Table 4.B

Potential Sets, Set-sums, Set-contexts, and related accords based on analytical types and structural categories in the second 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	6	0	0	6
9-day cycle	0	2	0	0	2
13-day cycle	0	3	0	0	3
20-day cycle	0	2	0	0	2
30-day cycle	1	2	0	0	3
260-day calendar	1	0	0	0	1
Long Count tun	4	0	0	0	4
computing year	4	0	0	0	4
365-day year	0	0	0	0	0
819-day cycle	1	0	0	0	1
draconic month	1	6	7	4	18
sidereal month	1	6	7	4	18
synodic month	1	8	3	4	16
draconic or eclipse year	0	0	0	0	0
13-sidereal month year	1	0	0	0	1
6-synodic month semester	0	0	0	0	0
12-synodic month year	2	0	0	0	2
18-synodic month year	3	0	0	0	3
tropical year	0	0	0	0	0
sidereal year	0	0	0	0	0
Mercury sidereal period	2	1	0	0	3
Mercury synodic period	2	0	0	1	3
Venus sidereal period	4	0	0	0	4
Venus synodic period	1	0	0	0	1
Mars sidereal period	1	0	0	0	1
Mars synodic period	7	0	0	0	7
Jupiter sidereal period	1	0	0	0	1
Jupiter synodic period	1	0	0	0	1
Saturn sidereal period	4	0	0	0	4
Saturn synodic period	5	0	0	0	5
Total No.	48	36	17	13	114

Data

Express singular year-terms (all A)

Set No.	Set description	Set illustration	Set-sum
1.	Only (A) letter-set	10+11+13+13+13+14+14+15+15	118

Set No.	Set-context	Close, near, or relaxed near accord
1.	118 days	1/3rd of a close accord with 1 12-synodic month year (about 354.3671 days) a close accord with the length of 4 mean synodic months (about 118.1224 days) a longer near accord with the length of 1 mean synodic period of Mercury (about 115.8775 days)

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Omitted time-terms (all H)

Set No.	Set description	Set illustration	Set-sum
1.	Only (H) letter-set	10+11+13+13+13+14+14+15+15	118

Set No.	Set-context	Close, near, or relaxed near accord
1.	118 days	(see above)

Stated ordinal number-terms (all K)

Set No.	Set description	Set illustration	Set-sum
1.	Only (K) letter-set	10+11+13+13+13+14+14+15+15	118

Set No.	Set-context	Close, near, or relaxed near accord
1.	118 days	(see above)

Narrative-links (RQRQRQR letter pattern)

Set No.	Set description	Set illustration	Set-sums
1.	1st (R) letter-set	10+11	21
2.	1st (Q) letter-set	13	13
3.	2nd (R) letter-set	13+13	26
4.	2nd (Q) letter-set	14	14
5.	3rd (R) letter-set	14	14
6.	3rd (Q) letter-set	15	15
7.	4th (R) letter-set	15	15
	Two-part letter-groups		
8.	1st (RQ) letter-group	21+13	34
9.	1st (QR) letter-group	13+26	39
10.	2nd (RQ) letter-group	26+14	40
11.	2nd (QR) letter-group	14+14	28
12.	3rd (RQ) letter-group	14+15	29
13.	3rd (QR) letter-group	15+15	30
	Three-part letter-groups		
14.	1st (RQR) letter-group	34+26	60
15.	1st (QRQ) letter-group	39+14	53
16.	2nd (RQR) letter-group	40+14	54
17.	2nd (QRQ) letter-group	28+15	43
18.	3rd (RQR) letter-group	29+15	44
	Four-part letter-groups		
19.	1st (RQRQ) letter-group	60+14	74
20.	1st (QRQR) letter-group	53+14	67
21.	2nd (RQRQ) letter-group	54+15	69
22.	2nd (QRQR) letter-group	43+15	58
	Five-part letter-groups		
23.	1st (RQ[R]QR) letter-group	74+14	88
24.	Only (QR[Q]RQ) letter-group	67+15	82
25.	2nd (RQ[R]QR) letter-group	69+15	84
	Six-part letter-groups		
26.	Only (RQRQRQ) letter-group	88+15	103
27.	Only (QRQRQR) letter-group	82+15	97
	Subtotals and total		
28.	All (R) letter-sets	21+26+14+15	76
29.	All (Q) letter-sets	13+14+15	42
30.	Total letter-sets	76+42	118

