0	Single event most likely		0.00
162	1404	4	39	32.4	16772.402	20.4	1	1.0	5	0	0	0	Single event most likely		0.00
163	1405	4	39	33.4	16773.422	21.4	1.02	1.0	3	0	0	0	Single event most likely		0.00
164	1406	4	39	34.4	16774.422	22.4	1	1.0	2	0	0	0	Single event most likely		0.00
166	1409	4	39	37.4	16777.402	25.4	0.98	1.0	1	0	0	0	Single isolated event		0.00
168	1411	4	39	39.4	16779.422	27.4	1.02	1.0	1	0	0	0	Single isolated event		0.00
170	1429	4	39	57.4	16797.422	45.4	1.016	1.0	2	0	0	0	Single isolated event		0.00
172	1434	4	40	2.4	16802.402	50.4	1	1.0	75	44	3	0	Single isolated event		0.59
174	1437	4	40	5.4	16805.422	53.4	1	1.0	2	0	0	0	Single isolated event		0.00
176	1441	4	40	9.4	16809.422	57.4	1.02	1.0	30	9	0	0	Single isolated event		0.30
178	1443	4	40	11.4	16811.422	59.4	1	1.0	17	0	0	0	Single isolated event		0.00
180	1454	4	40	22.4	16822.422	70.4	1	1.0	52	33	0	0	Single isolated event	1	0.63
182	1458	4	40	26.4	16826.402	74.4	1	1.0	1	0	0	0	Single isolated event		0.00
184	1464	4	40	32.4	16832.402	80.4	1	1.0	56	21	0	0	Single isolated event		0.38
186	1480	4	40	48.4	16848.402	96.4	1	1.0	28	6	0	0	Single isolated event	2	0.21
188	1484	4	40	52.4	16852.402	100.4	1	1.0	8	2	0	0	Single isolated event		0.25
190	1524	4	41	32.4	16892.402	140.4	1	1.0	1	0	0	0	Single isolated event		0.00
192	1552	4	42	0.4	16920.402	168.4	1	1.0	55	20	0	0	Single isolated event		0.36
194	1653	4	43	40.9	17020.902	268.9	0.5	0.5	43	5	0	0	Single isolated event		0.12
196	1700	4	44	27.4	17067.402	315.4	1	1.0	0	0	0	0	End of good data		
198	Total								4026	1563	373	150			

Row	IT	Max cts possible Low (N1,N3)	High (N2,N4)	Number of events n1	n2	n3	n4	Re-defined Counts N1	N2	N3	N4	Re-defined N2/N1	Max N1	Min N1	Max likely N2	Min N2	Max likely N3	Min N3	Max likely N4	Min N4
14	920	1960.78431373	4761.90476190	1	0	0	0	2	0	0	0	0	1	1						
16	998	1960.78431373	4761.90476190	1	0	0	0	4	0	0	0	0	1	1						
18	1125	1960.78431373	4761.90476190	1	0	0	0	2	0	0	0	0	1	1						
20	1239	1760.78431373	4276.19047619	1	1	0	0	47	12	0	0	0.2553191489	2	1	1					
21	1240	200	485.714285714	1	0	0	0	22	0	0	0	0	1	0						
23	1249	582.352941176	1414.28571429	1	1	0	0	24	1	0	0	0.0416666667	2	1	1	1				
24	1250	1378.43137255	3347.61904762	1	0	0	0	24	0	0	0	0	2	0						
26	1263	1960.78431373	4761.90476190	1	0	0	0	1	0	0	0	0	1	1						
28	1265	1178.43137255	2861.90476190	1	1	0	0	24	1	0	0	0.0416666667	2	1	1	1				
30	1267	1960.78431373	4761.90476190	1	0	0	0	2	0	0	0	0	1	1						
32	1269	1554.90196078	3776.19047619	2	1	0	0	4	0	0	0	0	3	1	2	1				
33	1269							76	56	0	0	0.7368421053								
34	1270	398.039215686	966.666666667	0	0	0	0													
36	1272	1960.78431373	4761.90476190	1	0	0	0	3	0	0	0	0	1	1						
