

Январь 1963 г. № 52.

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Kazan

Таблица  
с и к индексов

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Казань

### Суточные характеристики

Апрель 1963

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Казань.

Суточные характеристики Июль 1963

| Дата    | Амплитуды    |              |              | Характер<br>Г | K-индекс    |     |     |      |       |       |       |       |    |
|---------|--------------|--------------|--------------|---------------|-------------|-----|-----|------|-------|-------|-------|-------|----|
|         | $\Delta D$   | $\Delta H$   | $\Delta Z$   |               | J-3         | 3-6 | 6-9 | 9-12 | 12-15 | 15-18 | 18-21 | 21-24 | ΣК |
| 1       |              |              |              | 0             | 3           | 1   | 2   | 1    | 0     | 0     | 0     | 0     | 7  |
| 2       |              |              |              | 0             | 1           | 1   | 1   | 2    | 1     | 1     | 1     | 0     | 8  |
| 3       |              |              |              | 0             | 1           | 1   | 0   | 0    | 1     | 0     | 0     | 1     | 4  |
| 4       |              |              |              | 1             | 0           | 1   | 1   | 3    | 4     | 4     | 4     | 3     | 20 |
| 5       |              |              |              | 1             | 3           | 3   | 3   | 3    | 3     | 2     | 2     | 4     | 23 |
| 6       |              |              |              | 1             | 4           | 5   | 3   | 3    | 2     | 2     | 3     | 1     | 23 |
| 7       |              |              |              | 1             | 2           | 1   | 3   | 3    | 4     | 4     | 2     | 2     | 21 |
| 8       |              |              |              | 1             | 2           | 2   | 2   | 2    | 2     | 3     | 2     | 4     | 19 |
| 9       |              |              |              | 1             | 3           | 4   | 2   | 2    | 3     | 3     | 3     | 3     | 23 |
| 10      |              |              |              | 1             | 2           | 3   | 2   | 1    | 1     | 3     | 2     | 3     | 17 |
| 11      |              |              |              | 0             | 2           | 1   | 2   | 1    | 1     | 1     | 2     | 1     | 11 |
| 12      |              |              |              | 0             | 1           | 1   | 1   | 1    | 0     | 1     | 1     | 1     | 7  |
| 13      |              |              |              | 0             | 2           | 2   | 1   | 0    | 1     | 1     | 1     | 1     | 9  |
| 14      |              |              |              | 0             | 1           | 1   | 0   | 1    | 3     | 3     | 0     | 0     | 9  |
| 15      |              |              |              | 0             | 1           | 0   | 0   | 2    | 2     | 1     | 0     | 2     | 8  |
| 16      |              |              |              | 0             | 3           | 3   | 1   | 1    | 2     | 3     | 1     | 2     | 16 |
| 17      |              |              |              | 0             | 3           | 2   | 2   | 4    | 4     | 3     | 1     | 2     | 21 |
| 18      |              |              |              | 0             | 1           | 2   | 1   | 2    | 3     | 4     | 2     | 3     | 18 |
| 19      |              |              |              | 0             | 3           | 2   | 1   | 1    | 2     | 1     | 2     | 0     | 12 |
| 20      |              |              |              | 0             | 0           | 1   | 0   | 2    | 1     | 3     | 4     | 1     | 12 |
| 21      |              |              |              | 1             | 1           | 2   | 3   | 5    | 5     | 5     | 3     | 2     | 26 |
| 22      |              |              |              | 1             | 1           | 1   | 2   | 2    | 4     | 4     | 2     | 2     | 18 |
| 23      |              |              |              | 1             | 2           | 2   | 2   | 3    | 4     | 2     | 4     | 6     | 25 |
| 24      |              |              |              | 1             | 4           | 4   | 4   | 4    | 4     | 4     | 2     | 2     | 28 |
| 25      |              |              |              | 1             | 2           | 4   | 3   | 2    | 2     | 2     | 1     | 3     | 19 |
| 26      |              |              |              | 0             | 3           | 2   | 2   | 3    | 2     | 1     | 4     | 4     | 21 |
| 27      |              |              |              | 0             | 4           | 4   | 3   | 1    | 2     | 3     | 1     | 3     | 21 |
| 28      |              |              |              | 0             | 3           | 1   | 1   | 2    | 1     | 0     | 0     | 0     | 8  |
| 29      |              |              |              | 0             | 0           | 0   | 0   | 0    | 1     | 1     | 2     | 3     | 7  |
| 30      |              |              |              | 1             | 2           | 3   | 3   | 3    | 5     | 2     | 5     | 3     | 26 |
| 31      |              |              |              | 1             | 4           | 3   | 2   | 2    | 4     | 3     | 3     | 5     | 26 |
| Среднее | $E_D = 4.32$ | $E_H = 5.23$ | $E_Z = 6.56$ |               | $K_3 = 550$ |     |     |      |       |       |       |       |    |

