ГОСУДАРСТВЕННЫЙ СТАНДАРТ
СОЮЗА ССР

АТМОСФЕРА ЗЕМЛИ ВЕРХНЯЯ

МОДЕЛЬ ХИМИЧЕСКОГО СОСТАВА

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ГОСУДАРСТВЕННЫЙ СТАНДАРТ СОЮЗА ССР

АТМОСФЕРА ЗЕМЛИ ВЕРХНЯЯ

Модель химического состава

Earth upper atmosphere. Chemical composition model

ГОСТ 25645.154—90

ОКСТУ 0080

Дата введения 01.01.92

Настоящий стандарт устанавливает модель химического состава верхней атмосферы Земли на высотах от 80 до 800 км для различных гелио-геофизических условий.

Стандарт предназначен для разработки и обеспечения нормального функционирования космических систем, а также систем наземного базирования, надежная работа которых требует информации о состоянии околоземного космического пространства.

Требования настоящего стандарта являются обязательными.

1. ОСНОВНЫЕ ПОЛОЖЕНИЯ И ФОРМУЛЫ ДЛЯ ОПРЕДЕЛЕНИЯ ХИМИЧЕСКОГО СОСТАВА ВЕРХНЕЙ АТМОСФЕРЫ ЗЕМЛИ

1.1. Модель химического состава верхней атмосферы построена на основе обобщения и анализа мировых субспутниковых данных по масс-спектрометрическим измерениям состава атмосферы Земли с использованием для аппроксимации этих данных на меньшие высоты теоретического моделирования и результатов ракетного зондирования. Теоретическое моделирование атмосферы проводилось методом численного интегрирования системы уравнений квазигидродинамики в приближении Навье — Стокса (уравнение непрерывности, движения и энергии) для многокомпонентной смеси и позволило построить высотные распределения температуры и концентрации основных нейтральных составляющих верхней атмосферы: молекулярного азота, молекулярного и атомарного кислорода для различных гелио-геофизических условий, используя в качестве граничных условий спутниковые данные.

Издание официальное

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Настоящий стандарт не может быть полностью или частично воспроизведен, тиражирован и распространен без разрешения Госстандарта СССР

Метод численного интегрирования основан на замене переменных, приводящей исходную систему уравнений неразрывности многокомпонентной диффузии и теплового баланса к совместной системе уравнений параболического типа соответственно для компонент O, O_2 и N_2, решаемую конечно-разностным методом с применением потокового варианта метода прогонки, который позволяет получать устойчивое решение.

1.2. Модель химического состава верхней атмосферы представлена в табл. 1—28 в диапазоне высот от 80 до 800 км с шагом 10 км. Приведенные в табл. 1—28 данные соответствуют конкретным значениям индексов солнечной и геомагнитной активности. В качестве индекса солнечной активности используется величина потока радиоизлучения Солнца с длиной волны 10,7 см (F), выраженная в общепринятых условных единицах. Представлены данные для трех уровней солнечной активности: низкого, среднего и высокого ($70 \cdot 10^{-22}$ Вт/м^2·Гц; $150 \cdot 10^{-22}$ Вт/м^2·Гц; $200 \cdot 10^{-22}$ Вт/м^2·Гц).

В табл. 1—28 представлены также данные, соответствующие разным условиям геомагнитной возмущенности, характеризуемой индексом A_p. Спокойные условия соответствуют $A_p = 3$ и сильновозмущенные условия $A_p = 100$.

1.3. Для разных уровней солнечной и геомагнитной активности представлены широтные и сезонные вариации для местного полудня. Пример суточного хода дан для средней солнечной активности и спокойных геомагнитных условий в табл. 25—28.

Изменение химического состава в зависимости от широты приведено в табл. 1—24 для широт 0, 40°, 80°, —40°, —80° (знак минус указывает на южную широту).

1.4. Относительное содержание i-ой составляющей определяют по формуле

$$\overset{\circ}{n}_i = \frac{n_i}{S}, \qquad (1)$$

где n_i – абсолютная концентрация i-ой составляющей;

S – полная концентрация частиц ($S = \sum_{i=1}^{\sigma} n_i$).

Абсолютная концентрация i-ой составляющей может быть определена по данным ГОСТ 25645.102 и настоящего стандарта из следующего соотношения

$$n_i = \overset{\circ}{n}_i \rho \frac{1}{\sum_{i=1}^{3} m_i n_i}, \qquad (2)$$

где ρ – плотность;

m_i – молекулярный (атомный) вес i-го сорта частиц.

2. ТАБЛИЦЫ ПАРАМЕТРОВ ХИМИЧЕСКОГО СОСТАВА ВЕРХНЕЙ АТМОСФЕРЫ ЗЕМЛИ

2.1. В табл. 1—28 приведено выраженное в процентах относительное содержание основных составляющих верхней атмосферы: гелий (He), аргон (Ar), кислород (O и O_2), азот (N_2), водород (H).

2.2. Все данные приведены для одной долготы (LON) 45°.

2.3. Для определения промежуточных значений параметров рекомендуется использовать обычную процедуру осреднения.

2.4. Для каждой таблицы кроме текущего значения индекса F приводится осредненное за 90 дней значение $(F\Delta V)$.

2.5. Перевод всемирного времени в звездное проводят по РД 50—25645.325.

2.6. Кроме приведенных выше обозначений в таблицах имеются следующие:

LAT — ширина, град;

z — высота, км;

D — номер дня в году;

LT — местное время, ч;

UTI — всемирное время, ч.

Таблица 1

Широтные вариации состава при низкой солнечной активности для зимнего периода в северном и летнего периода в южном полушариях

z, км	He S, %	O S, %	O_2 S, %	Ar S, %	H S, %	N_2 S, %
D—1; LAT—0; LON 45; LT—12; F—70; $F\Delta V$—70; A_p —3; UTI—9						
80	5.52E-04	1.14E-03	2.08E+01	9.09E-01	1.82E-05	7.83E+01
90	6.13E-04	2.87E-01	2.03E+01	8.76E-01	1.23E-04	7.85E+01
100	9.55E-04	3.18E+00	1.83E+01	7.53E-01	2.04E-04	7.77E+01
110	2.51E-03	9.66E+00	1.39E+01	5.03E-01	5.28E-04	7.59E+01
120	6.99E-03	1.75E+01	9.72E+00	3.13E-01	1.21E-03	7.24E+01
130	1.18E-02	2.38E+01	7.39E+00	2.14E-01	1.69E-03	6.86E+01
140	1.80E-02	2.90E+01	6.13E+00	1.53E-01	2.03E-03	6.47E+01
150	2.71E-02	3.38E+01	5.27E+00	1.13E-01	2.34E-03	6.08E+01
160	3.93E-02	3.84E+01	4.59E+00	8.45E-02	2.74E-03	5.69E+01
170	5.51E-02	4.29E+01	4.00E+00	6.41E-02	3.29E-03	5.30E+01
180	7.53E-02	4.74E+01	3.48E+00	4.88E-02	4.07E-03	4.90E+01
190	1.01E-01	5.18E+01	3.01E+00	3.73E-02	5.15E-03	4.51E+01
200	1.33E-01	5.61E+01	2.59E+00	2.84E-02	6.61E-03	4.12E+01
210	1.72E-01	6.02E+01	2.21E+00	2.16E-02	8.57E-03	3.74E+01
220	2.21E-01	6.42E+01	1.88E+00	1.63E-02	1.11E-02	3.37E+01
230	2.81E-01	6.79E+01	1.59E+00	1.23E-02	1.45E-02	3.02E+01
240	3.53E-01	7.14E+01	1.34E+00	9.21E-03	1.87E-02	2.69E+01
250	4.40E-01	7.46E+01	1.12E+00	6.87E-03	2.41E-02	2.38E+01
260	5.45E-01	7.75E+01	9.31E-01	5.10E-03	3.10E-02	2.09E+01

Продолжение табл. 1

λ, мкм	He/S, %	O/S, %	O_3/S, %	Ar/S, %	H/S, %	N_2/S, %
270	6.70E-01	8.02E+01	7.71E-01	3.77E-03	3.96E-02	1.83E+01
280	8.18E-01	8.25E+01	6.36E-01	2.78E-03	5.03E-02	1.60E+01
290	9.94E-01	8.45E+01	5.22E-01	2.04E-03	6.37E-02	1.39E+01
300	1.20E+00	8.63E+01	4.27E-01	1.50E-03	8.02E-02	1.20E+01
310	1.46E+00	8.76E+01	3.51E-01	1.10E-03	1.01E-01	1.04E+01
320	1.74E+00	8.89E+01	2.85E-01	8.00E-04	1.26E-01	8.97E+00
330	2.08E+00	8.98E+01	2.31E-01	5.81E-04	1.57E-01	7.68E+00
340	2.47E+00	9.06E+01	1.87E-01	4.21E-04	1.94E-01	6.57E+00
350	2.93E+00	9.11E+01	1.51E-01	3.05E-04	2.40E-01	5.60E+00
360	3.46E+00	9.13E+01	1.22E-01	2.20E-04	2.96E-01	4.77E+00
370	4.08E+00	9.14E+01	9.80E-02	1.59E-04	3.63E-01	4.05E+00
380	4.80E+00	9.12E+01	7.88E-02	1.14E-04	4.44E-01	3.44E+00
390	5.62E+00	9.09E+01	6.32E-02	8.24E-05	5.42E-01	2.91E+00
400	6.56E+00	9.03E+01	5.06E-02	5.92E-05	6.59E-01	2.46E+00
410	7.64E+00	8.94E+01	4.04E-02	4.25E-05	7.99E-01	2.07E+00
420	8.87E+00	8.84E+01	3.22E-02	3.04E-05	9.66E-01	1.74E+00
430	1.03E+01	8.71E+01	2.56E-02	2.17E-05	1.16E+00	1.46E+00
440	1.18E+01	8.55E+01	2.03E-02	1.55E-05	1.39E+00	1.22E+00
450	1.36E+01	8.37E+01	1.61E-02	1.10E-05	1.67E+00	1.02E+00
460	1.55E+01	8.16E+01	1.27E-02	7.82E-06	1.98E+00	8.50E-01
470	1.77E+01	7.93E+01	9.97E-03	5.53E-06	2.35E+00	7.04E-01
480	2.00E+01	7.66E+01	7.80E-03	3.90E-06	2.77E+00	5.81E-01
490	2.25E+01	7.37E+01	6.08E-03	2.73E-06	3.24E+00	4.78E-01
500	2.53E+01	7.05E+01	4.72E-03	1.91E-06	3.78E+00	3.91E-01
510	2.81E+01	6.72E+01	3.65E-03	1.33E-06	4.37E+00	3.18E-01
520	3.11E+01	6.36E+01	2.80E-03	9.21E-07	5.03E+00	2.57E-01
530	3.42E+01	5.98E+01	2.14E-03	6.34E-07	5.75E+00	2.07E-01
540	3.74E+01	5.59E+01	1.63E-03	4.34E-07	6.53E+00	1.66E-01
550	4.05E+01	5.20E+01	1.23E-03	2.96E-07	7.37E+00	1.32E-01
560	4.37E+01	4.80E+01	9.24E-04	2.01E-07	8.25E+00	1.04E-01
570	4.67E+01	4.40E+01	6.90E-04	1.35E-07	9.17E+00	8.21E-02
580	4.97E+01	4.01E+01	5.13E-04	9.07E-08	1.01E+01	6.41E-02
590	5.25E+01	3.63E+01	3.79E-04	6.05E-08	1.11E+01	4.99E-02
600	5.51E+01	3.27E+01	2.78E-04	4.01E-08	1.21E+01	3.86E-02
610	5.75E+01	2.93E+01	2.04E-04	2.65E-08	1.31E+01	2.97E-02
620	5.96E+01	2.62E+01	1.48E-04	1.75E-08	1.42E+01	2.27E-02
630	6.16E+01	2.32E+01	1.07E-04	1.14E-08	1.52E+01	1.73E-02
640	6.33E+01	2.05E+01	7.76E-05	7.47E-09	1.62E+01	1.32E-02
650	6.47E+01	1.80E+01	5.59E-05	4.86E-09	1.72E+01	9.97E-03
660	6.60E+01	1.58E+01	4.01E-05	3.16E-09	1.82E+01	7.52E-03
670	6.70E+01	1.38E+01	2.87E-05	2.05E-09	1.92E+01	5.66E-03
680	6.78E+01	1.21E+01	2.05E-05	1.32E-09	2.02E+01	4.25E-03
690	6.84E+01	1.05E+01	1.46E-05	8.55E-10	2.11E+01	3.18E-03
700	6.88E+01	9.10E+00	1.04E-05	5.51E-10	2.21E+01	2.38E-03

Продолжение табл. 1

z, км	He/S, %	O/S, %	O$_2$/S, %	Ar/S, %	H/S, %	N$_2$/S, %
710	6.91E+01	7.88E+00	7.40E−05	3.55E−10	2.30E+01	1.78E−03
720	6.93E+01	6.81E+00	5.25E−06	2.28E−10	2.39E+01	1.33E−03
730	6.93E+01	5.88E+00	3.73E−05	1.47E−10	2.48E+01	9.89E−04
740	6.92E+01	5.07E+00	2.61E−06	9.45E−11	2.57E+01	7.36E−04
750	6.90E+01	4.37E+00	1.87E−06	6.07E−11	2.66E+01	5.48E−04
760	6.88E+01	3.76E+00	1.33E−06	3.90E−11	2.75E+01	4.08E−04
770	6.84E+01	3.24E+00	9.41E−07	2.51E−11	2.84E+01	3.03E−04
780	6.80E+01	2.78E+00	6.67E−07	1.61E−11	2.92E+01	2.25E−04
790	6.75E+01	2.39E+00	4.72E−07	1.04E−11	3.01E+01	1.68E−04
800	6.70E+01	2.05E+00	3.34E−07	6.68E−12	3.10E+01	1.25E−04

D—1; LAT—40; LON—65; LT —12; *F*—70; *FΔV*—70; A_p —3; UT1—9

80	5.40E−04	1.25E−03	2.08E+01	8.81E−01	1.82E−05	7.83E+01
90	6.05E−04	3.21E−01	2.03E+01	8.30E−01	1.29E−04	7.85E+01
100	9.56E−04	3.61E+00	1.81E+01	6.84E−01	2.32E−04	7.76E+01
110	2.42E−03	1.06E+01	1.36E+01	4.52E−01	5.76E−04	7.53E+01
120	6.94E−03	1.87E+01	9.35E+00	2.75E−01	1.16E−03	7.16E+01
130	2.12E−02	2.58E+01	6.90E+00	1.74E−01	1.70E−03	6.71E+01
140	4.82E−02	3.20E+01	5.55E+00	1.15E−01	2.17E−03	6.22E+01
150	7.96E−02	3.78E+01	4.65E+00	7.82E−02	2.64E−03	5.74E+01
160	1.19E−01	4.34E+01	3.93E+00	5.49E−02	3.22E−03	5.25E+01
170	1.68E−01	4.88E+01	3.32E+00	3.93E−02	4.00E−03	4.77E+01
180	2.32E−01	5.40E+01	2.80E+00	2.84E−02	5.07E−03	4.30E+01
190	3.12E−01	5.89E+01	2.34E+00	2.06E−02	6.53E−03	3.85E+01
200	4.12E−01	6.35E+01	1.95E+00	1.50E−02	8.49E−03	3.41E+01
210	5.36E−01	6.77E+01	1.61E+00	1.09E−02	1.11E−02	3.01E+01
220	6.87E−01	7.16E+01	1.32E+00	7.88E−03	1.45E−02	2.64E+01
230	8.71E−01	7.51E+01	1.08E+00	5.68E−03	1.89E−02	2.29E+01
240	1.09E+00	7.82E+01	8.81E−01	4.08E−03	2.45E−02	1.98E+01
250	1.36E+00	8.08E+01	7.13E−01	2.92E−03	3.17E−02	1.71E+01
260	1.68E+00	8.31E+01	5.75E−01	2.09E−03	4.07E−02	1.46E+01
270	2.06E+00	8.50E+01	4.61E−01	1.48E−03	5.21E−02	1.25E+01
280	2.52E+00	8.65E+01	3.69E−01	1.05E−03	6.64E−02	1.06E+01
290	3.06E+00	8.76E+01	2.94E−01	7.43E−04	8.42E−02	8.97E+00
300	3.69E+00	8.84E+01	2.34E−01	5.24E−04	1.06E−01	7.56E+00
310	4.44E+00	8.89E+01	1.85E−01	3.69E−04	1.34E−01	6.36E+00
320	5.31E+00	8.90E+01	1.46E−01	2.59E−04	1.67E−01	5.33E+00
330	6.33E+00	8.89E+01	1.15E−01	1.81E−04	2.08E−01	4.46E+00
340	7.52E+00	8.84E+01	9.06E−02	1.27E−04	2.58E−01	3.72E+00
350	8.89E+00	8.76E+01	7.10E−02	8.82E−05	3.19E−01	3.09E+00
360	1.05E+01	8.65E+01	5.55E−02	6.13E−05	3.92E−01	2.56E+00
370	1.23E+01	8.51E+01	4.32E−02	4.25E−05	4.80E−01	2.11E+00
380	1.43E+01	8.33E+01	3.35E−02	2.93E−05	5.85E−01	1.74E+00
390	1.66E+01	8.13E+01	2.59E−02	2.02E−05	7.09E−01	1.42E+00
400	1.91E+01	7.88E+01	2.00E−02	1.38E−05	8.54E−01	1.16E+00

Продолжение табл. 1

z, км	He/S, %	O/S, %	O_2/S, %	Ar S, %	H_2S, %	N_2 S, %
410	2.20E+01	7.61E+01	1.53E−02	9.46E−06	1.02E+00	9.43E−01
420	2.50E+01	7.30E+01	1.17E−02	6.43E−06	1.22E+00	7.61E−01
430	2.83E+01	6.96E+01	8.84E−03	4.35E−06	1.44E+00	6.11E 01
440	3.19E+01	6.59E+01	6.66E−03	2.92E−06	1.69E+00	4.88E−01
450	3.56E+01	6.20E+01	4.99E−03	1.95E−06	1.97E+00	3.87E−01
460	3.94E+01	5.80E+01	3.72E−03	1.30E 06	2.28E+00	3.05E −01
470	4.34E+01	5.38E+01	2.75E 03	8.57E− 07	2.61E+00	2.39E−01
480	4.73E+01	4.95E+01	2.02E−03	5.63E−07	2.97E+00	1.86E−01
490	5.12E+01	4.53E+01	1.47E−03	3.67E −07	3.36E+00	1.43E−01
500	5.50E+01	4.11E+01	1.07E 03	2.38E−07	3.76E+00	1.10E−01
510	5.87E+01	3.71E+01	7.71E−04	1.53E− 07	4.18E+00	8.38E−02
520	6.21E+01	3.32E+01	5.52E−04	9.82E−08	4.62E+00	6.34E−02
530	6.53E+01	2.95E+01	3.93E 04	6.26E −08	5.07E+00	4.78E−02
540	6.83E+01	2.61E+01	2.79E−04	3.97E− 08	5.52E+00	3.58E− 02
550	7.10E+01	2.30E+01	1.97E−04	2.51E−08	5.98E+00	2.67E−02
560	7.34E+01	2.02E+01	1.38E−04	1.58E−08	6.44E+00	1.98E−02
570	7.55E+01	1.76E+01	9.67E 05	9.89E 09	6.91E+00	1.47E−02
580	7.73E+01	1.53E+01	6.75E −05	6.19E−09	7.37E+00	1.08E−02
590	7.89E+01	1.32E+01	4.70E−05	3.86E 09	7.84E+00	7.94E−03
600	8.03E+01	1.14E+01	3.26E−05	2.40E−09	8.31E+00	5.82E−03
610	8.14E+01	9.85E+00	2.26E −05	1.49E −09	8.77E+00	4.26E−03
620	8.23E+01	8.46E+00	1.56E−05	9.27E 10	9.24E+00	3.11E−03
630	8.30E+01	7.26E+00	1.08E −05	5.75E−10	9.71E+00	2.27E−03
640	8.36E+01	6.22E+00	7.46E−06	3.56E−10	1.02E+01	1.65E−03
650	8.40E+01	5.32E+00	5.15E−06	2.21E−10	1.07E+01	1.20E−03
660	8.43E+01	4.54E+00	3.55E−06	1.37E−10	1.11E+01	8.76E 04
670	8.45E+01	3.88E+00	2.45E −06	8.47E 11	1.16E+01	6.37E−04
680	8.46E+01	3.31E+00	1.69E−06	5.25E−11	1.21E+01	4.63E−04
690	8.46E+01	2.82E+00	1.16E− 06	3.25E− 11	1.26E+01	3.37E−04
700	8.45E+01	2.40E+00	8.01E−07	2.02E−11	1.31E+01	2.45E−04
710	8.44E+01	2.05E+00	5.52E −07	1.25E−11	1.36E+01	1.78E− 04
720	8.42E+01	1.74E+00	3.81E−07	7.77E−12	1.41E+01	1.29E−04
730	8.39E+01	1.49E+00	2.63E−07	4.82E−12	1.46E+01	9.41E−05
740	8.36E+01	1.26E+00	1.81E−07	3.00E−12	1.52E+01	6.84E −05
750	8.32E+01	1.08E+00	1.25E −07	1.87E−12	1.57E+01	4.98E−05
760	8.28E+01	9.16E 01	8.66E−08	1.16E−12	1.62E+01	3.63E−05
770	8.24E+01	7.80E 01	5.99E− 08	7.24E−13	1.68E+01	2.64E−05
780	8.20E+01	6.64E−01	4.15E−08	4.52E−13	1.74E+01	1.92E−05
790	8.15E+01	5.65E 01	2.87E−08	2.82E 13	1.79E+01	1.40E−05
800	8.10E+01	4.81E−01	1.99E −08	1.76E−13	1.85E+01	1.02E−05

Продолжение табл. 1

z, км	He/S, %	O/S, %	O_2 S, %	Z_r S, %	H/S, %	N_2/S, %
D—1; LAT—80; LON 35; LT 12; *F*—70; *FAV* 70; A_p —3; UT1—9						
80	5.35E—04	1.31E—03	2.08E+01	9.06E—01	1.77E—05	7.82E+01
90	5.91E—04	3.35E—01	2.04E+01	8.69E—01	1.23E—04	7.84E+01
100	9.53E—04	3.81E+00	1.84E+01	7.26E—01	2.36E—04	7.71E+01
110	2.35E—03	1.09E+01	1.44E+01	5.05E—01	5.50E—04	7.41E+01
120	7.36E—03	1.89E+01	1.05E+01	3.28E—01	1.02E—03	7.02E+01
130	3.73E—02	2.60E+01	8.06E+00	2.18E—01	1.46E—03	6.57E+01
140	1.18E—01	3.23E+01	6.58E+00	1.50E—01	1.82E—03	6.09E+01
150	2.08E—01	3.83E+01	5.50E+00	1.04E—01	2.19E—03	5.59E+01
160	3.12E—01	4.43E+01	4.61E+00	7.36E—02	2.67E—03	5.07E+01
170	4.47E—01	5.01E+01	3.84E+00	5.21E—02	3.34E—03	4.56E+01
180	6.23E—01	5.57E+01	3.17E+00	3.69E—02	4.29E—03	4.05E+01
190	8.48E—01	6.10E+01	2.59E+00	2.59E—02	5.60E—03	3.55E+01
200	1.14E+00	6.59E+01	2.09E+00	1.81E—02	7.40E—03	3.09E+01
210	1.50E+00	7.03E+01	1.68E+00	1.26E—02	9.84E—03	2.65E+01
220	1.94E+00	7.41E+01	1.33E+00	8.67E—03	1.31E—02	2.26E+01
230	2.50E+00	7.74E+01	1.05E+00	5.93E—03	1.74E—02	1.91E+01
240	3.18E+00	8.00E+01	8.18E—01	4.03E—03	2.31E—02	1.60E+01
250	4.01E+00	8.21E+01	6.34E—01	2.72E—03	3.04E—02	1.33E+01
260	5.01E+00	8.35E+01	4.89E—01	1.83E—03	3.98E—02	1.10E+01
270	6.22E+00	8.44E+01	3.74E—01	1.22E—03	5.17E—02	8.99E+00
280	7.66E+00	8.47E+01	2.85E—01	8.09E—04	6.69E—02	7.34E+00
290	9.36E+00	8.44E+01	2.16E—01	5.35E—04	8.60E—02	5.95E+00
300	1.14E+01	8.36E+01	1.63E—01	3.52E—04	1.10E—01	4.80E+00
310	1.37E+01	8.22E+01	1.22E—01	2.29E—04	1.39E—01	3.84E+00
320	1.63E+01	8.03E+01	9.06E—02	1.49E—04	1.75E—01	3.06E+00
330	1.94E+01	7.79E+01	6.70E—02	9.64E—05	2.18E—01	2.42E+00
340	2.29E+01	7.49E+01	4.92E—02	6.19E—05	2.70E—01	1.90E+00
350	2.67E+01	7.15E+01	3.59E—02	3.95E—05	3.31E—01	1.48E+00
360	3.08E+01	6.76E+01	2.60E—02	2.50E—05	4.03E—01	1.15E+00
370	3.53E+01	6.33E+01	1.86E—02	1.57E—05	4.84E—01	8.81E—01
380	4.00E+01	5.88E+01	1.33E—02	9.76E—06	5.77E—01	6.69E—01
390	4.48E+01	5.40E+01	9.34E—03	6.02E—06	6.80E—01	5.04E—01
400	4.97E+01	4.91E+01	6.52E—03	3.68E—06	7.92E—01	3.76E—01
410	5.46E+01	4.42E+01	4.51E—03	2.23E—06	9.14E—01	2.78E—01
420	5.93E+01	3.95E+01	3.09E—03	1.34E—06	1.04E+00	2.03E—01
430	6.38E+01	3.49E+01	2.10E—03	8.01E—07	1.18E+00	1.48E—01
440	6.80E+01	3.06E+01	1.42E—03	4.74E—07	1.32E+00	1.06E—01
450	7.19E+01	2.66E+01	9.51E—04	2.79E—07	1.47E+00	7.61E—02
460	7.54E+01	2.29E+01	6.33E—04	1.63E—07	1.61E+00	5.40E—02
470	7.85E+01	1.97E+01	4.19E—04	9.47E—08	1.76E+00	3.81E—02
480	8.13E+01	1.68E+01	2.76E—04	5.48E—08	1.92E+00	2.68E—02
493	8.37E+01	1.42E+01	1.81E—04	3.16E—08	2.07E+00	1.87E—02
500	8.57E+01	1.20E+01	1.18E—04	1.82E—08	2.23E+00	1.31E—02

Продолжение табл. 1

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	8.75E+01	1.01E+01	7.70E−05	1.04E−08	2.38E+00	9.08E−03
520	8.90E+01	8.50E+00	5.01E−05	5.96E−09	2.54E+00	5.29E−03
530	9.02E+01	7.12E+00	3.25E−05	3.41E−09	2.70E+00	4.35E−03
540	9.12E+01	5.95E+00	2.11E−05	1.95E−09	2.87E+00	3.01E−03
550	9.20E+01	4.96E+00	1.37E−05	1.11E−09	3.03E+00	2.08E−03
560	9.27E+01	4.14E+00	8.84E 06	6.34E−10	3.20E+00	1.43E 03
570	9.32E+01	3.44E+00	5.72E−06	3.62E−10	3.38E+00	9.87E−04
580	9.36E+01	2.87E+00	3.71E−06	2.07E 10	3.55E+00	6.80E−04
590	9.39E+01	2.38E+00	2.40E−06	1.18E −10	3.74E+00	4.69E−04
600	9.41E+01	1.98E+00	1.55E−06	6.75E −11	3.93E+00	3.23E−04
610	9.42E+01	1.65E+00	1.01E−06	3.86E−11	4.12E+00	2.23E−04
620	9.43E+01	1.37E+00	6.53E−07	2.21E−11	4.32E+00	1.54E−04
630	9.43E+01	1.14E+00	4.23E−07	1.27E−11	4.53E+00	1.06E−04
640	9.43E+01	9.44E−01	2.75E−07	7.27E−12	4.74E+00	7.32E−05
650	9.43E+01	7.84E−01	1.79E−07	4.18E−12	1.96E+00	5.06E−05
660	9.42E+01	6.52E−01	1.16E−07	2.40E 12	5.19E+00	3.50E−05
670	9.40E+01	5.42E−01	7.56E− 08	1.38E−12	5.42E+00	2.42E−05
680	9.39E+01	4.51E−01	4.92E−08	7.98E−13	5.67E+00	1.68E−05
690	9.37E+01	3.75E−01	3.21E−08	4.61E− 13	5.92E+00	1.16E−05
700	9.35E+01	3.12E−01	2.10E−08	2.67E−13	6.18E+00	8.06E−06
710	9.33E+01	2.59E−01	1.37E−08	1.54E − 13	6.46E+00	5.59E−06
720	9.30E+01	2.16E− 01	8.96E−09	8.95E−14	6.74E+00	3.89E−06
730	9.28E+01	1.80E−01	5.87E−09	5.19E−14	7.03E+00	2.70E−06
740	9.25E+01	1.50E−01	3.84E−09	3.02E−14	7.33E+00	1.88E−06
750	9.22E+01	1.25E− 01	2.52E−09	1.76E −14	7.64E+00	1.31E −06
760	9.19E+01	1.04E−01	1.66E −09	1.02E− 14	7.97E+00	9.12E−07
770	9.16E+01	8.67E−02	1.09E−09	5.98E−15	8.30E+00	6.36E−07
780	9.13E+01	7.23E−02	7.16E 10	3.49E− 15	8.65E+00	4.44E −07
790	9.09E+01	6.04E− 02	4.72E−10	2.04E−15	9.00E+00	3.10E−07
800	9.06E+01	5.04E−02	3.11E−10	1.20E−15	9.37E+00	2.17E−07

D — 1; LAT — 40; LON — 45; LT — 12; F — 70; $F\Delta V$ — 70; A_p — 3; UT1—9

80	5.42E−04	1.05E−03	2.08E+01	9.39E−01	1.66E−05	7.82E+01
90	6.07E−04	2.63E−01	2.04E+01	9.22E 01	1.13E−04	7.84E+01
100	9.53E− 04	2.89E+00	1.85E+01	8.15E− 01	1.91E−04	7.78E+01
110	2.39E −03	8.51E+00	1.44E+01	5.86E−01	4.60E−04	7.65E+01
120	5.52E−03	1.53E+01	1.04E+01	3.91E−01	9.60E−04	7.39E+01
130	6.46E 03	2.08E+01	8.10E+00	2.83E −01	1.35E−03	7.08E+01
140	7.58E−03	2.53E+01	6.84E+00	2.15E−01	1.59E−03	6.77E+01
150	1.09E− 02	2.93E+01	6.00E+00	1.68E−01	1.79E−03	6.45E+01
160	1.57E− 02	3.31E+01	5.33E+00	1.33E−01	2.03E−03	6.14E+01
170	2.20E− 02	3.69E+01	4.75E+00	1.05E− 01	2.39E−03	5.82E+01
180	3.00E−02	4.07E+01	4.23E+00	8.37E− 02	2.90E− 03	5.50E+01
190	4.00E−02	4.44E+01	3.76E+00	6.65E− 02	3.61E− 03	5.17E+01
200	5.25E−02	4.82E+01	3.33E+00	5.28E− 02	4.58E−03	4.84E+01

Продолжение табл. 1

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	6.80E−02	5.20E+01	2.94E+00	4.18E−02	5.87E−03	4.50E+01
220	8.69E−02	5.57E+01	2.58E+00	3.30E−02	7.55E−03	4.16E+01
230	1.10E−01	5.93E+01	2.25E+00	2.59E−02	9.72E−03	3.83E+01
240	1.38E−01	6.28E+01	1.95E+00	2.03E−02	1.25E−02	3.50E+01
250	1.72E−01	6.62E+01	1.69E+00	1.58E−02	1.60E−02	3.19E+01
260	2.12E−01	6.94E+01	1.45E+00	1.23E−02	2.04E−02	2.89E+01
270	2.59E−01	7.25E+01	1.24E+00	9.48E−03	2.58E−02	2.60E+01
280	3.16E−01	7.53E+01	1.06E+00	7.29E−03	3.26E−02	2.33E+01
290	3.82E−01	7.79E+01	8.97E−01	5.59E−03	4.09E−02	2.08E+01
300	4.60E−01	8.02E+01	7.58E−01	4.27E−03	5.10E−02	1.85E+01
310	5.57E−01	8.22E+01	6.46E−01	3.29E−03	6.42E−02	1.66E+01
320	6.63E−01	8.41E+01	5.42E−01	2.50E−03	7.93E−02	1.46E+01
330	7.86E−01	8.58E+01	4.53E−01	1.89E−03	9.75E−02	1.28E+01
340	9.29E−01	8.73E+01	3.78E−01	1.43E−03	1.20E−01	1.12E+01
350	1.09E+00	8.86E+01	3.14E−01	1.07E−03	1.46E−01	9.83E+00
360	1.28E+00	8.97E+01	2.61E−01	8.08E−04	1.78E−01	8.58E+00
370	1.50E+00	9.06E+01	2.16E−01	6.08E−04	2.16E−01	7.47E+00
380	1.76E+00	9.13E+01	1.79E−01	4.56E−04	2.62E−01	6.50E+00
390	2.05E+00	9.18E+01	1.48E−01	3.42E−04	3.17E−01	5.65E+00
400	2.38E+00	9.22E+01	1.22E−01	2.56E−04	3.82E−01	4.90E+00
410	2.76E+00	9.24E+01	1.01E−01	1.92E−04	4.59E−01	4.24E+00
420	3.19E+00	9.25E+01	8.32E−02	1.43E−04	5.52E−01	3.67E+00
430	3.69E+00	9.24E+01	6.85E−02	1.07E−04	6.61E−01	3.17E+00
440	4.25E+00	9.22E+01	5.64E−02	8.00E−05	7.90E−01	2.74E+00
450	4.89E+00	9.18E+01	4.63E−02	5.97E−05	9.41E−01	2.36E+00
460	5.61E+00	9.12E+01	3.80E−02	4.45E−05	1.12E+00	2.03E+00
470	6.42E+00	9.05E+01	3.11E−02	3.31E−05	1.33E+00	1.74E+00
480	7.34E+00	8.96E+01	2.55E−02	2.46E−05	1.57E+00	1.50E+00
490	8.36E+00	8.85E+01	2.08E−02	1.83E−05	1.86E+00	1.28E+00
500	9.50E+00	8.72E+01	1.70E−02	1.36E−05	2.19E+00	1.10E+00
510	1.08E+01	8.57E+01	1.38E−02	1.01E−05	2.57E+00	9.45E−01
520	1.21E+01	8.40E+01	1.12E−02	7.43E−06	3.00E+00	7.96E−01
530	1.37E+01	8.21E+01	9.07E−03	5.48E−06	3.50E+00	6.76E−01
540	1.53E+01	8.00E+01	7.33E−03	4.03E−06	4.06E+00	5.72E−01
550	1.71E+01	7.77E+01	5.90E−03	2.96E−06	4.70E+00	4.83E−01
560	1.90E+01	7.51E+01	4.74E−03	2.16E−06	5.41E+00	4.06E−01
570	2.11E+01	7.24E+01	3.79E−03	1.58E−06	6.21E+00	3.40E−01
580	2.32E+01	6.94E+01	3.02E−03	1.14E−06	7.08E+00	2.84E−01
590	2.55E+01	6.63E+01	2.40E−03	8.28E−07	8.04E+00	2.36E−01
600	2.78E+01	6.29E+01	1.89E−03	5.97E−07	9.08E+00	1.95E−01
610	3.01E+01	5.95E+01	1.49E−03	4.28E−07	1.02E+01	1.61E−01
620	3.25E+01	5.60E+01	1.17E−03	3.06E−07	1.14E+01	1.32E−01
630	3.49E+01	5.24E+01	9.10E−04	2.18E−07	1.26E+01	1.08E−01
640	3.72E+01	4.87E+01	7.06E−04	1.54E−07	1.39E+01	8.73E−02
650	3.95E+01	4.51E+01	5.45E−04	1.09E−07	1.53E+01	7.06E−02
660	4.17E+01	4.16E+01	4.19E−04	7.64E−08	1.67E+01	5.68E−02

Продолжение табл. 1

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2 S, %
670	4.37E+01	3.81E+01	3.20E—04	5.34E—08	1.81E+01	4.54E—02
680	4.56E+01	3.47E+01	2.44E—04	3.72E—08	1.96E+01	3.62E—02
690	4.74E+01	3.15E+01	1.85E—04	2.58E—08	2.10E+01	2.87E—02
700	4.90E+01	2.85E+01	1.40E—04	1.78E—08	2.25E+01	2.27E—02
710	5.04E+01	2.57E+01	1.05E—04	1.23E 08	2.39E+01	1.79E—02
720	5.16E+01	2.30E+01	7.91E—05	8.42E—09	2.53E+01	1.40E—02
730	5.27E+01	2.05E+01	5.92E—05	5.77E - 09	2.67E+01	1.10E—02
740	5.36E+01	1.83E+01	4.41E—05	3.94E—09	2.81E+01	8.55E—03
750	5.43E+01	1.62E+01	3.28E—05	2.68E—09	2.94E+01	6.65E 03
760	5.49E+01	1.44E+01	2.44E—05	1.82E—09	3.07E+01	5.16E—03
770	5.53E+01	1.27E+01	1.81E—05	1.24E—09	3.20E+01	3.99E- 03
780	5.56E+01	1.12E+01	1.34E -05	8.39E—10	3.32E+01	3.09E--03
790	5.57E+01	9.85E+00	9.88E—06	5.68E 10	3.44E+01	2.38E—03
800	5.57E+01	8.65E+00	7.29E -06	3.85E—10	3.56E+01	1.84E 03

D—1; LAT—80, LON—45, LT—12; *F*—70; $\overline{F}\Delta V$—70; A_p—3; UT1 -9

80	5.40E—04	9.00E--04	2.08E+01	9.69E--01	1.63E—05	7.82E+01
90	6.00E—04	2.20E—01	2.05E+01	9.71E—01	1.09E—04	7.83E+01
100	**9.50E—04**	2.38E+00	1.89E+01	8.84E -01	1.88E -04	7.79E+01
110	2.26E—03	6.78E+00	1.56E+01	6.81E—01	4.30E—04	7.70E+01
120	4.30E—03	1.18E+01	1.21E+01	4.96E—01	8.42E 04	7.56E+01
130	3.23E- 03	1.59E+01	9.97E+00	3.89E—01	1.18E—03	7.37E+01
140	2.84E—03	1.91E+01	8.74E+00	3.19E—01	1.38E 03	7.19E+01
150	3.89E—03	2.19E+01	7.89E+00	2.66E—01	1.54E—03	7.00E+01
160	5.60E—03	2.45E+01	7.21E+00	2.22E—01	1.74E—03	6.81E+01
170	7.86E—03	2.71E+01	6.61E+00	1.86E—01	2.04E—03	6.61E+01
180	1.07E 02	2.96E+01	6.07E+00	1.55E—01	2.46E- 03	6.41E+01
190	1.43E—02	3.23E+01	5.58E+00	1.30E—01	3.05E—03	6.20E+01
200	1.89E—02	3.50E+01	5.11E+00	1.08E—01	3.85E -03	5.97E+01
210	2.44E—02	3.78E+01	4.68E+00	8.99E—02	4.91E—03	5.74E+01
220	3.13E—02	4.07E+01	4.27E+00	7.47E—02	6.30E—03	5.49E+01
230	3.97E—02	4.37E+01	3.88E+00	6.19E -02	8.08E 03	5.23E+01
240	4.99E- 02	4.68E+01	3.51E+00	5.11E—02	1.04E 02	4.96E+01
250	6.21E—02	4.99E+01	3.17E+00	4.21E—02	1.32E—02	4.68E+01
260	7.68E—02	5.30E+01	2.85E+00	3.46E—02	1.68E -02	4.40E+01
270	9.43E—02	5.61E+01	2.55E+00	2.83E—02	2.12E—02	4.12E+01
280	1.15E—01	5.92E+01	2.27E--00	2.30E—02	2.67E 02	3.84E+01
290	1.39E 01	6.22E+01	2.01E--00	1.87E—02	3.34E 02	3.56E+01
300	1.68E—01	6.51E+01	1.78E+00	1.51E—02	4.15E—02	3.29E+01
310	2.05E—01	6.73E+01	1.60E+00	1.21E- 02	5.23E—02	3.08E+01
320	2.43E—01	7.02E+01	1.40E+00	9.95E—03	6.42E—02	2.81E+01
330	2.88E—01	7.28E+01	1.22E+00	7.95E—03	7.84E—02	2.56E+01
340	3.39E—01	7.53E+01	1.06E+00	6.34E—03	9.54E—02	2.32E+01

Продолжение табл. 1

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
350	3.97E—01	7.75E+01	9.16E—01	5.04E—03	1.16E—01	2.10E+01
360	4.64E—01	7.96E+01	7.92E—01	4.00E—03	1.39E—01	1.90E+01
370	5.41E—01	8.15E+01	6.83E—01	3.16E—03	1.68E—01	1.71E+01
380	6.28E—01	8.32E+01	5.88E—01	2.50E—03	2.01E—01	1.54E+01
390	7.27E—01	8.48E+01	5.05E—01	1.97E—03	2.40E—01	1.38E+01
400	8.39E—01	8.61E+01	4.33E—01	1.55E—03	2.86E—01	1.23E+01
410	9.66E—01	8.73E+01	3.70E—01	1.22E—03	3.40E—01	1.10E+01
420	1.11E+00	8.84E+01	3.17E—01	9.58E—04	4.04E—01	9.80E+00
430	1.27E+00	8.93E+01	2.70E—01	7.52E—04	4.77E—01	8.72E+00
440	1.45E+00	9.00E+01	2.30E—01	5.89E—04	5.63E—01	7.75E+00
450	1.66E+00	9.06E+01	1.96E—01	4.62E—04	6.63E—01	6.88E+00
460	1.89E+00	9.11E+01	1.67E—01	3.61E—04	7.80E—01	6.11E+00
470	2.15E+00	9.14E+01	1.42E—01	2.82E—04	9.15E—01	5.41E+00
480	2.44E+00	9.16E+01	1.20E—01	2.21E—04	1.07E+00	4.79E+00
490	2.76E+00	9.17E+01	1.02E—01	1.72E—04	1.25E+00	4.23E+00
500	3.13E+00	9.16E+01	8.65E—02	1.35E—04	1.46E+00	3.74E+00
510	3.53E+00	9.14E+01	7.33E—02	1.05E—04	1.70E+00	3.30E+00
520	3.98E+00	9.11E+01	6.20E—02	8.17E—05	1.97E+00	2.90E+00
530	4.47E+00	9.06E+01	5.24E—02	6.36E—05	2.29E+00	2.56E+00
540	5.02E+00	9.00E+01	4.42E—02	4.95E—05	2.65E+00	2.25E+00
550	5.63E+00	8.93E+01	3.73E—02	3.85E—05	3.06E+00	1.97E+00
560	6.29E+00	8.84E+01	3.14E—02	2.99E—05	3.53E+00	1.73E+00
570	7.02E+00	8.74E+01	2.64E—02	2.32E—05	4.06E+00	1.51E+00
580	7.81E+00	8.62E+01	2.21E—02	1.80E—05	4.66E+00	1.32E+00
590	8.67E+00	8.48E+01	1.86E—02	1.39E—05	5.33E+00	1.16E+00
600	9.60E+00	8.33E+01	1.55E—02	1.07E—05	6.08E+00	1.01E+00
610	1.06E+01	8.16E+01	1.30E—02	8.27E—06	6.92E+00	8.74E—01
620	1.17E+01	7.97E+01	1.08E—02	6.36E—06	7.84E+00	7.58E—01
630	1.28E+01	7.77E+01	8.98E—03	4.88E—06	8.87E+00	6.55E—01
640	1.40E+01	7.54E+01	7.44E—03	3.74E—06	9.99E+00	5.65E—01
650	1.53E+01	7.30E+01	6.15E—03	2.86E—06	1.12E+01	4.86E—01
660	1.66E+01	7.05E+01	5.07E—03	2.18E—06	1.25E+01	4.17E—01
670	1.79E+01	6.77E+01	4.17E—03	1.65E—06	1.40E+01	3.56E—01
680	1.93E+01	6.49E+01	3.41E—03	1.25E—06	1.55E+01	3.03E—01
690	2.07E+01	6.19E+01	2.79E—03	9.45E—07	1.71E+01	2.58E—01
700	2.21E+01	5.88E+01	2.27E—03	7.11E—07	1.88E+01	2.18E—01
710	2.35E+01	5.57E+01	1.84E—03	5.33E—07	2.06E+01	1.83E—01
720	2.49E+01	5.25E+01	1.48E—03	3.99E—07	2.25E+01	1.54E—01
730	2.62E+01	4.93E+01	1.19E—03	2.97E—07	2.44E+01	1.29E—01
740	2.75E+01	4.60E+01	9.56E—04	2.20E—07	2.63E+01	1.07E—01
750	2.88E+01	4.29E+01	7.63E—04	1.63E—07	2.83E+01	8.89E—02
760	2.99E+01	3.97E+01	6.07E—04	1.20E—07	3.03E+01	7.35E—02
770	3.10E+01	3.67E+01	4.81E—04	8.82E—08	3.23E+01	6.06E—02
780	3.19E+01	3.38E+01	3.80E—04	6.46E—08	3.42E+01	4.97E—02
790	3.28E+01	3.10E+01	3.00E—04	4.71E—08	3.62E+01	4.07E—02
800	3.36E+01	2.83E+01	2.35E—04	3.43E—08	3.81E+01	3.32E—02

Таблица 2

Широтные вариации состава при средней солнечной активности для зимнего периода в северном и летнего периода в южном полушариях

z, км	He S, %	O/S, %	O$_2$/S, %	Ar/S, %	H S, %	N, S, %
	D—1, LAT -0; LON—45, LT—12; *F* -150, *FAV*—150; A_p – 3; UT1+ 9					
80	5.58E—04	1.22E—03	2.08E+01	9.06E—01	1.60E—05	7.83E+01
90	6.15E—04	3.09E—01	2.02E+01	8.73E—01	9.91E—05	7.86E+01
100	9.56E—04	3.45E+00	1.80E+01	7.49E—01	1.51E—04	7.78E+01
110	2.50E—03	1.06E+01	1.32E+01	4.97E—01	3.50E—04	7.58E+01
120	7.08E—03	1.92E+01	8.69E+00	3.05E—01	7.26E—04	7.18E+01
130	1.18E—02	2.56E+01	6.43E+00	2.11E—01	8.76E—04	6.77E+01
140	1.73E—02	3.07E+01	5.31E+00	1.55E—01	8.97E—04	6.39E+01
150	2.49E—02	3.50E+01	4.63E+00	1.18E—01	8.91E—04	6.03E+01
160	3.42E—02	3.89E+01	4.11E+00	9.28E—02	9.07E—04	5.68E+01
170	4.53E—02	4.27E+01	3.67E+00	7.40E—02	9.65E—04	5.35E+01
180	5.84E—02	4.62E+01	3.28E+00	5.97E—02	1.07E—03	5.04E+01
190	7.37E—02	4.97E+01	2.94E+00	4.85E—02	1.23E—03	4.72E+01
200	9.15E—02	5.30E+01	2.63E+00	3.96E—02	1.44E—03	4.42E+01
210	1.12E—01	5.62E+01	2.35E+00	3.24E—02	1.72E—03	4.13E+01
220	1.36E—01	5.93E+01	2.10E+00	2.65E—02	2.07E—03	3.84E+01
230	1.63E—01	6.23E+01	1.87E+00	2.17E—02	2.50E—03	3.57E+01
240	1.94E—01	6.51E+01	1.66E+00	1.77E—02	3.02E—03	3.30E+01
250	2.30E—01	6.78E+01	1.47E+00	1.45E—02	3.64E—03	3.05E+01
260	2.70E—01	7.03E+01	1.30E+00	1.18E—02	4.38E—03	2.81E+01
270	3.16E—01	7.27E+01	1.15E+00	9.64E—03	5.25E—03	2.58E+01
280	3.68E—01	7.50E+01	1.01E+00	7.85E—03	6.27E—03	2.36E+01
290	4.27E—01	7.71E+01	8.89E—01	6.38E—03	7.48E—03	2.16E+01
300	4.93E—01	7.90E+01	7.80E—01	5.18E—03	8.88E—03	1.97E+01
310	5.68E—01	8.07E+01	6.85E—01	4.21E—03	1.05E—02	1.80E+01
320	6.52E—01	8.24E+01	5.99E—01	3.40E—03	1.24E—02	1.64E+01
330	7.45E—01	8.39E+01	5.23E—01	2.75E—03	1.46E—02	1.48E+01
340	8.50E—01	8.52E+01	4.56E—01	2.22E—03	1.71E—02	1.34E+01
350	9.67E—01	8.65E+01	3.97E—01	1.79E—03	2.01E—02	1.22E+01
360	1.10E+00	8.75E+01	3.45E—01	1.45E—03	2.34E—02	1.10E+01
370	1.24E+00	8.85E+01	3.00E—01	1.16E—03	2.73E—02	9.92E+00
380	1.41E+00	8.94E+01	2.61E—01	9.38E—04	3.18E—02	8.94E+00
390	1.59E+00	9.01E+01	2.26E—01	7.54E—04	3.69E—02	8.05E+00
400	1.79E+00	9.07E+01	1.96E—01	6.07E—04	4.28E—02	7.25E+00
410	2.01E+00	9.13E+01	1.70E—01	4.88E—04	4.95E—02	6.52E+00
420	2.26E+00	9.17E+01	1.47E—01	3.92E—04	5.72E—02	5.85E+00
430	2.54E+00	9.20E+01	1.27E—01	3.15E—04	6.60E—02	5.26E+00
440	2.84E+00	9.23E+01	1.10E—01	2.53E—04	7.60E—02	4.72E+00
450	3.18E+00	9.24E+01	9.50E—02	2.03E—04	8.74E—02	4.23E+00
460	3.55E+00	9.25E+01	8.21E—02	1.63E—04	1.00E—01	3.79E+00
470	3.96E+00	9.25E+01	7.09E—02	1.31E—04	1.15E—01	3.40E+00
480	4.42E+00	9.23E+01	6.11E—02	1.05E—04	1.32E—01	3.04E+00
490	4.92E+00	9.22E+01	5.27E—02	8.41E—05	1.51E—01	2.72E+00
500	5.47E+00	9.19E+01	4.55E—02	6.74E—05	1.72E—01	2.43E+00

Продолжение табл. 2

z, км	He'S, %	O|S, %	O_S, %	Ar'S, %	H S, %	N, S, %
510	6.07E+00	9.15E+01	3.92E 02	5.40E 05	1.97E 01	2.17E+00
520	6.74E+00	9.11E+01	3.37E—02	4.33E—05	2.24E—01	1.94E+00
530	7.46E+00	9.05E+01	2.90E 02	3.47E—05	2.55E 01	1.73F+00
540	8.25E+00	8.99E+01	2.50E—02	2.77E 05	2.90E 01	1.54E+00
550	9.11E+00	8.92F+01	2.15E—02	2.22E—05	3.29E—01	1.37F+00
560	1.00E+01	8.83E—01	1.84E 02	1.78E—05	3.73E 01	1.22E+00
570	1.11E+01	8.74E+01	1.58E 02	1.42E—05	4.21E—01	1.09E+00
580	1.22E+01	8.64E+01	1.36E—02	1.13E—05	4.76E 01	9.66E—01
590	1.33E+01	8.52E+01	1.16E 02	9.04E 06	5.36E 01	8.58E 01
600	1.46E+01	8.40E+01	9.95E 03	7.21E 06	6.03E 01	7.60E 01
610	1.60E+01	8.27E+01	8.50E 03	5.75E—06	6.77E 01	6.73E—01
620	1.74E+01	8.12E+01	7.26E 03	4.57E—06	7.58E 01	5.95E 01
630	1.90E+01	7.96E+01	6.19E—03	3.63E—06	8.48E 01	5.25E—01
640	2.07E+01	7.79E+01	5.27E—03	2.89E 06	9.46E 01	4.63E—01
650	2.24E+01	7.61E+01	4.48E—03	2.29E 06	1.05E+00	4.08E 01
660	2.42E+01	7.42E+01	3.80E 03	1.81E 06	1.17E+00	3.58F 01
670	2.62E+01	7.22E+01	3.22E—03	1.43E 06	1.30E+00	3.14E 01
680	2.82E+01	7.01E+01	2.72E—03	1.13E—06	1.43E+00	2.75E 01
690	3.02E+01	6.79E+01	2.30E—03	8.91E—07	1.58E+00	2.40E—01
700	3.24E+01	6.57E+01	1.94E 03	7.01E—07	1.73E+00	2.10E—01
710	3.46E+01	6.33E+01	1.63E—03	5.51E 07	1.90E+00	1.82E 01
720	3.69E+01	6.09E+01	1.37E 03	4.32E 07	2.08E+00	1.58E—01
730	3.92E+01	5.84E+01	1.14E 03	3.38E—07	2.26E+00	1.37E 01
740	4.15E+01	5.59E+01	9.56E—04	2.64E—07	2.46E+00	1.19E 01
750	4.39E+01	5.34E+01	7.97E 04	2.05E 07	2.67E+00	1.02E—01
760	4.62E+01	5.08E+01	6.64E—04	1.60E 07	2.88E+00	8.80E 02
770	4.86E+01	4.83E+01	5.51E—04	1.24E—07	3.10E+00	7.56E—02
780	5.09E+01	4.57E+01	4.56E 04	9.61E—08	3.34E+00	6.47E 02
790	5.31E+01	4.32E+01	3.77E—04	7.43E—08	3.57E+00	5.54E—02
800	5.54E+01	4.08E+01	3.11E—04	5.74E—08	3.82E+00	4.72E 02

D 1; LAT—40; LON—45; LT—12; *F*—150; *FΔV*—150; A_p—3; UT1—9

80	5.41E 04	1.34E—03	2.08E+01	8.79E—01	1.58E—05	7.83E+01
90	6.05E 04	3.47E 01	2.02E+01	8.27E—01	1.05E—04	7.86E+01
100	9.56E—04	3.94E+00	1.77E+01	6.79E 01	1.74E—04	7.76E+01
110	2.43E—03	1.17E+01	1.28E+01	4.44E—01	3.96E—04	7.50E 01
120	6.77E—03	2.06E+01	8.35E+00	2.69E—01	7.13E—04	7.08E+01
130	1.83E—02	2.78E+01	5.98E+00	1.72E—01	9.04E—04	6.60E+01
140	3.74E 02	3.38E+01	4.81E+00	1.17E 01	9.80E 04	6.12E+01
150	5.77E—02	3.90E+01	4.08E+00	8.29E 02	1.02E 03	5.68E+01
160	8.09E 02	4.39E+01	3.53E+00	6.11E—02	1.09E—03	5.25E+01
170	1.08E—01	4.84E+01	3.07E+00	4.63E 02	1.19E 03	4.84E+01
180	1.40E—01	5.26E+01	2.68E+00	3.56E 02	1.35E 03	4.45E+01
190	1.78E 01	5.66E+01	2.33E+00	2.78E—02	1.58E—03	4.08E+01
200	2.21E 01	6.04E+01	2.03E+00	2.18E 02	1.88E 03	3.73E+01

Продолжение табл. 2

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	2.72E−01	6.39E+01	1.77E+00	1.71E−02	2.27E−03	3.40E+01
320	3.29E−01	6.72E+01	1.53E+00	1.35E−02	2.74E−03	3.09E+01
330	3.96E−01	7.02E+01	1.33E+00	1.07E−02	3.33E−03	2.81E+01
340	4.71E−01	7.30E+01	1.15E+00	8.45E−03	4.04E−03	2.54E+01
350	5.58E−01	7.55E+01	9.93E−01	6.68E−03	4.89E−03	2.29E+01
360	6.56E−01	7.78E+01	8.56E−01	5.28E−03	5.90E−03	2.07E+01
370	7.68E−01	7.99E+01	7.37E−01	4.17E−03	7.10E−03	1.86E+01
380	8.94E−01	8.18E+01	6.34E−01	3.29E−03	8.51E−03	1.67E+01
390	1.04E+00	8.34E+01	5.45E−01	2.59E−03	1.02E−02	1.50E+01
400	1.20E+00	8.49E+01	4.67E−01	2.04E−03	1.21E−02	1.34E+01
410	1.37E+00	8.63E+01	3.99E−01	1.60E−03	1.43E−02	1.19E+01
420	1.58E+00	8.74E+01	3.41E−01	1.26E−03	1.70E−02	1.06E+01
430	1.81E+00	8.84E+01	2.92E−01	9.93E−04	2.01E−02	9.49E+00
440	2.07E+00	8.92E+01	2.50E−01	7.81E−04	2.37E−02	8.46E+00
450	2.37E+00	8.99E+01	2.13E−01	6.14E−04	2.79E−02	7.53E+00
460	2.69E+00	9.04E+01	1.82E−01	4.82E−04	3.28E−02	6.69E+00
470	3.06E+00	9.08E+01	1.55E−01	3.79E−04	3.84E−02	5.94E+00
480	3.47E+00	9.11E+01	1.32E−01	2.97E−04	4.50E−02	5.27E+00
490	3.93E+00	9.12E+01	1.12E−01	2.33E−04	5.25E−02	4.67E+00
400	4.44E+00	9.13E+01	9.56E−02	1.83E−04	6.11E−02	4.14E+00
410	5.01E+00	9.12E+01	8.12E−02	1.43E−04	7.11E−02	3.66E+00
420	5.64E+00	9.10E+01	6.89E−02	1.12E−04	8.25E−02	3.24E+00
430	6.34E+00	9.06E+01	5.85E−02	8.79E−05	9.56E−02	2.86E+00
440	7.12E+00	9.02E+01	4.96E−02	6.88E−05	1.11E−01	2.52E+00
450	7.98E+00	8.96E+01	4.20E−02	5.38E−05	1.28E−01	2.22E+00
460	8.92E+00	8.89E+01	3.55E−02	4.20E−05	1.47E−01	1.96E+00
470	9.96E+00	8.81E+01	3.00E−02	3.28E−05	1.69E−01	1.72E+00
480	1.11E+01	8.72E+01	2.54E−02	2.56E−05	1.94E−01	1.51E+00
490	1.23E+01	8.61E+01	2.14E−02	1.99E−05	2.22E−01	1.33E+00
500	1.37E+01	8.49E+01	1.80E−02	1.55E−05	2.54E−01	1.16E+00
510	1.51E+01	8.35E+01	1.52E−02	1.21E−05	2.90E−01	1.02E+00
520	1.67E+01	8.20E+01	1.27E−02	9.38E−06	3.29E−01	8.89E−01
530	1.84E+01	8.04E+01	1.07E−02	7.28E−06	3.74E−01	7.75E−01
540	2.03E+01	7.86E+01	8.94E−03	5.64E−06	4.23E−01	6.75E−01
550	2.22E+01	7.67E+01	7.47E−03	4.36E−06	4.77E−01	5.86E−01
560	2.43E+01	7.47E+01	6.23E−03	3.36E−06	5.37E−01	5.08E−01
570	2.64E+01	7.25E+01	5.18E−03	2.59E−06	6.02E−01	4.39E−01
580	2.87E+01	7.02E+01	4.30E−03	1.99E−06	6.73E−01	3.79E−01
590	3.11E+01	6.78E+01	3.56E−03	1.53E−06	7.51E−01	3.26E−01
600	3.36E+01	6.53E+01	2.94E−03	1.17E−06	8.34E−01	2.80E−01
610	3.62E+01	6.27E+01	2.43E−03	8.94E−07	9.24E−01	2.40E−01
620	3.88E+01	6.00E+01	2.00E−03	6.81E−07	1.02E+00	2.05E−01
630	4.15E+01	5.72E+01	1.64E−03	5.18E−07	1.12E+00	1.74E−01
640	4.42E+01	5.44E+01	1.34E−03	3.92E−07	1.23E+00	1.48E−01
650	4.69E+01	5.16E+01	1.09E−03	2.97E−07	1.34E+00	1.25E−01
660	4.96E+01	4.88E+01	8.88E−04	2.24E−07	1.46E+00	1.06E−01
670	5.23E+01	4.60E+01	7.20E−04	1.69E−07	1.58E+00	8.92E−02
680	5.50E+01	4.32E+01	5.83E−04	1.27E−07	1.71E+00	7.50E−02
690	5.76E+01	4.05E+01	4.70E−04	9.49E−08	1.84E+00	6.28E−02
700	6.02E+01	3.78E+01	3.79E−04	7.09E−08	1.98E+00	5.25E−02

Продолжение табл. 2

z, км	He/S, %	O/S, %	O S, %	Ar S, %	H/S, %	N, S, %
710	6.26E+01	3.52E+01	3.04E−04	5 29E −08	2.12E+00	4.37E−02
720	6.50E+01	3.27E+01	2.44E− 04	3.94E−08	2.26E+00	3.64E−02
730	6.73E+01	3.03E+01	1.95E−04	2 92E−08	2.40E+00	3.02E−02
740	6 94E+01	2.80E+01	1.56E−04	2.17E−08	2 55E+00	2.50E−02
750	7.14E+01	2.58E+01	1 24E 04	1.61E 08	2.70E+00	2.06E− 02
760	7.34E+01	2 38E+01	9.86E−05	1.19E−08	2.85E +00	1.70E−02
770	7.52E+01	2 18E+01	7.83E 05	8.76E 09	3.00E+00	1 40E 02
780	7 68E+01	2.00E+01	6.20E−05	6.46E−09	3.15E+00	1 15E− 02
790	7.84E+01	1 83E+01	4 91E−05	4.76E−09	3.30E+00	9 46E−03
800	7.98E+01	1 67E+01	3 89E−05	3 50E−09	3 45F+00	7.76E− 03

D—1; LAT −80; LON—45; LT—12; *F*—150; *FAV*—150; A_p—3; UTb −90

80	5 36E—04	1 40E−−03	2 08E+01	9 04E−01	1 51E 05	7 83E+01
90	5 90E 04	3.61E −01	2.03E+01	8.66E −01	9 82E−05	7.84E+01
100	9 52E 04	4.14E+00	1.80E+01	7.22E 01	1.75E−04	7 71E+01
110	2.37E−03	1.20E+01	1 36E+ 01	4.97E−01	3.76E −04	7 39E+01
120	6 95E−03	2.06E+01	9 40E+00	3.21E−01	6.12E−04	6.96E+01
130	2.85E− 02	2.78E+01	7 01E + 00	2.17E−01	7.54E−04	6 49E+01
140	7.62E−02	3 38E+01	5.73E+00	1.53E−01	7.96E−04	6 02E+01
150	1 23E 01	3.92E+01	4 87E +00	1.12E −01	8.17E 04	5.56E+01
160	1.74E−01	4.43E+01	4.20E+00	8.33E −02	8.58E−04	5.12E+01
170	2 33E− 01	4.92E+01	3 62E+ 00	6 30F−02	9.38E−04	4 69E+01
180	3.04E− 01	5 38E+01	3.12E+00	4.81E 02	1.07E −03	4.28E+01
190	3.87E− 01	5.81E+01	2 68E+00	3.68E−02	1.25E− −03	3 88E+01
200	4 86E 01	6.22E+01	2.29E+00	2.82E 02	1 50E −03	3 50F+01
210	6.01E−01	6 59E+01	1.95E+00	2.16E−02	1.83E−03	3.15E+01
220	7 37E−01	6 94F +01	1 66E+00	1.66E−02	2 24E−03	2 82E+01
230	8.95E 01	7.26E+01	1 41E+00	1.27E−02	2.76E−−03	2.51E+01
240	1 08E + 00	7 54E+01	1.19E+00	9 68E− 03	3 40E−−03	2 23E+01
250	1.29E+00	7 80E+01	1 00E+00	7.37E−03	4 18E−−03	1.97E+01
260	1 54E+ 00	8 02E+01	8 40E−01	5 60E 03	5 13E−−03	1 74E+01
270	1.82E+00	8 21E+01	7 03E− 01	4.25E−03	6.28E−−03	1 53E+01
280	2.15E+00	8 38E+01	5.88E−01	3.22E−03	7 67E−−03	1 35E+01
290	2 53E+00	8.52E+01	4.90E −01	2 43E−−03	9 33E−−03	1 18E+01
300	2.96E+00	8.63E+01	4.08E− 01	1.84E− −03	1.13F 02	1.03E+01
310	3.42E+00	8 73E+01	3.36E−01	1 38E−03	1.36E− 02	8.91E+00
320	3.99E+00	8.80E+01	2.79E 01	1 04E −03	1 64E−02	7 76E+00
330	4 63E+ 00	8 84E+01	2.31E 01	7.80E− 04	1.97E −02	6.75E+00
340	5.36E+00	8.86E+01	1.91E−01	5 86E−04	2 36E−02	5.86E +00
350	6 19E + 00	8.86E+01	1.58E−01	1 40E−−04	2.81E −02	5 07E+00
360	7 12E+00	8.83E+01	1 30E −01	3 30E−−01	3 37E −02	4 39E + 00
370	8.17E + 00	8 79E+01	1 07E 01	2.47E− 04	4 01E −02	3 78E+00
380	9.35E+00	8 73E+01	8.80E−02	1 81E 01	4 76E−−02	3 26E+ 00
390	1 07E+01	8.64E+01	7.21E− 02	1.37E− 04	5 62E− 02	2 80E+ 00
400	1.21E+01	8.53E+01	5.90E− 02	1.02F−04	6.63E −02	2 40E+00

Продолжение табл. 2

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	1.38E+01	8.41E+01	4.82E−02	7.61E−05	7.79E−02	2.05E+00
420	1.56E+01	8.26E+01	3.92E−02	5.64E−05	9.11E−02	1.75E+00
430	1.75E+01	8.08E+01	3.19E−02	4.17E−05	1.06E−01	1.49E+00
440	1.97E+01	7.89E+01	2.58E−02	3.08E−05	1.24E−01	1.27E+00
450	2.20E+01	7.68E+01	2.09E−02	2.27E−05	1.43E−01	1.07E+00
460	2.45E+01	7.44E+01	1.68E−02	1.67E−05	1.65E−01	9.05E−01
470	2.72E+01	7.19E+01	1.35E−02	1.22E−05	1.89E−01	7.61E−01
480	3.00E+01	6.91E+01	1.08E−02	8.92E−06	2.16E−01	6.38E−01
490	3.30E+01	6.62E+01	8.62E−03	6.49E−06	2.46E−01	5.33E−01
500	3.61E+01	6.32E+01	6.85E−03	4.70E−06	2.79E−01	4.43E−01
510	3.93E+01	6.00E+01	5.42E−03	3.40E−06	3.14E−01	3.67E−01
520	4.26E+01	5.68E+01	4.28E−03	2.45E−06	3.52E−01	3.03E−01
530	4.59E+01	5.34E+01	3.36E−03	1.76E−06	3.93E−01	2.49E−01
540	4.93E+01	5.01E+01	2.63E−03	1.25E−06	4.36E−01	2.04E−01
550	5.26E+01	4.67E+01	2.05E−03	8.93E−07	4.82E−01	1.66E−01
560	5.59E+01	4.34E+01	1.59E−03	6.34E−07	5.30E−01	1.35E−01
570	5.92E+01	4.01E+01	1.23E−03	4.48E−07	5.80E−01	1.09E−01
580	6.23E+01	3.70E+01	9.46E−04	3.16E−07	6.31E−01	8.78E−02
590	6.53E+01	3.39E+01	7.26E−04	2.22E−07	6.84E−01	7.05E−02
600	6.82E+01	3.10E+01	5.56E−04	1.55E−07	7.39E−01	5.64E−02
610	7.09E+01	2.82E+01	4.24E−04	1.08E−07	7.94E−01	4.49E−02
620	7.35E+01	2.56E+01	3.22E−04	7.54E−08	8.51E−01	3.57E−02
630	7.59E+01	2.32E+01	2.45E−04	5.24E−08	9.08E−01	2.83E−02
640	7.81E+01	2.09E+01	1.85E−04	3.63E−08	9.66E−01	2.24E−02
650	8.01E+01	1.88E+01	1.40E−04	2.51E−08	1.02E+00	1.77E−02
660	8.20E+01	1.69E+01	1.05E−04	1.74E−08	1.08E+00	1.39E−02
670	8.37E+01	1.51E+01	7.94E−05	1.20E−08	1.14E+00	1.09E−02
680	8.53E+01	1.35E+01	5.97E−05	8.26E−09	1.20E+00	8.59E−03
690	8.67E+01	1.21E+01	4.48E−05	5.69E−09	1.26E+00	6.73E−03
700	8.79E+01	1.08E+01	3.36E−05	3.91E−09	1.32E+00	5.27E−03
710	8.90E+01	9.58E+00	2.52E−05	2.69E−09	1.38E+00	4.13E−03
720	9.00E+01	8.52E+00	1.88E−05	1.85E−09	1.44E+00	3.22E−03
730	9.09E+01	7.56E+00	1.41E−05	1.27E−09	1.51E+00	2.52E−03
740	9.17E+01	6.71E+00	1.06E−05	8.73E−10	1.57E+00	1.97E−03
750	9.24E+01	5.95E+00	7.90E−06	6.00E−10	1.63E+00	1.54E−03
760	9.30E+01	5.28E+00	5.91E−06	4.12E−10	1.69E+00	1.20E−03
770	9.36E+01	4.67E+00	4.42E−06	2.83E−10	1.76E+00	9.35E−04
780	9.40E+01	4.14E+00	3.30E−06	1.95E−10	1.83E+00	7.30E−04
790	9.44E+01	3.66E+00	2.47E−06	1.34E−10	1.89E+00	5.69E−04
800	9.48E+01	3.24E+00	1.85E−06	9.21E−11	1.96E+00	4.44E−04

D—1; LAT—40; LON—45; LT—12; F—150; $F\Delta V$—150; A_p —3, UT1—9

80	5.43E−04	1.14E−03	2.08E+01	9.36E−01	1.44E−05	7.83E+01
90	6.08E−04	2.88E−01	2.03E+01	9.18E−01	9.14E−05	7.85E+01
100	9.55E−04	3.20E+00	1.81E+01	8.09E−01	1.41E−04	7.79E+01

Продолжение табл. 2

z, км	He/S, %	O/S, %	O_2 S, %	Ar S, %	H S, %	N_2 S, %
110	2.42E−03	9.52E+00	1.36E+01	5.77E−01	3.11E−04	7.63E+01
120	5.82E−03	1.71E+01	9.31E+00	3.83E−01	5.76E−04	7.32E+01
130	7.52E−03	2.29E+01	7.03E+00	2.81E−01	6.98E−04	6.98E+01
140	9.21E−03	2.73E+01	5.91E+00	2.18E−01	7.00E−04	6.66E+01
150	1.28E−02	3.10E+01	5.23E+00	1.75E−01	6.79E−04	6.36E+01
160	1.76E−02	3.44E+01	4.71E+00	1.43E−01	6.76E−04	6.07E+01
170	2.33E−02	3.76E+01	4.28E+00	1.19E−01	7.06E−04	5.79E+01
180	3.00E−02	4.07E+01	3.89E+00	9.86E−02	7.71E−04	5.53E+01
190	3.78E−02	4.37E+01	3.55E+00	8.25E−02	8.75E−04	5.26E+01
200	4.69E−02	4.67E+01	3.23E+00	6.91E−02	1.02E−03	5.00E+01
210	5.74E−02	4.96E+01	2.94E+00	5.80E−02	1.21E−03	4.74E+01
220	6.94E−02	5.24E+01	2.67E+00	4.87E−02	1.44E−03	4.48E+01
230	8.33E−02	5.52E+01	2.43E+00	4.09E−02	1.73E−03	4.23E+01
240	9.90E−02	5.79E+01	2.20E+00	3.44E−02	2.08E−03	3.98E+01
250	1.17E−01	6.05E+01	1.99E+00	2.88E−02	2.50E−03	3.73E+01
260	1.37E−01	6.31E+01	1.79E+00	2.41E−02	2.99E−03	3.49E+01
270	1.60E−01	6.56E+01	1.61E+00	2.02E−02	3.57E−03	3.26E+01
280	1.86E−01	6.80E+01	1.45E+00	1.69E−02	4.25E−03	3.04E+01
290	2.15E−01	7.02E+01	1.30E+00	1.41E−02	5.04E−03	2.82E+01
300	2.48E−01	7.24E+01	1.16E+00	1.17E−02	5.95E−03	2.62E+01
310	2.86E−01	7.43E+01	1.04E+00	9.79E−03	7.05E−03	2.44E+01
320	3.27E−01	7.62E+01	9.30E−01	8.12E−03	8.27E−03	2.25E+01
330	3.73E−01	7.81E+01	8.27E−01	6.73E−03	9.66E−03	2.07E+01
340	4.24E−01	7.98E+01	7.34E−01	5.57E−03	1.13E−02	1.91E+01
350	4.80E−01	8.13E+01	6.51E−01	4.60E−03	1.31E−02	1.75E+01
360	5.43E−01	8.28E+01	5.76E−01	3.80E−03	1.52E−02	1.60E+01
370	6.13E−01	8.42E+01	5.10E−01	3.14E−03	1.76E−02	1.47E+01
380	6.90E−01	8.54E+01	4.50E−01	2.59E−03	2.04E−02	1.34E+01
390	7.75E−01	8.65E+01	3.98E−01	2.13E−03	2.35E−02	1.23E+01
400	8.69E−01	8.75E+01	3.51E−01	1.76E−03	2.70E−02	1.12E+01
410	9.74E−01	8.85E+01	3.09E−01	1.44E−03	3.11E−02	1.02E+01
420	1.09E+00	8.93E+01	2.72E−01	1.19E−03	3.56E−02	9.31E+00
430	1.22E+00	9.00E+01	2.39E−01	9.77E−04	4.08E−02	8.48E+00
440	1.36E+00	9.07E+01	2.11E−01	8.03E−04	4.67E−02	7.72E+00
450	1.51E+00	9.12E+01	1.85E−01	6.60E−04	5.33E−02	7.02E+00
460	1.68E+00	9.17E+01	1.63E−01	5.42E−04	6.09E−02	6.37E+00
470	1.87E+00	9.21E+01	1.43E−01	4.45E−04	6.93E−02	5.79E+00
480	2.07E+00	9.25E+01	1.25E−01	3.65E−04	7.89E−02	5.26E+00
490	2.30E+00	9.27E+01	1.10E−01	3.00E−04	8.97E−02	4.77E+00
500	2.54E+00	9.29E+01	9.65E−02	2.46E−04	1.02E−01	4.32E+00
510	2.18E+00	9.31E+01	8.46E−02	2.02E−04	1.15E−01	3.92E+00
520	3.11E+00	9.31E+01	7.42E−02	1.66E−04	1.31E−01	3.55E+00
530	3.43E+00	9.31E+01	6.50E−02	1.36E−04	1.48E−01	3.22E+00
540	3.79E+00	9.31E+01	5.70E−02	1.11E−04	1.67E−01	2.91E+00
550	4.17E+00	9.30E+01	4.99E−02	9.14E−05	1.89E−01	2.64E+00
560	4.59E+00	9.28E+01	4.37E−02	7.50E−05	2.13E−01	2.39E+00
570	5.05E+00	9.25E+01	3.82E−02	6.15E−05	2.40E−01	2.16E+00
580	5.55E+00	9.22E+01	3.35E−02	5.04E−05	2.71E−01	1.95E+00
590	6.09E+00	9.18E+01	2.93E−02	4.13E−05	3.04E−01	1.76E+00
600	6.68E+00	9.14E+01	2.56E−02	3.39E−05	3.42E−01	1.59E+00

Продолжение табл. 2

z, км	He/S, %	O S, %	O_2 S, %	Ar'S, %	H S, %	N_2/S, %
610	7.31E+00	9.08E+01	2.24E—02	2.78E—05	3.84E 01	1.44E+00
620	8.00E+00	9.03E+01	1.95E—02	2.27E—05	4.30E—01	1.30E+00
630	8.74E+00	8.96E+01	1.71E—02	1.86E—05	4.81E—01	1.17E+00
640	9.54E+00	8.88E+01	1.49E 02	1.53E—05	5.38E—01	1.05E+00
650	1.04E+01	8.80E+01	1.30E—02	1.25E—05	6.01E 01	9.48E—01
660	1.13E+01	8.71E+01	1.13E 02	1.02E—05	6.70E— 01	8.53E—01
670	1.23E+01	8.62E+01	9.86E—03	8.35E—06	7.46E—01	7.67E 01
680	1.34E+01	8.51E+01	8.58E—03	6.82E—06	8.30E—01	6.89E—01
690	1.45E+01	8.39E+01	7.47E—03	5.57E—06	9.21E—01	6.18E 01
700	1.57E+01	8.27E+01	6.49E—03	4.55E 06	1.02E+00	5.54E—01
710	1.70E+01	8.14E+01	5.63E—03	3.71E—06	1.13E+00	4.97E—01
720	1.83E+01	8.00E+01	4.88E—03	3.02E 06	1.25E+00	4.44E—01
730	1.97E+01	7.85E+01	4.23E—03	2.46E—06	1.38E+00	3.97E—01
740	2.12E+01	7.69E+01	3.66E—03	2.00E 06	1.52E+00	3.55E—01
750	2.28E+01	7.52E+01	3.16E 03	1.62E—06	1.67E+00	3.16E—01
760	2.44E+01	7.35E+01	2.73E—03	1.32E—06	1.83E+00	2.81E—01
770	2.61E+01	7.16E+01	2.35E—03	1.07E 06	2.00E+00	2.50E—01
780	2.79E+01	6.97E+01	2.03E 03	8.64E 07	2.18E+00	2.22E—01
790	2.97E+01	6.77E+01	1.74E—03	6.99E—07	2.38E+00	1.97E—01
800	3.15E+01	6.57E+01	1.49E 03	5.64E 07	2.59E+00	1.74E—01

D—1; LAT 80; LON 45; LT—12; *F*—150; *FAV*—150; A_p—3; UT1—9

80	5.42E—04	9.62E—04	2.08E+01	9.66E—01	1.40E—05	7.82E+01
90	6.01E—04	2.37E—01	2.04E+01	9.68E—01	8.74E—05	7.84E+01
100	9.53E—04	2.59E+00	1.85E+01	8.79E—01	1.38E—04	7.80E+01
110	2.32E—03	7.46E+00	1.47E+01	6.73E—01	2.91E—04	7.71E+01
120	4.71E—03	1.30E+01	1.09E+01	4.90E—01	5.05E—04	7.56E+01
130	4.22E—03	1.73E+01	8.77E+00	3.90E—01	6.08E—04	7.36E+01
140	4.07E—03	2.04E+01	7.65E+00	3.26E—01	6.07E 04	7.16E+01
150	5.47E—03	2.29E+01	6.94E+00	2.79E 01	5.87E—04	6.98E+01
160	7.54E—03	2.52E+01	6.42E+00	2.40E—01	5.84E—04	6.81E+01
170	1.01E—02	2.74E+01	5.97E+00	2.07E 01	6.10E—04	6.64E+01
180	1.31E—02	2.95E+01	5.56E+00	1.79E—01	6.69E—04	6.47E+01
190	1.67E—02	3.16E+01	5.20E+00	1.55E—01	7.62E—04	6.30E+01
200	2.09E—02	3.37E+01	4.86E+00	1.35E 01	8.91E—04	6.13E+01
210	2.58E—02	3.58E+01	4.54E+00	1.17E—01	1.06E—03	5.95E+01
220	3.15E—02	3.80E+01	4.24E+00	1.02E—01	1.28E—03	5.76E+01
230	3.82E 02	4.02E+01	3.95E+00	8.82E—02	1.54E—03	5.57E+01
240	4.58E—02	4.23E+01	3.68E+00	7.65E—02	1.86E—03	5.37E+01
250	5.45E—02	4.48E+01	3.42E+00	6.65E—02	2.25E—03	5.17E+01
260	6.45E—02	4.71E+01	3.17E+00	5.76E—02	2.70E—03	4.96E+01
270	7.58E—02	4.95E+01	2.94E+00	4.98E 02	3.21E 03	4.75E+01
280	8.87E—02	5.18E+01	2.71E+00	4.31E—02	3.88E—03	4.53E+01
290	1.03E—01	5.42E+01	2.50E+00	3.72E—02	4.62E—03	4.32E+01
300	1.20E—01	5.65E+01	2.30E+00	3.20E—02	5.48E—03	4.11E+01

Продолжение табл. 2

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.40E—01	5.82E+01	2.14E+00	2.79E—02	6.56E—03	3.95E+01
320	1.61E—01	6.06E+01	1.96E+00	2.39E—02	7.71E—03	3.73E+01
330	1.84E—01	6.29E+01	1.79E+00	2.05E—02	9.02E—03	3.51E+01
340	2.10E—01	6.51E+01	1.63E+00	1.75E—02	1.05E—02	3.30E+01
350	2.38E—01	6.72E+01	1.48E+00	1.50E—02	1.23E—02	3.10E+01
360	2.70E—01	6.93E+01	1.35E+00	1.28E—02	1.42E—02	2.91E+01
370	3.05E—01	7.12E+01	1.22E+00	1.09E—02	1.65E—02	2.72E+01
380	3.44E—01	7.31E+01	1.10E+00	9.23E—03	1.90E—02	2.54E+01
390	3.87E—01	7.49E+01	9.98E—01	7.84E—03	2.19E—02	2.37E+01
400	4.35E—01	7.65E+01	9.01E—01	6.66E—03	2.52E—02	2.21E+01
410	4.87E—01	7.81E+01	8.13E—01	5.64E—03	2.89E—02	2.05E+01
420	5.45E—01	7.96E+01	7.32E—01	4.78E—03	3.30E—02	1.91E+01
430	6.08E—01	8.10E+01	6.59E—01	4.04E—03	3.77E—02	1.77E+01
440	6.77E—01	8.23E+01	5.92E—01	3.42E—03	4.30E—02	1.64E+01
450	7.53E—01	8.35E+01	5.32E—01	2.89E—03	4.89E—02	1.52E+01
460	8.36E—01	8.46E+01	4.77E—01	2.44E—03	5.55E—02	1.40E+01
470	9.26E—01	8.56E+01	4.27E—01	2.06E—03	6.30E—02	1.30E+01
480	1.03E+00	8.65E+01	3.83E—01	1.73E—03	7.13E—02	1.20E+01
490	1.13E+00	8.74E+01	3.43E—01	1.46E—03	8.07E—02	1.11E+01
500	1.25E+00	8.82E+01	3.07E—01	1.23E—03	9.11E—02	1.02E+01
510	1.38E+00	8.89E+01	2.74E—01	1.04E—03	1.03E—01	9.39E+00
520	1.52E+00	8.95E+01	2.45E—01	8.72E—04	1.16E—01	8.64E+00
530	1.67E+00	9.00E+01	2.19E—01	7.34E—04	1.30E—01	7.95E+00
540	1.84E+00	9.05E+01	1.95E—01	6.17E—04	1.46E—01	7.31E+00
550	2.02E+00	9.09E+01	1.74E—01	5.19E—04	1.64E—01	6.72E+00
560	2.21E+00	9.13E+01	1.55E—01	4.36E—04	1.84E—01	6.18E+00
570	2.43E+00	9.16E+01	1.39E—01	3.67E—04	2.06E—01	5.67E+00
580	2.66E+00	9.18E+01	1.24E—01	3.08E—04	2.31E—01	5.21E+00
590	2.91E+00	9.19E+01	1.10E—01	2.59E—04	2.58E—01	4.78E+00
600	3.17E+00	9.21E+01	9.81E—02	2.18E—04	2.88E—01	4.38E+00
610	3.47E+00	9.21E+01	8.74E—02	1.83E—04	3.22E—01	4.02E+00
620	3.78E+00	9.21E+01	7.78E—02	1.54E—04	3.59E—01	3.68E+00
630	4.12E+00	9.20E+01	6.92E—02	1.29E—04	4.00E—01	3.37E+00
640	4.49E+00	9.19E+01	6.16E—02	1.09E—04	4.45E—01	3.09E+00
650	4.88E+00	9.17E+01	5.48E—02	9.11E—05	4.94E—01	2.83E+00
660	5.31E+00	9.15E+01	4.87E—02	7.65E—05	5.49E—01	2.59E+00
670	5.77E+00	9.12E+01	4.33E—02	6.43E—05	6.09E—01	2.37E+00
680	6.26E+00	9.09E+01	3.85E—02	5.39E—05	6.75E—01	2.17E+00
690	6.78E+00	9.05E+01	3.42E—02	4.53E—05	7.48E—01	1.98E+00
700	7.35E+00	9.00E+01	3.04E—02	3.80E—05	8.28E—01	1.81E+00
710	7.95E+00	8.95E+01	2.70E—02	3.19E—05	9.15E—01	1.65E+00
720	8.60E+00	8.89E+01	2.39E—02	2.67E—05	1.01E+00	1.51E+00
730	9.28E+00	8.82E+01	2.12E—02	2.24E—05	1.11E+00	1.38E+00
740	1.00E+01	8.75E+01	1.88E—02	1.88E—05	1.23E+00	1.25E+00
750	1.08E+01	8.67E+01	1.67E—02	1.57E—05	1.35E+00	1.14E+00
760	1.16E+01	8.58E+01	1.48E—02	1.32E—05	1.49E+00	1.04E+00
770	1.25E+01	8.49E+01	1.31E—02	1.10E—05	1.63E+00	9.48E—01
780	1.34E+01	8.39E+01	1.16E—02	9.24E—06	1.79E+00	8.62E—01
790	1.44E+01	8.29E+01	1.02E—02	7.73E—06	1.96E+00	7.83E—01
800	1.54E+01	8.17E+01	9.03E—03	6.46E—06	2.14E+00	7.11E—01

Таблица 3

Широтные вариации состава при высокой солнечной активности для зимнего периода в северном и летнего периода в южном полушариях

z, км	He,S, %	O S, %	O, S, %	Ar S, %	H S, %	N_2/S, %
D—1; LAT- 0; LON -45; LT - 12; *F* -200; *FAV*—200; A_p —3; UT1—9						
80	5.54E—04	1.27E—03	2 07E+01	9.04E—01	1.43E- 05	7.83E+01
90	6.16E- -04	3.23E- 01	2.02E+01	8.71E—01	8.69E—05	7.86E+ 01
100	9 56E—04	3 63E+00	1.78E+01	7 46E—01	1.25E—04	7.79E+01
110	2.46E—03	1.12E+01	1.27E+01	4.92E—01	2.73E—04	7.56E+01
120	4.88E—03	1.91E+01	8.40E+00	3 27E—01	3.71E—04	7.22E+01
130	7.81E—03	2 47E+01	6.25E+00	2.40E—01	3.62E- 04	6.88E+01
140	1.22E—02	2.93E+01	5.20E+00	1.80E—01	3.38E—04	6 53E+01
150	1.81E—02	3.35E+01	4.54E+00	1.39E—01	3.25E—04	6.18E+01
160	2.53E —02	3 75E+01	4 03E+00	1.09E 01	3.29E —04	5.83E+01
170	3.41E—02	4.13E+01	3.60E+00	8.68E—02	3.51E—04	5.50E+01
180	4.43E 02	4.49E+01	3.23E+00	7.02E—02	3 91E—04	5.18E+01
190	5.66E—02	4.84E+01	2.90E+00	5.71E -02	4.52E- 04	4 86E+01
200	7.05E—02	5.17E+01	2.60E+00	4.69E—02	5.32E—04	4.56E+01
210	8.60E- -02	5.49E+01	2.34E+00	3.88E 02	6.32E— 04	4.27E+ 01
220	1.04E—01	5.78E+01	2 10E+00	3 21E—02	7.54E—04	3 99E+01
230	1.24E- 01	6.07E+01	1.89E+00	2.67E—02	9.01E- 04	3.73E +01
240	1.46E—01	6.34E+01	1 70E+00	2.23E—02	1 07E—03	3.48E+01
250	1.71E—01	6.59E+01	1.52E+00	1 86E—02	1.28E -03	3.24E+01
260	1.98E—01	6.83E+01	1.37E+00	1.55E -02	1 51E—03	3.01E+01
270	2.28E—01	7.05E+01	1.22E+00	1.30E—02	1.78E- -03	2 80E+01
280	2.62E—01	7.27E+01	1.10E+00	1.08E -02	2 09E- 03	2.60E+01
290	2.99E—01	7.47E+01	9.82E—01	9.04E—03	2.45E—03	2.41E+01
300	3 40E -01	7 65E +01	8 78E- 01	7.55E 03	2.85E—03	2.23E+01
310	3.86E—01	7.83E+01	7.85E—01	6.30E—03	3.31E—03	2.06E+01
320	4 36E—01	7.99E +01	7.00E—01	5 26E—03	3.84E—03	1 90E+01
330	4.91E—01	8.14E+01	6 24E- 01	4.39E—03	4.43E—03	1.75E+01
340	5.52E—01	8.28E+01	5.56E—01	3 65E—03	5.11E -03	1 61E+01
350	6.20E—01	8 41E+01	4 94E- -01	3.04E—03	5.88E—03	1.48E+01
360	6.94E—01	8.53E+01	4.39E—01	2 53E—03	6.75E—03	1.36E+01
370	7.77E—01	8.63E+01	3 90E—01	2.10E—03	7.73E—03	1.25E+01
380	8.67E- -01	8.73E+ 01	3.46E 01	1 75E 03	8.85E—03	1.14E+01
390	9.66E—01	8.82E+01	3.07E—01	1.45E—03	1.01E—02	1.05E+01
400	1 11E+00	8.92E +01	2.66E -01	1 17E—03	1 19E—02	9 45E+00
410	1.23E+00	8.99E+ 01	2.36E—01	9 70E 04	1.36E 02	8.65E+00
420	1.37E+00	9.05E+01	2.09E- 01	8.05E—04	1 54E- 02	7.90E+ 00
430	1.51E+00	9 11E+01	1.85E—01	6.68E 04	1.75E —02	7.22E+00
440	1.68E+00	9.15E+01	1 63E- -01	5.54E—04	1 99E—02	6 59E+00
450	1 85E+00	9 20E+01	1.44E—01	4.59E 04	2.25E 02	6.02E+00
460	2.05E+00	9 23E+01	1.28E—01	3.80E—04	2 55E—02	5.49E+00
470	2.26E+00	9 26E +01	1,13E—01	3 15E 04	2.88E -02	5.00E+00
480	2.49E+00	9.28E+01	9.95E—02	2.61E—04	3.25E—02	4.56E+00
490	2.74E+00	9.30E+01	8.78E—02	2.17E—04	3.66E—02	4.15E+00
500	3.02E+00	9.31E+01	7.75E 02	1.79E—04	4.13E—02	3.78E+00

Продолжение табл. 3

z, км	He/S, %	O/S, %	O$_2$/S, %	N$_2$/S, %	H/S, %	A/S, %
510	3.32E+00	9.31E+01	6.84E−02	1.49E−04	4.65E−02	3.45E+00
520	3.65E+00	9.31E+01	6.03E−02	1.23E−04	5.22E−02	3.14E+00
530	4.00E+00	9.30E+01	5.32E−02	1.02E−04	5.87E−02	2.85E+00
540	4.39E+00	9.29E+01	4.69E−02	8.45E−05	6.59E−02	2.59E+00
550	4.80E+00	9.27E+01	4.13E−02	7.00E−05	7.39E−02	2.36E+00
560	5.26E+00	9.25E+01	3.64E−02	5.80E−05	8.27E−02	2.11E+00
570	5.75E+00	9.22E+01	3.21E−02	4.80E−05	9.26E−02	1.95E+00
580	6.28E+00	9.18E+01	2.83E−02	3.98E−05	1.04E−01	1.77E+00
590	6.86E+00	9.14E+01	2.49E−02	3.29E−05	1.16E−01	1.61E+00
600	7.48E+00	9.09E+01	2.19E−02	2.73E−05	1.29E−01	1.46E+00
610	8.14E+00	9.04E+01	1.93E−02	2.26E−05	1.44E−01	1.32E+00
620	8.86E+00	8.98E+01	1.69E−02	1.87E−05	1.60E−01	1.20E+00
630	9.63E+00	8.91E+01	1.49E−02	1.55E−05	1.78E−01	1.09E+00
640	1.05E+01	8.83E+01	1.31E−02	1.28E−05	1.98E−01	9.84E−01
650	1.13E+01	8.75E+01	1.15E−02	1.06E−05	2.19E−01	8.90E−01
660	1.23E+01	8.66E+01	1.01E−02	8.73E−06	2.43E−01	8.05E−01
670	1.33E+01	8.57E+01	8.84E−03	7.21E−06	2.69E−01	7.28E−01
680	1.44E+01	8.47E+01	7.75E−03	5.95E−06	2.97E−01	6.57E−01
690	1.55E+01	8.36E+01	6.79E−03	4.91E−06	3.28E−01	5.93E−01
700	1.67E+01	8.24E+01	5.94E−03	4.05E−06	3.62E−01	5.35E−01
710	1.80E+01	8.11E+01	5.20E−03	3.34E−06	3.98E−01	4.82E−01
720	1.93E+01	7.98E+01	4.54E−03	2.75E−06	4.37E−01	4.34E−01
730	2.08E+01	7.84E+01	3.97E−03	2.26E−06	4.80E−01	3.90E−01
740	2.22E+01	7.69E+01	3.46E−03	1.86E−06	5.26E−01	3.50E−01
750	2.38E+01	7.53E+01	3.01E−03	1.53E−06	5.75E−01	3.14E−01
760	2.54E+01	7.37E+01	2.62E−03	1.26E−06	6.27E−01	2.82E−01
770	2.71E+01	7.20E+01	2.28E−03	1.03E−06	6.84E−01	2.52E−01
780	2.88E+01	7.02E+01	1.98E−03	8.43E−07	7.44E−01	2.25E−01
790	3.06E+01	6.84E+01	1.72E−03	6.90E−07	8.07E−01	2.01E−01
800	3.25E+01	6.65E+01	1.49E−03	5.64E−07	8.75E−01	1.79E−01

D—1; LAT—40, LON—45, LT—12; *F*—200, *FΔV*—200, A_p—3; UT1—9

80	5.41E−04	1.40E−03	2.08E+01	8.77E−01	1.45E−05	7.84E+01
90	6.07E−04	3.65E−01	2.01E+01	8.25E−01	9.19E−05	7.87E+01
100	9.56E−04	4.16E+00	1.75E+01	6.77E−01	1.44E−04	7.76E+01
110	2.24E−03	1.24E+01	1.24E+01	4.39E−01	2.88E−04	7.48E+01
120	4.51E−03	2.04E+01	8.10E+00	2.91E−01	3.60E−04	7.12E+01
130	1.10E−02	2.67E+01	5.85E+00	1.98E−01	3.75E−04	6.72E+01
140	2.22E−02	3.19E+01	4.79E+00	1.40E−01	3.59E−04	6.32E+01
150	3.40E−02	3.67E+01	4.12E+00	1.02E−01	3.54E−04	5.91E+01
160	4.80E−02	4.14E+01	3.58E+00	7.62E−02	3.70E−04	5.49E+01
170	6.54E−02	4.61E+01	3.12E+00	5.77E−02	4.09E−04	5.07E+01
180	8.67E−02	5.05E+01	2.72E+00	4.43E−02	4.73E−04	4.66E+01
190	1.13E−01	5.48E+01	2.36E+00	3.43E−02	5.65E−04	4.27E+01
200	1.43E−01	5.87E+01	2.06E+00	2.69E−02	6.83E−04	3.91E+01

Продолжение табл. 3

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S %	H/S, %	N_2/S, %
210	1.77E−01	6.24E+01	1.79E+00	2.12E−02	8.32E−04	3.56E+01
220	2.16E−01	6.57E+01	1.56E+00	1.68E−02	1.01E−03	3.25E+01
230	2.60E−01	6.88E+01	1.36E+00	1.34E−02	1.23E−03	2.96E+01
240	3.09E−01	7.16E+01	1.18E+00	1.07E 02	1.49E−03	2.69E+01
250	3.64E−01	7.41E+01	1.03E+00	8.63E− 03	1.79E−03	2.45E+01
260	4.25E−01	7.64E+01	9.04E−01	6.95E−03	2.14E−03	2.23E+01
270	4.92E−01	7.84E+01	7.90E−01	5.62E−03	2.54E 03	2.03E+01
280	5.66E−01	8.03E+01	6.91E−01	4.55E−03	2.99E−03	1.84E+01
290	6.47E−01	8.20E+01	6.05E−01	3.69E− 03	3.52E−03	1.68E+01
300	7.36E−01	8.35E+01	5.30E−01	3.00E−03	4.11E−03	1.52E+01
310	8.29E−01	8.50E+01	4.60E−01	2.42E−03	4.75E−03	1.37E+01
320	9.39E−01	8.62E+01	4.03E−01	1.97E−03	5.53E−03	1.25E+01
330	1.06E+00	8.73E−01	3.53E−01	1.61E−03	6.42E−03	1.13E+01
340	1.20E+00	8.82E+01	3.09E−01	1.31E−03	7.44E−03	1.03E+01
350	1.35E+00	8.91E+01	2.70E−01	1.06E 03	8.60E−03	9.30E+00
360	1.51E+00	8.98E+01	2.35E−01	8.62E−04	9.94E−03	8.42E+00
370	1.70E+00	9.05E+01	2.05E−01	7.00E−04	1.15E 02	7.61E+00
380	1.90E+00	9.10E+01	1.79E−01	5.69E−04	1.32E−02	6.88E+00
390	2.13E+00	9.15E+01	1.56E−01	4.62E−04	1.51E−02	6.22E+00
400	2.37E+00	9.19E+01	1.37E−01	3.77E−04	1.73E−02	5.63E+00
410	2.64E+00	9.21E+01	1.19E−01	3.06E−04	1.98E−02	5.08E+00
420	2.91E+00	9.24E+01	1.04E−01	2.48E 04	2.26E−02	4.58E+00
430	3.27E+00	9.25E+01	9.01E−02	2.01E−04	2.58E−02	4.13E+00
440	3.64E+00	9.25E+01	7.84E−02	1.63E 04	2.95E−02	3.72E+00
450	4.04E+00	9.25E+01	6.81E 02	1.32E−04	3.36E−02	3.35E+00
460	4.48E+00	9.24E+01	5.92E−02	1.07E−04	3.83E 02	3.01E+00
470	4.96E+00	9.22E+01	5.15E 02	8.70E−05	4.35E−02	2.71E+00
480	5.49E+00	9.20E+01	4.47E 02	7.05E 05	4.94E−02	2.44E+00
490	6.06E+00	9.17E+01	3.88E−02	5.71E−05	5.60E−02	2.19E+00
500	6.69E+00	9.12E+01	3.37E 02	4.63E 05	6.34E−02	1.97E+00
510	7.38E+00	9.08E+01	2.92E 02	3.75E−05	7.17E−02	1.76E+00
520	8.12E+00	9.02E+01	2.53E−02	3.03E−05	8.10E−02	1.58E+00
530	8.93E+00	8.95E+01	2.19E−02	2.45E−05	9.14E−02	1.42E+00
540	9.81E+00	8.88E+01	1.90E−02	1.99E−05	1.03E−01	1.27E+00
550	1.08E+01	8.80E+01	1.64E−02	1.61E−05	1.16E−01	1.14E+00
560	1.18E+01	8.71E+01	1.42E−02	1.30E−05	1.30E−01	1.02E+00
570	1.29E+01	8.61E+01	1.23E−02	1.05E−05	1.46E 01	9.08E−01
580	1.41E+01	8.50E+01	1.06E 02	8.46E−06	1.63E−01	8.11E−01
590	1.53E+01	8.38E+01	9.13E−03	6.82E−06	1.83E−01	7.23E−01
600	1.67E+01	8.25E+01	7.87E 03	5.50E 06	2.04E 01	6.44E−01
610	1.81E+01	8.11E+01	6.77E 03	4.43E−06	2.27E−01	5.73E−01
620	1.97E+01	7.96E+01	5.82E−03	3.56E−06	2.52E−01	5.09E−01
630	2.13E+01	7.80E+01	5.00E 03	2.86E−06	2.80E 01	4.52E−01
640	2.30E+01	7.63E+01	4.29E 03	2.30E 06	3.10E−01	4.01E 01
650	2.48E+01	7.45E+01	3.67E−03	1.84E−06	3.42E 01	3.54E−01
660	2.66E+01	7.27E+01	3.14E−03	1.48E−06	3.77E 01	3.13E 01
670	2.86E+01	7.07E+01	2.68E 03	1.18E−06	4.15E−01	2.76E−01
680	3.06E+01	6.87E+01	2.28E−03	9.42E 07	4.56E−01	2.43E−01
690	3.27E+01	6.66E+01	1.94E 03	7.51E−07	4.99E−01	2.14E−01
700	3.49E+01	6.44E+01	1.65E−03	5.98E−07	5.45E−01	1.88E−01

Продолжение табл. 3

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N/S, %
710	3.71E+01	6.21E+01	1.40E−03	1.75E−07	5.94E−01	1.64E−01
720	3.94E+01	5.98E+01	1.19E−03	3.77E−07	6.45E−01	1.44E−01
730	4.17E+01	5.75E+01	1.00E−03	2.99E−07	7.00E−01	1.25E−01
740	4.40E+01	5.51E+01	8.45E−04	2.37E−07	7.57E−01	1.09E−01
750	4.63E+01	5.28E+01	7.11E−04	1.87E−07	8.16E−01	9.50E−02
760	4.87E+01	5.04E+01	5.98E−04	1.47E−07	8.78E−01	8.24E−02
770	5.10E+01	4.80E+01	5.01E−04	1.16E−07	9.42E−01	7.14E−02
780	5.33E+01	4.56E+01	4.20E−04	9.11E−08	1.01E+00	6.17E−02
790	5.56E+01	4.33E+01	3.51E−04	7.15E−08	1.08E+00	5.32E−02
800	5.79E+01	4.10E+01	2.93E−04	5.60E−08	1.15E+00	4.58E−02

D—1; LAT —80; LON—45; LT—12; *F*—200; *FAV*—200; A_p – 3; UTI—9

80	5.37E−04	1.45E−03	2.08E+01	9.02E−01	1.38E−05	7.83E+01
90	5.90E−04	3.78E−01	2.03E+01	8.64E−01	8.52E−05	7.85E+01
100	9.52E−04	4.35E+00	1.78E+01	7.19E−01	1.45E−04	7.71E+01
110	2.38E−03	1.27E+01	1.31E+01	4.92E−01	2.96E−04	7.38E+01
120	6.72E−03	2.18E+01	8.76E+00	3.16E−01	4.47E−04	6.91E+01
130	2.40E−02	2.91E+01	6.41E+00	2.15E−01	5.00E−04	6.42E+01
140	5.81E−02	3.50E+01	5.22E+00	1.54E−01	4.79E−04	5.95E+01
150	9.03E−02	4.02E+01	4.45E+00	1.14E−01	4.49E−04	5.51E+01
160	1.24E−01	4.51E+01	3.86E+00	8.63E−02	4.37E−04	5.08E+01
170	1.61E−01	4.96E+01	3.36E+00	6.66E−02	4.47E−04	4.68E+01
180	2.05E−01	5.39E+01	2.93E+00	5.19E−02	4.81E−04	4.29E+01
190	2.55E−01	5.80E+01	2.55E+00	4.07E−02	5.40E−04	3.92E+01
200	3.13E−01	6.18E+01	2.21E+00	3.20E−02	6.23E−04	3.57E+01
210	3.79E−01	6.53E+01	1.92E+00	2.52E−02	7.32E−04	3.24E+01
220	4.55E−01	6.86E+01	1.66E+00	1.98E−02	8.71E−04	2.93E+01
230	5.41E−01	7.16E+01	1.43E+00	1.56E−02	1.04E−03	2.64E+01
240	6.40E−01	7.43E+01	1.23E+00	1.23E−02	1.25E−03	2.38E+01
250	7.52E−01	7.68E+01	1.06E+00	9.65E−03	1.50E−03	2.14E+01
260	8.80E−01	7.90E+01	9.06E−01	7.58E−03	1.80E−03	1.92E+01
270	1.03E+00	8.10E+01	7.76E−01	5.95E−03	2.16E−03	1.71E+01
280	1.19E+00	8.28E+01	6.63E−01	4.66E−03	2.58E−03	1.53E+01
290	1.38E+00	8.44E+01	5.66E−01	3.65E−03	3.08E−03	1.37E+01
300	1.59E+00	8.58E+01	4.83E−01	2.85E−03	3.66E−03	1.22E+01
310	1.81E+00	8.71E+01	4.07E−01	2.21E−03	4.30E−03	1.07E+01
320	2.08E+00	8.81E+01	3.47E−01	1.73E−03	5.10E−03	9.51E+00
330	2.39E+00	8.89E+01	2.95E−01	1.35E−03	6.01E−03	8.45E+00
340	2.73E+00	8.95E+01	2.51E−01	1.05E−03	7.13E−03	7.49E+00
350	3.12E+00	9.00E+01	2.13E−01	8.22E−04	8.41E−03	6.64E+00
360	3.56E+00	9.04E+01	1.81E−01	6.41E−04	9.89E−03	5.87E+00
370	4.05E+00	9.06E+01	1.53E−01	5.00E−04	1.16E−02	5.19E+00
380	4.59E+00	9.07E+01	1.30E−01	3.89E−04	1.36E−02	4.58E+00
390	5.20E+00	9.06E+01	1.10E−01	3.03E−04	1.59E−02	4.04E+00
400	5.88E+00	9.05E+01	9.26E−02	2.35E−04	1.85E−02	3.56E+00

Продолжение табл. 3

z, км	He/S, %	O S, %	O₂/S, %	Ar/S, %	H/S, %	N₂/S, %
410	6.64E+00	9.01E+01	7.82E 02	1.83E—04	2.16E—02	3.13E+00
420	7.48E+00	8.97E+01	6.59E—02	1.42E—04	2.51E- 02	2.75E+00
430	8.41E+00	8.91E+01	5.55E 02	1.10E—04	2.91E- 02	2.41E+00
440	9.43E+00	8.84E+01	4.67E—02	8.53E—05	3.36E—02	2.12E+00
450	1.06E+01	8.75E+01	3.93E—02	6.60E—05	3.89E—02	1.85E+00
460	1.18E+01	8.65E+01	3.30E—02	5.11E—05	4.48E - 02	1.62E+00
470	1.32E+01	8.53E+01	2.76E 02	3.95E—05	5.15E—02	1.42E+00
480	1.46E+01	8.40E+01	2.31E—02	3.05E—05	5.90E- 02	1.23E+00
490	1.62E+01	8.26E+01	1.93E—02	2.35E- 05	6.75E—02	1.07E+00
500	1.80E+01	8.10E+01	1.61E—02	1.81E—05	7.71E—02	9.33E—01
510	1.99E+01	7.92E+01	1.34E—02	1.39E -05	8.77E- 02	8.09E—01
520	2.19E+01	7.73E+01	1.12E—02	1.06E—05	9.95E—02	7.00E—01
530	2.40E+01	7.53E+01	9.26E—03	8.15E - 06	1.13E 01	6.01E—01
540	2.63E+01	7.31E+01	7.66E- 03	6.22E—06	1.27E—01	5.20E—01
550	2.87E+01	7.08E+01	6.33E—03	4.75E—06	1.43E—01	4.47E -01
560	3.12E+01	6.83E+01	5.21E 03	3.61E - 06	1.60E—01	3.83E—01
570	3.38E+01	6.57E+01	4.28E—03	2.74E—06	1.78E—01	3.27E—01
580	3.65E+01	6.31E+01	3.51E -03	2.07E 06	1.98E- 01	2.79E -01
590	3.92E+01	6.03E+01	2.86E—03	1.57E—06	2.20E—01	2.37E -01
600	4.21E+01	5.75E+01	2.33E—03	1.18E—06	2.43E—01	2.01E—01
610	4.50F+01	5.46E+01	1.90E—03	8.86E- 07	2.67E—01	1.70E- 01
620	4.79E+01	5.17E+01	1.54E- 03	6.64E -07	2.93E—01	1.43E—01
630	5.08E+01	4.88E+01	1.24E—03	4.96E—07	3.20E—01	1.20E 01
640	5.36E+01	4.59E+01	9.99E—04	3.70E 07	3.48E—01	1.00E—01
650	5.65E+01	4.31E+01	8.03E—04	2.75E -07	3.77E -01	8.39E 02
660	5.93E+01	4.02E+01	6.43E—04	2.04E- 07	4.08E—01	6.99E- 02
670	6.20E+01	3.75E+01	5.14E- 04	1.51E—07	4.39E—01	5.80E—02
680	6.46E+01	3.48E+01	4.10E- 04	1.11E—07	4.71E—01	4.80E—02
690	6.72E+01	3.23E+01	3.26E -04	8.20E 08	5.03E—01	3.97E—02
700	6.96E+01	2.98E+01	2.58E—04	6.03E—08	5.37E—01	3.27E -02
710	7.19E+01	2.75E+01	2.05E 04	4.43E- 08	5.71E—01	2.69E—02
720	7.41E+01	2.53E+01	1.62E—04	3.24E—08	6.05E—01	2.21E—02
730	7.61E+01	2.32F+01	1.27E 04	2.37E -08	6.39E—01	1.81E—02
740	7.81E+01	2.12E+01	1.00E -04	1.73E—08	6.74E—01	1.48E—02
750	7.99E+01	1.94E+01	7.89E—05	1.26E—08	7.10E 01	1.21E—02
760	8.15E+01	1.77E+01	6.20E 05	9.20E 09	7.45E- 01	9.84E—03
770	8.31E+01	1.61E+01	4.86E—05	6.69E—09	7.81E—01	8.01E - 03
780	8.45E+01	1.47F+01	3.81E—05	4.87E—09	8.17E—01	6.52E —03
790	8.58E+01	1.33E+01	2.98E—05	3.54E—09	8.53E- 01	5.29E—03
800	8.70E+01	1.21E+01	2.33E—05	2.57E—09	8.89E- 01	4.30E—03

D- 1; LAT 80, LON- 45, LT—12; *F*—200, *FAV*—200; A_p —3; UTI - 9

80	5.43E—04	1.20E—03	2.08E+01	9.34E- 01	1.32E—05	7.83E+01
90	6.09E 04	3.04E -01	2.02E+01	9.16E—01	7.98E—05	7.86E+01
100	9.55E—04	3.40E+00	1.79E+01	8.06E—01	1.17E—04	7.79E+01

Продолжение табл. 3

z, см	He S, %	O/S, %	O₂/S, %	Ar S, %	H/S, %	N, S, %
110	2,30E—03	1 02E+01	1.31E+01	5 71E—01	2.34E—04	7.61E+01
120	4.75E—03	1.81E+01	8,71E+00	3.81E—01	3.53E—04	7.28E+01
130	6.23E—03	2 33E+01	6.61E+00	2.97E—01	3.32E—04	6.98E+01
140	8.55E—03	2.74E+01	5.58E+00	2.37E—01	2.99E—04	6.68E+01
150	1.22E—02	3.10E+01	4.94E+00	1 92E—01	2.77E—04	6.38E+01
160	1 68E—02	3.45E+01	4.46E+00	1.57E—01	2 71E—04	6.09E+01
170	2.23E 02	3.77E+01	4.05E+00	1.30E—01	2.81E—04	5.81E+01
180	2.87E—02	4 08E+01	3.69E+00	1.09E—01	3.05E 04	5.54E+01
190	3.63E—02	4 39E+01	3 36E+00	9 13E—02	3 47C 04	5.27E+01
200	4 47E 02	4 68E+01	3 07E+00	7.71E 02	4.01E—04	5.01F+01
210	5 42E—02	4.96E+01	2.81E+00	6.53E—02	4.71E—04	4.75E+01
220	6.50E—02	5.23E+01	2.57E+00	5.55E—02	5.56E—04	4.51E+01
230	7.70E—02	5.49E+01	2.34E+00	4.72E—02	6.58L—04	4.27E+01
240	9.04E—02	5.74E+01	2 14E+00	4.02E—02	7.79L—04	4.03E+01
250	1.05E 01	5.98E+01	1 95E+00	3.44E—02	9.19E—04	3.81F+01
260	1 22E 01	6.22E+01	1.78E+00	2 93E—02	1.08E 03	3.59L+01
270	1.40E—01	6 44E+01	1 62F+00	2 50E—02	1.27E 03	3.38E+01
280	1 60E 01	6 66E+01	1 48E+00	2.14E 02	1.48E 03	3 18E+01
290	1.82E—01	6 86E+01	1 34E+00	1.82E 02	1.72L 03	2.98E+01
300	2.06E 01	7 06E+01	1.22E+00	1.56E—02	1.99E—03	2.79E—01
310	2.34E 01	7.24E+01	1.11E+00	1.33E 02	2.31E—03	2.62E—01
320	2.63E—01	7 12E+01	1 01E+00	1.13E—02	2.66F—03	2.45E+01
330	2.96E 01	7.59E+01	9.10E—01	9.63E 03	3.05E 03	2.29E+01
340	3.31E—01	7 75E+01	8 23E 01	8 19E—03	3.50E—03	2 13E—01
350	3 70E 01	7.91E+01	7 43E—01	6.96E 03	4.00E—03	1.98E+01
360	4.13E 01	8 05E+01	6.70E—01	5 96E 03	4.57E 03	1.84E+01
370	4.60E—01	8 18E+01	6 03E—01	5.01E—03	5.20E 03	1.71E+01
380	5.11E—01	8.31E+01	5.43E 01	4.24E—03	5.91E 03	1.59E+01
390	5.67E—01	8 42E+01	4 88E—01	3.59E—03	6.71E—03	1 47E+01
400	6 29E—01	8.53E+01	4.39E—01	3 04E—03	7.62E—03	1.36E+01
410	6 96E—01	8.63E+01	3.94E 01	2 57E—03	8.62E—03	1 26E+01
420	7.69E—01	8.72E+01	3.53E—01	2.17E 03	9.74E—03	1.16E+01
430	8 49E—01	8.81E+01	3.17E 01	1.81E—03	1.10E—02	1.08E+01
440	9.36E—01	8.88E+01	2.84E 01	1.55E—03	1.24E—02	9 93E+00
450	1.03E+00	8.95E+01	2.55E 01	1.31E—03	1.39E—02	9.17E+00
460	1.13E+00	9.02E+01	2.28E—01	1.11E 03	1.57E—02	8.45E+00
470	1 24E+00	9.07E+01	2.04E 01	9.37E—04	1.76E 02	7.79E+00
480	1.37E+00	9.12E+01	1.83E—01	7.91E—04	1.97E—02	7.18E+00
490	1.50E+00	9.17E+01	1.64E—01	6.68E 04	2.21E 02	6.62E+00
500	1 64E+00	9.21E+01	1.46E—01	5 61E—04	2 47E—02	6.09E+00
510	1.80E+00	9.24E+01	1.31E—01	4.76E 04	2 77E 02	5.61E+00
520	1.96E+00	9.27E+01	1.17E—01	4.02E—04	3.09E 02	5 16E+00
530	2.14E+00	9.30E+01	1 05E—01	3.39E 04	3 45E—02	4.75E+00
540	2 34E+00	9.32E+01	9 35E—02	2 86E 04	3.85E 02	4 37E+00
550	2 56E+00	9.33E+01	8 36E—02	2 42E 04	4 29E—02	4.01E+00
560	2 79E+00	9 34E+01	7.47E—02	2.04E—04	4.78E—02	3 69E+00
570	3.03E+00	9.35E+01	6.67E—02	1.72E 01	5.32E 02	3.39E+00
580	3 30E+00	9 35E+01	5.96E—02	1.45E—04	5.91E—02	3 12E+00
590	3.59E+00	9.34E+01	5 32E—02	1.23E 04	6.57E—02	2 86E+00
600	3 91E+00	9 33E+01	4.75E 02	1 04E—04	7 29E 02	2 63E+00

Продолжение табл. 1

z, км	He/S, %	O/S, %	O_2 S, %	Ar/S, %	H/S, %	N_2/S, %
610	4.24E+00	9.32E+01	4.24E—02	8.74E—05	8.09E—02	2.41E+00
620	4.61E+00	9.31E+01	3.79E—02	7.38E—05	8.97E—02	2.22E+00
630	5.00E+00	9.28E+01	3.38E—02	6.23E—05	9.93E—02	2.03E+00
640	5.41E+00	9.26E+01	3.02E—02	5.26E—05	1.10E—01	1.87E+00
650	5.86E+00	9.23E+01	2.69E—02	4.44E—05	1.22E—01	1.71E+00
660	6.35E+00	9.19E+01	2.40E—02	3.75E—05	1.34E—01	1.57E+00
670	6.86E+00	9.15E+01	2.14E—02	3.16E—05	1.48E—01	1.44E+00
680	7.42E+00	9.11E+01	1.91E—02	2.67E—05	1.64E—01	1.32E+00
690	8.01E+00	9.06E+01	1.70E—02	2.25E—05	1.80E—01	1.21E+00
700	8.64E+00	9.00E+01	1.52E—02	1.90E—05	1.98E—01	1.11E+00
710	9.31E+00	8.94E+01	1.35E—02	1.60E—05	2.18E—01	1.01E+00
720	1.00E+01	8.88E+01	1.20E—02	1.35E—05	2.40E—01	9.26E—01
730	1.08E+01	8.81E+01	1.07E—02	1.14E—05	2.64E—01	8.47E—01
740	1.16E+01	8.73E+01	9.53E—03	9.62E—06	2.89E—01	7.75E—01
750	1.25E+01	8.65E+01	8.47E—03	8.10E—06	3.17E—01	7.08E—01
760	1.34E+01	8.56E+01	7.53E—03	6.83E—06	3.47E—01	6.47E—01
770	1.43E+01	8.47E+01	6.70E—03	5.75E—06	3.79E—01	5.90E—01
780	1.53E+01	8.37E+01	5.95E—03	4.84E—06	4.14E—01	5.38E—01
790	1.64E+01	8.27E+01	5.28E—03	4.08E—06	4.52E—01	4.91E—01
800	1.75E+01	8.15E+01	4.68E—03	3.43E—06	4.93E—01	4.47E—01