38	1274	1960.78431373	4761.90476190	1	1	0	0	18	4	0	0	0.2222222222	1	1	1	1				
40	1279	1960.78431373	4761.90476190	1	0	0	0	10	0	0	0	0	1	1						
42	1282	1960.78431373	4761.90476190	1	0	0	0	4	0	0	0	0	1	1						
43	1283	582.352941176	1414.28571429	2	2	1	1	39	12	0	0	0.3076923077	2	1	1	1	1	1	1	1
44	1283							81	130	98	41	1.6049382716								
45	1284	1372.54901961	3333.33333333	0	0	0	0	0	0	0	0		1	0			0	0		
46	1285	590.196078431	1433.33333333	1	1	1	0	44	9	5	0	0.2045454545	1	1	1	1	1	1		
47	1286	1370.58823529	3328.57142857	1	0	0	0	20	0	0	0	0	2	1						
48	1287	1968.62745098	4780.95238095	1	0	0	0	2	0	0	0	0	1	1						
50	1289	1960.78431373	4761.90476190	1	1	0	0	15	1	0	0	0.0666666667	1	1	1	1				
52	1291	1960.78431373	4761.90476190	1	0	0	0	9	0	0	0	0	1	1						
54	1293	1178.43137255	2861.90476190	2	1	0	0	10	0	0	0	0	2	1	1	1				
55	1293							49	16	0	0	0.3265306122								
56	1294	200	485.714285714	0	0	0	0	0	0	0	0		1	0	1	0				
57	1295	582.352941176	1414.28571429	1	1	0	0	26	1	0	0	0.0384615385	1	1	1	1				
59	1298	780.392156863	1895.23809524	2	1	0	0	12	0	0	0	0	2	1	1	1				
60	1298							68	63	0	0	0.9264705882								
61	1299	1180.39215686	2866.66666667	0	0	0	0	0	0	0	0		2	0						
63	1301	1960.78431373	4761.90476190	1	1	0	0	15	1	0	0	0.0666666667	1	1	1	1				
64	1302	1960.78431373	4761.90476190	1	0	0	0	15	0	0	0	0	1	1						
65	1303	1768.62745098	4295.23809524	1	1	0	0	84	68	0	0	0.8095238095	2	1	1	1				
66	1304	192.156862745	466.666666667	1	0	0	0	9	0	0	0	0	1	0						
68	1306	1562.74509804	3795.23809524	1	1	0	0	57	21	0	0	0.3684210526	2	1	1	1				
69	1307	398.039215686	966.666666667	1	0	0	0	14	0	0	0	0	1	1						
71	1313	1178.43137255	2861.90476190	1	1	0	0	39	13	0	0	0.3333333333	1	1	1	1				
72	1314	784.313725490	1904.76190476	1	0	0	0	40	0	0	0	0	2	1						
73	1315	1960.78431373	4761.90476190	1	0	0	0	3	0	0	0	0	1	1						
74	1316	980.392156863	2380.95238095	1	0	0	0	3	0	0	0	0	1	1						
75	1317	390.196078431	947.619047619	1	1	0	0	80	37	0	0	0.4625	2	1	1	1				
77	1319	1960.78431373	4761.90476190	2	1	0	0	32	0	0	0	0	2	1	1	1				
78	1319							67	36	0	0	0.5373134328								
79	1320	788.235294118	1914.28571429	0	0	0	0	0	0	0	0		1	0						
81	1322	1570.58823529	3814.28571429	1	1	0	0	48	7	0	0	0.1458333333	2	1	1	1				
82	1323	390.196078431	947.619047619	1	0	0	0	14	0	0	0	0	1	1						
83	1324	398.039215686	966.666666667	1	1	0	0	71	48	0	0	0.6760563380	2	1	1	1				
84	1325	980.392156863	2380.95238095	3	2	2	2	15	0	0	0	0	3	2	2	2	2	2	2	1
85	1325							64	26	56	19	0.40625								
86	1325							72	30	85	52	0.4166666667								
87	1326	588.235294118	1428.57142857	1	0	0	0	30	0	0	0	0	1	0	0	0	0	0	0	0
88	1327	192.156862745	466.666666667	1	1	1	0	27	4	6	0	0.1481481481	1	1	1	1	1	1		
