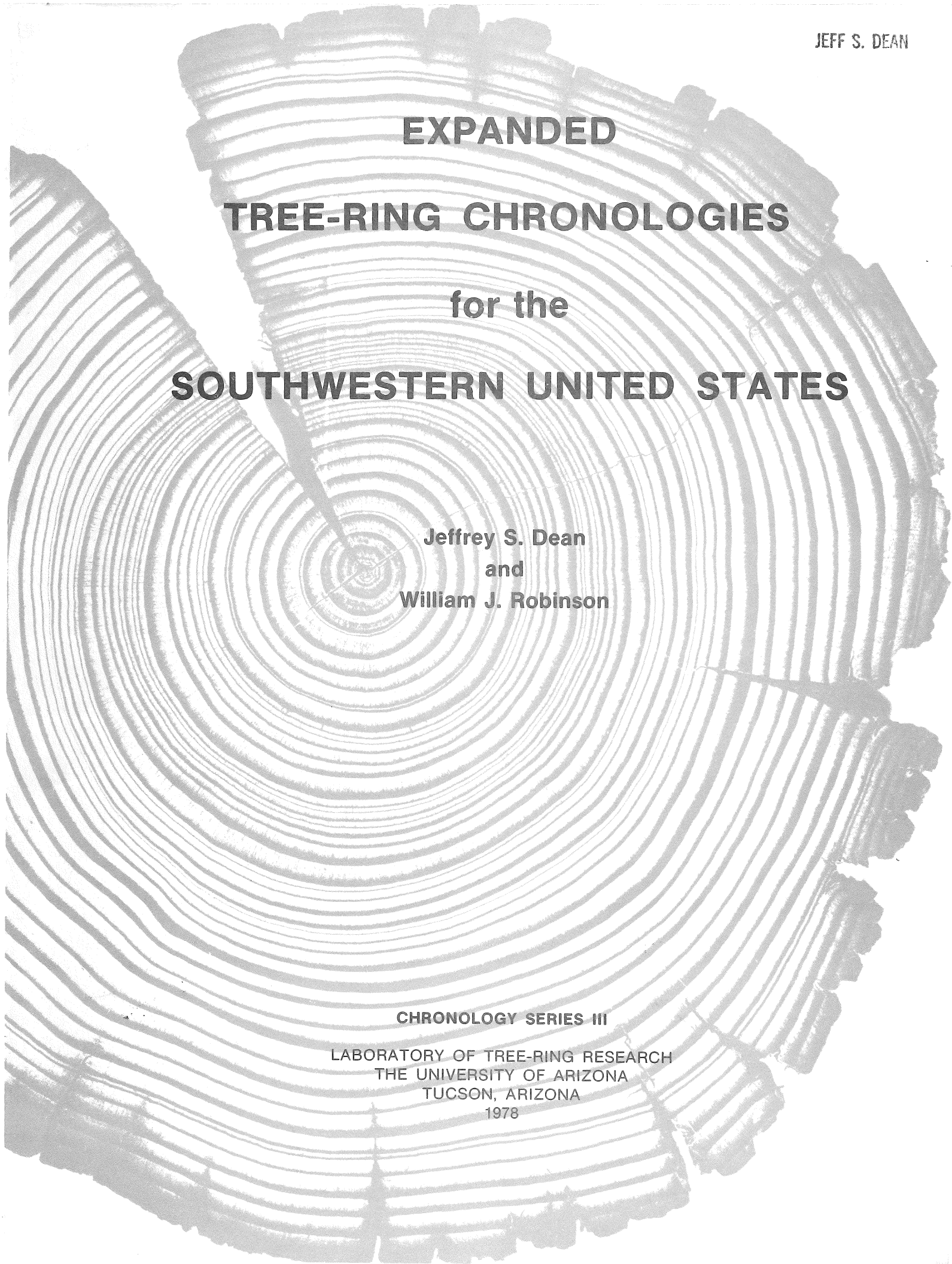

# EXPANDED TREE-RING CHRONOLOGIES for the SOUTHWESTERN UNITED STATES

Jeffrey S. Dean
and
William J. Robinson

CHRONOLOGY SERIES III

LABORATORY OF TREE-RING RESEARCH
THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA
1978

# EXPANDED TREE-RING CHRONOLOGIES

for the

# SOUTHWESTERN UNITED STATES

Jeffrey S. Dean

and

William J. Robinson

Chronology Series 3
Laboratory of Tree-Ring Research
The University of Arizona
Tucson, Arizona

1978

# PREFACE

The tree-ring chronologies presented here were developed as part of continuing efforts of the Archaeological Research Program of the Laboratory of Tree-Ring Research to exploit its collections of archaeological tree-ring samples for the benefit of Southwestern archaeological, paleoenvironmental, and dendroclimatological research. This work has been materially aided by financial and other support from several institutions and many individuals. The National Science Foundation, through Grants GS-247, 908, 2232, and 35086, supported the Dendrochronology of Southwestern United States Project, Bryant Bannister, Principal Investigator. This project, begun in 1963 and completed in 1974, accomplished the reanalysis of all Southwestern archaeological tree-ring material in the Laboratory's possession and undertook the initial compilation of 22 of the 25 archaeological chronologies presented here. The Advanced Research Projects Agency, through Grant AFOSR 72-2406, supported the "Reconstruction of Past Climatic Variability Project," Harold C. Fritts, Principal Investigator, which allowed the collection and analysis of more than 60 Southwestern living tree chronologies, 23 of which are matched with corresponding archaeological chronologies.

The Southwest Region and Interagency Services Division of the National Park Service, through a series of six contracts, supported the Southwest Paleoclimate Project, which, among other things, compiled the 25 final chronologies presented in this volume. Support from the National Park Service's Division of Chaco Research permitted the collection and analysis of a living tree series from Washington Pass that was matched with the Chuska Valley archaeological chronology. One living tree chronology was developed apart from the work of the

Archaeological Program. This chronology, Rainy Mesa - Station 24, was generously contributed by Charles W. Stockton from his work in dendrohydrology (Stockton 1975).

Laboratory analyses, dating, and measuring of the archaeological tree-ring material were performed by Jeffrey S. Dean, Richard L. Warren, and John W. Hannah who were aided at various times by James A. Neely, Marion L. Parker, and Ward F. Weakly. Many of the archaeological chronologies were originally prepared for and shepherded through computer processing by Benjamin W. Smith in 1967-1968. Between 1974 and 1976 the chronologies were updated and recompiled by Richard V. N. Ahlstrom. As always, the computer operations were ably handled by Linda G. Drew.

Although we collected most of the living tree samples between 1971 and 1977, we did use material collected in previous years by Edmund Schulman (1956) at Mesa Verde and in Tsegi Canyon and by Andrew E. Douglass (1947) near Flagstaff. We were aided in the field collection by Richard L. Warren, Dennie O. Bowden III, and Wallace E. Woolfenden of the Laboratory staff as well as by numerous archaeological and local guides, some truly native. Dating, measuring, and processing of these materials were undertaken by Jeffrey S. Dean, Dennie O. Bowden III, Dennis L. Roubicek, Deborah Westfall, Therese Adams, and James M. Burns. Deborah Westfall compiled the quantitative data for many of these chronologies. Again, Linda G. Drew supervised the computer operations.

TABLE OF CONTENTS

## LIST OF FIGURES



## LIST OF TABLES

# INTRODUCTION

The chronologies presented in this volume were formed from two data sets. These sets, although comparable in terms of the resultant chronology, were assembled from substantially different collections of raw data. The differences are fully described below in the discussion of each set.

A major assumption underlies our belief that the two data sets can be combined into single, continuous chronologies where an overlap of years occurs. We take the uniformitarian position that tree growth response to climate was the same in the past as it is today. Several lines of evidence support this assumption. The fact that continuous 2000+ year tree-ring chronologies comprised of thousands of overlapping ring sequences representing at least five species can be constructed indicates that there has been no basic change in growth-climate relationships of each species during the period of record. In addition, the fact that elevational and environmental distributions of the various species involved have not changed appreciably during the past 2000 years argues that there have been no fundamental changes in the ways in which trees respond to climate. Finally, the statistics of living tree-ring series do not differ significantly from those of the prehistoric data sets.

# ARCHAEOLOGICAL CHRONOLOGIES

Between 1963 and 1975, the Archaeological Research section of The Laboratory of Tree-Ring Research engaged in a complete dating review and documentation of all archaeological samples housed in the Laboratory. Some of these samples were collected as early as 1916 and most of them were collected prior to World War II. Samples received during the course of the project were integrated into the workflow until perhaps 150,000 individual samples were examined. The dating results of this project have been presented in a series of 16 volumes popularly referred to as the Quadrangle Series. Each volume contains a more detailed history of the project and of the collections.

The samples were organized so that all samples from a single archaeological site, whenever collected, were studied as a unit. Most samples were "skeleton" plotted as a permanent record of the ring characteristics and the plots of the dated samples were combined into single species plots for each site and further combined into a multiple-species composite plot for each site. This process, while ideal, was actually constrained by the number and quality of samples from individual sites. The sample plots were further combined into regional plots to represent tree growth through time for relatively small areas in the Southwest. The regions chosen were arbitrary in terms of climate, but followed the archaeological designation of sites within rectangles one degree of latitude by one degree of longitude. Again, plots were formed for each region for each separate species as well as for all available species combined.

Concurrently, many dated samples were measured to form the basis for metric ring-width chronologies. Not all dated samples were measured, since it is possible for an individual sample to date well while at the same time possess characteristics that introduce nonclimate related noise into a combined chronology. The measurements of each sample were plotted in 20-year running means to permit visual assessment of the potential fit of the standardization curve (Stokes and Smiley 1968: 59-60). Samples passing the assessment were standardized to form growth indices (Fritts et al 1969) and the resultant statistics generated were screened to assure a high degree of variance in common between samples. The final step in the process averaged the indices of all samples of a given species from a region to form an index chronology. In most cases the species chronologies were averaged together to form an overall regional or quadrangle chronology.

Because the quadrangles are arbitrary, the 25 chronologies presented here were constructed to represent well-known archaeological areas. At times this violates quadrangle boundaries (i.e. Natural Bridges area) and usually reduces the geographical range of the chronology to less than that of the corresponding quadrangle chronology. Each chronology was constructed to cover the maximum possible time range and, whenever possible, was formed from a single species. Some chronologies have early segments that are not included here because a) the segments do not overlap with the continuous chronology, b) the segments fall in the B.C. time range and are unmatched in other regions or c) the segments violate species integrity. The best example of this is the early portion of the Durango chronology (Station 23)

which extends back to 322 B.C., but is not included because this time range is unmatched elsewhere.

## LIVING TREE CHRONOLOGIES

Locations for sampling living trees were chosen to coincide geographically as close as possible to the sites from which archaeological chronologies were derived. We assumed that the archaeological beams and timbers were not, in the absence of the wheel or domestic animals, transported vast distances. In many cases, such as Mesa Verde or Flagstaff, we sampled living trees that were within view of the sites of their prehistoric counterparts. In other areas, such as northern New Mexico, lumbering appears to have seriously affected the present distribution of species such as ponderosa pine, forcing us to sample at greater distance from the area of sites. The worst situation is probably found at Chaco Canyon where the nearest living trees suitable for tree-ring chronologies were found approximately 30 airline miles away.

We also tried to match the species of our living trees to those of the archaeological chronology. Often, however, this was not possible without violating the proximity principle. Again, the inability to match species seems due to the changed dendrochronological characteristics of certain species as a consequence of logging which has destroyed the lower forest border in the northern Rio Grande valley and around the San Francisco Peaks in Arizona. Thus the ponderosa pine of the archaeological chronologies is often matched by pinyon pine.

Living trees were sampled with a Swedish increment borer which extracts a core of .43 cm diameter. Two cores were taken from each tree, usually from opposite sides. A minimum of 15 or 16 trees of each

species at a site was cored, which allowing for breakage and aberrant growth, resulted in an irreducible number of 10 trees, two cores per tree, for most chronologies. Laboratory procedures, after surface preparation, were similar to those employed for the archaeological samples.

## THE LISTING

Each chronology is presented with its name and station number (Figure 1 and Table 1). The identification number distinguishes among the thousands of tree-ring chronologies developed and used in the Laboratory. The latitude, longitude, and elevation given are subjective estimates of the centrum of the archaeological sites that contributed samples to the chronology. The species used in the archaeological chronology are given in descending order of frequency. An asterisk indicates predominance of one species.

Species abbreviations are: DF, Douglas-fir, Pseudotsuga menziesii; PP, ponderosa pine, Pinus ponderosa; PNN, pinyon pine, Pinus edulis; and JUN, juniper, Juniperus spp.

The body of the listings presents both the index value and the sample depth for each year. Since zero is possible as an index value, the notation 999 is used to represent no data. If the chronology is discontinuous, a set of summary statistics is presented for each segment in the same order of display.

# REFERENCES

Dean, Jeffrey S. and William J. Robinson

1977 Dendroclimatic Variability in the American Southwest A.D. 680 to 1970. Final Report to the National Park Service, Contract CX-1595-5-0241. Laboratory of Tree-Ring Research, The University of Arizona, Tucson.

Douglass, Andrew Ellicott

1947 Photographic Tree-Ring Chrologies and the Flagstaff Sequence. Tree-Ring Bulletin 14(2)10-16.

Fritts, Harold C., James E. Mosimann, and Christine P. Bottorff

1969 A Revised Computer Program for Standardizing Tree-Ring Series. Tree-Ring Bulletin 29(1-2)15-20.

Robinson, William J. and Jeffrey S. Dean

1969 Tree-Ring Evidence for Climatic Changes in the Prehistoric Southwest from A.D. 1000 to 1200. 1967-68 Annual Report to the National Park Service, Contract 14-10-7: 931-8. Laboratory of Tree-Ring Research, The University of Arizona, Tucson.

Schulman, Edmund

1956 Dendroclimatic Changes in Semiarid America. University of Arizona Press, Tucson.

Stockton, Charles W.

1975 Long-Term Streamflow Records Reconstructed from Tree Rings. Papers of the Laboratory of Tree-Ring Research 5.

Stokes, Marvin A. and Terah L. Smiley

1968 An Introduction to Tree-Ring Dating. The University of Chicago Press, Chicago and London.

Table 1. Station Chronologies

| Station | Archaeological Chronology | | Living Tree Chronology | |
|---|---|---|---|---|
| | Name | Years A.D. | Name | Years A.D. |
| 1 | Natural Bridges | 0094-1449 | Kane Springs | 1445-1971 |
| 2 | Navajo Mountain | 0340-1271 | Navajo Mountain | 1469-1971 |
| 3 | Tsegi Canyon | 0381-1284 | Betatakin Canyon | 1263-1972 |
| 4 | Coconino Plateau | 0610-1124 | Red Butte | 1448-1975 |
| 5 | Flagstaff | 0570-1310 | Medicine Valley | 1309-1972 |
| 6 | Central Mts.,North | 0965-1381 | Show Low | 1596-1972 |
| 7 | Central Mts.,South | 1096-1385 | Grasshopper | 1642-1971 |
| 8 | Hopi Mesas | 0500-1770 | Dinnebito | 1470-1971 |
| 9 | Puerco Valley | 0426-1283 | Defiance Plateau | 1512-1972 |
| 10 | Canyon de Chelly | 0001-1316 | Canyon de Chelly | 1376-1971 |
| 11 | Mesa Verde | 0480-1276 | Bobcat Canyon | 1200-1971 |
| 12 | Chuska Valley | 0532-1263 | Washington Pass | 1599-1976 |
| 13 | Cibola | 0435-1900 | Turkey Springs | 1595-1972 |
| 14 | Quemado | 0441-1282 | Agua Fria Creek | 1490-1972 |
| 15 | Cebolleta Mesa | 0680-1885 | Cebolleta Mesa | 1662-1972 |
| 16 | Chaco Canyon | 0660-1127 | Satan Pass | 1381-1972 |
| 17 | Gobernador | 0623-1751 | Pueblito Canyon | 1594-1971 |
| 18 | Jemez Mountains | 0598-1864 | Paliza Canyon | 1658-1972 |
| 19 | Chama Valley | 0759-1834 | Echo Amphitheater | 1362-1972 |
| 20 | Rio Grande, North | 1104-1916 | El Valle | 1708-1972 |
| 21 | Santa Fe | 0878-1930 | Glorieta Mesa | 1556-1972 |
| 22 | Chupadero Mesa | 1294-1648 | Tajique Canyon | 1656-1972 |
| 23 | Durango | 0034-1089 | Ditch Canyon | 1330-1971 |
| 24 | Reserve | 0578-1286 | Rainy Mesa | 1520-1967 |
| 25 | Little Colorado | 0916-1345 | Hay Hollow Valley | 1687-1973 |

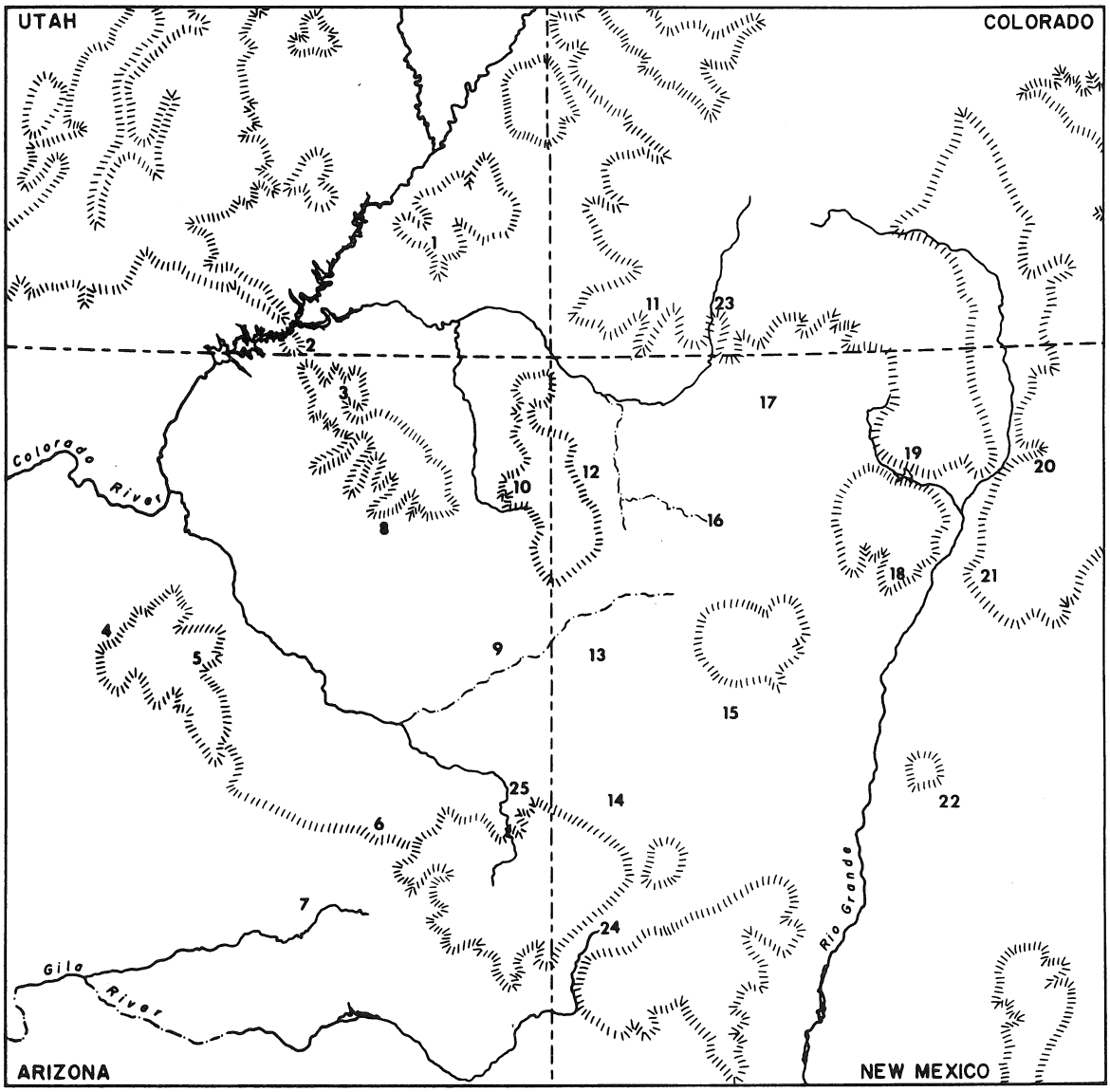


Figure 1. Location of chronologies in the Southwest.

1 NATURAL BRIDGES ID 999999
CENTRAL LAT 37 DEG 37 MIN, LONG 110 DEG 00 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN* JUN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 94 | 999 | 999 | 999 | 999 | 66 | 46 | 71 | 76 | 93 | 81 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100 | 64 | 97 | 92 | 88 | 145 | 87 | 135 | 142 | 106 | 71 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 110 | 115 | 135 | 96 | 161 | 129 | 103 | 69 | 109 | 118 | 130 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 120 | 129 | 150 | 120 | 59 | 88 | 70 | 67 | 64 | 77 | 68 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 130 | 99 | 18 | 77 | 57 | 52 | 158 | 133 | 81 | 190 | 48 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 140 | 129 | 92 | 126 | 126 | 61 | 105 | 172 | 105 | 111 | 85 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 150 | 21 | 129 | 182 | 182 | 49 | 159 | 169 | 92 | 52 | 25 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 160 | 105 | 115 | 47 | 113 | 52 | 43 | 141 | 26 | 35 | 33 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 170 | 159 | 105 | 33 | 57 | 68 | 93 | 27 | 134 | 12 | 94 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 180 | 125 | 80 | 105 | 142 | 130 | 120 | 110 | 128 | 148 | 100 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 190 | 67 | 123 | 162 | 155 | 134 | 125 | 129 | 70 | 147 | 69 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 200 | 94 | 32 | 127 | 163 | 135 | 118 | 126 | 146 | 139 | 172 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 210 | 67 | 141 | 129 | 117 | 114 | 92 | 98 | 72 | 63 | 102 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 220 | 109 | 88 | 76 | 110 | 101 | 72 | 102 | 134 | 148 | 91 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 |
| 230 | 80 | 70 | 150 | 149 | 127 | 109 | 25 | 102 | 82 | 65 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 240 | 86 | 135 | 67 | 91 | 82 | 56 | 103 | 96 | 46 | 52 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 250 | 110 | 125 | 113 | 88 | 104 | 98 | 120 | 71 | 39 | 100 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 260 | 47 | 90 | 31 | 140 | 75 | 43 | 106 | 130 | 165 | 144 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 270 | 30 | 79 | 69 | 110 | 36 | 72 | 134 | 128 | 47 | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 280 | 95 | 128 | 166 | 127 | 121 | 122 | 60 | 126 | 175 | 177 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 290 | 53 | 0 | 113 | 57 | 60 | 87 | 99 | 0 | 9 | 110 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 300 | 0 | 170 | 0 | 0 | 89 | 144 | 36 | 43 | 21 | 198 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 310 | 143 | 113 | 19 | 46 | 113 | 140 | 186 | 198 | 190 | 150 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 320 | 108 | 84 | 148 | 161 | 67 | 151 | 18 | 73 | 161 | 104 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 330 | 130 | 125 | 143 | 93 | 90 | 104 | 110 | 100 | 153 | 165 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 340 | 83 | 85 | 92 | 162 | 45 | 97 | 117 | 71 | 71 | 77 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 350 | 78 | 121 | 91 | 120 | 68 | 76 | 89 | 79 | 120 | 76 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 360 | 73 | 39 | 34 | 35 | 44 | 67 | 56 | 44 | 101 | 55 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 370 | 35 | 110 | 138 | 74 | 91 | 66 | 49 | 60 | 66 | 111 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 380 | 152 | 71 | 21 | 98 | 109 | 52 | 66 | 78 | 84 | 67 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 390 | 63 | 75 | 66 | 65 | 124 | 88 | 75 | 101 | 91 | 77 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 400 | 80 | 101 | 96 | 62 | 113 | 109 | 112 | 163 | 127 | 130 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 410 | 79 | 91 | 123 | 91 | 112 | 96 | 122 | 96 | 75 | 58 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 420 | 91 | 135 | 140 | 82 | 115 | 61 | 50 | 82 | 71 | 72 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 430 | 100 | 20 | 85 | 128 | 149 | 111 | 132 | 122 | 90 | 80 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 440 | 101 | 141 | 121 | 124 | 135 | 194 | 109 | 69 | 97 | 66 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 450 | 127 | 90 | 58 | 71 | 96 | 11 | 108 | 90 | 126 | 169 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 460 | 108 | 82 | 114 | 78 | 99 | 143 | 90 | 112 | 109 | 98 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 470 | 103 | 77 | 95 | 6 | 72 | 136 | 93 | 174 | 88 | 135 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 480 | 132 | 101 | 130 | 68 | 137 | 101 | 99 | 100 | 58 | 99 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 490 | 120 | 69 | 156 | 64 | 146 | 140 | 131 | 116 | 110 | 145 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 500 | 61 | 100 | 135 | 157 | 156 | 120 | 104 | 113 | 64 | 127 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 510 | 140 | 120 | 92 | 28 | 89 | 40 | 8 | 21 | 92 | 97 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 520 | 77 | 154 | 179 | 183 | 72 | 76 | 29 | 74 | 78 | 103 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 530 | 177 | 139 | 150 | 97 | 163 | 59 | 111 | 174 | 102 | 32 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 540 | 63 | 104 | 29 | 44 | 93 | 108 | 147 | 180 | 145 | 147 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |
| 550 | 138 | 146 | 121 | 57 | 25 | 143 | 129 | 142 | 113 | 98 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 560 | 89 | 82 | 114 | 20 | 91 | 27 | 120 | 95 | 60 | 42 | 14 | 14 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 |
| 570 | 48 | 110 | 114 | 126 | 165 | 169 | 127 | 130 | 71 | 106 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| 580 | 62 | 98 | 107 | 97 | 59 | 109 | 81 | 126 | 48 | 136 | 14 | 14 | 15 | 15 | 15 | 15 | 16 | 17 | 17 | 17 |
| 590 | 76 | 61 | 133 | 121 | 145 | 145 | 122 | 90 | 95 | 82 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 15 | 15 | 15 |
| 600 | 97 | 90 | 107 | 89 | 78 | 90 | 112 | 95 | 124 | 90 | 15 | 15 | 15 | 14 | 14 | 13 | 13 | 13 | 13 | 13 |
| 610 | 96 | 37 | 83 | 79 | 82 | 38 | 72 | 80 | 88 | 67 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 620 | 30 | 140 | 151 | 117 | 119 | 95 | 77 | 154 | 138 | 107 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 12 | 12 | 12 |
| 630 | 38 | 112 | 66 | 19 | 49 | 113 | 170 | 152 | 134 | 69 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 640 | 81 | 138 | 160 | 130 | 133 | 68 | 41 | 73 | 82 | 160 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 650 | 142 | 68 | 124 | 161 | 159 | 153 | 144 | 89 | 97 | 101 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 660 | 19 | 40 | 100 | 26 | 38 | 108 | 119 | 142 | 99 | 139 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 |
| 670 | 110 | 141 | 139 | 116 | 146 | 140 | 109 | 40 | 90 | 132 | 14 | 14 | 15 | 14 | 14 | 14 | 14 | 13 | 13 | 14 |
| 680 | 93 | 99 | 103 | 96 | 101 | 105 | 85 | 85 | 122 | 134 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 690 | 98 | 153 | 55 | 118 | 81 | 130 | 83 | 144 | 87 | 87 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 700 | 105 | 111 | 89 | 90 | 21 | 69 | 49 | 30 | 70 | 30 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 710 | 95 | 88 | 82 | 106 | 88 | 114 | 50 | 70 | 44 | 135 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 720 | 130 | 104 | 88 | 70 | 1 | 135 | 119 | 142 | 184 | 103 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 730 | 180 | 173 | 140 | 126 | 92 | 133 | 135 | 122 | 13 | 55 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 740 | 131 | 75 | 29 | 152 | 71 | 70 | 158 | 132 | 37 | 131 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 750 | 52 | 23 | 69 | 112 | 54 | 106 | 72 | 48 | 85 | 148 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 760 | 104 | 65 | 99 | 47 | 89 | 149 | 132 | 116 | 150 | 77 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 770 | 95 | 49 | 125 | 88 | 39 | 107 | 99 | 104 | 56 | 6 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| 780 | 134 | 91 | 82 | 160 | 189 | 182 | 44 | 152 | 78 | 120 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 790 | 84 | 111 | 117 | 159 | 156 | 91 | 141 | 85 | 145 | 88 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 800 | 150 | 119 | 119 | 170 | 142 | 127 | 111 | 141 | 40 | 2 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 10 |
| 810 | 145 | 137 | 99 | 166 | 184 | 117 | 111 | 71 | 73 | 46 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 820 | 153 | 181 | 177 | 39 | 59 | 85 | 170 | 73 | 141 | 77 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |
| 830 | 55 | 171 | 134 | 146 | 96 | 64 | 103 | 97 | 137 | 127 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 14 |
| 840 | 54 | 90 | 95 | 130 | 76 | 122 | 108 | 35 | 90 | 54 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 |
| 850 | 96 | 35 | 95 | 91 | 122 | 88 | 126 | 64 | 136 | 85 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 15 |
| 860 | 109 | 90 | 84 | 66 | 77 | 57 | 88 | 49 | 66 | 115 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 870 | 95 | 90 | 57 | 143 | 93 | 37 | 110 | 145 | 97 | 112 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 16 | 15 | 15 |
| 880 | 85 | 99 | 57 | 60 | 45 | 122 | 116 | 99 | 113 | 96 | 17 | 17 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 890 | 121 | 83 | 68 | 124 | 76 | 98 | 116 | 178 | 151 | 194 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 900 | 95 | 75 | 136 | 70 | 129 | 120 | 21 | 26 | 110 | 112 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 910 | 127 | 143 | 91 | 94 | 113 | 95 | 97 | 131 | 125 | 130 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 920 | 49 | 120 | 109 | 44 | 22 | 125 | 150 | 118 | 158 | 83 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 930 | 42 | 130 | 102 | 73 | 60 | 79 | 84 | 80 | 99 | 38 | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 |
| 940 | 106 | 108 | 120 | 66 | 52 | 122 | 141 | 107 | 88 | 148 | 21 | 20 | 20 | 20 | 20 | 21 | 21 | 21 | 21 | 21 |
| 950 | 125 | 90 | 103 | 63 | 39 | 79 | 136 | 88 | 129 | 148 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 22 |
| 960 | 181 | 67 | 126 | 140 | 123 | 120 | 116 | 119 | 84 | 40 | 23 | 23 | 23 | 22 | 22 | 21 | 21 | 21 | 21 | 21 |
| 970 | 124 | 89 | 17 | 152 | 124 | 105 | 65 | 135 | 50 | 73 | 22 | 22 | 22 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 980 | 0 | 4 | 115 | 67 | 48 | 149 | 166 | 191 | 205 | 181 | 20 | 20 | 20 | 20 | 20 | 20 | 21 | 20 | 20 | 19 |
| 990 | 89 | 17 | 105 | 23 | 109 | 77 | 162 | 71 | 110 | 102 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1000 | 132 | 78 | 46 | 93 | 138 | 73 | 120 | 118 | 150 | 85 | 20 | 20 | 20 | 20 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1010 | 72 | 116 | 80 | 56 | 98 | 114 | 122 | 118 | 44 | 32 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 19 | 18 |
| 1020 | 115 | 121 | 119 | 127 | 169 | 96 | 106 | 117 | 97 | 102 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1030 | 56 | 113 | 98 | 80 | 90 | 68 | 60 | 67 | 90 | 72 | 18 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 |
| 1040 | 71 | 99 | 127 | 92 | 51 | 128 | 54 | 163 | 66 | 149 | 16 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 |
| 1050 | 95 | 118 | 147 | 112 | 122 | 36 | 148 | 118 | 193 | 104 | 15 | 15 | 15 | 15 | 15 | 16 | 15 | 15 | 14 | 15 |
| 1060 | 127 | 128 | 93 | 156 | 174 | 128 | 75 | 40 | 90 | 135 | 15 | 15 | 15 | 16 | 16 | 15 | 14 | 14 | 14 | 14 |
| 1070 | 144 | 58 | 102 | 88 | 107 | 115 | 146 | 110 | 103 | 117 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1080 | 139 | 62 | 106 | 89 | 127 | 27 | 64 | 122 | 72 | 126 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1090 | 51 | 72 | 113 | 84 | 70 | 108 | 114 | 81 | 52 | 32 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1100 | 103 | 73 | 121 | 84 | 78 | 163 | 99 | 61 | 99 | 142 | 13 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1110 | 180 | 178 | 166 | 89 | 143 | 132 | 150 | 131 | 133 | 112 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 11 | 12 | 12 |
| 1120 | 64 | 74 | 126 | 50 | 108 | 44 | 52 | 84 | 132 | 150 | 12 | 12 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| 1130 | 107 | 49 | 115 | 120 | 108 | 89 | 117 | 104 | 100 | 91 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1140 | 49 | 110 | 94 | 140 | 71 | 114 | 62 | 48 | 74 | 86 | 11 | 11 | 11 | 11 | 11 | 12 | 11 | 11 | 11 | 11 |
| 1150 | 1 | 1 | 142 | 78 | 90 | 141 | 34 | 109 | 28 | 142 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1160 | 179 | 33 | 94 | 188 | 92 | 136 | 34 | 182 | 43 | 13 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 |
| 1170 | 52 | 98 | 98 | 107 | 99 | 29 | 91 | 49 | 132 | 23 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |
| 1180 | 130 | 144 | 95 | 41 | 95 | 161 | 90 | 77 | 123 | 108 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1190 | 124 | 44 | 66 | 74 | 126 | 204 | 106 | 185 | 80 | 31 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1200 | 192 | 118 | 138 | 187 | 189 | 105 | 142 | 124 | 55 | 168 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1210 | 112 | 124 | 158 | 157 | 106 | 67 | 34 | 59 | 74 | 161 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 1220 | 143 | 75 | 143 | 139 | 79 | 80 | 157 | 18 | 169 | 124 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

1 NATURAL BRIDGES ID 909999
CENTRAL LAT 37 DEG 37 MIN, LONG 110 DEG 00 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN* JUN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1230 | 93 | 120 | 109 | 23 | 114 | 103 | 68 | 97 | 143 | 108 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 |
| 1240 | 50 | 98 | 120 | 108 | 47 | 69 | 85 | 57 | 180 | 128 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| 1250 | 116 | 30 | 93 | 123 | 33 | 136 | 112 | 119 | 29 | 152 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 2 |
| 1260 | 116 | 82 | 55 | 85 | 41 | 91 | 128 | 176 | 170 | 157 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1270 | 103 | 134 | 128 | 36 | 60 | 121 | 41 | 89 | 28 | 91 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1280 | 92 | 37 | 86 | 76 | 101 | 59 | 93 | 68 | 63 | 103 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1290 | 139 | 53 | 63 | 67 | 91 | 57 | 82 | 65 | 112 | 104 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1300 | 103 | 132 | 171 | 154 | 134 | 153 | 67 | 29 | 96 | 117 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1310 | 166 | 112 | 102 | 121 | 139 | 96 | 33 | 93 | 115 | 124 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1320 | 132 | 142 | 93 | 86 | 102 | 161 | 172 | 119 | 71 | 78 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1330 | 127 | 132 | 117 | 99 | 50 | 26 | 80 | 90 | 41 | 63 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1340 | 87 | 109 | 115 | 57 | 124 | 119 | 78 | 62 | 48 | 83 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1350 | 33 | 49 | 54 | 123 | 117 | 54 | 135 | 139 | 112 | 89 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1360 | 54 | 22 | 61 | 51 | 78 | 88 | 168 | 167 | 160 | 172 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1370 | 185 | 119 | 119 | 170 | 155 | 67 | 64 | 86 | 139 | 110 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1380 | 166 | 115 | 90 | 103 | 112 | 89 | 113 | 118 | 98 | 35 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1390 | 40 | 37 | 123 | 85 | 122 | 56 | 61 | 81 | 87 | 45 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1400 | 56 | 118 | 52 | 103 | 134 | 203 | 145 | 171 | 86 | 139 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 1410 | 105 | 97 | 186 | 142 | 242 | 135 | 163 | 192 | 0 | 148 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1420 | 102 | 0 | 132 | 0 | 124 | 0 | 155 | 117 | 79 | 158 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1430 | 179 | 231 | 192 | 163 | 184 | 0 | 125 | 178 | 179 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1440 | 171 | 172 | 108 | 131 | 176 | 117 | 55 | 131 | 144 | 106 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 1450 | 32 | 156 | 174 | 136 | 84 | 67 | 88 | 92 | 122 | 163 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1460 | 107 | 137 | 158 | 108 | 54 | 76 | 103 | 145 | 121 | 95 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1470 | 92 | 49 | 54 | 76 | 137 | 125 | 138 | 160 | 131 | 96 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1480 | 64 | 56 | 175 | 145 | 154 | 124 | 128 | 61 | 108 | 147 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1490 | 147 | 173 | 105 | 116 | 119 | 57 | 80 | 102 | 141 | 85 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 |
| 1500 | 30 | 82 | 107 | 106 | 109 | 76 | 67 | 89 | 120 | 164 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1510 | 101 | 130 | 113 | 139 | 134 | 120 | 92 | 110 | 98 | 115 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| 1520 | 106 | 92 | 38 | 96 | 105 | 96 | 110 | 88 | 80 | 63 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1530 | 81 | 102 | 21 | 51 | 101 | 99 | 119 | 116 | 62 | 70 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1540 | 107 | 90 | 51 | 87 | 74 | 54 | 101 | 69 | 85 | 118 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1550 | 129 | 150 | 109 | 98 | 66 | 92 | 107 | 114 | 100 | 100 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1560 | 118 | 77 | 92 | 93 | 126 | 127 | 112 | 77 | 100 | 96 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1570 | 93 | 80 | 67 | 75 | 80 | 85 | 75 | 114 | 124 | 113 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1580 | 78 | 109 | 85 | 48 | 66 | 51 | 108 | 108 | 108 | 89 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1590 | 33 | 102 | 74 | 81 | 153 | 142 | 146 | 76 | 81 | 118 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1600 | 43 | 96 | 138 | 122 | 149 | 151 | 136 | 67 | 105 | 106 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1610 | 123 | 106 | 87 | 86 | 65 | 119 | 124 | 137 | 140 | 112 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1620 | 116 | 136 | 92 | 63 | 42 | 70 | 17 | 34 | 74 | 100 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1630 | 91 | 73 | 53 | 99 | 106 | 130 | 99 | 73 | 84 | 93 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1640 | 131 | 98 | 105 | 113 | 130 | 118 | 104 | 135 | 60 | 128 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1650 | 154 | 110 | 115 | 127 | 91 | 92 | 124 | 109 | 84 | 108 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1660 | 135 | 110 | 105 | 50 | 70 | 74 | 92 | 60 | 88 | 102 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1670 | 25 | 103 | 133 | 110 | 156 | 133 | 85 | 129 | 146 | 126 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1680 | 156 | 150 | 150 | 168 | 98 | 13 | 60 | 154 | 140 | 153 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1690 | 153 | 142 | 168 | 154 | 131 | 143 | 93 | 93 | 49 | 93 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1700 | 80 | 131 | 98 | 68 | 83 | 107 | 132 | 95 | 97 | 110 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1710 | 106 | 100 | 90 | 125 | 104 | 131 | 114 | 104 | 144 | 151 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1720 | 152 | 104 | 40 | 113 | 58 | 132 | 125 | 131 | 38 | 28 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 |
| 1730 | 79 | 86 | 116 | 48 | 90 | 26 | 95 | 87 | 101 | 94 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1740 | 54 | 100 | 104 | 124 | 95 | 113 | 120 | 125 | 49 | 121 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1750 | 99 | 96 | 54 | 87 | 90 | 59 | 75 | 35 | 87 | 88 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1760 | 109 | 92 | 100 | 83 | 103 | 72 | 126 | 96 | 135 | 118 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1770 | 73 | 123 | 89 | 19 | 67 | 92 | 91 | 55 | 59 | 91 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1780 | 72 | 96 | 80 | 94 | 125 | 69 | 99 | 127 | 63 | 102 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1790 | 46 | 118 | 100 | 103 | 81 | 113 | 109 | 70 | 112 | 117 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1800 | 93 | 61 | 113 | 55 | 90 | 53 | 40 | 138 | 113 | 138 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1810 | 91 | 129 | 117 | 11 | 92 | 92 | 118 | 114 | 39 | 64 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1820 | 40 | 66 | 52 | 61 | 85 | 129 | 144 | 85 | 169 | 82 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1830 | 115 | 85 | 124 | 149 | 119 | 160 | 126 | 160 | 137 | 153 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1840 | 155 | 154 | 127 | 126 | 126 | 42 | 123 | 22 | 81 | 150 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1850 | 129 | 57 | 159 | 117 | 125 | 138 | 165 | 128 | 104 | 68 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1860 | 99 | 12 | 150 | 130 | 44 | 123 | 150 | 119 | 138 | 126 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1870 | 109 | 39 | 46 | 48 | 89 | 99 | 93 | 127 | 104 | 90 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1880 | 105 | 66 | 61 | 91 | 108 | 123 | 100 | 64 | 97 | 131 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1890 | 153 | 139 | 143 | 105 | 58 | 114 | 17 | 141 | 138 | 43 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1900 | 34 | 103 | 34 | 104 | 45 | 129 | 141 | 170 | 135 | 154 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1910 | 150 | 171 | 153 | 170 | 174 | 166 | 198 | 165 | 109 | 156 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1920 | 155 | 88 | 131 | 90 | 85 | 64 | 112 | 125 | 89 | 117 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 88 | 76 | 110 | 100 | 55 | 109 | 75 | 91 | 105 | 96 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 111 | 115 | 148 | 154 | 110 | 123 | 53 | 68 | 97 | 121 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 102 | 15 | 112 | 90 | 94 | 68 | 44 | 83 | 104 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 80 | 77 | 95 | 81 | 43 | 85 | 86 | 75 | 83 | 109 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1970 | 92 | 72 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .257 STANDARD DEVIATION = .397 MEAN SENSITIVITY = .435 N = 1870

2 NAVAJO MOUNTAIN ID 345000
CENTRAL LAT 37 DEG 05 MIN, LONG 110 DEG 45 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN* JUN, LIVING - PNN

| | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 340 | 104 | 128 | 113 | 129 | 106 | 85 | 148 | 111 | 90 | 95 | 1 | 1 | 1 | 2 | 4 | 4 | 4 | 5 | 5 | 5 |
| 350 | 106 | 93 | 86 | 90 | 107 | 77 | 94 | 103 | 84 | 71 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 360 | 105 | 73 | 74 | 86 | 71 | 98 | 62 | 118 | 80 | 79 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 370 | 65 | 142 | 124 | 78 | 138 | 70 | 125 | 114 | 113 | 160 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 380 | 120 | 100 | 43 | 137 | 139 | 43 | 90 | 123 | 85 | 78 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 390 | 107 | 115 | 105 | 89 | 131 | 97 | 149 | 99 | 108 | 121 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 400 | 95 | 158 | 100 | 73 | 170 | 114 | 74 | 136 | 112 | 93 | 8 | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| 410 | 91 | 114 | 101 | 115 | 73 | 64 | 133 | 126 | 79 | 94 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 420 | 109 | 139 | 131 | 92 | 102 | 135 | 53 | 97 | 78 | 86 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 |
| 430 | 124 | 91 | 112 | 169 | 123 | 116 | 150 | 112 | 39 | 60 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 440 | 86 | 129 | 53 | 83 | 94 | 75 | 56 | 86 | 82 | 106 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 450 | 157 | 129 | 54 | 93 | 105 | 52 | 86 | 102 | 114 | 165 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 460 | 34 | 68 | 95 | 70 | 127 | 94 | 77 | 120 | 130 | 120 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 470 | 84 | 88 | 36 | 61 | 81 | 120 | 87 | 180 | 128 | 121 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 480 | 137 | 136 | 158 | 87 | 166 | 105 | 101 | 109 | 98 | 105 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 490 | 110 | 123 | 103 | 50 | 102 | 120 | 101 | 90 | 76 | 103 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 500 | 48 | 120 | 32 | 130 | 147 | 96 | 108 | 110 | 76 | 112 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 510 | 106 | 106 | 71 | 28 | 91 | 12 | 1 | 0 | 51 | 30 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 520 | 46 | 51 | 92 | 127 | 74 | 79 | 27 | 114 | 98 | 97 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 530 | 132 | 61 | 9 | 43 | 84 | 51 | 12 | 112 | 80 | 36 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 540 | 58 | 82 | 5 | 82 | 123 | 107 | 127 | 141 | 108 | 121 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 550 | 112 | 119 | 109 | 90 | 96 | 152 | 135 | 233 | 197 | 136 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 560 | 136 | 96 | 167 | 52 | 153 | 85 | 120 | 116 | 51 | 13 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 570 | 32 | 104 | 96 | 118 | 166 | 188 | 139 | 152 | 91 | 103 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 580 | 99 | 120 | 102 | 57 | 102 | 65 | 62 | 100 | 66 | 158 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 590 | 43 | 71 | 167 | 134 | 157 | 144 | 149 | 140 | 131 | 134 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 600 | 153 | 139 | 130 | 102 | 103 | 112 | 72 | 93 | 118 | 115 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 |
| 610 | 119 | 60 | 123 | 87 | 108 | 71 | 74 | 90 | 101 | 88 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 620 | 90 | 108 | 141 | 87 | 64 | 48 | 32 | 149 | 94 | 141 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 630 | 30 | 106 | 98 | 63 | 72 | 132 | 159 | 87 | 109 | 105 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 640 | 76 | 163 | 134 | 106 | 116 | 0 | 19 | 74 | 89 | 118 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 650 | 119 | 60 | 71 | 117 | 50 | 110 | 138 | 97 | 126 | 150 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 660 | 16 | 164 | 138 | 63 | 47 | 156 | 101 | 161 | 137 | 101 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 670 | 127 | 92 | 176 | 97 | 107 | 82 | 95 | 51 | 79 | 133 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 680 | 60 | 100 | 55 | 81 | 110 | 101 | 48 | 122 | 110 | 116 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 690 | 66 | 127 | 113 | 127 | 115 | 156 | 126 | 113 | 149 | 124 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 700 | 106 | 97 | 105 | 105 | 0 | 94 | 82 | 77 | 130 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 710 | 97 | 106 | 83 | 101 | 92 | 123 | 94 | 95 | 78 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 720 | 108 | 91 | 82 | 65 | 71 | 105 | 62 | 100 | 132 | 123 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 730 | 145 | 171 | 142 | 126 | 137 | 103 | 108 | 84 | 53 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 740 | 116 | 98 | 99 | 98 | 94 | 82 | 80 | 94 | 100 | 70 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 750 | 97 | 71 | 102 | 57 | 52 | 138 | 95 | 56 | 82 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 760 | 91 | 96 | 135 | 83 | 111 | 130 | 116 | 80 | 121 | 100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 770 | 113 | 111 | 151 | 97 | 85 | 112 | 99 | 60 | 101 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 780 | 133 | 103 | 31 | 132 | 116 | 81 | 107 | 143 | 134 | 149 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 790 | 91 | 74 | 108 | 168 | 90 | 76 | 118 | 23 | 116 | 70 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 800 | 121 | 118 | 79 | 155 | 163 | 104 | 77 | 77 | 41 | 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 810 | 103 | 62 | 91 | 84 | 46 | 97 | 64 | 102 | 98 | 69 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 820 | 117 | 155 | 109 | 52 | 61 | 27 | 84 | 53 | 94 | 36 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 830 | 31 | 127 | 77 | 132 | 123 | 73 | 106 | 79 | 130 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 840 | 42 | 56 | 61 | 118 | 61 | 71 | 89 | 69 | 88 | 98 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 850 | 95 | 26 | 113 | 83 | 101 | 105 | 134 | 85 | 142 | 90 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 860 | 60 | 94 | 77 | 68 | 83 | 91 | 89 | 70 | 63 | 96 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 870 | 57 | 74 | 92 | 108 | 113 | 30 | 106 | 101 | 60 | 94 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 880 | 101 | 90 | 54 | 12 | 44 | 99 | 115 | 128 | 154 | 126 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 890 | 142 | 116 | 53 | 133 | 88 | 118 | 136 | 156 | 147 | 219 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 900 | 67 | 97 | 161 | 91 | 72 | 115 | 78 | 89 | 134 | 95 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 910 | 64 | 120 | 83 | 98 | 110 | 108 | 95 | 151 | 127 | 126 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 920 | 52 | 98 | 86 | 58 | 62 | 93 | 138 | 127 | 157 | 92 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 930 | 60 | 153 | 73 | 94 | 87 | 94 | 100 | 127 | 108 | 88 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 940 | 96 | 110 | 105 | 52 | 77 | 119 | 142 | 107 | 126 | 149 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 |
| 950 | 110 | 95 | 118 | 122 | 10 | 60 | 116 | 102 | 91 | 161 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| 960 | 212 | 93 | 106 | 104 | 116 | 135 | 123 | 97 | 69 | 16 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 970 | 171 | 74 | 35 | 104 | 115 | 74 | 78 | 124 | 63 | 114 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 980 | 4 | 7 | 37 | 82 | 73 | 156 | 157 | 165 | 206 | 210 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 990 | 113 | 39 | 110 | 15 | 79 | 97 | 104 | 29 | 94 | 74 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1000 | 117 | 15 | 52 | 70 | 112 | 33 | 91 | 122 | 114 | 43 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1010 | 84 | 104 | 96 | 54 | 22 | 101 | 123 | 118 | 49 | 9 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1020 | 144 | 133 | 95 | 135 | 181 | 86 | 53 | 96 | 105 | 93 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 1030 | 101 | 90 | 101 | 51 | 113 | 44 | 17 | 118 | 133 | 92 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1040 | 117 | 56 | 123 | 108 | 73 | 144 | 84 | 206 | 62 | 166 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1050 | 136 | 148 | 144 | 100 | 149 | 75 | 131 | 120 | 103 | 85 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1060 | 148 | 136 | 131 | 144 | 214 | 213 | 131 | 9 | 82 | 81 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1070 | 130 | 60 | 98 | 62 | 87 | 89 | 97 | 61 | 67 | 117 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| 1080 | 121 | 32 | 134 | 106 | 122 | 8 | 16 | 179 | 138 | 116 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1090 | 48 | 61 | 120 | 67 | 95 | 80 | 95 | 80 | 53 | 33 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1100 | 113 | 79 | 150 | 132 | 136 | 150 | 115 | 23 | 106 | 158 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1110 | 160 | 155 | 159 | 72 | 125 | 116 | 160 | 146 | 156 | 128 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 1120 | 126 | 38 | 167 | 80 | 127 | 65 | 29 | 114 | 162 | 180 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1130 | 148 | 65 | 106 | 156 | 135 | 68 | 122 | 78 | 71 | 65 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| 1140 | 47 | 95 | 100 | 132 | 48 | 142 | 59 | 67 | 41 | 92 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1150 | 2 | 29 | 144 | 65 | 113 | 175 | 140 | 125 | 46 | 172 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 |
| 1160 | 155 | 132 | 161 | 124 | 116 | 87 | 41 | 159 | 90 | 52 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1170 | 85 | 69 | 95 | 98 | 68 | 26 | 104 | 65 | 107 | 103 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 1180 | 74 | 105 | 43 | 25 | 117 | 82 | 8 | 40 | 97 | 88 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1190 | 132 | 97 | 143 | 109 | 133 | 162 | 129 | 175 | 73 | 118 | 6 | 6 | 6 | 4 | 4 | 6 | 6 | 6 | 7 | 7 |
| 1200 | 117 | 127 | 87 | 136 | 158 | 98 | 120 | 72 | 43 | 156 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1210 | 96 | 136 | 159 | 137 | 104 | 68 | 43 | 93 | 65 | 120 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1220 | 99 | 51 | 124 | 124 | 97 | 57 | 97 | 15 | 128 | 100 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1230 | 111 | 93 | 114 | 28 | 105 | 111 | 80 | 118 | 155 | 103 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 1240 | 88 | 140 | 134 | 136 | 50 | 64 | 56 | 54 | 134 | 128 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 1250 | 112 | 21 | 91 | 141 | 27 | 123 | 133 | 151 | 32 | 243 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1260 | 151 | 148 | 119 | 26 | 68 | 97 | 147 | 117 | 154 | 165 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 1270 | 73 | 170 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1280 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1470 | 63 | 42 | 48 | 73 | 71 | 71 | 94 | 113 | 91 | 53 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |

