

Table 4.C

## Potential unique Set-sums and related accords 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                               | 4                                   | 0                                  | 0  | 4         |
| 9-day cycle              | 0                               | 1                                   | 0                                  | 0  | 1         |
| 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                               | 3                                   | 3                                  | 1  | 8         |
| sidereal month           | 1                               | 3                                   | 3                                  | 1  | 8         |
| synodic month            | 1                               | 4                                   | 1                                  | 3  | 9         |
| draconic or eclipse year | 0                               | 0                                   | 0                                  | 0  | 0         |
| 13-sidereal month year   | 0                               | 0                                   | 0                                  | 0  | 0         |
| 6-synodic month semester | 0                               | 0                                   | 0                                  | 0  | 0         |
| 12-synodic month year    | 1                               | 0                                   | 0                                  | 0  | 1         |
| 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                               | 0                                   | 0                                  | 0  | 2         |
| Mercury synodic period   | 1                               | 0                                   | 0                                  | 1  | 2         |
| Venus sidereal period    | 3                               | 0                                   | 0                                  | 0  | 3         |
| Venus synodic period     | 0                               | 0                                   | 0                                  | 0  | 0         |
| 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   | 3                               | 0                                   | 0                                  | 0  | 3         |
| Saturn synodic period    | 4                               | 0                                   | 0                                  | 0  | 4         |
| Total No.                | 41                              | 22                                  | 7                                  | 6  | 76        |

## Data

## Factors of close accords

| No. | Set-sums | Close accords   |
|-----|----------|---|
| 1.  | 15       | 1/2 of a close accord with 1 30-day cycle                 |
| 2.  | 26       | 1/10th of a close accord with 1 260-day calendar          |
| 3.  | 15       | 1/24th of a close accord with 1 Long Count tun (360 days) |
| 4.  | 30       | 1/12th of a close accord with 1 Long Count tun (360 days) |
| 5.  | 40       | 1/9th of a close accord with 1 Long Count tun (360 days)  |
| 6.  | 60       | 1/6th of a close accord with 1 Long Count tun (360 days)  |
| 7.  | 13       | 1/28th of a close accord with 1 computing year (364 days) |
| 8.  | 14       | 1/26th of a close accord with 1 computing year (364 days) |