D—1; LAT 80; LON—45; LT—12; *F*—200; *FΔV*—200; A_p—3; UT1—9

80	5.43E—04	1.00E—03	2.08E+01	9.64E—01	1.28E—05	7.82E+01
90	6.03E—04	2.48E—01	2.03E+01	9.66E—01	7.61E—03	7.85E+01
100	9.55E—04	2.73E+00	1.83E+01	8.76E—01	1.14E—04	7.81E+01
110	2.37E—03	7.91E+00	1.43E+01	6.68E—01	2.28E—04	7.72E+01
120	5.00E—03	1.38E+01	1.02E+01	4.86E—01	3.67E—04	7.55E+01
130	4.98E—03	1.82E+01	8.07E+00	3.89E—01	4.02E—04	7.34E+01
140	5.11E—03	2.13E+01	7.00E+00	3.28E—01	3.66E—04	7.14E+01
150	6.82E—03	2.38E+01	6.37E+00	2.83E—01	3.25E—01	6.95E+01
160	9.23E—03	2.60E—01	5.91E+00	2.47E—01	3.01E—04	6.78E—01
170	1.21E—02	2.81E+01	5.52E+00	2.16E—01	2.96E—04	6.62E+01
180	1.54E—02	3.01E+01	5.17E+00	1.89E—01	3.09E—04	6.46E+01
190	1.93E—02	3.20E+01	4.86E+00	1.66E—01	3.38E—04	6.30E+01
200	2.37E—02	3.39E+01	4.57E+00	1.46E—01	3.83E—04	6.13E+01
210	2.86E—02	3.59E+01	4.30E+00	1.28E—01	4.42E—04	5.97E+01
220	3.43E—02	3.79E+01	4.04E+00	1.13E—01	5.17E—04	5.80E+01
230	4.08E—02	3.99E+01	3.79E+00	9.94E—02	6.09E—04	5.62E+01
240	4.81E—02	4.19E—01	3.56E+00	8.77E—02	7.20E—04	5.44E+01
250	5.63E—02	4.39E+01	3.33E+00	7.74E—02	8.51E—04	5.26E+01
260	6.55E—02	4.60E+01	3.12E+00	6.81E—02	1.00E—03	5.07E+01
270	7.58E—02	4.81E+01	2.92E+00	6.00E—02	1.18E—03	4.89E+01
280	8.73E—02	5.02E+01	2.72E+00	5.27E—02	1.38E—03	4.70E+01
290	1.00E—01	5.23E+01	2.53E+00	4.63E—02	1.62E—03	4.51E+01
300	1.14E—01	5.43E+01	2.36E+00	4.07E—02	1.89E—03	4.31E+01

Продолжение табл. 3

λ, нм	He/S, %	O/S, %	O_3/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.32E—01	5.59E+01	2.21E+00	3.61E—02	2.22E—03	4.17E+01
320	1.49E—01	5.80E+01	2.05E+00	3.15E—02	2.56E—03	3.97E+01
330	1.68E—01	6.01E+01	1.90E+00	2.76E—02	2.95E—03	3.78E+01
340	1.89E—01	6.21E+01	1.75E+00	2.41E—02	3.39E—03	3.59E+01
350	2.13E—01	6.41E+01	1.61E+00	2.10E—02	3.89E—03	3.42E+01
360	2.38E—01	6.60E+01	1.49E+00	1.83E—02	4.45E—03	3.22E+01
370	2.66E—01	6.78E+01	1.37E+00	1.59E—02	5.08E—03	3.05E+01
380	2.97E—01	6.96E+01	1.26E+00	1.38E—02	5.78E—03	2.88E+01
390	3.31E—01	7.13E+01	1.15E+00	1.20E—02	6.57E—03	2.72E+01
400	3.67E—01	7.29E+01	1.06E+00	1.04E—02	7.45E—03	2.56E+01
410	4.07E—01	7.45E+01	9.69E—01	9.05E—03	8.43E—03	2.41E+01
420	4.51E—01	7.60E+01	8.87E—01	7.84E—03	9.52E—03	2.27E+01
430	4.98E—01	7.74E+01	8.10E—01	6.79E—03	1.07E—02	2.13E+01
440	5.49E—01	7.87E+01	7.40E—01	5.88E—03	1.21E—02	2.00E+01
450	6.05E—01	8.00E+01	6.75E—01	5.08E—03	1.36E—02	1.87E+01
460	6.65E—01	8.12E+01	6.16E—01	4.39E—03	1.52E—02	1.75E+01
470	7.31E—01	8.23E+01	5.61E—01	3.79E—03	1.71E—02	1.64E+01
480	8.02E—01	8.33E+01	5.11E—01	3.27E—03	1.91E—02	1.53E+01
490	8.78E—01	8.43E+01	4.65E—01	2.83E—03	2.14E—02	1.43E+01
500	9.61E—01	8.52E+01	4.23E—01	2.44E—03	2.38E—02	1.34E+01
510	1.05E+00	8.61E+01	3.84E—01	2.10E—03	2.66E—02	1.25E+01
520	1.15E+00	8.68E+01	3.49E—01	1.81E—03	2.96E—02	1.16E+01
530	1.25E+00	8.75E+01	3.17E—01	1.56E—03	3.29E—02	1.08E+01
540	1.36E+00	8.82E+01	2.87E—01	1.34E—03	3.66E—02	1.01E+01
550	1.48E+00	8.88E+01	2.61E—01	1.16E—03	4.06E—02	9.41E—00
560	1.61E+00	8.93E+01	2.37E—01	9.97E—04	4.50E—02	8.76E—00
570	1.75E+00	8.98E+01	2.14E—01	8.58E—04	4.99E—02	8.15E+00
580	1.90E+00	9.03E+01	1.94E—01	7.38E—04	5.53E—02	7.58E+00
590	2.07E+00	9.07E+01	1.76E—01	6.35E—04	6.11E—02	7.05E+00
600	2.24E+00	9.10E+01	1.59E—01	5.47E—04	6.75E—02	6.55E+00
610	2.43E+00	9.13E+01	1.44E—01	4.70E—04	7.46E—02	6.08E+00
620	2.63E+00	9.15E+01	1.31E—01	4.05E—04	8.23E—02	5.65E+00
630	2.84E+00	9.17E+01	1.18E—01	3.48E—04	9.07E—02	5.25E+00
640	3.07E+00	9.19E+01	1.07E—01	3.00E—04	9.99E—02	4.87E+00
650	3.31E+00	9.20E+01	9.69E—02	2.58E—04	1.10E—01	4.52E+00
660	3.58E+00	9.20E+01	8.77E—02	2.22E—04	1.21E—01	4.19E+00
670	3.86E+00	9.20E+01	7.93E—02	1.91E—04	1.33E—01	3.89E+00
680	4.16E+00	9.20E+01	7.17E—02	1.64E—04	1.46E—01	3.61E+00
690	4.48E+00	9.20E+01	6.48E—02	1.41E—04	1.60E—01	3.34E+00
700	4.82E+00	9.18E+01	5.86E—02	1.21E—04	1.76E—01	3.10E+00
710	5.19E+00	9.17E+01	5.30E—02	1.04E—04	1.93E—01	2.87E+00
720	5.58E+00	9.15E+01	4.79E—02	8.97E—05	2.11E—01	2.66E+00
730	5.99E+00	9.13E+01	4.33E—02	7.72E—05	2.31E—01	2.46E+00
740	6.43E+00	9.10E+01	3.91E—02	6.63E—05	2.52E—01	2.28E+00
750	6.90E+00	9.07E+01	3.53E—02	5.71E—05	2.76E—01	2.11E+00
760	7.39E+00	9.03E+01	3.19E—02	4.91E—05	3.01E—01	1.95E+00
770	7.92E+00	8.99E+01	2.88E—02	4.22E—05	3.29E—01	1.81E+00
780	8.48E+00	8.95E+01	2.60E—02	3.63E—05	3.58E—01	1.67E+00
790	9.07E+00	8.90E+01	2.34E—02	3.12E—05	3.90E—01	1.55E+00
800	9.70E+00	8.84E+01	2.11E—02	2.68E—05	4.25E—01	1.43E+00

Таблица 4

Широтные вариации состава при низкой солнечной активности для условий весеннего равноденствия в северном и осеннего в южном полушариях

z, км	He/S, $см^{-3}$	O/S, $см^{-3}$	O_2/S, $см^{-3}$	Ar/S, $см^{-3}$	H/S, $см^{-3}$	N_2, S, $см^{-3}$
	D—82; LAT 0; LON—45; LT 12; *F* 70; *FΔV*—70, A_p—3; UT1—9					
80	5.52E-04	1.20E—03	2.08E+01	9.01E—01	1.84E—05	7.83E+01
90	6.13E—04	3.04E-01	2.03E+01	8.62E-01	1.25E—04	7.85E+01
100	9.54E-04	3.38E+00	1.83E+01	7.33E—01	2.09E-04	7.76E+01
110	2.52E—03	1.03E+01	1.39E+01	4.81E-01	5.42E-04	7.53E+01
120	7.47E-03	1.87E+01	9.64E+00	2.92E—01	1.24E—03	7.14E+01
130	1.57E-02	2.53E+01	7.30E+00	1.95E—01	1.74E—03	6.71E+01
140	2.73E—02	3.09E+01	6.01E+00	1.37E-01	2.10E-03	6.29E+01
150	1.20E-02	3.60E+01	5.14E+00	9.92E—02	2.42E—03	5.87E+01
160	6.07E—02	4.09E+01	4.44E+00	7.34E—02	2.82E—03	5.45E+01
170	8.45E—02	4.56E+01	3.84E+00	5.51E-02	3.38E—03	5.04E+01
180	1.14E—01	5.03E+01	3.31E+00	4.16E—02	4.16E-03	4.63E+01
190	1.52E-01	5.48E+01	2.85E+00	3.14E—02	5.22E-03	4.22E+01
200	1.98E—01	5.91E+01	2.43E+00	2.38E-02	6.66E—03	3.83E+01
210	2.55E—01	6.32E+01	2.06E+00	1.79E—02	8.55E-03	3.45E+01
220	3.24E-01	6.71E+01	1.74E+00	1.35E-02	1.10E-02	3.09E+01
230	4.08E-01	7.07E+01	1.46E+00	1.01E—02	1.42E-02	2.75E+01
240	5.09E—01	7.40E+01	1.22E+00	7.51E—03	1.82E-02	2.43E+01
250	6.30E—01	7.70E+01	1.02E+00	5.58E—03	2.33E—02	2.14E+01
260	7.71E-01	7.96E+01	8.42E-01	4.12E-03	2.98E—02	1.87E+01
270	9.16E—01	8.20E+01	6.94E-01	3.04E-03	3.78E-02	1.63E+01
280	1.15E—00	8.41E+01	5.70E—01	2.23E—03	4.77E—02	1.42E+01
290	1.39E+00	8.58E+01	4.67E—01	1.63E-03	5.00E—02	1.23E+01
300	1.67E+00	8.73E+01	3.81E—01	1.19E-03	7.51E-02	1.06E+01
310	2.01E+00	8.85E+01	3.11E—01	8.72E—04	9.41E—02	9.12E+00
320	2.39E+00	8.94E+01	2.52E—01	6.33E—04	1.17E—01	7.81E+00
330	2.84E+00	9.01E+01	2.04E—01	4.59E—04	1.45E—01	6.68E+00
340	3.37E+00	9.06E+01	1.65E—01	3.33E—04	1.78E—01	5.70E+00
350	3.97E+00	9.08E+01	1.33E—01	2.40E-04	2.19E-01	4.85E+00
360	4.68E+00	9.08E+01	1.07E—01	1.74E—04	2.69E—01	4.12E+00
370	5.49E+00	9.06E+01	8.58E—02	1.25E—04	3.29E-01	3.49E+00
380	6.42E+00	9.01E+01	6.88E—02	9.00E—05	4.01E—01	2.96E+00
390	7.49E+00	8.95E+01	5.51E—02	6.47E-05	4.87E—01	2.50E+00
400	8.71E+00	8.86E+01	4.40E—02	4.64E—05	5.89E—01	2.10E+00
410	1.01E+01	8.74E+01	3.50E—02	3.32E—05	7.11E—01	1.77E+00
420	1.17E+01	8.60E+01	2.78E-02	2.37E—05	8.54E-01	1.48E+00
430	1.34E+01	8.43E+01	2.21E—02	1.69E-05	1.02E+00	1.24E+00
440	1.54E+01	8.24E+01	1.74E—02	1.20E—05	1.22E+00	1.03E+00
450	1.75E+01	8.02E+01	1.37E—02	8.50E-06	1.45E+00	8.57E-01
460	1.99E+01	7.77E+01	1.08E—02	6.01E—06	1.71E+00	7.09E—01
470	2.25E+01	7.49E+01	8.42E—03	4.23E—06	2.01E+00	5.84E-01
480	2.52E+01	7.19E+01	6.55E—03	2.96E-06	2.35E+00	4.79E—01
490	2.82E+01	6.87E+01	5.08E—03	2.07E—06	2.72E+00	3.91E—01
500	3.13E+01	6.52E+01	3.91E-03	1.44E—06	3.15E+00	3.18E-01

Продолжение табл. 4

z, км	He/S, %	O/S, %	O_2/S, %	N/S, %	H/S, %	N_2/S, %
510	3.45E+01	6.16E+01	3.00E-03	9.92E-07	3.61E+00	2.57E-01
520	3.79E+01	5.78E+01	2.29E-03	6.82E-07	4.11E+00	2.06E-01
530	4.13E+01	5.39E+01	1.74E-03	4.67E-07	4.66E-00	1.65E-01
540	4.46E+01	5.00E+01	1.31E-03	3.18E-07	5.24E+00	1.31E-01
550	4.80E+01	4.61E+01	9.83E-04	2.15E-07	5.85E+00	1.03E-01
560	5.12E+01	4.22E+01	7.33E-04	1.45E-07	6.50E+00	8.11E-02
570	5.44E+01	3.84E+01	5.44E-04	9.79E-08	7.16E+00	6.33E-02
580	5.74E+01	3.48E+01	4.02E-04	6.47E-08	7.85E+00	4.92E-02
590	6.01E+01	3.13E+01	2.95E-04	4.29E-08	8.55E+00	3.80E-02
600	6.27E+01	2.80E+01	2.16E-01	2.84E-08	9.26E+00	2.93E-02
610	6.50E+01	2.50E+01	1.57E-04	1.87E-08	9.97E+00	2.24E-02
620	6.71E+01	2.22E+01	1.14E-04	1.23E-08	1.07E+01	1.71E-02
630	6.90E+01	1.96E+01	8.25E-05	8.02E-09	1.14E+01	1.30E-02
640	7.06E+01	1.73E+01	5.95E-05	5.23E-09	1.21E+01	9.86E-03
650	7.20E+01	1.52E+01	4.28E-05	3.40E-09	1.28E+01	7.45E-03
660	7.32E+01	1.33E-01	3.07E-05	2.21E-09	1.35E+01	5.62E-03
670	7.42E+01	1.16E+01	2.20E-05	1.43E-09	1.42E+01	4.23E-03
680	7.50E+01	1.01E+01	1.57E-05	9.28E-10	1.49E+01	3.18E-03
690	7.56E+01	8.78E+00	1.12E-05	6.00E-10	1.56E+01	2.38E-03
700	7.61E+01	7.62E+00	7.99E-06	3.88E-10	1.63E+01	1.78E-03
710	7.64E+01	6.60E+00	5.69E-06	2.50E-10	1.70E+01	1.33E-03
720	7.66E+01	5.72E+00	4.05E-06	1.62E-10	1.77E+01	9.98E-04
730	7.67E+01	4.95E+00	2.88E-06	1.04E-10	1.84E+01	7.45E-04
740	7.67E+01	4.27E+00	2.05E-06	6.73E-11	1.90E+01	5.57E-04
750	7.66E+01	3.69E+00	1.46E-06	4.34E-11	1.97E+01	4.15E-04
760	7.64E+01	3.18E+00	1.04E-06	2.80E-11	2.04E+01	3.10E-04
770	7.62E+01	2.75E+00	7.37E-07	1.81E-11	2.11E+01	2.31E-04
780	7.58E-01	2.37E+00	5.24E-07	1.17E-11	2.18E+01	1.73E-04
790	7.55E+01	2.04E+00	3.73E-07	7.55E-12	2.25E+01	1.29E-04
800	7.51E+01	1.76E+00	2.65E-07	1.88E-12	2.32E+01	9.61E-05

D—82; LAT—40; LON—45; LT -12; *F*—70; *FAV*—70; A_p—3, UT1—9

80	5.40E-04	1.22E-03	2.08E+01	8.88E-01	1.79E-05	7.83E+01
90	6.05E-04	3.10E-01	2.03E+01	8.40E-01	1.26E-04	7.86E+01
100	9.57E-04	3.48E+00	1.81E+01	6.98E-01	2.25E-04	7.78E+01
110	2.41E-03	1.03E+01	1.35E+01	4.66E-01	5.56E-04	7.57E+01
120	6.55E-03	1.83E+01	9.21E+00	2.85E-01	1.15E-03	7.22E+01
130	1.54E-02	2.50E+01	6.79E+00	1.84E-01	1.67E-03	6.80E+01
140	2.89E-02	3.08E+01	5.53E+00	1.25E-01	2.07E-03	6.35E+01
150	4.54E-02	3.60E+01	4.69E+00	8.83E-02	2.45E-03	5.92E+01
160	6.61E-02	4.10E+01	4.04E+00	6.42E-02	2.90E-03	5.48E+01
170	9.24E-02	4.58E+01	3.48E+00	4.75E-02	3.51E-03	5.05E+01
180	1.25E-01	5.05E+01	2.99E+00	3.55E-02	4.35E-03	4.63E+01
190	1.67E-01	5.51E+01	2.57E+00	2.67E-02	5.18E-03	4.22E+01
200	2.17E-01	5.94E+01	2.19E+00	2.01E-02	7.00E-03	3.81E+01

Продолжение табл. 4

z, км	H/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	2.79E—01	6.35E+01	1.86E+00	1.51E—02	8.99E—03	3.43E+01
220	3.54E—01	6.74E+01	1.57E+00	1.14E—02	1.16E—02	3.07E+01
230	4.45E—01	7.10E+01	1.31E+00	8.51E—03	1.49E—02	2.73E+01
240	5.54E—01	7.42E+01	1.10E+00	6.34E—03	1.91E—02	2.41E+01
250	6.84E—01	7.72E+01	9.13E—01	4.71E—03	2.44E—02	2.12E+01
260	8.39E—01	7.98E+01	7.56E—01	3.49E—03	3.10E—02	1.86E+01
270	1.02E+00	8.21E+01	6.24E—01	2.58E—03	3.92E—02	1.62E+01
280	1.24E+00	8.41E+01	5.13E—01	1.90E—03	4.94E—02	1.41E+01
290	1.49E+00	8.58E+01	4.20E—01	1.39E—03	6.19E—02	1.22E+01
300	1.79E+00	8.73E+01	3.43E—01	1.02E—03	7.73E—02	1.05E+01
310	2.14E+00	8.84E+01	2.80E—01	7.46E—04	9.64E—02	9.07E+00
320	2.55E+00	8.93E+01	2.28E—01	5.44E—04	1.19E—01	7.78E+00
330	3.02E+00	9.00E+01	1.85E—01	3.95E—04	1.47E—01	6.66E+00
340	3.57E+00	9.04E+01	1.49E—01	2.87E—04	1.81E—01	5.69E+00
350	4.21E+00	9.06E+01	1.21E—01	2.08E—04	2.22E—01	4.85E+00
360	4.94E+00	9.06E+01	9.74E—02	1.51E—04	2.72E—01	4.13E+00
370	5.79E+00	9.03E+01	7.84E—02	1.09E—04	3.32E—01	3.50E+00
380	6.75E+00	8.98E+01	6.30E—02	7.88E—05	4.03E—01	2.97E+00
390	7.86E+00	8.91E+01	5.05E—02	5.68E—05	4.88E—01	2.51E+00
400	9.12E+00	8.81E+01	4.01E—02	4.09E—05	5.89E—01	2.12E+00
410	1.05E+01	8.69E+01	3.22E—02	2.93E—05	7.08E—01	1.78E+00
420	1.21E+01	8.55E+01	2.57E—02	2.10E—05	8.49E—01	1.50E+00
430	1.39E+01	8.38E+01	2.04E—02	1.50E—05	1.01E+00	1.25E+00
440	1.59E+01	8.18E+01	1.61E—02	1.07E—05	1.20E+00	1.05E+00
450	1.81E+01	7.96E+01	1.27E—02	7.61E—06	1.43E+00	8.69E—01
460	2.05E+01	7.71E+01	1.00E—02	5.39E—06	1.68E+00	7.20E—01
470	2.31E+01	7.43E+01	7.84E—03	3.81E—06	1.97E+00	5.94E—01
480	2.59E+01	7.13E+01	6.12E—03	2.68E—06	2.29E+00	4.88E—01
490	2.89E+01	6.81E+01	4.75E—03	1.87E—06	2.66E+00	3.99E—01
500	3.20E+01	6.46E+01	3.67E—03	1.31E—06	3.06E+00	3.24E—01
510	3.52E+01	6.10E+01	2.82E—03	9.06E—07	3.50E+00	2.62E—01
520	3.86E+01	5.72E+01	2.16E—03	6.25E—07	3.98E+00	2.11E—01
530	4.19E+01	5.34E+01	1.64E—03	4.29E—07	4.50E+00	1.69E—01
540	4.53E+01	4.95E+01	1.24E—03	2.93E—07	5.05E+00	1.35E—01
550	4.86E+01	4.56E+01	9.33E—04	1.99E—07	5.63E+00	1.06E—01
560	5.19E+01	4.18E+01	6.98E—04	1.35E—07	6.23E+00	8.38E—02
570	5.50E+01	3.81E+01	5.20E—04	9.07E—08	6.86E+00	6.56E—02
580	5.79E+01	3.45E+01	3.85E—04	6.08E—08	7.51E+00	5.11E—02
590	6.07E+01	3.11E+01	2.84E—04	4.05E—08	8.17E+00	3.96E—02
600	6.32E+01	2.79E+01	2.08E—04	2.69E—08	8.84E+00	3.06E—02
610	6.56E+01	2.49E+01	1.52E—04	1.78E—08	9.51E+00	2.35E—02
620	6.77E+01	2.21E+01	1.11E—04	1.17E—08	1.02E+01	1.80E—02
630	6.95E+01	1.96E+01	8.06E—05	7.72E—09	1.09E+01	1.37E—02
640	7.12E+01	1.73E+01	5.83E—05	5.06E—09	1.15E+01	1.04E—02
650	7.26E+01	1.52E+01	4.21E—05	3.31E—09	1.22E+01	7.92E—03
660	7.38E+01	1.33E+01	3.03E—05	2.16E—09	1.29E+01	6.00E—03
670	7.48E+01	1.17E+01	2.18E—05	1.41E—09	1.36E+01	4.53E—03
680	7.56E+01	1.02E+01	1.57E—05	9.17E—10	1.42E+01	3.41E—03
690	7.63E+01	8.88E+00	1.12E—05	5.97E—10	1.49E+01	2.57E—03
700	7.68E+01	7.72E+00	8.04E—06	3.88E—10	1.55E+01	1.93E—03

Продолжение табл. 4

z, км	H^+/S, %	O^+/S, %	O_2^+/S, %	Ar^+/S, %	H/S, %	N_2/S, %
710	7.71E+01	6.71E+00	5.75E−06	2.52E−10	1.62E+01	1.45E−03
720	7.74E+01	5.82E+00	4.11E−06	1.63E−10	1.68E+01	1.09E−03
730	7.75E+01	5.04E+00	2.94E−06	1.06E−10	1.75E+01	8.17E−04
740	7.75E+01	4.37E+00	2.10E−06	6.88E−11	1.81E+01	6.12E−04
750	7.75E+01	3.78E+00	1.50E−06	4.47E−11	1.88E+01	4.59E−04
760	7.73E+01	3.27E+00	1.07E−06	2.90E−11	1.94E+01	3.44E−04
770	7.71E+01	2.83E+00	7.65E−07	1.88E−11	2.01E+01	2.57E−04
780	7.68E+01	2.44E+00	5.47E−07	1.22E−11	2.07E+01	1.93E−04
790	7.65E+01	2.11E+00	3.91E−07	7.94E−12	2.14E+01	1.45E−04
800	7.61E+01	1.82E+00	2.79E−07	5.17E−12	2.20E+01	1.08E−04

D—82, LAT—80; LON—45, LT—12; *F*—70; *FAV*—70; A_p—3; UT1—9

80	5.35E−04	1.16E−03	2.08E+01	9.24E−01	1.65E−05	7.82E−01
90	5.91E−04	2.92E−01	2.04E+01	8.98E−01	1.12E−04	7.84E+01
100	9.54E−04	3.28E+00	1.84E+01	7.70E−01	2.08E−04	7.76E+01
110	2.32E−03	9.42E+00	1.44E+01	5.54E−01	4.74E−04	7.56E+01
120	5.92E−03	1.64E+01	1.05E+01	3.73E−01	8.72E−04	7.28E+01
130	1.41E−02	2.23E+01	8.10E+00	2.63E−01	1.21E−03	6.93E+01
140	2.67E−02	2.74E+01	6.77E+00	1.92E−01	1.44E−03	6.56E+01
150	4.21E−02	3.21E+01	5.85E+00	1.44E−01	1.64E−03	6.18E+01
160	6.17E−02	3.67E+01	5.11E+00	1.10E−01	1.90E−03	5.80E+01
170	8.70E−02	4.12E+01	4.47E+00	8.38E−02	2.27E−03	5.41E+01
180	1.19E−01	4.57E+01	3.89E+00	6.43E−02	2.79E−03	5.02E+01
190	1.60E−01	5.01E+01	3.37E+00	4.93E−02	3.52E−03	4.63E+01
200	2.11E−01	5.45E+01	2.91E+00	3.77E−02	4.51E−03	4.24E+01
210	2.74E−01	5.87E+01	2.50E+00	2.87E−02	5.83E−03	3.85E+01
220	3.52E−01	6.27E+01	2.13E+00	2.18E−02	7.56E−03	3.48E+01
230	4.47E−01	6.65E+01	1.80E+00	1.65E−02	9.81E−03	3.12E+01
240	5.62E−01	7.00E+01	1.52E+00	1.24E−02	1.27E−02	2.79E+01
250	7.01E−01	7.33E+01	1.27E+00	9.25E−03	1.64E−02	2.47E+01
260	8.67E−01	7.63E+01	1.06E+00	6.89E−03	2.10E−02	2.18E+01
270	1.06E+00	7.89E+01	8.78E−01	5.11E−03	2.68E−02	1.91E+01
280	1.30E+00	8.13E+01	7.25E−01	3.77E−03	3.40E−02	1.67E+01
290	1.58E+00	8.33E+01	5.96E−01	2.77E−03	4.29E−02	1.45E+01
300	1.90E+00	8.50E+01	4.88E−01	2.03E−03	5.40E−02	1.25E+01
310	2.30E+00	8.63E+01	4.01E−01	1.50E−03	6.80E−02	1.09E+01
320	2.75E+00	8.75E+01	3.26E−01	1.09E−03	8.46E−02	9.35E+00
330	3.27E+00	8.83E+01	2.64E−01	7.92E−04	1.05E−01	8.01E+00
340	3.88E+00	8.89E+01	2.14E−01	5.74E−04	1.30E−01	6.84E+00
350	4.59E+00	8.92E+01	1.73E−01	4.16E−04	1.59E−01	5.83E+00
360	5.40E+00	8.93E+01	1.39E−01	3.00E−04	1.96E−01	4.96E+00
370	6.34E+00	8.91E+01	1.12E−01	2.17E−04	2.39E−01	4.21E+00
380	7.42E+00	8.86E+01	8.96E−02	1.56E−04	2.91E−01	3.56E+00
390	8.65E+00	8.79E+01	7.16E−02	1.12E−04	3.53E−01	3.00E+00
400	1.00E+01	8.69E+01	5.72E−02	8.02E−05	4.27E−01	2.53E+00

Продолжение табл. 4

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	1.16E+01	8.57E+01	4.55E−02	5.74E−05	5.15E−01	2.12E+00
420	1.34E+01	8.42E+01	3.61E−02	4.09E−05	6.17E−01	1.78E+00
430	1.54E+01	8.24E+01	2.86E−02	2.91E−05	7.38E−01	1.48E+00
440	1.76E+01	8.03E+01	2.25E−02	2.06E−05	8.77E−01	1.23E+00
450	2.00E+01	7.79E+01	1.77E−02	1.46E−05	1.04E+00	1.02E+00
460	2.26E+01	7.53E+01	1.38E−02	1.03E−05	1.22E+00	8.42E−01
470	2.55E+01	7.24E+01	1.08E−02	7.21E−06	1.43E+00	6.92E−01
480	2.85E+01	6.93E+01	8.37E−03	5.04E−06	1.67E+00	5.65E−01
490	3.17E+01	6.59E+01	6.46E−03	3.50E−06	1.93E+00	4.60E−01
500	3.51E+01	6.23E+01	4.96E−03	2.42E−06	2.22E+00	3.72E−01
510	3.86E+01	5.86E+01	3.79E−03	1.67E−06	2.53E+00	2.99E−01
520	4.21E+01	5.48E+01	2.88E−03	1.14E−06	2.88E+00	2.40E−01
530	4.57E+01	5.09E+01	2.18E−03	7.80E−07	3.24E+00	1.91E−01
540	4.92E+01	4.70E+01	1.64E−03	5.29E−07	3.63E+00	1.51E−01
550	5.27E+01	4.32E+01	1.22E−03	3.57E−07	4.04E+00	1.19E−01
560	5.61E+01	3.94E+01	9.10E−04	2.39E−07	4.47E+00	9.29E−02
570	5.93E+01	3.57E+01	6.73E−04	1.60E−07	4.91E+00	7.24E−02
580	6.23E+01	3.22E+01	4.96E−04	1.06E−07	5.36E+00	5.61E−02
590	6.52E+01	2.90E+01	3.63E−04	7.04E−08	5.82E+00	4.32E−02
600	6.78E+01	2.59E+01	2.65E−04	4.65E−08	6.29E+00	3.32E−02
610	7.02E+01	2.30E+01	1.93E−04	3.05E−08	6.76E+00	2.54E−02
620	7.23E+01	2.04E+01	1.40E−04	2.00E−08	7.24E+00	1.94E−02
630	7.42E+01	1.80E+01	1.01E−04	1.31E−08	7.72E+00	1.47E−02
640	7.59E+01	1.59E+01	7.28E−05	8.53E−09	8.19E+00	1.11E−02
650	7.74E+01	1.39E+01	5.23E−05	5.55E−09	8.67E+00	8.42E−03
660	7.87E+01	1.22E+01	3.75E−05	3.61E−09	9.15E+00	6.35E−03
670	7.97E+01	1.06E+01	2.69E−05	2.34E−09	9.62E+00	4.78E−03
680	8.06E+01	9.28E+01	1.92E−05	1.52E−09	1.01E+01	3.59E−03
690	8.13E+01	8.08E+01	1.37E−05	9.81E−10	1.06E+01	2.70E−03
700	8.19E+01	7.02E+01	9.81E−06	6.35E−10	1.10E+01	2.02E−03
710	8.24E+01	6.09E+00	7.00E−06	4.11E−10	1.15E+01	1.51E−03
720	8.27E+01	5.28E+00	4.99E−06	2.65E−10	1.20E+01	1.13E−03
730	8.29E+01	4.58E+00	3.56E−06	1.72E−10	1.25E+01	8.49E−04
740	8.31E+01	3.96E+00	2.54E−06	1.11E−10	1.30E+01	6.35E−04
750	8.31E+01	3.43E+00	1.81E−06	7.18E−11	1.35E+01	4.75E−04
760	8.31E+01	2.96E+00	1.29E−06	4.64E−11	1.39E+01	3.55E−04
770	8.30E+01	2.56E+00	9.18E−07	3.01E−11	1.44E+01	2.66E−04
780	8.28E+01	2.21E+00	6.54E−07	1.95E−11	1.49E+01	1.99E−04
790	8.26E+01	1.91E+00	4.67E−07	1.26E−11	1.55E+01	1.49E−04
800	8.24E+01	1.65E+00	3.33E−07	8.18E−12	1.60E+01	1.11E−04

D—82, LAT—40; LON 45; LT- 12, *F*—70; *FAV* 70, A_p—3, UT1—9

80	5.12E−01	1.22E−03	2.08E+01	8.97E−01	1.74E−05	7.83E+01
90	6.07E−04	3.10E−01	2.04E+01	8.55E−01	1.20E−04	7.84E+01
100	9.52E−04	3.46E+00	1.85E+01	7.17E−01	2.06E−04	7.74E+01

Продолжение табл. 4

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.42E−03	1.02E+01	1.44E+01	4.80E−01	5.02E−04	7.49E+01
120	6.72E−03	1.83E+01	1.04E+01	2.95E−01	1.03E−03	7.11E+01
130	1.59E−02	2.51E+01	7.98E+00	1.93E−01	1.46E−03	6.68E+01
140	3.00E−02	3.08E+01	6.59E+00	1.33E−01	1.77E−03	6.24E+01
150	4.72E−02	3.61E+01	5.63E+00	9.51E−02	2.05E−03	5.81E+01
160	6.89E−02	4.12E+01	4.85E+00	6.96E−02	2.39E−03	5.38E+01
170	9.65E−02	4.61E+01	4.18E+00	5.17E−02	2.86E−03	4.96E−01
180	1.31E−01	5.08E+01	3.59E+00	3.88E−02	3.51E−03	4.54E+01
190	1.74E−01	5.54E+01	3.07E+00	2.92E−02	4.40E−03	4.13E+01
200	2.28E−01	5.98E+01	2.61E+00	2.19E−02	5.60E−03	3.73E+01
210	2.93E−01	6.39E+01	2.21E+00	1.65E−02	7.19E−03	3.35E+01
220	3.72E−01	6.78E+01	1.86E+00	1.23E−02	9.24E−03	2.99E+01
230	4.68E−01	7.14E+01	1.56E+00	9.20E−03	1.19E−02	2.66E+01
240	5.83E−01	7.46E+01	1.30E+00	6.84E−03	1.52E−02	2.35E+01
250	7.21E−01	7.76E+01	1.08E+00	5.07E−03	1.95E−02	2.06E+01
260	8.84E−01	8.02E+01	8.91E−01	3.74E−03	2.48E−02	1.80E+01
270	1.08E+00	8.25E+01	7.35E−01	2.75E−03	3.14E−02	1.57E+01
280	1.31E+00	8.45E+01	6.03E−01	2.02E−03	3.96E−02	1.36E+01
290	1.58E+00	8.67E+01	4.93E−01	1.48E−03	4.97E−02	1.17E+01
300	1.89E+00	8.75E+01	4.01E−01	1.08E−03	6.21E−02	1.01E+01
310	2.27E+00	8.86E+01	3.27E−01	7.86E−04	7.76E−02	8.71E+00
320	2.70E+00	8.95E+01	2.65E−01	5.71E−04	9.62E−02	7.46E+00
330	3.21E+00	9.01E+01	2.14E−01	4.14E−04	1.19E−01	6.37E+00
340	3.79E+00	9.05E+01	1.73E−01	3.00E−04	1.46E−01	5.43E+00
350	4.47E+00	9.06E+01	1.39E−01	2.17E−04	1.80E−01	4.62E+00
360	5.25E+00	9.05E+01	1.12E−01	1.56E−04	2.20E−01	3.92E+00
370	6.16E+00	9.02E+01	9.00E−02	1.13E−04	2.69E−01	3.32E+00
380	7.19E+00	8.96E+01	7.21E−02	8.10E−05	3.27E−01	2.81E+00
390	8.37E+00	8.88E+01	5.77E−02	5.82E−05	3.96E−01	2.37E+00
400	9.72E+00	8.78E+01	4.60E−02	4.17E−05	4.78E−01	2.00E+00
410	1.12E+01	8.65E+01	3.66E−02	2.98E−05	5.76E−01	1.68E+00
420	1.29E+01	8.49E+01	2.91E−02	2.13E−05	6.90E−01	1.40E+00
430	1.49E+01	8.31E+01	2.30E−02	1.52E−05	8.24E−01	1.17E+00
440	1.70E+01	8.10E+01	1.82E−02	1.08E−05	9.80E−01	9.74E−01
450	1.93E+01	7.87E+01	1.43E−02	7.61E−06	1.16E+00	8.07E−01
460	2.19E+01	7.61E+01	1.12E−02	5.37E−06	1.37E+00	6.67E−01
470	2.46E+01	7.32E+01	8.73E−03	3.77E−06	1.60E+00	5.48E−01
480	2.76E+01	7.01E+01	6.78E−03	2.64E−06	1.86E+00	4.49E−01
490	3.07E+01	6.68E+01	5.24E−03	1.84E−06	2.16E+00	3.65E−01
500	3.40E+01	6.32E+01	4.03E−03	1.27E−06	2.48E+00	2.96E−01
510	3.74E+01	5.95E+01	3.09E−03	8.79E−07	2.84E+00	2.39E−01
520	4.09E+01	5.57E+01	2.35E−03	6.03E−07	3.23E+00	1.91E−01
530	4.44E+01	5.18E+01	1.78E−03	4.12E−07	3.64E+00	1.52E−01
540	4.79E+01	4.79E+01	1.34E−03	2.80E−07	4.08E+00	1.21E−01
550	5.13E+01	4.41E+01	1.00E−03	1.89E−07	4.55E+00	9.52E−02
560	5.46E+01	4.03E+01	7.47E−04	1.27E−07	5.03E+00	7.47E−02
570	5.78E+01	3.66E+01	5.53E−04	8.52E−08	5.53E+00	5.82E−02
580	6.09E+01	3.30E+01	4.08E−04	5.67E−08	6.05E+00	4.52E−02
590	6.37E+01	2.97E+01	3.00E−04	3.76E−08	6.58E+00	3.49E−02
600	6.63E+01	2.66E+01	2.19E−04	2.49E−08	7.11E+00	2.68E−02

Продолжение табл. 4

z, км	Hc/S, ·	O/S, ·	O_2/S, ·	Ar/S, ·	H/S, ·	N_2/S, ·
610	6.87E+01	2.37E+01	1.59E−04	1.64E 08	7.65E+00	2.05E−02
620	7.08E+01	**2.10E+01**	1.16E−04	1.07E−08	8.19E+00	1.57E−02
630	7.27E+01	1.86E+01	8.37E −05	7.03E 09	8.73E+00	1.19E 02
640	7.44E+01	1.63E+01	6.04E−05	4.59E−09	9.27E+00	9.04E−03
650	7.58E+01	1.43E+01	4.34E−05	2.99E−09	9.81E+00	6.83E−03
660	7.71E+01	1.26E+01	3.12E−05	1.95E−09	1.04E+01	5.16E−03
670	7.81E+01	1.10E+01	2.24E−05	1.26E−09	1.09E+01	3.88E−03
680	7.90E+01	9.57E+00	1.60E−05	8.19E−10	1.14E+01	2.92E−03
690	7.97E+01	8.33E+00	1.14E−05	5.31E− 10	1.20E+01	2.19E−03
700	8.03E+01	7.24E+00	8.17E−06	3.44E−10	1.25E+01	1.65E−03
710	8.07E+01	6.29E+00	5.83E−06	2.22E−10	1.30E+01	1.23E−03
720	8.10E+01	5.45E+00	4.16E−06	1.44E−10	1.36E+01	9.24E−04
730	8.12E+01	4.72E+00	2.97E−06	9.31E−11	1.41E+01	6.92E 04
740	8.13E+01	4.09E+00	2.12E −06	6.02E−11	1.46E+01	5.17E−04
750	8.13E+01	3.54E+00	1.51E−06	3.90E−11	1.52E+01	3.87E−04
760	8.12E+01	3.06E+00	1.07E−06	2.52E−11	1.57E+01	2.90E−04
770	8.11E+01	2.64E+00	7.66E−07	1.63E−11	1.63E+01	2.17E−04
780	8.09E+01	2.28E+00	5.46E−07	1.06E 11	1.68E+01	1.62E−04
790	8.06E+01	1.97E+00	3.90E −07	6.85E−12	1.74E+01	1.21E− 04
800	8.03E+01	1.70E+00	2.78E−07	4.45E−12	1.80E+01	9.07E− 05

D −82; LAT− 80; LON—45; LT—12; *F*—70; *FAV*—70; A_p− 3; UT1—9

80	5.40E− 04	1.09E− 03	2.09E+01	9.22E 01	1.79E 05	7.82E+01
90	6.01E−04	2.73E−01	2.05E+01	8.94E−01	1.25E−04	7.83E+01
100	9.50E−04	3.01E+00	1.89E+01	7.68E−01	2.24E−04	7.73E+01
110	2.31E−03	8.64E+00	1.56E+01	5.47E−01	5.34E−04	7.52E+01
120	5.80E −03	1.51E+01	1.22E+01	3.64E− 01	1.06E−03	7.24E+01
130	1.18E−02	2.05E+01	9.99E+00	2.56E−01	1.56E 03	6.92E+01
140	2.01E−02	2.52E+01	8.58E+00	1.89E−01	1.95E−03	6.61E+01
150	3.14E−02	2.94E+01	7.54E+00	1.43E−01	2.31E 03	6.29E+01
160	4.61E−02	3.35E+01	6.68E+00	1.11E− 01	2.76E−03	5.96E+01
170	6.51E−02	3.76E+01	5.92E+00	8.61E−02	3.37E−03	5.63E+01
180	8.94E−02	4.17E+01	5.24E+00	6.74E 02	4.21E− 03	5.29E+01
190	1.20E−01	4.57E+01	4.62E+00	5.28E−02	5.35E −03	4.95E+01
200	1.58E−01	4.97E+01	4.06E+00	4.14E−02	6.90E−03	4.60E+01
210	2.06E−01	5.37E+01	3.55E+00	3.24E− 02	8.94E−03	4.25E+01
220	2.64E−01	5.75E+01	3.09E+00	2.52E−02	**1.16E−02**	3.91E+01
230	3.35E−01	6.12E+01	2.67E+00	1.96E− 02	1.50E−02	3.57E+01
240	4.21E−01	6.48E+01	2.30E+00	1.51E−02	1.94E−02	3.24E+01
250	5.24E−01	6.82E+01	1.97E+00	1.17E−02	2.49E−02	2.93E+01
260	6.47E− 01	7.13E+01	1.68E+00	8.94E 03	3.18E−02	2.63E+01
270	7.93E−01	7.42E+01	1.42E+00	6.82E−03	4.04E−02	2.35E+01
280	9.65E−01	7.69E+01	1.20E+00	5.19E−03	5.10E−02	2.09E+01
290	1.17E+00	7.93E+01	1.01E+00	3.93E−03	6.41E−02	1.85E+01
300	1.40E+00	**8.14E+01**	8.45E−01	2.97E−03	8.01E−02	1.63E+01

Продолжение табл. 4

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.70E+00	8.30E+01	7.11E 01	2.25E—03	1.00E—01	1.45E+01
320	2.02E+00	8.46E+01	5.91E 01	1.69E—03	1.24E -01	1.26E+01
330	2.39E+00	8.60E+01	4.89E—01	1.26E—03	1.53E -01	1.10E+01
340	2.82E+00	8.70E+01	4.04E—01	9.41E—04	1.87E—01	9.57E+00
350	3.32E+00	8.78E+01	3.33E 01	7.00E—04	2.29E—01	8.29E+00
360	3.88E+00	8.84E+01	2.73E 01	5.20E 04	2.78E— 01	7.17E+00
370	4.54E+00	8.87E+01	2.24E—01	3.86E—04	3.37E—01	6.18E+00
380	5.28E+00	8.88E+01	1.84E 01	2.85E- 04	4.08E- 01	5.32E+00
390	6.13E+00	8.87E+01	1.50E—01	2.11E- 04	4.91E—01	4.57E+00
400	7.09E+00	8.83E+01	1.22E 01	1.56E- 04	5.90E—01	3.92E+00
410	8.18E+00	8.77E+01	9.94E—02	1.15E 04	7.06E 01	3.35E+00
420	9.40E+00	8.68E+01	8.07E—02	8.42E—05	8.43E—01	2.86E+00
430	1.08E+01	8.57E+01	6.54E- 02	6.18E- 05	1.00E+00	2.43E+00
440	1.23E+01	8.44E+01	5.28E- 02	4.52E- 05	1.19E+00	2.07E+00
450	1.40E+01	8.28E+01	4.26E—02	3.30E—05	1.40E+00	1.75E+00
460	1.58E+01	8.10E+01	3.42E- 02	2.41E—05	1.65E+00	1.48E+00
470	1.79E+01	7.89E+01	2.74E- 02	1.75E—05	1.93E+00	1.24E+00
480	2.01E+01	7.66E+01	2.19E- 02	1.26E -05	2.25E+00	1.04E+00
490	2.25E+01	7.40E 01	1.74E- 02	9.13E—06	2.61E+00	8.69E 01
500	2.50E+01	7.12E+01	1.38E 02	6.57E—06	3.01E+00	7.23E 01
510	2.77E+01	6.82E+01	1.09E- 02	4.70E- 06	3.46E+00	5.99E—01
520	3.05E+01	6.50E+01	8.55E- 03	3.36E- 06	3.95E+00	4.94E 01
530	3.34E+01	6.17E+01	6.69E—03	2.38E—06	4.49E+00	4.05E—01
540	3.61E+01	5.82E+01	5.21E- 03	1.69E—06	5.07E+00	3.31E 01
550	3.95E+01	5.46E+01	4.04E—03	1.19E—06	5.69E+00	2.69E- 01
560	4.25E+01	5.09E+01	3.11E 03	8.33E—07	6.35E+00	2.18E 01
570	4.55E+01	4.73E+01	2.39E- 03	5.81E—07	7.04E+00	1.75E- 01
580	4.84E+01	4.37E+01	1.83E 03	4.01E- 07	7.77E+00	1.40E—01
590	5.13E+01	4.01E+01	1.39E -03	2.79E- 07	8.52E+00	1.12E—01
600	5.40E+01	3.67E+01	1.05E—03	1.92E—07	9.29E+00	8.88E- 02
610	5.65E+01	3.33E+01	7.91E—04	1.32E -07	1.01E+01	7.01E—02
620	5.89E+01	3.02E+01	5.94E—04	9.02E- 08	1.09E+01	5.51E—02
630	6.11E+01	2.72E+01	4.44E—04	6.14E—08	1.17E+01	4.32E 02
640	6.30E+01	2.44E+01	3.31E—04	4.17E- 08	1.25E+01	3.37E 02
650	6.48E+01	2.18E+01	2.46E- 04	2.82E —08	1.33E+01	2.62E—02
660	6.64E+01	1.95E+01	1.82E— 04	1.90E- -08	1.41E+01	2.04E- 02
670	6.78E+01	1.73E+01	1.34E—04	1.28E—08	1.49E+01	1.57E- 02
680	6.90E+01	1.53E+01	9.90E—05	8.61E- -09	1.57E+01	1.21E—02
690	7.00E+01	1.35E+01	7.28E—05	5.78E 09	1.65E+01	9.35E 03
700	7.08E+01	1.19E+01	5.35E -05	3.87E—09	1.73E+01	7.19E- 03
710	7.14E+01	1.05E+01	3.92E- 05	2.59E- 09	1.80E+01	5.52E- 03
720	7.20E+01	9.24E+00	2.87E—05	1.73E—09	1.88E+01	4.23E—03
730	7.23E+01	8.10E+00	2.10E—05	1.16E -09	1.96E+01	3.24E 03
740	7.26E+01	7.10E+00	1.53E- -05	7.72E- 10	2.03E+01	2.47E 03
750	7.27E+01	6.21E+00	1.12E—05	5.15E- -10	2.10E+01	1.89E- 03
760	7.28E+01	5.43E+00	8.18E- -06	3.44E- 10	2.18E+01	1.44E 03
770	7.27E+01	4.74E+00	5.97E—06	2.29E—10	2.25E+01	1.10E- 03
780	7.26E+01	4.14E+00	4.36E- 06	1.53E 10	2.32E+01	8.41E—04
790	7.24E+01	3.61E+00	3.18E—06	1.02E—10	2.40E+01	6.42E 04
800	7.22E+01	3.15E+00	2.32E- 06	6.81E- 11	2.47E+01	4.89E- 04

Таблица 5

Широтные вариации состава при средней солнечной активности для условий весеннего равноденствия в северном и осеннего в южном полушариях

Z_m, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S %
	D 82; LAT—0; LON—45; LT—12; *F* 150, *FAV*—150; A_p—3; UT1—9					
80	5.58E—04	1.28E—03	2.08E+01	8.97E—01	1.62E—05	7.83E+01
90	6.15E—04	3.26E—01	2.02E+01	8.60E—01	1.01E—04	7.86E+01
100	9.55E—04	3.65E+00	1.80E+01	7.29E—01	1.55E—04	7.76E+01
110	2.50E—03	1.12E+01	1.31E+01	4.75E—01	3.59E—04	7.52E+01
120	7.56E—03	2.04E+01	8.62E+00	2.85E—01	7.47E—04	7.07E+01
130	1.56E—02	2.72E+01	6.34E+00	1.93E—01	9.03E—04	6.62E+01
140	2.62E—02	3.26E+01	5.21E+00	1.39E—01	9.27E—04	6.21E+01
150	3.83E—02	3.71E+01	4.51E+00	1.04E—01	9.21E—04	5.82E+01
160	5.26E—02	4.14E+01	3.98E+00	8.07E—02	9.38E—04	5.45E+01
170	6.92E—02	4.53E+01	3.53E+00	6.37E—02	9.95E—04	5.11E+01
180	8.86E—02	4.90E+01	3.14E+00	5.09E—02	1.10E—03	4.77E+01
190	1.11E—01	5.26E+01	2.79E+00	4.11E—02	1.26E—03	4.45E+01
200	1.37E—01	5.60E+01	2.49E+00	3.33E—02	1.47E—03	4.13E+01
210	1.67E—01	5.92E+01	2.21E+00	2.70E—02	1.74E—03	3.84E+01
220	2.01E—01	6.23E+01	1.96E+00	2.20E—02	2.08E—03	3.55E+01
230	2.39E—01	6.52E+01	1.73E+00	1.79E—02	2.50E—03	3.28E+01
240	2.83E—01	6.80E+01	1.53E+00	1.46E—02	3.00E—03	3.02E+01
250	3.33E—01	7.06E+01	1.35E+00	1.19E—02	3.60E—03	2.77E+01
260	3.90E—01	7.30E+01	1.19E+00	9.63E—03	4.30E—03	2.54E+01
270	4.54E—01	7.53E—01	1.05E+00	7.82E—03	5.13E—03	2.32E+01
280	5.26E—01	7.73E+01	9.17E—01	6.31E—03	6.11E—03	2.12E+01
290	6.07E—01	7.93E+01	8.04E—01	5.11E—03	7.25E—03	1.93E+01
300	6.98E—01	8.10E+01	7.03E—01	4.16E—03	8.57E—03	1.76E+01
310	7.99E—01	8.26E+01	6.13E—01	3.36E—03	1.01E—02	1.59E+01
320	9.14E—01	8.41E+01	5.35E—01	2.71E—03	1.19E—02	1.44E+01
330	1.04E+00	8.54E+01	4.66E—01	2.19E—03	1.39E—02	1.31E+01
340	1.18E+00	8.66E+01	4.06E—01	1.76E—03	1.63E—02	1.18E+01
350	1.34E+00	8.76E+01	3.53E—01	1.42E—03	1.90E—02	1.07E+01
360	1.52E+00	8.85E+01	3.06E—01	1.14E—03	2.21E—02	9.63E+00
370	1.72E+00	8.93E+01	2.66E—01	9.20E—04	2.57E—02	8.67E+00
380	1.94E+00	9.00E+01	2.30E—01	7.40E—04	2.99E—02	7.81E+00
390	2.19E+00	9.06E+01	1.99E—01	5.95E—04	3.46E—02	7.02E+00
400	2.46E+00	9.10E+01	1.73E—01	4.78E—04	4.00E—02	6.31E+00
410	2.76E+00	9.14E+01	1.49E—01	3.84E—04	4.63E—02	5.67E+00
420	3.09E+00	9.16E+01	1.29E—01	3.08E—04	5.32E—02	5.08E+00
430	3.46E+00	9.18E+01	1.12E—01	2.47E—04	6.13E—02	4.56E+00
440	3.87E+00	9.19E+01	9.64E—02	1.98E—04	7.04E—02	4.08E+00
450	4.32E+00	9.19E+01	8.32E—02	1.59E—04	8.08E—02	3.66E+00
460	4.82E+00	9.17E+01	7.17E—02	1.27E—04	9.26E—02	3.27E+00
470	5.36E+00	9.15E+01	6.19E—02	1.02E—04	1.06E—01	2.93E+00
480	5.96E+00	9.12E+01	5.33E—02	8.18E—05	1.21E—01	2.61E+00
490	6.62E+00	9.09E+01	4.59E—02	6.55E—05	1.38E—01	2.33E+00
500	7.34E+00	9.04E+01	3.95E—02	5.24E—05	1.57E—01	2.08E+00

Продолжение табл. 5

z, км	He/S, ·	O/S, ·	O_2/S, ·	Ar/S, ·	H/S, ·	N/S, ·
510	8.13E+00	8.98E+01	3.40E-02	4.19E-05	1.79E-01	1.86E+00
520	8.99E+00	8.91E+01	2.92E-02	3.35E-05	2.03E-01	1.65E+00
530	9.92E+00	8.83E+01	2.51E-02	2.68E-05	2.31E-01	1.47E+00
540	1.09E+01	8.75E+01	2.15E-02	2.14E-05	2.61E-01	1.31E+00
550	1.20E+01	8.65E+01	1.84E-02	1.71E-05	2.95E-01	1.16E+00
560	1.32E+01	8.54E+01	1.58E-02	1.36E-05	3.33E-01	1.03E+00
570	1.45E+01	8.42E+01	1.35E-02	1.09E-05	3.75E-01	9.15E-01
580	1.59E+01	8.29E+01	1.15E-02	8.65E-06	4.22E-01	8.10E-01
590	1.73E+01	8.15E+01	9.85E-03	6.88E-06	4.73E-01	7.16E-01
600	1.89E+01	7.99E+01	8.40E-03	5.47E-06	5.30E-01	6.32E-01
610	2.06E+01	7.83E+01	7.15E-03	4.34E-06	5.92E-01	5.57E-01
620	2.23E+01	7.65E+01	6.07E-03	3.44E-06	6.60E-01	4.91E-01
630	2.42E+01	7.46E+01	5.15E-03	2.72E-06	7.33E-01	4.31E-01
640	2.61E+01	7.27E+01	4.37E-03	2.15E-06	8.13E-01	3.78E-01
650	2.82E+01	7.06E+01	3.69E-03	1.70E-06	9.00E-01	3.31E-01
660	3.03E+01	6.84E+01	3.12E-03	1.34E-06	9.93E-01	2.89E-01
670	3.25E+01	6.62E+01	2.63E-03	1.05E-06	1.09E+00	2.52E-01
680	3.48E+01	6.38E+01	2.21E-03	8.21E-07	1.20E+00	2.20E-01
690	3.71E+01	6.14E+01	1.85E-03	6.46E-07	1.31E+00	1.91E-01
700	3.94E+01	5.90E+01	1.55E-03	5.05E-07	1.43E+00	1.65E-01
710	4.18E+01	5.65E+01	1.30E-03	3.94E-07	1.56E+00	1.43E-01
720	4.42F+01	5.39E+01	1.08E-03	3.07E-07	1.69E+00	1.23E-01
730	4.67E+01	5.14E+01	8.99E-04	2.39E-07	1.83E+00	1.06E-01
740	4.91E+01	4.89E+01	7.46E-04	1.85E-07	1.97E+00	9.11E-02
750	5.15E+01	4.63E+01	6.18E-04	1.44E-07	2.12E+00	7.80E-02
760	5.39E+01	4.38E+01	5.11E-04	1.11E-07	2.28E+00	6.67E-02
770	5.62E+01	4.13E+01	4.22E-04	8.56E-08	2.44F+00	5.69E-02
780	5.85E+01	3.89E+01	3.47E-04	6.59E-08	2.60E+00	4.85E-02
790	6.07E+01	3.65E+01	2.86E-04	5.07E-08	2.77E+00	4.12E-02
800	6.28E+01	3.42E+01	2.34E-04	3.89E-08	2.94E+00	3.49E-02

D—82; LAT—40; LON—45; LT—12; F—150; $F\Delta V$—150, A_p—3; UT1—9

80	5.41E-04	1.30E-03	2.08E+01	8.85E-01	1.55E-05	7.83E+01
90	6.05E-04	3.34E-01	2.02E+01	8.37E-01	1.02E-04	7.86E+01
100	9.57E-04	3.78E+00	1.77E+01	6.94E-01	1.68E-04	7.78E+01
110	2.43E-03	1.13E+01	1.28E+01	4.59E-01	3.80E-04	7.55E+01
120	6.59E-03	2.00E+01	8.24E+00	2.79E-01	6.97E-04	7.15E+01
130	1.50E-02	2.69E+01	5.91E+00	1.83E-01	8.77E-04	6.70E+01
140	2.70E-02	3.24E+01	4.79E+00	1.27E-01	9.28E-04	6.27E+01
150	4.02E-02	3.71E+01	4.12E+00	9.32E-02	9.14E-04	5.87E+01
160	5.56E-02	4.14E+01	3.62E+00	7.07E-02	9.78E-04	5.48E+01
170	7.36E-02	4.55E+01	3.20E+00	5.50E-02	1.05E-03	5.12E+01
180	9.45E-02	4.94E+01	2.83E+00	4.35E-02	1.17E-03	4.77E+01
190	1.19E-01	5.30E+01	2.51E+00	3.48E-02	1.35E-03	4.43E+01
200	1.47E-01	5.65E+01	2.23E+00	2.80E-02	1.58E-03	4.11E+01

Продолжение табл. 5

z, км	H_2/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.78E—01	5.98E+01	1.97E+00	2.26E—02	1.89E—03	3.80E+01
220	2.15E—01	6.30E+01	1.74E+00	1.83E—02	2.26E—03	3.50E+01
230	2.57E—01	6.59E+01	1.54E+00	1.49E—02	2.71E—03	3.23E+01
240	3.04E—01	6.87E+01	1.35E+00	1.20E—02	3.26E—03	2.96E+01
250	3.57E—01	7.13E+01	1.19E+00	9.76E—03	3.91E—03	2.72E+01
260	4.18E—01	7.37E+01	1.05E+00	7.90E—03	4.68E—03	2.48E+01
270	4.86E—01	7.59E+01	9.17E—01	6.40E—03	5.59E—03	2.27E+01
280	5.63E—01	7.80E+01	8.03E—01	5.17E—03	6.65E—03	2.07E+01
290	6.50E—01	7.99E+01	7.02E—01	4.18E—03	7.89E—03	1.88E+01
300	7.47E—01	8.16E+01	6.13E—01	3.38E—03	9.33E—03	1.70E+01
310	8.54E—01	8.32E+01	5.33E—01	2.72E—03	1.10E—02	1.54E+01
320	9.76E—01	8.46E+01	4.65E—01	2.19E—03	1.29E—02	1.40E+01
330	1.11E+00	8.58E+01	4.04E—01	1.76E—03	1.51E—02	1.26E+01
340	1.27E+00	8.70E+01	3.51E—01	1.42E—03	1.77E—02	1.14E+01
350	1.44E+00	8.80E+01	3.05E—01	1.14E—03	2.07E—02	1.03E+01
360	1.62E+00	8.88E+01	2.65E—01	9.19E—04	2.41E—02	9.27E+00
370	1.84E+00	8.96E+01	2.29E—01	7.38E—04	2.80E—02	8.34E+00
380	2.07E+00	9.02E+01	1.99E—01	5.93E—04	3.25E—02	7.50E+00
390	2.33E+00	9.07E+01	1.72E—01	4.76E—04	3.76E—02	6.71E+00
400	2.62E+00	9.11E+01	1.49E—01	3.82E—04	4.35E—02	6.05E+00
410	2.94E+00	9.14E+01	1.29E—01	3.06E—04	5.02E—02	5.43E+00
420	3.30E+00	9.17E+01	1.11E—01	2.46E—04	5.78E—02	4.87E+00
430	3.69E+00	9.18E+01	9.58E—02	1.97E—04	6.65E—02	4.36E+00
440	4.13E+00	9.18E+01	8.27E—02	1.58E—04	7.65E—02	3.90E+00
450	4.61E+00	9.17E+01	7.13E—02	1.26E—04	8.77E—02	3.49E+00
460	5.13E+00	9.16E+01	6.14E—02	1.01E—04	1.01E—01	3.12E+00
470	5.71E+00	9.13E+01	5.29E—02	8.10E—05	1.15E—01	2.79E+00
480	6.35E+00	9.10E+01	4.56E—02	6.48E—05	1.31E—01	2.49E+00
490	7.05E+00	9.05E+01	3.92E—02	5.19E—05	1.50E—01	2.22E+00
500	7.81E+00	9.00E+01	3.37E—02	4.15E—05	1.71E—01	1.98E+00
510	8.65E+00	8.94E+01	2.89E—02	3.31E—05	1.94E—01	1.77E+00
520	9.56E+00	8.86E+01	2.48E—02	2.65E—05	2.20E—01	1.57E+00
530	1.05E+01	8.78E+01	2.13E—02	2.11E—05	2.50E—01	1.40E+00
540	1.16E+01	8.68E+01	1.83E—02	1.68E—05	2.83E—01	1.24E+00
550	1.28E+01	8.58E+01	1.56E—02	1.34E—05	3.19E—01	1.10E+00
560	1.40E+01	8.46E+01	1.34E—02	1.07E—05	3.60E—01	9.76E—01
570	1.54E+01	8.33E+01	1.14E—02	8.51E—06	4.05E—01	8.64E—01
580	1.68E+01	8.20E+01	9.75E—03	6.76E—06	4.55E—01	7.64E—01
590	1.84E+01	8.05E+01	8.31E—03	5.37E—06	5.10E—01	6.74E—01
600	2.00E+01	7.88E+01	7.07E—03	4.26E—06	5.71E—01	5.94E—01
610	2.17E+01	7.71E+01	6.01E—03	3.37E—06	6.37E—01	5.23E—01
620	2.36E+01	7.53E+01	5.10E—03	2.67E—06	7.09E—01	4.60E—01
630	2.55E+01	7.33E+01	4.32E—03	2.11E—06	7.88E—01	4.03E—01
640	2.75E+01	7.13E+01	3.65E—03	1.66E—06	8.72E—01	3.53E—01
650	2.96E+01	6.91E+01	3.08E—03	1.31E—06	9.64E—01	3.09E—01
660	3.18E+01	6.69E+01	2.60E—03	1.03E—06	1.06E+00	2.69E—01
670	3.40E+01	6.46E+01	2.18E—03	8.07E—07	1.17E+00	2.34E—01
680	3.63E+01	6.22E+01	1.83E—03	6.33E—07	1.28E+00	2.03E—01
690	3.87E+01	5.97E+01	1.53E—03	4.94E—07	1.40E+00	1.76E—01
700	4.11E+01	5.72E+01	1.28E—03	3.85E—07	1.52E+00	1.52E—01

Продолжение табл. 5

$z_{изм}$	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	4.35E+01	5.47E+01	1.07E—03	3.00E—07	1.65E+00	1.31E-01
720	4.60E+01	5.21E+01	8.88E-04	2.33E-07	1.79E+00	1.13E—01
730	4.84E+01	4.96E+01	7.37E—04	1.81E—07	1.94E+00	9.71E—02
740	5.08E+01	4.70E+01	6.11E-04	1.40E-07	2.08E+00	8.32E-02
750	5.32E+01	4.45E+01	5.05E-04	1.08E—07	2.24E+00	7.12E—02
760	5.55E+01	4.20E+01	4.16E—04	8.34E—08	2.40E+00	6.07E—02
770	5.78E+01	3.95E+01	3.43E—04	6.42E-08	2.56E+00	5.17E—02
780	6.01E+01	3.71E+01	2.82E-04	4.93E-08	2.73E+00	4.39E-02
790	6.22E+01	3.48E+01	2.31E—04	3.78E—08	2.90E+00	3.72E—02
800	6.43E+01	3.26E+01	1.89E-04	2.90E—08	3.07E+00	3.15E—02

D—82; LAT—80; LON—45; IT—12, *F*—150, *FAV*—150, A_p—3; UT1—9

80	5.36E—04	1.23E-03	2.08E+01	9.21E-01	1.41E-05	7.83E+01
90	5.90E-04	3.14E—01	2.03E+01	8.95E—01	8.91E—05	7.85E+01
100	9.55E—04	3.56E+00	1.80E+01	7.65E—01	1.54E-04	7.77E+01
110	2.35E—03	1.03E+01	1.36E+01	5.47E—01	3.23E—04	7.55E+01
120	5.97E—03	1.79E+01	9.40E+00	3.67E—01	5.25E—04	7.24E+01
130	1.37E—02	2.40E+01	7.07E+00	2.62E—01	6.26E-04	6.87E+01
140	2.47E—02	2.89E+01	5.90E+00	1.96E—01	6.32E-04	6.50E+01
150	3.70E—02	3.31E+01	5.15E+00	1.52E-01	6.20E—04	6.15E+01
160	5.14E-02	3.71E+01	4.59E+00	1.21E—01	6.25E—04	5.82E+01
170	6.86E—02	4.09E+01	4.10E+00	9.66E—02	6.60E—04	5.49E+01
180	8.88E—02	4.45E+01	3.67E+00	7.82E—02	7.30E—04	5.16E+01
190	1.13E—01	4.81E+01	3.29E+00	6.35E-02	8.37E—04	4.85E+01
200	1.40E-01	5.15E+01	2.94E+00	5.18E—02	9.84E—04	4.54E+01
210	1.73E—01	5.48E+01	2.62E+00	4.23E—02	1.18E—03	4.23E+01
220	2.10E—01	5.80E+01	2.34E+00	3.45E-02	1.42E—03	3.94E+01
230	2.53E-01	6.11E+01	2.08E+00	2.81E—02	1.72E-03	3.65E+01
240	3.03E—01	6.41E+01	1.84E+00	2.29E—02	2.08E—03	3.38E+01
250	3.60E-01	6.69E+01	1.63E+00	1.87E—02	2.52E-03	3.11E+01
260	4.25E-01	6.95E+01	1.44E+00	1.52E—02	3.05E—03	2.86E+01
270	4.99E—01	7.20E+01	1.26E+00	1.23E—02	3.67E—03	2.62E+01
280	5.82E-01	7.43E+01	1.11E+00	9.97E-03	4.40E—03	2.40E+01
290	6.77E—01	7.64E+01	9.73E—01	8.06E—03	5.27E—03	2.19E+01
300	7.85E-01	7.84E+01	8.51E-01	6.50E-03	6.28E—03	1.99E+01
310	9.07E-01	8.02E+01	7.43E—01	5.25E-03	7.47E-03	1.81E+01
320	1.04E+00	8.19E+01	6.47E—01	4.22E—03	8.84E—03	1.64E+01
330	1.20E+00	8.34E+01	5.63E-01	3.39E-03	1.04E—02	1.49E+01
340	1.37E+00	8.47E+01	4.89E-01	2.73E—03	1.23E—02	1.34E+01
350	1.56E+00	8.59E+01	4.24E—01	2.19E-03	1.44E—02	1.21E+01
360	1.78E+00	8.69E+01	3.67E-01	1.75E—03	1.69E—02	1.09E+01
370	2.02E+00	8.78E+01	3.18E—01	1.40E—03	1.98E—02	9.80E+00
380	2.28E+00	8.86E+01	2.74E-01	1.12E-03	2.31E—02	8.80E+00
390	2.58E+00	8.93E+01	2.37E—01	8.95E—04	2.69E-02	7.90E+00
400	2.92E+00	8.98E+01	2.04E-01	7.15E—04	3.12E—02	7.08E+00

Продолжение табл. 5

z, км	H /S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	3.29E+00	9.02E+01	1.76E−01	5.71E−04	3.62E−02	6.34E+00
420	3.70E+00	9.04E+01	1.52L−01	4.55E−04	4.19E−02	5.67E+00
430	4.15E+00	9.06E+01	1.30E−01	3.63E−04	4.84E−02	5.06E+00
440	4.66E+00	9.07E+01	1.12E−01	2.89E−04	5.59E−02	4.52E+00
450	5.21E+00	9.06E+01	9.63E−02	2.30E−04	6.43E−02	4.03E+00
460	5.83E+00	9.04E+01	8.26E−02	1.83E−04	7.40E−02	3.59E+00
470	6.50E+00	9.01E+01	7.08E−02	1.46E−04	8.49E−02	3.20E+00
480	7.25E+00	8.97E+01	6.07E−02	1.16E−04	9.73E−02	2.85E+00
490	8.06E+00	8.92E+01	5.20E−02	9.20E−05	1.11E−01	2.53E+00
500	8.95E+00	8.86E+01	4.45E−02	7.31E−05	1.27E−01	2.25E+00
510	9.93E+00	8.79E+01	3.80E−02	5.80E−05	1.45E−01	1.99E+00
520	1.10E+01	8.70E+01	3.24E−02	4.60E−05	1.65E−01	1.77E+00
530	1.21E+01	8.61E+01	2.77E−02	3.64E−05	1.87E−01	1.56E+00
540	1.34E+01	8.50E+01	2.36E−02	2.88E−05	2.13E−01	1.38E+00
550	1.47E+01	8.38E+01	2.01E−02	2.28E−05	2.40E−01	1.22E+00
560	1.62E+01	8.24E+01	1.71E−02	1.80E−05	2.72E−01	1.08E+00
570	1.77E+01	8.10E+01	1.45E−02	1.42E−05	3.06E−01	9.47E−01
580	1.94E+01	7.94E+01	1.23E−02	1.12E−05	3.44E−01	8.32E−01
590	2.12E+01	7.77E+01	1.04E−02	8.80E−06	3.86E−01	7.30E−01
600	2.31E+01	7.59E+01	8.77E−03	6.92E−06	4.31E−01	6.40E−01
610	2.50E+01	7.39E+01	7.39E−03	5.42E−06	4.81E−01	5.59E−01
620	2.71E+01	7.19E+01	6.22E−03	4.25E−06	5.35E−01	4.88E−01
630	2.93E+01	6.97E+01	5.23E−03	3.32E−06	5.94E−01	4.25E−01
640	3.15E+01	6.74E+01	4.38E−03	2.59E−06	6.57E−01	3.69E−01
650	3.39E+01	6.51E+01	3.67E−03	2.02E−06	7.25E−01	3.20E−01
660	3.63E+01	6.26E+01	3.06E−03	1.57E−06	7.98E−01	2.77E−01
670	3.88E+01	6.01E+01	2.55E−03	1.22E−06	8.75E−01	2.39E−01
680	4.13E+01	5.76E+01	2.12E−03	9.43E−07	9.57E−01	2.06E−01
690	4.38E+01	5.50E+01	1.76E−03	7.28E−07	1.04E+00	1.77E−01
700	4.64E+01	5.23E+01	1.15E−03	5.62E−07	1.13E+00	1.51E−01
710	4.89E+01	4.97E+01	1.20E−03	4.32E−07	1.23E+00	1.29E−01
720	5.15E+01	4.71E+01	9.88E−04	3.32E−07	1.33E+00	1.10E−01
730	5.40E+01	4.45E+01	8.11E−04	2.54E−07	1.43E+00	9.39E−02
740	5.65E+01	4.19E+01	6.65E−04	1.94E−07	1.53E+00	7.97E−02
750	5.89E+01	3.94E+01	5.44E−04	1.48E−07	1.64E+00	6.75E−02
760	6.13E+01	3.69E+01	4.44E−04	1.13E−07	1.75E+00	5.70E−02
770	6.35E+01	3.45E+01	3.62E−04	8.59E−08	1.86E+00	4.81E−02
780	6.57E+01	3.22E+01	2.94E−04	6.52E−08	1.98E+00	4.05E−02
790	6.79E+01	3.00E+01	2.39E−04	4.94E−08	2.10E+00	3.40E−02
800	6.99E+01	2.79E+01	1.93E−04	3.74E−08	2.21E+00	2.85E−02

D—82, LAT—40; LON—45, LT—12; F—150, FAV—150; A_p—3, UT1—9

80	5.41E−04	1.31E−03	2.08E+01	8.94E−01	1.50E−05	7.83E+01
90	6.08E−04	3.37E−01	2.03E+01	8.51E−01	9.74E−05	7.85E+01
100	9.52E−04	3.79E+00	1.81E+01	7.13E−01	1.53E−04	7.74E+01

Продолжение табл. 5

z, км	Hc/S, %	O/S, %	O_2/S, %	Ar/S %	H/S, %	N_2/S, %
110	2.44E—03	1.13E+01	1.36E+01	4.72E—01	3.41E—04	7.46E+01
120	6.80E—03	2.02E+01	9.27E+00	2.88E—01	6.24E—04	7.03E+01
130	1.58E—02	2.72E+01	6.92E+00	1.91E—01	7.61E—04	6.57E+01
140	2.88E—02	3.28E+01	5.70E+00	1.35E—01	7.88E—04	6.14E+01
150	4.30E—02	3.76E+01	4.92E+00	1.00E—01	7.85E—04	5.73E+01
160	5.95E—02	4.20E+01	4.32E+00	7.64E—02	7.98E—04	5.35E+01
170	7.86E—02	4.62E+01	3.82E+00	5.97E—02	8.46E—04	4.99E+01
180	1.01E—01	5.01E+01	3.38E+00	4.73E—02	9.35E—04	4.64E+01
190	1.27E—01	5.38E+01	2.99E+00	3.78E—02	1.07E—03	4.31E+01
200	1.56E—01	5.73E+01	2.64E+00	3.04E—02	1.25E—03	3.99E+01
210	1.90E—01	6.06E+01	2.34E+00	2.46E—02	1.48E—03	3.68E+01
220	2.29E—01	6.37E+01	2.06E+00	1.99E—02	1.76E—03	3.39E+01
230	2.73E—01	6.67E+01	1.82E+00	1.61E—02	2.11E—03	3.12E+01
240	3.23E—01	6.94E+01	1.60E+00	1.30E—02	2.54E—03	2.86E+01
250	3.79E—01	7.20E+01	1.41E+00	1.05E—02	3.04E—03	2.62E+01
260	4.43E—01	7.44E+01	1.23E+00	8.52E—03	3.63E—03	2.39E+01
270	5.15E—01	7.66E+01	1.08E+00	6.89E—03	4.33E—03	2.18E+01
280	5.96E—01	7.86E+01	9.44E—01	5.56E—03	5.15E—03	1.98E+01
290	6.88E—01	8.04E+01	8.24E—01	4.49E—03	6.10E—03	1.80E+01
300	7.90E—01	8.21E+01	7.19E—01	3.62E—03	7.21E—03	1.64E+01
310	9.02E—01	8.37E+01	6.24E—01	2.91E—03	8.47E—03	1.48E+01
320	1.03E+00	8.51E+01	5.43E—01	2.34E—03	9.96E—03	1.34E+01
330	1.17E+00	8.63E+01	4.72E—01	1.88E—03	1.17E—02	1.21E+01
340	1.34E+00	8.73E+01	4.10E—01	1.52E—03	1.37E—02	1.09E+01
350	1.51E+00	8.83E+01	3.56E—01	1.22E—03	1.59E—02	9.82E+00
360	1.71E+00	8.91E+01	3.08E—01	9.78E—04	1.86E—02	8.84E+00
370	1.94E+00	8.98E+01	2.67E—01	7.85E—04	2.16E—02	7.95E+00
380	2.18E+00	9.04E+01	2.31E—01	6.30E—04	2.50E—02	7.14E+00
390	2.46E+00	9.09E+01	2.00E—01	5.05E—04	2.90E—02	6.42E+00
400	2.76E+00	9.13E+01	1.73E—01	4.05E—04	3.35E—02	5.76E+00
410	3.10E+00	9.16E+01	1.49E—01	3.25E—04	3.87E—02	5.16E+00
420	3.48E+00	9.17E+01	1.29E—01	2.60E—04	4.46E—02	4.62E+00
430	3.89E+00	9.18E+01	1.11E—01	2.08E—04	5.13E—02	4.14E+00
440	4.35E+00	9.18E+01	9.57E—02	1.67E—04	5.89E—02	3.70E+00
450	4.85E+00	9.17E+01	8.25E—02	1.33E—04	6.76E—02	3.31E+00
460	5.40E+00	9.15E+01	7.10E—02	1.07E—04	7.75E—02	2.96E+00
470	6.01E+00	9.12E+01	6.11E—02	8.54E—05	8.86E—02	2.64E+00
480	6.68E+00	9.08E+01	5.26E—02	6.82E—05	1.01E—01	2.36E+00
490	7.42E+00	9.03E+01	4.52E—02	5.45E—05	1.15E—01	2.10E+00
500	8.22E+00	8.97E+01	3.88E—02	4.36E—05	1.31E—01	1.87E+00
510	9.10E+00	8.91E+01	3.33E—02	3.48E—05	1.49E—01	1.67E+00
520	1.00E+01	8.83E+01	2.86E—02	2.77E—05	1.70E—01	1.48E+00
530	1.11E+01	8.74E+01	2.45E—02	2.21E—05	1.92E—01	1.32E+00
540	1.22E+01	8.64E+01	2.10E—02	1.76E—05	2.18E—01	1.17E+00
550	1.34E+01	8.53E+01	1.79E—02	1.40E—05	2.46E—01	1.04E+00
560	1.47E+01	8.41E+01	1.53E—02	1.12E—05	2.77E—01	9.17E—01
570	1.61E+01	8.27E+01	1.31E—02	8.87E—06	3.11E—01	8.11E—01
580	1.76E+01	8.13E+01	1.11E—02	7.04E—06	3.50E—01	7.16E—01
590	1.92E+01	7.97E+01	9.49E—03	5.58E—06	3.92E—01	6.32E—01
600	2.09E+01	7.81E+01	8.07E—03	4.42E—06	4.38E—01	5.56E—01

Продолжение табл. 5

z_{NN}	Hc/S, %	O/S, %	O_2/S, %	Ac/S, %	H/S, %	N_2/S, %
610	2.27E+01	7.63E+01	6.85E−03	3.50E−06	4.88E−01	4.89E−01
620	2.46E+01	7.44E+01	5.80E−03	2.76E−06	5.43E−01	4.29E−01
630	2.66E+01	7.24E+01	4.91E−03	2.18E−06	6.03E−01	3.76E−01
640	2.87E+01	7.03E+01	4.14E−03	1.72E−06	6.67E−01	3.29E−01
650	3.09E+01	6.81E+01	3.49E−03	1.35E−06	7.37E−01	2.87E−01
660	3.31E+01	6.58E+01	2.94E−03	1.06E−06	8.11E−01	2.50E−01
670	3.54E+01	6.35E+01	2.47E−03	8.29E−07	8.90E−01	2.17E−01
680	3.78E+01	6.10E+01	2.07E−03	6.48E−07	9.75E−01	1.88E−01
690	4.02E+01	5.86E+01	1.73E−03	5.06E−07	1.06E+00	1.63E−01
700	4.27E+01	5.60E+01	1.44E−03	3.94E−07	1.16E+00	1.41E−01
710	4.51E+01	5.35E+01	1.20E−03	3.06E−07	1.26E+00	1.21E−01
720	4.76E+01	5.09E+01	9.96E−04	2.37E−07	1.36E+00	1.04E−01
730	5.01E+01	4.84E+01	8.25E−04	1.84E−07	1.47E+00	8.93E−02
740	5.25E+01	4.58E+01	6.82E−04	1.42E−07	1.58E+00	7.64E−02
750	5.49E+01	4.33E+01	5.63E−04	1.10E−07	1.69E+00	6.52E−02
760	5.73E+01	4.08E+01	4.64E−04	8.43E−08	1.81E+00	5.55E−02
770	5.96E+01	3.84E+01	3.81E−04	6.48E−08	1.91E+00	4.72E−02
780	6.19E+01	3.60E+01	3.13E−04	4.97E−08	2.06E+00	4.01E−02
790	6.41E+01	3.37E+01	2.56E−04	3.81E−08	2.19E+00	3.39E−02
800	6.61E+01	3.15E+01	2.09E−04	2.91E−08	2.31E+00	2.87E−02

D—82; LAT—80, LON—45; LT—12, *F*—150, *FAV*—150; A_p—3; UT1—9

80	5.42E−04	1.16E−03	2.08E+01	9.19E−01	1.54E−05	7.82E+01
90	6.02E−04	2.93E−01	2.04E+01	8.90E−01	9.98E−05	7.84E+01
100	9.51E−04	3.26E+00	1.86E+01	7.64E−01	1.65E−04	7.74E+01
110	2.36E−03	9.45E+00	1.48E+01	5.10E−01	3.62E−04	7.52E+01
120	5.93E−03	1.65E+01	1.10E+01	3.58E−01	6.38E−04	7.22E+01
130	1.19E−02	2.21E+01	8.75E+00	2.56E−01	8.06E−04	6.89E+01
140	1.96E−02	2.66E+01	7.50E+00	1.94E−01	8.56E−04	6.57E+01
150	2.91E−02	3.04E+01	6.65E+00	1.51E−01	8.75E−04	6.27E+01
160	4.07E−02	3.41E+01	5.99E+00	1.21E−01	9.14E−04	5.98E+01
170	5.46E−02	3.75E+01	5.41E+00	9.83E−02	9.91E−04	5.69E+01
180	7.11E−02	4.08E+01	4.90E+00	8.05E−02	1.12E−03	5.41E+01
190	9.06E−02	4.41E+01	4.43E+00	6.64E−02	1.30E−03	5.13E+01
200	1.13E−01	4.73E+01	4.01E+00	5.49E−02	1.54E−03	4.86E+01
210	1.40E−01	5.04E+01	3.63E+00	4.55E−02	1.86E−03	4.58E+01
220	1.71E−01	5.34E+01	3.27E+00	3.77E−02	2.25E−03	4.31E+01
230	2.07E−01	5.64E+01	2.94E+00	3.13E−02	2.71E−03	4.04E+01
240	2.48E−01	5.93E+01	2.64E+00	2.59E−02	3.33E−03	3.78E+01
250	2.95E−01	6.21E+01	2.37E+00	2.14E−02	4.03E−03	3.52E+01
260	3.48E−01	6.48E+01	2.12E+00	1.77E−02	4.88E−03	3.28E+01
270	4.09E−01	6.73E+01	1.89E+00	1.46E−02	5.87E−03	3.01E+01
280	4.78E−01	6.97E+01	1.68E+00	1.20E−02	7.05E−03	2.81E+01
290	5.57E−01	7.20E+01	1.49E+00	9.87E−03	8.24E−03	2.59E+01
300	6.45E−01	7.42E+01	1.32E+00	8.09E−03	1.00E−02	2.38E+01

Продолжение табл. 5

z, км	Hc/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	7.48E—01	7.61E+01	1.17E+00	6.66E—03	1.20E—02	2.20E+01
320	8.59E—01	7.80E+01	1.03E+00	5.45E—03	1.41E—02	2.01E+01
330	9.83E—01	7.97E+01	9.08E—01	4.44E—03	1.66E—02	1.84E+01
340	1.12E+00	8.13E+01	7.98E—01	3.62E—03	1.95E—02	1.67E+01
350	1.28E+00	8.27E+01	7.00E—01	2.95E—03	2.28E—02	1.52E+01
360	1.45E+00	8.41E+01	6.13E—01	2.40E—03	2.67E—02	1.39E+01
370	1.64E+00	8.52E+01	5.36E—01	1.95E—03	3.10E—02	1.26E+01
380	1.86E+00	8.62E+01	4.68E—01	1.58E—03	3.61E—02	1.14E+01
390	2.10E+00	8.71E+01	4.09E—01	1.28E—03	4.18E—02	1.03E+01
400	2.36E+00	8.79E+01	3.56E—01	1.04E—03	4.84E—02	9.33E+00
410	2.65E+00	8.86E+01	3.10E—01	8.41E—04	5.59E—02	8.42E+00
420	2.98E+00	8.91E+01	2.70E—01	6.81E—04	6.44E—02	7.60E+00
430	3.33E+00	8.95E+01	2.35E—01	5.50E—04	7.42E—02	6.85E+00
440	3.73E+00	8.98E+01	2.04E—01	4.45E—04	8.52E—02	6.17E+00
450	4.16E+00	9.00E+01	1.77E—01	3.59E—04	9.77E—02	5.55E+00
460	4.64E+00	9.01E+01	1.53E—01	2.90E—04	1.12E—01	4.99E+00
470	5.16E+00	9.01E+01	1.33E—01	2.34E—04	1.28E—01	4.48E+00
480	5.74E+00	9.00E+01	1.15E—01	1.89E—04	1.46E—01	4.02E+00
490	6.37E+00	8.98E+01	9.96E—02	1.52E—04	1.66E—01	3.61E+00
500	7.06E+00	8.94E+01	8.62E—02	1.23E—04	1.89E—01	3.23E+00
510	7.81E+00	8.90E+01	7.45E—02	9.87E—05	2.15E—01	2.89E+00
520	8.63E+00	8.85E+01	6.43E—02	7.94E—05	2.44E—01	2.59E+00
530	9.52E+00	8.78E+01	5.55E—02	6.39E—05	2.76E—01	2.31E+00
540	1.05E+01	8.71E+01	4.78E—02	5.14E—05	3.13E—01	2.06E+00
550	1.15E+01	8.62E+01	4.12E—02	4.12E—05	3.53E—01	1.84E+00
560	1.26E+01	8.53E+01	3.54E—02	3.31E—05	3.97E—01	1.64E+00
570	1.39E+01	8.42E+01	3.05E—02	2.65E—05	4.47E—01	1.46E+00
580	1.52E+01	8.30E+01	2.61E—02	2.13E—05	5.02E—01	1.30E+00
590	1.65E+01	8.17E+01	2.24E—02	1.70E—05	5.62E—01	1.15E+00
600	1.80E+01	8.03E+01	1.92E—02	1.36E—05	6.28E—01	1.02E+00
610	1.96E+01	7.88E+01	1.64E—02	1.09E—05	7.01E—01	9.03E—01
620	2.13E+01	7.71E+01	1.40E—02	8.66E—06	7.80E—01	7.98E—01
630	2.30E+01	7.54E+01	1.20E—02	6.90E—06	8.67E—01	7.04E—01
640	2.49E+01	7.35E+01	1.02E—02	5.49E—06	9.60E—01	6.20E—01
650	2.68E+01	7.16E+01	8.65E—03	4.36E—06	1.06E+00	5.45E—01
660	2.88E+01	6.95E+01	7.34E—03	3.46E—06	1.17E+00	4.79E—01
670	3.09E+01	6.74E+01	6.22E—03	2.74E—06	1.29E+00	4.19E—01
680	3.30E+01	6.52E+01	5.26E—03	2.16E—06	1.41E+00	3.66E—01
690	3.53E+01	6.29E+01	4.44E—03	1.71E—06	1.54E+00	3.20E—01
700	3.75E+01	6.05E+01	3.73E—03	1.34E—06	1.69E+00	2.78E—01
710	3.98E+01	5.81E+01	3.14E—03	1.06E—06	1.83E+00	2.42E—01
720	4.21E+01	5.57E+01	2.63E—03	8.30E—07	1.99E+00	2.10E—01
730	4.45E+01	5.32E+01	2.20E—03	6.50E—07	2.15E+00	1.81E—01
740	4.68E+01	5.07E+01	1.84E—03	5.08E—07	2.32E+00	1.57E—01
750	4.91E+01	4.82E+01	1.53E—03	3.96E—07	2.50E+00	1.35E—01
760	5.15E+01	4.57E+01	1.28E—03	3.09E—07	2.68E+00	1.16E—01
770	5.37E+01	4.33E+01	1.06E—03	2.40E—07	2.87E+00	9.95E—02
780	5.60E+01	4.09E+01	8.78E—04	1.86E—07	3.06E+00	8.52E—02
790	5.81E+01	3.85E+01	7.26E—04	1.44E—07	3.26E+00	7.28E—02
800	6.03E+01	3.62E+01	5.99E—04	1.12E—07	3.46E+00	6.21E—02

Таблица 6

Широтные вариации состава при высокой солнечной активности для условий весеннего равноденствия в северном и осеннего в южном полушариях

z, км	H_2/S, *	O/S, *	O_2/S, *	Ar^+S, *	H/S, *	N_2/S, *
	D—82, LAT—0, LON—45 UT—12, F—200; FAV—200, A_p—3; UTI—9					
80	5.54E—04	1.33E—03	2.08E+01	8.95E—01	1.45E—05	7.84E+01
90	6.16E—04	3.41E—01	2.02E+01	8.58E—01	8.85E—05	7.86E+01
100	9.55E—04	3.84E+00	1.78E+01	7.26E—01	1.28E—04	7.77E+01
110	2.47E—03	1.18E+01	1.27E+01	4.71E—01	2.80E—04	7.50E+01
120	5.25E—03	2.03E+01	8.32E+00	3.05E—01	3.85E—04	7.11E+01
130	1.04E—02	2.63E+01	6.17E+00	2.18E—01	3.78E—04	6.73E+01
140	1.86E—02	3.12E+01	5.10E+00	1.61E—01	3.53E—04	6.35E+01
150	2.81E—02	3.57E+01	4.42E+00	1.22E—01	3.41E—04	5.98E+01
160	3.93E—02	3.99E+01	3.91E+00	9.44E—02	3.45E—04	5.60E+01
170	5.25E—02	4.39E+01	3.47E+00	7.45E—02	3.67E—04	5.25E+01
180	6.78E—02	4.77E+01	3.09E+00	5.97E—02	4.07E—04	4.91E+01
190	8.60E—02	5.13E+01	2.75E+00	4.82E—02	4.69E—04	4.58E+01
200	1.06E—01	5.47E+01	2.46E+00	3.93E—02	5.49E—04	4.27E+01
210	1.29E—01	5.79E+01	**2.19E+00**	3.23E—02	6.49E—04	3.97E+01
220	1.55E—01	6.09E+01	1.96E+00	2.66E—02	7.70E—04	3.70E+01
230	1.83E—01	6.37E+01	1.75E+00	2.20E—02	9.15E—04	3.43E+01
240	2.15E—01	6.63E+01	1.57E+00	1.82E—02	1.09E—03	3.19E+01
250	2.50E—01	6.88E+01	1.40E+00	1.51E—02	1.28E—03	2.95E+01
260	2.89E—01	7.11E+01	1.25E+00	1.26E—02	1.51E—03	2.73E+01
270	3.32E—01	7.33E+01	1.12E+00	1.05E—02	1.78E—03	**2.53E+01**
280	3.79E—01	7.52E+01	9.96E—01	8.71E—03	2.08E—03	2.34E+01
290	4.32E—01	7.71E+01	8.88E—01	7.26E—03	2.42E—03	2.16E+01
300	4.89E—01	7.88E+01	7.92E—01	6.04E—03	2.81E—03	1.99E+01
310	5.50E—01	8.05E+01	7.03E—01	**5.02E—03**	3.24E—03	1.83E+01
320	6.20E—01	8.19E+01	6.26E—01	4.18E—03	3.74E—03	1.68E+01
330	6.97E—01	8.33E+01	5.57E—01	3.48E—03	4.31E—03	1.55E+01
340	7.82E—01	8.45E+01	4.95E—01	2.89E—03	1.96E—03	1.42E+01
350	8.76E—01	8.56E+01	4.39E—01	2.40E—03	5.69E—03	1.30E+01
360	9.79E—01	8.67E+01	3.90E—01	2.00E—03	6.52E—03	1.20E+01
370	1.09E+00	8.76E+01	3.46E—01	1.66E—03	7.45E—03	1.10E+01
380	1.22E+00	8.84E+01	3.06E—01	1.37E—03	8.51E—03	1.00E+01
390	1.35E+00	8.92E+01	2.71E—01	1.14E—03	9.69E—03	9.17E+00
400	1.53E+00	8.99E+01	2.36E—01	9.25E—04	1.13E—02	8.30E+00
410	1.70E+00	9.05E+01	2.09E—01	7.67E—04	1.28E—02	7.58E+00
420	1.88E+00	9.12E+01	1.85E—01	6.36E—04	1.46E—02	6.92E+00
430	2.09E+00	9.14E+01	1.64E—01	5.27E—04	1.65E—02	6.31E+00
440	2.30E+00	9.18E+01	1.44E—01	4.36E—04	1.87E—02	5.76E+00
450	2.54E+00	9.21E+01	1.27E—01	3.61E—04	2.11E—02	5.25E+00
460	2.81E+00	9.23E+01	1.12E—01	2.99E—04	2.39E—02	4.78E+00
470	3.09E+00	9.24E+01	9.92E—02	2.48E—04	2.69E—02	4.35E+00
480	3.40E+00	9.25E+01	8.75E—02	2.05E—04	3.03E—02	3.96E+00
490	3.74E+00	9.25E+01	7.71E—02	1.70E—04	3.42E—02	3.61E+00
500	4.11E+00	9.25E+01	6.80E—02	1.41E—04	3.84E—02	3.28E+00

Продолжение табл. 6

Z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	4.51E+00	9.24E+01	5.99E−02	1.16E−04	4.32E−02	2.98E+00
520	4.94E+00	9.22E+01	5.28E−02	9.64E−05	4.85E−02	2.71E+00
530	5.42E+00	9.20E+01	4.65E−02	7.97E−05	5.43E−02	2.46E+00
540	5.93E+00	9.17E+01	4.09E−02	6.60E−05	6.08E−02	2.24E+00
550	6.48E+00	9.14E+01	3.60E−02	5.46E−05	6.81E−02	2.03E+00
560	7.07E+00	9.10E+01	3.17E−02	4.51E−05	7.61E−02	1.84E+00
570	7.72E+00	9.05E+01	2.79E−02	3.73E−05	8.50E−02	1.67E+00
580	8.41E+00	9.00E+01	2.45E−02	3.09E−05	9.47E−02	1.52E+00
590	9.16E+00	8.93E+01	2.15E−02	2.55E−05	1.06E−01	1.37E+00
600	9.96E+00	8.87E+01	1.89E−02	2.11E−05	1.17E−01	1.24E+00
610	1.08E+01	8.79E+01	1.66E−02	1.74E−05	1.31E−01	1.13E+00
620	1.17E+01	8.71E+01	1.46E−02	1.44E−05	1.45E−01	1.02E+00
630	1.27E+01	8.62E+01	1.28E−02	1.19E−05	1.61E−01	9.20E−01
640	1.38E+01	8.52E+01	1.12E−02	9.79E−06	1.78E−01	8.31E−01
650	1.49E+01	8.42E+01	9.80E−03	8.07E−06	1.97E−01	7.50E−01
660	1.61E+01	8.30E+01	8.58E−03	6.65E−06	2.17E−01	6.76E−01
670	1.73E+01	8.18E+01	7.50E−03	5.48E−06	2.39E−01	6.09E−01
680	1.86E+01	8.05E+01	6.55E−03	4.51E−06	2.63E−01	5.48E−01
690	2.00E+01	7.92E+01	5.72E−03	3.71E−06	2.90E−01	4.93E−01
700	2.15E+01	7.77E+01	4.99E−03	3.05E−06	**3.18E−01**	4.43E−01
710	2.30E+01	7.62E+01	4.34E−03	2.50E−06	**3.48E−01**	3.97E−01
720	2.46E+01	7.46E+01	3.78E−03	2.05E−06	3.81E−01	3.56E−01
730	2.63E+01	7.29E+01	3.28E−03	1.68E−06	4.15E−01	3.19E−01
740	2.81E+01	7.12E+01	2.85E−03	1.38E−06	4.53E−01	2.85E−01
750	2.98E+01	6.94E+01	2.47E−03	1.13E−06	4.92E−01	2.54E−01
760	3.17E+01	6.75E+01	2.14E−03	9.20E−07	5.34E−01	**2.27E−01**
770	3.36E+01	6.56E+01	1.85E−03	7.51E−07	5.79E−01	2.02E−01
780	3.56E+01	6.36E+01	1.60E−03	6.12E−07	6.26E−01	1.79E−01
790	3.75E+01	6.16E+01	1.38E−03	4.98E−07	6.76E−01	1.59E−01
800	3.96E+01	5.96E+01	1.19E−03	4.05E−07	7.28E−01	1.41E−01

D- 82; LAT—40; LON—45; LT –12; *F*- 200, $F\Delta V$—200; A_p –3; UT1 –9

80	5.41E−04	1.35E−03	2.08E+01	8.83E−01	1.42E−05	7.84E+01
90	6.07E−04	3.50E−01	2.01E+01	8.35E−01	8.91E−05	7.87E+01
100	9.58E−04	3.98E+00	1.75E+01	6.91E−01	1.39E−04	7.78E+01
110	2.26E−03	1.19E+01	1.23E+01	4.54E−01	2.79E−04	7.53E+01
120	4.79E−03	2.02E+01	7.87E+00	2.92E−01	3.82E−04	7.16E+01
130	1.01E−02	2.61E+01	5.72E+00	2.05E−01	3.76E−04	6.80E+01
140	1.88E−02	3.09E+01	4.70E+00	1.49E−01	3.54E−04	6.42E+01
150	2.85E−02	3.54E+01	4.07E+00	1.10E−01	3.44E−04	6.04E+01
160	4.00E−02	3.97E+01	3.58E+00	8.40E−02	3.54E−04	5.65E+01
170	5.37E−02	4.39E+01	3.17E+00	6.53E−02	3.83E−04	5.28E+01
180	6.99E−02	4.79E+01	2.81E+00	5.17E−02	4.32E−04	4.92E+01
190	8.93E−02	5.17E+01	2.49E+00	4.12E−02	5.04E−04	4.57E+01
200	1.11E−01	5.52E+01	2.21E+00	3.33E−02	5.96E−04	4.24E+01

Продолжение табл. 6

z, км	H/S, %	O/S, %	O_3/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.35E—01	5.85E+01	1.96E+00	2.71E—02	7.10E—04	3.93E+01
220	1.63E—01	6.16E+01	1.74E+00	2.21E—02	8.49E—04	3.64E+01
230	1.94E—01	6.45E+01	1.55E+00	1.82E—02	1.01E—03	3.37E+01
240	2.28E—01	6.72E+01	1.38E+00	1.50E—02	1.21E—03	3.12E+01
250	2.66E—01	6.97E+01	1.23E+00	1.24E—02	1.43E—03	2.88E+01
260	3.08E—01	7.20E+01	1.09E+00	1.02E—02	1.69E—03	2.66E+01
270	3.54E—01	7.42E+01	9.71E—01	8.46E—03	1.99E—03	2.45E+01
280	4.05E—01	7.61E+01	8.64E—01	7.01E—03	2.33E—03	2.26E+01
290	4.61E—01	7.80E+01	7.68E—01	5.82E—03	2.72E—03	2.08E+01
300	5.22E—01	7.96E+01	6.83E—01	4.83E—03	3.16E—03	1.91E+01
310	5.86E—01	8.13E+01	6.04E—01	3.99E—03	3.63E—03	1.75E+01
320	6.61E—01	8.27E+01	5.37E—01	3.31E—03	4.20E—03	1.61E+01
330	7.43E—01	8.40E+01	4.77E—01	2.75E—03	4.84E—03	1.48E+01
340	8.34E—01	8.52E+01	4.23E—01	2.28E—03	5.57E—03	1.36E+01
350	9.34E—01	8.63E+01	3.75E—01	1.89E—03	6.39E—03	1.24E+01
360	1.04E+00	8.72E+01	3.32E—01	1.57E—03	7.33E—03	1.14E+01
370	1.17E+00	8.81E+01	2.94E—01	1.30E—03	8.38E—03	1.04E+01
380	1.30E+00	8.89E+01	2.60E—01	1.07E—03	9.57E—03	9.51E+00
390	1.44E+00	8.96E+01	2.30E—01	8.90E—04	1.09E—02	8.69E+00
400	1.62E+00	9.03E+01	2.02E—01	7.29E—04	1.26E—02	7.89E+00
410	1.80E+00	9.08E+01	1.78E—01	6.03E—04	1.43E—02	7.20E+00
420	1.99E+00	9.13E+01	1.57E—01	4.99E—04	1.62E—02	6.57E+00
430	2.20E+00	9.17E+01	1.39E—01	4.13E—04	1.84E—02	5.98E+00
440	2.44E+00	9.20E+01	1.22E—01	3.41E—04	2.08E—02	5.45E+00
450	2.69E+00	9.22E+01	1.08E—01	2.82E—04	2.35E—02	4.96E+00
460	2.97E+00	9.24E+01	9.50E—02	2.33E—04	2.66E—02	4.52E+00
470	3.27E+00	9.25E+01	8.37E—02	1.93E—04	3.00E—02	4.11E+00
480	3.60E+00	9.26E+01	7.37E—02	1.59E—04	3.39E—02	3.73E+00
490	3.96E+00	9.25E+01	6.49E—02	1.32E—04	3.81E—02	3.39E+00
500	4.35E+00	9.25E+01	5.71E—02	1.09E—04	4.29E—02	3.08E+00
510	4.78E+00	9.23E+01	5.03E—02	8.98E—05	4.82E—02	2.80E+00
520	5.24E+00	9.21E+01	4.42E—02	7.42E—05	5.42E—02	2.54E+00
530	5.74E+00	9.19E+01	3.89E—02	6.13E—05	6.08E—02	2.31E+00
540	6.28E+00	9.15E+01	3.42E—02	5.06E—05	6.81E—02	2.09E+00
550	6.87E+00	9.11E+01	3.00E—02	4.18E—05	7.62E—02	1.90E+00
560	7.50E+00	9.07E+01	2.64E—02	3.45E—05	8.52E—02	1.72E+00
570	8.19E+00	9.01E+01	2.32E—02	2.85E—05	9.52E—02	1.56E+00
580	8.92E+00	8.95E+01	2.03E—02	2.35E—05	1.06E—01	1.41E+00
590	9.72E+00	8.89E+01	1.78E—02	1.94E—05	1.18E—01	1.28E+00
600	1.06E+01	8.81E+01	1.56E—02	1.60E—05	1.32E—01	1.15E+00
610	1.15E+01	8.73E+01	1.37E—02	1.32E—05	1.46E—01	1.04E+00
620	1.25E+01	8.64E+01	1.20E—02	1.08E—05	1.62E—01	9.42E—01
630	1.35E+01	8.55E+01	1.05E—02	8.93E—06	1.80E—01	8.50E—01
640	1.46E+01	8.44E+01	9.20E—03	7.35E—06	1.99E—01	7.66E—01
650	1.58E+01	8.33E+01	8.04E—03	6.05E—06	2.20E—01	6.90E—01
660	1.70E+01	8.21E+01	7.02E—03	4.97E—06	2.43E—01	6.21E—01
670	1.84E+01	8.08E+01	6.12E—03	4.08E—06	2.68E—01	5.59E—01
680	1.97E+01	7.95E+01	5.34E—03	3.35E—06	2.95E—01	5.02E—01
690	2.12E+01	7.80E+01	4.65E—03	2.75E—06	3.24E—01	4.50E—01
700	2.27E+01	7.65E+01	4.04E—03	2.25E—06	3.56E—01	4.04E—01

Продолжение табл. 6

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	2.44E+01	7.49E+01	3.52E—03	1.84E—06	3.90E—01	3.62E—01
720	2.60E+01	7.32E+01	3.05E—03	1.51E—06	4.26E—01	3.23E—01
730	2.78E+01	7.15E+01	2.65E—03	1.23E—06	4.64E—01	2.89E—01
740	2.96E+01	6.97E+01	2.29E—03	1.01E—06	5.06E—01	2.58E—01
750	3.14E+01	6.78E+01	1.98E—03	8.20E—07	5.50E—01	2.29E—01
760	3.34E+01	6.58E+01	1.71E—03	6.68E—07	5.96E—01	2.04E—01
770	3.53E+01	6.38E+01	1.48E—03	5.43E—07	6.45E—01	1.81E—01
780	3.73E+01	6.18E+01	1.27E—03	4.41E—07	6.97E—01	1.61E—01
790	3.94E+01	5.97E+01	1.09E—03	3.58E—07	7.51E—01	1.42E—01
800	4.14E+01	5.76E+01	9.39E—04	2.90E—07	8.08E—01	1.26E—01
	D—82; LAT—80; LON—45; LT—12; *F*—200; *FΔV*—200; A_p—3, UTI—9					
80	5.37E—04	1.28E—03	2.08E+01	9.19E—01	1.28E—05	7.83E+01
90	5.90E—04	3.28E—01	2.02E+01	8.93E—01	7.73E—05	7.85E+01
100	9.56E—04	3.74E+00	1.78E+01	7.62E—01	1.27E—04	7.77E+01
110	2.39E—03	1.09E+01	1.31E+01	5.41E—01	2.51E—04	7.51E+01
120	6.02E—03	1.89E+01	8.77E+00	3.62E—01	3.83E—04	7.20E+01
130	1.31E—02	2.51E+01	6.48E+00	2.60E—01	4.17E—04	6.82E+01
140	2.36E—02	2.99E+01	5.38E+00	1.97E—01	3.81E—04	6.45E+01
150	3.45E—02	3.40E+01	4.72E+00	1.55E—01	3.42E—04	6.11E+01
160	4.68E—02	3.78E+01	4.22E+00	1.24E—01	3.20E—04	5.78E+01
170	6.10E—02	4.14E+01	3.80E+00	1.01E—01	3.18E—04	5.46E+01
180	7.73E—02	4.48E+01	3.43E+00	8.32E—02	3.34E—04	5.16E+01
190	9.59E—02	4.81E+01	3.10E+00	6.89E—02	3.66E—04	4.86E+01
200	1.17E—01	5.13E+01	2.80E+00	5.72E—02	4.15E—04	4.57E+01
210	1.41E—01	5.43E+01	2.52E+00	4.76E—02	4.80E—04	4.29E+01
220	1.68E—01	5.73E+01	2.27E+00	3.97E—02	5.63E—04	4.02E+01
230	1.99E—01	6.01E+01	2.05E+00	3.31E—02	6.61E—04	3.76E+01
240	2.34E—01	6.28E+01	1.84E+00	2.76E—02	7.86E—04	3.51E+01
250	2.72E—01	6.54E+01	1.65E+00	2.30E—02	9.41E—04	3.27E+01
260	3.16E—01	6.78E+01	1.48E+00	1.92E—02	1.10E—03	3.03E+01
270	3.65E—01	7.02E+01	1.32E+00	1.59E—02	1.30E—03	2.81E+01
280	4.20E—01	7.23E+01	1.18E+00	1.33E—02	1.53E—03	2.60E+01
290	4.81E—01	7.41E+01	1.05E+00	1.10E—02	1.79E—03	2.41E+01
300	5.49E—01	7.63E+01	9.37E—01	9.13E—03	2.10E—03	2.22E+01
310	6.24E—01	7.81E+01	8.32E—01	7.56E—03	2.44E—03	2.04E+01
320	7.08E—01	7.98E+01	7.39E—01	6.26E—03	2.85E—03	1.88E+01
330	8.02E—01	8.13E+01	6.55E—01	5.18E—03	3.30E—03	1.72E+01
340	9.05E—01	8.27E+01	5.80E—01	4.28E—03	3.83E—03	1.58E+01
350	1.02E+00	8.40E+01	5.13E—01	3.54E—03	4.47E—03	1.45E+01
360	1.15E+00	8.52E+01	4.54E—01	2.92E—03	5.21E—03	1.32E+01
370	1.29E+00	8.62E+01	4.01E—01	2.41E—03	5.87E—03	1.21E+01
380	1.41E+00	8.72E+01	3.53E—01	1.98E—03	6.75E—03	1.10E+01
390	1.61E+00	8.80E+01	3.12E—01	1.63E—03	7.74E—03	1.01E+01
400	1.80E+00	8.87E+01	2.74E—01	1.34E—03	8.86E—03	9.17E+00

Продолжение табл. 6

z, км	Hc/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	2.90E+00	8.94E−01	2.42E−01	1.11E−03	1.01E−02	8.35E+00
420	2.23E−00	8.99E+01	2.13E−01	9.10E−04	1.16E−02	7.60E+00
430	2.48E+00	9.04E+01	1.87E−01	7.48E−04	1.32E−02	6.91E+00
440	2.75E+00	9.08E+01	1.64E−01	6.15E−04	1.50E−02	6.28E+00
450	3.05E+00	9.11E+01	1.44E−01	5.05E−04	1.71E−02	5.70E+00
460	3.38E+00	9.13E+01	1.27E−01	4.15E−04	1.94E−02	5.17E+00
470	3.74E+00	9.14E+01	1.11E−01	3.41E−04	2.20E−02	4.69E+00
480	4.13E+00	9.15E+01	9.71E−02	2.80E−04	2.49E−02	4.25E+00
490	4.56E+00	9.15E+01	8.54E−02	2.30E−04	2.81E−02	3.85E+00
500	5.02E+00	9.14E+01	7.48E−02	1.89E−04	3.18E−02	3.49E+00
510	5.53E+00	9.12E+01	6.55E−02	1.55E−04	3.58E−02	3.15E+00
520	6.08E+00	9.10E+01	5.74E−02	1.27E−01	4.01E−02	2.85E+00
530	6.68E+00	9.06E+01	5.02E−02	1.01E−01	4.55E−02	2.58E+00
540	7.33E+00	9.02E+01	4.39E−02	8.53E−05	5.11E−02	2.33E+00
550	8.03E+00	8.98E+01	3.84E−02	6.99E−05	5.74E−02	2.10E+00
560	8.79E+00	8.92E+01	3.35E−02	5.72E−05	6.43E−02	1.90E+00
570	9.61E+00	8.86E+01	2.93E−02	4.69E−05	7.21E−02	1.71E+00
580	1.05E+01	8.79E+01	2.55E−02	3.81E−05	8.06E−02	1.54E+00
590	1.14E+01	8.71E+01	2.23E−02	3.11E−05	9.00E−02	1.39E+00
600	1.25E+01	8.62E+01	1.94E−02	2.57E−05	1.00E−01	1.25E+00
610	1.36E+01	8.52E+01	1.69E−02	2.10E−05	1.12E−01	1.12E+00
620	1.47E+01	8.41E+01	1.47E−02	1.71E−05	1.24E−01	1.01E+00
630	1.60E+01	8.30E+01	1.28E−02	1.40E−05	1.38E−01	9.07E−01
640	1.73E+01	8.17E+01	1.11E−02	1.14E−05	1.53E−01	8.11E−01
650	1.87E+01	8.04E+01	9.64E−03	9.29E−06	1.69E−01	7.26E−01
660	2.01E+01	7.90E+01	8.35E−03	7.57E−06	1.87E−01	6.49E−01
670	2.17E+01	7.75E+01	7.23E−03	6.15E−06	2.06E−01	5.80E−01
680	2.33E+01	7.59E+01	6.25E−03	5.00E−06	2.27E−01	5.17E−01
690	2.51E+01	7.42E+01	5.40E−03	4.06E−06	2.49E−01	4.61E−01
700	2.68E+01	7.25E+01	4.66E−01	3.29E−06	2.71E−01	4.10E−01
710	2.87E+01	7.06E+01	4.02E−03	2.67E−06	2.99E−01	3.65E−01
720	3.06E+01	6.87E+01	3.45E−03	2.16E−06	3.27E−01	3.23E−01
730	3.26E+01	6.68E+01	2.97E−03	1.74E−06	3.56E−01	2.86E−01
740	3.46E+01	6.47E+01	2.55E−03	1.41E−06	3.87E−01	2.53E−01
750	3.67E+01	6.26E+01	2.18E−03	1.13E−06	4.20E−01	2.24E−01
760	3.89E+01	6.05E+01	1.86E−03	9.12E−07	4.55E−01	1.97E−01
770	4.10E+01	5.83E+01	1.59E−03	7.33E−07	4.91E−01	1.74E−01
780	4.32E+01	5.61E+01	1.36E−03	5.88E−07	5.29E−01	1.53E−01
790	4.51E+01	5.39E+01	1.15E−03	4.71E−07	5.69E−01	1.34E−01
800	4.77E+01	5.16E+01	9.81E−04	3.77E−07	6.10E−01	1.17E−01

D– 82; LAT–40; LON—45; LT– 12; *F*– 200; *FΔV*—200; A_p– 3; UTI–9

80	5.13E−04	1.37E−03	2.08E+01	8.93E−01	1.38E−05	7.83E+01
90	6.09E−04	3.55E−01	2.02E+01	8.49E−01	8.52E−05	7.85E+01
100	9.52E−01	4.02E+00	1.79E+01	7.10E−01	1.27E−04	7.74E+01

Продолжение табл. 6

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.29E—03	1.21E+01	1.31E+01	4.67E—01	2.54E—04	7.44E+01
120	5.00E—03	2.06E+01	8.83E+00	3.00E—01	3.47E—04	7.03E+01
130	1.10E—02	2.67E+01	6.66E+00	2.13E—01	3.35E—04	6.64E+01
140	2.09E—02	3.17E+01	5.55E+00	1.56E—01	3.07E—04	6.26E+01
150	3.18E—02	3.63E+01	4.81E+00	1.17E—01	2.93E—04	5.87E+01
160	4.45E—02	4.08E+01	4.23E+00	8.93E—02	2.96E—04	5.48E+01
170	5.97E—02	4.50E+01	3.74E+00	6.96E—02	3.15E—04	5.11E+01
180	7.75E—02	4.91E+01	3.30E+00	5.52E—02	3.50E—04	4.75E+01
190	9.88E—02	5.29E+01	2.92E+00	4.40E—02	4.05E—04	4.40E+01
200	1.23E—01	5.65E+01	2.58E+00	3.55E—02	4.76E—04	4.08E+01
210	1.49E—01	5.98E+01	2.29E+00	2.88E—02	5.64E—04	3.77E+01
220	1.79E—01	6.29E+01	2.03E+00	2.35E—02	6.72E—04	3.48E+01
230	2.13E—01	6.58E+01	1.80E+00	1.93E—02	8.00E—04	3.22E+01
240	2.50E—01	6.84E+01	1.60E+00	1.58E—02	9.51E—04	2.97E+01
250	2.91E—01	7.09E+01	1.42E+00	1.30E—02	1.13E—03	2.74E+01
260	3.36E—01	7.32E+01	1.26E+00	1.08E—02	1.33E—03	2.52E+01
270	3.86E—01	7.53E+01	1.12E+00	8.90E—03	1.56E—03	2.32E+01
280	4.41E—01	7.72E+01	9.97E—01	7.37E—03	1.82E—03	2.14E+01
290	5.01E—01	7.90E+01	8.85E—01	6.10E—03	2.12E—03	1.97E+01
300	5.66E—01	8.06E+01	7.86E—01	5.06E—03	2.46E—03	1.81E+01
310	6.35E—01	8.22E+01	6.94E—01	4.18E—03	2.82E—03	1.65E+01
320	7.15E—01	8.35E+01	6.16E—01	3.47E—03	3.26E—03	1.52E+01
330	8.03E—01	8.47E+01	5.47E—01	2.87E—03	3.75E—03	1.39E—01
340	9.00E—01	8.59E+01	4.85E—01	2.38E—03	4.31E—03	1.27E+01
350	1.01E+00	8.69E+01	4.29E—01	1.97E—03	4.94E—03	1.17E+01
360	1.13E+00	8.78E+01	3.80E—01	1.63E—03	5.66E—03	1.07E+01
370	1.25E+00	8.86E+01	3.36E—01	1.35E—03	6.47E—03	9.76E+00
380	1.40E+00	8.94E+01	2.97E—01	1.12E—03	7.38E—03	8.91E+00
390	1.55E+00	9.00E+01	2.62E—01	9.26E—04	8.41E—03	8.13E+00
400	1.71E+00	9.06E+01	2.33E—01	7.73E—04	9.48E—03	7.45E+00
410	1.90E+00	9.11E+01	2.06E—01	6.39E—04	1.08E—02	6.80E+00
420	2.10E+00	9.15E+01	1.81E—01	5.28E—04	1.22E—02	6.19E+00
430	2.32E+00	9.19E+01	1.60E—01	4.37E—04	1.39E—02	5.64E+00
440	2.57E+00	9.21E+01	1.41E—01	3.61E—04	1.57E—02	5.14E+00
450	2.84E+00	9.23E+01	1.24E—01	2.98E—04	1.77E—02	4.68E+00
460	3.13E+00	9.25E+01	1.09E—01	2.46E—04	2.00E—02	4.25E+00
470	3.44E+00	9.26E+01	9.64E—02	2.04E—04	2.26E—02	3.87E+00
480	3.79E+00	9.26E+01	8.49E—02	1.68E—04	2.55E—02	3.52E+00
490	4.17E+00	9.25E+01	7.47E—02	1.39E—04	2.87E—02	3.19E+00
500	4.58E+00	9.24E+01	6.58E—02	1.15E—04	3.23E—02	2.90E+00
510	5.02E+00	9.22E+01	5.78E—02	9.48E—05	3.63E—02	2.63E+00
520	5.51E+00	9.20E+01	5.09E—02	7.83E—05	4.07E—02	2.39E+00
530	6.03E+00	9.17E+01	4.47E—02	6.46E—05	4.57E—02	2.17E+00
540	6.60E+00	9.13E+01	3.93E—02	5.33E—05	5.12E—02	1.97E+00
550	7.21E+00	9.09E+01	3.45E—02	4.40E—05	5.72E—02	1.78E+00
560	7.88E+00	9.04E+01	3.03E—02	3.63E—05	6.40E—02	1.61E+00
570	8.59E+00	8.99E+01	2.66E—02	3.00E—05	7.14E—02	1.46E+00
580	9.36E+00	8.92E+01	2.33E—02	2.47E—05	7.96E—02	1.32E+00
590	1.02E+01	8.85E+01	2.05E—02	2.04E—05	8.87E—02	1.20E+00
600	1.11E+01	8.77E+01	1.79E—02	1.68E—05	9.87E—02	1.08E+00