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| Дата    | Амплитуды                                                         |            |            | Характер<br>$\zeta$ | K-индекс    |     |     |      |       |       |       |       |            |
|---------|-------------------------------------------------------------------|------------|------------|---------------------|-------------|-----|-----|------|-------|-------|-------|-------|------------|
|         | $\Delta D$                                                        | $\Delta H$ | $\Delta Z$ |                     | 0-3         | 3-6 | 6-9 | 9-12 | 12-15 | 15-18 | 18-21 | 21-24 | $\Sigma K$ |
| 1       |                                                                   |            |            | 1                   | 4           | 3   | 2   | 3    | 3     | 3     | 3     | 3     | 24         |
| 2       |                                                                   |            |            | 1                   | 2           | 3   | 4   | 3    | 2     | 2     | 3     | 3     | 22         |
| 3       |                                                                   |            |            | 0                   | 3           | 3   | 2   | 1    | 1     | 1     | 2     | 2     | 15         |
| 4       |                                                                   |            |            | 1                   | 2           | 1   | 3   | 3    | 4     | 1     | 3     | 3     | 20         |
| 5       |                                                                   |            |            | 0                   | 3           | 3   | 2   | 3    | 3     | 1     | 2     | 3     | 20         |
| 6       |                                                                   |            |            | 0                   | 1           | 1   | 2   | 3    | 2     | 3     | 2     | 3     | 17         |
| 7       |                                                                   |            |            | 0                   | 2           | 3   | 1   | 2    | 2     | 1     | 1     | 1     | 13         |
| 8       |                                                                   |            |            | 0                   | 1           | 1   | 1   | 1    | 2     | 1     | 0     | 0     | 7          |
| 9       |                                                                   |            |            | 0                   | 1           | 2   | 1   | 2    | 1     | 2     | 3     | 1     | 13         |
| 10      |                                                                   |            |            | 0                   | 1           | 1   | 0   | 1    | 3     | 5     | 1     | 0     | 12         |
| 11      |                                                                   |            |            | 0                   | 1           | 0   | 0   | 0    | 1     | 1     | 1     | 1     | 5          |
| 12      |                                                                   |            |            | 0                   | 0           | 1   | 0   | 2    | 1     | 2     | 2     | 1     | 9          |
| 13      |                                                                   |            |            | 0                   | 0           | 0   | 0   | 0    | 0     | 0     | 1     | 1     | 2          |
| 14      |                                                                   |            |            | 0                   | 1           | 0   | 0   | 0    | 0     | 0     | 0     | 1     | 2          |
| 15      |                                                                   |            |            | 0                   | 0           | 1   | 0   | 0    | 3     | 2     | 4     | 4     | 14         |
| 16      |                                                                   |            |            | 0                   | 1           | 1   | 0   | 0    | 1     | 2     | 1     | 1     | 7          |
| 17      |                                                                   |            |            | 0                   | 2           | 1   | 1   | 3    | 1     | 1     | 4     | 3     | 16         |
| 18      |                                                                   |            |            | 1                   | 3           | 2   | 3   | 4    | 5     | 3     | 2     | 4     | 26         |
| 19      |                                                                   |            |            | 1                   | 2           | 1   | 0   | 0    | 2     | 4     | 5     | 6     | 20         |
| 20      |                                                                   |            |            | 1                   | 6           | 5   | 5   | 5    | 5     | 5     | 4     | 4     | 39         |
| 21      |                                                                   |            |            | 1                   | 4           | 3   | 3   | 3    | 4     | 5     | 3     | 3     | 28         |
| 22      |                                                                   |            |            | 0                   | 1           | 1   | 3   | 2    | 2     | 1     | 1     | 4     | 15         |
| 23      |                                                                   |            |            | 0                   | 4           | 4   | 4   | 3    | 4     | 3     | 2     | 1     | 25         |
| 24      |                                                                   |            |            | 0                   | 4           | 1   | 2   | 1    | 2     | 1     | 2     | 1     | 14         |
| 25      |                                                                   |            |            | 0                   | 1           | 1   | 1   | 2    | 1     | 0     | 3     | 3     | 12         |
| 26      |                                                                   |            |            | 0                   | 3           | 2   | 1   | 2    | 3     | 1     | 3     | 1     | 16         |
| 27      |                                                                   |            |            | 1                   | 1           | 0   | 0   | 2    | 2     | 4     | 5     | 4     | 18         |
| 28      |                                                                   |            |            | 1                   | 3           | 3   | 2   | 4    | 3     | 4     | 5     | 4     | 28         |
| 29      |                                                                   |            |            | 1                   | 2           | 3   | 2   | 3    | 3     | 3     | 5     | 3     | 24         |
| 30      |                                                                   |            |            | 0                   | 2           | 1   | 1   | 2    | 2     | 4     | 3     | 4     | 19         |
| 31      |                                                                   |            |            | 1                   | 4           | 2   | 1   | 2    | 3     | 5     | 2     | 4     | 23         |
| Среднее | $\epsilon_D = 4,32\%$ $\epsilon_H = 5,23\%$ $\epsilon_Z = 6,56\%$ |            |            |                     | $K_g = 550$ |     |     |      |       |       |       |       |            |