Set No.	Set-context	Close, near, or relaxed near accord
1.	21 days	1/18th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)

Table 4.B-2

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Set No.	Set-context	Close, near, or relaxed near accord
1.	21 days	1/19th of a close accord with 1 mean synodic period of Jupiter (about 398.8842 days) a close accord with the length of 3 7-day weeks
2.	13 days	1/28th of a close accord with 1 computing year (364 days) 1/60th of a close accord with 1 mean synodic period of Mars (about 779.9365 days) 1/828th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days) a close accord with the length of 1 13-day cycle
3.	26 days	1/10th of a close accord with 1 260-day calendar 1/14th of a close accord with 1 computing year (364 days) 1/30th of a close accord with 1 mean synodic period of Mars (about 779.9365 days) 1/414th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days) a close accord with the length of 2 13-day cycles
4.	14 days	1/2 of a close accord with 1 mean draconic month (about 27.21222 days) 1/2 of a close accord with 1 mean sidereal month (about 27.32166 days) 1/16th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days) 1/26th of a close accord with 1 computing year (364 days) 1/27th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days) 1/38th of a close accord with 1 18-synodic month year (about 531.5506 days) 1/49th of a close accord with 1 mean sidereal period of Mars (about 686.9958 days) a close accord with the length of 2 7-day weeks
5.	14 days	(see above)
6.	15 days	1/2 of a close accord with 1 30-day cycle 1/2 of a close accord with 1 mean synodic month (about 29.53059 days) 1/24th of a close accord with 1 Long Count tun (360 days) 1/15th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days) 1/52nd of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
7.	15 days	(see above)
8.	34 days	none
9.	39 days	1/20th of a close accord with 1 mean synodic period of Mars (about 779.9365 days) 1/21st of a close accord with 1 819-day cycle 1/276th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days) a close accord with the length of 3 13-day cycles a near accord with the length of 1.5 mean draconic months (about 40.8183 days) a near accord with the length of 1.5 mean sidereal months (about 40.9825 days)
10.	40 days	1/9th of a close accord with 1 Long Count tun (360 days) a close accord with the length of 2 20-day cycles
11.	28 days	1/8th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days) 1/13th of a close accord with 1 computing year (364 days) 1/19th of a close accord with 1 18-synodic month year (about 531.5506 days) a close accord with the length of 4 7-day weeks a close accord with the length of 1 mean draconic month (about 27.21222 days) a close accord with the length of 1 mean sidereal month (about 27.32166 days) a near accord with the length of 1 mean synodic month (about 29.53059 days)
12.	29 days	1/3rd of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days) 1/4th of a close accord with 1 mean synodic period of Mercury (about 115.8775 days) a close accord with the length of 1 mean synodic month (about 29.53059 days) a near accord with the length of 1 mean draconic month (about 27.21222 days) a near accord with the length of 1 mean sidereal month (about 27.32166 days)
13.	30 days	1/12th of a close accord with 1 Long Count tun (360 days) 1/26th of a close accord with 1 mean synodic period of Mars (about 779.9365 days) a close accord with the length of 1 30-day cycle a close accord with the length of 1 mean synodic month (about 29.53059 days) a longer near accord with the length of 1 mean draconic month (about 27.21222 days) a longer near accord with the length of 1 mean sidereal month (about 27.32166 days)
14.	60 days	1/6th of a close accord with 1 Long Count tun (360 days) 1/13th of a close accord with 1 mean synodic period of Mars (about 779.9365 days) a close accord with the length of 3 20-day cycles a close accord with the length of 2 30-day cycles a close accord with the length of 2 mean synodic months (about 59.0612 days)