Продолжение табл. 6

z, км	Hv/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	1.20E+01	8.69E+01	1.57E−02	1.38E−05	1.10E−01	9.77E−01
620	1.30E+01	8.59E+01	1.38E−02	1.14E−05	1.22E−01	8.81E−01
630	1.41E+01	8.49E+01	1.20E−02	9.38E−06	1.35E−01	7.95E−01
640	1.53E+01	8.39E+01	1.05E−02	7.71E−06	1.49E−01	7.16E−01
650	1.65E+01	8.27E+01	9.19E−03	6.34E−06	1.65E−01	6.45E−01
660	1.78E+01	8.14E+01	8.02E−03	5.21E−06	1.82E−01	5.80E−01
670	1.91E+01	8.01E+01	6.99E−03	4.28E−06	2.00E−01	5.21E−01
680	2.06E+01	7.87E+01	6.09E−03	3.51E−06	2.20E−01	4.68E−01
690	2.21E+01	7.72E+01	5.30E−03	2.88E−06	2.42E−01	4.20E−01
700	2.37E+01	7.57E+01	4.61E−03	2.35E−06	2.65E−01	3.76E−01
710	2.53E+01	7.40E+01	4.00E−03	1.93E−06	2.90E−01	3.36E−01
720	2.71E+01	7.23E+01	3.47E−03	1.57E−06	3.16E−01	3.01E−01
730	2.88E+01	7.05E+01	3.01E−03	1.29E−06	3.45E−01	2.68E−01
740	3.07E+01	6.87E+01	2.60E−03	1.05E−06	3.75E−01	2.39E−01
750	3.26E+01	6.68E+01	2.25E−03	8.54E−07	4.07E−01	2.13E−01
760	3.46E+01	6.48E+01	1.94E−03	6.95E−07	4.41E−01	1.89E−01
770	3.66E+01	6.28E+01	1.67E−03	5.65E−07	4.77E−01	1.68E−01
780	3.86E+01	6.07E+01	1.44E−03	4.58E−07	5.15E−01	1.49E−01
790	4.07E+01	5.86E+01	1.24E−03	3.72E−07	5.55E−01	1.31E−01
800	4.28E+01	5.65E+01	1.06E−03	3.01E−07	5.96E−01	1.16E−01

D 82, LAT 80; LON—45; LT 12, *F*—200; *FAV* 200; *A*, 3; UTI –9

80	5.44E 04	1.21E 03	2.08E+01	9.17E−01	1.10E−05	7.83E+01
90	6.03E−04	3.06E−01	2.04E+01	8.88E 01	8.69E−05	7.84E−01
100	9.52E −01	3.43E−00	1.84E+01	7.61E 01	1.36E 04	7.75E+01
110	2.39E 03	9.99E+00	1.43E+01	5.35E 01	2.84E −04	7.52E+01
120	6.02E−03	1.71E+01	1.03E+01	3.55E 01	1.64E−04	7.19E+01
130	1.29E−02	2.32E+01	8.04E+00	2.55E 01	5.31E 04	6.85E+01
140	1.94E 02	2.76E+01	6.86E+00	1.95E 01	5.15E −04	6.53E+01
150	2.81E 02	3.14E+01	6.10E+00	1.51E 01	4.83E −04	6.24E+01
160	3.84E 02	3.48E+01	5.52E+00	1.21E−01	4.69E−04	5.95E+01
170	5.03E 02	3.81E+01	5.02E 00	1.03E 01	1.78E−04	5.68E+01
180	6.41E−02	4.12E+01	4.57E+00	8.56E−02	5.12E−04	5.41E+01
190	8.00E−02	4.42E+01	4.17E+00	7.17E−02	5.71E 04	5.15E+01
200	9.81E 02	4.71E+01	3.81E+00	6.03E 02	6.54E 01	4.89E+01
210	1.19E −01	5.00E+01	3.47E+00	5.09E−02	7.64E−04	4.63E+01
220	1.42E 01	5.28E+01	3.16E+00	4.30E 02	9.00E −04	4.38E+01
230	1.69E 01	5.55E+01	2.88E 00	3.63E 02	1.07E 03	4.14E+01
240	1.99E−01	5.82E+01	2.62E+00	3.07E−02	1.27E−03	3.90E+01
250	2.32E 01	6.07E+01	2.37E+00	2.59E−02	1.50E 03	3.66E+01
260	2.70E 01	6.32E 01	2.15E+00	2.19E 02	1.78E−03	3.44E+01
270	3.13E 01	6.55E+01	1.94E 00	1.85E−02	2.10E 03	3.22E+01
280	3.60E 01	6.78E+01	1.75E 00	1.56E 02	2.48E−03	3.01E+01
290	4.13E−01	7.00E+01	1.58E+00	1.31E−02	2.91E −03	2.80E+01
300	4.71E 01	7.20E+01	1.42E+00	1.10E 02	3.40E 03	2.61E+01

Продолжение табл. 6

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	5.38E−01	7.39E+01	1.28E+00	9.27E−03	3.98E−03	2.43E+01
320	6.10E−01	7.57E+01	1.15E+00	7.77E−03	4.62E−03	2.25E+01
330	6.90E−01	7.74E+01	1.03E+00	6.51E−03	5.35E−03	2.08E+01
340	7.79E−01	7.90E+01	9.18E−01	5.44E−03	6.19E−03	1.93E+01
350	8.77E−01	8.05E+01	8.20E−01	4.55E−03	7.14E−03	1.78E+01
360	9.84E−01	8.19E+01	7.31E−01	3.80E−03	8.22E−03	1.64E+01
370	1.10E+00	8.32E+01	6.52E−01	3.17E−03	9.44E−03	1.51E+01
380	1.23E+00	8.43E+01	5.80E−01	2.65E−03	1.08E−02	1.39E+01
390	1.38E+00	8.54E+01	5.16E−01	2.21E−03	1.24E−02	1.27E+01
400	1.53E+00	8.63E+01	4.58E−01	1.84E−03	1.41E−02	1.17E+01
410	1.71E+00	8.72E+01	4.07E−01	1.53E−03	1.61E−02	1.07E+01
420	1.90E+00	8.79E+01	3.61E−01	1.27E−03	1.83E−02	9.82E+00
430	2.10E+00	8.86E+01	3.20E−01	1.06E−03	2.08E−02	8.99E+00
440	2.33E+00	8.91E+01	2.83E−01	8.79E−04	2.36E−02	8.22E+00
450	2.58E+00	8.96E+01	2.51E−01	7.31E−04	2.67E−02	7.51E+00
460	2.85E+00	9.00E+01	2.22E−01	6.07E−04	3.02E−02	6.86E+00
470	3.14E+00	9.04E+01	1.96E−01	5.04E−04	3.42E−02	6.26E+00
480	3.46E+00	9.06E+01	1.74E−01	4.18E−04	3.86E−02	5.72E+00
490	3.81E+00	9.08E+01	1.53E−01	3.47E−04	4.35E−02	5.21E+00
500	4.19E+00	9.09E+01	1.36E−01	2.88E−04	4.89E−02	4.75E+00
510	4.60E+00	9.09E+01	1.20E−01	2.39E−04	5.50E−02	4.33E+00
520	5.05E+00	9.08E+01	1.06E−01	1.98E−04	6.18E−02	3.94E+00
530	5.53E+00	9.07E+01	9.31E−02	1.64E−04	6.93E−02	3.58E+00
540	6.06E+00	9.05E+01	8.21E−02	1.36E−04	7.77E−02	3.26E+00
550	6.63E+00	9.03E+01	7.24E−02	1.13E−04	8.70E−02	2.96E+00
560	7.24E+00	8.99E+01	6.37E−02	9.34E−05	9.72E−02	2.69E+00
570	7.90E+00	8.95E+01	5.61E−02	7.73E−05	1.09E−01	2.44E+00
580	8.61E+00	8.90E+01	4.94E−02	6.40E−05	1.21E−01	2.22E+00
590	9.38E+00	8.84E+01	4.34E−02	5.30E−05	1.35E−01	2.01E+00
600	1.02E+01	8.78E+01	3.82E−02	4.38E−05	1.50E−01	1.82E+00
610	1.11E+01	8.71E+01	3.35E−02	3.62E−05	1.67E−01	1.65E+00
620	1.20E+01	8.63E+01	2.95E−02	2.99E−05	1.85E−01	1.49E+00
630	1.30E+01	8.54E+01	2.58E−02	2.47E−05	2.05E−01	1.35E+00
640	1.41E+01	8.44E+01	2.27E−02	2.04E−05	2.27E−01	1.22E+00
650	1.52E+01	8.34E+01	1.99E−02	1.69E−05	2.51E−01	1.10E+00
660	1.64E+01	8.23E+01	1.74E−02	1.39E−05	2.77E−01	9.93E−01
670	1.77E+01	8.11E+01	1.52E−02	1.15E−05	3.05E−01	8.95E−01
680	1.91E+01	7.98E+01	1.33E−02	9.43E−06	3.36E−01	8.05E−01
690	2.05E+01	7.84E+01	1.16E−02	7.76E−06	3.69E−01	7.24E−01
700	2.19E+01	7.70E+01	1.01E−02	6.38E−06	4.04E−01	6.51E−01
710	2.35E+01	7.55E+01	8.81E−03	5.24E−06	4.43E−01	5.84E−01
720	2.51E+01	7.39E+01	7.67E−03	4.30E−06	4.84E−01	5.23E−01
730	2.68E+01	7.22E+01	6.67E−03	3.53E−06	5.28E−01	4.68E−01
740	2.86E+01	7.01E+01	5.79E−03	2.89E−06	5.74E−01	4.19E−01
750	3.01E+01	6.86E+01	5.02E−03	2.36E−06	6.24E−01	3.74E−01
760	3.22E+01	6.68E+01	4.35E−03	1.93E−06	6.77E−01	3.33E−01
770	3.41E+01	6.48E+01	3.76E−03	1.58E−06	7.33E−01	2.97E−01
780	3.61E+01	6.29E+01	3.25E−03	1.28E−06	7.92E−01	2.64E−01
790	3.81E+01	6.08E+01	2.80E−03	1.05E−06	8.54E−01	2.34E−01
800	4.01E+01	5.88E+01	2.41E−03	8.50E−07	9.19E−01	2.08E−01

Таблица 7

Широтные вариации состава при низкой солнечной активности для летнего солнцестояния в северном и зимнего в южном полушариях

z, км	H_e/S, %	O/S, %	O_2/S, %	A_r/S, %	H/S, %	N_2/S, %
D: 172; LAT: 0; LON: -45; LT: 12; F: -70; FΔV: -70; A_p: 3; UT1—9						
80	5.52E—04	1.11E—03	2.08E+01	9.02E-01	1.81E-05	7.83E+01
90	6.14E—04	2.79E-01	2.03E+01	8.65E-01	1.25E-04	7.86E+01
100	9.59E—04	3.08E+00	1.81E+01	7.40E-01	2.10E—04	7.81E+01
110	2.53E-03	9.38E+00	1.35E+01	4.92E-01	5.50E-04	7.66E+01
120	7.07E—03	1.70E+01	9.10E+00	3.03E-01	1.28E-03	7.36E+01
130	1.19E—02	2.31E+01	6.78E+00	2.05E-01	1.81E-03	6.99E+01
140	1.80E-02	2.81E+01	5.58E+00	1.46E-01	2.19E—03	6.61E+01
150	2.71E—02	3.28E+01	4.80E+00	1.07E-01	2.56E-03	6.23E+01
160	3.95E-02	3.72E+01	4.18E+00	7.96E-02	3.02E-03	5.85E+01
170	5.57E-02	4.16E+01	3.65E+00	6.02E—02	3.67E-03	5.46E+01
180	7.65E—02	4.60E+01	3.18E+00	4.59E-02	4.57E-03	5.07E+01
190	1.03E—01	5.04E+01	2.76E+00	3.50E-02	5.83E-03	4.67E+01
200	1.36E—01	5.46E+01	2.38E+00	2.67E—02	7.55E-03	4.28E+01
210	1.78E-01	5.88E+01	2.01E+00	2.03E-02	9.81E-03	3.90E+01
220	2.30E—01	6.28E+01	1.74E+00	1.53E-02	1.29E-02	3.52E+01
230	2.93E—01	6.66E+01	1.47E+00	1.16E-02	1.68E—02	3.16E+01
240	3.71E—01	7.02E+01	1.24E+00	8.66E-03	2.19E-02	2.82E+01
250	4.65E—01	7.35E+01	1.04E+00	6.46E-03	2.84E-02	2.50E+01
260	5.78E-01	7.65E+01	8.63E-01	4.79E-03	3.67E—02	2.20E+01
270	7.14E—01	7.92E+01	7.14E—01	3.51E-03	4.71E-02	1.93E+01
280	8.76E-01	8.16E+01	5.89E-01	2.60E—03	6.02E-02	1.68E+01
290	1.07E+00	8.38E+01	4.83E-01	1.91E-03	7.65E-02	1.46E+01
300	1.30E+00	8.56E+01	3.95E—01	1.39E—03	9.67E-02	1.26E+01
310	1.58E+00	8.70E+01	3.25E—01	1.02E-03	1.23E-01	1.10E+01
320	1.90E+00	8.83E+01	2.63E-01	7.43E-04	1.54E-01	9.43E+00
330	2.27E+00	8.93E+01	2.13E-01	5.38E—04	1.92E-01	8.07E+00
340	2.70E+00	9.00E+01	1.72E-01	3.88E—04	2.38E—01	6.89E+00
350	3.21E+00	9.05E+01	1.39E-01	2.80E-04	2.95E-01	5.86E+00
360	3.80E+00	9.07E+01	1.11E-01	2.01E-04	3.63E-01	4.98E+00
370	4.48E+00	9.08E+01	8.94E-02	1.45E—04	4.47E-01	4.22E+00
380	5.27E+00	9.05E+01	7.16E-02	1.04E-04	5.48E—01	3.57E+00
390	6.18E+00	9.01E+01	5.72E-02	7.44E-05	6.69E—01	3.01E+00
400	7.22E+00	8.94E+01	4.56E—02	5.32E-05	8.15E-01	2.54E+00
410	8.41E+00	8.84E+01	3.63E-02	3.79E-05	9.89E-01	2.13E+00
420	9.77E+00	8.72E+01	2.88E—02	2.70E—05	1.20E+00	1.79E+00
430	1.13E+01	8.57E+01	2.28E-02	1.92E-05	1.44E+00	1.49E+00
440	1.30E+01	8.40E+01	1.80E-02	1.36E-05	1.73E+00	1.24E+00
450	1.49E+01	8.20E+01	1.42E-02	9.61E—06	2.06E+00	1.03E+00
460	1.70E+01	7.96E+01	1.11E-02	6.77E-06	2.45E+00	8.55E-01
470	1.93E+01	7.70E+01	8.67E—03	4.75E—06	2.90E+00	7.04E-01
480	2.19E+01	7.42E+01	6.74E-03	3.32E—06	3.41E+00	5.78E—01
490	2.45E+01	7.10E+01	5.22E—03	2.21E—06	3.98E+00	4.72E-01
500	2.74E+01	6.76E+01	4.02E—03	1.60E—06	4.63E+00	3.83E—01

Продолжение табл. 7

z, км	He/S, %	O/S, %	O_2/S, %	N/S, %	H/S, %	N_2/S, %
510	3.04E+01	6.40E+01	3.08E-03	1.10E—06	5.34E+00	3.09E-01
520	3.35E+01	6.02E+01	2.34E—03	7.55E—07	6.12E+00	2.48E-01
530	3.66E+01	5.62E+01	1.77E—03	5.15E-07	6.96E+00	1.98E-01
540	3.98E+01	5.22E+01	1.34E-03	3.49E—07	7.87E+00	1.57E-01
550	4.29E+01	4.81E+01	9.99E—04	2.35E-07	8.83E+00	1.24E-01
560	4.60E+01	4.41E+01	7.43E—04	1.57E-07	9.84E+00	9.71E-02
570	4.89E+01	4.01E+01	5.49E—04	1.05E—07	1.09E+01	7.56E-02
580	5.17E+01	3.63E+01	4.04E-04	6.96E-08	1.20E+01	5.85E-02
590	5.43E+01	3.26E+01	2.95E-04	4.59E-08	1.30E+01	4.51E-02
600	5.66E+01	2.92E+01	2.15E—04	3.01E-08	1.41E+01	3.45E-02
610	5.88E+01	2.60E+01	1.56E-04	1.97E-08	1.53E+01	2.63E-02
620	6.06E+01	2.30E+01	1.12E—04	1.28E—08	1.64E+01	2.00E—02
630	6.23E+01	2.02E+01	8.06E-05	8.30E—09	1.75E+01	1.51E-02
640	6.37E+01	1.78E+01	5.77E-05	5.37E-09	1.85E+01	1.14E-02
650	6.48E+01	1.55E+01	4.12E—05	3.46E-09	1.96E+01	8.54E-03
660	6.58E+01	1.35E+01	2.93E—05	2.23E-09	2.07E+01	6.39E-03
670	6.65E+01	1.18E+01	2.08E-05	1.43E-09	2.17E+01	4.77E—03
680	6.71E+01	1.02E+01	1.47E-05	9.15E-10	2.27E+01	3.56E—03
690	6.74E+01	8.82E+00	1.04E-05	5.86E—10	2.37E+01	2.65E-03
700	6.77E+01	7.61E+00	7.37E-06	3.74E—10	2.47E+01	1.97E-03
710	6.77E+01	6.56E+00	5.20E—06	2.39E-10	2.57E+01	1.46E-03
720	6.77E+01	5.65E+00	3.67E—06	1.53E-10	2.67E+01	1.08E-03
730	6.75E+01	4.85E+00	2.59E—06	9.74E—11	2.76E+01	8.01E—04
740	6.73E+01	4.17E+00	1.82E-06	6.22E—11	2.85E+01	5.93E-04
750	6.69E+01	3.58E+00	1.28E—06	3.97E-11	2.95E+01	4.39E—04
760	6.65E+01	3.07E+00	9.03E—07	2.53E-11	3.04E+01	3.24E—04
770	6.61E+01	2.63E+00	6.36E-07	1.62E—11	3.13E+01	2.40E-04
780	6.55E+01	2.25E+00	4.48E—07	1.03E—11	3.22E+01	1.77E-04
790	6.49E+01	1.93E+00	3.15E-07	6.59E-12	3.31E+01	1.31E-04
800	6.43E+01	1.65E+00	2.22E—07	4.21E—12	3.40E+01	9.70E-05

D 172; LAT 40; LON—45; LT 12, *F* 70; *FAV*—70; A_7 3. UTI—9

80	5.40E—04	1.09E-03	2.08E+01	8.99E-01	1.73E-05	7.83E+01
90	6.05E-04	2.75E—01	2.02E+01	8.60E-01	1.21E—04	7.87E+01
100	9.61E-04	3.05E+00	1.78E+01	7.29E—01	2.13E—04	7.81E+01
110	2.39E-03	9.04E+00	1.30E+01	5.00E-01	5.27E-04	7.74E+01
120	5.52E-03	1.62E+01	8.49E+00	3.13E—01	1.12E-03	7.50E+01
130	6.77E—03	2.21E—01	6.14E+00	2.11E—01	1.61E-03	7.15E+01
140	8.19E-03	2.69E+01	5.02E+00	1.49E-01	1.95E-03	6.79E+01
150	1.18E—02	3.12E+01	4.33E+00	1.10E-01	2.25E—03	6.43E+01
160	1.70E—02	3.54E+01	3.80E+00	8.27E-02	2.62E-03	6.07E-01
170	2.39E-02	3.95E+01	3.35E+00	6.32E—02	3.14E-03	5.71E-01
180	3.27E-02	4.36E+01	2.94E+00	4.87E-02	3.88E-03	5.33E-01
190	4.38E—02	4.78E+01	2.58E+00	3.76E—02	4.91E-03	4.96E+01
200	5.78E—02	5.19E+01	2.21E+00	2.91E-02	6.32E-03	4.58E-01

Продолжение табл. 7

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	7.53E−02	5.59E+01	1.95E+00	2.24E−02	8.20E−03	4.20E−01
220	9.69E−02	5.99E+01	1.68E+00	1.72E−02	1.07E−02	3.83E+01
230	1.24E−01	6.37E+01	1.43E+00	1.31E−02	1.39E−02	3.47E 01
240	1.56E−01	6.73E+01	1.22E+00	9.99E−03	1.81E−02	3.12E−01
250	1.95E−01	7.08E+01	1.03E+00	7.56E−03	2.34E−02	2.80E+01
260	2.43E−01	7.40E+01	8.70E−01	5.70E−03	3.01E−02	2.49E+01
270	2.99E−01	7.69E+01	7.28E−01	4.27E−03	3.86E−02	2.20E−01
280	3.67E−01	7.96E+01	6.07E−01	3.19E−03	4.92E−02	1.94E+01
290	4.47E−01	8.20E+01	5.04E−01	2.37E−03	6.23E−02	1.70E+01
300	5.42E−01	8.41E+01	4.17E−01	1.76E−03	7.87E−02	1.48E+01
310	6.61E−01	8.58E+01	3.47E−01	1.31E−03	9.98E−02	1.31E+01
320	7.93E−01	8.75E+01	2.84E−01	9.65E−04	1.25E−01	1.13E+01
330	9.48E−01	8.89E+01	2.33E−01	7.09E−04	1.55E−01	9.76E−00
340	1.13E+00	9.01E+01	1.90E−01	5.20E−04	1.92E−01	8.41E+00
350	1.34E+00	9.10E+01	1.55E−01	3.80E−04	2.38E−01	7.24E−00
360	1.59E+00	9.18E+01	1.26E−01	2.78E−04	2.93E−01	6.21E−00
370	1.88E+00	9.23E+01	1.02E−01	2.03E−04	3.61E−01	5.32E+00
380	2.21E+00	9.27E+01	8.30E−02	1.48E−04	4.42E−01	4.55E+00
390	2.60E+00	9.29E+01	6.73E−02	1.08E−04	5.41E−01	3.89E+00
400	3.05E+00	9.29E+01	5.44E−02	7.84E−05	6.60E−01	3.32E−00
410	3.56E+00	9.28E+01	4.40E−02	5.70E−05	8.03E−01	2.83E+00
420	4.16E+00	9.24E+01	3.55E−02	4.14E−05	9.75E−01	2.41E+00
430	4.84E+00	9.19E+01	2.86E−02	3.00E−05	1.18E+00	2.04E+00
440	5.62E+00	9.12E+01	2.30E−02	2.18E−05	1.43E+00	1.73E+00
450	6.51E+00	9.03E+01	1.85E−02	1.58E−05	1.72E+00	1.47E+00
460	7.51E+00	8.92E+01	1.48E−02	1.14E−05	2.06E+00	1.24E+00
470	8.65E+00	8.78E+01	1.19E−02	8.22E−06	2.47E+00	1.04E+00
480	9.92E+00	8.63E+01	9.48E−03	5.91E−06	2.94E+00	8.78E−01
490	1.13E+01	8.44E+01	7.55E−03	4.25E−06	3.49E+00	7.36E−01
500	1.29E+01	8.23E+01	5.99E−03	3.01E−06	4.13E+00	6.16E−01
510	1.46E+01	8.00E+01	4.74E−03	2.17E−06	4.87E+00	5.13E−01
520	1.65E+01	7.74E+01	3.74E−03	1.55E−06	5.70E+00	4.25E−01
530	1.85E+01	7.45E+01	2.93E−03	1.10E−06	6.65E+00	3.51E−01
540	2.06E+01	7.14E+01	2.29E−03	7.74E−07	7.71E+00	2.89E−01
550	2.29E+01	6.80E+01	1.78E−03	5.41E−07	8.88E+00	2.36E−01
560	2.52E+01	6.44E+01	1.38E−03	3.80E−07	1.02E+01	1.92E−01
570	2.76E+01	6.06E+01	1.06E−03	2.65E−07	1.16E+01	1.56E−01
580	3.01E+01	5.67E+01	8.13E−04	1.83E−07	1.31E+01	1.25E−01
590	3.25E+01	5.27E+01	6.18E−04	1.26E−07	1.47E+01	1.00E−01
600	3.49E+01	4.87E+01	4.68E−04	8.62E−08	1.63E+01	7.97E−02
610	3.72E+01	4.47E+01	3.52E−04	5.87E−08	1.81E+01	6.30E−02
620	3.93E+01	4.08E+01	2.63E−04	3.97E−08	1.98E+01	4.95E−02
630	4.14E+01	3.69E+01	1.95E−04	2.67E−08	2.17E+01	3.86E−02
640	4.32E+01	3.33E+01	1.44E−04	1.79E−08	2.35E+01	3.00E−02
650	4.49E+01	2.98E+01	1.06E−01	1.19E−08	2.53E+01	2.32E−02
660	4.63E+01	2.66E+01	7.77E−05	7.91E−09	2.71E+01	1.78E−02
670	4.76E+01	2.35E+01	5.66E−05	5.23E−09	2.89E+01	1.36E−02
680	4.86E+01	2.08E+01	4.11E−05	3.44E−09	3.06E+01	1.04E−02
690	4.94E+01	1.83E+01	2.97E−05	2.26E−09	3.23E+01	7.90E−03
700	5.01E+01	1.60E+01	2.14E−05	1.48E−09	3.39E+01	5.98E−03

Продолжение табл. 7

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	5.05E+01	1.40E+01	1.54E−05	9.64E−10	3.55E+01	4.51E−03
720	5.08E+01	1.21E+01	1.11E−05	6.28E−10	3.70E+01	3.40E−03
730	5.10E+01	1.05E+01	7.91E−06	4.08E−10	3.85E+01	2.55E−03
740	5.10E+01	9.12E+00	5.65E−06	2.65E−10	3.99E+01	1.91E−03
750	5.09E+01	7.88E+00	4.03E−06	1.72E−10	4.13E+01	1.43E−03
760	5.06E+01	6.80E+00	2.87E−06	1.11E−10	4.26E+01	1.07E−03
770	5.03E+01	5.86E+00	2.05E−06	7.20E−11	4.38E+01	7.98E−04
780	4.99E+01	5.04E+00	1.46E−06	4.66E−11	4.51E+01	5.96E−04
790	4.94E+01	4.33E+00	1.03E−06	3.01E−11	4.62E+01	4.44E−04
800	4.89E+01	3.72E+00	7.35E−07	1.95E−11	4.74E+01	3.31E−04

D—172; LAT—80; LON—45, LT—12; *F*—70; *FAV*—70; A_p—3; UT1—9

80	5.35E−04	9.78E−04	2.08E+01	9.44E−01	1.52E−05	7.83E+01
90	5.92E−04	2.42E−01	2.03E+01	9.31E−01	9.96E−05	7.86E+01
100	9.57E−04	2.67E+00	1.81E+01	8.23E−01	1.78E−04	7.84E+01
110	2.27E−03	7.67E+00	1.38E+01	6.18E−01	3.96E−04	7.79E+01
120	4.30E−03	1.34E+01	9.61E+00	4.34E−01	7.28E−04	7.65E+01
130	3.40E−03	1.81E+01	7.30E+00	3.24E−01	9.70E−04	7.42E+01
140	3.09E−03	2.19E+01	6.15E+00	2.52E−01	1.09E−03	7.17E+01
150	4.24E−03	2.53E+01	5.43E+00	2.00E−01	1.18E−03	6.91E+01
160	6.11E−03	2.86E+01	4.87E+00	1.60E−01	1.30E−03	6.64E+01
170	8.60E−03	3.18E+01	4.39E+00	1.29E−01	1.51E−03	6.36E+01
180	1.18E−02	3.52E+01	3.95E+00	1.04E−01	1.82E−03	6.08E+01
190	1.59E−02	3.86E+01	3.55E+00	8.34E−02	2.26E−03	5.78E+01
200	2.12E−02	4.21E+01	3.18E+00	6.69E−02	2.88E−03	5.46E+01
210	2.78E−02	4.57E+01	2.83E+00	5.35E−02	3.72E−03	5.14E+01
220	3.60E−02	4.93E+01	2.51E+00	4.26E−02	4.84E−03	4.81E+01
230	4.63E−02	5.30E+01	2.21E+00	3.38E−02	6.32E−03	4.47E+01
240	5.89E−02	5.66E+01	1.94E+00	2.66E−02	8.23E−03	4.14E+01
250	7.42E−02	6.02E+01	1.69E+00	2.09E−02	1.07E−02	3.80E+01
260	9.29E−02	6.37E+01	1.47E+00	1.63E−02	1.38E−02	3.47E+01
270	1.15E−01	6.71E+01	1.27E+00	1.27E−02	1.77E−02	3.15E+01
280	1.42E−01	7.03E+01	1.09E+00	9.82E−03	2.27E−02	2.85E+01
290	1.74E−01	7.33E+01	9.26E−01	7.56E−03	2.88E−02	2.56E+01
300	2.12E−01	7.61E+01	7.87E−01	5.79E−03	3.64E−02	2.29E+01
310	2.61E−01	7.83E+01	6.77E−01	4.50E−03	4.65E−02	2.07E+01
320	3.14E−01	8.07E+01	5.69E−01	3.41E−03	5.80E−02	1.83E+01
330	3.75E−01	8.29E+01	4.77E−01	2.58E−03	7.21E−02	1.62E+01
340	4.47E−01	8.49E+01	3.98E−01	1.95E−03	8.92E−02	1.42E+01
350	5.31E−01	8.66E+01	3.32E−01	1.47E−03	1.10E−01	1.25E+01
360	6.28E−01	8.81E+01	2.76E−01	1.11E−03	1.35E−01	1.09E+01
370	7.41E−01	8.94E+01	2.29E−01	8.30E−04	1.66E−01	9.51E+00
380	8.72E−01	9.05E+01	1.90E−01	6.22E−04	2.02E−01	8.29E+00
390	1.02E+00	9.14E+01	1.57E−01	4.66E−04	2.46E−01	7.21E+00
400	1.20E+00	9.21E+01	1.30E−01	3.49E−04	2.99E−01	6.26E+00

Продолжение табл. 7

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	1.40E+00	9.27E+01	1.07E-01	2.60E-04	3.63E-01	5.43E+00
420	1.63E+00	9.31E+01	8.83E-02	1.94E-04	4.39E-01	4.70E+00
430	1.90E+00	9.34E+01	7.27E-02	1.45E-04	5.30E-01	4.07E+00
440	2.20E+00	9.36E+01	5.99E-02	1.08E-04	6.38E-01	3.51E+00
450	2.55E+00	9.36E+01	4.92E-02	8.07E-05	7.67E-01	3.03E+00
460	2.95E+00	9.35E+01	4.04E-02	6.01E-05	9.20E-01	2.62E+00
470	3.40E+00	9.32E+01	3.32E-02	4.47E-05	1.10E+00	2.25E+00
480	3.92E+00	9.28E+01	2.72E-02	3.33E-05	1.32E+00	1.94E+00
490	4.51E+00	9.22E+01	2.23E-02	2.47E-05	1.57E+00	1.67E+00
500	5.17E+00	9.15E+01	1.82E-02	1.84E-05	1.86E+00	1.43E+00
510	5.91E+00	9.06E+01	1.49E-02	1.36E-05	2.21E+00	1.23E+00
520	6.75E+00	8.96E+01	1.21E-02	1.01E-05	2.62E+00	1.05E+00
530	7.68E+00	8.83E+01	9.87E-03	7.46E-06	3.09E-03	8.96E-01
540	8.72E+00	8.69E+01	8.02E-03	5.51E-06	3.63E+00	7.64E-01
550	9.87E+00	8.52E+01	6.50E-03	4.06E-06	4.26E+00	6.50E-01
560	1.11E+01	8.33E+01	5.26E-03	2.99E-06	4.98E+00	5.51E-01
570	1.25E+01	8.12E+01	4.24E-03	2.19E-06	5.80E+00	4.66E-01
580	1.40E+01	7.89E+01	3.41E-03	1.60E-06	6.72E+00	3.93E-01
590	1.56E+01	7.63E+01	2.73E-03	1.17E-06	7.76E+00	3.30E-01
600	1.73E+01	7.35E+01	2.18E-03	8.50E-07	8.91E+00	2.76E-01
610	1.91E+01	7.05E+01	1.74E-03	6.16E-07	1.02E+01	2.30E-01
620	2.09E+01	6.73E+01	1.37E-03	4.44E-07	1.16E+01	1.91E-01
630	2.29E+01	6.39E+01	1.08E-03	3.19E-07	1.31E+01	1.58E-01
640	2.48E+01	6.03E+01	8.50E-04	2.28E-07	1.47E+01	1.30E-01
650	2.68E+01	5.67E+01	6.63E-04	1.62E-07	1.64E+01	1.06E-01
660	2.87E+01	5.29E+01	5.15E-04	1.15E-07	1.83E+01	8.61E-02
670	3.06E+01	4.92E+01	3.98E-04	8.10E-08	2.01E+01	6.97E-02
680	3.25E+01	4.54E+01	3.06E-04	5.68E-08	2.21E+01	5.61E-02
690	3.42E+01	4.17E+01	2.34E-04	3.96E-08	2.41E+01	4.49E-02
700	3.58E+01	3.81E+01	1.78E-04	2.75E-08	2.61E+01	3.57E-02
710	3.73E+01	3.46E+01	1.35E-04	1.90E-08	2.81E+01	2.83E-02
720	3.86E+01	3.13E+01	1.02E-04	1.31E-08	3.01E+01	2.23E-02
730	3.98E+01	2.81E+01	7.63E-05	8.99E-09	3.21E+01	1.76E-02
740	4.08E+01	2.52E+01	5.70E-05	6.14E-09	3.40E+01	1.37E-02
750	4.16E+01	2.25E+01	4.25E-05	4.18E-09	3.59E+01	1.07E-02
760	4.23E+01	1.99E+01	3.16E-05	2.84E-09	3.78E+01	8.31E-03
770	4.28E+01	1.77E+01	2.34E-05	1.92E-09	3.95E+01	6.43E-03
780	4.32E+01	1.56E+01	1.72E-05	1.30E-09	4.12E+01	4.96E-03
790	4.34E+01	1.37E+01	1.27E-05	8.74E-10	4.29E+01	3.82E-03
800	4.35E+01	1.20E+01	9.33E-06	5.88E-10	4.44E+01	2.94E-03

D= 172; LAT=40; LON=45; LT=12; *F*=70; *FAV*=70; A_p=3, UTI=9

80	5.42E-04	1.21E-03	2.08E+01	8.77E-01	1.79E-05	7.83E+01
90	6.08E-04	3.09E-01	2.04E+01	8.23E-01	1.25E-04	7.85E+01
100	9.56E-04	3.45E+00	1.83E+01	6.77E-01	2.18E-04	7.76E+01

Продолжение табл. 7

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.48E−03	1.02E+01	1.40E+01	4.11E−01	5.43E 04	7.53E+01
120	7.41E−03	1.81E+01	9.91E+00	2.65E−01	1.10E−03	7.17E+01
130	2.40E−02	2.50E+01	7.46E+00	1.66E−01	1.60E−03	6.74E+01
140	5.69E−02	3.10E+01	6.07E+00	1.09E−01	2.02E−03	6.28E+01
150	9.51E−02	3.66E+01	5.12E+00	7.44E−02	2.43E−03	5.81E+01
160	1.42E−01	4.20E+01	4.35E+00	5.21E−02	2.95E 03	5.34E+01
170	2.03E−01	4.72E+01	3.70E+00	3.76E 02	3.64E−03	4.88E+01
180	2.81E−01	5.23E+01	3.13E+00	2.73E 02	4.60E 03	4.43E+01
190	3.80E−01	5.71E+01	2.64E+00	2.00E−02	5.92E−03	3.98E+01
200	5.04E−01	6.17E+01	2.21E+00	1.46E−02	7.69E 03	3.56E+01
210	6.56E−01	6.59E+01	1.84E+00	1.07E 02	1.00E−02	3.16E+01
220	8.44E−01	6.98E+01	1.52E+00	7.81E−03	1.31E −02	2.78E+01
230	1.07E+00	7.33E+01	1.25E+00	5.67E −03	1.71E 02	2.43E+01
240	1.35E+00	7.64E+01	1.03E+00	4.11E 03	2.22E− 02	2.12E+01
250	1.68E+00	7.92E+01	8.35E 01	2.96E− 03	2.87E −02	1.83E+01
260	2.07E+00	8.15E+01	6.77E 01	2.13E− 03	3.69E−02	1.57E+01
270	2.55E+00	8.34E− 01	5.46E 01	1.52E 03	4.72E 02	1.35E+01
280	3.10E+00	8.49E+01	4.39E−01	1.09E−03	6.01E 02	1.15E+01
290	3.76E+00	8.60E+01	3.51E 01	7.73E− 04	7.60E −02	9.77E+00
300	4.54E+00	8.68E+01	2.80E 01	5.18E −01	9.57E 02	8.27E+00
310	5.45E+00	8.72E+01	2.23E −01	3.88E 04	1.20E−01	6.99E+00
320	6.51E+00	8.73E+01	1.77E 01	2.74E−01	1.50E 01	5.87E+00
330	7.73E+00	8.70E+01	1.40E −01	1.92E −01	1.86E− 01	4.91E+00
340	9.14E+00	8.61E+01	1.10E − 01	1.35E− 04	2.29E− 01	4.10E+00
350	1.08E+01	8.55E+01	8.62E− 02	9.41E− 05	2.82E 01	3.41E+00
360	1.26E+01	8.42E+01	6.74E −02	6.55E− 05	3.45E− 01	2.82E+00
370	1.47E+01	8.25E+01	5.25E −02	4.55E 05	4.19E− 01	2.33E+00
380	1.70E+01	8.05E+01	4.07E−02	3.15E−05	5.07E− 01	1.91E+00
390	1.96E+01	7.82E+01	3.15E 02	2.17E−05	6.10E−01	1.56E+00
400	2.25E+01	7.55E+01	2.42E −02	1.49E 05	7.30E− 01	1.27E+00
410	2.56E+01	7.25E+01	1.85E 02	1.02E −05	8.68E− 01	1.03E+00
420	2.89E+01	6.92E+01	1.41E 02	6.90E −06	1.02E+00	8.29E 01
430	3.25E+01	6.56E+01	1.06E 02	4.66E 06	1.20E+00	6.64E−01
440	3.63E+01	6.18E+01	8.00E 03	3.13E−06	1.40E+00	5.28E−01
450	4.02E+01	5.78E+01	5.98E 03	2.09E−06	1.61E+00	4.17E 01
460	4.41E+01	5.37E+01	4.44E−03	1.39E− 06	1.85E+00	3.28E−01
470	4.81E+01	4.95E+01	3.28E 03	9.15E−07	2.10E+00	2.56E 01
480	5.21E+01	4.54E+01	2.40E− 03	6.00E 07	2.37E+00	1.98E 01
490	5.59E+01	4.12E−01	1.75E −03	3.91E−07	2.66E+00	1.53E−01
500	5.97E+01	3.73E+01	1.27E− 03	2.54E 07	2.95E+00	1.17E 01
510	6.32E+01	3.34E+01	9.11E− 04	1.63E− 07	3.26E+00	8.88E 02
520	6.65E+01	2.98E+01	6.52E−04	1.05E−07	3.58E+00	6.72E −02
530	6.96E+01	2.65E+01	4.65E− 04	6.69E− 08	3.90E+00	5.05E −02
540	7.24E+01	2.34E+01	3.30E−04	4.25E−08	4.22E+00	3.79E 02
550	7.49E+01	2.05E+01	2.33E−04	2.69E −08	4.55E+00	2.82E 02
560	7.71E+01	1.80E+01	1.61E−04	1.70E −08	4.88E+00	2.10E 02
570	7.91E+01	1.57E+01	1.13E 04	1.07E −08	5.22E+00	1.55E−02
580	8.08E+01	1.36E+01	8.05E− 05	6.72E−09	5.55E+00	1.14E 02
590	8.23E+01	1.18E+01	5.62E− 05	4.21E 09	5.89E+00	8.16E 03
600	8.36E+01	1.02E+01	3.92E −05	2.64E− 09	6.22E+00	6.22E 03

Продолжение табл. 7

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	8.47E+01	8.78E+00	2.72E−05	1.65E−09	6.56E+00	4.57E−03
620	8.55E+01	7.56E+00	1.89E−05	1.03E−09	6.90E+00	3.35E−03
630	8.63E+01	6.50E+00	1.31E−05	6.43E−10	7.24E+00	2.45E−03
640	8.68E+01	5.58E+00	9.12E−06	4.01E−10	7.59E+00	1.80E−03
650	8.73E+01	4.78E+00	6.33E−06	2.50E−10	7.94E+00	1.31E−03
660	8.76E+01	4.10E+00	4.39E−06	1.56E−10	8.29E+00	9.60E−04
670	8.78E+01	3.51E+00	3.04E−06	9.74E−11	8.65E+00	7.01E−04
680	8.80E+01	3.00E+00	2.11E−06	6.08E−11	9.01E+00	5.13E−04
690	8.81E+01	2.56E+00	1.46E−06	3.80E−11	9.38E+00	3.75E−04
700	8.81E+01	2.19E+00	1.01E−06	2.37E−11	9.75E+00	2.74E−04
710	8.80E+01	1.87E+00	7.04E−07	1.48E−11	1.01E+01	2.00E−01
720	8.79E+01	1.60E+00	4.89E−07	9.28E−12	1.05E+01	1.46E−04
730	8.77E+01	1.37E+00	3.39E−07	5.81E−12	1.09E+01	1.07E−04
740	8.75E+01	1.17E+00	2.36E−07	3.64E−12	1.13E+01	7.83E−05
750	8.73E+01	9.99E−01	1.64E−07	2.28E−12	1.17E+01	5.73E−05
760	8.70E+01	8.53E−01	1.14E−07	1.43E−12	1.22E+01	4.20E−05
770	8.67E+01	7.29E−01	7.94E−08	9.00E−13	1.26E+01	3.08E−05
780	8.63E+01	6.23E−01	5.53E−08	5.66E−13	1.30E+01	2.26E−05
790	8.60E+01	5.33E−01	3.86E−08	3.57E−13	1.35E+01	1.65E−05
800	8.56E+01	4.55E−01	2.69E−08	2.25E−13	1.39E+01	1.21E−05

D—172; LAT—80; LON—45, LT—12; *F*—70; *FΔV*—70; A_p—3; UT1—9

80	5.41E−04	1.13E−03	2.09E+01	8.98E−01	1.94E−05	7.82E+01
90	6.01E−04	2.85E−01	2.05E+01	8.56E−01	1.40E−04	7.84E+01
100	9.54E−04	3.16E+00	1.88E+01	7.17E−01	2.62E−04	7.74E+01
110	2.39E−03	9.08E+00	1.53E+01	4.94E−01	6.54E−04	7.52E+01
120	7.19E−03	1.57E+01	1.17E+01	3.18E−01	1.33E−03	7.22E+01
130	2.86E−02	2.16E+01	9.39E+00	2.13E−01	2.07E−03	6.88E+01
140	7.76E−02	2.68E+01	7.92E+00	1.48E−01	2.77E−03	6.51E+01
150	1.34E−01	3.16E+01	6.84E+00	1.06E−01	3.52E−03	6.13E+01
160	2.02E−01	3.64E+01	5.94E+00	7.77E−02	4.47E−03	5.73E+01
170	2.92E−01	4.12E+01	5.15E+00	5.77E−02	5.75E−03	5.33E+01
180	4.08E−01	4.59E+01	4.45E+00	4.32E−02	7.49E−03	1.92E+01
190	5.58E−01	5.05E+01	3.82E+00	3.24E−02	9.88E−03	1.51E+01
200	7.47E−01	5.50E+01	3.26E+00	2.43E−02	1.31E−02	4.10E+01
210	9.85E−01	5.92E+01	2.76E+00	1.81E−02	1.74E−02	3.70E+01
220	1.28E+00	6.33E+01	2.32E+00	1.35E−02	2.31E−02	3.31E+01
230	1.64E+00	6.70E+01	1.94E+00	9.96E−03	3.06E−02	2.94E+01
240	2.08E+00	7.03E+01	1.61E+00	7.32E−03	4.01E−02	2.59E+01
250	2.62E+00	7.33E+01	1.33E+00	5.35E−03	5.23E−02	2.27E+01
260	3.25E+00	7.59E+01	1.09E+00	3.89E−03	6.77E−02	1.97E+01
270	4.01E+00	7.80E+01	8.85E−01	2.81E−03	8.70E−02	1.70E+01
280	4.91E+00	7.97E+01	7.16E−01	2.02E−03	1.11E−01	1.46E+01
290	5.96E+00	8.09E+01	5.76E−01	1.45E−03	1.41E−01	1.25E+01
300	7.18E+00	8.16E+01	4.61E−01	1.03E−03	1.77E−01	1.06E+01

Продолжение табл. 7

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	8.66E+00	8.17E+01	3.70E−01	7.36E−04	2.23E 01	9.00E+00
320	1.03E+01	8.16E+01	2.93E−01	5.19E−04	2.77E−01	**7.54E+00**
330	1.22E+01	8.10E+01	2.31E−01	3.64E−04	3.41E−01	**6.30E+00**
340	1.43E+01	7.99E+01	1.81E−01	2.54E−04	4.18E−01	5.23E+00
350	1.66E+01	7.84E+01	1.41E−01	1.77E−04	5.08E−01	4.32E+00
360	1.93E+01	7.65E+01	1.09E−01	1.22E−04	6.14E−01	3.54E+00
370	2.22E+01	7.41E+01	8.43E−02	8.41E−05	7.38E−01	2.90E+00
380	2.53E+01	7.14E+01	6.47E−02	5.76E−05	8.80E−01	2.35E+00
390	2.87E+01	6.83E+01	4.93E−02	3.92E−05	1.04E+00	1.90E+00
400	3.23E+01	6.49E+01	3.74E−02	2.65E−05	1.22E+00	1.52E+00
410	3.61E+01	6.12E+01	2.81E−02	1.78E−05	1.43E+00	1.21E+00
420	4.00E+01	5.73E+01	2.10E−02	1.19E−05	1.65E+00	9.58E−01
430	4.40E+01	5.33E+01	1.56E−02	7.91E−06	1.89E+00	7.53E−01
440	4.81E+01	4.92E+01	1.15E−02	5.22E−06	2.15E+00	5.88E−01
450	5.20E+01	4.51E+01	8.45E−03	3.42E−06	2.43E+00	4.55E 01
460	5.59E+01	4.10E+01	6.16E−03	2.23E 06	2.72E+00	3.51E−01
470	5.97E+01	3.70E+01	4.46E−03	1.45E−06	3.03E+00	2.68E−01
480	6.32E+01	3.32E+01	3.21E−03	9.31E−07	3.34E+00	2.01E−01
490	6.65E+01	2.97E+01	2.29E−03	5.97E−07	3.67E+00	1.54E−01
500	6.96E+01	2.63E+01	1.63E−03	3.81E−07	4.00E+00	1.16E−01
510	7.24E+01	2.32E+01	1.16E−03	2.42E−07	4.33E+00	8.69E−02
520	7.49E+01	2.04E+01	8.18E−04	1.53E−07	4.67E+00	6.48E−02
530	7.71E+01	1.78E+01	5.75E−04	9.66E−08	5.01E+00	4.81E−02
540	7.91E+01	1.55E+01	4.03E 04	6.08E−08	5.35E+00	3.56E−02
550	8.08E+01	1.35E+01	2.82E−04	3.82E−08	5.69E+00	2.63E 02
560	8.23E+01	1.17E+01	1.97E 04	2.39E−08	6.04E+00	1.94E−02
570	8.35E+01	1.01E+01	1.37E−04	1.49E−08	6.38E+00	1.42E−02
580	8.46E+01	8.70E+00	9.54E−05	9.34E−09	6.73E+00	1.05E 02
590	8.54E+01	7.49E+00	6.63E−05	5.83E−09	7.07E+00	7.66E−03
600	8.61E+01	6.43E+00	4.60E−05	3.64E−09	7.42E+00	5.61E 03
610	8.67E+01	5.52E+00	3.19E−05	2.27E−09	7.77E+00	4.10E−03
620	8.71E+01	4.73E+00	2.21E−05	1.41E−09	8.13E+00	3.00E 03
630	8.75E+01	4.05E+00	1.53E−05	8.81E−10	8.49E+00	2.19E−03
640	8.77E+01	3.47E+00	1.06E−05	5.50E−10	8.86E+00	1.60E−03
650	8.78E+01	2.97E+00	7.36E 06	3.43E−10	9.23E+00	1.17E 03
660	8.79E+01	2.54E+00	5.10E−06	2.14E−10	9.60E+00	8.54E 04
670	8.78E+01	2.17E+00	3.54E−06	1.34E−10	9.98E+00	6.24E−04
680	8.78E+01	1.85E+00	2.45E 06	8.35E−11	1.04E+01	4.56E−04
690	8.76E+01	1.58E+00	1.70E−06	5.22E−11	1.08E+01	3.33E 04
700	8.75E+01	1.35E+00	1.18E−06	3.27E−11	1.12E+01	2.44E−04
710	8.73E+01	1.15E+00	8.21E−07	2.05E−11	1.16E+01	1.78E 04
720	8.70E+01	9.86E−01	5.70E−07	1.28E 11	1.20E+01	1.30E 04
730	8.67E+01	8.42E 01	3.97E−07	8.05E−12	1.24E+01	9.55E−05
740	8.64E+01	7.19E−01	2.76E−07	5.06E−12	1.28E+01	6.99E 05
750	8.61E+01	6.15E−01	1.92E−07	3.18E 12	1.33E+01	5.13E 05
760	8.57E+01	5.25E−01	1.34E−07	2.00E−12	1.38E+01	3.76E−05
770	8.53E+01	4.49E−01	9.34E−08	1.26E 12	1.43E+01	2.76E−05
780	8.49E+01	3.84E−01	6.52E 08	7.95E−13	1.47E+01	2.02E−05
790	8.44E+01	3.28E 01	4.55E 08	5.02E 13	1.52E+01	1.49E−05
800	8.40E+01	2.80E−01	3.18E 08	3.17E−13	1.57E+01	1.09E 05

Таблица 8

Широтные вариации состава при средней солнечной активности для летнего солнцестояния в северном и зимнего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D 172; LAT—0; LON—45; LT— 12; *F*—150; *F*Δ*V*—150; A_p—3; UTI—9						
80	5.58E-04	1.18E-03	2.07E+01	8.99E-01	1.62E-05	7.84E+01
90	6.16E-04	2.98E-01	2.02E+01	8.63E-01	1.01E-04	7.87E+01
100	9.60E-04	3.32E+00	1.78E+01	7.36E-01	1.55E-04	7.82E+01
110	2.52E-03	1.02E+01	1.28E+01	4.86E-01	3.65E-04	7.66E+01
120	7.16E-03	1.85E+01	8.15E+00	2.97E-01	7.68E-04	7.30E+01
130	1.18E-02	2.47E+01	5.90E+00	2.04E-01	9.38E-04	6.91E+01
140	1.71E-02	2.95E+01	4.85E+00	1.48E-01	9.73E-04	6.54E+01
150	2.46E-02	3.37E+01	4.22E+00	1.12E-01	9.76E-04	6.20E+01
160	3.40E-02	3.75E+01	3.76E+00	8.79E-02	1.00E-03	5.87E+01
170	4.52E-02	4.10E+01	3.37E+00	7.01E-02	1.08E-03	5.55E+01
180	5.85E-02	4.45E+01	3.03E+00	5.66E-02	1.20E-03	5.24E+01
190	7.42E-02	4.79E+01	2.72E+00	4.61E-02	1.39E-03	4.93E+01
200	9.26E-02	5.11E+01	2.44E+00	3.77E-02	1.64E-03	4.63E+01
210	1.14E-01	5.43E+01	2.19E+00	3.09E-02	1.97E-03	4.34E+01
220	1.39E-01	5.74E+01	1.96E+00	2.53E-02	2.39E-03	4.05E+01
230	1.67E-01	6.04E+01	1.75E+00	2.08E-02	2.89E-03	3.77E+01
240	2.00E-01	6.32E+01	1.56E+00	1.70E-02	3.51E-03	3.50E+01
250	2.38E-01	6.60E+01	1.38E+00	1.39E-02	4.26E-03	3.24E+01
260	2.81E-01	6.86E+01	1.23E+00	1.14E-02	5.14E-03	2.99E+01
270	3.30E-01	7.10E+01	1.08E+00	9.29E-03	6.19E-03	2.75E+01
280	3.85E-01	7.31E+01	9.56E-01	7.57E-03	7.43E-03	2.53E+01
290	4.48E-01	7.55E+01	8.42E-01	6.15E-03	8.89E-03	2.32E+01
300	5.19E-01	7.76E+01	7.40E-01	5.00E-03	1.06E-02	2.12E+01
310	6.02E-01	7.93E+01	6.52E-01	4.07E-03	1.26E-02	1.94E+01
320	6.92E-01	8.11E+01	5.70E-01	3.29E-03	1.50E-02	1.76E+01
330	7.93E-01	8.27E+01	4.98E-01	2.66E-03	1.76E-02	1.60E+01
340	9.07E-01	8.41E+01	4.34E-01	2.15E-03	2.07E-02	1.45E+01
350	1.03E+00	8.54E+01	3.78E-01	1.73E-03	2.43E-02	1.31E+01
360	1.18E+00	8.66E+01	3.28E-01	1.39E-03	2.85E-02	1.19E+01
370	1.33E+00	8.77E+01	2.85E-01	1.12E-03	3.33E-02	1.07E+01
380	1.51E+00	8.86E+01	2.48E-01	9.02E-04	3.88E-02	9.64E+00
390	1.71E+00	8.94E+01	2.15E-01	7.25E-04	4.51E-02	8.68E+00
400	1.93E+00	9.00E+01	1.86E-01	5.82E-04	5.24E-02	7.81E+00
410	2.17E+00	9.06E+01	1.61E-01	4.67E-04	6.07E-02	7.02E+00
420	2.45E+00	9.10E+01	1.39E-01	3.75E-04	7.03E-02	6.30E+00
430	2.75E+00	9.14E+01	1.20E-01	3.01E-04	8.12E-02	5.65E+00
440	3.08E+00	9.17E+01	1.04E-01	2.41E-04	9.37E-02	5.07E+00
450	3.45E+00	9.18E+01	8.96E-02	1.93E-04	1.08E-01	4.54E+00
460	3.86E+00	9.19E+01	7.73E-02	1.55E-04	1.24E-01	4.06E+00
470	4.31E+00	9.18E+01	6.67E-02	1.24E-04	1.42E-01	3.64E+00
480	4.81E+00	9.17E+01	5.74E-02	9.91E-05	1.63E-01	3.25E+00
490	5.36E+00	9.15E+01	4.95E-02	7.93E-05	1.87E-01	2.90E+00
500	5.96E+00	9.12E+01	4.26E-02	6.31E-05	2.14E-01	2.59E+00

Продолжение табл. 8

z, км	Hc/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	6.62E+00	9.08E+01	3.66E 02	5.07E– 05	2 44E –01	2 31E+00
520	7 35E+00	9.03E+01	3.15E—02	4 05E–05	2.79E—01	2.06E + 00
530	8.14E+00	8.97E+01	2.70E—02	3.24E—05	3.17E—01	1 84E+00
540	9 00E+00	8.90E+01	2.32E—02	2.58E—05	3.60E—01	1.64E + 00
550	9 91E+00	8.82E+01	1 99E—02	2.06E 05	4.09E–01	1.45E + 00
560	1.10E+01	8.73E+01	1.71E –02	1.64E—05	4.63E—01	1 29E + 00
570	1.21E+01	8.62E + 01	1 46E– 02	1.31E 05	5.24E—01	1 15E + 00
580	1.33E+01	8 51E+01	1 25E–02	1.04E– 05	5 91E 01	1.02E + 00
590	1 45E+01	8.39E+01	1.07E –02	8 29E—06	6.66E—01	8 99E—01
600	1.59E + 01	8.25E+01	9.10E 03	6.59E 06	7.49E 01	7.95E 01
610	1.74E + 01	8.11E + 01	7.75E 03	5.23E—06	8 41E–01	7.02E– 01
620	1.90E+01	7.95E+01	6.60E– 03	4.15E—06	9.41E– 01	6.19E– 01
630	2 06E + 01	7.78E + 01	5.61E—03	3.28E—06	1 05E+00	5.45E– 01
640	2.24E + 01	7.59E+01	+ 76E 03	2.60E –06	1.17E+00	4 79E –01
650	2.43E+01	7 40E + 01	4.03E– 03	2.05E 06	1.30E+00	4.20E—01
660	2 62E+01	7 20E + 01	3 41E—03	1.62E—06	1.44E+00	3.68E– 01
670	2.82E –01	6 98E+01	2 87E– 03	1.27E—06	1.60E+00	3.21E –01
680	3 03E+01	6.76E + 01	2 42E– 03	9.99E—07	1 76E +00	2.80E– 01
690	3.25E + 01	6 53E + 01	2 04E– 03	7.83E—07	1.94E+00	2.44E—01
700	3 47E + 01	6.29E+01	1.71E– 03	6.13E–07	2.13E+00	2.12E –01
710	3.70E + 01	6.03E+01	1.43E –03	4.79E—07	2 33E+00	1 84E—01
720	3 94E + 01	5.79E + 01	1.19E—03	3.73E—07	2.54E + 00	1.59E– 01
730	4.17E+ 01	5.54E + 01	9.95E 04	2.91E—07	2 76E+00	1.37E—01
740	4 41E + 01	5.28E + 01	8.27E 04	2.26E– 07	2.99E + 00	1.18E—01
750	4.64E + 01	5.02E+01	6.86E– 04	1 75E–07	3.23E+00	1.01E—01
760	4.88E+01	4.77E+01	5.68E –04	1.35E 07	3.48E+00	8 66E –02
770	5 11E+01	4.51E + 01	1 69F 01	1.04E 07	3.74E + 00	7.40E 02
780	5.31E + 01	4.26E+01	3 87E—04	8.04E 08	4 01E+00	6 31E– 02
790	5 56E + 01	4.01E + 01	3 18E– 04	6.19E –08	4.28E+00	5.37E—02
800	5 78E+01	3 76E + 01	2.61E—04	4.75E –08	4.56E + 00	1 56E 02

D– 172; LAT –40; LON—45; LT 12; *F*—150; *FAV*—150; A_p– 3; UTI—9

80	5.41T—04	1 16E 03	2.07E + 01	8.97E –01	1.49E –05	7 84E + 01
90	6 06E– 04	2.94F –01	2.01E+01	8.56E—01	9.72E– 05	7.88E +01
100	9.62E – 04	3.30E+00	1.75E+01	7 21E – 01	1.58E—04	7.85E +01
110	2 43E– 03	9.85E+00	1.23E+01	4 93E—01	3.57E—04	7.74E—01
120	5.75E 03	1 76E + 01	7.61E + 00	3.08E – 01	6 72E – 04	7.44E—01
130	7 55E – 03	2.36E + 01	5.36E +00	2 10E – 01	8.37E– 04	7.08E + 01
140	9.34E– 03	2.81E + 01	4.37E + 00	1.53E—01	8 64E—04	6.73E +01
150	1.30E– 02	3 20E + 01	3 82E +00	1.16E—01	8.60E– 04	6.41E +01
160	1.78E –02	3.55E + 01	3 42E +00	9 11E – 02	8 75E –04	6 10E + 01
170	2.36E 02	3 89E + 01	3.09E+00	7.31E – 02	9 30E—04	5.79E +01
180	3.04E 02	4 21E + 01	2 79E + 00	5 98E – 02	1.03E –03	5 50E + 01
190	3 84E– –02	4.53E + 01	2.53E + 00	4.92E—02	1.18E– 03	5.21E + 01
200	4.77E – 02	4.84E + 01	2.29E –00	4 06E – 02	1.39E– 03	4 92E + 01

Продолжение табл. 8

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	5.85E−02	5.14E+01	2.07E+00	3.37E−02	1.66E−03	4.64E+01
220	7.11E−02	5.44E+01	1.86E+00	2.79E−02	2.00E−03	4.36E+01
230	8.55E−02	5.73E+01	1.68E+00	2.31E−02	2.42E−03	4.09E+01
240	1.02E−01	6.02E+01	1.51E+00	1.92E−02	2.92E−03	3.82E+01
250	1.21E−01	6.29E+01	1.35E+00	1.59E−02	3.53E−03	3.56E+01
260	1.43E−01	6.55E+01	1.21E+00	1.31E−02	4.26E−03	3.31E+01
270	1.68E−01	6.81E+01	1.07E+00	1.08E−02	5.12E−03	3.07E+01
280	1.96E−01	7.05E+01	9.56E−01	8.90E−03	6.13E−03	2.84E+01
290	2.27E−01	7.28E+01	8.48E−01	7.31E−03	7.32E−03	2.61E+01
300	2.63E−01	7.49E+01	7.51E−01	6.00E−03	8.70E−03	2.40E+01
310	3.05E−01	7.68E+01	6.67E−01	4.94E−03	1.04E−02	2.22E+01
320	3.50E−01	7.87E+01	5.88E−01	4.04E−03	1.22E−02	2.03E+01
330	4.01E−01	8.05E+01	5.17E−01	3.30E−03	1.44E−02	1.85E+01
340	4.58E−01	8.22E+01	4.54E−01	2.69E−03	1.69E−02	1.69E+01
350	5.22E−01	8.37E+01	3.99E−01	2.19E−03	1.98E−02	1.54E+01
360	5.93E−01	8.50E+01	3.49E−01	1.78E−03	2.32E−02	1.40E+01
370	6.73E−01	8.63E+01	3.06E−01	1.45E−03	2.70E−02	1.27E+01
380	7.61E−01	8.74E+01	2.67E−01	1.17E−03	3.14E−02	1.15E+01
390	8.60E−01	8.84E+01	2.33E−01	9.52E−04	3.65E−02	1.04E+01
400	9.70E−01	8.93E+01	2.03E−01	7.72E−04	4.23E−02	9.46E+00
410	1.09E+00	9.01E+01	1.77E−01	6.26E−04	4.90E−02	8.55E+00
420	1.23E+00	9.08E+01	1.55E−01	5.07E−04	5.66E−02	7.73E+00
430	1.38E+00	9.14E+01	1.35E−01	4.10E−04	6.53E−02	6.98E+00
440	1.54E+00	9.20E+01	1.17E−01	3.32E−04	7.52E−02	6.29E+00
450	1.73E+00	9.21E+01	1.02E−01	2.69E−04	8.65E−02	5.68E+00
460	1.93E+00	9.28E+01	8.85E−02	2.17E−04	9.93E−02	5.11E+00
470	2.16E+00	9.30E+01	7.69E−02	1.76E−04	1.14E−01	4.61E+00
480	2.41E+00	9.32E+01	6.68E−02	1.42E−04	1.31E−01	4.15E+00
490	2.69E+00	9.34E+01	5.80E−02	1.15E−04	1.50E−01	3.73E+00
500	2.99E+00	9.34E+01	5.04E−02	9.30E−05	1.71E−01	3.36E+00
510	3.33E+00	9.34E+01	4.37E−02	7.52E−05	1.95E−01	3.02E+00
520	3.69E+00	9.33E+01	3.79E−02	6.07E−05	2.23E−01	2.71E+00
530	4.10E+00	9.32E+01	3.29E−02	4.91E−05	2.54E−01	2.44E+00
540	4.54E+00	9.30E+01	2.85E−02	3.97E−05	2.89E−01	2.19E+00
550	5.03E+00	9.27E+01	2.47E−02	3.20E−05	3.28E−01	1.96E+00
560	5.56E+00	9.23E+01	2.14E−02	2.59E−05	3.73E−01	1.76E+00
570	6.15E+00	9.18E+01	1.85E−02	2.09E−05	4.23E−01	1.58E+00
580	6.78E+00	9.13E+01	1.60E−02	1.69E−05	4.79E−01	1.41E+00
590	7.48E+00	9.07E+01	1.39E−02	1.36E−05	5.41E−01	1.27E+00
600	8.23E+00	9.00E+01	1.20E−02	1.10E−05	6.12E−01	1.13E+00
610	9.05E+00	8.92E+01	1.03E−02	8.85E−06	6.90E−01	1.01E+00
620	9.93E+00	8.84E+01	8.93E−03	7.14E−06	7.77E−01	9.04E−01
630	1.09E+01	8.74E+01	7.70E−03	5.75E−06	8.74E−01	8.07E−01
640	1.19E+01	8.64E+01	6.64E−03	4.63E−06	9.81E−01	7.20E−01
650	1.30E+01	8.52E+01	5.72E−03	3.72E−06	1.10E+00	6.41E−01
660	1.42E+01	8.40E+01	4.92E−03	2.99E−06	1.23E+00	5.71E−01
670	1.55E+01	8.26E+01	4.23E−03	2.40E−06	1.38E+00	5.08E−01
680	1.68E+01	8.12E+01	3.63E−03	1.93E−06	1.53E+00	4.51E−01
690	1.83E+01	7.96E+01	3.11E−03	1.55E−06	1.71E+00	4.00E−01
700	1.98E+01	7.80E+01	2.66E−03	1.21E−06	1.90E+00	3.51E−01

Продолжение табл. 8

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	2.14E+01	7.62E+01	2.28E- 03	9.90E—07	2.10E+00	3.13E- 01
720	2.30E+01	7.44E+01	1.94E--03	7.91E—07	2.32E+00	2.76E—01
730	2.48E+01	7.24E+01	1.66E--03	6.30E—07	2.56E+00	2.43E—01
740	2.66E+01	7.04E+01	1.41E- 03	5.02E—07	2.82E+00	2.14E—01
750	2.85E+01	6.82E+01	1.20E 03	3.99E—07	3.09E+00	1.88E—01
760	3.04E+01	6.60E+01	1.02E--03	3.17E—07	3.39E+00	1.65E—01
770	3.24E+01	6.37E+01	8.60E--04	2.51E—07	3.70E+00	1.44E—01
780	3.45E+01	6.14E+01	7.26E—04	1.99E—07	4.03E+00	1.26E—01
790	3.65E+01	5.90E+01	6.12E—04	1.57E—07	4.38E+00	1.10E—01
800	3.86E+01	5.65E+01	5.15E--04	1.24E—07	4.74E+00	9.52E—02

D 172, LAT—80, LON—45, LT—12, *F* 150; *FAV*—150, A_p—3; UTI—9

80	5.36E- 04	1.04E--03	2.08E+01	9.41E-01	1.30E—05	7.83E+01
90	5.91E—04	2.60E—01	2.02E+01	9.28E- 01	7.93E—05	7.86E+01
100	9.60E—04	2.89E+00	1.78E+01	8.18E- 01	1.32E—04	7.85E+01
110	2.33E—03	8.38E+00	1.31E+01	6.10E—01	2.70E—04	7.79E+01
120	4.64E—03	1.46E+01	8.66E+00	4.28E—01	4.36E—04	7.63E+01
130	4.28E—03	1.94E+01	6.38E+00	3.24E- 01	5.00E—04	7.38E+01
140	4.21E--03	2.31E+01	5.37E+00	2.58E—01	4.78E—04	7.13E+01
150	5.64E—03	2.61E+01	4.79E+00	2.11E--01	4.45E—04	6.89E+01
160	7.74E--03	2.89E+01	4.37E+00	1.76E—01	4.31E—04	6.66E+01
170	1.03E—02	3.15E+01	4.01E+00	1.47E—01	4.42E—04	6.43E+01
180	1.34E--02	3.41E+01	3.70E+00	1.24E—01	4.79E—04	6.21E+01
190	1.71E- 02	3.67E+01	3.41E+00	1.05E- 01	5.41E—04	5.98E+01
200	2.14E—02	3.93E+01	3.14E+00	8.94E—02	6.31E—04	5.75E+01
210	2.64E—02	4.19E+01	2.90E+00	7.59E—02	7.51E- 04	5.51E+01
220	3.23E—02	4.45E+01	2.66E+00	6.45E—02	9.04E—04	5.27E+01
230	3.92E--02	4.72E+01	2.44E+00	5.48E- 02	1.10E- 03	5.03E+01
240	4.72E—02	4.98E+01	2.24E+00	4.65E- 02	1.33E- 03	4.79E+01
250	5.64E—02	5.25E+01	2.04E+00	3.94E—02	1.61E—03	4.54E+01
260	6.70E—02	5.51E+01	1.86E+00	3.33E- 02	1.95E—03	4.30E+01
270	7.91E—02	5.77E+01	1.69E+00	2.81E- 02	2.36E--03	4.05E+01
280	9.29E—02	6.02E+01	1.53E+00	2.37E—02	2.84E—03	3.81E+01
290	1.09E—01	6.28E+01	1.39E+00	1.99E—02	3.40E--03	3.57E+01
300	1.26E—01	6.52E+01	1.25E+00	1.67E 02	4.06E 03	3.34E+01
310	1.48E- 01	6.72E+01	1.14E+00	1.41E 02	4.88E- 03	3.15E+01
320	1.71E—01	6.95E+01	1.02E+00	1.18E 02	5.78E—03	2.93E+01
330	1.96E 01	7.17E+01	9.12E--01	9.82E—03	6.81E—03	2.71E+01
340	2.25E—01	7.38E+01	8.15E--01	8.17E—03	8.01E--03	2.51E+01
350	2.57E—01	7.58E+01	7.26E—01	6.78E- 03	9.40E--03	2.32E+01
360	2.92E--01	7.77E+01	6.46E- 01	5.63E -03	1.10E—02	2.14E+01
370	3.32E—01	7.94E+01	5.74E--01	4.66E- 03	1.28E—02	1.97E+01
380	3.76E—01	8.10E+01	5.09E—01	3.85E—03	1.49E—02	1.81E+01
390	4.26E—01	8.25E+01	4.51E--01	3.18E 03	1.73E- 02	1.66E+01
400	4.81E—01	8.39E+01	3.99E—01	2.63E 03	2.01E 02	1.52E+01

Продолжение табл. 8

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	5.41E−01	8.52E+01	3.53E−01	2.17E−03	2.32E−02	1.39E+01
420	6.09E−01	8.64E+01	3.11E−01	1.79E−03	2.68E−02	1.27E+01
430	6.83E−01	8.74E+01	2.75E−01	1.47E−03	3.08E−02	1.16E+01
440	7.66E−01	8.84E+01	2.42E−01	1.21E−03	3.55E−02	1.06E+01
450	8.57E−01	8.93E+01	2.13E−01	9.95E−04	1.07E−02	9.64E+00
460	9.58E−01	9.00E+01	1.88E−01	8.18E−04	4.67E−02	8.77E+00
470	1.07E+00	9.07E+01	1.65E−01	6.72E−04	5.31E−02	7.98E+00
480	1.19E+00	9.13E+01	1.45E−01	5.52E−04	6.11E−02	7.26E+00
490	1.33E+00	9.19E+01	1.27E−01	4.54E−04	6.97E−02	6.60E+00
500	1.47E+00	9.23E+01	1.12E−01	3.72E−04	7.95E−02	5.99E+00
510	1.64E+00	9.27E+01	9.83E−02	3.06E−04	9.06E−02	5.41E+00
520	1.82E+00	9.31E+01	8.63E−02	2.51E−04	1.03E−01	4.91E+00
530	2.01E+00	9.33E+01	7.57E−02	2.06E−04	1.17E−01	4.48E+00
540	2.23E+00	9.35E+01	6.64E−02	1.69E−04	1.33E−01	4.06E+00
550	2.47E+00	9.36E+01	5.82E−02	1.39E−04	1.51E−01	3.68E+00
560	2.73E+00	9.37E+01	5.10E−02	1.14E−04	1.71E−01	3.31E+00
570	3.01E+00	9.37E+01	4.47E−02	9.33E−05	1.94E−01	3.02E+00
580	3.32E+00	9.37E+01	3.92E−02	7.65E−05	2.19E−01	2.74E+00
590	3.66E+00	9.36E+01	3.43E−02	6.28E−05	2.47E−01	2.48E+00
600	4.03E+00	9.34E+01	3.01E−02	5.15E−05	2.79E−01	2.24E+00
610	4.44E+00	9.32E+01	2.63E−02	4.22E−05	3.15E−01	2.03E+00
620	4.88E+00	9.29E+01	2.30E−02	3.46E−05	3.54E−01	1.83E+00
630	5.36E+00	9.26E+01	2.02E−02	2.84E−05	3.99E−01	1.66E+00
640	5.88E+00	9.22E+01	1.76E−02	2.33E−05	4.48E−01	1.50E+00
650	6.44E+00	9.17E+01	1.51E−02	1.91E−05	5.03E−01	1.35E+00
660	7.05E+00	9.11E+01	1.35E−02	1.56E−05	5.65E−01	1.22E+00
670	7.71E+00	9.05E+01	1.18E−02	1.28E−05	6.33E−01	1.10E+00
680	8.43E+00	8.99E+01	1.03E−02	1.05E−05	7.08E−01	9.93E−01
690	9.20E+00	8.91E+01	8.98E−03	8.60E−06	7.91E−01	8.95E−01
700	1.00E+01	8.83E+01	7.83E−03	7.04E−06	8.83E−01	8.06E−01
710	1.09E+01	8.74E+01	6.83E−03	5.76E−06	9.84E−01	7.25E−01
720	1.19E+01	8.61E+01	5.95E−03	4.71E−06	1.10E+00	6.52E−01
730	1.29E+01	8.53E+01	5.18E−03	3.85E−06	1.22E+00	5.86E−01
740	1.40E+01	8.42E+01	4.50E−03	3.15E−06	1.35E+00	5.26E−01
750	1.51E+01	8.29E+01	3.91E−03	2.57E−06	1.50E+00	4.72E−01
760	1.63E+01	8.16E+01	3.40E−03	2.09E−06	1.66E+00	4.23E−01
770	1.76E+01	8.02E+01	2.95E−03	1.71E−06	1.83E+00	3.78E−01
780	1.90E+01	7.87E+01	2.55E−03	1.39E−06	2.02E+00	3.38E−01
790	2.04E+01	7.71E+01	2.21E−03	1.13E−06	2.22E+00	3.02E−01
800	2.19E+01	7.54E+01	1.91E−03	9.18E−07	2.44E+00	2.69E−01

D—172, LAT—40; LON—15, LT—12; *F*—150; $F\Delta V$—150; A_p—3, UTI—9

80	5.14E−04	1.30E−03	2.08E−01	8.71E−01	3.55E−05	7.83E+01
90	6.09E−04	3.33E−01	2.03E+01	8.20E−01	5.02E−04	7.86E+01
100	9.56E−04	3.75E+00	1.80E+01	6.73E−01	1.63E−04	7.76E+01

Продолжение табл. 8

z, км	H(/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.48E—03	1.12E+01	1.33E+01	4.35E—01	3.72E—04	7.51E+01
120	7.20E—03	1.98E+01	8.86E+00	2.59E—01	6.79E—04	7.11E+01
130	2.03E—02	2.68E+01	6.49E+00	1.65E-01	8.52E-04	6.65E+01
140	4.26E-02	3.26E+01	5.28E+00	1.12E—01	9.14E—04	6.20E+01
150	6.64E—02	3.76E+01	4.51E+00	7.92E—02	9.45E—04	5.77E+01
160	9.37E—02	4.23E+01	3.92E+00	5.85E—02	9.97E-04	5.36E+01
170	1.26E—01	4.67E+01	3.43E+00	4.44E—02	1.09E—03	4.97E+01
180	1.64E—01	5.08E+01	3.01E+00	3.43E—02	1.24E—03	4.60E+01
190	2.09E-01	5.48E+01	2.63E+00	2.68E-02	1.44E—03	4.24E+01
200	2.62E—01	5.85E+01	2.30E+00	2.12E—02	1.72E—03	3.89E+01
210	3.23E—01	6.20E+01	2.01E+00	1.68E—02	2.08E-03	3.57E+01
220	3.93E—01	6.52E+01	1.76E+00	1.33E—02	2.52E—03	3.26E+01
230	4.74E—01	6.83E+01	1.53E+00	1.05E—02	3.07E—03	2.97E+01
240	5.67E—01	7.11E+01	1.33E+00	8.38E—03	3.73E—03	2.70E+01
250	6.73E—01	7.37E+01	1.15E+00	6.65E-03	4.53E—03	2.45E+01
260	7.93E—01	7.61E+01	9.98E—01	5.28E—03	5.48E—03	2.21E+01
270	9.30E—01	7.82E+01	8.63E—01	4.18E—03	6.60E—03	2.00E+01
280	1.09E+00	8.02E+01	7.44E—01	3.31E—03	7.93E—03	1.80E+01
290	1.26E+00	8.19E+01	6.41E—01	2.62E—03	9.50E—03	1.62E+01
300	1.46E+00	8.35E+01	5.52E-01	2.07E-03	1.13E—02	1.45E+01
310	1.68E+00	8.49E+01	4.73E—01	1.63E—03	1.34E—02	1.30E+01
320	1.93E+00	8.60E+01	4.06E—01	1.29E—03	1.59E-02	1.16E+01
330	2.21E+00	8.70E+01	3.48E—01	1.02E—03	1.88E—02	1.04E+01
340	2.53E+00	8.79E+01	2.98E-01	8.03E-04	2.22E-02	9.25E+00
350	2.89E+00	8.86E+01	2.55E—01	6.32E—04	2.61E—02	8.25E+00
360	3.29E+00	8.91E+01	2.18E-01	4.97E—04	3.07E—02	7.34E+00
370	3.73E+00	8.95E+01	1.86E—01	3.91E—01	3.59E-02	6.52E+00
380	4.23E+00	8.98E+01	1.58E—01	3.08E—04	4.20E—02	5.79E+00
390	4.78E+00	8.99E+01	1.35E—01	2.42E-04	4.89E—02	5.13E+00
400	5.40E+00	8.99E+01	1.15E—01	1.90E—04	5.69E—02	4.55E+00
410	6.08E+00	8.97E+01	9.75E—02	1.49E—04	6.60E—02	4.03E+00
420	6.84E+00	8.94E+01	8.28E-02	1.17E-04	7.65E—02	3.56E+00
430	7.67E+00	8.90E+01	7.02E—02	9.13E—05	8.85E—02	3.14E+00
440	8.59E+00	8.85E+01	5.95E—02	7.15E—05	1.02E—01	2.77E+00
450	9.60E+00	8.78E+01	5.04E-02	5.59E-05	1.18E—01	2.44E+00
460	1.07E+01	8.70E+01	4.26E—02	4.37E—05	1.35E-01	2.15E+00
470	1.19E+01	8.60E+01	3.60E—02	3.41E—05	1.55E—01	1.89E+00
480	1.32E+01	8.49E+01	3.04E—02	2.66E-05	1.77E—01	1.65E+00
490	1.47E+01	8.36E+01	2.56E—02	2.07E—05	2.02E—01	1.45E+00
500	1.62E+01	8.22E+01	2.15E—02	1.61E-05	2.30E—01	1.27E+00
510	1.79E+01	8.07E+01	1.81E-02	1.25E-05	2.61E—01	1.11E+00
520	1.97E+01	7.90E+01	1.51E—02	9.70E—06	2.96E—01	9.65E—01
530	2.16E+01	7.72E+01	1.27E—02	7.51E—06	3.35E—01	8.39E+01
540	2.37E+01	7.52E+01	1.06E—02	5.80E—06	3.77E-01	7.28E—01
550	2.58E+01	7.31E+01	8.81E-03	4.48E—06	4.23E—01	6.30E—01
560	2.81E+01	7.09E+01	7.33E—03	3.45E—06	4.74E—01	5.45E—01
570	3.04E+01	6.85E+01	6.08E—03	2.65E—06	5.29E-01	4.70E—01
580	3.29E+01	6.61E+01	5.03E—03	2.03E—06	5.88E—01	4.04E—01
590	3.55E+01	6.35E+01	4.15E—03	1.55E—06	6.52E—01	3.46E—01
600	3.81E+01	6.09E+01	3.42E—03	1.19E-06	7.21E—01	2.96E—01

Продолжение табл. 8

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	4.08E+01	5.82E+01	2.81E—03	9.03E—07	7.94E—01	2.53E—01
620	4.35E+01	5.54E+01	2.30E—03	6.86E—07	8.71E—01	2.15E—01
630	4.62E+01	5.26E+01	1.88E—03	5.20E—07	9.53E—01	1.82E—01
640	4.90E+01	4.98E+01	1.53E 03	3.93E—07	1.04E+00	1.54E—01
650	5.17E+01	4.70E+01	1.24E—03	2.96E—07	1.13E+00	1.30E—01
660	5.44E+01	4.42E+01	1.01E 03	2.23E—07	1.22E+00	1.09E—01
670	5.71E+01	4.15E+01	8.15E—04	1.67E—07	1.32E+00	9.18E—02
680	5.97E+01	3.88E+01	6.57E—04	1.25E—07	1.41E+00	7.68E—02
690	6.22E+01	3.62E+01	5.29E—04	9.35E—08	1.52E+00	6.41E—02
700	6.46E+01	3.37E+01	4.24E—04	6.97E—08	1.62E+00	5.34E—02
710	6.70E+01	3.13E+01	3.40E—04	5.19E—08	1.72E+00	4.44E—02
720	6.92E+01	2.89E+01	2.72E—04	3.85E—08	1.83E+00	3.68E—02
730	7.13E+01	2.67E+01	2.17E—04	2.86E—08	1.94E+00	3.04E—02
740	7.33E+01	2.46E+01	1.73E—04	2.12E—08	2.05E+00	2.51E—02
750	7.52E+01	2.26E+01	1.37E—04	1.56E—08	2.16E+00	2.07E—02
760	7.69E+01	2.08E+01	1.09E 04	1.15E—08	2.27E+00	1.71E—02
770	7.86E+01	1.90E+01	8.64E—05	8.52E—09	2.38E+00	1.40E—02
780	8.01E+01	1.74E+01	6.84E—05	6.27E—09	2.50E+00	1.15E—02
790	8.15E+01	1.59E+01	5.41E 05	4.62E—09	2.61E+00	9.44E—03
800	8.28E+01	1.45E+01	4.27E 05	3.40E—09	2.72E+00	7.74E—03

D—172; LAT—80; LON—45; LT—12; *F*—150; *FΔV*—150; A_p—3; UT1—9

80	5.43E—04	1.20E—03	2.08E+01	8.96E—01	1.67E—05	7.83E+01
90	6.02E 04	3.05E—01	2.04E+01	8.54E—01	1.12E 04	7.84E+01
100	9.55E—04	3.41E+00	1.84E+01	7.13E—01	1.93E—04	7.75E+01
110	2.41E—03	9.89E+00	1.44E+01	4.88E—01	4.44E 04	7.52E+01
120	6.85E 03	1.71E+01	1.05E+01	3.13E—01	8.06E—04	7.20E+01
130	2.19E—02	2.31E+01	8.23E+00	2.13E—01	1.07E—03	6.84E+01
140	5.01E 02	2.81E+01	6.93E+00	1.52E—01	1.22E—03	6.48E+01
150	8.00E—02	3.25E+01	6.06E+00	1.13E—01	1.33E—03	6.13E+01
160	1.14E—01	3.66E+01	5.36E+00	8.63E—02	1.47E—03	5.78E+01
170	1.56E 01	4.06E+01	4.76E+00	6.72E 02	1.67E—03	5.44E+01
180	2.06E—01	4.45E+01	4.23E+00	5.31E—02	1.96E—03	5.10E+01
190	2.66E—01	4.83E+01	3.75E+00	4.22E—02	2.36E—03	4.76E+01
200	3.38E—01	5.20E+01	3.32E+00	3.37E 02	2.88E—03	4.43E+01
210	4.24E—01	5.55E+01	2.93E+00	2.69E—02	3.55E—03	4.11E+01
220	5.24E—01	5.89E+01	2.58E+00	2.15E—02	4.40E—03	3.79E+01
230	6.42E—01	6.22E+01	2.27E+00	1.72E—02	5.46E—03	3.49E+01
240	7.79E—01	6.53E+01	1.98E+00	1.37E—02	6.76E—03	3.20E+01
250	9.38E 01	6.81E+01	1.73E+00	1.09E 02	8.34E—03	2.92E+01
260	1.12E+00	7.08E+01	1.50E+00	8.67E—03	1.02E 02	2.65E+01
270	1.33E+00	7.33E+01	1.30E+00	6.87E—03	1.25E—02	2.40E+01
280	1.57E+00	7.56E+01	1.13E+00	5.43E—03	1.53E—02	2.17E+01
290	1.85E+00	7.76E+01	9.69E—01	4.28E—03	1.85E—02	1.96E+01
300	2.16E+00	7.94E+01	8.33E—01	3.37E—03	2.24E—02	1.76E+01

Продолжение табл. 8

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	2.53E+00	8.10E+01	7.16E—01	2.66E—03	2.70E—02	1.58E+01
320	2.93E+00	8.23E+01	6.12E—01	2.08E—03	3.23E—02	1.41E+01
330	3.39E+00	8.35E+01	5.22E—01	1.63E—03	3.86E—02	1.25E+01
340	3.90E+00	8.45E+01	4.44E—01	1.27E—03	4.59E—02	1.11E+01
350	4.48E+00	8.52E+01	3.77E—01	9.90E—04	5.44E—02	9.88E+00
360	5.13E+00	8.57E+01	3.20E—01	7.70E—04	6.43E—02	8.74E+00
370	5.85E+00	8.61E+01	2.71E—01	5.99E—04	7.57E—02	7.72E+00
380	6.66E+00	8.62E+01	2.29E—01	4.65E—04	8.90E—02	6.81E+00
390	7.56E+00	8.62E+01	1.93E—01	3.60E—04	1.04E—01	5.99E+00
400	8.55E+00	8.59E+01	1.62E—01	2.79E—04	1.22E—01	5.26E+00
410	9.66E+00	8.55E+01	1.37E—01	2.15E—04	1.42E—01	4.61E+00
420	1.09E+01	8.48E+01	1.15E—01	1.66E—04	1.65E—01	4.04E+00
430	1.22E+01	8.40E+01	9.60E—02	1.28E—04	1.91E—01	3.53E+00
440	1.37E+01	8.30E+01	8.02E—02	9.84E—05	2.21E—01	3.07E+00
450	1.53E+01	8.17E+01	6.69E—02	7.55E—05	2.54E—01	2.67E+00
460	1.70E+01	8.03E+01	5.57E—02	5.79E—05	2.92E—01	2.32E+00
470	1.88E+01	7.88E+01	4.63E—02	4.43E—05	3.34E—01	2.01E+00
480	2.09E+01	7.70E+01	3.84E—02	3.38E—05	3.81E—01	1.73E+00
490	2.30E+01	7.50E+01	3.17E—02	2.57E—05	4.33E—01	1.49E+00
500	2.53E+01	7.29E+01	2.62E—02	1.96E—05	4.91E—01	1.28E+00
510	2.77E+01	7.07E+01	2.15E—02	1.48E—05	5.55E—01	1.10E+00
520	3.02E+01	6.82E+01	1.77E—02	1.12E—05	6.24E—01	9.41E—01
530	3.28E+01	6.57E+01	1.45E—02	8.46E—06	6.99E—01	8.01E—01
540	3.56E+01	6.30E+01	1.18E—02	6.36E—06	7.81E—01	6.81E—01
550	3.84E+01	6.02E+01	9.59E—03	4.77E—06	8.68E—01	5.76E—01
560	4.12E+01	5.73E+01	7.77E—03	3.57E—06	9.62E—01	4.86E—01
570	4.41E+01	5.44E+01	6.28E—03	2.66E—06	1.06E+00	4.09E—01
580	4.71E+01	5.14E+01	5.06E—03	1.98E—06	1.17E+00	3.43E—01
590	5.00E+01	4.85E+01	4.06E—03	1.47E—06	1.28E+00	2.87E—01
600	5.29E+01	4.55E+01	3.25E—03	1.08E—06	1.39E+00	2.39E—01
610	5.57E+01	4.26E+01	2.60E—03	8.00E—07	1.51E+00	1.98E—01
620	5.85E+01	3.97E+01	2.07E—03	5.88E—07	1.63E+00	1.64E—01
630	6.12E+01	3.69E+01	1.64E—03	4.31E—07	1.76E+00	1.36E—01
640	6.38E+01	3.42E+01	1.30E—03	3.16E—07	1.89E+00	1.12E—01
650	6.63E+01	3.16E+01	1.03E—03	2.30E—07	2.02E+00	9.17E—02
660	6.87E+01	2.91E+01	8.07E—04	1.68E—07	2.16E+00	7.51E—02
670	7.09E+01	2.67E+01	6.34E—04	1.22E—07	2.29E+00	6.14E—02
680	7.30E+01	2.45E+01	4.98E—04	8.84E—08	2.43E+00	5.00E—02
690	7.50E+01	2.24E+01	3.89E—04	6.41E—08	2.57E+00	4.07E—02
700	7.68E+01	2.04E+01	3.04E—04	4.63E—08	2.71E+00	3.31E—02
710	7.85E+01	1.86E+01	2.37E—04	3.35E—08	2.85E+00	2.68E—02
720	8.01E+01	1.69E+01	1.85E—04	2.41E—08	3.00E+00	2.17E—02
730	8.15E+01	1.53E+01	1.44E—04	1.74E—08	3.14E+00	1.76E—02
740	8.28E+01	1.39E+01	1.12E—04	1.25E—08	3.28E+00	1.42E—02
750	8.40E+01	1.25E+01	8.69E—05	9.01E—09	3.42E+00	1.14E—02
760	8.51E+01	1.13E+01	6.74E—05	6.48E—09	3.57E+00	9.22E—03
770	8.60E+01	1.02E+01	5.23E—05	4.66E—09	3.71E+00	7.43E—03
780	8.69E+01	9.23E+00	4.05E—05	3.35E—09	3.86E+00	5.98E—03
790	8.77E+01	8.31E+00	3.14E—05	2.40E—09	4.00E+00	4.81E—03
800	8.84E+01	7.48E+00	2.43E—05	1.73E—09	4.15E+00	3.87E—03

Таблица 9

Широтные вариации состава при высокой солнечной активности для летнего солнцестояния в северном и зимнего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—172; LAT—0; LON—45; LT—12; F—200; $F\Delta V$—200; A_p—3; UT1—9					
80	5.54E—04	1.22E—03	2.07E+01	8.97E—01	1.45E—05	7.84E+01
90	6.17E—04	3.11E—01	2.01E+01	8.61E—01	8.85E—05	7.87E+01
100	9.61E—04	3.48E+00	1.76E+01	7.34E—01	1.28E—04	7.82E+01
110	2.49E—03	1.07E+01	1.23E+01	4.82E—01	2.84E—04	7.65E+01
120	4.79E—03	1.81E+01	7.94E+00	3.23E—01	3.78E—04	7.36E+01
130	7.42E—03	2.34E+01	5.80E+00	2.36E—01	3.71E—04	7.06E+01
140	1.14E—02	2.77E+01	4.80E+00	1.77E—01	3.49E—04	6.73E+01
150	1.69E—02	3.16E+01	4.20E+00	1.35E—01	3.39E—04	6.40E+01
160	2.38E—02	3.54E+01	3.75E+00	1.06E—01	3.46E—04	6.07E+01
170	3.21E—02	3.90E+01	3.37E+00	8.47E—02	3.72E—04	5.75E+01
180	4.19E—02	4.24E+01	3.03E+00	6.88E—02	4.16E—04	5.44E+01
190	5.37E—02	4.58E+01	2.73E+00	5.62E—02	4.85E—04	5.13E+01
200	6.70E—02	4.90E+01	2.47E+00	4.64E—02	5.72E—04	4.84E+01
210	8.21E—02	5.21E+01	2.23E+00	3.85E—02	6.83E—04	4.56E+01
220	9.94E—02	5.50E+01	2.01E+00	3.21E—02	8.19E—04	4.28E+01
230	1.19E—01	5.78E+01	1.82E+00	2.68E—02	9.82E—04	4.02E+01
240	1.41E—01	6.05E+01	1.64E+00	2.24E—02	1.18E—03	3.77E+01
250	1.65E—01	6.31E+01	1.48E+00	1.88E—02	1.40E—03	3.52E+01
260	1.92E—01	6.56E+01	1.33E+00	1.57E—02	1.67E—03	3.29E+01
270	2.23E—01	6.79E+01	1.20E+00	1.32E—02	1.97E—03	3.07E+01
280	2.57E—01	7.01E+01	1.08E+00	1.10E—02	2.33E—03	2.85E+01
290	2.95E—01	7.22E+01	9.66E—01	9.24E—03	2.73E—03	2.65E+01
300	3.36E—01	7.42E+01	8.65E—01	7.73E—03	3.20E—03	2.46E+01
310	3.83E—01	7.60E+01	7.76E—01	6.48E—03	3.74E—03	2.28E+01
320	4.35E—01	7.78E+01	6.93E—01	5.41E—03	4.34E—03	2.11E+01
330	4.91E—01	7.94E+01	6.19E—01	4.51E—03	5.03E—03	1.95E+01
340	5.54E—01	8.10E+01	5.51E—01	3.76E—03	5.82E—03	1.79E+01
350	6.24E—01	8.24E+01	4.91E—01	3.13E—03	6.72E—03	1.65E+01
360	7.01E—01	8.37E+01	4.36E—01	2.60E—03	7.73E—03	1.52E+01
370	7.85E—01	8.49E+01	3.88E—01	2.16E—03	8.89E—03	1.39E+01
380	8.79E—01	8.60E+01	3.44E—01	1.80E—03	1.02E—02	1.28E+01
390	9.81E—01	8.70E+01	3.05E—01	1.49E—03	1.17E—02	1.17E+01
400	1.19E+00	8.82E+01	2.56E—01	1.14E—03	1.46E—02	1.03E+01
410	1.32E+00	8.90E+01	2.27E—01	9.47E—04	1.67E—02	9.43E+00
420	1.47E+00	8.97E+01	2.01E—01	7.85E—04	1.90E—02	8.62E+00
430	1.63E+00	9.03E+01	1.78E—01	6.50E—04	2.16E—02	7.87E+00
440	1.81E+00	9.08E+01	1.57E—01	5.39E—04	2.45E—02	7.19E+00
450	2.00E+00	9.13E+01	1.39E—01	4.46E—04	2.78E—02	6.56E+00
460	2.21E+00	9.17E+01	1.22E—01	3.69E—04	3.15E—02	5.98E+00
470	2.44E+00	9.20E+01	1.08E—01	3.06E—04	3.57E—02	5.45E+00
480	2.70E+00	9.22E+01	9.53E—02	2.53E—04	4.03E—02	4.96E+00
490	2.97E+00	9.24E+01	8.40E—02	2.09E—04	4.55E—02	4.52E+00
500	3.27E+00	9.25E+01	7.41E—02	1.73E—04	5.13E—02	4.11E+00

Продолжение табл. 9

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	3.60E+00	9.25E−01	6.53E−02	1.43E−04	5.79E−02	3.74E+00
520	3.96E+00	9.25E+01	5.75E−02	1.19E−04	6.51E−02	3.40E+00
530	4.35E+00	9.24E+01	5.07E−02	9.80E−05	7.32E−02	3.09E+00
540	4.77E+00	9.23E+01	4.46E−02	8.11E−05	8.22E−02	2.81E+00
550	5.23E+00	9.21E+01	3.93E−02	6.70E−05	9.23E−02	2.55E+00
560	5.72E+00	9.18E+01	3.46E−02	5.54E−05	1.03E−01	2.32E+00
570	6.26E+00	9.15E+01	3.04E−02	4.58E−05	1.16E−01	2.10E+00
580	6.84E+00	9.11E+01	2.68E−02	3.79E−05	1.30E−01	1.91E+00
590	7.47E+00	9.06E+01	2.35E−02	3.13E−05	1.45E−01	1.73E+00
600	8.15E+00	9.01E+01	2.07E−02	2.59E−05	1.62E−01	1.57E+00
610	8.88E+00	8.95E+01	1.82E−02	2.14E−05	1.80E−01	1.42E+00
620	9.66E+00	8.88E+01	1.59E−02	1.76E−05	2.01E−01	1.29E+00
630	1.05E+01	8.81E+01	1.40E−02	1.46E−05	2.23E−01	1.16E+00
640	1.14E+01	8.73E+01	1.23E−02	1.20E−05	2.48E−01	1.05E+00
650	1.24E+01	8.64E+01	1.07E−02	9.90E−06	2.75E−01	9.51E−01
660	1.34E+01	8.54E+01	9.41E−03	8.16E−06	3.05E−01	8.58E−01
670	1.45E+01	8.44E+01	8.24E−03	6.73E−06	3.37E−01	7.74E−01
680	1.56E+01	8.33E+01	7.21E−03	5.54E−06	3.72E−01	6.98E−01
690	1.69E+01	8.21E+01	6.30E−03	4.56E−06	4.11E−01	6.29E−01
700	1.82E+01	8.08E+01	5.50E−03	3.75E−06	4.53E−01	5.66E−01
710	1.95E+01	7.94E+01	4.80E−03	3.08E−06	4.98E−01	5.08E−01
720	2.10E+01	7.80E+01	4.18E−03	2.53E−06	5.47E−01	4.56E−01
730	2.25E+01	7.65E+01	3.64E−03	2.07E−06	5.99E−01	4.09E−01
740	2.41E+01	7.49E+01	3.17E−03	1.70E−06	6.56E−01	3.67E−01
750	2.57E+01	7.32E+01	2.75E−03	1.39E−06	7.16E−01	3.28E−01
760	2.74E+01	7.15E+01	2.39E−03	1.14E−06	7.81E−01	2.93E−01
770	2.92E+01	6.97E+01	2.07E−03	9.30E−07	8.50E−01	2.62E−01
780	3.10E+01	6.78E+01	1.79E−03	7.59E−07	9.23E−01	2.33E−01
790	3.29E+01	6.59E+01	1.55E−03	6.19E−07	1.00E+00	2.08E−01
800	3.48E+01	6.39E+01	1.33E−03	5.04E−07	1.08E+00	1.84E−01

D—172; LAT—40; LON—45; LT—12; *F*—200; *FΔV*—200, A_p—3; UT1—9

80	5.41E−04	1.21E−03	2.07E+01	8.95E−01	1.37E−05	7.84E+01
90	6.08E−04	3.07E−01	2.00E+01	8.54E−01	8.49E−05	7.88E+01
100	9.63E−04	3.46E+00	1.73E+01	7.21E−01	1.31E−04	7.86E+01
110	2.28E−03	1.04E+01	1.19E+01	4.88E−01	2.65E−04	7.73E+01
120	4.48E−03	1.81E+01	7.20E+00	3.14E−01	3.90E−04	7.44E+01
130	5.74E−03	2.31E+01	5.13E+00	2.29E−01	3.73E−04	7.15E+01
140	7.80E−03	2.72E+01	4.21E+00	1.72E−01	3.46E−04	6.84E+01
150	1.12E−02	3.09E+01	3.69E+00	1.32E−01	3.31E−04	6.53E+01
160	1.55E−02	3.44E+01	3.31E+00	1.04E−01	3.34E−04	6.21E+01
170	2.07E−02	3.78E+01	2.99E+00	8.40E−02	3.55E−04	5.91E+01
180	2.68E−02	4.10E+01	2.72E+00	6.88E−02	3.93E−04	5.62E+01
190	3.41E−02	4.42E+01	2.46E+00	5.67E−02	4.54E−04	5.33E+01
200	4.24E−02	4.72E+01	2.24E+00	4.72E−02	5.33E−04	5.05E+01

Продолжение табл. 9

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	5.17E—02	5.01E+01	2.04E+00	3.95E—02	6.33E—04	4.77E+01
220	6.24E—02	5.30E+01	1.85E+00	3.32E—02	7.55E—04	4.51E+01
230	7.44E—02	5.57E+01	1.68E+00	2.80E—02	9.02E—04	4.25E+01
240	8.79E—02	5.83E+01	1.52E+00	2.36E—02	1.08E—03	4.00E+01
250	1.03E—01	6.09E+01	1.38E+00	2.00E—02	1.28E—03	3.76E+01
260	1.20E—01	6.33E+01	1.25E+00	1.69E—02	1.52E—03	3.53E+01
270	1.39E—01	6.57E+01	1.13E+00	1.42E—02	1.79E—03	3.31E+01
280	1.59E—01	6.79E+01	1.02E+00	1.20E—02	2.11E—03	3.09E+01
290	1.83E—01	7.00E+01	9.24E—01	1.01E—02	2.47E—03	2.88E+01
300	2.08E—01	7.21E+01	8.33E—01	8.55E—03	2.89E—03	2.69E+01
310	2.37E—01	7.39E+01	7.52E—01	7.23E—03	3.37E—03	2.51E+01
320	2.68E—01	7.58E+01	6.76E—01	6.08E—03	3.91E—03	2.33E+01
330	3.03E—01	7.75E+01	6.06E—01	5.11E—03	4.52E—03	2.16E+01
340	3.41E—01	7.91E+01	5.44E—01	4.29E—03	5.22E—03	2.00E+01
350	3.84E—01	8.06E+01	4.87E—01	3.60E—03	6.01E—03	1.85E+01
360	4.30E—01	8.20E+01	4.35E—01	3.02E—03	6.90E—03	1.71E+01
370	4.82E—01	8.34E+01	3.89E—01	2.53E—03	7.91E—03	1.58E+01
380	5.38E—01	8.46E+01	3.47E—01	2.12E—03	9.06E—03	1.45E+01
390	6.00E—01	8.57E+01	3.10E—01	1.77E—03	1.03E—02	1.34E+01
400	6.74E—01	8.68E+01	2.75E—01	1.47E—03	1.19E—02	1.23E+01
410	7.49E—01	8.77E+01	2.45E—01	1.23E—03	1.35E—02	1.13E+01
420	8.31E—01	8.86E+01	2.18E—01	1.03E—03	1.54E—02	1.04E+01
430	9.22E—01	8.94E+01	1.94E—01	8.60E—04	1.75E—02	9.51E+00
440	1.02E+00	9.01E+01	1.72E—01	7.18E—04	1.98E—02	8.73E+00
450	1.13E+00	9.07E+01	1.53E—01	5.99E—04	2.24E—02	8.00E+00
460	1.25E+00	9.13E+01	1.36E—01	5.00E—04	2.54E—02	7.33E+00
470	1.38E+00	9.18E+01	1.21E—01	4.18E—04	2.87E—02	6.72E+00
480	1.52E+00	9.22E+01	1.07E—01	3.48E—04	3.23E—02	6.15E+00
490	1.67E+00	9.26E+01	9.52E—02	2.91E—04	3.65E—02	5.63E+00
500	1.84E+00	9.29E+01	8.44E—02	2.43E—04	4.11E—02	5.15E+00
510	2.02E+00	9.31E+01	7.49E—02	2.02E—04	4.62E—02	4.71E+00
520	2.22E+00	9.34E+01	6.64E—02	1.69E—04	5.19E—02	4.31E+00
530	2.44E+00	9.35E+01	5.89E—02	1.41E—04	5.83E—02	3.94E+00
540	2.67E+00	9.36E+01	5.22E—02	1.17E—04	6.54E—02	3.60E+00
550	2.93E+00	9.37E+01	4.63E—02	9.80E—05	7.34E—02	3.29E+00
560	3.21E+00	9.37E+01	4.10E—02	8.17E—05	8.22E—02	3.00E+00
570	3.51E+00	9.36E+01	3.63E—02	6.82E—05	9.19E—02	2.74E+00
580	3.84E+00	9.35E+01	3.22E—02	5.69E—05	1.03E—01	2.50E+00
590	4.19E+00	9.34E+01	2.85E—02	4.74E—05	1.15E—01	2.28E+00
600	4.58E+00	9.32E+01	2.52E—02	3.96E—05	1.28E—01	2.08E+00
610	4.99E+00	9.29E+01	2.23E—02	3.30E—05	1.43E—01	1.90E+00
620	5.44E+00	9.26E+01	1.98E—02	2.75E—05	1.59E—01	1.73E+00
630	5.92E+00	9.23E+01	1.75E—02	2.30E—05	1.77E—01	1.58E+00
640	6.45E+00	9.19E+01	1.55E—02	1.91E—05	1.97E—01	1.44E+00
650	7.01E+00	9.14E+01	1.37E—02	1.60E—05	2.19E—01	1.31E+00
660	7.61E+00	9.09E+01	1.21E—02	1.33E—05	2.43E—01	1.19E+00
670	8.26E+00	9.04E+01	1.07E—02	1.11E—05	2.70E—01	1.09E+00
680	8.95E+00	8.98E+01	9.46E—03	9.25E—06	2.99E—01	9.89E—01
690	9.69E+00	8.91E+01	8.35E—03	7.70E—06	3.31E—01	8.99E—01
700	1.05E+01	8.83E+01	7.37E—03	6.42E—06	3.66E—01	8.17E—01

Продолжение табл. 9

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H.S, %	N_2/S, %
710	1.13E+01	8.75E+01	6.51E-03	5.35E—06	4.05E—01	7.42E-01
720	1.22E+01	8.66E+01	5.74E—03	4.45E—06	4.46E—01	6.74E-01
730	1.32E+01	8.57E+01	5.06E—03	3.70E—06	4.92E—01	6.11E—01
740	1.42E+01	8.47E+01	4.46E—03	3.08E—06	5.41E—01	5.54E-01
750	1.53E+01	8.36E+01	3.92E—03	2.56E—06	5.95E—01	5.02E—01
760	1.64E+01	8.25E+01	3.45E—03	2.13E—06	6.53E—01	4.55E—01
770	1.76E+01	8.12E+01	3.04E-03	1.77E—06	7.16E-01	4.11E-01
780	1.89E+01	8.00E+01	2.67E—03	1.47E—06	7.84E—01	3.72E—01
790	2.02E+01	7.86E+01	2.34E—03	1.22E-06	8.57E-01	3.36E—01
800	2.16E+01	7.72E+01	2.05E—03	1.01E-06	9.35E—01	3.03E—01
	D—172, LAT—80; LON—45; LT—12; *F*—200, $F\Delta V$—200; A_p—3; UT1—9					
80	5.37E-04	1.08E-03	2.07E+01	9.39E-01	1.18E—05	7.83E+01
90	5.91E—04	2.71E—01	2.01E+01	9.26E-01	6.87E—05	7.87E+01
100	9.62E—04	3.04E+00	1.76E+01	8.15E—01	1.09E—04	7.86E+01
110	2.37E—03	8.85E+00	1.26E+01	6.05E—01	2.12E—04	7.79E+01
120	4.88E—03	1.54E+01	8.10E+00	1.24E-01	3.17E—04	7.60E+01
130	4.95E-03	2.03E+01	5.87E+00	3.22E—01	3.31E—04	7.35E+01
140	5.12E—03	2.39E+01	4.91E+00	2.59E—01	2.88E—04	7.09E+01
150	6.81E—03	2.68E+01	4.39E+00	2.15E—01	2.47E—04	6.85E+01
160	9.16E—03	2.95E+01	4.02E+00	1.81E-01	2.22E—04	6.63E+01
170	1.20E—02	3.20E+01	3.72E+00	1.54E—01	2.14E-04	6.41E+01
180	1.52E—02	3.44E+01	3.45E+00	1.32E-01	2.20E—04	6.20E+01
190	1.89E—02	3.67E+01	3.20E+00	1.13E—01	2.39E—04	5.99E+01
200	2.32E—02	3.91E+01	2.98E+00	9.79E-02	2.68E—04	5.78E+01
210	2.81E—02	4.14E+01	2.77E+00	8.47E—02	3.09E—04	5.57E+01
220	3.37E—02	4.38E+01	2.57E+00	7.33E—02	3.61E—04	5.35E+01
230	4.01E—02	4.61E+01	2.38E+00	6.34E-02	4.26E—04	5.14E+01
240	4.73E—02	4.85E+01	2.20E+00	5.49E—02	5.04E—04	4.92E+01
250	5.54E—02	5.08E+01	2.04E+00	4.76E—02	5.97E—04	4.70E+01
260	6.46E—02	5.32E+01	1.88E+00	4.11E—02	7.07E-04	4.48E+01
270	7.50E—02	5.55E+01	1.73E+00	3.55E—02	8.35E—04	4.27E+01
280	8.65E—02	5.78E+01	1.59E+00	3.06E—02	9.83E—04	4.05E+01
290	9.95E—02	6.00E+01	1.46E+00	2.63E—02	1.15E—03	3.84E+01
300	1.14E—01	6.22E+01	1.34E+00	2.27E-02	1.35E-03	3.63E+01
310	1.31E—01	6.41E+01	1.24E+00	1.96E—02	1.59E—03	3.45E+01
320	1.49E-01	6.62E+01	1.13E+00	1.68E—02	1.85E—03	3.25E+01
330	1.69E—01	6.83E+01	1.03E+00	1.44E—02	2.14E—03	3.05E+01
340	1.91E—01	7.02E+01	9.32E-01	1.23E—02	2.47E—03	2.86E+01
350	2.15E—01	7.21E+01	8.47E-01	1.05E-02	2.85E—03	2.68E+01
360	2.41E—01	7.39E+01	7.68E—01	8.95E—03	3.28E—03	2.51E+01
370	2.71E—01	7.56E+01	6.95E—01	7.63E—03	3.76E—03	2.34E+01
380	3.03E—01	7.72E+01	6.29E—01	6.49E—03	4.31E—03	2.18E+01
390	3.38E—01	7.88E+01	5.68E—01	5.52E—03	4.92E—03	2.03E+01
400	3.77E—01	8.02E+01	5.13E-01	4.69E—03	5.62E-03	1.89E+01

Продолжение табл. 9

z, км	He/S, %	O/S, %	O_M/S, %	Ar/S, %	H/S, %	N_2/S, %
410	4.20E—01	8.16E+01	4.62E—01	3.98E—03	6.39E—03	1.76E+01
420	4.67E—01	8.28E+01	4.16E—01	3.38E—03	7.27E—03	1.63E+01
430	5.18E—01	8.40E+01	3.75E—01	2.86E—03	8.24E—03	1.51E+01
440	5.73E—01	8.51E+01	3.37E—01	2.43E—03	9.34E—03	1.40E+01
450	6.34E—01	8.61E+01	3.03E—01	2.05E—03	1.06E—02	1.30E+01
460	7.01E—01	8.70E+01	2.72E—01	1.74E—03	1.19E—02	1.20E+01
470	7.73E—01	8.79E+01	2.44E—01	1.47E—03	1.35E—02	1.11E+01
480	8.52E—01	8.87E+01	2.19E—01	1.24E—03	1.52E—02	1.02E+01
490	9.38E—01	8.94E+01	1.96E—01	1.05E—03	1.71E—02	9.45E+00
500	1.03E+00	9.01E+01	1.76E—01	8.89E—04	1.92E—02	8.72E+00
510	1.13E+00	9.06E+01	1.58E—01	7.52E—04	2.15E—02	8.04E+00
520	1.24E+00	9.12E+01	1.41E—01	6.35E—04	2.42E—02	7.41E+00
530	1.36E+00	9.17E+01	1.26E—01	5.37E—04	2.71E—02	6.83E+00
540	1.49E+00	9.21E+01	1.13E—01	4.53E—04	3.03E—02	6.29E+00
550	1.64E+00	9.24E+01	1.01E—01	3.83E—04	3.39E—02	5.80E+00
560	1.79E+00	9.27E+01	9.05E—02	3.23E—04	3.79E—02	5.34E+00
570	1.95E+00	9.30E+01	8.09E—02	2.73E—04	4.23E—02	4.91E+00
580	2.13E+00	9.32E+01	7.23E—02	2.31E—04	4.72E—02	4.52E+00
590	2.33E+00	9.34E+01	6.47E—02	1.95E—04	5.26E—02	4.16E+00
600	2.54E+00	9.35E+01	5.78E—02	1.64E—04	5.86E—02	3.82E+00
610	2.77E+00	9.36E+01	5.17E—02	1.39E—04	6.52E—02	3.51E+00
620	3.01E+00	9.36E+01	4.62E—02	1.17E—04	7.25E—02	3.23E+00
630	3.28E+00	9.36E+01	4.13E—02	9.91E—05	8.06E—02	2.97E+00
640	3.56E+00	9.36E+01	3.69E—02	8.37E—05	8.94E—02	2.73E+00
650	3.87E+00	9.35E+01	3.29E—02	7.07E—05	9.92E—02	2.50E+00
660	4.20E+00	9.34E+01	2.94E—02	5.97E—05	1.10E—01	2.30E+00
670	4.56E+00	9.32E+01	2.63E—02	5.04E—05	1.22E—01	2.11E+00
680	4.94E+00	9.30E+01	2.34E—02	4.26E—05	1.35E—01	1.94E+00
690	5.36E+00	9.27E+01	2.09E—02	3.60E—05	1.49E—01	1.78E+00
700	5.80E+00	9.24E+01	1.87E—02	3.04E—05	1.65E—01	1.63E+00
710	6.27E+00	9.20E+01	1.67E—02	2.57E—05	1.82E—01	1.50E+00
720	6.78E+00	9.16E+01	1.49E—02	2.17E—05	2.01E—01	1.37E+00
730	7.33E+00	9.12E+01	1.33E—02	1.83E—05	2.22E—01	1.26E+00
740	7.91E+00	9.07E+01	1.18E—02	1.55E—05	2.44E—01	1.15E+00
750	8.53E+00	9.01E+01	1.05E—02	1.31E—05	2.69E—01	1.06E+00
760	9.19E+00	8.95E+01	9.40E—03	1.10E—05	2.96E—01	9.68E—01
770	9.89E+00	8.89E+01	8.37E—03	9.30E—06	3.25E—01	8.86E—01
780	1.06E+01	8.82E+01	7.46E—03	7.85E—06	3.56E—01	8.10E—01
790	1.14E+01	8.74E+01	6.64E—03	6.62E—06	3.91E—01	7.41E—01
800	1.23E+01	8.66E+01	5.91E—03	5.58E—06	4.28E—01	6.78E—01

D—172; LAT—40; LON—45; LT—12; *F*—200; $F\Delta V$—200; A_p—3; UT1—9

80	5.44E—04	1.35E—03	2.08E+01	8.73E—01	1.43E—05	7.83E+01
90	6.10E—04	3.49E—01	2.02E+01	8.19E—01	8.94E—05	7.86E+01
100	9.56E—04	3.95E+00	1.77E+01	6.70E—01	1.35E—04	7.76E+01

Продолжение табл. 9

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.31E—03	1.18E+01	1.28E+01	4.30E—01	2.74E—04	7.50E+01
120	4.76E—03	1.95E+01	8.61E+00	2.82E—01	3.43E—04	7.16E+01
130	1.21E—02	2.57E+01	6.35E+00	1.90E—01	3.56E—04	6.78E+01
140	2.50E—02	3.07E+01	5.24E+00	1.34E—01	3.40E—04	6.39E+01
150	3.88E—02	3.54E+01	4.53E+00	9.69E—02	3.34E—04	6.00E+01
160	5.54E—02	4.00E+01	3.96E+00	7.20E—02	3.48E—04	5.59E+01
170	7.61E—02	4.45E+01	3.47E+00	5.46E—02	3.84E—04	5.19E+01
180	1.01E—01	4.88E+01	3.03E+00	4.21E—02	4.43E—04	4.80E+01
190	1.32E—01	5.30E+01	2.65E+00	3.28E—02	5.30E—04	4.42E+01
200	1.68E—01	5.69E+01	2.32E+00	2.58E—02	6.40E—04	4.06E+01
210	2.09E—01	6.04E+01	2.03E+00	2.05E—02	7.80E—04	3.73E+01
220	2.56E—01	6.38E+01	1.78E+00	1.64E—02	9.50E—04	3.42E+01
230	3.09E—01	6.68E+01	1.56E+00	1.31E—02	1.16E—03	3.13E+01
240	3.68E—01	6.96E+01	1.37E+00	1.06E—02	1.40E—03	2.86E+01
250	4.34E—01	7.22E+01	1.20E+00	8.54E—03	1.68E—03	2.61E+01
260	5.07E—01	7.46E+01	1.05E+00	6.92E—03	2.01E—03	2.39E+01
270	5.88E—01	7.67E+01	9.23E—01	5.61E—03	2.39E—03	2.18E+01
280	6.78E—01	7.86E+01	8.10E—01	4.56E—03	2.83E—03	1.99E+01
290	7.76E—01	8.04E+01	7.11E—01	3.72E—03	3.33E—03	1.81E+01
300	8.84E—01	8.20E+01	6.25E—01	3.03E—03	3.89E—03	1.65E+01
310	9.99E—01	8.35E+01	5.46E—01	2.46E—03	4.51E—03	1.50E+01
320	1.13E+00	8.48E+01	4.79E—01	2.01E—03	5.26E—03	1.36E+01
330	1.28E+00	8.59E+01	4.20E—01	1.64E—03	6.10E—03	1.24E+01
340	1.45E+00	8.69E+01	3.68E—01	1.34E—03	7.07E—03	1.13E+01
350	1.63E+00	8.78E+01	3.22E—01	1.09E—03	8.18E—03	1.02E+01
360	1.83E+00	8.86E+01	2.82E—01	8.85E—04	9.45E—03	9.25E+00
370	2.05E+00	8.93E+01	2.46E—01	7.20E—04	1.09E—02	8.37E+00
380	2.30E+00	8.99E+01	2.15E—01	5.85E—04	1.25E—02	7.58E+00
390	2.57E+00	9.04E+01	1.87E—01	4.76E—04	1.44E—02	6.85E+00
400	2.85E+00	9.08E+01	1.64E—01	3.89E—04	1.64E—02	6.21E+00
410	3.18E+00	9.11E+01	1.43E—01	3.16E—04	1.88E—02	5.60E+00
420	3.54E+00	9.13E+01	1.25E—01	2.57E—04	2.14E—02	5.05E+00
430	3.94E+00	9.14E+01	1.08E—01	2.08E—04	2.45E—02	4.56E+00
440	4.38E+00	9.14E+01	9.44E—02	1.69E—04	2.79E—02	4.11E+00
450	4.86E+00	9.13E+01	8.21E—02	1.37E—04	3.18E—02	3.70E+00
460	5.38E+00	9.12E+01	7.13E—02	1.11E—04	3.61E—02	3.33E+00
470	5.95E+00	9.10E+01	6.20E—02	9.02E—05	4.10E—02	2.99E+00
480	6.58E+00	9.06E+01	5.38E—02	7.31E—05	4.65E—02	2.69E+00
490	7.26E+00	9.02E+01	4.67E—02	5.92E—05	5.27E—02	2.41E+00
500	8.00E+00	8.97E+01	4.05E—02	4.80E—05	5.96E—02	2.17E+00
510	8.80E+00	8.92E+01	3.51E—02	3.88E—05	6.73E—02	1.94E+00
520	9.68E+00	8.85E+01	3.04E—02	3.14E—05	7.58E—02	1.74E+00
530	1.06E+01	8.77E+01	2.63E—02	2.54E—05	8.54E—02	1.56E+00
540	1.16E+01	8.68E+01	2.28E—02	2.06E—05	9.60E—02	1.40E+00
550	1.27E+01	8.59E+01	1.97E—02	1.66E—05	1.08E—01	1.25E+00
560	1.39E+01	8.48E+01	1.70E—02	1.34E—05	1.21E—01	1.11E+00
570	1.52E+01	8.37E+01	1.46E—02	1.08E—05	1.35E—01	9.93E—01
580	1.65E+01	8.24E+01	1.26E—02	8.71E—06	1.51E—01	8.85E—01
590	1.80E+01	8.11E+01	1.09E—02	7.02E—06	1.68E—01	7.88E—01
600	1.95E+01	7.96E+01	9.34E—03	5.65E—06	1.87E—01	7.00E—01