| No. | Set-sums | Close accords  |
|-----|----------|--|
| 9.  | 26       | 1/14th of a close accord with 1 computing year (364 days)                              |
| 10. | 28       | 1/13th of a close accord with 1 computing year (364 days)                              |
| 11. | 39       | 1/21st of a close accord with 1 819-day cycle  |
| 12. | 14       | 1/2 of a close accord with 1 mean draconic month (about 27.21222 days)                 |
| 13. | 14       | 1/2 of a close accord with 1 mean sidereal month (about 27.32166 days)                 |
| 14. | 15       | 1/2 of a close accord with 1 mean synodic month (about 29.53059 days)                  |
| 15. | 118      | 1/3rd of a close accord with 1 12-synodic month year (about 354.3671 days)             |
| 16. | 14       | 1/38th of a close accord with 1 18-synodic month year (about 531.5506 days)            |
| 17. | 28       | 1/19th of a close accord with 1 18-synodic month year (about 531.5506 days)            |
| 18. | 76       | 1/7th of a close accord with 1 18-synodic month year (about 531.5506 days)             |
| 19. | 29       | 1/3rd of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days)    |
| 20. | 44       | 1/2 of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days)      |
| 21. | 29       | 1/4th of a close accord with 1 mean synodic period of Mercury (about 115.8775 days)    |
| 22. | 14       | 1/16th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days)    |
| 23. | 15       | 1/15th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days)    |
| 24. | 28       | 1/8th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days)     |
| 25. | 14       | 1/49th of a close accord with 1 mean sidereal period of Mars (about 686.9958 days)     |
| 26. | 13       | 1/60th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)      |
| 27. | 15       | 1/52nd of a close accord with 1 mean synodic period of Mars (about 779.9365 days)      |
| 28. | 26       | 1/30th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)      |
| 29. | 30       | 1/26th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)      |
| 30. | 39       | 1/20th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)      |
| 31. | 41       | 1/19th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)      |
| 32. | 60       | 1/13th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)      |
| 33. | 76       | 1/57th of a close accord with 1 mean sidereal period of Jupiter (about 4332.8486 days) |
| 34. | 21       | 1/19th of a close accord with 1 mean synodic period of Jupiter (about 398.8842 days)   |
| 35. | 13       | 1/828th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)  |
| 36. | 26       | 1/414th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)  |
| 37. | 39       | 1/276th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)  |
| 38. | 14       | 1/27th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)    |
| 39. | 21       | 1/18th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)    |
| 40. | 27       | 1/14th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)    |
| 41. | 42       | 1/9th 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.  | 14       | a close accord with the length of 2 7-day weeks                                 |
| 2.  | 21       | a close accord with the length of 3 7-day weeks                                 |
| 3.  | 28       | a close accord with the length of 4 7-day weeks                                 |
| 4.  | 42       | a close accord with the length of 6 7-day weeks                                 |
| 5.  | 27       | a close accord with the length of 3 9-day cycles                                |
| 6.  | 13       | a close accord with the length of 1 13-day cycle                                |
| 7.  | 26       | a close accord with the length of 2 13-day cycles                               |
| 8.  | 39       | a close accord with the length of 3 13-day cycles                               |
| 9.  | 40       | a close accord with the length of 2 20-day cycles                               |
| 10. | 60       | a close accord with the length of 3 20-day cycles                               |
| 11. | 30       | a close accord with the length of 1 30-day cycle                                |
| 12. | 60       | a close accord with the length of 2 30-day cycles                               |
| 13. | 27       | a close accord with the length of 1 mean draconic month (about 27.21222 days)   |
| 14. | 28       | a close accord with the length of 1 mean draconic month (about 27.21222 days)   |
| 15. | 41       | a close accord with the length of 1.5 mean draconic months (about 40.8183 days) |
| 16. | 27       | a close accord with the length of 1 mean sidereal month (about 27.32166 days)   |
| 17. | 28       | a close accord with the length of 1 mean sidereal month (about 27.32166 days)   |
| 18. | 41       | a close accord with the length of 1.5 mean sidereal months (about 40.9825 days) |
| 19. | 29       | a close accord with the length of 1 mean synodic month (about 29.53059 days)    |

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| No. | Set-sums | Close accords   |
|-----|----------|---|
| 20. | 30       | a close accord with the length of 1 mean synodic month (about 29.53059 days)  |
| 21. | 60       | a close accord with the length of 2 mean synodic months (about 59.0612 days)  |
| 22. | 118      | a close accord with the length of 4 mean synodic months (about 118.1224 days) |

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Near accords with intervals

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| No. | Set-sums | Near accords   |
|-----|----------|--|
| 1.  | 29       | a near accord with the length of 1 mean draconic month (about 27.21222 days)   |
| 2.  | 39       | a near accord with the length of 1.5 mean draconic months (about 40.8183 days) |
| 3.  | 42       | a near accord with the length of 1.5 mean draconic months (about 40.8183 days) |
| 4.  | 29       | a near accord with the length of 1 mean sidereal month (about 27.32166 days)   |
| 5.  | 39       | a near accord with the length of 1.5 mean sidereal months (about 40.9825 days) |
| 6.  | 42       | a near accord with the length of 1.5 mean sidereal months (about 40.9825 days) |
| 7.  | 28       | a near accord with the length of 1 mean synodic month (about 29.53059 days)    |

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“Relaxed” near accords with intervals

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| No. | Set-sums | “Relaxed” near accords   |
|-----|----------|--|
| 1.  | 30       | a longer near accord with the length of 1 mean draconic month (about 27.21222 days)            |
| 2.  | 30       | a longer near accord with the length of 1 mean sidereal month (about 27.32166 days)            |
| 3.  | 27       | a shorter near accord with the length of 1 mean synodic month (about 29.53059 days)            |
| 4.  | 42       | a shorter near accord with the length of 1.5 mean synodic months (about 44.2959 days)          |
| 5.  | 47       | a longer near accord with the length of 1.5 mean synodic months (about 44.2959 days)           |
| 6.  | 118      | a longer near accord with the length of 1 mean synodic period of Mercury (about 115.8775 days) |

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Set-sums with no accords

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| No. | Set-sums |
|-----|----------|
| 1.  | 34       |

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