89	1328	198.039215686	480.952380952	1	1	1	0	26	1	2	0	0.0384615385	1	1	1	1	1	1		
90	1329	192.156862745	466.666666667	1	1	1	0	86	46	11	0	0.5348837209	2	1	1	1	1	1		
91	1330	1378.43137255	3347.61904762	1	0	0	0	30	0	0	0	0	2	1						
92	1331	192.156862745	466.666666667	1	1	1	0	82	67	1	0	0.8170731707	1	1	1	1	1	1		
93	1332	1764.70588235	4285.71428571	1	0	0	0	23	0	0	0	0	1	0						
95	1336	1768.62745098	4295.23809524	1	1	1	0	112	106	7	0	0.9464285714	2	1	1	1	1	1		
96	1337	200	485.714285714	1	1	0	0	50	8	0	0	0.16	2	0	1	0				
97	1338	1960.78431373	4761.90476190	1	0	0	0	12	0	0	0	0	1	0						
99	1340	1172.54901961	2847.61904762	1	1	1	0	36	7	2	0	0.1944444444	1	1	1	1	1	1		
100	1341	784.313725490	1904.76190476	1	1	0	0	70	33	0	0	0.4714285714	1	1	1	1				
101	1342	1560.78431373	3790.47619048	1	1	0	0	42	5	0	0	0.1190476190	1	1	1	1				
103	1344	780.392156863	1895.23809524	1	1	1	1	111	159	56	38	1.4324324324	2	2	2	2	1	1	1	1
104	1345	390.196078431	947.619047619	1	1	1	0	96	65	23	0	0.6770833333	2	1	1	1	1	1		
105	1345							20	0	0	0	0								
106	1346	790.196078431	1919.04761905	1	0	0	0	26	0	0	0	0	1	1						
107	1347	390.196078431	947.619047619	2	1	0	0	59	16	0	0	0.2711864407	3	1	1	1				
108	1347							30	0	0	0	0								
109	1348	190.196078431	461.904761905	3	0	0	0	40	0	0	0	0	4	2						
110	1348							32	0	0	0	0								
111	1348							30	0	0	0	0								
112	1349	200	485.714285714	1	0	0	0	30	0	0	0	0	1	1						
113	1350	1180.39215686	2866.66666667	1	1	0	0	36	1	0	0	0.0277777778	1	1	1	1				
114	1351	190.196078431	461.904761905	2	1	0	0	71	64	0	0	0.9014084507	2	2	1	1				
115	1351																			
116	1352	980.392156863	2380.95238095	0	0			22	4	0	0	0.1818181818								
118	1355	390.196078431	947.619047619	1	0	0	0	3	0	0	0	0	1	1						
120	1357	198.039215686	480.952380952	1	0	0	0	20	0	0	0	0	1	1						
121	1358	390.196078431	947.619047619	1	1	0	0	46	11	0	0	0.2391304348	1	1	1	1				
122	1359	200	485.714285714	1	0	0	0	1	0	0	0	0	1	0						
124	1361	782.352941176	1900	1	0	0	0	24	0	0	0	0	1	1						
126	1366	980.392156863	2380.95238095	1	0	0	0	17	0	0	0	0								
127	1367	390.196078431	947.619047619	1	1	1	0	93	53	12	0	0.5698924731	2	1	1	1	1	1		
128	1368	590.196078431	1433.33333333	1	1	0	0	52	9	0	0	0.1730769231	2	1	1	1				
130	1370	590.196078431	1433.33333333	1	0	0	0	32	0	0	0	0	2	1						
131	1371	790.196078431	1919.04761905	1	0	0	0	14	0	0	0	0	1	1						
132	1372	190.196078431	461.904761905	1	0	0	0	17	0	0	0	0	1	1						
134	1374	390.196078431	947.619047619	1	1	1	0	31	7	1	0	0.2258064516	1	1	1	1	1	1		
135	1375	1180.39215686	2866.66666667	1	0	0	0	25	0	0	0	0	1	1						
136	1376	780.392156863	1895.23809524	2	1	0	0	54	11	0	0	0.2037037037	2	1	1	1				
137	1376							20	0	0	0	0								
138	1377	200	485.714285714	2	1	1	0	19	0	0	0	0	2	1	2	1	1	1		