Продолжение табл. 9

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	2.11E+01	7.81E+01	8.02E−03	4.54E−06	2.07E−01	6.21E−01
620	2.28E+01	7.64E+01	6.88E−03	3.64E−06	2.30E−01	5.51E−01
630	2.46E+01	7.46E+01	5.89E−03	2.92E−06	2.54E−01	4.88E−01
640	2.65E+01	7.28E+01	5.04E−03	2.34E−06	2.80E−01	4.31E−01
650	2.84E+01	7.09E+01	4.30E−03	1.87E−06	3.08E−01	3.80E−01
660	3.05E+01	6.89E+01	3.67E−03	1.49E−06	3.39E−01	3.35E−01
670	3.26E+01	6.68E+01	3.12E−03	1.19E−06	3.71E−01	2.94E−01
680	3.47E+01	6.46E+01	2.65E−03	9.49E−07	4.06E−01	2.58E−01
690	3.70E+01	6.24E+01	2.25E−03	7.54E−07	4.42E−01	2.26E−01
700	3.92E+01	6.01E+01	1.91E−03	5.99E−07	4.81E−01	1.98E−01
710	4.15E+01	5.78E+01	1.61E−03	4.74E−07	5.22E−01	1.73E−01
720	4.39E+01	5.54E+01	1.36E−03	3.75E−07	5.64E−01	1.51E−01
730	4.62E+01	5.30E+01	1.14E−03	2.96E−07	6.09E−01	1.31E−01
740	4.86E+01	5.06E+01	9.61E−04	2.34E−07	6.56E−01	1.14E−01
750	5.09E+01	4.83E+01	8.07E−04	1.84E−07	7.04E−01	9.84E−02
760	5.33E+01	4.59E+01	6.75E−04	1.45E−07	7.54E−01	8.51E−02
770	5.56E+01	4.35E+01	5.65E−04	1.13E−07	8.05E−01	7.34E−02
780	5.79E+01	4.12E+01	4.71E−04	8.89E−08	8.58E−01	6.32E−02
790	6.01E+01	3.89E+01	3.93E−04	6.95E−08	9.13E−01	5.43E−02
800	6.23E+01	3.67E+01	3.27E−04	5.43E−08	9.68E−01	4.66E−02

D—172; LAT—80; LON—45; LT—12; *F*—200; $F\Delta V$—200; A_p—3; UTI—9

80	5.44E−04	1.25E−03	2.08E+01	8.94E−01	1.52E−05	7.83E+01
90	6.03E−04	3.18E−01	2.03E+01	8.52E−01	9.76E−05	7.85E+01
100	9.55E−04	3.57E+00	1.82E+01	7.11E−01	1.60E−04	7.75E+01
110	2.42E−03	1.04E+01	1.39E+01	4.84E−01	3.49E−04	7.52E+01
120	6.65E−03	1.81E+01	9.86E+00	3.10E−01	5.89E−04	7.18E+01
130	1.86E−02	2.41E+01	7.56E+00	2.12E−01	7.14E−04	6.81E+01
140	3.83E−02	2.90E+01	6.35E+00	1.53E−01	7.35E−04	6.44E+01
150	5.87E−02	3.33E+01	5.57E+00	1.15E−01	7.34E−04	6.10E+01
160	8.17E−02	3.72E+01	4.96E+00	8.95E−02	7.52E−04	5.76E+01
170	1.09E−01	4.10E+01	4.43E+00	7.09E−02	8.03E−04	5.44E+01
180	1.40E−01	4.47E+01	3.97E+00	5.70E−02	8.94E−04	5.12E+01
190	1.77E−01	4.82E+01	3.56E+00	4.62E−02	1.03E−03	4.80E+01
200	2.21E−01	5.16E+01	3.18E+00	3.76E−02	1.21E−03	4.50E+01
210	2.71E−01	5.49E+01	2.84E+00	3.07E−02	1.45E−03	4.20E+01
220	3.29E−01	5.81E+01	2.54E+00	2.51E−02	1.75E−03	3.90E+01
230	3.95E−01	6.11E+01	2.25E+00	2.05E−02	2.11E−03	3.62E+01
240	4.72E−01	6.40E+01	2.00E+00	1.67E−02	2.56E−03	3.35E+01
250	5.59E−01	6.67E+01	1.77E+00	1.36E−02	3.09E−03	3.09E+01
260	6.58E−01	6.93E+01	1.56E+00	1.11E−02	3.72E−03	2.84E+01
270	7.70E−01	7.18E+01	1.38E+00	9.02E−03	4.47E−03	2.61E+01
280	8.98E−01	7.40E+01	1.21E+00	7.32E−03	5.35E−03	2.39E+01
290	1.04E+00	7.61E+01	1.06E+00	5.93E−03	6.38E−03	2.18E+01
300	1.20E+00	7.80E+01	9.31E−01	4.80E−03	7.59E−03	1.99E+01

Продолжение табл. 9

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.39E+00	7.97E+01	8.14E−01	3.88E−03	8.99E−03	1.81E+01
320	1.59E+00	8.13E+01	7.10E−01	3.13E−03	1.06E−02	1.64E+01
330	1.82E+00	8.27E+01	6.18E−01	2.52E−03	1.25E−02	1.48E+01
340	2.08E+00	8.40E+01	5.38E−01	2.03E−03	1.47E−02	1.34E+01
350	2.36E+00	8.51E+01	4.67E−01	1.63E−03	1.72E−02	1.21E+01
360	2.68E+00	8.60E+01	4.05E−01	1.31E−03	2.01E−02	1.09E+01
370	3.04E+00	8.68E+01	3.50E−01	1.05E−03	2.34E−02	9.80E+00
380	3.43E+00	8.74E+01	3.03E−01	8.42E−04	2.72E−02	8.80E+00
390	3.87E+00	8.79E+01	2.62E−01	6.74E−04	3.15E−02	7.90E+00
400	4.35E+00	8.83E+01	2.26E−01	5.39E−04	3.65E−02	7.08E+00
410	4.89E+00	8.85E+01	1.95E−01	4.31E−04	4.22E−02	6.34E+00
420	5.48E+00	8.86E+01	1.68E−01	3.44E−04	4.87E−02	5.67E+00
430	6.13E+00	8.86E+01	1.44E−01	2.75E−04	5.60E−02	5.06E+00
440	6.84E+00	8.85E+01	1.24E−01	2.19E−04	6.43E−02	4.52E+00
450	7.63E+00	8.82E+01	1.06E−01	1.74E−04	7.37E−02	4.02E+00
460	8.49E+00	8.77E+01	9.13E−02	1.39E−04	8.44E−02	3.58E+00
470	9.43E+00	8.72E+01	7.82E−02	1.10E−04	9.64E−02	3.19E+00
480	1.05E+01	8.65E+01	6.69E−02	8.78E−05	1.10E−01	2.83E+00
490	1.16E+01	8.57E+01	5.72E−02	6.97E−05	1.25E−01	2.51E+00
500	1.28E+01	8.48E+01	4.89E−02	5.53E−05	1.42E−01	2.22E+00
510	1.41E+01	8.37E+01	4.17E−02	4.38E−05	1.61E−01	1.97E+00
520	1.55E+01	8.25E+01	3.55E−02	3.47E−05	1.82E−01	1.74E+00
530	1.70E+01	8.12E+01	3.02E−02	2.74E−05	2.05E−01	1.53E+00
540	1.86E+01	7.98E+01	2.56E−02	2.17E−05	2.31E−01	1.35E+00
550	2.04E+01	7.82E+01	2.17E−02	1.71E−05	2.59E−01	1.19E+00
560	2.22E+01	7.65E+01	1.84E−02	1.35E−05	2.90E−01	1.04E+00
570	2.41E+01	7.46E+01	1.55E−02	1.06E−05	3.24E−01	9.12E−01
580	2.62E+01	7.27E+01	1.31E−02	8.31E−06	3.61E−01	7.97E−01
590	2.83E+01	7.06E+01	1.10E−02	6.51E−06	4.01E−01	6.96E−01
600	3.05E+01	6.84E+01	9.27E−03	5.09E−06	4.45E−01	6.06E−01
610	3.28E+01	6.61E+01	7.77E−03	3.98E−06	4.91E−01	5.26E−01
620	3.52E+01	6.38E+01	6.50E−03	3.10E−06	5.41E−01	4.56E−01
630	3.77E+01	6.13E+01	5.43E−03	2.41E−06	5.94E−01	3.95E−01
640	4.02E+01	5.88E+01	4.52E−03	1.87E−06	6.51E−01	3.40E−01
650	4.27E+01	5.63E+01	3.76E−03	1.45E−06	7.10E−01	2.93E−01
660	4.53E+01	5.37E+01	3.12E−03	1.12E−06	7.73E−01	2.52E−01
670	4.79E+01	5.11E+01	2.58E−03	8.64E−07	8.39E−01	2.16E−01
680	5.04E+01	4.85E+01	2.13E−03	6.65E−07	9.07E−01	1.84E−01
690	5.30E+01	4.59E+01	1.75E−03	5.11E−07	9.78E−01	1.57E−01
700	5.55E+01	4.33E+01	1.44E−03	3.91E−07	1.05E+00	1.34E−01
710	5.80E+01	4.08E+01	1.18E−03	2.99E−07	1.13E+00	1.13E−01
720	6.04E+01	3.83E+01	9.65E−04	2.29E−07	1.21E+00	9.61E−02
730	6.27E+01	3.59E+01	7.88E−04	1.74E−07	1.29E+00	8.12E−02
740	6.50E+01	3.36E+01	6.42E−04	1.33E−07	1.37E+00	6.85E−02
750	6.72E+01	3.13E+01	5.23E−04	1.01E−07	1.45E+00	5.76E−02
760	6.93E+01	2.91E+01	4.24E−04	7.64E−08	1.53E+00	4.84E−02
770	7.13E+01	2.71E+01	3.44E−04	5.79E−08	1.62E+00	4.06E−02
780	7.32E+01	2.51E+01	2.79E−04	4.38E−08	1.70E+00	3.40E−02
790	7.50E+01	2.32E+01	2.25E−04	3.31E−08	1.79E+00	2.85E−02
800	7.66E+01	2.15E+01	1.82E−04	2.50E−08	1.88E+00	2.38E−02

Таблица 10

Широтные вариации состава при низкой солнечной активности для осеннего равноденствия в северном и весеннего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—266; LAT—0; LON—45; LT—12; *F*—70; $IF\Delta V$—70; A_p—3; UT1—9						
80	5.52E—04	1.20E—03	2.08E+01	9.02E—01	1.83E—05	7.83E+01
90	6.14E—04	3.05E—01	2.03E+01	8.65E—01	1.24E—04	7.85E+01
100	9.55E—04	3.39E+00	1.82E+01	7.36E—01	2.07E—04	7.76E+01
110	2.52E—03	1.03E+01	1.37E+01	4.85E—01	5.33E—04	7.54E+01
120	7.36E—03	1.88E+01	9.42E+00	2.95E—01	1.22E—03	7.15E+01
130	1.48E—02	2.55E+01	7.07E+00	1.98E—01	1.70E—03	6.72E+01
140	2.50E—02	3.11E+01	5.80E+00	1.39E—01	2.03E—03	6.29E+01
150	3.82E—02	3.62E+01	4.95E+00	1.00E—01	2.34E—03	5.87E+01
160	5.52E—02	4.11E+01	4.27E+00	7.43E—02	2.72E—03	5.45E+01
170	7.69E—02	4.59E+01	3.69E+00	5.56E—02	3.26E—03	5.03E+01
180	1.04E—01	5.06E+01	3.18E+00	4.19E—02	4.00E—03	4.61E+01
190	1.39E—01	5.51E+01	2.72E+00	3.16E—02	5.03E—03	4.20E+01
200	1.81E—01	5.95E+01	2.32E+00	2.38E—02	6.42E—03	3.80E+01
210	2.33E—01	6.36E+01	1.97E+00	1.79E—02	8.25E—03	3.42E+01
220	2.97E—01	6.75E+01	1.66E+00	1.34E—02	1.07E—02	3.05E+01
230	3.74E—01	7.11E+01	1.39E+00	9.98E—03	1.37E—02	2.71E+01
240	4.68E—01	7.44E+01	1.16E+00	7.41E—03	1.77E—02	2.39E+01
250	5.80E—01	7.74E+01	9.59E—01	5.48E—03	2.27E—02	2.10E+01
260	7.14E—01	8.01E+01	7.91E—01	4.03E—03	2.90E—02	1.84E+01
270	8.73E—01	8.25E+01	6.50E—01	2.96E—03	3.69E—02	1.60E+01
280	1.06E+00	8.45E+01	5.32E—01	2.16E—03	4.67E—02	1.38E+01
290	1.29E+00	8.63E+01	4.34E—01	1.58E—03	5.88E—02	1.19E+01
300	1.55E+00	8.78E+01	3.53E—01	1.15E—03	7.38E—02	1.03E+01
310	1.87E+00	8.89E+01	2.88E—01	8.35E—04	9.27E—02	8.84E+00
320	2.23E+00	8.99E+01	2.33E—01	6.04E—04	1.15E—01	7.56E+00
330	2.65E+00	9.06E+01	1.88E—01	4.36E—04	1.43E—01	6.45E+00
340	3.15E+00	9.10E+01	1.51E—01	3.15E—04	1.77E—01	5.49E+00
350	3.73E+00	9.13E+01	1.22E—01	2.27E—04	2.18E—01	4.67E+00
360	4.40E+00	9.13E+01	9.76E—02	1.63E—04	2.68E—01	3.96E+00
370	5.17E+00	9.11E+01	7.82E—02	1.17E—04	3.29E—01	3.35E+00
380	6.06E+00	9.06E+01	6.25E—02	8.38E—05	4.02E—01	2.83E+00
390	7.09E+00	9.00E+01	4.99E—02	6.00E—05	1.89E—01	2.38E+00
400	8.26E+00	8.91E+01	3.98E—02	4.29E—05	5.94E—01	2.01E+00
410	9.60E+00	8.80E+01	3.16E—02	3.06E—05	7.13E—01	1.68E+00
420	1.11E+01	8.66E+01	2.51E—02	2.18E—05	8.66E—01	1.41E+00
430	1.28E+01	8.50E+01	1.98E—02	1.55E—05	1.04E+00	1.18E+00
440	1.47E+01	8.30E+01	1.56E—02	1.09E—05	1.24E+00	9.79E—01
450	1.68E+01	8.09E+01	1.23E—02	7.73E—06	1.48E+00	8.12E—01
460	1.91E+01	7.84E+01	9.63E—03	5.41E—06	1.75E+00	6.70E—01
470	2.17E+01	7.57E+01	7.51E—03	3.82E—06	2.07E+00	5.52E—01
480	2.44E+01	7.27E+01	5.83E—03	2.67E—06	2.42E+00	4.52E—01
490	2.73E+01	6.95E+01	4.51E—03	1.85E—06	2.82E+00	3.68E—01
500	3.04E+01	6.60E+01	3.47E—03	1.28E—06	3.27E+00	2.99E—01

Продолжение табл. 10

z, км	He/S, %	O/S, %	O_a/S, %	Ar/S, %	H/S, %	N_2/S, %
510	3.37E+01	6.23E+01	2.65E—03	8.84E—07	3.76E+00	2.41E—01
520	3.70E+01	5.85E+01	2.02E—03	6.06E—07	4.30E+00	1.93E—01
530	4.04E+01	5.46E+01	1.53E—03	4.13E—07	4.88E+00	1.54E—01
540	4.38E+01	5.06E+01	1.15E—03	2.80E—07	5.50E+00	1.22E—01
550	4.71E+01	4.66E+01	8.61E—04	1.89E—07	6.16E+00	9.62E—02
560	5.04E+01	4.27E+01	6.40E—04	1.27E—07	6.85E+00	7.54E—02
570	5.36E+01	3.88E+01	4.74E—04	8.44E—08	7.56E+00	5.87E—02
580	5.65E+01	3.51E+01	3.48E—04	5.60E—08	8.30E+00	4.55E—02
590	5.93E+01	3.16E+01	2.55E—04	3.70E—08	9.05E+00	3.51E—02
600	6.19E+01	2.83E+01	1.86E—04	2.43E—08	9.82E+00	2.69E—02
610	6.42E+01	2.51E+01	1.35E—04	1.59E—08	1.06E+01	2.06E—02
620	6.63E+01	2.23E+01	9.75E—05	1.04E—08	1.14E+01	1.56E—02
630	6.82E+01	1.97E+01	7.02E—05	6.77E—09	1.21E+01	1.18E—02
640	6.98E+01	1.73E+01	5.04E—05	4.39E—09	1.29E+01	8.94E—03
650	7.12E+01	1.52E+01	3.61E—05	2.84E—09	1.37E+01	6.74E—03
660	7.23E+01	1.32E+01	2.58E—05	1.83E—09	1.44E+01	5.06E—03
670	7.33E+01	1.15E+01	1.84E—05	1.18E—09	1.52E+01	3.79E—03
680	7.41E+01	1.00E+01	1.31E—05	7.61E—10	1.59E+01	2.84E—03
690	7.46E+01	8.70E+00	9.29E—06	4.89E—10	1.66E+01	2.12E—03
700	7.51E+01	7.54E+00	6.59E—06	3.14E—10	1.74E+01	1.58E—03
710	7.54E+01	6.52E+00	4.67E—06	2.02E—10	1.81E+01	1.18E—03
720	7.55E+01	5.63E+00	3.31E—06	1.29E—10	1.88E+01	8.76E—04
730	7.56E+01	4.86E+00	2.34E—06	8.31E—11	1.96E+01	6.52E—04
740	7.55E+01	4.19E+00	1.66E—06	5.33E—11	2.03E+01	4.85E—04
750	7.54E+01	3.61E+00	1.17E—06	3.42E—11	2.10E+01	3.60E—04
760	7.52E+01	3.11E+00	8.31E—07	2.19E—11	2.17E+01	2.68E—04
770	7.49E+01	2.67E+00	5.88E—07	1.41E—11	2.25E+01	1.99E—04
780	7.45E+01	2.30E+00	4.16E—07	9.03E—12	2.32E+01	1.48E—04
790	7.41E+01	1.98E+00	2.94E—07	5.80E—12	2.39E+01	1.10E—04
800	7.37E+01	1.70E+00	2.09E—07	3.73E—12	2.46E+01	8.17E—05

D—266; LAT—40; LON 45; LT—12; *F*—70; $F\Delta V$—70; A_p—3; UT1—9

80	5.40E—04	1.22E—03	2.08E+01	8.83E—01	1.78E—05	7.83E+01
90	6.05E—04	3.10E—01	2.03E+01	8.34E—01	1.25E—04	7.86E+01
100	9.57E—04	3.49E+00	1.80E+01	6.90E—01	2.23E—04	7.78E+01
110	2.41E—03	1.03E—01	1.34E+01	4.58E—01	5.49E—04	7.58E+01
120	6.42E—03	1.83E+01	9.00E+00	2.78E—01	1.13E—03	7.24E+01
130	1.42E—02	2.51E+01	6.59E+00	1.78E—01	1.64E—03	6.81E+01
140	2.56E—02	3.09E+01	5.34E+00	1.20E—01	2.02E—03	6.36E+01
150	3.99E—02	3.61E+01	4.53E+00	8.42E—02	2.38E—03	5.92E+01
160	5.81E—02	4.12E+01	3.89E+00	6.09E—02	2.81E—03	5.48E+01
170	8.12E—02	4.60E+01	3.35E+00	4.49E—02	3.40E—03	5.05E+01
180	1.10E—01	5.08E+01	2.88E+00	3.34E—02	4.21E—03	4.62E+01
190	1.47E—01	5.53E+01	2.46E+00	2.51E—02	5.32E—03	4.20E+01
200	1.92E—01	5.97E+01	2.09E+00	1.88E—02	6.79E—03	3.80E+01

Продолжение табл. 10

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	2.47E—01	6.38E+01	1.77E+00	1.41E—02	8.74E—03	3.11E+01
220	3.14E—01	6.77E+01	1.49E+00	1.06E—02	1.13E—02	3.04E+01
230	3.95E—01	7.13E+01	1.25E+00	7.87E—03	1.45E—02	2.70E+01
240	4.92E—01	7.46E+01	1.04E+00	5.85E—03	1.87E—02	2.38E+01
250	6.09E—01	7.76E+01	8.64E−01	4.33E—03	2.39E—02	2.09E+01
260	7.47E—01	8.02E+01	7.14E—01	3.19E−03	3.04E—02	1.83E+01
270	9.12E—01	8.25E+01	5.88E−01	2.35E—03	3.86E—02	1.59E+01
280	1.11E+00	8.45E+01	4.82E—01	1.72E—03	4.87E—02	1.38E+01
290	1.34E+00	8.63E+01	3.94E—01	1.26E—03	6.12E—02	1.19E+01
300	1.61E+00	8.77E+01	3.21E—01	9.18E—04	7.66E—02	1.03E+01
310	1.93E+00	8.89E+01	2.61E—01	6.70E—04	9.57E—02	8.85E+00
320	2.30E+00	8.98E+01	2.12E−01	4.86E—04	1.19E—01	7.58E+00
330	2.73E+00	9.05E+01	1.71E−01	3.53E—04	1.47E—01	6.48E+00
340	3.23E+00	9.09E+01	1.38E−01	2.55E—04	1.81E−01	5.53E+00
350	3.81E+00	9.11E+01	1.12E−01	1.84E−04	2.23E—01	4.71E+00
360	4.49E+00	9.11E+01	8.98E—02	1.33E−04	2.74E—01	4.00E+00
370	5.27E+00	9.09E+01	7.21E—02	9.60E—05	3.34E−01	3.39E+00
380	6.17E+00	9.05E+01	5.78E—02	6.91E−05	4.07E—01	2.87E+00
390	7.20E+00	8.98E+01	4.63E−02	4.96E—05	4.95E−01	2.42E+00
400	8.37E+00	8.90E+01	3.70E−02	3.65E—05	5.99E−01	2.04E+00
410	9.70E+00	8.78E+01	2.95E—02	2.55E—05	7.23E—01	1.72E+00
420	1.12E+01	8.65E+01	2.34E—02	1.82E−05	8.70E−01	1.44E+00
430	1.29E+01	8.48E+01	1.86E—02	1.30E−05	1.04E+00	1.20E+00
440	1.48E+01	8.29E+01	1.47E−02	9.24E−06	1.24E+00	1.00E+00
450	1.69E+01	8.08E+01	1.16E−02	6.55E—06	1.48E+00	8.35E−01
460	1.92E+01	7.84E+01	9.10E—03	4.63E—06	1.75E+00	6.91E−01
470	2.17E+01	7.57E+01	7.12E—03	3.26E−06	2.05E+00	5.70E−01
480	2.44E+01	7.27E+01	5.55E−03	2.29E—06	2.40E+00	4.68E−01
490	2.73E+01	6.95E+01	4.30E−03	1.60E−06	2.79E+00	3.83E−01
500	3.03E+01	6.61E+01	3.32E−03	1.11E—06	3.23E+00	3.11E−01
510	3.35E+01	6.25E+01	2.55E−03	7.70E—07	3.71E+00	2.52E−01
520	3.68E+01	5.87E+01	1.95E−03	5.30E—07	4.24E+00	2.03E−01
530	4.02E+01	5.49E+01	1.48E−03	3.63E—07	4.80E+00	1.62E−01
540	4.35E+01	5.09E+01	1.12E−03	2.48E−07	5.41E+00	1.29E−01
550	4.68E+01	4.70E+01	8.40E−04	1.68E—07	6.05E+00	1.02E−01
560	5.01E+01	4.31E+01	6.28E−04	1.13E—07	6.72E+00	8.01E−02
570	5.32E+01	3.93E+01	4.67E−04	7.59E—08	7.42E+00	6.27E−02
580	5.62E+01	3.56E+01	3.45E−04	5.07E—08	8.14E+00	4.88E−02
590	5.90E+01	3.21E+01	2.51E−04	3.37E—08	8.88E+00	3.77E−02
600	6.16E+01	2.88E+01	1.86E−04	2.23E—08	9.63E+00	2.91E−02
610	6.39E+01	2.57E+01	1.35E−04	1.47E—08	1.04E+01	2.23E−02
620	6.60E+01	2.28E+01	9.84E—05	9.65E−09	1.11E+01	1.70E−02
630	6.79E+01	2.02E+01	7.12E—05	6.32E−09	1.19E+01	1.30E−02
640	6.96E+01	1.78E+01	5.14E−05	4.12E—09	1.26E+01	9.83E−03
650	7.10E+01	1.56E+01	3.70E−05	2.68E−09	1.34E+01	7.43E−03
660	7.22E+01	1.37E+01	2.65E−05	1.74E—09	1.41E+01	5.61E−03
670	7.32E+01	1.20E+01	1.90E−05	1.13E—09	1.49E+01	4.22E−03
680	7.40E+01	1.04E+01	1.36E−05	7.32E−10	1.56E+01	3.17E−03
690	7.46E+01	9.06E+00	9.70E−06	4.74E—10	1.63E+01	2.38E−03
700	7.51E+01	7.87E+00	6.91E—06	3.06E—10	1.71E+01	1.78E—03

Продолжение табл. 10

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	7.54E+01	6.82E+00	4.93E—06	1.98E—10	1.78E+01	1.33E—03
720	7.56E+01	5.90E+00	3.51E—06	1.28E—10	1.85E+01	9.96E—04
730	7.57E+01	5.11E+00	2.49E—06	8.24E—11	1.92E+01	7.44E—04
740	7.57E+01	4.41E+00	1.77E—06	5.31E—11	1.99E+01	5.56E—04
750	7.56E+01	3.81E+00	1.26E—06	3.43E—11	2.06E+01	4.15E—04
760	7.54E+01	3.29E+00	8.97E—07	2.21E—11	2.13E+01	3.09E—04
770	7.51E+01	2.83E+00	6.38E—07	1.43E—11	2.20E+01	2.31E—04
780	7.48E+01	2.44E+00	4.53E—07	9.23E—12	2.28E+01	1.72E—04
790	7.44E+01	2.10E+00	3.22E—07	5.96E—12	2.35E+01	1.29E—04
800	7.40E+01	1.81E+00	2.29E—07	3.85E—12	2.42E+01	9.59E—05

D—266; LAT—80; LON—45; LT—12; *F*—70, $\overline{F}\Delta V$—70; A_p—3; UT1—9

80	5.35E—04	1.16E—03	2.08E+01	9.15E—01	1.64E—05	7.83E+01
90	5.91E—04	2.92E—01	2.04E+01	8.84E—01	1.11E—04	7.85E+01
100	9.55E—04	3.28E+00	1.83E+01	7.51E—01	2.06E—04	7.77E+01
110	2.31E—03	9.43E+00	1.42E+01	5.34E—01	4.70E—04	7.58E+01
120	5.77E—03	1.64E+01	1.02E+01	3.54E—01	8.64E—04	7.30E+01
130	1.27E—02	2.24E+01	7.87E+00	2.45E—01	1.20E—03	6.95E+01
140	2.28E—02	2.75E+01	6.55E+00	1.77E—01	1.42E—03	6.58E+01
150	3.56E—02	3.22E+01	5.66E+00	1.31E—01	1.62E—03	6.20E+01
160	5.22E—02	3.68E+01	4.94E+00	9.88E—02	1.87E—03	5.81E+01
170	7.37E—02	4.13E+01	4.31E+00	7.51E—02	2.23E—03	5.42E+01
180	1.01E—01	4.58E+01	3.75E+00	5.73E—02	2.75E—03	5.03E+01
190	1.36E—01	5.03E+01	3.25E+00	4.38E—02	3.47E—03	4.63E+01
200	1.79E—01	5.46E+01	2.80E+00	3.34E—02	4.45E—03	4.23E+01
210	2.34E—01	5.89E+01	2.39E+00	2.53E—02	5.76E—03	3.85E+01
220	3.01E—01	6.29E+01	2.04E+00	1.92E—02	7.50E—03	3.47E+01
230	3.83E—01	6.68E+01	1.72E+00	1.44E—02	9.75E—03	3.11E+01
240	4.82E—01	7.04E+01	1.45E+00	1.08E—02	1.26E—02	2.77E+01
250	6.02E—01	7.37E+01	1.21E+00	8.05E—03	1.63E—02	2.45E+01
260	7.47E—01	7.67E+01	1.01E+00	5.98E—03	2.10E—02	2.16E+01
270	9.19E—01	7.93E+01	8.32E—01	4.41E—03	2.69E—02	1.89E+01
280	1.12E+00	8.17E+01	6.85E—01	3.25E—03	3.42E—02	1.65E+01
290	1.37E+00	8.37E+01	5.62E—01	2.38E—03	4.33E—02	1.43E+01
300	1.65E+00	8.55E+01	4.59E—01	1.74E—03	5.46E—02	1.23E+01
310	2.00E+00	8.69E+01	3.76E—01	1.27E—03	6.89E—02	1.07E+01
320	2.40E+00	8.80E+01	3.05E—01	9.26E—04	8.60E—02	9.17E+00
330	2.86E+00	8.89E+01	2.47E—01	6.70E—04	1.07E—01	7.85E+00
340	3.40E+00	8.96E+01	2.00E—01	4.85E—04	1.32E—01	6.69E+00
350	4.03E+00	8.99E+01	1.61E—01	3.50E—04	1.63E—01	5.70E+00
360	4.76E+00	9.01E+01	1.29E—01	2.52E—04	2.01E—01	4.84E+00
370	5.60E+00	8.99E+01	1.04E—01	1.81E—04	2.47E—01	4.10E+00
380	6.57E+00	8.96E+01	8.30E—02	1.30E—04	3.01E—01	3.47E+00
390	7.69E+00	8.90E+01	6.63E—02	9.31E—05	3.67E—01	2.92E+00
400	8.96E+00	8.81E+01	5.28E—02	6.66E—05	4.45E—01	2.46E+00

Продолжение табл. 1б

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	1.04E+01	8.70E+01	4.20E−02	4.75E−05	5.39E−01	2.07E+00
420	1.20E+01	8.56E+01	3.33E−02	3.38E−05	6.49E−01	1.73E+00
430	1.39E+01	8.39E+01	2.63E−02	2.40E−05	7.78E−01	1.44E+00
440	1.59E+01	8.19E+01	2.08E−02	1.70E−05	9.30E−01	1.20E+00
450	1.82E+01	7.97E+01	1.63E−02	1.20E−05	1.11E+00	9.94E−01
460	2.06E+01	7.72E+01	1.28E−02	8.44E−06	1.31E+00	8.20E−01
470	2.33E+01	7.44E+01	9.95E−03	5.92E−06	1.54E+00	6.74E−01
480	2.62E+01	7.14E+01	7.72E−03	4.13E−06	1.80E+00	5.52E−01
490	2.93E+01	6.81E+01	5.96E−03	2.87E−06	2.09E+00	4.49E−01
500	3.26E+01	6.46E+01	4.58E−03	1.98E−06	2.42E+00	3.64E−01
510	3.60E+01	6.09E+01	3.50E−03	1.37E−06	2.78E+00	2.93E−01
520	3.95E+01	5.71E+01	2.66E−03	9.34E−07	3.17E+00	2.35E−01
530	4.30E+01	5.32E+01	2.01E−03	6.36E−07	3.59E+00	1.87E−01
540	4.66E+01	4.93E+01	1.51E−03	4.31E−07	4.04E+00	1.48E−01
550	5.00E+01	4.53E+01	1.13E−03	2.90E−07	4.52E+00	1.17E−01
560	5.35E+01	4.14E+01	8.40E−04	1.95E−07	5.02E+00	9.12E−02
570	5.67E+01	3.77E+01	6.21E−04	1.30E−07	5.54E+00	7.10E−02
580	5.98E+01	3.40E+01	4.57E−04	8.61E−08	6.07E+00	5.50E−02
590	6.27E+01	3.06E+01	3.34E−04	5.69E−08	6.61E+00	4.24E−02
600	6.54E+01	2.74E+01	2.44E−04	3.74E−08	7.17E+00	3.25E−02
610	6.79E+01	2.44E+01	1.77E−04	2.45E−08	7.73E+00	2.48E−02
620	7.01E+01	2.16E+01	1.28E−04	1.60E−08	8.29E+00	1.89E−02
630	7.21E+01	1.91E+01	9.22E−05	1.04E−08	8.85E+00	1.43E−02
640	7.38E+01	1.68E+01	6.63E−05	6.78E−09	9.41E+00	1.08E−02
650	7.53E+01	1.47E+01	4.75E−05	4.39E−09	9.98E+00	8.17E−03
660	7.66E+01	1.29E+01	3.40E−05	2.84E−09	1.05E+01	6.14E−03
670	7.77E+01	1.12E+01	2.43E−05	1.83E−09	1.11E+01	4.61E−03
680	7.86E+01	9.78E+00	1.73E−05	1.18E−09	1.17E+01	3.45E−03
690	7.93E+01	8.49E+00	1.23E−05	7.62E−10	1.22E+01	2.58E−03
700	7.99E+01	7.37E+00	8.75E−06	4.90E−10	1.28E+01	1.93E−03
710	8.03E+01	6.38E+00	6.21E−06	3.15E−10	1.33E+01	1.44E−03
720	8.06E+01	5.53E+00	4.41E−06	2.03E−10	1.39E+01	1.08E−03
730	8.08E+01	4.78E+00	3.13E−06	1.30E−10	1.44E+01	8.02E−04
740	8.09E+01	4.13E+00	2.22E−06	8.39E−11	1.50E+01	5.98E−04
750	8.09E+01	3.56E+00	1.58E−06	5.40E−11	1.56E+01	4.45E−04
760	8.08E+01	3.07E+00	1.12E−06	3.47E−11	1.61E+01	3.32E−04
770	8.07E+01	2.65E+00	7.93E−07	2.23E−11	1.67E+01	2.47E−04
780	8.05E+01	2.28E+00	5.63E−07	1.44E−11	1.73E+01	1.84E−04
790	8.02E+01	1.97E+00	4.00E−07	9.27E−12	1.78E+01	1.37E−04
800	7.99E+01	1.70E+00	2.81E−07	5.97E−12	1.84E+01	1.02E−04

D—266; LAT—40; LON—45; LT—12, *F*—70; $\sqrt{\Delta V}$—70, *A*, 3; UTI—9

80	5.42E−04	1.22E−03	2.08E+01	9.11E−01	1.72E−05	7.83E+01
90	6.07E−04	3.11E−01	2.04E+01	8.77E−01	1.19E−04	7.84E+01
100	9.52E−04	3.48E+00	1.84E+01	7.49E−01	2.03E−04	7.74E+01

Продолжение табл. 10

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.42E—03	1.03E+01	1.42E+01	5.12E—01	4.93E—04	7.50E+01
120	6.67E—03	1.84E+01	1.01E+01	3.23E—01	1.00E—03	7.11E+01
130	1.53E—02	2.52E+01	7.73E+00	2.17E—01	1.42E—03	6.68E+01
140	2.84E—02	3.11E+01	6.36E+00	1.53E—01	1.71E—03	6.24E+01
150	4.46E—02	3.64E+01	5.42E+00	1.11E—01	1.97E—03	5.80E+01
160	6.51E—02	4.15E+01	4.66E+00	8.19E—02	2.29E—03	5.37E+01
170	9.12E—02	4.64E+01	4.01E+00	6.11E—02	2.73E—03	4.94E+01
180	1.24E—01	5.12E+01	3.44E+00	4.59E—02	3.35E—03	4.52E+01
190	1.65E—01	5.59E+01	2.93E+00	3.45E—02	4.20E—03	4.10E+01
200	2.16E—01	6.03E+01	2.49E+00	2.59E—02	5.35E—03	3.70E+01
210	2.78E—01	6.44E+01	2.10E+00	1.94E—02	6.87E—03	3.32E+01
220	3.54E—01	6.83E+01	1.77E+00	1.45E—02	8.85E—03	2.95E+01
230	4.45E—01	7.19E+01	1.47E+00	1.07E—02	1.14E—02	2.61E+01
240	5.55E—01	7.52E+01	1.23E+00	7.96E—03	1.46E—02	2.30E+01
250	6.87E—01	7.81E+01	1.01E+00	5.87E—03	1.87E—02	2.02E+01
260	8.44E—01	8.07E+01	8.35E—01	4.31E—03	2.39E—02	1.76E+01
270	1.03E+00	8.30E+01	6.85E—01	3.16E—03	3.03E—02	1.53E+01
280	1.25E+00	8.49E+01	5.60E—01	2.31E—03	3.83E—02	1.32E+01
290	1.51E+00	8.66E+01	4.56E—01	1.68E—03	4.82E—02	1.14E+01
300	1.82E+00	8.80E+01	3.71E—01	1.22E—03	6.04E—02	9.78E+00
310	2.18E+00	8.90E+01	3.01E—01	8.86E—04	7.55E—02	8.40E+00
320	2.60E+00	8.99E+01	2.43E—01	6.40E—04	9.39E—02	7.17E+00
330	3.09E+00	9.05E+01	1.96E—01	4.62E—04	1.16E—01	6.11E+00
340	3.67E+00	9.08E+01	1.58E—01	3.33E—04	1.44E—01	5.20E+00
350	4.33E+00	9.09E+01	1.27E—01	2.40E—04	1.77E—01	4.41E+00
360	5.10E+00	9.08E+01	1.02E—01	1.72E—04	2.17E—01	3.74E+00
370	5.99E+00	9.05E+01	8.14E—02	1.24E—04	2.65E—01	3.16E+00
380	7.01E+00	8.99E+01	6.50E—02	8.86E—05	3.23E—01	2.67E+00
390	8.18E+00	8.91E+01	5.19E—02	6.33E—05	3.93E—01	2.25E+00
400	9.51E+00	8.81E+01	4.13E—02	4.52E—05	4.76E—01	1.89E+00
410	1.10E+01	8.68E+01	3.28E—02	3.22E—05	5.74E—01	1.58E+00
420	1.27E+01	8.52E+01	2.59E—02	2.29E—05	6.90E—01	1.32E+00
430	1.46E+01	8.34E+01	2.05E—02	1.62E—05	8.27E—01	1.10E+00
440	1.68E+01	8.13E+01	1.61E—02	1.15E—05	9.85E—01	9.13E—01
450	1.91E+01	7.90E+01	1.26E—02	8.08E—06	1.17E+00	7.55E—01
460	2.17E+01	7.63E+01	9.87E—03	5.68E—06	1.38E+00	6.22E—01
470	2.44E+01	7.34E+01	7.67E—03	3.97E—06	1.62E+00	5.11E—01
480	2.74E+01	7.03E+01	5.94E—03	2.77E—06	1.89E+00	4.17E—01
490	3.06E+01	6.69E+01	4.58E—03	1.92E—06	2.19E+00	3.39E—01
500	3.39E+01	6.33E+01	3.51E—03	1.32E—06	2.53E+00	2.74E—01
510	3.73E+01	5.96E+01	2.68E—03	9.09E—07	2.90E+00	2.20E—01
520	4.08E+01	5.57E+01	2.03E—03	6.21E—07	3.30E+00	1.76E—01
530	4.44E+01	5.18E+01	1.53E—03	4.22E—07	3.73E+00	1.40E—01
540	4.79E+01	4.78E+01	1.15E—03	2.85E—07	4.18E+00	1.10E—01
550	5.14E+01	4.39E+01	8.57E—04	1.92E—07	4.66E+00	8.67E—02
560	5.47E+01	4.00E+01	6.36E—04	1.28E—07	5.17E+00	6.77E—02
570	5.79E+01	3.63E+01	4.69E—04	8.54E—08	5.69E+00	5.26E—02
580	6.10E+01	3.28E+01	3.44E—04	5.66E—08	6.22E+00	4.07E—02
590	6.38E+01	2.94E+01	2.52E—04	3.73E—08	6.76E+00	3.13E—02
600	6.64E+01	2.62E+01	1.83E—04	2.45E—08	7.31E+00	2.40E—02

Продолжение табл. 10

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	6.88E+01	2.33E+01	1.33E−04	1.60E−08	7.87E+00	1.83E−02
620	7.09E+01	2.06E+01	9.59E−05	1.05E−08	8.43E+00	1.39E−02
630	7.28E+01	1.82E+01	6.90E−05	6.81E−09	8.99E+00	1.05E−02
640	7.45E+01	1.60E+01	4.96E−05	4.42E−09	9.55E+00	7.94E−03
650	7.59E+01	1.40E+01	3.55E−05	2.86E−09	1.01E+01	5.98E−03
660	7.71E+01	1.22E+01	2.54E−05	1.85E−09	1.07E+01	4.50E−03
670	7.81E+01	1.07E+01	1.81E−05	1.19E−09	1.12E+01	3.37E−03
680	7.89E+01	9.29E+00	1.29E−05	7.68E−10	1.18E+01	2.53E−03
690	7.96E+01	8.06E+00	9.17E−06	4.95E−10	1.23E+01	1.89E−03
700	8.01E+01	6.99E+00	6.52E−06	3.18E−10	1.29E+01	1.41E−03
710	8.05E+01	6.06E+00	4.63E−06	2.05E−10	1.34E+01	1.05E−03
720	8.08E+01	5.24E+00	3.29E−06	1.32E−10	1.40E+01	7.85E−04
730	8.09E+01	4.53E+00	2.33E−06	8.47E−11	1.45E+01	5.85E−04
740	8.10E+01	3.91E+00	1.65E−06	5.45E−11	1.51E+01	4.36E−04
750	8.10E+01	3.37E+00	1.17E−06	3.50E−11	1.56E+01	3.25E−04
760	8.09E+01	2.91E+00	8.33E−07	2.25E−11	1.62E+01	2.42E−04
770	8.07E+01	2.51E+00	5.91E−07	1.45E−11	1.68E+01	1.80E−04
780	8.05E+01	2.16E+00	4.19E−07	9.34E−12	1.74E+01	1.34E−04
790	8.02E+01	1.86E+00	2.98E−07	6.02E−12	1.79E+01	1.00E−04
800	7.99E+01	1.61E+00	2.11E−07	3.88E−12	1.85E+01	7.46E−05

D—266; LAT—80; LON—45; LT—12; *F*—70; $\overline{F}\Delta V$—70; A_p—3; UT1—9

80	5.40E−04	1.09E−03	2.09E+01	9.38E−01	1.77E−05	7.82E+01
90	6.01E−04	2.74E−01	2.05E+01	9.20E−01	1.23E−04	7.83E+01
100	9.50E−04	3.03E+00	1.88E+01	8.05E−01	2.20E−04	7.73E+01
110	2.31E−03	8.71E+00	1.54E+01	5.87E−01	5.21E−04	7.53E+01
120	5.78E−03	1.52E+01	1.19E+01	4.02E−01	1.03E−03	7.25E+01
130	1.15E−02	2.07E+01	9.68E+00	2.91E−01	1.50E−03	6.93E+01
140	1.95E−02	2.54E+01	8.29E+00	2.20E−01	1.86E−03	6.61E+01
150	3.04E−02	2.97E+01	7.27E+00	1.70E−01	2.20E−03	6.28E+01
160	4.46E−02	3.39E+01	6.43E+00	1.33E−01	2.62E−03	5.95E+01
170	6.31E−02	3.80E+01	5.69E+00	1.04E−01	3.18E−03	5.62E+01
180	8.67E−02	4.21E+01	5.02E+00	8.16E−02	3.97E−03	5.27E+01
190	1.16E−01	4.62E+01	4.42E+00	6.40E−02	5.05E−03	4.92E+01
200	1.54E−01	5.02E+01	3.88E+00	5.00E−02	6.50E−03	4.57E+01
210	2.00E−01	5.42E+01	3.38E+00	3.90E−02	8.43E−03	4.21E+01
220	2.57E−01	5.81E+01	2.93E+00	3.03E−02	1.09E−02	3.86E+01
230	3.26E−01	6.19E+01	2.53E+00	2.35E−02	1.42E−02	3.52E+01
240	4.10E−01	6.55E+01	2.17E+00	1.81E−02	1.83E−02	3.19E+01
250	5.11E−01	6.88E+01	1.85E+00	1.39E−02	2.36E−02	2.87E+01
260	6.32E−01	7.20E+01	1.58E+00	1.06E−02	3.02E−02	2.58E+01
270	7.75E−01	7.49E+01	1.33E+00	8.01E−03	3.84E−02	2.30E+01
280	9.44E−01	7.75E+01	1.12E+00	6.09E−03	4.85E−02	2.04E+01
290	1.14E+00	7.99E+01	9.39E−01	4.59E−03	6.11E−02	1.80E+01
300	1.38E+00	8.19E+01	7.83E−01	3.45E−03	7.64E−02	1.58E+01

Продолжение табл. 10

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N /S, %
310	1.67E+00	8.36E+01	6.58E−01	2.61E−03	9.60E −02	1.40E+01
320	1.98E+00	8.52E+01	5.44E−01	1.95E−03	1.19E−01	1.22E+01
330	2.35E+00	8.65E+01	4.49E−01	1.45E−03	1.46E−01	1.06E+01
340	2.78E+00	8.75E+01	3.70E−01	1.08E−03	1.80E−01	9.19E+00
350	3.27E+00	8.83E+01	3.04E−01	7.98E−04	2.20E−01	7.95E+00
360	3.84E+00	8.88E+01	2.49E−01	5.90E−04	2.68E−01	6.85E+00
370	4.49E+00	8.91E+01	2.04E−01	4.36E−04	3.26E−01	5.90E+00
380	5.23E+00	8.91E+01	1.66E−01	3.21E−04	3.95E−01	5.07E+00
390	6.08E+00	8.90E+01	1.35E− 01	2.37E−04	4.76E−01	4.34E+00
400	7.05E+00	8.86E+01	1.10E−01	1.74E−04	5.73E−01	3.71E+00
410	8.14E+00	8.79E+01	8.93E− 02	1.28E−04	6.88E −01	3.17E+00
420	9.37E+00	8.70E+01	7.23E−02	9.33E−05	8.22E−01	2.70E+00
430	1.07E+01	8.59E+01	5.84E− 02	6.82E−05	9.80E−01	2.29E+00
440	1.23E+01	8.46E+01	4.71E−02	4.97E−05	1.16E+00	1.94E+00
450	1.40E+01	8.29E+01	3.78E−02	3.62E−05	1.38E+00	1.64E+00
460	1.59E+01	8.11E+01	3.03E−02	2.62E−05	1.62E+00	1.38E+00
470	1.80E+01	7.90E+01	2.42E−02	1.90E− 05	1.90E+00	1.16E+00
480	2.02E+01	7.66E+01	1.93E−02	1.37E−05	2.22E+00	9.69E−01
490	2.26E+01	7.40E+01	1.53E−02	9.84E−06	2.58E+00	8.08E −01
500	2.52E+01	7.11E+01	1.21E−02	7.04E−06	2.98E+00	6.70E−01
510	2.79E+01	6.81E+01	9.50E−03	5.02E−06	3.43E+00	5.54E−01
520	3.08E+01	6.48E+01	7.44E−03	3.57E 06	3.92E+00	4.55E−01
530	3.38E+01	6.14E+01	5.80E−03	2.52E−06	4.46E+00	3.73E −01
540	3.68E+01	5.79E+01	4.50E 03	1.78E−06	5.04E+00	3.01E−01
550	3.99E+01	5.42E+01	3.48E−03	1.25E−06	5.66E+00	2.46E−01
560	4.30E+01	5.05E+01	2.67E−03	8.69E− 07	6.32E+00	1.98E−01
570	4.60E+01	4.68E+01	2.04E 03	6.03E−07	7.02E+00	1.59E −01
580	4.90E+01	4.32E+01	1.55E−03	4.17E−07	7.74E+00	1.27E−01
590	5.18E+01	3.96E+01	1.18E−03	2.87E−07	8.50E+00	1.01E−01
600	5.45E+01	3.61E+01	8.86E−04	1.97E−07	9.27E+00	7.97E−02
610	5.71E+01	3.28E+01	6.65E 04	1.34E−07	1.01E+01	6.27E−02
620	5.95E+01	2.96E+01	4.97E−04	9.11E−08	1.09E+01	4.92E−02
630	6.17E+01	2.66E+01	3.70E −04	6.17E−08	1.17E+01	3.84E−02
640	6.36E+01	2.39E+01	2.74E−04	4.16E−08	1.25E+01	2.98E−02
650	6.54E+01	2.13E+01	2.03E −04	2.80E−08	1.33E+01	2.31E −02
660	6.70E+01	1.89E+01	1.50E−04	1.88E 08	1.41E+01	1.79E−02
670	6.83E+01	1.68E+01	1.10E−04	1.26E−08	1.49E+01	1.38E−02
680	6.95E+01	1.48E+01	8.07E−05	8.42E−09	1.57E+01	1.06E−02
690	7.05E+01	1.31E+01	5.91E− 05	5.62E−09	1.64E+01	8.12E−03
700	7.13E+01	1.15E+01	4.32E−05	3.74E−09	1.72E+01	6.22E−03
710	7.19E+01	1.01E+01	3.15E−05	2.49E−09	1.80E+01	4.75E−03
720	7.24E−01	8.87E−00	2.30E−05	1.66E 09	1.87E+01	3.63E−03
730	7.27E+01	7.77E+00	1.67E−05	1.10E−09	1.95E+01	2.77E−03
740	7.30E+01	6.79E−00	1.22E−05	7.30E−10	2.02E+01	2.11E−03
750	7.31E+01	5.93E+00	8.86E− 06	4.85E−10	2.10E+01	1.60E−03
760	7.31E+01	5.17E+00	6.14E−06	3.22E 10	2.17E+01	1.22E−03
770	7.30E+01	4.51E+00	4.68E−06	2.13E−10	2.25E+01	9.29E−04
780	7.29E+01	3.93E+00	3.40E−06	1.42E−10	2.32E+01	7.06E−04
790	7.27E−01	3.42E+00	2.47E− 06	9.40E−11	2.39E+01	5.37E− 04
800	7.24E+01	2.97E+00	1.79E−06	6.24E−11	2.46E+01	4.08E−04

Таблица 11

Широтные вариации состава при средней солнечной активности для осеннего равноденствия в северном и весеннего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—266; LAT—0; LON—45; LT—12; *F*—150; *FΔV*—150; A_p—3; UT1—9						
80	5.58E—04	1.28E—03	2.08E+01	8.99E—01	1.61E—05	7.83E+01
90	6.16E—04	3.27E—01	2.02E+01	8.62E—01	1.00E—04	7.86E+01
100	9.55E—04	3.67E+00	1.79E+01	7.32E—01	1.53E—04	7.77E+01
110	2.50E—03	1.13E+01	1.30E+01	4.78E—01	3.54E—04	7.53E+01
120	7.45E—03	2.05E+01	8.42E+00	2.88E—01	7.31E—04	7.08E+01
130	1.47E—02	2.73E+01	6.14E+00	1.95E—01	8.80E—04	6.63E+01
140	2.39E—02	3.27E+01	5.03E+00	1.41E—01	8.99E—04	6.21E+01
150	3.48E—02	3.73E+01	4.35E+00	1.06E—01	8.90E—04	5.82E+01
160	4.78E—02	4.15E+01	3.83E+00	8.18E—02	9.03E—04	5.45E+01
170	6.29E—02	4.55E+01	3.40E+00	6.45E—02	9.56E—04	5.10E+01
180	8.05E—02	4.92E+01	3.02E+00	5.16E—02	1.05E—03	4.76E+01
190	1.01E—01	5.28E+01	2.68E+00	4.15E—02	1.20E—03	4.43E+01
200	1.25E—01	5.63E+01	2.38E+00	3.36E—02	1.41E—03	4.12E+01
210	1.51E—01	5.95E+01	2.12E+00	2.73E—02	1.67E—03	3.82E+01
220	1.82E—01	6.26E+01	1.87E+00	2.22E—02	1.99E—03	3.53E+01
230	2.18E—01	6.55E+01	1.66E+00	1.80E—02	2.39E—03	3.26E+01
240	2.58E—01	6.83E+01	1.46E+00	1.46E—02	2.88E—03	3.00E+01
250	3.04E—01	7.09E+01	1.29E+00	1.19E—02	3.45E—03	2.75E+01
260	3.56E—01	7.33E+01	1.13E+00	9.63E—03	4.13E—03	2.52E+01
270	4.14E—01	7.56E+01	9.95E—01	7.80E—03	4.94E—03	2.30E+01
280	4.80E—01	7.77E+01	8.72E—01	6.31E—03	5.88E—03	2.10E+01
290	5.54E—01	7.96E+01	7.62E—01	5.10E—03	6.98E—03	1.91E+01
300	6.38E—01	8.13E+01	6.66E—01	4.12E—03	8.26E—03	1.73E+01
310	7.31E—01	8.30E+01	5.80E—01	3.32E—03	9.74E—03	1.57E+01
320	8.37E—01	8.44E+01	5.06E—01	2.68E—03	1.15E—02	1.42E+01
330	9.55E—01	8.57E+01	4.40E—01	2.16E—03	1.35E—02	1.29E+01
340	1.09E+00	8.69E+01	3.82E—01	1.73E—03	1.58E—02	1.16E+01
350	1.23E+00	8.79E+01	3.32E—01	1.40E—03	1.84E—02	1.05E+01
360	1.40E+00	8.88E+01	2.88E—01	1.12E—03	2.15E—02	9.44E+00
370	1.58E+00	8.96E+01	2.49E—01	9.00E—04	2.50E—02	8.50E+00
380	1.79E+00	9.03E+01	2.16E—01	7.22E—04	2.91E—02	7.64E+00
390	2.01E+00	9.09E+01	1.87E—01	5.80E—04	3.37E—02	6.87E+00
400	2.27E+00	9.14E+01	1.62E—01	4.65E—04	3.90E—02	6.17E+00
410	2.55E+00	9.17E+01	1.40E—01	3.73E—04	4.51E—02	5.53E+00
420	2.86E+00	9.20E+01	1.21E—01	2.99E—04	5.21E—02	4.96E+00
430	3.20E+00	9.22E+01	1.04E—01	2.39E—04	6.00E—02	4.44E+00
440	3.59E+00	9.23E+01	8.97E—02	1.91E—04	6.90E—02	3.98E+00
450	1.01E+00	9.23E+01	7.71E—02	1.53E—04	7.93E—02	3.56E+00
460	4.47E+00	9.22E+01	6.67E—02	1.23E—04	9.10E—02	3.18E+00
470	4.99E+00	9.20E+01	5.74E—02	9.82E—05	1.04E—01	2.84E+00
480	5.55E+00	9.17E+01	4.94E—02	7.85E—05	1.19E—01	2.54E+00
490	6.17E+00	9.14E+01	4.25E—02	6.28E—05	1.36E—01	2.27E+00
500	6.85E+00	9.09E+01	3.66E—02	5.02E—05	1.56E—01	2.02E+00

Продолжение табл. 11

z, км	Hc/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	7.60E+00	9.04E+01	3.14E−02	4.01E−05	1.77E−01	1.80E+00
520	8.41E+00	8.98E+01	2.70E−02	3.20E−05	2.02E−01	1.60E+00
530	9.30E+00	8.90E+01	2.32E−02	2.56E−05	2.29E−01	1.43E+00
540	1.03E+01	8.82E+01	1.99E−02	2.04E−05	2.60E−01	1.27E+00
550	1.13E+01	8.72E+01	1.70E−02	1.62E−05	2.95E−01	1.13E+00
560	1.25E+01	8.62E+01	1.46E−02	1.29E−05	3.33E−01	1.00E+00
570	1.37E+01	8.50E+01	1.24E−02	1.03E−05	3.76E−01	8.86E−01
580	1.50E+01	8.38E+01	1.06E−02	8.20E−06	4.23E−01	7.84E−01
590	1.64E+01	8.24E+01	9.07E−03	6.51E−06	4.75E−01	6.93E−01
600	1.79E+01	8.09E+01	7.73E−03	5.17E−06	5.33E−01	6.12E−01
610	1.95E+01	7.93E+01	6.58E−03	4.10E−06	5.97E−01	5.39E−01
620	2.12E+01	7.76E+01	5.59E−03	3.24E−06	6.67E−01	4.75E−01
630	2.31E+01	7.58E+01	4.74E−03	2.57E−06	7.43E−01	4.17E−01
640	2.50E+01	7.38E+01	4.01E−03	2.03E−06	8.25E−01	3.66E−01
650	2.70E+01	7.18E+01	3.39E−03	1.60E−06	9.15E−01	3.20E−01
660	2.90E+01	6.97E+01	2.86E−03	1.26E−06	1.01E+00	2.80E−01
670	3.12E+01	6.74E+01	2.41E−03	9.87E−07	1.12E+00	2.44E−01
680	3.34E+01	6.51E+01	2.03E−03	7.74E−07	1.23E+00	2.13E−01
690	3.57E+01	6.27E+01	1.70E−03	6.06E−07	1.35E+00	1.85E−01
700	3.81E+01	6.03E+01	1.42E−03	4.74E−07	1.47E+00	1.60E−01
710	4.05E+01	5.78E+01	1.19E−03	3.70E−07	1.61E+00	1.38E−01
720	4.29E+01	5.53E+01	9.92E−04	2.88E−07	1.75E+00	1.19E−01
730	4.53E+01	5.27E+01	8.25E−04	2.23E−07	1.89E+00	1.03E−01
740	4.77E+01	5.01E+01	6.85E−04	1.73E−07	2.05E+00	8.82E−02
750	5.02E+01	4.76E+01	5.67E−04	1.34E−07	2.20E+00	7.56E−02
760	5.26E+01	4.50E+01	4.69E−04	1.04E−07	2.37E+00	6.46E−02
770	5.49E+01	4.25E+01	3.87E−04	7.98E−08	2.54E+00	5.51E−02
780	5.72E+01	4.00E+01	3.18E−04	6.14E−08	2.71E+00	4.69E−02
790	5.95E+01	3.76E+01	2.61E−04	4.72E−08	2.89E+00	3.98E−02
800	6.16E+01	3.53E+01	2.14E−04	3.62E−08	3.07E+00	3.38E−02

D—266, LAT—40, LON—45; LT—12; *F*—150; *FAV*—150; A_p —3; UT1—9

80	5.41E−04	1.30E−03	2.08E+01	8.81E−01	1.54E−05	7.83E+01
90	6.05E−04	3.34E−01	2.02E+01	8.31E−01	1.01E−04	7.87E+01
100	9.58E−04	3.79E+00	1.76E+01	6.86E−01	1.66E−04	7.79E+01
110	2.43E−03	1.13E+01	1.26E+01	4.51E−01	3.75E−04	7.56E+01
120	6.46E−03	2.00E+01	8.05E+00	2.72E−01	6.86E−04	7.17E+01
130	1.39E−02	2.69E+01	5.73E+00	1.77E−01	8.59E−04	6.71E+01
140	2.40E−02	3.24E−01	4.63E+00	1.22E−01	9.05E−04	6.28E+01
150	3.56E−02	3.72E+01	3.98E+00	8.90E−02	9.18E−04	5.87E+01
160	4.92E−02	4.16E+01	3.49E+00	6.72E−02	9.49E−04	5.48E+01
170	6.50E−02	4.56E+01	3.08E+00	5.21E−02	1.02E−03	5.12E+01
180	8.36E−02	4.95E+01	2.73E+00	4.11E−02	1.13E−03	4.76E+01
190	1.05E−01	5.32E+01	2.42E+00	3.28E−02	1.30E−03	4.42E+01
200	1.30E−01	5.67E+01	2.14E+00	2.64E−02	1.53E−03	4.10E+01

Продолжение табл. 11

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.58E—01	6.00E+01	1.89E+00	2.13E—02	1.82E—03	3.79E+01
220	1.90E—01	6.32E+01	1.67E+00	1.72E—02	2.19E—03	3.49E+01
230	2.27E—01	6.61E+01	1.47E+00	1.39E—02	2.63E—03	3.21E+01
240	2.70E—01	6.89E+01	1.30E+00	1.13E—02	3.16E—03	2.95E+01
250	3.17E—01	7.15E+01	1.14E+00	9.11E—03	3.79E—03	2.70E+01
260	3.71E—01	7.39E+01	1.00E+00	7.37E—03	4.55E—03	2.47E+01
270	4.32E—01	7.62E+01	8.76E—01	5.95E—03	5.43E—03	2.25E+01
280	5.01E—01	7.82E+01	7.66E—01	4.81E—03	6.47E—03	2.05E+01
290	5.79E—01	8.01E+01	6.69E—01	3.88E—03	7.67E—03	1.86E+01
300	6.66E—01	8.18E+01	5.83E—01	3.13E—03	9.08E—03	1.69E+01
310	7.62E—01	8.35E+01	5.07E—01	2.51E—03	1.07E—02	1.53E+01
320	8.71E—01	8.49E+01	4.41E—01	2.02E—03	1.26E—02	1.38E+01
330	9.94E—01	8.61E+01	3.83E—01	1.63E—03	1.48E—02	1.25E+01
340	1.13E+00	8.73E+01	3.33E—01	1.31E—03	1.73E—02	1.13E+01
350	1.29E+00	8.83E+01	2.89E—01	1.05E—03	2.02E—02	1.01E+01
360	1.46E+00	8.91E+01	2.50E—01	8.42E—04	2.36E—02	9.13E+00
370	1.65E+00	8.99E+01	2.16E—01	6.75E—04	2.75E—02	8.21E+00
380	1.86E+00	9.05E+01	1.87E—01	5.41E—04	3.19E—02	7.38E+00
390	2.10E+00	9.11E+01	1.62E—01	4.34E—04	3.70E—02	6.63E+00
400	2.36E+00	9.15E+01	1.40E—01	3.48E—04	4.28E—02	5.95E+00
410	2.65E+00	9.18E+01	1.21E—01	2.78E—04	4.95E—02	5.33E+00
420	2.98E+00	9.21E+01	1.04E—01	2.23E—04	5.71E—02	4.78E+00
430	3.33E+00	9.22E+01	8.99E—02	1.78E—04	6.59E—02	4.28E+00
440	3.73E+00	9.23E+01	7.75E—02	1.43E—04	7.58E—02	3.83E+00
450	4.17E+00	9.23E+01	6.68E—02	1.14E—04	8.71E—02	3.42E+00
460	4.65E+00	9.21E+01	5.75E—02	9.13E—05	9.99E—02	3.06E+00
470	5.19E+00	9.19E+01	4.95E—02	7.30E—05	1.15E—01	2.73E+00
480	5.77E+00	9.16E+01	4.26E—02	5.83E—05	1.31E—01	2.44E+00
490	6.42E+00	9.12E+01	3.66E—02	4.66E—05	1.50E—01	2.17E+00
500	7.13E+00	9.07E+01	3.14E—02	3.72E—05	1.71E—01	1.94E+00
510	7.90E+00	9.02E+01	2.70E—02	2.97E—05	1.95E—01	1.73E+00
520	8.74E+00	8.95E+01	2.32E—02	2.37E—05	2.21E—01	1.54E+00
530	9.66E+00	8.87E+01	1.99E—02	1.89E—05	2.51E—01	1.36E+00
540	1.07E+01	8.78E+01	1.70E—02	1.51E—05	2.85E—01	1.21E+00
550	1.18E+01	8.68E+01	1.46E—02	1.20E—05	3.23E—01	1.08E+00
560	1.29E+01	8.57E+01	1.25E—02	9.54E—06	3.65E—01	9.54E—01
570	1.42E+01	8.45E+01	1.06E—02	7.59E—06	4.11E—01	8.41E—01
580	1.56E+01	8.32E+01	9.08E—03	6.03E—06	4.63E—01	7.47E—01
590	1.70E+01	8.18E+01	7.74E—03	4.78E—06	5.20E—01	6.60E—01
600	1.86E+01	8.03E+01	6.59E—03	3.79E—06	5.83E—01	5.82E—01
610	2.02E+01	7.86E+01	5.60E—03	3.00E—06	6.52E—01	5.12E—01
620	2.20E+01	7.68E+01	4.75E—03	2.37E—06	7.28E—01	4.50E—01
630	2.38E+01	7.50E+01	4.02E—03	1.87E—06	8.11E—01	3.95E—01
640	2.58E+01	7.30E+01	3.40E—03	1.48E—06	9.00E—01	3.46E—01
650	2.78E+01	7.09E+01	2.87E—03	1.16E—06	9.97E—01	3.03E—01
660	2.99E+01	6.87E+01	2.42E—03	9.14E—07	1.10E+00	2.64E—01
670	3.21E+01	6.64E+01	2.04E—03	7.17E—07	1.21E+00	2.30E—01
680	3.44E+01	6.41E+01	1.71E—03	5.62E—07	1.33E+00	2.00E—01
690	3.67E+01	6.16E+01	1.43E—03	4.39E—07	1.46E+00	1.73E—01
700	3.91E+01	5.92E+01	1.20E—03	3.42E—07	1.60E+00	1.50E—01

Продолжение табл. 11

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	4.15E+01	5.66E+01	9.99E−04	2.67E−07	1.74E+00	1.30E−01
720	4.39E+01	5.41E+01	8.31E−04	2.07E−07	1.89E+00	1.12E−01
730	4.64E+01	5.15E+01	6.90E−04	1.61E−07	2.05E+00	9.59E−02
740	4.88E+01	4.89E+01	5.72E−04	1.24E−07	2.21E+00	8.22E−02
750	5.12E+01	4.63E+01	4.73E−04	9.60E−08	2.38E+00	7.03E−02
760	5.36E+01	4.38E+01	3.90E−04	7.40E−08	2.55E+00	6.00E−02
770	5.59E+01	4.13E+01	3.21E−04	5.69E−08	2.73E+00	5.11E−02
780	5.82E+01	3.88E+01	2.64E−04	4.37E−08	2.92E+00	4.35E−02
790	6.04E+01	3.64E+01	2.16E−04	3.35E−08	3.11E+00	3.69E−02
800	6.26E+01	3.41E+01	1.77E−04	2.57E−08	3.30E+00	3.12E−02
D—266; LAT—80; LON—45; LT—12, *F*—150; $F\Delta V$ 150; A_p —3; UTI—9						
80	5.36E−04	1.23E−03	2.08E+01	9.12E−01	1.41E−05	7.83E+01
90	5.91E−04	3.14E−01	2.03E+01	8.81E−01	8.87E−05	7.85E+01
100	9.56E−04	3.55E+00	1.80E+01	7.46E−01	1.53E−04	7.77E+01
110	2.35E−03	1.03E+01	1.35E+01	5.27E−01	3.20E−04	7.57E+01
120	5.83E−03	1.79E+01	9.19E+00	3.48E−01	5.20E−04	7.26E+01
130	1.24E−02	2.40E+01	6.87E+00	2.44E−01	6.19E−04	6.89E+01
140	2.14E−02	2.89E+01	5.71E+00	1.81E−01	6.23E−04	6.52E+01
150	3.18E−02	3.31E+01	4.98E+00	1.39E−01	6.09E−04	6.17E+01
160	4.41E−02	3.71E+01	4.43E+00	1.09E−01	6.14E−04	5.83E+01
170	5.88E−02	4.09E+01	3.96E+00	8.68E−02	6.48E−04	5.50E+01
180	7.62E−02	4.46E+01	3.54E+00	7.00E−02	7.16E−04	5.17E+01
190	9.67E−02	4.81E+01	3.17E+00	5.67E−02	8.21E−04	4.86E+01
200	1.21E−01	5.16E+01	2.83E+00	4.62E−02	9.66E−04	4.54E+01
210	1.49E−01	5.49E+01	2.53E+00	3.76E−02	1.16E−03	4.24E+01
220	1.81E−01	5.81E+01	2.25E+00	3.06E−02	1.40E−03	3.94E+01
230	2.18E−01	6.12E+01	2.00E+00	2.50E−02	1.69E−03	3.65E+01
240	2.61E−01	6.42E+01	1.77E+00	2.03E−02	2.05E−03	3.38E+01
250	3.11E−01	6.70E+01	1.56E+00	1.65E−02	2.49E−03	3.11E+01
260	3.67E−01	6.97E+01	1.38E+00	1.34E−02	3.01E−03	2.86E+01
270	4.31E−01	7.22E+01	1.21E+00	1.08E−02	3.63E−03	2.62E+01
280	5.05E−01	7.45E+01	1.06E+00	8.77E−03	4.36E−03	2.39E+01
290	5.87E−01	7.67E+01	9.31E−01	7.08E−03	5.22E−03	2.18E+01
300	6.81E−01	7.87E+01	8.13E−01	5.70E−03	6.23E−03	1.98E+01
310	7.88E−01	8.05E+01	7.10E−01	4.60E−03	7.42E−03	1.80E+01
320	9.07E−01	8.21E+01	6.18E−01	3.69E−03	8.80E−03	1.63E+01
330	1.04E+00	8.36E+01	5.36E−01	2.96E−03	1.04E−02	1.48E+01
340	1.19E+00	8.50E+01	4.65E−01	2.37E−03	1.23E−02	1.33E+01
350	1.36E+00	8.62E+01	4.03E−01	1.90E−03	1.44E−02	1.20E+01
360	1.55E+00	8.73E+01	3.49E−01	1.52E−03	1.69E−02	1.08E+01
370	1.76E+00	8.82E+01	3.01E−01	1.21E−03	1.98E−02	9.70E+00
380	2.00E+00	8.90E+01	2.60E−01	9.70E−04	2.31E−02	8.71E+00
390	2.27E+00	8.97E+01	2.24E−01	7.74E−04	2.70E−02	7.81E+00
400	2.56E+00	9.02E+01	1.93E−01	6.17E−04	3.14E−02	6.99E+00

Продолжение табл. 11

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	2.89E+00	9.06E+01	1.66E—01	4.92E—04	3.65E—02	6.26E+00
420	3.25E+00	9.10E+01	1.43E—01	3.92E—04	4.23E—02	5.59E+00
430	3.66E+00	9.12E+01	1.23E—01	3.12E—04	4.89E—02	5.00E+00
440	4.11E+00	9.13E+01	1.06E—01	2.48E—04	5.66E—02	4.46E+00
450	4.61E+00	9.13E+01	9.07E—02	1.97E—04	6.53E—02	3.98E+00
460	5.16E+00	9.11E+01	7.78E—02	1.57E—04	7.52E—02	3.54E+00
470	5.77E+00	9.09E+01	6.67E—02	1.25E—04	8.65E—02	3.15E+00
480	6.44E+00	9.06E+01	5.71E—02	9.89E—05	9.93E—02	2.81E+00
490	7.18E+00	9.02E+01	4.89E—02	7.85E—05	1.14E—01	2.49E+00
500	7.98E+00	8.96E+01	4.18E—02	6.23E—05	1.30E—01	2.21E+00
510	8.87E+00	8.90E+01	3.57E—02	4.94E—05	1.49E—01	1.96E+00
520	9.84E+00	8.82E+01	3.05E—02	3.91E—05	1.70E—01	1.74E+00
530	1.09E+01	8.73E+01	2.60E—02	3.10E—05	1.93E—01	1.54E+00
540	1.20E+01	8.64E+01	2.22E—02	2.45E—05	2.20E—01	1.36E+00
550	1.33E+01	8.52E+01	1.89E—02	1.94E—05	2.49E—01	1.20E+00
560	1.46E+01	8.40E+01	1.60E—02	1.53E—05	2.82E—01	1.06E+00
570	1.61E+01	8.27E+01	1.36E—02	1.21E—05	3.19E—01	9.36E—01
580	1.76E+01	8.12E+01	1.15E—02	9.50E—06	3.59E—01	8.23E—01
590	1.93E+01	7.96E+01	9.78E—03	7.47E—06	4.04E—01	7.23E—01
600	2.10E+01	7.79E+01	8.27E—03	5.87E—06	4.53E—01	6.34E—01
610	2.29E+01	7.60E+01	6.98E—03	4.61E—06	5.07E—01	5.55E—01
620	2.49E+01	7.40E+01	5.88E—03	3.61E—06	5.66E—01	4.85E—01
630	2.70E+01	7.20E+01	4.94E—03	2.82E—06	6.30E—01	4.23E—01
640	2.91E+01	6.98E+01	4.15E—03	2.20E—06	7.00E—01	3.68E—01
650	3.14E+01	6.75E+01	3.47E—03	1.72E—06	7.75E—01	3.19E—01
660	3.37E+01	6.51E+01	2.90E—03	1.34E—06	8.55E—01	2.77E—01
670	3.62E+01	6.27E+01	2.42E—03	1.04E—06	9.41E—01	2.39E—01
680	3.86E+01	6.01E+01	2.01E—03	8.04E—07	1.03E+00	2.06E—01
690	4.11E+01	5.76E+01	1.67E—03	6.21E—07	1.13E+00	1.77E—01
700	4.37E+01	5.49E+01	1.38E—03	4.79E—07	1.23E+00	1.52E—01
710	4.62E+01	5.23E+01	1.14E—03	3.69E—07	1.34E+00	1.30E—01
720	4.88E+01	4.96E+01	9.43E—04	2.83E—07	1.45E+00	1.11E—01
730	5.13E+01	4.70E+01	7.76E—04	2.17E—07	1.57E+00	9.47E—02
740	5.39E+01	4.44E+01	6.36E—04	1.66E—07	1.69E+00	8.05E—02
750	5.63E+01	4.18E+01	5.21E—04	1.27E—07	1.81E+00	6.83E—02
760	5.87E+01	3.93E+01	4.26E—04	9.66E—08	1.94E+00	5.77E—02
770	6.11E+01	3.68E+01	3.47E—04	7.35E—08	2.07E+00	4.87E—02
780	6.34E+01	3.44E+01	2.82E—04	5.58E—08	2.21E+00	4.11E—02
790	6.56E+01	3.21E+01	2.29E—04	4.23E—08	2.34E+00	3.45E—02
800	6.77E+01	2.98E+01	1.86E—04	3.20E—08	2.48E+00	2.90E—02

D 266; LAT—40; LON—45; LT—12; *F*—150; $F\Delta V$—150; A_p—3; UT1—9

80	5.44E—04	1.31E—03	2.08E+01	9.09E—01	1.49E—05	7.83E+01
90	6.08E—04	3.38E—01	2.03E+01	8.74E—01	9.63E—05	7.85E+01
100	9.52E—04	3.81E+00	1.80E+01	7.44E—01	1.51E—04	7.74E+01

Продолжение табл. 11

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.44E—03	1.14E+01	1.34E+01	5.03E—01	3.35E—04	7.47E+01
120	6.73E—03	2.03E+01	9.05E+00	3.15E—01	6.08E—04	7.03E+01
130	1.52E—02	2.74E+01	6.70E+00	2.15E—01	7.41E—04	6.57E+01
140	2.70E—02	3.30E+01	5.50E+00	1.55E—01	7.60E—04	6.13E+01
150	4.03E—02	3.78E+01	4.74E+00	1.17E—01	7.53E—04	5.73E+01
160	5.56E—02	4.23E+01	4.16E+00	9.00E—02	7.63E—04	5.34E+01
170	7.35E—02	4.64E+01	3.67E+00	7.07E—02	8.06E—04	4.97E+01
180	9.43E—02	5.04E+01	3.24E+00	5.62E—02	8.89E—04	4.62E+01
190	1.18E—01	5.41E+01	2.86E+00	4.50E—02	1.01E—03	4.29E+01
200	1.46E—01	5.76E+01	2.53E+00	3.62E—02	1.18E—03	3.96E+01
210	1.78E—01	6.10E+01	2.23E+00	2.92E—02	1.40E—03	3.66E+01
220	2.14E—01	6.41E+01	1.97E+00	2.36E—02	1.67E—03	3.37E+01
230	2.55E—01	6.71E+01	1.73E+00	1.91E—02	2.01E—03	3.09E+01
240	3.02E—01	6.98E+01	1.52E+00	1.54E—02	2.41E—03	2.83E+01
250	3.55E—01	7.24E+01	1.34E+00	1.24E—02	2.89E—03	2.59E+01
260	4.15E—01	7.48E+01	1.17E+00	1.00E—02	3.46E—03	2.36E+01
270	4.83E—01	7.70E+01	1.02E+00	8.10E—03	4.12E—03	2.15E+01
280	5.59E—01	7.90E+01	8.93E—01	6.52E—03	4.90E—03	1.95E+01
290	6.45E—01	8.08E+01	7.78E—01	5.25E—03	5.82E—03	1.77E+01
300	7.41E—01	8.25E+01	6.78E—01	4.23E—03	6.88E—03	1.61E+01
310	8.47E—01	8.41E+01	5.87E—01	3.39E—03	8.09E—03	1.45E+01
320	9.69E—01	8.54E+01	5.11E—01	2.72E—03	9.52E—03	1.31E+01
330	1.10E+00	8.66E+01	4.43E—01	2.19E—03	1.12E—02	1.18E+01
340	1.26E+00	8.77E+01	3.84E—01	1.75E—03	1.31E—02	1.06E+01
350	1.43E+00	8.86E+01	3.33E—01	1.41E—03	1.53E—02	9.58E+00
360	1.62E+00	8.95E+01	2.88E—01	1.13E—03	1.78E—02	8.62E+00
370	1.83E+00	9.02E+01	2.49E—01	9.03E—04	2.07E—02	7.74E+00
380	2.06E+00	9.07E+01	2.15E—01	7.23E—04	2.41E—02	6.95E+00
390	2.32E+00	9.12E+01	1.86E—01	5.79E—04	2.79E—02	6.24E+00
400	2.61E+00	9.16E+01	1.60E—01	4.63E—04	3.23E—02	5.59E+00
410	2.94E+00	9.19E+01	1.38E—01	3.70E—04	3.73E—02	5.01E+00
420	3.29E+00	9.21E+01	1.19E—01	2.96E—04	4.31E—02	4.48E+00
430	3.69E+00	9.21E+01	1.03E—01	2.37E—04	4.96E—02	4.01E+00
440	4.13E+00	9.21E+01	8.85E—02	1.89E—04	5.71E—02	3.58E+00
450	4.61E+00	9.20E+01	7.62E—02	1.51E—04	6.56E—02	3.20E+00
460	5.15E+00	9.19E+01	6.55E—02	1.21E—04	7.52E—02	2.86E+00
470	5.73E+00	9.16E+01	5.63E—02	9.63E—05	8.62E—02	2.55E+00
480	6.38E+00	9.12E+01	4.84E—02	7.69E—05	9.86E—02	2.27E+00
490	7.09E+00	9.07E+01	4.15E—02	6.13E—05	1.13E—01	2.02E+00
500	7.86E+00	9.02E+01	3.56E—02	4.89E—05	1.28E—01	1.80E+00
510	8.71E+00	8.95E+01	3.06E—02	3.90E—05	1.46E—01	1.60E+00
520	9.64E+00	8.87E+01	2.62E—02	3.10E—05	1.66E—01	1.42E+00
530	1.06E+01	8.79E+01	2.24E—02	2.47E—05	1.89E—01	1.26E+00
540	1.17E+01	8.69E+01	1.92E—02	1.97E—05	2.14E—01	1.12E+00
550	1.29E+01	8.58E+01	1.64E—02	1.56E—05	2.42E—01	9.93E—01
560	1.42E+01	8.46E+01	1.40E—02	1.24E—05	2.73E—01	8.79E—01
570	1.56E+01	8.33E+01	1.19E—02	9.84E—06	3.08E—01	7.77E—01
580	1.70E+01	8.19E+01	1.02E—02	7.80E—06	3.46E—01	6.86E—01
590	1.86E+01	8.04E+01	8.64E—03	6.18E—06	3.88E—01	6.05E—01
600	2.03E+01	7.87E+01	7.34E—03	4.89E—06	4.35E—01	5.32E—01

Продолжение табл. 1F

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	2.21E+01	7.70E+01	6.22E−03	3.86E−06	4.85E−01	4.68E−01
620	2.40E+01	7.51E+01	5.27E−03	3.04E−06	5.41E−01	4.10E−01
630	2.59E+01	7.31E+01	4.45E−03	2.40E−06	6.01E−01	3.59E−01
640	2.80E+01	7.10E+01	3.76E−03	1.88E−06	6.67E−01	3.14E−01
650	3.02E+01	6.88E+01	3.16E−03	1.48E−06	7.37E−01	2.74E−01
660	3.24E+01	6.66E+01	2.66E−03	1.16E−06	8.13E−01	2.38E−01
670	3.47E+01	6.42E+01	2.23E−03	9.07E−07	8.94E−01	2.07E−01
680	3.71E+01	6.18E+01	1.87E−03	7.08E−07	9.80E−01	1.79E−01
690	3.95E+01	5.93E+01	1.56E−03	5.52E−07	1.07E+00	1.55E−01
700	4.19E+01	5.68E+01	1.30E−03	4.29E−07	1.17E+00	1.34E−01
710	4.44E+01	5.42E+01	1.08E−03	3.33E−07	1.27E+00	1.15E−01
720	4.69E+01	5.16E+01	8.97E−04	2.58E−07	1.38E+00	9.90E−02
730	4.94E+01	4.90E+01	7.43E−04	1.99E−07	1.49E+00	8.48E−02
740	5.19E+01	4.65E+01	6.14E−04	1.54E−07	1.60E+00	7.25E−02
750	5.43E+01	4.39E+01	5.06E−04	1.18E−07	1.72E+00	6.19E−02
760	5.67E+01	4.14E+01	4.16E−04	9.10E−08	1.84E+00	5.27E−02
770	5.91E+01	3.89E+01	3.42E−04	6.98E−08	1.97E+00	4.47E−02
780	6.13E+01	3.65E+01	2.80E−04	5.34E−08	2.10E+00	3.79E−02
790	6.35E+01	3.42E+01	2.29E−04	4.08E−08	2.23E+00	3.21E−02
800	6.57E+01	3.19E+01	1.87E−04	3.12E−08	2.36E+00	2.71E−02

D 266; LAT—−80; LON—45; LT—12; *F*—150; *FΔV*—150; A_p—3; UT1—9

80	5.42E−04	1.16E−03	2.08E+01	9.35E−01	1.52E−05	7.82E+01
90	6.02E−04	2.94E−01	2.04E+01	9.17E−01	9.85E−05	7.84E+01
100	9.51E−04	3.28E+00	1.85E+01	8.01E−01	1.62E−04	7.74E+01
110	2.36E−03	9.52E+00	1.46E+01	5.80E−01	3.53E−04	7.53E+01
120	5.89E−03	1.66E+01	1.07E+01	3.96E−01	6.19E−04	7.22E+01
130	1.15E−02	2.23E+01	8.48E+00	2.91E−01	7.76E−04	6.89E+01
140	1.88E−02	2.68E+01	7.24E+00	2.26E−01	8.18E−04	6.57E+01
150	2.78E−02	3.07E+01	6.41E+00	1.80E−01	8.32E−04	6.27E+01
160	3.88E−02	3.44E+01	5.76E+00	1.45E−01	8.64E−04	5.97E+01
170	5.20E−02	3.78E+01	5.20E+00	1.19E−01	9.34E−04	5.68E+01
180	6.77E−02	4.12E+01	4.70E+00	9.78E−02	1.05E−03	5.39E+01
190	8.62E−02	4.45E+01	4.25E+00	8.07E−02	1.22E−03	5.11E+01
200	1.08E−01	4.77E+01	3.84E+00	6.67E−02	1.45E−03	4.83E+01
210	1.33E−01	5.08E+01	3.47E+00	5.52E−02	1.74E−03	4.55E+01
220	1.63E−01	5.39E+01	3.12E+00	4.57E−02	2.11E−03	4.27E+01
230	1.97E−01	5.69E+01	2.81E+00	3.78E−02	2.57E−03	4.00E+01
240	2.36E−01	5.98E+01	2.52E+00	3.13E−02	3.12E−03	3.74E+01
250	2.81E−01	6.26E+01	2.25E+00	2.58E−02	3.79E−03	3.48E+01
260	3.32E−01	6.53E+01	2.01E+00	2.13E−02	4.58E−03	3.23E+01
270	3.90E−01	6.79E+01	1.79E+00	1.75E−02	5.52E−03	2.99E+01
280	4.56E−01	7.03E+01	1.59E+00	1.44E−02	6.62E−03	2.76E+01
290	5.31E−01	7.26E+01	1.41E+00	1.18E−02	7.92E−03	2.55E+01
300	6.16E−01	7.47E+01	1.24E+00	9.66E−03	9.43E−03	2.34E+01

Продолжение табл. 11

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	7.14E—01	7.66E+01	1.10E+00	7.93E—03	1.13E—02	2.15E+01
320	8.21E—01	7.85E+01	9.70E—01	6.47E—03	1.33E—02	1.97E+01
330	9.40E—01	8.02E+01	8.52E—01	5.27E—03	1.57E—02	1.80E+01
340	1.07E+00	8.18E+01	7.47E—01	4.28E—03	1.84E—02	1.64E+01
350	1.22E+00	8.32E+01	6.54E—01	3.48E—03	2.16E—02	1.49E+01
360	1.39E+00	8.45E+01	5.72E—01	2.82E—03	2.52E—02	1.35E+01
370	1.58E+00	8.57E+01	5.00E—01	2.29E—03	2.94E—02	1.22E+01
380	1.78E+00	8.67E+01	4.36E—01	1.85E—03	3.42E—02	1.11E+01
390	2.01E+00	8.76E+01	3.80E—01	1.50E—03	3.97E—02	1.00E+01
100	2.27E+00	8.83E+01	3.31E—01	1.21E—03	4.60E—02	9.04E+00
410	2.55E+00	8.89E+01	2.87E—01	9.80E—04	5.31E—02	8.16E+00
420	2.87E+00	8.95E+01	2.50E—01	7.91E—04	6.13E—02	7.35E+00
430	3.21E+00	8.99E+01	2.17E—01	6.38E—04	7.06E—02	6.62E+00
440	3.59E+00	9.02E+01	1.88E—01	5.15E—04	8.12E—02	5.96E+00
450	4.02E+00	9.04E+01	1.63E—01	4.15E—04	9.33E—02	5.35E+00
460	1.48E+00	9.05E+01	1.41E—01	3.34E—04	1.07E—01	4.81E+00
470	4.99E+00	9.04E+01	1.22E—01	2.69E—04	1.22E—01	4.31E+00
480	5.55E+00	9.03E+01	1.06E—01	2.17E—04	1.40E—01	3.87E+00
190	6.17E+00	9.01E+01	9.14E—02	1.74E—04	1.60E—01	3.47E+00
500	6.84E+00	8.98E+01	7.89E—02	1.40E—04	1.82E—01	3.10E+00
510	7.58E+00	8.94E+01	6.81E—02	1.13E—04	2.07E—01	2.77E+00
520	8.38E+00	8.88E+01	5.87E—02	9.06E—05	2.35E—01	2.48E+00
530	9.26E+00	8.82E+01	5.06E—02	7.27E—05	2.66E—01	2.21E+00
540	1.02E+01	8.75E+01	4.36E—02	5.83E—05	3.02E—01	1.97E+00
550	1.12E+01	8.66E+01	3.75E—02	4.68E—05	3.41E—01	1.76E+00
560	1.23E+01	8.57E+01	3.22E—02	3.75E—05	3.85E—01	1.57E+00
570	1.35E+01	8.46E+01	2.77E—02	3.00E—05	4.33E—01	1.39E+00
580	1.48E+01	8.34E+01	2.37E—02	2.40E—05	4.87E—01	1.24E+00
590	1.62E+01	8.21E+01	2.03E—02	1.92E—05	5.46E—01	1.10E+00
600	1.77E+01	8.07E+01	1.74E—02	1.53E—05	6.11E—01	9.71E—01
610	1.92E+01	7.92E+01	1.49E—02	1.22E—05	6.83E—01	8.59E—01
620	2.09E+01	7.76E+01	1.27E—02	9.71E—06	7.61E—01	7.59E—01
630	2.26E+01	7.58E+01	1.08E—02	7.72E—06	8.46E—01	6.69E—01
640	2.45E+01	7.40E+01	9.18E—03	6.13E—06	9.39E—01	5.89E—01
650	2.64E+01	7.20E+01	7.80E—03	4.86E—06	1.04E+00	5.17E—01
660	2.84E+01	7.00E+01	6.61E—03	3.85E—06	1.15E+00	4.54E—01
670	3.05E+01	6.78E+01	5.59E—03	3.04E—06	1.26E+00	3.97E—01
680	3.27E+01	6.56E+01	4.72E—03	2.40E—06	1.39E+00	3.47E—01
690	3.49E+01	6.33E+01	3.98E—03	1.89E—06	1.52E+00	3.02E—01
700	3.72E+01	6.09E+01	3.35E—03	1.49E—06	1.66E+00	2.63E—01
710	3.95E+01	5.85E+01	2.81E—03	1.17E—06	1.81E+00	2.28E—01
720	4.18E+01	5.60E+01	2.35E—03	9.14E—07	1.96E+00	1.98E—01
730	4.42E+01	5.35E+01	1.97E—03	7.15E—07	2.13E+00	1.71E—01
740	4.65E+01	5.10E+01	1.64E—03	5.58E—07	2.30E+00	1.47E—01
750	4.89E+01	4.85E+01	1.37E—03	4.34E—07	2.48E+00	1.27E—01
760	5.12E+01	4.60E+01	1.13E—03	3.38E—07	2.66E+00	1.09E—01
770	5.35E+01	4.36E+01	9.40E—04	2.62E—07	2.85E+00	9.34E—02
780	5.58E+01	4.11E+01	7.78E—04	2.03E—07	3.04E+00	7.99E—02
790	5.80E+01	3.87E+01	6.43E—04	1.57E—07	3.24E+00	6.81E—02
800	6.01E+01	3.64E+01	5.30E—04	1.21E—07	3.45E+00	5.80E—02

Таблица 12

Широтные вариации состава при высокой солнечной активности для осеннего равноденствия в северном и весеннего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—266; LAT—0; LON—45; LT—12; *F*—200; *FΔV*—200; A_p —3; UTI —9					
80	5.54E—04	1.33E—03	2.07E+01	8.97E—01	1.44E—05	7.84E+01
90	6.16E—04	3.41E—01	2.02E+01	8.60E—01	8.77E—05	7.86E+01
100	9.56E—04	3.85E+00	1.77E+01	7.29E—01	1.26E—04	7.77E+01
110	2.47E—03	1.19E+01	1.25E+01	4.74E—01	2.76E—04	7.51E+01
120	5.19E—03	2.04E+01	8.12E+00	3.07E—01	3.80E—04	7.12E+01
130	9.83E—03	2.64E+01	5.96E+00	2.20E—01	3.71E—04	6.74E+01
140	1.72E—02	3.14E+01	4.91E+00	1.62E—01	3.47E—04	6.35E+01
150	2.59E—02	3.59E+01	4.25E+00	1.23E—01	3.34E—04	5.97E+01
160	3.62E—02	4.02E+01	3.75E+00	9.49E—02	3.37E—04	5.59E+01
170	4.84E—02	4.43E+01	3.32E+00	7.48E—02	3.59E—04	5.23E+01
180	6.26E—02	4.81E+01	2.96E+00	5.99E—02	3.98E—04	4.88E+01
190	7.95E—02	5.17E+01	2.63E+00	4.82E—02	4.58E—04	4.55E+01
200	9.84E—02	5.52E+01	2.34E+00	3.93E—02	5.36E—04	4.24E+01
210	1.19E—01	5.84E+01	2.09E+00	3.22E—02	6.34E—04	3.94E+01
220	1.43E—01	6.14E+01	1.86E+00	2.65E—02	7.53E—04	3.66E+01
230	1.70E—01	6.42E+01	1.66E+00	2.18E—02	8.96E—04	3.40E+01
240	1.99E—01	6.68E+01	1.48E+00	1.81E—02	1.06E—03	3.15E+01
250	2.32E—01	6.93E+01	1.32E+00	1.50E—02	1.26E—03	2.91E+01
260	2.68E—01	7.16E+01	1.18E+00	1.24E—02	1.48E—03	2.70E+01
270	3.08E—01	7.37E+01	1.05E+00	1.03E—02	1.74E—03	2.49E+01
280	3.53E—01	7.57E+01	9.39E—01	8.57E—03	2.04E—03	2.30E+01
290	4.01E—01	7.76E+01	8.37E—01	7.12E—03	2.38E—03	2.12E+01
300	4.55E—01	7.93E+01	7.45E—01	5.92E—03	2.76E—03	1.95E+01
310	5.12E—01	8.09E+01	6.61E—01	4.91E—03	3.18E—03	1.79E+01
320	5.77E—01	8.23E+01	5.88E—01	4.08E—03	3.68E—03	1.65E+01
330	6.49E—01	8.37E+01	5.22E—01	3.39E—03	4.24E—03	1.51E+01
340	7.28E—01	8.49E+01	4.63E—01	2.81E—03	4.88E—03	1.39E+01
350	8.16E—01	8.60E+01	4.11E—01	2.33E—03	5.60E—03	1.27E+01
360	9.12E—01	8.70E+01	3.64E—01	1.94E—03	6.43E—03	1.17E+01
370	1.02E+00	8.80E+01	3.22E—01	1.60E—03	7.35E—03	1.07E+01
380	1.14E+00	8.88E+01	2.85E—01	1.33E—03	8.40E—03	9.77E+00
390	1.26E+00	8.95E+01	2.52E—01	1.10E—03	9.58E—03	8.93E+00
400	1.41E+00	9.02E+01	2.23E—01	9.10E—04	1.09E—02	8.15E+00
410	1.56E+00	9.08E+01	1.97E—01	7.53E—04	1.24E—02	7.44E+00
420	1.73E+00	9.13E+01	1.74E—01	6.23E—04	1.41E—02	6.78E+00
430	1.92E+00	9.17E+01	1.53E—01	5.16E—04	1.60E—02	6.19E+00
440	2.12E+00	9.21E+01	1.35E—01	4.27E—04	1.82E—02	5.64E+00
450	2.34E+00	9.24E+01	1.19E—01	3.53E—04	2.06E—02	5.14E+00
460	2.59E+00	9.26E+01	1.05E—01	2.92E—04	2.32E—02	4.68E+00
470	2.85E+00	9.28E+01	9.28E—02	2.41E—04	2.63E—02	4.26E+00
480	3.14E+00	9.29E+01	8.18E—02	2.00E—04	2.96E—02	3.87E+00
490	3.46E+00	9.29E+01	7.21E—02	1.65E—04	3.34E—02	3.52E+00
500	3.80E+00	9.29E+01	6.35E—02	1.36E—04	3.76E—02	3.20E+00

Продолжение табл. 12

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	4.17E+00	9.28E+01	5.95E—02	1.13E—04	4.23E—02	2.91E+00
520	4.58E+00	9.27E+01	4.92E—02	9.33E—05	4.75E—02	2.64E+00
530	5.02E+00	9.25E+01	4.33E—02	7.71E—05	5.33E—02	2.40E+00
540	5.50E+00	9.22E+01	3.81E—02	6.37E—05	5.98E—02	2.18E+00
550	6.02E+00	9.19E+01	3.35E—02	5.27E—05	6.70E—02	1.98E+00
560	6.58E+00	9.15E+01	2.95E—02	4.35E—05	7.49E—02	1.80E+00
570	7.19E+00	9.11E+01	2.59E—02	3.60E—05	8.38E—02	1.63E+00
580	7.84E+00	9.06E+01	2.28E—02	2.97E—05	9.35E—02	1.48E+00
590	8.55E+00	9.00E+01	2.00E—02	2.45E—05	1.04E—01	1.34E+00
600	9.31E+00	8.93E+01	1.76E—02	2.03E—05	1.16E—01	1.21E+00
610	1.01E+01	8.86E+01	1.54E—02	1.67E—05	1.29E—01	1.09E+00
620	1.10E+01	8.79E+01	1.35E—02	1.38E—05	1.44E—01	9.90E—01
630	1.19E+01	8.70E+01	1.19E—02	1.14E—05	1.60E—01	8.95E—01
640	1.29E+01	8.61E+01	1.04E—02	9.38E—06	1.77E—01	8.08E—01
650	1.40E+01	8.51E+01	9.09E—03	7.73E—06	1.96E—01	7.29E—01
660	1.51E+01	8.40E+01	7.95E—03	6.36E—06	2.17E—01	6.58E—01
670	1.63E+01	8.28E+01	6.95E—03	5.24E—06	2.39E—01	5.92E—01
680	1.76E+01	8.16E+01	6.07E—03	4.31E—06	2.64E—01	5.33E—01
690	1.90E+01	8.03E+01	5.30E—03	3.54E—06	2.91E—01	4.80E—01
700	2.04E+01	7.89E+01	4.62E—03	2.91E—06	3.19E—01	4.31E—01
710	2.19E+01	7.74E+01	4.03E—03	2.39E—06	3.50E—01	3.87E—01
720	2.34E+01	7.58E+01	3.50E—03	1.96E—06	3.84E—01	3.47E—01
730	2.50E+01	7.42E+01	3.04E—03	1.60E—06	4.20E—01	3.10E—01
740	2.67E+01	7.25E+01	2.64E—03	1.31E—06	4.58E—01	2.77E—01
750	2.85E+01	7.08E+01	2.29E—03	1.07E—06	4.99E—01	2.48E—01
760	3.03E+01	6.89E+01	1.99E—03	8.76E—07	5.43E—01	2.21E—01
770	3.22E+01	6.70E+01	1.72E—03	7.14E—07	5.89E—01	1.97E—01
780	3.41E+01	6.51E+01	1.48E—03	5.82E—07	6.38E—01	1.75E—01
790	3.61E+01	6.31E+01	1.28E—03	4.74E—07	6.90E—01	1.55E—01
800	3.81E+01	6.10E+01	1.10E—03	3.85E—07	7.45E—01	1.38E—01
	D—266; LAT—40; LON—45; LT—12; F—200; $F\Delta V$—200; A_p —3; UTI—9					
80	5.41E—04	1.35E—03	2.08E+01	8.79E—01	1.41E—05	7.84E+01
90	6.07E—04	3.50E—01	2.01E+01	8.29E—01	8.85E—05	7.87E+01
100	9.58E—04	3.99E+00	1.74E+01	6.83E—01	1.37E—04	7.79E+01
110	2.26E—03	1.19E+01	1.22E+01	4.46E—01	2.76E—04	7.54E+01
120	4.69E—03	2.02E+01	7.70E+00	2.85E—01	3.75E—04	7.18E+01
130	9.36E—03	2.61E+01	5.55E+00	1.99E—01	3.67E—04	6.81E+01
140	1.68E—02	3.09E+01	4.54E+00	1.43E—01	3.44E—04	6.43E+01
150	2.53E—02	3.55E+01	3.93E+00	1.05E—01	3.34E—04	6.05E+01
160	3.54E—02	3.98E+01	3.46E+00	7.99E—02	3.43E—04	5.66E+01
170	4.77E—02	4.40E+01	3.05E+00	6.19E—02	3.71E—04	5.28E+01
180	6.21E—02	4.80E+01	2.70E+00	4.88E—02	4.18E—04	4.92E+01
190	7.95E—02	5.18E+01	2.39E+00	3.89E—02	4.88E—04	4.57E+01
200	9.91E—02	5.54E+01	2.12E+00	3.13E—02	5.78E—04	4.24E+01

Продолжение табл. 12

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.21E—01	5.87E+01	1.88E+00	2.54E—02	6.89E—04	3.92E+01
220	1.46E—01	6.18E+01	1.67E+00	2.07E—02	8.25E—04	3.63E+01
230	1.74E—01	6.47E+01	1.48E+00	1.70E—02	9.87E—04	3.36E+01
240	2.05E—01	6.74E+01	1.32E+00	1.40E—02	1.18E—03	3.10E+01
250	2.39E—01	7.00E+01	1.17E+00	1.15E—02	1.40E—03	2.86E+01
260	2.77E—01	7.23E+01	1.04E+00	9.50E—03	1.65E—03	2.64E+01
270	3.18E—01	7.44E+01	9.26E—01	7.85E—03	1.95E—03	2.43E+01
280	3.64E—01	7.64E+01	8.22E—01	6.50E—03	2.28E—03	2.24E+01
290	4.15E—01	7.82E+01	7.31E—01	5.38E—03	2.66E—03	2.06E+01
300	4.70E—01	7.99E+01	6.49E—01	4.46E—03	3.09E—03	1.90E+01
310	5.28E—01	8.16E+01	5.74E—01	3.68E—03	3.56E—03	1.73E+01
320	5.96E—01	8.30E+01	5.09E—01	3.05E—03	4.12E—03	1.59E+01
330	6.70E—01	8.43E+01	4.52E—01	2.53E—03	4.75E—03	1.46E+01
340	7.53E—01	8.55E+01	4.00E—01	2.10E—03	5.47E—03	1.34E+01
350	8.43E—01	8.65E+01	3.54E—01	1.73E—03	6.29E—03	1.23E+01
360	9.43E—01	8.75E+01	3.13E—01	1.44E—03	7.21E—03	1.12E+01
370	1.05E+00	8.84E+01	2.77E—01	1.19E—03	8.26E—03	1.02E+01
380	1.17E+00	8.92E+01	2.45E—01	9.82E—04	9.44E—03	9.36E+00
390	1.31E+00	8.99E+01	2.16E—01	8.12E—04	1.08E—02	8.54E+00
400	1.46E+00	9.06E+01	1.91E—01	6.70E—04	1.23E—02	7.79E+00
410	1.62E+00	9.11E+01	1.68E—01	5.54E—04	1.40E—02	7.10E+00
420	1.79E+00	9.16E+01	1.48E—01	4.57E—04	1.59E—02	6.47E+00
430	1.99E+00	9.20E+01	1.31E—01	3.78E—04	1.80E—02	5.89E+00
440	2.20E+00	9.23E+01	1.15E—01	3.12E—04	2.05E—02	5.37E+00
450	2.43E+00	9.26E+01	1.02E—01	2.58E—04	2.32E—02	4.88E+00
460	2.68E+00	9.28E+01	8.95E—02	2.13E—04	2.62E—02	4.44E+00
470	2.96E+00	9.29E+01	7.88E—02	1.75E—04	2.96E—02	4.04E+00
480	3.26E+00	9.30E+01	6.93E—02	1.45E—04	3.34E—02	3.67E+00
490	3.59E+00	9.30E+01	6.10E—02	1.20E—04	3.77E—02	3.33E+00
500	3.95E+00	9.29E+01	5.37E—02	9.87E—05	4.25E—02	3.03E+00
510	4.34E+00	9.28E+01	4.72E—02	8.14E—05	4.78E—02	2.75E+00
520	4.76E+00	9.26E+01	4.15E—02	6.72E—05	5.38E—02	2.50E+00
530	5.22E+00	9.24E+01	3.65E—02	5.55E—05	6.04E—02	2.26E+00
540	5.72E+00	9.21E+01	3.21E—02	4.58E—05	6.77E—02	2.05E+00
550	6.26E+00	9.18E+01	2.82E—02	3.77E—05	7.59E—02	1.86E+00
560	6.85E+00	9.14E+01	2.47E—02	3.11E—05	8.50E—02	1.69E+00
570	7.48E+00	9.09E+01	2.17E—02	2.57E—05	9.51E—02	1.53E+00
580	8.17E+00	9.03E+01	1.90E—02	2.12E—05	1.06E—01	1.38E+00
590	8.91E+00	8.97E+01	1.67E—02	1.74E—05	1.19E—01	1.25E+00
600	9.70E+00	8.90E+01	1.46E—02	1.44E—05	1.32E—01	1.13E+00
610	1.05E+01	8.83E+01	1.28E—02	1.18E—05	1.47E—01	1.02E+00
620	1.15E+01	8.74E+01	1.12E—02	9.75E—06	1.64E—01	9.23E—01
630	1.24E+01	8.65E+01	9.84E—03	8.03E—06	1.82E—01	8.33E—01
640	1.35E+01	8.56E+01	8.60E—03	6.60E—06	2.01E—01	7.52E—01
650	1.46E+01	8.45E+01	7.52E—03	5.43E—06	2.23E—01	6.77E—01
660	1.58E+01	8.34E+01	6.57E—03	4.46E—06	2.47E—01	6.10E—01
670	1.70E+01	8.21E+01	5.73E—03	3.66E—06	2.72E—01	5.49E—01
680	1.84E+01	8.09E+01	5.00E—03	3.01E—06	3.00E—01	4.93E—01
690	1.97E+01	7.95E+01	4.35E—03	2.47E—06	3.31E—01	4.43E—01
700	2.12E+01	7.80E+01	3.79E—03	2.02E—06	3.63E—01	3.97E—01

Продолжение табл. 12

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	2.28E+01	7.65E+01	3.29E—03	1.65E—06	3.99E—01	3.56E—01
720	2.44E+01	7.49E+01	2.86E—03	1.35E—06	4.37E—01	3.18E—01
730	2.61E+01	7.32E+01	2.48E—03	1.11E—06	4.77E—01	2.85E—01
740	2.78E+01	7.14E+01	2.15E—03	9.03E—07	5.21E—01	2.54E—01
750	2.96E+01	6.96E+01	1.86E—03	7.36E—07	5.67E—01	2.26E—01
760	3.15E+01	6.77E+01	1.61E—03	6.00E—07	6.17E—01	2.01E—01
770	3.34E+01	6.57E+01	1.39E—03	4.88E—07	6.69E—01	1.79E—01
780	3.54E+01	6.37E+01	1.20E—03	3.96E—07	7.24E—01	1.59E—01
790	3.74E+01	6.17E+01	1.03E—03	3.22E—07	7.82E—01	1.41E—01
800	3.94E+01	5.96E+01	8.84E—04	2.61E—07	8.43E—01	1.25E—01
	D—266; LAT—80; LON—45; LT—12; *F*—200; *FΔV*—200; A_p —3; UT1—9					
80	5.37E—04	1.28E—03	2.08E+01	9.10E—01	1.28E—05	7.83E+01
90	5.90E—04	3.28E—01	2.02E+01	8.79E—01	7.69E—05	7.86E+01
100	9.56E—04	3.73E+00	1.77E+01	7.43E—01	1.26E—04	7.78E+01
110	2.38E—03	1.09E+01	1.30E+01	5.22E—01	2.53E—04	7.56E+01
120	5.89E—03	1.89E+01	8.58E+00	3.44E—01	3.79E—04	7.22E+01
130	1.23E—02	2.51E+01	6.29E+00	2.43E—01	4.10E—04	6.84E+01
140	2.06E—02	2.99E+01	5.21E+00	1.82E—01	3.75E—04	6.47E+01
150	2.99E—02	3.41E+01	4.56E+00	1.41E—01	3.36E—04	6.12E+01
160	4.05E—02	3.79E+01	4.08E+00	1.12E—01	3.14E—04	5.79E+01
170	5.28E—02	4.14E+01	3.67E+00	9.09E—02	3.12E—04	5.48E+01
180	6.69E—02	4.48E+01	3.31E+00	7.45E—02	3.27E—04	5.17E+01
190	8.30E—02	4.81E+01	2.99E+00	6.15E—02	3.59E—04	4.87E+01
200	1.01E—01	5.13E+01	2.70E+00	5.10E—02	4.07E—04	4.58E+01
210	1.22E—01	5.44E+01	2.43E+00	4.24E—02	4.72E—04	4.30E+01
220	1.46E—01	5.73E+01	2.19E+00	3.53E—02	5.53E—04	4.03E+01
230	1.73E—01	6.02E+01	1.97E+00	2.94E—02	6.53E—04	3.76E+01
240	2.03E—01	6.29E+01	1.77E+00	2.45E—02	7.73E—04	3.51E+01
250	2.37E—01	6.55E+01	1.59E+00	2.04E—02	9.16E—04	3.27E+01
260	2.75E—01	6.79E+01	1.42E+00	1.70E—02	1.08E—03	3.03E+01
270	3.18E—01	7.03E+01	1.27E+00	1.41E—02	1.28E—03	2.81E+01
280	3.66E—01	7.25E+01	1.13E+00	1.17E—02	1.51E—03	2.60E+01
290	4.20E—01	7.45E+01	1.01E+00	9.72E—03	1.77E—03	2.40E+01
300	4.79E—01	7.65E+01	8.98E—01	8.05E—03	2.07E—03	2.21E+01
310	5.45E—01	7.83E+01	7.97E—01	6.66E—03	2.42E—03	2.04E+01
320	6.19E—01	8.00E+01	7.07E—01	5.50E—03	2.82E—03	1.87E+01
330	7.02E—01	8.15E+01	6.26E—01	4.55E—03	3.28E—03	1.72E+01
340	7.93E—01	8.29E+01	5.54E—01	3.75E—03	3.80E—03	1.57E+01
350	8.94E—01	8.42E+01	4.90E—01	3.10E—03	4.40E—03	1.44E+01
360	1.01E+00	8.54E+01	4.33E—01	2.55E—03	5.08E—03	1.32E+01
370	1.13E+00	8.65E+01	3.82E—01	2.10E—03	5.85E—03	1.20E+01
380	1.27E+00	8.74E+01	3.37E—01	1.73E—03	6.73E—03	1.10E+01
390	1.42E+00	8.83E+01	2.97E—01	1.42E—03	7.73E—03	9.99E+00
400	1.58E+00	8.90E+01	2.61E—01	1.17E—03	8.85E—03	9.10E+00

Продолжение табл. 12

z, км	H⊕/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	1.77E+00	8.97E+01	2.30E−01	9.62E−04	1.01E−02	8.28E+00
420	1.97E+00	9.03E+01	2.02E−01	7.90E−04	1.16E−02	7.53E+00
430	2.19E+00	9.08E+01	1.77E−01	6.49E−04	1.32E−02	6.84E+00
440	2.43E+00	9.12E+01	1.56E−01	5.33E−04	1.51E−02	6.21E+00
450	2.70E+00	9.15E+01	1.37E−01	4.37E−04	1.71E−02	5.64E+00
460	2.99E+00	9.18E+01	1.20E−01	3.59E−04	1.95E−02	5.12E+00
470	3.31E+00	9.19E+01	1.05E−01	2.94E−04	2.21E−02	4.64E+00
480	3.66E+00	9.20E+01	9.21E−02	2.41E−04	2.51E−02	4.20E+00
490	4.05E+00	9.20E+01	8.07E−02	1.98E−04	2.84E−02	3.81E+00
500	4.47E+00	9.20E+01	7.07E−02	1.62E−04	3.21E−02	3.44E+00
510	4.92E+00	9.19E+01	6.19E−02	1.33E−04	3.63E−02	3.12E+00
520	5.42E+00	9.17E+01	5.42E−02	1.09E−04	4.09E−02	2.82E+00
530	5.96E+00	9.14E+01	4.74E−02	8.93E−05	4.62E−02	2.55E+00
540	6.55E+00	9.11E+01	4.14E−02	7.32E−05	5.20E−02	2.30E+00
550	7.19E+00	9.06E+01	3.62E−02	5.99E−05	5.84E−02	2.08E+00
560	7.88E+00	9.01E+01	3.16E−02	4.90E−05	6.56E−02	1.87E+00
570	8.63E+00	8.96E+01	2.76E−02	4.01E−05	7.36E−02	1.69E+00
580	9.44E+00	8.89E+01	2.41E−02	3.28E−05	8.25E−02	1.52E+00
590	1.03E+01	8.82E+01	2.10E−02	2.69E−05	9.23E−02	1.37E+00
600	1.12E+01	8.74E+01	1.83E−02	2.20E−05	1.03E−01	1.23E+00
610	1.23E+01	8.65E+01	1.60E−02	1.79E−05	1.15E−01	1.11E+00
620	1.33E+01	8.55E+01	1.39E−02	1.46E−05	1.28E−01	9.98E−01
630	1.45E+01	8.45E+01	1.21E−02	1.20E−05	1.43E−01	8.96E−01
640	1.57E+01	8.33E+01	1.05E−02	9.75E−06	1.59E−01	8.03E−01
650	1.70E+01	8.21E+01	9.11E−03	7.94E−06	1.76E−01	7.20E−01
660	1.84E+01	8.08E+01	7.90E−03	6.47E−06	1.95E−01	6.44E−01
670	1.99E+01	7.93E+01	6.84E−03	5.26E−06	2.15E−01	5.76E−01
680	2.14E+01	7.78E+01	5.92E−03	4.28E−06	2.37E−01	5.14E−01
690	2.30E+01	7.62E+01	5.12E−03	3.47E−06	2.62E−01	4.59E−01
700	2.47E+01	7.46E+01	4.42E−03	2.82E−06	2.88E−01	4.09E−01
710	2.65E+01	7.28E+01	3.81E−03	2.28E−06	3.15E−01	3.64E−01
720	2.84E+01	7.10E+01	3.28E−03	1.85E−06	3.45E−01	3.23E−01
730	3.03E+01	6.91E+01	2.82E−03	1.49E−06	3.77E−01	2.86E−01
740	3.23E+01	6.71E+01	2.42E−03	1.21E−06	4.11E−01	2.54E−01
750	3.43E+01	6.50E+01	2.08E−03	9.73E−07	4.48E−01	2.24E−01
760	3.64E+01	6.29E+01	1.78E−03	7.83E−07	4.86E−01	1.98E−01
770	3.85E+01	6.08E+01	1.52E−03	6.30E−07	5.26E−01	1.74E−01
780	4.07E+01	5.86E+01	1.30E−03	5.06E−07	5.69E−01	1.53E−01
790	4.29E+01	5.64E+01	1.11E−03	4.06E−07	6.13E−01	1.35E−01
800	4.51E+01	5.41E+01	9.41E−04	3.25E−07	6.60E−01	1.18E−01

D—266; LAT— 40; LON—45; LT—12; *F*—200; *FΔV*—200; A_p —3; UT1—9

80	5.43E−04	1.38E−03	2.08E+01	9.07E−01	1.37E−05	7.83E+01
90	6.09E−04	3.56E−01	2.02E+01	8.72E−01	8.43E−05	7.86E+01
100	9.53E−04	4.03E+00	1.78E+01	7.41E−01	1.25E−04	7.74E+01