2 NAVAJO MOUNTAIN ID 345000
CENTRAL LAT 37 DEG 05 MIN, LONG 110 DEG 45 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN* JUN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1480 | 99 | 91 | 124 | 88 | 134 | 93 | 109 | 60 | 85 | 87 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 1490 | 125 | 125 | 113 | 103 | 98 | 43 | 105 | 121 | 128 | 80 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1500 | 44 | 130 | 128 | 158 | 158 | 98 | 97 | 111 | 96 | 174 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1510 | 87 | 113 | 114 | 123 | 113 | 102 | 97 | 116 | 133 | 111 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1520 | 91 | 78 | 33 | 80 | 98 | 83 | 137 | 96 | 82 | 90 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1530 | 104 | 81 | 27 | 73 | 140 | 112 | 147 | 140 | 43 | 116 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1540 | 103 | 100 | 5 | 110 | 61 | 73 | 132 | 122 | 96 | 174 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1550 | 143 | 105 | 106 | 108 | 92 | 104 | 118 | 138 | 119 | 105 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1560 | 109 | 81 | 105 | 81 | 126 | 148 | 140 | 101 | 114 | 101 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1570 | 91 | 65 | 39 | 57 | 52 | 91 | 82 | 129 | 96 | 71 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1580 | 56 | 95 | 62 | 37 | 9 | 20 | 121 | 145 | 156 | 122 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| 1590 | 60 | 78 | 78 | 81 | 123 | 96 | 118 | 65 | 68 | 122 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1600 | 13 | 90 | 156 | 131 | 133 | 129 | 120 | 82 | 73 | 137 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 |
| 1610 | 132 | 118 | 84 | 64 | 135 | 168 | 136 | 133 | 119 | 137 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1620 | 142 | 178 | 139 | 47 | 93 | 103 | 47 | 147 | 73 | 87 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1630 | 61 | 106 | 14 | 141 | 90 | 128 | 49 | 38 | 59 | 110 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1640 | 132 | 144 | 101 | 102 | 125 | 87 | 101 | 129 | 41 | 133 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1650 | 119 | 166 | 93 | 164 | 14 | 145 | 121 | 103 | 44 | 78 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1660 | 137 | 151 | 90 | 68 | 90 | 65 | 74 | 59 | 61 | 66 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1670 | 12 | 101 | 78 | 79 | 100 | 70 | 18 | 110 | 66 | 56 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1680 | 114 | 120 | 93 | 141 | 62 | 1 | 31 | 129 | 85 | 92 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1690 | 96 | 77 | 142 | 128 | 51 | 104 | 42 | 68 | 67 | 87 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1700 | 75 | 123 | 68 | 18 | 92 | 114 | 85 | 71 | 44 | 128 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1710 | 130 | 108 | 118 | 107 | 116 | 103 | 89 | 111 | 145 | 123 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1720 | 163 | 110 | 26 | 135 | 62 | 132 | 155 | 119 | 6 | 50 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1730 | 69 | 106 | 129 | 73 | 89 | 2 | 67 | 74 | 102 | 49 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1740 | 64 | 137 | 71 | 113 | 50 | 113 | 144 | 151 | 57 | 149 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1750 | 85 | 42 | 24 | 71 | 77 | 38 | 88 | 39 | 84 | 68 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1760 | 127 | 99 | 108 | 79 | 149 | 30 | 154 | 106 | 144 | 99 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1770 | 72 | 144 | 96 | 9 | 116 | 101 | 80 | 103 | 38 | 120 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1780 | 101 | 107 | 53 | 87 | 186 | 117 | 97 | 165 | 101 | 100 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1790 | 34 | 127 | 124 | 142 | 97 | 150 | 102 | 120 | 102 | 120 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1800 | 114 | 55 | 103 | 82 | 117 | 71 | 50 | 172 | 121 | 165 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1810 | 70 | 169 | 92 | 15 | 108 | 141 | 158 | 108 | 65 | 87 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1820 | 86 | 150 | 29 | 121 | 158 | 151 | 192 | 140 | 200 | 119 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 20 |
| 1830 | 129 | 133 | 120 | 156 | 71 | 148 | 104 | 186 | 222 | 203 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1840 | 210 | 167 | 89 | 109 | 152 | 41 | 137 | 14 | 113 | 218 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1850 | 170 | 97 | 142 | 94 | 100 | 98 | 119 | 64 | 101 | 87 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1860 | 61 | 2 | 156 | 102 | 20 | 98 | 151 | 127 | 147 | 140 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1870 | 42 | 61 | 95 | 71 | 100 | 85 | 76 | 104 | 106 | 5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1880 | 51 | 78 | 7 | 62 | 127 | 151 | 132 | 42 | 114 | 149 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1890 | 153 | 126 | 144 | 88 | 71 | 115 | 4 | 119 | 108 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1900 | 53 | 48 | 7 | 157 | 16 | 135 | 138 | 160 | 161 | 143 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1910 | 94 | 133 | 155 | 147 | 157 | 139 | 151 | 129 | 83 | 154 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1920 | 194 | 114 | 161 | 174 | 105 | 99 | 155 | 136 | 118 | 99 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 77 | 69 | 146 | 94 | 57 | 124 | 72 | 91 | 128 | 110 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 84 | 132 | 117 | 63 | 84 | 88 | 27 | 63 | 99 | 123 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 68 | 26 | 151 | 64 | 93 | 36 | 33 | 118 | 93 | 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 105 | 95 | 59 | 10 | 69 | 103 | 111 | 81 | 62 | 111 | 20 | 20 | 20 | 20 | 20 | 20 | 19 | 18 | 18 | 18 |
| 1970 | 70 | 18 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .204 STANDARD DEVIATION = .382 MEAN SENSITIVITY = .434 N = 932
SERIAL CORRELATION = .219 STANDARD DEVIATION = .411 MEAN SENSITIVITY = .492 N = 503

3 TSEGI CANYON ID 400101
CENTRAL LAT 36 DEG 45 MIN, LONG 110 DEG 30, ELEV 6500 FT
SPECIES: ARCHAEOL - DF, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 381 | 999 | 64 | 22 | 66 | 106 | 76 | 106 | 130 | 182 | 169 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 390 | 144 | 70 | 69 | 93 | 193 | 127 | 155 | 135 | 103 | 84 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 400 | 55 | 68 | 48 | 28 | 103 | 79 | 79 | 209 | 148 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 410 | 77 | 100 | 49 | 72 | 69 | 75 | 102 | 99 | 36 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 420 | 71 | 102 | 122 | 43 | 140 | 105 | 55 | 57 | 98 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 430 | 100 | 96 | 117 | 155 | 133 | 134 | 203 | 165 | 177 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 440 | 84 | 141 | 137 | 190 | 163 | 239 | 102 | 100 | 150 | 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 450 | 91 | 87 | 131 | 130 | 117 | 30 | 45 | 57 | 101 | 167 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 460 | 107 | 86 | 79 | 47 | 133 | 217 | 122 | 127 | 80 | 137 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 470 | 122 | 34 | 18 | 32 | 43 | 51 | 32 | 63 | 57 | 74 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 480 | 58 | 56 | 48 | 22 | 57 | 43 | 89 | 52 | 70 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 490 | 106 | 68 | 92 | 39 | 90 | 121 | 161 | 220 | 194 | 189 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 500 | 112 | 166 | 66 | 118 | 145 | 160 | 105 | 89 | 69 | 131 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 510 | 99 | 98 | 54 | 57 | 65 | 39 | 17 | 43 | 88 | 73 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 520 | 87 | 105 | 108 | 182 | 130 | 67 | 6 | 36 | 69 | 49 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 530 | 84 | 70 | 114 | 98 | 113 | 86 | 36 | 157 | 167 | 64 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 540 | 83 | 120 | 39 | 28 | 136 | 73 | 191 | 189 | 217 | 218 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 550 | 151 | 202 | 227 | 61 | 38 | 184 | 146 | 151 | 93 | 78 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 560 | 108 | 47 | 155 | 27 | 89 | 18 | 96 | 109 | 45 | 18 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 570 | 36 | 96 | 80 | 123 | 140 | 207 | 162 | 137 | 30 | 86 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 580 | 105 | 176 | 151 | 98 | 33 | 104 | 58 | 152 | 29 | 140 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| 590 | 21 | 38 | 94 | 113 | 115 | 108 | 71 | 40 | 105 | 12 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 |
| 600 | 113 | 118 | 102 | 102 | 62 | 134 | 66 | 124 | 159 | 108 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 610 | 84 | 118 | 133 | 88 | 68 | 18 | 98 | 106 | 129 | 88 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 620 | 46 | 191 | 246 | 120 | 182 | 74 | 117 | 123 | 95 | 120 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 630 | 11 | 51 | 80 | 43 | 70 | 117 | 253 | 193 | 133 | 87 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 640 | 31 | 141 | 132 | 74 | 82 | 19 | 28 | 96 | 72 | 122 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 650 | 126 | 74 | 103 | 117 | 64 | 151 | 170 | 60 | 129 | 126 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 660 | 25 | 96 | 84 | 30 | 21 | 134 | 108 | 142 | 151 | 84 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 670 | 114 | 80 | 113 | 117 | 78 | 90 | 120 | 79 | 114 | 133 | 5 | 5 | 4 | 3 | 3 | 3 | 3 | 1 | 1 | 1 |
| 680 | 120 | 121 | 134 | 103 | 183 | 140 | 71 | 91 | 104 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 690 | 155 | 119 | 68 | 210 | 58 | 172 | 103 | 126 | 182 | 116 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 700 | 81 | 126 | 133 | 144 | 36 | 81 | 44 | 90 | 109 | 42 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 710 | 147 | 34 | 37 | 53 | 67 | 77 | 61 | 29 | 52 | 108 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 720 | 102 | 44 | 32 | 68 | 19 | 76 | 66 | 61 | 120 | 100 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 730 | 200 | 203 | 127 | 161 | 124 | 108 | 132 | 154 | 24 | 62 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 740 | 138 | 80 | 35 | 166 | 116 | 98 | 131 | 119 | 25 | 108 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 750 | 68 | 47 | 52 | 120 | 53 | 105 | 88 | 29 | 99 | 133 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| 760 | 96 | 73 | 65 | 46 | 92 | 101 | 109 | 130 | 147 | 113 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 770 | 89 | 97 | 161 | 111 | 41 | 166 | 77 | 93 | 83 | 45 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 780 | 127 | 102 | 26 | 137 | 145 | 166 | 81 | 158 | 131 | 140 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 790 | 82 | 62 | 109 | 118 | 111 | 72 | 107 | 33 | 174 | 146 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 800 | 199 | 114 | 113 | 180 | 82 | 165 | 97 | 109 | 24 | 17 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 810 | 130 | 100 | 98 | 111 | 129 | 91 | 72 | 36 | 59 | 41 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 820 | 132 | 229 | 217 | 57 | 93 | 52 | 126 | 54 | 90 | 65 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 830 | 30 | 137 | 140 | 126 | 94 | 39 | 159 | 78 | 139 | 107 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 840 | 32 | 82 | 72 | 109 | 75 | 103 | 91 | 57 | 100 | 87 | 5 | 5 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 4 |
| 850 | 110 | 65 | 149 | 92 | 134 | 107 | 184 | 87 | 165 | 93 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| 860 | 114 | 145 | 166 | 94 | 102 | 98 | 113 | 62 | 89 | 126 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 870 | 72 | 88 | 83 | 65 | 49 | 37 | 104 | 70 | 48 | 66 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 880 | 58 | 110 | 96 | 63 | 63 | 87 | 91 | 84 | 97 | 90 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 890 | 106 | 62 | 57 | 127 | 110 | 119 | 144 | 155 | 137 | 147 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 900 | 77 | 60 | 102 | 62 | 37 | 111 | 60 | 33 | 139 | 109 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 910 | 85 | 134 | 100 | 133 | 112 | 125 | 110 | 163 | 146 | 128 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| 920 | 41 | 116 | 92 | 71 | 38 | 118 | 162 | 128 | 157 | 141 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| 930 | 49 | 125 | 111 | 120 | 108 | 55 | 114 | 79 | 144 | 90 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 940 | 111 | 196 | 131 | 73 | 95 | 126 | 135 | 134 | 122 | 151 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 950 | 148 | 47 | 138 | 132 | 36 | 85 | 115 | 60 | 94 | 105 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 960 | 152 | 105 | 120 | 63 | 63 | 90 | 155 | 92 | 28 | 49 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 970 | 108 | 121 | 43 | 200 | 110 | 72 | 74 | 126 | 63 | 89 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 980 | 0 | 18 | 112 | 56 | 57 | 111 | 128 | 193 | 232 | 288 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 990 | 137 | 42 | 58 | 42 | 108 | 71 | 100 | 51 | 91 | 59 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 1000 | 85 | 36 | 63 | 56 | 83 | 33 | 75 | 117 | 111 | 69 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1010 | 65 | 112 | 72 | 49 | 39 | 116 | 93 | 81 | 81 | 22 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| 1020 | 108 | 110 | 69 | 95 | 121 | 132 | 118 | 100 | 105 | 137 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1030 | 108 | 97 | 93 | 84 | 173 | 34 | 50 | 105 | 112 | 22 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1040 | 81 | 62 | 101 | 59 | 47 | 107 | 70 | 123 | 82 | 163 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1050 | 185 | 177 | 218 | 112 | 185 | 75 | 106 | 196 | 191 | 94 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 3 |
| 1060 | 138 | 163 | 140 | 236 | 244 | 256 | 241 | 12 | 54 | 98 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1070 | 138 | 12 | 110 | 37 | 89 | 92 | 88 | 125 | 97 | 130 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1080 | 193 | 31 | 233 | 124 | 213 | 34 | 75 | 185 | 109 | 100 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 1090 | 31 | 74 | 144 | 43 | 98 | 81 | 110 | 79 | 74 | 29 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1100 | 80 | 79 | 109 | 116 | 114 | 139 | 111 | 60 | 57 | 110 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1110 | 119 | 96 | 113 | 81 | 74 | 122 | 154 | 193 | 156 | 163 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1120 | 134 | 38 | 217 | 65 | 178 | 90 | 40 | 134 | 184 | 243 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1130 | 165 | 31 | 62 | 63 | 84 | 88 | 113 | 54 | 54 | 124 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1140 | 43 | 66 | 109 | 63 | 55 | 91 | 36 | 101 | 69 | 69 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1150 | 14 | 56 | 90 | 90 | 68 | 98 | 59 | 101 | 31 | 86 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 1160 | 115 | 63 | 98 | 129 | 46 | 129 | 80 | 141 | 96 | 29 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| 1170 | 103 | 95 | 74 | 70 | 87 | 57 | 92 | 54 | 138 | 116 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 9 |
| 1180 | 109 | 76 | 36 | 82 | 147 | 77 | 24 | 51 | 86 | 93 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1190 | 81 | 28 | 79 | 78 | 117 | 138 | 104 | 176 | 68 | 74 | 10 | 10 | 10 | 11 | 12 | 14 | 15 | 16 | 16 | 17 |
| 1200 | 166 | 128 | 103 | 143 | 159 | 94 | 129 | 106 | 86 | 175 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1210 | 152 | 198 | 175 | 120 | 88 | 58 | 31 | 44 | 41 | 120 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1220 | 108 | 59 | 116 | 123 | 108 | 83 | 133 | 18 | 123 | 80 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1230 | 95 | 72 | 125 | 26 | 120 | 94 | 72 | 86 | 140 | 111 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1240 | 46 | 124 | 176 | 131 | 94 | 88 | 66 | 44 | 192 | 187 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1250 | 89 | 35 | 63 | 117 | 12 | 126 | 122 | 163 | 24 | 223 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1260 | 141 | 95 | 112 | 17 | 66 | 109 | 64 | 113 | 120 | 130 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 15 |
| 1270 | 87 | 149 | 158 | 127 | 100 | 169 | 40 | 63 | 23 | 105 | 15 | 14 | 13 | 10 | 8 | 8 | 7 | 4 | 4 | 4 |
| 1280 | 36 | 45 | 53 | 44 | 126 | 85 | 104 | 61 | 25 | 44 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 1290 | 101 | 77 | 72 | 67 | 89 | 80 | 98 | 48 | 145 | 26 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1300 | 85 | 95 | 93 | 128 | 149 | 142 | 103 | 22 | 52 | 152 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1310 | 150 | 96 | 172 | 195 | 142 | 63 | 19 | 72 | 92 | 117 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1320 | 127 | 150 | 73 | 50 | 66 | 138 | 145 | 93 | 75 | 57 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1330 | 167 | 173 | 158 | 126 | 129 | 32 | 167 | 177 | 98 | 83 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1340 | 86 | 107 | 64 | 86 | 100 | 124 | 119 | 84 | 77 | 104 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| 1350 | 44 | 54 | 72 | 146 | 108 | 70 | 105 | 139 | 162 | 180 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1360 | 52 | 48 | 67 | 70 | 79 | 61 | 114 | 91 | 121 | 96 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1370 | 130 | 87 | 77 | 110 | 126 | 86 | 62 | 83 | 122 | 95 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 6 |
| 1380 | 168 | 164 | 198 | 117 | 148 | 129 | 137 | 136 | 122 | 88 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1390 | 50 | 46 | 87 | 69 | 88 | 76 | 54 | 94 | 58 | 46 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1400 | 71 | 67 | 60 | 49 | 98 | 105 | 104 | 69 | 88 | 102 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 1410 | 93 | 92 | 120 | 47 | 138 | 69 | 107 | 123 | 82 | 105 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1420 | 140 | 75 | 107 | 64 | 96 | 59 | 95 | 114 | 169 | 104 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1430 | 114 | 128 | 132 | 110 | 99 | 57 | 81 | 58 | 45 | 56 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1440 | 69 | 94 | 59 | 82 | 72 | 84 | 48 | 82 | 78 | 60 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1450 | 33 | 74 | 82 | 125 | 105 | 22 | 108 | 53 | 115 | 91 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1460 | 33 | 79 | 85 | 73 | 19 | 68 | 82 | 114 | 100 | 103 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| 1470 | 89 | 45 | 65 | 66 | 87 | 93 | 133 | 161 | 139 | 127 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1480 | 75 | 94 | 102 | 124 | 158 | 135 | 136 | 82 | 111 | 145 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1490 | 160 | 158 | 159 | 125 | 117 | 75 | 92 | 90 | 101 | 134 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1500 | 32 | 100 | 117 | 92 | 111 | 85 | 62 | 92 | 101 | 133 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1510 | 78 | 130 | 142 | 139 | 173 | 134 | 128 | 59 | 86 | 120 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

3 TSEGI CANYON ID 400101
CENTRAL LAT 36 DEG 45 MIN, LONG 110 DEG 30, ELEV 6500 FT
SPECIES: ARCHAEOL - DF, LIVING - DF

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1520 | 129 | 110 | 32 | 111 | 92 | 79 | 147 | 91 | 85 | 73 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1530 | 98 | 94 | 18 | 90 | 91 | 111 | 109 | 116 | 24 | 98 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1540 | 116 | 89 | 22 | 89 | 43 | 71 | 90 | 73 | 73 | 97 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 13 |
| 1550 | 112 | 86 | 95 | 112 | 97 | 82 | 141 | 159 | 132 | 112 | 15 | 15 | 15 | 15 | 15 | 16 | 15 | 15 | 15 | 15 |
| 1560 | 130 | 92 | 77 | 92 | 164 | 132 | 90 | 149 | 118 | 144 | 15 | 15 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 18 |
| 1570 | 117 | 82 | 97 | 68 | 53 | 108 | 99 | 111 | 105 | 71 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1580 | 83 | 107 | 79 | 35 | 40 | 14 | 80 | 69 | 119 | 101 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1590 | 50 | 37 | 33 | 45 | 121 | 95 | 83 | 71 | 75 | 102 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1600 | 59 | 83 | 104 | 96 | 117 | 145 | 127 | 68 | 123 | 149 | 22 | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 23 |
| 1610 | 167 | 145 | 72 | 45 | 65 | 153 | 161 | 167 | 163 | 164 | 25 | 25 | 26 | 26 | 26 | 25 | 25 | 25 | 26 | 27 |
| 1620 | 126 | 204 | 149 | 37 | 70 | 117 | 44 | 114 | 89 | 108 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 1630 | 68 | 104 | 22 | 144 | 131 | 129 | 84 | 42 | 55 | 144 | 27 | 27 | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1640 | 141 | 171 | 162 | 130 | 162 | 86 | 178 | 153 | 58 | 192 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1650 | 153 | 172 | 93 | 152 | 17 | 113 | 94 | 103 | 90 | 94 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1660 | 118 | 126 | 82 | 85 | 76 | 74 | 93 | 87 | 59 | 56 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 |
| 1670 | 21 | 62 | 69 | 95 | 116 | 94 | 57 | 115 | 108 | 51 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1680 | 123 | 151 | 146 | 147 | 42 | 6 | 30 | 109 | 96 | 88 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1690 | 80 | 106 | 122 | 141 | 64 | 132 | 79 | 65 | 97 | 91 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1700 | 76 | 134 | 85 | 46 | 82 | 135 | 116 | 83 | 95 | 80 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1710 | 114 | 67 | 97 | 116 | 133 | 104 | 77 | 98 | 107 | 134 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1720 | 222 | 175 | 76 | 159 | 49 | 203 | 248 | 115 | 26 | 11 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1730 | 55 | 81 | 81 | 34 | 78 | 19 | 99 | 39 | 102 | 42 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1740 | 58 | 78 | 55 | 119 | 119 | 128 | 169 | 221 | 54 | 185 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1750 | 114 | 112 | 125 | 46 | 75 | 48 | 77 | 19 | 113 | 127 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1760 | 131 | 94 | 146 | 60 | 137 | 104 | 155 | 73 | 143 | 151 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1770 | 53 | 130 | 71 | 14 | 63 | 95 | 95 | 70 | 19 | 84 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1780 | 46 | 70 | 26 | 91 | 77 | 83 | 67 | 99 | 88 | 42 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1790 | 11 | 107 | 103 | 130 | 62 | 117 | 105 | 94 | 110 | 107 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1800 | 81 | 97 | 99 | 81 | 98 | 102 | 83 | 107 | 40 | 84 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1810 | 28 | 65 | 100 | 12 | 83 | 101 | 148 | 156 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1820 | 17 | 124 | 27 | 65 | 72 | 97 | 112 | 65 | 108 | 53 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1830 | 121 | 130 | 78 | 146 | 95 | 142 | 98 | 127 | 157 | 192 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1840 | 196 | 110 | 69 | 83 | 150 | 10 | 144 | 21 | 137 | 148 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1850 | 165 | 80 | 152 | 83 | 74 | 128 | 116 | 52 | 87 | 78 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1860 | 88 | 10 | 131 | 101 | 41 | 87 | 105 | 111 | 139 | 177 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1870 | 92 | 56 | 36 | 64 | 107 | 113 | 94 | 118 | 130 | 124 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1880 | 96 | 46 | 88 | 39 | 114 | 108 | 100 | 47 | 149 | 143 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1890 | 185 | 122 | 174 | 99 | 64 | 109 | 29 | 121 | 112 | 4 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1900 | 105 | 58 | 6 | 81 | 7 | 81 | 70 | 109 | 113 | 123 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1910 | 131 | 149 | 188 | 125 | 168 | 195 | 176 | 222 | 86 | 176 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1920 | 215 | 168 | 211 | 141 | 156 | 118 | 165 | 99 | 136 | 107 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1930 | 66 | 160 | 154 | 60 | 68 | 91 | 40 | 102 | 115 | 94 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1940 | 110 | 144 | 161 | 107 | 151 | 88 | 110 | 80 | 184 | 180 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 29 |
| 1950 | 96 | 28 | 150 | 95 | 108 | 59 | 53 | 136 | 119 | 14 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1960 | 103 | 87 | 76 | 62 | 70 | 166 | 177 | 98 | 158 | 155 | 29 | 29 | 29 | 25 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1970 | 136 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .316 STANDARD DEVIATION = .452 MEAN SENSITIVITY = .469 N = 1590

4 COCONINO PLATEAU ID 888999
CENTRAL LAT 35 DEG 25 MIN, LONG 112 DEG 15 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PNN PP, LIVING PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 610 | 92 | 63 | 54 | 75 | 84 | 39 | 70 | 76 | 64 | 64 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 620 | 25 | 86 | 142 | 162 | 156 | 134 | 132 | 113 | 108 | 162 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 630 | 67 | 192 | 131 | 138 | 119 | 68 | 133 | 98 | 128 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 640 | 69 | 96 | 163 | 103 | 124 | 47 | 27 | 78 | 95 | 160 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 650 | 72 | 61 | 83 | 126 | 100 | 111 | 131 | 164 | 92 | 103 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 660 | 30 | 95 | 130 | 75 | 60 | 132 | 120 | 156 | 113 | 92 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 670 | 99 | 88 | 101 | 130 | 93 | 92 | 76 | 27 | 105 | 79 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 680 | 120 | 94 | 127 | 134 | 148 | 105 | 91 | 112 | 110 | 145 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 690 | 93 | 123 | 58 | 86 | 35 | 155 | 100 | 106 | 87 | 68 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 700 | 93 | 91 | 94 | 84 | 43 | 88 | 50 | 76 | 136 | 40 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 710 | 131 | 63 | 76 | 79 | 126 | 104 | 106 | 79 | 68 | 113 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 720 | 131 | 135 | 152 | 75 | 53 | 137 | 110 | 93 | 129 | 104 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| 730 | 165 | 148 | 97 | 109 | 115 | 126 | 146 | 112 | 44 | 72 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| 740 | 111 | 58 | 65 | 121 | 54 | 97 | 101 | 127 | 58 | 112 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 |
| 750 | 95 | 53 | 87 | 82 | 65 | 98 | 110 | 57 | 54 | 111 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 |
| 760 | 99 | 77 | 44 | 97 | 89 | 215 | 185 | 140 | 239 | 105 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 770 | 86 | 97 | 177 | 140 | 82 | 107 | 83 | 129 | 63 | 50 | 5 | 5 | 5 | 4 | 4 | 4 | 2 | 2 | 2 | 2 |
| 780 | 78 | 93 | 71 | 100 | 149 | 191 | 112 | 147 | 120 | 130 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 790 | 100 | 110 | 105 | 134 | 105 | 71 | 71 | 76 | 146 | 101 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 800 | 115 | 119 | 95 | 177 | 118 | 121 | 104 | 104 | 112 | 36 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 810 | 103 | 113 | 136 | 97 | 108 | 106 | 100 | 63 | 88 | 61 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 820 | 110 | 91 | 116 | 100 | 93 | 98 | 139 | 105 | 118 | 74 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 830 | 82 | 116 | 90 | 119 | 127 | 122 | 136 | 91 | 129 | 100 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 840 | 29 | 63 | 117 | 136 | 126 | 112 | 100 | 40 | 111 | 80 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 850 | 95 | 99 | 83 | 81 | 143 | 87 | 101 | 93 | 107 | 75 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| 860 | 84 | 123 | 163 | 145 | 110 | 62 | 115 | 54 | 73 | 122 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 7 | 7 | 7 |
| 870 | 29 | 60 | 80 | 157 | 168 | 105 | 134 | 78 | 40 | 62 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 880 | 126 | 131 | 83 | 95 | 86 | 75 | 105 | 150 | 164 | 75 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 890 | 77 | 134 | 68 | 128 | 125 | 101 | 80 | 109 | 105 | 144 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 900 | 79 | 79 | 105 | 68 | 41 | 73 | 92 | 63 | 121 | 96 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 910 | 84 | 88 | 128 | 110 | 149 | 105 | 98 | 147 | 119 | 140 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| 920 | 14 | 111 | 75 | 76 | 30 | 122 | 118 | 93 | 115 | 69 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 930 | 76 | 103 | 85 | 84 | 70 | 94 | 82 | 88 | 95 | 55 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| 940 | 88 | 130 | 106 | 18 | 82 | 128 | 149 | 109 | 137 | 132 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 950 | 142 | 99 | 113 | 93 | 23 | 85 | 91 | 25 | 129 | 145 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 9 |
| 960 | 150 | 105 | 121 | 72 | 86 | 149 | 145 | 76 | 104 | 105 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 |
| 970 | 114 | 128 | 70 | 163 | 85 | 53 | 113 | 159 | 148 | 74 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 980 | 51 | 23 | 83 | 87 | 37 | 135 | 154 | 180 | 247 | 224 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 990 | 121 | 65 | 77 | 65 | 88 | 62 | 110 | 38 | 74 | 80 | 10 | 11 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| 1000 | 101 | 34 | 97 | 95 | 114 | 117 | 104 | 152 | 113 | 78 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1010 | 122 | 90 | 106 | 125 | 60 | 132 | 136 | 127 | 69 | 73 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1020 | 151 | 93 | 77 | 73 | 154 | 100 | 103 | 139 | 86 | 101 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1030 | 76 | 90 | 108 | 71 | 73 | 9 | 41 | 107 | 96 | 47 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1040 | 115 | 82 | 123 | 83 | 65 | 127 | 68 | 156 | 135 | 174 | 7 | 6 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 |
| 1050 | 114 | 129 | 151 | 78 | 110 | 90 | 106 | 109 | 114 | 98 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 |
| 1060 | 131 | 159 | 132 | 132 | 92 | 86 | 58 | 71 | 82 | 52 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 |
| 1070 | 72 | 70 | 62 | 27 | 51 | 75 | 115 | 112 | 78 | 121 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1080 | 109 | 91 | 165 | 101 | 137 | 79 | 83 | 134 | 82 | 106 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 |
| 1090 | 74 | 110 | 111 | 45 | 65 | 88 | 127 | 137 | 165 | 127 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1100 | 180 | 92 | 90 | 98 | 91 | 119 | 115 | 54 | 37 | 121 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1110 | 107 | 78 | 64 | 68 | 86 | 78 | 119 | 115 | 152 | 183 | 3 | 3 | 3 | 2 | 1 | 1 | 0 | 1 | 0 | 0 |
| 1120 | 101 | 52 | 147 | 115 | 45 | 999 | 999 | 999 | 999 | 999 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 1130 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1140 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1150 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1160 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1170 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1180 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1190 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1210 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1220 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1230 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1240 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1250 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1260 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1270 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1280 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 60 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1450 | 59 | 96 | 44 | 79 | 49 | 26 | 38 | 46 | 98 | 42 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1460 | 109 | 150 | 124 | 74 | 0 | 49 | 119 | 131 | 63 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1470 | 82 | 28 | 29 | 72 | 67 | 57 | 115 | 243 | 197 | 111 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1480 | 93 | 100 | 82 | 92 | 113 | 90 | 128 | 53 | 34 | 52 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1490 | 87 | 132 | 179 | 243 | 220 | 59 | 98 | 64 | 115 | 86 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1500 | 10 | 96 | 37 | 91 | 106 | 67 | 43 | 107 | 122 | 190 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1510 | 73 | 114 | 173 | 162 | 139 | 137 | 158 | 61 | 81 | 131 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1520 | 49 | 26 | 8 | 56 | 69 | 97 | 136 | 61 | 100 | 90 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1530 | 137 | 164 | 22 | 76 | 100 | 74 | 78 | 96 | 46 | 76 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1540 | 84 | 34 | 122 | 83 | 70 | 118 | 37 | 50 | 140 | 141 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1550 | 136 | 131 | 75 | 62 | 80 | 65 | 51 | 92 | 63 | 83 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1560 | 81 | 161 | 173 | 156 | 226 | 125 | 154 | 163 | 197 | 86 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1570 | 91 | 116 | 133 | 168 | 0 | 169 | 131 | 174 | 152 | 123 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1580 | 90 | 133 | 24 | 56 | 35 | 46 | 78 | 82 | 92 | 137 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1590 | 63 | 96 | 65 | 98 | 139 | 180 | 165 | 102 | 91 | 133 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1600 | 59 | 89 | 109 | 134 | 103 | 200 | 137 | 99 | 98 | 145 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1610 | 159 | 132 | 108 | 61 | 97 | 137 | 157 | 160 | 146 | 134 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1620 | 135 | 117 | 93 | 41 | 60 | 102 | 113 | 131 | 95 | 121 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1630 | 121 | 91 | 41 | 111 | 90 | 126 | 144 | 98 | 109 | 112 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1640 | 132 | 150 | 144 | 96 | 120 | 128 | 106 | 123 | 79 | 125 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| 1650 | 119 | 120 | 81 | 86 | 35 | 106 | 114 | 109 | 70 | 96 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |
| 1660 | 105 | 133 | 136 | 122 | 101 | 62 | 94 | 83 | 50 | 67 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1670 | 21 | 45 | 99 | 128 | 132 | 86 | 74 | 128 | 87 | 67 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1680 | 96 | 102 | 91 | 125 | 92 | 62 | 78 | 110 | 112 | 122 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1690 | 137 | 118 | 139 | 128 | 75 | 126 | 125 | 104 | 106 | 128 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 16 | 16 |
| 1700 | 82 | 127 | 77 | 51 | 74 | 117 | 101 | 67 | 70 | 116 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 17 |
| 1710 | 132 | 93 | 136 | 94 | 93 | 75 | 62 | 97 | 93 | 135 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1720 | 131 | 100 | 62 | 110 | 71 | 108 | 116 | 72 | 59 | 45 | 19 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1730 | 84 | 117 | 127 | 116 | 111 | 85 | 94 | 77 | 100 | 35 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1740 | 64 | 126 | 91 | 147 | 126 | 166 | 170 | 142 | 69 | 145 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |

4 COCONINO PLATEAU ID 888999
CENTRAL LAT 35 DEG 25 MIN, LONG 112 DEG 15 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PNN PP, LIVING PNN

| | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1750 | 101 | 52 | 49 | 75 | 60 | 70 | 114 | 102 | 126 | 102 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1760 | 114 | 75 | 105 | 66 | 123 | 83 | 107 | 82 | 62 | 68 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1770 | 54 | 96 | 95 | 39 | 67 | 129 | 110 | 102 | 61 | 88 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1780 | 81 | 95 | 64 | 129 | 175 | 90 | 125 | 165 | 92 | 125 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1790 | 92 | 123 | 120 | 130 | 112 | 110 | 98 | 75 | 65 | 75 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1800 | 62 | 43 | 71 | 86 | 106 | 69 | 71 | 67 | 37 | 52 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1810 | 4 | 66 | 56 | 17 | 23 | 58 | 121 | 118 | 82 | 80 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1820 | 29 | 122 | 38 | 97 | 101 | 28 | 77 | 103 | 153 | 121 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1830 | 83 | 170 | 95 | 187 | 129 | 154 | 110 | 113 | 194 | 170 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1840 | 180 | 123 | 132 | 123 | 173 | 97 | 118 | 32 | 173 | 171 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1850 | 172 | 120 | 117 | 131 | 114 | 121 | 103 | 66 | 108 | 59 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1860 | 56 | 54 | 112 | 41 | 69 | 111 | 158 | 163 | 177 | 113 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1870 | 69 | 79 | 57 | 25 | 112 | 54 | 39 | 44 | 57 | 11 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1880 | 57 | 43 | 30 | 28 | 68 | 114 | 133 | 100 | 149 | 189 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1890 | 224 | 197 | 198 | 190 | 151 | 206 | 118 | 171 | 156 | 25 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1900 | 84 | 101 | 56 | 132 | 36 | 191 | 232 | 239 | 198 | 219 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1910 | 200 | 159 | 153 | 107 | 134 | 98 | 159 | 158 | 127 | 138 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1920 | 175 | 88 | 111 | 110 | 89 | 104 | 120 | 121 | 102 | 78 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1930 | 105 | 78 | 114 | 86 | 105 | 114 | 77 | 137 | 121 | 96 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1940 | 110 | 77 | 95 | 98 | 84 | 68 | 53 | 36 | 51 | 116 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1950 | 66 | 20 | 118 | 89 | 79 | 108 | 73 | 88 | 96 | 53 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1960 | 83 | 51 | 85 | 32 | 43 | 86 | 67 | 44 | 48 | 79 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1970 | 69 | 28 | 41 | 94 | 75 | 106 | 999 | 999 | 999 | 999 | 21 | 21 | 21 | 21 | 21 | 21 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .283 STANDARD DEVIATION = .359 MEAN SENSITIVITY = .373 N = 515
SERIAL CORRELATION = .511 STANDARD DEVIATION = .432 MEAN SENSITIVITY = .381 N = 528

5 FLAGSTAFF ID 330299
CENTRAL LAT 35 DEG 15 MIN, LONG 111 DEG 30 MIN, ELEV 7000 FT
SPECIES: ARCHAEOL - PP, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 570 | 33 | 87 | 130 | 113 | 159 | 166 | 137 | 114 | 14 | 45 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 580 | 74 | 135 | 115 | 120 | 84 | 123 | 100 | 117 | 81 | 115 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 590 | 35 | 77 | 98 | 108 | 127 | 127 | 70 | 76 | 79 | 43 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 600 | 123 | 120 | 124 | 104 | 70 | 110 | 57 | 84 | 143 | 112 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 610 | 154 | 63 | 98 | 87 | 91 | 73 | 113 | 80 | 129 | 120 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 620 | 61 | 124 | 192 | 134 | 106 | 93 | 47 | 82 | 139 | 163 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 630 | 24 | 66 | 124 | 77 | 84 | 103 | 142 | 130 | 154 | 123 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 640 | 83 | 147 | 110 | 131 | 86 | 1 | 18 | 89 | 109 | 95 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 650 | 144 | 68 | 84 | 109 | 50 | 109 | 110 | 146 | 139 | 147 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 660 | 30 | 41 | 88 | 41 | 22 | 109 | 69 | 135 | 120 | 78 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 670 | 109 | 105 | 130 | 151 | 127 | 129 | 156 | 31 | 99 | 122 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 680 | 86 | 135 | 141 | 120 | 135 | 113 | 79 | 135 | 148 | 148 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 690 | 112 | 175 | 160 | 166 | 38 | 136 | 62 | 94 | 81 | 50 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 700 | 43 | 66 | 97 | 113 | 61 | 100 | 36 | 102 | 102 | 42 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 710 | 103 | 68 | 32 | 63 | 98 | 105 | 86 | 36 | 56 | 113 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 720 | 94 | 68 | 104 | 66 | 29 | 99 | 95 | 67 | 132 | 129 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 730 | 180 | 205 | 160 | 144 | 120 | 142 | 146 | 113 | 22 | 50 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 740 | 122 | 95 | 38 | 78 | 63 | 88 | 108 | 139 | 91 | 113 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 750 | 38 | 8 | 55 | 89 | 87 | 73 | 103 | 63 | 88 | 133 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 760 | 120 | 39 | 70 | 121 | 85 | 144 | 155 | 102 | 145 | 120 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 770 | 76 | 113 | 141 | 113 | 68 | 128 | 148 | 101 | 70 | 34 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 780 | 90 | 111 | 63 | 116 | 130 | 144 | 64 | 113 | 77 | 91 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 790 | 110 | 40 | 60 | 118 | 83 | 72 | 73 | 27 | 138 | 131 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| 800 | 124 | 158 | 131 | 184 | 178 | 198 | 150 | 119 | 42 | 9 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 810 | 119 | 121 | 135 | 134 | 126 | 100 | 82 | 71 | 47 | 94 | 5 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 820 | 136 | 142 | 173 | 77 | 87 | 30 | 112 | 117 | 81 | 86 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 830 | 33 | 111 | 95 | 125 | 150 | 136 | 140 | 95 | 127 | 75 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 840 | 20 | 73 | 96 | 123 | 109 | 125 | 95 | 36 | 100 | 66 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |
| 850 | 109 | 93 | 132 | 100 | 142 | 97 | 142 | 114 | 134 | 124 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 |
| 860 | 92 | 121 | 126 | 121 | 101 | 65 | 86 | 61 | 92 | 140 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 |
| 870 | 95 | 101 | 85 | 137 | 113 | 127 | 150 | 119 | 88 | 81 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 880 | 125 | 132 | 101 | 57 | 31 | 87 | 81 | 108 | 166 | 70 | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 890 | 130 | 140 | 74 | 115 | 82 | 68 | 87 | 137 | 151 | 204 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 16 |
| 900 | 69 | 83 | 62 | 41 | 39 | 84 | 64 | 48 | 92 | 107 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 910 | 74 | 113 | 129 | 110 | 105 | 135 | 83 | 136 | 100 | 87 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 920 | 29 | 63 | 42 | 52 | 40 | 68 | 120 | 109 | 152 | 157 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 12 | 11 |
| 930 | 126 | 146 | 128 | 79 | 67 | 77 | 99 | 65 | 133 | 123 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |
| 940 | 136 | 151 | 170 | 53 | 116 | 151 | 135 | 125 | 152 | 150 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 11 |
| 950 | 127 | 62 | 109 | 117 | 17 | 61 | 99 | 30 | 97 | 126 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 960 | 149 | 94 | 136 | 116 | 104 | 144 | 110 | 70 | 57 | 101 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 970 | 92 | 95 | 77 | 151 | 100 | 35 | 96 | 117 | 92 | 51 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 980 | 18 | 15 | 92 | 106 | 43 | 72 | 110 | 121 | 158 | 155 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 9 | 8 | 8 |
| 990 | 70 | 45 | 107 | 35 | 94 | 98 | 94 | 88 | 98 | 82 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 |
| 1000 | 119 | 74 | 112 | 106 | 148 | 54 | 141 | 137 | 116 | 76 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 |
| 1010 | 141 | 142 | 111 | 86 | 43 | 131 | 100 | 144 | 91 | 68 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 11 | 11 | 11 |
| 1020 | 126 | 92 | 88 | 55 | 117 | 86 | 98 | 106 | 92 | 92 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1030 | 111 | 107 | 117 | 101 | 84 | 63 | 64 | 61 | 89 | 59 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 1040 | 97 | 72 | 135 | 109 | 44 | 112 | 94 | 123 | 96 | 123 | 13 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 |
| 1050 | 110 | 123 | 144 | 105 | 146 | 144 | 116 | 103 | 118 | 108 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1060 | 141 | 149 | 90 | 130 | 108 | 105 | 137 | 38 | 112 | 75 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1070 | 79 | 107 | 105 | 78 | 93 | 99 | 119 | 130 | 121 | 144 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1080 | 188 | 120 | 184 | 162 | 156 | 97 | 81 | 161 | 86 | 109 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1090 | 46 | 44 | 104 | 78 | 69 | 74 | 88 | 66 | 65 | 57 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1100 | 104 | 75 | 114 | 105 | 85 | 135 | 115 | 77 | 75 | 120 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 |
| 1110 | 101 | 99 | 103 | 106 | 114 | 121 | 118 | 131 | 111 | 112 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1120 | 83 | 23 | 101 | 94 | 99 | 69 | 60 | 90 | 94 | 82 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | 6 | 6 |
| 1130 | 81 | 53 | 67 | 35 | 54 | 72 | 81 | 76 | 62 | 99 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 1140 | 63 | 93 | 71 | 87 | 129 | 116 | 48 | 93 | 107 | 137 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1150 | 41 | 100 | 131 | 139 | 161 | 126 | 17 | 94 | 50 | 114 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1160 | 116 | 96 | 133 | 161 | 118 | 137 | 129 | 146 | 64 | 54 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 1170 | 126 | 145 | 160 | 177 | 113 | 19 | 75 | 52 | 128 | 103 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1180 | 107 | 123 | 98 | 104 | 114 | 120 | 82 | 153 | 174 | 132 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 1190 | 142 | 127 | 88 | 69 | 85 | 134 | 82 | 143 | 116 | 67 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 1200 | 127 | 120 | 116 | 121 | 114 | 62 | 97 | 82 | 55 | 120 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1210 | 115 | 91 | 113 | 95 | 75 | 66 | 43 | 44 | 43 | 91 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1220 | 58 | 63 | 100 | 111 | 108 | 110 | 128 | 16 | 102 | 132 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1230 | 106 | 113 | 133 | 88 | 53 | 105 | 79 | 126 | 138 | 134 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1240 | 90 | 131 | 124 | 133 | 99 | 98 | 57 | 77 | 152 | 121 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1250 | 93 | 63 | 115 | 116 | 25 | 110 | 101 | 118 | 101 | 161 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1260 | 153 | 131 | 135 | 50 | 40 | 67 | 84 | 88 | 87 | 89 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 1270 | 59 | 77 | 93 | 82 | 108 | 159 | 68 | 115 | 80 | 126 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 1280 | 107 | 130 | 130 | 101 | 119 | 108 | 49 | 122 | 46 | 79 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1290 | 143 | 129 | 79 | 100 | 92 | 59 | 104 | 76 | 118 | 49 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1300 | 69 | 69 | 126 | 134 | 95 | 124 | 91 | 60 | 71 | 71 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1310 | 87 | 88 | 137 | 124 | 74 | 45 | 18 | 65 | 57 | 71 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1320 | 126 | 78 | 40 | 40 | 51 | 90 | 133 | 104 | 68 | 126 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1330 | 104 | 118 | 121 | 157 | 168 | 72 | 100 | 101 | 77 | 98 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1340 | 93 | 94 | 102 | 128 | 108 | 73 | 108 | 56 | 82 | 118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1350 | 45 | 89 | 88 | 83 | 126 | 106 | 119 | 179 | 156 | 159 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1360 | 86 | 100 | 114 | 65 | 105 | 122 | 110 | 159 | 102 | 136 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1370 | 121 | 107 | 111 | 136 | 129 | 131 | 123 | 140 | 113 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1380 | 117 | 143 | 203 | 174 | 210 | 154 | 134 | 85 | 74 | 43 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1390 | 97 | 43 | 90 | 48 | 88 | 74 | 130 | 95 | 97 | 145 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 |
| 1400 | 146 | 127 | 91 | 123 | 123 | 115 | 106 | 62 | 92 | 127 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1410 | 46 | 76 | 65 | 83 | 122 | 105 | 75 | 106 | 111 | 106 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1420 | 116 | 48 | 94 | 50 | 78 | 78 | 72 | 89 | 106 | 137 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1430 | 103 | 144 | 100 | 141 | 154 | 83 | 91 | 69 | 59 | 56 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1440 | 66 | 91 | 32 | 46 | 67 | 79 | 75 | 70 | 81 | 88 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1450 | 89 | 91 | 99 | 105 | 114 | 38 | 118 | 177 | 140 | 66 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1460 | 38 | 95 | 120 | 95 | 35 | 49 | 106 | 65 | 88 | 84 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1470 | 91 | 46 | 77 | 106 | 111 | 79 | 115 | 126 | 141 | 113 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1480 | 134 | 131 | 188 | 134 | 167 | 111 | 133 | 62 | 79 | 139 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1490 | 156 | 165 | 83 | 91 | 133 | 42 | 110 | 118 | 102 | 80 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1500 | 34 | 124 | 98 | 82 | 103 | 89 | 40 | 105 | 122 | 126 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1510 | 77 | 135 | 103 | 112 | 103 | 112 | 98 | 99 | 50 | 86 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1520 | 94 | 57 | 30 | 52 | 64 | 134 | 104 | 47 | 84 | 60 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1530 | 96 | 67 | 33 | 65 | 73 | 102 | 121 | 80 | 39 | 107 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1540 | 127 | 84 | 1 | 98 | 75 | 69 | 159 | 65 | 79 | 140 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1550 | 154 | 137 | 145 | 110 | 115 | 87 | 97 | 104 | 68 | 91 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1560 | 99 | 89 | 121 | 138 | 131 | 130 | 95 | 83 | 167 | 144 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1570 | 95 | 97 | 97 | 57 | 43 | 64 | 57 | 93 | 75 | 51 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1580 | 54 | 90 | 74 | 71 | 22 | 16 | 52 | 68 | 93 | 111 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1590 | 40 | 40 | 56 | 100 | 117 | 93 | 119 | 92 | 85 | 138 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1600 | 19 | 59 | 74 | 97 | 89 | 105 | 105 | 94 | 111 | 157 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1610 | 175 | 111 | 98 | 66 | 128 | 119 | 117 | 150 | 143 | 133 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1620 | 147 | 183 | 121 | 68 | 93 | 144 | 67 | 111 | 110 | 125 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1630 | 124 | 102 | 34 | 88 | 121 | 121 | 114 | 97 | 82 | 107 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1640 | 154 | 101 | 126 | 130 | 155 | 109 | 69 | 108 | 57 | 85 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1650 | 92 | 104 | 77 | 78 | 43 | 92 | 92 | 74 | 92 | 110 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1660 | 100 | 121 | 135 | 151 | 128 | 109 | 73 | 74 | 75 | 82 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1670 | 29 | 66 | 95 | 110 | 158 | 131 | 83 | 114 | 132 | 81 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| 1680 | 130 | 126 | 95 | 128 | 75 | 74 | 82 | 128 | 126 | 132 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1690 | 117 | 140 | 144 | 114 | 148 | 131 | 85 | 124 | 132 | 123 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1700 | 104 | 117 | 98 | 76 | 94 | 117 | 121 | 98 | 73 | 93 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