139	1377							67	70	4	0	1.0447761194								
140	1378	190.196078431	461.904761905	0	0	0	0						1	1	1	1				
141	1379	784.313725490	1904.76190476	1	0	0	0	1	0	0	0	0	1	1						
142	1380	590.196078431	1433.33333333	1	0	0	0	1	0	0	0	0	1	1						
143	1381	398.039215686	966.666666667	1	0	0	0	19	0	0	0	0	1	1						
144	1382	980.392156863	2380.95238095	1	1	0	0	34	2	0	0	0.0588235294	2	1	1	1				
145	1383	192.156862745	466.666666667	1	1	0	0	44	3	0	0	0.0681818182	2	1	1	1				
146	1384	1764.70588235	4285.71428571	1	1	0	0	52	20	0	0	0.3846153846	2	1	1	1				
147	1385	1960.78431373	4761.90476190	1	1	0	0	75	29	0	0	0.3866666667	2	1	1	0				
148	1386	980.392156863	2380.95238095	2	1	1	0	64	19	1	0	0.296875	2	1	1	1	1	1		
149	1386							25	0	0	0	0								
150	1387	390.196078431	947.619047619	1	1	0	0	43	2	0	0	0.0465116279	2	1	1	1				
152	1391	1370.58823529	3328.57142857	1	1	0	0	24	1	0	0	0.0416666667	1	1	1	1				
154	1394	1568.62745098	3809.52380952	1	1	0	0	25	1	0	0	0.04	1	1	1	1				
156	1397	1570.58823529	3814.28571429	1	1	0	0	24	1	0	0	0.0416666667	1	1	1	1				
157	1398	972.549019608	2361.90476190	1	1	0	0	17	1	0	0	0.0588235294	1	1	1	1				
159	1401	1960.78431373	4761.90476190	1	0	0	0	1	0	0	0	0	1	1						
160	1402	1960.78431373	4761.90476190	1	1	0	0	45	4	0	0	0.0888888889	2	1	1	1				
161	1403	1960.78431373	4761.90476190	1	0	0	0	1	0	0	0	0	1	1						
162	1404	1960.78431373	4761.90476190	1	0	0	0	5	0	0	0	0	1	1						
163	1405	1960.78431373	4761.90476190	1	0	0	0	3	0	0	0	0	1	1						
164	1406	1960.78431373	4761.90476190	1	0	0	0	2	0	0	0	0	1	1						
166	1409	1960.78431373	4761.90476190	1	0	0	0	1	0	0	0	0	1	1						
168	1411	1960.78431373	4761.90476190	1	0	0	0	1	0	0	0	0	1	1						
170	1429	1960.78431373	4761.90476190	1	0	0	0	2	0	0	0	0	1	1						
172	1434	1960.78431373	4761.90476190	1	1	1	0	75	44	3	0	0.5866666667	1	1	1	1	1	1		
174	1437	1960.78431373	4761.90476190	1	0	0	0	2	0	0	0	0	1	1	0	0				
176	1441	1960.78431373	4761.90476190	1	1	0	0	30	9	0	0	0.3	1	1	1	1				
178	1443	1960.78431373	4761.90476190	1	0	0	0	17	0	0	0	0	1	1						
180	1454	1960.78431373	4761.90476190	1	1	0	0	52	33	0	0	0.6346153846	1	1	1	1				
182	1458	1960.78431373	4761.90476190	1	0	0	0	1	0	0	0	0	1	1						
184	1464	1960.78431373	4761.90476190	1	1	0	0	56	21	0	0	0.375	1	1	1	1				
186	1480	1960.78431373	4761.90476190	1	1	0	0	28	6	0	0	0.2142857143	1	1	1	1				
188	1484	1960.78431373	4761.90476190	1	1	0	0	8	2	0	0	0.25	1	1	1	1				
190	1524	1960.78431373	4761.90476190	1	0	0	0	1	0	0	0	0	1	1						
192	1552	1960.78431373	4761.90476190	1	1	0	0	55	20	0	0	0.3636363636	2	1	1	1				
194	1653	980.392156863	2380.95238095	1	1	0	0	43	5	0	0	0.1162790698	2	1	1	1				
198	Total			124	61	17	4	4025	1563	373	150		160	106	65	59	17	17	4	3