

Table 3.C

Unique Set-sums and related accords in the initial narrative group of Third Nephi

Summary					
Interval type	No. of factors of close accords	No. of close accords with intervals	No. of near accords with intervals	No. of "relaxed" near accords with intervals	Total No.
7-day week	0	10	0	0	10
9-day cycle	0	12	0	0	12
13-day cycle	0	6	0	0	6
20-day cycle	0	7	0	0	7
30-day cycle	0	4	0	0	4
260-day calendar	0	1	0	0	1
Long Count tun computing year	2	1	0	0	3
1 computing year	1	0	0	0	1
365-day year	0	0	0	0	0
819-day cycle	2	0	0	0	2
draconic month	1	12	14	13	40
sidereal month	1	17	12	13	43
synodic month	0	10	13	13	36
draconic or eclipse year	0	2	3	1	6
13-sidereal month year	0	0	1	1	2
6-synodic month semester	0	3	1	1	5
12-synodic month year	0	2	0	0	2
18-synodic month year	1	2	1	0	4
tropical year	0	0	0	0	0
sidereal year	0	0	0	0	0
Mercury sidereal period	0	6	3	3	12
Mercury synodic period	0	1	1	4	6
Venus sidereal period	1	0	0	1	2
Venus synodic period	0	2	1	0	3
Mars sidereal period	0	0	0	0	0
Mars synodic period	0	0	0	0	0
Jupiter sidereal period	0	0	0	0	0
Jupiter synodic period	0	1	1	2	4
Saturn sidereal period	5	0	0	0	5
Saturn synodic period	2	0	2	2	6
Total No.	16	99	53	54	222

Data

Factors of close accords

No.	Set-sums	Close accords
1.	18	1/20th of a close accord with 1 Long Count tun (360 days)
2.	9	1/40th of a close accord with 1 Long Count tun (360 days)
3.	91	1/4th of a close accord with 1 computing year (364 days)
4.	91	1/9th of a close accord with 1 819-day cycle
5.	9	1/91st of a close accord with 1 819-day cycle
6.	9	1/3rd of a close accord with 1 mean draconic month (about 27.21222 days)
7.	9	1/3rd of a close accord with 1 mean sidereal month (about 27.32166 days)
8.	9	1/59th of a close accord with 1 mean 18-synodic month year (about 531.5506 days)

No.	Set-sums	Close accords
9.	9	1/25th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days)
10.	9	1/1196th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
11.	18	1/598th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
12.	92	1/17th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
13.	276	1/39th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
14.	1794	1/6th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
15.	9	1/42nd of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)
16.	18	1/21st of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)

Close accords with intervals

No.	Set-sums	Close accords
1.	91	a close accord with the length of 13 7-day weeks
2.	294	a close accord with the length of 42 7-day weeks
3.	371	a close accord with the length of 53 7-day weeks
4.	609	a close accord with the length of 87 7-day weeks
5.	700	a close accord with the length of 100 7-day weeks
6.	784	a close accord with the length of 112 7-day weeks
7.	1309	a close accord with the length of 187 7-day weeks
8.	1491	a close accord with the length of 213 7-day weeks
9.	1981	a close accord with the length of 283 7-day weeks
10.	2275	a close accord with the length of 325 7-day weeks
11.	9	a close accord with the length of 1 9-day cycle
12.	18	a close accord with the length of 2 9-day cycles
13.	279	a close accord with the length of 31 9-day cycles
14.	783	a close accord with the length of 87 9-day cycles
15.	792	a close accord with the length of 88 9-day cycles
16.	801	a close accord with the length of 89 9-day cycles
17.	810	a close accord with the length of 90 9-day cycles
18.	918	a close accord with the length of 102 9-day cycles
19.	1548	a close accord with the length of 172 9-day cycles
20.	1980	a close accord with the length of 220 9-day cycles
21.	2349	a close accord with the length of 261 9-day cycles
22.	2367	a close accord with the length of 263 9-day cycles
23.	91	a close accord with the length of 7 13-day cycles
24.	793	a close accord with the length of 61 13-day cycles
25.	1040	a close accord with the length of 80 13-day cycles
26.	1209	a close accord with the length of 93 13-day cycles
27.	1794	a close accord with the length of 138 13-day cycles
28.	2275	a close accord with the length of 175 13-day cycles
29.	100	a close accord with the length of 5 20-day cycles
30.	600	a close accord with the length of 30 20-day cycles
31.	700	a close accord with the length of 35 20-day cycles
32.	1040	a close accord with the length of 52 20-day cycles
33.	1140	a close accord with the length of 57 20-day cycles
34.	1420	a close accord with the length of 71 20-day cycles
35.	1980	a close accord with the length of 99 20-day cycles
36.	600	a close accord with the length of 20 30-day cycles
37.	810	a close accord with the length of 27 30-day cycles
38.	1140	a close accord with the length of 38 30-day cycles
39.	1980	a close accord with the length of 66 30-day cycles
40.	1040	a close accord with the length of 4 260-day calendars
41.	1980	a close accord with the length of 5.5 Long Count tuns (360 days)
42.	95	a close accord with the length of 3.5 mean draconic months (about 95.2428 days)
43.	191	a close accord with the length of 7 mean draconic months (about 190.4855 days)
44.	285	a close accord with the length of 10.5 mean draconic months (about 285.7283 days)
45.	463	a close accord with the length of 17 mean draconic months (about 462.6077 days)
46.	967	a close accord with the length of 35.5 mean draconic months (about 966.0338 days)