Table 4.B-3

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Set No.	Set-context	Close, near, or relaxed near accord
15.	53 days	1/11th of a close accord with 1 mean synodic period of Venus (about 583.9217 days) a near accord with the length of 2 mean draconic months (about 54.4244 days) a near accord with the length of 2 mean sidereal months (about 54.6433 days)
16.	54 days	1/7th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days) a close accord with the length of 6 9-day cycles a close accord with the length of 2 mean draconic months (about 54.4244 days) a close accord with the length of 2 mean sidereal months (about 54.6433 days)
17.	43 days	a near accord with the length of 1.5 mean synodic months (about 44.2959 days) a longer near accord with the length of 1.5 mean draconic months (about 40.8183 days) a longer near accord with the length of 1.5 mean sidereal months (about 40.9825 days)
18.	44 days	1/2 of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days) a close accord with the length of 1.5 mean synodic months (about 44.2959 days)
19.	74 days	a close accord with the length of 2.5 mean synodic months (about 73.8265 days)
20.	67 days	a near accord with the length of 2.5 mean draconic months (about 68.0306 days) a near accord with the length of 2.5 mean sidereal months (about 68.3042 days)
21.	69 days	1/156th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days) a close accord with the length of 2.5 mean draconic months (about 68.0306 days) a close accord with the length of 2.5 mean sidereal months (about 68.3042 days)
22.	58 days	1/2 of a close accord with 1 mean synodic period of Mercury (about 115.8775 days) a near accord with the length of 2 mean synodic months (about 59.0612 days)
23.	88 days	a close accord with the length of 3 mean synodic months (about 88.5918 days) a close accord with the length of 1 mean sidereal period of Mercury (about 87.9694 days)
24.	82 days	a close accord with the length of 3 mean draconic months (about 81.6367 days) a close accord with the length of 3 mean sidereal months (about 81.9650 days)
25.	84 days	a close accord with the length of 12 7-day weeks a longer near accord with the length of 3 mean draconic months (about 81.6367 days) a longer near accord with the length of 3 mean sidereal months (about 81.9650 days)
26.	103 days	a close accord with the length of 3.5 mean synodic months (about 103.3571 days)
27.	97 days	a near accord with the length of 3.5 mean draconic months (about 95.2428 days) a near accord with the length of 3.5 mean sidereal months (about 95.6258 days)
28.	76 days	1/7th of a close accord with 1 18-synodic month year (about 531.5506 days) 1/57th of a close accord with 1 mean sidereal period of Jupiter (about 4332.8486 days)
29.	42 days	1/9th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days) a close accord with the length of 6 7-day weeks a near accord with the length of 1.5 mean draconic months (about 40.8183 days) a near accord with the length of 1.5 mean sidereal months (about 40.9825 days) a shorter near accord with the length of 1.5 mean synodic months (about 44.2959 days)
30.	118 days	(see above)

Formal structural categories (*DADEBEAE* letter pattern)

Set No.	Set description	Set illustration	Set-sums
1.	1st (*D*) letter-set	10+11	21
2.	1st (*A*) letter-set	13	13
3.	2nd (*D*) letter-set	13	13
4.	1st (*E*) letter-set	13	13
5.	Only (*B*) letter-set	14	14
6.	2nd (*E*) letter-set	14	14
7.	2nd (*A*) letter-set	15	15
8.	3rd (*E*) letter-set	15	15
	Two-part letter-groups		
9.	Only (*DA*) letter-group	21+13	34
10.	Only (*AD*) letter-group	13+13	26
11.	Only (*DE*) letter-group	13+13	26
12.	Only (*EB*) letter-group	13+14	27
13.	Only (*BE*) letter-group	14+14	28
14.	Only (*EA*) letter-group	14+15	29