Продолжение табл. 12

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.29E—03	1.21E+01	1.29E+01	4.98E—01	2.49E—04	7.45E+01
120	4.90E—03	2.07E+01	8.64E+00	3.29E—01	3.35E—04	7.04E+01
130	1.03E—02	2.68E+01	6.47E+00	2.40E—01	3.20E—04	6.65E+01
140	1.92E—02	3.18E+01	5.37E+00	1.80E—01	2.92E—04	6.27E+01
150	2.91E—02	3.64E+01	4.66E+00	1.37E—01	2.76E—04	5.88E+01
160	4.07E—02	4.09E+01	4.09E+00	1.06E—01	2.78E—04	5.49E+01
170	5.46E—02	4.52E+01	3.61E+00	8.33E—02	2.95E—04	5.11E+01
180	7.09E—02	4.92E+01	3.19E+00	6.63E—02	3.27E—04	4.75E+01
190	9.03E—02	5.31E+01	2.82E+00	5.30E—02	3.78E—04	4.40E+01
200	1.12E—01	5.67E+01	2.49E+00	4.28E—02	4.43E—04	4.07E+01
210	1.36E—01	6.00E+01	2.21E+00	3.47E—02	5.25E—04	3.76E+01
220	1.64E—01	6.31E+01	1.96E+00	2.83E—02	6.25E—04	3.48E+01
230	1.94E—01	6.60E+01	1.74E+00	2.32E—02	7.44E—04	3.21E+01
240	2.28E—01	6.86E+01	1.51E+00	1.90E—02	8.84E—04	2.96E+01
250	2.66E—01	7.11E+01	1.37E+00	1.57E—02	1.05E—03	2.72E+01
260	3.07E—01	7.34E+01	1.21E+00	1.29E—02	1.24E—03	2.51E+01
270	3.53E—01	7.55E+01	1.08E+00	1.07E—02	1.45E—03	2.31E+01
280	4.03E—01	7.74E+01	9.54E—01	8.81E—03	1.70E—03	2.12E+01
290	4.59E—01	7.92E+01	8.47E—01	7.29E—03	1.98E—03	1.95E+01
300	5.19E—01	8.08E+01	7.51E—01	6.03E—03	2.29E—03	1.79E+01
310	5.82E—01	8.24E+01	6.62E—01	1.97E—03	2.64E—03	1.63E+01
320	6.56E—01	8.38E+01	5.87E—01	4.11E—03	3.05E—03	1.50E+01
330	7.38E—01	8.50E+01	5.20E—01	3.41E—03	3.51E—03	1.37E+01
340	8.28E—01	8.61E+01	4.61E—01	2.82E—03	4.04E—03	1.26E+01
350	9.27E—01	8.71E+01	4.08E—01	2.33E—03	4.64E—03	1.15E+01
360	1.04E+00	8.81E+01	3.60E—01	1.93E—03	5.32E—03	1.05E+01
370	1.16E+00	8.89E+01	3.18E—01	1.59E—03	6.08E—03	9.61E+00
380	1.29E+00	8.96E+01	2.81E—01	1.32E—03	6.95E—03	8.77E+00
390	1.43E+00	9.03E+01	2.48E—01	1.09E—03	7.93E—03	8.00E+00
400	1.60E+00	9.09E+01	2.18E—01	8.94E—04	9.08E—03	7.28E+00
410	1.78E+00	9.14E+01	1.92E—01	7.38E—04	1.03E—02	6.63E+00
420	1.97E+00	9.18E+01	1.69E—01	6.09E—04	1.17E—02	6.04E+00
430	2.18E+00	9.22E+01	1.49E—01	5.03E—04	1.33E—02	5.50E+00
440	2.41E+00	9.24E+01	1.31E—01	4.15E—04	1.51E—02	5.00E+00
450	2.66E+00	9.27E+01	1.16E—01	3.42E—04	1.71E—02	4.55E+00
460	2.94E+00	9.28E+01	1.02E—01	2.82E—04	1.93E—02	4.13E+00
470	3.24E+00	9.29E+01	8.96E—02	2.33E—04	2.18E—02	3.76E+00
480	3.57E+00	9.29E+01	7.89E—02	1.92E—04	2.46E—02	3.41E+00
490	3.93E+00	9.29E+01	6.94E—02	1.59E—04	2.77E—02	3.10E+00
500	4.32E+00	9.28E+01	6.10E—02	1.31E—04	3.12E—02	2.81E+00
510	4.74E+00	9.26E+01	5.36E—02	1.08E—04	3.51E—02	2.55E+00
520	5.20E+00	9.24E+01	4.71E—02	8.90E—05	3.95E—02	2.32E+00
530	5.71E+00	9.21E+01	4.14E—02	7.33E—05	4.43E—02	2.10E+00
540	6.25E+00	9.18E+01	3.63E—02	6.05E—05	4.97E—02	1.90E+00
550	6.84E+00	9.13E+01	3.19E—02	4.98E—05	5.56E—02	1.72E+00
560	7.47E+00	9.09E+01	2.80E—02	4.11E—05	6.23E—02	1.56E+00
570	8.16E+00	9.03E+01	2.45E—02	3.39E—05	6.96E—02	1.41E+00
580	8.90E+00	8.97E+01	2.15E—02	2.79E—05	7.77E—02	1.28E+00
590	9.69E+00	8.90E+01	1.89E—02	2.30E—05	8.66E—02	1.15E+00
600	1.05E+01	8.83E+01	1.65E—02	1.89E—05	9.65E—02	1.01E+00

Продолжение табл. 12

z, км	Hc/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	1.15E+01	8.75E+01	1.45E−02	1.56E−05	1.07E−01	9.42E−01
620	1.24E+01	8.66E+01	1.27E−02	1.28E−05	1.19E−01	8.50E−01
630	1.35E+01	8.56E+01	1.11E−02	1.05E−05	1.32E−01	7.67E−01
640	1.46E+01	8.45E+01	9.67E−03	8.65E−06	1.47E−01	6.91E−01
650	1.58E+01	8.34E+01	8.44E−03	7.10E−06	1.62E−01	6.22E−01
660	1.71E+01	8.22E+01	7.36E−03	5.83E−06	1.79E−01	5.59E−01
670	1.84E+01	8.09E+01	6.42E−03	4.78E−06	1.98E−01	5.02E−01
680	1.98E+01	7.95E+01	5.59E−03	3.92E−06	2.18E−01	4.51E−01
690	2.13E+01	7.81E+01	4.86E−03	3.21E−06	2.39E−01	4.04E−01
700	2.28E+01	7.65E+01	4.23E−03	2.63E−06	2.63E−01	3.62E−01
710	2.45E+01	7.49E+01	3.67E−03	2.15E−06	2.88E−01	3.24E−01
720	2.62E+01	7.32E+01	3.18E−03	1.75E−06	3.15E−01	2.89E−01
730	2.79E+01	7.15E+01	2.75E−03	1.43E−06	3.44E−01	2.58E−01
740	2.97E+01	6.96E+01	2.38E−03	1.17E−06	3.74E−01	2.30E−01
750	3.16E+01	6.77E+01	2.06E−03	9.49E−07	4.07E−01	2.05E−01
760	3.36E+01	6.58E+01	1.78E−03	7.72E−07	4.42E−01	1.82E−01
770	3.56E+01	6.38E+01	1.53E−03	6.27E−07	4.78E−01	1.61E−01
780	3.76E+01	6.17E+01	1.32E−03	5.08E−07	5.17E−01	1.43E−01
790	3.97E+01	5.96E+01	1.13E−03	4.12E−07	5.58E−01	1.27E−01
800	4.18E+01	5.75E+01	9.70E−04	3.33E−07	6.00E−01	1.12E−01

D—266; LAT——80; LON—45; LT—12; F—200; FAV—200; A_p—3; UT—9

80	5.44E−04	1.21E−03	2.08E+01	9.33E−01	1.39E−05	7.83E+01
90	6.03E−04	3.08E−01	2.04E+01	9.15E−01	8.58E−05	7.84E+01
100	9.52E−04	3.45E+00	1.83E+01	7.98E−01	1.34E−04	7.75E+01
110	2.39E−03	1.01E+01	1.41E+01	5.75E−01	2.77E−04	7.53E+01
120	5.97E−03	1.75E+00	1.00E+01	3.92E−01	4.50E−04	7.20E+01
130	1.15E−02	2.33E+01	7.79E+00	2.90E−01	5.14E−04	6.86E+01
140	1.83E−03	2.78E+01	6.62E+00	2.27E−01	4.92E−04	6.53E+01
150	2.65E−02	3.16E+01	5.88E+00	1.83E−01	4.59E−04	6.23E+01
160	3.62E−02	3.51E+01	5.31E+00	1.50E−01	4.43E−04	5.94E+01
170	4.74E−02	3.84E+01	4.82E+00	1.24E−01	4.50E−04	5.66E+01
180	6.01E−02	4.15E+01	4.39E+00	1.04E−01	4.81E−04	5.39E+01
190	7.53E−02	4.46E+01	4.00E+00	8.72E−02	5.35E−04	5.12E+01
200	9.24E−02	4.76E+01	3.65E+00	7.34E−02	6.13E−04	4.86E+01
210	1.12E−01	5.04E+01	3.32E+00	6.19E−02	7.15E−04	4.61E+01
220	1.34E−01	5.33E+01	3.02E+00	5.22E−02	8.43E−04	4.35E+01
230	1.59E−01	5.60E+01	2.75E+00	4.41E−02	9.99E−04	4.10E+01
240	1.87E−01	5.87E+01	2.49E+00	3.72E−02	1.19E−03	3.86E+01
250	2.19E−01	6.12E+01	2.26E+00	3.14E−02	1.41E−03	3.63E+01
260	2.55E−01	6.37E+01	2.04E+00	2.64E−02	1.67E−03	3.40E+01
270	2.95E−01	6.61E+01	1.84E+00	2.23E−02	1.97E−03	3.18E+01
280	3.39E−01	6.83E+01	1.66E+00	1.87E−02	2.32E−03	2.97E+01
290	3.89E−01	7.05E+01	1.50E+00	1.57E−02	2.73E−03	2.76E+01
300	4.45E−01	7.25E+01	1.34E+00	1.32E−02	3.19E−03	2.57E+01

Продолжение табл. 12

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	5.08E—01	7.44E+01	1.21E+00	1.11E—02	3.73E—03	2.39E+01
320	5.76E—01	7.62E+01	1.08E+00	9.28E—03	4.34E—03	2.21E+01
330	6.52E—01	7.79E+01	9.68E—01	7.76E—03	5.03E—03	2.05E+01
340	7.36E—01	7.95E+01	8.64E—01	6.48E—03	5.82E—03	1.89E+01
350	8.29E—01	8.10E+01	7.71E—01	5.41E—03	6.72E—03	1.74E+01
360	9.31E—01	8.23E+01	6.87E—01	4.51E—03	7.74E—03	1.60E+01
370	1.04E+00	8.36E+01	6.11E—01	3.76E—03	8.89E—03	1.47E+01
380	1.17E+00	8.47E+01	5.43E—01	3.13E—03	1.02E—02	1.35E+01
390	1.30E+00	8.58E+01	4.82E—01	2.60E—03	1.17E—02	1.24E+01
400	1.45E+00	8.67E+01	4.28E—01	2.16E—03	1.33E—02	1.14E+01
410	1.62E+00	8.75E+01	3.80E—01	1.80E—03	1.52E—02	1.04E+01
420	1.80E+00	8.83E+01	3.36E—01	1.49E—03	1.73E—02	9.55E+00
430	2.00E+00	8.89E+01	2.98E—01	1.24E—03	1.97E—02	8.74E+00
440	2.21E+00	8.95E+01	2.64E—01	1.03E—03	2.24E—02	7.98E+00
450	2.45E+00	9.00E+01	2.33E—01	8.54E—04	2.53E—02	7.29E+00
460	2.71E+00	9.04E+01	2.06E—01	7.08E—04	2.87E—02	6.65E+00
470	2.99E+00	9.07E+01	1.82E—01	5.87E—04	3.25E—02	6.07E+00
480	3.30E+00	9.10E+01	1.61E—01	4.87E—04	3.67E—02	5.53E+00
490	3.63E+00	9.11E+01	1.42E—01	4.03E—04	4.14E—02	5.04E+00
500	4.00E+00	9.12E+01	1.25E—01	3.34E—04	4.66E—02	4.59E+00
510	4.39E+00	9.13E+01	1.10E—01	2.77E—04	5.25E—02	4.18E+00
520	4.83E+00	9.12E+01	9.74E—02	2.29E—04	5.90E—02	3.80E+00
530	5.29E+00	9.11E+01	8.58E—02	1.90E—04	6.62E—02	3.46E+00
540	5.80E+00	9.09E+01	7.56E—02	1.57E—04	7.43E—02	3.14E+00
550	6.35E+00	9.06E+01	6.66E—02	1.30E—04	8.32E—02	2.85E+00
560	6.94E+00	9.03E+01	5.86E—02	1.07E—04	9.32E—02	2.59E+00
570	7.58E+00	8.99E+01	5.16E—02	8.88E—05	1.04E—01	2.35E+00
580	8.27E+00	8.94E+01	4.53E—02	7.34E—05	1.16E—01	2.13E+00
590	9.02E+00	8.89E+01	3.98E—02	6.07E—05	1.30E—01	1.93E+00
600	9.82E+00	8.83E+01	3.50E—02	5.02E—05	1.44E—01	1.75E+00
610	1.07E+01	8.76E+01	3.07E—02	4.14E—05	1.61E—01	1.58E+00
620	1.16E+01	8.68E+01	2.70E—02	3.42E—05	1.79E—01	1.43E+00
630	1.26E+01	8.59E+01	2.36E—02	2.82E—05	1.98E—01	1.29E+00
640	1.36E+01	8.50E+01	2.07E—02	2.33E—05	2.19E—01	1.17E+00
650	1.47E+01	8.40E+01	1.81E—02	1.92E—05	2.43E—01	1.06E+00
660	1.59E+01	8.29E+01	1.59E—02	1.58E—05	2.68E—01	9.51E—01
670	1.72E+01	8.17E+01	1.39E—02	1.30E—05	2.96E—01	8.57E—01
680	1.85E+01	8.04E+01	1.21E—02	1.07E—05	3.26E—01	7.71E—01
690	1.99E+01	7.91E+01	1.06E—02	8.79E—06	3.59E—01	6.93E—01
700	2.13E+01	7.76E+01	9.21E—03	7.22E—06	3.94E—01	6.23E—01
710	2.29E+01	7.61E+01	8.02E—03	5.93E—06	4.32E—01	5.59E—01
720	2.45E+01	7.45E+01	6.98E—03	4.86E—06	4.72E—01	5.00E—01
730	2.62E+01	7.29E+01	6.06E—03	3.98E—06	5.16E—01	4.48E—01
740	2.79E+01	7.11E+01	5.26E—03	3.26E—06	5.62E—01	4.00E—01
750	2.97E+01	6.93E+01	4.56E—03	2.66E—06	6.12E—01	3.57E—01
760	3.15E+01	6.75E+01	3.95E—03	2.17E—06	6.64E—01	3.18E—01
770	3.34E+01	6.56E+01	3.41E—03	1.77E—06	7.20E—01	2.83E—01
780	3.54E+01	6.36E+01	2.94E—03	1.44E—06	7.79E—01	2.52E—01
790	3.74E+01	6.15E+01	2.54E—03	1.17E—06	8.41E—01	2.23E—01
800	3.94E+01	5.95E+01	2.18E—03	9.53E—07	9.06E—01	1.98E—01

Таблица 13

Широтные вариации состава при низкой солнечной активности для зимнего периода в северном и летнего в южном полушариях

z, км	He/S, *	O/S, *	O_2/S, *	Ar/S, *	H/S, *	N_2/S, *
	D—1; LAT—0; LON—45; LT—12; *F*—70; *FΔV*—70; *AP*—100; UT1—9					
80	5.53E—04	1.17E—03	2.08E+01	9.21E—01	1.77E—05	7.83E+01
90	6.13E—04	2.97E—01	2.04E+01	8.95E—01	1.18E—04	7.84E+01
100	9.53E—04	3.29E+00	1.84E+01	7.78E—01	1.93E—04	7.76E+01
110	2.51E—03	1.00E+01	1.40E+01	5.28E—01	4.88E—04	7.34E+01
120	7.13E—03	1.80E+01	9.90E+00	3.37E—01	1.07E—03	7.18E+01
130	1.32E—02	2.42E+01	7.60E+00	2.38E—01	1.44E—03	6.79E+01
140	2.11E—02	2.94E+01	6.34E+00	1.75E—01	1.66E—03	6.41E+01
150	3.18E—02	3.41E+01	5.49E+00	1.32E—01	1.85E—03	6.03E+01
160	4.54E—02	3.85E+01	4.81E+00	1.02E—01	2.09E—03	5.65E+01
170	6.26E—02	4.28E+01	4.23E+00	7.90E—02	2.44E—03	5.28E+01
180	8.39E—02	4.70E+01	3.71E+00	6.17E—02	2.92E—03	4.92E+01
190	1.10E—01	5.11E+01	3.25E+00	4.82E—02	3.59E—03	4.55E+01
200	1.42E—01	5.50E+01	2.83E+00	3.77E—02	4.49E—03	4.20E+01
210	1.80E—01	5.89E+01	2.46E+00	2.95E—02	5.65E—03	3.85E+01
220	2.27E—01	6.25E+01	2.13E+00	2.30E—02	7.15E—03	3.51E+01
230	2.82E—01	6.60E+01	1.84E+00	1.78E—02	9.01E—03	3.19E+01
240	3.47E—01	6.93E+01	1.58E+00	1.38E—02	1.14E—02	2.88E+01
250	4.24E—01	7.23E+01	1.35E+00	1.07E—02	1.44E—02	2.59E+01
260	5.16E—01	7.51E+01	1.15E+00	8.22E—03	1.80E—02	2.32E+01
270	6.21E—01	7.77E+01	9.75E—01	6.31E—03	2.25E—02	2.07E+01
280	7.45E—01	8.00E+01	8.24E—01	4.83E—03	2.79E—02	1.84E+01
290	8.89E—01	8.21E+01	6.95E—01	3.69E—03	3.45E—02	1.63E+01
300	1.06E+00	8.39E+01	5.84E—01	2.81E—03	4.24E—02	1.44E+01
310	1.26E+00	8.55E+01	4.92E—01	2.15E—03	5.23E—02	1.27E+01
320	1.48E+00	8.69E+01	4.11E—01	1.63E—03	6.39E—02	1.12E+01
330	1.74E+00	8.81E+01	3.43E—01	1.23E—03	7.77E—02	9.78E+00
340	2.03E+00	8.90E+01	2.86E—01	9.30E—04	9.42E—02	8.55E+00
350	2.37E+00	8.98E+01	2.37E—01	7.01E—04	1.14E—01	7.46E+00
360	2.76E+00	9.04E+01	1.97E—01	5.29E—04	1.37E—01	6.50E+00
370	3.20E+00	9.08E+01	1.63E—01	3.98E—04	1.65E—01	5.65E+00
380	3.70E+00	9.11E+01	1.35E—01	2.99E—04	1.99E—01	4.91E+00
390	4.28E+00	9.11E+01	1.12E—01	2.25E—04	2.38E—01	4.26E+00
400	4.93E+00	9.10E+01	9.23E—02	1.69E—04	2.84E—01	3.68E+00
410	5.66E+00	9.07E+01	7.61E—02	1.27E—04	3.38E—01	3.19E+00
420	6.50E+00	9.03E+01	6.26E—02	9.48E—05	4.02E—01	2.75E+00
430	7.43E+00	8.97E+01	5.15E—02	7.09E—05	4.76E—01	2.37E+00
440	8.48E+00	8.89E+01	4.23E—02	5.30E—05	5.63E—01	2.04E+00
450	9.66E+00	8.79E+01	3.47E—02	3.96E—05	6.64E—01	1.75E+00
460	1.10E+01	8.67E+01	2.84E—02	2.95E—05	7.81E—01	1.50E+00
470	1.24E+01	8.54E+01	2.32E—02	2.19E—05	9.15E—01	1.29E+00
480	1.40E+01	8.38E+01	1.89E—02	1.63E—05	1.07E+00	1.10E+00
490	1.58E+01	8.20E+01	1.54E—02	1.21E—05	1.25E+00	9.36E—01
500	1.77E+01	8.01E+01	1.25E—02	8.93E—06	1.45E+00	7.95E—01

Продолжение табл. 13

z, км	He/S, %	O/S, %	O_2/S, %	N_2/S, %	H/S, %	N_2/S, %
510	1.97E+01	7.79E+01	1.01E−02	6.59E−06	1.67E+00	6.73E−01
520	2.20E+01	7.55E+01	8.13E−03	4.85E−06	1.93E+00	5.69E−01
530	2.41E+01	7.29E+01	6.54E−03	3.56E−06	2.21E+00	4.79E−01
540	2.69E+01	7.02E+01	5.24E−03	2.60E−06	2.52E+00	4.02E−01
550	2.95E+01	6.73E+01	4.19E−03	1.90E−06	2.87E+00	3.36E−01
560	3.23E+01	6.42E+01	3.33E−03	1.38E−06	3.25E+00	2.80E−01
570	3.51E+01	6.10E+01	2.64E−03	9.98E−07	3.66E+00	2.32E−01
580	3.81E+01	5.77E+01	2.08E−03	7.20E−07	4.10E+00	1.91E−01
590	4.10E+01	5.43E+01	1.64E−03	5.17E−07	4.56E+00	1.57E−01
600	4.40E+01	5.09E+01	1.28E−03	3.70E−07	5.06E+00	1.29E−01
610	4.69E+01	4.74E+01	1.00E−03	2.64E−07	5.58E+00	1.05E−01
620	4.98E+01	4.40E+01	7.76E−04	1.87E−07	6.13E+00	8.54E−02
630	5.26E+01	4.07E+01	6.00E−04	1.32E−07	6.69E+00	6.90E−02
640	5.52E+01	3.74E+01	4.63E−04	9.34E−08	7.27E+00	5.56E−02
650	5.78E+01	3.43E+01	3.55E−04	6.56E−08	7.86E+00	4.46E−02
660	6.02E+01	3.13E+01	2.71E−04	4.59E−08	8.47E+00	3.56E−02
670	6.25E+01	2.84E+01	2.07E−04	3.21E−08	9.08E+00	2.84E−02
680	6.45E+01	2.58E+01	1.57E−04	2.23E−08	9.69E+00	2.25E−02
690	6.64E+01	2.33E+01	1.19E−04	1.55E−08	1.03E+01	1.78E−02
700	6.81E+01	2.09E+01	9.00E−05	1.07E−08	1.09E+01	1.41E−02
710	6.97E+01	1.88E+01	6.79E−05	7.42E−09	1.15E+01	1.11E−02
720	7.10E+01	1.68E+01	5.11E−05	5.12E−09	1.22E+01	8.72E−03
730	7.22E+01	1.50E+01	3.84E−05	3.52E−09	1.28E+01	6.84E−03
740	7.32E+01	1.34E+01	2.88E−05	2.42E−09	1.34E+01	5.35E−03
750	7.41E+01	1.19E+01	2.15E−05	1.66E−09	1.40E+01	4.18E−03
760	7.49E+01	1.06E+01	1.61E−05	1.14E−09	1.46E+01	3.27E−03
770	7.55E+01	9.36E+00	1.20E−05	7.81E−10	1.52E+01	2.55E−03
780	7.59E+01	8.29E+00	8.98E−06	5.37E−10	1.58E+01	1.98E−03
790	7.63E+01	7.33E+00	6.70E−06	3.68E−10	1.64E+01	1.54E−03
800	7.66E+01	6.48E+00	5.00E−06	2.52E−10	1.70E+01	1.20E−03

D 1; LAT—45; LON—15; LT—12; *F* 70; *FAV* 70; A_p —100; UT1—9

80	5.41E−04	1.29E−03	2.09E+01	8.61E−01	1.73E−05	7.83E+01
90	6.04E−04	3.31E−01	2.04E+01	7.97E−01	1.19E−04	7.84E+01
100	9.50E−04	3.73E+00	1.85E+01	6.37E−01	2.07E−04	7.71E+01
110	2.31E−03	1.07E+01	1.47E+01	4.13E−01	4.69E−04	7.42E+01
120	6.02E−03	1.80E+01	1.11E+01	2.56E−01	8.04E−04	7.07E+01
130	1.74E−02	2.42E+01	8.77E+00	1.64E−01	1.04E−03	6.69E+01
140	3.84E−02	2.96E+01	7.36E+00	1.09E−01	1.21E−03	6.29E+01
150	6.16E−02	3.48E+01	6.33E+00	7.53E−02	1.38E−03	5.87E+01
160	8.96E−02	3.99E+01	5.47E+00	5.37E−02	1.59E−03	5.45E+01
170	1.25E−01	4.49E+01	4.72E+00	3.92E−02	1.90E−03	5.02E+01
180	1.70E−01	4.98E+01	4.05E+00	2.90E−02	2.33E−03	4.59E+01
190	2.26E−01	5.46E+01	3.45E+00	2.15E−02	2.93E−03	4.17E+01
200	2.95E−01	5.92E+01	2.93E+00	1.61E−02	3.73E−03	3.76E+01

Продолжение табл. 13

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	3.80E—01	6.35E+01	2.47E+00	1.20E—02	4.79E—03	3.36E+01
220	4.83E—01	6.75E+01	2.07E+00	8.88E—03	6.18E—03	2.99E+01
230	6.08E—01	7.13E+01	1.72E+00	6.57E—03	7.96E—03	2.64E+01
240	7.58E—01	7.46E+01	1.43E+00	4.84E—03	1.02E—02	2.32E+01
250	9.38E—01	7.76E+01	1.18E+00	3.55E—03	1.31E—02	2.03E+01
260	1.15E+00	8.02E+01	9.67E—01	2.60E—03	1.67E—02	1.76E+01
270	1.41E+00	8.25E+01	7.91E—01	1.90E—03	2.12E—02	1.53E+01
280	1.71E+00	8.45E+01	6.44E—01	1.38E—03	2.68E—02	1.32E+01
290	2.06E+00	8.61E+01	5.23E—01	1.00E—03	3.37E—02	1.13E+01
300	2.48E+00	8.74E+01	4.23E—01	7.23E—04	4.22E—02	9.68E+01
310	2.96E+00	8.84E+01	3.41E—01	5.21E—04	5.25E—02	8.25E+00
320	3.53E+00	8.91E+01	2.75E—01	3.75E—04	6.53E—02	7.03E+00
330	4.20E+00	8.95E+01	2.21E—01	2.70E—04	8.09E—02	5.98E+00
340	4.97E+00	8.97E+01	1.77E—01	1.94E—04	9.98E—02	5.07E+00
350	5.86E+00	8.96E+01	1.42E—01	1.39E—04	1.23E—01	4.28E+00
360	6.89E+00	8.92E+01	1.13E—01	9.90E—05	1.50E—01	3.62E+00
370	8.08E+00	8.86E+01	9.01E—02	7.06E—05	1.84E—01	3.04E+00
380	9.43E+00	8.77E+01	7.16E—02	5.03E—05	2.24E—01	2.55E+00
390	1.10E+01	8.66E+01	5.68E—02	3.57E—05	2.71E—01	2.14E+00
400	1.27E+01	8.51E+01	4.49E—02	2.53E—05	3.27E—01	1.79E+00
410	1.47E+01	8.34E+01	3.54E—02	1.79E—05	3.93E—01	1.49E+00
420	1.68E+01	8.14E+01	2.78E—02	1.26E—05	4.70E—01	1.23E+00
430	1.93E+01	7.91E+01	2.17E—02	8.85E—06	5.60E—01	1.02E+00
440	2.19E+01	7.66E+01	1.69E—02	6.20E—06	6.63E—01	8.38E—01
450	2.48E+01	7.37E+01	1.32E—02	4.32E—06	7.82E—01	6.86E—01
460	2.79E+01	7.06E+01	1.02E—02	3.00E—06	9.16E—01	5.60E—01
470	3.12E+01	6.73E+01	7.82E—03	2.07E—06	1.07E+00	4.54E—01
480	3.47E+01	6.37E+01	5.98E—03	1.42E—06	1.23E+00	3.66E—01
490	3.83E+01	6.00E+01	4.55E—03	9.75E—07	1.42E+00	2.94E—01
500	4.20E+01	5.61E+01	3.45E—03	6.63E—07	1.62E+00	2.35E—01
510	4.58E+01	5.22E+01	2.59E—03	4.49E—07	1.83E+00	1.86E—01
520	4.96E+01	4.82E+01	1.94E—03	3.02E—07	2.07E+00	1.47E—01
530	5.33E+01	4.43E+01	1.44E—03	2.03E—07	2.31E+00	1.16E—01
540	5.69E+01	4.04E+01	1.07E—03	1.35E—07	2.57E+00	8.98E—02
550	6.04E+01	3.67E+01	7.87E—04	8.95E—08	2.83E+00	6.97E—02
560	6.37E+01	3.31E+01	5.76E—04	5.91E—08	3.11E+00	5.38E—02
570	6.69E+01	2.97E+01	4.20E—04	3.88E—08	3.39E+00	4.13E—02
580	6.98E+01	2.65E+01	3.05E—04	2.54E—08	3.68E+00	3.16E—02
590	7.24E+01	2.36E+01	2.20E—04	1.66E—08	3.97E+00	2.40E—02
600	7.48E+01	2.09E+01	1.59E—04	1.08E—08	4.26E+00	1.82E—02
610	7.70E+01	1.84E+01	1.14E—04	6.97E—09	4.56E+00	1.38E—02
620	7.89E+01	1.62E+01	8.17E—05	4.51E—09	4.86E+00	1.04E—02
630	8.07E+01	1.42E+01	5.84E—05	2.91E—09	5.16E+00	7.81E—03
640	8.21E+01	1.24E+01	4.16E—05	1.87E—09	5.45E+00	5.86E—03
650	8.34E+01	1.08E+01	2.96E—05	1.20E—09	5.76E+00	4.39E—03
660	8.45E+01	9.41E+00	2.10E—05	7.73E—10	6.06E+00	3.28E—03
670	8.55E+01	8.18E+00	1.49E—05	4.96E—10	6.36E+00	2.45E—03
680	8.62E+01	7.10E+00	1.06E—05	3.18E—10	6.67E+00	1.83E—03
690	8.69E+01	6.15E+00	7.51E—06	2.04E—10	6.97E+00	1.36E—03
700	8.74E+01	5.32E+00	5.32E—06	1.31E—10	7.28E+00	1.01E—03

Продолжение табл. 13

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	8.78E+01	4.60E+00	3.77E−06	8.38E−11	7.60E+00	7.55E−04
720	8.81E+01	3.98E+00	2.67E−06	5.37E−11	7.91E+00	5.62E−04
730	8.83E+01	3.44E+00	1.89E−06	3.45E−11	8.23E+00	4.18E−04
740	8.85E+01	2.97E+00	1.34E−06	2.21E−11	8.56E+00	3.11E−04
750	8.86E+01	2.56E+00	9.49E−07	1.42E−11	8.89E+00	2.32E−04
760	8.86E+01	2.21E+00	6.72E−07	9.11E−12	9.23E+00	1.73E−04
770	8.85E+01	1.91E+00	4.77E−07	5.85E−12	9.57E+00	1.28E−04
780	8.84E+01	1.64E+00	3.38E−07	3.76E−12	9.92E+00	9.57E−05
790	8.83E+01	1.42E+00	2.40E−07	2.42E−12	1.03E+01	7.13E−05
800	8.81E+01	1.22E+00	1.70E−07	1.56E−12	1.06E+01	5.31E−05

D—1; LAT—80; LON —45; LT—12; *F*—70; *FAV*—70; A_p —100; UT1—9

80	5.35E−04	1.04E−03	2.09E+01	9.71E−01	1.58E−05	7.81E+01
90	5.89E−04	2.59E−01	2.07E+01	9.69E−01	1.04E−04	7.81E+01
100	9.45E−04	2.87E+00	1.95E+01	8.61E−01	1.85E−04	7.68E+01
110	2.06E−03	7.62E+00	1.75E+01	6.97E−01	3.49E−04	7.42E+01
120	4.41E−03	1.18E+01	1.58E+01	5.73E−01	4.62E−04	7.19E+01
130	1.17E−02	1.51E+01	1.44E+01	4.81E−01	5.35E−04	7.01E+01
140	2.46E−02	1.79E+01	1.32E+01	4.10E−01	5.75E−04	6.84E+01
150	3.88E−02	2.07E+01	1.21E+01	3.49E−01	6.16E−04	6.68E+01
160	5.61E−02	2.35E+01	1.11E+01	2.95E−01	6.82E−04	6.51E+01
170	7.82E−02	2.63E+01	1.02E+01	2.48E−01	7.86E−04	6.32E+01
180	1.06E−01	2.92E+01	9.38E+00	2.07E−01	9.43E−04	6.11E+01
190	1.42E−01	3.22E+01	8.59E+00	1.72E−01	1.16E−03	5.89E+01
200	1.86E−01	3.53E+01	7.84E+00	1.43E−01	1.47E−03	5.66E+01
210	2.40E−01	3.85E+01	7.13E+00	1.18E−01	1.87E−03	5.40E+01
220	3.08E−01	4.17E+01	6.47E+00	9.73E−02	2.40E−03	5.14E+01
230	3.90E−01	4.50E+01	5.83E+00	7.99E−02	3.07E−03	4.87E+01
240	4.89E−01	4.84E+01	5.24E+00	6.54E−02	3.94E−03	4.58E+01
250	6.09E−01	5.17E+01	4.69E+00	5.33E−02	5.02E−03	4.30E+01
260	7.51E−01	5.49E+01	4.18E+00	4.33E−02	6.37E−03	4.01E+01
270	9.19E−01	5.81E+01	3.70E+00	3.50E−02	8.03E−03	3.72E+01
280	1.12E+00	6.12E+01	3.27E+00	2.82E−02	1.01E−02	3.44E+01
290	1.35E+00	6.42E+01	2.87E+00	2.26E−02	1.26E−02	3.16E+01
300	1.62E+00	6.69E+01	2.51E+00	1.81E−02	1.56E−02	2.89E+01
310	1.95E+00	6.92E+01	2.21E+00	1.46E−02	1.94E−02	2.66E+01
320	2.31E+00	7.16E+01	1.92E+00	1.15E−02	2.37E−02	2.41E+01
330	2.72E+00	7.38E+01	1.65E+00	9.12E−03	2.89E−02	2.17E+01
340	3.19E+00	7.58E+01	1.42E+00	7.18E−03	3.50E−02	1.95E+01
350	3.73E+00	7.75E+01	1.22E+00	5.63E−03	4.23E−02	1.75E+01
360	4.33E+00	7.89E+01	1.04E+00	4.41E−03	5.08E−02	1.56E+01
370	5.01E+00	8.01E+01	8.87E−01	3.44E−03	6.07E−02	1.39E+01
380	5.78E+00	8.10E+01	7.54E−01	2.68E−03	7.23E−02	1.24E+01
390	6.64E+00	8.17E+01	6.39E−01	2.08E−03	8.58E−02	1.09E+01
400	7.60E+00	8.21E+01	5.40E−01	1.61E−03	1.01E−01	9.65E+00

Продолжение табл. 13

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	8.67E+00	8.23E+01	4.55E—01	1.25E—03	1.20E—01	8.49E+00
420	9.85E+00	8.22E+01	3.83E—01	9.63E—04	1.40E—01	7.46E+00
430	1.12E+01	8.18E+01	3.21E—01	7.24E—04	1.64E—01	6.53E+00
440	1.26E+01	8.12E+01	2.69E—01	5.70E—04	1.91E—01	5.70E+00
450	1.42E+01	8.04E+01	2.24E—01	4.37E—04	2.22E—01	4.97E+00
460	1.59E+01	7.94E+01	1.87E—01	3.34E—04	2.57E—01	4.31E+00
470	1.77E+01	7.81E+01	1.55E—01	2.55E—04	2.97E—01	3.74E+00
480	1.98E+01	7.66E+01	1.28E—01	1.94E—04	3.41E—01	3.23E+00
490	2.19E+01	7.48E+01	1.06E—01	1.47E—04	3.90E—01	2.78E+00
500	2.42E+01	7.29E+01	8.73E—02	1.11E—04	4.45E—01	2.39E+00
510	2.66E+01	7.07E+01	7.17E—02	8.41E—05	5.05E—01	2.04E+00
520	2.92E+01	6.84E+01	5.87E—02	6.33E—05	5.71E—01	1.74E+00
530	3.19E+01	6.59E+01	4.79E—02	4.75E—05	6.44E—01	1.48E+00
540	3.47E+01	6.33E+01	3.89E—02	3.56E—05	7.22E—01	1.26E+00
550	3.76E+01	6.05E+01	3.13E—02	2.65E—05	8.07E—01	1.06E+00
560	4.05E+01	5.77E+01	2.55E—02	1.97E—05	8.97E—01	8.94E—01
570	4.35E+01	5.48E+01	2.05E—02	1.46E—05	9.93E—01	7.50E—01
580	4.65E+01	5.18E+01	1.65E—02	1.08E—05	1.10E+00	6.27E—01
590	4.95E+01	4.88E+01	1.32E—02	7.97E—06	1.20E+00	5.22E—01
600	5.25E+01	4.57E+01	1.05E—02	5.85E—06	1.32E+00	4.31E—01
610	5.54E+01	4.28E+01	8.33E—03	4.29E—06	1.43E+00	3.59E—01
620	5.83E+01	3.98E+01	6.60E—03	3.13E—06	1.55E+00	2.96E—01
630	6.11E+01	3.70E+01	5.21E—03	2.28E—06	1.68E+00	2.43E—01
640	6.38E+01	3.42E+01	4.10E—03	1.66E—06	1.80E+00	1.99E—01
650	6.64E+01	3.15E+01	3.22E—02	1.20E—06	1.94E+00	1.63E—01
660	6.88E+01	2.90E+01	2.52E—03	8.66E—07	2.07E+00	1.33E—01
670	7.11E+01	2.66E+01	1.97E—03	6.25E—07	2.20E+00	1.08E—01
680	7.33E+01	2.43E+01	1.53E—03	4.50E—07	2.34E+00	8.76E—02
690	7.53E+01	2.21E+01	1.19E—03	3.23E—07	2.47E+00	7.09E—02
700	7.72E+01	2.02E+01	9.27E—04	2.32E—07	2.61E+00	5.73E—02
710	7.89E+01	1.83E+01	7.18E—04	1.66E—07	2.75E+00	4.62E—02
720	8.05E+01	1.66E+01	5.56E—04	1.19E—07	2.89E+00	3.72E—02
730	8.19E+01	1.50E+01	4.30E—04	8.49E—08	3.03E+00	2.99E—02
740	8.32E+01	1.36E+01	3.32E—04	6.06E—08	3.17E+00	2.40E—02
750	8.44E+01	1.22E+01	2.56E—04	4.32E—08	3.31E+00	1.93E—02
760	8.55E+01	1.10E+01	1.97E—04	3.08E—08	3.45E+00	1.54E—02
770	8.65E+01	9.91E+00	1.52E—04	2.20E—08	3.60E+00	1.24E—02
780	8.73E+01	8.91E+00	1.17E—04	1.57E—08	3.74E+00	9.90E—03
790	8.81E+01	8.01E+00	9.01E—05	1.11E—08	3.88E+00	7.92E—03
800	8.88E+01	7.19E+00	6.93E—05	7.91E—09	4.03E+00	6.33E—03

D 1; LAT——40, LON—45; LT—12; *F*—70; *FAV* 70, A_p 100; UT1 9

80	5.42E—04	9.93E—04	2.08E+01	1.01E+00	1.61E—05	7.81E+01
90	6.05E—04	2.46E—01	2.05E+01	1.03E+00	1.08E—04	7.82E+01
100	9.47E—04	2.68E+00	1.89E+01	9.73E—01	1.77E—04	7.74E+01

Продолжение табл. 13

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.29E—03	7.69E+00	1.57E+01	7.80E—01	4.05E—04	7.59E+01
120	4.46E—03	1.30E+01	1.25E+01	6.21E—01	7.29E—04	7.39E+01
130	3.92E—03	1.71E+01	1.05E+01	5.33E—01	9.26E—04	7.19E+01
140	3.85E—03	2.04E+01	9.26E+00	4.70E—01	1.02E—03	6.98E+01
150	5.25E—03	2.33E+01	8.40E+00	4.14E—01	1.09E—03	6.79E+01
160	7.38E—03	2.60E+01	7.70E+00	3.60E—01	1.18E—03	6.59E+01
170	1.01E—02	2.87E+01	7.08E+00	3.10E—01	1.34E—03	6.39E+01
180	1.34E—02	3.13E+01	6.52E+00	2.65E—01	1.56E—03	6.18E+01
190	1.75E—02	3.40E+01	6.00E+00	2.25E—01	1.88E—03	5.97E+01
200	2.25E—02	3.68E+01	5.52E+00	1.90E—01	2.31E—03	5.75E+01
210	2.85E—02	3.95E+01	5.07E+00	1.61E—01	2.86E—03	5.52E+01
220	3.57E—02	4.24E+01	4.65E+00	1.35E—01	3.57E—03	5.28E+01
230	4.42E—02	4.52E+01	4.25E+00	1.14E—01	4.46E—03	5.04E+01
240	5.43E—02	4.81E+01	3.87E+00	9.54E—02	5.57E—03	4.79E+01
250	6.62E—02	5.10E+01	3.52E+00	7.99E—02	6.93E—03	4.53E+01
260	8.01E—02	5.39E+01	3.18E+00	6.67E—02	8.59E—03	4.28E+01
270	9.63E—02	5.68E+01	2.87E+00	5.55E—02	1.06E—02	4.02E+01
280	1.15E—01	5.96E+01	2.58E+00	4.61E—02	1.30E—02	3.76E+01
290	1.37E—01	6.24E+01	2.32E+00	3.81E—02	1.59E—02	3.51E+01
300	1.62E—01	6.50E+01	2.07E+00	3.15E—02	1.92E—02	3.27E+01
310	1.92E—01	6.72E+01	1.87E+00	2.63E—02	2.37E—02	3.07E+01
320	2.25E—01	6.97E+01	1.66E+00	2.16E—02	2.85E—02	2.83E+01
330	2.62E—01	7.21E+01	1.47E+00	1.76E—02	3.42E—02	2.61E+01
340	3.04E—01	7.44E+01	1.30E+00	1.44E—02	4.08E—02	2.39E+01
350	3.51E—01	7.65E+01	1.14E+00	1.17E—02	4.85E—02	2.19E+01
360	4.04E—01	7.85E+01	1.00E+00	9.56E—03	5.75E—02	2.00E+01
370	4.64E—01	8.03E+01	8.81E—01	7.77E—03	6.80E—02	1.82E+01
380	5.32E—01	8.20E+01	7.72E—01	6.30E—03	8.02E—02	1.66E+01
390	6.08E—01	8.35E+01	6.75E—01	5.10E—03	9.43E—02	1.51E+01
400	6.92E—01	8.49E+01	5.89E—01	4.13E—03	1.11E—01	1.37E+01
410	7.87E—01	8.62E+01	5.14E—01	3.34E—03	1.29E—01	1.24E+01
420	8.94E—01	8.73E+01	4.48E—01	2.70E—03	1.51E—01	1.12E+01
430	1.01E+00	8.83E+01	3.89E—01	2.18E—03	1.76E—01	1.01E+01
440	1.14E+00	8.92E+01	3.38E—01	1.75E—03	2.04E—01	9.14E+00
450	1.29E+00	8.99E+01	2.94E—01	1.41E—03	2.37E—01	8.24E+00
460	1.45E+00	9.06E+01	2.55E—01	1.14E—03	2.75E—01	7.42E+00
470	1.64E+00	9.11E+01	2.21E—01	9.16E—04	3.18E—01	6.67E+00
480	1.84E+00	9.16E+01	1.91E—01	7.37E—04	3.67E—01	6.00E+00
490	2.06E+00	9.20E+01	1.66E—01	5.92E—04	4.24E—01	5.39E+00
500	2.31E+00	9.22E+01	1.43E—01	4.76E—04	4.88E—01	4.84E+00
510	2.58E+00	9.24E+01	1.24E—01	3.82E—04	5.61E—01	4.34E+00
520	2.89E+00	2.25E+01	1.07E—01	3.07E—04	6.44E—01	3.89E+00
530	3.22E+00	2.25E+01	9.26E—02	2.47E—04	7.39E—01	3.49E+00
540	3.59E+00	9.24E+01	8.00E—02	1.98E—04	8.46E—01	3.12E+00
550	3.99E+00	9.22E+01	6.90E—02	1.59E—04	9.68E—01	2.80E+00
560	4.44E+00	9.19E+01	5.95E—02	1.27E—04	1.11E+00	2.50E+00
570	4.93E+00	9.15E+01	5.13E—02	1.02E—04	1.26E+00	2.23E+00
580	5.46E+00	9.11E+01	4.42E—02	8.19E—05	1.44E+00	2.00E+00
590	6.05E+00	9.05E+01	3.81E—02	6.56E—05	1.63E+00	1.78E+00
600	6.68E+00	8.98E+01	3.27E—02	5.26E—05	1.85E+00	1.59E+00

Продолжение табл. 13

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	7.38E+00	8.91E+01	2.81E−02	4.21E−05	2.10E+00	1.41E+00
620	8.13E+00	8.82E+01	2.42E−02	3.36E−05	2.38E+00	1.26E+00
630	8.94E+00	8.72E+01	2.07E−02	2.69E−05	2.69E+00	1.12E+00
640	9.82E+00	8.61E+01	1.78E−02	2.15E−05	3.03E+00	9.94E−01
650	1.08E+01	8.49E+01	1.52E−02	1.71E−05	3.41E+00	8.81E−01
660	1.18E+01	8.36E+01	1.30E−02	1.36E−05	3.83E+00	7.80E−01
670	1.29E+01	8.21E+01	1.11E−02	1.09E−05	4.29E+00	6.90E−01
680	1.40E+01	8.06E+01	9.47E−03	8.64E−06	4.80E+00	6.09E−01
690	1.52E+01	7.89E+01	8.06E−03	6.86E−06	5.36E+00	5.37E−01
700	1.65E+01	7.70E+01	6.85E−03	5.44E−06	5.96E+00	4.73E−01
710	1.79E+01	7.51E+01	5.81E−03	4.30E−06	6.62E+00	4.15E−01
720	1.93E+01	7.30E+01	4.92E−03	3.40E−06	7.33E+00	3.64E−01
730	2.07E+01	7.09E+01	4.16E−03	2.68E−06	8.10E+00	3.18E−01
740	2.22E+01	6.86E+01	3.51E−03	2.11E−06	8.91E+00	2.78E−01
750	2.38E+01	6.62E+01	2.95E−03	1.66E−06	9.79E+00	2.42E−01
760	2.54E+01	6.37E+01	2.48E−03	1.30E−06	1.07E+01	2.10E−01
770	2.70E+01	6.11E+01	2.07E−03	1.02E−06	1.17E+01	1.82E−01
780	2.86E+01	5.85E+01	1.73E−03	7.93E−07	1.27E+01	1.57E−01
790	3.02E+01	5.59E+01	1.44E−03	6.18E−07	1.38E+01	1.36E−01
800	3.18E+01	5.32E+01	1.20E−03	4.80E−07	1.49E+01	1.17E−01

D—1, LAT —80; LON—45; LT—12; *F*—70; *FAV*—70; A_p —100; UT1—9

80	5.41E−04	8.01E−04	2.09E+01	9.96E−01	1.76E−05	7.81E+01
90	5.98E−04	1.93E−01	2.08E+01	1.01E+00	1.20E−04	7.80E+01
100	9.39E−04	2.05E+00	1.99E+01	9.39E−01	2.13E−04	7.71E+01
110	2.04E−03	5.43E−00	1.85E+01	7.78E−01	4.58E−04	7.53E+01
120	2.91E−03	8.34E+00	1.74E+01	6.59E−01	7.22E−04	7.36E+01
130	1.58E−03	1.04E+01	1.64E+01	5.88E−01	9.10E−04	7.26E+01
140	1.15E−03	1.19E+01	1.55E+01	5.38E−01	1.03E−03	7.20E+01
150	1.47E−03	1.32E+01	1.47E+01	4.90E−01	1.14E−03	7.16E+01
160	2.03E−03	1.44E+01	1.39E+01	4.43E−01	1.28E−03	7.12E+01
170	2.77E−03	1.56E+01	1.32E+01	3.95E−01	1.48E−03	7.08E+01
180	3.69E−03	1.69E+01	1.25E+01	3.50E−01	1.76E−03	7.03E+01
190	4.83E−03	1.82E+01	1.19E+01	3.09E−01	2.15E−03	6.97E+01
200	6.23E−03	1.95E+01	1.12E+01	2.71E−01	2.67E−03	6.89E+01
210	7.92E−03	2.10E+01	1.07E+01	2.38E−01	3.35E−03	6.81E+01
220	1.00E−02	2.25E+01	1.01E+01	2.09E−01	4.23E−03	6.71E+01
230	1.25E−02	2.42E+01	9.56E+00	1.83E−01	5.34E−03	6.60E+01
240	1.56E−02	2.60E+01	9.03E+00	1.60E−01	6.74E−03	6.48E+01
250	1.92E−02	2.79E+01	8.51E+00	1.40E−01	8.48E−03	6.34E+01
260	2.35E−02	3.00E+01	8.00E+00	1.22E−01	1.06E−02	6.19E+01
270	2.87E−02	3.21E+01	7.50E+00	1.06E−01	1.33E−02	6.02E+01
280	3.49E−02	3.44E+01	7.02E+00	9.26E−02	1.65E−02	5.85E+01
290	4.21E−02	3.67E+01	6.55E+00	8.03E−02	2.05E−02	5.66E+01
300	5.06E−02	3.91E+01	6.09E+00	6.95E−02	2.53E−02	5.46E+01

Продолжение табл. 13

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	6.14E—02	4.07E+01	5.74E+00	6.09E—02	3.15E—02	5.34E+01
320	7.30E—02	4.34E+01	5.31E+00	5.24E—02	3.84E—02	5.11E+01
330	8.64E—02	4.62E+01	4.89E+00	4.49E—02	4.67E—02	4.88E+01
340	1.02E—01	4.89E+01	4.49E+00	3.84E—02	5.65E—02	4.64E+01
350	1.20E—01	5.16E+01	4.11E+00	3.28E—02	6.82E—02	4.41E+01
360	1.40E—01	5.43E+01	3.76E+00	2.79E—02	8.19E—02	4.17E+01
370	1.63E—01	5.69E+01	3.43E+00	2.37E—02	9.80E—02	3.94E+01
380	1.89E—01	5.95E+01	3.11E+00	2.01E—02	1.17E—01	3.71E+01
390	2.19E—01	6.20E+01	2.82E+00	1.70E—02	1.39E—01	3.48E+01
400	2.53E—01	6.44E+01	2.55E+00	1.44E—02	1.64E—01	3.26E+01
410	2.91E—01	6.68E+01	2.30E+00	1.21E—02	1.94E—01	3.04E+01
420	3.33E—01	6.90E+01	2.07E+00	1.02E—02	2.28E—01	2.84E+01
430	3.81E—01	7.11E+01	1.86E+00	8.15E—03	2.67E—01	2.64E+01
440	4.34E—01	7.31E+01	1.67E+00	7.13E—03	3.13E—01	2.45E+01
450	4.93E—01	7.50E+01	1.49E+00	5.95E—03	3.65E—01	2.26E+01
460	5.59E—01	7.68E+01	1.33E+00	4.97E—03	4.24E—01	2.09E+01
470	6.32E—01	7.84E+01	1.19E+00	4.14E—03	4.92E—01	1.93E+01
480	7.13E—01	7.99E+01	1.06E+00	3.44E—03	5.69E—01	1.78E+01
490	8.03E—01	8.13E+01	9.41E—01	2.86E—03	6.57E—01	1.63E+01
500	9.02E—01	8.25E+01	8.35E—01	2.37E—03	7.57E—01	1.50E+01
510	1.01E+00	8.36E+01	7.40E—01	1.97E—03	8.70E—01	1.37E+01
520	1.13E+00	8.46E+01	6.55E—01	1.63E—03	9.98E—01	1.26E+01
530	1.26E+00	8.55E+01	5.79E—01	1.35E—03	1.14E+00	1.15E+01
540	1.41E+00	8.63E+01	5.11E—01	1.11E—03	1.31E+00	1.05E+01
550	1.57E+00	8.69E+01	4.51E—01	9.18E—03	1.49E+00	9.57E+00
560	1.74E+00	8.74E+01	3.98E—01	7.58E—04	1.70E+00	8.72E+00
570	1.93E+00	8.79E+01	3.50E—01	6.25E—04	1.93E+00	7.94E+00
580	2.14E+00	8.81E+01	3.08E—01	5.15E—04	2.19E+00	7.21E+00
590	2.36E+00	8.83E+01	2.71E—01	4.24E—04	2.48E+00	6.55E+00
600	2.61E+00	8.84E+01	2.38E—01	3.48E—04	2.81E+00	5.94E+00
610	2.88E+00	8.84E+01	2.09E—01	2.86E—04	3.17E+00	5.39E+00
620	3.16E+00	8.82E+01	1.83E—01	2.35E—04	3.58E+00	4.88E+00
630	3.48E+00	8.79E+01	1.60E—01	1.93E—04	4.02E+00	4.41E+00
640	3.81E+00	8.75E+01	1.40E—01	1.58E—04	4.52E+00	3.99E+00
650	4.18E+00	8.70E+01	1.22E—01	1.30E—04	5.07E+00	3.60E+00
660	4.57E+00	8.64E+01	1.07E—01	1.06E—04	5.68E+00	3.25E+00
670	4.98E+00	8.56E+01	9.32E—02	8.69E—05	6.35E+00	2.92E+00
680	5.43E+00	8.48E+01	8.12E—02	7.10E—05	7.09E+00	2.63E+00
690	5.90E+00	8.38E+01	7.06E—02	5.80E—05	7.89E+00	2.36E+00
700	6.40E+00	8.26E+01	6.14E—02	4.73E—05	8.77E+00	2.12E+00
710	6.93E+00	8.14E+01	5.33E—02	3.85E—05	9.73E+00	1.90E+00
720	7.49E+00	8.00E+01	4.61E—02	3.13E—05	1.08E+01	1.69E+00
730	8.08E+00	7.85E+01	3.99E—02	2.54E—05	1.19E+01	1.51E+00
740	8.69E+00	7.68E+01	3.45E—02	2.06E—05	1.31E+01	1.35E+00
750	9.33E+00	7.51E+01	2.97E—02	1.67E—05	1.44E+01	1.20E+00
760	9.99E+00	7.32E+01	2.55E—02	1.35E—05	1.58E+01	1.06E+00
770	1.07E+01	7.12E+01	2.19E—02	1.09E—05	1.72E+01	9.42E—01
780	1.14E+01	6.90E+01	1.88E—02	8.76E—06	1.88E+01	8.33E—01
790	1.21E+01	6.68E+01	1.61E—02	7.04E—06	2.04E+01	7.34E—01
800	1.28E+01	6.45E+01	1.37E—02	5.64E—06	2.21E+01	6.46E—01

Таблица 14

Широтные вариации состава при средней солнечной активности для зимнего периода в северном и летнего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—1; LAT —0; LON—45; LT—12; *F* 150; *FAV*— 150; A_p —100; UT1—9					
80	5.59E—04	1.25E—03	2.08E+01	9.18E—01	1.56E—05	7.83L+01
90	6.15E—04	3.19E—01	2.03E+01	8.93E—01	9.50E—05	7.85E+01
100	9.54E—04	3.56E+00	1.80E+01	7.74E—01	1.42E—04	7.76E+01
110	2.50E—03	1.09E+01	1.33E+01	5.21E—01	3.23E—04	7.53E+01
120	7.24E—03	1.97E+01	8.85E+00	3.29E—01	6.46E—04	7.11E+01
130	1.32E—02	2.62E+01	6.60E+00	2.34E—01	7.45E—04	6.70E+01
140	2.04E—02	3.12E+01	5.18E+00	1.77E—01	7.38E—04	6.31E+01
150	2.94E—02	3.55E+01	4.78E+00	1.37E—01	7.12E—04	5.96E+01
160	4.01E—02	3.94E+01	4.26E+00	1.10E—01	7.07E—04	5.62E+01
170	5.27E—02	4.31E+01	3.81E+00	8.86E—02	7.35E—04	5.29E+01
180	6.72E—02	4.66E+01	3.42E+00	7.23E—02	8.00E—04	4.98E+01
190	8.39E—02	5.00E+01	3.08E+00	5.94E—02	9.02E—04	4.68E+01
200	1.03E—01	5.32E+01	2.77E+00	4.90E—02	1.04E—03	4.39E+01
210	1.25E—01	5.62E+01	2.49E+00	4.05E—02	1.23E—03	4.11E+01
220	1.50E—01	5.92E+01	2.23E+00	3.36E—02	1.45E—03	3.84E+01
230	1.78E—01	6.20E+01	2.00E+00	2.78E—02	1.73E—03	3.58E+01
240	2.09E—01	6.47E+01	1.79E+00	2.30E—02	2.06E—03	3.33E+01
250	2.45E—01	6.72E+01	1.60E+00	1.91E—02	2.45E—03	3.09E+01
260	2.85E—01	6.96E+01	1.43E+00	1.58E—02	2.91E—03	2.86E+01
270	3.30E—01	7.19E+01	1.27E+00	1.31E—02	3.45E—03	2.65E+01
280	3.80E—01	7.41E+01	1.13E+00	1.08E—02	4.07E—03	2.44E+01
290	4.37E—01	7.60E+01	1.01E+00	8.94E—03	4.79E—03	2.25E+01
300	4.99E—01	7.79E+01	8.99E—01	7.38E—03	5.62E—03	2.07E+01
310	5.69E—01	7.96E+01	7.91E—01	6.09E—03	6.57E—03	1.90E+01
320	6.47E—01	8.12E+01	6.99E—01	5.02E—03	7.66E—03	1.74E+01
330	7.33E—01	8.27E+01	6.18E—01	4.13E—03	8.91E—03	1.60E+01
340	8.28E—01	8.40E+01	5.46E—01	3.40E—03	1.03E—02	1.46E+01
350	9.34E—01	8.52E+01	4.81E—01	2.80E—03	1.20E—02	1.33E+01
360	1.05E+00	8.63E+01	4.24E—01	2.30E—03	1.38E—02	1.22E+01
370	1.18E+00	8.73E+01	3.73E—01	1.89E—03	1.59E—02	1.11E+01
380	1.32E+00	8.82E+01	3.28E—01	1.55E—03	1.83E—02	1.01E+01
390	1.48E+00	8.90E+01	2.89E—01	1.27E—03	2.10E—02	9.18E+00
400	1.65E+00	8.97E+01	2.54E—01	1.04E—03	2.41E—02	8.35E+00
410	1.85E+00	9.03E+01	2.23E—01	8.53E—04	2.76E—02	7.58E+00
420	2.06E+00	9.08E+01	1.95E—01	7.01E—04	3.16E—02	6.89E+00
430	2.29E+00	9.13E+01	1.71E—01	5.71E—04	3.60E—02	6.25E+00
440	2.54E+00	9.16E+01	1.50E—01	4.70E—04	4.11E—02	5.66E+00
450	2.82E+00	9.19E+01	1.32E—01	3.85E—04	4.68E—02	5.13E+00
460	3.13E+00	9.21E+01	1.15E—01	3.15E—04	5.32E—02	4.65E+00
470	3.47E+00	9.22E+01	1.01E—01	2.58E—04	6.04E—02	4.21E+00
480	3.83E+00	9.22E+01	8.33E—02	2.11E—04	6.85E—02	3.81E+00
490	4.23E+00	9.22E+01	7.72E—02	1.73E—04	7.76E—02	3.45E+00
500	4.67E+00	9.21E+01	6.75E—02	1.41E—04	8.78E—02	3.11E+00

Продолжение табл. 14

z, км	Hc/S, %	O/S, %	O_2/S, %	A*/S, %	H/S, %	N_2/S, %
510	5.15E+00	9.19E+01	5.90E−02	1.16E−04	9.92E−02	2.81E+00
520	5.67E+00	9.16E+01	5.16E−02	9.46E−05	1.12E−01	2.54E+00
530	6.24E+00	9.13E+01	4.50E−02	7.73E−05	1.26E−01	2.29E+00
540	6.86E+00	9.09E+01	3.93E−02	6.32E−05	1.42E−01	2.07E+00
550	7.53E+00	9.04E+01	3.43E−02	5.17E−05	1.60E−01	1.87E+00
560	8.25E+00	8.99E+01	2.99E−02	4.22E−05	1.80E−01	1.68E+00
570	9.03E+00	8.92E+01	2.61E−02	3.45E−05	2.02E−01	1.51E+00
580	9.88E+00	8.85E+01	2.27E−02	2.81E−05	2.26E−01	1.36E+00
590	1.08E+01	8.77E+01	1.98E−02	2.30E−05	2.53E−01	1.22E+00
600	1.18E+01	8.68E+01	1.72E−02	1.87E−05	2.83E−01	1.10E+00
610	1.28E+01	8.59E+01	1.50E−02	1.53E−05	3.15E−01	9.88E−01
620	1.39E+01	8.48E+01	1.30E−02	1.24E−05	3.51E−01	8.86E−01
630	1.51E+01	8.37E+01	1.13E−02	1.01E−05	3.91E−01	7.94E−01
640	1.64E+01	8.24E+01	9.77E−03	8.23E−06	4.34E−01	7.11E−01
650	1.78E+01	8.11E+01	8.47E−03	6.69E−06	4.81E−01	6.36E−01
660	1.92E+01	7.97E+01	7.33E−03	5.44E−06	5.32E−01	5.68E−01
670	2.07E+01	7.82E+01	6.33E−03	4.41E−06	5.88E−01	5.07E−01
680	2.23E+01	7.66E+01	5.47E−03	3.57E−06	6.49E−01	4.52E−01
690	2.40E+01	7.49E+01	4.72E−03	2.89E−06	7.14E−01	4.02E−01
700	2.57E+01	7.31E+01	4.06E−03	2.34E−06	7.84E−01	3.57E−01
710	2.75E+01	7.13E+01	3.49E−03	1.89E−06	8.59E−01	3.17E−01
720	2.94E+01	6.94E+01	3.00E−03	1.53E−06	9.40E−01	2.81E−01
730	3.14E+01	6.73E+01	2.57E−03	1.23E−06	1.03E+00	2.48E−01
740	3.34E+01	6.53E+01	2.20E−03	9.89E−07	1.12E+00	2.19E−01
750	3.54E+01	6.32E+01	1.88E−03	7.95E−07	1.21E+00	1.93E−01
760	3.75E+01	6.10E+01	1.61E−03	6.38E−07	1.32E+00	1.70E−01
770	3.97E+01	5.88E+01	1.37E−03	5.11E−07	1.42E+00	1.50E−01
780	4.18E+01	5.65E+01	1.16E−03	4.09E−07	1.54E+00	1.31E−01
790	4.40E+01	5.42E+01	9.89E−04	3.26E−07	1.65E+00	1.15E−01
800	4.62E+01	5.19E+01	8.38E−04	2.60E−07	1.77E+00	1.00E−01

D—1; LAT—40; LON—45; LT—12; *F*—150; *FAV*—150; A_p —100; UT1—9

80	5.42E−04	1.38E−03	2.08E+01	8.58E−01	1.50E−05	7.83E+01
90	6.04E−04	3.37E−01	2.04E+01	7.95E−01	9.66E−05	7.85E+01
100	9.50E−04	4.06E+00	1.82E+01	6.33E−01	1.55E−04	7.71E+01
110	2.33E−03	1.18E+01	1.38E+01	4.06E−01	3.24E−04	7.39E+01
120	5.93E−03	1.99E+01	9.88E+00	2.50E−01	4.99E−04	7.00E+01
130	1.53E−02	2.63E+01	7.60E+00	1.62E−01	5.62E−04	6.59E+01
140	3.04E−02	3.16E+01	6.35E+00	1.10E−01	5.61E−04	6.19E+01
150	4.58E−02	3.64E+01	5.51E+00	7.83E−02	5.51E−04	5.79E+01
160	6.31E−02	4.10E+01	4.85E+00	5.81E−02	5.59E−04	5.41E+01
170	8.34E−02	4.53E+01	4.27E+00	4.44E−02	5.92E−04	5.03E+01
180	1.07E−01	4.94E+01	3.77E+00	3.46E−02	6.54E−04	4.67E+01
190	1.34E−01	5.33E+01	3.32E+00	2.73E−02	7.49E−04	4.32E+01
200	1.66E−01	5.70E+01	2.93E+00	2.17E−02	8.77E−04	3.99E+01

Продолжение табл. 14

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	2.03E—01	6.06E+01	2.57E+00	1.74E—02	1.04E—03	3.67E+01
220	2.44E—01	6.39E+01	2.26E+00	1.39E—02	1.25E—03	3.36E+01
230	2.92E—01	6.70E+01	1.97E+00	1.11E—02	1.51E—03	3.07E+01
240	3.47E—01	6.99E+01	1.73E+00	8.92E—03	1.81E—03	2.81E+01
250	4.09E—01	7.25E+01	1.51E+00	7.15E—03	2.18E—03	2.55E+01
260	4.79E—01	7.50E+01	1.31E+00	5.72E—03	2.62E—03	2.32E+01
270	5.59E—01	7.73E+01	1.14E+00	4.58E—03	3.14E—03	2.10E+01
280	6.49E—01	7.93E+01	9.90E+00	3.66E—03	3.74E—03	1.90E+01
290	7.50E—01	8.12E+01	8.59E—01	2.93E—03	4.46E—03	1.72E+01
300	8.65E—01	8.29E+01	7.43E—01	2.33E—03	5.29E—03	1.55E+01
310	9.87E—01	8.45E+01	6.39E—01	1.85E—03	6.22E—03	1.39E+01
320	1.13E+00	8.58E+01	5.52E—01	1.48E—03	7.34E—03	1.25E+01
330	1.30E+00	8.70E+01	4.77E—01	1.18E—03	8.65E—03	1.12E+01
340	1.48E+00	8.80E+01	4.11E—01	9.37E—04	1.02E—02	1.01E+01
350	1.68E+00	8.89E+01	3.55E—01	7.46E—04	1.19E—02	9.03E+00
360	1.91E+00	8.97E+01	3.05E—01	5.93E—04	1.40E—02	8.09E+00
370	2.17E+00	9.03E+01	2.63E—01	4.72E—04	1.63E—02	7.24E+00
380	2.45E+00	9.08E+01	2.26E—01	3.75E—04	1.90E—02	6.47E+00
390	2.77E+00	9.12E+01	1.94E—01	2.98E—04	2.21E—02	5.78E+00
400	3.12E+00	9.15E+01	1.66E—01	2.36E—04	2.57E—02	5.16E+00
410	3.52E+00	9.17E+01	1.43E—01	1.88E—04	2.97E—02	4.60E+00
420	3.96E+00	9.18E+01	1.22E—01	1.49E—04	3.44E—02	4.10E+00
430	4.44E+00	9.18E+01	1.05E—01	1.18E—04	3.98E—02	3.65E+00
440	4.98E+00	9.16E+01	8.98E—02	9.36E—05	4.59E—02	3.25E+00
450	5.57E+00	9.14E+01	7.68E—02	7.42E—05	5.29E—02	2.89E+00
460	6.23E+00	9.11E+01	6.57E—02	5.87E—05	6.08E—02	2.56E+00
470	6.95E+00	9.06E+01	5.61E—02	4.65E—05	6.98E—02	2.28E+00
480	7.74E+00	9.01E+01	4.79E—02	3.68E—05	8.01E—02	2.02E+00
490	8.61E+00	8.95E+01	4.09E—02	2.91E—05	9.16E—02	1.79E+00
500	9.57E+00	8.87E+01	3.48E—02	2.30E—05	1.05E—01	1.58E+00
510	1.06E+01	8.78E+01	2.97E—02	1.82E—05	1.19E—01	1.40E+00
520	1.17E+01	8.69E+01	2.52E—02	1.43E—05	1.36E—01	1.24E+00
530	1.30E+01	8.58E+01	2.15E—02	1.13E—05	1.54E—01	1.09E+00
540	1.43E+01	8.45E+01	1.82E—02	8.91E—06	1.75E—01	9.62E—01
550	1.57E+01	8.32E+01	1.54E—02	7.01E—06	1.98E—01	8.47E—01
560	1.73E+01	8.17E+01	1.31E—02	5.51E—06	2.24E—01	7.44E—01
570	1.89E+01	8.01E+01	1.11E—02	4.33E—06	2.52E—01	6.53E—01
580	2.07E+01	7.84E+01	9.33E—03	3.39E—06	2.83E—01	5.72E—01
590	2.26E+01	7.66E+01	7.87E—03	2.66E—06	3.18E—01	5.00E—01
600	2.46E+01	7.46E+01	6.62E—03	2.08E—06	3.55E—01	4.37E—01
610	2.67E+01	7.26E+01	5.56E—03	1.62E—06	3.96E—01	3.80E—01
620	2.88E+01	7.04E+01	4.66E—03	1.26E—06	4.41E—01	3.31E—01
630	3.11E+01	6.81E+01	3.90E—03	9.82E—07	4.89E—01	2.87E—01
640	3.35E+01	6.57E+01	3.25E—03	7.62E—07	5.40E—01	2.48E—01
650	3.59E+01	6.32E+01	2.71E—03	5.91E—07	5.96E—01	2.14E—01
660	3.84E+01	6.07E+01	2.25E—03	4.57E—07	6.55E—01	1.85E—01
670	4.10E+01	5.81E+01	1.87E—03	3.52E—07	7.17E—01	1.59E—01
680	4.36E+01	5.55E+01	1.54E—03	2.71E—07	7.84E—01	1.36E—01
690	4.62E+01	5.28E+01	1.27E—03	2.08E—07	8.53E—01	1.16E—01
700	4.88E+01	5.02E+01	1.05E—03	1.60E—07	9.26E—01	9.92E—02

Продолжение табл. 14

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	5.14E+01	4.75E+01	8.61E−04	1.22E−07	1.00E+00	8.44E−02
720	5.40E+01	4.48E+01	7.06E−04	9.32E−08	1.08E+00	7.17E−02
730	5.66E+01	4.22E+01	5.76E−04	7.10E−08	1.16E+00	6.07E−02
740	5.90E+01	3.97E+01	4.70E−04	5.39E−08	1.25E+00	5.13E−02
750	6.15E+01	3.72E+01	3.83E−04	4.09E−08	1.33E+00	4.32E−02
760	6.38E+01	3.47E+01	3.11E−04	3.10E−08	1.42E+00	3.64E−02
770	6.61E+01	3.21E+01	2.52E−04	2.34E−08	1.51E+00	3.05E−02
780	6.83E+01	3.01E+01	2.04E−04	1.77E−08	1.60E+00	2.56E−02
790	7.03E+01	2.80E+01	1.65E−04	1.33E−08	1.69E+00	2.14E−02
800	7.23E+01	2.59E+01	1.33E−04	1.00E−08	1.78E+00	1.79E−02

D—1; LAT—80; LON 45; LT 12; *F*—150; *FΔV*—150; A_p —100; UT1—9

80	5.37E−04	1.11E−03	2.09E+01	9.68E−01	1.35E−05	7.81E+01
90	5.88E−04	2.78E−01	2.06E+01	9.68E−01	8.25E−05	7.81E+01
100	9.45E−04	3.11E+00	1.91E+01	8.59E−01	1.37E−04	7.69E+01
110	2.12E−03	8.37E+00	1.66E+01	6.90E−01	2.42E−04	7.44E+01
120	4.30E−03	1.30E+01	1.43E+01	5.66E−01	2.87E−04	7.21E+01
130	9.24E−03	1.66E+01	1.27E+01	4.80E−01	2.89E−04	7.02E+01
140	1.66E−02	1.95E+01	1.15E+01	4.15E−01	2.68E−04	6.85E+01
150	2.46E−02	2.22E+01	1.06E+01	3.59E−01	2.49E−04	6.68E+01
160	3.40E−02	2.48E+01	9.83E+00	3.11E−01	2.44E−04	6.50E+01
170	4.54E−02	2.73E+01	9.11E+00	2.68E−01	2.53E−04	6.32E+01
180	5.91E−02	2.99E+01	8.45E+00	2.30E−01	2.76E−04	6.14E+01
190	7.55E−02	3.25E+01	7.83E+00	1.97E−01	3.16E−04	5.94E+01
200	9.50E−02	3.51E+01	7.26E+00	1.68E−01	3.71E−04	5.71E+01
210	1.18E−01	3.78E+01	6.72E+00	1.44E−01	4.45E−04	5.52E+01
220	1.45E−01	4.05E+01	6.20E+00	1.23E−01	5.39E−04	5.30E+01
230	1.76E−01	4.32E+01	5.71E+00	1.05E−01	6.56E−04	5.08E+01
240	2.13E−01	4.59E+01	5.25E+00	8.94E−02	8.01E−04	4.85E+01
250	2.55E−01	4.87E+01	4.81E+00	7.62E−02	9.75E−04	4.62E+01
260	3.04E−01	5.14E+01	4.40E+00	6.46E−02	1.18E−03	4.38E+01
270	3.60E−01	5.41E+01	4.01E+00	5.48E−02	1.43E−03	4.15E+01
280	4.24E−01	5.67E+01	3.65E+00	4.63E−02	1.73E−03	3.91E+01
290	4.97E−01	5.93E+01	3.31E+00	3.91E−02	2.08E−03	3.68E+01
300	5.79E−01	6.18E+01	3.00E+00	3.29E−02	2.48E−03	3.45E+01
310	6.77E−01	6.40E+01	2.72E+00	2.79E−02	2.98E−03	3.25E+01
320	7.82E−01	6.64E+01	2.45E+00	2.34E−02	3.53E−03	3.03E+01
330	9.00E−01	6.87E+01	2.20E+00	1.95E−02	4.17E−03	2.82E+01
340	1.03E+00	7.08E+01	1.97E+00	1.63E−02	4.91E−03	2.62E+01
350	1.18E+00	7.28E+01	1.76E+00	1.36E−02	5.75E−03	2.42E+01
360	1.34E+00	7.47E+01	1.57E+00	1.13E−02	6.73E−03	2.24E+01
370	1.53E+00	7.64E+01	1.40E+00	9.41E−03	7.85E−03	2.07E+01
380	1.73E+00	7.80E+01	1.25E+00	7.80E−03	9.12E−03	1.90E+01
390	1.95E+00	7.95E+01	1.11E+00	6.47E−03	1.06E−02	1.75E+01
400	2.20E+00	8.08E+01	9.80E−01	5.35E−03	1.22E−02	1.60E+01

Продолжение табл. 14

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2 S %
410	2.48E+00	8.20E+01	8.67E−01	4.42E −03	1.41E−02	1.47E+01
420	2.78E+00	8.30E+01	7.67E−01	3.65E−03	1.62E−02	1.34E+01
430	3.11E+00	8.39E+01	6.77E−01	3.01E− 03	1.87E −02	1.23E +01
440	3.47E+00	8.47E+01	5.97E −01	2.48E−03	2.14E− 02	1.12E+01
450	3.87E+00	8.54E+01	5.25E−01	2.04E− 03	2.45E−02	1.02E+01
460	4.31E+00	8.59E+01	4.62E−01	1.68E−03	2.79E−02	9.26E+00
470	4.79E+00	8.64E+01	4.06E −01	1.38E−03	3.18E−02	8.41E+00
480	5.32E−00	8.67E+01	3.57E−01	1.13E−03	3.62E−02	7.64E+00
490	5.89E+00	8.68E+01	3.13E 01	9.30E−04	4.11E−02	6.92E+00
500	6.51E+00	8.69E+01	2.74E−01	7.63E −04	4.66E−02	6.27E+00
510	7.19E+00	8.68E+01	2.40E− 01	6.25E −04	5 27E 02	5.68E+00
520	7.92E+00	8.67E+01	2.10E−01	5.12E−04	5.95E−02	5.13E+00
530	8.72E+00	8.64E−01	1.83E −01	4.19E−04	6.72E 02	4.63E+00
540	9.57E+00	8.60E− 01	1.60E 01	3.42E− 04	7.56E 02	4.18E+00
550	1.05E+01	8.55E−01	1.40E−01	2.80E−04	8.50E−02	3.77E+00
560	1.15E+01	8.49E+01	1.22E −01	2.28E −04	9.54E 02	3.39E+00
570	1.26E+01	8.42E+01	1.06E− 01	1.86E −04	1.07E−01	3.05E+00
580	1.37E+01	8.33E−01	9.20E−02	1.52E−04	1.19E−01	2.74E+00
590	1.49E+01	8.24E+01	7.99E 02	1.23E − 04	1.33E− 01	2.46E+00
600	1.62E+01	8.13E+01	6.94E− 02	1.00E−04	1.49E−01	2.20E+00
610	1.76E+01	8.02E+01	6.01E−02	8.16E− 05	1 65E 01	1.97E+00
620	1.91E+01	7.89E+01	5.20E − 02	6.63E 05	1.83E 01	1.76E+00
630	2.07E+01	7.75E+01	4.50E−02	5.37E− 05	2.03E−01	1.57E+00
640	2.23E+01	7.60E+01	3.88E − 02	4.35E −05	2.24E− 01	1.40E+00
650	2.40E+01	7.44E+01	3.35E − 02	3.52E −05	2.48E− 01	1.25E+00
660	2.58E+01	7.28E+01	2.88E−02	2.85E−05	2.73E− 01	1.11E+00
670	2.77E+01	7.10E+01	2.48E−02	2.30E −05	2.99E −01	9.84E−01
680	2.97E+01	6.91E+01	2.13E−02	1.85E−05	3.28E−01	8.72E −01
690	3.17E+01	6.72E+01	1.82E−02	1.49E −05	3.59E−01	7.71E −01
700	3.38E+01	6.52E+01	1.56E −02	1.20E−05	3.91E −01	6.81E − 01
710	3.59E+01	6.31E+01	1.33E − 02	9.61E− 06	4.26E−01	6.00F −01
720	3.81E+01	6.09E+01	1.14E − 02	7.70E − 06	4.63E− 01	5.28E−01
730	4.03E+01	5.87E+01	9.68E−03	6.16E−06	5.01E− 01	4.64E − 01
740	4.25F+01	5.65E+01	8.23E−03	4.92E −06	5.42E−01	4.06E − 01
750	4.48E+01	5.43E+01	6.98E−03	3.92E −06	5.84E−01	3.56E−01
760	4.71E+01	5.20E+01	5.91E−03	3.13E−06	6.28E−01	3.11E −01
770	4.94E+01	4.97E+01	5.00E−03	2.48E− 06	6.74E−01	2.71E −01
780	5.16E+01	4.74E+01	4.22E−03	1.97E− 06	7.21E−01	2.36E− 01
790	5.39E+01	4.51E+01	3.55E−03	1.56E− 06	7.70E−01	2.05E−01
800	5.61E+01	4.29E+01	2.99E −03	1.24E −06	8.20E− 01	1.78E−01

D—1, LAT — —40, LON— 45; LT—12; *F*—150; *FAV*—150, *Ap*—100, UT1—9.

80	5.44E−04	1.07E− 03	2.08E+01	1.00E+00	1.39E− 05	7.82E+01
90	6.06E−04	2.69E−01	2.04E+01	1.03E+00	8.66E−05	7.83E+01
100	9.48E−04	2.96E+00	1.86E+01	9.68E− 01	1.31E−04	7.75E+01

Продолжение табл. 14

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.34E−03	8.61E+00	1.48E+01	7.69E−01	2.74E−04	7.58E+01
120	4.78E−03	1.46E+01	1.12E+01	6.10E−01	4.43E−04	7.35E+01
130	4.65E−03	1.91E+01	9.13E+00	5.27E−01	4.88E−04	7.12E+01
140	4.78E−03	2.25E+01	8.01E+00	4.72E−01	4.62E−04	6.90E+01
150	6.37E−03	2.53E+01	7.28E+00	4.23E−01	4.30E−04	6.70E+01
160	8.61E−03	2.79E+01	6.72E+00	3.77E−01	4.15E−04	6.50E+01
170	1.13E−02	3.03E+01	6.24E+00	3.33E−01	4.22E−04	6.31E+01
180	1.44E−02	3.26E+01	5.81E+00	2.92E−01	4.52E−04	6.12E+01
190	1.81E−02	3.50E+01	5.41E+00	2.55E−01	5.04E−04	5.94E+01
200	2.22E−02	3.73E+01	5.05E+00	2.23E−01	5.78E−04	5.74E+01
210	2.70E−02	3.96E+01	4.71E+00	1.94E−01	6.75E−04	5.55E+01
220	3.24E−02	4.18E+01	4.39E+00	1.69E−01	7.96E−04	5.36E+01
230	3.86E−02	4.41E+01	4.09E+00	1.48E−01	9.44E−04	5.16E+01
240	4.55E−02	4.64E+01	3.80E+00	1.29E−01	1.12E−03	4.96E+01
250	5.34E−02	4.87E+01	3.53E+00	1.12E−01	1.33E−03	4.76E+01
260	6.22E−02	5.10E+01	3.27E+00	9.77E−02	1.57E−03	4.55E+01
270	7.21E−02	5.33E+01	3.03E+00	8.49E−02	1.86E−03	4.35E+01
280	8.31E−02	5.55E+01	2.80E+00	7.38E−02	2.18E−03	4.15E+01
290	9.54E−02	5.77E+01	2.59E+00	6.40E−02	2.56E−03	3.95E+01
300	1.09E−01	5.99E+01	2.38E+00	5.55E−02	2.99E−03	3.75E+01
310	1.25E−01	6.17E+01	2.21E+00	4.85E−02	3.51E−03	3.59E+01
320	1.42E−01	6.38E+01	2.03E+00	4.19E−02	4.06E−03	3.39E+01
330	1.60E−01	6.59E+01	1.86E+00	3.62E−02	4.69E−03	3.20E+01
340	1.81E−01	6.79E+01	1.70E+00	3.12E−02	5.40E−03	3.02E+01
350	2.03E−01	6.98E+01	1.56E+00	2.69E−02	6.21E−03	2.84E+01
360	2.28E−01	7.16E+01	1.42E+00	2.32E−02	7.11E−03	2.67E+01
370	2.55E−01	7.33E+01	1.29E+00	1.99E−02	8.13E−03	2.51E+01
380	2.84E−01	7.50E+01	1.18E+00	1.71E−02	9.28E−03	2.35E+01
390	3.17E−01	7.66E+01	1.07E+00	1.47E−02	1.06E−02	2.20E+01
400	3.52E−01	7.81E+01	9.74E−01	1.26E−02	1.20E−02	2.06E+01
410	3.91E−01	7.95E+01	8.85E−01	1.08E−02	1.36E−02	1.92E+01
420	4.33E−01	8.08E+01	8.02E−01	9.27E−03	1.54E−02	1.79E+01
430	4.79E−01	8.20E+01	7.27E−01	7.93E−03	1.74E−02	1.67E+01
440	5.29E−01	8.32E+01	6.59E−01	6.79E−03	1.96E−02	1.56E+01
450	5.83E−01	8.43E+01	5.96E−01	5.81E−03	2.21E−02	1.45E+01
460	6.42E−01	8.53E+01	5.39E−01	4.96E−03	2.48E−02	1.35E+01
470	7.06E−01	8.62E+01	4.87E−01	4.24E−03	2.79E−02	1.25E+01
480	7.76E−01	8.71E+01	4.40E−01	3.62E−03	3.13E−02	1.17E+01
490	8.51E−01	8.79E+01	3.97E−01	3.09E−03	3.51E−02	1.08E+01
500	9.33E−01	8.86E+01	3.58E−01	2.64E−03	3.92E−02	1.00E+01
510	1.02E+00	8.93E+01	3.23E−01	2.25E−03	4.39E−02	9.31E+00
520	1.12E+00	8.99E+01	2.92E−01	1.92E−03	4.90E−02	8.63E+00
530	1.22E+00	9.05E+01	2.63E−01	1.64E−03	5.46E−02	7.99E+00
540	1.33E+00	9.10E+01	2.37E−01	1.40E−03	6.09E−02	7.40E+00
550	1.45E+00	9.14E+01	2.13E−01	1.19E−03	6.78E−02	6.85E+00
560	1.58E+00	9.18E+01	1.92E−01	1.02E−03	7.54E−02	6.34E+00
570	1.73E+00	9.22E+01	1.73E−01	8.68E−04	8.38E−02	5.87E+00
580	1.88E+00	9.24E+01	1.56E−01	7.40E−04	9.31E−02	5.43E+00
590	2.04E+00	9.27E+01	1.40E−01	6.31E−04	1.03E−01	5.02E+00
600	2.22E+00	9.29E+01	1.26E−01	5.38E−04	1.15E−01	4.64E+00

Продолжение табл. 14

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2 S, %
610	2 41E+00	9.31E+01	1.13E—01	4.59E—04	1.27E—01	4.29E+00
620	2.61E+00	9.32E+01	1.02E—01	3.91E—04	1.40E—01	3.96E+00
630	2.83E+00	9.33E+01	9.18E—02	3.34E—04	1.55E—01	3.66E+00
640	3.07E+00	9.33E+01	8.25E—02	2.84E—04	1.72E—01	3.38E+00
650	3.33E+00	9.33E+01	7 42E—02	2.43E—04	1.90E—01	3.12E+00
660	3.60E+00	9.32E+01	6.67E—02	2.07E—04	2.09E—01	2.88E+00
670	3.89E+00	9.32E+01	6.00E—02	1.76E—04	2.31E—01	2.66E+00
680	4 21E+00	9.30E+01	5.39E—02	1.50E—04	2 55E—01	2.45E+00
690	4.54E+00	9.29E+01	4.85E—02	1.28E—01	2.80E—01	2.26E+00
700	4.90E+00	9.27E+01	4.35E—02	1.09E—01	3.09E—01	2.09E+00
710	5.29E+00	9.24E+01	3.91E—02	9.33E—05	3 40E—01	1.93E+00
720	5 70E+00	9.21E+01	3.51E—02	7.95E—05	3.73E—01	1.78E+00
730	6.14E+00	9.18E+01	3.16E—02	6 78E—05	4.10E—01	1.64E+00
740	6.61E+00	9.14E+01	2.83E—02	5.78E—05	4 50E—01	1.51E+00
750	7.10E+00	9.10E+01	2.54E—02	4.93E—05	4.93E—01	1.39E+00
760	7.64E+00	9.05E+01	2.28E—02	4.20E—05	5.40E—01	1.28E+00
770	8.20E+00	9.00E+01	2 05E—02	3.58E—05	5.92E—01	1.18E+00
780	8.80E+00	8.95E+01	1 84E—02	3.05E—05	6.47E—01	1.08E+00
790	9.43E+00	8.88E+01	1 65E—02	2.60E—05	7 07F—01	9.98E—01
800	1.01E+01	8.82E+01	1 48E—02	2.22E—05	7 72E—01	9.17E—01

D—1; LAT — —80; LON—45; LT—12; *F*—150; *FAV*—150; *Ap* —100; UT1—9.

80	5.44E—04	8.54E—04	2 09E+01	9.94E—01	1.52E—05	7.81E+01
90	5.99E—04	2 07E—01	2.07E+01	1 01E+00	9.57E—05	7.81E+01
100	9.43E—04	2.22E+00	1.96E+01	9.38E—01	1.56E—04	7 73E+01
110	2.13E—03	5.98E+00	1.76E+01	7 72E—01	3.13E—04	7.57E+01
120	3.28E—03	9.28E+00	1.58E+01	6.55E—01	4.44E—04	7.43E+01
130	2.14E—03	1 15E+01	1.46E+01	5 91E—01	4.88E—04	7 33E+01
140	1.71E—03	1 31E+01	1.37E+01	5.47E—01	4.78E—04	7.27E+01
150	2 17E—03	1.44E—01	1.29E+01	5.06E—01	4.61E—04	7.22E+01
160	2.91E—03	1 55E+01	1.23E+01	4 65E—01	4.61E—04	7.17E+01
170	3.83E—03	1.66E+01	1.17E+01	4.23E—01	4.82E—04	7.12E+01
180	4.91E—03	1.77E+01	1.12E+01	3.83E—01	5.29E—04	7.07E+01
190	6.19E—03	1 87E+01	1.07E+01	3.45E—01	6.01E—04	7.02E+01
200	7.69E—03	1.98E+01	1.03E+01	3.11E—01	7.01E—04	6.96E+01
210	9.40E—03	2.10E+01	9.85E+00	2.79E—01	8.30E—04	6 89E+01
220	1.14E—02	2.22E+01	9.43E+00	2.51E—01	9.92E—04	6.81E+01
230	1.38E—02	2.35E+01	9 02E+00	2.26E—01	1.19E—03	6.72E+01
240	1.64E—02	2.49E+01	8.62E+00	2.04E—01	1 44E—03	6 63E+01
250	1.95E—02	2.63E+01	8.23E+00	1.84E—01	1.72E—03	6.52E+01
260	2.31E—02	2.79E+01	7.85E+00	1.65E—01	2 06E—03	6.41E+01
270	2.71E—02	2.95E+01	7 48E+00	1 48E—01	2.47E—03	6.29E+01
280	3.17E—02	3.11E+01	7 12E+00	1.33E—01	2.94E—03	6.16E+01
290	3.69E—02	3.29E+01	6.76E+00	1 19E—01	3.49E—03	6 02E+01
300	4.29E—02	3.46E+01	6.42E+00	1.07E—01	4 13E—03	5.88E+01

Продолжение табл. 14

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	5.01E—02	3.57E+01	6.15E+00	9.70E—02	4.93E—03	5.80E+01
320	5.77E—02	3.77E+01	5.81E+00	8.66E—02	5.79E—03	5.63E+01
330	6.62E—02	3.98E+01	5.48E+00	7.73E—02	6.77E—03	5.46E+01
340	7.57E—02	4.18E+01	5.16E+00	6.89E—02	7.91E—03	5.29E+01
350	8.63E—02	4.39E+01	4.85E+00	6.13E—02	9.21E—03	5.11E+01
360	9.82E—02	4.60E+01	4.56E+00	5.45E—02	1.07E—02	4.93E+01
370	1.11E—01	4.80E+01	4.27E+00	4.84E—02	1.24E—02	4.75E+01
380	1.26E—01	5.01E+01	4.00E+00	4.30E—02	1.43E—02	4.57E+01
390	1.42E—01	5.22E+01	3.74E+00	3.81E—02	1.65E—02	4.39E+01
400	1.60E—01	5.42E+01	3.49E+00	3.37E—02	1.89E—02	4.21E+01
410	1.80E—01	5.62E+01	3.26E+00	2.98E—02	2.17E—02	4.03E+01
420	2.02E—01	5.82E+01	3.03E+00	2.63E—02	2.48E—02	3.85E+01
430	2.26E—01	6.01E+01	2.82E+00	2.32E—02	2.83E—02	3.68E+01
440	2.53E—01	6.20E+01	2.62E+00	2.04E—02	3.23E—02	3.50E+01
450	2.81E—01	6.39E+01	2.43E+00	1.80E—02	3.67E—02	3.33E+01
460	3.13E—01	6.57E+01	2.25E+00	1.58E—02	4.16E—02	3.17E+01
470	3.48E—01	6.74E+01	2.08E+00	1.38E—02	4.71E—02	3.01E+01
480	3.85E—01	6.91E+01	1.92E+00	1.21E—02	5.32E—02	2.85E+01
490	4.26E—01	7.07E+01	1.77E+00	1.06E—02	6.01E—02	2.70E+01
500	4.71E—01	7.23E+01	1.63E+00	9.31E—03	6.76E—02	2.55E+01
510	5.19E—01	7.38E+01	1.50E+00	8.14E—03	7.60E—02	2.41E+01
520	5.71E—01	7.52E+01	1.38E+00	7.11E—03	8.53E—02	2.28E+01
530	6.28E—01	7.65E+01	1.27E+00	6.21E—03	9.56E—02	2.15E+01
540	6.89E—01	7.78E+01	1.16E+00	5.42E—03	1.07E—01	2.02E+01
550	7.56E—01	7.90E+01	1.07E+00	4.72E—03	1.20E—01	1.90E+01
560	8.27E—01	8.02E+01	9.79E—01	4.11E—03	1.33E—01	1.79E+01
570	9.05E—01	8.12E+01	8.97E—01	3.58E—03	1.49E—01	1.68E+01
580	9.88E—01	8.23E+01	8.21E—01	3.12E—03	1.65E—01	1.58E+01
590	1.08E+00	8.32E+01	7.51E—01	2.71E—03	1.84E—01	1.48E+01
600	1.17E+00	8.41E+01	6.86E—01	2.36E—03	2.04E—01	1.39E+01
610	1.28E+00	8.49E+01	6.27E—01	2.05E—03	2.26E—01	1.30E+01
620	1.39E+00	8.56E+01	5.73E—01	1.78E—03	2.51E—01	1.22E+01
630	1.51E+00	8.63E+01	5.23E—01	1.54E—03	2.77E—01	1.14E+01
640	1.64E+00	8.69E+01	4.77E—01	1.34E—03	3.07E—01	1.06E+01
650	1.77E+00	8.75E+01	4.35E—01	1.16E—03	3.39E—01	9.94E+00
660	1.92E+00	8.80E+01	3.96E—01	1.01E—03	3.74E—01	9.28E+00
670	2.08E+00	8.85E+01	3.61E—01	8.76E—04	4.12E—01	8.67E+00
680	2.25E+00	8.89E+01	3.29E—01	7.59E—04	4.53E—01	8.09E+00
690	2.43E+00	8.92E+01	2.99E—01	6.58E—04	4.99E—01	7.55E+00
700	2.62E+00	8.95E+01	2.72E—01	5.71E—04	5.48E—01	7.04E+00
710	2.83E+00	8.98E+01	2.48E—01	4.95E—04	6.02E—01	6.56E+00
720	3.05E+00	9.00E+01	2.25E—01	4.29E—04	6.61E—01	6.11E+00
730	3.28E+00	9.01E+01	2.05E—01	3.71E—04	7.25E—01	5.70E+00
740	3.53E+00	9.02E+01	1.86E—01	3.22E—04	7.94E—01	5.30E+00
750	3.80E+00	9.02E+01	1.69E—01	2.79E—04	8.69E—01	4.94E+00
760	4.08E+00	9.02E+01	1.54E—01	2.41E—04	9.51E—01	4.60E+00
770	4.38E+00	9.02E+01	1.40E—01	2.09E—04	1.04E+00	4.27E+00
780	4.70E+00	9.01E+01	1.27E—01	1.81E—04	1.14E+00	3.98E+00
790	5.04E+00	8.99E+01	1.15E—01	1.57E—04	1.24E+00	3.70E+00
800	5.39E+00	8.97E+01	1.05E—01	1.36E—04	1.35E+00	3.43E+00

Таблица 15

Широтные вариации состава при высокой солнечной активности для зимнего периода в северном и летнего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—1; LAT—0, LON 45; LT—12; *F*—200, *FΔV*—200; *Ap*—100; UT1—9					
80	5 54E—04	1.30E—03	2.08E+01	9.16E—01	1.39E—05	7.83E+01
90	6.16E—04	3.34E—01	2.02E+01	8.91E—01	8.33E—05	7.86E+01
100	9.55E 04	3.75E+00	1.78E+01	7.71E—01	1.18E—04	7.77E+01
110	2 46E—03	1.16E+01	1.28E+01	5.16E—01	2.52E—04	7.51E+01
120	5.09E—03	1 98E+01	8.49E+00	3.47E—01	3 41E—04	7 13E+01
130	9.17E 03	2.57E+01	6.34E+00	2.59E—01	3.27E—04	6.77E+01
140	1.54E—02	3.04E+01	5.28E+00	1.99E 01	2.96E—04	6.41E+01
150	2.28E—02	3.46E+01	4.62E+00	1.56E—01	2 76E—04	6.06E+01
160	3.17E 02	3.86E+01	4.10E+00	1.24E—01	2.73E—04	5.71E+01
170	4.22E—02	4 24E+01	3.67E+00	9.98E—02	2.86E—04	5.37E+01
180	5.44E—02	4 60E+01	3.29E+00	8.13E—02	3.13E—04	5.05E+01
190	6 90E—02	4.95E+01	2.95E+00	6.66E—02	3.58E—04	4 74E+01
200	8.51E—02	5 28E+01	2.65E+00	5.50E 02	4.16E—04	4.44E+01
210	1.03E—01	5.58E+01	2 39E+00	4.57E—02	4 88E—04	4.16E+01
220	1.23E—01	5.87E+01	2.15E+00	3.81E—02	5.77E—04	3.90E+01
230	1.46E—01	6.14E+01	1 94E+00	3.19E—02	6.82E—04	3.64E+01
240	1.70E—01	6.40E+01	1 75E+00	2.68E—02	8 04E—04	3.40E+01
250	1.98E—01	6.64E+01	1.58E+00	2.26E—02	9.46E—04	3.18E+01
260	2.27E—01	6.87E+01	1 42E+00	1.90E—02	1.11E—03	2.97E+01
270	2.60E—01	7 08E+01	1.28E+00	1.60E—02	1.29E—03	2.76E+01
280	2.96E—01	7.28E+01	1 16E+00	1.35E—02	1.50E 03	2.57E+01
290	3.34E—01	7.46E+01	1.04E+00	1.15E—02	1 74E—03	2.40E+01
300	3.77E—01	7.64E+01	9.39E 01	9.69E—03	2.00E—03	2.23E+01
310	4.22E—01	7.80E+01	8.44E—01	8.18E—03	2.29E—03	2.07E+01
320	4.73E—01	7.96E+01	7.60E—01	6 92E—03	2.63E—03	1.92E+01
330	5.28E—01	8.10E+01	6 83E—01	5.85E—03	3.00E—03	1.78E+01
340	5.89E—01	8.23E—01	6.14E—01	4 94E—03	3 43E—03	1.65E+01
350	6.56E—01	8.35E+01	5.51E 01	4 17E—03	3.90E 03	1.53E+01
360	7.29E—01	8.46E+01	4.94E—01	3.52E—03	4.44E—03	1.41E+01
370	8.09E—01	8 57E+01	4.43E 01	2 97E—03	5.04E—03	1 30E+01
380	8.97E—01	8.67E+01	3.97E 01	2 50E—03	5.71E—03	1.20E+01
390	9 92E—01	8.75E+01	3.55E—01	2.11E—03	6.46E—03	1.11E+01
400	1.08E+00	8.83E+01	3.21E—01	1.80E—03	7.18E—03	1 03E+01
410	1 19E+00	8.90E+01	2.87E—01	1.52E 03	8 10E 03	9.51E+00
420	1.31E+00	8.97E+01	2.57E—01	1 28E—03	9 13E—03	8.76E+00
430	1 45E+00	9.03E+01	2.29E—01	1.08E—03	1.03E—02	8.06E+00
440	1.59E+00	9 08E+01	2.05E—01	9.05E—04	1.16E 02	7.42E+00
450	1 75E+00	9.12E+01	1.83E 01	7.62E 04	1.30E—02	6.82E+00
460	1 92E+00	9 16E+01	1.63E—01	6.41E—04	1.46E—02	6.27E+00
470	2.10E+00	9.20E+01	1 45E—01	5.39E—04	1 63E—02	5.76E+00
480	2.30E+00	9.23E+01	1.30E—01	4.53E—04	1.83E—02	5 29E+00
490	2.52E+00	9.25E+01	1.16E—01	3.81E—04	2.05E—02	4.86E+00
500	2.76E+00	9.27E+01	1.03E—01	3 21E—04	2.29E—02	4.46E+00

Продолжение табл. 15

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	3.01E+00	9.28E+01	9.19E-02	2.70E-04	2.56E-02	4.09E+00
520	3.29E+00	9.28E+01	8.19E-02	2.27E-04	2.85E-02	3.75E+00
530	3.59E+00	9.29E+01	7.30E-02	1.91E-04	3.18E-02	3.44E+00
540	3.91E+00	9.28E+01	6.50E-02	1.60E-04	3.54E-02	3.16E+00
550	4.26E+00	9.28E+01	5.79E-02	1.35E-04	3.94E-02	2.89E+00
560	4.63E+00	9.26E+01	5.15E-02	1.13E-04	4.38E-02	2.65E+00
570	5.04E+00	9.24E+01	4.59E-02	9.53E-05	4.87E-02	2.43E+00
580	5.48E+00	9.22E+01	4.08E-02	8.01E-05	5.40E-02	2.22E+00
590	5.94E+00	9.19E+01	3.63E-02	6.73E-05	5.99E-02	2.04E+00
600	6.45E+00	9.16E+01	3.23E-02	5.66E-05	6.61E-02	1.86E+00
610	6.99E+00	9.12E+01	2.88E-02	4.76E-05	7.35E-02	1.70E+00
620	7.57E+00	9.08E+01	2.56E-02	4.00E-05	8.13E-02	1.56E+00
630	8.19E+00	9.03E+01	2.27E-02	3.36E-05	8.99E-02	1.43E+00
640	8.85E+00	8.97E+01	2.02E-02	2.82E-05	9.92E-02	1.30E+00
650	9.56E+00	8.91E+01	1.79E-02	2.37E-05	1.09E-01	1.19E+00
660	1.03E+01	8.85E+01	1.59E-02	1.99E-05	1.21E-01	1.09E+00
670	1.11E+01	8.77E+01	1.41E-02	1.67E-05	1.33E-01	9.91E-01
680	1.20E+01	8.70E+01	1.25E-02	1.40E-05	1.46E-01	9.04E-01
690	1.29E+01	8.61E+01	1.11E-02	1.18E-05	1.60E-01	8.24E-01
700	1.38E+01	8.52E+01	9.86E-03	9.88E-06	1.76E-01	7.51E-01
710	1.49E+01	8.42E+01	8.74E-03	8.29E-06	1.93E-01	6.84E-01
720	1.59E+01	8.32E+01	7.73E-03	6.95E-06	2.11E-01	6.22E-01
730	1.71E+01	8.21E+01	6.84E-03	5.82E-06	2.31E-01	5.66E-01
740	1.83E+01	8.10E+01	6.05E-03	4.87E-06	2.52E-01	5.14E-01
750	1.96E+01	7.97E+01	5.35E-03	4.08E-06	2.74E-01	4.67E-01
760	2.08E+01	7.84E+01	4.72E-03	3.41E-06	2.99E-01	4.23E-01
770	2.22E+01	7.71E+01	4.16E-03	2.85E-06	3.25E-01	3.84E-01
780	2.36E+01	7.57E+01	3.67E-03	2.38E-06	3.53E-01	3.47E-01
790	2.51E+01	7.42E+01	3.23E-03	1.99E-06	3.83E-01	3.14E-01
800	2.66E+01	7.27E+01	2.84E-03	1.66E-06	4.14E-01	2.84E-01

D—1; LAT 40; LON—45, LT—12; *F*—200; *FΔV*—200; *Ap*—100; UT1—9

80	5.42E-04	1.44E-03	2.08E+01	8.57E-01	1.38E-05	7.83E+01
90	6.06E-04	3.75E-01	2.03E+01	7.93E-01	8.46E-05	7.85E+01
100	9.50E-04	4.29E+00	1.79E+01	6.32E-01	1.28E-04	7.71E+01
110	2.10E-03	1.25E+01	1.33E+01	4.02E-01	2.30E-04	7.37E+01
120	3.73E-03	1.95E+01	9.65E+00	2.75E-01	2.36E-04	7.06E+01
130	9.10E-03	2.53E+01	7.43E+00	1.85E-01	2.29E-04	6.71E+01
140	1.81E-02	3.00E+01	6.29E+00	1.31E-01	2.05E-04	6.36E+01
150	2.68E-02	3.43E+01	5.53E+00	9.59E-02	1.88E-04	6.01E+01
160	3.68E-02	3.86E+01	4.91E+00	7.22E-02	1.86E-04	5.61E+01
170	4.92E-02	4.29E+01	4.34E+00	5.54E-02	1.98E-04	5.27E+01
180	6.44E-02	4.71E+01	3.83E+00	4.32E-02	2.22E-04	4.89E+01
190	8.29E-02	5.13E+01	3.37E+00	3.39E-02	2.60E-04	4.52E+01
200	1.05E-01	5.52E+01	2.96E+00	2.69E-02	3.11E-04	4.17E+01

Продолжение табл. 15

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.29E 01	5.89E+01	2.60E+00	2.14E -02	3.76E—04	3.83E+01
220	1.58E—01	6.24E+01	2.28E+00	1.71E—02	4.57E—04	3.51E+01
230	1.91E—01	6.56E+01	2.00E+00	1.38E—02	5.54E—04	3.22E+01
240	2.27E—01	6.85E+01	1.76E+00	1.11E—02	6.69E—04	2.95E+01
250	2.68E—01	7.12E+01	1.55E+00	9.03E--03	8.03E- 04	2.70E+01
260	3.12E—01	7.37E+01	1.36E+00	7.33E—03	9.59E—04	2.47E+01
270	3.62E—01	7.59E+01	1.19E+00	5.97E—03	1.14E -03	2.25E+01
280	4.16E—01	7.79E+01	1.05E+00	4.88E—03	1.34E—03	2.06E+01
290	4.76E—01	7.98E+01	9.26E—01	3.99E -03	1.57E- 03	1.88E+01
300	5.41E—01	8.14E+01	8.17E—01	3.27E—03	1.84E—03	1.72E+01
310	6.08E—01	8.31E+01	7.13E -01	2.66E—03	2.11E—03	1.56E+01
320	6.88E—01	8.45E+01	6.28E—01	2.18E- -03	2.46E- -03	1.42E+01
330	7.76E—01	8.57E+01	5.54E—01	1.79E- -03	2.85E—03	1.30E+01
340	8.75E—01	8.68E+01	4.87E- 01	1.47E—03	3.29E—03	1.18E+01
350	9.84E—01	8.78E+01	1.28E---01	1.21F -03	3.80E -03	1.08E+01
360	1.10E+00	8.87E+01	3.77E—01	9.89E—04	4.38E—03	9.80E+00
370	1.24E+00	8.95E+01	3.31E—01	8.10E—04	5.03E -03	8.91E+00
380	1.38E+00	9.02E+01	2.90E- 01	6.64E—01	5.78E- 03	8.10E+00
390	1.54E+00	9.08E+01	2.55E 01	5.41E 04	6.62E—03	7.36E+00
400	1.72E+00	9.14E+01	2.24E—01	4.47E 0-	7.54E -03	6.69E+00
410	1.91E+00	9.18E+01	1.96E—01	3.66E—04	8.61E—03	6.07E+00
420	2.12E+00	9.22E+01	1.72E—01	3.00E—04	9.82E—03	5.50E+00
430	2.36E—00	9.25E+01	1.51E -01	2.45E—04	1.12E—02	4.99E+00
440	2.62E+00	9.27E+01	1.32E—01	2.01E—04	1.27E—02	4.52E+00
450	2.90E+00	9.29E+01	1.16E—01	1.64E—04	1.45E- 02	4.09E+00
460	3.21E+00	9.30E+01	1.01E 01	1.35E—04	1.64E—02	3.70E+00
470	3.55E+00	9.30E+01	8.85E—02	1.10E—04	1.86E 02	3.35E+00
480	3.93E+00	9.29E+01	7.74E—02	9.01E—05	2.11E- 02	3.03E+00
490	4.33E+00	9.28E+01	6.77E -02	7.37E 05	2.39E—02	2.74E+00
500	4.78E+00	9.27E+01	5.92E—02	6.03E—05	2.70E- 02	2.47E+00
510	5.26E+00	9.24E+01	5.17E—02	4.93E 05	3.05E—02	2.23E+00
520	5.79E+00	9.21E+01	4.52E—02	4.03E—05	3.44E- 02	2.02E+00
530	6.36E+00	9.17E+01	3.94E- 02	3.30E—05	3.88E—02	1.82E+00
540	6.99E+00	9.13E+01	3.44E—02	2.69E 05	4.36E -02	1.64E+00
550	7.66E+00	9.08E+01	3.00E—02	2.20E—05	4.90E- 02	1.48E+00
560	8.40E+00	9.02E+01	2.62E- -02	1.80E—05	5.50E—02	1.33E+00
570	9.19E+00	8.95E+01	2.28E—02	1.47E- 05	6.17E- 02	1.20E+00
580	1.00E+01	8.88E+01	1.99E—02	1.20E—05	6.91E 02	1.08E+00
590	1.10E+01	8.80E+01	1.73E—02	9.79E 06	7.73E—02	9.71E—01
600	1.20E+01	8.71E+01	1.51E—02	7.99E— 06	8.63E -02	8.73E—01
610	1.30E+01	8.61E+01	1.31E—02	6.51E 06	9.63E—02	7.84E—01
620	1.41E+01	8.50E+01	1.14E—02	5.31E—06	1.07E- 01	7.03E -01
630	1.54E+01	8.39E+01	9.88E- 03	4.32E 06	1.19E—01	6.30E - 01
640	1.67E+01	8.26E+01	8.57E—03	3.52E 06	1.32E -01	5.64E—01
650	1.80E+01	8.13E+01	7.43E- 03	2.86E—06	1.47E—01	5.05E 01
660	1.95E+01	7.99E+01	6.43E—03	2.33E 06	1.62E—01	4.51E- 01
670	2.10E+01	7.84E+01	5.56E -03	1.89E -06	1.79E—01	4.03E -01
680	2.26E+01	7.68E+01	4.80E—03	1.53E—06	1.98E—01	3.59E—01
690	2.43E+01	7.51E+01	4.14E -03	1.24E—06	2.18E—01	3.20E—01
700	2.61E+01	7.34E+01	3.57E- 03	1.00E—06	2.39E—01	2.84E—01

Продолжение табл. 15

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2 S, %
710	2.79E+01	7.16E+01	3.07E−03	8.12E−07	2.62E−01	2.52E−01
720	2.98E+01	6.96E+01	2.61E−03	6.56E−07	2.87E−01	2.24E−01
730	3.18E+01	6.77E+01	2.27E−03	5.29E−07	3.13E−01	1.98E−01
740	3.39E+01	6.56E+01	1.94E−03	4.26E−07	3.41E−01	1.75E−01
750	3.60E+01	6.35E+01	1.66E−03	3.42E−07	3.70E−01	1.54E−01
760	3.81E+01	6.14E+01	1.42E−03	2.75E−07	4.01E−01	1.36E−01
770	4.03E+01	5.92E+01	1.21E−03	2.21E−07	4.34E−01	1.20E−01
780	4.25E+01	5.69E+01	1.03E−03	1.77E−07	4.69E−01	1.05E−01
790	4.47E+01	5.47E+01	8.76E−04	1.41E−07	5.05E−01	9.20E−02
800	4.70E+01	5.24E+01	7.43E−04	1.13E−07	5.42E−01	8.05E−02
	D—1; LAT—80; LON—45; LT—12; *F*—200, *FΔV*—200; *Ap* —100; UT1—9					
80	5.38E−04	1.15E−03	2.09E+01	9.67E−01	1.23E−05	7.82E+01
90	5.87E−04	2.90E−01	2.06E+01	9.67E−01	7.13E−05	7.82E+01
100	9.45E−04	3.26E+00	1.89E+01	8.58E−01	1.13E−04	7.70E+01
110	2.16E−03	8.87E+00	1.60E+01	6.85E−01	1.93E−04	7.44E+01
120	4.24E−03	1.38E+01	1.34E+01	5.62E−01	2.13E−04	7.22E+01
130	7.98E−03	1.76E+01	1.17E+01	4.78E−01	1.97E−04	7.02E+01
140	1.30E−02	2.06E+01	1.06E+01	4.16E−01	1.67E−04	6.84E+01
150	1.86E−02	2.33E+01	9.72E+00	3.63E−01	1.43E−04	6.66E+01
160	2.51E−02	2.59E+01	9.02E+00	3.17E−01	1.30E−04	6.48E+01
170	3.29E−02	2.83E+01	8.39E+00	2.75E−01	1.27E−04	6.30E+01
180	4.20E−02	3.08E+01	7.81E+00	2.39E−01	1.32E−04	6.11E+01
190	5.26E−02	3.33E+01	7.27E+00	2.07E−01	1.45E−04	5.92E+01
200	6.50E−02	3.58E+01	6.76E+00	1.79E−01	1.65E−04	5.72E+01
210	7.91E−02	3.83E+01	6.29E+00	1.55E−01	1.92E−04	5.52E+01
220	9.56E−02	4.08E+01	5.84E+00	1.34E−01	2.27E−04	5.31E+01
230	1.15E−01	4.34E+01	5.41E+00	1.15E−01	2.70E−04	5.10E+01
240	1.36E−01	4.59E+01	5.00E+00	9.96E−02	3.23E−04	4.88E+01
250	1.61E−01	4.85E+01	4.62E+00	8.61E−02	3.86E−04	4.67E+01
260	1.89E−01	5.10E+01	4.26E+00	7.41E−02	4.61E−04	4.45E+01
270	2.21E−01	5.35E+01	3.91E+00	6.37E−02	5.49E−04	4.23E+01
280	2.57E−01	5.59E+01	3.59E+00	5.46E−02	6.51E−04	4.02E+01
290	2.97E−01	5.84E+01	3.29E+00	4.68E−02	7.70E−04	3.80E+01
300	3.42E−01	6.07E+01	3.01E+00	4.01E−02	9.08E−04	3.59E+01
310	3.95E−01	6.28E+01	2.75E+00	3.44E−02	1.07E−03	3.40E+01
320	4.51E−01	6.51E+01	2.51E+00	2.93E−02	1.25E−03	3.19E+01
330	5.14E−01	6.72E+01	2.28E+00	2.50E−02	1.46E−03	3.00E+01
340	5.83E−01	6.93E+01	2.06E+00	2.12E−02	1.70E−03	2.80E+01
350	6.61E−01	7.13E+01	1.87E+00	1.80E−02	1.97E−03	2.62E+01
360	7.46E−01	7.31E+01	1.69E+00	1.53E−02	2.28E−03	2.44E+01
370	8.41E−01	7.49E+01	1.52E+00	1.29E−02	2.63E−03	2.28E+01
380	9.45E−01	7.65E+01	1.37E+00	1.09E−02	3.03E−03	2.12E+01
390	1.06E+00	7.81E+01	1.23E+00	9.24E−03	3.48E−03	1.96E+01
400	1.19E+00	7.95E+01	1.11E+00	7.80E−03	3.99E−03	1.82E+01

Продолжение табл. 15

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S %
410	1.32E+00	8.08E+01	9.94E−01	6.58E−03	4.56E−03	1.69E+01
420	1.48E+00	8.20E+01	8.91E−01	5.54E−03	5.20E−03	1.56E+01
430	1.64E+00	8.32E+01	7.98E−01	4.66E−03	5.92E−03	1.44E+01
440	1.82E+00	8.42E+01	7.14E−01	3.92E−03	6.73E−03	1.33E+01
450	2.02E+00	8.51E+01	6.38E−01	3.29E−03	7.64E−03	1.22E+01
460	2.24E+00	8.59E+01	5.70E−01	2.77E−03	8.65E−03	1.13E+01
470	2.47E+00	8.66E+01	5.08E−01	2.32E−03	9.79E−03	1.04E+01
480	2.73E+00	8.73E+01	4.53E−01	1.95E−03	1.11E−02	9.53E+00
490	3.01E+00	8.78E+01	4.04E−01	1.63E−03	1.25E−02	8.76E+00
500	3.32E+00	8.83E+01	3.59E−01	1.37E−03	1.40E−02	8.04E+00
510	3.65E+00	8.86E+01	3.20E−01	1.15E−03	1.58E−02	7.37E+00
520	4.00E+00	8.89E+01	2.81E−01	9.60E−04	1.77E−02	6.76E+00
530	4.39E+00	8.91E+01	2.53E−01	8.03E−04	1.99E−02	6.19E+00
540	4.81E+00	8.93E+01	2.25E−01	6.72E−04	2.23E−02	5.66E+00
550	5.27E+00	8.93E+01	1.99E−01	5.62E−04	2.50E−02	5.18E+00
560	5.76E+00	8.93E+01	1.77E−01	4.70E−04	2.79E−02	4.74E+00
570	6.29E+00	8.92E+01	1.57E−01	3.93E−04	3.12E−02	4.33E+00
580	6.86E+00	8.90E+01	1.39E−01	3.28E−04	3.48E−02	3.95E+00
590	7.47E+00	8.87E+01	1.23E−01	2.74E−04	3.87E−02	3.61E+00
600	8.13E+00	8.81E+01	1.09E−01	2.29E−04	4.31E−02	3.29E+00
610	8.84E+00	8.80E+01	9.66E−02	1.91E−04	4.79E−02	3.00E+00
620	9.60E+00	8.75E+01	8.55E−02	1.59E−04	5.31E−02	2.73E+00
630	1.04E+01	8.70E+01	7.56E−02	1.33E−04	5.89E−02	2.49E+00
640	1.13E+01	8.63E+01	6.68E−02	1.11E−04	6.52E−02	2.26E+00
650	1.22E+01	8.56E+01	5.90E−02	9.23E−05	7.21E−02	2.06E+00
660	1.32E+01	8.48E+01	5.20E−02	7.69E−05	7.96E−02	1.87E+00
670	1.42E+01	8.39E+01	4.59E−02	6.40E−05	8.78E−02	1.69E+00
680	1.53E+01	8.30E+01	4.01E−02	5.32E−05	9.67E−02	1.54E+00
690	1.65E+01	8.20E+01	3.56E−02	4.43E−05	1.06E−01	1.39E+00
700	1.77E+01	8.09E+01	3.13E−02	3.68E−05	1.17E−01	1.26E+00
710	1.90E+01	7.97E+01	2.75E−02	3.05E−05	1.28E−01	1.14E+00
720	2.04E+01	7.81E+01	2.42E−02	2.53E−05	1.40E−01	1.03E+00
730	2.18E+01	7.71E+01	2.12E−02	2.10E−05	1.53E−01	9.30E−01
740	2.33E+01	7.56E+01	1.86E−02	1.74E−05	1.67E−01	8.39E−01
750	2.49E+01	7.42E+01	1.63E−02	1.44E−05	1.82E−01	7.55E−01
760	2.65E+01	7.26E+01	1.42E−02	1.19E−05	1.98E−01	6.80E−01
770	2.82E+01	7.10E+01	1.24E−02	9.83E−06	2.15E−01	6.11E−01
780	2.99E+01	6.93E+01	1.09E−02	8.12E−06	2.33E−01	5.48E−01
790	3.17E+01	6.75E+01	9.47E−03	6.69E−06	2.53E−01	4.91E−01
800	3.36E+01	6.57E+01	8.25E−03	5.51E−06	2.73E−01	4.40E−01

D 1; LAT 40, LON—15; LT—12; *F*—200; *FAV*—200; *Ap* 100; UT1—9

80	5.43E−04	1.13E−03	2.08E+01	1.00E+00	1.28E−05	7.82E+01
90	6.08E−04	2.84E−01	2.03E+01	1.03E+00	7.55E−05	7.83E+01
100	9.49E−04	3.15E+00	1.81E+01	9.65E−01	1.08E−04	7.75E+01