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No.	Set-sums	Close accords
47.	1021	a close accord with the length of 37.5 mean draconic months (about 1020.4583 days)
48.	1048	a close accord with the length of 38.5 mean draconic months (about 1047.6705 days)
49.	1103	a close accord with the length of 40.5 mean draconic months (about 1102.0949 days)
50.	1319	a close accord with the length of 48.5 mean draconic months (about 1319.7927 days)
51.	1401	a close accord with the length of 51.5 mean draconic months (about 1401.4293 days)
52.	1973	a close accord with the length of 72.5 mean draconic months (about 1972.8860 days)
53.	2367	a close accord with the length of 87 mean draconic months (about 2367.4631 days)
54.	95	a close accord with the length of 3.5 mean sidereal months (about 95.6258 days)
55.	110	a close accord with the length of 4 mean sidereal months (about 109.2866 days)
56.	191	a close accord with the length of 7 mean sidereal months (about 191.2516 days)
57.	192	a close accord with the length of 7 mean sidereal months (about 191.2516 days)
58.	478	a close accord with the length of 17.5 mean sidereal months (about 478.1291 days)
59.	479	a close accord with the length of 17.5 mean sidereal months (about 478.1291 days)
60.	601	a close accord with the length of 22 mean sidereal months (about 601.0765 days)
61.	792	a close accord with the length of 29 mean sidereal months (about 792.3281 days)
62.	793	a close accord with the length of 29 mean sidereal months (about 792.3281 days)
63.	956	a close accord with the length of 35 mean sidereal months (about 956.2581 days)
64.	1039	a close accord with the length of 38 mean sidereal months (about 1038.2231 days)
65.	1420	a close accord with the length of 52 mean sidereal months (about 1420.7263 days)
66.	1789	a close accord with the length of 65.5 mean sidereal months (about 1789.5687 days)
67.	1980	a close accord with the length of 72.5 mean sidereal months (about 1980.8204 days)
68.	1981	a close accord with the length of 72.5 mean sidereal months (about 1980.8204 days)
69.	2349	a close accord with the length of 86 mean sidereal months (about 2349.6628 days)
70.	2459	a close accord with the length of 90 mean sidereal months (about 2458.9494 days)
71.	191	a close accord with the length of 6.5 mean synodic months (about 191.9488 days)
72.	192	a close accord with the length of 6.5 mean synodic months (about 191.9488 days)
73.	295	a close accord with the length of 10 mean synodic months (about 295.3059 days)
74.	709	a close accord with the length of 24 mean synodic months (about 708.7431 days)
75.	783	a close accord with the length of 26.5 mean synodic months (about 782.5606 days)
76.	856	a close accord with the length of 29 mean synodic months (about 856.3871 days)
77.	1048	a close accord with the length of 35.5 mean synodic months (about 1048.3359 days)
78.	1063	a close accord with the length of 36 mean synodic months (about 1063.1012 days)
79.	1328	a close accord with the length of 45 mean synodic months (about 1328.8765 days)
80.	1491	a close accord with the length of 50.5 mean synodic months (about 1491.2948 days)
81.	1039	a close accord with the length of 3 mean draconic years (about 1039.8602 days)
82.	1040	a close accord with the length of 3 mean draconic years (about 1039.8602 days)
83.	709	a close accord with the length of 4 6-synodic month semesters (about 708.7431 days)
84.	1063	a close accord with the length of 6 6-synodic month semesters (about 1063.1012 days)
85.	1328	a close accord with the length of 7.5 6-synodic month semesters (about 1328.8765 days)
86.	709	a close accord with the length of 2 12-synodic month years (about 708.7431 days)
87.	1063	a close accord with the length of 3 12-synodic month years (about 1063.1012 days)
88.	1063	a close accord with the length of 2 18-synodic month years (about 1063.1012 days)
89.	1328	a close accord with the length of 2.5 18-synodic month years (about 1328.8765 days)
90.	792	a close accord with the length of 9 mean sidereal periods of Mercury (about 791.7245 days)
91.	967	a close accord with the length of 11 mean sidereal periods of Mercury (about 967.6633 days)
92.	1012	a close accord with the length of 11.5 mean sidereal periods of Mercury (about 1011.6480 days)
93.	1319	a close accord with the length of 15 mean sidereal periods of Mercury (about 1319.5409 days)
94.	1789	a close accord with the length of 5 Mercury SESI (about 1789 days)
95.	1980	a close accord with the length of 22.5 mean sidereal periods of Mercury (about 1011.6480 days)
96.	463	a close accord with the length of 4 mean synodic periods of Mercury (about 463.5102 days)
97.	876	a close accord with the length of 1.5 mean synodic periods of Venus (about 875.8825 days)
98.	1012	a close accord with the length of 4.5 mean synodic periods of Venus (about 1011.1552 days)
99.	1794	a close accord with the length of 4.5 mean synodic periods of Jupiter (about 1794.9789 days)