Table 4.B-4

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Set No.	Set description	Set illustration	Set-sums
15.	Only (*AE*) letter-group	15+15	30
	Three-part letter-groups		
16.	Only (*DAD*) letter-group	34+13	47
17.	Only (*ADE*) letter-group	26+13	39
18.	Only (*DEB*) letter-group	26+14	40
19.	Only (*EBE*) letter-group	27+14	41
20.	Only (*BEA*) letter-group	28+15	43
21.	Only (*EAE*) letter-group	29+15	44
	Four-part letter-groups		
22.	Only (*DADE*) letter-group	47+13	60
23.	Only (*ADEB*) letter-group	39+14	53
24.	Only (*DEBE*) letter-group	40+14	54
25.	Only (*EBEA*) letter-group	41+15	56
26.	Only (*BEAE*) letter-group	43+15	58
	Five-part letter-groups		
27.	Only (*DA*[*D*]*EB*) letter-group	60+14	74
28.	Only (*AD*[*E*]*BE*) letter-group	53+14	67
29.	Only (*DE*[*B*]*EA*) letter-group	54+15	69
30.	Only (*EB*[*E*]*AE*) letter-group	56+15	71
	Six-part letter-groups		
31.	Only (*DADEBE*) letter-group	74+14	88
32.	Only (*ADEBEA*) letter-group	67+15	82
33.	Only (*DEBEAE*) letter-group	69+15	84
	Seven-part letter-groups		
34.	Only (*DAD*[*E*]*BEA*) letter-group	88+15	103
35.	Only (*ADE*[*B*]*EAE*) letter-group	82+15	97
	Subtotals and total		
36.	All (*A*) letter-sets	13+15	28
37.	All (*D*) letter-sets	21+13	34
38.	All (*E*) letter-sets	13+14+15	42
39.	All within-year (*ABA*) letter-sets	13+14+15	42
40.	All year-end (*DE*) letter-sets	34+42	76
41.	Total formal letter-sets	42+76	118

Set No.	Set-context	Close, near, or relaxed near accord
1.	21 days	(see above)
2.	13 days	(see above)
3.	13 days	(see above)
4.	13 days	(see above)
5.	14 days	(see above)
6.	14 days	(see above)
7.	15 days	(see above)
8.	15 days	(see above)
9.	34 days	(see above)
10.	26 days	(see above)
11.	26 days	(see above)
12.	27 days	1/14th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days) a close accord with the length of 3 9-day cycles a close accord with the length of 1 mean draconic month (about 27.21222 days) a close accord with the length of 1 mean sidereal month (about 27.32166 days) a shorter near accord with the length of 1 mean synodic month (about 29.53059 days)
13.	28 days	(see above)
14.	29 days	(see above)
15.	30 days	(see above)
16.	47 days	a longer near accord with the length of 1.5 mean synodic months (about 44.2959 days)
17.	39 days	(see above)
18.	40 days	(see above)

Table 4.B-5

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Set No.	Set-context	Close, near, or relaxed near accord
19.	41 days	1/19th of a close accord with 1 mean synodic period of Mars (about 779.9365 days) a close accord with the length of 1.5 mean draconic months (about 40.8183 days) a close accord with the length of 1.5 mean sidereal months (about 40.9825 days)
20.	43 days	(see above)
21.	44 days	(see above)
22.	60 days	(see above)
23.	53 days	(see above)
24.	54 days	(see above)
25.	56 days	1/4th of a close accord with1 mean sideral period of Venus (about 224.7012 days) a close accord with the length of 8 7-day weeks a near accord with the length of 2 mean draconic months (about 54.4244 days) a near accord with the length of 2 mean sidereal months (about 54.6433 days)
26.	58 days	(see above)
27.	74 days	(see above)
28.	67 days	(see above)
29.	69 days	(see above)
30.	71 days	1/5th of a close accord with 1 13-sidereal month year (about 355.1816 days) 1/5th of a close accord with 1 12-synodic month year (about 354.3671 days) a shorter near accord with the length of 2.5 mean synodic months (about 73.8265 days) a longer near accord with the length of 2.5 mean draconic months (about 68.0306 days) a longer near accord with the length of 2.5 mean sidereal months (about 68.3042 days)
31.	88 days	(see above)
32.	82 days	(see above)
33.	84 days	(see above)
34.	103 days	(see above)
35.	97 days	(see above)
36.	28 days	(see above)
37.	34 days	(see above)
38.	42 days	(see above)
39.	42 days	(see above)
40.	76 days	(see above)
41.	118 days	(see above)

Table 4.B-6

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