Продолжение табл. 15

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.17E−03	9.23E+00	1.43E+01	7.62E−01	2.03E−04	7.57E+01
120	3.78E−03	1.56E+01	1.05E+01	6.10E−01	2.65E−04	7.33E+01
130	3.97E−03	1.97E+01	8.54E+00	5.48E−01	2.39E−04	7.12E+01
140	4.63E−03	2.29E+01	7.50E+00	5.01E−01	2.05E−04	6.91E+01
150	6.31E−03	2.57E+01	6.82E+00	4.53E−01	1.82E−04	6.70E+01
160	8.56E−03	2.83E+01	6.29E+00	4.04E−01	1.73E−04	6.50E+01
170	1.13E−02	3.08E+01	5.83E+00	3.57E−01	1.75E−04	6.30E+01
180	1.44E−02	3.33E+01	5.42E+00	3.13E−01	1.87E−04	6.10E+01
190	1.81E−02	3.57E+01	5.04E+00	2.73E−01	2.10E−04	5.89E+01
200	2.23E−02	3.81E+01	4.70E+00	2.39E−01	2.41E−04	5.70E+01
210	2.69E−02	4.04E+01	4.39E+00	2.09E−01	2.80E−04	5.50E+01
220	3.21E−02	4.26E+01	4.10E+00	1.83E−01	3.28E−04	5.31E+01
230	3.79E−02	4.49E+01	3.82E+00	1.61E−01	3.85E−04	5.11E+01
240	4.43E−02	4.70E+01	3.57E+00	1.41E−01	4.52E−04	4.92E+01
250	5.13E−02	4.92E+01	3.33E+00	1.24E−01	5.29E−04	4.73E+01
260	5.91E−02	5.13E+01	3.11E+00	1.10E−01	6.17E−04	4.54E+01
270	6.75E−02	5.34E+01	2.90E+00	9.65E−02	7.17E−04	4.36E+01
280	7.68E−02	5.54E+01	2.70E+00	8.50E−02	8.29E−04	4.17E+01
290	8.68E−02	5.74E+01	2.51E+00	7.49E−02	9.55E−04	3.99E+01
300	9.77E−02	5.93E+01	2.34E+00	6.60E−02	1.09E−03	3.82E+01
310	1.10E−01	6.10E+01	2.18E+00	5.85E−02	1.26E−03	3.66E+01
320	1.23E−01	6.29E+01	2.03E+00	5.15E−02	1.43E−03	3.49E+01
330	1.37E−01	6.47E+01	1.88E+00	4.53E−02	1.63E−03	3.32E+01
340	1.53E−01	6.65E+01	1.74E+00	3.97E−02	1.85E−03	3.15E+01
350	1.70E−01	6.83E+01	1.61E+00	3.49E−02	2.09E−03	2.99E+01
360	1.88E−01	6.99E+01	1.48E+00	3.06E−02	2.36E−03	2.84E+01
370	2.08E−01	7.15E+01	1.37E+00	2.68E−02	2.67E−03	2.68E+01
380	2.30E−01	7.31E+01	1.26E+00	2.35E−02	3.00E−03	2.54E+01
390	2.53E−01	7.46E+01	1.16E+00	2.05E−02	3.37E−03	2.40E+01
400	2.78E−01	7.60E+01	1.07E+00	1.79E−02	3.78E−03	2.26E+01
410	3.06E−01	7.73E+01	9.83E−01	1.57E−02	1.24E−03	2.14E+01
420	3.36E−01	7.86E+01	9.03E−01	1.37E−02	4.74E−03	2.01E+01
430	3.68E−01	7.98E+01	8.28E−01	1.19E−02	5.29E−03	1.89E+01
440	4.03E−01	8.10E+01	7.60E−01	1.04E−02	5.90E−03	1.78E+01
450	4.40E−01	8.21E+01	6.97E−01	9.08E−03	6.57E−03	1.67E+01
460	4.81E−01	8.31E+01	6.38E−01	7.92E−03	7.31E−03	1.57E+01
470	5.24E−01	8.41E+01	5.85E−01	6.90E−03	8.12E−03	1.48E+01
480	5.71E−01	8.50E+01	5.35E−01	6.01E−03	9.02E−03	1.39E+01
490	6.21E−01	8.59E+01	4.89E−01	5.23E−03	9.99E−03	1.30E+01
500	6.75E−01	8.67E+01	4.48E−01	4.55E−03	1.11E−02	1.22E+01
510	7.33E−01	8.74E+01	4.09E−01	3.96E−03	1.22E−02	1.14E+01
520	7.96E−01	8.81E+01	3.74E−01	3.45E−03	1.35E−02	1.07E+01
530	8.62E−01	8.88E+01	3.42E−01	3.00E−03	1.49E−02	1.00E+01
540	9.34E−01	8.94E+01	3.12E−01	2.61E−03	1.65E−02	9.36E+00
550	1.01E+00	8.99E+01	2.85E−01	2.27E−03	1.82E−02	8.76E+00
560	1.09E+00	9.04E+01	2.60E−01	1.97E−03	2.00E−02	8.19E+00
570	1.18E+00	9.09E+01	2.37E−01	1.72E−03	2.20E−02	7.66E+00
580	1.28E+00	9.13E+01	2.16E−01	1.49E−03	2.42E−02	7.16E+00
590	1.38E+00	9.17E+01	1.97E−01	1.30E−03	2.66E−02	6.69E+00
600	1.49E+00	9.21E+01	1.80E−01	1.13E−03	2.92E−02	6.25E+00

Продолжение табл. 15

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	1.60E+00	9.24E+01	1.64E−01	9.81E−04	3.20E−02	5.84E+00
620	1.72E+00	9.26E+01	1.50E−01	8.53E−04	3.51E−02	5.45E+00
630	1.86E+00	9.29E+01	1.37E−01	7.41E−04	3.85E−02	5.09E+00
640	2.00E+00	9.31E+01	1.25E−01	6.45E−04	4.22E−02	4.75E+00
650	2.15E+00	9.33E+01	1.14E−01	5.61E−04	4.62E−02	4.43E+00
660	2.31E+00	9.34E+01	1.03E−01	4.88E−04	5.05E−02	4.14E+00
670	2.48E+00	9.35E+01	9.43E−02	4.24E−04	5.52E−02	3.86E+00
680	2.66E+00	9.36E+01	8.60E−02	3.69E−04	5.03E−02	3.60E+00
690	2.86E+00	9.36E+01	7.84E−02	3.21E−04	6.59E−02	3.36E+00
700	3.06E+00	9.37E+01	7.14E−02	2.79E−04	7.19E−02	3.14E+00
710	3.28E+00	9.36E+01	6.51E−02	2.43E−04	7.84E−02	2.92E+00
720	3.52E+00	9.36E+01	5.93E−02	2.11E−04	8.55E−02	2.73E+00
730	3.77E+00	9.35E+01	5.40E−02	1.84E−04	9.31E−02	2.54E+00
740	4.03E+00	9.34E+01	4.92E−02	1.60E−04	1.01E−01	2.37E+00
750	4.31E+00	9.33E+01	4.49E−02	1.39E−04	1.10E−01	2.21E+00
760	4.61E+00	9.32E+01	4.09E−02	1.21E−04	1.20E−01	2.06E+00
770	4.93E+00	9.30E+01	3.72E−02	1.06E−04	1.31E−01	1.92E+00
780	5.27E+00	9.28E+01	3.39E−02	9.19E−05	1.42E−01	1.79E+00
790	5.62E+00	9.25E+01	3.09E−02	8.00E−05	1.54E−01	1.67E+00
800	6.00E+00	9.23E+01	2.82E−02	6.96E−05	1.67E−01	1.55E+00
D 1; LAT——80; ION—45; LT—12; *F*—200; *FAV*—200; *Ap*—100; UT1—9						
80	5.47E−04	8.89E−04	2.09E+01	9.92E−01	1.39E−05	7.81E+01
90	6.00E−04	2.16E−01	2.06E+01	1.01E+00	8.31E−05	7.81E+01
100	9.45E−04	2.33E+00	1.94E+01	9.37E−01	1.28E−04	7.74E+01
110	2.19E−03	6.35E+00	1.70E+01	7.68E−01	2.47E−04	7.59E+01
120	3.54E−03	9.91E+00	1.49E+01	6.52E−01	3.28E−04	7.45E+01
130	2.57E−03	1.23E+01	1.35E+01	5.90E−01	3.31E−04	7.36E+01
140	2.20E−03	1.39E+01	1.26E+01	5.50E−01	2.96E−04	7.29E+01
150	2.78E−03	1.52E+01	1.19E+01	5.12E−01	2.64E−04	7.24E+01
160	3.68E−03	1.64E+01	1.13E+01	4.74E−01	2.46E−04	7.18E+01
170	4.75E−03	1.74E+01	1.08E+01	4.35E−01	2.44E−04	7.13E+01
180	6.00E−03	1.84E+01	1.04E+01	3.97E−01	2.56E−04	7.08E+01
190	7.44E−03	1.94E+01	9.97E+00	3.61E−01	2.80E−04	7.02E+01
200	9.09E−03	2.05E+01	9.58E+00	3.27E−01	3.17E−04	6.96E+01
210	1.09E−02	2.16E+01	9.21E+00	2.97E−01	3.65E−04	6.89E+01
220	1.31E−02	2.27E+01	8.85E+00	2.70E−01	4.26E−04	6.82E+01
230	1.55E−02	2.39E+01	8.49E+00	2.45E−01	5.01E−04	6.73E+01
240	1.82E−02	2.51E+01	8.15E+00	2.23E−01	5.91E−04	6.65E+01
250	2.14E−02	2.65E+01	7.81E+00	2.03E−01	6.96E−04	6.55E+01
260	2.48E−02	2.78E+01	7.49E+00	1.84E−01	8.20E−04	6.45E+01
270	2.88E−02	2.93E+01	7.16E+00	1.67E−01	9.63E−04	6.34E+01
280	3.32E−02	3.08E+01	6.85E+00	1.52E−01	1.13E−03	6.22E+01
290	3.81E−02	3.23E+01	6.54E+00	1.38E−01	1.32E−03	6.10E+01
300	4.36E−02	3.39E+01	6.24E+00	1.25E−01	1.54E−03	5.97E+01

Продолжение табл. 15

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2 S, %
310	5.03E—02	3 49E+01	6.01E+00	1.14E—01	1 80E—03	5.90E+01
320	5.71E—02	3.66E+01	5.72E+00	1 03E—01	2.08E—03	5.75E+01
330	6.47E—02	3 85E+01	5.43E+00	9 33E—02	2 40E—03	5 60E+01
340	7.31E—02	4.03E+01	5.15E—00	8.42E—02	2.77E—03	5.44E+01
350	8.24E—02	4.21E+01	4.88E+00	7.60E—02	3.17E—03	5 28E+01
360	9.26E—02	4.40E+01	4.62E+00	6.85E—02	3.64E—03	5.13E+01
370	1.01E—01	4,58E+01	4.37E+00	6.17E—02	4.15E—03	4.97E+01
380	1.16E—01	4.77E+01	4.12E+00	5.55E—02	4.74E—03	4.80E+01
390	1.30E—01	4.95E+01	3.89E+00	4 99E—02	5.39E—03	4.64E+01
400	1 45E—01	5 13E+01	3.67E+00	4.48E—02	6.12E—03	4.48E+01
410	1.61E—01	5.32E+01	3.45E+00	4.02E—02	6.93E—03	4.32E+01
420	1.79E—01	5.50E+01	3.24E+00	3.60E—02	7 84E—03	4.16E+01
430	1.99E—01	5.67E+01	3.05E+00	3 23E—02	8.85E—03	4.00E+01
440	2 20E—01	5.85E+01	2.86E+00	2.89E—02	9.97E—03	3.84E+01
450	2.43E—01	6.02E+01	2 68E+00	2.58E—02	1.12E—02	3.68E+01
460	2.68E—01	6.19E+01	2.51E+00	2 31E—02	1.26E—02	3 53E+01
470	2.95E—01	6.35E+01	2.34E+00	2.06E—02	1.41E—02	3.38E+01
480	3.25E—01	6.52E+01	2.19E+00	1.83E—02	1.58E—02	3.23E+01
490	3.56E—01	6.67E+01	2.04E+00	1.63E—02	1.76E—02	3.08E+01
500	3.91E—01	6.82E+01	1.90E+00	1.45E—02	1.97E—02	2.94E+01
510	4.28E—01	6.97E+01	1.77E+00	1.29E—02	2.19E—02	2.81E+01
520	4.68E—01	7.11E+01	1.65E+00	1 15E—02	2 44E—02	2.67E+01
530	5 11E—01	7 25E+01	1.54E+00	1.02E—02	2.71E—02	2.51E+01
540	5.57E—01	7.38E+01	1.43E+00	9.07E—03	3 00E—02	2.42E+01
550	6 06E—01	7.51E+01	1.32E+00	8 05E—03	3.33E—02	2.30E+01
560	6.60E—01	7.63E+01	1.23E+00	7.14E—03	3.68E—02	2.18E—01
570	7.17E—01	7.74E+01	1.14E+00	6.33E—03	4 07E—02	2.07E+01
580	7 78E—01	7.85E+01	1.06E+00	5 60E—03	4.49E—02	1.96E+01
590	8.43E—01	7.96E+01	9.78E—01	4.96E—03	4,95E—02	1.86E—01
600	9.13E—01	8.06E+01	9.05E—01	4.39E—03	5.45E—02	1.76E+01
610	9.88E—01	8.15E+01	8.38E—01	3.88E—03	6.00E—02	1.66E+01
620	1.07E+00	8.24E+01	7.74E—01	3.43E—03	6.59E—02	1.57E+01
630	1.15E+00	8.32E+01	7.16E—01	3.04E—03	7.24E—02	1.48E+01
640	1.24E+00	8.40E+01	6.61E—01	2.68E—03	7.94E—02	1.40E+01
650	1.34E+00	8.47E+01	6.10E—01	2.37E—03	8.70E—02	1 32E+01
660	1.44E+00	8.54E+01	5.63E—01	2.09E—03	9.52E—02	1.25E+01
670	1.55E+00	8.60E+01	5.20E—01	1.85E—03	1.04E—01	1.18E+01
680	1 67E+00	8.66E+01	4.80E—01	1.63E—03	1.14E—01	1.11E+01
690	1.79E+00	8.72E—01	4.42E—01	1.44E—03	1.24E—01	1.05E+01
700	1 93E+00	8.77E+01	4.08E—01	1 27E—03	1.36E—01	9.86E+00
710	2.07E+00	8.81E+01	3.76E—01	1.12E—03	1 48E—01	9.29E+00
720	2.22E+00	8.85E+01	3.46E—01	9.89E—04	1.61E—01	8.74E+00
730	2.37E+00	8.89E+01	3.19E—01	8.73E—04	1.76E—01	8.23E+00
740	2.54E+00	8.92E+01	2.93E—01	7.70E—04	1.91E—01	7.74E+00
750	2 72E+00	8.95E—01	2.70E—01	6.79E—04	2.08E—01	7.28E+00
760	2.91E+00	8.98E+01	2.49E—01	5.99E—04	2.26E—01	6.85E—00
770	3 11E+00	9.00E+01	2.29E—01	5.28E—04	2.45E—01	6.44E+00
780	3.32E+00	9.02E+01	2.11E—01	4.65E—04	2.66E—01	6.05E+00
790	3.54E+00	9 03E+01	1.94E—01	4.10E—04	2.89E—01	5.69E+00
800	3.78E+00	9.04E+01	1 78F—01	3.62E—04	3.13E—01	5 34E+00

Таблица 16

Широтные вариации состава при низкой солнечной активности для условий весеннего равноденствия в северном и осеннего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—82; LAT— 0; LON—45; LT- 12; F— 70; $F\Delta V$—70; Ap—100; UT1—9					
80	3.53E—04	1.23E—03	2.08E+01	9.01E—01	1.80E—05	7.83E+01
90	6.13E -04	3.14E—01	2.04E+01	8.61E—01	1.20E—04	7.85E+01
100	9.53E—04	3.50E+00	1.84E+01	7.34E— 01	1.97E -04	7.74E+01
110	2.53E -03	1.07E+01	1.40E+01	4.81E- -01	5.01E—04	7.49E+01
120	7.67E—03	1.92E+01	9.81E+00	2.95E—01	1.10E—03	7.07E+01
130	1.79E—02	2.58E+01	7.50E+00	1.99E—01	1.48E—03	6.65E+01
140	3.33E—02	3.14E+01	6.21E+00	1.41E—01	1.71E- 03	6.22E+01
150	5.12E- -02	3.61E+01	5.34E+00	1.03E- -01	1.92E—03	5.81E+01
160	7.31E—02	4.11E+01	4.64E+00	7.75E—02	2.16E- -03	5.41E+01
170	1.00E—01	4.57E+01	4.04E+00	5.90E -02	2.52E—03	5.01E+01
180	1.33E—01	5.01E+01	3.51E+00	4.52E- 02	3.01E- 03	4.62E+01
190	1.74E—01	5.43E+01	3.05E+00	3.49E—02	3.69E- 03	4.24E+01
200	2.23E—01	5.84E+01	2.63E+00	2.69E 02	4.59E—03	3.87E+01
210	2.82E- -01	6.22E+01	2.27E+00	2.07E—02	5.76E- -03	3.52E+01
220	3.52E—01	6.59E+01	1.94E+00	1.60E—02	7.25E—03	3.18E+01
230	4.36E- -01	6.93E+01	1.66E+00	1.23E -02	9.14E 03	2.86E+01
240	5.34E—01	7.24E+01	1.41E+00	9.39E—03	1.15E—02	2.56E+01
250	6.51E- -01	7.53E+01	1.19E+00	7.17E- 03	1.41E—02	2.28E+01
260	7.87E -01	7.79E+01	1.01E+00	5.46E -03	1.80E -02	2.03E+01
270	9.46E—01	8.02E+01	8.46E—01	4.15E—03	2.24E- 02	1.79E+01
280	1.13E+00	8.23E+01	7.09E- 01	3.14E—03	2.77E—02	1.58E+01
290	1.35E+00	8.41E+01	5.93E—01	2.37E—03	3.42E- 02	1.39E+01
300	1.60E+00	8.57E+01	4.94E- -01	1.79E- 03	4.21E—02	1.22E+01
310	1.89E+00	8.70E+01	4.11E—01	1.35E- 03	5.16E—02	1.07E+01
320	2.22E+00	8.81E+01	3.41E—01	1.01E—03	6.30E- 02	9.31E+00
330	2.60E+00	8.89E+01	2.83E—01	7.60E—04	7.65E 02	8.10E+00
340	3.04E+00	8.96E+01	2.34E—01	5.69E—04	9.28E - 02	7.03E+00
350	3.54E+00	9.01E+01	1.93E—01	4.26E- -04	1.12E- 01	6.10E+00
360	4.11E+00	9.03E+01	1.59E—01	3.18E—04	1.35E - 01	5.28E+00
370	4.77E+00	9.04E+01	1.31E -01	2.37E— 04	1.63E 01	4.56E+00
380	5.51E+00	9.03E+01	1.07E—01	1.77E—04	1.95E - 01	3.93E+00
390	6.36E+00	8.99E+01	8.82E- -02	1.32E—04	2.33E- 01	3.39E+00
400	7.31E+00	8.94E+01	7.22E- -02	9.78E- 05	2.78E—01	2.91E+00
410	8.38E+00	8.87E+01	5.90E—02	7.26E—05	3.31E—01	2.50E+00
420	9.59E+00	8.78E+01	4.82E—02	5.38E—05	3.93E - 01	2.14E+00
430	1.09E+01	8.67E+01	3.93E—02	3.98E -05	4.64E- 01	1.83E+00
440	1.24E+01	8.54E+01	3.19E—02	2.94E—05	5.47E—01	1.56E+00
450	1.41E+01	8.39E+01	2.59E 02	2.17E -05	6.43E -01	1.33E+00
460	1.59E+01	8.22E+01	2.10E- -02	1.60E - 05	7.53E—01	1.13E+00
470	1.79E+01	8.02E+01	1.69E- 02	1.17E—05	8.78E—01	9.55E—01
480	2.01E+01	7.80E+01	1.36E—02	8.59E—06	1.02E—00	8.06E—01
490	2.25E+01	7.57E+01	1.09E- -02	6.27E -06	1.18E+00	6.79E- -01
500	2.50E+01	7.31E+01	8.75E—03	4.57E- -06	1.36E+00	5.69E—01

Продолжение табл. 16

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	2.77E+01	7.03E+01	6.98E−03	3.31E−06	1.56E+00	4.75E−01
520	3.05E+01	6.73E+01	5.54E−03	2.40E−06	1.78E+00	3.96E−01
530	3.34E+01	6.42E+01	4.39E−03	1.73E−06	2.02E+00	3.28E−01
540	3.65E+01	6.09E+01	3.46E−03	1.24E−06	2.29E+00	2.71E−01
550	3.96E+01	5.76E+01	2.71E−03	8.87E−07	2.57E+00	2.23E−01
560	4.28E+01	5.41E+01	2.12E−03	6.32E−07	2.88E+00	1.82E−01
570	4.60E+01	5.06E+01	1.65E−03	4.48E−07	3.20E+00	1.48E−01
580	4.92E+01	4.72E+01	1.28E−03	3.17E−07	3.54E+00	1.20E−01
590	5.23E+01	4.37E+01	9.85E−04	2.23E−07	3.89E+00	9.73E−02
600	5.53E+01	4.03E+01	7.57E−04	1.56E−07	4.26E+00	7.82E−02
610	5.83E+01	3.70E+01	5.79E−04	1.09E−07	4.65E+00	6.26E−02
620	6.11E+01	3.39E+01	4.42E−04	7.60E−08	5.04E+00	5.00E−02
630	6.37E+01	3.08E+01	3.35E−04	5.27E−08	5.44E+00	3.97E−02
640	6.62E+01	2.80E+01	2.51E−04	3.65E−08	5.84E+00	3.15E−02
650	6.85E+01	2.53E+01	1.92E−04	2.51E−08	6.25E+00	2.48E−02
660	7.06E+01	2.28E+01	1.44E−04	1.73E−08	6.67E+00	1.95E−02
670	7.25E+01	2.04E+01	1.08E−04	1.19E−08	7.08E+00	1.53E−02
680	7.42E+01	1.83E+01	8.10E−05	8.13E−09	7.50E+00	1.20E−02
690	7.57E+01	1.63E+01	6.05E−05	5.56E−09	7.91E+00	9.38E−03
700	7.71E+01	1.46E+01	4.52E−05	3.79E−09	8.33E+00	7.32E−03
710	7.83E+01	1.29E+01	3.36E−05	2.58E−09	8.74E+00	5.70E−03
720	7.93E+01	1.15E+01	2.50E−05	1.76E−09	9.16E+00	4.43E−03
730	8.02E+01	1.02E+01	1.86E−05	1.20E−09	9.57E+00	3.44E−03
740	8.10E+01	9.01E+00	1.38E−05	8.13E−10	9.99E+00	2.67E−03
750	8.16E+01	7.96E+00	1.02E−05	5.53E−10	1.04E+01	2.07E−03
760	8.22E+01	7.03E+00	7.58E−06	3.75E−10	1.08E+01	1.60E−03
770	8.26E+01	6.20E+00	5.62E−06	2.55E−10	1.12E+01	1.24E−03
780	8.29E+01	5.46E+00	4.16E−06	1.73E−10	1.17E+01	9.57E−04
790	8.31E+01	4.81E+00	3.08E−06	1.18E−10	1.21E+01	7.40E−04
800	8.33E+01	4.23E+00	2.28E−06	7.98E−11	1.25E+01	5.72E−04

D—82; LAT—40; LON—45, LT—12; *F*—70, *FΔV*—70, *Ap*—100, UT1—9

80	5.40E−04	1.21E−03	2.08E+01	8.77E−01	1.68E−05	7.83E+01
90	6.04E−04	3.08E−01	2.04E+01	8.23E−01	1.15E−04	7.84E+01
100	9.51E−04	3.45E+00	1.85E+01	6.72E−01	1.96E−04	7.74E+01
110	2.31E−03	9.94E+00	1.47E+01	4.49E−01	4.41E−04	7.50E+01
120	5.61E−03	1.68E+01	1.10E+01	2.87E−01	7.64E−04	7.19E+01
130	1.22E−02	2.24E+01	8.75E+00	1.93E−01	9.79E−04	6.87E+01
140	2.18E−02	2.72E+01	7.44E+00	1.35E−01	1.11E−03	6.52E+01
150	3.33E−02	3.16E+01	6.51E+00	9.76E−02	1.22E−03	6.18E+01
160	4.76E−02	3.59E+01	5.75E+00	7.30E−02	1.37E−03	5.83E+01
170	6.55E−02	4.01E+01	5.09E+00	5.58E−02	1.58E−03	5.47E+01
180	8.77E−02	4.43E+01	4.49E+00	4.32E−02	1.89E−03	5.11E+01
190	1.15E−01	4.84E+01	3.95E+00	3.37E−02	2.32E−03	4.75E+01
200	1.48E−01	5.24E+01	3.46E+00	2.63E−02	2.90E−03	4.40E+01

Продолжение табл. 16

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.89E—01	5.63E+01	3.02E+00	2.06E—02	3.65E—03	4.04E+01
220	2.38E—01	6.01E+01	2.62E+00	1.61E—02	4.62E—03	3.70E+01
230	2.96E—01	6.38E+01	2.26E+00	1.25E—02	5.86E—03	3.37E+01
240	3.66E—01	6.72E+01	1.95E+00	9.71E—03	7.41E—03	3.05E+01
250	4.48E—01	7.04E+01	1.67E+00	7.51E—03	9.33E—03	2.75E+01
260	5.44E—01	7.34E+01	1.42E+00	5.80E—03	1.17E—02	2.47E+01
270	6.58E—01	7.61E+01	1.21E+00	4.46E—03	1.46E—02	2.20E+01
280	7.90E—01	7.85E+01	1.03E+00	3.42E—03	1.82E—02	1.96E+01
290	9.44E—01	8.08E+01	8.65E—01	2.61E—03	2.25E—02	1.74E+01
300	1.12E+00	8.27E+01	7.28E—01	1.99E—03	2.78E—02	1.54E+01
310	1.33E+00	8.44E+01	6.13E—01	1.52E—03	3.42E—02	1.36E+01
320	1.57E+00	8.59E+01	5.13E—01	1.15E—03	4.18E—02	1.19E+01
330	1.85E+00	8.72E+01	4.28E—01	8.72E—04	5.09E—02	1.05E+01
340	2.16E+00	8.83E+01	3.57E—01	6.59E—04	6.19E—02	9.16E+00
350	2.53E+00	8.91E+01	2.96E—01	4.98E—04	7.49E—02	8.00E+00
360	2.94E+00	8.98E+01	2.46E—01	3.75E—04	9.05E—02	6.97E+00
370	3.42E+00	9.02E+01	2.04E—01	2.82E—04	1.09E—01	6.06E+00
380	3.96E+00	9.05E+01	1.69E—01	2.12E—04	1.31E—01	5.26E+00
390	4.58E+00	9.06E+01	1.40E—01	1.59E—04	1.57E—01	4.56E+00
400	5.28E+00	9.05E+01	1.15E—01	1.20E—01	1.87E—01	3.95E+00
410	6.07E+00	9.02E+01	9.50E—02	8.97E—05	2.23E—01	3.41E+00
420	6.96E+00	8.97E+01	7.82E—02	6.71E—05	2.65E—01	2.95E+00
430	7.96E+00	8.91E+01	6.42E—02	5.02E—05	3.15E—01	2.54E+00
440	9.09E+00	8.83E+01	5.27E—02	3.75E—05	3.72E—01	2.18E+00
450	1.03E+01	8.73E+01	4.32E—02	2.79E—05	4.39E—01	1.88E+00
460	1.17E+01	8.61E+01	3.53E—02	2.08E—05	5.16E—01	1.61E+00
470	1.33E+01	8.47E+01	2.88E—02	1.55E—05	6.05E—01	1.37E+00
480	1.50E+01	8.31E+01	2.35E—02	1.15E—05	7.06E—01	1.17E+00
490	1.69E+01	8.13E+01	1.91E—02	8.49E—06	8.23E—01	9.98E—01
500	1.89E+01	7.93E+01	1.54E—02	6.27E—06	9.54E—01	8.47E—01
510	2.11E+01	7.71E+01	1.25E—02	4.62E—06	1.10E+00	7.16E—01
520	2.35E+01	7.46E+01	1.01E—02	3.39E—06	1.27E+00	6.04E—01
530	2.60E+01	7.20E+01	8.07E—03	2.49E—06	1.46E+00	5.08E—01
540	2.87E+01	6.92E+01	6.46E—03	1.82E—06	1.66E+00	4.26E—01
550	3.15E+01	6.63E+01	5.15E—03	1.32E—06	1.89E+00	3.55E—01
560	3.44E+01	6.32E+01	4.09E—03	9.59E—07	2.13E+00	2.96E—01
570	3.74E+01	6.00E+01	3.24E—03	6.93E—07	2.40E+00	2.45E—01
580	4.05E+01	5.66E+01	2.55E—03	4.99E—07	2.69E+00	2.02E—01
590	4.36E+01	5.33E+01	2.01E—03	3.58E—07	2.99E+00	1.66E—01
600	4.67E+01	4.99E+01	1.57E—03	2.56E—07	3.32E+00	1.36E—01
610	4.98E+01	4.65E+01	1.22E—03	1.82E—07	3.66E+00	1.10E—01
620	5.28E+01	4.31E+01	9.47E—04	1.29E—07	4.01E+00	8.96E—02
630	5.57E+01	3.98E+01	7.32E—04	9.13E—08	4.38E+00	7.24E—02
640	5.86E+01	3.66E+01	5.63E—04	6.43E—08	4.76E+00	5.82E—02
650	6.13E+01	3.35E+01	4.32E—04	4.51E—08	5.15E+00	4.67E—02
660	6.38E+01	3.06E+01	3.30E—04	3.15E—08	5.54E+00	3.73E—02
670	6.62E+01	2.78E+01	2.51E—04	2.20E—08	5.94E+00	2.97E—02
680	6.85E+01	2.52E+01	1.91E—01	1.53E—08	6.35E+00	2.36E—02
690	7.05E+01	2.27E+01	1.45E—04	1.06E—08	6.76E+00	1.87E—02
700	7.21E+01	2.05E+01	1.09E—04	7.36E—09	7.17E+00	1.47E—02

Продолжение табл. 16

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	7.40E+01	1.84E+01	8.25E−05	5.08E−09	7.58E+00	1.16E−02
720	7.56E+01	1.65E+01	6.21E−05	3.51E−09	7.99E+00	9.12E−03
730	7.69E+01	1.47E+01	4.66E−05	2.42E−09	8.40E+00	7.16E−03
740	7.81E+01	1.31E+01	3.50E−05	1.66E−09	8.81E+00	5.61E−03
750	7.91E+01	1.17E+01	2.62E−05	1.14E−09	9.22E+00	4.39E−03
760	8.00E+01	1.04E+01	1.96E−05	7.85E−10	9.63E+00	3.43E−03
770	8.08E+01	9.21E+00	1.47E−05	5.39E−10	1.00E+01	2.67E−03
780	8.14E+01	8.16E+00	1.10E−05	3.69E−10	1.04E+01	2.09E−03
790	8.19E+01	7.23E+00	8.18E−06	2.53E−10	1.09E+01	1.63E−03
800	8.23E+01	6.40E+00	6.11E−06	1.74E−10	1.13E+01	1.27E−03

D—82; LAT—80; LON—45; LT—12; *F*—70; *FAV*—70; *Ap*—100; UT1—9

80	5.35E−04	9.70E−04	2.09E+01	9.65E−01	1.62E−05	7.81E+01
90	5.89E−04	2.40E−01	2.07E+01	9.60E−01	1.08E−04	7.81E+01
100	9.45E−04	2.64E+00	1.94E+01	8.51E−01	1.95E−04	7.71E+01
110	2.04E−03	7.00E+00	1.73E+01	6.86E−01	3.79E−04	7.50E+01
120	3.79E−03	1.08E+01	1.55E+01	5.59E−01	5.27E−04	7.31E+01
130	6.00E−03	1.38E+01	1.40E+01	4.69E−01	6.27E−04	7.17E+01
140	8.89E−03	1.62E+01	1.29E+01	4.01E−01	6.81E−04	7.05E+01
150	1.30E−02	1.85E+01	1.19E+01	3.44E−01	7.32E−04	6.92E+01
160	1.85E−02	2.08E+01	1.11E+01	2.94E−01	8.11E−04	6.78E+01
170	2.56E−02	2.31E+01	1.03E+01	2.50E−01	9.34E−04	6.64E+01
180	3.45E−02	2.54E+01	9.53E+00	2.12E−01	1.12E−03	6.48E+01
190	4.58E−02	2.79E+01	8.82E+00	1.79E−01	1.38E−03	6.30E+01
200	6.00E−02	3.06E+01	8.15E+00	1.50E−01	1.74E−03	6.11E+01
210	7.75E−02	3.33E+01	7.51E+00	1.26E−01	2.21E−03	5.90E+01
220	9.92E−02	3.62E+01	6.89E+00	1.06E−01	2.84E−03	5.67E+01
230	1.26E−01	3.91E+01	6.30E+00	8.81E−02	3.65E−03	5.43E+01
240	1.59E−01	4.22E+01	5.74E+00	7.33E−02	4.68E−03	5.18E+01
250	1.98E−01	4.53E+01	5.21E+00	6.08E−02	5.99E−03	4.92E+01
260	2.46E−01	4.85E+01	4.70E+00	5.02E−02	7.63E−03	4.65E+01
270	3.03E−01	5.17E+01	4.23E+00	4.12E−02	9.68E−03	4.37E+01
280	3.70E−01	5.49E+01	3.78E+00	3.38E−02	1.22E−02	4.09E+01
290	4.50E−01	5.80E+01	3.37E+00	2.76E−02	1.53E−02	3.81E+01
300	5.44E−01	6.11E+01	2.99E+00	2.21E−02	1.91E−02	3.53E+01
310	6.62E−01	6.36E+01	2.68E+00	1.84E−02	2.40E−02	3.31E+01
320	7.90E−01	6.65E+01	2.35E+00	1.48E−02	2.96E−02	3.03E+01
330	9.38E−01	6.92E+01	2.06E+00	1.19E−02	3.63E−02	2.77E+01
340	1.11E+00	7.18E+01	1.80E+00	9.48E−03	4.43E−02	2.52E+01
350	1.30E+00	7.42E+01	1.56E+00	7.56E−03	5.38E−02	2.29E+01
360	1.53E+00	7.63E+01	1.35E+00	6.01E−03	6.51E−02	2.07E+01
370	1.78E+00	7.83E+01	1.17E+00	4.76E−03	7.84E−02	1.87E+01
380	2.07E+00	8.00E+01	1.01E+00	3.77E−03	9.41E−02	1.68E+01
390	2.40E+00	8.16E+01	8.65E−01	2.97E−03	1.13E−01	1.51E+01
400	2.77E+00	8.29E+01	7.41E−01	2.34E−03	1.34E−01	1.35E+01

Продолжение табл. 16

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2S, %
410	3.18E+00	8.40E+01	6.34E−01	1.84E−03	1.59E−01	1.20E+01
420	3.65E+00	8.49E+01	5.41E−01	1.44E−03	1.89E−01	1.07E+01
430	4.18E+00	8.56E+01	4.61E−01	1.13E−03	2.23E−01	9.51E+00
440	4.77E+00	8.61E+01	3.92E−01	8.83E−04	2.62E−01	8.44E+00
450	5.43E+00	8.65E+01	3.33E−01	6.90E−04	3.08E−01	7.47E+00
460	6.16E+00	8.66E+01	2.82E−01	5.38E−04	3.61E−01	6.60E+00
470	6.98E+00	8.65E+01	2.39E−01	4.19E−04	4.22E−01	5.82E+00
480	7.88E+00	8.63E+01	2.02E−01	3.25E−04	4.91E−01	5.13E+00
490	8.88E+00	8.59E+01	1.70E−01	2.53E−01	5.71E−01	4.51E+00
500	9.98E+00	8.53E+01	1.43E−01	1.96E−04	6.62E−01	3.95E+00
510	1.12E+01	8.45E+01	1.20E−01	1.52E−04	7.65E−01	3.46E+00
520	1.25E+01	8.35E+01	1.01E−01	1.17E−04	8.82E−01	3.02E+00
530	1.39E+01	8.23E+01	8.45E−02	9.03E−05	1.01E+00	2.64E+00
540	1.55E+01	8.10E+01	7.06E−02	6.96E−05	1.16E+00	2.30E+00
550	1.72E+01	7.94E+01	5.89E−02	5.35E−05	1.33E+00	1.99E+00
560	1.90E+01	7.77E+01	4.90E−02	4.10E−05	1.51E+00	1.73E+00
570	2.09E+01	7.58E+01	4.06E−02	3.14E−05	1.72E+00	1.49E+00
580	2.30E+01	7.38E+01	3.37E−02	2.40E−05	1.94E+00	1.29E+00
590	2.51E+01	7.16E+01	2.78E−02	1.83E−05	2.19E+00	1.11E+00
600	2.74E+01	6.92E+01	2.29E−02	1.39E−05	2.46E+00	9.49E−01
610	2.97E+01	6.67E+01	1.88E−02	1.05E−05	2.76E+00	8.11E−01
620	3.22E+01	6.40E+01	1.54E−02	7.97E−06	3.07E+00	6.91E−01
630	3.47E+01	6.13E+01	1.26E−02	6.01E−06	3.41E+00	5.87E−01
640	3.73E+01	5.84E+01	1.02E−02	4.52E−06	3.78E+00	4.97E−01
650	3.99E+01	5.55E+01	8.30E−03	3.39E−06	1.16E+00	4.19E−01
660	4.25E+01	5.26E+01	6.71E−03	2.53E−06	4.57E+00	3.53E−01
670	4.51E+01	4.96E+01	5.41E−03	1.89E−06	4.99E+00	2.96E−01
680	4.77E+01	4.66E+01	4.35E−03	1.40E−06	5.44E+00	2.47E−01
690	5.02E+01	4.37E+01	3.48E−03	1.01E−06	5.90E+00	2.06E−01
700	5.27E+01	4.08E+01	2.78E−03	7.67E−07	6.37E+00	1.71E−01
710	5.51E+01	3.79E+01	2.22E−03	5.66E−07	6.86E+00	1.42E−01
720	5.74E+01	3.52E+01	1.76E−03	4.16E−07	7.35E+00	1.17E−01
730	5.95E+01	3.25E+01	1.39E−03	3.05E−07	7.85E+00	9.63E−02
740	6.16E+01	3.00E+01	1.10E−03	2.23E−07	8.36E+00	7.91E−02
750	6.35E+01	2.75E+01	8.68E−04	1.63E−07	8.88E+00	6.47E−02
760	6.53E+01	2.52E+01	6.83E−04	1.19E−07	9.39E+00	5.29E−02
770	6.70E+01	2.31E+01	5.36E−04	8.62E−08	9.91E+00	4.31E−02
780	6.85E+01	2.10E+01	4.20E−04	6.26E−08	1.04E+01	3.51E−02
790	6.99E+01	1.92E+01	3.28E−04	4.53E−08	1.09E+01	2.85E−02
800	7.11E+01	1.74E+01	2.56E−04	3.28E−08	1.15E+01	2.31E−02

D—82; LAT— 40; LON— 45; LT— 12; *F* 70; $\bar{F}AV$ 70; *Ap*—100; UTI—9

80	5.42E−04	1.19E−03	2.09E+01	9.32E−01	1.70E−05	7.82E+01
90	6.06E−04	3.02E−01	2.06E+01	9.09E−01	1.16E−04	7.82E+01
100	9.45E−04	3.35E+00	1.89E+01	7.90E−01	1.96E−04	7.69E+01

Продолжение табл. 16

z, км	He/S, %	O/S, %	O_3/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.33E—03	9.68E+00	1.56E+01	5.64E—01	4.55E—04	7.42E+01
120	5.58E—03	1.64E+01	1.24E+01	3.93E—01	8.17E—04	7.08E+01
130	1.05E—02	2.18E+01	1.03E+01	2.90E—01	1.06E—03	6.76E+01
140	1.72E—02	2.65E+01	8.93E+00	2.22E—01	1.20E—03	6.43E+01
150	2.59E—02	3.08E+01	7.89E+00	1.74E—01	1.33E—03	6.12E+01
160	3.68E—02	3.49E+01	7.02E+00	1.37E—01	1.19E—03	5.79E—01
170	5.05E—02	3.89E+01	6.25E+00	1.09E—01	1.73E—03	5.47E—01
180	6.74E—02	4.29E+01	5.56E+00	8.72E—02	2.06E—03	5.14E+01
190	8.80E—02	4.68E+01	4.94E+00	6.97E—02	2.51E—03	4.81E+01
200	1.13E—01	5.06E+01	4.37E+00	5.57E—02	3.11E—03	4.49E+01
210	1.43E—01	5.43E+01	3.86E+00	4.44E—02	3.89E—03	4.16E+01
220	1.78E—01	5.79E+01	3.39E+00	3.54E—02	4.88E—03	3.85E+01
230	2.21E—01	6.14E+01	2.97E+00	2.81E—02	6.13E—03	3.54E+01
240	2.70E—01	6.47E+01	2.59E+00	2.23E—02	7.67E—03	3.24E+01
250	3.29E—01	6.79E+01	2.26E+00	1.77E—02	9.57E—03	2.95E+01
260	3.97E—01	7.08E+01	1.95E+00	1.39E—02	1.19E—02	2.68E+01
270	4.76E—01	7.36E+01	1.69E+00	1.10E—02	1.47E—02	2.43E+01
280	5.67E—01	7.61E+01	1.45E+00	8.59E—03	1.81E—02	2.19E+01
290	6.72E—01	7.84E+01	1.25E+00	6.72E—03	2.22E—02	1.96E+01
300	7.94E—01	8.05E+01	1.07E+00	5.25E—03	2.71E—02	1.76E+01
310	9.36E—01	8.23E+01	9.14E—01	4.11E—03	3.30E—02	1.58E+01
320	1.10E+00	8.40E+01	7.78E—01	3.19E—03	4.00E—02	1.41E+01
330	1.28E+00	8.55E+01	6.61E—01	2.48E—03	4.82E—02	1.25E+01
340	1.49E+00	8.68E+01	5.60E—01	1.92E—03	5.79E—02	1.11E+01
350	1.72E+00	8.79E+01	4.74E—01	1.49E—03	6.94E—02	9.81E+00
360	1.99E+00	8.89E+01	4.01E—01	1.15E—03	8.30E—02	8.67E+00
370	2.29E+00	8.96E+01	3.38E—01	8.87E—04	9.90E—02	7.65E+00
380	2.64E+00	9.02E+01	2.85E—01	6.84E—04	1.18E—01	6.74E+00
390	3.03E+00	9.07E+01	2.40E—01	5.27E—04	1.40E—01	5.93E+00
400	3.47E+00	9.09E+01	2.02E—01	4.06E—04	1.65E—01	5.22E+00
410	3.96E+00	9.11E+01	1.70E—01	3.12E—04	1.95E—01	4.58E+00
420	4.52E+00	9.11E+01	1.42E—01	2.40E—04	2.30E—01	4.01E+00
430	5.15E+00	9.09E+01	1.19E—01	1.84E—04	2.71E—01	3.52E+00
440	5.84E+00	9.07E+01	9.99E—02	1.41E—04	3.18E—01	3.08E+00
450	6.63E+00	9.02E+01	8.36E—02	1.09E—04	3.72E—01	2.69E+00
460	7.50E+00	8.97E+01	6.99E—02	8.32E—05	4.35E—01	2.34E+00
470	8.47E+00	8.89E+01	5.83E—02	6.37E—05	5.07E—01	2.04E+00
480	9.54E+00	8.80E+01	4.86E—02	4.87E—05	5.90E—01	1.78E+00
490	1.07E+01	8.70E+01	4.04E—02	3.72E—05	6.85E—01	1.51E+00
500	1.20E+01	8.58E+01	3.36E—02	2.84E—05	7.93E—01	1.34E+00
510	1.34E+01	8.45E+01	2.79E—02	2.16E—05	9.16E—01	1.16E+00
520	1.50E+01	8.29E+01	2.31E—02	1.64E—05	1.05E+00	1.00E+00
530	1.67E+01	8.12E+01	1.91E—02	1.25E—05	1.21E+00	8.65E—01
540	1.85E+01	7.93E+01	1.58E—02	9.47E—06	1.39E+00	7.44E—01
550	2.05E+01	7.73E+01	1.30E—02	7.16E—06	1.58E+00	6.39E—01
560	2.25E+01	7.51E+01	1.06E—02	5.40E—06	1.80E+00	5.47E—01
570	2.48E+01	7.27E+01	8.72E—03	4.07E—06	2.04E+00	4.67E—01
580	2.71E+01	7.02E+01	7.12E—03	3.06E—06	2.30E+00	3.98E—01
590	2.95E+01	6.75E+01	5.80E—03	2.29E—06	2.59E+00	3.38E—01
600	3.21E+01	6.47E+01	4.71E—03	1.71E—06	2.90E+00	2.86E—01

Продолжение табл. 16

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	3.47E+01	6.18E+01	3.81E−03	1.27E−06	3.24E+00	2.41E−01
620	3.74E+01	5.88E+01	3.07E−03	9.46E−07	3.60E+00	2.03E−01
630	4.01E+01	5.58E+01	2.47E−03	7.00E−07	3.98E+00	1.70E−01
640	4.28E+01	5.27E+01	1.98E−03	5.17E−07	4.38E+00	1.42E−01
650	4.55E+01	4.95E+01	1.58E−03	3.80E−07	4.81E+00	1.18E−01
660	4.82E+01	4.64E+01	1.26E−03	2.79E−07	5.25E+00	9.77E−02
670	5.09E+01	4.33E+01	9.97E−04	2.04E−07	5.71E+00	8.07E−02
680	5.35E+01	4.03E+01	7.88E−04	1.49E−07	6.19E+00	6.64E−02
690	5.59E+01	3.73E+01	6.21E−04	1.08E−07	6.67E+00	5.45E−02
700	5.83E+01	3.45E+01	4.88E−04	7.83E−08	7.17E+00	4.46E−02
710	6.06E+01	3.17E+01	3.82E−04	5.66E−08	7.68E+00	3.64E−02
720	6.27E+01	2.91E+01	2.99E−04	4.08E−08	8.19E+00	2.96E−02
730	6.46E+01	2.66E+01	2.33E−04	2.93E−08	8.70E+00	2.40E−02
740	6.65E+01	2.43E+01	1.81E−04	2.11E−08	9.22E+00	1.94E−02
750	6.81E+01	2.21E+01	1.40E−04	1.51E−08	9.74E+00	1.57E−02
760	6.97E+01	2.01E+01	1.09E−04	1.08E−08	1.03E+01	1.26E−02
770	7.11E+01	1.82E+01	8.40E−05	7.70E−09	1.08E+01	1.02E−02
780	7.23E+01	1.64E+01	6.48E−05	5.49E−09	1.13E+01	8.15E−03
790	7.34E+01	1.48E+01	4.99E−05	3.91E−09	1.18E+01	6.53E−03
800	7.43E+01	1.33E+01	3.84E−05	2.78E−09	1.23E+01	5.23E−03

D—82; LAT—−80; LON—45; LT—12; *F*—70; WAV—70; A_p—100; UTI—9

80	5.41E−04	9.17E−04	2.09E+01	9.68E−01	1.76E−05	7.81E+01
90	5.98E−04	2.25E−01	2.08E+01	9.66E−01	1.20E−04	7.80E+01
100	9.39E−04	2.43E+00	2.00E+01	8.65E−01	2.12E−01	7.67E+01
110	2.08E−03	6.47E+00	1.87E+01	6.85E−01	4.49E−04	7.42E+01
120	3.67E−03	9.97E+00	1.78E+01	5.50E−01	6.85E−04	7.17E+01
130	4.25E−03	1.26E+01	1.69E+01	4.63E−01	8.53E−04	7.00E+01
140	5.12E−03	1.47E+01	1.59E+01	4.00E−01	9.68E−04	6.90E+01
150	7.24E−03	1.67E+01	1.49E+01	3.48E−01	1.08E−03	6.81E+01
160	1.02E−02	1.86E+01	1.40E+01	3.03E−01	1.22E−03	6.72E+01
170	1.40E−02	2.04E+01	1.31E+01	2.63E−01	1.42E−03	6.62E+01
180	1.88E−02	2.23E+01	1.23E+01	2.27E−01	1.71E−03	6.51E+01
190	2.47E−02	2.43E+01	1.15E+01	1.96E−01	2.10E−03	6.39E+01
200	3.19E−02	2.63E+01	1.08E+01	1.69E−01	2.62E−03	6.26E+01
210	4.06E−02	2.85E+01	1.01E+01	1.46E−01	3.29E−03	6.12E+01
220	5.13E−02	3.07E+01	9.48E+00	1.26E−01	4.16E−03	5.96E+01
230	6.41E−02	3.30E+01	8.85E+00	1.08E−01	5.24E−03	5.80E+01
240	7.93E−02	3.54E+01	8.24E+00	9.31E−02	6.60E−03	5.61E+01
250	9.74E−02	3.79E+01	7.65E+00	8.01E−02	8.28E−03	5.42E+01
260	1.19E−01	4.05E+01	7.08E+00	6.86E−02	1.03E−02	5.22E+01
270	1.44E−01	4.31E+01	6.54E+00	5.87E−02	1.28E−02	5.01E+01
280	1.73E−01	4.58E+01	6.02E+00	5.01E−02	1.59E−02	4.79E+01
290	2.08E−01	4.85E+01	5.53E+00	4.26E−02	1.95E−02	4.57E+01
300	2.47E−01	5.12E+01	5.06E+00	3.62E−02	2.39E−02	4.34E+01

Продолжение табл. 16

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	2.97E—01	5.33E+01	1.68E+00	3.11E—02	2.95E—02	4.17E+01
320	3.50E—01	5.61E+01	4.25E+00	2.62E—02	3.56E—02	3.93E+01
330	4.09E—01	5.88E+01	3.85E+00	2.21E—02	4.29E—02	3.69E+01
340	4.78E 01	6.14E+01	3.48E+00	1.85E—02	5.14E—02	3.45E+01
350	5.55E—01	6.40E+01	3.13E+00	1.55E—02	6.13E—02	3.23E+01
360	6.42E—01	6.64E+01	2.81E+00	1.30E—02	7.29E—02	3.00E+01
370	7.41E 01	6.87E+01	2.52E+00	1.08E—02	8.64E—02	2.79E+01
380	8.51E—01	7.09E+01	2.25E+00	9.02E—03	1.02E—01	2.59E+01
390	9.75E—01	7.30E+01	2.01E+00	7.49E—03	1.20E 01	2.39E+01
400	1.11E+00	7.49E+01	1.79E+00	6.21E—03	1.41E—01	2.21E+01
410	1.27E+00	7.67E+01	1.59E+00	5.14E—03	1.65E—01	2.03E+01
420	1.44E+00	7.83E+01	1.41E+00	4.25E—03	1.92E—01	1.87E+01
430	1.63E+00	7.98E+01	1.25E+00	3.51E—03	2.23E—01	1.71E+01
440	1.84E+00	8.11E+01	1.10E+00	2.89E—03	2.59E—01	1.57E+01
450	2.08E+00	8.23E+01	9.75E—01	2.38E—03	3.00E—01	1.43E+01
460	2.34E+00	8.34E+01	8.59E—01	1.95E—03	3.46E—01	1.31E+01
470	2.62E+00	8.43E+01	7.56E—01	1.60E—03	3.98E—01	1.19E+01
480	2.93E+00	8.51E+01	6.64E—01	1.32E—03	4.58E—01	1.08E+01
490	3.28E+00	8.58E+01	5.83E—01	1.08E—03	5.25E—01	9.84E+00
500	3.66E+00	8.63E+01	5.11E—01	8.83E—04	6.01E—01	8.93E+00
510	4.07E+00	8.67E+01	4.48E—01	7.22E—04	6.86E—01	8.09E+00
520	4.53E+00	8.70E+01	3.92E—01	5.90E—04	7.83E—01	7.33E+00
530	5.02E+00	8.71E+01	3.43E—01	4.82E—04	8.91E—01	6.63E+00
540	5.57E+00	8.71E+01	2.99E—01	3.93E—04	1.01E+00	5.99E+00
550	6.15E+00	8.70E+01	2.61E—01	3.20E—04	1.15E+00	5.40E+00
560	6.79E+00	8.68E+01	2.27E—01	2.61E—04	1.30E+00	4.87E+00
570	7.48E+00	8.65E+01	1.98E—01	2.12E—04	1.47E+00	4.38E+00
580	8.23E+00	8.60E+01	1.72E—01	1.73E—04	1.66E+00	3.94E+00
590	9.04E+00	8.54E+01	1.49E—01	1.40E—04	1.87E+00	3.54E+00
600	9.91E+00	8.47E+01	1.30E—01	1.14E—04	2.10E+00	3.18E+00
610	1.08E+01	8.38E+01	1.12E—01	9.23E—05	2.35E+00	2.85E+00
620	1.18E+01	8.29E+01	9.73E—02	7.47E—05	2.63E+00	2.55E+00
630	1.29E+01	8.18E+01	8.41E—02	6.05E—05	2.94E+00	2.28E+00
640	1.40E+01	8.06E+01	7.26E—02	4.89E—05	3.28E+00	2.03E+00
650	1.52E+01	7.92E+01	6.26E—02	3.95E—05	3.65E+00	1.81E+00
660	1.65E+01	7.78E+01	5.39E—02	3.18E—05	4.05E+00	1.61E+00
670	1.78E+01	7.62E+01	4.63E—02	2.56E—05	4.49E+00	1.43E+00
680	1.92E+01	7.45E+01	3.97E—02	2.06E—05	4.96E+00	1.27E+00
690	2.07E+01	7.27E+01	3.40E—02	1.65E—05	5.47E+00	1.12E+00
700	2.22E+01	7.08E+01	2.91E—02	1.32E—05	6.01E+00	9.90E—01
710	2.38E+01	6.88E+01	2.48E—02	1.06E—05	6.59E+00	8.73E—01
720	2.54E+01	6.66E—01	2.12E—02	8.46E—06	7.21E+00	7.68E—01
730	2.70E+01	6.44E+01	1.80E—02	6.74E—06	7.87E+00	6.74E—01
740	2.87E+01	6.21E+01	1.53E—02	5.37E—06	8.56E+00	5.91E—01
750	3.04E+01	5.98E+01	1.29E—02	4.26E—06	9.28E+00	5.17E 01
760	3.21E+01	5.74E+01	1.09E—02	3.38E—06	1.00E+01	4.51E—01
770	3.38E+01	5.50E+01	9.21E—03	2.67E—06	1.08E+01	3.92E—01
780	3.55E—01	5.25E+01	7.75E—03	2.11E—06	1.17E+01	3.41E—01
790	3.72E+01	5.00E—01	6.50E 03	1.66E—06	1.25E+01	2.95E—01
800	3.89E+01	4.75E+01	5.45E—03	1.31E—06	1.31E+01	2.55E—01

Таблица 17

Широтные вариации состава при средней солнечной активности для условий весеннего равноденствия в северном и осеннего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—82; LAT—0; LON—45; LT—12; F—150; $\overline{F}\Delta V$—150; A_p—100; UTI—9					
80	5.59E—04	1.31E—03	2.08E+01	8.98E—01	1.58E—05	7.83E+01
90	6.15E—04	3.37E—01	2.03E+01	8.61E—01	9.68E—05	7.85E+01
100	9.54E—04	3.78E+00	1.80E+01	7.30E—01	1.46E—04	7.75E+01
110	2.51E—03	1.16E+01	1.32E+01	4.74E—01	3.32E—04	7.47E+01
120	7.77E—03	2.09E+01	8.77E+00	2.87E—01	6.61E—04	7.00E+01
130	1.78E—02	2.78E+01	6.51E+00	1.96E—01	7.68E—04	6.55E+01
140	3.20E—02	3.31E+01	5.37E+00	1.42E—01	7.62E—04	6.13E+01
150	4.71E—02	3.77E+01	4.66E+00	1.07E—01	7.36E—04	5.75E+01
160	6.41E—02	4.19E+01	4.12E+00	8.37E—02	7.31E—04	5.38E+01
170	8.37E—02	4.58E+01	3.66E+00	6.64E—02	7.59E—04	5.01E+01
180	1.06E—01	4.95E+01	3.26E+00	5.35E—02	8.24E—04	4.71E+01
190	1.32E—01	5.30E+01	2.91E+00	4.34E—02	9.26E—04	4.39E+01
200	1.61E—01	5.63E+01	2.60E+00	3.55E—02	1.07E—03	4.09E+01
210	1.94E—01	5.94E+01	2.32E+00	2.91E—02	1.25E—03	3.80E+01
220	2.31E—01	6.24E+01	2.07E+00	2.39E—02	1.47E—03	3.53E+01
230	2.73E—01	6.52E+01	1.84E+00	1.96E—02	1.75E—03	3.27E+01
240	3.21E—01	6.78E+01	1.63E+00	1.61E—02	2.07E—03	3.02E+01
250	3.74E—01	7.03E+01	1.45E+00	1.33E—02	2.16E—03	2.79E+01
260	4.33E—01	7.26E+01	1.29E+00	1.09E—02	2.91E—03	2.57E+01
270	5.00E—01	7.48E+01	1.14E+00	8.96E—03	3.43E—03	2.36E+01
280	5.74E—01	7.68E+01	1.01E+00	7.36E—03	4.01E—03	2.16E+01
290	6.57E—01	7.86E+01	8.90E—01	6.04E—03	4.75E—03	1.98E+01
300	7.50E—01	8.03E+01	7.86E—01	4.96E—03	5.55E—03	1.82E+01
310	8.50E—01	8.19E+01	6.91E—01	4.05E—03	6.47E—03	1.65E+01
320	9.64E—01	8.33E+01	6.08E—01	3.32E—03	7.53E—03	1.51E+01
330	1.09E+00	8.46E+01	5.35E—01	2.72E—03	8.74E—03	1.38E+01
340	1.23E+00	8.57E+01	4.70E—01	2.23E—03	1.01E—02	1.25E+01
350	1.39E+00	8.68E+01	4.13E—01	1.82E—03	1.17E—02	1.14E+01
360	1.56E+00	8.77E+01	3.62E—01	1.49E—03	1.35E—02	1.04E+01
370	1.75E+00	8.85E+01	3.18E—01	1.22E—03	1.56E—02	9.43E+00
380	1.96E+00	8.92E+01	2.78E—01	9.94E—04	1.79E—02	8.55E+00
390	2.19E+00	8.98E+01	2.44E—01	8.12E—04	2.06E—02	7.75E+00
400	2.45E+00	9.03E+01	2.13E—01	6.63E—04	2.36E—02	7.02E+00
410	2.73E+00	9.07E+01	1.86E—01	5.41E—04	2.70E—02	6.36E+00
420	3.03E+00	9.10E+01	1.63E—01	4.41E—04	3.08E—02	5.75E+00
430	3.37E+00	9.12E+01	1.42E—01	3.60E—04	3.52E—02	5.20E+00
440	3.75E+00	9.14E+01	1.24E—01	2.93E—04	4.01E—02	4.70E+00
450	4.15E+00	9.14E+01	1.08E—01	2.39E—04	4.56E—02	4.24E+00
460	4.60E+00	9.14E+01	9.46E—02	1.95E—04	5.18E—02	3.83E+00
470	5.09E+00	9.13E+01	8.25E—02	1.58E—04	5.88E—02	3.45E+00
480	5.62E+00	9.11E+01	7.19E—02	1.29E—04	6.66E—02	3.11E+00
490	6.20E+00	9.09E+01	6.26E—02	1.05E—04	7.54E—02	2.81E+00
500	6.84E+00	9.05E+01	5.45E—02	8.55E—05	8.52E—02	2.53E+00

Продолжение табл. 17

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	7.53E+00	9.01E+01	4.74E−02	6.95E−05	9.62E−02	2.27E+00
520	8.27E+00	8.95E+01	4.12E−02	5.65E−05	1.08E−01	2.04E+00
530	9.08E+00	8.89E+01	3.58E−02	4.59E−05	1.22E−01	1.84E+00
540	9.96E+00	8.82E+01	3.11E−02	3.73E−05	1.37E−01	1.65E+00
550	1.09E+01	8.74E+01	2.70E−02	3.03E−05	1.54E−01	1.48E+00
560	1.19E+01	8.66E+01	2.34E−02	2.46E−05	1.73E−01	1.33E+00
570	1.30E+01	8.56E+01	2.03E−02	2.00E−05	1.93E−01	1.19E+00
580	1.42E+01	8.45E+01	1.76E−02	1.62E−05	2.16E−01	1.06E+00
590	1.54E+01	8.34E+01	1.52E−02	1.31E−05	2.41E−01	9.49E−01
600	1.68E+01	8.21E+01	1.31E−02	1.06E−05	2.68E−01	8.47E−01
610	1.82E+01	8.07E+01	1.13E−02	8.57E−06	2.98E−01	7.55E−01
620	1.97E+01	7.93E+01	9.76E−03	6.92E−06	3.31E−01	6.73E−01
630	2.13E+01	7.77E+01	8.41E−03	5.59E−06	3.66E−01	5.99E−01
640	2.30E+01	7.61E+01	7.23E−03	4.50E−06	4.04E−01	5.32E−01
650	2.47E+01	7.44E−01	6.21E−03	3.63E−06	4.46E−01	4.72E−01
660	2.66E+01	7.25E−01	5.32E−03	2.92E−06	4.91E−01	4.18E−01
670	2.85E+01	7.06E+01	4.56E−03	2.34E−06	5.39E−01	3.69E−01
680	3.05E+01	6.86E−01	3.90E−03	1.88E−06	5.91E−01	3.26E−01
690	3.25E+01	6.66E+01	3.33E−03	1.51E−06	6.46E−01	2.87E−01
700	3.46E+01	6.44E+01	2.84E−03	1.20E−06	7.04E−01	2.53E−01
710	3.68E+01	6.22E+01	2.41E−03	9.61E−07	7.66E−01	2.22E−01
720	3.90E+01	6.00E+01	2.05E−03	7.67E−07	8.32E−01	1.95E−01
730	4.12E+01	5.77E+01	1.74E−03	6.10E−07	9.00E−01	1.70E−01
740	4.35E+01	5.54E+01	1.47E−03	4.85E−07	9.72E−01	1.49E−01
750	4.58E+01	5.31E+01	1.24E−03	3.85E−07	1.05E+00	1.30E−01
760	4.80E+01	5.07E+01	1.05E−03	3.05E−07	1.13E+00	1.13E−01
770	5.03E+01	4.84E+01	8.83E−04	2.41E−07	1.21E+00	9.81E−02
780	5.26E+01	4.61E+01	7.42E−04	1.91E−07	1.29E+00	8.51E−02
790	5.48E+01	4.37E+01	6.23E−04	1.50E−07	1.38E+00	7.36E−02
800	5.70E+01	4.15E+01	5.22E−01	1.18E−07	1.47E+00	6.36E−02

D—82; LAT—40, LON—45; LT—12; *F*—150; *FΔV*—150; A_p—100; UT1—9

80	5.42E−04	1.29E−03	2.06E+01	8.75E−01	1.45E−05	7.83E+01
90	6.04E−04	3.31E−01	2.03E+01	8.20E−01	9.23E−05	7.85E+01
100	9.52E−04	3.74E+00	1.82E+01	6.69E−01	1.46E−04	7.74E+01
110	2.34E−03	1.09E+01	1.38E+01	4.42E−01	3.02E−04	7.48E+01
120	5.72E−03	1.84E+01	9.85E+00	2.82E−01	4.70E−04	7.14E+01
130	1.21E−02	2.43E+01	7.62E+00	1.90E−01	5.23E−04	6.79E+01
140	2.08E−02	2.89E+01	6.44E+00	1.36E−01	5.09E−04	6.45E+01
150	3.04E−02	3.31E+01	5.68E+00	1.01E−01	4.86E−04	6.11E+01
160	4.14E−02	3.69E+01	5.08E+00	7.81E−02	4.80E−04	5.79E+01
170	5.43E−02	4.06E+01	4.57E+00	6.19E−02	4.98E−04	5.47E+01
180	6.92E−02	4.41E+01	4.12E+00	5.00E−02	5.41E−04	5.17E+01
190	8.65E−02	4.75E+01	3.71E+00	4.09E−02	6.10E−04	4.87E+01
200	1.06E−01	5.08E+01	3.34E+00	3.36E−02	7.05E−04	4.57E+01

Продолжение табл. 17

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H S, %	N_2 S, %
210	1.29E—01	5.40E+01	3.01E+00	2.78E—02	8.29E—04	4.29E+01
220	1.55E—01	5.70E+01	2.70E+00	2.30E—02	9.84E—04	4.01E+01
230	1.84E—01	6.00E+01	2.43E+00	1.90E—02	1.17E—03	3.74E+01
240	2.17E—01	6.28E+01	2.17E+00	1.58E—02	1.40E—03	3.48E+01
250	2.55E—01	6.54E+01	1.94E+00	1.31E—02	1.67E—03	3.24E+01
260	2.97E—01	6.80E+01	1.73E+00	1.08E—02	1.99E—03	3.00E+01
270	3.44E—01	7.04E+01	1.55E+00	8.96E—03	2.36E—03	2.77E+01
280	3.98E—01	7.26E+01	1.38E+00	7.40E—03	2.79E—03	2.56E+01
290	4.57E—01	7.47E+01	1.22E+00	6.11E—03	3.29E—03	2.36E+01
300	5.24E—01	7.67E+01	1.08E+00	5.04E—03	3.87E—03	2.17E+01
310	5.97E—01	7.85E+01	9.58E—01	4.15E—03	4.53E—03	1.99E+01
320	6.80E—01	8.02E+01	8.48E—01	3.41E—03	5.29E—03	1.83E+01
330	7.72E—01	8.18E+01	7.49E—01	2.81E—03	6.17E—03	1.67E+01
340	8.76E—01	8.32E+01	6.61E—01	2.31E—03	7.17E—03	1.53E+01
350	9.88E—01	8.45E+01	5.83E—01	1.90E—03	8.32E—03	1.40E+01
360	1.11E+00	8.56E+01	5.13E—01	1.56E—03	9.63E—03	1.27E+01
370	1.25E+00	8.67E+01	4.51E—01	1.28E—03	1.11E—02	1.16E+01
380	1.41E+00	8.76E+01	3.97E—01	1.05E—03	1.28E—02	1.06E+01
390	1.58E+00	8.85E+01	3.48E—01	8.56E—04	1.48E—02	9.60E+00
400	1.77E+00	8.92E+01	3.06E—01	7.01E—04	1.70E—02	8.72E+00
410	1.97E+00	8.98E+01	2.68E—01	5.73E—04	1.95E—02	7.92E+00
420	2.20E+00	9.04E+01	2.35E—01	4.69E—04	2.23E—02	7.18E+00
430	2.45E+00	9.08E+01	2.06E—01	3.84E—04	2.55E—02	6.51E+00
440	2.73E+00	9.12E+01	1.80E—01	3.13E—04	2.91E—02	5.90E+00
450	3.03E+00	9.14E+01	1.58E—01	2.56E—04	3.31E—02	5.34E+00
460	3.37E+00	9.16E+01	1.38E—01	2.09E—04	3.77E—02	4.83E+00
470	3.73E+00	9.17E+01	1.20E—01	1.71E—04	4.29E—02	4.37E+00
480	4.13E+00	9.18E+01	1.05E—01	1.40E—04	4.88E—02	3.95E+00
490	4.57E+00	9.17E+01	9.19E—02	1.14E—04	5.53E—02	3.57E+00
500	5.06E+00	9.16E+01	8.02E—02	9.29E—05	6.27E—02	3.22E+00
510	5.57E+00	9.14E+01	7.00E—02	7.58E—05	7.09E—02	2.90E+00
520	6.14E+00	9.11E+01	6.10E—02	6.18E—05	8.01E—02	2.62E+00
530	6.76E+00	9.07E+01	5.32E—02	5.04E—05	9.04E—02	2.36E+00
540	7.44E+00	9.03E+01	4.63E—02	4.11E—05	1.02E—01	2.13E+00
550	8.17E+00	8.98E+01	4.03E—02	3.35E—05	1.15E—01	1.91E+00
560	8.96E+00	8.92E+01	3.51E—02	2.73E—05	1.29E—01	1.72E+00
570	9.81E+00	8.85E+01	3.05E—02	2.22E—05	1.45E—01	1.55E+00
580	1.07E+01	8.77E+01	2.65E—02	1.81E—05	1.62E—01	1.39E+00
590	1.17E+01	8.68E+01	2.30E—02	1.47E—05	1.82E—01	1.25E+00
600	1.28E+01	8.59E+01	2.00E—02	1.20E—05	2.03E—01	1.12E+00
610	1.39E+01	8.48E+01	1.73E—02	9.71E—06	2.27E—01	1.00E+00
620	1.52E+01	8.37E+01	1.50E—02	7.88E—06	2.53E—01	8.96E—01
630	1.65E+01	8.25E+01	1.30E—02	6.40E—06	2.81E—01	8.01E—01
640	1.78E+01	8.11E+01	1.12E—02	5.18E—06	3.12E—01	7.15E—01
650	1.93E+01	7.97E+01	9.71E—03	4.20E—06	3.46E—01	6.38E—01
660	2.08E+01	7.82E+01	8.38E—03	3.40E—06	3.83E—01	5.69E—01
670	2.25E+01	7.66E+01	7.22E—03	2.75E—06	4.23E—01	5.06E—01

Продолжение табл. 17

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H S,	N_2 S, %
680	2.42E+01	7.49E+01	6.21E- 03	2 92F—06	4.67E—01	4,49E—01
690	2.60E+01	7.31E+01	5.34E—03	1,79E—06	5.13E—01	3 99E—01
700	2.78E+01	7.12E+01	4.58E—03	1.44E—06	5.63E—01	3.53E—01
710	2.98E+01	6.93E+01	3.93E- 03	1.16E- 06	6.17E - 01	3.12E—01
720	3.18E+01	6.73E+01	3.36E—03	9.30E—07	6.74E—01	2.76E—01
730	3.38E+01	6.52E+01	2.87E—03	7.46E—07	7.35E -01	2.43E—01
740	3.60E+01	6.30E+01	2.45E—03	5.98L- 07	8.00E—01	2,14E—01
750	3.81E+01	6.08E+01	2.08E—03	4,78E- 07	8,68E -01	1,88E—01
760	4.03E+01	5.86E+01	1.77E—03	3.82E—07	9.40E—01	1.65E—01
770	4.25E+01	5.63E+01	1.50E—03	3 04E—07	1 02E+00	1.44E—01
780	4.48E+01	5.40E+01	1.27E—03	2.42E—07	1.09E+00	1.26E—01
790	4.70E+01	5.17E+01	1.08E—03	1.93E—07	1.18E+00	1.10E—01
800	4.93E+01	4.94E+01	9.09E—04	1,53E—07	1.26E+00	9.58E—02

D—82; LAT—80; LON—45; LT—12; *F*—150; *FAV*—150; A_p—100; UTI—9

80	5.37E - 04	1.03E 03	2.09E+01	9.62E— 01	1.38E- 05	7.82E+01
90	5.88E—04	2.57E—01	2.06E+01	9.59E—01	8.55E—05	7.82E+01
100	9.47E 04	2.85E+00	1.91E+01	8.49E- 01	1.44E —01	7.72E+01
110	2.11E—03	7 67E+00	1.64E+01	6.79E—01	2.62E —01	7.52E+01
120	3.94E—03	1.20E+01	1.40E+01	5.53E—01	3.26E—01	7.35E+01
130	6.03E—03	1.51E+01	1.24E+01	4.69E—01	3.38E—01	7.20E+01
140	8 57E -03	1.76E+01	1.13E+01	4.06E—01	3.17E -01	7.07E+01
150	1.21E—02	1 98E+01	1.05E+01	3.55E—01	2.96E 01	6.93E+01
160	1.65E—02	2.19E+01	9 80E+00	3.10E 01	2.90E- 01	6,80E+01
170	2.19E—02	2.39E+01	9.17E+00	2.70E—01	3.00E—01	6.66E+01
180	2.83E—02	2 60E+01	8,60E+00	2.35E—01	3.28E—01	6.52E+01
190	3.59E -02	2.81E+01	8.07E+00	2.05E—01	3.73E—01	6.36E+01
200	4.49E—02	3 02E+01	7.56E+00	1 78E—01	4.37E—01	6.20E+01
210	5.54E —02	3.24E+01	7.09E+00	1.55E—01	5.21E- 01	6.03E+01
220	6.79E—02	3 46E+01	6.62E+00	1,35E—01	6.29E—01	5 86E+01
230	8.24E—02	3.69E+01	6.18E+00	1.17E—01	7.63E—01	5.67E+01
240	9.93E—02	3.93E+01	5.76E+00	1,01E- 01	9.27E—01	5.47E+01
250	1.19E—01	4.17E+01	5.35E+00	8.80E—02	1.13E -03	5.27E+01
260	1.42E—01	4.42E+01	4.97E+00	7.60E—02	1.36E—03	5.07E+01
270	1.67E—01	4.66E+01	4.59E+00	6.56E— 02	1.65E—03	4.85E+01
280	1.97E—01	4.91E+01	4.24E+00	5.66E—02	1.99E—03	4.64E+01
290	2.31E—01	5.16E+01	3.91E+00	4.87E—02	2.38E—03	4.42E+01
300	2.70E—01	5.41E+01	3.59E+00	4.18E—02	2.85E—03	4.20E+01
310	3.16E—01	5.61E+01	3.32E+00	3.61E—02	3.42E—03	4.02E+01
320	3.65E—01	5.86E+01	3.03E+00	3.08E—02	4.05E—03	3.79E+01
330	4.21E—01	6.10E+01	2.76E+00	2.63E—02	4.78E—03	3.58E+01
340	4.83E—01	6.34E+01	2.51E+00	2.24E- 02	5.62E—03	3.36E+01
350	5.53E—01	6.56E+01	2.28E+00	1,90E—02	6.59E—03	3.15E+01
360	6.30E—01	6.78E+01	2.06E+00	1.61E—02	7.71E— 03	2.95E+01
370	7.17E—01	6.99E+01	1.87E+00	1.36E—02	8.99E—03	2.75E+01
380	8.13E—01	7.18E+01	1.68E+00	1.15E—02	1 04E—02	2.57E+01
390	9.20E—01	7.37E+01	1.52E+00	9.73E—03	1.21E —02	2.39E+01
400	1 04E+00	7.54E+01	1.36E+00	8.20E—03	1 40E—02	2.22E+01

Продолжение табл. 17

z, км	He/S, %	O/S, %	O_2/S %	Ar/S, %	H S, %	N_2 S, %
410	1.17E+00	7.70E+01	1.22E+00	6,90E-03	1.61E—07	2.06E+01
420	1.31E+00	7.85E+01	1.10E+00	5.80E—03	1.86E—02	1.90E+01
430	1.47E+00	7.99E+01	9.82E-01	4.87E-03	2.13E—02	1.76E+01
440	1.64E+00	8.12E+01	8.78E—01	4.08E—03	2.44E—02	1.62E+01
450	1.84E+00	8.24E+01	7.84E—01	3.42E—03	2.79E—02	1.50E+01
460	2.05E+00	8.34E+01	6.99E—01	2.86E—03	3.19E—02	1.38E+01
470	2.28E+00	8.44E+01	6.23E—01	2.39E—03	3.63E—02	1.27E+01
480	2.53E+00	8.52E+01	5.54E—01	2.00E—03	4.13E—02	1.16E+01
490	2.80E+00	8.60E+01	4.93E-01	1.67E—03	4.69E—02	1.07E+01
500	3.10E+00	8.66E+01	4.38E—01	1.39E—03	5.31E—02	9.80E+00
510	3.43E+00	8.71E+01	3.89E—01	1.16E—03	6.01E—02	8.98E+00
520	3.78E+00	8.76E+01	3.45E—01	9.68E—04	6.79E—02	8.22E+00
530	4.17E+00	8.79E+01	3.06E—01	8.06E—04	7.66E—02	7.51E+00
540	4.59E+00	8.82E+01	2.71E—01	6.71E—04	8.63E—02	6.87E+00
550	5.05E+00	8.83E+01	2.40E—01	5.59E—04	9.71E—02	6.27E+00
560	5.54E+00	8.84E+01	2.12E—01	4.65E—04	1.09E—01	5.72E+00
570	6.08E+00	8.84E+01	1.87E—01	3.86E—04	1.22E—01	5.21E+00
580	6.65E+00	8.83E+01	1.66E—01	3.21E—04	1.37E—01	4.75E+00
590	7.28E+00	8.81E+01	1.46E—01	2.66E—04	1.54E—01	4.32E+00
600	7.95E+00	8.78E+01	1.29E—01	2.21E—04	1.72E—01	3.93E+00
610	8.67E+00	8.74E+01	1.14E—01	1.84E—04	1.92E—01	3.58E+00
620	9.45E+00	8.70E+01	1.00E—01	1.52E—04	2.13E—01	3.25E+00
630	1.03E+01	8.64E+01	8.83E—02	1.26E—04	2.38E—01	2.95E+00
640	1.12E+01	8.58E+01	7.77E—02	1.05E—04	2.64E—01	2.67E+00
650	1.21E+01	8.51E+01	6.83E—02	8.65E—05	2.93E—01	2.42E+00
660	1.31E+01	8.43E+01	6.00E—02	7.16E—05	3.25E—01	2.19E+00
670	1.42E+01	8.34E+01	5.27E—02	5.92E—05	3.60E—01	1.98E+00
680	1.54E+01	8.24E+01	4.62E—02	4.89E—05	3.97E—01	1.79E+00
690	1.66E+01	8.13E+01	4.05E—02	4.04E—05	4.38E—01	1.62E+00
700	1.79E+01	8.02E+01	3.54E—02	3.33E—05	4.83E—01	1.46E+00
710	1.92E+01	7.89E+01	3.10E—02	2.75E—05	5.31E—01	1.31E+00
720	2.06E+01	7.76E+01	2.71E—02	2.26E—05	5.83E—01	1.18E+00
730	2.21E+01	7.62E+01	2.36E—02	1.86E—05	6.39E—01	1.06E+00
740	2.37E+01	7.47E+01	2.06E—02	1.53E—05	6.99E—01	9.54E—01
750	2.53E+01	7.31E+01	1.79E—02	1.26E—05	7.64E—01	8.56E—01
760	2.70E+01	7.14E+01	1.56E—02	1.03E—05	8.32E—01	7.66E—01
770	2.87E+01	6.97E+01	1.36E—02	8.46E—06	9.06E—01	6.85E—01
780	3.05E+01	6.79E+01	1.18E—02	6.93E—06	9.84E—01	6.12E—01
790	3.24E+01	6.60E+01	1.02E—02	5.66E—06	1.07E+00	5.46E—01
800	3.43E+01	6.41E+01	8.82E—03	4.63E—06	1.15E+00	4.86E—01

D—82; LAT—40; LON—45; LT—12; F—150; $F\Delta V$—150; A_p—100; UT1—9

80	5.45E—01	1.28E—03	2.08E+01	9.29E—01	1.48E—05	7.82E+01
90	6.07E—04	3.27E—01	2.04E+01	9.07E—01	9.39E—05	7.83E+01
100	9.46E—04	3.67E+00	1.86E+01	7.86E—01	1.45E—04	7.70E+01

Продолжение табл. 17

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H S, %	N_2 S, %
110	2.36E—03	1.07E+01	1.47E+01	5.55E—01	3.10E—04	7.40E+01
120	5.72E—03	1.82E+01	1.11E+01	3.84E—01	5.02E—04	7.03E+01
130	1.06E—02	2.40E+01	8.95E+00	2.87E—01	5.63E—04	6.68E+01
140	1.69E—02	2.86E+01	7.71E+00	2.23E—01	5.91E—04	6.34E+01
150	2.43E—02	3.27E+01	6.84E+00	1.79E—01	5.30E—04	6.03E+01
160	3.31E—02	3.65E+01	6.16E+00	1.45E—01	5.25E—04	5.72E+01
170	4.33E—02	4.00E+01	5.56E+00	1.19E—01	5.45E—04	5.43E+01
180	5.52E—02	4.35E+01	5.03E+00	9.88E—02	5.91E—04	5.14E+01
190	6.88E—02	4.68E+01	4.55E+00	8.21E—02	6.65E—04	4.85E+01
200	8.43E—02	4.99E+01	4.12E+00	6.85E—02	7.67E—04	4.58E+01
210	1.02E—01	5.30E+01	3.73E+00	5.72E—02	8.99E—04	4.31E+01
220	1.22E—01	5.60E+01	3.37E+00	4.79E—02	1.06E—03	4.05E+01
230	1.44E—01	5.88E+01	3.04E+00	4.01E—02	1.26E—03	3.80E+01
240	1.70E—01	6.15E+01	2.75E+00	3.36E—02	1.50E—03	3.55E+01
250	1.98E—01	6.41E+01	2.47E+00	2.82E—02	1.77E—03	3.32E+01
260	2.30E—01	6.66E+01	2.22E+00	2.36E—02	2.10E—03	3.09E+01
270	2.66E—01	6.90E+01	2.00E+00	1.97E—02	2.48E—03	2.88E+01
280	3.06E—01	7.12E+01	1.79E+00	1.65E—02	2.92E—03	2.67E+01
290	3.50E—01	7.33E+01	1.60E+00	1.38E—02	3.42E—03	2.48E+01
300	3.99E—01	7.52E+01	1.43E+00	1.15E—02	3.99E—03	2.29E+01
310	4.53E—01	7.71E+01	1.28E+00	9.58E—03	4.65E—03	2.12E+01
320	5.14E—01	7.88E+01	1.14E+00	7.99E—03	5.40E—03	1.95E+01
330	5.80E—01	8.04E+01	1.02E+00	6.65E—03	6.25E—03	1.80E+01
340	6.54E—01	8.18E+01	9.06E—01	5.54E—03	7.23E—03	1.66E+01
350	7.36E—01	8.32E+01	8.06E—01	4.61E—03	8.33E—03	1.53E+01
360	8.25E—01	8.44E+01	7.16E—01	3.83E—03	9.59E—03	1.40E+01
370	9.24E—01	8.56E+01	6.36E—01	3.18E—03	1.10E—02	1.29E+01
380	1.03E+00	8.66E+01	5.64E—01	2.64E—03	1.26E—02	1.18E+01
390	1.15E+00	8.75E+01	5.00E—01	2.19E—03	1.44E—02	1.08E+01
400	1.28E+00	8.84E+01	4.43E—01	1.82E—03	1.65E—02	9.88E+00
410	1.43E+00	8.91E+01	3.92E—01	1.51E—03	1.88E—02	9.04E+00
420	1.59E+00	8.98E+01	3.47E—01	1.25E—03	2.14E—02	8.26E+00
430	1.76E+00	9.04E+01	3.07E—01	1.04E—03	2.43E—02	7.54E+00
440	1.95E+00	9.09E+01	2.71E—01	8.60E—04	2.76E—02	6.89E+00
450	2.16E+00	9.13E+01	2.39E—01	7.12E—04	3.12E—02	6.28E+00
460	2.38E+00	9.16E+01	2.11E—01	5.90E—04	3.54E—02	5.73E+00
470	2.63E+00	9.19E+01	1.87E—01	4.89E—04	4.00E—02	5.22E+00
480	2.90E+00	9.21E+01	1.65E—01	4.05E—04	4.52E—02	4.76E+00
490	3.20E+00	9.23E+01	1.45E—01	3.35E—04	5.09E—02	4.33E+00
500	3.52E+00	9.24E+01	1.28E—01	2.77E—04	5.74E—02	3.94E+00
510	3.87E+00	9.24E+01	1.13E—01	2.30E—04	6.46E—02	3.59E+00
520	4.25E+00	9.23E+01	9.95E—02	1.90E—04	7.27E—02	3.26E+00
530	4.66E+00	9.22E+01	8.77E—02	1.57E—04	8.17E—02	2.97E+00
540	5.11E+00	9.20E+01	7.72E—02	1.30E—04	9.17E—02	2.69E+00
550	5.60E+00	9.18E+01	6.80E—02	1.08E—04	1.03E—01	2.45E+00
560	6.13E+00	9.15E+01	5.99E—02	8.90E—05	1.15E—01	2.22E+00
570	6.70E+00	9.11E+01	5.27E—02	7.36E—05	1.29E—01	2.02E+00
580	7.31E+00	9.07E+01	4.63E—02	6.08E—05	1.44E—01	1.83E+00
590	7.98E+00	9.02E+01	4.07E—02	5.03E—05	1.61E—01	1.66E+00
600	8.69E+00	8.96E+01	3.58E—02	4.16E—05	1.79E—01	1.50E+00

Продолжение табл. 17

z, км	He/S,	O/S,	O_2/S *,	Ar/S, *	H S, %	N_2 S, %
610	9.46E+00	8.89E+01	3.14E—02	3.43E—05	1.99E—01	1.36E+00
620	1.03E+01	8.82E+01	2.76E—02	2.84E—05	2.22E—01	1.23E+00
630	1.12E+01	8.74E+01	2.42E—02	2.34E—05	2.46E—01	1.11E+00
640	1.21E+01	8.66E+01	2.12E—02	1.93E—05	2.73E—01	1.01E+00
650	1.31E+01	8.56E+01	1.86E—02	1.59E—05	3.03E—01	9.10E—01
660	1.42E+01	8.46E+01	1.63E—02	1.31E—05	3.35E—01	8.21E—01
670	1.53E+01	8.35E+01	1.43E—02	1.08E—05	3.71E—01	7.41E—01
680	1.65E+01	8.24E+01	1.25E—02	8.91E—06	4.09E—01	6.67E—01
690	1.78E+01	8.11E+01	1.09E—02	7.33E—06	4.50E—01	6.01E—01
700	1.92E+01	7.98E+01	9.51E—03	6.03E—06	4.96E—01	5.40E—01
710	2.06E+01	7.84E+01	8.29E—03	1.95E—06	5.44E—01	4.85E—01
720	2.21E+01	7.69E+01	7.22E—03	4.07E—06	5.97E—01	4.36E—01
730	2.36E+01	7.53E+01	6.28E—03	3.34E—06	6.53E—01	3.90E—01
740	2.53E+01	7.37E+01	5.46E—03	2.73E—06	7.14E—01	3.50E—01
750	2.70E+01	7.19E+01	4.74E—03	2.24E—06	7.78E—01	3.13E—01
760	2.87E+01	7.02E+01	4.11E—03	1.83E—06	8.48E—01	2.79E—01
770	3.05E+01	6.83E+01	3.56E—03	1.49E—06	9.21E—01	2.49E—01
780	3.24E+01	6.64E+01	3.08E—03	1.22E—06	9.99E—01	2.22E—01
790	3.43E+01	6.44E+01	2.66E—03	9.94E—07	1.08E+00	1.97E—01
800	3.62E+01	6.24E+01	2.30E—03	8.09E—07	1.17E+00	1.75E—01

D- 82, LAT 80, LON 45 LT -12; *F* -150; *WA1* 150; Λ_0 -100, UTI—9

80	5.45E—04	9.75E—04	2.09E+01	9.65E—01	1.52E—05	7.81E+01
90	5.99E—04	2.40E—01	2.08E+01	9.65E—01	9.58E—05	7.80E+01
100	9.41E—04	2.62E+00	1.97E+01	8.64E—01	1.55E—01	7.68E+01
110	2.15E—03	7.10E+00	1.77E+01	6.79E—01	3.08E—01	7.45E+01
120	3.87E—03	1.10E+01	1.62E+01	5.47E—01	4.23E—01	7.22E+01
130	4.43E—03	1.39E+01	1.50E+01	4.65E—01	4.60E—01	7.06E+01
140	5.21E—03	1.61E+01	1.40E+01	4.07E—01	4.51E—01	6.95E+01
150	7.12E—03	1.80E+01	1.31E+01	3.60E—01	4.38E—01	6.85E+01
160	9.70E—03	1.98E+01	1.24E+01	3.19E—01	4.41E—01	6.75E+01
170	1.28E—02	2.15E+01	1.17E+01	2.82E—01	4.65E—01	6.66E+01
180	1.66E—02	2.31E+01	1.11E+01	2.49E—01	5.13E—01	6.55E+01
190	2.10E—02	2.48E+01	1.05E+01	2.20E—01	5.87E—01	6.45E+01
200	2.61E—02	2.66E+01	9.91E+00	1.94E—01	6.88E—01	6.33E+01
210	3.20E—02	2.84E+01	9.39E+00	1.72E—01	8.18E—01	6.21E+01
220	3.90E—02	3.02E+01	8.88E+00	1.52E—01	9.82E—01	6.07E+01
230	4.70E—02	3.21E+01	8.39E+00	1.34E—01	1.18E—03	5.94E+01
240	5.62E—02	3.40E+01	7.92E+00	1.19E—01	1.42E—03	5.79E+01
250	6.68E—02	3.60E+01	7.46E+00	1.05E—01	1.71E—03	5.63E+01
260	7.88E—02	3.81E+01	7.02E+00	9.31E—02	2.05E—03	5.47E+01
270	9.25E—02	4.02E+01	6.60E+00	8.22E—02	2.46E—03	5.31E+01
280	1.08E—01	4.23E+01	6.19E+00	7.25E—02	2.92E—03	5.13E+01
290	1.25E—01	4.44E+01	5.80E+00	6.39E—02	3.47E—03	4.96E+01
300	1.45E—01	4.66E+01	5.42E+00	5.63E—02	4.10E—03	4.78E+01

Продолжение табл. 17

z, км	H_2/S, %	O/S, %	O_2/S	Ar/S, %	$H\,S$, %	$N_2\,S$, %
310	1.69E—01	4.83E+01	5.11E+00	5.00E—02	4.88E—03	4.64E+01
320	1.94E—01	5.05E+01	4.76E+00	4.39E—02	5.71E—03	4.45E+01
330	2.21E—01	5.28E+01	4.42E+00	3.84E—02	6.67E—03	4.25E+01
340	2.52E—01	5.50E+01	4.10E+00	3.36E—02	7.76E—03	4.06E+01
350	2.86E—01	5.72E+01	3.79E+00	2.94E—02	9.00E—03	3.87E+01
360	3.24E—01	5.93E+01	3.51E+00	2.56E—02	1.04E—02	3.68E+01
370	3.66E—01	6.14E+01	3.24E+00	2.23E—02	1.20E—02	3.50E+01
380	4.12E—01	6.34E+01	2.98E+00	1.94E—02	1.38E—02	3.32E+01
390	4.63E—01	6.54E+01	2.75E+00	1.69E—02	1.58E—02	3.14E+01
400	5.18E—01	6.72E+01	2.52E+00	1.47E—02	1.81E—02	2.97E+01
410	5.79E—01	6.91E+01	2.32E+00	1.27E—02	2.07E—02	2.80E+01
420	6.46E—01	7.08E+01	2.12E+00	1.10E—02	2.36E—02	2.64E+01
430	7.20E—01	7.25E+01	1.94E+00	9.55E—03	2.68E—02	2.48E+01
440	7.99E—01	7.40E+01	1.78E+00	8.26E—03	3.04E—02	2.34E+01
450	8.86E—01	7.55E+01	1.62E+00	7.13E—03	3.44E—02	2.19E+01
460	9.81E—01	7.69E+01	1.48E+00	6.16E—03	3.89E—02	2.06E+01
470	1.08E+00	7.83E+01	1.35E+00	5.31E—03	4.39E—02	1.93E+01
480	1.20E+00	7.95E+01	1.23E+00	4.57E—03	4.95E—02	1.80E+01
490	1.32E+00	8.07E+01	1.12E+00	3.94E—03	5.56E—02	1.68E+01
500	1.45E+00	8.17E+01	1.01E+00	3.39E—03	6.24E—02	1.57E+01
510	1.59E+00	8.27E+01	9.20E—01	2.91E—03	7.00E—02	1.47E+01
520	1.75E+00	8.37E+01	8.35E—01	2.50E—03	7.83E—02	1.37E+01
530	1.91E+00	8.45E+01	7.57E—01	2.15E—03	8.75E—02	1.27E+01
540	2.09E+00	8.53E+01	6.86E—01	1.85E—03	9.77E—02	1.19E+01
550	2.29E+00	8.60E+01	6.21E—01	1.58E—03	1.09E—01	1.10E+01
560	2.49E+00	8.66E+01	5.62E—01	1.36E—03	1.21E—01	1.02E+01
570	2.72E+00	8.71E+01	5.08E—01	1.17E—03	1.35E—01	9.52E+00
580	2.96E+00	8.76E+01	4.59E—01	9.99E—04	1.50E—01	8.84E+00
590	3.22E+00	8.80E+01	4.15E—01	8.56E—04	1.66E—01	8.20E+00
600	3.50E+00	8.83E+01	3.75E—01	7.33E—04	1.84E—01	7.60E+00
610	3.80E+00	8.86E+01	3.38E—01	6.28E—04	2.04E—01	7.05E+00
620	4.12E+00	8.88E+01	3.05E—01	5.37E—04	2.26E—01	6.53E+00
630	4.47E+00	8.90E+01	2.75E—01	4.60E—04	2.50E—01	6.04E+00
640	4.84E+00	8.90E+01	2.48E—01	3.94E—04	2.76E—01	5.59E+00
650	**5.23E+00**	8.91E+01	2.24E—01	3.37E—04	3.04E—01	5.17E+00
660	5.65E+00	8.90E+01	2.01E—01	2.88E—04	3.35E—01	4.78E+00
670	6.10E+00	8.89E+01	1.81E—01	2.46E—04	3.69E—01	4.42E+00
680	6.59E+00	8.88E+01	1.63E—01	2.10E—04	4.06E—01	4.08E+00
690	7.10E+00	8.85E+01	1.47E—01	1.80E—04	4.46E—01	3.77E+00
700	7.64E+00	8.83E+01	1.32E—01	1.54E—04	4.89E—01	3.48E+00
710	8.22E+00	8.79E+01	1.19E—01	1.31E—04	5.36E—01	3.21E+00
720	8.83E+00	8.75E+01	1.07E—01	1.12E—04	5.88E—01	2.96E+00
730	9.48E+00	8.70E+01	9.59E—02	9.57E—05	6.43E—01	2.73E+00
740	1.02E+01	8.65E+01	8.61E—02	8.16E—05	7.03E—01	2.51E+00
750	1.09E+01	8.59E+01	7.73E—02	6.97E—05	7.68E—01	2.31E+00
760	1.17E+01	8.53E+01	6.94E—02	5.94E—05	8.38E—01	2.13E+00
770	1.25E+01	8.46E+01	6.22E—02	5.06E—05	9.13E—01	1.96E+00
780	1.33E+01	8.38E+01	5.57E—02	4.32E—05	9.94E—01	1.80E+00
790	1.42E+01	8.30E+01	4.99E—02	3.68E—05	1.08E+00	1.65E+00
800	1.52E+01	8.21E+01	4.47E—02	3.13E—05	1.17E+00	1.51E+00

Таблица 18

Широтные вариации состава при высокой солнечной активности для условий весеннего равноденствия в северном и осеннего в южном полушариях

z, км	H_2/S	O/S	O_2/S	N_2/S	HS_+	N_2S_+
D—82; LAT—0; LON—45; LT—12; *F*—200; *FAV*—200; A_p—100; UT1—9						
80	5.54E—04	1.36E—03	2.08E+01	8.96E—01	1.41E—05	7.83E+01
90	6.16E—04	3.52E—01	2.02E+01	8.60E—01	8.49E—03	7.86E+01
100	9.54E—04	3.97E+00	1.78E+01	7.27E—01	1.20E—01	7.75E+01
110	2.47E—03	1.22E+01	1.27E+01	4.70E—01	2.59E—04	7.16E+01
120	5.42E—03	2.09E+01	8.44E+00	3.05E—01	3.46E—04	7.03E+01
130	1.21E—02	2.71E+01	6.29E+00	2.19E—01	3.31E—04	6.64E+01
140	2.35E—02	3.20E+01	5.21E+00	1.62E—01	3.00E—04	6.26E+01
150	3.56E—02	3.65E+01	4.53E+00	1.23E—01	2.80E—04	5.88E+01
160	4.94E—02	4.08E+01	4.00E+00	9.60E—02	2.77E—04	5.51E+01
170	6.55E—02	4.48E+01	3.56E+00	7.60E—02	2.89E—04	5.15E+01
180	8.40E—02	4.86E+01	3.17E+00	6.12E—02	3.16E—04	4.81E+01
190	1.06E—01	5.22E+01	2.82E+00	4.95E—02	3.60E—04	4.48E+01
200	1.30E—01	5.55E+01	2.52E+00	4.05E—02	4.16E—04	4.18E+01
210	1.57E—01	5.87E+01	2.26E+00	3.34E—02	4.87E—04	3.89E+01
220	1.86E—01	6.16E+01	2.02E+00	2.77E—02	5.74E—04	3.62E+01
230	2.19E—01	6.43E+01	1.81E+00	2.30E—02	6.76E—04	3.36E+01
240	2.56E—01	6.69E+01	1.62E+00	1.92E—02	7.95E—04	3.12E+01
250	2.96E—01	6.92E+01	1.45E+00	1.60E—02	9.33E—04	2.90E+01
260	3.39E—01	7.14E+01	1.30E+00	1.34E—02	1.09E—03	2.69E+01
270	3.87E—01	7.35E+01	1.17E+00	1.13E—02	1.27E—03	2.50E+01
280	4.39E—01	7.53E+01	1.05E+00	9.45E—03	1.47E—03	2.32E+01
290	4.95E—01	7.71E+01	9.41E—01	7.91E—03	1.70E—03	2.15E+01
300	5.57E—01	7.87E+01	8.44E—01	6.68E—03	1.95E—03	1.99E+01
310	6.21E—01	8.03E+01	7.53E—01	5.60E—03	2.23E—03	1.83E+01
320	6.95E—01	8.17E+01	6.75E—01	4.71E—03	2.55E—03	1.69E+01
330	7.76E—01	8.30E+01	6.05E—01	3.96E—03	2.91E—03	1.57E+01
340	8.64E—01	8.41E+01	5.41E—01	3.33E—03	3.32E—03	1.45E+01
350	9.62E—01	8.52E+01	4.84E—01	2.80E—03	3.78E—03	1.33E+01
360	1.07E+00	8.62E+01	4.33E—01	2.35E—03	4.30E—03	1.23E+01
370	1.18E+00	8.71E+01	3.86E—01	1.98E—03	4.88E—03	1.13E+01
380	1.31E+00	8.79E+01	3.45E—01	1.66E—03	5.53E—03	1.04E+01
390	1.45E+00	8.86E+01	3.08E—01	1.39E—03	6.25E—03	9.59E+00
400	1.59E+00	8.93E+01	2.75E—01	1.17E—03	7.03E—03	8.84E+00
410	1.76E+00	8.97E+01	2.47E—01	9.81E—04	7.93E—03	8.12E+00
420	1.94E+00	9.01E+01	2.19E—01	8.25E—04	8.93E—03	7.45E+00
430	2.13E+00	9.08E+01	1.95E—01	6.92E—04	1.01E—02	6.84E+00
440	2.34E+00	9.12E+01	1.73E—01	5.80E—04	1.13E—02	6.28E+00
450	2.57E+00	9.15E+01	1.54E—01	4.86E—04	1.27E—02	5.76E+00
460	2.82E+00	9.18E+01	1.37E—01	4.07E—04	1.42E—02	5.28E+00
470	3.09E+00	9.19E+01	1.22E—01	3.41E—04	1.60E—02	4.84E+00
480	3.38E+00	9.21E+01	1.08E—01	2.86E—04	1.79E—02	4.43E+00
490	3.70E+00	9.21E+01	9.64E—02	2.40E—04	2.00E—02	4.06E+00
500	4.04E+00	9.21E+01	8.57E—02	2.01E—04	2.23E—02	3.71E+00

Продолжение табл. 18

z, км	He_2S, %	O_2S, %	O_3S, %	N_2S, %	HS, %	NS, %
510	4.41E+00	9.21E+01	7.61E—02	1.68E—04	2.49E—02	3.40E+00
520	4.82E+00	9.20E+01	6.76E—02	1.41E—04	2.78E—02	3.11E+00
530	5.25E+00	9.18E+01	6.01E—02	1.18E—04	3.09E—02	2.84E+00
540	5.71E+00	9.16E+01	5.33E—02	9.88E—05	3.44E—02	2.60E+00
550	6.22E+00	9.13E+01	4.73E—02	8.27E—05	3.83E—02	2.37E+00
560	6.76E+00	9.10E+01	4.20E—02	6.93E—05	4.25E—02	2.17E+00
570	7.34E+00	9.06E+01	3.72E—02	5.80E—05	4.72E—02	1.98E+00
580	7.96E+00	9.01E+01	3.30E—02	4.85E—05	5.23E—02	1.81E+00
590	8.64E+00	8.96E+01	2.39E—02	4.06E—05	5.80E—02	1.65E+00
600	9.34E+00	8.91E+01	2.59E—02	3.40E—05	6.41E—02	1.50E+00
610	1.01E+01	8.84E+01	2.30E—02	2.84E—05	7.09E—02	1.37E+00
620	1.09E+01	8.77E+01	2.03E—02	2.38E—05	7.83E—02	1.25E+00
630	1.18E+01	8.70E+01	1.80E—02	1.99E—05	8.63E—02	1.13E+00
640	1.27E+01	8.61E+01	1.59E—02	1.66E—05	9.51E—02	1.03E+00
650	1.37E+01	8.52E+01	1.41E—02	1.39E—05	1.05E—01	9.38E—01
660	1.47E+01	8.43E+01	1.24E—02	1.16E—05	1.15E—01	8.52E—01
670	1.58E+01	8.33E+01	1.10E—02	9.66E—06	1.26E—01	7.74E—01
680	1.70E+01	8.22E+01	9.67E—03	8.06E—06	1.38E—01	7.02E—01
690	1.82E+01	8.10E+01	8.52E—03	6.72E—06	1.51E—01	6.37E—01
700	1.95E+01	7.97E+01	7.51E—03	5.60E—06	1.65E—01	5.77E—01
710	2.09E+01	7.84E+01	6.61E—03	4.66E—06	1.81E—01	5.22E—01
720	2.23E+01	7.71E+01	5.81E—03	3.88E—06	1.97E—01	4.72E—01
730	2.37E+01	7.56E+01	5.11E—03	3.22E—06	2.14E—01	4.26E—01
740	2.53E+01	7.41E+01	4.48E—03	2.68E—06	2.33E—01	3.85E—01
750	2.69E+01	7.25E+01	3.93E—03	2.22E—06	2.53E—01	3.47E—01
760	2.85E+01	7.09E+01	3.44E—03	1.84E—06	2.74E—01	3.12E—01
770	3.02E+01	6.92E+01	3.01E—03	1.53E—06	2.96E—01	2.81E—01
780	3.19E+01	6.75E+01	2.64E—03	1.26E—06	3.19E—01	2.52E—01
790	3.37E+01	6.57E+01	2.30E—03	1.05E—06	3.44E—01	2.26E—01
800	3.56E+01	6.39E+01	2.01E—03	8.64E—07	3.71E—01	2.03E—01

D—82; LAT—40; LON—45; LT—12; *F*—200; *FAV*—200; A_p—100; UT1—9

80	5.42E—04	1.34E—03	2.08E+01	8.74E—01	1.33E—05	7.83E+01
90	6.07E—04	3.47E—01	2.03E+01	8.19E—01	8.06E—05	7.86E+01
100	9.53E—04	3.94E+00	1.79E+01	6.67E—01	1.20E—04	7.75E+01
110	2.13E—03	1.15E+01	1.33E—01	4.38E—01	2.17E—04	7.47E+01
120	3.96E—03	1.85E+01	9.47E—00	2.98E—01	2.45E—04	7.17E+01
130	8.14E—03	2.37E+01	7.34E+00	2.12E—01	2.21E—04	6.88E+01
140	1.46E—02	2.78E+01	6.27E+00	1.56E—01	1.94E—04	6.58E+01
150	2.15E—02	3.16E+01	5.57E+00	1.18E—01	1.77E—04	6.27E+01
160	2.96E—02	3.54E+01	5.00E+00	9.20E—02	1.73E—04	5.95E+01
170	3.95E—02	3.91E+01	4.50E+00	7.29E—02	1.80E—04	5.62E+01
180	5.12E—02	4.28E+01	4.05E+00	3.87E—02	1.99E—04	5.31E+01
190	6.53E—02	4.64E+01	3.64E+00	4.77E—02	2.29E—04	4.99E+01
200	8.13E—02	4.98E+01	3.27E+00	3.91E—02	2.68E—04	4.68E+01

Продолжение табл. 18

z, км	He S, %	O S, %	O_2S, %	Ar S, %	H S, %	N S, %
210	9.92E−02	5.30E+01	2.95E+00	3.23E−02	3.18E−04	4.39E+01
220	1.20E−01	5.61E+01	2.65E+00	2.69E−02	3.79E−04	4.11E+01
230	1.43E−01	5.90E+01	2.39E+00	2.24E−02	4.52E−04	3.84E+01
240	1.68E−01	6.17E+01	2.15E+00	1.87E−02	5.38E−04	3.59E+01
250	1.96E−01	6.43E+01	1.94E+00	1.57E−02	6.37E−04	3.35E+01
260	2.27E−01	6.68E+01	1.74E+00	1.32E−02	7.52E−04	3.13E+01
270	2.61E−01	6.90E+01	1.57E+00	1.11E−02	8.82E−04	2.91E+01
280	2.98E−01	7.12E+01	1.41E+00	9.36E−03	1.03E−03	2.71E+01
290	3.39E−01	7.32E+01	1.27E+00	7.89E−03	1.20E−03	2.52E+01
300	3.83E−01	7.50E+01	1.15E+00	6.66E−03	1.38E−03	2.34E+01
310	4.30E−01	7.68E+01	1.03E+00	5.59E−03	1.59E−03	2.17E+01
320	4.83E−01	7.85E+01	9.23E−01	4.72E−03	1.83E−03	2.01E+01
330	5.42E−01	8.00E+01	8.29E−01	3.98E−03	2.10E−03	1.87E+01
340	6.07E−01	8.14E+01	7.44E−01	3.35E−03	2.40E−03	1.73E+01
350	6.78E−01	8.27E+01	6.67E−01	2.82E−03	2.75E−03	1.60E+01
360	7.55E−01	8.39E+01	5.97E−01	2.38E−03	3.14E−03	1.48E+01
370	8.40E−01	8.50E+01	5.35E−01	2.00E−03	3.57E−03	1.36E+01
380	9.33E−01	8.60E+01	4.78E−01	1.68E−03	4.06E−03	1.26E+01
390	1.03E+00	8.69E+01	4.27E−01	1.41E−03	4.61E−03	1.16E+01
400	1.14E+00	8.78E+01	3.83E−01	1.19E−03	5.20E−03	1.07E+01
410	1.26E+00	8.85E+01	3.42E−01	1.00E−03	5.88E−03	9.85E+00
420	1.39E+00	8.92E+01	3.05E−01	8.41E−04	6.64E−03	9.06E+00
430	1.54E+00	8.98E+01	2.72E−01	7.06E−04	7.49E−03	8.33E+00
440	1.69E+00	9.04E+01	2.43E−01	5.93E−04	8.44E−03	7.66E+00
450	1.86E+00	9.09E+01	2.16E−01	4.97E−04	9.50E−03	7.03E+00
460	2.05E+00	9.13E+01	1.93E−01	4.17E−04	1.07E−02	6.46E+00
470	2.25E+00	9.16E+01	1.72E−01	3.50E−04	1.20E−02	5.93E+00
480	2.47E+00	9.19E+01	1.53E−01	2.94E−04	1.35E−02	5.44E+00
490	2.71E+00	9.22E+01	1.36E−01	2.46E−04	1.51E−02	4.98E+00
500	2.96E+00	9.23E+01	1.21E−01	2.07E−04	1.69E−02	4.57E+00
510	3.24E+00	9.24E+01	1.08E−01	1.73E−04	1.89E−02	4.19E+00
520	3.54E+00	9.25E+01	9.57E−02	1.45E−04	2.11E−02	3.83E+00
530	3.87E+00	9.25E+01	8.51E−02	1.22E−04	2.36E−02	3.51E+00
540	4.22E+00	9.25E+01	7.57E−02	1.02E−04	2.63E−02	3.21E+00
550	4.60E+00	9.24E+01	6.73E−02	8.56E−05	2.93E−02	2.94E+00
560	5.02E+00	9.22E+01	5.98E−02	7.18E−05	3.26E−02	2.69E+00
570	5.46E+00	9.20E+01	5.31E−02	6.01E−05	3.63E−02	2.46E+00
580	5.94E+00	9.17E+01	4.72E−02	5.04E−05	4.04E−02	2.25E+00
590	6.45E+00	9.14E+01	4.19E−02	4.22E−05	4.48E−02	2.06E+00
600	7.01E+00	9.10E+01	3.72E−02	3.54E−05	4.97E−02	1.88E+00
610	7.60E+00	9.06E+01	3.30E−02	2.97E−05	5.51E−02	1.71E+00
620	8.24E+00	9.01E+01	2.92E−02	2.48E−05	6.10E−02	1.57E+00
630	8.92E+00	8.96E+01	2.59E−02	2.08E−05	6.75E−02	1.43E+00
640	9.65E+00	8.90E+01	2.30E−02	1.74E−05	7.46E−02	1.30E+00
650	1.04E+01	8.83E+01	2.04E−02	1.46E−05	8.24E−02	1.19E+00
660	1.13E+01	8.76E+01	1.80E−02	1.22E−05	9.08E−02	1.08E+00

Продолжение табл. 18

z, км	He/S, %	O/S, %	O2/S, %	Ar/S, %	H/S, %	N2/S, %
670	1.21E+01	8.68E+01	1.60E—02	1.02E—05	1.00E—01	9.85E—01
680	1.31E+01	8.59E+01	1.41E—02	8.54E—06	1.10E—01	8.96E—01
690	1.41E+01	8.50E+01	1.25E—02	7.14E—06	1.21E—01	8.15E—01
700	1.51E—01	8.40E+01	1.10E—02	5.97E—06	1.33E—01	7.41E—01
710	1.62E+01	8.29E+01	9.75E—03	4.99E—06	1.46E—01	6.73E—01
720	1.74E+01	8.18E+01	8.61E—03	4.16E—06	1.59E—01	6.11E—01
730	1.86E+01	8.06E+01	7.59E—03	3.47E—06	1.74E—01	5.54E—01
740	1.99E+01	7.94E+01	6.69E—03	2.90E—06	1.90E—01	5.02E—01
750	2.13E+01	7.80E+01	5.89E—03	2.41E—06	2.07E—01	4.54E—01
760	2.27E+01	7.66E+01	5.18E—03	2.01E—06	2.26E—01	4.11E—01
770	2.42E+01	7.52E+01	4.56E—03	1.67E—06	2.46E—01	3.71E—01
780	2.57E+01	7.37E+01	4.00E—03	1.39E—06	2.67E—01	3.35E—01
790	2.73E+01	7.21E+01	3.51E—03	1.16E—06	2.89E—01	3.02E—01
800	2.90E+01	7.04E+01	3.08E—03	9.59E—07	3.13E—01	2.72E—01

D—82; LAT—80; LON—45; LT—12; *F*—200; FAV—200; A_p—100; UT1—9

80	5.38E—04	1.07E—03	2.09E+01	9.61E—01	1.26E—05	7.82E+01
90	5.88E—04	2.68E—01	2.05E+01	9.58E—01	7.38E—05	7.82E+01
100	9.48E—04	2.99E+00	1.89E+01	8.48E—01	1.19E—04	7.73E+01
110	2.16E—03	8.12E+00	1.59E+01	6.74E—01	2.09E—04	7.53E+01
120	4.04E—03	1.27E+01	1.32E+01	5.49E—01	2.42E—04	7.36E+01
130	6.05E—03	1.61E+01	1.14E+01	4.67E—01	2.30E—04	7.21E+01
140	8.37E—03	1.86E+01	1.04E+01	4.07E—01	1.97E—04	7.06E+01
150	1.16E—02	2.08E+01	9.61E+00	3.58E—01	1.69E—04	6.92E+01
160	1.55E—02	2.28E+01	9.00E+00	3.16E—01	1.55E—04	6.78E+01
170	2.02E—02	2.48E+01	8.46E+00	2.78E—01	1.51E—04	6.64E+01
180	2.56E—02	2.68E+01	7.96E+00	2.44E—01	1.57E—04	6.50E+01
190	3.19E—02	2.87E+01	7.50E+00	2.15E—01	1.72E—04	6.35E+01
200	3.92E—02	3.07E+01	7.06E+00	1.89E—01	1.95E—04	6.20E+01
210	4.75E—02	3.28E+01	6.65E+00	1.66E—01	2.26E—04	6.04E+01
220	5.71E—02	3.49E+01	6.25E+00	1.46E—01	2.65E—04	5.87E+01
230	6.82E—02	3.70E+01	5.85E+00	1.29E—01	3.14E—04	5.70E+01
240	8.09E—02	3.91E+01	5.50E+00	1.13E—01	3.74E—04	5.52E+01
250	9.52E—02	4.13E+01	5.15E+00	9.96E—02	4.45E—04	5.33E+01
260	1.12E—01	4.35E+01	4.81E+00	8.73E—02	5.29E—04	5.14E+01
270	1.30E—01	4.58E+01	4.49E+00	7.65E—02	6.27E—04	4.95E+01
280	1.51E—01	4.80E+01	4.18E+00	6.70E—02	7.42E—04	4.76E+01
290	1.74E—01	5.03E+01	3.88E+00	5.85E—02	8.75E—04	4.56E+01
300	2.00E—01	5.25E+01	3.60E+00	5.11E—02	1.03E—03	4.36E+01
310	2.32E—01	5.11E+01	3.36E+00	4.48E—02	1.21E—03	4.19E+01
320	2.64E—01	5.67E+01	3.10E+00	3.90E—02	1.42E—03	3.99E+01
330	3.01E—01	5.89E+01	2.86E+00	3.38E—02	1.65E—03	3.79E+01
340	3.41E—01	6.11E+01	2.63E+00	2.93E—02	1.91E—03	3.59E+01
350	3.86E—01	6.32E+01	2.42E+00	2.54E—02	2.21E—03	3.40E+01
360	4.36E—01	6.52E+01	2.22E+00	2.20E—02	2.56E—03	3.21E+01
370	4.90E—01	6.72E+01	2.03E+00	1.90E—02	2.93E—03	3.03E+01
380	5.51E—01	6.91E+01	1.86E+00	1.63E—02	3.36E—03	2.85E+01
390	6.17E—01	7.09E+01	1.69E+00	1.41E—02	3.85E—03	2.68E+01
400	6.90E—01	7.26E+01	1.55E+00	1.21E—02	4.40E—03	2.52E+01

Продолжение табл. 18

z, км	He S, %	O S, %	O_2S, %	Ar S, %	H S, %	N_2S, %
410	7.69E−01	7.42E+01	1.41E+00	1.04E−02	5.02E−03	2.36E+01
420	8.57E−01	7.58E+01	1.28E+00	8.94E−03	5.71E−03	2.21E+01
430	9.52E−01	7.72E+01	1.16E+00	7.67E−03	6.48E−03	2.06E+01
440	1.06E+00	7.86E+01	1.06E+00	6.57E−03	7.35E−03	1.93E+01
450	1.17E+00	7.99E+01	9.57E−01	5.62E−03	8.32E−03	1.80E+01
460	1.29E+00	8.11E+01	8.66E−01	4.81E−03	9.39E−03	1.68E+01
470	1.43E+00	8.22E+01	7.84E−01	4.11E−03	1.06E−02	1.56E+01
480	1.57E+00	8.32E+01	7.09E−01	3.51E−03	1.19E−02	1.45E+01
490	1.73E+00	8.41E+01	6.40E−01	3.00E−03	1.34E−02	1.35E+01
500	1.90E+00	8.50E+01	5.78E−01	2.56E−03	1.51E−02	1.25E+01
510	2.09E+00	8.58E+01	5.21E−01	2.18E−03	1.69E−02	1.16E+01
520	2.29E+00	8.65E+01	4.70E−01	1.86E−03	1.89E−02	1.08E+01
530	2.51E+00	8.71E+01	4.23E−01	1.58E−03	2.11E−02	9.97E+00
540	2.74E+00	8.76E+01	3.81E−01	1.35E−03	2.36E−02	9.23E+00
550	3.00E+00	8.81E+01	3.43E−01	1.15E−03	2.63E−02	8.54E+00
560	3.27E+00	8.85E+01	3.08E−01	9.77E−04	2.93E−02	7.89E+00
570	3.57E+00	8.88E+01	2.77E−01	8.32E−04	3.27E−02	7.29E+00
580	3.89E+00	8.91E+01	2.49E−01	7.07E−04	3.63E−02	6.74E+00
590	4.23E+00	8.93E+01	2.24E−01	6.01E−04	4.03E−02	6.22E+00
600	4.60E+00	8.94E+01	2.01E−01	5.11E−04	4.47E−02	5.74E+00
610	4.99E+00	8.95E+01	1.80E−01	4.34E−04	4.96E−02	5.29E+00
620	5.42E+00	8.95E+01	1.62E−01	3.69E−04	5.49E−02	4.88E+00
630	5.87E+00	8.94E+01	1.45E−01	3.13E−04	6.07E−02	4.49E+00
640	6.36E+00	8.93E+01	1.30E−01	2.66E−04	6.71E−02	4.14E+00
650	6.88E+00	8.91E+01	1.16E−01	2.26E−04	7.41E−02	3.81E+00
660	7.44E+00	8.89E+01	1.04E−01	1.92E−04	8.17E−02	3.50E+00
670	8.03E+00	8.86E+01	9.33E−02	1.63E−04	9.01E−02	3.22E+00
680	8.66E+00	8.82E+01	8.35E−02	1.38E−04	9.91E−02	2.96E+00
690	9.34E+00	8.78E+01	7.47E−02	1.17E−04	1.09E−01	2.72E+00
700	1.01E+01	8.73E+01	6.68E−02	9.93E−05	1.20E−01	2.50E+00
710	1.08E+01	8.67E+01	5.97E−02	8.42E−05	1.31E−01	2.29E+00
720	1.16E+01	8.61E+01	5.33E−02	7.13E−05	1.44E−01	2.10E+00
730	1.25E+01	8.54E+01	4.76E−02	6.04E−05	1.58E−01	1.93E+00
740	1.34E+01	8.46E+01	4.25E−02	5.11E−05	1.72E−01	1.77E+00
750	1.43E+01	8.38E+01	3.79E−02	4.33E−05	1.88E−01	1.62E+00
760	1.53E+01	8.29E+01	3.38E−02	3.66E−05	2.06E−01	1.48E+00
770	1.64E+01	8.20E+01	3.01E−02	3.10E−05	2.24E−01	1.35E+00
780	1.75E+01	8.10E+01	2.68E−02	2.62E−05	2.44E−01	1.24E+00
790	1.87E+01	7.99E+01	2.38E−02	2.21E−05	2.65E−01	1.13E+00
800	1.99E+01	7.88E+01	2.12E−02	1.87E−05	2.88E−01	1.03E+00