Table 3.C-3

Near accords with intervals

No.	Set-sums	Near accords
1.	94	a near accord with the length of 3.5 mean draconic months (about 95.2428 days)
2.	110	a near accord with the length of 4 mean draconic months (about 108.8489 days)
3.	192	a near accord with the length of 7 mean draconic months (about 190.4855 days)
4.	461	a near accord with the length of 17 mean draconic months (about 462.6077 days)
5.	478	a near accord with the length of 17.5 mean draconic months (about 476.2139 days)
6.	600	a near accord with the length of 22 mean draconic months (about 598.6688 days)
7.	692	a near accord with the length of 25.5 mean draconic months (about 693.9116 days)
8.	709	a near accord with the length of 26 mean draconic months (about 707.5177 days)
9.	801	a near accord with the length of 29.5 mean draconic months (about 802.7605 days)
10.	856	a near accord with the length of 31.5 mean draconic months (about 857.1849 days)
11.	1063	a near accord with the length of 39 mean draconic months (about 1063.2766 days)
12.	1209	a near accord with the length of 44.5 mean draconic months (about 1210.9438 days)
13.	1212	a near accord with the length of 44.5 mean draconic months (about 1210.9438 days)
14.	2165	a near accord with the length of 79.5 mean draconic months (about 2163.3715 days)
15.	94	a near accord with the length of 3.5 mean sidereal months (about 95.6258 days)
16.	285	a near accord with the length of 10.5 mean sidereal months (about 286.8774 days)
17.	463	a near accord with the length of 17 mean sidereal months (about 464.4682 days)
18.	600	a near accord with the length of 22 mean sidereal months (about 601.0765 days)
19.	709	a near accord with the length of 26 mean sidereal months (about 710.3632 days)
20.	764	a near accord with the length of 28 mean sidereal months (about 765.0065 days)
21.	876	a near accord with the length of 32 mean sidereal months (about 874.2931 days)
22.	1012	a near accord with the length of 37 mean sidereal months (about 1010.9014 days)
23.	1040	a near accord with the length of 38 mean sidereal months (about 1038.2231 days)
24.	1132	a near accord with the length of 41.5 mean sidereal months (about 1133.8489 days)
25.	1327	a near accord with the length of 48.5 mean sidereal months (about 1325.1005 days)
26.	1491	a near accord with the length of 54.5 mean sidereal months (about 1489.0305 days)
27.	279	a near accord with the length of 9.5 mean synodic months (about 280.5406 days)
28.	294	a near accord with the length of 10 mean synodic months (about 295.3059 days)
29.	371	a near accord with the length of 12.5 mean synodic months (about 369.1324 days)
30.	692	a near accord with the length of 23.5 mean synodic months (about 693.9689 days)
31.	784	a near accord with the length of 26.5 mean synodic months (about 782.5606 days)
32.	1194	a near accord with the length of 40.5 mean synodic months (about 1195.9889 days)
33.	1209	a near accord with the length of 41 mean synodic months (about 1210.7542 days)
34.	1212	a near accord with the length of 41 mean synodic months (about 1210.7542 days)
35.	1327	a near accord with the length of 45 mean synodic months (about 1328.8765 days)
36.	1401	a near accord with the length of 47.5 mean synodic months (about 1402.7030 days)
37.	1980	a near accord with the length of 67 mean synodic months (about 1978.5495 days)
38.	2275	a near accord with the length of 77 mean synodic months (about 2273.8554 days)
39.	2349	a near accord with the length of 79.5 mean synodic months (about 2347.6819 days)
40.	692	a near accord with the length of 2 mean draconic years (about 693.2402 days)
41.	1212	a near accord with the length of 3.5 mean draconic years (about 1213.1703 days)
42.	1732	a near accord with the length of 5 mean draconic years (about 1733.1004 days)
43.	709	a near accord with the length of 2 13-sidereal month years (about 710.3632 days)
44.	1327	a near accord with the length of 7.5 mean 6-synodic month semesters (about 1328.8765 days)
45.	1327	a near accord with the length of 2.5 mean 18-synodic month years (about 1328.8765 days)
46.	485	a near accord with the length of 5.5 mean sidereal periods of Mercury (about 483.8316 days)
47.	793	a near accord with the length of 9 mean sidereal periods of Mercury (about 791.7245 days)
48.	1981	a near accord with the length of 22.5 mean sidereal periods of Mercury (about 1979.3113 days)
49.	810	a near accord with the length of 7 mean synodic periods of Mercury (about 811.1428 days)
50.	877	a near accord with the length of 1.5 mean synodic periods of Venus (about 875.8825 days)
51.	600	a near accord with the length of 1.5 mean synodic periods of Jupiter (about 598.3263 days)
52.	947	a near accord with the length of 2.5 mean synodic periods of Saturn (about 945.2302 days)
53.	2459	a near accord with the length of 6.5 mean synodic periods of Saturn (about 2457.5985 days)