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## Суточные характеристики Октябрь 1963

| Дата    | Амплитуды    |              |              | Характер<br>С | K-индекс     |     |     |      |       |       |       |       |    |
|---------|--------------|--------------|--------------|---------------|--------------|-----|-----|------|-------|-------|-------|-------|----|
|         | $\Delta D$   | $\Delta H$   | $\Delta Z$   |               | 0-3          | 3-6 | 6-9 | 9-12 | 12-15 | 15-18 | 18-21 | 21-24 | ΣК |
| 1       |              |              |              | 0             | 1            | 0   | 1   | 0    | 1     | 0     | 1     | 1     | 5  |
| 2       |              |              |              | 0             | 0            | 0   | 0   | 0    | 1     | 2     | 2     | 2     | 7  |
| 3       |              |              |              | 0             | 1            | 0   | 0   | 0    | 1     | 0     | 1     | 1     | 4  |
| 4       |              |              |              | 0             | 1            | 2   | 1   | 2    | 1     | 1     | 1     | 1     | 10 |
| 5       |              |              |              | 0             | 1            | 1   | 1   | 2    | 1     | 1     | 3     | 2     | 12 |
| 6       |              |              |              | 0             | 1            | 1   | 0   | 0    | 0     | 1     | 2     | 1     | 6  |
| 7       |              |              |              | 0             | 1            | 1   | 2   | 3    | 0     | 3     | 1     | 4     | 15 |
| 8       |              |              |              | 0             | 3            | 3   | 2   | 3    | 1     | 4     | 1     | 2     | 19 |
| 9       |              |              |              | 0             | 0            | 1   | 1   | 0    | 0     | 2     | 3     | 4     | 11 |
| 10      |              |              |              | 0             | 2            | 0   | 1   | 1    | 1     | 1     | 5     | 3     | 14 |
| 11      |              |              |              | 1             | 2            | 1   | 3   | 5    | 4     | 5     | 3     | 5     | 28 |
| 12      |              |              |              | 2             | 5            | 3   | 3   | 3    | 7     | 6     | 6     | 5     | 38 |
| 13      |              |              |              | 1             | 3            | 4   | 3   | 2    | 5     | 5     | 4     | 5     | 31 |
| 14      |              |              |              | 1             | 5            | 4   | 3   | 5    | 5     | 5     | 5     | 3     | 35 |
| 15      |              |              |              | 1             | 3            | 3   | 2   | 2    | 4     | 1     | 4     | 5     | 24 |
| 16      |              |              |              | 1             | 4            | 2   | 3   | 4    | 3     | 5     | 4     | 2     | 27 |
| 17      |              |              |              | 0             | 0            | 0   | 0   | 0    | 0     | 2     | 1     | 0     | 3  |
| 18      |              |              |              | 0             | 1            | 1   | 0   | 0    | 0     | 1     | 2     | 1     | 6  |
| 19      |              |              |              | 0             | 1            | 0   | 0   | 0    | 1     | 1     | 1     | 1     | 5  |
| 20      |              |              |              | 1             | 2            | 0   | 0   | 1    | 3     | 4     | 3     | 4     | 17 |
| 21      |              |              |              | 0             | 1            | 3   | 2   | 1    | 1     | 1     | 1     | 1     | 11 |
| 22      |              |              |              | 0             | 0            | 0   | 0   | 1    | 1     | 1     | 1     | 0     | 4  |
| 23      |              |              |              | 0             | 0            | 0   | 0   | 0    | 1     | 1     | 3     | 2     | 7  |
| 24      |              |              |              | 1             | 5            | 4   | 5   | 6    | 3     | 5     | 5     | 6     | 39 |
| 25      |              |              |              | 0             | 5            | 3   | 3   | 2    | 3     | 1     | 3     | 3     | 23 |
| 26      |              |              |              | 0             | 3            | 1   | 2   | 1    | 2     | 3     | 1     | 1     | 14 |
| 27      |              |              |              | 0             | 1            | 1   | 1   | 0    | 1     | 0     | 2     | 0     | 6  |
| 28      |              |              |              | 0             | 0            | 0   | 0   | 0    | 0     | 5     | 4     | 2     | 11 |
| 29      |              |              |              | 2             | 3            | 2   | 1   | 1    | 4     | 7     | 7     | 7     | 32 |
| 30      |              |              |              | 1             | 7            | 4   | 4   | 3    | 1     | 1     | 1     | 1     | 22 |
| 31      |              |              |              | 0             | 1            | 1   | 3   | 3    | 1     | 1     | 1     | 1     | 12 |
| Среднее | $E_D = 4.32$ | $E_H = 5.23$ | $E_Z = 6.61$ |               | $K_g = 550.$ |     |     |      |       |       |       |       |    |



Казань

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Суточные характеристики

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