5 FLAGSTAFF ID 330299
CENTRAL LAT 35 DEG 15 MIN, LONG 111 DEG 30 MIN, ELEV 7000 FT
SPECIES: ARCHAEOL - PP, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1710 | 119 | 96 | 97 | 116 | 106 | 114 | 80 | 112 | 138 | 154 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |
| 1720 | 176 | 139 | 95 | 135 | 105 | 136 | 179 | 98 | 92 | 39 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1730 | 77 | 96 | 100 | 74 | 101 | 31 | 124 | 68 | 125 | 62 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1740 | 105 | 103 | 72 | 141 | 114 | 155 | 179 | 132 | 34 | 131 | 11 | 11 | 11 | 12 | 12 | 13 | 13 | 13 | 13 | 13 |
| 1750 | 77 | 106 | 21 | 81 | 104 | 49 | 110 | 120 | 152 | 149 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 15 |
| 1760 | 141 | 64 | 100 | 51 | 105 | 90 | 123 | 120 | 118 | 97 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1770 | 99 | 120 | 92 | 91 | 64 | 65 | 78 | 79 | 68 | 75 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1780 | 57 | 95 | 77 | 141 | 151 | 51 | 56 | 113 | 75 | 78 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1790 | 92 | 111 | 133 | 204 | 127 | 162 | 163 | 144 | 73 | 151 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1800 | 73 | 55 | 83 | 53 | 102 | 50 | 83 | 94 | 96 | 111 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1810 | 115 | 127 | 114 | 17 | 66 | 93 | 130 | 97 | 52 | 55 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1820 | 55 | 112 | 45 | 90 | 110 | 134 | 155 | 124 | 165 | 67 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1830 | 117 | 140 | 114 | 163 | 90 | 144 | 96 | 112 | 133 | 175 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1840 | 141 | 110 | 46 | 81 | 131 | 36 | 53 | 6 | 96 | 99 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1850 | 139 | 30 | 142 | 102 | 106 | 115 | 86 | 8 | 104 | 53 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1860 | 84 | 89 | 119 | 52 | 26 | 84 | 130 | 120 | 179 | 115 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1870 | 110 | 44 | 93 | 57 | 91 | 77 | 60 | 72 | 68 | 13 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1880 | 17 | 26 | 83 | 80 | 120 | 120 | 96 | 79 | 125 | 148 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1890 | 161 | 176 | 137 | 69 | 110 | 101 | 32 | 91 | 104 | 30 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1900 | 45 | 56 | 7 | 99 | 6 | 118 | 137 | 216 | 220 | 209 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1910 | 172 | 216 | 185 | 53 | 114 | 158 | 136 | 171 | 169 | 166 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1920 | 160 | 113 | 167 | 117 | 152 | 93 | 133 | 74 | 102 | 105 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 91 | 75 | 133 | 130 | 77 | 89 | 42 | 82 | 64 | 58 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 37 | 125 | 111 | 42 | 107 | 91 | 96 | 62 | 98 | 141 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 58 | 7 | 115 | 66 | 30 | 89 | 97 | 76 | 82 | 89 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 93 | 140 | 132 | 40 | 116 | 141 | 140 | 144 | 134 | 132 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1970 | 180 | 30 | 152 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 20 | 20 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .381 STANDARD DEVIATION = .366 MEAN SENSITIVITY = .373 N = 1403

6 CENTRAL MOUNTAINS, NORTH ID 100299
CENTRAL LAT 34 DEG 15 MIN, LONG 110 DEG 10 MIN, ELEV 6300 FT
SPECIES: ARCHAEOL - PP, LIVING - PP

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 680 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 710 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 720 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 730 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 740 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 750 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 760 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 770 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 780 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 790 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 800 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 820 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 830 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 840 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 850 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 860 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 870 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 880 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 890 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 920 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 930 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 940 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 950 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 960 | 999 | 999 | 999 | 999 | 999 | 168 | 132 | 58 | 75 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 965 | 999 | 999 | 999 | 999 | 999 | 168 | 132 | 58 | 75 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 970 | 120 | 79 | 44 | 113 | 83 | 184 | 128 | 164 | 63 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 980 | 25 | 28 | 94 | 104 | 43 | 113 | 120 | 113 | 150 | 160 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 990 | 92 | 41 | 84 | 24 | 96 | 59 | 123 | 104 | 199 | 89 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1000 | 155 | 118 | 133 | 118 | 106 | 16 | 120 | 151 | 141 | 80 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1010 | 79 | 92 | 71 | 87 | 60 | 121 | 126 | 153 | 117 | 29 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1020 | 76 | 91 | 82 | 112 | 145 | 81 | 162 | 189 | 109 | 177 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1030 | 121 | 114 | 143 | 101 | 60 | 22 | 42 | 68 | 73 | 84 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 5 |
| 1040 | 68 | 38 | 76 | 106 | 69 | 115 | 101 | 131 | 94 | 90 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1050 | 127 | 96 | 163 | 125 | 145 | 118 | 130 | 132 | 84 | 77 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1060 | 109 | 110 | 76 | 111 | 105 | 119 | 116 | 23 | 34 | 72 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 |
| 1070 | 35 | 102 | 100 | 83 | 92 | 99 | 132 | 139 | 112 | 154 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1080 | 124 | 63 | 115 | 93 | 109 | 63 | 37 | 144 | 106 | 155 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1090 | 92 | 72 | 111 | 104 | 44 | 116 | 118 | 72 | 72 | 65 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1100 | 107 | 65 | 73 | 115 | 92 | 146 | 105 | 63 | 89 | 110 | 6 | 6 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 1110 | 108 | 95 | 113 | 81 | 135 | 135 | 124 | 110 | 106 | 126 | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 1120 | 39 | 28 | 119 | 111 | 134 | 102 | 119 | 159 | 145 | 202 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 1130 | 166 | 72 | 85 | 48 | 73 | 78 | 79 | 71 | 109 | 130 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1140 | 121 | 146 | 95 | 81 | 101 | 107 | 52 | 115 | 102 | 84 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1150 | 41 | 47 | 117 | 126 | 131 | 97 | 47 | 104 | 63 | 82 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| 1160 | 103 | 65 | 119 | 125 | 109 | 132 | 98 | 129 | 64 | 50 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 |
| 1170 | 71 | 106 | 122 | 142 | 104 | 45 | 73 | 48 | 104 | 100 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1180 | 97 | 155 | 91 | 107 | 163 | 148 | 102 | 99 | 105 | 82 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 |
| 1190 | 104 | 91 | 58 | 68 | 79 | 123 | 116 | 168 | 119 | 54 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1200 | 142 | 162 | 158 | 155 | 157 | 98 | 93 | 119 | 74 | 121 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1210 | 131 | 146 | 177 | 132 | 59 | 58 | 18 | 19 | 39 | 52 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1220 | 68 | 48 | 56 | 74 | 97 | 129 | 113 | 19 | 119 | 106 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 |
| 1230 | 105 | 115 | 135 | 81 | 75 | 116 | 85 | 117 | 102 | 117 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 10 | 10 |
| 1240 | 113 | 188 | 139 | 154 | 132 | 101 | 83 | 46 | 121 | 136 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| 1250 | 115 | 25 | 99 | 87 | 4 | 79 | 93 | 97 | 52 | 135 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1260 | 117 | 157 | 123 | 21 | 64 | 78 | 89 | 114 | 99 | 94 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1270 | 74 | 119 | 126 | 93 | 138 | 191 | 68 | 122 | 64 | 118 | 12 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1280 | 70 | 114 | 108 | 33 | 114 | 100 | 18 | 94 | 32 | 68 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 8 |
| 1290 | 100 | 81 | 120 | 104 | 107 | 29 | 116 | 121 | 155 | 39 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| 1300 | 125 | 142 | 179 | 161 | 129 | 176 | 115 | 111 | 77 | 142 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 6 |
| 1310 | 128 | 139 | 172 | 165 | 92 | 107 | 48 | 130 | 156 | 119 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1320 | 97 | 142 | 134 | 107 | 75 | 108 | 111 | 112 | 45 | 86 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| 1330 | 98 | 111 | 115 | 167 | 161 | 92 | 137 | 130 | 19 | 96 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1340 | 73 | 20 | 64 | 57 | 64 | 85 | 85 | 17 | 50 | 79 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1350 | 45 | 43 | 49 | 76 | 119 | 58 | 114 | 123 | 174 | 183 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1360 | 46 | 68 | 89 | 76 | 125 | 61 | 142 | 89 | 139 | 68 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1370 | 104 | 133 | 43 | 102 | 156 | 142 | 93 | 85 | 33 | 15 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 1 | 1 | 1 |
| 1380 | 79 | 88 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1470 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1480 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1490 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1510 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1520 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1530 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1540 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1550 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1560 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1570 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1580 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1590 | 999 | 999 | 999 | 999 | 999 | 999 | 87 | 51 | 42 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1600 | 42 | 17 | 60 | 89 | 104 | 75 | 89 | 131 | 161 | 166 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1610 | 186 | 151 | 154 | 75 | 135 | 122 | 88 | 146 | 203 | 191 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1620 | 152 | 162 | 132 | 95 | 50 | 94 | 32 | 72 | 57 | 93 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1630 | 122 | 116 | 40 | 80 | 70 | 86 | 124 | 133 | 104 | 109 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 1640 | 122 | 117 | 128 | 78 | 117 | 133 | 87 | 139 | 108 | 107 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1650 | 113 | 96 | 110 | 64 | 35 | 70 | 84 | 71 | 74 | 90 | 7 | 7 | 7 | 9 | 10 | 11 | 11 | 11 | 11 | 11 |
| 1660 | 121 | 174 | 182 | 170 | 139 | 151 | 93 | 78 | 72 | 22 | 12 | 14 | 15 | 16 | 17 | 17 | 17 | 17 | 17 | 18 |
| 1670 | 2 | 48 | 84 | 88 | 110 | 123 | 82 | 92 | 56 | 91 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1680 | 140 | 150 | 133 | 137 | 17 | 7 | 60 | 128 | 99 | 154 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1690 | 227 | 183 | 223 | 178 | 184 | 207 | 107 | 82 | 49 | 148 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1700 | 114 | 134 | 155 | 89 | 106 | 126 | 100 | 35 | 19 | 43 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1710 | 71 | 95 | 118 | 103 | 131 | 81 | 40 | 73 | 117 | 104 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1720 | 131 | 112 | 35 | 92 | 41 | 125 | 140 | 112 | 35 | 32 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1730 | 40 | 31 | 72 | 20 | 51 | 6 | 51 | 69 | 73 | 89 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1740 | 112 | 106 | 161 | 184 | 171 | 241 | 336 | 265 | 47 | 226 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1750 | 130 | 75 | 10 | 27 | 70 | 24 | 38 | 37 | 86 | 98 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1760 | 60 | 23 | 95 | 34 | 162 | 100 | 148 | 52 | 115 | 95 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1770 | 98 | 129 | 119 | 6 | 82 | 59 | 86 | 43 | 10 | 97 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1780 | 29 | 53 | 7 | 94 | 145 | 46 | 88 | 165 | 87 | 82 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1790 | 84 | 134 | 145 | 246 | 79 | 117 | 77 | 78 | 69 | 84 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1800 | 31 | 16 | 76 | 1 | 92 | 35 | 14 | 75 | 86 | 70 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |

6 CENTRAL MOUNTAINS, NORTH ID 100299
CENTRAL LAT 34 DEG 15 MIN, LONG 110 DEG 10 MIN, ELEV 6300 FT
SPECIES: ARCHAEOL - PP, LIVING - PP

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1810 | 71 | 45 | 141 | 109 | 173 | 204 | 217 | 177 | 71 | 6 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1820 | 1 | 83 | 14 | 1 | 90 | 89 | 113 | 54 | 121 | 64 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1830 | 84 | 65 | 69 | 114 | 87 | 148 | 115 | 136 | 221 | 272 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1840 | 211 | 112 | 27 | 10 | 84 | 50 | 59 | 2 | 71 | 79 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1850 | 130 | 113 | 119 | 138 | 86 | 108 | 90 | 42 | 140 | 53 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1860 | 132 | 25 | 123 | 71 | 6 | 153 | 177 | 161 | 253 | 202 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1870 | 112 | 70 | 91 | 54 | 77 | 96 | 79 | 65 | 101 | 80 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1880 | 79 | 59 | 100 | 98 | 143 | 138 | 105 | 56 | 126 | 142 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1890 | 169 | 155 | 161 | 55 | 56 | 87 | 152 | 163 | 118 | 33 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1900 | 0 | 127 | 19 | 94 | 0 | 151 | 140 | 203 | 216 | 216 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1910 | 137 | 239 | 173 | 91 | 164 | 192 | 160 | 185 | 145 | 206 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1920 | 187 | 115 | 158 | 144 | 193 | 130 | 171 | 117 | 93 | 103 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1930 | 103 | 91 | 164 | 186 | 98 | 107 | 121 | 152 | 100 | 72 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1940 | 81 | 144 | 111 | 94 | 121 | 117 | 70 | 87 | 72 | 116 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1950 | 49 | 21 | 121 | 78 | 72 | 14 | 41 | 52 | 41 | 33 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1960 | 93 | 54 | 99 | 56 | 26 | 131 | 82 | 56 | 119 | 100 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1970 | 72 | 10 | 105 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 24 | 24 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .337 STANDARD DEVIATION = .382 MEAN SENSITIVITY = .401 N = 417
SERIAL CORRELATION = .555 STANDARD DEVIATION = .551 MEAN SENSITIVITY = .524 N = 377

7. CENTRAL MOUNTAINS, SOUTH ID F99900
CENTRAL LAT 33 DEG 50 MIN, LONG 110 DEG 40 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PP DF, LIVING - PP

| | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 680 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 710 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 720 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 730 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 740 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 750 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 760 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 770 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 780 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 790 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 800 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 820 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 830 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 840 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 850 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 860 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 870 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 880 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 890 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 920 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 930 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 940 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 950 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 960 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 970 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 980 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1010 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1020 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1030 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1040 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1050 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1060 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1070 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1080 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1090 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1090 | 999 | 999 | 999 | 999 | 999 | 999 | 106 | 67 | 120 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1096 | 999 | 999 | 999 | 999 | 999 | 999 | 106 | 67 | 120 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1100 | 125 | 55 | 86 | 127 | 68 | 129 | 87 | 62 | 92 | 111 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1110 | 92 | 59 | 89 | 63 | 91 | 90 | 96 | 87 | 113 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1120 | 49 | 82 | 137 | 110 | 237 | 130 | 147 | 259 | 223 | 198 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1130 | 217 | 95 | 88 | 42 | 69 | 48 | 45 | 41 | 34 | 57 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1140 | 54 | 127 | 105 | 56 | 89 | 116 | 28 | 68 | 117 | 103 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 |
| 1150 | 38 | 56 | 87 | 140 | 143 | 109 | 30 | 90 | 31 | 54 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1160 | 133 | 103 | 172 | 183 | 147 | 168 | 90 | 138 | 48 | 47 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1170 | 91 | 91 | 117 | 106 | 94 | 44 | 58 | 76 | 87 | 59 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1180 | 94 | 103 | 52 | 100 | 105 | 115 | 95 | 113 | 122 | 122 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 1190 | 164 | 71 | 73 | 90 | 108 | 124 | 149 | 167 | 121 | 44 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1200 | 145 | 129 | 161 | 145 | 98 | 74 | 102 | 101 | 70 | 108 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 1210 | 103 | 91 | 122 | 130 | 100 | 74 | 60 | 55 | 77 | 99 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1220 | 95 | 112 | 101 | 88 | 93 | 101 | 124 | 31 | 107 | 113 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1230 | 131 | 130 | 147 | 87 | 83 | 101 | 72 | 95 | 114 | 107 | 12 | 12 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| 1240 | 104 | 100 | 100 | 85 | 103 | 93 | 97 | 80 | 109 | 122 | 13 | 13 | 13 | 12 | 12 | 12 | 14 | 15 | 15 | 15 |
| 1250 | 116 | 56 | 105 | 108 | 36 | 105 | 97 | 111 | 78 | 143 | 17 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 18 |
| 1260 | 123 | 123 | 124 | 48 | 63 | 109 | 103 | 119 | 109 | 152 | 18 | 18 | 18 | 18 | 18 | 19 | 18 | 18 | 18 | 18 |
| 1270 | 121 | 136 | 124 | 94 | 123 | 156 | 60 | 101 | 86 | 109 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1280 | 68 | 117 | 115 | 46 | 80 | 75 | 20 | 82 | 32 | 64 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 |
| 1290 | 54 | 81 | 79 | 105 | 91 | 59 | 86 | 72 | 113 | 49 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 17 |
| 1300 | 141 | 174 | 136 | 130 | 106 | 121 | 101 | 69 | 81 | 98 | 17 | 16 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 |
| 1310 | 125 | 110 | 132 | 166 | 152 | 101 | 60 | 112 | 139 | 131 | 14 | 14 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1320 | 142 | 155 | 126 | 93 | 81 | 87 | 125 | 141 | 52 | 83 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 |
| 1330 | 150 | 139 | 156 | 150 | 94 | 66 | 113 | 78 | 45 | 77 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| 1340 | 75 | 34 | 86 | 85 | 68 | 159 | 148 | 87 | 105 | 76 | 4 | 4 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 1 |
| 1350 | 93 | 44 | 61 | 87 | 104 | 45 | 84 | 55 | 97 | 122 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1360 | 75 | 133 | 104 | 87 | 112 | 113 | 131 | 107 | 138 | 139 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1370 | 124 | 127 | 115 | 124 | 101 | 88 | 107 | 73 | 79 | 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1380 | 60 | 72 | 78 | 81 | 73 | 79 | 999 | 999 | 999 | 999 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1470 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1480 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1490 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1510 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1520 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1530 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1540 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1550 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1560 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1570 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1580 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1590 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1610 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1620 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1630 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1640 | 999 | 999 | 171 | 111 | 143 | 167 | 151 | 169 | 59 | 97 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1650 | 112 | 160 | 127 | 83 | 28 | 50 | 70 | 36 | 44 | 45 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1660 | 62 | 61 | 77 | 72 | 56 | 61 | 72 | 27 | 30 | 15 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1670 | 0 | 58 | 80 | 72 | 46 | 49 | 47 | 88 | 84 | 150 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1680 | 203 | 177 | 156 | 142 | 57 | 13 | 55 | 121 | 116 | 124 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1690 | 119 | 105 | 162 | 141 | 168 | 152 | 50 | 79 | 86 | 160 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 1700 | 117 | 139 | 158 | 122 | 129 | 170 | 156 | 59 | 72 | 98 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1710 | 174 | 106 | 80 | 94 | 145 | 80 | 34 | 88 | 134 | 108 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 1720 | 179 | 80 | 60 | 119 | 33 | 109 | 152 | 122 | 75 | 31 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1730 | 81 | 51 | 110 | 51 | 122 | 11 | 34 | 85 | 134 | 64 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1740 | 137 | 136 | 99 | 127 | 123 | 164 | 241 | 241 | 68 | 267 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1750 | 196 | 96 | 11 | 32 | 43 | 25 | 30 | 15 | 39 | 56 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| 1760 | 69 | 31 | 87 | 49 | 138 | 60 | 148 | 110 | 153 | 109 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 12 | 12 | 12 |
| 1770 | 120 | 155 | 166 | 52 | 101 | 110 | 140 | 88 | 45 | 81 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| 1780 | 43 | 58 | 18 | 86 | 141 | 52 | 91 | 135 | 44 | 97 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1790 | 67 | 121 | 156 | 201 | 116 | 154 | 117 | 66 | 81 | 102 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |

7. CENTRAL MOUNTAINS, SOUTH ID 599900
CENTRAL LAT 33 DEG 50 MIN, LONG 110 DEG 40 MIN, ELEV 6000 FT
SPECIES: ARCHAFOL - PP DF, LIVING - PP

| | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1800 | 66 | 40 | 69 | 19 | 71 | 63 | 82 | 100 | 126 | 129 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1810 | 109 | 120 | 115 | 87 | 129 | 138 | 167 | 103 | 57 | 34 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1820 | 3 | 82 | 23 | 5 | 98 | 135 | 146 | 110 | 173 | 82 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1830 | 121 | 109 | 138 | 149 | 142 | 122 | 135 | 95 | 168 | 179 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 |
| 1840 | 129 | 55 | 91 | 84 | 153 | 42 | 75 | 4 | 79 | 126 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1850 | 117 | 90 | 174 | 184 | 104 | 154 | 133 | 69 | 115 | 69 | 15 | 16 | 16 | 16 | 16 | 16 | 17 | 19 | 19 | 20 |
| 1860 | 114 | 58 | 124 | 71 | 16 | 120 | 129 | 139 | 207 | 182 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 25 | 26 | 27 |
| 1870 | 110 | 28 | 80 | 94 | 99 | 127 | 92 | 86 | 110 | 101 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1880 | 84 | 33 | 100 | 112 | 151 | 168 | 130 | 60 | 104 | 94 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1890 | 116 | 95 | 85 | 44 | 23 | 71 | 79 | 94 | 106 | 80 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1900 | 29 | 92 | 18 | 61 | 0 | 66 | 108 | 119 | 158 | 177 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1910 | 115 | 186 | 194 | 123 | 200 | 178 | 150 | 165 | 108 | 167 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1920 | 152 | 92 | 147 | 138 | 127 | 99 | 113 | 114 | 110 | 129 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1930 | 121 | 129 | 136 | 87 | 40 | 113 | 66 | 112 | 87 | 77 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1940 | 62 | 132 | 97 | 110 | 111 | 100 | 42 | 89 | 53 | 103 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1950 | 50 | 36 | 116 | 94 | 82 | 23 | 42 | 84 | 90 | 37 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1960 | 114 | 47 | 94 | 62 | 29 | 81 | 112 | 98 | 101 | 136 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1970 | 80 | 57 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 28 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .434 STANDARD DEVIATION = .364 MEAN SENSITIVITY = .331 N = 290
SERIAL CORRELATION = .496 STANDARD DEVIATION = .472 MEAN SENSITIVITY = .475 N = 330

8. HOPI MESAS ID 100399
CENTRAL LAT 35 DEG 50 MIN, LONG 110 DEG 25 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 500 | 94 | 103 | 141 | 147 | 105 | 144 | 100 | 114 | 64 | 173 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 510 | 220 | 108 | 23 | 0 | 114 | 76 | 44 | 3 | 47 | 56 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 520 | 0 | 111 | 188 | 229 | 173 | 126 | 26 | 94 | 88 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 530 | 179 | 47 | 149 | 123 | 91 | 105 | 26 | 158 | 149 | 161 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 540 | 117 | 144 | 117 | 29 | 76 | 114 | 144 | 161 | 132 | 144 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 550 | 23 | 97 | 103 | 56 | 29 | 85 | 70 | 76 | 59 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 560 | 32 | 53 | 44 | 0 | 41 | 85 | 88 | 32 | 9 | 82 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 570 | 120 | 111 | 123 | 164 | 264 | 129 | 132 | 114 | 114 | 129 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 580 | 120 | 117 | 151 | 94 | 58 | 60 | 127 | 106 | 37 | 158 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 590 | 49 | 59 | 114 | 90 | 131 | 134 | 94 | 129 | 78 | 23 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 600 | 137 | 106 | 111 | 47 | 82 | 106 | 50 | 94 | 127 | 141 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 610 | 116 | 57 | 103 | 97 | 120 | 62 | 96 | 89 | 109 | 60 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 620 | 18 | 167 | 172 | 149 | 109 | 66 | 86 | 119 | 130 | 86 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| 630 | 19 | 73 | 97 | 85 | 62 | 116 | 212 | 132 | 132 | 99 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 640 | 93 | 183 | 94 | 162 | 84 | 34 | 68 | 91 | 78 | 141 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 650 | 104 | 80 | 90 | 127 | 76 | 102 | 143 | 118 | 53 | 101 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| 660 | 45 | 91 | 102 | 37 | 58 | 145 | 132 | 146 | 99 | 115 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 |
| 670 | 109 | 95 | 96 | 145 | 74 | 93 | 96 | 38 | 79 | 96 | 9 | 9 | 10 | 11 | 11 | 11 | 11 | 11 | 10 | 10 |
| 680 | 81 | 73 | 112 | 132 | 180 | 147 | 47 | 95 | 116 | 165 | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |
| 690 | 107 | 132 | 122 | 126 | 108 | 151 | 68 | 87 | 94 | 71 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 700 | 94 | 108 | 84 | 80 | 36 | 74 | 55 | 70 | 129 | 60 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 |
| 710 | 85 | 45 | 27 | 73 | 106 | 83 | 106 | 88 | 80 | 138 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 720 | 158 | 80 | 87 | 70 | 38 | 127 | 92 | 127 | 169 | 142 | 9 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 730 | 175 | 167 | 88 | 119 | 115 | 99 | 132 | 123 | 6 | 82 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 740 | 96 | 50 | 20 | 103 | 69 | 91 | 113 | 110 | 40 | 136 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 750 | 124 | 51 | 91 | 106 | 87 | 120 | 94 | 45 | 97 | 136 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 760 | 117 | 38 | 60 | 71 | 95 | 141 | 133 | 86 | 156 | 98 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 770 | 84 | 75 | 160 | 90 | 50 | 98 | 109 | 112 | 63 | 51 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 |
| 780 | 131 | 151 | 71 | 160 | 163 | 160 | 83 | 118 | 123 | 110 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 790 | 142 | 76 | 156 | 192 | 158 | 30 | 85 | 55 | 144 | 81 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 |
| 800 | 161 | 152 | 165 | 250 | 218 | 185 | 146 | 97 | 53 | 4 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 810 | 133 | 122 | 110 | 141 | 152 | 106 | 61 | 41 | 55 | 59 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 820 | 184 | 163 | 132 | 23 | 43 | 38 | 98 | 49 | 69 | 42 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 830 | 17 | 132 | 97 | 119 | 52 | 38 | 95 | 66 | 113 | 84 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 |
| 840 | 29 | 88 | 100 | 148 | 97 | 101 | 145 | 45 | 83 | 77 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 |
| 850 | 118 | 45 | 109 | 120 | 175 | 75 | 141 | 81 | 124 | 92 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 860 | 100 | 104 | 123 | 99 | 109 | 62 | 105 | 59 | 70 | 123 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 870 | 35 | 92 | 85 | 140 | 89 | 73 | 121 | 53 | 61 | 72 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 880 | 105 | 124 | 125 | 64 | 79 | 135 | 130 | 155 | 108 | 76 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 890 | 105 | 112 | 64 | 142 | 132 | 131 | 90 | 139 | 165 | 160 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 |
| 900 | 96 | 78 | 80 | 52 | 33 | 80 | 70 | 40 | 90 | 117 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 910 | 117 | 133 | 101 | 111 | 115 | 125 | 68 | 127 | 125 | 125 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 920 | 33 | 108 | 133 | 65 | 29 | 130 | 184 | 155 | 177 | 140 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 930 | 55 | 102 | 99 | 95 | 70 | 77 | 91 | 61 | 117 | 105 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 940 | 112 | 119 | 93 | 71 | 94 | 129 | 128 | 130 | 154 | 149 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| 950 | 128 | 65 | 115 | 126 | 59 | 91 | 98 | 44 | 67 | 106 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 960 | 134 | 99 | 120 | 107 | 78 | 116 | 145 | 122 | 69 | 55 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 9 | 9 | 9 |
| 970 | 113 | 85 | 38 | 133 | 77 | 61 | 100 | 147 | 107 | 118 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| 980 | 17 | 20 | 109 | 114 | 94 | 133 | 137 | 173 | 219 | 229 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| 990 | 110 | 31 | 83 | 68 | 101 | 30 | 173 | 72 | 132 | 55 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1000 | 109 | 44 | 70 | 90 | 98 | 8 | 91 | 134 | 130 | 55 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1010 | 79 | 78 | 113 | 76 | 69 | 144 | 133 | 134 | 70 | 27 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1020 | 123 | 131 | 98 | 103 | 139 | 73 | 83 | 123 | 91 | 108 | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 8 |
| 1030 | 72 | 84 | 91 | 71 | 152 | 25 | 29 | 132 | 135 | 41 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1040 | 87 | 53 | 122 | 97 | 62 | 119 | 72 | 168 | 131 | 123 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1050 | 129 | 103 | 142 | 93 | 145 | 63 | 104 | 129 | 109 | 90 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 1060 | 116 | 114 | 114 | 141 | 160 | 154 | 107 | 125 | 70 | 54 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1070 | 110 | 91 | 120 | 93 | 107 | 128 | 100 | 132 | 64 | 117 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1080 | 98 | 47 | 85 | 87 | 100 | 14 | 41 | 128 | 114 | 128 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1090 | 25 | 59 | 117 | 81 | 135 | 154 | 115 | 80 | 101 | 46 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1100 | 89 | 60 | 118 | 128 | 97 | 114 | 122 | 45 | 42 | 135 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1110 | 146 | 135 | 169 | 162 | 157 | 124 | 180 | 143 | 185 | 126 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 |
| 1120 | 65 | 57 | 90 | 70 | 123 | 94 | 84 | 133 | 144 | 97 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 |
| 1130 | 105 | 98 | 65 | 72 | 75 | 66 | 78 | 133 | 98 | 123 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1140 | 77 | 103 | 92 | 82 | 77 | 152 | 60 | 88 | 54 | 77 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1150 | 55 | 64 | 188 | 84 | 83 | 114 | 42 | 95 | 34 | 97 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1160 | 104 | 46 | 142 | 138 | 73 | 150 | 129 | 184 | 45 | 26 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1170 | 98 | 30 | 139 | 133 | 65 | 38 | 80 | 66 | 115 | 85 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 1180 | 126 | 100 | 58 | 101 | 157 | 53 | 38 | 68 | 55 | 82 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1190 | 138 | 64 | 73 | 82 | 112 | 110 | 104 | 117 | 91 | 94 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 |
| 1200 | 115 | 136 | 176 | 113 | 146 | 150 | 91 | 124 | 109 | 185 | 9 | 10 | 10 | 11 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1210 | 131 | 131 | 100 | 93 | 76 | 67 | 11 | 23 | 70 | 135 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1220 | 107 | 37 | 74 | 75 | 85 | 88 | 125 | 27 | 164 | 142 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1230 | 121 | 94 | 161 | 103 | 62 | 135 | 79 | 71 | 114 | 87 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1240 | 58 | 75 | 94 | 122 | 90 | 108 | 43 | 75 | 141 | 182 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1250 | 127 | 23 | 62 | 113 | 23 | 144 | 120 | 109 | 15 | 234 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1260 | 162 | 175 | 156 | 7 | 27 | 81 | 65 | 104 | 190 | 191 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1270 | 81 | 169 | 177 | 101 | 118 | 241 | 63 | 83 | 24 | 125 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| 1280 | 30 | 91 | 105 | 22 | 85 | 90 | 20 | 63 | 17 | 44 | 5 | 5 | 5 | 5 | 3 | 3 | 4 | 4 | 4 | 4 |
| 1290 | 128 | 57 | 33 | 91 | 19 | 17 | 91 | 36 | 124 | 24 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1300 | 93 | 153 | 140 | 137 | 139 | 182 | 124 | 70 | 97 | 104 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| 1310 | 110 | 95 | 128 | 130 | 134 | 111 | 43 | 78 | 123 | 141 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 10 |
| 1320 | 128 | 158 | 98 | 83 | 95 | 149 | 151 | 88 | 76 | 87 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 10 | 11 | 11 |
| 1330 | 108 | 99 | 110 | 111 | 107 | 83 | 106 | 131 | 92 | 110 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| 1340 | 84 | 51 | 69 | 86 | 103 | 102 | 102 | 75 | 90 | 143 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1350 | 42 | 48 | 68 | 141 | 142 | 33 | 126 | 169 | 174 | 163 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1360 | 55 | 20 | 84 | 55 | 89 | 85 | 116 | 71 | 118 | 66 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 |
| 1370 | 139 | 45 | 93 | 118 | 119 | 61 | 67 | 97 | 93 | 33 | 11 | 10 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1380 | 191 | 145 | 167 | 104 | 126 | 91 | 111 | 138 | 132 | 107 | 12 | 11 | 10 | 9 | 9 | 9 | 7 | 7 | 7 | 7 |
| 1390 | 75 | 113 | 169 | 117 | 141 | 110 | 68 | 60 | 81 | 52 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| 1400 | 70 | 95 | 69 | 61 | 175 | 93 | 144 | 72 | 109 | 142 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1410 | 49 | 72 | 123 | 30 | 137 | 81 | 72 | 92 | 115 | 79 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 5 |
| 1420 | 131 | 45 | 105 | 74 | 170 | 162 | 284 | 158 | 189 | 154 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | 3 |
| 1430 | 103 | 98 | 95 | 157 | 101 | 35 | 37 | 56 | 27 | 60 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1440 | 83 | 146 | 94 | 92 | 79 | 70 | 67 | 50 | 16 | 73 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1450 | 63 | 159 | 144 | 159 | 164 | 36 | 45 | 53 | 96 | 27 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1460 | 10 | 36 | 101 | 87 | 10 | 40 | 106 | 170 | 147 | 155 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 1470 | 62 | 22 | 48 | 58 | 92 | 80 | 116 | 135 | 118 | 67 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1480 | 56 | 97 | 147 | 130 | 209 | 185 | 168 | 77 | 103 | 143 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 |
| 1490 | 127 | 151 | 95 | 105 | 108 | 34 | 104 | 99 | 108 | 110 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 1500 | 65 | 77 | 88 | 96 | 122 | 90 | 70 | 111 | 106 | 143 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1510 | 99 | 148 | 124 | 151 | 135 | 125 | 94 | 26 | 76 | 118 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1520 | 111 | 82 | 58 | 68 | 105 | 128 | 158 | 88 | 106 | 106 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| 1530 | 122 | 142 | 72 | 75 | 75 | 104 | 131 | 145 | 65 | 115 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 9 | 8 | 8 |
| 1540 | 125 | 111 | 44 | 97 | 79 | 67 | 110 | 64 | 75 | 111 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| 1550 | 125 | 112 | 114 | 80 | 86 | 113 | 118 | 114 | 117 | 88 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1560 | 83 | 51 | 96 | 102 | 141 | 165 | 127 | 92 | 94 | 106 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 10 | 10 | 10 |
| 1570 | 120 | 97 | 87 | 47 | 44 | 81 | 95 | 122 | 111 | 66 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1580 | 82 | 102 | 97 | 48 | 57 | 13 | 103 | 100 | 112 | 63 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1590 | 36 | 51 | 43 | 85 | 142 | 117 | 125 | 82 | 85 | 127 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1600 | 41 | 81 | 110 | 113 | 116 | 142 | 132 | 119 | 111 | 161 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 |
| 1610 | 151 | 147 | 81 | 63 | 88 | 105 | 86 | 137 | 140 | 90 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1620 | 182 | 202 | 140 | 57 | 60 | 107 | 22 | 125 | 83 | 102 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1630 | 103 | 45 | 58 | 129 | 115 | 135 | 113 | 68 | 64 | 95 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 |

HOPI MESAS ID 100399
CENTRAL LAT 35 DEG 50 MIN, LONG 110 DEG 25 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN, LIVING - PNN

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1640 | 136 | 155 | 142 | 127 | 123 | 112 | 117 | 154 | 72 | 95 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1650 | 141 | 171 | 144 | 114 | 38 | 146 | 162 | 65 | 54 | 100 | 14 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 |
| 1660 | 148 | 163 | 117 | 83 | 79 | 94 | 80 | 36 | 10 | 39 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1670 | 20 | 56 | 93 | 113 | 97 | 51 | 34 | 97 | 58 | 39 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1680 | 134 | 144 | 116 | 162 | 90 | 49 | 54 | 127 | 74 | 131 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 |
| 1690 | 102 | 115 | 115 | 125 | 82 | 135 | 76 | 74 | 111 | 120 | 14 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 |
| 1700 | 40 | 131 | 82 | 89 | 58 | 122 | 153 | 90 | 64 | 92 | 14 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1710 | 116 | 97 | 94 | 87 | 84 | 83 | 66 | 61 | 140 | 139 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1720 | 177 | 134 | 111 | 132 | 120 | 154 | 175 | 117 | 9 | 9 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1730 | 60 | 80 | 99 | 32 | 45 | 2 | 55 | 24 | 51 | 42 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1740 | 39 | 92 | 67 | 146 | 117 | 180 | 194 | 183 | 90 | 220 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1750 | 80 | 123 | 83 | 68 | 86 | 48 | 96 | 67 | 123 | 139 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1760 | 151 | 131 | 135 | 74 | 152 | 64 | 156 | 119 | 136 | 83 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1770 | 88 | 116 | 105 | 54 | 98 | 103 | 88 | 94 | 22 | 58 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1780 | 35 | 61 | 39 | 28 | 93 | 28 | 64 | 116 | 61 | 91 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1790 | 17 | 120 | 133 | 186 | 143 | 156 | 154 | 113 | 97 | 130 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1800 | 125 | 81 | 87 | 102 | 119 | 49 | 103 | 110 | 39 | 79 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1810 | 43 | 104 | 92 | 3 | 74 | 66 | 140 | 115 | 10 | 9 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1820 | 3 | 95 | 1 | 31 | 75 | 88 | 90 | 64 | 104 | 5 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1830 | 92 | 111 | 58 | 130 | 116 | 158 | 139 | 180 | 239 | 215 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1840 | 196 | 124 | 120 | 108 | 178 | 30 | 128 | 12 | 117 | 207 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1850 | 178 | 90 | 185 | 112 | 73 | 127 | 137 | 49 | 144 | 113 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1860 | 48 | 6 | 169 | 51 | 6 | 115 | 162 | 180 | 174 | 117 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1870 | 69 | 17 | 37 | 44 | 99 | 66 | 24 | 91 | 75 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1880 | 38 | 22 | 44 | 47 | 101 | 110 | 86 | 24 | 105 | 111 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1890 | 158 | 125 | 134 | 116 | 32 | 133 | 35 | 111 | 93 | 5 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1900 | 54 | 53 | 1 | 120 | 30 | 140 | 149 | 152 | 109 | 139 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1910 | 115 | 151 | 138 | 149 | 163 | 178 | 185 | 159 | 81 | 147 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1920 | 178 | 110 | 124 | 183 | 172 | 140 | 155 | 163 | 99 | 83 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1930 | 71 | 94 | 169 | 155 | 112 | 111 | 64 | 179 | 128 | 84 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1940 | 93 | 187 | 163 | 128 | 150 | 156 | 91 | 82 | 136 | 167 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1950 | 110 | 58 | 163 | 40 | 48 | 139 | 13 | 110 | 91 | 14 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1960 | 100 | 76 | 82 | 77 | 56 | 133 | 101 | 50 | 75 | 103 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1970 | 88 | 101 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .341 STANDARD DEVIATION = .432 MEAN SENSITIVITY = .460 N = 1472

9 PUERCO VALLEY ID 500300
CENTRAL LAT 35 DEG 25 MIN, LONG 109 DEG 25 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 426 | 999 | 999 | 999 | 999 | 999 | 999 | 56 | 127 | 115 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 430 | 102 | 20 | 94 | 190 | 140 | 155 | 81 | 82 | 84 | 2P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 440 | 54 | 88 | 121 | 100 | 122 | 142 | 77 | 51 | 81 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 450 | 109 | 111 | 80 | 72 | 158 | 18 | 66 | 69 | 133 | 126 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 460 | 90 | 111 | 211 | 102 | 131 | 106 | 125 | 83 | 75 | 105 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| 470 | 105 | 60 | 68 | 82 | 14 | 177 | 246 | 204 | 125 | 117 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 480 | 75 | 117 | 147 | 78 | 130 | 114 | 86 | 109 | 111 | 126 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 490 | 114 | 80 | 148 | 100 | 129 | 139 | 185 | 151 | 126 | 93 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 500 | 27 | 67 | 114 | 106 | 96 | 93 | 68 | 43 | 1 | 37 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 510 | 91 | 44 | 5 | 50 | 109 | 0 | 0 | 2 | 47 | 58 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 520 | 9 | 89 | 115 | 143 | 48 | 92 | 28 | 66 | 63 | 68 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 |
| 530 | 109 | 33 | 136 | 132 | 127 | 55 | 38 | 135 | 127 | 139 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 540 | 111 | 129 | 47 | 54 | 96 | 149 | 92 | 134 | 89 | 109 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 550 | 100 | 152 | 112 | 64 | 29 | 116 | 135 | 157 | 76 | 154 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 560 | 74 | 46 | 192 | 42 | 119 | 89 | 79 | 92 | 57 | 65 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 570 | 111 | 136 | 121 | 124 | 133 | 154 | 127 | 122 | 97 | 114 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 580 | 84 | 102 | 106 | 91 | 82 | 91 | 122 | 141 | 100 | 143 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 590 | 41 | 91 | 106 | 151 | 174 | 151 | 110 | 82 | 108 | 36 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 7 |
| 600 | 132 | 110 | 97 | 70 | 107 | 109 | 63 | 61 | 116 | 105 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 610 | 75 | 36 | 110 | 74 | 54 | 22 | 62 | 95 | 124 | 94 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 620 | 22 | 186 | 159 | 118 | 80 | 72 | 77 | 118 | 130 | 114 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 630 | 16 | 80 | 87 | 55 | 90 | 124 | 171 | 120 | 99 | 68 | 9 | 9 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 |
| 640 | 116 | 168 | 121 | 144 | 88 | 25 | 62 | 67 | 74 | 129 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 650 | 112 | 98 | 103 | 121 | 59 | 99 | 136 | 129 | 67 | 92 | 10 | 11 | 11 | 11 | 12 | 11 | 11 | 11 | 11 | 11 |
| 660 | 52 | 89 | 94 | 78 | 71 | 129 | 154 | 140 | 125 | 89 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| 670 | 103 | 91 | 104 | 155 | 87 | 99 | 123 | 61 | 89 | 138 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 |
| 680 | 104 | 95 | 107 | 141 | 164 | 140 | 64 | 77 | 121 | 172 | 14 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 |
| 690 | 72 | 131 | 74 | 124 | 97 | 142 | 87 | 128 | 98 | 95 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 700 | 104 | 98 | 105 | 100 | 27 | 70 | 34 | 54 | 106 | 54 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 710 | 96 | 79 | 40 | 96 | 153 | 138 | 88 | 82 | 79 | 159 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 720 | 170 | 89 | 92 | 58 | 50 | 131 | 120 | 176 | 173 | 162 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 730 | 155 | 139 | 93 | 101 | 112 | 92 | 99 | 112 | 31 | 68 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 740 | 119 | 46 | 43 | 71 | 67 | 96 | 78 | 109 | 62 | 101 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 750 | 83 | 42 | 58 | 97 | 103 | 104 | 90 | 69 | 105 | 116 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 |
| 760 | 44 | 65 | 65 | 76 | 71 | 134 | 157 | 117 | 148 | 105 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 770 | 83 | 118 | 182 | 104 | 56 | 85 | 126 | 134 | 86 | 57 | 13 | 13 | 13 | 13 | 10 | 10 | 10 | 9 | 9 | 9 |
| 780 | 127 | 106 | 45 | 117 | 147 | 159 | 117 | 162 | 81 | 72 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 9 | 9 | 9 |
| 790 | 110 | 104 | 122 | 123 | 110 | 52 | 44 | 48 | 90 | 77 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 7 | 7 |
| 800 | 124 | 99 | 120 | 130 | 194 | 147 | 135 | 71 | 66 | 10 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 810 | 82 | 96 | 121 | 120 | 76 | 110 | 73 | 59 | 60 | 62 | 6 | 6 | 8 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 820 | 179 | 201 | 178 | 69 | 81 | 58 | 147 | 119 | 139 | 48 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 830 | 47 | 150 | 104 | 98 | 107 | 100 | 105 | 31 | 88 | 86 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 840 | 22 | 82 | 97 | 140 | 135 | 135 | 88 | 34 | 138 | 65 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 850 | 72 | 43 | 103 | 118 | 113 | 89 | 135 | 91 | 106 | 81 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 860 | 97 | 99 | 135 | 147 | 141 | 51 | 128 | 51 | 63 | 131 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 870 | 60 | 105 | 90 | 120 | 126 | 116 | 110 | 27 | 30 | 46 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 6 |
| 880 | 102 | 128 | 112 | 100 | 88 | 99 | 114 | 110 | 96 | 118 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 890 | 109 | 96 | 75 | 121 | 97 | 86 | 85 | 148 | 162 | 185 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 900 | 116 | 85 | 90 | 84 | 47 | 117 | 66 | 23 | 101 | 100 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 910 | 83 | 163 | 74 | 105 | 105 | 75 | 56 | 132 | 149 | 194 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| 920 | 81 | 123 | 91 | 96 | 96 | 149 | 118 | 96 | 154 | 115 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 930 | 52 | 80 | 105 | 94 | 72 | 97 | 108 | 35 | 71 | 92 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 940 | 129 | 156 | 128 | 100 | 113 | 131 | 140 | 138 | 123 | 121 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 8 | 7 |
| 950 | 137 | 84 | 132 | 70 | 26 | 121 | 145 | 57 | 91 | 136 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 960 | 152 | 133 | 99 | 154 | 94 | 131 | 138 | 113 | 86 | 63 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 970 | 106 | 75 | 18 | 119 | 72 | 30 | 69 | 126 | 81 | 106 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 980 | 19 | 38 | 93 | 97 | 53 | 119 | 142 | 131 | 161 | 154 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 990 | 79 | 32 | 88 | 50 | 109 | 57 | 154 | 76 | 127 | 63 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1000 | 116 | 74 | 70 | 76 | 111 | 18 | 88 | 105 | 99 | 54 | 8 | 8 | 8 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |
| 1010 | 85 | 99 | 123 | 120 | 109 | 137 | 162 | 161 | 97 | 64 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 8 | 8 |
| 1020 | 129 | 140 | 89 | 82 | 138 | 91 | 141 | 115 | 107 | 133 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1030 | 105 | 95 | 116 | 80 | 106 | 29 | 43 | 76 | 102 | 64 | 9 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1040 | 73 | 25 | 74 | 99 | 50 | 77 | 67 | 114 | 77 | 101 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1050 | 139 | 116 | 147 | 102 | 148 | 105 | 142 | 146 | 132 | 87 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1060 | 115 | 116 | 103 | 143 | 185 | 202 | 137 | 27 | 73 | 80 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1070 | 158 | 134 | 121 | 135 | 96 | 130 | 159 | 179 | 97 | 135 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 10 | 10 |
| 1080 | 136 | 55 | 62 | 73 | 90 | 48 | 14 | 89 | 93 | 86 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1090 | 27 | 10 | 95 | 50 | 40 | 79 | 58 | 41 | 64 | 28 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1100 | 80 | 44 | 53 | 90 | 55 | 83 | 73 | 64 | 101 | 165 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1110 | 148 | 153 | 143 | 101 | 159 | 165 | 183 | 161 | 208 | 143 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 6 | 4 |
| 1120 | 101 | 8 | 129 | 66 | 175 | 116 | 100 | 104 | 142 | 155 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 1130 | 121 | 53 | 70 | 91 | 57 | 115 | 112 | 123 | 83 | 116 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 1140 | 89 | 127 | 121 | 61 | 43 | 108 | 73 | 91 | 91 | 56 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1150 | 26 | 30 | 146 | 73 | 92 | 131 | 38 | 74 | 25 | 99 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1160 | 143 | 31 | 154 | 174 | 77 | 114 | 138 | 131 | 66 | 28 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 |
| 1170 | 60 | 94 | 130 | 144 | 118 | 55 | 82 | 92 | 92 | 118 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1180 | 129 | 123 | 119 | 105 | 158 | 126 | 62 | 70 | 79 | 70 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1190 | 133 | 85 | 80 | 92 | 132 | 136 | 134 | 139 | 91 | 97 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 1200 | 104 | 113 | 138 | 112 | 143 | 113 | 73 | 103 | 128 | 173 | 9 | 9 | 10 | 11 | 11 | 11 | 10 | 10 | 11 | 11 |
| 1210 | 152 | 101 | 61 | 66 | 74 | 65 | 35 | 33 | 86 | 115 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1220 | 66 | 68 | 98 | 107 | 125 | 87 | 101 | 25 | 129 | 122 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 9 | 9 |
| 1230 | 108 | 105 | 145 | 99 | 95 | 118 | 96 | 131 | 154 | 136 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 1240 | 116 | 196 | 152 | 143 | 124 | 124 | 62 | 80 | 129 | 159 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1250 | 75 | 39 | 98 | 145 | 30 | 119 | 85 | 116 | 13 | 153 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1260 | 147 | 124 | 123 | 63 | 51 | 85 | 89 | 80 | 51 | 125 | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1270 | 85 | 104 | 108 | 50 | 62 | 153 | 52 | 89 | 70 | 138 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 2 | 1 | 1 |
| 1280 | 52 | 75 | 133 | 74 | 999 | 999 | 999 | 999 | 999 | 999 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1470 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1480 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1490 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 | 999 | 999 | 51 | 29 | 37 | 44 | 48 | 22 | 37 | 35 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1510 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1520 | 24 | 42 | 2 | 24 | 52 | 48 | 52 | 17 | 17 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1530 | 63 | 94 | 18 | 31 | 50 | 68 | 88 | 116 | 76 | 120 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1540 | 123 | 111 | 5 | 133 | 40 | 29 | 74 | 17 | 52 | 114 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1550 | 111 | 212 | 100 | 52 | 55 | 131 | 155 | 70 | 79 | 74 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