Table 3.C-4

“Relaxed” near accords with intervals

No.	Set-sums	“Relaxed” near accords
1.	93	a shorter near accord with the length of 3.5 mean draconic months (about 95.2428 days)
2.	202	a shorter near accord with the length of 7.5 mean draconic months (about 204.9125 days)
3.	555	a shorter near accord with the length of 20.5 mean draconic months (about 557.8505 days)
4.	691	a shorter near accord with the length of 25.5 mean draconic months (about 693.9116 days)
5.	1140	a shorter near accord with the length of 42 mean draconic months (about 1142.9132 days)
6.	1794	a shorter near accord with the length of 66 mean draconic months (about 1796.0065 days)
7.	479	a longer near accord with the length of 17.5 mean draconic months (about 476.2139 days)
8.	601	a longer near accord with the length of 22 mean draconic months (about 598.6688 days)
9.	764	a longer near accord with the length of 28 mean draconic months (about 761.9422 days)
10.	792	a longer near accord with the length of 29 mean draconic months (about 789.1544 days)
11.	1132	a longer near accord with the length of 41.5 mean draconic months (about 1129.3071 days)
12.	1309	a longer near accord with the length of 48 mean draconic months (about 1306.1866 days)
13.	2275	a longer near accord with the length of 83.5 mean draconic months (about 2272.2204 days)
14.	93	a shorter near accord with the length of 3.5 mean sidereal months (about 95.6258 days)
15.	202	a shorter near accord with the length of 7.5 mean sidereal months (about 204.0917 days)
16.	371	a shorter near accord with the length of 13.5 mean sidereal months (about 368.8424 days)
17.	967	a shorter near accord with the length of 35.5 mean sidereal months (about 969.9189 days)
18.	1063	a shorter near accord with the length of 39 mean sidereal months (about 1065.5497 days)
19.	1309	a shorter near accord with the length of 48 mean sidereal months (about 1311.4397 days)
20.	1732	a shorter near accord with the length of 63.5 mean sidereal months (about 1734.9254 days)
21.	2183	a shorter near accord with the length of 80 mean sidereal months (about 2185.7328 days)
22.	276	a longer near accord with the length of 10 mean sidereal months (about 273.2166 days)
23.	727	a longer near accord with the length of 26.5 mean sidereal months (about 724.0240 days)
24.	877	a longer near accord with the length of 32 mean sidereal months (about 874.2931 days)
25.	918	a longer near accord with the length of 33.5 mean sidereal months (about 915.2756 days)
26.	1328	a longer near accord with the length of 48.5 mean sidereal months (about 1325.1005 days)
27.	485	a shorter near accord with the length of 13.5 mean synodic months (about 487.2547 days)
28.	618	a shorter near accord with the length of 21 mean synodic months (about 620.1424 days)