D— 82; LAT— —40; LON—45; LT—12; F—200; FAV—200; A_p—100; UT1—9

80	5.44E−04	1.34E−03	2.08E+01	9.28E−01	1.36E−05	7.82E+01
90	6.08E−04	3.44E−01	2.04E+01	9.05E−01	8.21E−05	7.84E+01
100	9.46E−04	3.88E+00	1.84E+01	7.84E−01	1.20E−04	7.70E+01

Продолжение табл. 18

z, км	He,S, %	O'S, %	O,/S, %	Ar/S, %	H/S, %	N ,S, %
110	2.17E−03	1.14E+01	1.42E+01	5.50E−01	2.26E−04	7.38E+01
120	4.05E−03	1.86E+01	1.06E+01	4.01E 01	2.70E−01	7.04E+01
130	7.78E−03	2.41E+01	8.49E+00	3.08E−01	2.61E−04	6.71E+01
140	1.32E−02	2.84E+01	7.34E+00	2.46E−01	2.31E− 04	6.40E+01
150	1.91E−02	3.22E+01	6.56E+00	2.00E−01	2.10E−04	6.10E+01
160	2.59E−02	3.59E+01	5.92E+00	1.64E−01	2.03E−04	5.80E+01
170	3.41E−02	3.95E+01	5.35E+00	1.35E−01	2.10E−04	5.50E+01
180	4.38E 02	4.30E+01	4.83E+00	1.12E−01	2.29E −04	5.20E+01
190	5.54E−02	4.65E+0	4.36E+00	9.22E−02	2.62E−04	4.90E+01
200	6.86E−02	4.98E+01	3.94E+00	7.67E−02	3.05E−04	4.61E+01
210	8.32E−02	5.29E+01	3.56E+00	6.41E−02	3.59E−04	4.33E+01
220	9.98E− 02	5.59E+01	3.22E+00	5.38E 02	4.26E −04	4.07E+01
230	1.18E−01	5.87E+01	2.91E+00	4.52E−02	5.05E− 01	3.82E+01
240	1.39E −01	6.14E+01	2.64E+00	3.82E−02	5.97E−04	3.58E+01
250	1.61E−01	6.39E+01	2.39E+00	3.23E−02	7.02E−01	3.35E+01
260	1.85E−01	6.62E+01	2.16E+00	2.74E−02	8.22E−04	3.14E+01
270	2.11E−01	6.84E+01	1.96E+00	2.33E−02	9.57E−04	2.94E+01
280	2.40E−01	7.05E+01	1.78E+00	1.98E−02	1.11E−03	2.75E+01
290	2.70E−01	7.24E+01	1.61E+00	1.69E− 02	1.28E− 03	2.57E+0'
300	3.03E−01	7.42E+01	1.46E+00	1.44E−02	1.46E−03	2.41E+01
310	3.38E 01	7.59E+01	1.32E+00	1.23E−02	1.66E− 03	2.21E+01
320	3.78E−01	7.75E+01	1.20E+00	1.05E−02	1.90E−03	2.09E+01
330	4.21E−01	7.90E+01	1.08E+00	8.94E− 03	2.16E−03	1.95E+01
340	4.68E−01	8.04E+01	9.80E− 01	7.62E−03	2.46E− 03	1.82E+01
350	5.20E 01	8.17E+01	8.85E−01	6.50E−03	2.79E−03	1.69E+01
360	5.76E−01	8.29E+01	7.99E 01	5.53E−03	3.16E− 03	1.57E+01
370	6.37E −01	8.41E+01	7.21E −01	4.71E−03	3.58E−03	1.46E+01
380	7.04E−01	8.51E+01	6.50E −01	1.00E−03	4.04E−03	1.35E+01
390	7.77E−01	8.61E+01	5.85E− 01	3.40E−03	4.56E− 03	1.25E+01
400	8.55E−01	8.70E+01	5.27E−01	2.90E− 03	5.12E−03	1.16E+01
410	9.41E−01	8.78E+01	4.74E−01	2.46E− 03	5.76E−03	1.08E+01
420	1.04E+00	8.86E+01	4.26E−01	2.09E−03	6.48E−03	9.97E+00
430	1.14E+00	8.93E+01	3.83E−01	1.77E−03	7.27E−03	9.22E+00
440	1.25E+00	8.99E+01	3.44E−01	1.50E− 03	8.15E− 03	8.52E+00
450	1.37E+00	9.04E+01	3.09E−01	1.27E−03	9.13E−03	7.87E+00
460	1.50E+00	9.09E+01	2.77E−01	1.08E−03	1.02E−02	7.27E+00
470	1.64E+00	9.14E+01	2.49E−01	9.16E− 04	1.14E−02	6.71E+00
480	1.79E+00	9.18E+01	2.23E−01	7.77E−04	1.27E−02	6.19E+00
490	1.96E+00	9.21E+01	2.00E−01	6.59E−04	1.42E−02	5.71E+00
500	2.14E+00	9.24E+01	1.80E− 01	5.58E−04	1.58E−02	5.27E+00
510	2.33E+00	9.26E+01	1.61E−01	4.73E−04	1.76E−02	4.86E+00
520	2.54E+00	9.28E+01	1.44E−01	4.01E−04	1.96E−02	4.48E+00
530	2.76E+00	9.30E+01	1.29E−01	3.40E−04	2.18E−02	4.13E+00
540	3.00E+00	9.31E+01	1.16E−01	2.89E−04	2.42E−02	3.80E+00
550	3.26E+00	9.31E+01	1.04E−01	2.45E−04	2.69E−02	3.50E+00
560	3.55E+00	9.31E+01	9.30E−02	2.07E−04	2.98E−02	3.22E+00
570	3.85E+00	9.31E+0.	8.33E−02	1.76E−04	3.30E−02	2.97E+00
580	4.17E+00	9.30E+01	7.46E− 02	1.49E−04	3.65E−02	2.73E+00
590	4.52E+00	9.29E+01	6.68E−02	1.26E−04	4.04E−02	2.51E+00
600	4.90E+00	9.27E+01	5.98E− 02	1.07E−04	4.47E−02	2.31E+00

Продолжение табл. 18

λ, мм	He S, %	O S, %	O$_2$ S, %	N$_2$ S, %	H S, %	N$_2$ S, %
610	5.30E+00	9.25E+01	5.35E−02	9.08E−05	4.93E−02	2.12E+00
620	5.73E+00	9.22E+01	4.79E−02	7.70E−05	5.44E−02	1.95E+00
630	6.20E+00	9.19E+01	4.29E−02	6.53E−05	6.00E−02	1.80E+00
640	6.69E+00	9.16E+01	3.84E−02	5.54E−05	6.62E−02	1.65E+00
650	7.22E+00	9.12E+01	3.43E−02	4.69E−05	7.28E−02	1.52E+00
660	7.79E+00	9.07E+01	3.07E−02	3.98E−05	8.01E−02	1.39E+00
670	8.39E+00	9.02E+01	2.74E−02	3.37E−05	8.81E−02	1.28E+00
680	9.03E+00	8.97E+01	2.45E−02	2.86E−05	9.67E−02	1.17E+00
690	9.71E+00	8.91E+01	2.19E−02	2.42E−05	1.06E−01	1.08E+00
700	1.04E+01	8.84E+01	1.96E−02	2.05E−05	1.16E−01	9.87E−01
710	1.12E+01	8.77E+01	1.75E−02	1.74E−05	1.27E−01	9.05E−01
720	1.20E+01	8.70E+01	1.56E−02	1.47E−05	1.39E−01	8.29E−01
730	1.29E+01	8.62E+01	1.39E−02	1.25E−05	1.52E−01	7.60E−01
740	1.38E+01	8.53E+01	1.24E−02	1.05E−05	1.66E−01	6.96E−01
750	1.48E+01	8.44E+01	1.11E−02	8.92E−06	1.81E−01	6.36E−01
760	1.58E+01	8.34E+01	9.85E−03	7.54E−06	1.98E−01	5.82E−01
770	1.68E+01	8.24E+01	8.77E−03	6.38E−06	2.15E−01	5.31E−01
780	1.80E+01	8.13E+01	7.80E−03	5.39E−06	2.34E−01	4.85E−01
790	1.91E+01	8.02E+01	6.94E−03	4.55E−06	2.54E−01	4.43E−01
800	2.03E+01	7.90E+01	6.17E−03	3.84E−06	2.76E−01	4.04E−01

D−82; LAT− −80; LON−45; LT−12; *F*−200; *FAV*−200; A_p−100; UT1−9

80	5.48E−04	4.01E−03	2.03E+01	5.64E−01	1.39E−05	7.81E+01
90	6.00E−04	2.51E−01	2.07E+01	9.64E−01	8.32E−05	7.81E+01
100	9.42E−04	2.74E+00	1.95E+01	8.63E−01	1.28E−04	7.69E+01
110	2.21E−03	7.51E+00	1.72E+01	6.75E−01	2.43E−04	7.46E+01
120	4.00E−03	1.08E+01	1.52E+01	5.43E−01	3.13E−04	7.25E+01
130	4.55E−03	1.48E+01	1.39E+01	4.64E−01	3.12E−04	7.09E+01
140	5.27E−03	1.70E+01	1.29E+01	4.09E−01	2.80E−04	6.97E+01
150	7.07E−03	1.89E+01	1.21E+01	3.64E−01	2.51E−04	6.86E+01
160	9.47E−03	2.07E+01	1.14E+01	3.25E−01	2.36E−04	6.76E+01
170	1.23E−02	2.23E+01	1.08E+01	2.90E−01	2.35E−04	6.66E+01
180	1.56E−02	2.40E+01	1.02E+01	2.58E−01	2.48E−04	6.55E+01
190	1.94E−02	2.56E+01	9.72E+00	2.30E−01	2.73E−04	6.44E+01
200	2.38E−02	2.72E+01	9.23E+00	2.05E−01	3.10E−04	6.33E+01
210	2.87E−02	2.89E+01	8.78E+00	1.83E−01	3.59E−04	6.21E+01
220	3.44E−02	3.06E+01	8.34E+00	1.63E−01	4.21E−04	6.08E+01
230	4.09E−02	3.24E+01	7.91E+00	1.46E−01	4.96E−04	5.95E+01
240	4.82E−02	3.42E+01	7.50E+00	1.30E−01	5.87E−04	5.81E+01
250	5.64E−02	3.60E+01	7.10E+00	1.17E−01	6.93E−04	5.67E+01
260	6.57E−02	3.79E+01	6.72E+00	1.04E−01	8.18E−04	5.52E+01
270	7.61E−02	3.98E+01	6.35E+00	9.32E−02	9.62E−04	5.37E+01
280	8.77E−02	4.18E+01	5.99E+00	8.31E−02	1.13E−03	5.21E+01
290	1.01E−01	4.37E+01	5.64E+00	7.41E−02	1.32E−03	5.05E+01
300	1.15E−01	4.57E+01	5.31E+00	6.60E−02	1.54E−03	4.88E+01

Продолжение табл. 18

z, км	He S, %	O/S, %	O2/S, %	Ar/S, %	H/S, %	N/S, %
310	1.32E 01	4 72E+01	5.04E+00	5.93E—02	1.80E—03	4 76E+01
320	1.50E—01	4 93E + 01	4.72E+00	5.27E 02	2.08E —03	4.58E+01
330	1.69E—01	5.13E+01	4.42E+00	4.67E—02	2.40E—03	4.40E+01
340	1.91E- 01	5.34E+01	4.13E+00	4.14E—02	2.76E—03	4.23E+01
350	2.15E—01	5.54E+01	3.86E+00	3.67E 02	3.16E -03	4.05E+01
360	2.41E—01	5.73E+01	3.60E+00	3.25E—02	3.62E—03	3.88E+01
370	2.69E—01	5.93E+01	3.35E+00	2.87E 02	4.13E—03	3.71E+01
380	3.01E—01	6.12E+01	3.12E+00	2.54E—02	4.70E -03	3.54E+01
390	3.35E—01	6.30E+01	2.89E+00	2.24E—02	5.33E—03	3.37E+01
400	3.72E—01	6.48E+01	2.69E+00	1.97E—02	6.04E—03	3.21E+01
410	4.13E—01	6.65E+01	2.49E+00	1.74E—02	6.83E—03	3.05E+01
420	4.57E 01	6.82E+01	2.31E+00	1.53E—02	7.71E—03	2.90E+01
430	5.05E—01	6.98E+01	2.13E+00	1.34E—02	8.68E—03	2.75E+01
440	5.57E—01	7.14E+01	1.97E+00	1.18E—02	9.76E—03	2.61E+01
450	6.14E—01	7.29E+01	1.82E+00	1.04E—02	1.10E—02	2.47E+01
460	6.75E—01	7.43E+01	1.68E+00	9.03E 03	1.23E—02	2.33E+01
470	7.41E—01	7.56E+01	1.54E+00	7.96E—03	1.37E—02	2.20E+01
480	8.12E—01	7.69E + 01	1.42E+00	6.97E—03	1.53E- 02	2.08E+01
490	8.89E—01	7.82E+01	1.31E+00	6.10E—03	1.71E—02	1.96E+01
500	9.72E—01	7.93E+01	1.20E+00	5.34E—03	1.91E—02	1.85E+01
510	1.06E+00	8.04E+01	1.10E+00	4.66E—03	2.12E—02	1.74E+01
520	1.16E+00	8.14E+01	1.01E+00	4.07E 03	2.35E—02	1.64E+01
530	1.26E+00	8.24E+01	9.29E—01	3.56E—03	2.61E— 02	1.54E+01
540	1.37E+00	8.33E+01	8.52E—01	3.11E 03	2.89E 02	1.45E+01
550	1.49E+00	8.41E+01	7.80E 01	2.71E—03	3.20E —02	1.36E+01
560	1.62E+00	8.49E+01	7.15E—01	2.36E—03	3.54E—02	1.27E+01
570	1.75E+00	8.56E+01	6.54E 01	2.06E—03	3.91E—02	1.19E+01
580	1.90E+00	8.63E+01	5.98E— 01	1.80E —03	4.31E —02	1.12E+01
590	2.06E+00	8.69E+01	5.47E—01	1.57E—03	4.75E—02	1.05E+01
600	2.23E+00	8.74F—01	5.00E 01	1.36E- 03	5.24E—02	9.81E+00
610	2.41E+00	8.79E+01	4.57E—01	1.19E—03	5.76E—02	9.18E+00
620	2.60E+00	8.83E+01	4.17E —01	1.03E—03	6.33F—02	8.59E+00
630	2.80E+00	8.87E+01	3.81E—01	9.01E—04	6.95E- 02	8.03E+00
640	3.02E+00	8.90E+01	3.48E—01	7.84F—04	7.63E —02	7.51E+00
650	3.25E+00	8.93E+01	3.17E—01	6.82E - 04	8.36E—02	7.02E+00
660	3.50E+00	8.96E+01	2.90E —01	5.94E—04	9.16E—02	6.55E+00
670	3.76E+00	8.98E+01	2.64E—01	5.17E—04	1.00E—01	6 12E+00
680	4.04E+00	8.99E+01	2.41E—01	4.49E—04	1.10E—01	5.71E+00
690	4.34E+00	9.00E+01	2.20E—01	3.91E—04	1.20E—01	5.33E+00
700	4.66E+00	9.00E+01	2.00E - 01	3.40E—04	1.31E—01	4.97E+00
710	5.00E+00	9.00E+01	1.82E—01	2.96E—04	1.43E- 01	4.64E+00
720	5.36E+00	9.00E+01	1.66E—01	2.57E—04	1.56E— 01	4.32E+00
730	5.74E+00	8.99E+01	1.51E 01	2.24E—04	1.70E—01	4.03E+00
740	6.14E+00	8.98E+01	1.38E—01	1.94E—04	1.85E 01	3.75E+00
750	6.56E+00	8.96E+01	1.25E—01	1.69E—04	2.01E—01	3.50E+00
760	7.01E+00	8.94E+01	1.14E—01	1.47E—04	2.19E— 01	3.26E+00
770	7.49E+00	8.91E+01	1.04E— 01	1.28E —04	2.38E—01	3.03E+00
780	7.99E+00	8.88E+01	9.44E —02	1.11E—04	2.58E—01	2.82E+00
790	8.53E+00	8.85E+01	8.59E—02	9.65E—05	2.80F—01	2.63E+00
800	9.09E+00	8.81E+01	7.81E—02	8.38E—05	3.03E—01	2.44E+00

Таблица 19

Широтные вариации состава при низкой солнечной активности для летнего солнцестояния в северном и зимнего в южном полушариях

z, км	He'S, %	O'S, %	O S, %	M S, %	H'S, %	N S, %
D –172; LAT – 0; LON – 45; LT—12; *F* – 70; *FAV* – 70; A_p – 100; UT1—9						
80	5.53E—04	1.14E—03	2.06E+01	8.96E—01	1.80E—05	7.83E+01
90	6.14E—04	2.88E—01	2.03E+01	8.55E—01	1.20E—04	7.86E+01
100	9.58E—04	1.09E+00	1.82E+01	7.26E—01	1.98E—04	7.79E+01
110	2.54E—03	9.72E+00	1.36E+01	4.76E—01	5.08E—04	7.62E+01
120	7.32E—03	1.75E+01	9.37E+00	2.93E—01	1.13E—03	7.29E+01
130	1.39E—02	2.35E+01	6.97E+00	1.98E—01	1.54E—03	6.93E+01
140	2.28E—02	2.86E+01	5.77E+00	1.40E—01	1.80E—03	6.55E+01
150	3.45E—02	3.31E+01	4.98E+00	1.02E—01	2.03E—03	6.17E+01
160	4.97E—02	3.75E+01	4.36E+00	7.69E—02	2.32E—03	5.80E+01
170	6.91E—02	4.18E+01	3.83E+00	5.87E—02	2.74E—03	5.42E+01
180	9.34E—02	4.60E+01	3.26E+00	4.52E—02	3.34E—03	5.05E+01
190	1.24E—01	5.02E+01	2.93E+00	3.49E—02	4.16E—03	4.68E+01
200	1.61E—01	5.42E+01	2.55E+00	2.70E—02	5.26E—03	4.30E+01
210	2.07E—01	5.82E+01	2.21E+00	2.09E—02	6.72E—03	3.94E+01
220	2.64E—01	6.20E+01	1.90E+00	1.61E—02	8.62E—03	3.58E+01
230	3.31E—01	6.56E+01	1.63E+00	1.24E—02	1.11E—02	3.24E+01
240	4.13E—01	6.90E+01	1.39E+00	9.48E—03	1.41E—02	2.92E+01
250	5.10E—01	7.22E+01	1.18E+00	7.22E—03	1.80E—02	2.61E+01
260	6.26E—01	7.51E+01	9.96E—01	5.49E—03	2.29E—02	2.33E+01
270	7.63E—01	7.77E+01	8.38E—01	4.15E—03	2.89E—02	2.06E+01
280	9.24E—01	8.01E+01	7.02E—01	3.13E—03	3.63E—02	1.82E+01
290	1.11E+00	8.23E+01	5.86E—01	2.35E—03	4.51E—02	1.60E+01
300	1.33E+00	8.41E+01	4.87E—01	1.76E—03	5.65E—02	1.40E+01
310	1.60E+00	8.56E+01	4.07E—01	1.33E—03	7.05E—02	1.23E+01
320	1.90E+00	8.69E+01	3.36E—01	9.87E—04	8.70E—02	1.07E+01
330	2.25E+00	8.81E+01	2.77E—01	7.33E—04	1.07E—01	9.31E+00
340	2.65E+00	8.89E+01	2.27E—01	5.44E—04	1.31E—01	8.06E+00
350	3.11E+00	8.96E+01	1.87E—01	4.03E—04	1.60E—01	6.96E+00
360	3.65E+00	9.00E+01	1.53E—01	2.98E—04	1.94E—01	6.00E+00
370	4.26E+00	9.02E+01	1.25E—01	2.20E—04	2.36E—01	5.16E+00
380	4.96E+00	9.02E+01	1.02E—01	1.62E—04	2.86E—01	4.43E+00
390	5.76E+00	9.00E+01	8.37E—02	1.19E—04	3.44E—01	3.80E+00
400	6.67E+00	8.96E+01	6.76E—02	8.78E—05	4.11E—01	3.25E+00
410	7.71E+00	8.90E+01	5.43E—02	6.45E—05	4.97E—01	2.77E+00
420	8.87E+00	8.81E+01	4.35E—02	4.73E—05	5.94E—01	2.36E+00
430	1.02E+01	8.71E+01	3.60E—02	3.46E—05	7.08E—01	2.01E+00
440	1.17E+01	8.58E+01	2.70E—02	2.55E—05	8.41E—01	1.71E+00
450	1.33E+01	8.42E+01	2.34E—02	1.84E—05	9.95E—01	1.44E+00
460	1.51E+01	8.25E+01	1.88E—02	1.34E—05	1.17E+00	1.22E+00
470	1.71E+01	8.05E+01	1.50E—02	9.71E—06	1.38E+00	1.02E+00
480	1.93E+01	7.83E+01	1.20E—02	7.02E—06	1.61E+00	8.59E—01
490	2.16E+01	7.58E+01	9.54E—03	5.06E—06	1.88E+00	7.18E—01
500	2.41E+01	7.31E+01	7.56E—03	3.64E—06	2.18E+00	5.97E—01

Продолжение табл. 19

z, км	He S, %	O S, %	O$_2$ S, %	Ar S, %	H S, %	N$_2$ S, %
510	2.68E+01	7.01E+01	5.97E−03	2.50E−06	2.51E+00	4.95E−01
520	2.97E+01	6.70E+01	4.69E−03	1.86E−06	2.88E+00	4.09E−01
530	3.27E+01	6.37E+01	3.67E−03	1.32E−06	3.28E+00	3.36E−01
540	3.57E+01	6.03E+01	2.86E−03	9.34E−07	3.72E+00	2.75E−01
550	3.89E+01	5.67E+01	2.22E−03	6.57E−07	4.20E+00	2.24E−01
560	4.20E+01	5.31E+01	1.71E−03	4.61E−07	4.71E+00	1.81E−01
570	4.52E+01	4.94E+01	1.32E−03	3.22E−07	5.25E+00	1.46E−01
580	4.83E+01	4.58E+01	1.01E−03	2.23E−07	5.82E+00	1.17E−01
590	5.13E+01	4.23E+01	7.66E−04	1.55E−07	6.41E+00	9.35E−02
600	5.43E+01	3.86E+01	5.81E−04	1.06E−07	7.02E+00	7.43E−02
610	5.71E+01	3.52E+01	4.38E−04	7.30E−08	7.65E+00	5.88E−02
620	5.97E+01	3.20E+01	3.29E−04	4.98E−08	8.29E+00	4.63E−02
630	6.21E+01	2.89E+01	2.46E−04	3.39E−08	8.94E+00	3.63E−02
640	6.44E+01	2.60E+01	1.83E−04	2.30E−08	9.60E+00	2.83E−02
650	6.64E+01	2.33E+01	1.36E−04	1.56E−08	1.03E+01	2.21E−02
660	6.83E+01	2.08E+01	1.01E−04	1.05E−08	1.09E+01	1.71E−02
670	6.99E+01	1.85E+01	7.46E−05	7.07E−09	1.16E+01	1.33E−02
680	7.13E+01	1.64E+01	5.49E−05	4.74E−09	1.22E+01	1.02E−02
690	7.26E+01	1.45E+01	4.03E−05	3.18E−09	1.29E+01	7.88E−03
700	7.36E+01	1.28E+01	2.96E−05	2.13E−09	1.35E+01	6.06E−03
710	7.45E+01	1.13E+01	2.17E−05	1.42E−09	1.42E+01	4.65E−03
720	7.52E+01	9.96E+00	1.59E−05	9.46E−10	1.48E+01	3.56E−03
730	7.58E+01	8.74E+00	1.16E−05	6.32E−10	1.55E+01	2.72E−03
740	7.62E+01	7.67E+00	8.47E−06	4.21E−10	1.61E+01	2.08E−03
750	7.66E+01	6.71E+00	6.18E−06	2.81E−10	1.67E+01	1.59E−03
760	7.68E+01	5.87E+00	4.51E−06	1.87E−10	1.73E+01	1.21E−03
770	7.69E+01	5.13E+00	3.29E−06	1.24E−10	1.80E+01	9.26E−04
780	7.69E+01	4.48E+00	2.40E−06	8.26E−11	1.86E+01	7.06E−04
790	7.69E+01	3.91E+00	1.75E−06	5.51E−11	1.92E+01	5.38E−04
800	7.67E+01	3.41E+00	1.27E−06	3.67E−11	1.99E+01	4.10E−04

D—172; LAT—40; LON—45; LT—12, *F*—70; *FΔV*—70; A_p—100; UT1—9

80	5.40E−04	1.05E−03	2.08E+01	8.96E−01	1.61E−05	7.83E+01
90	6.04E−04	2.62E−01	2.03E+01	8.53E−01	1.08E−04	7.86E+01
100	9.56E−04	2.90E+00	1.83E+01	7.17E−01	1.82E−04	7.81E+01
110	2.29E−03	8.35E+00	1.41E+01	4.99E−01	4.06E−04	7.70E+01
120	4.67E−03	1.42E+01	1.02E+01	3.34E−01	7.14E−04	7.53E+01
130	5.12E−03	1.87E+01	7.99E+00	2.36E−01	9.01E−04	7.30E+01
140	5.81E−03	2.24E+01	6.84E+00	1.74E−01	9.88E−04	7.06E+01
150	8.12E−03	2.57E+01	6.09E+00	1.33E−01	1.06E−03	6.81E+01
160	1.15E−02	2.86E+01	5.50E+00	1.04E−01	1.16E−03	6.55E+01
170	1.58E−02	3.21E+01	4.99E+00	8.32E−02	1.32E−03	6.28E+01
180	2.12E−02	3.53E+01	4.52E+00	6.70E−02	1.56E−03	6.01E+01
190	2.79E−02	3.86E+01	4.09E+00	5.42E−02	1.90E−03	5.73E+01
200	3.63E−02	4.19E+01	3.69E+00	4.40E−02	2.37E−03	5.43E+01

Продолжение табл. 19

λ, мкм	He/S, %	O S, %	D S, %	N S, %	H S, %	N S, %
210	4.65E—02	4.53E+01	3.31E+00	3.57E—02	3.00E—03	5.53E+01
220	5.90E—02	4.87E+01	2.96E+00	2.89E—02	3.81E—03	4.83E+01
230	7.42E—02	5.21E+01	2.64E+00	2.34E—02	4.86E—03	4.52E+01
240	9.26E—02	5.55E+01	2.34E+00	1.88E—02	6.18E—03	4.20E+01
250	1.15E—01	5.89E+01	2.07E+00	1.51E—02	7.85E—03	3.89E+01
260	1.41E—01	6.21E+01	1.82E+00	1.21E—02	9.93E—03	3.59E+01
270	1.72E—01	6.53E+01	1.59E+00	9.59E—03	1.25E—02	3.29E+01
280	2.08E—01	6.83E+01	1.39E+00	7.60E—03	1.56E—02	3.01E+01
290	2.51E—01	7.12E+01	1.20E+00	6.01E—03	1.95E—02	2.73E+01
300	3.01E—01	7.39E+01	1.04E+00	4.73E—03	2.42E—02	2.47E+01
310	3.63E—01	7.61E+01	9.05E—01	3.75E—03	3.02E—02	2.26E+01
320	4.30E—01	7.85E+01	7.75E—01	2.93E—03	3.70E—02	2.03E+01
330	5.08E—01	8.07E+01	6.62E—01	2.28E—03	4.52E—02	1.81E+01
340	5.97E—01	8.26E+01	5.64E—01	1.77E—03	5.51E—02	1.62E+01
350	7.00E—01	8.44E+01	4.79E—01	1.37E—03	6.68E—02	1.44E+01
360	8.18E—01	8.59E+01	4.07E—01	1.06E—03	8.08E—02	1.28E+01
370	9.53E—01	8.73E+01	3.44E—01	8.22E—04	9.74E—02	1.13E+01
380	1.11E+00	8.85E+01	2.91E—01	6.34E—04	1.17E—01	1.00E+01
390	1.28E+00	8.95E+01	2.45E—01	4.89E—04	1.40E—01	8.84E+00
400	1.48E+00	9.04E+01	2.07E—01	3.76E—04	1.68E—01	7.79E+00
410	1.71E+00	9.11E+01	1.74E—01	2.89E—04	2.00E—01	6.86E+00
420	1.97E+00	9.16E+01	1.46E—01	2.22E—04	2.38E—01	6.03E+00
430	2.26E+00	9.20E+01	1.23E—01	1.71E—04	2.83E—01	5.30E+00
440	2.60E+00	9.23E+01	1.03E—01	1.31E—04	3.36E—01	4.65E+00
450	2.97E+00	9.25E+01	8.61E—02	1.00E—04	3.98E—01	4.07E+00
460	3.40E+00	9.25E+01	7.24E—02	7.70E—05	4.70E—01	3.57E+00
470	3.87E+00	9.24E+01	6.06E—02	5.90E—05	5.54E—01	3.12E+00
480	4.41E+00	9.22E+01	5.08E—02	4.51E—05	6.52E—01	2.73E+00
490	5.01E+00	9.18E+01	4.23E—02	3.45E—05	7.66E—01	2.38E+00
500	5.69E+00	9.13E+01	3.53E—02	2.64E—05	8.98E—01	2.07E+00
510	6.44E+00	9.07E+01	2.94E—02	2.02E—05	1.05E+00	1.81E+00
520	7.28E+00	8.99E+01	2.45E—02	1.54E—05	1.23E+00	1.57E+00
530	8.21E+00	8.90E+01	2.04E—02	1.17E—05	1.43E+00	1.37E+00
540	9.24E+00	8.79E+01	1.69E—02	8.93E—06	1.66E+00	1.18E+00
550	1.04E+01	8.67E+01	1.40E—02	6.80E—06	1.93E+00	1.03E+00
560	1.16E+01	8.53E+01	1.16E—02	5.16E—06	2.23E+00	8.87E—01
570	1.30E+01	8.37E+01	9.61E—03	3.91E—06	2.57E+00	7.65E—01
580	1.44E+01	8.19E+01	7.92E—03	2.96E—06	2.96E+00	6.59E—01
590	1.60E+01	8.00E+01	6.52E—03	2.24E—06	3.39E+00	5.66E—01
600	1.77E+01	7.79E+01	5.36E—03	1.69E—06	3.87E+00	4.85E—01
610	1.95E+01	7.56E+01	4.39E—03	1.27E—06	4.41E+00	4.14E—01
620	2.15E+01	7.32E+01	3.58E—03	9.53E—07	5.00E+00	3.53E—01
630	2.35E+01	7.05E+01	2.92E—03	7.13E—07	5.65E+00	3.00E—01
640	2.56E+01	6.78E+01	2.37E—03	5.32E—07	6.35E+00	2.54E—01
650	2.78E+01	6.49E+01	1.91E—03	3.96E—07	7.12E+00	2.14E—01
660	3.01E+01	6.18E+01	1.54E—03	2.93E—07	7.94E+00	1.80E—01
670	3.23E+01	5.87E+01	1.24E—03	2.17E—07	8.81E+00	1.51E—01

Продолжение табл. 19

z, км	He|S, %	O.S, %	O⁺S, %	ArS ⁺₂	H.S, %	N.S, %
680	3,47E+01	5,55E+01	9,92E—04	1,60E—07	9,74E+00	1,26E—01
690	3,70E+01	5,22E+01	7,91E—04	1,17E—07	1,07E+01	1,05E—01
700	3,92E+01	4,90E+01	6,28E—04	8,56E—08	1,17E+01	8,65E—02
710	4,14E+01	4,57E+01	4,97E—04	6,24E—08	1,28E+01	7,13E—02
720	4,36E+01	4,25E+01	3,92E—04	4,53E—08	1,39E+01	5,86E—02
730	4,56E+01	3,93E+01	3,08E—04	3,28E—08	1,50E+01	4,80E—02
740	4,76E+01	3,63E+01	2,41E—04	2,36E—08	1,61E+01	3,91E—02
750	4,94E+01	3,33E+01	1,88E—04	1,70E—08	1,72E+01	3,18E—02
760	5,11E+01	3,05E+01	1,46E—04	1,22E—08	1,84E+01	2,58E—02
770	5,26E+01	2,78E+01	1,13E—04	8,71E—09	1,95E+01	2,08E—02
780	5,40E+01	2,53E+01	8,77E—05	6,21E—09	2,07E+01	1,67E—02
790	5,53E+01	2,29E+01	6,76E—05	4,42E—09	2,18E+01	1,34E—02
800	5,64E+01	2,07E+01	5,20E—05	3,13E—09	2,29E+01	1,08E—02

D—172; LAT—80; LON—45; LT—12; *F*—70; *FAV*—70; A_p—100; UT1—9

80	5,35E—04	8,69E—04	2,09E+01	9,69E—01	1,64E—05	7,82E+01
90	5,90E—04	2,12E—01	2,06E+01	9,68E—01	1,10E—04	7,83E+01
100	9,48E—04	2,34E+00	1,91E+01	8,58E—01	2,01E—04	7,77E+01
110	2,00E—03	6,19E+00	1,65E+01	7,10E—01	4,01E—04	7,67E+01
120	2,96E—03	9,53E+00	1,40E+01	5,86E—01	6,87E—04	7,59E+01
130	3,04E—03	1,20E+01	1,23E+01	5,02E—01	7,14E—04	7,51E+01
140	1,73E—03	1,40E+01	1,13E+01	4,36E—01	7,75E—04	7,43E+01
150	2,27E—03	1,57E+01	1,04E+01	3,79E—01	8,35E—04	7,34E+01
160	3,18E—03	1,75E+01	9,75E+00	3,27E—01	9,29E—04	7,24E+01
170	4,40E—03	1,93E+01	9,10E+00	2,80E—01	1,08E—03	7,13E+01
180	5,99E—03	2,10E+01	8,48E+00	2,38E—01	1,31E—03	7,01E+01
190	8,04E—03	2,33E+01	7,89E+00	2,02E—01	1,63E—03	6,86E+01
200	1,07E—02	2,56E+01	7,33E+00	1,70E—01	2,09E—03	6,70E+01
210	1,40E—02	2,79E+01	6,79E+00	1,43E—01	2,72E—03	6,52E+01
220	1,83E—02	3,05E+01	6,26E+00	1,20E—01	3,56E—03	6,31E+01
230	2,38E—02	3,33E+01	5,75E+00	9,97E—02	4,68E—03	6,06E+01
240	3,06E—02	3,62E+01	5,25E+00	8,28E—02	6,16E—03	5,84E+01
250	3,91E—02	3,93E+01	4,78E+00	6,85E—02	8,09E—03	5,59E+01
260	4,96E—02	4,25E+01	4,33E+00	5,64E—02	1,06E—02	5,30E+01
270	6,26E—02	4,58E+01	3,90E+00	4,61E—02	1,38E—02	5,01E+01
280	7,84E—02	4,92E+01	3,50E+00	3,76E—02	1,78E—02	4,72E+01
290	9,76E—02	5,26E+01	3,12E+00	3,05E—02	2,30E—02	4,41E+01
300	1,21E—01	5,60E+01	2,77E+00	2,46E—02	2,94E—02	4,10E+01
310	1,51E—01	5,86E+01	2,45E+00	2,01E—02	3,81E—02	3,87E+01
320	1,84E—01	6,20E+01	2,18E+00	1,60E—02	4,81E—02	3,55E+01
330	2,23E—01	6,53E+01	1,90E+00	1,27E—02	6,03E—02	3,25E+01
340	2,69E—01	6,84E+01	1,65E+00	1,01E—02	7,53E—02	2,96E+01
350	3,23E—01	7,13E+01	1,43E+00	7,94E—03	9,35E—02	2,68E+01
360	3,85E—01	7,41E+01	1,23E+00	6,24E—03	1,16E—01	2,42E+01
370	4,58E—01	7,66E+01	1,06E+00	4,88E—03	1,42E—01	2,18E+01
380	5,41E—01	7,89E+01	9,06E—01	3,81E—03	1,74E—01	1,95E+01
390	6,38E—01	8,09E+01	7,73E—01	2,96E—03	2,13E—01	1,74E+01
400	7,49E—01	8,28E+01	6,58E—01	2,30E—03	2,58E—01	1,55E+01

Продолжение табл. 19

z, км	He/S, %	O/S, %	O$_2$/S, %	Ar/S, %	H/S, %	N$_2$/S, %
410	8.77E−01	8.44E+01	5.58E−01	1.78E−03	3.13E−01	1.38E+01
420	1.02E+00	8.59E+01	4.73E−01	1.38E−03	3.78E−01	1.23E+01
430	1.19E+00	8.71E+01	4.00E−01	1.06E−03	4.55E−01	1.08E+01
440	1.38E+00	8.82E+01	3.37E−01	8.19E−04	5.46E−01	9.57E+00
450	1.60E+00	8.90E+01	2.84E−01	6.30E−04	6.53E−01	8.43E+00
460	1.84E+00	8.97E+01	2.39E−01	4.84E−04	7.79E−01	7.42E+00
470	2.12E+00	9.02E+01	2.01E−01	3.72E−04	9.28E−01	6.52E+00
480	2.44E+00	9.06E+01	1.68E−01	2.85E−04	1.10E+00	5.72E+00
490	2.79E+00	9.07E+01	1.41E−01	2.18E−04	1.31E+00	5.01E+00
500	3.19E+00	9.08E+01	1.18E−01	1.67E−04	1.55E+00	4.38E+00
510	3.64E+00	9.05E+01	9.86E−02	1.28E−04	1.82E+00	3.83E+00
520	4.15E+00	9.03E+01	8.23E−02	9.75E−05	2.15E+00	3.34E+00
530	4.71E+00	8.98E+01	6.86E−02	7.43E−05	2.52E+00	2.91E+00
540	5.33E+00	8.91E+01	5.70E−02	5.66E−05	2.95E+00	2.53E+00
550	6.03E+00	8.83E+01	4.74E−02	4.31E−05	3.45E+00	2.20E+00
560	6.80E+00	8.72E+01	3.93E−02	3.27E−05	4.01E+00	1.90E+00
570	7.64E+00	8.60E+01	3.25E−02	2.48E−05	4.66E+00	1.64E+00
580	8.57E+00	8.46E+01	2.69E−02	1.88E−05	5.40E+00	1.42E+00
590	9.57E+00	8.30E+01	2.21E−02	1.42E−05	6.24E+00	1.22E+00
600	1.07E+01	8.11E+01	1.82E−02	1.07E−05	7.17E+00	1.05E+00
610	1.18E+01	7.90E+01	1.49E−02	8.04E−06	8.22E+00	8.97E−01
620	1.31E+01	7.68E+01	1.22E−02	6.03E−06	9.39E+00	7.66E−01
630	1.44E+01	7.43E+01	9.93E−03	4.50E−06	1.07E+01	6.51E−01
640	1.58E+01	7.16E+01	8.06E−03	3.36E−06	1.21E+01	5.52E−01
650	1.72E+01	6.87E+01	6.52E−03	2.49E−06	1.36E+01	4.66E−01
660	1.87E+01	6.57E+01	5.25E−03	1.84E−06	1.53E+01	3.92E−01
670	2.02E+01	6.25E+01	4.22E−03	1.36E−06	1.70E+01	3.28E−01
680	2.17E+01	5.91E+01	3.37E−03	9.98E−07	1.89E+01	2.73E−01
690	2.32E+01	5.57E+01	2.68E−03	7.30E−07	2.09E+01	2.27E−01
700	2.47E+01	5.22E+01	2.12E−03	5.31E−07	2.29E+01	1.87E−01
710	2.61E+01	4.87E+01	1.67E−03	3.85E−07	2.50E+01	1.54E−01
720	2.75E+01	4.52E+01	1.31E−03	2.78E−07	2.72E+01	1.26E−01
730	2.88E+01	4.18E+01	1.03E−03	2.00E−07	2.93E+01	1.03E−01
740	3.00E+01	3.84E+01	7.99E−04	1.43E−07	3.15E+01	8.34E−02
750	3.11E+01	3.51E+01	6.19E−04	1.02E−07	3.37E+01	6.74E−02
760	3.21E+01	3.20E+01	4.78E−04	7.24E−08	3.59E+01	5.42E−02
770	3.29E+01	2.90E+01	3.67E−04	5.13E−08	3.80E+01	4.34E−02
780	3.37E+01	2.62E+01	2.81E−04	3.62E−08	4.01E+01	3.47E−02
790	3.43E+01	2.36E+01	2.15E−04	2.54E−08	4.21E+01	2.76E−02
800	3.48E+01	2.12E+01	1.64E−04	1.79E−08	4.40E+01	2.19E−02

D—172; LAT· −40; LON· 45; LT· 12; F· 70; $\bar{F}$AV—70, A_p—100; UT1—9

80	5.43E−04	1.23E−03	2.09E+01	8.93E−01	1.78E−05	7.82E+01
90	6.67E−04	3.13E−01	2.05E+01	8.48E−01	1.23E−04	7.83E+01
100	9.49E−04	3.49E+00	1.87E+01	7.06E−01	2.13E−04	7.71E+01

Продолжение табл. 19

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.38E—03	1.01E+01	1.51E+01	4.76E—01	5.05E—04	7.43E+01
120	6.29E—03	1.71E+01	1.17E+01	3.12E—01	9.13E—04	7.09E+01
130	1.73E—02	2.29E+01	9.51E+00	2.13E—01	1.21E—03	6.74E+01
140	3.67E—02	2.80E+01	8.09E+00	1.50E—01	1.43E—03	6.37E+01
150	5.88E—02	3.29E+01	7.03E+00	1.09E—01	1.66E—03	5.99E+01
160	8.57E—02	3.76E+01	6.14E+00	8.10E—02	1.94E—03	5.61E+01
170	1.20E—01	4.23E+01	5.35E+00	6.11E—02	2.32E—03	5.22E+01
180	1.63E—01	4.69E+01	4.66E+00	4.64E—02	2.86E—03	4.82E+01
190	2.17E—01	5.14E+01	4.03E+00	3.55E—02	3.60E—03	4.43E+01
200	2.83E—01	5.57E+01	3.47E+00	2.71E—02	4.59E—03	4.05E+01
210	3.63E—01	5.99E+01	2.98E+00	2.07E—02	5.88E—03	3.67E+01
220	4.61E—01	6.38E+01	2.54E+00	1.58E—02	7.55E—03	3.32E+01
230	5.79E—01	6.75E+01	2.16E+00	1.20E—02	9.68E—03	2.97E+01
240	7.20E—01	7.09E+01	1.82E+00	9.06E—03	1.24E—02	2.65E+01
250	8.87E—01	7.40E+01	1.53E+00	6.83E—03	1.57E—02	2.36E+01
260	1.08E+00	7.68E+01	1.28E+00	5.13E—03	1.99E—02	2.08E+01
270	1.32E+00	7.93E+01	1.07E+00	3.85E—03	2.51E—02	1.83E+01
280	1.59E+00	8.14E+01	8.89E—01	2.87E—03	3.15E—02	1.60E+01
290	1.91E+00	8.33E+01	7.36E—01	2.14E—03	3.93E—02	1.40E+01
300	2.28E+00	8.49E+01	6.07E—01	1.59E—03	4.88E—02	1.22E+01
310	2.72E+00	8.61E+01	5.01E—01	1.18E—03	6.04E—02	1.06E+01
320	3.22E+00	8.71E+01	4.11E—01	8.72E—04	7.43E—02	9.16E+00
330	3.80E+00	8.79E+01	3.36E—01	6.43E—04	9.11E—02	7.90E+00
340	4.46E+00	8.84E+01	2.75E—01	4.74E—04	1.11E—01	6.80E+00
350	5.23E+00	8.86E+01	2.24E—01	3.48E—04	1.35E—01	5.84E+00
360	6.10E+00	8.86E+01	1.82E—01	2.55E—04	1.64E—01	5.00E+00
370	7.10E+00	8.83E+01	1.48E—01	1.87E—04	1.99E—01	4.27E+00
380	8.23E+00	8.78E+01	1.20E—01	1.37E—04	2.39E—01	3.64E+00
390	9.51E+00	8.70E+01	9.68E—02	9.98E—05	2.87E—01	3.10E+00
400	1.09E+01	8.60E+01	7.80E—02	7.26E—05	3.44E—01	2.63E+00
410	1.26E+01	8.47E+01	6.28E—02	5.28E—05	4.10E—01	2.22E+00
420	1.44E+01	8.32E+01	5.03E—02	3.83E—05	4.87E—01	1.88E+00
430	1.64E+01	8.15E+01	4.03E—02	2.77E—05	5.76E—01	1.58E+00
440	1.85E+01	7.94E+01	3.21E—02	1.99E—05	6.78E—01	1.32E+00
450	2.09E+01	7.71E+01	2.55E—02	1.43E—05	7.95E—01	1.11E+00
460	2.35E+01	7.46E+01	2.02E—02	1.03E—05	9.27E—01	9.20E—01
470	2.63E+01	7.18E+01	1.59E—02	7.33E—06	1.08E+00	7.63E—01
480	2.93E+01	6.88E+01	1.25E—02	5.22E—06	1.24E+00	6.30E—01
490	3.24E+01	6.57E+01	9.79E—03	3.69E—06	1.43E+00	5.18E—01
500	3.56E+01	6.23E+01	7.62E—03	2.61E—06	1.63E+00	4.23E—01
510	3.90E+01	5.88E+01	5.91E—03	1.83E—06	1.85E+00	3.45E—01
520	4.24E+01	5.52E+01	4.56E—03	1.28E—06	2.09E+00	2.79E—01
530	4.59E+01	5.15E+01	3.50E—03	8.90E—07	2.34E+00	2.25E—01
540	4.93E+01	4.79E+01	2.67E—03	6.17E—07	2.61E+00	1.81E—01
550	5.27E+01	4.42E+01	2.03E—03	4.25E—07	2.90E+00	1.44E—01
560	5.61E+01	4.06E+01	1.54E—03	2.92E—07	3.20E+00	1.14E—01
570	5.93E+01	3.71E+01	1.16E—03	2.00E—07	3.50E+00	9.05E—02

Продолжение табл. 19

z, км	He S, %	O S, %	O$_2$ S, %	Ar S, %	H S, %	N S, %
580	6.23E+01	3.38E+01	8.68E−04	1.36E−07	3.82E+00	7.12E−02
590	6.52E+01	3.06E+01	6.48E−04	9.22E−08	4.14E+00	5.58E−02
600	6.79E+01	2.76E+01	4.82E−04	6.23E−08	4.47E+00	4.36E−02
610	7.04E+01	2.48E+01	3.58E−04	4.20E−08	4.81E+00	3.39E−02
620	7.27E+01	2.22E+01	2.64E−04	2.82E−08	5.14E+00	2.63E−02
630	7.47E+01	1.98E+01	1.93E−04	1.89E−08	5.48E+00	2.03E−02
640	7.66E+01	1.76E+01	1.43E−04	1.26E−08	5.82E+00	1.57E−02
650	7.83E+01	1.56E+01	1.05E−04	8.43E−09	6.16E+00	1.20E−02
660	7.97E+01	1.38E+01	7.69E−05	5.62E−09	6.50E+00	9.24E−03
670	8.10E+01	1.21E+01	5.62E−05	3.74E−09	6.85E+00	7.08E−03
680	8.21E+01	1.07E+01	4.10E−05	2.48E−09	7.19E+00	5.42E−03
690	8.31E+01	9.40E+00	2.99E−05	1.65E−09	7.53E+00	4.14E−03
700	8.39E+01	8.25E+00	2.18E−05	1.09E−09	7.87E+00	3.16E−03
710	8.45E+01	7.23E+00	1.59E−05	7.25E−10	8.22E+00	2.41E−03
720	8.51E+01	6.34E+00	1.15E−05	4.81E−10	8.57E+00	1.83E−03
730	8.56E+01	5.54E+00	8.39E−06	3.19E−10	8.92E+00	1.40E−03
740	8.59E+01	4.85E+00	6.10E−06	2.11E−10	9.27E+00	1.06E−03
750	8.61E+01	4.23E+00	4.43E−06	1.40E−10	9.62E+00	8.09E−04
760	8.63E+01	3.70E+00	3.22E−06	9.29E−11	9.98E+00	6.16E−04
770	8.64E+01	3.23E+00	2.34E−06	6.16E−11	1.03E+01	4.69E−04
780	8.65E+01	2.82E+00	1.70E−06	4.09E−11	1.07E+01	3.57E−04
790	8.65E+01	2.46E+00	1.21E−06	2.71E−11	1.11E+01	2.71E−04
800	8.64E+01	2.14E+00	9.00E−07	1.80E−11	1.15E+01	2.07E−04
D 172; LAT −80; LON − 45; LT −12; *F*—70; *FAV*—70; A_i — 100; UTI − 9						
80	5.42E−04	9.00E−04	2.09E+01	9.57E−01	1.74E−05	7.81E+01
90	5.99E−04	2.20E−01	2.08E+01	9.48E−01	1.18E−04	7.80E+01
100	9.44E−04	2.38E+00	1.99E+01	8.41E−01	2.07E−04	7.69E+01
110	2.13E−03	6.32E+00	1.84E+01	6.59E−01	4.34E−04	7.46E+01
120	4.23E−03	9.70E+00	1.73E+01	5.25E−01	6.44E−04	7.25E+01
130	7.38E−03	1.23E+01	1.62E+01	4.33E−01	7.94E−04	7.10E+01
140	1.18E−02	1.44E+01	1.52E+01	3.66E−01	9.05E−04	7.00E+01
150	1.78E−02	1.64E+01	1.41E+01	3.12E−01	1.02E−03	6.91E+01
160	2.58E−02	1.84E+01	1.32E+01	2.66E−01	1.17E−03	6.81E+01
170	3.59E−02	2.03E+01	1.24E+01	2.27E−01	1.38E−03	6.71E+01
180	4.88E−02	2.23E+01	1.16E+01	1.94E−01	1.67E−03	6.59E+01
190	6.48E−02	2.43E+01	1.08E+01	1.66E−01	2.07E−03	6.46E+01
200	8.46E−02	2.64E+01	1.01E+01	1.43E−01	2.61E−03	6.33E+01
210	1.09E−01	2.86E+01	9.45E+00	1.22E−01	3.31E−03	6.17E+01
220	1.38E−01	3.08E+01	8.82E+00	1.05E−01	4.20E−03	6.01E+01
230	1.73E−01	3.32E+01	8.21E+00	9.00E−02	5.34E−03	5.83E+01
240	2.16E−01	3.56E+01	7.63E+00	7.72E−02	6.75E−03	6.65E+01
250	2.66E−01	3.81E+01	7.07E+00	6.62E−02	8.50E−03	5.45E+01
260	3.25E−01	4.07E+01	6.54E+00	5.66E−02	1.06E−02	5.24E+01
270	3.95E−01	4.33E+01	6.04E+00	4.84E−02	1.32E−02	5.02E+01
280	4.76E−01	4.59E+01	5.55E+00	4.12E−02	1.64E−02	4.80E+01
290	5.70E−01	4.86E+01	5.09E+00	3.51E−02	2.01E−02	4.57E+01
300	6.78E−01	5.12E+01	4.66E+00	2.98E−02	2.46E−02	4.34E+01

Продолжение табл. 19

z, км	He/S, %	O S, %	O_2S, %	Ar/S, %	H S, %	N_2S, %
310	8.14E—01	5.31E+01	4.31E+00	2.56E—02	3.04E—02	4.17E+01
320	9.57E—01	5.58E+01	3.92E+00	2.16E—02	3.66E—02	3.93E+01
330	1.12E+00	5.84E+01	3.54E+00	1.82E—02	4.40E—02	3.69E+01
340	1.30E+00	6.09E+01	3.20E+00	1.53E—02	5.26E—02	3.45E+01
350	1.51E+00	6.33E+01	2.88E+00	1.28E—02	6.26E—02	3.22E+01
360	1.74E+00	6.56E+01	2.59E+00	1.07E—02	7.42E—02	3.00E+01
370	2.00E+00	6.77E+01	2.32E+00	8.96E—03	8.75E—02	2.79E+01
380	2.29E+00	6.97E+01	2.08E+00	7.47E—03	1.03E—01	2.58E+01
390	2.61E+00	7.16E+01	1.85E+00	6.21E—03	1.21E—01	2.38E+01
400	2.97E+00	7.33E+01	1.65E+00	5.16E—03	1.41E—01	2.20E+01
410	3.37E+00	7.48E+01	1.47E+00	4.28E—03	1.64E—01	2.02E+01
420	3.81E+00	7.61E+01	1.30E+00	3.54E—03	1.90E—01	1.86E+01
430	4.29E+00	7.73E+01	1.15E+00	2.92E—03	2.19E—01	1.70E+01
440	4.82E+00	7.84E+01	1.02E+00	2.41E—03	2.53E—01	1.55E+01
450	5.40E+00	7.92E+01	8.86E—01	1.99E—03	2.91E—01	1.42E+01
460	6.03E+00	7.99E+01	7.89E—01	1.63E—03	3.33E—01	1.29E+01
470	6.72E+00	8.05E+01	6.94E—01	1.34E—03	3.81E—01	1.17E+01
480	7.48E+00	8.08E+01	6.09E—01	1.10E—03	4.35E—01	1.07E+01
490	8.29E+00	8.10E+01	5.33E—01	9.01E—04	4.94E—01	9.66E+00
500	9.18E+00	8.11E+01	4.66E—01	7.37E—04	5.61E—01	8.74E+00
510	1.01E+01	8.09E+01	4.07E—01	6.02E—04	6.35E—01	7.89E+00
520	1.12E+01	8.06E+01	3.55E—01	4.91E—04	7.18E—01	7.12E+00
530	1.23E+01	8.02E+01	3.09E—01	4.00E—04	8.08E—01	6.41E+00
540	1.34E+01	7.96E+01	2.69E—01	3.26E—04	9.09E—01	5.76E+00
550	1.47E+01	7.89E+01	2.33E—01	2.65E—04	1.02E+00	5.16E+00
560	1.61E+01	7.80E+01	2.02E—01	2.15E—04	1.14E+00	4.63E+00
570	1.75E+01	7.69E+01	1.75E—01	1.74E—04	1.27E+00	4.14E+00
580	1.90E+01	7.57E+01	1.51E—01	1.41E—04	1.42E+00	3.69E+00
590	2.06E+01	7.44E+01	1.30E—01	1.14E—04	1.57E+00	3.29E+00
600	2.23E+01	7.30E+01	1.12E—01	9.16E—05	1.74E+00	2.92E+00
610	2.40E+01	7.14E+01	9.61E—02	7.38E—05	1.93E+00	2.59E+00
620	2.58E+01	6.97E+01	8.26E—02	5.93E—05	2.12E+00	2.30E+00
630	2.77E+01	6.79E+01	7.07E—02	4.76E—05	2.33E+00	2.03E+00
640	2.96E+01	6.60E+01	6.04E—02	3.81E—05	2.56E+00	1.79E+00
650	3.16E+01	6.39E+01	5.15E—02	3.05E—05	2.80E+00	1.58E+00
660	3.37E+01	6.18E+01	4.39E—02	2.43E—05	3.05E+00	1.39E+00
670	3.58E+01	5.97E+01	3.73E—02	1.94E—05	3.32E+00	1.22E+00
680	3.79E+01	5.74E+01	3.16E—02	1.54E—05	3.60E+00	1.06E+00
690	4.00E+01	5.52E+01	2.67E—02	1.22E—05	3.89E+00	9.29E—01
700	4.21E+01	5.28E+01	2.25E—02	9.71E—06	4.20E+00	8.10E—01
710	4.43E+01	5.05E+01	1.90E—02	7.68E—06	4.51E+00	7.01E—01
720	4.64E+01	4.82E+01	1.60E—02	6.06E—06	4.84E+00	6.11E—01
730	4.85E+01	4.58E+01	1.34E—02	4.78E—06	5.18E+00	5.29E—01
740	5.05E+01	4.35E+01	1.12E—02	3.76E—06	5.53E+00	4.57E—01
750	5.25E+01	4.12E+01	9.38E—03	2.95E—06	5.89E+00	3.94E—01
760	5.45E+01	3.89E+01	7.83E—03	2.32E—06	6.25E+00	3.39E—01
770	5.64E+01	3.67E+01	6.52E—03	1.81E—06	6.62E+00	2.92E—01
780	5.82E+01	3.45E+01	5.42E—03	1.42E—06	6.99E+00	2.51E—01
790	6.00E+01	3.24E+01	4.50E—03	1.11E—06	7.37E+00	2.16E—01
800	6.17E+01	3.04E+01	3.73E—03	8.62E—07	7.76E+00	1.85E—01

Таблица 20

Широтные вариации состава при средней солнечной активности для летнего солнцестояния в северном и зимнего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—172; LAT—0; LON—45; LT—12; F—150; $F\Delta V$—150; A_p—100; UT1—9					
80	5.59E—04	1.21E—03	2.08E+01	8.92E—01	1.57E—05	7.84E+01
90	6.16E—04	3.08E—01	2.02E+01	8.53E—01	9.68E—05	7.86E+01
100	9.59E—04	3.43E+00	1.78E+01	7.22E—01	1.46E—04	7.80E+01
110	2.53E—03	1.06E+01	1.28E+01	4.70E—01	3.37E—04	7.61E+01
120	7.42E—03	1.90E+01	8.30E+00	2.86E—01	6.83E—04	7.24E+01
130	1.38E—02	2.53E+01	6.07E+00	1.95E—01	7.99E—04	6.85E+01
140	2.18E—02	3.01E+01	5.00E+00	1.42E—01	8.00E—04	6.47E+01
150	3.15E—02	3.42E+01	4.37E+00	1.07E—01	7.81E—04	6.13E+01
160	4.33E—02	3.80E+01	3.89E+00	8.37E—02	7.84E—04	5.79E+01
170	5.71E—02	4.16E+01	3.49E+00	6.68E—02	8.24E—04	5.48E+01
180	7.33E—02	4.50E+01	3.14E+00	5.41E—02	9.06E—04	5.17E+01
190	9.22E—02	4.84E+01	2.83E+00	4.42E—02	1.03E—03	4.87E+01
200	1.14E—01	5.16E+01	2.54E+00	3.63E—02	1.20E—03	4.57E+01
210	1.39E—01	5.47E+01	2.29E+00	2.99E—02	1.43E—03	4.29E+01
220	1.68E—01	5.76E+01	2.05E+00	2.47E—02	1.70E—03	4.01E+01
230	2.01E—01	6.05E+01	1.84E+00	2.04E—02	2.04E—03	3.74E+01
240	2.38E—01	6.33E+01	1.64E+00	1.69E—02	2.46E—03	3.48E+01
250	2.81E—01	6.59E+01	1.47E+00	1.39E—02	2.95E—03	3.23E+01
260	3.29E—01	6.84E+01	1.31E+00	1.15E—02	3.53E—03	2.99E+01
270	3.83E—01	7.08E+01	1.16E+00	9.45E—03	4.21E—03	2.76E+01
280	4.45E—01	7.30E—01	1.03E+00	7.77E—03	5.01E—03	2.55E+01
290	5.13E—01	7.51E+01	9.14E—01	6.38E—03	5.93E—03	2.34E+01
300	5.91E—01	7.71E+01	8.08E—01	5.24E—03	7.01E—03	2.15E+01
310	6.79E—01	7.88E+01	7.15E—01	4.30E—03	8.28E—03	1.98E+01
320	7.75E—01	8.05E+01	6.30E—01	3.52E—03	9.72E—03	1.81E+01
330	8.83E—01	8.21E+01	5.54E—01	2.88E—03	1.14E—02	1.65E+01
340	1.00E+00	8.35E+01	4.87E—01	2.35E—03	1.33E—02	1.50E+01
350	1.14E+00	8.47E+01	4.27E—01	1.92E—03	1.55E—02	1.37E+01
360	1.29E+00	8.59E+01	3.75E—01	1.56E—03	1.80E—02	1.24E+01
370	1.45E+00	8.69E+01	3.28E—01	1.27E—03	2.08E—02	1.13E+01
380	1.63E+00	8.78E+01	2.87E—01	1.04E—03	2.41E—02	1.02E+01
390	1.84E+00	8.86E+01	2.51E—01	8.43E—04	2.78E—02	9.27E+00
400	2.06E+00	8.93E+01	2.19E—01	6.85E—04	3.21E—02	8.39E+00
410	2.31E+00	8.99E+01	1.91E—01	5.57E—04	3.69E—02	7.59E+00
420	2.58E+00	9.04E+01	1.67E—01	4.52E—04	4.24E—02	6.86E+00
430	2.88E+00	9.07E+01	1.45E—01	3.67E—04	4.86E—02	6.19E+00
440	3.22E+00	9.10E+01	1.26E—01	2.98E—04	5.57E—02	5.58E+00
450	3.58E+00	9.12E+01	1.10E—01	2.42E—04	6.37E—02	5.04E+00
460	3.98E+00	9.13E+01	9.58E—02	1.96E—04	7.27E—02	4.54E+00
470	4.43E+00	9.13E+01	8.33E—02	1.59E—04	8.29E—02	4.09E+00
480	4.91E+00	9.12E+01	7.23E—02	1.29E—04	9.45E—02	3.68E+00
490	5.44E+00	9.11E+01	6.28E—02	1.04E—04	1.07E—01	3.31E+00
500	6.02E+00	9.08E+01	5.45E—02	8.44E—05	1.22E—01	2.97E+00

Продолжение табл. 20

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	6.66E+00	9.05E+01	4.73E−02	6.83E−05	1.38E−01	2.67E+00
520	7.35E+00	9.01E+01	4.10E−02	5.53E−05	1.57E−01	2.39E+00
530	8.10E+00	8.95E+01	3.55E−02	4.47E−05	1.77E−01	2.15E+00
540	8.91E+00	8.89E+01	3.08E−02	3.62E−05	2.00E−01	1.92E+00
550	9.80E+00	8.82E+01	2.66E−02	2.92E−05	2.26E−01	1.72E+00
560	1.08E+01	8.74E+01	2.30E−02	2.36E−05	2.54E−01	1.54E+00
570	1.18E+01	8.65E+01	1.99E−02	1.91E−05	2.86E−01	1.38E+00
580	1.29E+01	8.55E+01	1.72E−02	1.54E−05	3.21E−01	1.23E+00
590	1.41E+01	8.44E+01	1.48E−02	1.24E−05	3.60E−01	1.10E+00
600	1.54E+01	8.32E+01	1.28E−02	9.98E−06	4.02E−01	9.78E−01
610	1.67E+01	8.19E+01	1.10E−02	8.03E−06	4.49E−01	8.70E−01
620	1.82E+01	8.05E+01	9.44E−03	6.45E−06	5.01E−01	7.73E−01
630	1.97E+01	7.90E+01	8.10E−03	5.18E−06	5.57E−01	6.86E−01
640	2.14E+01	7.74E+01	6.95E−03	4.16E−06	6.18E−01	6.09E−01
650	2.31E+01	7.57E+01	5.95E−03	3.33E−06	6.84E−01	5.39E−01
660	2.49E+01	7.39E+01	5.09E−03	2.66E−06	7.56E−01	4.76E−01
670	2.68E+01	7.20E+01	4.34E−03	2.13E−06	8.34E−01	4.20E−01
680	2.87E+01	7.00E+01	3.70E−03	1.70E−06	9.18E−01	3.70E−01
690	3.08E+01	6.79E+01	3.15E−03	1.35E−06	1.01E+00	3.25E−01
700	3.28E+01	6.58E+01	2.67E−03	1.08E−06	1.10E+00	2.86E−01
710	3.50E+01	6.35E+01	2.27E−03	8.56E−07	1.20E+00	2.50E−01
720	3.72E+01	6.13E+01	1.92E−03	6.79E−07	1.31E+00	2.19E−01
730	3.95E+01	5.89E+01	1.62E−03	5.37E−07	1.42E+00	1.91E−01
740	4.17E+01	5.66E+01	1.37E−03	4.25E−07	1.54E+00	1.66E−01
750	4.40E+01	5.42E+01	1.15E−03	3.35E−07	1.67E+00	1.44E−01
760	4.63E+01	5.17E+01	9.66E−04	2.64E−07	1.80E+00	1.25E−01
770	4.86E+01	4.93E+01	8.10E−04	2.07E−07	1.93E+00	1.09E−01
780	5.09E+01	4.69E+01	6.78E−04	1.63E−07	2.07E+00	9.38E−02
790	5.32E+01	4.45E+01	5.66E−04	1.28E−07	2.22E+00	8.08E−02
800	5.54E+01	4.22E+01	4.72E−04	9.98E−08	2.37E+00	6.96E−02

D—172; LAT—40; LON—45; LT—12; *F*—150; $\sqrt{F}\Delta V$—150; A_p—100; UT1—9

80	5.12E−04	1.11E−03	2.08E+01	8.93E−01	1.38E−05	7.83E+01
90	6.05E−04	2.80E−01	2.02E+01	8.50E−01	8.66E−05	7.86E+01
100	9.58E−04	3.13E+00	1.79E+01	7.14E−01	1.35E−04	7.82E+01
110	2.34E−03	9.10E+00	1.34E+01	4.93E−01	2.76E−04	7.70E+01
120	1.93E−03	1.55E+01	9.19E+00	3.28E−01	4.35E−04	7.50E+01
130	5.80E−03	2.02E+01	6.99E+00	2.34E−01	4.77E−04	7.26E+01
140	6.75E−03	2.38E+01	5.94E+00	1.76E−01	4.51E−04	7.01E+01
150	9.18E−03	2.69E+01	5.33E+00	1.38E−01	4.19E−04	6.77E+01
160	1.24E−02	2.97E+01	4.87E+00	1.11E−01	4.05E−04	6.53E+01
170	1.63E−02	3.24E+01	4.48E+00	9.19E−02	4.14E−04	6.30E+01
180	2.09E−02	3.50E+01	4.14E+00	7.69E−02	4.45E−04	6.07E+01
190	2.62E−02	3.76E+01	3.82E+00	6.49E−02	4.99E−04	5.85E+01
200	3.25E−02	4.02E+01	3.52E+00	5.51E−02	5.77E−04	5.61E+01

Продолжение табл. 20

z, км	He/S, %	O/S, %	O_3/S, %	Ar/S, %	H/S, %	N_2/S, %
210	3.96E—02	1.29E+01	3.25E+00	4.70E—02	6.79E—04	5.38E+01
220	1.79E—02	4.55E+01	3.00E+00	4.01E—02	8.08E—04	5.15E+01
230	5.74E—02	1.81E+01	2.75E+00	3.42E—02	9.67E—04	4.91E+01
240	6.83E—02	5.07E+01	2.53E+00	2.92E—02	1.16E—03	4.67E+01
250	8.07E—02	5.32E+01	2.31E+00	2.49E—02	1.39E—03	4.43E+01
260	9.48E—02	5.58E+01	2.12E+00	2.12E—02	1.66E—03	4.20E+01
270	1.11E—01	5.83E+01	1.93E+00	1.80E—02	1.99E—03	3.97E+01
280	1.29E—01	6.07E+01	1.76E+00	1.53E—02	2.36E—03	3.74E+01
290	1.49E—01	6.31E+01	1.59E+00	1.30E—02	2.80E—03	3.51E+01
300	1.72E—01	6.54E+01	1.45E+00	1.10E—02	3.31E—03	3.30E+01
310	1.99E—01	6.74E+01	1.32E+00	9.34E—03	3.93E—03	3.10E+01
320	2.28E—01	6.96E+01	1.19E+00	7.87E—03	4.60E—03	2.90E+01
330	2.60E—01	7.17E+01	1.07E+00	6.62E—03	5.38E—03	2.70E+01
340	2.95E—01	7.37E+01	9.60E—01	5.57E—03	6.27E—03	2.51E+01
350	3.35E—01	7.55E+01	8.61E—01	4.67E—03	7.29E—03	2.32E+01
360	3.79E—01	7.73E+01	7.72E—01	3.92E—03	8.45E—03	2.15E+01
370	4.28E—01	7.90E+01	6.90E—01	3.28E—03	9.78E—03	1.99E+01
380	4.81E—01	8.05E+01	6.17E—01	2.74E—03	1.13E—02	1.84E+01
390	5.41E—01	8.19E+01	5.50E—01	2.29E—03	1.30E—02	1.70E+01
400	6.07E—01	8.33E+01	4.91E—01	1.91E—03	1.49E—02	1.56E+01
410	6.79E—01	8.45E+01	4.37E—01	1.60E—03	1.71E—02	1.44E+01
420	7.59E—01	8.56E+01	3.89E—01	1.33E—03	1.96E—02	1.32E+01
430	8.46E—01	8.67E+01	3.46E—01	1.11E—03	2.24E—02	1.21E+01
440	9.43E—01	8.75E+01	3.07E—01	9.22E—04	2.56E—02	1.11E+01
450	1.05E+00	8.85E+01	2.72E—01	7.68E—04	2.92E—02	1.02E+01
460	1.17E+00	8.92E+01	2.42E—01	6.38E—04	3.32E—02	9.34E+00
470	1.29E+00	8.99E+01	2.14E—01	5.31E—04	3.77E—02	8.55E+00
480	1.43E+00	9.05E+01	1.90E—01	4.41E—04	4.28E—02	7.82E+00
490	1.59E+00	9.10E+01	1.68E—01	3.67E—04	4.85E—02	7.15E+00
500	1.75E+00	9.15E+01	1.49E—01	3.05E—04	5.49E—02	6.53E+00
510	1.94E+00	9.19E+01	1.32E—01	2.53E—04	6.21E—02	5.97E+00
520	2.14E+00	9.22E+01	1.16E—01	2.10E—04	7.02E—02	5.45E+00
530	2.35E+00	9.25E+01	1.03E—01	1.74E—04	7.92E—02	4.97E+00
540	2.59E+00	9.27E+01	9.10E—02	1.45E—04	8.93E—02	4.53E+00
550	2.85E+00	9.28E+01	8.04E—02	1.20E—04	1.01E—01	4.13E+00
560	3.13E+00	9.29E+01	7.10E—02	9.97E—05	1.13E—01	3.77E+00
570	3.44E+00	9.29E+01	6.27E—02	8.28E—05	1.27E—01	3.43E+00
580	3.78E+00	9.29E+01	5.54E—02	6.87E—05	1.43E—01	3.13E+00
590	4.14E+00	9.28E+01	4.89E—02	5.70E—05	1.60E—01	2.85E+00
600	4.53E+00	9.27E+01	4.31E—02	4.73E—05	1.80E—01	2.59E+00
610	4.96E+00	9.21E+01	3.81E—02	3.92E—05	2.01E—01	2.36E+00
620	5.42E+00	9.22E+01	3.36E—02	3.25E—05	2.25E—01	2.14E+00
630	5.92E+00	9.18E+01	2.96E—02	2.70E—05	2.51E—01	1.95E+00
640	6.46E+00	9.15E+01	2.61E—02	2.24E—05	2.81E—01	1.77E+00
650	7.04E+00	9.10E+01	2.30E—02	1.86E—05	3.13E—01	1.61E+00
660	7.67E+00	9.05E+01	2.02E—02	1.54E—05	3.49E—01	1.46E+00

Продолжение табл. 20

z, км	He,S, %	O·S, %	O₂S, %	A+,S, %	H/S, %	N₂/S, %
670	8.35E+00	8.99E+01	1.78E—02	1.27E—05	3.88E—01	1.32E+00
680	9.07E+00	8.93E+01	1.57E—02	1.06E—05	4.31E—01	1.20E+00
690	9.85E+00	8.86E+01	1.38E—02	8.75E—06	4.79E—01	1.09E+00
700	1.07E+01	8.78E+01	1.21E—02	7.24E—06	5.31E—01	9.87E—01
710	1.16E+01	8.69E+01	1.07E—02	6.00E—06	5.89E—01	8.93E—01
720	1.25E+01	8.60E+01	9.36E—03	4.96E—06	6.51E—01	8.08E—01
730	1.35E+01	8.50E+01	8.22E—03	4.10E—06	7.20E—01	7.31E—01
740	1.46E+01	8.39E+01	7.21E—03	3.39E—06	7.94E—01	6.60E—01
750	1.57E+01	8.27E+01	6.32E—03	2.80E—06	8.75E—01	5.96E—01
760	1.69E+01	8.16E+01	5.53E—03	2.31E—06	9.63E—01	5.37E—01
770	1.82E+01	8.03E+01	4.84E—03	1.91E—06	1.06E+00	4.84E—01
780	1.95E+01	7.89E+01	4.23E—03	1.57E—06	1.16E+00	4.36E—01
790	2.09E+01	7.74E+01	3.69E—03	1.30E—06	1.27E+00	3.92E—01
800	2.24E+01	7.59E+01	3.22E—03	1.07E—06	1.39E+00	3.52E—01

D—172; LAT—80; LON—45; LT—12; *F*—150, FAV—150; A_p—100; UT1—9

80	5.37E—04	3.23E—01	2.08E+01	9.66E—01	1.40E—05	7.82E+01
90	5.89E—04	2.26E—01	2.05E+01	9.67E—01	8.69E—05	7.83E+01
100	9.51E—04	2.49E+00	1.88E+01	8.66E—01	1.48E—04	7.79E+01
110	2.09E—03	6.71E+00	1.57E+01	7.03E—01	2.77E—04	7.69E+01
120	3.29E—03	7.05E+01	1.27E+01	5.81E—01	3.61E—04	7.62E+01
130	2.65E—03	1.32E+01	1.09E+01	5.01E—01	3.81E—04	7.54E+01
140	2.14E—03	1.51E+01	9.87E+00	4.42E—01	3.59E—04	7.46E+01
150	3.16E—03	1.67E+01	9.19E+00	3.93E—01	3.36E—04	7.37E+01
160	4.26E—03	1.83E+01	8.66E+00	3.48E—01	3.29E—04	7.27E+01
170	5.62E—03	1.97E+01	8.18E+00	3.08E—01	3.40E—04	7.18E+01
180	7.25E—03	2.12E+01	7.74E+00	2.71E—01	3.72E—04	7.08E+01
190	9.21E—03	2.28E+01	7.32E+00	2.39E—01	4.24E—04	6.97E+01
200	1.16E—02	2.44E+01	6.92E+00	2.10E—01	4.98E—04	6.85E+01
210	1.43E—02	2.61E+01	6.55E+00	1.84E—01	5.96E—04	6.72E+01
220	1.76E—02	2.79E+01	6.18E+00	1.62E—01	7.23E—04	6.58E+01
230	2.15E—02	2.98E+01	5.82E+00	1.42E—01	8.83E—04	6.43E+01
240	2.61E—02	3.17E+01	5.47E+00	1.24E—01	1.08E—03	6.26E+01
250	3.15E—02	3.38E+01	5.14E+00	1.09E—01	1.32E—03	6.09E+01
260	3.79E—02	3.60E+01	4.81E+00	9.52E—02	1.62E—03	5.91E+01
270	4.52E—02	3.82E+01	4.49E+00	8.29E—02	1.97E—03	5.71E+01
280	5.38E—02	4.06E+01	4.19E+00	7.21E—02	2.40E—03	5.51E+01
290	6.37E—02	4.29E+01	3.89E+00	6.26E—02	2.91E—03	5.30E+01
300	7.51E—02	4.54E+01	3.61E+00	5.42E—02	3.52E—03	5.09E+01
310	8.92E—02	4.72E+01	3.38E+00	4.74E—02	4.28E—03	4.93E+01
320	1.04E—01	4.97E+01	3.11E+00	4.08E—02	5.13E—03	4.70E+01
330	1.21E—01	5.23E+01	2.86E+00	3.51E—02	6.11E—03	4.47E+01
340	1.41E—01	5.49E+01	2.62E+00	3.01E—02	7.27E—03	4.23E+01
350	1.63E—01	5.74E+01	2.40E+00	2.57E—02	8.62E—03	4.00E+01
360	1.88E—01	5.98E+01	2.19E+00	2.20E—02	1.02E—02	3.78E+01

Продолжение табл. 20

z, км	He·S, %	O·S, %	O₂·S, %	Ar·S, %	H·S, %	N₂·S, %
370	2.15E−01	6.22E+01	1.99E+00	1.87E−02	1.20E−02	3.56E+01
380	2.47E−01	6.45E+01	1.81E+00	1.59E−02	1.41E−02	3.34E+01
390	2.82E−01	6.67E+01	1.64E+00	1.35E−02	1.65E−02	3.13E+01
400	3.21E−01	6.89E+01	1.49E+00	1.15E−02	1.93E−02	2.93E+01
410	3.65E−01	7.09E+01	1.34E+00	9.70E−03	2.24E−02	2.73E+01
420	4.11E−01	7.29E+01	1.21E+00	8.19E−03	2.61E−02	2.55E+01
430	4.68E−01	7.47E+01	1.09E+00	6.91E−03	3.02E−02	2.37E+01
440	5.27E−01	7.65E+01	9.80E−01	5.82E−03	3.49E−02	2.20E+01
450	5.94E−01	7.81E+01	8.80E−01	4.89E−03	4.02E−02	2.04E+01
460	6.67E−01	7.96E+01	7.88E−01	4.11E−03	4.63E−02	1.89E+01
470	7.48E−01	8.11E+01	7.05E−01	3.45E−03	5.32E−02	1.74E+01
480	8.36E−01	8.24E+01	6.31E−01	2.89E−03	6.09E−02	1.61E+01
490	9.34E−01	8.36E+01	5.65E−01	2.42E−03	6.97E−02	1.48E+01
500	1.04E+00	8.47E+01	5.02E−01	2.03E−03	7.96E−02	1.37E+01
510	1.16E+00	8.57E+01	4.48E−01	1.70E−03	9.08E−02	1.26E+01
520	1.29E+00	8.67E+01	3.93E−01	1.42E−03	1.03E−01	1.16E+01
530	1.43E+00	8.75E+01	3.55E−01	1.18E−03	1.17E−01	1.06E+01
540	1.59E+00	8.82E+01	3.15E−01	9.89E−04	1.33E−01	9.74E+00
550	1.76E+00	8.89E+01	2.80E−01	8.25E−04	1.51E−01	8.93E+00
560	1.94E+00	8.95E+01	2.49E−01	6.88E−04	1.71E−01	8.18E+00
570	2.14E+00	9.00E+01	2.21E−01	5.74E−04	1.93E−01	7.49E+00
580	2.36E+00	9.01E+01	1.96E−01	4.78E−04	2.18E−01	6.85E+00
590	2.61E+00	9.07E+01	1.74E−01	3.98E−04	2.46E−01	6.27E+00
600	2.87E+00	9.10E+01	1.54E−01	3.32E−04	2.77E−01	5.73E+00
610	3.15E+00	9.12E+01	1.36E−01	2.76E−04	3.12E−01	5.23E+00
620	3.46E+00	9.13E+01	1.21E−01	2.30E−04	3.51E−01	4.78E+00
630	3.80E+00	9.13E+01	1.07E−01	1.91E−04	3.94E−01	4.36E+00
640	4.16E+00	9.13E+01	9.45E−02	1.59E−04	4.41E−01	3.98E+00
650	4.56E+00	9.12E+01	8.35E−02	1.32E−04	4.94E−01	3.62E+00
660	4.98E+00	9.11E+01	7.38E−02	1.10E−04	5.53E−01	3.30E+00
670	5.45E+00	9.09E+01	6.52E−02	9.16E−05	6.18E−01	3.01E+00
680	5.94E+00	9.06E+01	5.76E−02	7.62E−05	6.90E−01	2.74E+00
690	6.48E+00	9.02E+01	5.09E−02	6.33E−05	7.70E−01	2.49E+00
700	7.06E+00	8.98E+01	4.49E−02	5.23E−05	8.58E−01	2.26E+00
710	7.68E+00	8.93E+01	3.96E−02	4.37E−05	9.55E−01	2.06E+00
720	8.35E+00	8.87E+01	3.49E−02	3.63E−05	1.06E+00	1.87E+00
730	9.08E+00	8.80E+01	3.07E−02	3.01E−05	1.18E+00	1.70E+00
740	9.82E+00	8.73E+01	2.71E−02	2.50E−05	1.31E+00	1.54E+00
750	1.06E+01	8.65E+01	2.38E−02	2.07E−05	1.45E+00	1.39E+00
760	1.15E+01	8.56E+01	2.09E−02	1.72E−05	1.60E+00	1.26E+00
770	1.24E+01	8.46E+01	1.84E−02	1.42E−05	1.77E+00	1.14E+00
780	1.34E+01	8.36E+01	1.62E−02	1.18E−05	1.95E+00	1.03E+00
790	1.44E+01	8.25E+01	1.42E−02	9.73E−06	2.14E+00	9.31E−01
800	1.55E+01	8.12E+01	1.21E−02	8.05E−06	2.36E+00	8.41E−01

Продолжение табл. 20

z, км	He/S, %	O/S, %	O_2/S, %	Ar.S. %	H/S, %	N_2/S. %
D—172; LAT— —40; LON—45; LT—12, *F*—150; $\overline{F}\Delta V$—150, A_p—100; UTI—9						
80	5.45E—04	1.31E 03	2.08E+01	8.91E—01	1.54E 05	7.83E+01
90	6.08E—04	2.36E—01	2.04E+01	8.45E 01	1.00E—04	7.84E+01
100	9.49E—04	3.79E+00	1.84E+01	7.03E—01	1.59E—04	7.71E+01
110	2.40E—03	1.11E+01	1.42E+01	4.70E 01	3.48E—04	7.41E+01
120	6.18E—03	1.88E+01	1.05E+01	3.05E—01	5.68E—04	7.04E+01
130	1.48E—02	2.49E+01	8.28E—00	2.11E 01	6.54E—04	6.66E+01
140	2.81E—02	2.99E+01	7.01E+00	1.52E—01	6.67E—04	6.29E+01
150	4.22E—02	3.44E+01	6.14E+00	1.13E—01	6.67E—04	5.93E+01
160	5.85E—02	3.86E+01	5.44E+00	8.74E—02	6.85E—04	5.58E+01
170	7.76E—02	4.26E+01	4.84E+00	6.87E—02	7.35E—04	5.24E+01
180	1.00E—01	4.65E+01	4.31E+00	5.47E—02	8.20E—04	4.90F+01
190	1.26E—01	5.02E+01	3.84E+00	4.40E—02	9.44E—04	4.57E+01
200	1.57E 01	5.38E 01	3.41E+00	3.56E—02	1.11E 03	4.26E+01
210	1.92E—01	5.72E+01	3.03E+00	2.88E—02	1.33E—03	3.95E+01
220	2.32E—01	6.05E+01	2.69E+00	2.34E—02	1.60E—03	3.66E+01
230	2.78E—01	6.35E+01	2.38E+00	1.90E—02	1.92E—03	3.38E+01
240	3.31E—01	6.64E+01	2.10E+00	1.55E—02	2.32E—03	3.11E+01
250	3.90E 01	6.92E+01	1.85E+00	1.26E—02	2.79E—03	2.86E+01
260	4.58E 01	7.17E+01	1.63E+00	1.02E—02	3.35E—03	2.62E+01
270	5.34E—01	7.40E+01	1.44E+00	8.29E—03	4.01E—03	2.40E+01
280	6.20E—01	7.62E+01	1.26E+00	6.72E 03	4.78E—03	2.19E+01
290	7.16E—01	7.82E+01	1.10E+00	5.44E 03	5.68E—03	2.00E+01
300	8.25E—01	8.00E+01	9.65E—01	4.41E—03	6.72E—03	1.82E+01
310	9.44E—01	8.18E+01	8.41E—01	3.55E 03	7.91E—03	1.64E+01
320	1.08E+00	8.33E+01	7.34E—01	2.87E—03	9.32E—03	1.49E+01
330	1.23E+00	8.46E+01	6.40E—01	2.32E—03	1.09E—02	1.35E+01
340	1.40E+00	8.58E+01	5.57E 01	1.87E—03	1.28E—02	1.22E+01
350	1.59E+00	8.69E+01	4.85E—01	1.51E—03	1.49E—02	1.10E+01
360	1.80E+00	8.78E+01	4.21E 01	1.21E—03	1.74E—02	9.96E+00
370	2.04E+00	8.86E+01	3.66E 01	9.78E—04	2.02E—02	8.98E+00
380	2.30E+00	8.93E+01	3.17E—01	7.87E—04	2.35E—02	8.09E+00
390	2.59E+00	8.98E+01	2.75E—01	6.33E—04	2.72E—02	7.27E+00
400	2.91E+00	9.03E+01	2.38E 01	5.09E—04	3.14E—02	6.54E+00
410	3.26E+00	9.06E+01	2.06E—01	4.09E—04	3.63E—02	5.87E+00
420	3.65E+00	9.09E+01	1.78E—01	3.28E—04	4.18E—02	5.27E+00
430	4.09E+00	9.10E+01	1.54E—01	2.64E—04	4.80E—02	4.73E+00
440	4.57E+00	9.10E+01	1.33E 01	2.12E—04	5.51E 02	4.23E+00
450	5.09E+00	9.09E+01	1.15E—01	1.70E—04	6.32E—02	3.79E+00
460	5.67E+00	9.08E+01	9.90E—02	1.36E—04	7.23E—02	3.39E+00
470	6.31E+00	9.05E+01	8.54E—02	1.09E—04	8.26E—02	3.03E+00
480	7.00E+00	9.01E+01	7.35E 02	8.74E—05	9.43E—02	2.71E+00
490	7.76E+00	8.96E+01	6.33E—02	7.00E 05	1.07E 01	2.42E+00
500	8.59E+00	8.91E+01	5.44E—02	5.60E—05	1.22E 01	2.16E+00

Продолжение табл. 20

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	9.50E+00	8.84E+01	4.68E—02	4.48E—05	1.39E—01	1.92E+00
520	1.05E+01	8.76E+01	4.02E—02	3.58E—05	1.57E—01	1.71E+00
530	1.16E+01	8.67E+01	3.45E—02	2.86E—05	1.78E—01	1.52E+00
540	1.27E+01	8.57E+01	2.96E—02	2.29E—05	2.01E—01	1.35E+00
550	1.40E+01	8.46E+01	2.53E—02	1.82E—05	2.27E—01	1.20E+00
560	1.53E+01	8.34E+01	2.17E—02	1.45E—05	2.55E—01	1.06E+00
570	1.67E+01	8.20E+01	1.85E—02	1.16E—05	2.87E—01	9.40E—01
580	1.83E+01	8.06E+01	1.58E—02	9.20E—06	3.21E—01	8.30E—01
590	1.99E+01	7.90E+01	1.34E—02	7.31E—06	3.59E—01	7.33E—01
600	2.16E+01	7.73E+01	1.14E—02	5.80E—06	4.01E—01	6.46E—01
610	2.34E+01	7.55E+01	9.72E—03	4.59E—06	4.46E—01	5.68E—01
620	2.54E+01	7.36E+01	8.25E—03	3.63E—06	4.96E—01	4.99E—01
630	2.71E+01	7.16E+01	6.98E—03	2.87E—06	5.49E—01	4.37E—01
640	2.95E+01	6.95E+01	5.90E—03	2.26E—06	6.07E—01	3.83E—01
650	3.17E+01	6.73E+01	4.98E—03	1.78E—06	6.69E—01	3.34E—01
660	3.39E+01	6.50E+01	4.19E—03	1.40E—06	7.35E—01	2.91E—01
670	3.62E+01	6.27E+01	3.52E—03	1.10E—06	8.06E—01	2.53E—01
680	3.86E+01	6.03E+01	2.95E—03	8.61E—07	8.81E—01	2.20E—01
690	4.10E+01	5.78E+01	2.47E—03	6.73E—07	9.60E—01	1.90E—01
700	4.35E+01	5.53E+01	2.06E—03	5.25E—07	1.04E+00	1.64E—01
710	4.59E+01	5.28E+01	1.72E—03	4.09E—07	1.13E+00	1.42E—01
720	4.84E+01	5.03E+01	1.43E—03	3.18E—07	1.22E+00	1.23E—01
730	5.08E+01	4.77E+01	1.19E—03	2.46E—07	1.32E+00	1.05E—01
740	5.33E+01	4.52E+01	9.83E—04	1.91E—07	1.42E+00	8.96E—02
750	5.57E+01	4.27E+01	8.12E—04	1.47E—07	1.52E+00	7.66E—02
760	5.80E+01	4.03E+01	6.70E—04	1.14E—07	1.62E+00	6.54E—02
770	6.03E+01	3.79E+01	5.51E—04	8.76E—08	1.73E+00	5.56E—02
780	6.26E+01	3.56E+01	4.53E—04	6.73E—08	1.84E+00	4.72E—02
790	6.47E+01	3.33E+01	3.72E—04	5.17E—08	1.95E+00	4.00E—02
800	6.68E+01	3.13E+01	3.04E—04	3.96E—08	2.06E+00	3.39E—02

D—172; LAT—80; LON—45; LT—12; *F*—150; $\overline{F}$ΔV—150; A_p—100; UTI—9

80	5.45E—04	9.53E—04	2.09E+01	9.54E—01	1.50E—05	7.81E+01
90	6.00E—04	2.34E—01	2.07E+01	9.47E—01	9.40E—05	7.81E+01
100	9.45E—04	2.55E+00	1.96E+01	8.39E—01	1.52E—04	7.71E+01
110	2.19E—03	6.90E+00	1.75E+01	6.53E—01	2.99E—04	7.50E+01
120	4.14E—03	1.07E+01	1.57E+01	5.21E—01	4.00E—04	7.31E+01
130	5.86E—03	1.35E+01	1.44E+01	4.35E—01	4.30E—04	7.17E+01
140	7.98E—03	1.57E+01	1.34E+01	3.72E—01	4.23E—04	7.06E+01
150	1.13E—02	1.76E+01	1.25E+01	3.23E—01	4.14E—04	6.96E+01
160	1.57E—02	1.94E+01	1.17E+01	2.81E—01	4.21E—04	6.85E+01
170	2.11E—02	2.12E+01	1.10E+01	2.45E—01	4.49E—04	6.75E+01
180	2.76E—02	2.29E+01	1.04E+01	2.14E—01	5.01E—04	6.64E+01
190	3.53E—02	2.47E+01	9.82E+00	1.87E—01	5.80E—04	6.53E+01
200	4.45E—02	2.65E+01	9.27E+00	1.64E—01	6.87E—04	6.40E+01

Продолжение табл. 20

z, км	He/S, %	O_2/S, %	O_3S, %	N^+S, %	H/S, %	N_2S, %
210	5.52E−02	2.83E+01	8.76E+00	1.11E−01	8.26E−04	6.27E+01
220	6.78E−02	3.02E+01	8.26E+00	1.27E−01	1.00E−03	6.13E+01
230	8.25E−02	3.22E+01	7.78E+00	1.11E−01	1.22E−03	5.98E+01
240	9.95E−02	3.42E+01	7.32E+00	9.79E−02	1.48E−03	5.83E+01
250	1.19E−01	3.63E+01	6.88E+00	8.63E−02	1.79E−03	5.67E+01
260	1.41E−01	3.84E+01	6.46E+00	7.59E−02	2.17E−03	5.50E+01
270	1.67E−01	4.05E+01	6.06E+00	6.66E−02	2.61E−03	5.32E+01
280	1.96E−01	4.27E+01	5.67E+00	5.85E−02	3.13E−03	5.14E+01
290	2.29E−01	4.49E+01	5.29E+00	5.13E−02	3.73E−03	4.95E+01
300	2.66E−01	4.71E+01	4.93E+00	4.49E−02	4.43E−03	4.76E+01
310	3.12E−01	4.88E+01	4.64E+00	3.98E−02	5.30E−03	4.62E+01
320	3.58E−01	5.11E+01	4.31E+00	3.47E−02	6.21E−03	4.42E+01
330	4.11E−01	5.34E+01	3.99E+00	3.03E−02	7.30E−03	4.22E+01
340	4.69E−01	5.57E+01	3.69E+00	2.63E−02	8.53E−03	4.02E+01
350	5.34E−01	5.79E+01	3.40E+00	2.29E−02	9.93E−03	3.82E+01
360	6.06E−01	6.00E+01	3.13E+00	1.99E−02	1.15E−02	3.62E+01
370	6.86E−01	6.21E+01	2.88E+00	1.73E−02	1.33E−02	3.43E+01
380	7.73E−01	6.41E+01	2.65E+00	1.49E−02	1.54E−02	3.25E+01
390	8.70E−01	6.60E+01	2.43E+00	1.29E−02	1.77E−02	3.06E+01
400	9.76E−01	6.79E+01	2.22E+00	1.12E−02	2.03E−02	2.89E+01
410	1.09E+00	6.96E+01	2.03E+00	9.65E−03	2.32E−02	2.72E+01
420	1.22E+00	7.13E+01	1.86E+00	8.32E−03	2.64E−02	2.56E+01
430	1.36E+00	7.29E+01	1.69E+00	7.17E−03	3.01E−02	2.40E+01
440	1.51E+00	7.44E+01	1.54E+00	6.17E−03	3.42E−02	2.25E+01
450	1.68E+00	7.58E+01	1.40E+00	5.30E−03	3.88E−02	2.10E+01
460	1.86E+00	7.72E+01	1.28E+00	4.53E−03	4.39E−02	1.97E+01
470	2.06E+00	7.84E+01	1.16E+00	3.91E−03	4.95E−02	1.84E+01
480	2.27E+00	7.95E+01	1.05E+00	3.35E−03	5.58E−02	1.71E+01
490	2.50E+00	8.05E+01	9.51E−01	2.87E−03	6.28E−02	1.59E+01
500	2.75E+00	8.15E+01	8.61E−01	2.46E−03	7.05E−02	1.48E+01
510	3.02E+00	8.23E+01	7.78E−01	2.10E−03	7.91E−02	1.38E+01
520	3.31E+00	8.31E+01	7.03E−01	1.80E−03	8.85E−02	1.28E+01
530	3.62E+00	8.37E+01	6.35E−01	1.54E−03	9.90E−02	1.19E+01
540	3.96E+00	8.43E+01	5.73E−01	1.31E−03	1.10E−01	1.10E+01
550	4.33E+00	8.48E+01	5.16E−01	1.12E−03	1.23E−01	1.02E+01
560	4.72E+00	8.52E+01	4.65E−01	9.55E−04	1.37E−01	9.46E+00
570	5.14E+00	8.55E+01	4.19E−01	8.14E−04	1.52E−01	8.75E+00
580	5.59E+00	8.58E+01	3.77E−01	6.94E−04	1.69E−01	8.09E+00
590	6.08E+00	8.59E+01	3.39E−01	5.91E−04	1.88E−01	7.47E+00
600	6.59E+00	8.30E+01	3.04E−01	5.03E−04	2.08E−01	6.90E+00
610	7.15E+00	8.60E+01	2.73E−01	4.28E−04	2.30E−01	6.36E+00
620	7.74E+00	8.59E+01	2.45E−01	3.64E−04	2.54E−01	5.86E+00
630	8.37E+00	8.57E+01	2.20E−01	3.09E−04	2.80E−01	5.40E+00
640	9.04E+00	8.55E+01	1.97E−01	2.63E−04	3.09E−01	4.97E+00
650	9.75E+00	8.52E+01	1.77E−01	2.23E−04	3.40E−01	4.57E+00
660	1.05E+01	8.48E+01	1.58E−01	1.90E−04	3.73E−01	4.20E+00

Продолжение табл. 20

z, км	He'S, %	O'S, %	O$_2$/S, %	Ar/S, %	H/S, %	N$_2$/S, %
670	1.13E+01	8.43E+01	1.41E-01	1.61E—04	1.10E—01	3.86E+00
680	1.22E+01	8.37E+01	1.26E—01	1.36E-04	4.49E-01	3.55E+00
690	1.31E+01	8.31E+01	1.13E—01	1.16E—04	4.92E—01	3.25E+00
700	1.40E+01	8.24E+01	1.01E-01	9.80E—05	5.38E-01	2.98E+00
710	1.50E+01	8.16E+01	9.00E-02	8.30E-05	5.88E-01	2.73E+00
720	1.61E+01	8.07E+01	8.02E—02	7.03E—05	6.42E-01	2.50E+00
730	1.72E+01	7.98E+01	7.15E—02	5.94E—05	6.99E—01	2.28E+00
740	1.83E+01	7.88E+01	6.36E-02	5.02E—05	7.61E—01	2.09E+00
750	1.95E+01	7.77E+01	5.66E 02	4.24E 05	8.26E-01	1.90E+00
760	2.08E+01	7.66E+01	5.03E—02	3.58E—05	8.97E—01	1.74E+00
770	2.21E+01	7.53E+01	4.47E 02	3.02E 05	9.72E-01	1.58E+00
780	2.34E+01	7.40E+01	3.96E—02	2.55E—05	1.05E+00	1.44E+00
790	2.48E+01	7.27E+01	3.51E—02	2.15E—05	1.14E+00	1.31E+00
800	2.63E+01	7.13E+01	3.11E-02	1.81E—05	1.23E+00	1.19E+00

Таблица 21

Широтные вариации состава при высокой солнечной активности для летнего солицестояния в северном и зимнего в южном полушариях

z, км	He/S, %	O/S, %	O$_2$/S, %	Ar/S, %	H/S, %	N$_2$/S, %
D—172; LAT—0; LON—45; LT—12; *F*—200; $\overline{F}$ΔV—200; A_p—100; UT1—9						
80	5.54E—04	1.25E-03	2.07E+01	8.91E—01	1.41E—05	7.84E+01
90	6.17E—04	3.21E-01	2.01E+01	8.51E—01	8.49E—05	7.87E+01
100	9.60E 04	3.60E+00	1.76E+01	7.19E—01	1.21E-04	7.81E+01
110	2.49E—03	1.11E+01	1.24E+01	4.67E-01	2.63E-04	7.60E+01
120	5.09E-03	1.89E+01	8.02E+00	3.06E—01	3.50E-04	7.28E+01
130	9.25E—03	2.44E+01	5.88E+00	2.19E—01	3.38E-04	6.95E+01
140	1.57E—02	2.89E+01	4.87E+00	1.62E—01	3.10E-04	6.61E+01
150	2.34E—02	3.29E+01	4.26E+00	1.24E—01	2.94E—04	6.27E+01
160	3.28E—02	3.68E+01	3.79E+00	9.64E—02	2.95E—04	5.93E+01
170	4.41E—02	4.05E+01	3.40E+00	7.67E-02	3.12E—04	5.60E+01
180	5.73E—02	4.40E+01	3.06E+00	6.21E—02	3.45E—04	5.29E+01
190	7.31E—02	4.74E+01	2.75E+00	5.07E—02	3.98E-04	4.98E+01
200	9.09E-02	5.06E+01	2.48E+00	4.18E—02	4.66E-04	4.68E+01
210	1.11E-01	5.36E+01	2.24E+00	3.47E—02	5.52E—04	4.40E+01
220	1.33E—01	5.66E+01	2.02E+00	2.89E—02	6.57E—04	4.13E+01
230	1.59E—01	5.93E+01	1.82E+00	2.42E—02	7.82E—04	3.87E+01
240	1.87E—01	6.19E+01	1.61E+00	2.03E—02	9.30E—04	3.62E+01
250	2.18E—01	6.44E+01	1.48E+00	1.71E-02	1.10E 03	3.39E+01
260	2.53E—01	6.68E+01	1.34E+00	1.43E—02	1.30E-03	3.16E+01
270	2.91E—01	6.90E+01	1.21E+00	1.21E—02	1.53E—03	2.95E+01
280	3.33E 01	7.11E+01	1.09E+00	1.02E—02	1.79E—03	2.75E+01
290	3.79E—01	7.31E+01	9.77E-01	8.56E-03	2.08E-03	2.56E+01
300	4.29E—01	7.49E+01	8.79E—01	7.21E—03	2.41E-03	2.38E+01

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	4.85E—01	7.67E+01	7.90E—01	6.08E—03	2.79E—03	2.21E+01
320	5.46E—01	7.83E+01	7.09E—01	5.11E—03	3.22E—03	2.05E+01
330	6.14E—01	7.98E+01	6.36E—01	4.30E—03	3.70E—03	1.89E+01
340	6.88E—01	8.12E+01	5.70E—01	3.61E—03	4.25E—03	1.75E+01
350	7.69E—01	8.25E+01	5.10E—01	3.03E—03	4.87E—03	1.62E+01
360	8.59E—01	8.38E+01	4.55E—01	2.54E—03	5.57E—03	1.49E+01
370	9.58E—01	8.49E+01	4.07E—01	2.13E—03	6.36E—03	1.37E+01
380	1.07E+00	8.59E+01	3.63E—01	1.79E—03	7.24E—03	1.27E+01
390	1.18E+00	8.68E+01	3.24E—01	1.50E—03	8.24E—03	1.16E+01
400	1.31E+00	8.77E+01	2.88E—01	1.25E—03	9.36E—03	1.07E+01
410	1.46E+00	8.84E+01	2.57E—01	1.05E—03	1.06E—02	9.83E+00
420	1.61E+00	8.91E+01	2.28E—01	8.75E—04	1.20E—02	9.03E+00
430	1.78E+00	8.97E+01	2.03E—01	7.31E—04	1.36E—02	8.28E+00
440	1.96E+00	9.02E+01	1.81E—01	6.11E—04	1.54E—02	7.59E+00
450	2.16E+00	9.07E+01	1.60E—01	5.11E—04	1.73E—02	6.96E+00
460	2.38E+00	9.11E+01	1.43E—01	4.27E—04	1.95E—02	6.37E+00
470	2.62E+00	9.14E+01	1.27E—01	3.57E—04	2.20E—02	5.84E+00
480	2.88E+00	9.16E+01	1.12E—01	2.98E—04	2.47E—02	5.34E+00
490	3.16E+00	9.18E+01	9.97E—02	2.49E—04	2.77E—02	4.88E+00
500	3.47E+00	9.19E+01	8.84E—02	2.08E—04	3.11E—02	4.47E+00
510	3.80E+00	9.20E+01	7.84E—02	1.73E—04	3.48E—02	4.08E+00
520	4.16E+00	9.20E+01	6.95E—02	1.45E—04	3.90E—02	3.73E+00
530	4.55E+00	9.19E+01	6.16E—02	1.21E—04	4.36E—02	3.41E+00
540	4.97E+00	9.18E+01	5.46E—02	1.01E—04	4.87E—02	3.11E+00
550	5.42E+00	9.16E+01	4.84E—02	8.41E—05	5.44E—02	2.84E+00
560	5.91E+00	9.14E+01	4.28E—02	7.01E—05	6.07E—02	2.59E+00
570	6.44E+00	9.11E+01	3.79E—02	5.85E—05	6.76E—02	2.36E+00
580	7.01E+00	9.07E+01	3.35E—02	4.88E—05	7.52E—02	2.15E+00
590	7.62E+00	9.03E+01	2.97E—02	4.07E—05	8.36E—02	1.96E+00
600	8.28E+00	8.98E+01	2.62E—02	3.39E—05	9.29E—02	1.78E+00
610	8.99E+00	8.93E+01	2.32E—02	2.83E—05	1.03E—01	1.62E+00
620	9.74E+00	8.86E+01	2.05E—02	2.36E—05	1.14E—01	1.48E+00
630	1.06E+01	8.80E+01	1.81E—02	1.96E—05	1.26E—01	1.34E+00
640	1.14E+01	8.72E+01	1.60E—02	1.63E—05	1.40E—01	1.22E+00
650	1.23E+01	8.64E+01	1.41E—02	1.36E—05	1.54E—01	1.11E+00
660	1.33E+01	8.55E+01	1.24E—02	1.13E—05	1.70E—01	1.01E+00
670	1.44E+01	8.45E+01	1.09E—02	9.42E—06	1.88E—01	9.12E—01
680	1.55E+01	8.35E+01	9.63E—03	7.83E—06	2.06E—01	8.27E—01
690	1.66E+01	8.24E+01	8.47E—03	6.50E—06	2.27E—01	7.48E—01
700	1.78E+01	8.12E+01	7.45E—03	5.40E—06	2.49E—01	6.77E—01
710	1.91E+01	8.00E+01	6.55E—03	4.48E—06	2.72E—01	6.12E—01
720	2.05E+01	7.86E+01	5.75E—03	3.72E—06	2.98E—01	5.53E—01
730	2.19E+01	7.73E+01	5.04E—03	3.08E—06	3.26E—01	4.99E—01
740	2.34E+01	7.58E+01	4.41E—03	2.55E—06	3.55E—01	4.49E—01
750	2.50E+01	7.42E+01	3.86E—03	2.11E—06	3.87E—01	4.05E—01
760	2.66E+01	7.26E+01	3.83E—03	1.74E—06	4.20E—01	3.64E—01

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
770	2.82E+01	7.10E+01	2.95E−03	1.44E−06	4.56E−01	3.27E−01
780	3.00E+01	6.93E+01	2.58E−03	1.19E−06	4.94E−01	2.93E−01
790	3.17E+01	6.75E+01	2.24E−03	9.80E−07	5.35E−01	2.63E−01
800	3.35E+01	6.56E+01	1.95E−03	8.07E−07	5.77E−01	2.35E−01
	D—172; LAT—40; LON—45; LT—12; *F*—200; $\overline{F}\Delta V$—200; A_p—100; UT1—9					
80	5.42E−04	1.16E−03	2.08E+01	8.92E−01	1.27E−05	7.83E+01
90	6.07E−04	2.92E−01	2.02E+01	8.49E−01	7.54E−05	7.87E+01
100	9.60E−04	3.28E+00	1.77E+01	7.12E−01	1.11E−04	7.83E+01
110	2.15E−03	9.59E+00	1.29E+01	4.89E−01	2.01E−04	7.70E+01
120	3.69E−03	1.58E+01	8.74E+00	3.38E−01	2.42E−04	7.51E+01
130	4.43E−03	1.99E+01	6.66E+00	2.54E−01	2.13E−04	7.32E+01
140	5.69E−03	2.31E+01	5.70E+00	1.96E−01	1.81E−04	7.10E+01
150	7.90E−03	2.60E+01	5.12E+00	1.55E−01	1.61E−01	6.87E+01
160	1.08E−02	2.88E+01	4.69E+00	1.26E−01	1.54E−04	6.63E+01
170	1.44E−02	3.16E+01	4.32E+00	1.04E−01	1.58E−04	6.40E+01
180	1.86E−02	3.42E+01	3.98E+00	8.68E−02	1.71E−04	6.17E+01
190	2.36E−02	3.69E+01	3.67E+00	7.32E−02	1.94E−04	5.93E+01
200	2.94E−02	3.96E+01	3.39E+00	6.23E−02	2.26E−04	5.70E+01
210	3.58E−02	4.21E+01	3.14E+00	5.33E−02	2.66E−04	5.46E+01
220	4.33E−02	4.47E+01	2.90E+00	4.58E−02	3.16E−04	5.24E+01
230	5.17E−02	4.71E+01	2.68E+00	3.95E−02	3.76E−04	5.01E+01
240	6.11E−02	4.96E+01	2.47E+00	3.40E−02	4.48E−04	4.78E+01
250	7.16E−02	5.20E+01	2.28E+00	2.94E−02	5.31E−04	4.56E+01
260	8.32E−02	5.43E+01	2.10E+00	2.54E−02	6.28E−04	4.34E+01
270	9.62E−02	5.66E+01	1.94E+00	2.20E−02	7.39E−04	4.13E+01
280	1.11E−01	5.89E+01	1.78E+00	1.90E−02	8.66E−04	3.92E+01
290	1.26E−01	6.11E+01	1.64E+00	1.64E−02	1.01E−03	3.71E+01
300	1.44E−01	6.32E+01	1.50E+00	1.42E−02	1.17E−03	3.51E+01
310	1.64E−01	6.51E+01	1.39E+00	1.23E−02	1.37E−03	3.34E+01
320	1.85E−01	6.71E+01	1.27E+00	1.06E−02	1.58E−03	3.15E+01
330	2.08E−01	6.90E+01	1.16E+00	9.13E−03	1.81E−03	2.96E+01
340	2.34E−01	7.09E+01	1.06E+00	7.85E−03	2.08E−03	2.78E+01
350	2.62E−01	7.27E+01	9.63E−01	6.74E−03	2.39E−03	2.61E+01
360	2.93E−01	7.44E+01	8.76E−01	5.79E−03	2.73E−03	2.45E+01
370	3.27E−01	7.60E+01	7.97E−01	4.96E−03	3.11E−03	2.29E+01
380	3.64E−01	7.75E+01	7.23E−01	4.25E−03	3.54E−03	2.14E+01
390	4.05E−01	7.89E+01	6.56E−01	3.64E−03	4.02E−03	2.00E+01
400	4.49E−01	8.03E+01	5.95E−01	3.12E−03	4.56E−03	1.87E+01
410	4.97E−01	8.16E+01	5.39E−01	2.67E−03	5.16E−03	1.74E+01
420	5.50E−01	8.28E+01	4.88E−01	2.28E−03	5.83E−03	1.62E+01
430	6.07E−01	8.39E+01	4.41E−01	1.95E−03	6.57E−03	1.51E+01
440	6.69E−01	8.49E+01	3.98E−01	1.66E−03	7.41E−03	1.40E+01
450	7.37E−01	8.59E+01	3.60E−01	1.42E−03	8.33E−03	1.30E+01
460	8.10E−01	8.68E+01	3.25E−01	1.21E−03	9.36E−03	1.21E+01
470	8.90E−01	8.76E+01	2.93E−01	1.03E−03	1.05E−02	1.12E+01
480	9.77E−01	8.84E+01	2.64E−01	8.78E−04	1.18E−02	1.04E+01
490	1.07E+00	8.90E+01	2.38E−01	7.48E−04	1.32E−02	9.63E+00
500	1.17E+00	8.97E+01	2.14E−01	6.38E−04	1.47E−02	8.92E+00

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	1.28E+00	9.03E+01	1.93E—01	5.43E—04	1.64E—02	8.26E+00
520	1.40E+00	9.08E+01	1.74E—01	4.62E—04	1.84E—02	7.64E+00
530	1.53E+00	9.12E+01	1.56E—01	3.94E—04	2.05E—02	7.07E+00
540	1.67E+00	9.16E+01	1.41E—01	3.35E—04	2.28E—02	6.54E+00
550	1.82E+00	9.20E+01	1.26E—01	2.85E—04	2.54E—02	6.04E+00
560	1.98E+00	9.23E+01	1.14E—01	2.43E—04	2.82E—02	5.58E+00
570	2.16E+00	9.25E+01	1.02E—01	2.07E—04	3.13E—02	5.16E+00
580	2.35E+00	9.28E+01	9.19E—02	1.76E—04	3.48E—02	4.76E+00
590	2.55E+00	9.29E+01	8.26E—02	1.50E—04	3.86E—02	4.40E+00
600	2.77E+00	9.30E+01	7.42E—02	1.27E—04	4.28E—02	4.06E+00
610	3.01E+00	9.31E+01	6.67E—02	1.08E—04	4.74E—02	3.75E+00
620	3.26E+00	9.32E+01	5.99E—02	9.23E—05	5.24E—02	3.46E+00
630	3.54E+00	9.32E+01	5.38E—02	7.86E—05	5.80E—02	3.19E+00
640	3.83E+00	9.31E+01	4.83E—02	6.69E—05	6.41E—02	2.94E+00
650	4.15E+00	9.30E+01	4.34E—02	5.69E—05	7.07E—02	2.71E+00
660	4.48E+00	9.29E+01	3.89E—02	4.85E—05	7.81E—02	2.50E+00
670	4.85E+00	9.27E+01	3.49E—02	4.13E—05	8.61E—02	2.31E+00
680	5.24E+00	9.25E+01	3.14E—02	3.51E—05	9.48E—02	2.13E+00
690	5.65E+00	9.23E+01	2.81E—02	2.99E—05	1.04E—01	1.96E+00
700	6.10E+00	9.20E+01	2.52E—02	2.54E—05	1.15E—01	1.80E+00
710	6.57E+00	9.16E+01	2.26E—02	2.17E—05	1.26E—01	1.66E+00
720	7.08E+00	9.12E+01	2.03E—02	1.84E—05	1.39E—01	1.53E+00
730	7.62E+00	9.08E+01	1.82E—02	1.57E—05	1.52E—01	1.41E+00
740	8.19E+00	9.03E+01	1.63E—02	1.33E—05	1.67E—01	1.29E+00
750	8.81E+00	8.98E+01	1.46E—02	1.14E—05	1.83E—01	1.19E+00
760	9.46E+00	8.92E+01	1.31E—02	9.66E—06	2.00E—01	1.10E+00
770	1.01E+01	8.86E+01	1.17E—02	8.22E—06	2.19E—01	1.01E+00
780	1.09E+01	8.79E+01	1.05E—02	6.99E—06	2.40E—01	9.25E—01
790	1.17E+01	8.72E+01	9.41E—03	5.94E—06	2.62E—01	8.49E—01
800	1.25E+01	8.65E+01	8.42E—03	5.05E—06	2.85E—01	7.79E—01

D—172; LAT—80; LON—45; LT—12; F—200; $F\Delta V$—200; A_p—100; UT1—9

80	5.38E—04	9.58E—04	2.08E+01	9.65E—01	1.27E—05	7.82E+01
90	5.89E—04	2.36E—01	2.04E+01	9.66E—01	7.50E—05	7.84E+01
100	9.53E—04	2.61E+00	1.86E+01	8.65E—01	1.22E—04	7.80E+01
110	2.16E—03	7.09E+00	1.52E+01	6.99E—01	2.20E—04	7.71E+01
120	3.52E—03	1.11E+01	1.20E+01	5.77E—01	2.67E—04	7.63E+01
130	3.12E—03	1.39E+01	1.01E+01	5.00E—01	2.58E—04	7.55E+01
140	3.03E—03	1.59E+01	9.06E+00	4.44E—01	2.22E—04	7.46E+01
150	3.91E—03	1.75E+01	8.44E+00	3.97E—01	1.92E—04	7.36E+01
160	5.18E—03	1.90E+01	7.97E+00	3.55E—01	1.76E—04	7.27E+01
170	6.71E—03	2.04E+01	7.56E+00	3.17E—01	1.71E—04	7.17E+01
180	8.50E—03	2.18E+01	7.18E+00	2.83E—01	1.78E—04	7.07E+01
190	1.06E—02	2.32E+01	6.82E+00	2.52E—01	1.94E—04	6.97E+01
200	1.30E—02	2.47E+01	6.49E+00	2.24E—01	2.20E—04	6.86E+01

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.53E—02	2.62E+01	6.17E+00	2.00E—01	2.56E—04	6.74E+01
220	1.90E—02	2.78E+01	5.86E+00	1.78E—01	3.02E—04	6.61E+01
230	2.26E—02	2.95E+01	5.56E+00	1.58E—01	3.58E—04	6.48E+01
240	2.71E—02	3.12E+01	5.26E+00	1.41E—01	4.28E—04	6.33E+01
250	3.21E—02	3.31E+01	4.98E+00	1.26E—01	5.11E—04	6.18E+01
260	3.78E—02	3.49E+01	4.70E+00	1.11E—01	6.10E—04	6.02E+01
270	4.43E—02	3.69E+01	4.43E+00	9.88E—02	7.28E—04	5.85E+01
280	5.17E—02	3.89E+01	4.17E+00	8.75E—02	8.65E—04	5.68E+01
290	6.01E—02	4.10E+01	3.92E+00	7.73E—02	1.03E—03	5.50E+01
300	6.96E—02	4.31E+01	3.67E+00	6.83E—02	1.21E—03	5.31E+01
310	8.12E—02	4.46E+01	3.47E+00	6.08E—02	1.45E—03	5.18E+01
320	9.34E—02	4.69E+01	3.24E+00	5.35E—02	1.70E—03	4.97E+01
330	1.07E—01	4.91E+01	3.02E+00	4.69E—02	1.99E—03	4.77E+01
340	1.22E—01	5.14E+01	2.80E+00	4.12E—02	2.32E—03	4.57E+01
350	1.39E—01	5.36E+01	2.60E+00	3.60E—02	2.71E—03	4.36E+01
360	1.58E—01	5.58E+01	2.41E+00	3.15E—02	3.14E—03	4.16E+01
370	1.79E—01	5.79E+01	2.23E+00	2.75E—02	3.64E—03	3.96E+01
380	2.03E—01	6.01E+01	2.06E+00	2.39E—02	4.21E—03	3.77E+01
390	2.29E—01	6.21E+01	1.90E+00	2.08E—02	4.85E—03	3.57E+01
400	2.58E—01	6.41E+01	1.75E+00	1.81E—02	5.58E—03	3.38E+01
410	2.89E—01	6.61E+01	1.60E+00	1.57E—02	6.40E—03	3.20E+01
420	3.24E—01	6.80E+01	1.47E+00	1.36E—02	7.33E—03	3.02E+01
430	3.63E—01	6.98E+01	1.35E+00	1.18E—02	8.37E—03	2.85E+01
440	4.05E—01	7.15E+01	1.23E+00	1.02E—02	9.54E—03	2.68E+01
450	4.51E—01	7.32E+01	1.13E+00	8.80E—03	1.09E—02	2.52E+01
460	5.01E—01	7.48E+01	1.03E+00	7.59E—03	1.23E—02	2.37E+01
470	5.56E—01	7.63E+01	9.39E—01	6.54E—03	1.40E—02	2.22E+01
480	6.16E—01	7.77E+01	8.55E—01	5.63E—03	1.58E—02	2.08E+01
490	6.82E—01	7.91E+01	7.78E—01	4.85E—03	1.79E—02	1.94E+01
500	7.53E—01	8.03E+01	7.07E—01	4.17E—03	2.01E—02	1.82E+01
510	8.31E—01	8.15E+01	6.42E—01	3.58E—03	2.27E—02	1.70E+01
520	9.15E—01	8.26E+01	5.83E—01	3.07E—03	2.55E—02	1.58E+01
530	1.01E+00	8.37E+01	5.28E—01	2.64E—03	2.87E—02	1.48E+01
540	1.11E+00	8.46E+01	4.79E—01	2.26E—03	3.21E—02	1.37E+01
550	1.21E+00	8.55E+01	4.34E—01	1.94E—03	3.60E—02	1.28E+01
560	1.33E+00	8.63E+01	3.92E—01	1.66E—03	4.03E—02	1.19E+01
570	1.46E+00	8.71E+01	3.55E—01	1.42E—03	4.50E—02	1.11E+01
580	1.59E+00	8.78E+01	3.21E—01	1.22E—03	5.02E—02	1.03E+01
590	1.74E+00	8.84E+01	2.90E—01	1.04E—03	5.60E—02	9.53E+00
600	1.90E+00	8.89E+01	2.62E—01	8.91E—04	6.23E—02	8.84E+00
610	2.07E+00	8.94E+01	2.36E—01	7.63E—04	6.93E—02	8.20E+00
620	2.25E+00	8.99E+01	2.13E—01	6.52E—04	7.71E—02	7.60E+00
630	2.45E+00	9.02E+01	1.92E—01	5.57E—04	8.56E—02	7.04E+00
640	2.67E+00	9.05E+01	1.73E—01	4.77E—04	9.49E—02	6.52E+00
650	2.90E+00	9.08E+01	1.56E—01	4.07E—04	1.05E—01	6.04E+00
660	3.14E+00	9.10E+01	1.41E—01	3.48E—04	1.16E—01	5.59E+00