9 PUERCO VALLEY ID 500300
CENTRAL LAT 35 DEG 25 MIN, LONG 109 DEG 25 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PNN, LIVING - PNN

| | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1560 | 46 | 40 | 40 | 140 | 120 | 229 | 92 | 64 | 106 | 98 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 1570 | 60 | 38 | 114 | 63 | 68 | 78 | 86 | 109 | 100 | 19 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1580 | 33 | 170 | 141 | 65 | 28 | 0 | 54 | 81 | 102 | 82 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1590 | 17 | 53 | 22 | 76 | 312 | 229 | 227 | 163 | 121 | 170 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1600 | 17 | 24 | 99 | 74 | 68 | 117 | 107 | 114 | 91 | 100 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 5 |
| 1610 | 129 | 128 | 88 | 53 | 72 | 81 | 97 | 157 | 154 | 89 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 1620 | 129 | 187 | 134 | 74 | 71 | 115 | 17 | 105 | 86 | 130 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |
| 1630 | 143 | 106 | 59 | 136 | 131 | 140 | 86 | 64 | 52 | 83 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1640 | 114 | 119 | 84 | 94 | 115 | 117 | 107 | 127 | 45 | 116 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1650 | 150 | 149 | 134 | 118 | 58 | 91 | 136 | 75 | 64 | 122 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1660 | 129 | 116 | 99 | 111 | 96 | 100 | 62 | 51 | 41 | 54 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1670 | 10 | 81 | 98 | 117 | 128 | 81 | 50 | 112 | 117 | 87 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1680 | 161 | 136 | 151 | 143 | 67 | 31 | 106 | 114 | 114 | 127 | 8 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1690 | 116 | 125 | 168 | 124 | 130 | 134 | 92 | 90 | 101 | 122 | 12 | 12 | 13 | 13 | 13 | 14 | 15 | 16 | 16 | 16 |
| 1700 | 68 | 122 | 97 | 81 | 72 | 118 | 152 | 75 | 50 | 102 | 17 | 17 | 16 | 17 | 17 | 17 | 18 | 18 | 17 | 17 |
| 1710 | 121 | 104 | 81 | 41 | 85 | 70 | 73 | 80 | 122 | 108 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1720 | 171 | 118 | 132 | 130 | 80 | 151 | 178 | 146 | 76 | 30 | 20 | 20 | 20 | 20 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1730 | 92 | 98 | 125 | 107 | 93 | 16 | 65 | 67 | 97 | 54 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1740 | 84 | 101 | 71 | 133 | 94 | 166 | 160 | 183 | 29 | 149 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1750 | 99 | 98 | 57 | 52 | 107 | 55 | 95 | 120 | 153 | 122 | 21 | 20 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 19 |
| 1760 | 137 | 63 | 95 | 20 | 103 | 36 | 125 | 103 | 133 | 92 | 19 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1770 | 80 | 99 | 119 | 57 | 106 | 103 | 100 | 37 | 23 | 92 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1780 | 75 | 84 | 76 | 105 | 174 | 60 | 128 | 187 | 83 | 99 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 20 | 20 |
| 1790 | 66 | 141 | 141 | 154 | 140 | 125 | 131 | 86 | 113 | 103 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1800 | 109 | 53 | 92 | 51 | 121 | 59 | 10 | 119 | 66 | 85 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1810 | 51 | 34 | 86 | 75 | 88 | 121 | 144 | 120 | 0 | 22 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1820 | 3 | 36 | 2 | 26 | 77 | 99 | 118 | 97 | 170 | 88 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1830 | 116 | 91 | 44 | 140 | 99 | 144 | 119 | 168 | 182 | 194 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1840 | 182 | 94 | 67 | 92 | 142 | 76 | 87 | 1 | 84 | 190 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1850 | 163 | 61 | 153 | 118 | 64 | 104 | 108 | 49 | 127 | 85 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1860 | 27 | 4 | 108 | 50 | 40 | 134 | 160 | 202 | 194 | 139 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1870 | 92 | 45 | 33 | 48 | 78 | 61 | 66 | 78 | 77 | 41 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1880 | 20 | 10 | 59 | 32 | 85 | 99 | 80 | 51 | 88 | 94 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1890 | 90 | 121 | 102 | 82 | 57 | 101 | 65 | 94 | 77 | 34 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1900 | 10 | 72 | 1 | 96 | 21 | 124 | 139 | 160 | 106 | 129 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1910 | 173 | 191 | 153 | 136 | 205 | 190 | 235 | 175 | 109 | 168 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1920 | 193 | 139 | 109 | 78 | 127 | 127 | 132 | 150 | 53 | 114 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 114 | 114 | 159 | 109 | 73 | 115 | 79 | 162 | 125 | 138 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 107 | 199 | 195 | 118 | 134 | 163 | 64 | 70 | 126 | 150 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 65 | 16 | 129 | 71 | 89 | 72 | 40 | 100 | 82 | 10 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 97 | 74 | 110 | 73 | 53 | 165 | 112 | 63 | 124 | 150 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1970 | 110 | 58 | 104 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .321 STANDARD DEVIATION = .388 MEAN SENSITIVITY = .414 N = 558
SERIAL CORRELATION = .445 STANDARD DEVIATION = .470 MEAN SENSITIVITY = .491 N = 461

10 CANYON DE CHELLY ID 800001
CENTRAL LAT 36 DEG 10 MIN, LONG 109 DEG 25 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN OF PP, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | 999 | 48 | 34 | 28 | 96 | 44 | 78 | 78 | 173 | 144 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | 158 | 137 | 57 | 47 | 5 | 43 | 35 | 77 | 78 | 147 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20 | 120 | 159 | 165 | 17 | 68 | 34 | 67 | 89 | 131 | 123 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | 168 | 94 | 65 | 125 | 39 | 92 | 50 | 55 | 141 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 40 | 114 | 111 | 33 | 117 | 114 | 105 | 172 | 56 | 52 | 39 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 50 | 38 | 113 | 80 | 74 | 138 | 67 | 93 | 93 | 216 | 191 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 | 123 | 181 | 222 | 117 | 170 | 16 | 230 | 46 | 156 | 67 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70 | 86 | 37 | 114 | 46 | 117 | 101 | 97 | 156 | 127 | 203 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 80 | 26 | 110 | 86 | 67 | 166 | 83 | 11 | 153 | 102 | 163 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 90 | 151 | 169 | 115 | 122 | 95 | 131 | 194 | 192 | 167 | 203 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 100 | 112 | 101 | 90 | 111 | 165 | 198 | 150 | 91 | 124 | 42 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 110 | 123 | 96 | 131 | 185 | 204 | 149 | 100 | 63 | 111 | 120 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 120 | 102 | 80 | 132 | 22 | 110 | 38 | 77 | 89 | 91 | 90 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 130 | 121 | 12 | 89 | 84 | 53 | 35 | 117 | 32 | 115 | 121 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 140 | 113 | 108 | 137 | 113 | 131 | 44 | 155 | 59 | 133 | 52 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 150 | 23 | 48 | 68 | 107 | 54 | 111 | 120 | 81 | 72 | 99 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 160 | 62 | 98 | 29 | 85 | 70 | 38 | 93 | 75 | 75 | 33 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 170 | 160 | 173 | 86 | 87 | 82 | 68 | 108 | 139 | 99 | 100 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 180 | 83 | 99 | 86 | 85 | 79 | 76 | 59 | 64 | 108 | 42 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 190 | 66 | 77 | 105 | 113 | 67 | 88 | 77 | 109 | 86 | 74 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 200 | 57 | 33 | 63 | 133 | 136 | 93 | 161 | 61 | 103 | 104 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 210 | 75 | 93 | 138 | 139 | 95 | 82 | 116 | 66 | 97 | 85 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 220 | 109 | 116 | 98 | 98 | 94 | 61 | 102 | 104 | 134 | 93 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 230 | 97 | 83 | 168 | 171 | 140 | 71 | 26 | 80 | 87 | 129 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 240 | 132 | 130 | 91 | 89 | 62 | 33 | 97 | 68 | 103 | 66 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 250 | 97 | 98 | 76 | 27 | 113 | 121 | 86 | 77 | 17 | 96 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 260 | 83 | 65 | 65 | 142 | 104 | 53 | 160 | 157 | 180 | 160 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 270 | 69 | 193 | 160 | 127 | 62 | 80 | 138 | 183 | 140 | 18 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 280 | 56 | 147 | 132 | 155 | 152 | 131 | 49 | 129 | 121 | 153 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 290 | 45 | 36 | 86 | 75 | 23 | 153 | 139 | 86 | 91 | 137 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 300 | 92 | 134 | 18 | 146 | 233 | 140 | 101 | 81 | 58 | 96 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| 310 | 82 | 122 | 90 | 46 | 108 | 95 | 96 | 145 | 86 | 180 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 320 | 16 | 76 | 81 | 98 | 53 | 63 | 33 | 35 | 97 | 123 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 330 | 151 | 154 | 136 | 74 | 163 | 80 | 135 | 128 | 166 | 159 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| 340 | 89 | 46 | 56 | 64 | 40 | 83 | 130 | 131 | 137 | 147 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 350 | 127 | 153 | 147 | 96 | 146 | 145 | 140 | 142 | 144 | 96 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 10 |
| 360 | 106 | 61 | 37 | 73 | 71 | 53 | 88 | 119 | 109 | 46 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 |
| 370 | 23 | 146 | 132 | 108 | 164 | 103 | 110 | 98 | 83 | 139 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 |
| 380 | 91 | 112 | 99 | 74 | 112 | 46 | 90 | 93 | 107 | 93 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 |
| 390 | 104 | 85 | 52 | 43 | 108 | 21 | 63 | 131 | 71 | 82 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 400 | 75 | 96 | 125 | 79 | 118 | 121 | 127 | 119 | 131 | 114 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 410 | 97 | 114 | 130 | 118 | 145 | 147 | 118 | 151 | 91 | 82 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 420 | 84 | 128 | 146 | 27 | 110 | 65 | 49 | 41 | 91 | 61 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 430 | 122 | 14 | 111 | 134 | 134 | 111 | 150 | 146 | 91 | 67 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 |
| 440 | 104 | 136 | 123 | 123 | 143 | 153 | 72 | 31 | 108 | 40 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 450 | 152 | 113 | 68 | 64 | 103 | 10 | 41 | 20 | 108 | 136 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 460 | 120 | 54 | 121 | 54 | 139 | 152 | 81 | 78 | 99 | 54 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 470 | 132 | 97 | 61 | 65 | 63 | 153 | 105 | 154 | 123 | 102 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| 480 | 75 | 101 | 139 | 102 | 144 | 103 | 109 | 143 | 95 | 145 | 9 | 9 | 9 | 9 | 7 | 9 | 8 | 9 | 9 | 9 |
| 490 | 145 | 76 | 110 | 46 | 140 | 148 | 170 | 164 | 160 | 156 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 6 | 6 | 6 |
| 500 | 97 | 127 | 116 | 141 | 149 | 126 | 96 | 67 | 48 | 114 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 510 | 152 | 75 | 63 | 48 | 77 | 36 | 33 | 38 | 79 | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 520 | 59 | 46 | 151 | 166 | 77 | 43 | 20 | 96 | 118 | 85 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 530 | 184 | 58 | 125 | 107 | 120 | 63 | 26 | 126 | 119 | 99 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 540 | 162 | 62 | 21 | 25 | 106 | 79 | 93 | 143 | 156 | 190 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 550 | 121 | 156 | 167 | 82 | 23 | 134 | 130 | 110 | 59 | 80 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| 560 | 58 | 50 | 77 | 42 | 65 | 62 | 101 | 118 | 34 | 70 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 570 | 111 | 134 | 141 | 140 | 149 | 162 | 140 | 97 | 70 | 90 | 6 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 |
| 580 | 95 | 104 | 123 | 109 | 66 | 132 | 155 | 179 | 89 | 176 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| 590 | 78 | 58 | 98 | 127 | 127 | 151 | 96 | 91 | 90 | 91 | 9 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 |
| 600 | 146 | 136 | 110 | 74 | 66 | 105 | 59 | 75 | 130 | 118 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 610 | 75 | 31 | 90 | 69 | 54 | 25 | 66 | 71 | 81 | 46 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 620 | 18 | 141 | 165 | 154 | 162 | 110 | 75 | 94 | 129 | 123 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |
| 630 | 23 | 118 | 94 | 65 | 58 | 107 | 176 | 183 | 140 | 72 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 640 | 91 | 143 | 126 | 125 | 104 | 49 | 70 | 76 | 92 | 129 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 |
| 650 | 88 | 37 | 99 | 110 | 100 | 144 | 125 | 119 | 73 | 113 | 11 | 11 | 11 | 11 | 11 | 10 | 9 | 9 | 8 | 8 |
| 660 | 41 | 65 | 87 | 24 | 28 | 156 | 124 | 163 | 124 | 56 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 670 | 83 | 88 | 104 | 161 | 138 | 152 | 129 | 51 | 52 | 109 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 680 | 90 | 101 | 139 | 130 | 105 | 121 | 42 | 67 | 128 | 165 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 |
| 690 | 120 | 140 | 61 | 97 | 59 | 140 | 98 | 94 | 88 | 65 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 700 | 66 | 134 | 57 | 70 | 7 | 48 | 51 | 49 | 103 | 70 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 5 | 5 | 6 |
| 710 | 77 | 30 | 42 | 91 | 84 | 97 | 77 | 68 | 71 | 102 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 720 | 112 | 110 | 86 | 56 | 62 | 135 | 128 | 169 | 158 | 108 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 730 | 216 | 134 | 125 | 115 | 102 | 92 | 76 | 110 | 127 | 93 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 |
| 740 | 127 | 89 | 61 | 132 | 67 | 143 | 130 | 121 | 91 | 116 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 750 | 98 | 47 | 75 | 103 | 67 | 81 | 87 | 52 | 88 | 126 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 760 | 106 | 85 | 75 | 80 | 80 | 146 | 162 | 98 | 154 | 83 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 770 | 96 | 58 | 140 | 107 | 51 | 61 | 128 | 99 | 34 | 20 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 780 | 132 | 138 | 88 | 141 | 142 | 139 | 104 | 123 | 79 | 125 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 790 | 106 | 94 | 126 | 148 | 95 | 41 | 99 | 66 | 126 | 122 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 800 | 201 | 119 | 110 | 113 | 146 | 141 | 127 | 58 | 75 | 44 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 810 | 123 | 171 | 122 | 159 | 98 | 113 | 79 | 23 | 63 | 87 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 820 | 211 | 161 | 169 | 34 | 65 | 30 | 110 | 62 | 147 | 25 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 6 | 3 |
| 830 | 36 | 133 | 51 | 97 | 73 | 76 | 80 | 89 | 85 | 85 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 840 | 19 | 92 | 81 | 129 | 96 | 98 | 73 | 24 | 105 | 34 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 850 | 108 | 66 | 148 | 158 | 133 | 94 | 149 | 72 | 165 | 88 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 860 | 124 | 125 | 112 | 105 | 133 | 39 | 110 | 46 | 50 | 145 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 870 | 86 | 111 | 129 | 130 | 126 | 114 | 175 | 96 | 32 | 62 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 880 | 73 | 146 | 96 | 73 | 64 | 114 | 128 | 151 | 116 | 106 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 890 | 87 | 74 | 67 | 102 | 72 | 65 | 121 | 169 | 164 | 217 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 900 | 116 | 106 | 79 | 84 | 43 | 105 | 50 | 25 | 95 | 87 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 910 | 100 | 142 | 65 | 92 | 109 | 82 | 33 | 88 | 108 | 146 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |
| 920 | 64 | 107 | 66 | 45 | 18 | 97 | 77 | 107 | 150 | 120 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 930 | 46 | 119 | 145 | 127 | 73 | 79 | 85 | 42 | 89 | 113 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 940 | 132 | 152 | 153 | 137 | 132 | 152 | 154 | 123 | 151 | 147 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| 950 | 131 | 90 | 123 | 66 | 35 | 56 | 113 | 54 | 77 | 107 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 960 | 152 | 114 | 89 | 140 | 89 | 112 | 108 | 60 | 102 | 58 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 970 | 77 | 83 | 24 | 139 | 102 | 84 | 50 | 126 | 42 | 80 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 980 | 21 | 34 | 86 | 116 | 85 | 110 | 152 | 146 | 203 | 190 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 990 | 96 | 41 | 81 | 46 | 99 | 60 | 141 | 73 | 94 | 62 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1000 | 109 | 59 | 63 | 83 | 102 | 5 | 102 | 122 | 118 | 61 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1010 | 81 | 80 | 142 | 117 | 64 | 123 | 149 | 139 | 98 | 34 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1020 | 177 | 134 | 79 | 130 | 153 | 101 | 133 | 166 | 113 | 160 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 |
| 1030 | 122 | 87 | 124 | 105 | 148 | 72 | 88 | 102 | 97 | 100 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1040 | 53 | 34 | 94 | 101 | 78 | 103 | 75 | 156 | 44 | 122 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1050 | 122 | 112 | 166 | 93 | 151 | 93 | 122 | 106 | 109 | 80 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1060 | 113 | 162 | 113 | 146 | 148 | 188 | 142 | 78 | 62 | 61 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1070 | 108 | 84 | 105 | 122 | 78 | 121 | 94 | 116 | 66 | 146 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 5 |
| 1080 | 153 | 49 | 85 | 94 | 117 | 29 | 43 | 138 | 127 | 94 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1090 | 45 | 23 | 109 | 76 | 79 | 162 | 69 | 40 | 90 | 62 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1100 | 107 | 39 | 100 | 127 | 103 | 106 | 68 | 28 | 64 | 86 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 1110 | 122 | 113 | 133 | 97 | 101 | 132 | 141 | 115 | 149 | 138 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1120 | 104 | 62 | 123 | 57 | 133 | 119 | 85 | 118 | 148 | 142 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1130 | 157 | 89 | 115 | 120 | 40 | 94 | 105 | 104 | 71 | 133 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |

10 CANYON DE CHELLY ID 800001
CENTRAL LAT 36 DEG 10 MIN, LONG 109 DEG 25 MIN, ELEV 6000 FT
SPECIES: ARCHAEOL - PNN DF PP, LIVING - DF

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1140 | 80 | 140 | 120 | 122 | 85 | 128 | 59 | 94 | 86 | 106 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 |
| 1150 | 45 | 68 | 118 | 60 | 75 | 130 | 68 | 86 | 32 | 130 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1160 | 113 | 25 | 134 | 135 | 66 | 159 | 94 | 151 | 102 | 28 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1170 | 86 | 77 | 79 | 92 | 96 | 17 | 98 | 48 | 92 | 83 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 1180 | 113 | 92 | 62 | 84 | 141 | 78 | 37 | 68 | 67 | 85 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1190 | 127 | 41 | 127 | 97 | 164 | 167 | 137 | 166 | 107 | 104 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 1200 | 143 | 159 | 125 | 121 | 125 | 82 | 72 | 102 | 93 | 128 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1210 | 140 | 151 | 127 | 114 | 83 | 79 | 54 | 27 | 103 | 137 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 |
| 1220 | 140 | 94 | 92 | 137 | 110 | 65 | 111 | 23 | 141 | 138 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 1230 | 140 | 71 | 140 | 103 | 73 | 119 | 103 | 79 | 145 | 119 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1240 | 50 | 113 | 131 | 122 | 82 | 88 | 43 | 73 | 130 | 163 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 |
| 1250 | 107 | 36 | 69 | 110 | 12 | 122 | 128 | 103 | 21 | 151 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1260 | 116 | 83 | 115 | 50 | 76 | 102 | 107 | 120 | 87 | 128 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1270 | 57 | 115 | 116 | 80 | 95 | 153 | 74 | 94 | 33 | 100 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 3 |
| 1280 | 25 | 64 | 91 | 59 | 106 | 64 | 61 | 95 | 23 | 186 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 1290 | 220 | 95 | 33 | 61 | 42 | 49 | 64 | 38 | 152 | 49 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1300 | 121 | 186 | 182 | 171 | 91 | 167 | 80 | 61 | 30 | 68 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1310 | 121 | 57 | 137 | 144 | 76 | 49 | 34 | 999 | 999 | 999 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 100 | 101 | 84 | 101 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1380 | 113 | 139 | 48 | 76 | 89 | 50 | 80 | 78 | 88 | 89 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 1390 | 77 | 79 | 90 | 105 | 116 | 123 | 119 | 98 | 82 | 75 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1400 | 77 | 71 | 75 | 88 | 102 | 105 | 113 | 115 | 85 | 110 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 1410 | 97 | 111 | 101 | 73 | 125 | 81 | 102 | 126 | 94 | 114 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1420 | 131 | 98 | 136 | 104 | 115 | 102 | 127 | 127 | 162 | 156 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 1430 | 123 | 112 | 100 | 98 | 136 | 82 | 75 | 60 | 73 | 77 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1440 | 126 | 135 | 94 | 89 | 93 | 67 | 98 | 124 | 43 | 66 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 1450 | 47 | 102 | 95 | 118 | 109 | 53 | 120 | 55 | 97 | 82 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1460 | 50 | 122 | 122 | 116 | 61 | 121 | 140 | 179 | 164 | 148 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |
| 1470 | 146 | 46 | 53 | 77 | 107 | 75 | 98 | 150 | 97 | 111 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| 1480 | 63 | 81 | 70 | 81 | 107 | 114 | 140 | 128 | 79 | 99 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1490 | 77 | 99 | 120 | 141 | 128 | 33 | 73 | 78 | 113 | 107 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1500 | 71 | 72 | 85 | 88 | 117 | 102 | 68 | 118 | 125 | 146 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1510 | 114 | 162 | 134 | 110 | 133 | 108 | 66 | 58 | 70 | 103 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1520 | 76 | 76 | 51 | 76 | 94 | 76 | 157 | 109 | 90 | 110 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1530 | 141 | 130 | 50 | 123 | 100 | 134 | 143 | 161 | 68 | 136 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1540 | 162 | 133 | 62 | 107 | 89 | 74 | 61 | 61 | 94 | 107 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1550 | 131 | 101 | 135 | 141 | 95 | 191 | 182 | 101 | 104 | 92 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1560 | 103 | 67 | 70 | 118 | 120 | 138 | 103 | 108 | 122 | 132 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1570 | 140 | 72 | 130 | 62 | 112 | 80 | 80 | 75 | 90 | 37 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1580 | 41 | 66 | 53 | 50 | 5 | 22 | 60 | 38 | 72 | 50 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1590 | 32 | 71 | 42 | 75 | 136 | 86 | 99 | 95 | 73 | 79 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| 1600 | 61 | 58 | 76 | 69 | 75 | 83 | 94 | 64 | 96 | 91 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |
| 1610 | 111 | 95 | 86 | 89 | 83 | 109 | 102 | 104 | 156 | 100 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1620 | 146 | 150 | 128 | 68 | 42 | 72 | 36 | 62 | 59 | 86 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 |
| 1630 | 101 | 79 | 86 | 82 | 106 | 94 | 65 | 63 | 93 | 87 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 |
| 1640 | 110 | 105 | 112 | 92 | 124 | 115 | 121 | 108 | 80 | 123 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1650 | 114 | 153 | 116 | 135 | 83 | 150 | 122 | 96 | 94 | 107 | 16 | 16 | 17 | 17 | 17 | 17 | 18 | 18 | 19 | 19 |
| 1660 | 97 | 109 | 83 | 127 | 69 | 138 | 102 | 91 | 52 | 76 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1670 | 38 | 61 | 73 | 103 | 124 | 107 | 90 | 97 | 128 | 71 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1680 | 109 | 139 | 115 | 127 | 79 | 40 | 106 | 99 | 110 | 111 | 20 | 20 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1690 | 115 | 114 | 113 | 153 | 104 | 105 | 63 | 66 | 114 | 117 | 22 | 22 | 22 | 23 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1700 | 45 | 120 | 97 | 107 | 76 | 110 | 119 | 72 | 92 | 76 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1710 | 123 | 111 | 134 | 61 | 125 | 110 | 72 | 65 | 97 | 138 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1720 | 199 | 206 | 132 | 146 | 88 | 171 | 188 | 160 | 61 | 13 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 17 |
| 1730 | 55 | 72 | 88 | 95 | 65 | 33 | 77 | 58 | 74 | 43 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 19 | 19 |
| 1740 | 42 | 74 | 59 | 131 | 131 | 145 | 214 | 239 | 96 | 168 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1750 | 121 | 96 | 75 | 20 | 57 | 39 | 40 | 54 | 67 | 99 | 20 | 20 | 20 | 20 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1760 | 108 | 90 | 92 | 85 | 117 | 90 | 147 | 121 | 140 | 116 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1770 | 96 | 136 | 114 | 55 | 89 | 54 | 50 | 49 | 42 | 66 | 22 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1780 | 31 | 56 | 53 | 98 | 128 | 105 | 95 | 128 | 53 | 61 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1790 | 29 | 112 | 126 | 126 | 105 | 73 | 102 | 144 | 122 | 133 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1800 | 121 | 57 | 121 | 120 | 139 | 79 | 62 | 115 | 84 | 79 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1810 | 33 | 67 | 98 | 52 | 78 | 102 | 165 | 133 | 40 | 37 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1820 | 25 | 116 | 25 | 57 | 71 | 97 | 103 | 108 | 145 | 79 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1830 | 119 | 115 | 53 | 128 | 87 | 154 | 122 | 144 | 161 | 205 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1840 | 164 | 102 | 48 | 76 | 125 | 95 | 76 | 19 | 105 | 116 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1850 | 143 | 63 | 128 | 143 | 119 | 178 | 136 | 98 | 152 | 118 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1860 | 71 | 70 | 94 | 91 | 76 | 99 | 130 | 176 | 150 | 199 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1870 | 156 | 145 | 57 | 83 | 93 | 62 | 91 | 105 | 117 | 136 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1880 | 102 | 77 | 100 | 108 | 110 | 114 | 99 | 67 | 122 | 123 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1890 | 139 | 134 | 157 | 77 | 39 | 70 | 42 | 69 | 70 | 29 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 26 | 26 | 26 |
| 1900 | 63 | 60 | 5 | 75 | 54 | 95 | 110 | 135 | 105 | 146 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1910 | 119 | 169 | 198 | 101 | 151 | 180 | 139 | 150 | 91 | 164 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1920 | 189 | 129 | 164 | 101 | 144 | 105 | 160 | 126 | 116 | 99 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1930 | 117 | 124 | 125 | 74 | 83 | 82 | 74 | 113 | 113 | 94 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1940 | 97 | 128 | 147 | 113 | 136 | 113 | 76 | 93 | 131 | 134 | 26 | 26 | 26 | 26 | 26 | 25 | 26 | 26 | 26 | 26 |
| 1950 | 61 | 20 | 98 | 55 | 44 | 55 | 43 | 50 | 69 | 17 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1960 | 75 | 59 | 74 | 89 | 64 | 116 | 113 | 47 | 106 | 94 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1970 | 115 | 75 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .269 STANDARD DEVIATION = .408 MEAN SENSITIVITY = .439 N = 1316
SERIAL CORRELATION = .490 STANDARD DEVIATION = .359 MEAN SENSITIVITY = .325 N = 596

11 MESA VERDE ID 772100
CENTRAL LAT 37 DEG 10 MIN, LONG 109 DEG 30 MIN, ELEV 6800 FT
SPECIES: ARCHAEOL - DF, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 480 | 49 | 60 | 57 | 90 | 154 | 94 | 76 | 140 | 64 | 108 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 490 | 144 | 95 | 91 | 47 | 136 | 95 | 122 | 126 | 144 | 210 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 500 | 41 | 98 | 124 | 151 | 205 | 160 | 161 | 122 | 47 | 146 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 510 | 118 | 86 | 37 | 35 | 81 | 24 | 24 | 31 | 40 | 44 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 520 | 32 | 57 | 148 | 191 | 92 | 84 | 0 | 69 | 127 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 530 | 134 | 116 | 160 | 84 | 126 | 102 | 32 | 109 | 72 | 70 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 540 | 71 | 123 | 54 | 60 | 134 | 27 | 200 | 150 | 64 | 142 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 550 | 109 | 159 | 209 | 126 | 49 | 169 | 111 | 131 | 79 | 136 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 560 | 99 | 52 | 148 | 16 | 72 | 22 | 102 | 112 | 73 | 22 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 570 | 95 | 145 | 160 | 131 | 156 | 186 | 161 | 136 | 62 | 103 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 580 | 60 | 152 | 129 | 89 | 58 | 120 | 86 | 187 | 35 | 195 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 590 | 43 | 71 | 152 | 110 | 114 | 153 | 72 | 22 | 155 | 53 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 600 | 136 | 105 | 53 | 48 | 46 | 156 | 98 | 109 | 156 | 90 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 610 | 64 | 8 | 71 | 55 | 42 | 59 | 62 | 82 | 89 | 32 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 620 | 0 | 114 | 127 | 113 | 89 | 61 | 75 | 124 | 126 | 102 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 630 | 105 | 125 | 84 | 16 | 35 | 108 | 297 | 219 | 154 | 51 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 640 | 52 | 120 | 64 | 111 | 59 | 31 | 0 | 85 | 119 | 122 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 650 | 72 | 23 | 94 | 109 | 193 | 207 | 224 | 77 | 116 | 87 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 660 | 25 | 71 | 36 | 71 | 42 | 88 | 129 | 177 | 69 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 670 | 137 | 92 | 223 | 132 | 49 | 62 | 142 | 41 | 61 | 124 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 680 | 54 | 34 | 102 | 134 | 158 | 151 | 109 | 79 | 151 | 213 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 690 | 156 | 154 | 89 | 111 | 127 | 166 | 116 | 122 | 108 | 116 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 700 | 98 | 135 | 101 | 88 | 37 | 80 | 27 | 24 | 67 | 12 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 710 | 60 | 70 | 66 | 77 | 110 | 115 | 94 | 35 | 30 | 117 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 720 | 139 | 88 | 75 | 91 | 50 | 137 | 103 | 145 | 116 | 114 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 730 | 159 | 167 | 106 | 220 | 113 | 95 | 132 | 142 | 16 | 78 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 740 | 110 | 116 | 30 | 112 | 88 | 92 | 115 | 107 | 32 | 113 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 750 | 77 | 24 | 114 | 120 | 126 | 100 | 38 | 19 | 129 | 104 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 760 | 49 | 140 | 60 | 84 | 65 | 111 | 125 | 52 | 145 | 107 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 770 | 97 | 82 | 139 | 93 | 66 | 74 | 103 | 91 | 71 | 73 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 780 | 132 | 106 | 33 | 127 | 111 | 133 | 125 | 131 | 75 | 152 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 790 | 135 | 123 | 137 | 87 | 184 | 73 | 178 | 13 | 192 | 169 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 800 | 176 | 54 | 172 | 227 | 134 | 100 | 91 | 69 | 47 | 3 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 |
| 810 | 122 | 74 | 74 | 124 | 164 | 128 | 107 | 59 | 53 | 26 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| 820 | 148 | 165 | 156 | 30 | 85 | 58 | 113 | 69 | 123 | 34 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 830 | 46 | 109 | 105 | 70 | 75 | 45 | 131 | 79 | 106 | 80 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 840 | 25 | 38 | 56 | 112 | 51 | 110 | 74 | 37 | 98 | 74 | 10 | 10 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| 850 | 102 | 72 | 177 | 158 | 176 | 137 | 167 | 51 | 160 | 103 | 10 | 10 | 9 | 9 | 9 | 9 | 10 | 11 | 11 | 11 |
| 860 | 137 | 146 | 196 | 59 | 147 | 115 | 76 | 35 | 60 | 145 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 870 | 69 | 113 | 119 | 103 | 108 | 114 | 134 | 46 | 64 | 98 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |
| 880 | 53 | 108 | 94 | 63 | 29 | 112 | 123 | 122 | 100 | 119 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |
| 890 | 130 | 128 | 60 | 105 | 37 | 52 | 173 | 140 | 125 | 201 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 900 | 190 | 97 | 152 | 60 | 77 | 137 | 23 | 25 | 107 | 142 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 910 | 143 | 173 | 157 | 136 | 149 | 127 | 88 | 145 | 121 | 143 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 920 | 101 | 114 | 45 | 24 | 38 | 81 | 90 | 70 | 111 | 120 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 930 | 47 | 103 | 92 | 80 | 93 | 91 | 98 | 47 | 105 | 60 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 940 | 73 | 96 | 124 | 98 | 121 | 97 | 139 | 127 | 146 | 122 | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 18 | 18 | 18 |
| 950 | 124 | 86 | 129 | 74 | 62 | 49 | 145 | 50 | 51 | 95 | 19 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 960 | 133 | 98 | 134 | 102 | 114 | 84 | 160 | 128 | 98 | 65 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 970 | 107 | 125 | 33 | 190 | 173 | 85 | 82 | 153 | 76 | 92 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 980 | 13 | 15 | 103 | 46 | 59 | 98 | 93 | 173 | 186 | 237 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 990 | 137 | 43 | 90 | 82 | 96 | 98 | 125 | 84 | 100 | 71 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1000 | 97 | 56 | 95 | 75 | 11 | 115 | 109 | 111 | 31 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 19 |
| 1010 | 76 | 85 | 112 | 64 | 90 | 112 | 126 | 127 | 75 | 24 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 18 |
| 1020 | 122 | 113 | 98 | 126 | 154 | 133 | 93 | 113 | 106 | 120 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1030 | 69 | 75 | 45 | 54 | 97 | 54 | 49 | 120 | 84 | 89 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1040 | 101 | 47 | 137 | 88 | 65 | 84 | 49 | 110 | 56 | 124 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1050 | 121 | 78 | 146 | 94 | 123 | 53 | 131 | 105 | 141 | 115 | 19 | 19 | 19 | 19 | 19 | 19 | 17 | 17 | 17 | 17 |
| 1060 | 92 | 119 | 40 | 198 | 175 | 210 | 162 | 76 | 69 | 124 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 15 | 14 | 14 |
| 1070 | 124 | 76 | 124 | 103 | 122 | 123 | 134 | 132 | 118 | 154 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 11 |
| 1080 | 223 | 79 | 79 | 89 | 125 | 29 | 85 | 140 | 142 | 118 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1090 | 18 | 54 | 101 | 46 | 80 | 81 | 96 | 59 | 86 | 51 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 |
| 1100 | 90 | 60 | 137 | 135 | 98 | 119 | 60 | 123 | 103 | 102 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 |
| 1110 | 125 | 95 | 163 | 102 | 157 | 152 | 191 | 209 | 153 | 155 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1120 | 144 | 92 | 190 | 67 | 183 | 129 | 51 | 147 | 163 | 165 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1130 | 101 | 35 | 123 | 45 | 106 | 73 | 75 | 48 | 84 | 83 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1140 | 27 | 85 | 92 | 68 | 85 | 97 | 43 | 50 | 52 | 76 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| 1150 | 13 | 27 | 105 | 80 | 58 | 104 | 34 | 83 | 29 | 135 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1160 | 95 | 28 | 100 | 109 | 57 | 92 | 21 | 69 | 48 | 22 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 |
| 1170 | 62 | 73 | 49 | 65 | 47 | 40 | 52 | 49 | 78 | 43 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1180 | 84 | 190 | 98 | 113 | 202 | 145 | 41 | 142 | 115 | 129 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1190 | 140 | 56 | 132 | 130 | 159 | 174 | 193 | 223 | 112 | 73 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 1200 | 190 | 169 | 75 | 150 | 125 | 64 | 198 | 107 | 94 | 216 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 |
| 1210 | 144 | 131 | 40 | 118 | 98 | 35 | 28 | 37 | 93 | 101 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1220 | 73 | 73 | 109 | 113 | 102 | 121 | 90 | 18 | 78 | 107 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1230 | 91 | 91 | 93 | 95 | 55 | 78 | 55 | 73 | 132 | 141 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 1240 | 93 | 112 | 124 | 85 | 89 | 99 | 68 | 108 | 169 | 150 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1250 | 100 | 93 | 108 | 149 | 14 | 122 | 112 | 117 | 73 | 112 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 1260 | 76 | 102 | 146 | 53 | 114 | 141 | 99 | 120 | 116 | 171 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1270 | 123 | 182 | 137 | 63 | 67 | 106 | 54 | 63 | 37 | 73 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 |
| 1280 | 39 | 81 | 80 | 42 | 69 | 61 | 80 | 74 | 57 | 105 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1290 | 144 | 106 | 73 | 94 | 103 | 28 | 76 | 96 | 124 | 67 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1300 | 92 | 141 | 151 | 144 | 106 | 206 | 105 | 62 | 60 | 179 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1310 | 152 | 129 | 173 | 219 | 107 | 133 | 11 | 87 | 96 | 141 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1320 | 137 | 152 | 102 | 98 | 84 | 100 | 149 | 132 | 104 | 97 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1330 | 153 | 135 | 154 | 196 | 217 | 110 | 172 | 186 | 49 | 127 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1340 | 73 | 97 | 92 | 98 | 80 | 106 | 84 | 61 | 89 | 108 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1350 | 50 | 44 | 70 | 147 | 140 | 102 | 139 | 118 | 140 | 158 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1360 | 94 | 92 | 65 | 59 | 40 | 80 | 112 | 77 | 96 | 82 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1370 | 160 | 98 | 109 | 92 | 137 | 45 | 60 | 69 | 107 | 64 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1380 | 204 | 108 | 209 | 224 | 158 | 120 | 146 | 105 | 114 | 62 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1390 | 20 | 74 | 83 | 80 | 97 | 89 | 60 | 76 | 40 | 49 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1400 | 36 | 41 | 32 | 29 | 65 | 58 | 95 | 77 | 92 | 149 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1410 | 131 | 41 | 121 | 8 | 132 | 48 | 72 | 106 | 68 | 74 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1420 | 79 | 48 | 80 | 57 | 88 | 70 | 120 | 107 | 116 | 108 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1430 | 106 | 108 | 133 | 138 | 85 | 93 | 116 | 106 | 42 | 90 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1440 | 92 | 132 | 50 | 90 | 89 | 68 | 56 | 75 | 80 | 47 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1450 | 33 | 130 | 84 | 104 | 110 | 7 | 93 | 22 | 156 | 77 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1460 | 95 | 55 | 153 | 85 | 16 | 50 | 110 | 143 | 92 | 123 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1470 | 94 | 34 | 73 | 33 | 89 | 47 | 102 | 120 | 103 | 54 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1480 | 27 | 73 | 95 | 99 | 144 | 101 | 118 | 73 | 123 | 124 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1490 | 106 | 196 | 119 | 129 | 120 | 3 | 84 | 79 | 130 | 69 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1500 | 10 | 62 | 109 | 94 | 98 | 25 | 5 | 69 | 66 | 110 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1510 | 25 | 113 | 110 | 117 | 135 | 81 | 20 | 66 | 26 | 108 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1520 | 110 | 54 | 11 | 60 | 55 | 63 | 99 | 105 | 61 | 77 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1530 | 98 | 82 | 7 | 85 | 78 | 76 | 112 | 100 | 51 | 86 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| 1540 | 117 | 89 | 8 | 105 | 52 | 84 | 77 | 44 | 87 | 73 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1550 | 141 | 93 | 94 | 137 | 66 | 77 | 186 | 134 | 96 | 90 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1560 | 122 | 63 | 56 | 120 | 95 | 118 | 61 | 52 | 120 | 80 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1570 | 139 | 100 | 105 | 51 | 42 | 79 | 86 | 74 | 68 | 36 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1580 | 70 | 52 | 38 | 27 | 4 | 2 | 97 | 26 | 96 | 62 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1590 | 11 | 93 | 61 | 63 | 130 | 97 | 77 | 94 | 75 | 107 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 |
| 1600 | 35 | 110 | 97 | 78 | 74 | 127 | 101 | 70 | 142 | 129 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1610 | 164 | 112 | 89 | 133 | 102 | 137 | 147 | 169 | 181 | 91 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 19 |

11 MESA VERDE ID 772100
CENTRAL LAT 37 DEG 10 MIN, LONG 108 DEG 30 MIN, ELEV 6800 FT
SPECIES: ARCHAEOL - DF, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1620 | 164 | 165 | 119 | 63 | 64 | 70 | 46 | 104 | 81 | 121 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1630 | 108 | 104 | 43 | 122 | 104 | 158 | 44 | 67 | 87 | 72 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1640 | 115 | 124 | 103 | 100 | 78 | 82 | 127 | 110 | 50 | 107 | 20 | 20 | 20 | 22 | 22 | 22 | 22 | 22 | 23 | 23 |
| 1650 | 122 | 129 | 66 | 134 | 22 | 145 | 137 | 76 | 64 | 87 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1660 | 112 | 58 | 73 | 61 | 45 | 127 | 52 | 37 | 51 | 55 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1670 | 63 | 91 | 87 | 121 | 129 | 138 | 56 | 102 | 144 | 66 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1680 | 120 | 122 | 139 | 146 | 71 | 14 | 93 | 93 | 105 | 123 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1690 | 150 | 130 | 166 | 130 | 97 | 110 | 66 | 116 | 134 | 164 | 24 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 25 | 25 |
| 1700 | 135 | 170 | 90 | 131 | 83 | 154 | 195 | 78 | 123 | 118 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1710 | 171 | 143 | 144 | 94 | 90 | 114 | 67 | 81 | 132 | 154 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1720 | 222 | 126 | 98 | 155 | 53 | 181 | 145 | 157 | 97 | 11 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1730 | 98 | 84 | 114 | 68 | 149 | 46 | 112 | 84 | 98 | 66 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1740 | 71 | 88 | 81 | 131 | 113 | 146 | 164 | 207 | 47 | 178 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1750 | 111 | 108 | 67 | 76 | 81 | 61 | 90 | 42 | 76 | 90 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1760 | 64 | 79 | 92 | 100 | 109 | 68 | 142 | 50 | 121 | 135 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1770 | 93 | 161 | 121 | 25 | 94 | 78 | 105 | 80 | 57 | 93 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1780 | 53 | 98 | 36 | 146 | 124 | 128 | 86 | 126 | 72 | 69 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1790 | 28 | 138 | 139 | 147 | 87 | 74 | 74 | 110 | 97 | 104 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1800 | 101 | 79 | 134 | 84 | 129 | 61 | 69 | 114 | 51 | 83 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 1810 | 72 | 106 | 112 | 47 | 91 | 123 | 200 | 194 | 37 | 20 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 1820 | 24 | 153 | 75 | 34 | 64 | 97 | 108 | 75 | 115 | 90 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 1830 | 91 | 87 | 143 | 134 | 94 | 130 | 139 | 120 | 147 | 162 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1840 | 192 | 132 | 76 | 148 | 151 | 54 | 137 | 11 | 144 | 136 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1850 | 146 | 51 | 156 | 137 | 107 | 124 | 128 | 91 | 132 | 77 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1860 | 93 | 9 | 146 | 102 | 30 | 109 | 104 | 159 | 131 | 151 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1870 | 50 | 58 | 44 | 92 | 94 | 82 | 50 | 165 | 81 | 84 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1880 | 78 | 79 | 69 | 67 | 105 | 124 | 114 | 53 | 150 | 124 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1890 | 129 | 142 | 122 | 62 | 48 | 86 | 14 | 131 | 103 | 13 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1900 | 59 | 112 | 4 | 119 | 5 | 115 | 115 | 154 | 117 | 161 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1910 | 140 | 148 | 183 | 100 | 181 | 206 | 186 | 190 | 78 | 143 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1920 | 200 | 148 | 167 | 99 | 129 | 89 | 175 | 130 | 144 | 118 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1930 | 108 | 112 | 172 | 84 | 41 | 132 | 79 | 118 | 126 | 109 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1940 | 97 | 130 | 149 | 106 | 116 | 104 | 52 | 115 | 132 | 161 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1950 | 82 | 30 | 134 | 65 | 71 | 92 | 68 | 120 | 132 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1960 | 121 | 90 | 90 | 75 | 85 | 125 | 124 | 77 | 95 | 93 | 28 | 28 | 28 | 26 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1970 | 86 | 92 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .273 STANDARD DEVIATION = .438 MEAN SENSITIVITY = .475 N = 1492