29.	691	a shorter near accord with the length of 23.5 mean synodic months (about 693.9689 days)
30.	810	a shorter near accord with the length of 27.5 mean synodic months (about 812.0912 days)
31.	1548	a shorter near accord with the length of 52.5 mean synodic months (about 1550.3560 days)
32.	2183	a shorter near accord with the length of 74 mean synodic months (about 2185.2367 days)
33.	91	a longer near accord with the length of 3 mean synodic months (about 88.5918 days)
34.	918	a longer near accord with the length of 31 mean synodic months (about 915.4483 days)
35.	947	a longer near accord with the length of 32 mean synodic months (about 944.9789 days)
36.	1021	a longer near accord with the length of 34.5 mean synodic months (about 1018.8054 days)
37.	1420	a longer near accord with the length of 48 mean synodic months (about 1417.4683 days)
38.	1789	a longer near accord with the length of 60.5 mean synodic months (about 1786.6007 days)
39.	1981	a longer near accord with the length of 67 mean synodic months (about 1978.5495 days)
40.	691	a shorter near accord with the length of 2 mean draconic years (about 693.2402 days)
41.	1063	a shorter near accord with the length of 3 mean 13-sidereal month years (about 1065.5497 days)
42.	618	a shorter near accord with the length of 3.5 6-synodic month semesters (about 620.1424 days)
43.	701	a shorter near accord with the length of 8 mean sidereal periods of Mercury (about 703.7551 days)
44.	877	a shorter near accord with the length of 10 mean sidereal periods of Mercury (about 879.6939 days)
45.	618	a longer near accord with the length of 7 mean sidereal periods of Mercury (about 615.7857 days)
46.	461	a shorter near accord with the length of 4 mean synodic periods of Mercury (about 463.5102 days)
47.	1040	a shorter near accord with the length of 9 mean synodic periods of Mercury (about 1042.8979 days)
48.	1794	a shorter near accord with the length of 15.5 mean synodic periods of Mercury (about 1794.9789 days)
49.	1103	a longer near accord with the length of 9.5 mean synodic periods of Mercury (about 1100.8366 days)
50.	784	a shorter near accord with the length of 3.5 mean sidereal periods of Venus (about 786.4541 days)
51.	1194	a shorter near accord with the length of 3 mean synodic periods of Jupiter (about 1196.6526 days)
52.	601	a longer near accord with the length of 1.5 mean synodic periods of Jupiter (about 598.3263 days)
53.	948	a longer near accord with the length of 2.5 mean synodic periods of Saturn (about 945.2302 days)
54.	1132	a shorter near accord with the length of 3 mean synodic periods of Saturn (about 1134.2762 days)

Table 3.C-5

Set-sums with no accords

<u>No.</u>	<u>Set-sum</u>	<u>No.</u>	<u>Set-sum</u>
1.	1	6.	277
2.	184	7.	718
3.	185	8.	1247
4.	186	9.	1411
5.	187		