12 CHUSKA VALLEY ID 589000
CENTRAL LAT 36 DEG 20 MIN, LONG 108 DEG 45 MIN, ELEV 5800 FT
SPECIES: ARCHAEOL - PP PNN JUN OF, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 532 | 999 | 999 | 89 | 98 | 97 | 82 | 8 | 99 | 99 | 73 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 540 | 75 | 94 | 16 | 0 | 95 | 88 | 109 | 178 | 130 | 134 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 550 | 85 | 169 | 147 | 91 | 133 | 94 | 138 | 125 | 83 | 100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 560 | 51 | 42 | 137 | 41 | 57 | 36 | 124 | 92 | 36 | 54 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 570 | 82 | 117 | 116 | 115 | 136 | 160 | 162 | 147 | 101 | 107 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 580 | 91 | 127 | 112 | 88 | 48 | 86 | 112 | 125 | 75 | 163 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 590 | 43 | 41 | 146 | 128 | 121 | 125 | 128 | 113 | 108 | 56 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 600 | 171 | 129 | 110 | 86 | 134 | 91 | 138 | 83 | 127 | 99 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 610 | 79 | 55 | 116 | 105 | 70 | 37 | 85 | 85 | 87 | 71 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 620 | 0 | 131 | 108 | 64 | 92 | 89 | 65 | 89 | 92 | 102 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 630 | 44 | 105 | 102 | 92 | 57 | 167 | 217 | 139 | 80 | 60 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 640 | 56 | 165 | 124 | 128 | 92 | 13 | 74 | 100 | 102 | 121 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 650 | 152 | 86 | 95 | 95 | 58 | 129 | 122 | 90 | 101 | 79 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 660 | 52 | 80 | 88 | 69 | 46 | 148 | 117 | 140 | 102 | 70 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 670 | 113 | 124 | 124 | 121 | 147 | 121 | 124 | 89 | 146 | 158 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 680 | 98 | 113 | 137 | 106 | 142 | 76 | 54 | 110 | 119 | 140 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 690 | 63 | 120 | 86 | 128 | 54 | 108 | 53 | 102 | 88 | 58 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 700 | 44 | 96 | 97 | 138 | 86 | 71 | 53 | 84 | 143 | 76 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 710 | 95 | 89 | 52 | 152 | 152 | 137 | 98 | 47 | 23 | 58 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 720 | 116 | 77 | 69 | 67 | 51 | 155 | 96 | 144 | 132 | 103 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 730 | 151 | 141 | 108 | 129 | 126 | 98 | 133 | 133 | 34 | 65 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 740 | 117 | 91 | 37 | 109 | 94 | 130 | 131 | 136 | 45 | 91 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 750 | 76 | 30 | 77 | 105 | 85 | 78 | 85 | 41 | 73 | 111 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 760 | 52 | 96 | 51 | 97 | 73 | 122 | 125 | 88 | 143 | 93 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 770 | 48 | 76 | 147 | 123 | 66 | 83 | 124 | 121 | 103 | 60 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 |
| 780 | 146 | 115 | 38 | 114 | 177 | 164 | 121 | 167 | 117 | 117 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 790 | 118 | 79 | 163 | 141 | 115 | 27 | 55 | 39 | 119 | 103 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 5 |
| 800 | 180 | 93 | 113 | 150 | 146 | 109 | 102 | 57 | 44 | 10 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 810 | 131 | 125 | 163 | 159 | 139 | 131 | 137 | 59 | 45 | 42 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| 820 | 134 | 153 | 191 | 24 | 67 | 46 | 89 | 95 | 107 | 45 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 |
| 830 | 54 | 118 | 105 | 124 | 90 | 98 | 138 | 58 | 96 | 86 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 4 |
| 840 | 33 | 101 | 84 | 157 | 84 | 112 | 65 | 69 | 120 | 96 | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 850 | 81 | 79 | 130 | 87 | 177 | 107 | 116 | 84 | 139 | 102 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 860 | 82 | 92 | 116 | 94 | 89 | 19 | 130 | 32 | 36 | 86 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 870 | 63 | 122 | 113 | 124 | 144 | 156 | 112 | 47 | 30 | 97 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 880 | 110 | 134 | 97 | 72 | 25 | 103 | 157 | 126 | 102 | 111 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 890 | 158 | 84 | 44 | 120 | 17 | 44 | 101 | 119 | 130 | 213 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 900 | 92 | 35 | 115 | 73 | 24 | 114 | 27 | 0 | 102 | 100 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| 910 | 75 | 153 | 109 | 104 | 111 | 88 | 75 | 150 | 138 | 139 | 6 | 6 | 6 | 6 | 8 | 7 | 7 | 7 | 7 | 7 |
| 920 | 98 | 79 | 44 | 26 | 30 | 146 | 120 | 108 | 192 | 126 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 930 | 71 | 152 | 145 | 124 | 119 | 99 | 105 | 18 | 85 | 43 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 940 | 137 | 120 | 122 | 48 | 92 | 104 | 151 | 148 | 103 | 120 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 950 | 116 | 47 | 107 | 49 | 18 | 57 | 128 | 90 | 62 | 166 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 |
| 960 | 174 | 108 | 109 | 141 | 113 | 117 | 132 | 133 | 71 | 45 | 14 | 14 | 14 | 14 | 15 | 15 | 16 | 16 | 16 | 16 |
| 970 | 113 | 124 | 22 | 189 | 144 | 46 | 69 | 143 | 64 | 70 | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 980 | 9 | 77 | 61 | 51 | 130 | 199 | 215 | 235 | 204 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 990 | 115 | 40 | 85 | 56 | 121 | 75 | 150 | 89 | 128 | 75 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1000 | 103 | 57 | 44 | 96 | 99 | 10 | 96 | 159 | 156 | 55 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1010 | 33 | 92 | 116 | 74 | 73 | 155 | 181 | 184 | 105 | 35 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 18 | 18 |
| 1020 | 107 | 86 | 101 | 121 | 166 | 106 | 108 | 106 | 121 | 130 | 20 | 20 | 20 | 20 | 20 | 20 | 19 | 19 | 20 | 20 |
| 1030 | 70 | 75 | 66 | 82 | 95 | 33 | 30 | 90 | 113 | 97 | 20 | 20 | 20 | 20 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1040 | 80 | 21 | 136 | 106 | 65 | 104 | 59 | 116 | 44 | 78 | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 18 |
| 1050 | 118 | 109 | 150 | 98 | 142 | 73 | 100 | 131 | 109 | 97 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 21 | 21 | 22 |
| 1060 | 96 | 133 | 54 | 120 | 151 | 160 | 114 | 23 | 36 | 66 | 22 | 22 | 22 | 22 | 23 | 24 | 25 | 25 | 25 | 25 |
| 1070 | 103 | 95 | 105 | 123 | 96 | 123 | 148 | 145 | 101 | 160 | 25 | 25 | 25 | 26 | 26 | 26 | 26 | 26 | 27 | 27 |
| 1080 | 163 | 65 | 91 | 75 | 101 | 33 | 30 | 131 | 116 | 105 | 27 | 26 | 26 | 26 | 24 | 22 | 22 | 21 | 21 | 19 |
| 1090 | 12 | 15 | 100 | 59 | 51 | 89 | 91 | 71 | 81 | 44 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1100 | 99 | 42 | 120 | 131 | 146 | 144 | 78 | 42 | 58 | 113 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 16 | 16 |
| 1110 | 114 | 140 | 150 | 97 | 143 | 128 | 164 | 159 | 137 | 141 | 15 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 13 | 14 |
| 1120 | 128 | 63 | 153 | 50 | 132 | 104 | 74 | 146 | 161 | 228 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 11 | 9 | 9 |
| 1130 | 115 | 60 | 76 | 80 | 70 | 78 | 102 | 68 | 107 | 126 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1140 | 69 | 112 | 126 | 78 | 77 | 115 | 95 | 67 | 71 | 90 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1150 | 42 | 36 | 98 | 88 | 71 | 105 | 47 | 58 | 53 | 114 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 1160 | 132 | 51 | 119 | 171 | 101 | 146 | 71 | 120 | 94 | 49 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1170 | 89 | 79 | 89 | 81 | 75 | 86 | 67 | 52 | 110 | 79 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1180 | 109 | 125 | 74 | 72 | 157 | 110 | 31 | 87 | 77 | 85 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1190 | 97 | 60 | 56 | 68 | 123 | 169 | 179 | 151 | 92 | 84 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 |
| 1200 | 156 | 134 | 122 | 116 | 124 | 38 | 64 | 119 | 160 | 180 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1210 | 165 | 178 | 146 | 144 | 47 | 72 | 24 | 7 | 54 | 108 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1220 | 44 | 30 | 27 | 114 | 116 | 39 | 117 | 17 | 109 | 111 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1230 | 121 | 89 | 125 | 91 | 106 | 126 | 96 | 90 | 195 | 130 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1240 | 49 | 108 | 136 | 149 | 144 | 107 | 71 | 46 | 168 | 216 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 |
| 1250 | 75 | 34 | 73 | 94 | 2 | 118 | 101 | 125 | 12 | 168 | 11 | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| 1260 | 48 | 115 | 202 | 90 | 999 | 999 | 999 | 999 | 999 | 999 | 9 | 8 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1270 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1280 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1470 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1480 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1490 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1510 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1520 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1530 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1540 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1550 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1560 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1570 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1580 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1590 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1600 | 59 | 41 | 44 | 68 | 82 | 81 | 85 | 91 | 90 | 110 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1610 | 137 | 138 | 151 | 123 | 121 | 109 | 103 | 89 | 92 | 103 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1620 | 122 | 177 | 134 | 60 | 93 | 84 | 58 | 128 | 136 | 148 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1630 | 186 | 162 | 33 | 125 | 120 | 201 | 173 | 155 | 141 | 145 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1640 | 181 | 177 | 92 | 130 | 125 | 119 | 137 | 64 | 40 | 105 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1650 | 118 | 172 | 117 | 88 | 57 | 92 | 70 | 60 | 70 | 113 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1660 | 146 | 108 | 98 | 82 | 43 | 78 | 34 | 43 | 34 | 38 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

12 CHUSKA VALLEY ID 589000
CENTRAL LAT 36 DEG 20 MIN, LONG 108 DEG 45 MIN, ELEV 5800 FT
SPECIES: ARCHAEOL - PP PNN JUN DF, LIVING - PNN

| | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1670 | 22 | 61 | 89 | 118 | 100 | 86 | 96 | 86 | 121 | 113 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| 1680 | 126 | 117 | 135 | 174 | 17 | 3 | 100 | 98 | 117 | 131 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1690 | 135 | 96 | 131 | 134 | 22 | 107 | 57 | 104 | 120 | 144 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| 1700 | 30 | 157 | 114 | 78 | 100 | 128 | 106 | 82 | 82 | 82 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |
| 1710 | 141 | 85 | 78 | 69 | 63 | 125 | 26 | 75 | 119 | 50 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1720 | 170 | 144 | 72 | 65 | 45 | 134 | 160 | 129 | 67 | 12 | 8 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1730 | 95 | 83 | 110 | 62 | 130 | 18 | 74 | 67 | 105 | 50 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1740 | 43 | 70 | 59 | 122 | 69 | 140 | 134 | 144 | 25 | 96 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1750 | 58 | 66 | 16 | 99 | 107 | 52 | 75 | 107 | 114 | 129 | 15 | 15 | 15 | 15 | 15 | 17 | 17 | 17 | 17 | 17 |
| 1760 | 122 | 98 | 105 | 68 | 135 | 92 | 125 | 115 | 135 | 110 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 |
| 1770 | 131 | 132 | 142 | 45 | 99 | 74 | 86 | 28 | 39 | 82 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1780 | 46 | 62 | 86 | 129 | 144 | 80 | 73 | 130 | 51 | 106 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1790 | 125 | 131 | 111 | 140 | 57 | 117 | 117 | 110 | 114 | 123 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1800 | 91 | 119 | 136 | 84 | 112 | 67 | 34 | 109 | 84 | 86 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1810 | 110 | 77 | 84 | 37 | 63 | 80 | 130 | 111 | 17 | 19 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1820 | 34 | 83 | 18 | 50 | 80 | 109 | 116 | 65 | 173 | 63 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1830 | 135 | 152 | 114 | 161 | 72 | 174 | 96 | 155 | 212 | 201 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1840 | 193 | 162 | 46 | 150 | 126 | 59 | 137 | 14 | 89 | 188 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1850 | 143 | 21 | 136 | 129 | 86 | 187 | 128 | 127 | 161 | 61 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1860 | 128 | 53 | 168 | 89 | 30 | 136 | 156 | 177 | 187 | 170 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1870 | 88 | 43 | 17 | 54 | 139 | 100 | 68 | 130 | 67 | 71 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1880 | 44 | 8 | 56 | 54 | 94 | 123 | 34 | 50 | 147 | 121 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1890 | 170 | 143 | 91 | 63 | 26 | 120 | 36 | 133 | 60 | 34 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1900 | 44 | 63 | 2 | 137 | 2 | 169 | 159 | 160 | 101 | 115 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1910 | 73 | 169 | 105 | 28 | 150 | 123 | 128 | 89 | 44 | 155 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1920 | 157 | 98 | 133 | 98 | 152 | 89 | 169 | 104 | 90 | 129 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1930 | 115 | 71 | 144 | 124 | 102 | 137 | 90 | 155 | 137 | 121 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1940 | 122 | 189 | 131 | 21 | 127 | 114 | 8 | 122 | 165 | 138 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1950 | 19 | 0 | 134 | 44 | 13 | 57 | 35 | 112 | 88 | 0 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1960 | 129 | 96 | 147 | 113 | 99 | 170 | 121 | 32 | 99 | 181 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1970 | 151 | 92 | 106 | 220 | 63 | 135 | 61 | 999 | 999 | 999 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 0 | 0 | 0 |

SERIAL CORRELATION = .281 STANDARD DEVIATION = .411 MEAN SENSITIVITY = .452 N = 732
SERIAL CORRELATION = .239 STANDARD DEVIATION = .453 MEAN SENSITIVITY = .520 N = 378

13 CIBOLA ID 400009
CENTRAL LAT 35 DEG 20 MIN, LONG 108 DEG 30 MIN, ELEV 6800 FT
SPECIES: ARCHAEOL - PNN PP JUN OF, LIVING - PP

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 435 | 999 | 999 | 999 | 999 | 999 | 91 | 183 | 180 | 99 | 65 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 440 | 157 | 171 | 97 | 100 | 116 | 129 | 99 | 65 | 96 | 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 450 | 156 | 76 | 46 | 71 | 84 | 36 | 66 | 36 | 137 | 70 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 460 | 61 | 60 | 87 | 68 | 77 | 132 | 105 | 72 | 98 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 470 | 153 | 99 | 55 | 49 | 45 | 99 | 87 | 100 | 103 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 480 | 74 | 77 | 99 | 86 | 95 | 30 | 81 | 128 | 71 | 136 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 490 | 105 | 88 | 88 | 80 | 119 | 191 | 137 | 173 | 242 | 172 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 500 | 97 | 103 | 239 | 157 | 155 | 161 | 123 | 106 | 27 | 128 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 510 | 144 | 113 | 110 | 14 | 133 | 90 | 41 | 21 | 109 | 108 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 520 | 84 | 110 | 141 | 169 | 167 | 74 | 1 | 140 | 114 | 97 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 530 | 114 | 65 | 109 | 124 | 95 | 91 | 46 | 98 | 91 | 68 | 2 | 2 | 4 | 2 | 4 | 2 | 3 | 3 | 3 | 4 |
| 540 | 82 | 140 | 26 | 57 | 150 | 121 | 125 | 181 | 121 | 98 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 550 | 88 | 140 | 122 | 74 | 50 | 109 | 129 | 114 | 75 | 66 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 560 | 61 | 21 | 133 | 38 | 79 | 35 | 94 | 113 | 31 | 77 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 570 | 126 | 155 | 174 | 147 | 166 | 208 | 131 | 141 | 53 | 80 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 580 | 58 | 124 | 150 | 110 | 69 | 109 | 145 | 127 | 52 | 140 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 |
| 590 | 52 | 48 | 129 | 130 | 132 | 107 | 138 | 98 | 127 | 35 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 600 | 97 | 93 | 108 | 33 | 64 | 111 | 80 | 60 | 104 | 82 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |
| 610 | 49 | 18 | 65 | 63 | 98 | 36 | 69 | 132 | 99 | 105 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 |
| 620 | 52 | 167 | 179 | 103 | 139 | 115 | 118 | 177 | 77 | 132 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 630 | 71 | 115 | 121 | 112 | 81 | 115 | 225 | 130 | 91 | 89 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| 640 | 93 | 135 | 91 | 99 | 80 | 50 | 80 | 84 | 76 | 105 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 650 | 135 | 95 | 118 | 101 | 99 | 132 | 115 | 109 | 66 | 103 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 660 | 67 | 54 | 95 | 63 | 97 | 141 | 139 | 125 | 128 | 68 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 670 | 103 | 88 | 118 | 142 | 86 | 127 | 120 | 77 | 72 | 96 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| 680 | 74 | 68 | 81 | 114 | 126 | 105 | 49 | 74 | 121 | 126 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 690 | 83 | 114 | 96 | 140 | 83 | 129 | 77 | 125 | 81 | 85 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 700 | 120 | 89 | 104 | 89 | 42 | 90 | 25 | 44 | 92 | 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 710 | 82 | 73 | 52 | 112 | 122 | 117 | 58 | 87 | 148 | 163 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 720 | 140 | 85 | 126 | 114 | 95 | 152 | 138 | 96 | 82 | 110 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 730 | 140 | 124 | 78 | 118 | 146 | 126 | 135 | 153 | 65 | 106 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 740 | 195 | 83 | 50 | 64 | 70 | 133 | 53 | 138 | 77 | 143 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 750 | 102 | 55 | 98 | 127 | 131 | 122 | 106 | 41 | 123 | 142 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 760 | 47 | 70 | 54 | 87 | 61 | 114 | 121 | 73 | 176 | 80 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 770 | 68 | 118 | 170 | 91 | 80 | 74 | 133 | 142 | 77 | 40 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 780 | 141 | 109 | 25 | 92 | 100 | 126 | 86 | 128 | 73 | 90 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 790 | 88 | 61 | 126 | 84 | 129 | 71 | 57 | 25 | 96 | 101 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 800 | 144 | 103 | 157 | 141 | 149 | 138 | 145 | 95 | 76 | 15 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 |
| 810 | 126 | 98 | 99 | 133 | 59 | 134 | 98 | 89 | 56 | 47 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 8 | 8 |
| 820 | 156 | 212 | 193 | 42 | 38 | 75 | 123 | 128 | 136 | 38 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 830 | 64 | 129 | 89 | 112 | 109 | 92 | 111 | 29 | 39 | 81 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| 840 | 33 | 125 | 93 | 136 | 110 | 140 | 63 | 36 | 120 | 60 | 9 | 10 | 10 | 8 | 8 | 8 | 7 | 7 | 7 | 6 |
| 850 | 53 | 98 | 134 | 98 | 113 | 93 | 167 | 113 | 116 | 82 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 860 | 99 | 62 | 130 | 100 | 89 | 86 | 80 | 46 | 14 | 116 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 870 | 45 | 152 | 111 | 61 | 100 | 97 | 152 | 68 | 45 | 39 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 880 | 69 | 111 | 130 | 165 | 35 | 111 | 123 | 129 | 67 | 93 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 890 | 177 | 121 | 78 | 157 | 57 | 87 | 112 | 124 | 169 | 220 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |
| 900 | 76 | 35 | 95 | 67 | 55 | 127 | 16 | 11 | 107 | 77 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 910 | 40 | 144 | 72 | 119 | 108 | 75 | 95 | 145 | 190 | 174 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 920 | 76 | 119 | 24 | 96 | 56 | 145 | 105 | 82 | 178 | 124 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 |
| 930 | 62 | 106 | 117 | 107 | 34 | 67 | 100 | 38 | 99 | 104 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| 940 | 129 | 132 | 127 | 107 | 148 | 148 | 143 | 157 | 120 | 167 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 950 | 117 | 35 | 90 | 68 | 9 | 92 | 116 | 48 | 80 | 94 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 960 | 151 | 131 | 179 | 147 | 83 | 130 | 174 | 155 | 112 | 71 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| 970 | 157 | 126 | 30 | 164 | 109 | 14 | 94 | 141 | 79 | 109 | 10 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 980 | 10 | 25 | 120 | 84 | 119 | 174 | 170 | 195 | 195 | 177 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 990 | 88 | 17 | 61 | 56 | 174 | 110 | 94 | 84 | 113 | 52 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1000 | 127 | 75 | 92 | 96 | 106 | 2 | 120 | 123 | 137 | 43 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 7 | 7 | 7 |
| 1010 | 96 | 76 | 82 | 62 | 31 | 116 | 136 | 160 | 87 | 45 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1020 | 128 | 93 | 44 | 91 | 134 | 114 | 129 | 114 | 123 | 154 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 1030 | 161 | 102 | 89 | 95 | 90 | 25 | 37 | 93 | 113 | 104 | 5 | 6 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 1040 | 79 | 54 | 114 | 144 | 91 | 126 | 114 | 71 | 12 | 101 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 |
| 1050 | 113 | 38 | 125 | 80 | 108 | 71 | 87 | 121 | 111 | 65 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 1060 | 110 | 143 | 75 | 125 | 140 | 168 | 101 | 18 | 22 | 90 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 1070 | 74 | 91 | 120 | 56 | 74 | 69 | 133 | 155 | 111 | 150 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| 1080 | 106 | 55 | 99 | 49 | 89 | 97 | 60 | 171 | 164 | 80 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1090 | 19 | 37 | 121 | 85 | 72 | 150 | 149 | 58 | 88 | 51 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1100 | 123 | 133 | 150 | 162 | 55 | 102 | 100 | 101 | 85 | 169 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1110 | 136 | 104 | 141 | 105 | 135 | 131 | 161 | 157 | 128 | 135 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |
| 1120 | 96 | 21 | 80 | 77 | 116 | 93 | 65 | 92 | 133 | 152 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1130 | 107 | 68 | 98 | 86 | 40 | 57 | 74 | 72 | 38 | 112 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1140 | 67 | 105 | 136 | 97 | 77 | 19 | 96 | 84 | 84 | 72 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 11 |
| 1150 | 22 | 29 | 119 | 110 | 122 | 138 | 35 | 75 | 72 | 125 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1160 | 113 | 97 | 153 | 155 | 143 | 148 | 141 | 131 | 45 | 65 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1170 | 82 | 154 | 127 | 148 | 97 | 28 | 88 | 37 | 110 | 102 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 11 |
| 1180 | 120 | 100 | 60 | 89 | 135 | 127 | 52 | 131 | 126 | 85 | 11 | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 13 | 13 |
| 1190 | 90 | 90 | 50 | 97 | 95 | 114 | 125 | 133 | 73 | 70 | 14 | 14 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1200 | 126 | 110 | 130 | 118 | 121 | 86 | 64 | 112 | 96 | 118 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1210 | 116 | 110 | 97 | 85 | 48 | 14 | 40 | 4 | 82 | 124 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1220 | 113 | 65 | 76 | 94 | 106 | 116 | 123 | 59 | 118 | 154 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1230 | 123 | 118 | 140 | 92 | 92 | 108 | 85 | 122 | 128 | 121 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1240 | 77 | 123 | 122 | 107 | 137 | 120 | 68 | 106 | 115 | 143 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 |
| 1250 | 66 | 31 | 73 | 92 | 6 | 130 | 101 | 121 | 34 | 155 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 1260 | 90 | 182 | 190 | 114 | 104 | 97 | 171 | 133 | 157 | 63 | 12 | 12 | 12 | 12 | 9 | 8 | 8 | 8 | 8 | 8 |
| 1270 | 103 | 92 | 68 | 98 | 91 | 164 | 76 | 89 | 73 | 110 | 7 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 1280 | 14 | 110 | 92 | 62 | 53 | 42 | 47 | 41 | 0 | 54 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 |
| 1290 | 70 | 36 | 59 | 111 | 98 | 26 | 115 | 94 | 151 | 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1300 | 44 | 90 | 126 | 176 | 109 | 169 | 102 | 52 | 95 | 153 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1310 | 216 | 149 | 159 | 177 | 143 | 94 | 58 | 120 | 145 | 117 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1320 | 100 | 140 | 152 | 137 | 65 | 132 | 148 | 101 | 66 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1330 | 172 | 158 | 144 | 145 | 112 | 50 | 167 | 110 | 55 | 119 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1340 | 52 | 38 | 76 | 73 | 94 | 95 | 82 | 54 | 78 | 107 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1350 | 91 | 98 | 62 | 118 | 127 | 67 | 104 | 143 | 210 | 108 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 1360 | 93 | 89 | 106 | 54 | 68 | 50 | 75 | 80 | 98 | 88 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1370 | 100 | 109 | 110 | 138 | 143 | 112 | 71 | 103 | 89 | 70 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1380 | 123 | 125 | 97 | 111 | 115 | 115 | 124 | 131 | 110 | 80 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1390 | 80 | 86 | 109 | 147 | 110 | 136 | 88 | 54 | 75 | 64 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1400 | 52 | 58 | 69 | 56 | 127 | 110 | 125 | 68 | 108 | 135 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1410 | 85 | 76 | 110 | 91 | 72 | 57 | 77 | 98 | 59 | 83 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1420 | 133 | 65 | 98 | 51 | 98 | 128 | 203 | 158 | 179 | 149 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 1430 | 126 | 161 | 155 | 107 | 144 | 104 | 81 | 99 | 64 | 138 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1440 | 117 | 165 | 73 | 58 | 90 | 70 | 66 | 51 | 47 | 52 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1450 | 55 | 92 | 97 | 120 | 95 | 18 | 59 | 21 | 101 | 94 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1460 | 101 | 109 | 135 | 73 | 27 | 33 | 114 | 156 | 125 | 156 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1470 | 110 | 41 | 62 | 78 | 94 | 54 | 77 | 108 | 100 | 49 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1480 | 27 | 109 | 125 | 124 | 136 | 160 | 158 | 54 | 123 | 110 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1490 | 138 | 175 | 130 | 121 | 128 | 114 | 105 | 75 | 140 | 117 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1500 | 73 | 82 | 121 | 122 | 152 | 106 | 46 | 110 | 122 | 115 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 |
| 1510 | 86 | 110 | 126 | 137 | 131 | 163 | 81 | 31 | 73 | 114 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1520 | 124 | 106 | 58 | 38 | 71 | 84 | 128 | 109 | 101 | 90 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1530 | 107 | 130 | 76 | 94 | 95 | 90 | 125 | 159 | 88 | 112 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1540 | 129 | 110 | 45 | 111 | 117 | 63 | 89 | 89 | 68 | 105 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1550 | 101 | 103 | 101 | 108 | 74 | 76 | 111 | 143 | 144 | 91 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1560 | 95 | 49 | 57 | 95 | 105 | 151 | 95 | 80 | 82 | 80 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

13 CIBOLA ID 400009
CENTRAL LAT 35 DEG 20 MIN, LONG 108 DEG 30 MIN, ELEV 6900 FT
SPECIES: ARCHAEOL - PNN PP JUN DF, LIVING - PP

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1570 | 95 | 85 | 88 | 24 | 60 | 70 | 58 | 101 | 82 | 45 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1580 | 14 | 47 | 50 | 40 | 96 | 11 | 56 | 66 | 85 | 67 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1590 | 46 | 85 | 48 | 30 | 97 | 104 | 121 | 70 | 56 | 115 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 1600 | 50 | 70 | 64 | 85 | 74 | 112 | 82 | 101 | 112 | 132 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1610 | 166 | 162 | 137 | 116 | 127 | 138 | 121 | 185 | 186 | 103 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1620 | 192 | 216 | 149 | 109 | 64 | 61 | 67 | 103 | 90 | 114 | 5 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 |
| 1630 | 125 | 91 | 53 | 119 | 117 | 112 | 102 | 80 | 72 | 104 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 11 |
| 1640 | 125 | 118 | 111 | 122 | 123 | 111 | 101 | 126 | 73 | 89 | 12 | 12 | 12 | 13 | 13 | 14 | 15 | 15 | 15 | 15 |
| 1650 | 108 | 177 | 179 | 89 | 74 | 126 | 146 | 73 | 54 | 74 | 15 | 16 | 16 | 15 | 15 | 16 | 16 | 16 | 16 | 16 |
| 1660 | 99 | 104 | 100 | 115 | 76 | 126 | 83 | 49 | 20 | 41 | 17 | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 16 |
| 1670 | 26 | 68 | 93 | 120 | 104 | 114 | 67 | 73 | 43 | 84 | 18 | 18 | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 21 |
| 1680 | 130 | 135 | 120 | 157 | 42 | 6 | 80 | 88 | 118 | 121 | 26 | 26 | 26 | 26 | 26 | 27 | 27 | 28 | 28 | 28 |
| 1690 | 126 | 92 | 158 | 155 | 125 | 139 | 64 | 127 | 105 | 192 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 1700 | 96 | 184 | 120 | 110 | 66 | 100 | 165 | 87 | 75 | 117 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1710 | 172 | 138 | 147 | 88 | 123 | 87 | 41 | 72 | 123 | 87 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1720 | 205 | 85 | 54 | 124 | 43 | 154 | 183 | 100 | 47 | 5 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 1730 | 68 | 81 | 122 | 42 | 77 | 6 | 36 | 58 | 83 | 29 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1740 | 70 | 69 | 67 | 134 | 64 | 142 | 201 | 213 | 33 | 175 | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1750 | 119 | 62 | 36 | 29 | 109 | 58 | 38 | 57 | 97 | 121 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1760 | 120 | 78 | 111 | 45 | 130 | 53 | 160 | 90 | 158 | 156 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1770 | 127 | 204 | 197 | 56 | 108 | 110 | 98 | 43 | 68 | 61 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1780 | 7 | 76 | 19 | 106 | 154 | 46 | 61 | 138 | 47 | 91 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1790 | 106 | 140 | 156 | 241 | 144 | 119 | 91 | 54 | 70 | 89 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1800 | 38 | 45 | 60 | 35 | 108 | 59 | 20 | 115 | 105 | 96 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1810 | 54 | 88 | 74 | 79 | 105 | 175 | 217 | 155 | 57 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1820 | 38 | 90 | 6 | 10 | 63 | 69 | 60 | 45 | 138 | 68 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1830 | 93 | 74 | 58 | 105 | 101 | 129 | 146 | 143 | 214 | 247 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1840 | 247 | 209 | 99 | 91 | 188 | 64 | 87 | 5 | 90 | 149 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1850 | 138 | 78 | 141 | 111 | 80 | 130 | 119 | 89 | 163 | 81 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1860 | 127 | 14 | 114 | 69 | 24 | 79 | 139 | 141 | 237 | 184 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1870 | 125 | 43 | 47 | 55 | 112 | 100 | 71 | 120 | 78 | 38 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1880 | 5 | 25 | 103 | 103 | 136 | 157 | 117 | 80 | 167 | 124 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1890 | 115 | 142 | 88 | 62 | 34 | 108 | 53 | 63 | 74 | 17 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 |
| 1900 | 1 | 51 | 17 | 47 | 0 | 86 | 112 | 137 | 143 | 108 | 27 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1910 | 119 | 191 | 118 | 77 | 136 | 188 | 265 | 178 | 164 | 207 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1920 | 181 | 159 | 113 | 85 | 149 | 89 | 136 | 114 | 86 | 125 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1930 | 127 | 74 | 128 | 94 | 65 | 85 | 77 | 128 | 107 | 89 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1940 | 79 | 164 | 164 | 109 | 103 | 141 | 88 | 139 | 153 | 222 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1950 | 96 | 8 | 127 | 71 | 84 | 37 | 23 | 94 | 96 | 40 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1960 | 109 | 51 | 120 | 95 | 67 | 161 | 95 | 61 | 122 | 118 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1970 | 98 | 34 | 122 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 26 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .354 STANDARD DEVIATION = .422 MEAN SENSITIVITY = .443 N = 1538

14 QUEMADO ID 777999
CENTRAL LAT 34 DEG 25 MIN, LONG 108 DEG 30 MIN, ELEV 6800 FT
SPECIES: ARCHAEOL - PNN* PP DF, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 441 | 999 | 73 | 69 | 66 | 64 | 127 | 38 | 61 | 110 | 148 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 450 | 125 | 133 | 83 | 80 | 113 | 72 | 41 | 139 | 119 | 146 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 460 | 144 | 113 | 128 | 98 | 146 | 125 | 91 | 64 | 81 | 41 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 470 | 71 | 69 | 52 | 40 | 95 | 106 | 130 | 167 | 97 | 114 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 480 | 98 | 64 | 85 | 94 | 130 | 117 | 51 | 102 | 92 | 117 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 490 | 123 | 105 | 105 | 43 | 103 | 106 | 100 | 136 | 126 | 91 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 9 |
| 500 | 34 | 77 | 135 | 118 | 137 | 104 | 83 | 39 | 75 | 96 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 510 | 159 | 78 | 57 | 60 | 101 | 117 | 113 | 91 | 146 | 192 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |
| 520 | 104 | 115 | 89 | 110 | 91 | 88 | 42 | 95 | 106 | 138 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 14 |
| 530 | 117 | 62 | 144 | 124 | 122 | 112 | 27 | 143 | 121 | 88 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 540 | 139 | 129 | 30 | 34 | 134 | 83 | 94 | 170 | 124 | 126 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 550 | 104 | 143 | 129 | 131 | 52 | 107 | 119 | 126 | 87 | 75 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 15 |
| 560 | 83 | 13 | 101 | 57 | 78 | 54 | 43 | 52 | 35 | 95 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 570 | 96 | 57 | 72 | 108 | 177 | 202 | 162 | 147 | 72 | 126 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 14 |
| 580 | 122 | 164 | 130 | 153 | 104 | 67 | 132 | 88 | 103 | 109 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 |
| 590 | 48 | 73 | 111 | 103 | 155 | 101 | 103 | 132 | 108 | 68 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 |
| 600 | 120 | 138 | 80 | 84 | 142 | 67 | 89 | 67 | 64 | 82 | 14 | 14 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 610 | 44 | 35 | 119 | 78 | 26 | 26 | 54 | 81 | 112 | 96 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 620 | 36 | 203 | 186 | 134 | 119 | 50 | 78 | 73 | 140 | 124 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 630 | 68 | 118 | 93 | 121 | 96 | 180 | 225 | 115 | 45 | 60 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 640 | 116 | 157 | 102 | 78 | 38 | 81 | 21 | 77 | 139 | 167 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 650 | 146 | 94 | 109 | 84 | 67 | 116 | 154 | 143 | 102 | 99 | 12 | 12 | 11 | 10 | 9 | 9 | 9 | 8 | 8 | 7 |
| 660 | 18 | 50 | 58 | 5 | 78 | 134 | 159 | 185 | 183 | 80 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 5 | 5 |
| 670 | 84 | 65 | 107 | 229 | 135 | 138 | 145 | 45 | 58 | 121 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 680 | 69 | 63 | 136 | 148 | 190 | 136 | 14 | 67 | 88 | 182 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 690 | 74 | 125 | 93 | 134 | 43 | 196 | 119 | 175 | 148 | 104 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 700 | 174 | 111 | 104 | 126 | 35 | 46 | 68 | 82 | 86 | 71 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 710 | 69 | 25 | 11 | 16 | 161 | 136 | 109 | 69 | 53 | 98 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 720 | 68 | 96 | 83 | 90 | 42 | 118 | 135 | 166 | 204 | 143 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 730 | 156 | 141 | 140 | 110 | 50 | 79 | 63 | 106 | 37 | 17 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 |
| 740 | 93 | 0 | 45 | 0 | 98 | 124 | 129 | 197 | 93 | 224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 750 | 198 | 63 | 91 | 106 | 121 | 119 | 113 | 71 | 134 | 117 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 760 | 63 | 105 | 42 | 115 | 82 | 51 | 60 | 80 | 98 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 770 | 38 | 131 | 134 | 130 | 0 | 18 | 135 | 95 | 93 | 121 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 780 | 165 | 143 | 125 | 147 | 188 | 185 | 228 | 118 | 98 | 58 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 790 | 48 | 63 | 102 | 85 | 96 | 49 | 76 | 44 | 70 | 50 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 800 | 72 | 49 | 53 | 92 | 160 | 155 | 215 | 75 | 82 | 10 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 810 | 146 | 116 | 165 | 139 | 113 | 194 | 104 | 132 | 77 | 59 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 820 | 192 | 153 | 169 | 51 | 25 | 39 | 113 | 69 | 144 | 26 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 830 | 36 | 176 | 135 | 102 | 179 | 79 | 118 | 89 | 121 | 95 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 840 | 23 | 188 | 94 | 112 | 116 | 91 | 55 | 28 | 104 | 38 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 850 | 74 | 44 | 119 | 109 | 125 | 121 | 139 | 68 | 114 | 94 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 860 | 121 | 120 | 94 | 99 | 68 | 64 | 94 | 35 | 47 | 163 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 870 | 60 | 152 | 61 | 121 | 130 | 143 | 149 | 77 | 24 | 66 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 880 | 99 | 67 | 90 | 67 | 73 | 107 | 119 | 88 | 113 | 113 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 890 | 166 | 149 | 43 | 218 | 117 | 141 | 113 | 144 | 193 | 217 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 900 | 71 | 42 | 86 | 61 | 104 | 110 | 18 | 28 | 133 | 118 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 910 | 77 | 123 | 78 | 95 | 84 | 95 | 103 | 89 | 131 | 155 | 4 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 |
| 920 | 112 | 67 | 49 | 74 | 70 | 96 | 97 | 80 | 160 | 118 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 930 | 100 | 134 | 124 | 115 | 60 | 76 | 108 | 20 | 84 | 112 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 940 | 123 | 147 | 121 | 96 | 147 | 109 | 72 | 117 | 100 | 131 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 |
| 950 | 82 | 133 | 154 | 125 | 27 | 130 | 141 | 39 | 43 | 91 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 |
| 960 | 152 | 111 | 116 | 86 | 42 | 120 | 147 | 105 | 121 | 44 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 970 | 67 | 99 | 32 | 91 | 97 | 26 | 91 | 141 | 88 | 85 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| 980 | 42 | 64 | 121 | 134 | 46 | 93 | 152 | 110 | 165 | 205 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 990 | 101 | 0 | 66 | 29 | 147 | 144 | 77 | 70 | 106 | 52 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 1000 | 195 | 109 | 76 | 133 | 120 | 31 | 113 | 108 | 97 | 59 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 |
| 1010 | 70 | 76 | 98 | 111 | 70 | 70 | 114 | 94 | 133 | 66 | 5 | 5 | 5 | 5 | 4 | 4 | 3 | 3 | 3 | 3 |
| 1020 | 111 | 158 | 134 | 158 | 159 | 141 | 154 | 124 | 146 | 216 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1030 | 186 | 107 | 83 | 97 | 75 | 25 | 32 | 52 | 75 | 82 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| 1040 | 76 | 55 | 75 | 110 | 134 | 146 | 162 | 143 | 89 | 126 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 1050 | 142 | 99 | 139 | 137 | 99 | 90 | 84 | 115 | 120 | 84 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1060 | 122 | 104 | 105 | 129 | 147 | 175 | 110 | 25 | 64 | 97 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |
| 1070 | 119 | 85 | 123 | 27 | 75 | 97 | 81 | 107 | 73 | 120 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1080 | 105 | 38 | 139 | 51 | 109 | 118 | 59 | 137 | 120 | 98 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1090 | 42 | 24 | 98 | 60 | 14 | 102 | 106 | 41 | 53 | 26 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 1100 | 74 | 109 | 107 | 131 | 49 | 113 | 94 | 90 | 26 | 187 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1110 | 136 | 121 | 52 | 79 | 51 | 117 | 144 | 163 | 157 | 91 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1120 | 93 | 90 | 142 | 79 | 164 | 119 | 123 | 137 | 134 | 118 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 |
| 1130 | 76 | 36 | 90 | 71 | 22 | 74 | 107 | 31 | 78 | 132 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1140 | 125 | 205 | 196 | 122 | 129 | 133 | 80 | 81 | 100 | 67 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1150 | 8 | 104 | 103 | 92 | 73 | 110 | 47 | 85 | 58 | 121 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 4 | 4 |
| 1160 | 123 | 114 | 171 | 160 | 93 | 109 | 104 | 109 | 91 | 65 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| 1170 | 91 | 145 | 121 | 166 | 115 | 86 | 110 | 59 | 74 | 89 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 1180 | 101 | 121 | 63 | 78 | 119 | 107 | 47 | 64 | 56 | 72 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 1190 | 102 | 123 | 61 | 95 | 114 | 123 | 116 | 125 | 87 | 84 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1200 | 136 | 145 | 195 | 148 | 109 | 105 | 103 | 113 | 120 | 88 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1210 | 100 | 116 | 99 | 73 | 54 | 45 | 50 | 25 | 67 | 115 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1220 | 96 | 57 | 67 | 95 | 43 | 72 | 70 | 4 | 102 | 120 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1230 | 135 | 94 | 146 | 99 | 101 | 126 | 98 | 123 | 171 | 135 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 |
| 1240 | 85 | 125 | 134 | 129 | 144 | 117 | 99 | 108 | 147 | 166 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1250 | 73 | 61 | 101 | 94 | 28 | 120 | 23 | 78 | 32 | 174 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1260 | 106 | 136 | 131 | 66 | 53 | 93 | 89 | 92 | 116 | 47 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1270 | 97 | 104 | 21 | 38 | 78 | 274 | 72 | 97 | 99 | 163 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1280 | 39 | 120 | 93 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1470 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1480 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1490 | 139 | 198 | 108 | 48 | 23 | 42 | 54 | 57 | 42 | 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1500 | 23 | 6 | 71 | 62 | 45 | 51 | 31 | 54 | 37 | 54 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1510 | 48 | 65 | 54 | 57 | 37 | 31 | 28 | 48 | 54 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1520 | 57 | 74 | 34 | 74 | 40 | 74 | 125 | 119 | 96 | 85 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1530 | 71 | 48 | 144 | 45 | 79 | 116 | 127 | 82 | 45 | 82 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1540 | 125 | 91 | 102 | 116 | 76 | 25 | 82 | 59 | 82 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1550 | 74 | 82 | 45 | 147 | 71 | 91 | 91 | 113 | 62 | 71 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1560 | 38 | 79 | 73 | 77 | 106 | 109 | 100 | 44 | 58 | 83 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 1570 | 43 | 48 | 57 | 36 | 33 | 47 | 17 | 27 | 39 | 74 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

14 QUEMADO ID 777999
CENTRAL LAT 34 DEG 25 MIN, LONG 108 DEG 30 MIN, ELEV 6800 FT
SPECIES: ARCHAEOL - PNN* PP DF, LIVING - PNN

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1580 | 68 | 51 | 66 | 79 | 67 | 20 | 105 | 247 | 258 | 187 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1590 | 161 | 134 | 101 | 28 | 244 | 169 | 115 | 111 | 112 | 148 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1600 | 54 | 63 | 27 | 105 | 72 | 145 | 13 | 49 | 54 | 88 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1610 | 26 | 95 | 83 | 32 | 60 | 57 | 53 | 43 | 86 | 77 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1620 | 117 | 124 | 131 | 110 | 83 | 88 | 57 | 108 | 76 | 149 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1630 | 210 | 159 | 117 | 85 | 164 | 195 | 274 | 238 | 137 | 90 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 1640 | 125 | 188 | 116 | 153 | 240 | 192 | 212 | 164 | 92 | 116 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1650 | 122 | 159 | 104 | 89 | 50 | 102 | 97 | 109 | 112 | 119 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1660 | 164 | 175 | 192 | 177 | 92 | 145 | 148 | 83 | 105 | 76 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1670 | 67 | 112 | 149 | 105 | 83 | 114 | 61 | 114 | 40 | 98 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1680 | 143 | 87 | 89 | 132 | 71 | 33 | 79 | 116 | 101 | 103 | 8 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1690 | 125 | 90 | 148 | 131 | 136 | 157 | 108 | 87 | 88 | 128 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| 1700 | 140 | 154 | 120 | 115 | 109 | 133 | 126 | 86 | 70 | 90 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1710 | 106 | 96 | 121 | 78 | 63 | 69 | 82 | 99 | 96 | 110 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1720 | 157 | 68 | 88 | 109 | 96 | 103 | 146 | 109 | 39 | 70 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1730 | 75 | 112 | 91 | 43 | 86 | 92 | 108 | 87 | 92 | 20 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1740 | 47 | 74 | 113 | 116 | 81 | 117 | 142 | 137 | 9 | 101 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1750 | 64 | 89 | 111 | 103 | 138 | 133 | 41 | 55 | 139 | 160 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 |
| 1760 | 100 | 116 | 125 | 90 | 103 | 75 | 100 | 132 | 146 | 85 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1770 | 91 | 153 | 111 | 27 | 47 | 104 | 110 | 35 | 87 | 79 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1780 | 85 | 81 | 30 | 128 | 139 | 53 | 87 | 160 | 65 | 72 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1790 | 166 | 176 | 178 | 209 | 144 | 140 | 69 | 74 | 99 | 47 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1800 | 85 | 128 | 109 | 87 | 129 | 54 | 13 | 115 | 65 | 120 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1810 | 106 | 75 | 63 | 61 | 117 | 140 | 182 | 105 | 118 | 30 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1820 | 73 | 54 | 9 | 25 | 22 | 59 | 38 | 75 | 130 | 71 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1830 | 115 | 110 | 118 | 148 | 141 | 135 | 108 | 149 | 130 | 173 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1840 | 116 | 66 | 61 | 105 | 166 | 114 | 140 | 49 | 71 | 125 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1850 | 155 | 48 | 126 | 125 | 115 | 180 | 143 | 25 | 74 | 54 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1860 | 104 | 61 | 34 | 40 | 54 | 97 | 93 | 141 | 183 | 161 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1870 | 82 | 70 | 11 | 48 | 96 | 62 | 84 | 104 | 117 | 77 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1880 | 38 | 25 | 109 | 22 | 49 | 16 | 5 | 63 | 93 | 122 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1890 | 84 | 105 | 139 | 28 | 55 | 58 | 88 | 107 | 124 | 10 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1900 | 20 | 26 | 8 | 32 | 1 | 124 | 124 | 157 | 177 | 130 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1910 | 100 | 152 | 193 | 113 | 195 | 230 | 205 | 194 | 79 | 222 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1920 | 210 | 72 | 104 | 152 | 204 | 90 | 170 | 137 | 145 | 85 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1930 | 193 | 194 | 240 | 191 | 143 | 217 | 77 | 98 | 107 | 152 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1940 | 119 | 197 | 153 | 162 | 94 | 148 | 78 | 122 | 146 | 85 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1950 | 8 | 2 | 61 | 60 | 21 | 2 | 72 | 37 | 75 | 8 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1960 | 113 | 73 | 64 | 92 | 39 | 56 | 29 | 46 | 75 | 70 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1970 | 61 | 11 | 82 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 17 | 17 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .311 STANDARD DEVIATION = .431 MEAN SENSITIVITY = .451 N = 842
SERIAL CORRELATION = .545 STANDARD DEVIATION = .506 MEAN SENSITIVITY = .443 N = 493

15 CEBOLLETA MESA ID 666000
CENTRAL LAT 34 DEG 50 MIN, LONG 107 DEG 45 MIN, ELEV 6800 FT
SPECIES: ARCHAEOL - PNN* PP DF, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 680 | 203 | 259 | 283 | 256 | 161 | 165 | 31 | 126 | 95 | 113 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 690 | 35 | 53 | 36 | 105 | 59 | 87 | 121 | 138 | 95 | 160 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 700 | 166 | 101 | 114 | 81 | 68 | 22 | 25 | 63 | 129 | 105 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 710 | 95 | 26 | 26 | 95 | 160 | 117 | 123 | 140 | 15 | 156 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 720 | 193 | 109 | 110 | 34 | 15 | 92 | 139 | 66 | 81 | 153 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 730 | 167 | 201 | 198 | 141 | 130 | 65 | 79 | 87 | 79 | 24 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 740 | 85 | 74 | 29 | 21 | 122 | 131 | 68 | 103 | 64 | 167 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 750 | 122 | 39 | 77 | 54 | 75 | 96 | 84 | 50 | 64 | 82 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 760 | 55 | 83 | 59 | 148 | 106 | 129 | 174 | 135 | 161 | 83 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 770 | 10 | 75 | 160 | 148 | 38 | 33 | 97 | 108 | 120 | 127 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 780 | 164 | 53 | 29 | 65 | 153 | 101 | 105 | 140 | 141 | 120 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 790 | 116 | 115 | 169 | 79 | 70 | 50 | 73 | 27 | 67 | 84 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 800 | 139 | 99 | 120 | 90 | 114 | 117 | 191 | 38 | 98 | 20 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 810 | 110 | 122 | 194 | 148 | 119 | 135 | 28 | 55 | 13 | 72 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 820 | 180 | 205 | 163 | 61 | 114 | 83 | 117 | 110 | 117 | 21 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 830 | 116 | 148 | 104 | 123 | 82 | 111 | 102 | 31 | 38 | 108 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 840 | 31 | 157 | 151 | 190 | 103 | 123 | 24 | 33 | 85 | 38 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 850 | 50 | 86 | 135 | 88 | 95 | 64 | 213 | 73 | 151 | 85 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 860 | 148 | 107 | 154 | 106 | 76 | 89 | 76 | 56 | 19 | 80 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 10 | 10 | 10 |
| 870 | 34 | 153 | 73 | 97 | 69 | 98 | 134 | 102 | 38 | 71 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 880 | 60 | 124 | 84 | 75 | 32 | 95 | 114 | 160 | 108 | 100 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |
| 890 | 172 | 114 | 55 | 159 | 100 | 89 | 124 | 113 | 148 | 161 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 900 | 38 | 12 | 102 | 30 | 76 | 141 | 66 | 30 | 141 | 77 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 910 | 110 | 124 | 98 | 112 | 74 | 70 | 106 | 141 | 136 | 185 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 |
| 920 | 100 | 131 | 41 | 115 | 103 | 111 | 126 | 80 | 141 | 140 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 930 | 120 | 72 | 109 | 133 | 26 | 109 | 101 | 30 | 141 | 101 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 940 | 138 | 126 | 84 | 117 | 132 | 77 | 121 | 108 | 123 | 163 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| 950 | 52 | 36 | 92 | 114 | 25 | 94 | 163 | 51 | 88 | 131 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| 960 | 220 | 121 | 190 | 149 | 63 | 200 | 196 | 156 | 94 | 33 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 970 | 131 | 68 | 15 | 98 | 55 | 6 | 37 | 116 | 111 | 142 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 980 | 34 | 30 | 129 | 55 | 81 | 120 | 134 | 148 | 199 | 222 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 4 |
| 990 | 138 | 24 | 35 | 6 | 132 | 195 | 61 | 199 | 106 | 13 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1000 | 158 | 77 | 62 | 86 | 80 | 42 | 131 | 179 | 189 | 47 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1010 | 75 | 74 | 117 | 141 | 10 | 111 | 139 | 100 | 64 | 38 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1020 | 177 | 123 | 58 | 187 | 209 | 142 | 61 | 41 | 74 | 141 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 1030 | 50 | 34 | 76 | 81 | 40 | 7 | 17 | 91 | 107 | 121 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1040 | 82 | 80 | 132 | 77 | 40 | 140 | 71 | 60 | 0 | 104 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1050 | 133 | 63 | 165 | 78 | 121 | 90 | 65 | 104 | 142 | 101 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1060 | 155 | 127 | 95 | 128 | 105 | 203 | 115 | 24 | 32 | 103 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1070 | 117 | 87 | 101 | 135 | 111 | 41 | 99 | 114 | 50 | 136 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1080 | 132 | 45 | 102 | 78 | 108 | 80 | 81 | 180 | 205 | 135 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1090 | 37 | 40 | 166 | 68 | 125 | 163 | 118 | 89 | 62 | 54 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| 1100 | 92 | 166 | 143 | 152 | 94 | 117 | 75 | 54 | 48 | 140 | 2 | 2 | 3 | 2 | 3 | 4 | 5 | 5 | 5 | 5 |
| 1110 | 150 | 89 | 84 | 65 | 76 | 81 | 150 | 100 | 154 | 93 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1120 | 78 | 50 | 142 | 114 | 134 | 105 | 127 | 111 | 142 | 184 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 1130 | 116 | 64 | 75 | 60 | 51 | 76 | 96 | 117 | 129 | 97 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1140 | 40 | 171 | 207 | 102 | 106 | 50 | 19 | 61 | 85 | 76 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 1150 | 21 | 24 | 150 | 92 | 79 | 137 | 41 | 33 | 72 | 139 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1160 | 147 | 69 | 174 | 184 | 105 | 71 | 81 | 85 | 40 | 55 | 8 | 8 | 8 | 8 | 8 | 8 | 10 | 9 | 8 | 8 |
| 1170 | 99 | 160 | 129 | 177 | 75 | 98 | 117 | 45 | 95 | 107 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1180 | 75 | 98 | 48 | 76 | 150 | 114 | 51 | 113 | 97 | 64 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 1190 | 82 | 97 | 34 | 103 | 128 | 148 | 154 | 147 | 82 | 117 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 1200 | 181 | 171 | 213 | 133 | 119 | 94 | 77 | 119 | 99 | 72 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1210 | 95 | 94 | 122 | 80 | 52 | 27 | 66 | 11 | 77 | 158 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1220 | 95 | 68 | 83 | 135 | 98 | 78 | 102 | 33 | 135 | 149 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1230 | 150 | 120 | 155 | 85 | 77 | 131 | 79 | 156 | 167 | 103 | 10 | 10 | 10 | 11 | 10 | 10 | 10 | 9 | 9 | 9 |
| 1240 | 45 | 121 | 116 | 87 | 147 | 113 | 57 | 107 | 91 | 148 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 6 | 6 |
| 1250 | 55 | 90 | 47 | 70 | 17 | 86 | 70 | 110 | 53 | 184 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 |
| 1260 | 86 | 92 | 96 | 81 | 67 | 97 | 103 | 114 | 145 | 89 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1270 | 63 | 114 | 81 | 54 | 69 | 200 | 59 | 103 | 58 | 166 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1280 | 62 | 75 | 74 | 122 | 55 | 46 | 57 | 41 | 0 | 64 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1290 | 70 | 96 | 50 | 111 | 39 | 26 | 115 | 94 | 151 | 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1300 | 44 | 90 | 125 | 176 | 109 | 169 | 102 | 52 | 95 | 143 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1310 | 216 | 149 | 159 | 177 | 140 | 94 | 53 | 120 | 145 | 117 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1320 | 100 | 140 | 152 | 130 | 65 | 132 | 148 | 101 | 56 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1330 | 172 | 158 | 187 | 224 | 140 | 49 | 250 | 172 | 48 | 121 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1340 | 51 | 29 | 77 | 41 | 92 | 80 | 59 | 28 | 68 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1350 | 80 | 55 | 68 | 86 | 106 | 48 | 101 | 146 | 173 | 188 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1360 | 102 | 121 | 55 | 33 | 73 | 97 | 122 | 126 | 130 | 64 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1370 | 123 | 98 | 127 | 110 | 109 | 52 | 18 | 84 | 78 | 62 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1380 | 107 | 91 | 66 | 98 | 86 | 110 | 122 | 108 | 106 | 95 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1390 | 53 | 102 | 141 | 105 | 106 | 105 | 114 | 61 | 88 | 24 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1400 | 53 | 87 | 124 | 82 | 104 | 68 | 106 | 47 | 81 | 157 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 |
| 1410 | 131 | 57 | 144 | 38 | 109 | 84 | 110 | 90 | 92 | 127 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1420 | 164 | 36 | 116 | 51 | 120 | 152 | 102 | 157 | 198 | 98 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1430 | 111 | 95 | 107 | 129 | 134 | 110 | 48 | 86 | 31 | 96 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1440 | 120 | 126 | 52 | 69 | 109 | 52 | 69 | 106 | 58 | 52 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1450 | 58 | 105 | 84 | 110 | 88 | 46 | 62 | 36 | 122 | 100 | 4 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 |
| 1460 | 158 | 127 | 159 | 80 | 71 | 97 | 156 | 144 | 53 | 89 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1470 | 96 | 31 | 73 | 66 | 57 | 27 | 73 | 85 | 118 | 62 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1480 | 21 | 105 | 154 | 88 | 200 | 207 | 118 | 49 | 105 | 150 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1490 | 131 | 163 | 134 | 77 | 63 | 21 | 93 | 70 | 160 | 143 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1500 | 31 | 65 | 107 | 57 | 120 | 133 | 31 | 143 | 99 | 130 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1510 | 76 | 224 | 183 | 209 | 114 | 167 | 61 | 48 | 125 | 132 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 6 |
| 1520 | 126 | 153 | 40 | 68 | 43 | 85 | 101 | 121 | 94 | 123 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 1530 | 98 | 112 | 96 | 41 | 93 | 98 | 106 | 128 | 90 | 134 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1540 | 119 | 35 | 73 | 120 | 103 | 117 | 75 | 52 | 88 | 90 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1550 | 111 | 74 | 48 | 135 | 72 | 158 | 137 | 133 | 94 | 128 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |
| 1560 | 46 | 30 | 43 | 103 | 154 | 166 | 113 | 64 | 88 | 140 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1570 | 148 | 167 | 183 | 43 | 116 | 70 | 31 | 99 | 94 | 40 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 1580 | 21 | 52 | 49 | 24 | 72 | 17 | 62 | 79 | 107 | 77 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1590 | 73 | 110 | 72 | 65 | 124 | 120 | 126 | 117 | 69 | 135 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 |
| 1600 | 93 | 83 | 86 | 142 | 143 | 146 | 116 | 98 | 116 | 121 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1610 | 134 | 109 | 112 | 66 | 76 | 89 | 72 | 98 | 105 | 51 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1620 | 111 | 124 | 73 | 45 | 35 | 62 | 70 | 140 | 88 | 122 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 1630 | 101 | 38 | 35 | 78 | 112 | 98 | 67 | 61 | 40 | 104 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1640 | 149 | 108 | 70 | 94 | 161 | 92 | 178 | 168 | 117 | 133 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1650 | 108 | 150 | 131 | 159 | 75 | 148 | 122 | 61 | 67 | 80 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1660 | 108 | 86 | 128 | 99 | 46 | 115 | 98 | 56 | 36 | 108 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1670 | 50 | 74 | 101 | 129 | 97 | 133 | 72 | 75 | 107 | 100 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 10 | 11 |
| 1680 | 128 | 94 | 102 | 110 | 71 | 37 | 85 | 103 | 110 | 145 | 12 | 12 | 13 | 14 | 15 | 15 | 16 | 16 | 16 | 16 |
| 1690 | 105 | 78 | 128 | 111 | 98 | 97 | 53 | 104 | 88 | 180 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 18 | 17 | 17 |
| 1700 | 144 | 135 | 91 | 103 | 72 | 95 | 154 | 88 | 92 | 94 | 17 | 17 | 17 | 18 | 19 | 19 | 19 | 18 | 19 | 20 |
| 1710 | 135 | 30 | 134 | 67 | 78 | 86 | 88 | 89 | 119 | 81 | 20 | 20 | 20 | 21 | 21 | 21 | 22 | 22 | 22 | 22 |
| 1720 | 148 | 115 | 120 | 102 | 64 | 125 | 149 | 81 | 47 | 28 | 24 | 24 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1730 | 78 | 93 | 69 | 65 | 105 | 100 | 133 | 68 | 81 | 97 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1740 | 71 | 122 | 69 | 123 | 125 | 165 | 190 | 162 | 8 | 130 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 31 | 31 |
| 1750 | 48 | 172 | 65 | 120 | 99 | 49 | 54 | 118 | 137 | 169 | 31 | 31 | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 |
| 1760 | 60 | 116 | 113 | 75 | 99 | 105 | 114 | 119 | 113 | 68 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 32 | 32 | 32 |
| 1770 | 117 | 159 | 74 | 50 | 65 | 93 | 89 | 44 | 140 | 51 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 33 | 34 | 34 |
| 1780 | 23 | 78 | 60 | 162 | 158 | 107 | 76 | 112 | 80 | 58 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 1790 | 117 | 140 | 112 | 174 | 92 | 104 | 80 | 97 | 120 | 111 | 37 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 |
| 1800 | 150 | 115 | 94 | 99 | 99 | 64 | 44 | 103 | 101 | 142 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 1810 | 128 | 131 | 70 | 88 | 133 | 176 | 212 | 133 | 48 | 51 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |

15 CEBOLLETA MESA ID 666000
CENTRAL LAT 34 DEG 50 MIN, LONG 107 DEG 45 MIN, ELEV 6800 FT
SPECIES: ARCHAEOL - PNN* PP DF, LIVING - PNN

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1820 | 67 | 92 | 41 | 93 | 53 | 84 | 62 | 74 | 141 | 37 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 1830 | 149 | 96 | 79 | 114 | 146 | 82 | 75 | 96 | 103 | 162 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 1840 | 163 | 154 | 55 | 83 | 62 | 99 | 108 | 14 | 87 | 92 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 |
| 1850 | 86 | 49 | 111 | 82 | 87 | 113 | 79 | 71 | 100 | 46 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1860 | 137 | 39 | 38 | 58 | 61 | 88 | 129 | 131 | 171 | 166 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1870 | 81 | 43 | 80 | 56 | 86 | 63 | 51 | 178 | 114 | 49 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 1880 | 37 | 71 | 133 | 64 | 118 | 118 | 66 | 140 | 107 | 89 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 |
| 1890 | 106 | 157 | 51 | 30 | 57 | 115 | 48 | 120 | 113 | 7 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1900 | 44 | 104 | 59 | 81 | 5 | 164 | 192 | 200 | 251 | 157 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 1910 | 89 | 165 | 181 | 97 | 152 | 147 | 154 | 157 | 50 | 156 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 1920 | 206 | 143 | 101 | 63 | 153 | 9 | 188 | 136 | 93 | 68 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1930 | 111 | 99 | 145 | 133 | 68 | 161 | 106 | 160 | 102 | 80 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 1940 | 130 | 193 | 117 | 117 | 155 | 113 | 29 | 105 | 134 | 116 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1950 | 45 | 12 | 109 | 82 | 56 | 42 | 52 | 61 | 111 | 63 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1960 | 93 | 56 | 75 | 53 | 107 | 135 | 51 | 73 | 101 | 95 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1970 | 142 | 82 | 118 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 22 | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .287 STANDARD DEVIATION = .446 MEAN SENSITIVITY = .480 N = 1293

16 CHACO CANYON ID 199200
CENTRAL LAT 36 DEG 05 MIN, LONG 107 DEG 55 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PP, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 660 | 45 | 53 | 97 | 75 | 52 | 125 | 130 | 149 | 150 | 128 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 670 | 163 | 141 | 112 | 90 | 135 | 84 | 100 | 68 | 102 | 103 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 680 | 84 | 109 | 140 | 100 | 148 | 121 | 99 | 133 | 143 | 127 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 690 | 87 | 79 | 85 | 106 | 96 | 157 | 73 | 97 | 97 | 119 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 700 | 44 | 119 | 126 | 146 | 33 | 76 | 29 | 53 | 106 | 51 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 710 | 87 | 75 | 70 | 115 | 123 | 137 | 139 | 49 | 57 | 111 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 720 | 121 | 70 | 49 | 24 | 8 | 80 | 123 | 104 | 143 | 129 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 730 | 169 | 169 | 177 | 204 | 154 | 97 | 154 | 119 | 18 | 62 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 740 | 129 | 88 | 37 | 70 | 52 | 146 | 102 | 144 | 38 | 90 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 750 | 54 | 45 | 51 | 93 | 67 | 89 | 71 | 19 | 83 | 111 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 760 | 59 | 100 | 87 | 117 | 54 | 132 | 139 | 87 | 148 | 128 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 770 | 76 | 111 | 147 | 123 | 71 | 105 | 120 | 116 | 109 | 29 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 780 | 97 | 99 | 31 | 78 | 120 | 152 | 110 | 168 | 120 | 116 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 790 | 137 | 76 | 121 | 103 | 111 | 61 | 57 | 12 | 111 | 80 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 800 | 135 | 133 | 145 | 147 | 144 | 143 | 136 | 94 | 78 | 30 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 810 | 80 | 86 | 117 | 138 | 113 | 151 | 98 | 30 | 14 | 51 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 820 | 131 | 145 | 183 | 47 | 59 | 57 | 142 | 131 | 198 | 88 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 830 | 65 | 182 | 151 | 161 | 150 | 140 | 118 | 99 | 99 | 71 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 |
| 840 | 27 | 95 | 93 | 156 | 109 | 139 | 75 | 46 | 130 | 87 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 850 | 117 | 82 | 117 | 135 | 150 | 111 | 171 | 108 | 161 | 107 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 860 | 105 | 107 | 147 | 118 | 122 | 62 | 119 | 44 | 45 | 114 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 |
| 870 | 49 | 112 | 97 | 104 | 105 | 122 | 150 | 51 | 21 | 40 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 |
| 880 | 83 | 120 | 94 | 81 | 50 | 97 | 108 | 127 | 130 | 112 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 19 |
| 890 | 147 | 141 | 82 | 147 | 92 | 73 | 79 | 130 | 175 | 217 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 900 | 93 | 76 | 114 | 72 | 50 | 125 | 42 | 11 | 86 | 71 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 910 | 71 | 111 | 77 | 106 | 128 | 96 | 67 | 131 | 136 | 157 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 920 | 89 | 120 | 40 | 64 | 33 | 117 | 94 | 103 | 140 | 124 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 930 | 81 | 112 | 131 | 130 | 104 | 69 | 107 | 29 | 104 | 86 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 940 | 128 | 154 | 142 | 83 | 143 | 142 | 159 | 154 | 142 | 170 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 950 | 171 | 74 | 129 | 67 | 15 | 66 | 107 | 36 | 58 | 100 | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 23 | 23 | 23 |
| 960 | 125 | 111 | 109 | 116 | 92 | 137 | 165 | 129 | 91 | 84 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 970 | 133 | 97 | 25 | 126 | 101 | 32 | 57 | 109 | 51 | 78 | 24 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 980 | 7 | 22 | 66 | 82 | 76 | 106 | 134 | 141 | 165 | 162 | 23 | 23 | 23 | 23 | 24 | 24 | 24 | 24 | 24 | 23 |
| 990 | 104 | 14 | 64 | 28 | 37 | 51 | 91 | 68 | 95 | 57 | 23 | 23 | 23 | 23 | 23 | 23 | 22 | 22 | 22 | 22 |
| 1000 | 113 | 82 | 82 | 96 | 123 | 25 | 103 | 126 | 128 | 75 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1010 | 101 | 79 | 95 | 78 | 47 | 110 | 126 | 143 | 102 | 43 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1020 | 113 | 116 | 68 | 99 | 141 | 93 | 124 | 123 | 139 | 164 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 19 | 19 |
| 1030 | 122 | 85 | 110 | 114 | 87 | 16 | 36 | 85 | 86 | 90 | 20 | 20 | 20 | 20 | 20 | 16 | 16 | 16 | 16 | 16 |
| 1040 | 83 | 37 | 90 | 105 | 57 | 95 | 86 | 96 | 60 | 102 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1050 | 112 | 112 | 171 | 113 | 154 | 119 | 121 | 133 | 128 | 92 | 17 | 17 | 17 | 17 | 16 | 15 | 15 | 13 | 14 | 14 |
| 1060 | 135 | 150 | 81 | 135 | 151 | 203 | 149 | 22 | 29 | 55 | 13 | 13 | 13 | 12 | 12 | 12 | 11 | 0 | 0 | 0 |
| 1070 | 96 | 90 | 77 | 93 | 80 | 88 | 121 | 127 | 95 | 158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1080 | 143 | 103 | 117 | 92 | 88 | 71 | 45 | 122 | 100 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1090 | 23 | 30 | 87 | 56 | 63 | 92 | 104 | 78 | 85 | 62 | 0 | 0 | 0 | 0 | 0 | 8 | 7 | 7 | 7 | 7 |
| 1100 | 113 | 97 | 106 | 146 | 116 | 153 | 116 | 67 | 82 | 108 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1110 | 107 | 133 | 162 | 134 | 145 | 112 | 148 | 126 | 99 | 117 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 1120 | 121 | 55 | 101 | 75 | 141 | 90 | 77 | 98 | 999 | 999 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 0 | 0 |
| 1130 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1140 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1150 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1160 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1170 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1180 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1190 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1210 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1220 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1230 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1240 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1250 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1260 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1270 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1280 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 435 | 166 | 312 | 285 | 178 | 210 | 216 | 156 | 99 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1390 | 41 | 61 | 100 | 51 | 73 | 80 | 63 | 28 | 26 | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1400 | 36 | 36 | 44 | 44 | 67 | 44 | 36 | 15 | 24 | 108 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 1410 | 159 | 163 | 296 | 84 | 214 | 106 | 194 | 238 | 193 | 39 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1420 | 119 | 56 | 99 | 63 | 95 | 110 | 169 | 216 | 255 | 118 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1430 | 103 | 233 | 216 | 242 | 167 | 117 | 76 | 74 | 32 | 60 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1440 | 76 | 101 | 46 | 62 | 47 | 24 | 18 | 74 | 27 | 30 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1450 | 19 | 78 | 89 | 104 | 52 | 4 | 74 | 11 | 129 | 83 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1460 | 61 | 46 | 57 | 7 | 19 | 12 | 72 | 105 | 94 | 101 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1470 | 94 | 32 | 39 | 49 | 13 | 38 | 45 | 66 | 16 | 10 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1480 | 15 | 48 | 49 | 55 | 83 | 93 | 51 | 29 | 82 | 111 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1490 | 84 | 176 | 126 | 91 | 82 | 7 | 28 | 59 | 113 | 108 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1500 | 22 | 33 | 49 | 65 | 61 | 89 | 21 | 76 | 32 | 69 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1510 | 51 | 133 | 138 | 133 | 104 | 178 | 98 | 19 | 105 | 140 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1520 | 172 | 87 | 42 | 64 | 47 | 57 | 96 | 79 | 94 | 89 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1530 | 135 | 152 | 109 | 89 | 68 | 85 | 76 | 130 | 31 | 103 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1540 | 135 | 117 | 18 | 137 | 53 | 114 | 59 | 81 | 56 | 122 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1550 | 129 | 45 | 58 | 98 | 38 | 85 | 128 | 165 | 118 | 87 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1560 | 56 | 31 | 34 | 52 | 70 | 115 | 88 | 80 | 104 | 166 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1570 | 146 | 94 | 97 | 40 | 58 | 59 | 43 | 101 | 58 | 41 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1580 | 19 | 57 | 57 | 21 | 20 | 26 | 68 | 75 | 140 | 92 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1590 | 41 | 136 | 34 | 28 | 178 | 155 | 137 | 134 | 75 | 113 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1600 | 53 | 63 | 51 | 64 | 100 | 161 | 145 | 101 | 196 | 236 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1610 | 349 | 344 | 246 | 262 | 123 | 205 | 202 | 211 | 272 | 166 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1620 | 268 | 297 | 103 | 78 | 43 | 60 | 34 | 135 | 125 | 223 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| 1630 | 187 | 100 | 75 | 164 | 193 | 125 | 104 | 57 | 79 | 144 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 |
| 1640 | 200 | 114 | 142 | 161 | 127 | 93 | 178 | 153 | 104 | 130 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 12 | 12 | 12 |
| 1650 | 94 | 152 | 144 | 139 | 86 | 120 | 141 | 69 | 93 | 35 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1660 | 101 | 72 | 65 | 74 | 33 | 172 | 89 | 59 | 29 | 47 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1670 | 17 | 101 | 35 | 100 | 32 | 102 | 32 | 86 | 78 | 51 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 17 | 17 |
| 1680 | 145 | 136 | 163 | 176 | 38 | 8 | 120 | 108 | 89 | 131 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1690 | 183 | 145 | 179 | 175 | 119 | 124 | 47 | 31 | 66 | 131 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1700 | 91 | 197 | 109 | 112 | 77 | 71 | 121 | 123 | 94 | 63 | 20 | 20 | 20 | 20 | 20 | 20 | 21 | 21 | 21 | 21 |
| 1710 | 181 | 147 | 169 | 129 | 106 | 92 | 16 | 100 | 78 | 93 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1720 | 192 | 137 | 56 | 139 | 97 | 85 | 128 | 138 | 13 | 4 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1730 | 66 | 100 | 131 | 46 | 36 | 12 | 82 | 61 | 34 | 74 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1740 | 67 | 67 | 24 | 124 | 40 | 152 | 202 | 280 | 16 | 207 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1750 | 98 | 95 | 35 | 63 | 133 | 66 | 69 | 66 | 138 | 187 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1760 | 130 | 35 | 166 | 28 | 130 | 50 | 154 | 66 | 173 | 160 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1770 | 138 | 159 | 120 | 21 | 87 | 66 | 96 | 25 | 79 | 58 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1780 | 34 | 90 | 22 | 147 | 182 | 126 | 75 | 144 | 44 | 110 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1790 | 95 | 139 | 159 | 180 | 93 | 169 | 74 | 84 | 99 | 60 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |

16 CHACO CANYON ID 199200
CENTRAL LAT 36 DEG 05 MIN, LONG 107 DEG 55 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PP, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1800 | 39 | 64 | 104 | 55 | 117 | 92 | 15 | 138 | 86 | 81 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1810 | 45 | 44 | 56 | 52 | 90 | 91 | 206 | 187 | 26 | 14 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1820 | 76 | 123 | 1 | 28 | 61 | 80 | 36 | 27 | 109 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1830 | 96 | 83 | 109 | 142 | 171 | 167 | 113 | 169 | 204 | 248 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1840 | 234 | 173 | 81 | 81 | 141 | 63 | 94 | 1 | 141 | 132 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1850 | 116 | 56 | 146 | 87 | 38 | 187 | 197 | 63 | 123 | 93 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1860 | 93 | 11 | 132 | 60 | 48 | 79 | 94 | 152 | 125 | 197 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1870 | 98 | 114 | 20 | 109 | 154 | 49 | 57 | 182 | 71 | 102 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1880 | 13 | 40 | 125 | 122 | 158 | 131 | 78 | 88 | 158 | 116 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1890 | 90 | 141 | 105 | 54 | 28 | 117 | 55 | 99 | 48 | 33 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1900 | 56 | 67 | 34 | 108 | 4 | 154 | 101 | 124 | 202 | 42 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1910 | 124 | 108 | 134 | 60 | 131 | 178 | 157 | 145 | 45 | 149 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1920 | 199 | 52 | 101 | 79 | 179 | 29 | 136 | 80 | 130 | 77 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1930 | 78 | 120 | 147 | 71 | 55 | 209 | 124 | 162 | 116 | 114 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1940 | 45 | 213 | 139 | 62 | 116 | 114 | 53 | 90 | 156 | 109 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1950 | 32 | 17 | 113 | 41 | 27 | 16 | 34 | 35 | 91 | 38 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1960 | 103 | 67 | 94 | 87 | 76 | 138 | 114 | 20 | 171 | 142 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1970 | 152 | 36 | 110 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 24 | 24 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .390 STANDARD DEVIATION = .388 MEAN SENSITIVITY = .408 N = 468
SERIAL CORRELATION = .461 STANDARD DEVIATION = .612 MEAN SENSITIVITY = .569 N = 592

17 GOBERNADOR ID 803000
CENTRAL LAT 36 DEG 45 MIN, LONG 107 DEG 30 MIN, ELEV 6600 FT
SPECIES: ARCHAEOL - PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 623 | 999 | 999 | 999 | 134 | 86 | 83 | 39 | 93 | 135 | 101 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 630 | 58 | 119 | 95 | 77 | 66 | 150 | 202 | 139 | 81 | 107 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 640 | 56 | 134 | 80 | 129 | 130 | 42 | 33 | 50 | 88 | 121 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 650 | 101 | 76 | 117 | 81 | 109 | 118 | 118 | 110 | 71 | 30 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 660 | 42 | 68 | 104 | 67 | 54 | 133 | 136 | 150 | 141 | 146 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 670 | 96 | 63 | 87 | 154 | 101 | 86 | 89 | 73 | 57 | 125 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 680 | 103 | 89 | 150 | 159 | 197 | 116 | 42 | 110 | 170 | 229 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 690 | 55 | 102 | 71 | 113 | 89 | 148 | 133 | 137 | 86 | 158 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 700 | 86 | 136 | 115 | 99 | 68 | 24 | 28 | 47 | 84 | 62 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 710 | 99 | 122 | 60 | 164 | 127 | 93 | 73 | 36 | 71 | 133 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 720 | 119 | 117 | 57 | 46 | 39 | 126 | 99 | 105 | 128 | 125 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 730 | 111 | 138 | 78 | 102 | 115 | 79 | 115 | 135 | 9 | 71 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 740 | 124 | 121 | 63 | 132 | 73 | 127 | 137 | 110 | 30 | 144 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 |
| 750 | 73 | 20 | 128 | 92 | 126 | 101 | 54 | 34 | 78 | 108 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 760 | 106 | 107 | 92 | 105 | 86 | 136 | 130 | 88 | 128 | 97 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 770 | 49 | 55 | 151 | 76 | 71 | 83 | 116 | 87 | 93 | 72 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 780 | 163 | 128 | 67 | 71 | 138 | 144 | 68 | 164 | 86 | 129 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| 790 | 110 | 93 | 154 | 176 | 113 | 89 | 96 | 57 | 119 | 92 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 800 | 122 | 126 | 146 | 170 | 132 | 123 | 101 | 48 | 73 | 29 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 810 | 127 | 69 | 109 | 160 | 121 | 114 | 93 | 39 | 44 | 58 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 820 | 181 | 154 | 148 | 30 | 37 | 56 | 118 | 107 | 156 | 62 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| 830 | 61 | 138 | 92 | 73 | 93 | 66 | 119 | 65 | 126 | 116 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 840 | 38 | 107 | 83 | 130 | 93 | 74 | 100 | 44 | 113 | 93 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 850 | 132 | 106 | 141 | 150 | 167 | 91 | 135 | 43 | 141 | 114 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 860 | 128 | 85 | 120 | 111 | 106 | 129 | 73 | 20 | 74 | 162 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 870 | 100 | 156 | 122 | 127 | 129 | 100 | 109 | 59 | 46 | 102 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 880 | 85 | 152 | 56 | 102 | 41 | 104 | 119 | 110 | 118 | 80 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 890 | 159 | 98 | 73 | 113 | 76 | 85 | 72 | 79 | 78 | 186 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 900 | 116 | 57 | 145 | 116 | 82 | 124 | 13 | 0 | 99 | 116 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 910 | 107 | 181 | 105 | 102 | 123 | 67 | 115 | 139 | 154 | 157 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 6 |
| 920 | 106 | 75 | 26 | 48 | 48 | 122 | 103 | 71 | 130 | 82 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 930 | 37 | 92 | 84 | 114 | 120 | 93 | 139 | 75 | 109 | 98 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 940 | 120 | 126 | 123 | 95 | 102 | 104 | 125 | 102 | 91 | 114 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 950 | 114 | 75 | 81 | 47 | 20 | 114 | 150 | 96 | 61 | 143 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 960 | 139 | 133 | 99 | 128 | 77 | 140 | 156 | 161 | 118 | 80 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 970 | 174 | 99 | 4 | 141 | 112 | 3 | 32 | 121 | 42 | 71 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 980 | 17 | 2 | 66 | 82 | 49 | 121 | 169 | 170 | 206 | 171 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 990 | 135 | 77 | 64 | 73 | 131 | 102 | 205 | 152 | 184 | 81 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1000 | 108 | 59 | 59 | 69 | 90 | 2 | 73 | 136 | 154 | 76 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1010 | 117 | 98 | 95 | 43 | 21 | 77 | 118 | 124 | 119 | 82 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1020 | 132 | 108 | 103 | 117 | 171 | 172 | 165 | 171 | 126 | 151 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1030 | 116 | 75 | 71 | 113 | 122 | 31 | 43 | 78 | 98 | 98 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1040 | 72 | 23 | 89 | 98 | 70 | 60 | 53 | 78 | 14 | 59 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1050 | 95 | 70 | 122 | 64 | 93 | 67 | 84 | 107 | 89 | 88 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| 1060 | 141 | 139 | 67 | 136 | 153 | 173 | 109 | 44 | 48 | 84 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| 1070 | 95 | 98 | 111 | 103 | 91 | 90 | 137 | 114 | 101 | 162 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| 1080 | 143 | 99 | 106 | 57 | 115 | 62 | 67 | 116 | 109 | 78 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 11 | 11 | 10 |
| 1090 | 21 | 31 | 123 | 67 | 77 | 129 | 129 | 63 | 61 | 64 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1100 | 108 | 83 | 114 | 125 | 100 | 82 | 111 | 86 | 76 | 122 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1110 | 113 | 97 | 129 | 90 | 121 | 138 | 188 | 150 | 134 | 133 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1120 | 98 | 50 | 152 | 103 | 115 | 108 | 73 | 95 | 117 | 199 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1130 | 130 | 50 | 37 | 91 | 51 | 70 | 110 | 68 | 97 | 115 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 |
| 1140 | 75 | 152 | 152 | 87 | 98 | 107 | 49 | 69 | 14 | 64 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1150 | 9 | 31 | 192 | 127 | 99 | 100 | 19 | 55 | 48 | 144 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1160 | 138 | 24 | 177 | 136 | 112 | 109 | 96 | 146 | 55 | 71 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1170 | 153 | 150 | 177 | 97 | 44 | 90 | 48 | 92 | 103 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1180 | 115 | 117 | 42 | 72 | 170 | 139 | 27 | 81 | 113 | 84 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1190 | 142 | 76 | 43 | 73 | 114 | 148 | 141 | 140 | 88 | 84 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 |
| 1200 | 114 | 156 | 142 | 138 | 135 | 39 | 59 | 158 | 119 | 164 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |
| 1210 | 124 | 169 | 102 | 150 | 76 | 53 | 44 | 1 | 46 | 134 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1220 | 66 | 61 | 95 | 102 | 97 | 62 | 115 | 34 | 127 | 77 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| 1230 | 106 | 112 | 108 | 111 | 123 | 160 | 86 | 151 | 120 | 177 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1240 | 55 | 159 | 140 | 115 | 133 | 89 | 29 | 43 | 113 | 111 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1250 | 107 | 29 | 75 | 123 | 19 | 123 | 112 | 125 | 5 | 128 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 1260 | 109 | 63 | 96 | 96 | 59 | 64 | 88 | 146 | 122 | 131 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 1270 | 82 | 123 | 89 | 75 | 103 | 170 | 34 | 122 | 43 | 98 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1280 | 51 | 110 | 77 | 76 | 96 | 84 | 66 | 98 | 84 | 102 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 |
| 1290 | 146 | 111 | 102 | 127 | 87 | 49 | 80 | 59 | 94 | 60 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1300 | 86 | 91 | 94 | 97 | 103 | 114 | 102 | 85 | 64 | 101 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1310 | 108 | 91 | 98 | 138 | 142 | 124 | 70 | 100 | 157 | 150 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| 1320 | 170 | 154 | 122 | 91 | 99 | 156 | 105 | 91 | 63 | 110 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1330 | 136 | 112 | 151 | 122 | 93 | 53 | 92 | 109 | 53 | 126 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1340 | 79 | 95 | 79 | 78 | 102 | 104 | 103 | 33 | 60 | 124 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1350 | 60 | 55 | 55 | 146 | 149 | 71 | 142 | 118 | 133 | 123 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1360 | 96 | 66 | 55 | 69 | 74 | 92 | 101 | 107 | 170 | 56 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1370 | 110 | 65 | 82 | 93 | 129 | 76 | 65 | 94 | 105 | 101 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1380 | 131 | 113 | 128 | 145 | 123 | 138 | 127 | 122 | 125 | 113 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1390 | 37 | 103 | 129 | 132 | 142 | 107 | 83 | 79 | 101 | 30 | 11 | 11 | 11 | 11 | 11 | 11 | 9 | 9 | 9 | 9 |
| 1400 | 19 | 79 | 79 | 59 | 138 | 84 | 114 | 57 | 112 | 171 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| 1410 | 106 | 52 | 153 | 25 | 147 | 56 | 79 | 103 | 33 | 61 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1420 | 96 | 43 | 91 | 26 | 66 | 107 | 143 | 132 | 209 | 153 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1430 | 115 | 128 | 107 | 153 | 130 | 55 | 65 | 81 | 37 | 107 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 |
| 1440 | 103 | 142 | 83 | 100 | 123 | 53 | 101 | 101 | 61 | 21 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1450 | 35 | 118 | 83 | 118 | 91 | 45 | 81 | 37 | 150 | 116 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1460 | 55 | 73 | 159 | 97 | 39 | 81 | 149 | 151 | 95 | 147 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1470 | 100 | 35 | 116 | 54 | 72 | 31 | 84 | 99 | 149 | 82 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1480 | 20 | 139 | 134 | 80 | 203 | 170 | 212 | 101 | 177 | 145 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 1490 | 132 | 163 | 119 | 100 | 139 | 6 | 74 | 83 | 175 | 125 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 11 |
| 1500 | 9 | 98 | 113 | 124 | 117 | 127 | 19 | 84 | 86 | 122 | 11 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1510 | 65 | 137 | 104 | 121 | 117 | 148 | 39 | 59 | 89 | 135 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1520 | 118 | 130 | 96 | 97 | 79 | 112 | 153 | 90 | 113 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 |
| 1530 | 96 | 109 | 40 | 88 | 91 | 60 | 123 | 141 | 57 | 124 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1540 | 127 | 127 | 33 | 121 | 140 | 64 | 111 | 134 | 116 | 108 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1550 | 118 | 77 | 97 | 97 | 52 | 127 | 138 | 145 | 118 | 128 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1560 | 71 | 90 | 75 | 100 | 111 | 144 | 93 | 79 | 99 | 110 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1570 | 127 | 114 | 121 | 38 | 91 | 79 | 38 | 131 | 81 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1580 | 34 | 70 | 41 | 16 | 53 | 12 | 87 | 45 | 99 | 82 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1590 | 28 | 90 | 10 | 11 | 129 | 105 | 137 | 87 | 44 | 110 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 13 |
| 1600 | 27 | 91 | 89 | 121 | 104 | 138 | 117 | 79 | 136 | 156 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 |
| 1610 | 184 | 166 | 120 | 146 | 93 | 119 | 83 | 161 | 169 | 98 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 |
| 1620 | 134 | 176 | 98 | 68 | 97 | 61 | 49 | 168 | 99 | 129 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 |
| 1630 | 148 | 96 | 62 | 158 | 136 | 139 | 83 | 98 | 70 | 122 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1640 | 115 | 113 | 75 | 95 | 100 | 47 | 108 | 101 | 55 | 91 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1650 | 108 | 156 | 79 | 107 | 44 | 123 | 87 | 31 | 41 | 100 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 17 |
| 1660 | 151 | 126 | 77 | 79 | 18 | 108 | 75 | 42 | 58 | 77 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1670 | 73 | 118 | 129 | 145 | 153 | 80 | 55 | 88 | 103 | 88 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 21 | 21 |
| 1680 | 173 | 115 | 122 | 140 | 48 | 11 | 119 | 120 | 123 | 169 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1690 | 127 | 105 | 177 | 129 | 79 | 107 | 62 | 111 | 81 | 137 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1700 | 97 | 152 | 95 | 61 | 71 | 114 | 117 | 46 | 83 | 92 | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 22 | 22 | 22 |
| 1710 | 110 | 92 | 111 | 97 | 75 | 107 | 56 | 86 | 110 | 66 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1720 | 186 | 108 | 79 | 118 | 97 | 144 | 162 | 136 | 109 | 45 | 21 | 20 | 20 | 20 | 20 | 19 | 19 | 19 | 19 | 18 |
| 1730 | 96 | 130 | 151 | 99 | 123 | 29 | 93 | 70 | 110 | 85 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1740 | 98 | 99 | 105 | 169 | 82 | 163 | 165 | 123 | 24 | 147 | 18 | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1750 | 92 | 77 | 77 | 93 | 156 | 80 | 52 | 67 | 94 | 106 | 16 | 16 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

17 GOBERNADOR ID 803000
CENTRAL LAT 36 DEG 45 MIN, LONG 107 DEG 30 MIN, ELEV 6600 FT
SPECIES: ARCHAEOL - PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1760 | 122 | 120 | 130 | 86 | 139 | 90 | 127 | 95 | 97 | 82 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1770 | 116 | 140 | 116 | 54 | 107 | 86 | 88 | 66 | 80 | 78 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1780 | 47 | 81 | 62 | 96 | 148 | 104 | 107 | 119 | 70 | 84 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1790 | 109 | 133 | 127 | 179 | 103 | 104 | 121 | 89 | 88 | 127 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1800 | 108 | 91 | 115 | 83 | 98 | 54 | 30 | 116 | 97 | 81 | 19 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1810 | 97 | 107 | 85 | 78 | 105 | 131 | 196 | 148 | 64 | 41 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1820 | 81 | 127 | 50 | 39 | 48 | 99 | 96 | 65 | 160 | 96 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1830 | 128 | 133 | 149 | 153 | 111 | 140 | 126 | 135 | 161 | 163 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1840 | 161 | 135 | 98 | 78 | 125 | 87 | 92 | 49 | 111 | 164 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1850 | 146 | 35 | 164 | 127 | 134 | 126 | 128 | 95 | 114 | 85 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1860 | 127 | 32 | 102 | 96 | 38 | 98 | 137 | 139 | 141 | 128 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1870 | 44 | 52 | 70 | 31 | 67 | 72 | 15 | 63 | 83 | 68 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1880 | 57 | 63 | 54 | 27 | 43 | 70 | 78 | 46 | 120 | 80 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1890 | 58 | 115 | 73 | 50 | 52 | 104 | 21 | 124 | 92 | 11 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1900 | 54 | 73 | 20 | 123 | 13 | 177 | 186 | 192 | 141 | 135 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1910 | 83 | 197 | 122 | 84 | 180 | 155 | 161 | 137 | 93 | 173 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1920 | 193 | 144 | 102 | 105 | 120 | 103 | 135 | 157 | 115 | 87 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1930 | 104 | 52 | 117 | 87 | 70 | 104 | 103 | 145 | 102 | 63 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1940 | 111 | 154 | 127 | 70 | 75 | 111 | 41 | 69 | 80 | 116 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1950 | 32 | 13 | 121 | 56 | 91 | 74 | 30 | 96 | 99 | 67 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1960 | 101 | 99 | 121 | 103 | 65 | 176 | 117 | 62 | 94 | 97 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1970 | 112 | 96 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .256 STANDARD DEVIATION = .391 MEAN SENSITIVITY = .437 N = 1349

18 JEMEZ MOUNTAINS ID 890030
CNETRAL LAT 35 DEG 40 MIN, LONG 106 DEG 30 MIN, ELEV 6600 FT
SPECIES: ARCHAEOL - PNN PP, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 598 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 108 | 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 600 | 119 | 114 | 85 | 44 | 65 | 85 | 101 | 141 | 243 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 610 | 90 | 115 | 127 | 132 | 151 | 74 | 166 | 184 | 248 | 149 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 620 | 39 | 231 | 240 | 104 | 56 | 16 | 32 | 97 | 130 | 146 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 630 | 130 | 195 | 147 | 81 | 24 | 24 | 98 | 155 | 98 | 65 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 640 | 24 | 90 | 122 | 49 | 90 | 33 | 90 | 82 | 33 | 212 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 650 | 174 | 185 | 190 | 169 | 71 | 134 | 90 | 100 | 72 | 76 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 660 | 83 | 60 | 103 | 49 | 75 | 102 | 40 | 137 | 160 | 135 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 670 | 116 | 96 | 0 | 117 | 49 | 40 | 118 | 63 | 34 | 133 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 680 | 72 | 49 | 90 | 132 | 158 | 138 | 29 | 133 | 127 | 177 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 690 | 151 | 88 | 83 | 113 | 59 | 139 | 101 | 133 | 62 | 88 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 700 | 75 | 57 | 112 | 72 | 25 | 68 | 36 | 89 | 127 | 103 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 710 | 86 | 72 | 23 | 117 | 201 | 216 | 154 | 52 | 136 | 145 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 720 | 150 | 71 | 59 | 4 | 20 | 176 | 157 | 85 | 138 | 99 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 730 | 125 | 122 | 106 | 89 | 94 | 24 | 12 | 128 | 22 | 106 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 740 | 131 | 115 | 37 | 9 | 115 | 127 | 221 | 187 | 55 | 242 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 750 | 98 | 63 | 117 | 115 | 143 | 65 | 127 | 66 | 92 | 66 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 760 | 45 | 148 | 120 | 103 | 103 | 85 | 181 | 120 | 98 | 112 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 770 | 64 | 92 | 126 | 79 | 4 | 69 | 156 | 130 | 34 | 55 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 780 | 128 | 64 | 33 | 51 | 104 | 107 | 58 | 180 | 97 | 45 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 790 | 51 | 107 | 126 | 79 | 87 | 55 | 105 | 90 | 105 | 95 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 800 | 222 | 181 | 153 | 143 | 104 | 125 | 154 | 35 | 89 | 14 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 810 | 86 | 78 | 97 | 130 | 138 | 167 | 84 | 105 | 61 | 21 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 820 | 67 | 167 | 107 | 13 | 37 | 79 | 164 | 141 | 138 | 83 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 830 | 144 | 102 | 91 | 103 | 139 | 24 | 105 | 16 | 136 | 123 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 840 | 39 | 115 | 117 | 134 | 101 | 107 | 65 | 66 | 94 | 126 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 850 | 68 | 64 | 106 | 155 | 159 | 147 | 163 | 92 | 208 | 137 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 860 | 179 | 96 | 121 | 129 | 74 | 114 | 151 | 104 | 34 | 117 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 870 | 36 | 117 | 92 | 177 | 102 | 55 | 104 | 130 | 27 | 120 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 880 | 134 | 98 | 25 | 144 | 51 | 123 | 147 | 132 | 147 | 108 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 890 | 176 | 61 | 9 | 127 | 62 | 93 | 96 | 70 | 46 | 76 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 900 | 39 | 1 | 95 | 78 | 105 | 119 | 15 | 5 | 131 | 88 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 910 | 96 | 115 | 48 | 80 | 78 | 131 | 157 | 134 | 142 | 143 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 920 | 108 | 100 | 41 | 117 | 39 | 116 | 108 | 72 | 113 | 100 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 930 | 98 | 91 | 110 | 119 | 132 | 115 | 127 | 100 | 121 | 78 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 940 | 129 | 176 | 116 | 54 | 107 | 122 | 163 | 110 | 119 | 177 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 950 | 76 | 51 | 98 | 36 | 29 | 80 | 150 | 108 | 26 | 130 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 960 | 132 | 45 | 158 | 107 | 107 | 76 | 156 | 175 | 181 | 49 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 970 | 151 | 105 | 59 | 107 | 56 | 13 | 115 | 123 | 77 | 106 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| 980 | 57 | 64 | 94 | 73 | 49 | 128 | 164 | 187 | 159 | 196 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 990 | 109 | 43 | 42 | 68 | 151 | 169 | 172 | 163 | 130 | 25 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 |
| 1000 | 104 | 32 | 70 | 46 | 90 | 54 | 57 | 153 | 137 | 52 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 1010 | 62 | 41 | 121 | 87 | 34 | 125 | 141 | 73 | 100 | 50 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1020 | 101 | 102 | 94 | 83 | 166 | 170 | 196 | 100 | 138 | 162 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 10 | 10 | 11 |
| 1030 | 52 | 101 | 120 | 133 | 75 | 17 | 92 | 97 | 135 | 90 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1040 | 102 | 32 | 111 | 100 | 38 | 47 | 91 | 80 | 21 | 94 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 1050 | 119 | 64 | 151 | 148 | 109 | 104 | 118 | 120 | 76 | 86 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1060 | 143 | 123 | 77 | 180 | 153 | 177 | 166 | 61 | 35 | 87 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 1070 | 106 | 102 | 122 | 92 | 92 | 40 | 131 | 116 | 117 | 87 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1080 | 106 | 57 | 181 | 80 | 94 | 22 | 102 | 93 | 117 | 146 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1090 | 11 | 32 | 118 | 76 | 67 | 143 | 105 | 49 | 60 | 12 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1100 | 70 | 134 | 141 | 96 | 172 | 85 | 112 | 89 | 90 | 156 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 |
| 1110 | 125 | 131 | 114 | 116 | 67 | 100 | 117 | 126 | 156 | 132 | 6 | 7 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 1120 | 131 | 45 | 138 | 98 | 107 | 110 | 109 | 87 | 109 | 151 | 10 | 10 | 10 | 10 | 10 | 8 | 8 | 8 | 8 | 7 |
| 1130 | 86 | 48 | 67 | 93 | 32 | 45 | 106 | 49 | 57 | 76 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 7 | 7 |
| 1140 | 44 | 113 | 131 | 63 | 88 | 140 | 47 | 92 | 104 | 96 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 1150 | 34 | 32 | 136 | 172 | 157 | 134 | 69 | 34 | 37 | 120 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| 1160 | 142 | 99 | 206 | 182 | 129 | 119 | 59 | 143 | 94 | 54 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| 1170 | 107 | 166 | 94 | 119 | 55 | 116 | 80 | 64 | 112 | 104 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 1180 | 137 | 146 | 50 | 90 | 164 | 134 | 37 | 70 | 86 | 66 | 9 | 9 | 9 | 9 | 10 | 11 | 11 | 11 | 11 | 11 |
| 1190 | 98 | 151 | 54 | 66 | 113 | 111 | 117 | 95 | 72 | 91 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1200 | 164 | 190 | 136 | 156 | 124 | 61 | 81 | 132 | 93 | 144 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1210 | 116 | 136 | 113 | 104 | 56 | 58 | 43 | 17 | 41 | 106 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1220 | 59 | 29 | 78 | 88 | 48 | 83 | 84 | 27 | 131 | 154 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1230 | 167 | 120 | 141 | 102 | 81 | 136 | 124 | 120 | 150 | 94 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 10 |
| 1240 | 65 | 179 | 143 | 125 | 159 | 162 | 60 | 79 | 60 | 94 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1250 | 77 | 15 | 46 | 93 | 7 | 95 | 45 | 107 | 27 | 121 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1260 | 87 | 64 | 134 | 55 | 91 | 89 | 128 | 128 | 187 | 122 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 |
| 1270 | 90 | 107 | 100 | 70 | 92 | 123 | 38 | 81 | 40 | 103 | 11 | 11 | 11 | 11 | 12 | 12 | 11 | 11 | 11 | 11 |
| 1280 | 39 | 101 | 69 | 112 | 74 | 112 | 43 | 128 | 53 | 125 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1290 | 154 | 66 | 82 | 145 | 82 | 96 | 70 | 155 | 174 | 113 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 15 | 15 |
| 1300 | 162 | 123 | 161 | 97 | 58 | 144 | 69 | 93 | 68 | 161 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 |
| 1310 | 142 | 91 | 69 | 162 | 143 | 35 | 35 | 119 | 145 | 145 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 15 | 14 |
| 1320 | 104 | 134 | 119 | 80 | 69 | 177 | 90 | 91 | 81 | 113 | 15 | 16 | 16 | 17 | 17 | 17 | 16 | 16 | 16 | 17 |
| 1330 | 145 | 93 | 158 | 162 | 126 | 77 | 78 | 78 | 26 | 88 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1340 | 63 | 60 | 67 | 96 | 116 | 122 | 142 | 19 | 88 | 115 | 18 | 18 | 19 | 20 | 20 | 21 | 21 | 21 | 21 | 21 |
| 1350 | 116 | 130 | 98 | 148 | 143 | 81 | 119 | 90 | 140 | 152 | 20 | 20 | 20 | 21 | 21 | 22 | 22 | 22 | 23 | 23 |
| 1360 | 93 | 129 | 73 | 42 | 89 | 128 | 87 | 102 | 155 | 40 | 23 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 23 |
| 1370 | 137 | 103 | 145 | 110 | 124 | 83 | 40 | 59 | 119 | 80 | 23 | 24 | 24 | 25 | 25 | 25 | 25 | 25 | 26 | 26 |
| 1380 | 101 | 101 | 71 | 152 | 122 | 134 | 134 | 122 | 99 | 104 | 27 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1390 | 52 | 60 | 124 | 133 | 111 | 147 | 76 | 67 | 120 | 31 | 25 | 25 | 24 | 25 | 25 | 25 | 25 | 25 | 24 | 24 |
| 1400 | 37 | 99 | 100 | 90 | 120 | 92 | 115 | 42 | 127 | 136 | 25 | 25 | 24 | 23 | 22 | 21 | 21 | 21 | 19 | 19 |
| 1410 | 153 | 73 | 132 | 44 | 152 | 98 | 65 | 91 | 39 | 29 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1420 | 43 | 91 | 33 | 130 | 28 | 104 | 124 | 112 | 162 | 103 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 17 | 17 | 16 |
| 1430 | 102 | 140 | 76 | 172 | 151 | 127 | 93 | 129 | 59 | 122 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 14 | 14 | 14 |
| 1440 | 113 | 134 | 119 | 146 | 94 | 53 | 153 | 127 | 116 | 60 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 | 16 | 16 |
| 1450 | 50 | 123 | 102 | 126 | 115 | 57 | 90 | 61 | 138 | 65 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1460 | 73 | 34 | 93 | 96 | 49 | 106 | 167 | 139 | 125 | 121 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 |
| 1470 | 74 | 14 | 91 | 74 | 77 | 19 | 126 | 65 | 153 | 100 | 15 | 14 | 14 | 14 | 14 | 14 | 13 | 12 | 12 | 11 |
| 1480 | 22 | 113 | 127 | 71 | 190 | 176 | 140 | 81 | 132 | 117 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 12 | 13 |
| 1490 | 111 | 100 | 146 | 76 | 137 | 28 | 116 | 91 | 171 | 132 | 14 | 14 | 14 | 14 | 14 | 13 | 14 | 14 | 14 | 14 |
| 1500 | 47 | 95 | 89 | 107 | 82 | 93 | 42 | 114 | 121 | 90 | 15 | 15 | 15 | 14 | 14 | 13 | 13 | 13 | 13 | 13 |
| 1510 | 97 | 169 | 134 | 178 | 144 | 148 | 12 | 50 | 118 | 157 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 13 | 12 | 11 |
| 1520 | 161 | 170 | 24 | 27 | 39 | 58 | 100 | 97 | 55 | 100 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 |
| 1530 | 97 | 115 | 64 | 111 | 117 | 74 | 139 | 130 | 79 | 174 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 |
| 1540 | 229 | 195 | 38 | 182 | 84 | 68 | 75 | 92 | 57 | 56 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1550 | 133 | 72 | 77 | 122 | 33 | 106 | 111 | 128 | 101 | 97 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1560 | 21 | 74 | 49 | 56 | 92 | 138 | 116 | 63 | 106 | 178 | 13 | 13 | 13 | 12 | 12 | 10 | 10 | 10 | 10 | 10 |
| 1570 | 163 | 84 | 141 | 33 | 96 | 108 | 41 | 207 | 110 | 14 | 10 | 10 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 7 |
| 1580 | 10 | 52 | 53 | 12 | 61 | 13 | 96 | 73 | 91 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1590 | 7 | 70 | 56 | 14 | 181 | 168 | 240 | 102 | 94 | 205 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| 1600 | 42 | 61 | 117 | 120 | 86 | 114 | 135 | 97 | 116 | 139 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1610 | 230 | 208 | 136 | 134 | 79 | 108 | 73 | 135 | 130 | 111 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 5 | 5 |
| 1620 | 117 | 157 | 124 | 112 | 46 | 51 | 60 | 148 | 75 | 147 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1630 | 125 | 82 | 35 | 119 | 119 | 94 | 125 | 84 | 48 | 103 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1640 | 115 | 87 | 78 | 131 | 116 | 79 | 130 | 138 | 38 | 119 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| 1650 | 102 | 168 | 195 | 101 | 102 | 165 | 115 | 78 | 81 | 73 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 10 | 10 |
| 1660 | 116 | 155 | 119 | 95 | 46 | 119 | 78 | 52 | 58 | 58 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 |
| 1670 | 49 | 86 | 95 | 120 | 113 | 107 | 42 | 87 | 100 | 93 | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 13 | 14 |
| 1680 | 133 | 49 | 107 | 140 | 81 | 18 | 72 | 98 | 92 | 151 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1690 | 122 | 98 | 153 | 113 | 104 | 123 | 41 | 106 | 79 | 138 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 |
| 1700 | 88 | 138 | 75 | 112 | 53 | 77 | 150 | 98 | 141 | 80 | 19 | 19 | 19 | 20 | 20 | 21 | 21 | 22 | 23 | 23 |
| 1710 | 150 | 67 | 134 | 113 | 60 | 74 | 53 | 95 | 118 | 66 | 26 | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 29 | 29 |
| 1720 | 153 | 142 | 136 | 142 | 101 | 108 | 149 | 114 | 80 | 32 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 |

18 JEMEZ MOUNTAINS ID 890000
CNETRAL LAT 35 DEG 40 MIN, LONG 106 DEG 30 MIN, ELEV 6600 FT
SPECIES: ARCHAEOL - PNN PP, LIVING - PNN

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | 67 | 100 | 104 | 32 | 120 | 45 | 99 | 44 | 59 | 31 | 27 | 27 | 27 | 27 | 27 | 26 | 26 | 26 | 26 | 26 |
| 1740 | 89 | 88 | 79 | 125 | 105 | 136 | 169 | 172 | 18 | 160 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1750 | 72 | 129 | 27 | 113 | 122 | 85 | 73 | 40 | 122 | 114 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1760 | 86 | 133 | 135 | 40 | 119 | 92 | 140 | 142 | 146 | 11F | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1770 | 132 | 160 | 91 | 9 | 71 | 70 | 65 | 68 | 98 | 50 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1780 | 39 | 53 | 61 | 126 | 188 | 138 | 82 | 179 | 122 | 56 | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1790 | 136 | 142 | 142 | 199 | 102 | 142 | 72 | 77 | 154 | 142 | 24 | 24 | 24 | 23 | 24 | 24 | 24 | 24 | 24 | 25 |
| 1800 | 123 | 65 | 93 | 116 | 127 | 104 | 9 | 132 | 93 | 70 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1810 | 125 | 139 | 93 | 81 | 84 | 134 | 171 | 173 | 52 | 6F | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1820 | 120 | 147 | 2 | 20 | 63 | 109 | 104 | 67 | 151 | 91 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1830 | 135 | 66 | 103 | 154 | 173 | 152 | 135 | 151 | 155 | 215 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1840 | 207 | 218 | 95 | 131 | 137 | 71 | 125 | 24 | 110 | 181 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1850 | 126 | 50 | 147 | 112 | 86 | 124 | 111 | 106 | 101 | 38 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 22 |
| 1860 | 112 | 28 | 39 | 107 | 14 | 111 | 147 | 136 | 177 | 174 | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 |
| 1870 | 115 | 149 | 156 | 133 | 109 | 136 | 98 | 150 | 53 | 93 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1880 | 6 | 91 | 135 | 70 | 121 | 130 | 101 | 132 | 110 | 132 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1890 | 76 | 118 | 107 | 8 | 96 | 104 | 4 | 130 | 99 | 2 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1900 | 8 | 69 | 62 | 117 | 0 | 95 | 84 | 128 | 117 | 98 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1910 | 34 | 118 | 122 | 64 | 124 | 123 | 128 | 76 | 27 | 100 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1920 | 130 | 90 | 13 | 25 | 88 | 5 | 97 | 53 | 54 | 42 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1930 | 86 | 140 | 164 | 84 | 94 | 137 | 138 | 126 | 79 | 83 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1940 | 86 | 149 | 163 | 133 | 117 | 128 | 3 | 93 | 125 | 145 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1950 | 21 | 3 | 79 | 41 | 69 | 1F | 2 | 17 | 98 | 69 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1960 | 115 | 115 | 55 | 60 | 52 | 131 | 78 | 1 | 147 | 147 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1970 | 169 | 52 | 158 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 21 | 21 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .237 STANDARD DEVIATION = .446 MEAN SENSITIVITY = .514 N = 1375

19 CHAMA VALLEY ID 900005
CENTRAL LAT 36 DEG 17 MIN, LONG 106 DEG 32 MIN, ELEV 6700 FT
SPECIES: ARCHAEOL - PP PNN JUN DF, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 680 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 710 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 720 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 730 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 740 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 750 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 760 | 64 | 93 | 98 | 80 | 62 | 129 | 159 | 116 | 119 | 118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 770 | 100 | 66 | 130 | 63 | 64 | 138 | 191 | 117 | 127 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 780 | 126 | 102 | 76 | 68 | 135 | 98 | 72 | 138 | 98 | 101 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 790 | 106 | 129 | 117 | 103 | 100 | 72 | 90 | 41 | 109 | 77 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 800 | 99 | 98 | 108 | 114 | 103 | 103 | 79 | 64 | 81 | 39 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 810 | 80 | 85 | 124 | 163 | 128 | 124 | 59 | 36 | 33 | 73 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 820 | 118 | 173 | 115 | 29 | 61 | 61 | 92 | 57 | 160 | 61 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 830 | 80 | 127 | 96 | 87 | 70 | 77 | 118 | 114 | 136 | 97 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 840 | 40 | 133 | 105 | 203 | 157 | 152 | 79 | 61 | 102 | 87 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 850 | 120 | 87 | 99 | 161 | 164 | 120 | 186 | 57 | 187 | 136 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 860 | 167 | 91 | 140 | 49 | 113 | 106 | 122 | 2 | 18 | 120 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 870 | 58 | 129 | 85 | 112 | 99 | 93 | 165 | 126 | 11 | 150 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 880 | 105 | 142 | 101 | 130 | 29 | 140 | 175 | 162 | 220 | 114 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 890 | 160 | 58 | 64 | 163 | 58 | 34 | 127 | 58 | 65 | 132 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 900 | 84 | 68 | 81 | 100 | 60 | 161 | 25 | 0 | 152 | 87 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 910 | 80 | 152 | 32 | 85 | 115 | 129 | 117 | 190 | 142 | 156 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 920 | 107 | 137 | 39 | 82 | 3 | 118 | 82 | 50 | 160 | 116 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 930 | 37 | 109 | 92 | 98 | 112 | 47 | 87 | 55 | 143 | 57 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 940 | 61 | 89 | 76 | 61 | 102 | 86 | 109 | 113 | 123 | 153 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 950 | 149 | 95 | 112 | 75 | 23 | 70 | 123 | 92 | 62 | 120 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 960 | 122 | 103 | 112 | 133 | 66 | 86 | 143 | 122 | 93 | 98 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 970 | 152 | 93 | 34 | 134 | 92 | 30 | 66 | 138 | 62 | 81 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 980 | 3 | 18 | 57 | 87 | 73 | 137 | 133 | 164 | 175 | 167 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 990 | 152 | 81 | 78 | 40 | 116 | 86 | 127 | 124 | 127 | 63 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1000 | 132 | 71 | 79 | 110 | 69 | 5 | 92 | 107 | 127 | 88 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1010 | 76 | 93 | 60 | 16 | 29 | 81 | 111 | 130 | 125 | 53 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1020 | 133 | 115 | 110 | 173 | 186 | 204 | 165 | 147 | 156 | 182 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1030 | 117 | 95 | 113 | 144 | 117 | 18 | 31 | 117 | 95 | 114 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1040 | 124 | 52 | 130 | 83 | 45 | 68 | 41 | 69 | 41 | 61 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1050 | 92 | 103 | 154 | 114 | 168 | 123 | 137 | 130 | 107 | 97 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 1060 | 139 | 147 | 57 | 161 | 175 | 207 | 158 | 45 | 21 | 82 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1070 | 89 | 95 | 117 | 89 | 125 | 92 | 126 | 112 | 71 | 132 | 6 | 6 | 6 | 5 | 6 | 6 | 5 | 5 | 5 | 5 |
| 1080 | 119 | 61 | 110 | 46 | 82 | 50 | 33 | 77 | 86 | 97 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 |
| 1090 | 6 | 36 | 98 | 20 | 74 | 94 | 106 | 90 | 93 | 63 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| 1100 | 101 | 96 | 138 | 124 | 109 | 79 | 148 | 76 | 111 | 173 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1110 | 140 | 110 | 169 | 122 | 124 | 86 | 107 | 144 | 90 | 136 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 1120 | 93 | 51 | 105 | 63 | 125 | 101 | 68 | 74 | 112 | 192 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 8 |
| 1130 | 129 | 45 | 88 | 110 | 84 | 83 | 110 | 71 | 92 | 130 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| 1140 | 73 | 136 | 118 | 78 | 96 | 118 | 49 | 84 | 56 | 98 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 |
| 1150 | 33 | 20 | 149 | 111 | 124 | 109 | 59 | 89 | 67 | 118 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1160 | 110 | 69 | 158 | 152 | 142 | 118 | 83 | 134 | 85 | 75 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1170 | 105 | 135 | 126 | 133 | 66 | 68 | 80 | 48 | 92 | 99 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1180 | 118 | 127 | 56 | 75 | 140 | 127 | 30 | 60 | 98 | 77 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 16 |
| 1190 | 113 | 121 | 65 | 96 | 113 | 153 | 155 | 146 | 80 | 66 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 19 |
| 1200 | 146 | 133 | 127 | 110 | 124 | 63 | 73 | 142 | 94 | 151 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 |
| 1210 | 126 | 142 | 97 | 134 | 59 | 67 | 48 | 12 | 60 | 117 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1220 | 74 | 74 | 71 | 122 | 78 | 56 | 124 | 34 | 122 | 127 | 19 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1230 | 148 | 146 | 150 | 86 | 79 | 107 | 93 | 126 | 152 | 119 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1240 | 56 | 173 | 122 | 80 | 126 | 103 | 45 | 93 | 68 | 108 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1250 | 76 | 19 | 22 | 112 | 3 | 91 | 75 | 149 | 35 | 161 | 19 | 19 | 19 | 17 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1260 | 115 | 72 | 158 | 84 | 67 | 115 | 126 | 128 | 162 | 107 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1270 | 120 | 104 | 130 | 84 | 74 | 174 | 30 | 134 | 24 | 139 | 15 | 15 | 17 | 15 | 15 | 15 | 15 | 15 | 15 | 17 |
| 1280 | 26 | 89 | 91 | 116 | 71 | 104 | 67 | 122 | 58 | 87 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1290 | 198 | 59 | 42 | 166 | 78 | 86 | 69 | 131 | 177 | 105 | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 15 |
| 1300 | 140 | 154 | 136 | 107 | 49 | 162 | 99 | 100 | 92 | 145 | 15 | 15 | 15 | 15 | 14 | 14 | 13 | 13 | 13 | 13 |
| 1310 | 150 | 85 | 60 | 156 | 124 | 3 | 10 | 67 | 120 | 115 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 |
| 1320 | 92 | 105 | 73 | 83 | 73 | 171 | 99 | 82 | 58 | 123 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1330 | 126 | 78 | 138 | 135 | 89 | 54 | 74 | 113 | 72 | 142 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 8 |
| 1340 | 82 | 57 | 77 | 72 | 123 | 121 | 151 | 35 | 101 | 169 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1350 | 87 | 123 | 39 | 176 | 172 | 120 | 153 | 145 | 180 | 152 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1360 | 73 | 124 | 58 | 60 | 73 | 111 | 91 | 89 | 165 | 91 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1370 | 149 | 106 | 162 | 136 | 174 | 112 | 36 | 123 | 146 | 120 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 1380 | 140 | 128 | 63 | 178 | 123 | 110 | 97 | 101 | 58 | 80 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1390 | 20 | 64 | 91 | 93 | 85 | 109 | 99 | 88 | 149 | 90 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 |
| 1400 | 50 | 92 | 97 | 74 | 153 | 98 | 160 | 59 | 114 | 144 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| 1410 | 177 | 75 | 164 | 74 | 108 | 57 | 75 | 140 | 70 | 62 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| 1420 | 80 | 96 | 82 | 82 | 30 | 112 | 131 | 158 | 107 | 104 | 9 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |
| 1430 | 102 | 114 | 73 | 140 | 155 | 102 | 107 | 70 | 33 | 143 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 8 | 8 |
| 1440 | 114 | 136 | 77 | 151 | 44 | 28 | 129 | 140 | 120 | 60 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1450 | 48 | 170 | 103 | 92 | 74 | 39 | 98 | 29 | 139 | 92 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| 1460 | 95 | 32 | 81 | 34 | 37 | 62 | 120 | 107 | 78 | 107 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 |
| 1470 | 112 | 36 | 109 | 71 | 57 | 54 | 78 | 68 | 97 | 89 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1480 | 12 | 135 | 77 | 84 | 165 | 152 | 126 | 63 | 74 | 107 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1490 | 87 | 134 | 128 | 113 | 122 | 18 | 44 | 59 | 158 | 147 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1500 | 88 | 95 | 96 | 82 | 72 | 92 | 33 | 88 | 23 | 116 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1510 | 68 | 103 | 129 | 197 | 180 | 194 | 19 | 27 | 155 | 89 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1520 | 140 | 133 | 63 | 95 | 65 | 85 | 114 | 97 | 121 | 172 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1530 | 118 | 144 | 59 | 77 | 103 | 47 | 78 | 118 | 48 | 104 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1540 | 139 | 113 | 15 | 118 | 68 | 48 | 66 | 96 | 77 | 112 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 |
| 1550 | 161 | 79 | 118 | 112 | 97 | 131 | 117 | 139 | 91 | 65 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1560 | 57 | 80 | 93 | 72 | 63 | 96 | 60 | 36 | 48 | 94 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1570 | 144 | 91 | 114 | 72 | 70 | 73 | 77 | 104 | 58 | 18 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 1580 | 31 | 66 | 67 | 54 | 49 | 45 | 84 | 68 | 116 | 150 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1590 | 64 | 124 | 84 | 14 | 142 | 127 | 136 | 151 | 58 | 99 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1600 | 68 | 72 | 102 | 108 | 117 | 132 | 97 | 69 | 130 | 133 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1610 | 209 | 196 | 150 | 199 | 127 | 64 | 85 | 144 | 140 | 102 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 |
| 1620 | 152 | 123 | 96 | 88 | 67 | 28 | 86 | 121 | 89 | 135 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 |
| 1630 | 142 | 104 | 74 | 84 | 110 | 118 | 126 | 79 | 38 | 142 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1640 | 142 | 66 | 63 | 103 | 85 | 39 | 174 | 203 | 139 | 160 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 |
| 1650 | 135 | 191 | 128 | 125 | 76 | 168 | 106 | 59 | 61 | 57 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1660 | 129 | 118 | 116 | 107 | 25 | 81 | 63 | 55 | 52 | 50 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1670 | 95 | 77 | 84 | 126 | 99 | 89 | 38 | 83 | 63 | 66 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 |
| 1680 | 129 | 85 | 88 | 89 | 55 | 2 | 131 | 99 | 50 | 140 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1690 | 133 | 115 | 120 | 124 | 66 | 85 | 35 | 72 | 75 | 102 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1700 | 52 | 141 | 111 | 115 | 46 | 74 | 124 | 70 | 107 | 50 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1710 | 187 | 125 | 143 | 121 | 43 | 91 | 27 | 98 | 91 | 52 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1720 | 149 | 174 | 124 | 151 | 105 | 124 | 147 | 125 | 76 | 15 | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 |
| 1730 | 98 | 93 | 105 | 68 | 83 | 46 | 110 | 44 | 37 | 48 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1740 | 68 | 78 | 85 | 117 | 72 | 129 | 184 | 233 | 57 | 143 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1750 | 91 | 92 | 52 | 78 | 134 | 94 | 40 | 42 | 90 | 112 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1760 | 103 | 138 | 153 | 55 | 141 | 162 | 136 | 66 | 141 | 114 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1770 | 170 | 250 | 183 | 60 | 79 | 73 | 112 | 69 | 101 | 61 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1780 | 62 | 89 | 74 | 115 | 134 | 100 | 57 | 124 | 74 | 98 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1790 | 72 | 111 | 126 | 157 | 127 | 125 | 84 | 111 | 107 | 77 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 23 |
| 1800 | 122 | 86 | 104 | 101 | 101 | 73 | 25 | 107 | 75 | 72 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1810 | 54 | 72 | 70 | 84 | 81 | 125 | 183 | 160 | 67 | 28 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |

19 CHAMA VALLEY ID 900005
CENTRAL LAT 36 DEG 17 MIN, LONG 106 DEG 32 MIN, ELEV 6700 FT
SPECIES: ARCHAFOL - PP PNN JUN DF, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1820 | 105 | 151 | 53 | 74 | 96 | 119 | 134 | 97 | 160 | 68 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 24 | 24 | 24 |
| 1830 | 91 | 114 | 122 | 127 | 109 | 130 | 90 | 143 | 154 | 190 | 24 | 24 | 23 | 23 | 23 | 23 | 22 | 22 | 22 | 22 |
| 1840 | 204 | 132 | 84 | 80 | 100 | 101 | 52 | 30 | 94 | 94 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1850 | 112 | 49 | 132 | 75 | 101 | 160 | 179 | 150 | 144 | 86 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1860 | 95 | 10 | 129 | 97 | 66 | 108 | 94 | 151 | 154 | 198 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1870 | 93 | 90 | 99 | 96 | 105 | 74 | 42 | 105 | 62 | 61 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1880 | 23 | 51 | 104 | 90 | 123 | 128 | 123 | 86 | 163 | 126 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1890 | 80 | 145 | 135 | 82 | 90 | 139 | 23 | 130 | 108 | 10 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1900 | 31 | 77 | 11 | 96 | 24 | 94 | 108 | 145 | 123 | 54 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1910 | 81 | 77 | 147 | 32 | 127 | 154 | 134 | 104 | 83 | 151 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1920 | 207 | 123 | 145 | 81 | 131 | 57 | 135 | 102 | 88 | 57 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1930 | 112 | 64 | 150 | 99 | 85 | 144 | 109 | 167 | 163 | 99 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1940 | 101 | 186 | 197 | 110 | 147 | 117 | 75 | 88 | 138 | 143 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1950 | 56 | 52 | 69 | 55 | 58 | 40 | 22 | 58 | 85 | 36 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1960 | 69 | 73 | 94 | 76 | 41 | 104 | 90 | 96 | 151 | 108 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1970 | 132 | 42 | 89 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 21 | 21 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .237 STANDARD DEVIATION = .412 MEAN SENSITIVITY = .457 N = 1214

20 RIO GRANDE, NORTH ID 190009
CENTRAL LAT 36 DEG 15 MIN, LONG 105 DEG 40 MIN, ELEV 7000 FT
SPECIES: ARCHAEOL - PP JUN OF PNN, LIVING - PP

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 680 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 710 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 720 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 730 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 740 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 750 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 760 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 770 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 780 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 790 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 800 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 820 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 830 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 840 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 850 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 860 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 870 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 880 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 890 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 920 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 930 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 940 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 950 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 960 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 970 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 980 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1010 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1020 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1030 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1040 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1050 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1060 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1070 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1080 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1090 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 | 999 | 999 | 999 | 999 | 130 | 90 | 103 | 58 | 12 | 107 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1110 | 127 | 113 | 173 | 145 | 81 | 110 | 89 | 56 | 138 | 139 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1120 | 136 | 73 | 50 | 70 | 71 | 90 | 56 | 82 | 101 | 186 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1130 | 104 | 67 | 116 | 113 | 41 | 60 | 122 | 167 | 85 | 139 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1140 | 89 | 137 | 158 | 105 | 110 | 141 | 73 | 110 | 75 | 80 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1150 | 58 | 50 | 127 | 88 | 100 | 104 | 51 | 89 | 111 | 125 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1160 | 109 | 70 | 145 | 91 | 93 | 63 | 82 | 92 | 52 | 70 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 1170 | 106 | 190 | 130 | 148 | 80 | 126 | 119 | 58 | 138 | 104 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1180 | 97 | 105 | 53 | 112 | 115 | 124 | 22 | 62 | 99 | 66 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1190 | 113 | 119 | 87 | 65 | 110 | 122 | 106 | 106 | 79 | 72 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1200 | 122 | 90 | 120 | 113 | 106 | 55 | 78 | 130 | 83 | 143 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1210 | 109 | 130 | 122 | 131 | 82 | 99 | 46 | 7 | 82 | 76 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1220 | 62 | 73 | 79 | 103 | 98 | 75 | 132 | 84 | 154 | 175 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1230 | 145 | 125 | 132 | 148 | 79 | 109 | 70 | 107 | 131 | 158 | 5 | 4 | 5 | 5 | 4 | 3 | 3 | 3 | 3 | 3 |
| 1240 | 114 | 207 | 166 | 159 | 178 | 126 | 52 | 87 | 94 | 91 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1250 | 107 | 50 | 69 | 127 | 9 | 50 | 96 | 156 | 39 | 127 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1260 | 126 | 74 | 154 | 110 | 61 | 94 | 46 | 128 | 111 | 76 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1270 | 67 | 118 | 99 | 70 | 94 | 117 | 108 | 116 | 58 | 105 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1280 | 28 | 112 | 134 | 110 | 77 | 60 | 39 | 79 | 54 | 126 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1290 | 120 | 30 | 44 | 120 | 52 | 110 | 65 | 66 | 130 | 101 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1300 | 108 | 140 | 171 | 116 | 49 | 166 | 154 | 108 | 105 | 133 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 1310 | 158 | 153 | 98 | 125 | 160 | 86 | 36 | 107 | 141 | 124 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1320 | 145 | 139 | 74 | 97 | 74 | 133 | 147 | 111 | 43 | 76 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 1330 | 102 | 80 | 99 | 143 | 150 | 133 | 149 | 126 | 47 | 118 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1340 | 101 | 41 | 53 | 58 | 81 | 67 | 47 | 14 | 113 | 103 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1350 | 56 | 107 | 44 | 119 | 114 | 93 | 156 | 139 | 164 | 137 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1360 | 51 | 83 | 66 | 70 | 65 | 116 | 102 | 70 | 122 | 39 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| 1370 | 129 | 79 | 102 | 111 | 119 | 70 | 26 | 82 | 108 | 121 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1380 | 138 | 103 | 47 | 114 | 55 | 93 | 97 | 125 | 155 | 75 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1390 | 39 | 106 | 135 | 103 | 134 | 140 | 64 | 70 | 109 | 30 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1400 | 88 | 132 | 95 | 90 | 138 | 77 | 118 | 15 | 113 | 122 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1410 | 159 | 86 | 158 | 71 | 166 | 88 | 63 | 87 | 72 | 83 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1420 | 120 | 115 | 106 | 93 | 63 | 84 | 164 | 147 | 190 | 96 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1430 | 109 | 145 | 71 | 121 | 135 | 109 | 66 | 83 | 76 | 97 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 |
| 1440 | 40 | 131 | 93 | 127 | 84 | 42 | 133 | 104 | 111 | 82 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1450 | 47 | 137 | 135 | 115 | 89 | 91 | 97 | 81 | 141 | 104 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1460 | 88 | 67 | 139 | 114 | 93 | 83 | 118 | 144 | 118 | 105 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| 1470 | 87 | 42 | 137 | 108 | 92 | 38 | 75 | 54 | 99 | 112 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 7 | 7 |
| 1480 | 17 | 99 | 59 | 85 | 149 | 145 | 132 | 73 | 115 | 119 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| 1490 | 137 | 143 | 91 | 76 | 117 | 23 | 38 | 64 | 158 | 141 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1500 | 52 | 102 | 126 | 102 | 144 | 140 | 28 | 137 | 100 | 111 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1510 | 105 | 130 | 85 | 126 | 145 | 119 | 28 | 93 | 116 | 144 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1520 | 144 | 167 | 67 | 80 | 75 | 122 | 97 | 104 | 115 | 125 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 |
| 1530 | 155 | 72 | 95 | 116 | 136 | 76 | 136 | 143 | 107 | 123 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 4 |
| 1540 | 164 | 124 | 42 | 92 | 77 | 33 | 79 | 93 | 101 | 122 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1550 | 120 | 99 | 115 | 155 | 159 | 142 | 173 | 153 | 98 | 108 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1560 | 69 | 90 | 42 | 104 | 100 | 121 | 53 | 81 | 90 | 114 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1570 | 104 | 100 | 124 | 49 | 63 | 83 | 89 | 111 | 77 | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1580 | 22 | 59 | 71 | 57 | 48 | 35 | 71 | 93 | 112 | 126 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1590 | 64 | 98 | 133 | 46 | 125 | 131 | 116 | 130 | 90 | 111 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 1600 | 44 | 46 | 88 | 115 | 105 | 124 | 118 | 112 | 114 | 106 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1610 | 148 | 135 | 132 | 97 | 109 | 82 | 56 | 137 | 162 | 114 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1620 | 141 | 179 | 109 | 106 | 54 | 39 | 61 | 89 | 44 | 125 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 1630 | 131 | 97 | 102 | 94 | 88 | 145 | 136 | 125 | 73 | 121 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1640 | 132 | 87 | 107 | 121 | 132 | 95 | 135 | 121 | 69 | 112 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1650 | 72 | 113 | 138 | 89 | 39 | 128 | 114 | 98 | 106 | 97 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 1660 | 97 | 103 | 120 | 97 | 39 | 115 | 64 | 46 | 87 | 88 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1670 | 72 | 82 | 144 | 100 | 131 | 99 | 90 | 110 | 113 | 107 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1680 | 136 | 94 | 61 | 119 | 37 | 2 | 61 | 96 | 119 | 152 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 |
| 1690 | 121 | 97 | 146 | 117 | 102 | 97 | 37 | 90 | 81 | 120 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 |
| 1700 | 94 | 142 | 110 | 131 | 95 | 86 | 133 | 55 | 156 | 112 | 14 | 14 | 13 | 13 | 13 | 13 | 14 | 14 | 15 | 15 |
| 1710 | 151 | 138 | 139 | 133 | 82 | 84 | 56 | 97 | 117 | 83 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1720 | 152 | 109 | 98 | 111 | 117 | 101 | 141 | 119 | 80 | 95 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1730 | 92 | 87 | 110 | 59 | 107 | 53 | 90 | 69 | 56 | 22 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1740 | 70 | 62 | 91 | 127 | 119 | 137 | 155 | 142 | 22 | 120 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1750 | 55 | 105 | 33 | 87 | 136 | 132 | 100 | 86 | 102 | 86 | 17 | 17 | 17 | 16 | 16 | 16 | 15 | 15 | 15 | 15 |
| 1760 | 110 | 153 | 144 | 90 | 183 | 119 | 153 | 91 | 137 | 130 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 14 |
| 1770 | 149 | 192 | 154 | 46 | 102 | 112 | 104 | 96 | 95 | 71 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 |
| 1780 | 42 | 58 | 47 | 86 | 126 | 76 | 75 | 108 | 96 | 77 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1790 | 85 | 116 | 153 | 199 | 177 | 137 | 143 | 109 | 71 | 121 | 16 | 15 | 14 | 14 | 14 | 14 | 16 | 17 | 18 | 18 |
| 1800 | 131 | 45 | 79 | 84 | 112 | 93 | 49 | 99 | 92 | 74 | 18 | 18 | 18 | 18 | 18 | 21 | 20 | 21 | 19 | 19 |
| 1810 | 90 | 67 | 109 | 120 | 72 | 148 | 158 | 97 | 71 | 25 | 19 | 21 | 21 | 21 | 21 | 21 | 21 | 20 | 20 | 20 |

20 RIO GRANDE, NORTH ID 190009
CENTRAL LAT 36 DEG 15 MIN, LONG 105 DEG 40 MIN, ELEV 7000 FT
SPECIES: ARCHAEOL - PP JUN DF PNN, LIVING - PP

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1820 | 67 | 83 | 39 | 76 | 70 | 114 | 104 | 113 | 144 | 93 | 20 | 21 | 21 | 22 | 22 | 22 | 23 | 23 | 23 | 24 |
| 1830 | 72 | 95 | 116 | 116 | 119 | 91 | 66 | 119 | 133 | 177 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1840 | 146 | 104 | 25 | 50 | 99 | 35 | 38 | 50 | 89 | 139 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 23 |
| 1850 | 108 | 54 | 131 | 119 | 137 | 106 | 147 | 115 | 142 | 121 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1860 | 110 | 15 | 75 | 85 | 60 | 80 | 125 | 126 | 182 | 139 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1870 | 112 | 88 | 145 | 19 | 85 | 64 | 69 | 70 | 107 | 83 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1880 | 50 | 111 | 101 | 69 | 103 | 119 | 124 | 169 | 158 | 105 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1890 | 104 | 115 | 128 | 58 | 53 | 91 | 83 | 84 | 90 | 50 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1900 | 64 | 33 | 20 | 101 | 4 | 115 | 105 | 143 | 108 | 105 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1910 | 66 | 103 | 89 | 63 | 130 | 117 | 120 | 52 | 80 | 128 | 22 | 22 | 21 | 21 | 21 | 21 | 21 | 20 | 20 | 20 |
| 1920 | 116 | 172 | 49 | 63 | 89 | 73 | 100 | 83 | 73 | 166 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 168 | 150 | 241 | 192 | 113 | 201 | 188 | 160 | 129 | 98 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 126 | 147 | 163 | 163 | 143 | 130 | 50 | 59 | 91 | 118 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 69 | 43 | 87 | 64 | 80 | 71 | 7 | 59 | 70 | 66 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 76 | 75 | 53 | 70 | 57 | 111 | 63 | 79 | 72 | 108 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1970 | 91 | 38 | 105 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .303 STANDARD DEVIATION = .368 MEAN SENSITIVITY = .401 N = 869

21 SANTE FE ID 700000
CENTRAL LAT 35 DEG 42 MIN, LONG 105 DEG 50 MIN, ELEV 6700 FT
SPECIES: ARCHAEOL - PP PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | P | Q |
| 680 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 710 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 720 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 730 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 740 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 750 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 760 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 770 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 780 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 790 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 800 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 820 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 830 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 840 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 850 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 860 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 870 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 16 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 878 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 16 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 880 | 159 | 62 | 0 | 141 | 49 | 83 | 203 | 187 | 107 | 125 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 890 | 244 | 102 | 0 | 240 | 34 | 52 | 80 | 119 | 80 | 116 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 900 | 49 | 32 | 86 | 57 | 97 | 159 | 42 | 28 | 145 | 111 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 910 | 105 | 106 | 66 | 77 | 64 | 137 | 148 | 121 | 129 | 119 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 920 | 105 | 62 | 52 | 116 | 42 | 120 | 130 | 83 | 135 | 92 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 930 | 80 | 80 | 82 | 127 | 150 | 137 | 131 | 61 | 122 | 103 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 940 | 124 | 140 | 113 | 64 | 105 | 115 | 144 | 87 | 107 | 144 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 950 | 56 | 11 | 71 | 61 | 31 | 85 | 177 | 80 | 11 | 149 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 960 | 167 | 69 | 157 | 108 | 124 | 74 | 180 | 170 | 128 | 27 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 970 | 134 | 53 | 32 | 77 | 65 | 2 | 117 | 115 | 38 | 109 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 980 | 24 | 22 | 71 | 50 | 52 | 96 | 129 | 187 | 214 | 233 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 990 | 105 | 86 | 52 | 32 | 142 | 108 | 181 | 165 | 156 | 19 | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1000 | 125 | 55 | 73 | 52 | 84 | 77 | 64 | 152 | 106 | 38 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| 1010 | 28 | 20 | 117 | 105 | 45 | 135 | 160 | 80 | 121 | 40 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1020 | 78 | 109 | 88 | 66 | 132 | 127 | 186 | 69 | 129 | 163 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 1030 | 76 | 109 | 137 | 120 | 74 | 3 | 77 | 109 | 110 | 84 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| 1040 | 110 | 40 | 145 | 152 | 47 | 98 | 110 | 86 | 49 | 101 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| 1050 | 149 | 98 | 220 | 147 | 83 | 92 | 85 | 108 | 60 | 38 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1060 | 122 | 75 | 72 | 137 | 134 | 179 | 144 | 70 | 76 | 87 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1070 | 133 | 94 | 125 | 82 | 99 | 27 | 121 | 133 | 119 | 91 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 1080 | 127 | 85 | 183 | 76 | 100 | 52 | 112 | 86 | 80 | 113 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1090 | 3 | 16 | 86 | 75 | 55 | 172 | 219 | 37 | 114 | 31 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1100 | 82 | 138 | 118 | 68 | 131 | 75 | 108 | 98 | 46 | 128 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 |
| 1110 | 117 | 125 | 146 | 99 | 76 | 97 | 130 | 142 | 140 | 128 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1120 | 130 | 72 | 156 | 123 | 123 | 80 | 68 | 67 | 110 | 157 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1130 | 114 | 97 | 89 | 119 | 14 | 29 | 88 | 69 | 71 | 130 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1140 | 59 | 128 | 145 | 101 | 127 | 139 | 31 | 60 | 64 | 105 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 1150 | 47 | 24 | 162 | 125 | 120 | 105 | 54 | 41 | 49 | 161 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 11 |
| 1160 | 126 | 32 | 220 | 135 | 165 | 105 | 36 | 147 | 101 | 37 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1170 | 106 | 186 | 91 | 135 | 53 | 112 | 93 | 49 | 109 | 115 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1180 | 101 | 84 | 67 | 80 | 120 | 135 | 37 | 73 | 83 | 48 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1190 | 111 | 159 | 70 | 116 | 102 | 140 | 126 | 129 | 101 | 94 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1200 | 153 | 156 | 105 | 138 | 114 | 41 | 54 | 155 | 124 | 147 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 |
| 1210 | 125 | 136 | 91 | 148 | 76 | 60 | 53 | 3 | 47 | 124 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1220 | 82 | 51 | 106 | 96 | 45 | 74 | 90 | 41 | 120 | 150 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 18 | 18 | 18 |
| 1230 | 121 | 106 | 144 | 83 | 45 | 120 | 60 | 125 | 117 | 114 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 17 | 17 |
| 1240 | 65 | 161 | 107 | 140 | 133 | 152 | 74 | 123 | 33 | 127 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 16 |
| 1250 | 101 | 30 | 22 | 122 | 3 | 94 | 95 | 149 | 48 | 174 | 16 | 15 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 |
| 1260 | 122 | 78 | 153 | 45 | 62 | 98 | 140 | 139 | 188 | 104 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1270 | 156 | 117 | 133 | 56 | 72 | 134 | 30 | 115 | 45 | 130 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 11 |
| 1280 | 11 | 123 | 54 | 125 | 69 | 84 | 28 | 164 | 31 | 110 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1290 | 172 | 41 | 112 | 161 | 53 | 102 | 50 | 129 | 151 | 142 | 11 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 9 |
| 1300 | 125 | 147 | 148 | 86 | 47 | 125 | 80 | 109 | 90 | 131 | 10 | 10 | 10 | 10 | 11 | 12 | 12 | 12 | 11 | 11 |
| 1310 | 123 | 106 | 84 | 186 | 154 | 66 | 48 | 144 | 150 | 113 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |
| 1320 | 104 | 129 | 98 | 70 | 54 | 134 | 95 | 77 | 44 | 100 | 15 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 13 |
| 1330 | 126 | 99 | 124 | 136 | 105 | 65 | 64 | 69 | 52 | 95 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 |
| 1340 | 52 | 55 | 57 | 97 | 134 | 118 | 121 | 27 | 69 | 110 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1350 | 61 | 116 | 32 | 136 | 109 | 101 | 138 | 95 | 140 | 121 | 14 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1360 | 73 | 117 | 71 | 44 | 66 | 110 | 78 | 90 | 136 | 81 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1370 | 152 | 106 | 138 | 92 | 117 | 56 | 76 | 58 | 133 | 94 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1380 | 94 | 95 | 42 | 131 | 86 | 137 | 126 | 104 | 127 | 135 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 13 |
| 1390 | 53 | 115 | 153 | 137 | 108 | 168 | 91 | 49 | 134 | 51 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 13 |
| 1400 | 66 | 116 | 119 | 104 | 184 | 107 | 142 | 66 | 139 | 129 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1410 | 127 | 69 | 159 | 95 | 177 | 55 | 68 | 87 | 66 | 80 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1420 | 68 | 124 | 58 | 20 | 30 | 104 | 113 | 144 | 192 | 80 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 9 |
| 1430 | 95 | 121 | 74 | 139 | 134 | 141 | 96 | 102 | 83 | 148 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 |
| 1440 | 123 | 143 | 137 | 151 | 97 | 41 | 133 | 129 | 100 | 80 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1450 | 48 | 95 | 79 | 92 | 107 | 55 | 52 | 93 | 112 | 75 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 |
| 1460 | 78 | 42 | 100 | 74 | 79 | 118 | 145 | 142 | 131 | 133 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| 1470 | 70 | 33 | 117 | 90 | 59 | 29 | 94 | 54 | 116 | 111 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1480 | 34 | 79 | 103 | 98 | 154 | 145 | 186 | 76 | 94 | 132 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1490 | 142 | 112 | 124 | 67 | 109 | 13 | 59 | 69 | 103 | 131 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1500 | 64 | 88 | 34 | 110 | 115 | 128 | 44 | 109 | 94 | 85 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1510 | 109 | 126 | 84 | 132 | 142 | 130 | 11 | 62 | 113 | 119 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1520 | 122 | 172 | 91 | 77 | 34 | 90 | 86 | 94 | 115 | 152 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1530 | 120 | 120 | 81 | 95 | 126 | 66 | 136 | 117 | 104 | 120 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 1540 | 162 | 139 | 40 | 130 | 108 | 40 | 43 | 80 | 89 | 83 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 |
| 1550 | 120 | 63 | 94 | 164 | 143 | 140 | 129 | 111 | 81 | 121 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1560 | 44 | 77 | 29 | 89 | 88 | 114 | 84 | 88 | 105 | 122 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 |
| 1570 | 104 | 78 | 99 | 31 | 72 | 94 | 100 | 133 | 100 | 32 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1580 | 24 | 66 | 70 | 34 | 63 | 38 | 111 | 86 | 106 | 133 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 1590 | 72 | 89 | 123 | 91 | 169 | 161 | 171 | 185 | 77 | 96 | 10 | 10 | 10 | 10 | 11 | 12 | 12 | 12 | 13 | 13 |
| 1600 | 66 | 31 | 90 | 133 | 120 | 121 | 79 | 100 | 92 | 107 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1610 | 153 | 150 | 144 | 131 | 108 | 124 | 66 | 109 | 150 | 101 | 13 | 14 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 |
| 1620 | 139 | 169 | 117 | 147 | 60 | 43 | 81 | 101 | 51 | 144 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1630 | 114 | 98 | 112 | 114 | 139 | 154 | 135 | 155 | 69 | 127 | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1640 | 131 | 59 | 85 | 108 | 89 | 55 | 116 | 102 | 61 | 99 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1650 | 76 | 122 | 117 | 87 | 74 | 107 | 89 | 94 | 75 | 63 | 18 | 19 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 21 |
| 1660 | 106 | 130 | 153 | 114 | 48 | 98 | 53 | 50 | 65 | 64 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1670 | 66 | 90 | 92 | 107 | 117 | 98 | 62 | 105 | 80 | 110 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1680 | 150 | 99 | 98 | 122 | 62 | 13 | 95 | 117 | 113 | 144 | 23 | 23 | 24 | 24 | 23 | 23 | 23 | 23 | 22 | 22 |
| 1690 | 115 | 89 | 168 | 110 | 118 | 125 | 52 | 108 | 71 | 118 | 23 | 23 | 23 | 24 | 24 | 24 | 24 | 23 | 23 | 23 |
| 1700 | 99 | 118 | 74 | 116 | 91 | 53 | 128 | 86 | 117 | 95 | 25 | 25 | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 22 |
| 1710 | 131 | 88 | 108 | 130 | 62 | 49 | 45 | 107 | 116 | 67 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1720 | 139 | 121 | 94 | 122 | 115 | 98 | 143 | 124 | 96 | 16 | 22 | 22 | 22 | 22 | 22 | 22 | 24 | 24 | 24 | 24 |
| 1730 | 55 | 93 | 113 | 90 | 122 | 69 | 83 | 30 | 59 | 14 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 26 |
| 1740 | 59 | 83 | 88 | 130 | 103 | 141 | 181 | 203 | 48 | 147 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 1750 | 94 | 150 | 84 | 137 | 182 | 146 | 108 | 42 | 90 | 100 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 37 | 37 | 37 |
| 1760 | 61 | 137 | 152 | 43 | 139 | 79 | 126 | 131 | 146 | 148 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 36 | 35 |
| 1770 | 145 | 173 | 131 | 28 | 84 | 102 | 111 | 99 | 100 | 82 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 36 | 36 | 36 |
| 1780 | 41 | 93 | 79 | 120 | 148 | 82 | 63 | 151 | 73 | 59 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 1790 | 81 | 139 | 147 | 170 | 112 | 70 | 72 | 49 | 96 | 99 | 37 | 37 | 37 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 1800 | 104 | 55 | 96 | 94 | 117 | 85 | 56 | 111 | 97 | 75 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 |

21 SANTE FE ID 700000
CENTRAL LAT 35 DEG 42 MIN, LONG 105 DEG 50 MIN, ELEV 6700 FT
SPECIES: ARCHAEOL - PP PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1810 | 91 | 97 | 72 | 93 | 56 | 109 | 154 | 96 | 63 | 21 | 34 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 1820 | 69 | 135 | 32 | 55 | 82 | 102 | 65 | 130 | 139 | 139 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 1830 | 93 | 91 | 89 | 121 | 141 | 70 | 29 | 119 | 128 | 164 | 33 | 33 | 34 | 34 | 34 | 33 | 33 | 32 | 32 | 32 |
| 1840 | 175 | 152 | 49 | 110 | 135 | 79 | 123 | 54 | 70 | 190 | 32 | 32 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 28 |
| 1850 | 103 | 29 | 74 | 98 | 125 | 124 | 147 | 155 | 151 | 66 | 27 | 27 | 27 | 27 | 27 | 26 | 26 | 26 | 26 | 26 |
| 1860 | 72 | 42 | 74 | 76 | 91 | 114 | 172 | 164 | 153 | 143 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1870 | 81 | 72 | 110 | 55 | 104 | 81 | 104 | 141 | 79 | 104 | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 |
| 1880 | 41 | 85 | 116 | 65 | 110 | 138 | 120 | 148 | 129 | 41 | 25 | 24 | 24 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1890 | 22 | 100 | 79 | 5 | 88 | 78 | 41 | 136 | 74 | 9 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1900 | 92 | 87 | 87 | 92 | 5 | 141 | 136 | 147 | 107 | 60 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1910 | 45 | 106 | 147 | 135 | 135 | 125 | 171 | 78 | 94 | 193 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1920 | 196 | 177 | 100 | 114 | 67 | 20 | 152 | 99 | 125 | 147 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 1930 | 133 | 136 | 204 | 132 | 32 | 109 | 51 | 128 | 52 | 88 | 23 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1940 | 141 | 144 | 138 | 153 | 122 | 94 | 108 | 59 | 103 | 151 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1950 | 27 | 12 | 53 | 9 | 54 | 51 | 72 | 63 | 148 | 122 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1960 | 164 | 65 | 92 | 91 | 83 | 96 | 61 | 43 | 80 | 110 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1970 | 103 | 86 | 120 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 22 | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .183 STANDARD DEVIATION = .410 MEAN SENSITIVITY = .473 N = 1095

22 CHUPADERO MESA ID 200000
CENTRAL LAT 34 DEG 25 MIN, LONG 106 DEG 10 MIN, ELEV 6400 FT
SPECIES: ARCHAEOL - PP PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 680 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 710 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 720 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 730 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 740 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 750 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 760 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 770 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 780 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 790 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 800 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 820 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 830 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 840 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 850 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 860 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 870 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 880 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 890 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 920 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 930 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 940 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 950 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 960 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 970 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 980 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1010 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1020 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1030 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1040 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1050 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1060 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1070 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1080 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1090 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1110 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1120 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1130 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1140 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1150 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1160 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1170 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1180 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1190 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1210 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1220 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1230 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1240 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1250 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1260 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1270 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1280 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 55 | 70 | 37 | 83 | 78 | 167 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| 1300 | 137 | 124 | 113 | 75 | 78 | 136 | 70 | 105 | 77 | 125 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1310 | 136 | 113 | 137 | 153 | 139 | 98 | 64 | 117 | 113 | 120 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1320 | 133 | 108 | 72 | 30 | 72 | 97 | 77 | 88 | 98 | 97 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1330 | 110 | 96 | 152 | 159 | 128 | 102 | 59 | 100 | 58 | 106 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1340 | 61 | 93 | 42 | 56 | 101 | 92 | 118 | 31 | 76 | 92 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1350 | 68 | 103 | 44 | 93 | 146 | 126 | 173 | 75 | 139 | 139 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1360 | 102 | 131 | 79 | 52 | 83 | 105 | 86 | 69 | 131 | 50 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1370 | 107 | 100 | 156 | 120 | 128 | 67 | 76 | 121 | 168 | 105 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1380 | 148 | 82 | 75 | 139 | 65 | 115 | 106 | 69 | 126 | 140 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1390 | 73 | 90 | 139 | 101 | 39 | 93 | 74 | 70 | 167 | 70 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1400 | 99 | 107 | 37 | 67 | 126 | 62 | 107 | 36 | 100 | 62 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| 1410 | 138 | 53 | 134 | 102 | 156 | 70 | 146 | 167 | 85 | 61 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 6 | 6 | 6 |
| 1420 | 58 | 117 | 52 | 50 | 52 | 112 | 119 | 141 | 188 | 122 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| 1430 | 120 | 126 | 84 | 135 | 130 | 96 | 92 | 94 | 73 | 104 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1440 | 120 | 125 | 87 | 126 | 127 | 89 | 119 | 101 | 42 | 57 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 |
| 1450 | 44 | 102 | 128 | 163 | 119 | 74 | 95 | 107 | 102 | 70 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1460 | 110 | 74 | 107 | 58 | 92 | 105 | 158 | 141 | 90 | 120 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 |
| 1470 | 81 | 41 | 63 | 84 | 70 | 51 | 106 | 83 | 104 | 88 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1480 | 51 | 123 | 113 | 97 | 162 | 150 | 134 | 47 | 84 | 107 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1490 | 126 | 95 | 160 | 142 | 140 | 41 | 81 | 65 | 110 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1500 | 104 | 84 | 37 | 85 | 99 | 104 | 66 | 154 | 128 | 120 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1510 | 106 | 123 | 84 | 100 | 111 | 125 | 38 | 45 | 95 | 120 | 10 | 10 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1520 | 138 | 133 | 31 | 42 | 12 | 72 | 86 | 72 | 82 | 121 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1530 | 132 | 158 | 116 | 103 | 164 | 86 | 100 | 132 | 93 | 136 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1540 | 159 | 149 | 106 | 160 | 84 | 144 | 97 | 105 | 124 | 50 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 6 |
| 1550 | 89 | 91 | 78 | 162 | 135 | 151 | 147 | 112 | 89 | 97 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1560 | 33 | 111 | 139 | 92 | 83 | 98 | 108 | 79 | 90 | 96 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 |
| 1570 | 81 | 71 | 65 | 46 | 84 | 61 | 61 | 114 | 128 | 83 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1580 | 22 | 76 | 75 | 24 | 91 | 41 | 97 | 72 | 160 | 155 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1590 | 23 | 141 | 104 | 44 | 118 | 88 | 152 | 150 | 97 | 157 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1600 | 91 | 89 | 126 | 158 | 141 | 109 | 117 | 117 | 109 | 94 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 1610 | 177 | 165 | 143 | 92 | 90 | 83 | 126 | 111 | 125 | 107 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1620 | 74 | 181 | 143 | 108 | 52 | 89 | 77 | 135 | 29 | 128 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1630 | 83 | 74 | 47 | 102 | 104 | 132 | 52 | 98 | 75 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1640 | 85 | 69 | 53 | 60 | 85 | 76 | 127 | 85 | 21 | 999 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 1650 | 999 | 999 | 999 | 999 | 999 | 999 | 38 | 26 | 26 | 122 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| 1660 | 54 | 64 | 118 | 116 | 106 | 79 | 79 | 92 | 91 | 104 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1670 | 29 | 37 | 55 | 81 | 95 | 138 | 111 | 158 | 142 | 116 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1680 | 147 | 90 | 107 | 114 | 82 | 42 | 74 | 81 | 120 | 139 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1690 | 96 | 128 | 156 | 115 | 120 | 96 | 78 | 96 | 105 | 120 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 1700 | 115 | 172 | 118 | 155 | 129 | 124 | 145 | 109 | 91 | 68 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1710 | 113 | 68 | 116 | 113 | 108 | 58 | 44 | 77 | 118 | 86 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1720 | 135 | 145 | 124 | 141 | 122 | 101 | 94 | 78 | 109 | 30 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1730 | 81 | 117 | 102 | 66 | 155 | 86 | 92 | 55 | 78 | 62 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 1740 | 96 | 136 | 94 | 156 | 130 | 141 | 172 | 114 | 12 | 108 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 1750 | 46 | 138 | 28 | 105 | 100 | 58 | 80 | 55 | 149 | 128 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1760 | 146 | 173 | 117 | 40 | 100 | 89 | 85 | 112 | 85 | 69 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1770 | 86 | 145 | 76 | 56 | 72 | 56 | 91 | 66 | 86 | 63 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1780 | 50 | 131 | 110 | 156 | 155 | 82 | 117 | 108 | 89 | 63 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| 1790 | 115 | 98 | 118 | 158 | 105 | 109 | 49 | 63 | 66 | 82 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1800 | 78 | 62 | 64 | 97 | 94 | 105 | 32 | 84 | 87 | 89 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 14 | 14 |
| 1810 | 107 | 93 | 92 | 130 | 111 | 130 | 149 | 71 | 37 | 48 | 16 | 16 | 16 | 16 | 16 | 17 | 18 | 18 | 18 | 18 |

22 CHUPADERO MESA ID 200000
CENTRAL LAT 34 DEG 25 MIN, LONG 106 DEG 10 MIN, ELEV 6400 FT
SPECIES: ARCHAEOL - PP PNN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1820 | 96 | 99 | 27 | 43 | 81 | 106 | 123 | 147 | 140 | 113 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 |
| 1830 | 123 | 116 | 124 | 139 | 148 | 135 | 80 | 98 | 97 | 134 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1840 | 143 | 102 | 21 | 58 | 84 | 104 | 129 | 89 | 119 | 157 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1850 | 126 | 83 | 139 | 137 | 122 | 112 | 103 | 157 | 172 | 51 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1860 | 90 | 47 | 26 | 66 | 77 | 125 | 117 | 150 | 138 | 132 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1870 | 63 | 71 | 91 | 55 | 81 | 126 | 87 | 129 | 141 | 121 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1880 | 58 | 90 | 77 | 45 | 63 | 91 | 52 | 109 | 88 | 104 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1890 | 75 | 103 | 62 | 86 | 42 | 92 | 23 | 124 | 104 | 51 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1900 | 52 | 96 | 40 | 87 | 2 | 101 | 139 | 211 | 192 | 138 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1910 | 104 | 169 | 82 | 51 | 132 | 116 | 184 | 142 | 101 | 165 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1920 | 154 | 127 | 61 | 56 | 102 | 12 | 103 | 84 | 99 | 150 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 118 | 130 | 153 | 222 | 55 | 167 | 127 | 152 | 63 | 100 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 136 | 156 | 157 | 107 | 136 | 132 | 58 | 97 | 112 | 103 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 16 | 6 | 77 | 77 | 8 | 19 | 7 | 65 | 104 | 138 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 177 | 155 | 139 | 90 | 66 | 73 | 76 | 31 | 146 | 120 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1970 | 151 | 63 | 101 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .224 STANDARD DEVIATION = .349 MEAN SENSITIVITY = .385 N = 355
SERIAL CORRELATION = .387 STANDARD DEVIATION = .391 MEAN SENSITIVITY = .399 N = 317

23 DURANGO ID 900002
CENTRAL LAT 37 DEG 14 MIN, LONG 107 DEG 35 MIN, ELEV 6900 FT
SPECIES: ARCHAEOL - PP JUN OF PNN, LIVING - PP

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 34 | 999 | 999 | 999 | 999 | 84 | 120 | 123 | 99 | 147 | 154 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 40 | 174 | 84 | 47 | 32 | 40 | 86 | 68 | 39 | 53 | 98 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 50 | 118 | 92 | 47 | 30 | 87 | 192 | 131 | 110 | 164 | 11E | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 | 68 | 135 | 123 | 91 | 62 | 39 | 60 | 49 | 66 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70 | 112 | 92 | 133 | 117 | 119 | 93 | 131 | 147 | 207 | 146 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 80 | 44 | 86 | 191 | 163 | 149 | 109 | 131 | 132 | 149 | 172 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 90 | 184 | 125 | 77 | 83 | 184 | 112 | 113 | 153 | 108 | 120 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100 | 81 | 87 | 70 | 111 | 170 | 147 | 172 | 110 | 107 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 110 | 84 | 120 | 91 | 176 | 122 | 122 | 49 | 80 | 98 | 111 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 120 | 80 | 111 | 93 | 67 | 99 | 112 | 91 | 119 | 125 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 130 | 75 | 25 | 101 | 63 | 76 | 120 | 114 | 63 | 76 | 70 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 140 | 57 | 76 | 70 | 88 | 70 | 51 | 76 | 83 | 77 | 77 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 150 | 19 | 80 | 75 | 90 | 59 | 131 | 98 | 126 | 86 | 1P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 160 | 139 | 130 | 169 | 138 | 113 | 5 | 109 | 1 | 7 | 6 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 170 | 152 | 157 | 43 | 137 | 100 | 78 | 55 | 122 | 65 | 108 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 |
| 180 | 117 | 71 | 134 | 141 | 98 | 96 | 117 | 155 | 132 | 91 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 5 | 5 | 5 |
| 190 | 81 | 112 | 155 | 120 | 72 | 115 | 128 | 104 | 96 | 78 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 200 | 100 | 5F | 107 | 105 | 90 | 78 | 108 | 94 | 104 | 128 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 210 | 71 | 109 | 111 | 96 | 56 | 60 | 85 | 76 | 91 | 84 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 220 | 102 | 110 | 104 | 119 | 127 | 83 | 96 | 119 | 118 | 39 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 230 | 85 | 59 | 137 | 127 | 95 | 86 | 46 | 94 | 88 | 82 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 240 | 125 | 114 | 133 | 106 | 86 | 60 | 100 | 91 | 42 | 98 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 250 | 95 | 87 | 112 | 66 | 103 | 114 | 102 | 45 | 35 | 86 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 260 | 91 | 52 | 44 | 119 | 75 | 65 | 115 | 126 | 158 | 144 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 270 | 4F | 157 | 141 | 150 | 91 | 114 | 184 | 166 | 129 | 37 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 280 | 174 | 136 | 158 | 163 | 147 | 107 | 88 | 118 | 149 | 126 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 290 | 110 | 37 | 83 | 72 | 20 | 117 | 95 | 70 | 75 | 111 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 300 | 97 | 89 | 18 | 106 | 123 | 94 | 84 | 76 | 82 | 103 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 310 | 141 | 129 | 127 | 90 | 133 | 118 | 153 | 151 | 108 | 150 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 320 | 63 | 66 | 109 | 79 | 35 | 82 | 22 | 103 | 90 | 106 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 330 | 118 | 111 | 124 | 141 | 123 | 60 | 91 | 99 | 111 | 11E | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 340 | 81 | 63 | 102 | 103 | 71 | 96 | 152 | 69 | 83 | 110 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 350 | 96 | 122 | 113 | 96 | 165 | 102 | 177 | 88 | 134 | 71 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 360 | 109 | 45 | 80 | 58 | 73 | 93 | 66 | 111 | 93 | 96 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 |
| 370 | 53 | 124 | 109 | 95 | 146 | 86 | 126 | 96 | 86 | 102 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |
| 380 | 97 | 112 | 43 | 94 | 103 | 84 | 107 | 110 | 78 | 114 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 390 | 99 | 106 | 107 | 153 | 150 | 117 | 76 | 128 | 133 | 91 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| 400 | 72 | 87 | 69 | 61 | 110 | 131 | 112 | 164 | 151 | 102 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 410 | 114 | 90 | 96 | 117 | 114 | 106 | 129 | 123 | 133 | 111 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 420 | 79 | 10F | 37 | 46 | 95 | 106 | 85 | 75 | 86 | 48 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 430 | 91 | 74 | 93 | 111 | 126 | 108 | 126 | 129 | 97 | 109 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 440 | 101 | 127 | 76 | 98 | 108 | 120 | 66 | 64 | 100 | 76 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 450 | 107 | 77 | 40 | 74 | 85 | 18 | 65 | 52 | 90 | 122 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |
| 460 | 79 | 30 | 105 | 44 | 86 | 96 | 98 | 115 | 118 | 97 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |
| 470 | 114 | 132 | 110 | 67 | 109 | 110 | 112 | 179 | 103 | 134 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 7 |
| 480 | 146 | 95 | 141 | 98 | 142 | 110 | 54 | 128 | 82 | 132 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 490 | 117 | 105 | 98 | 44 | 116 | 67 | 91 | 89 | 107 | 131 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 |
| 500 | 38 | 102 | 140 | 90 | 122 | 99 | 86 | 105 | 76 | 97 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 |
| 510 | 116 | 113 | 81 | 26 | 118 | 96 | 49 | 53 | 79 | 64 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 |
| 520 | 36 | 80 | 126 | 164 | 59 | 64 | 8 | 121 | 96 | 102 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 4 | 4 |
| 530 | 126 | 68 | 115 | 90 | 106 | 55 | 78 | 143 | 137 | 93 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 540 | 78 | 116 | 50 | 54 | 108 | 101 | 155 | 170 | 142 | 138 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 550 | 139 | 173 | 131 | 124 | 54 | 118 | 147 | 96 | 84 | 124 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 560 | 79 | 31 | 91 | 18 | 51 | 28 | 81 | 77 | 42 | 76 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 570 | 68 | 146 | 123 | 106 | 165 | 152 | 124 | 149 | 97 | 103 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 580 | 84 | 109 | 129 | 159 | 105 | 152 | 147 | 106 | 92 | 100 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 590 | 31 | 95 | 154 | 109 | 134 | 136 | 161 | 113 | 125 | 86 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| 600 | 142 | 116 | 80 | 59 | 55 | 78 | 102 | 74 | 120 | 92 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 610 | 36 | 76 | 85 | 83 | 85 | 50 | 64 | 93 | 115 | 64 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 620 | 3 | 115 | 123 | 97 | 94 | 87 | 62 | 151 | 137 | 105 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 |
| 630 | 43 | 124 | 74 | 46 | 26 | 85 | 160 | 142 | 114 | 79 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 640 | 72 | 157 | 109 | 137 | 145 | 6 | 31 | 43 | 107 | 144 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 650 | 126 | 61 | 103 | 113 | 128 | 140 | 134 | 126 | 103 | 54 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 660 | 32 | F | 43 | 41 | 19 | 111 | 162 | 111 | 123 | 102 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 670 | 108 | 56 | 99 | 103 | 103 | 66 | 107 | 76 | 96 | 140 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 |
| 680 | 96 | 106 | 152 | 134 | 135 | 140 | 87 | 100 | 150 | 137 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 |
| 690 | 59 | 107 | 63 | 111 | 90 | 123 | 90 | 112 | 110 | 124 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 |
| 700 | 47 | 115 | 91 | 74 | 9 | 44 | 25 | 67 | 85 | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 710 | 62 | 123 | 90 | 164 | 126 | 112 | 88 | 99 | 82 | 144 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 720 | 161 | 149 | 57 | 98 | 31 | 155 | 171 | 142 | 164 | 123 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 730 | 130 | 17F | 90 | 107 | 91 | 97 | 114 | 133 | 43 | 92 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 740 | 121 | 98 | 3 | 96 | 74 | 146 | 130 | 145 | 32 | 133 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 750 | 69 | 19 | 113 | 106 | 94 | 120 | 80 | 17 | 113 | 161 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 760 | 43 | 114 | 105 | 100 | 86 | 139 | 155 | 113 | 153 | 127 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 770 | 73 | 51 | 73 | 77 | 37 | 98 | 128 | 136 | 106 | 100 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 780 | 171 | 130 | 50 | 121 | 166 | 178 | 47 | 153 | 72 | 141 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 790 | 128 | 117 | 146 | 145 | 164 | 41 | 84 | 13 | 102 | 14 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 800 | 65 | 8F | 95 | 102 | 57 | 70 | 78 | 25 | 54 | 0 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 810 | 113 | 9F | 133 | 142 | 139 | 139 | 47 | 27 | 0 | 7 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 820 | 113 | 231 | 130 | 19 | 144 | 34 | 116 | 139 | 145 | 71 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 830 | 5F | 132 | 171 | 115 | 102 | 131 | 89 | 77 | 108 | 113 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 840 | 19 | 100 | 73 | 142 | 138 | 132 | 99 | 105 | 145 | 103 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 850 | 126 | 78 | 100 | 93 | 132 | 118 | 115 | 40 | 110 | 103 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 860 | 110 | 56 | 107 | 105 | 102 | 92 | 87 | 23 | 27 | 8F | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 870 | 52 | 127 | 130 | 13F | 138 | 51 | 120 | 62 | 41 | 87 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 880 | 69 | 101 | 95 | 84 | 32 | 92 | 108 | 121 | 133 | 136 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 890 | 182 | 161 | 224 | 199 | 132 | 118 | 86 | 90 | 140 | 11F | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 900 | 94 | 5F | 157 | 51 | 52 | 105 | 23 | 13 | 69 | 9F | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 910 | 136 | 189 | 138 | 83 | 113 | 105 | 93 | 87 | 114 | 100 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 920 | 75 | 76 | 74 | 40 | 25 | 100 | 97 | 70 | 112 | 102 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 930 | 91 | 114 | 93 | 113 | 114 | 89 | 112 | 42 | 83 | 93 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 940 | 120 | 134 | 147 | 93 | 124 | 161 | 172 | 128 | 110 | 142 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 950 | 156 | 156 | 116 | 88 | 32 | 82 | 144 | 61 | 54 | 125 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 960 | 117 | 103 | 98 | 108 | 79 | 84 | 113 | 116 | 83 | 8F | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 970 | 140 | 94 | 30 | 171 | 146 | 8F | 87 | 117 | 54 | 72 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 980 | 15 | 6 | 49 | 63 | 49 | 86 | 117 | 142 | 189 | 14F | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 990 | 137 | 62 | 114 | 48 | 107 | 75 | 120 | 147 | 124 | 161 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 1000 | 164 | 122 | 121 | 114 | 111 | 43 | 52 | 80 | 116 | 100 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1010 | 76 | 124 | 96 | 34 | 41 | 84 | 102 | 160 | 88 | 5F | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1020 | 122 | 15F | 141 | 140 | 178 | 203 | 178 | 188 | 177 | 151 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1030 | 129 | 74 | 88 | 9F | 83 | 31 | 47 | 72 | 21 | 37 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1040 | 7F | 16 | 139 | 67 | 34 | 105 | 48 | 96 | 38 | 40 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1050 | 65 | 77 | 109 | 80 | 140 | 76 | 141 | 99 | 131 | 88 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1060 | 120 | 136 | 96 | 209 | 245 | 243 | 164 | 14 | 14 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1070 | 89 | 96 | 103 | 147 | 101 | 131 | 124 | 152 | 87 | 112 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1080 | 69 | 4F | 82 | 69 | 48 | 18 | 41 | 57 | 53 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1090 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1100 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1110 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1120 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1130 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1140 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1150 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1160 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

23 DURANGO ID 900002
CENTRAL LAT 37 DEG 14 MIN, LONG 107 DEG 35 MIN, ELEV 6900 FT
SPECIES: ARCHAEOL - PP JUN OF PNN, LIVING - PP

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1170 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1180 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1190 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1210 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1220 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1230 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1240 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1250 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1260 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1270 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1280 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 80 | 58 | 71 | 104 | 107 | 85 | 162 | 87 | 37 | 46 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1340 | 65 | 81 | 72 | 118 | 123 | 126 | 115 | 102 | 79 | 128 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1350 | 60 | 96 | 65 | 73 | 116 | 118 | 121 | 166 | 203 | 153 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1360 | 99 | 125 | 89 | 83 | 79 | 130 | 119 | 146 | 128 | 130 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1370 | 118 | 119 | 92 | 92 | 102 | 119 | 93 | 62 | 47 | 89 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1380 | 110 | 84 | 190 | 282 | 132 | 120 | 158 | 180 | 150 | 153 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1390 | 61 | 94 | 111 | 93 | 106 | 117 | 61 | 66 | 56 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1400 | 21 | 51 | 57 | 43 | 96 | 80 | 95 | 78 | 107 | 128 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 1410 | 99 | 77 | 95 | 92 | 119 | 111 | 91 | 120 | 124 | 113 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1420 | 124 | 73 | 95 | 50 | 63 | 79 | 118 | 110 | 102 | 123 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1430 | 113 | 150 | 98 | 112 | 113 | 74 | 82 | 88 | 71 | 101 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1440 | 96 | 126 | 90 | 83 | 54 | 83 | 86 | 70 | 71 | 46 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1450 | 53 | 102 | 99 | 126 | 106 | 87 | 62 | 83 | 115 | 130 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1460 | 116 | 100 | 176 | 158 | 65 | 50 | 121 | 105 | 108 | 112 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1470 | 108 | 66 | 59 | 89 | 101 | 89 | 99 | 125 | 147 | 79 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1480 | 83 | 93 | 130 | 97 | 155 | 139 | 141 | 93 | 125 | 125 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1490 | 140 | 178 | 136 | 112 | 127 | 38 | 88 | 103 | 114 | 80 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1500 | 6 | 79 | 83 | 78 | 116 | 56 | 33 | 79 | 115 | 134 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1510 | 53 | 109 | 88 | 117 | 117 | 115 | 30 | 71 | 48 | 106 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1520 | 114 | 133 | 43 | 89 | 108 | 124 | 121 | 103 | 104 | 107 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1530 | 111 | 105 | 9 | 77 | 72 | 67 | 93 | 117 | 81 | 121 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1540 | 104 | 108 | 44 | 124 | 108 | 84 | 99 | 81 | 61 | 123 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1550 | 114 | 101 | 152 | 138 | 121 | 145 | 131 | 156 | 135 | 104 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 1560 | 126 | 99 | 107 | 114 | 129 | 172 | 156 | 117 | 166 | 125 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1570 | 93 | 125 | 115 | 60 | 64 | 78 | 80 | 97 | 76 | 90 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1580 | 31 | 55 | 40 | 21 | 19 | 5 | 61 | 46 | 76 | 123 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1590 | 46 | 118 | 46 | 75 | 123 | 112 | 152 | 111 | 84 | 143 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1600 | 80 | 108 | 86 | 101 | 118 | 162 | 160 | 127 | 139 | 159 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1610 | 142 | 147 | 146 | 121 | 136 | 126 | 120 | 134 | 161 | 102 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1620 | 140 | 129 | 85 | 78 | 86 | 80 | 42 | 106 | 77 | 120 | 10 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 1630 | 98 | 86 | 97 | 117 | 92 | 99 | 123 | 97 | 93 | 112 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 12 |
| 1640 | 143 | 114 | 97 | 100 | 123 | 85 | 85 | 125 | 73 | 123 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1650 | 139 | 122 | 126 | 114 | 61 | 114 | 114 | 94 | 67 | 84 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1660 | 94 | 99 | 91 | 77 | 42 | 64 | 40 | 30 | 28 | 36 | 16 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1670 | 43 | 75 | 104 | 118 | 128 | 98 | 44 | 84 | 69 | 80 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 |
| 1680 | 117 | 101 | 104 | 135 | 61 | 0 | 105 | 112 | 138 | 136 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 18 |
| 1690 | 123 | 146 | 217 | 150 | 131 | 151 | 82 | 153 | 140 | 156 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1700 | 129 | 153 | 116 | 93 | 91 | 159 | 127 | 61 | 72 | 103 | 18 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1710 | 130 | 111 | 105 | 103 | 86 | 86 | 93 | 88 | 125 | 120 | 19 | 19 | 18 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1720 | 160 | 117 | 99 | 171 | 92 | 170 | 155 | 122 | 143 | 48 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 |
| 1730 | 109 | 102 | 137 | 97 | 121 | 12 | 79 | 66 | 97 | 68 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 18 |
| 1740 | 57 | 72 | 73 | 102 | 80 | 119 | 162 | 132 | 96 | 147 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 |
| 1750 | 51 | 61 | 37 | 46 | 110 | 39 | 44 | 68 | 79 | 67 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1760 | 77 | 96 | 94 | 82 | 131 | 82 | 155 | 130 | 144 | 155 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1770 | 170 | 168 | 164 | 90 | 142 | 120 | 84 | 94 | 96 | 83 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1780 | 51 | 79 | 60 | 94 | 113 | 67 | 95 | 126 | 85 | 84 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1790 | 60 | 124 | 92 | 142 | 62 | 87 | 88 | 57 | 90 | 144 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1800 | 108 | 85 | 134 | 100 | 102 | 78 | 45 | 95 | 113 | 85 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1810 | 115 | 127 | 129 | 121 | 142 | 148 | 178 | 109 | 35 | 36 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 19 | 19 |
| 1820 | 20 | 46 | 43 | 32 | 24 | 75 | 89 | 52 | 108 | 87 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1830 | 156 | 122 | 151 | 134 | 112 | 151 | 86 | 69 | 105 | 115 | 20 | 20 | 20 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1840 | 114 | 123 | 64 | 64 | 70 | 63 | 87 | 11 | 90 | 107 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 23 | 23 | 23 |
| 1850 | 96 | 41 | 142 | 127 | 130 | 110 | 102 | 91 | 94 | 70 | 23 | 24 | 24 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1860 | 95 | 19 | 103 | 99 | 56 | 105 | 104 | 117 | 194 | 146 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1870 | 86 | 55 | 60 | 74 | 90 | 103 | 37 | 128 | 94 | 60 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1880 | 77 | 71 | 94 | 91 | 134 | 170 | 143 | 153 | 140 | 140 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 1890 | 170 | 139 | 116 | 97 | 52 | 72 | 42 | 123 | 106 | 87 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1900 | 54 | 72 | 8 | 110 | 29 | 102 | 90 | 142 | 136 | 141 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1910 | 139 | 79 | 130 | 91 | 211 | 172 | 176 | 120 | 101 | 144 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1920 | 148 | 175 | 105 | 132 | 131 | 92 | 110 | 112 | 127 | 118 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1930 | 103 | 99 | 131 | 85 | 62 | 106 | 72 | 101 | 121 | 63 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 23 | 23 |
| 1940 | 89 | 138 | 111 | 94 | 92 | 85 | 20 | 66 | 73 | 111 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1950 | 42 | 17 | 74 | 36 | 73 | 44 | 29 | 96 | 73 | 41 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1960 | 108 | 81 | 57 | 85 | 37 | 110 | 92 | 93 | 100 | 117 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 1970 | 91 | 106 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .373 STANDARD DEVIATION = .397 MEAN SENSITIVITY = .412 N = 1056
SERIAL CORRELATION = .476 STANDARD DEVIATION = .372 MEAN SENSITIVITY = .339 N = 642

24 RESERVE ID 900999
CENTRAL LAT 33 DEG 45 MIN, LONG 108 DEG 45 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PNN PP DF JUN, LIVING - DF

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 578 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 66 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 580 | 64 | 57 | 114 | 157 | 190 | 181 | 140 | 69 | 130 | 162 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 590 | 32 | 70 | 145 | 155 | 133 | 115 | 104 | 167 | 121 | 64 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 600 | 101 | 105 | 52 | 57 | 50 | 80 | 80 | 101 | 85 | 39 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 610 | 40 | 49 | 108 | 94 | 56 | 59 | 132 | 143 | 153 | 85 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 620 | 75 | 183 | 159 | 109 | 127 | 24 | 34 | 111 | 116 | 172 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 630 | 92 | 97 | 85 | 122 | 104 | 90 | 174 | 119 | 42 | 89 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 640 | 96 | 148 | 63 | 166 | 112 | 5 | 27 | 65 | 67 | 197 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 650 | 96 | 93 | 156 | 159 | 56 | 125 | 175 | 145 | 80 | 120 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 |
| 660 | 27 | 59 | 80 | 73 | 65 | 85 | 118 | 103 | 105 | 110 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 670 | 146 | 104 | 107 | 159 | 36 | 136 | 121 | 58 | 83 | 105 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 680 | 96 | 75 | 118 | 137 | 159 | 114 | 49 | 115 | 103 | 142 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 690 | 74 | 128 | 82 | 116 | 61 | 114 | 125 | 137 | 108 | 102 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 |
| 700 | 100 | 97 | 90 | 95 | 30 | 62 | 22 | 57 | 119 | 37 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 |
| 710 | 92 | 72 | 69 | 103 | 139 | 152 | 159 | 120 | 84 | 124 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 |
| 720 | 100 | 41 | 59 | 33 | 52 | 116 | 75 | 115 | 173 | 156 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 730 | 151 | 187 | 144 | 137 | 84 | 108 | 92 | 126 | 21 | 67 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 10 | 10 |
| 740 | 131 | 48 | 31 | 28 | 97 | 100 | 147 | 177 | 121 | 265 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| 750 | 136 | 35 | 121 | 97 | 104 | 105 | 71 | 51 | 112 | 98 | 8 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| 760 | 35 | 93 | 54 | 126 | 44 | 72 | 133 | 37 | 116 | 93 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| 770 | 26 | 115 | 156 | 88 | 34 | 86 | 93 | 158 | 56 | 46 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| 780 | 98 | 72 | 108 | 188 | 129 | 87 | 54 | 76 | 39 | 78 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 790 | 60 | 150 | 71 | 96 | 38 | 65 | 93 | 123 | 67 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 800 | 95 | 114 | 130 | 131 | 152 | 139 | 147 | 79 | 114 | 20 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 810 | 96 | 96 | 113 | 116 | 49 | 154 | 115 | 70 | 6 | 90 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 820 | 174 | 139 | 123 | 14 | 0 | 44 | 82 | 90 | 109 | 71 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 830 | 110 | 137 | 164 | 191 | 227 | 139 | 116 | 53 | 115 | 97 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 840 | 22 | 87 | 119 | 178 | 138 | 96 | 9 | 12 | 136 | 103 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 850 | 56 | 71 | 127 | 86 | 144 | 114 | 142 | 60 | 176 | 106 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 860 | 166 | 150 | 145 | 191 | 134 | 103 | 101 | 43 | 63 | 119 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 870 | 45 | 160 | 79 | 111 | 93 | 105 | 160 | 91 | 38 | 83 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 880 | 122 | 128 | 88 | 74 | 10 | 31 | 65 | 78 | 49 | 42 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 890 | 82 | 90 | 45 | 130 | 51 | 117 | 83 | 185 | 235 | 153 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 |
| 900 | 75 | 29 | 128 | 57 | 126 | 111 | 8 | 46 | 99 | 63 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 910 | 60 | 76 | 56 | 68 | 75 | 142 | 139 | 85 | 184 | 155 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 920 | 72 | 36 | 67 | 81 | 87 | 106 | 94 | 83 | 152 | 107 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 930 | 120 | 153 | 127 | 119 | 79 | 71 | 128 | 30 | 131 | 114 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 940 | 118 | 136 | 107 | 118 | 136 | 116 | 71 | 134 | 118 | 143 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 950 | 102 | 100 | 143 | 119 | 21 | 128 | 158 | 63 | 54 | 118 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 960 | 129 | 89 | 129 | 89 | 53 | 153 | 145 | 114 | 130 | 44 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 970 | 90 | 93 | 14 | 90 | 94 | 23 | 80 | 127 | 57 | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 980 | 49 | 74 | 131 | 138 | 28 | 80 | 179 | 147 | 226 | 232 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 990 | 96 | 0 | 99 | 27 | 175 | 137 | 86 | 76 | 102 | 57 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 1000 | 169 | 86 | 69 | 104 | 79 | 4 | 107 | 114 | 104 | 97 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1010 | 121 | 114 | 124 | 103 | 67 | 94 | 119 | 102 | 103 | 45 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1020 | 121 | 90 | 97 | 107 | 162 | 113 | 139 | 119 | 119 | 125 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1030 | 123 | 106 | 108 | 107 | 81 | 26 | 38 | 41 | 40 | 66 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1040 | 63 | 28 | 52 | 77 | 69 | 89 | 98 | 108 | 85 | 117 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1050 | 110 | 131 | 160 | 130 | 110 | 132 | 123 | 117 | 111 | 92 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1060 | 152 | 120 | 104 | 123 | 109 | 160 | 145 | 76 | 97 | 130 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 1070 | 116 | 101 | 137 | 118 | 146 | 110 | 192 | 223 | 217 | 226 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1080 | 148 | 70 | 105 | 81 | 144 | 86 | 162 | 177 | 189 | 224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1090 | 133 | 52 | 105 | 72 | 38 | 83 | 108 | 53 | 87 | 28 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 1100 | 49 | 113 | 84 | 94 | 56 | 101 | 104 | 92 | 30 | 115 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1110 | 98 | 53 | 60 | 60 | 61 | 96 | 103 | 136 | 140 | 82 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1120 | 46 | 88 | 120 | 111 | 137 | 155 | 100 | 154 | 139 | 90 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 1130 | 73 | 20 | 90 | 54 | 23 | 79 | 106 | 1 | 86 | 156 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1140 | 145 | 195 | 198 | 110 | 129 | 147 | 69 | 72 | 91 | 47 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 1150 | 7 | 79 | 65 | 102 | 91 | 107 | 75 | 93 | 40 | 96 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 1160 | 126 | 117 | 131 | 90 | 148 | 146 | 106 | 144 | 78 | 54 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| 1170 | 113 | 96 | 110 | 116 | 94 | 60 | 104 | 67 | 94 | 96 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1180 | 106 | 116 | 51 | 102 | 106 | 82 | 61 | 96 | 102 | 99 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 |
| 1190 | 102 | 100 | 62 | 102 | 107 | 121 | 113 | 120 | 106 | 66 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1200 | 150 | 144 | 117 | 128 | 124 | 61 | 68 | 106 | 93 | 164 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| 1210 | 143 | 109 | 124 | 119 | 79 | 20 | 54 | 27 | 73 | 101 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1220 | 83 | 90 | 45 | 105 | 59 | 116 | 91 | 27 | 105 | 162 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1230 | 121 | 147 | 157 | 59 | 89 | 153 | 96 | 154 | 156 | 156 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1240 | 99 | 177 | 114 | 114 | 130 | 100 | 102 | 64 | 130 | 142 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1250 | 101 | 16 | 69 | 55 | 9 | 65 | 73 | 74 | 86 | 170 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 |
| 1260 | 99 | 97 | 90 | 99 | 96 | 172 | 78 | 120 | 111 | 83 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 |
| 1270 | 94 | 110 | 51 | 80 | 115 | 151 | 65 | 73 | 78 | 150 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1280 | 86 | 126 | 54 | 44 | 115 | 91 | 27 | 999 | 999 | 999 | 7 | 7 | 6 | 6 | 3 | 2 | 2 | 0 | 0 | 0 |
| 1290 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1310 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1320 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1330 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1340 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1470 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1480 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1490 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1510 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1520 | 54 | 38 | 42 | 74 | 34 | 22 | 112 | 68 | 30 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1530 | 56 | 26 | 23 | 109 | 107 | 42 | 129 | 127 | 26 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1540 | 119 | 107 | 30 | 117 | 54 | 55 | 58 | 61 | 67 | 77 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1550 | 131 | 104 | 106 | 220 | 102 | 202 | 153 | 121 | 80 | 57 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1560 | 34 | 104 | 51 | 66 | 85 | 155 | 34 | 56 | 56 | 96 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1570 | 107 | 61 | 58 | 31 | 15 | 60 | 64 | 85 | 74 | 32 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1580 | 48 | 111 | 133 | 81 | 74 | 32 | 86 | 95 | 117 | 70 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1590 | 69 | 99 | 43 | 60 | 152 | 112 | 116 | 79 | 58 | 78 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1600 | 72 | 85 | 93 | 157 | 127 | 111 | 95 | 113 | 141 | 164 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1610 | 115 | 99 | 93 | 78 | 99 | 63 | 105 | 111 | 139 | 97 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1620 | 178 | 216 | 120 | 69 | 42 | 69 | 32 | 106 | 91 | 175 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1630 | 154 | 102 | 56 | 99 | 139 | 124 | 79 | 62 | 92 | 135 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1640 | 146 | 100 | 48 | 129 | 118 | 67 | 105 | 105 | 66 | 98 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1650 | 121 | 197 | 84 | 92 | 62 | 153 | 105 | 84 | 70 | 78 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1660 | 137 | 135 | 100 | 93 | 52 | 119 | 93 | 76 | 36 | 82 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1670 | 14 | 109 | 137 | 104 | 109 | 91 | 108 | 95 | 44 | 60 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 1680 | 117 | 99 | 67 | 71 | 69 | 32 | 102 | 93 | 105 | 134 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1690 | 131 | 82 | 151 | 146 | 150 | 100 | 79 | 93 | 125 | 123 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1700 | 118 | 181 | 106 | 152 | 94 | 90 | 94 | 61 | 85 | 29 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

24 RESERVE ID 900999
CENTRAL LAT 33 DEG 45 MIN, LONG 108 DEG 45 MIN, ELEV 6200 FT
SPECIES: ARCHAEOL - PNN PP DF JUN, LIVING - DF

| DATE | TREE RING INDICES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | NUMBER OF SAMPLES 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1710 | 164 | 133 | 129 | 64 | 107 | 69 | 24 | 81 | 93 | 78 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1720 | 105 | 92 | 112 | 101 | 96 | 91 | 149 | 98 | 49 | 49 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1730 | 88 | 50 | 78 | 44 | 73 | 54 | 60 | 66 | 66 | 67 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1740 | 56 | 81 | 85 | 100 | 87 | 102 | 181 | 166 | 38 | 129 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1750 | 122 | 128 | 83 | 93 | 120 | 153 | 113 | 67 | 124 | 160 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1760 | 111 | 112 | 148 | 106 | 135 | 153 | 167 | 127 | 143 | 141 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1770 | 132 | 187 | 118 | 45 | 97 | 89 | 85 | 65 | 113 | 89 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1780 | 67 | 107 | 88 | 160 | 160 | 62 | 92 | 113 | 70 | 91 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1790 | 73 | 115 | 111 | 208 | 96 | 160 | 163 | 105 | 105 | 123 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1800 | 101 | 105 | 109 | 80 | 126 | 94 | 59 | 107 | 97 | 109 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1810 | 127 | 82 | 120 | 90 | 87 | 151 | 202 | 108 | 44 | 47 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1820 | 52 | 107 | 44 | 92 | 89 | 86 | 86 | 72 | 145 | 114 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1830 | 139 | 97 | 127 | 154 | 155 | 130 | 75 | 108 | 101 | 151 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1840 | 132 | 88 | 74 | 98 | 121 | 99 | 122 | 38 | 120 | 140 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1850 | 152 | 92 | 124 | 110 | 103 | 114 | 134 | 96 | 124 | 88 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1860 | 112 | 41 | 95 | 41 | 56 | 87 | 100 | 99 | 118 | 105 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1870 | 98 | 77 | 62 | 56 | 55 | 62 | 58 | 99 | 82 | 80 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1880 | 57 | 73 | 124 | 92 | 97 | 97 | 91 | 89 | 92 | 82 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1890 | 91 | 113 | 63 | 52 | 59 | 64 | 83 | 93 | 158 | 111 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1900 | 76 | 105 | 90 | 90 | 38 | 110 | 105 | 162 | 131 | 119 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1910 | 106 | 111 | 141 | 101 | 149 | 186 | 163 | 123 | 89 | 112 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1920 | 129 | 63 | 57 | 76 | 125 | 36 | 127 | 99 | 94 | 61 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 121 | 150 | 147 | 151 | 59 | 93 | 94 | 117 | 109 | 98 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 109 | 153 | 113 | 61 | 79 | 90 | 62 | 61 | 91 | 112 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 66 | 59 | 104 | 58 | 84 | 46 | 55 | 108 | 118 | 39 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 122 | 87 | 100 | 84 | 51 | 138 | 140 | 57 | 999 | 999 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 0 |

SERIAL CORRELATION = .343 STANDARD DEVIATION = .428 MEAN SENSITIVITY = .452 N = 709
SERIAL CORRELATION = .340 STANDARD DEVIATION = .366 MEAN SENSITIVITY = .361 N = 448

25 LITTLE COLORADO ID 600000
CENTRAL LAT 34 DEG 22 MIN, LONG 109 DEG 27 MIN, ELEV 6500 FT
SPECIES: ARCHAEOL - PNN* PP JUN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 680 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 710 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 720 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 730 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 740 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 750 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 760 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 770 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 780 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 790 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 800 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 820 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 830 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 840 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 850 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 860 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 870 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 880 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 890 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910 | 999 | 999 | 999 | 999 | 999 | 999 | 84 | 85 | 112 | 181 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 920 | 97 | 40 | 29 | 138 | 122 | 152 | 183 | 62 | 65 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 930 | 91 | 63 | 55 | 104 | 86 | 103 | 116 | 55 | 136 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 940 | 76 | 120 | 61 | 145 | 129 | 92 | 103 | 68 | 69 | 118 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 950 | 102 | 150 | 133 | 112 | 35 | 63 | 102 | 31 | 61 | 120 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 960 | 193 | 132 | 182 | 162 | 46 | 127 | 127 | 73 | 132 | 73 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 970 | 109 | 96 | 55 | 201 | 146 | 40 | 90 | 149 | 104 | 123 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 980 | 51 | 25 | 104 | 140 | 71 | 108 | 92 | 87 | 107 | 121 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 990 | 37 | 35 | 40 | 89 | 94 | 97 | 104 | 93 | 111 | 110 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1000 | 126 | 100 | 98 | 85 | 120 | 38 | 105 | 153 | 123 | 85 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 1010 | 80 | 112 | 120 | 141 | 78 | 99 | 95 | 104 | 76 | 46 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 1020 | 151 | 140 | 39 | 70 | 84 | 99 | 78 | 99 | 100 | 157 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1030 | 149 | 101 | 114 | 120 | 104 | 22 | 22 | 71 | 116 | 102 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 1040 | 81 | 44 | 105 | 84 | 81 | 129 | 135 | 139 | 55 | 127 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 1050 | 179 | 73 | 141 | 122 | 88 | 81 | 91 | 82 | 100 | 87 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1060 | 106 | 113 | 113 | 150 | 144 | 179 | 94 | 20 | 120 | 156 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1070 | 115 | 114 | 119 | 96 | 111 | 78 | 140 | 177 | 102 | 155 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1080 | 120 | 51 | 88 | 63 | 90 | 71 | 27 | 119 | 119 | 81 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1090 | 66 | 9 | 103 | 73 | 38 | 106 | 118 | 31 | 73 | 26 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1100 | 104 | 89 | 98 | 89 | 85 | 142 | 93 | 91 | 47 | 138 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1110 | 144 | 109 | 113 | 78 | 107 | 90 | 173 | 148 | 100 | 97 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1120 | 92 | 57 | 100 | 110 | 129 | 79 | 61 | 119 | 181 | 168 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1130 | 106 | 68 | 83 | 90 | 85 | 77 | 74 | 84 | 81 | 108 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1140 | 83 | 133 | 119 | 75 | 70 | 104 | 56 | 139 | 161 | 176 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1150 | 110 | 122 | 155 | 82 | 83 | 107 | 64 | 86 | 49 | 108 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1160 | 108 | 62 | 180 | 193 | 133 | 158 | 167 | 120 | 45 | 66 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1170 | 88 | 141 | 142 | 113 | 53 | 27 | 65 | 8 | 67 | 110 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1180 | 106 | 137 | 72 | 74 | 122 | 113 | 54 | 75 | 41 | 55 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 1190 | 158 | 127 | 88 | 97 | 118 | 116 | 148 | 150 | 109 | 88 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1200 | 136 | 165 | 159 | 117 | 93 | 88 | 76 | 90 | 86 | 108 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1210 | 128 | 90 | 135 | 70 | 38 | 69 | 36 | 15 | 85 | 150 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1220 | 72 | 79 | 104 | 79 | 68 | 124 | 80 | 30 | 173 | 153 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1230 | 124 | 112 | 170 | 93 | 107 | 129 | 98 | 151 | 126 | 112 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 |
| 1240 | 118 | 148 | 131 | 134 | 113 | 133 | 60 | 100 | 66 | 95 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1250 | 37 | 16 | 63 | 33 | 4 | 112 | 42 | 77 | 39 | 173 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1260 | 124 | 144 | 134 | 22 | 15 | 145 | 117 | 104 | 87 | 46 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 1270 | 36 | 98 | 80 | 59 | 106 | 160 | 81 | 127 | 65 | 122 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1280 | 74 | 100 | 160 | 127 | 177 | 149 | 40 | 95 | 13 | 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1290 | 108 | 36 | 45 | 139 | 53 | 54 | 51 | 130 | 177 | 59 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1300 | 111 | 178 | 124 | 230 | 162 | 255 | 172 | 139 | 12 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1310 | 175 | 158 | 187 | 209 | 159 | 88 | 116 | 115 | 175 | 124 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1320 | 152 | 175 | 88 | 51 | 59 | 97 | 80 | 125 | 72 | 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1330 | 127 | 67 | 85 | 108 | 67 | 43 | 52 | 88 | 57 | 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1340 | 55 | 47 | 44 | 48 | 46 | 53 | 999 | 999 | 999 | 999 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 1350 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1360 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1370 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1380 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1390 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1410 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1420 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1430 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1440 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1450 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1460 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1470 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1480 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1490 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1510 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1520 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1530 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1540 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1550 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1560 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1570 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1580 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1590 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1610 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1620 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1630 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1640 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1650 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1660 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1670 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1687 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 104 | 84 | 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 |
| 1690 | 126 | 117 | 113 | 100 | 123 | 135 | 64 | 68 | 79 | 104 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1700 | 93 | 118 | 108 | 99 | 59 | 78 | 131 | 38 | 88 | 102 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1710 | 148 | 136 | 140 | 107 | 139 | 90 | 51 | 81 | 132 | 69 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1720 | 136 | 102 | 126 | 121 | 27 | 99 | 165 | 119 | 6 | 12 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1730 | 60 | 78 | 105 | 75 | 93 | 91 | 122 | 94 | 92 | 61 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 1740 | 87 | 72 | 98 | 141 | 67 | 124 | 157 | 121 | 5 | 141 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1750 | 99 | 96 | 40 | 22 | 118 | 94 | 81 | 107 | 117 | 121 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1760 | 74 | 94 | 129 | 100 | 163 | 131 | 217 | 89 | 210 | 105 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1770 | 172 | 165 | 38 | 2 | 16 | 124 | 161 | 179 | 98 | 103 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1780 | 124 | 15 | 29 | 56 | 147 | 169 | 31 | 96 | 179 | 32 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1790 | 79 | 82 | 109 | 112 | 177 | 46 | 128 | 116 | 64 | 89 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1800 | 126 | 129 | 132 | 123 | 140 | 88 | 18 | 114 | 107 | 93 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 1810 | 43 | 69 | 112 | 107 | 165 | 155 | 202 | 136 | 91 | 9 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |

25 LITTLE COLORADO ID 600000
CENTRAL LAT 34 DEG 22 MIN, LONG 109 DEG 27 MIN, ELEV 6500 FT
SPECIES: ARCHAEOL - PNN* PP JUN, LIVING - PNN

| DATE | TREE RING INDICES | | | | | | | | | | NUMBER OF SAMPLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1820 | 18 | 101 | 59 | 12 | 107 | 112 | 165 | 109 | 121 | 80 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1830 | 143 | 50 | 62 | 151 | 139 | 189 | 86 | 191 | 188 | 208 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1840 | 177 | 173 | 59 | 36 | 178 | 130 | 107 | 3 | 95 | 194 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1850 | 145 | 80 | 155 | 100 | 108 | 111 | 122 | 5 | 160 | 99 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1860 | 79 | 29 | 97 | 100 | 28 | 133 | 154 | 108 | 159 | 136 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1870 | 83 | 32 | 78 | 21 | 138 | 120 | 118 | 123 | 99 | 114 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1880 | 94 | 79 | 137 | 100 | 99 | 136 | 49 | 126 | 126 | 145 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1890 | 90 | 129 | 49 | 11 | 15 | 44 | 104 | 114 | 72 | 11 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1900 | 30 | 97 | 2 | 95 | 3 | 131 | 175 | 136 | 169 | 79 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1910 | 91 | 175 | 145 | 22 | 65 | 167 | 132 | 118 | 33 | 210 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1920 | 186 | 88 | 138 | 82 | 155 | 36 | 133 | 76 | 70 | 67 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1930 | 107 | 119 | 129 | 127 | 134 | 80 | 101 | 144 | 68 | 38 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1940 | 68 | 131 | 117 | 33 | 128 | 45 | 25 | 87 | 119 | 88 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1950 | 27 | 18 | 149 | 127 | 71 | 24 | 58 | 13 | 68 | 39 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1960 | 130 | 41 | 114 | 18 | 41 | 149 | 47 | 30 | 147 | 165 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1970 | 124 | 27 | 172 | 224 | 999 | 999 | 999 | 999 | 999 | 999 | 20 | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 |

SERIAL CORRELATION = .337 STANDARD DEVIATION = .420 MEAN SENSITIVITY = .431 N = 430
SERIAL CORRELATION = .199 STANDARD DEVIATION = .485 MEAN SENSITIVITY = .588 N = 287