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
670	3.41E+00	9.12E+01	1.27E—01	2.97E—04	1.29E—01	5.17E+00
680	3.69E+00	9.13E+01	1.14E—01	2.54E—04	1.42E—01	4.78E+00
690	4.00E+00	9.13E+01	1.03E—01	2.17E—04	1.57E—01	4.42E+00
700	4.33E+00	9.13E+01	9.26E—02	1.85E—04	1.74E—01	4.09E+00
710	4.68E+00	9.13E+01	8.34E—02	1.58E—04	1.91E—01	3.78E+00
720	5.08E+00	9.12E+01	7.50E—02	1.35E—04	2.11E—01	3.49E+00
730	5.46E+00	9.10E+01	6.75E—02	1.15E—04	2.32E—01	3.22E+00
740	5.89E+00	9.08E+01	6.07E—02	9.86E—05	2.55E—01	2.97E+00
750	6.35E+00	9.06E+01	5.46E—02	8.41E—05	2.81E—01	2.74E+00
760	6.84E+00	9.03E+01	4.91E—02	7.18E—05	3.08E—01	2.53E+00
770	7.36E+00	8.99E+01	4.41E—02	6.13E—05	3.38E—01	2.33E+00
780	7.91E+00	8.95E+01	3.96E—02	5.23E—05	3.71E—01	2.15E+00
790	8.50E+00	8.91E+01	3.56E—02	4.46E—05	4.06E—01	1.98E+00
800	9.13E+00	8.86E+01	3.19E—02	3.81E—05	4.44E—01	1.82E+00

D—172; LAT— —40, LON—45; LT -12; *F*—200; ΔV—200; *A*, —100; UT1—9

80	5.44E—04	1.36E—03	2.08E+01	8.89E—01	1.43E—05	7.83E+01
90	6.09E—04	3.52E—01	2.03E+01	8.44E—01	8.77E—05	7.85E+01
100	9.49E—04	3.98E+00	1.82E+01	7.01E—01	1.31E—01	7.71E+01
110	2.19E—03	1.17E+01	1.38E+01	4.65E—01	2.52E—04	7.40E+01
120	3.85E—03	1.83E+01	1.03E+01	3.26E—01	2.69E—04	7.11E+01
130	8.76E—03	2.39E+01	8.07E+00	2.40E—01	2.71E—04	6.78E+01
140	1.66E—02	2.83E+01	6.91E+00	1.79E—01	2.49E—04	6.46E+01
150	2.48E—02	3.24E+01	6.12E+00	1.37E—01	2.36E—04	6.13E+01
160	3.43E—02	3.65E+01	5.46E+00	1.07E—01	2.37E—04	5.79E+01
170	4.62E—02	4.05E+01	4.87E+00	8.41E—02	2.55E—04	5.45E+01
180	6.07E—02	4.45E+01	4.33E+00	6.69E—02	2.83E—04	5.10E+01
190	7.85E—02	4.85E+01	3.85E+00	5.35E—02	3.40E—04	4.75E+01
200	9.92E—02	5.22E+01	3.42E+00	4.31E—02	4.08E—04	4.42E+01
210	1.23E—01	5.58E+01	3.03E+00	3.49E—02	4.94E—04	4.10E+01
220	1.50E—01	5.91E+01	2.69E+00	2.84E—02	6.00E—04	3.80E+01
230	1.81E—01	6.22E+01	2.39E+00	2.32E—02	7.27E—04	3.52E+01
240	2.16E—01	6.51E+01	2.12E+00	1.90E—02	8.77E—04	3.25E+01
250	2.54E—01	6.78E+01	1.88E+00	1.56E—02	1.05E—03	3.00E+01
260	2.96E—01	7.03E+01	1.67E+00	1.28E—02	1.25E—03	2.77E+01
270	3.43E—01	7.26E+01	1.49E+00	1.06E—02	1.49E—03	2.55E+01
280	3.94E—01	7.47E+01	1.32E+00	8.77E—03	1.75E—03	2.35E+01
290	4.50E—01	7.67E+01	1.18E+00	7.27E—03	2.05E—03	2.17E+01
300	5.11E—01	7.85E+01	1.05E+00	6.03E—03	2.38E—03	2.00E+01
310	5.75E—01	8.02E+01	9.25E—01	4.98E—03	2.75E—03	1.83E+01
320	6.50E—01	8.17E+01	8.22E—01	4.14E—03	3.18E—03	1.68E+01
330	7.32E—01	8.31E+01	7.30E—01	3.43E—03	3.67E—03	1.54E+01
340	8.23E—01	8.44E+01	6.47E—01	2.85E—03	4.24E—03	1.42E+01
350	9.24E—01	8.55E+01	5.74E—01	2.36E—03	4.87E—03	1.30E+01
360	1.03E+00	8.66E+01	5.08E—01	1.95E—03	5.60E—03	1.19E+01
370	1.16E+00	8.75E+01	4.50E—01	1.62E—03	6.41E—03	1.09E+01

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
380	1.29E+00	8.84E+01	3.98E—01	1.34E—03	7.34E—03	9.94E+00
390	1.44E+00	8.91E+01	3.51E—01	1.11E—03	8.38E—03	9.08E+00
400	1.60E+00	8.98E+01	3.10E—01	9.12E—04	9.59E—03	8.27E+00
410	1.78E+00	9.04E+01	2.73E—01	7.54E—04	1.09E—02	7.54E+00
420	1.98E+00	9.09E+01	2.41E—01	6.23E—04	1.24E—02	6.88E+00
430	2.19E+00	9.13E+01	2.13E—01	5.15E—04	1.41E—02	6.27E+00
440	2.43E+00	9.17E+01	1.87E—01	4.25E—04	1.60E—02	5.71E+00
450	2.68E+00	9.19E+01	1.65E—01	3.51E—04	1.81E—02	5.19E+00
460	2.96E+00	9.21E+01	1.45E—01	2.90E—04	2.05E—02	4.73E+00
470	3.27E+00	9.23E+01	1.28E—01	2.39E—04	2.31E—02	4.30E+00
480	3.60E+00	9.24E+01	1.13E—01	1.98E—04	2.61E—02	3.91E+00
490	3.96E+00	9.24E+01	9.92E—02	1.63E—04	2.95E—02	3.55E+00
500	4.36E+00	9.23E+01	8.73E—02	1.35E—04	3.32E—02	3.22E+00
510	4.78E+00	9.22E+01	7.68E—02	1.11E—04	3.73E—02	2.93E+00
520	5.25E+00	9.20E+01	6.76E—02	9.17E—05	4.20E—02	2.66E+00
530	5.76E+00	9.17E+01	5.93E—02	7.57E—05	4.71E—02	2.41E+00
540	6.30E+00	9.14E+01	5.21E—02	6.24E—05	5.28E—02	2.18E+00
550	6.90E+00	9.10E+01	4.58E—02	5.15E—05	5.92E—02	1.98E+00
560	7.54E+00	9.06E+01	4.02E—02	4.25E—05	6.62E—02	1.79E+00
570	8.23E+00	9.00E+01	3.53E—02	3.50E—05	7.40E—02	1.62E+00
580	8.98E+00	8.94E+01	3.09E—02	2.89E—05	8.26E—02	1.47E+00
590	9.78E+00	8.88E+01	2.71E—02	2.38E—05	9.21E—02	1.33E+00
600	1.06E+01	8.80E+01	2.38E—02	1.96E—05	1.03E—01	1.20E+00
610	1.16E+01	8.72E+01	2.08E—02	1.61E—05	1.14E—01	1.08E+00
620	1.26E+01	8.63E+01	1.82E—02	1.33E—05	1.27E—01	9.78E—01
630	1.36E+01	8.54E+01	1.59E—02	1.09E—05	1.41E—01	8.82E—01
640	1.47E+01	8.43E+01	1.39E—02	8.97E—06	1.56E—01	7.95E—01
650	1.59E+01	8.32E+01	1.22E—02	7.37E—06	1.72E—01	7.16E—01
660	1.72E+01	8.20E+01	1.06E—02	6.05E—06	1.90E—01	6.44E—01
670	1.85E+01	8.07E+01	9.25E—03	4.97E—06	2.10E—01	5.79E—01
680	1.99E+01	7.93E+01	8.05E—03	4.07E—06	2.31E—01	5.19E—01
690	2.14E+01	7.78E+01	7.01E—03	3.34E—06	2.54E—01	4.66E—01
700	2.30E+01	7.63E+01	6.09E—03	2.73E—06	2.79E—01	4.17E—01
710	2.46E+01	7.47E+01	5.29E—03	2.23E—06	3.05E—01	3.73E—01
720	2.63E+01	7.30E+01	4.59E—03	1.82E—06	3.34E—01	3.34E—01
730	2.81E+01	7.12E+01	3.97E—03	1.49E—06	3.64E—01	2.98E—01
740	2.99E+01	6.94E+01	3.44E—03	1.21E—06	3.96E—01	2.65E—01
750	3.18E+01	6.75E+01	2.97E—03	9.88E—07	4.31E—01	2.36E—01
760	3.38E+01	6.56E+01	2.56E—03	8.03E—07	4.68E—01	2.10E—01
770	3.58E+01	6.35E+01	2.21E—03	6.53E—07	5.06E—01	1.86E—01
780	3.78E+01	6.15E+01	1.90E—03	5.29E—07	5.47E—01	1.65E—01
790	3.99E+01	5.94E+01	1.63E—03	4.29E—07	5.90E—01	1.46E—01
800	4.20E+01	5.73E+01	1.40E—03	3.47E—07	6.34E—01	1.29E—01

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—172; LAT —80; LON—45; LT—12; *F* —200; ΨΔ*V*—200; A_p —100; UT1—9						
80	5.48E—04	9.88E—04	2.09E+01	9.53E—01	1.37E—05	7.82E+01
90	6.01E—04	2.44E—01	2.07E+01	9.46E—01	8.18E—05	7.82E+01
100	9.45E—04	2.67E+00	1.93E+01	8.39E—01	1.25E—04	7.71E+01
110	2.23E—03	7.29E+00	1.69E+01	6.49E—01	2.36E—04	7.51E+01
120	4.10E—03	1.14E+01	1.48E+01	5.18E—01	2.97E—04	7.33E+01
130	5.07E—03	1.43E+01	1.33E+01	4.35E—01	2.93E—04	7.19E+01
140	6.25E—03	1.65E+01	1.23E+01	3.75E—01	2.63E—04	7.08E+01
150	8.59E—03	1.85E+01	1.15E+01	3.27E—01	2.38E—04	6.97E+01
160	1.17E—02	2.02E+01	1.08E+01	2.87E—01	2.25E—04	6.86E+01
170	1.54E—02	2.19E+01	1.02E+01	2.53E—01	2.27E—04	6.76E+01
180	1.97E—02	2.36E+01	9.66E+00	2.23E—01	2.42E—04	6.65E+01
190	2.48E—02	2.53E+01	9.14E+00	1.97E—01	2.69E—04	6.53E+01
200	3.07E—02	2.70E+01	8.66E+00	1.74E—01	3.09E—04	6.41E+01
210	3.76E—02	2.87E+01	8.21E+00	1.54E—01	3.62E—04	6.29E+01
220	4.54E—02	3.05E+01	7.77E+00	1.37E—01	4.29E—04	6.15E+01
230	5.45E—02	3.23E+01	7.35E+00	1.21E—01	5.11E—04	6.01E+01
240	6.48E—02	3.42E+01	6.95E+00	1.08E—01	6.10E—04	5.87E+01
250	7.65E—02	3.61E+01	6.56E+00	9.59E—02	7.28E—04	**5.71E+01**
260	8.97E—02	3.81E—01	6.19E+00	8.51E—02	8.66E—04	**5.55E+01**
270	1.05E—01	4.01E+01	5.83E+00	7.55E—02	1.03E—03	**5.39E+01**
280	1.22E—01	4.21E+01	5.48E+00	6.69E—02	1.22E—03	5.22E+01
290	1.40E—01	4.42E+01	5.15E+00	5.93E—02	1.43E—03	5.05E+01
300	1.61E—01	4.62E+01	4.83E+00	5.25E—02	1.68E—03	4.87E+01
310	1.87E—01	4.78E+01	4.57E+00	4.69E—02	1.98E—03	4.74E+01
320	2.13E—01	5.00E+01	4.26E+00	4.14E—02	2.31E—03	4.55E+01
330	2.42E—01	5.21E+01	3.98E+00	3.65E—02	2.67E—03	4.36E+01
340	2.74E—01	5.42E+01	3.70E+00	3.22E—02	3.09E—03	4.18E+01
350	3.10E—01	5.63E+01	3.44E+00	2.83E—02	3.57E—03	3.99E+01
360	3.49E—01	5.83E+01	3.20E+00	2.49E—02	4.10E—03	3.81E+01
370	3.92E—01	6.03E+01	2.96E+00	2.18E—02	4.70E—03	3.63E+01
380	4.39E—01	6.22E+01	2.74E+00	1.92E—02	5.38E—03	3.46E+01
390	4.91E—01	6.41E+01	2.54E+00	1.68E—02	6.13E—03	3.28E+01
400	5.47E—01	6.59E+01	2.35E+00	1.47E—02	6.98E—03	3.12E+01
410	6.09E—01	6.77E+01	2.16E+00	1.29E—02	7.92E—03	2.95E+01
420	6.76E—01	6.94E+01	1.99E+00	1.12E—02	8.97E—03	2.79E+01
430	7.50E—01	7.10E+01	1.84E+00	9.81E—03	1.01E—02	2.64E+01
440	8.29E—01	7.25E+01	1.69E+00	8.56E—03	1.14E—02	2.49E+01
450	9.16E—01	7.40E+01	1.55E+00	7.46E—03	1.29E—02	2.35E+01
460	1.01E+00	7.54E+01	1.42E+00	6.50E—03	1.45E—02	2.21E+01
470	1.11E+00	7.67E+01	1.30E+00	5.65E—03	1.63E—02	2.08E+01
480	1.22E+00	7.80E+01	1.19E+00	4.92E—03	1.82E—02	1.96E+01
490	1.34E+00	7.91E+01	1.09E+00	4.27E—03	2.04E—02	1.84E+01
500	1.47E+00	8.02E+01	1.00E+00	3.71E—03	2.28E—02	1.73E+01

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	1.61E+00	8.13E+01	9.13E-01	3.22E—03	2.54E 02	1.62E+01
520	1.75E+00	8.22E+01	8.34E—01	2.79E—03	2.83E—02	1.52E+01
530	1.92E+00	8.31E+01	7.61E—01	2.42E—03	3.15E—02	1.42E+01
540	2.09E+00	8.39E+01	6.94E—01	2.10E—03	3.50E—02	1.33E+01
550	2.27E+00	8.46E+01	6.32E—01	1.82E—03	3.88E—02	1.24E+01
560	2.47E+00	8.53E+01	5.76E—01	1.57E—03	4.30E—02	1.16E+01
570	2.69E+00	8.59E+01	5.24E—01	1.36E—02	4.77E—02	1.08E+01
580	2.91E+00	8.65E+01	4.77E—01	1.18E—03	5.27E—02	1.01E+01
590	3.16E+00	8.69E+01	4.34E—01	1.02E—03	5.82E 02	9.42E+00
600	3.42E+00	8.73E+01	3.94E—01	8.86E—04	6.42E—02	8.78E+00
610	3.70E+00	8.77E+01	3.58E—01	7.62E 04	7.08E 02	8.18E+00
620	4.00E+00	8.80E+01	3.26E—01	6.59E—04	7.80E 02	7.62E+00
630	4.32E+00	8.82E+01	2.96E—01	5.69E 04	8.58E—02	7.09E+00
640	4.63E+00	8.84E+01	2.68E—01	4.92E—04	9.44E 02	6.60E+00
650	5.03E+00	8.85E+01	2.43E 01	4.24E 04	1.04E—01	6.13E+00
660	5.42E+00	8.85E+01	2.21E—01	3.67E—04	1.14E—01	5.70E+00
670	5.83E+00	8.85E+01	2.00E—01	3.16E—04	1.25E—01	5.30E+00
680	6.27E+00	8.85E+01	1.81E—01	2.73E—04	1.37E 01	4.92E+00
690	6.74E+00	8.84E+01	1.64E—01	2.36E—04	1.49E—01	4.57E+00
700	7.23E+00	8.82E+01	1.49E 01	2.03E—04	1.63E 01	4.24E+00
710	7.76E+00	8.80E+01	1.35E—01	1.75E—04	1.78E—01	3.93E+00
720	8.32E+00	8.77E+01	1.22E 01	1.51E—04	1.95E—01	3.64E+00
730	8.91E+00	8.74E+01	1.10E—01	1.30E—04	2.12E 01	3.38E+00
740	9.53E+00	8.70E+01	9.98E—02	1.12E—04	2.31E—01	3.13E+00
750	1.02E+01	8.66E+01	9.02E—02	9.68E—05	2.52E 01	2.90E+00
760	1.09E+01	8.61E+01	8.15E—02	8.34E—05	2.74E—01	2.68E+00
770	1.16E+01	8.55E+01	7.37E—02	7.19E—05	2.98E—01	2.48E+00
780	1.24E+01	8.49E+01	6.65E—02	6.19E—05	3.23E 01	2.29E+00
790	1.32E+01	8.43E+01	6.00E—02	5.33E—05	3.50E—01	2.12E+00
800	1.40E+01	8.36E+01	5.42E 02	4.58E 05	3.80E 01	1.96E+00

Таблица 22

Широтные вариации состава при низкой солнечной активности для осеннего равноденствия в северном и весеннего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—266; LAT—0, LON—45; LT—12; *F*—70; *FAV*—70; A_p 100; UT1—9						
80	5.53E 04	1.24E 03	2.08E+01	9.07E 01	1.79E 05	7.83E+01
90	6.13E—04	3.15E—01	2.03E+01	8.73E—01	1.19E—04	7.85E+01
100	9.53E—04	3.51E+00	1.83E+01	7.47E—01	1.95E—04	7.75E+01
110	2.52E 03	1.07E+01	1.38E+01	4.94E 01	4.93E—01	7.50E+01
120	7.56E—03	1.92E+01	9.59E+00	3.05E—01	1.08E—03	7.09E+01
130	1.68E—02	2.60E+01	7.27E+00	2.09E 01	1.44E—03	6.66E+01
140	3.05E—02	3.15E+01	6.00E+00	1.49E 01	1.66E—03	6.23E+01

Продолжение табл. 22

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
150	4.67E—02	3.66E+01	5.15E+00	1.10E—01	1.85E—03	5.81E+01
160	6.66E—02	4.13E+01	4.47E+00	8.27E—02	2.09E—03	5.41E+01
170	9.12E—02	4.59E+01	3.89E+00	6.30E—02	2.42E—03	5.01E+01
180	1.22E—01	5.03E+01	3.37E+00	4.84E—02	2.90E—03	4.61E+01
190	1.59E—01	5.46E+01	2.92E+00	3.72E—02	3.55E—03	4.23E+01
200	2.04E—01	5.87E+01	2.52E+00	2.87E—02	4.41E—03	3.85E+01
210	2.58E—01	6.26E+01	2.16E+00	2.20E—02	5.54E—03	3.49E+01
220	3.22E—01	6.63E+01	1.85E+00	1.69E—02	6.98E—03	3.15E+01
230	3.99E—01	6.97E+01	1.58E+00	1.30E—02	8.81E—03	2.83E+01
240	4.90E—01	7.28E+01	1.34E+00	9.89E—03	1.11E—02	2.53E+01
250	5.97E—01	7.57E+01	1.13E+00	7.53E—03	1.39E—02	2.25E+01
260	7.23E—01	7.83E+01	9.50E—01	5.71E—03	1.74E—02	2.00E+01
270	8.71E—01	8.07E+01	7.97E—01	4.33E—03	2.17E—02	1.76E+01
280	1.04E+00	8.27E+01	6.67E—01	3.27E—03	2.70E—02	1.55E+01
290	1.24E+00	8.45E+01	5.56E—01	2.46E—03	3.33E—02	1.36E+01
300	1.47E+00	8.61E+01	4.62E—01	1.85E—03	4.10E—02	1.19E+01
310	1.75E+00	8.74E+01	3.84E—01	1.39E—03	5.04E—02	1.04E+01
320	2.06E+00	8.85E+01	3.18E—01	1.04E—03	6.16E—02	9.07E+00
330	2.41E+00	8.94E+01	2.63E—01	7.77E—04	7.51E—02	7.88E+00
340	2.83E+00	9.00E+01	2.17E—01	5.80E—04	9.12E—02	6.83E+00
350	3.30E+00	9.05E+01	1.79E—01	4.32E—04	1.11E—01	5.92E+00
360	3.84E+00	9.08E+01	1.47E—01	3.22E—04	1.34E—01	5.11E+00
370	4.46E+00	9.08E+01	1.21E—01	2.39E—04	1.61E—01	4.41E+00
380	5.16E+00	9.07E+01	9.89E—02	1.78E—04	1.93E—01	3.80E+00
390	5.97E+00	9.05E+01	8.10E—02	1.32E—04	2.32E—01	3.27E+00
400	6.87E+00	9.00E+01	6.62E—02	9.79E—05	2.77E—01	2.81E+00
410	7.90E+00	8.93E+01	5.40E—02	7.24E—05	3.31E—01	2.41E+00
420	9.06E+00	8.84E+01	4.40E—02	5.36E—05	3.93E—01	2.06E+00
430	1.04E+01	8.74E+01	3.58E—02	3.95E—05	4.66E—01	1.76E+00
440	1.18E+01	8.61E+01	2.91E—02	2.91E—05	5.51E—01	1.50E+00
450	1.34E+01	8.45E+01	2.36E—02	2.14E—05	6.49E—01	1.27E+00
460	1.52E+01	8.30E+01	1.91E—02	1.57E—05	7.62E—01	1.08E+00
470	1.71E+01	8.10E+01	1.54E—02	1.15E—05	8.91E—01	9.14E—01
480	1.93E+01	7.89E+01	1.24E—02	8.42E—06	1.04E+00	7.71E—01
490	2.16E+01	7.66E+01	9.96E—03	6.13E—06	1.21E+00	6.48E—01
500	2.40E+01	7.40E+01	7.91E—03	4.46E—06	1.39E+00	5.43E—01
510	2.67E+01	7.13E+01	6.30E—03	3.23E—06	1.60E+00	4.53E—01
520	2.95E+01	6.83E+01	5.00E—03	2.33E—06	1.83E+00	3.77E—01
530	3.24E+01	6.52E+01	3.95E—03	1.67E—06	2.09E+00	3.12E—01
540	3.55E+01	6.19E+01	3.11E—03	1.20E—06	2.37E+00	2.58E—01
550	3.86E+01	5.85E+01	2.43E—03	8.55E—07	2.67E+00	2.12E—01
560	4.18E+01	5.51E+01	1.90E—03	6.08E—07	2.99E+00	1.73E—01
570	4.50E+01	5.16E+01	1.48E—03	4.30E—07	3.33E+00	1.41E—01
580	4.82E+01	4.80E+01	1.14E—03	3.03E—07	3.70E+00	1.14E—01
590	5.13E+01	4.45E+01	8.79E—04	2.13E—07	4.08E+00	9.20E—02
600	5.44E+01	4.11E+01	6.74E—04	1.49E—07	4.48E+00	7.39E—02

Продолжение табл. 22

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	5.73E+01	3.77E+01	5.15E—04	1.04E—07	4.89E+00	5.19E—02
620	6.02E+01	3.45E+01	3.91E—04	7.19E—08	5.31E+00	4.71E—02
630	6.28E+01	3.14E+01	2.97E—04	4.97E—08	5.74E+00	3.73E—02
640	6.53E+01	2.84E+01	2.24E—04	3.42E—08	6.17E+00	2.95E—02
650	6.77E+01	2.57E+01	1.69E—04	2.35E—08	6.61E+00	2.32E—02
660	6.98E+01	2.31E+01	1.25E—04	1.61E—08	7.06E+00	1.83E—02
670	7.17E+01	2.07E+01	9.46E—05	1.10E—08	7.51E+00	1.43E—02
680	7.36E+01	1.86E+01	7.07E—05	7.51E—09	7.95E+00	1.12E—02
690	7.50E+01	1.66E+01	5.26E—05	5.11E—09	8.40E+00	8.70E—03
700	7.64E+01	1.47E+01	3.91E—05	3.48E—09	8.85E+00	6.77E—03
710	7.76E+01	1.31E+01	2.90E—05	2.36E—09	9.29E+00	5.25E—03
720	7.87E+01	1.16E+01	2.15E—05	1.60E—09	9.74E+00	4.07E—03
730	7.96E+01	1.03E+01	1.59E—05	1.08E—09	1.02E+01	3.15E—03
740	8.03E+01	9.06E+00	1.18E—05	7.33E—10	1.06E+01	2.44E—03
750	8.09E+01	8.00E+00	8.71E—06	4.96E—10	1.11E+01	1.88E—03
760	8.14E+01	7.05E+00	6.44E—06	3.35E—10	1.15E+01	1.45E—03
770	8.18E+01	6.20E+00	4.75E—06	2.26E—10	1.20E+01	1.12E—03
780	8.21E+01	5.46E+00	3.51E—06	1.53E—10	1.24E+01	8.64E—04
790	8.23E+01	4.80E+00	2.59E—06	1.03E—10	1.29E+01	6.66E—04
800	8.25E+01	4.22E+00	1.91E—06	6.99E—11	1.33E+01	5.14E—04
	D—265; LAT—40; LON—45; LT—12; *F*—70; $\overline{F}\Delta V$—70; A_p—100; UTI—9					
80	5.40E—04	1.21E—03	2.08E+01	8.69E—01	1.67E—05	7.83E+01
90	6.04E—04	3.03E—01	2.04E+01	8.09E—01	1.14E—04	7.85E+01
100	9.52E—04	3.46E+00	1.84E+01	6.55E—01	1.94E—04	7.75E+01
110	2.30E—03	9.96E+00	1.45E+01	4.32E—01	4.36E—04	7.51E+01
120	5.50E—03	1.68E+01	1.07E+01	2.73E—01	7.53E—04	7.21E+01
130	1.12E—02	2.25E+01	8.50E+00	1.80E—01	9.61E—04	6.89E+01
140	1.93E—02	2.72E+01	7.20E+00	1.24E—01	1.08E—03	6.54E+01
150	2.92E—02	3.17E+01	6.29E+00	8.88E—02	1.19E—03	6.19E+01
160	4.18E—02	3.60E+01	5.55E+00	6.59E—02	1.33E—03	5.84E+01
170	5.74E—02	4.02E+01	4.91E+00	5.00E—02	1.51E—03	5.48E+01
180	7.70E—02	4.44E+01	4.32E+00	3.85E—02	1.84E—03	5.12E+01
190	1.01E—01	4.85E+01	3.80E+00	2.99E—02	2.26E—03	4.75E+01
200	1.31E—01	5.26E+01	3.32E+00	2.33E—02	2.82E—03	4.39E+01
210	1.66E—01	5.66E+01	2.90E+00	1.82E—02	3.56E—03	4.03E+01
220	2.10E—01	6.04E+01	2.51E+00	1.42E—02	4.51E—03	3.69E+01
230	2.61E—01	6.40E+01	2.17E+00	1.10E—02	5.72E—03	3.35E+01
240	3.23E—01	6.75E+01	1.86E+00	8.51E—03	7.25E—03	3.03E+01
250	3.96E—01	7.07E+01	1.59E+00	6.57E—03	9.15E—03	2.73E+01
260	4.83E—01	7.37E+01	1.36E+00	5.05E—03	1.15E—02	2.45E+01
270	5.84E—01	7.64E+01	1.15E+00	3.87E—03	1.44E—02	2.18E+01
280	7.02E—01	7.89E+01	9.72E—01	2.96E—03	1.79E—02	1.94E+01
290	8.41E—01	8.11E+01	8.19E—01	2.26E—03	2.23E—02	1.72E+01
300	1.00E+00	8.31E+01	6.87E—01	1.71E—03	2.75E—02	1.52E+01

Продолжение табл. 22

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.19E+00	8.48E+01	5.77E—01	1.30E—03	3.39E—02	1.34E+01
320	1.41E+00	8.63E+01	4.82E—01	9.86E—04	4.15E—02	1.17E+01
330	1.66E+00	8.76E+01	4.02E—01	7.45E—04	5.07E—02	1.03E+01
340	1.94E+00	8.87E+01	3.34E—01	5.61E—04	6.17E—02	8.98E+00
350	2.27E+00	8.95E+01	2.77E—01	4.22E—04	7.49E—02	7.83E+00
360	2.65E+00	9.02E+01	2.30E—01	3.17E—04	9.05E—02	6.81E+00
370	3.08E+00	9.07E+01	1.90E—01	2.38E—04	1.09E—01	5.92E+00
380	3.58E+00	9.10E+01	1.57E—01	1.79E—04	1.32E—01	5.13E+00
390	4.14E+00	9.11E+01	1.30E—01	1.34E—04	1.58E—01	4.45E+00
400	4.79E+00	9.11E+01	1.07E—01	1.00E—04	1.89E—01	3.85E+00
410	5.51E+00	9.09E+01	8.80E—02	7.49E—05	2.26E—01	3.32E+00
420	6.34E+00	9.05E+01	7.23E—02	5.59E—05	2.69E—01	2.86E+00
430	7.27E+00	8.99E+01	5.93E—02	4.17E—05	3.20E—01	2.47E+00
440	8.32E+00	8.91E+01	4.86E—02	3.11E—05	3.80E—01	2.12E+00
450	9.49E+00	8.82E+01	3.98E—02	2.31E—05	4.49E—01	1.82E+00
460	1.08E+01	8.71E+01	3.25E—02	1.72E—05	5.29E—01	1.56E+00
470	1.23E+01	8.58E+01	2.65E—02	1.28E—05	6.22E—01	1.33E+00
480	1.39E+01	8.42E+01	2.16E—02	9.45E—06	7.29E—01	1.14E+00
490	1.56E+01	8.25E+01	1.75E—02	6.98E—06	8.52E—01	9.66E—01
500	1.76E+01	8.06E+01	1.42E—02	5.15E—06	9.92E—01	8.20E—01
510	1.97E+01	7.85E+01	1.15E—02	3.79E—06	1.15E+00	6.94E—01
520	2.20E+01	7.61E+01	9.22E—03	2.78E—06	1.33E+00	5.85E—01
530	2.44E+01	7.36E+01	7.41E—03	2.03E—06	1.53E+00	4.92E—01
540	2.70E+01	7.08E+01	5.93E—03	1.48E—06	1.75E+00	4.13E—01
550	2.97E+01	6.79E+01	4.72E—03	1.08E—06	2.00E+00	3.45E—01
560	3.26E+01	6.49E+01	3.75E—03	7.82E—07	2.26E+00	2.87E—01
570	3.55E+01	6.17E+01	2.97E—03	5.64E—07	2.56E+00	2.37E—01
580	3.86E+01	5.84E+01	2.34E—03	4.06E—07	2.87E+00	1.96E—01
590	4.17E+01	5.50E+01	1.84E—03	2.91E—07	3.21E+00	1.61E—01
600	4.48E+01	5.15E+01	1.44E—03	2.07E—07	3.57E+00	1.32E—01
610	4.79E+01	4.81E+01	1.12E—03	1.47E—07	3.95E+00	1.07E—01
620	5.09E+01	4.47E+01	8.66E—04	1.04E—07	4.34E+00	8.69E—02
630	5.39E+01	4.13E+01	6.69E—04	7.37E—08	4.75E+00	7.02E—02
640	5.68E+01	3.80E+01	5.14E—04	5.18E—08	5.18E+00	5.65E—02
650	5.95E+01	3.48E+01	3.94E—04	3.63E—08	5.62E+00	4.52E—02
660	6.21E+01	3.18E+01	3.01E—04	2.53E—08	6.06E+00	3.61E—02
670	6.45E+01	2.89E+01	2.29E—04	1.76E—08	6.51E+00	2.87E—02
680	6.68E+01	2.62E+01	1.73E—04	1.22E—08	6.97E+00	2.28E—02
690	6.89E+01	2.36E+01	1.31E—04	8.46E—09	7.43E+00	1.80E—02
700	7.08E+01	2.13E+01	9.89E—05	5.84E—09	7.90E+00	1.42E—02
710	7.25E+01	1.91E+01	7.44E—05	4.02E—09	8.36E+00	1.12E—02
720	7.41E+01	1.71E+01	5.59E—05	2.77E—09	8.82E+00	8.75E—03
730	7.54E+01	1.53E+01	4.19E—05	1.90E—09	9.29E+00	6.85E—03
740	7.66E+01	1.36E+01	3.13E—05	1.30E—09	9.75E+00	5.36E—03
750	7.77E+01	1.21E+01	2.34E—05	8.92E—10	1.02E+01	4.18E—03
760	7.86E+01	1.07E+01	1.75E—05	6.10E—10	1.07E+01	3.26E—03

Продолжение табл. 21

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
770	7.93E+01	9.53E+00	1.30E—05	4.17E- 10	1.11E+01	2.54E—03
780	8.00E+01	8.43E+00	9.71E—06	2.85E—10	1.16E+01	1.97E- 03
790	8.05E+01	7.46E+00	7.23E—06	1.95E—10	1.20E+01	1.53E—03
800	8.09E+01	6.59E+00	5.38E—06	1.33E—10	1.25E+01	1.19E—03
D—266; LAT—80; LON- 45; LT—12; *F*—70; $^{1}F\Delta V$—70; A_p—100; UT1—9						
80	5.35E—04	9.70E—04	2.09E+01	9.65E—01	1.61E—05	7.81E+01
90	5.90E—04	2.40E —01	2.07E+01	9.61E—01	1.07E—04	7.81E+01
100	9.46E—04	2.65E—00	1.93E+01	8.53E—01	1.93E—04	7.72E+01
110	2.04E—03	7.02E+00	1.71E+01	6.83E—01	3.73E—04	7.52E+01
120	3.71E—03	1.09E+01	1.51E+01	5.62E- 01	5.17E—04	7.34E+01
130	5.48E—03	1.38E+01	1.36E+01	4.73E—01	6.11E—01	7.20E+01
140	7.76E 03	1.63E+01	1.25E+01	4.04E—01	6.61E—04	7.08E+01
150	1.13E—02	1.86E+01	1.16E+01	3.47E—01	7.08E- 01	6.95E+01
160	1.60E—02	2.09E+01	1.07E+01	2.96E—01	7.82E- 04	6.81E+01
170	2.21E—02	2.32E+01	9.94E+00	2.52E—01	8.99E—04	6.66E+01
180	2.99E—02	2.56E+01	9.21E+00	2.13E- 01	1.07E—03	6.50E+01
190	3.97E—02	2.81E—01	8.51E+00	1.79E—01	1.32E -03	6.32E+01
200	5.20E—02	3.07E+01	7.86E+00	1.51E -01	1.67E—03	6.12E+01
210	6.72E—02	3.35E+01	7.23E+00	1.26E—01	2.13E—03	5.91E+01
220	8.62E 02	3.64E+01	6.63E+00	1.06E—01	2.73E—03	5.68E+01
230	1.10E—01	3.94E+01	6.06E+00	8.79E—02	3.51E- 03	5.43E+01
240	1.38E—01	4.25E+01	5.51E+00	7.30E—02	4.51E—03	5.18E+01
250	1.73E 01	4.57E+01	4.99E+00	6.04E—02	5.78E—03	4.91E+01
260	2.14E—01	4.89E—01	4.50E+00	4.98E—02	7.38E—03	4.63E+01
270	2.64E—01	5.21E+01	4.04E+00	4.08E- 02	9.37E—03	4.35E+01
280	3.24E—01	5.53E+01	3.61E+00	3.34E- 02	1.18E—02	4.07E+01
290	3.94E—01	5.85E+01	3.22E+00	2.72E—02	1.49E—02	3.79E+01
300	4.77E—01	6.16E+01	2.85E+00	2.20E- 02	1.86E—02	3.51E+01
310	5.81E—01	6.41E+01	2.55E+00	1.80E—02	2.34E—02	3.28E+01
320	6.94E—01	6.70E+01	2.23E+00	1.46E- 02	2.89E—02	3.00E+01
330	8.24E—01	6.98E+01	1.95E+00	1.16E—02	3.54E—02	2.74E+01
340	9.75E—01	7.23E+01	1.70E+00	9.23E—03	4.33E—02	2.49E+01
350	1.15E+00	7.47E+01	1.47E+00	7.34E—03	5.27E- 02	2.26E+01
360	1.35E+00	7.69E+01	1.27E+00	5.82E—03	6.38E—02	2.01E+01
370	1.57E+00	7.89E+01	1.10E+00	4.60E—03	7.70E—02	1.84E+01
380	1.83E+00	8.06E+01	9.43E—01	3.63E—03	9.25E—02	1.65E+01
390	2.12E+00	8.22E+01	8.11E—01	2.86E—03	1.11E—01	1.48E+01
400	2.45E+00	8.35E+01	6.94E- 01	2.25E—03	1.32E—01	1.32E+01
410	2.83E+00	8.46E+01	5.93E -01	1.76E—03	1.57E—01	1.18E+01
420	3.25E+00	8.56E+01	5.06E—01	1.38E 03	1.87E—01	1.05E+01
430	3.72E+00	8.63E+01	4.30E—01	1.08E—03	2.21E—01	9.30E+00
440	4.25E+00	8.69E+01	3.66E—01	8.41E- 04	2.61E- 01	8.25E+00
450	4.85E+00	8.72E+01	3.10E—01	6.55E—04	3.07E—01	7.29E+00

Продолжение табл. 22

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2 S, %
460	5.52E+00	8.74E+01	2.62E−01	5.10E−04	3.60E−01	6.44E+00
470	6.26E+00	8.74E+01	2.22E−01	3.96E−04	4.22E−01	5.68E+00
480	7.08E+00	8.72E+01	1.87E−01	3.08E−04	4.92E−01	5.00E+00
490	7.99E+00	8.69E+01	1.58E−01	2.38E−04	5.74E−01	4.39E+00
500	9.00E+00	8.63E+01	1.33E−01	1.85E−04	6.66E−01	3.85E+00
510	1.01E+01	8.56E+01	1.11E−01	1.43E−04	7.72E−01	3.37E+00
520	1.13E+01	8.47E+01	9.35E−02	1.10E−04	8.92E−01	2.95E+00
530	1.27E+01	8.37E+01	7.82E−02	8.49E−05	1.03E+00	2.57E+00
540	1.41E+01	8.24E+01	6.54E−02	6.53E−05	1.18E+00	2.24E+00
550	1.57E+01	8.10E+01	5.45E−02	5.01E−05	1.36E+00	1.94E+00
560	1.74E+01	7.94E+01	4.53E−02	3.84E−05	1.55E+00	1.69E+00
570	1.92E+01	7.76E+01	3.76E−02	2.94E−05	1.76E+00	1.46E+00
580	2.11E+01	7.56E+01	3.12E−02	2.25E−05	2.00E+00	1.26E+00
590	2.32E+01	7.34E+01	2.58E−02	1.71E−05	2.26E+00	1.08E+00
600	2.51E+01	7.11E+01	2.12E−02	1.30E−05	2.55E+00	9.28E−01
610	2.73E+01	6.87E+01	1.74E−02	9.85E−06	2.87E+00	7.94E−01
620	3.00E+01	6.61E+01	1.43E−02	7.45E−06	3.21E+00	6.77E−01
630	3.25E+01	6.34E+01	1.17E−02	5.61E−06	3.58E+00	5.75E−01
640	3.50E+01	6.06E+01	9.50E−03	4.22E−06	3.97E+00	4.88E−01
650	3.75E+01	5.77E+01	7.71E−03	3.16E−06	4.39E+00	4.12E−01
660	4.01E+01	5.47E+01	6.24E−03	2.36E−06	4.84E+00	3.47E−01
670	4.27E+01	5.17E+01	5.03E−03	1.76E−06	5.30E+00	2.91E−01
680	4.53E+01	4.87E+01	4.05E−03	1.31E−06	5.79E+00	2.43E−01
690	4.78E+01	4.57E+01	3.24E−03	9.69E−07	6.30E+00	2.03E−01
700	5.03E+01	4.27E+01	2.59E−03	7.15E−07	6.83E+00	1.69E−01
710	5.27E+01	3.98E+01	2.06E−03	5.27E−07	7.37E+00	1.40E−01
720	5.50E+01	3.69E+01	1.64E−03	3.87E−07	7.92E+00	1.15E−01
730	5.72E+01	3.42E+01	1.30E−03	2.83E−07	8.48E+00	9.49E−02
740	5.93E+01	3.15E+01	1.02E−03	2.07E−07	9.05E+00	7.79E−02
750	6.13E+01	2.90E+01	8.07E−04	1.51E−07	9.63E+00	6.38E−02
760	6.31E+01	2.66E+01	6.34E−04	1.10E−07	1.02E+01	5.21E−02
770	6.48E+01	2.43E+01	4.97E−04	7.96E−08	1.08E+01	4.25E−02
780	6.64E+01	2.22E+01	3.89E−04	5.77E−08	1.14E+01	3.45E−02
790	6.78E+01	2.02E+01	3.04E−04	4.17E−08	1.20E+01	2.80E−02
800	6.91E+01	1.84E+01	2.37E−04	3.01E−08	1.25E+01	2.27E−02

D—266; LAT— —40; LON—45; LT—12; *F*—70; $\overline{F}\Delta V$—70; A_p—100; UT1—9

80	5.42E−04	1.19E−03	2.09E+01	9.59E−01	1.69E−05	7.82E+01
90	6.06E−04	3.03E−01	2.05E+01	9.54E−01	1.15E−04	7.82E+01
100	9.45E−04	3.37E+00	1.88E+01	8.52E−01	1.93E−04	7.69E+01
110	2.33E−03	9.75E+00	1.54E+01	6.32E−01	4.46E−04	7.42E+01
120	5.54E−03	1.65E+01	1.21E+01	4.61E−01	7.96E−04	7.09E+01
130	1.02E−02	2.20E+01	9.98E+00	3.57E−01	1.02E−03	6.76E+01
140	1.64E−02	2.67E+01	8.62E+00	2.85E−01	1.16E−03	6.44E+01
150	2.46E−02	3.10E+01	7.60E+00	2.29E−01	1.27E−03	6.11E+01

Продолжение табл. 22

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
160	3.50E—02	3.52E+01	6.75E+00	1.85E—01	1.42E—03	5.78E+01
170	4.80E—02	3.93E+01	6.01E+00	1.49E—01	1.64E—03	5.45E+01
180	6.40E—02	4.33E+01	5.34E+00	1.20E—01	1.95E—03	5.12E+01
190	8.36E—02	4.72E+01	4.73E+00	9.58E—02	2.38E—03	4.79E+01
200	1.07E—01	5.11E+01	4.18E+00	7.66E—02	2.95E—03	4.46E+01
210	1.36E—01	5.48E+01	3.68E+00	6.11E—02	3.69E—03	4.13E+01
220	1.70E—01	5.85E+01	3.23E+00	4.86E—02	4.63E—03	3.81E+01
230	2.10E—01	6.20E+01	2.82E+00	3.85E—02	5.82E—03	3.49E+01
240	2.57E—01	6.53E+01	2.46E+00	3.05E—02	7.29E—03	3.19E+01
250	3.13E—01	6.85E+01	2.13E+00	2.40E—02	9.10E—03	2.91E+01
260	3.78E—01	7.14E+01	1.84E+00	1.89E—02	1.13E—02	2.64E+01
270	4.53E—01	7.41E+01	1.59E+00	1.48E—02	1.40E—02	2.38E+01
280	5.41E—01	7.67E+01	1.36E+00	1.16E—02	1.73E—02	2.14E+01
290	6.42E—01	7.90E+01	1.17E+00	9.04E—03	2.12E—02	1.92E+01
300	7.58E—01	8.10E+01	9.98E—01	7.04E—03	2.59E—02	1.72E+01
310	8.95E—01	8.28E+01	8.53E—01	5.49E—03	3.16E—02	1.54E+01
320	1.05E+00	8.45E+01	7.24E—01	4.25E—03	3.83E—02	1.37E+01
330	1.22E+00	8.60E+01	6.14E—01	3.29E—03	4.62E—02	1.21E+01
340	1.42E+00	8.73E+01	5.19E—01	2.54E—03	5.56E—02	1.07E+01
350	1.65E+00	8.84E+01	4.39E—01	1.96E—03	6.68E—02	9.49E+00
360	1.91E+00	8.93E+01	3.70E—01	1.51E—03	7.99E—02	8.37E+00
370	2.21E+00	9.00E+01	3.12E—01	1.16E—03	9.54E—02	7.38E+00
380	2.54E+00	9.06E+01	2.62E—01	8.94E—04	1.14E—01	6.49E+00
390	2.92E+00	9.10E+01	2.20E—01	6.87E—04	1.35E—01	5.70E+00
400	3.35E+00	9.13E+01	1.85E—01	5.27E—04	1.60E—01	5.00E+00
410	3.83E+00	9.14E+01	1.55E—01	4.04E—04	1.89E—01	4.39E+00
420	4.38E+00	9.14E+01	1.30E—01	3.10E—04	2.24E—01	3.84E+00
430	4.99E+00	9.13E+01	1.09E—01	2.38E—04	2.64E—01	3.36E+00
440	5.67E+00	9.10E+01	9.08E—02	1.82E—04	3.10E—01	2.93E+00
450	6.44E+00	9.06E+01	7.58E—02	1.39E—04	3.64E—01	2.56E+00
460	7.30E+00	9.00E+01	6.32E—02	1.06E—04	4.26E—01	2.23E+00
470	8.25E+00	8.93E+01	5.27E—02	8.11E—05	4.97E—01	1.94E+00
480	9.31E+00	8.84E+01	4.38E—02	6.19E—05	5.80E—01	1.69E+00
490	1.05E+01	8.73E+01	3.64E—02	4.71E—05	6.74E—01	1.46E+00
500	1.18E+01	8.62E+01	3.02E—02	3.59E—05	7.82E—01	1.27E+00
510	1.32E+01	8.48E+01	2.50E—02	2.73E—05	9.05E—01	1.10E+00
520	1.47E+01	8.33E+01	2.07E—02	2.07E—05	1.04E+00	9.46E—01
530	1.64E+01	8.16E+01	1.71E—02	1.57E—05	1.20E+00	8.15E—01
540	1.82E+01	7.97E+01	1.41E—02	1.18E—05	1.38E+00	7.01E—01
550	2.02E+01	7.76E+01	1.16E—02	8.93E—06	1.57E+00	6.01E—01
560	2.23E+01	7.54E+01	9.47E—03	6.73E—06	1.79E+00	5.14E—01
570	2.45E+01	7.30E+01	7.74E—03	5.05E—06	2.04E+00	4.38E—01
580	2.68E+01	7.05E+01	6.31E—03	3.78E—06	2.30E+00	3.72E—01
590	2.93E+01	6.78E+01	5.13E—03	2.83E—06	2.59E+00	3.16E—01
600	3.16E+01	6.50E+01	4.15E—03	2.11E—06	2.91E+00	2.67E—01

Продолжение табл. 22

z, км	He/S, %	O.S, %	O_2.S, %	Ar/S, %	H.S, %	N_2/S, %
610	3.45E+01	6.21E+01	3.35E—03	1.56E—06	3.25E+00	2.25E—01
620	3.72E+01	5.90E+01	2.70E—03	1.16E—06	3.62E+00	1.89E—01
630	3.99E+01	5.59E+01	2.17E—03	8.55E—07	4.01E+00	1.58E—01
640	4.27E+01	5.28E+01	1.73E—03	6.29E—07	4.42E+00	1.31E—01
650	4.54E+01	4.96E+01	1.38E—03	4.61E—07	4.85E+00	1.09E—01
660	4.81E+01	4.65E+01	1.09E—03	3.37E—07	5.30E+00	9.03E—02
670	5.08E+01	4.34E+01	8.66E—04	2.46E—07	5.77E+00	7.44E—02
680	5.34E+01	4.03E+01	6.83E—04	1.78E—07	6.26E+00	6.11E—02
690	5.59E+01	3.73E+01	5.37E—04	1.29E—07	6.76E+00	5.01E—02
700	5.83E+01	3.44E+01	4.21E—04	9.33E—08	7.26E+00	4.09E—02
710	6.05E+01	3.16E+01	3.29E—04	6.72E—08	7.78E+00	3.33E—02
720	6.27E+01	2.90E+01	2.56E—04	4.83E—08	8.30E+00	2.10E—02
730	6.47E+01	2.65E+01	1.99E—04	3.46E—08	8.83E+00	2.18E—02
740	6.65E+01	2.41E+01	1.54E—04	2.47E—08	9.36E+00	1.76E—02
750	6.82E+01	2.19E+01	1.19E—04	1.77E—08	9.89E+00	1.42E—02
760	6.97E+01	1.99E+01	9.21E—05	1.26E—08	1.04E+01	1.14E—02
770	7.11E+01	1.80E+01	7.10E—05	8.94E—09	1.09E+01	9.15E—03
780	7.23E+01	1.62E+01	5.46E—05	6.35E—09	1.15E+01	7.32E—03
790	7.34E+01	1.46E+01	4.20E—05	4.51E—09	1.20E+01	5.85E—03
800	7.43E+01	1.31E+01	3.22E—05	3.19E—09	1.25E+01	4.67E—03

D—266; LAT—80; LON—45; LT—12; *F*—70; *FAV*—70; A_p—100; UT1—9

80	5.41E—04	9.20E—04	2.09E+01	9.77E—01	1.75E—05	7.81E+01
90	5.98E—04	2.25E—01	2.08E+01	9.81E—01	1.19E—04	7.80E+01
100	9.40E—04	2.44E+00	1.99E+01	8.87E—01	2.10E—04	7.67E+01
110	2.08E—03	6.51E+00	1.85E+01	7.11E—01	4.43E—04	7.43E+01
120	3.65E—03	1.01E+01	1.74E+01	5.81E—01	6.47E—04	7.19E+01
130	4.13E—03	1.27E+01	1.65E+01	4.97E—01	8.36E—04	7.03E+01
140	4.90E—03	1.49E+01	1.54E+01	4.35E—01	9.45E—04	6.93E+01
150	6.89E—03	1.68E+01	1.44E+01	3.82E—01	1.05E—03	6.83E+01
160	9.73E—03	1.88E+01	1.35E+01	3.34E—01	1.18E—03	6.74E+01
170	1.34E—02	2.06E+01	1.27E+01	2.91E—01	1.38E—03	6.64E+01
180	1.79E—02	2.26E+01	1.19E+01	2.52E—01	1.65E—03	6.53E+01
190	2.35E—02	2.46E+01	1.11E+01	2.17E—01	2.03E—03	6.40E+01
200	3.04E—02	2.66E+01	1.04E+01	1.88E—01	2.53E—03	6.27E+01
210	3.87E—02	2.88E+01	9.77E+00	1.62E—01	3.18E—03	6.12E+01
220	4.89E—02	3.11E+01	9.13E+00	1.39E—01	4.01E—03	5.96E+01
230	6.11E—02	3.34E+01	8.51E+00	1.20E—01	5.07E—03	5.79E+01
240	7.57E—02	3.59E+01	7.91E+00	1.03E—01	6.38E—03	5.60E+01
250	9.30E—02	3.84E+01	7.34E+00	8.83E—02	8.01E—03	5.41E+01
260	1.13E—01	4.10E+01	6.79E+00	7.55E—02	1.00E—02	5.20E+01
270	1.38E—01	4.37E+01	6.26E+00	6.45E—02	1.24E—02	4.99E+01
280	1.66E—01	4.64E+01	5.75E+00	5.49E—02	1.54E—02	4.76E+01
290	1.99E—01	4.91E+01	5.28E+00	4.67E—02	1.89E—02	4.54E+01
300	2.37E—01	5.18E+01	4.82E+00	3.96E—02	2.32E—02	4.30E+01

Продолжение табл. 22

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H S, %	N_2/S, %
310	2.84E—01	5.39E+01	4.46E+00	3.39E—02	2.86E—02	4.13E+01
320	3.35E—01	5.67E+01	4.04E+00	2.86E—02	3.46E—02	3.89E+01
330	3.92E—01	5.94E+01	3.65E-00	2.40E—02	4.17E—02	3.65E+01
340	4.58E—01	6.21E+01	3.29E+00	2.01E—02	5.00E—02	3.41E+01
350	5.32E—01	6.46E+01	2.96E+00	1.68E 02	5.97E—02	3.18E+01
360	6.16E-01	6.71E+01	2.66E+00	1.40E—02	7.10E—02	2.96E+01
370	7.11E—01	6.94E+01	2 38E+00	1.17E —02	8.42E—02	2.75E+01
380	8.17E—01	7.15E+01	2.12E+00	9.69E—03	9.95E—02	2.54E+01
390	9.37E—01	7.36E+01	1.89E+00	8.03E—03	1.17E—01	2.35E+01
400	1.07E+00	7.55E+01	1.68E+00	6.65E—03	1.37E—01	2.16E+01
410	1.22E+00	7.72E+01	1.49E+00	5.49E—03	1.61E—01	1.99E+01
420	1.38E+00	7.89E+01	1 32E+00	4.53E—03	1.88E—01	1.82E+01
430	1.57E+00	8.03E+01	1.17E+00	3.73E—03	2.18E -01	1.67E+01
440	1.77E+00	8.17E+01	1.03E+00	3.07E—03	2.54E—01	1.53E+01
450	2.00E+00	8.29E+01	9.08E - 01	2.52E 03	2.94E—01	1.39E+01
460	2.25E+00	8.39E+01	7.99E—01	2.07E—03	3.39E—01	1.27E+01
470	2.53E+00	8.48E+01	7.02E -01	1.69E—03	3.91E—01	1.16E+01
480	2.83E+00	8.56E+01	6.16E—01	1.39E 03	4.50E—01	1.05E+01
490	3.17E+00	8.62E+01	5.40E—01	1.13E—03	5.16E—01	9.54E+00
500	3.54E+00	8.67E+01	4.73E- 01	9.26E—04	5.91E—01	8.65E+00
510	3.94E+00	8.71E+01	4.14E—01	7.56E—04	6.76E—01	7.83E+00
520	4.38E+00	8.74E+01	3.62E—01	6.16E—04	7.72E—01	7.09E+00
530	4.87E+00	8.75E+01	3.16E—01	5.02E—04	8.80E—01	6.40E+00
540	5.39E+00	8.76E+01	2.75E—01	4.09E—04	1.00E+00	5.78E+00
550	5.97E+00	8.74E+01	2.40E—01	3.33E—04	1.11E+00	5.21E+00
560	6.59E+00	8.72E+01	2.09E—01	2.71E—04	1.29E+00	4.69E+00
570	7.27E+00	8.69E+01	1.82E—01	2.20E—04	1.46E+00	4.22E+00
580	8.01E+00	8.64E+01	1.58E—01	1.78E—04	1.64E+00	3.79E+00
590	8.08E+00	8.58E+01	1.37E—01	1 45E—04	1.85E+00	3.40E+00
600	9 65E+00	8.51E+01	1.19E—01	1.17E—04	2.09E+00	3.05E+00
610	1.06E+01	8.43E+01	1.03E—01	9.50E—05	2.34E+00	2.73E+00
620	1.16E+01	8.33E+01	8.88E—02	7.68E—05	2.62E+00	2.44E+00
630	1.26E+01	8.22E+01	7 67E 02	6.20E—05	2.94E+00	2.18E+00
640	1.37E+01	8.10E+01	6.61E—02	5.01E—05	3.28E+00	1.94E+00
650	1.49E+01	7.97E+01	5.69E 02	4.03E 05	3.65E+00	1.73E+00
660	1.62E+01	7.82E+01	4.90E—02	3.25E—05	4.06E+00	1.54E+00
670	1.75E+01	7.66E+01	4.21E—02	2.61E—05	4.50E+00	1.36E+00
680	1.89E+01	7.49E+01	3.60E—02	2.09E—05	4.98E+00	1.21E+00
690	2.03E+01	7.31E+01	3.08E—02	1 68E—05	5.49E+00	1.07E+00
700	2.18E+01	7.12E+01	2.63E—02	1.34E—05	6.04E+00	9.44E—01
710	2.31E+01	6.91E+01	2.25E—02	1.07E—05	6.64E+00	8.31E—01
720	2 50E+01	6.70E+01	1.91E—02	8.55E—06	7.27E+00	7.31E—01
730	2.66E+01	6.48E+01	1.62E—02	6.81E—06	7.93E+00	6.41E—01
740	2.83E+01	6 25E+01	1.38E—02	5.41E—06	8.64E+00	5.61E—01
750	3.00E+01	6.01E+01	1.16E—02	4 29E- 06	9.38E+00	4.90E—01
760	3.17E+01	5.77E+01	9.82E—03	3.39E—06	1.02E+01	4.27E 01
770	3.34E+01	5.52E+01	8.27E 03	2 68E—06	1.10E+01	3.71E—01
780	3.51E+01	5.27E+01	6.95E—03	2.11E —06	1.18E+01	3.22E—01
790	3.68E+01	5.02E+01	5.82E—03	1.66E—06	1.27E+01	2.79E—01
800	3.85E+01	4.77E+01	4.87E—03	1 30E—06	1.36E+01	2.41E—01

Таблица 23

Широтные вариации состава при средней солнечной активности для осеннего равноденствия в северном и весеннего в южном полушариях

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—266; LAT- 0; LON—45; LT- -12; *F*—150; *FΔV*—150; A_p—100, UT1- 9						
80	5.59E—04	1.32E—03	2.08E+01	9.04E- 01	1.57E—05	7.83E+01
90	6 15E—04	3.37E—01	2.02E+01	8.71E—01	9 59E- -05	7.86E+01
100	9.54E—04	3.79E+00	1.79E+01	7.43E- 01	1.44E—04	7.75E+01
110	2.51E—03	1.17E+ 01	1.30E+01	4.87E —01	3.26E—04	7.48E+01
120	7.66E—03	2.10E+01	8.56E+00	2.98E—01	6.50E—04	7.01E+01
130	1.68E- 02	2.79E+01	6.31E+00	2.06E—01	7.48E—04	6.56E+01
140	2.93E—02	3.33E+01	5.19E+00	1 51E—01	7.39E—04	6.14E+01
150	4.29E—02	3.79E+01	4.49E+00	1.14E—01	7.11E—04	5.75E+01
160	5.83E—02	4.21E+01	3.97E+00	8 94E- 02	7.03E- -04	5.38E+01
170	7.61E—02	4.60E+01	3.52E+00	7.11E—02	7.29E—04	5.03E+01
180	9.65E—02	4.97E+01	3.14E+00	5 73E —02	7.90E—04	4.70E+01
190	1.20E—01	5.32E+01	2.80E+00	4.65E—02	8.87E—04	4.38E+01
200	1 46E—01	5.65E+01	2.49E+00	3 80E- -02	1.02E—03	4.08E+01
210	1.76E—01	5.97E+01	2.22E+00	3.11E—02	1.19E—03	3.79E+01
220	2.11E—01	6.27E+01	1.98E+00	2.55E- 02	1.41E—03	3.51E+01
230	2.49E—01	6.55E+01	1.76E+00	2.09E—02	1.67E—03	3.25E+01
240	2 92E—01	6 81E+01	1.56E+00	1.72E—02	1.99E -03	3.00E+01
250	3.41E—01	7.06E+01	1.39E+00	1.41E—02	2.36E—03	2.77E+01
260	3.95E—01	7.29E+01	1.23E+00	1.16E—02	2 79E- -03	2.55E+01
270	4.56E—01	7 51E+01	1.09E+00	9.51E- 03	3.30E—03	2.34E+01
280	5.24E—01	7 71E+01	9.59E—01	7.80E—03	3.88E—03	2.14E+01
290	6.00E—01	7.89E+01	8.47E- -01	6.39E- 03	4.56E—03	1.96E+01
300	6.85E—01	8.06E+01	7.46E—01	5.23E—03	5 35E—03	1 79E+01
310	7.78E—01	8.22E+01	6.55E—01	4.27E- 03	6.23E—03	1.63E+01
320	8 83E- 01	8.36E+01	5.76E- 01	3.50E—03	7 26E—03	1 49E+01
330	9 99E—01	8.49E+01	5.06E—01	2.86E—03	8.44E—03	1.36E+01
340	1.13E+00	8.61E+01	4.45E—01	2.34E—03	9.79E—03	1.24E+01
350	1.27E+00	8.71E+01	3.90E—01	1.91E—03	1.13E—02	1.12E+01
360	1.43E+00	8.80E+01	3.42E—01	1.56E—03	1.31E- -02	1.02E+01
370	1.61E+00	8.88E+01	2 99E—01	1.27E—03	1.51E- -02	9.26E+00
380	1 80E+00	8 95E+01	2.62E—01	1.04E- 03	1.74E—02	8.40E+00
390	2.02E+00	9.01E+01	2 29E—01	8.45E- -04	2.00E—02	7.61E+00
400	2.25E+00	9.06E+01	2.00E—01	6.88E—04	2.29E—02	6.89E+00
410	2.51E+00	9.11E+01	1.75E—01	5.61E 04	2.62E—02	6.23E+00
420	2 80E+00	9.14E+01	1.53E —01	4.57E—04	3.00E —02	5.63E+00
430	3.12E+00	9 16E+01	1.33E—01	3.72E—04	3.43E—02	5.09E+00
440	3.16E+00	9.18E+01	1.16E 01	3.03E—04	3.91E -02	4.59E+00
450	3.84E+00	9 19E+01	1.01E—01	2.46E—04	4 45E—02	4.15E+00
460	4.26E+00	9.19E+01	8.84E 02	2.00E—04	5.07E -02	3.74E+00
470	4.72E+00	9.18E+01	7.70E- -02	1.63E—04	5.76E- -02	3.37E+00
480	5.22E+00	9.16E+01	6.70E—02	1.32E—04	6.53E- -02	3.04E+00
490	5.77E+00	9.14E+01	5.83E—02	1.08E—04	7.40E—02	2.74E+00
500	6.36E+00	9.10E+01	5.07E—02	8.75E—05	8.38E—02	2.46E+00

Продолжение табл. 2

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	7.01E+00	9.06E+01	4.41E−02	7.11E−05	9.47E−02	2.21E+00
520	7.72E+00	9.01E+01	3.83E−02	5.78E−05	1.07E−01	1.99E+00
530	8.49E+00	8.96E+01	3.33E−02	4.69E−05	1.21E−01	1.79E+00
540	9.32E+00	8.89E+01	2.89E−02	3.81E−05	1.36E−01	1.60E+00
550	1.02E+01	8.82E+01	2.51E−02	3.09E−05	1.53E−01	1.44E+00
560	1.12E+01	8.73E+01	2.17E−02	2.50E−05	1.71E−01	1.29E+00
570	1.22E+01	8.64E+01	1.88E−02	2.03E−05	1.92E−01	1.15E+00
580	1.33E+01	8.54E+01	1.63E−02	1.64E−05	2.15E−01	1.03E+00
590	1.45E+01	8.43E+01	1.41E−02	1.33E−05	2.40E−01	9.23E−01
600	1.58E+01	8.31E+01	1.22E−02	1.07E−05	2.68E−01	8.24E−01
610	1.72E+01	8.18E+01	1.05E−02	8.68E−06	2.98E−01	7.35E−01
620	1.86E+01	8.04E+01	9.04E−03	7.01E−06	3.31E−01	6.54E−01
630	2.02E+01	7.89E+01	7.79E−03	5.65E−06	3.68E−01	5.82E−01
640	2.18E+01	7.73E+01	6.70E−03	4.55E−06	4.07E−01	5.17E−01
650	2.35E+01	7.56E+01	5.75E−03	3.66E−06	4.50E−01	4.59E−01
660	2.53E+01	7.38E+01	4.93E−03	2.95E−06	4.96E−01	4.07E−01
670	2.72E+01	7.19E+01	4.22E−03	2.36E−06	5.46E−01	3.60E−01
680	2.91E+01	7.00E+01	3.61E−03	1.90E−06	5.99E−01	3.18E−01
690	3.11E+01	6.79E+01	3.08E−03	1.52E−06	6.56E−01	2.80E−01
700	3.32E+01	6.58E+01	2.63E−03	1.21E−06	7.17E−01	2.46E−01
710	3.54E+01	6.36E+01	2.24E−03	9.68E−07	7.82E−01	2.16E−01
720	3.75E+01	6.14E+01	1.90E−03	7.72E−07	8.50E−01	1.90E−01
730	3.98E+01	5.91E+01	1.61E−03	6.14E−07	9.22E−01	1.66E−01
740	4.20E+01	5.68E+01	1.36E−03	4.88E−07	9.98E−01	1.45E−01
750	4.43E+01	5.45E+01	1.15E−03	3.87E−07	1.08E+00	1.27E−01
760	4.66E+01	5.21E+01	9.72E−04	3.07E−07	1.16E+00	1.10E−01
770	4.89E+01	4.98E+01	8.18E−04	2.42E−07	1.25E+00	9.58E−02
780	5.12E+01	4.74E+01	6.87E−04	1.91E−07	1.34E+00	8.30E−02
790	5.34E+01	4.51E+01	5.77E−04	1.51E−07	1.43E+00	7.19E−02
800	5.57E+01	4.28E+01	4.83E−04	1.19E−07	1.52E+00	6.21E−02

D—266; LAT—40; LON—45; LT—12; *F*—150; *FΔV*—150; A_p—100, UT1—9

80	5.42E−04	1.29E−03	2.08E+01	8.66E−01	1.44E−05	7.83E+01
90	6.04E−04	3.31E−01	2.03E+01	8.07E−01	9.17E−05	7.85E+01
100	9.53E−04	3.75E+00	1.81E+01	6.52E−01	1.45E−04	7.75E+01
110	2.34E−03	1.09E+01	1.37E+01	4.26E−01	2.99E−04	7.50E+01
120	5.61E−03	1.85E+01	9.64E+00	2.67E−01	4.63E−04	7.16E+01
130	1.12E−02	2.43E+01	7.39E+00	1.78E−01	5.14E−04	6.81E+01
140	1.85E−02	2.90E+01	6.23E+00	1.25E−01	4.98E−04	6.46E+01
150	2.68E−02	3.31E+01	5.48E+00	9.19E−02	4.74E−04	6.13E+01
160	3.66E−02	3.70E+01	4.91E+00	7.05E−02	4.68E−04	5.80E+01
170	4.79E−02	4.06E+01	4.41E+00	5.56E−02	4.84E−04	5.48E+01
180	6.11E−02	4.42E+01	3.97E+00	4.47E−02	5.26E−04	5.17E+01
190	7.64E−02	4.76E+01	3.58E+00	3.64E−02	5.92E−04	4.87E+01
200	9.39E−02	5.09E+01	3.22E+00	2.99E−02	6.85E−04	4.58E+01

Продолжение табл. 23

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.14E—01	5.41E+01	2.90E+00	2.47E—02	8.05E—04	4.29E+01
220	1.37E—01	5.72E+01	2.60E+00	2.04E—02	9.56E—04	4.01E+01
230	1.63E—01	6.01E+01	2.33E+00	1.69E—02	1.14E—03	3.74E+01
240	1.92E—01	6.29E+01	2.09E+00	1.40E—02	1.36E—03	3.48E+01
250	2.26E—01	6.56E+01	1.87E+00	1.16E—02	1.63E—03	3.23E+01
260	2.63E—01	6.81E+01	1.66E+00	9.56E—03	1.94E—03	2.99E+01
270	3.06E—01	7.05E+01	1.48E+00	7.90E—03	2.30E—03	2.77E+01
280	3.53E—01	7.28E+01	1.32E+00	6.52E—03	2.72E—03	2.55E+01
290	4.06E—01	7.49E+01	1.17E+00	5.37E—03	3.21E—03	2.35E+01
300	4.66E—01	7.69E+01	1.04E+00	4.43E—03	3.78E—03	2.16E+01
310	5.31E—01	7.88E+01	9.15E—01	3.64E—03	4.43E—03	1.98E+01
320	6.06E—01	8.04E+01	8.09E—01	2.99E—03	5.18E—03	1.81E+01
330	6.88E—01	8.20E+01	7.14E—01	2.46E—03	6.05E—03	1.66E+01
340	7.80E—01	8.34E+01	6.30E—01	2.01E—03	7.04E—03	1.52E+01
350	8.82E—01	8.47E+01	5.54E—01	1.65E—03	8.17E—03	1.38E+01
360	9.95E—01	8.59E+01	4.88E—01	1.35E—03	9.47E—03	1.26E+01
370	1.12E+00	8.70E+01	4.29E—01	1.11E—03	1.10E—02	1.15E+01
380	1.26E+00	8.79E+01	3.76E—01	9.07E—04	1.26E—02	1.04E+01
390	1.41E+00	8.88E+01	3.30E—01	7.42E—04	1.46E—02	9.49E+00
400	1.58E+00	8.95E+01	2.89E—01	6.06E—04	1.67E—02	8.62E+00
410	1.77E+00	9.01E+01	2.54E—01	4.96E—04	1.92E—02	7.82E+00
420	1.98E+00	9.07E+01	2.22E—01	4.05E—04	2.20E—02	7.09E+00
430	2.21E+00	9.12E+01	1.94E—01	3.30E—04	2.52E—02	6.42E+00
440	2.46E+00	9.15E+01	1.70E—01	2.70E—04	2.88E—02	5.81E+00
450	2.73E+00	9.18E+01	1.49E—01	2.20E—04	3.29E—02	5.26E+00
460	3.04E+00	9.20E+01	1.30E—01	1.80E—04	3.75E—02	4.75E+00
470	3.37E+00	9.22E+01	1.13E—01	1.46E—04	4.27E—02	4.30E+00
480	3.74E+00	9.22E+01	9.90E—02	1.19E—04	4.86E—02	3.88E+00
490	4.14E+00	9.22E+01	8.64E—02	9.74E—05	5.52E—02	3.50E+00
500	4.57E+00	9.21E+01	7.53E—02	7.94E—05	6.26E—02	3.16E+00
510	5.05E+00	9.20E+01	6.57E—02	6.47E—05	7.09E—02	2.85E+00
520	5.58E+00	9.17E+01	5.73E—02	5.27E—05	8.03E—02	2.57E+00
530	6.15E+00	9.14E+01	4.99E—02	4.29E—05	9.07E—02	2.32E+00
540	6.77E+00	9.10E+01	4.34E—02	3.50E—05	1.02E—01	2.09E+00
550	7.44E+00	9.05E+01	3.78E—02	2.85E—05	1.16E—01	1.88E+00
560	8.17E+00	9.00E+01	3.29E—02	2.32E—05	1.30E—01	1.69E+00
570	8.96E+00	8.93E+01	2.86E—02	1.88E—05	1.46E—01	1.52E+00
580	9.82E+00	8.86E+01	2.48E—02	1.53E—05	1.64E—01	1.36E+00
590	1.07E+01	8.78E+01	2.16E—02	1.25E—05	1.84E—01	1.22E+00
600	1.17E+01	8.69E+01	1.87E—02	1.01E—05	2.06E—01	1.10E+00
610	1.28E+01	8.60E+01	1.62E—02	8.22E—06	2.31E—01	9.83E—01
620	1.40E+01	8.49E+01	1.41E—02	6.67E—06	2.58E—01	8.80E—01
630	1.52E+01	8.37E+01	1.22E—02	5.41E—06	2.87E—01	7.87E—01
640	1.65E+01	8.25E+01	1.06E—02	4.38E—06	3.20E—01	7.03E—01
650	1.79E+01	8.11E+01	9.10E—03	3.55E—06	3.55E—01	6.27E—01
660	1.94E+01	7.97E+01	7.85E—03	2.87E—06	3.94E—01	5.59E—01
670	2.09E+01	7.82E+01	6.77E—03	2.32E—06	4.36E—01	4.98E—01
680	2.25E+01	7.65E+01	5.83E—03	1.87E—06	4.82E—01	4.43E—01
690	2.43E+01	7.48E+01	5.01E—03	1.51E—06	5.31E—01	3.93E—01
700	2.61E+01	7.30E+01	4.30E—03	1.22E—06	5.84E—01	3.48E—01

Продолжение табл. 23

z, км	He/S, %	O S, %	O_2/S, %	Ar S, %	H S, %	N_2/S, %
710	2.79E+01	7.11E+01	3.69E—03	9.78E—07	6.41E—01	5.08E—01
720	2.99E+01	6.91E+01	3.16E—03	7.86E—07	7.03E—01	2.73E—01
730	3.19E+01	6.71E+01	2.70E—03	6.30E—07	7.68E—01	2.41E—01
740	3.40E+01	6.50E+01	2.30E—03	5.05E—07	8.38E—01	2.12E—01
750	3.61E+01	6.28E+01	1.96E—03	4.04E—07	9.11E—01	1.86E—01
760	3.82E+01	6.06E+01	1.67E—03	3.23E—07	9.89E—01	1.64E—01
770	4.05E+01	5.83E+01	1.42E—03	2.57E—07	1.07E+00	1.43E—01
780	4.27E+01	5.60E+01	1.20E—03	2.05E—07	1.16E+00	1.25E—01
790	4.49E+01	5.37E+01	1.02E—03	1.63E—07	1.25E+00	1.09E—01
800	4.72E+01	5.14E+01	8.58E—04	1.29E—07	1.34E+00	9.53E—02

D—266; LAT—80; LON—45; LT—12; *F*—150; $F\Delta V$—150; A_p—100; UTI—9

60	5.37E—04	1.03E—03	2.09E+01	9.63E—01	1.37E—05	7.82E+01
90	5.88E—04	2.57E—01	2.06E+01	9.60E—01	8.46E—05	7.82E+01
100	9.48E—04	2.86E+00	1.93E+01	8.51E—01	1.42E—04	7.73E+01
110	2.11E—03	7.69E+00	1.63E+01	6.82E—01	2.58E—04	7.54E+01
120	3.86E—03	1.20E+01	1.37E+01	5.57E—01	3.20E—04	7.37E+01
130	5.56E—03	1.52E+01	1.23E+01	4.72E—01	3.29E—04	7.23E+01
140	7.57E—03	1.77E+01	1.09E+01	4.09E—01	3.07E—04	7.09E+01
150	1.06E—02	1.99E+01	1.01E+01	3.57E—01	2.86E—04	6.96E+01
160	1.45E—02	2.20E+01	9.47E+00	3.12E—01	2.79E—04	6.82E+01
170	1.91E—02	2.40E+01	8.87E+00	2.72E—01	2.88E—04	6.68E+01
180	2.48E—02	2.61E+01	8.31E+00	2.37E—01	3.14E—04	6.53E+01
190	3.14E—02	2.82E+01	7.79E+00	2.06E—01	3.57E—04	6.38E+01
200	3.94E—02	3.03E+01	7.30E+00	1.79E—01	4.18E—04	6.22E+01
210	4.86E—02	3.25E+01	6.84E+00	1.56E—01	4.99E—04	6.04E+01
220	5.96E—02	3.48E+01	6.39E+00	1.35E—01	6.02E—04	5.86E+01
230	7.24E—02	3.71E+01	5.96E+00	1.17E—01	7.31E—04	5.68E+01
240	8.73E—02	3.95E+01	5.55E+00	1.02E—01	8.89E—04	5.48E+01
250	1.05E—01	4.19E+01	5.15E+00	8.80E—02	1.08E—03	5.27E+01
260	1.25E—01	4.44E+01	4.78E+00	7.60E—02	1.31E—03	5.06E+01
270	1.47E—01	4.69E+01	4.42E+00	6.56E—02	1.58E—03	4.85E+01
280	1.74E—01	4.94E+01	4.07E+00	5.64E—02	1.91E—03	4.63E+01
290	2.04E—01	5.19E+01	3.75E+00	4.85E—02	2.29E—03	4.41E+01
300	2.38E—01	5.44E+01	3.44E+00	4.16E—02	2.74E—03	4.19E+01
310	2.79E—01	5.64E+01	3.18E+00	3.59E—02	3.30E—03	4.01E+01
320	3.23E—01	5.89E+01	2.90E+00	3.06E—02	3.91E—03	3.78E+01
330	3.72E—01	6.14E+01	2.64E+00	2.61E—02	4.61E—03	5.56E+01
340	4.27E—01	6.37E+01	2.40E+00	2.21E—02	5.43E—03	3.24E+01
350	4.89E—01	6.60E+01	2.18E+00	1.88E—02	6.38E—03	3.13E+01
360	5.58E—01	6.81E+01	1.97E+00	1.59E—02	7.46E—03	2.93E+01
370	6.35E—01	7.02E+01	1.78E+00	1.31E—02	8.70E—03	2.73E+01
380	7.21E—01	7.22E+01	1.60E+00	1.13E—02	1.01E—02	2.55E+01
390	8.16E—01	7.40E+01	1.44E+00	9.56E—03	1.17E—02	2.37E+01
400	9.21E—01	7.58E+01	1.30E+00	8.05E—03	1.36E—02	2.20E+01

Продолжение табл. 23

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	1.04E+00	7.74E+01	1.16E+00	6.76E−03	1.57E−02	2.04E+01
420	1.17E+00	7.89E+01	1.04E+00	5.68E−03	1.81E−02	1.89E+01
430	1.31E+00	8.03E+01	9.30E−01	4.76E−03	2.07E−02	1.74E+01
440	1.46E+00	8.16E+01	8.31E−01	3.99E−03	2.38E−02	1.61E+01
450	1.64E+00	8.28E+01	7.41E−01	3.33E−03	2.72E−02	1.48E+01
460	1.82E+00	8.39E+01	6.61E−01	2.79E−03	3.11E−02	1.36E+01
470	2.03E+00	8.48E+01	5.88E−01	2.33E−03	3.55E−02	1.25E+01
480	2.26E+00	8.57E+01	5.23E−01	1.94E−03	4.04E−02	1.15E+01
490	2.50E+00	8.64E+01	4.65E−01	1.62E−03	4.59E−02	1.05E+01
500	2.77E+00	8.71E+01	4.13E−01	1.35E−03	5.20E−02	9.65E+00
510	3.07E+00	8.77E+01	3.66E−01	1.12E−03	5.89E−02	8.84E+00
520	3.39E+00	8.81E+01	3.25E−01	9.37E−04	6.67E−02	8.09E+00
530	3.74E+00	8.85E+01	2.88E−01	7.79E−04	7.53E−02	7.39E+00
540	4.12E+00	8.88E+01	2.55E−01	6.48E−04	8.49E−02	6.75E+00
550	4.53E+00	8.90E+01	2.25E−01	5.39E−04	9.57E−02	6.16E+00
560	4.98E+00	8.91E+01	1.99E−01	4.48E−04	1.08E−01	5.62E+00
570	5.47E+00	8.91E+01	1.76E−01	3.72E−04	1.21E−01	5.12E+00
580	6.00E+00	8.90E+01	1.55E−01	3.09E−04	1.36E−01	4.67E+00
590	6.57E+00	8.89E+01	1.37E−01	2.56E−04	1.52E−01	4.25E+00
600	7.18E+00	8.87E+01	1.21E−01	2.12E−04	1.70E−01	3.86E+00
610	7.84E+00	8.83E+01	1.07E−01	1.76E−04	1.90E−01	3.51E+00
620	8.56E+00	8.79E+01	9.40E−02	1.46E−04	2.12E−01	3.19E+00
630	9.32E+00	8.75E+01	8.27E−02	1.21E−04	2.37E−01	2.90E+00
640	1.01E+01	8.69E+01	7.28E−02	1.00E−04	2.63E−01	2.63E+00
650	1.10E+01	8.62E+01	6.40E−02	8.29E−05	2.93E−01	2.38E+00
660	1.20E+01	8.55E+01	5.62E−02	6.86E−05	3.25E−01	2.16E+00
670	1.30E+01	8.47E+01	4.94E−02	5.67E−05	3.60E−01	1.95E+00
680	1.40E+01	8.38E+01	4.33E−02	4.68E−05	3.99E−01	1.76E+00
690	1.52E+01	8.28E+01	3.80E−02	3.87E−05	4.41E−01	1.59E+00
700	1.64E+01	8.17E+01	3.33E−02	3.19E−05	4.87E−01	1.44E+00
710	1.77E+01	8.05E+01	2.91E−02	2.63E−05	5.37E−01	1.29E+00
720	1.90E+01	7.92E+01	2.54E−02	2.17E−05	5.90E−01	1.17E+00
730	2.04E+01	7.79E+01	2.22E−02	1.78E−05	6.48E−01	1.05E+00
740	2.19E+01	7.64E+01	1.94E−02	1.47E−05	7.11E−01	9.42E−01
750	2.34E+01	7.49E+01	1.69E−02	1.20E−05	7.78E−01	8.46E−01
760	2.50E+01	7.33E+01	1.47E−02	9.88E−06	8.50E−01	7.58E−01
770	2.67E+01	7.17E+01	1.28E−02	8.10E−06	9.27E−01	6.78E−01
780	2.85E+01	6.99E+01	1.11E−02	6.64E−06	1.01E+00	6.06E−01
790	3.02E+01	6.81E+01	9.61E−03	5.43E−06	1.10E+00	5.41E−01
800	3.21E+01	6.62E+01	8.32E−03	4.44E−06	1.19E+00	4.82E−01

D—266; LAT— —40; LON—45; LT—12; *F*—150; WΔ*V*—150; A_p—100; UT1—9

80	5.44E−04	1.28E−03	2.08E+01	9.56E−01	1.46E−05	7.82E+01
90	6.07E−04	3.29E−01	2.04E+01	9.51E−01	9.28E−05	7.83E+01
100	9.46E−04	3.69E+00	1.85E+01	8.48E−01	1.43E−04	7.70E+01

Продолжение табл. 25

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.36E—03	1.08E+01	1.45E+01	6.23E—01	3.04E—04	7.40E+01
120	5.67E—03	1.83E+01	1.08E+01	4.51E—01	4.88E—04	7.04E+01
130	1.02E—02	2.42E+01	8.67E+00	3.53E—01	5.44E—04	6.68E+01
140	1.59E—02	2.89E+01	7.44E+00	2.86E—01	5.30E—04	6.34E+01
150	2.29E—02	3.29E+01	6.59E+00	2.36E—01	5.07E—04	6.02E+01
160	3.11E—02	3.68E+01	5.92E+00	1.96E—01	5.00E—04	5.71E+01
170	4.07E—02	4.04E+01	5.34E+00	1.63E—01	5.17E—04	5.41E+01
180	5.18E—02	4.38E+01	4.83E+00	1.36E—01	5.60E—04	5.12E+01
190	6.46E—02	4.71E+01	4.37E+00	1.13E—01	6.29E—04	4.83E+01
200	7.91E—02	5.04E+01	3.95E+00	9.46E—02	7.25E—04	4.55E+01
210	9.56E—02	5.34E+01	3.57E+00	7.91E—02	8.49E—04	4.28E+01
220	1.14E—01	5.64E+01	3.22E+00	6.61E—02	1.00E—03	4.02E+01
230	1.36E—01	5.93E+01	2.91E+00	5.53E—02	1.19E—03	3.76E+01
240	1.59E—01	6.20E+01	2.62E+00	4.63E—02	1.41E—03	3.52E+01
250	1.86E—01	6.46E+01	2.35E+00	3.87E—02	1.68E—03	3.28E+01
260	2.16E—01	6.71E+01	2.11E+00	3.24E—02	1.98E—03	3.06E+01
270	2.50E—01	6.94E+01	1.90E+00	2.70E—02	2.34E—03	2.84E+01
280	2.87E—01	7.16E+01	1.70E+00	2.26E—02	2.75E—03	2.63E+01
290	3.29E—01	7.37E+01	1.52E+00	1.88E—02	3.23E—03	2.44E+01
300	3.75E—01	7.57E+01	1.36E+00	1.57E—02	3.78E—03	2.26E+01
310	4.26E—01	7.75E+01	1.21E+00	1.30E—02	4.40E—03	2.08E+01
320	4.83E—01	7.92E+01	1.08E+00	1.09E—02	5.11E—03	1.92E+01
330	5.46E—01	8.08E+01	9.59E—01	9.02E—03	5.92E—03	1.77E+01
340	6.15E—01	8.23E+01	8.53E—01	7.50E—03	6.85E—03	1.63E+01
350	6.92E—01	8.36E+01	7.57E—01	6.23E—03	7.90E—03	1.49E+01
360	7.77E—01	8.48E+01	6.72E—01	5.17E—03	9.10E—03	1.37E+01
370	8.71E—01	8.60E+01	5.96E—01	4.29E—03	1.05E—02	1.26E+01
380	9.74E—01	8.70E+01	5.28E—01	3.55E—03	1.20E—02	1.15E+01
390	1.09E+00	8.79E+01	4.68E—01	2.95E—03	1.37E—02	1.05E+01
400	1.21E+00	8.87E+01	4.14E—01	2.44E—03	1.57E—02	9.63E+00
410	1.35E+00	8.95E+01	3.66E—01	2.02E—03	1.79E—02	8.80E+00
420	1.50E+00	9.01E+01	3.23E—01	1.67E—03	2.04E—02	8.04E+00
430	1.66E+00	9.07E+01	2.86E—01	1.38E—03	2.32E—02	7.33E+00
440	1.84E+00	9.12E+01	2.52E—01	1.15E—03	2.63E—02	6.69E+00
450	2.04E+00	9.16E+01	2.22E—01	9.47E—04	2.98E—02	6.10E+00
460	2.26E+00	9.20E+01	1.96E—01	7.83E—04	3.38E—02	5.55E+00
470	2.50E+00	9.22E+01	1.73E—01	6.48E—04	3.83E—02	5.06E+00
480	2.75E+00	9.24E+01	1.53E—01	5.35E—04	4.33E—02	4.61E+00
490	3.04E+00	9.26E+01	1.34E—01	4.43E—04	4.89E—02	4.19E+00
500	3.35E+00	9.27E+01	1.18E—01	3.66E—04	5.51E—02	3.81E+00
510	3.68E+00	9.27E+01	1.04E—01	3.02E—04	6.21E—02	3.47E+00
520	4.05E+00	9.26E+01	9.19E—02	2.50E—04	6.99E—02	3.15E+00
530	4.44E+00	9.25E+01	8.09E—02	2.07E—04	7.86E—02	2.86E+00
540	4.88E+00	9.24E+01	7.12E—02	1.71E—04	8.83E—02	2.60E+00
550	5.34E+00	9.21E+01	6.26E—02	1.41E—04	9.91E—02	2.36E+00
560	5.85E+00	9.18E+01	5.50E—02	1.16E—04	1.11E—01	2.14E+00
570	6.40E+00	9.15E+01	4.84E—02	9.62E—05	1.24E—01	1.94E+00
580	7.00E+00	9.11E+01	4.25E—02	7.94E—05	1.39E—01	1.76E+00
590	7.64E+00	9.06E+01	3.74E—02	6.55E—05	1.56E—01	1.59E+00
600	8.33E+00	9.00E+01	3.28E—02	5.41E—05	1.74E—01	1.44E+00

Продолжение табл. 23

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N/S, %
610	9.08E+00	8.94E+01	2.88E—02	4.46E—05	1.94E—01	1.31E+00
620	9.88E+00	8.87E+01	2.53E—02	3.68E—05	2.16E—01	1.18E+00
630	1.07E+01	8.79E+01	2.21E—02	3.04E—05	2.40E—01	1.07E+00
640	1.17E+01	8.71E+01	1.94E—02	2.50E—05	2.66E—01	9.66E—01
650	1.26E+01	8.62E+01	1.70E—02	2.06E—05	2.96E—01	8.73E—01
660	1.37E+01	8.52E+01	1.49E—02	1.70E—05	3.28E—01	7.87E—01
670	1.48E+01	8.41E+01	1.30E—02	1.40E—05	3.62E—01	7.10E—01
680	1.60E+01	8.30E+01	1.14E—02	1.15E—05	4.01E—01	6.39E—01
690	1.72E+01	8.17E+01	9.93E—03	9.45E—06	4.42E—01	5.75E—01
700	1.86E+01	8.04E+01	8.66E—03	7.76E—06	4.87E—01	5.17E—01
710	2.00E+01	7.90E+01	7.55E—03	6.37E—06	5.35E—01	4.64E—01
720	2.14E+01	7.76E+01	6.57E—03	5.23E—06	5.88E—01	4.17E—01
730	2.30E+01	7.60E+01	5.72E—03	4.28E—06	6.44E—01	3.73E—01
740	2.46E+01	7.44E+01	4.97E—03	3.51E—06	7.04E—01	3.34E—01
750	2.63E+01	7.27E+01	4.31E—03	2.87E—06	7.69E—01	2.99E—01
760	2.80E+01	7.09E+01	3.73E—03	2.34E—06	8.39E—01	2.67E—01
770	2.98E+01	6.91E+01	3.23E—03	1.91E—06	9.12E—01	2.38E—01
780	3.16E+01	6.72E+01	2.80E—03	1.56E—06	9.91E—01	2.12E—01
790	3.35E+01	6.52E+01	2.41E—03	1.27E—06	1.07E+00	1.88E—01
800	3.55E+01	6.32E+01	2.08E—03	1.03E—06	1.16E+00	1.67E—01

D—266; LAT——80; LON—45; LT—12; *F*—150; $\overline{F}\Delta V$—150; A_p—100; UT1—9

80	5.45E—04	9.78E—04	2.09E+01	9.74E—01	1.51E—05	7.81E+01
90	5.99E—04	2.41E—01	2.07E+01	9.80E—01	9.50E—05	7.81E+01
100	9.42E—04	2.68E+00	1.96E+01	8.86E—01	1.54E—04	7.69E+01
110	2.15E—03	7.14E+01	1.75E+01	7.05E—01	3.04E—04	7.46E+01
120	3.84E—03	1.11E+01	1.58E+01	5.77E—01	4.16E—04	7.25E+01
130	4.26E—03	1.40E+01	1.46E+01	4.98E—01	4.50E—04	7.09E+01
140	4.90E—03	1.62E+01	1.36E+01	4.42E—01	4.39E—04	6.98E+01
150	6.67E—03	1.82E+01	1.27E+01	3.94E—01	4.25E—04	6.87E+01
160	9.08E—03	2.00E+01	1.20E+01	3.52E—01	4.27E—04	6.77E+01
170	1.20E—02	2.17E+01	1.13E+01	3.12E—01	4.49E—04	6.67E+01
180	1.55E—02	2.34E+01	1.07E+01	2.76E—01	4.95E—04	6.57E+01
190	1.96E—02	2.51E+01	1.01E+01	2.44E—01	5.66E—04	6.45E+01
200	2.44E—02	2.69E+01	9.55E+00	2.16E—01	6.63E—04	6.33E+01
210	3.00E—02	2.87E+01	9.05E+00	1.90E—01	7.88E—04	6.21E+01
220	3.65E—02	3.05E+01	8.55E+00	1.68E—01	9.45E—04	6.07E+01
230	4.40E—02	3.24E+01	8.07E+00	1.49E—01	1.14E—03	5.93E+01
240	5.27E—02	3.44E+01	7.61E+00	1.32E—01	1.37E—03	5.78E+01
250	6.26E—02	3.64E+01	7.17E+00	1.17E—01	1.65E—03	5.62E+01
260	7.39E—02	3.85E+01	6.74E+00	1.03E—01	1.98E—03	5.46E+01
270	8.67E—02	4.06E+01	6.33E+00	9.08E—02	2.37E—03	5.29E+01
280	1.01E—01	4.27E+01	5.94E+00	8.00E—02	2.82E—03	5.11E+01
290	1.18E—01	4.49E+01	5.56E+00	7.04E—02	3.35E—03	4.94E+01
300	1.36E—01	4.71E+01	5.19E+00	6.19E—02	3.96E—03	4.75E+01

Продолжение табл. 23

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.59E—01	4.88E+01	4.89E+00	5.50E—02	4.71E—03	4.61E+01
320	1.82E—01	5.10E+01	4.55E+00	4.81E—02	5.52E—03	4.42E+01
330	2.08E—01	5.33E+01	4.22E+00	4.21E—02	6.44E—03	4.22E+01
340	2.37E—01	5.55E+01	3.91E+00	3.68E—02	7.50E—03	4.03E+01
350	2.69E—01	5.77E+01	3.62E+00	3.21E—02	8.70E—03	3.84E+01
360	3.04E—01	5.98E+01	3.34E+00	2.80E—02	1.01E—02	3.65E+01
370	3.44E—01	6.19E+01	3.08E+00	2.44E—02	1.16E—02	3.46E+01
380	3.87E—01	6.40E+01	2.83E+00	2.12E—02	1.34E—02	3.28E+01
390	4.35E—01	6.59E+01	2.61E+00	1.84E—02	1.53E—02	3.10E+01
400	4.87E—01	6.78E+01	2.39E+00	1.59E—02	1.76E—02	2.93E+01
410	5.45E—01	6.96E+01	2.19E+00	1.38E—02	2.01E—02	2.76E+01
420	6.08E—01	7.13E+01	2.01E+00	1.19E—02	2.29E—02	2.60E+01
430	6.77E—01	7.30E+01	1.84E+00	1.03E—02	2.60E—02	2.45E+01
440	7.52E—01	7.46E+01	1.68E+00	8.92E—03	2.95E—02	2.30E+01
450	8.35E—01	7.60E+01	1.53E+00	7.69E—03	3.34E—02	2.16E+01
460	9.24E—01	7.74E+01	1.39E+00	6.63E—03	3.78E—02	2.02E+01
470	1.02E+00	7.88E+01	1.27E+00	5.71E—03	4.27E—02	1.89E+01
480	1.13E+00	8.00E+01	1.15E+00	4.91E—03	4.81E—02	1.77E+01
490	1.24E+00	8.11E+01	1.05E+00	4.23E—03	5.41E—02	1.65E+01
500	1.37E+00	8.22E+01	9.52E—01	3.63E—03	6.07E—02	1.54E+01
510	1.50E+00	8.32E+01	8.63E—01	3.12E—03	6.81E—02	1.44E+01
520	1.65E+00	8.41E+01	7.82E—01	2.68E—03	7.63E—02	1.34E+01
530	1.81E+00	8.49E+01	7.09E—01	2.30E—03	8.53E—02	1.24E+01
540	1.98E+00	8.57E+01	6.42E—01	1.97E—03	9.53E—02	1.16E+01
550	2.16E+00	8.64E+01	5.80E—01	1.69E—03	1.06E—01	1.08E+01
560	2.36E+00	8.70E+01	5.25E—01	1.45E—03	1.18E—01	1.00E+01
570	2.57E+00	8.75E+01	4.74E—01	1.24E—03	1.32E—01	9.28E+00
580	2.80E+00	8.80E+01	4.28E—01	1.06E—03	1.46E—01	8.61E+00
590	3.05E+00	8.84E+01	3.87E—01	9.07E—04	1.63E—01	7.98E+00
600	3.32E+00	8.88E+01	3.49E—01	7.76E—04	1.80E—01	7.40E+00
610	3.60E+00	8.90E+01	3.15E—01	6.64E—04	2.00E—01	6.85E+00
620	3.91E+00	8.92E+01	2.84E—01	5.68E—04	2.21E—01	6.35E+00
630	4.24E+00	8.94E+01	2.56E—01	4.86E—04	2.45E—01	5.87E+00
640	4.59E+00	8.95E+01	2.30E—01	4.15E—04	2.70E—01	5.43E+00
650	4.97E+00	8.95E+01	2.08E—01	3.55E—04	2.98E—01	5.02E+00
660	5.37E+00	8.95E+01	1.87E—01	3.03E—04	3.29E—01	4.64E+00
670	5.81E+00	8.94E+01	1.68E—01	2.59E—04	3.63E—01	4.29E+00
680	6.27E+00	8.92E+01	1.51E—01	2.21E—04	3.99E—01	3.96E+00
690	6.76E+00	8.90E+01	1.36E—01	1.89E—04	4.39E—01	3.65E+00
700	7.28E+00	8.87E+01	1.22E—01	1.61E—04	4.82E—01	3.37E+00
710	7.84E+00	8.84E+01	1.10E—01	1.38E—04	5.29E—01	3.11E+00
720	8.43E+00	8.80E+01	9.87E—02	1.17E—04	5.80E—01	2.86E+00
730	9.06E+00	8.76E+01	8.87E—02	1.00E—04	6.35E—01	2.64E+00
740	9.72E+00	8.71E+01	7.96E—02	8.53E—05	6.95E—01	2.43E+00
750	1.04E+01	8.65E+01	7.14E—02	7.28E—05	7.60E—01	2.24E+00
760	1.12E+01	8.59E+01	6.40E—02	6.20E—05	8.30E—01	2.06E+00
770	1.20E+01	8.52E+01	5.74E—02	5.28E—05	9.06E—01	1.89E+00
780	1.28E+01	8.44E+01	5.14E—02	4.50E—05	9.87E—01	1.74E+00
790	1.37E+01	8.36E+01	4.60E—02	3.83E—05	1.07E+00	1.60E+00
800	1.46E+01	8.28E+01	4.12E—02	3.26E—05	1.17E+00	1.46E+00

Таблица 24

Широтные вариации состава при высокой солнечной активности для осеннего равноденствия в северном и весеннего в южном полушариях

z, км	He,S, %	O,S, %	O_2,S, %	Ar,S, %	H,S, %	N_2,S, %
D—266; LAT—0; LON—45; LT—12; *F*—200; *F*Δ*V*—200; A_p—100; UT1—9						
80	5.54E—04	1.37E—03	2.07E+01	9.02E—01	1.40E—05	7.83E+01
90	6.16E—04	3.52E—01	2.02E+01	8.69E—01	8.41E—05	7.86E+01
100	9.54E—04	3.98E+00	1.77E+01	7.40E—01	1.19E—04	7.76E+01
110	2.47E—03	1.23E+01	1.26E+01	4.83E—01	2.55E—04	7.46E+01
120	5.29E—03	2.09E+01	8.26E+00	3.18E—01	3.35E—04	7.05E+01
130	1.13E—02	2.71E+01	6.11E+00	2.31E—01	3.18E—04	6.66E+01
140	2.12E—02	3.20E+01	5.05E+00	1.73E—01	2.86E—04	6.27E+01
150	3.19E—02	3.65E+01	4.39E+00	1.32E—01	2.66E—04	5.89E+01
160	4.42E—02	4.08E+01	3.87E+00	1.03E—01	2.62E—04	5.52E+01
170	5.86E—02	4.48E+01	3.44E+00	8.22E—02	2.73E—04	5.16E+01
180	7.53E—02	4.86E+01	3.06E+00	6.62E—02	2.98E—04	4.82E+01
190	9.48E—02	5.23E+01	2.73E+00	5.36E—02	3.39E—04	4.49E+01
200	1.17E—01	5.56E+01	2.43E+00	4.39E—02	3.92E—04	4.18E+01
210	1.41E—01	5.88E+01	2.18E+00	3.61E—02	4.59E—04	3.89E+01
220	1.67E—01	6.17E+01	1.95E+00	2.99E—02	5.41E—04	3.62E+01
230	1.97E—01	6.44E+01	1.74E+00	2.48E—02	6.37E—04	3.36E+01
240	2.30E—01	6.70E+01	1.56E+00	2.07E—02	7.50E—04	3.12E+01
250	2.66E—01	6.94E+01	1.40E+00	1.73E—02	8.81E—04	2.90E+01
260	3.05E—01	7.16E+01	1.25E+00	1.44E—02	1.03E—03	2.69E+01
270	3.48E—01	7.36E+01	1.12E+00	1.21E—02	1.20E—03	2.49E+01
280	3.95E—01	7.55E+01	1.01E+00	1.01E—02	1.39E—03	2.31E+01
290	4.46E—01	7.73E+01	9.02E—01	8.52E—03	1.61E—03	2.14E+01
300	5.02E—01	7.89E+01	8.09E—01	7.16E—03	1.85E—03	1.98E+01
310	5.60E—01	8.05E+01	7.21E—01	5.98E—03	2.11E—03	1.82E+01
320	6.28E—01	8.19E+01	6.46E—01	5.03E—03	2.42E—03	1.68E+01
330	7.01E—01	8.32E+01	5.78E—01	4.23E—03	2.77E—03	1.55E+01
340	7.82E—01	8.44E+01	5.17E—01	3.55E—03	3.16E—03	1.43E+01
350	8.71E—01	8.54E+01	4.62E—01	2.98E—03	3.60E—03	1.32E+01
360	9.68E—01	8.64E+01	4.12E—01	2.50E—03	4.10E—03	1.22E+01
370	1.07E+00	8.73E+01	3.68E—01	2.10E—03	4.65E—03	1.12E+01
380	1.19E+00	8.82E+01	3.28E—01	1.76E—03	5.28E—03	1.03E+01
390	1.32E+00	8.89E+01	2.93E—01	1.47E—03	5.97E—03	9.49E+00
400	1.46E+00	8.96E+01	2.60E—01	1.23E—03	6.79E—03	8.70E+00
410	1.61E+00	9.02E+01	2.31E—01	1.03E—03	7.67E—03	7.99E+00
420	1.78E+00	9.07E+01	2.06E—01	8.62E—04	8.65E—03	7.33E+00
430	1.96E+00	9.11E+01	1.83E—01	7.22E—04	9.74E—03	6.72E+00
440	2.15E+00	9.15E+01	1.63E—01	6.05E—04	1.10E—02	6.16E+00
450	2.37E+00	9.18E+01	1.45E—01	5.06E—04	1.23E—02	5.65E+00
460	2.60E+00	9.21E+01	1.29E—01	4.24E—04	1.38E—02	5.18E+00
470	2.85E+00	9.23E+01	1.15E—01	3.55E—04	1.55E—02	4.74E+00
480	3.12E+00	9.24E+01	1.02E—01	2.97E—04	1.74E—02	4.34E+00
490	3.41E+00	9.25E+01	9.05E—02	2.48E—04	1.95E—02	3.97E+00
500	3.73E+00	9.25E+01	8.04E—02	2.08E—04	2.18E—02	3.64E+00

Продолжение табл. 24

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	4.08E+00	9.25E+01	7.14E−02	1.74E−04	2.43E−02	3.32E+00
520	4.15E+00	9.24E+01	6.33E−02	1.46E−04	2.71E−02	3.04E+00
530	4.86E+00	9.23E+01	5.62E−02	1.22E−04	3.03E−02	2.78E+00
540	5.30E+00	9.21E+01	4.99E−02	1.02E−04	3.37E−02	2.54E+00
550	5.77E+00	9.18E+01	4.42E−02	8.52E−05	3.75E−02	2.32E+00
560	6.27E+00	9.15E+01	3.92E−02	7.13E−05	4.17E−02	2.12E+00
570	6.82E+00	9.12E+01	3.48E−02	5.96E−05	4.63E−02	1.93E+00
580	7.41E+00	9.07E+01	3.08E−02	4.99E−05	5.14E−02	1.76E+00
590	8.04E+00	9.03E+01	2.73E−02	4.17E−05	5.70E−02	1.61E+00
600	8.71E+00	8.97E+01	2.42E−02	3.49E−05	6.32E−02	1.47E+00
610	9.43E+00	8.91E+01	2.14E−02	2.91E−05	6.99E−02	1.34E+00
620	1.02E+01	8.85E+01	1.90E−02	2.43E−05	7.73E−02	1.22E+00
630	1.10E+01	8.78E+01	1.68E−02	2.03E−05	8.53E−02	1.11E+00
640	1.19E+01	8.70E+01	1.48E−02	1.70E−05	9.41E−02	1.01E+00
650	1.28E+01	8.61E+01	1.31E−02	1.42E−05	1.04E−01	9.16E−01
660	1.38E+01	8.52E+01	1.16E−02	1.18E−05	1.14E−01	8.32E−01
670	1.49E+01	8.42E+01	1.02E−02	9.87E−06	1.25E−01	7.56E−01
680	1.60E+01	8.32E+01	9.01E−03	8.23E−06	1.38E−01	6.86E−01
690	1.72E+01	8.20E+01	7.94E−03	6.86E−06	1.51E−01	6.22E−01
700	1.84E+01	8.09E+01	6.99E−03	5.71E−06	1.65E−01	5.63E−01
710	1.97E+01	7.96E+01	6.16E−03	4.75E−06	1.81E−01	5.10E−01
720	2.11E+01	7.83E+01	5.42E−03	3.95E−06	1.97E−01	4.61E−01
730	2.25E+01	7.69E+01	4.76E−03	3.29E−06	2.15E−01	4.17E−01
740	2.40E+01	7.54E+01	4.18E−03	2.73E−06	2.34E−01	3.76E−01
750	2.55E+01	7.39E+01	3.66E−03	2.27E−06	2.54E−01	3.39E−01
760	2.71E+01	7.23E+01	3.21E−03	1.88E−06	2.76E−01	3.05E−01
770	2.88E+01	7.06E+01	2.81E−03	1.56E−06	2.99E−01	2.75E−01
780	3.05E+01	6.89E+01	2.46E−03	1.29E−06	3.23E−01	2.47E−01
790	3.23E+01	6.72E+01	2.15E−03	1.07E−06	3.49E−01	2.22E−01
800	3.41E+01	6.54E+01	1.87E−03	8.80E−07	3.76E−01	1.99E−01
D—266; LAT—40; LON—45; LT—12; *F*—200; *FΔV*—200; A_p—3; UT1—9						
80	5.41E−04	1.35E−03	2.08E+01	8.79E−01	1.41E−05	7.84E+01
90	6.07E−04	3.50E−01	2.01E+01	8.29E−01	8.85E−05	7.87E+01
100	9.58E−04	3.99E+00	1.74E+01	6.83E−01	1.37E−04	7.79E+01
110	2.26E−03	1.19E+01	1.22E+01	4.46E−01	2.76E−04	7.54E+01
120	4.69E−03	2.02E+01	7.70E+00	2.85E−01	3.75E−04	7.18E+01
130	9.36E−03	2.61E+01	5.55E+00	1.99E−01	3.67E−04	6.81E+01
140	1.68E−02	3.09E+01	4.54E+00	1.43E−01	3.44E−04	6.43E+01
150	2.53E−02	3.55E+01	3.93E+00	1.05E−01	3.34E−04	6.05E+01
160	3.54E−02	3.98E+01	3.46E+00	7.99E−02	3.43E−04	5.66E+01
170	4.77E−02	4.40E+01	3.05E+00	6.19E−02	3.71E−04	5.28E+01
180	6.21E−02	4.80E+01	2.70E+00	4.88E−02	4.18E−04	4.92E+01
190	7.95E−02	5.18E+01	2.39E+00	3.89E−02	4.88E−04	4.57E+01
200	9.91E−02	5.54E+01	2.12E+00	3.13E−02	5.78E−04	4.24E+01

Продолжение табл. 24

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	1.21E—01	5.87E+01	1.88E+00	2.54E—02	6.89E—04	3.92E+01
220	1.46E—01	6.18E+01	1.67E+00	2.07E—02	8.25E—04	3.63E+01
230	1.74E—01	6.47E+01	1.48E+00	1.70E—02	9.87E—04	3.36E+01
240	2.05E—01	6.74E+01	1.32E+00	1.40E—02	1.18E—03	3.10E+01
250	2.39E—01	7.00E+01	1.17E+00	1.15E—02	1.40E—03	2.86E+01
260	2.77E—01	7.23E+01	1.04E+00	9.50E—03	1.65E—03	2.64E+01
270	3.18E—01	7.44E+01	9.26E—01	7.85E—03	1.95E—03	2.43E+01
280	3.64E—01	7.64E+01	8.22E—01	6.50E—03	2.28E—03	2.24E+01
290	4.15E—01	7.82E+01	7.31E—01	5.38E—03	2.66E—03	2.06E+01
300	4.70E—01	7.99E+01	6.49E—01	4.46E—03	3.09E—03	1.90E+01
310	5.28E—01	8.16E+01	5.74E—01	3.68E—03	3.56E—03	1.73E+01
320	5.96E—01	8.30E+01	5.09E—01	3.05E—03	4.12E—03	1.59E+01
330	6.70E—01	8.43E+01	4.52E—01	2.53E—03	4.75E—03	1.46E+01
340	7.53E—01	8.55E+01	4.00E—01	2.10E—03	5.47E—03	1.34E+01
350	8.43E—01	8.65E+01	3.54E—01	1.73E—03	6.29E—03	1.23E+01
360	9.43E—01	8.75E+01	3.13E—01	1.44E—03	7.21E—03	1.12E+01
370	1.05E+00	8.84E+01	2.77E—01	1.19E—03	8.26E—03	1.02E+01
380	1.17E+00	8.92E+01	2.45E—01	9.82E—04	9.44E—03	9.36E+00
390	1.31E+00	8.99E+01	2.16E—01	8.12E—04	1.08E—02	8.54E+00
400	1.46E+00	9.06E+01	1.91E—01	6.70E—04	1.23E—02	7.79E+00
410	1.13E+00	8.88E+01	3.25E—01	8.72E—04	5.78E—03	9.76E+00
420	1.25E+00	8.95E+01	2.90E—01	7.32E—04	6.54E—03	8.97E+00
430	1.38E+00	9.01E+01	2.58E—01	6.14E—04	7.38E—03	8.25E+00
440	1.52E+00	9.07E+01	2.30E—01	5.14E—04	8.32E—03	7.58E+00
450	1.68E+00	9.12E+01	2.05E—01	4.31E—04	9.38E—03	6.95E+00
460	1.84E+00	9.16E+01	1.83E—01	3.61E—04	1.06E—02	6.38E+00
470	2.03E+00	9.19E+01	1.62E—01	3.03E—04	1.19E—02	5.85E+00
480	2.23E+00	9.22E+01	1.45E—01	2.54E—04	1.33E—02	5.37E+00
490	2.44E+00	9.25E+01	1.29E—01	2.13E—04	1.49E—02	4.92E+00
500	2.68E+00	9.27E+01	1.14E—01	1.78E—04	1.67E—02	4.51E+00
510	2.93E+00	9.28E+01	1.02E—01	1.49E—04	1.88E—02	4.13E+00
520	3.21E+00	9.29E+01	9.04E—02	1.25E—04	2.10E—02	3.78E+00
530	3.50E+00	9.29E+01	8.03E—02	1.05E—04	2.34E—02	3.46E+00
540	3.83E+00	9.29E+01	7.14E—02	8.77E—05	2.62E—02	3.17E+00
550	4.18E+00	9.28E+01	6.34E—02	7.35E—05	2.92E—02	2.90E+00
560	4.55E+00	9.27E+01	5.63E—02	6.16E—05	3.26E—02	2.65E+00
570	4.96E+00	9.25E+01	5.00E—02	5.16E—05	3.63E—02	2.42E+00
580	5.40E+00	9.23E+01	4.44E—02	4.32E—05	4.03E—02	2.21E+00
590	5.88E+00	9.20E+01	3.94E—02	3.62E—05	4.48E—02	2.02E+00
600	6.39E+00	9.17E+01	3.50E—02	3.03E—05	4.98E—02	1.85E+00
610	6.93E+00	9.13E+01	3.10E—02	2.54E—05	5.53E—02	1.69E+00
620	7.52E+00	9.08E+01	2.75E—02	2.12E—05	6.13E—02	1.54E+00
630	8.15E+00	9.03E+01	2.44E—02	1.78E—05	6.79E—02	1.41E+00
640	8.83E+00	8.98E+01	2.16E—02	1.49E—05	7.51E—02	1.28E+00
650	9.56E+00	8.92E+01	1.91E—02	1.24E—05	8.30E—02	1.17E+00
660	1.03E+01	8.85E+01	1.70E—02	1.04E—05	9.17E—02	1.06E+00
670	1.12E+01	8.78E+01	1.50E—02	8.70E—06	1.01E—01	9.70E—01
680	1.20E+01	8.70E+01	1.33E—02	7.28E—06	1.11E—01	8.82E—01
690	1.30E+01	8.61E+01	1.17E—02	6.08E—06	1.23E—01	8.03E—01
700	1.40E+01	8.52E+01	1.04E—02	5.08E—06	1.35E—01	7.30E—01

Продолжение табл. 24

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	1.50E+01	8.42E+01	9.17E-03	4.24E—06	1.48E—01	6.63E—01
720	1.61E+01	8.31E+01	8.09E—03	3.54E 06	1 62E 01	6.02E-01
730	1.73E+01	8.20E+01	7.14E—03	2.96E—06	1.78E—01	5 46E—01
740	1.85E+01	8.08E+01	6.30E—03	2.46E—06	1.95E 01	4.95E—01
750	1 98E+01	7.95E+01	5.55E—03	2.05E—06	2.12E—01	4.48E—01
760	2.12E+01	7.82E+01	4.88E—03	1.71E—06	2.32E—01	4.06E—01
770	2.26E+01	7.68E+01	4.29E-03	1.42E—06	2.52E—01	3.67E—01
780	2.41E+01	7.53E+01	3.77E—03	1.18E—06	2.75E—01	3.31E—01
790	2.56E+01	7.38E+01	3,31E-03	9.84E 07	2.98E—01	2.99E—01
800	2 72E+01	7.22E-01	2.90E—03	8.17E 07	3.23E—01	2.69E-01
	D—266; LAT—80; LON—45; LT—12; F—200; $F\Delta V$—200; A_p—100; UT1—9					
80	5 38E- 04	1.07E—03	2.09E+01	9 61E 01	1.25E-05	7.82E+01
90	5.88E—04	2.68E—01	2.05E+01	9.59E—01	7.31E—05	7.83E+01
100	9.49E—04	2.99E+00	1.88E-01	8 50E—01	1.17E—04	7 74E+01
110	2.16E—03	8.14E+00	1 57E+01	6.77E—01	2.05E—04	7 55E+01
120	3.96E—03	1.27E+01	1.29E+01	5.52E—01	2.37E—04	7.38E+01
130	5.61E—03	1.61E+01	1.11E+01	4 70E—01	2.24E—04	7 23E+01
140	7.46E—03	1.87E+01	1.00E+01	4.10E—01	1.91E—04	7.09E+01
150	1.02E-02	2.09E+01	9.29E+00	3.61E—01	1.64E—04	6.95E+01
160	1 37E—02	2.29E+01	8.71E+00	3.18E—01	1.49E—04	6.80E+01
170	1.78E—02	2.49E+01	8.18E+00	2.80E—01	1.45E—04	6.66E+01
180	2.26E—02	2 69E+01	7.69E+00	2 46E—01	1 51E—04	6.52E+01
190	2.82E—02	2.88E+01	7.24E+00	2.16E—01	1.65E—04	6.37E+01
200	3 47E—02	3.08E+01	6.81E+00	1 90E—01	1.86E—04	6.21E+01
210	4 20E-02	3.29E+01	6.42E+00	1.67E—01	2.16E—04	6.05E+01
220	5.06E—02	3.50E+01	6.03E+00	1.47E 01	2.54E-04	5.88E+01
230	6.04E—02	3.71E+01	5.65E+00	1.29E—01	3.01E—04	5.70E+01
240	7.16E—02	3.93E+01	5.30E+00	1.13E—01	3.58E-04	5.52E+01
250	8.44E—02	4.15E+01	4 96E+00	9.98E—02	4.25E—04	5 34E+01
260	9.89E—02	4.37E+01	4.63E+00	8.75E—02	5.07E—04	5.15E+01
270	1.15E—01	4.60E+01	4 32E+00	7.66E—02	6.02E—04	4 95E+01
280	1.34E—01	4.83E+01	4.02E+00	6.69E—02	7.12E—04	4.75E+01
290	1.55E—01	5.05E+01	3 73E+00	5.84E—02	8.40E-04	4.55E+01
300	1.78E—01	5.28E+01	3.46E+00	5.10E—02	9 88E—04	4.35E+01
310	2.06E—01	5.47E+01	3 22E+00	4.47E—02	1.17E—03	4.18E+01
320	2.35E—01	5.70E+01	2.98E+00	3.88E—02	1.36E—03	3.98E+01
330	2 68E—01	5.92E+01	2.74E+00	3.37E—02	1.58E—03	3.78E+01
340	3.04E-01	6.14E+01	2.52E+00	2.91E—02	1.84E—03	3.58E+01
350	3.44E—01	6.35E+01	2.31E+00	2.52E—02	2.13E—03	3.39E+01
360	3.88E—01	6.55E+01	2.12E+00	2.18E 02	2.46E—03	3.20E+01
370	4.37E—01	6.75E+01	1.94E+00	1.88E—02	2.83E—03	3.01E+01
380	4.91E—01	6 94E+01	1.77E+00	1.62E—02	3.25E-03	2.84E+01
390	5.50E—01	7.12E+01	1.62E+00	1 39E—02	3.72E—03	2.66E+01
400	6.16E—01	7.29E+01	1.47E+00	1.20E—02	4.26E—03	2.50E+01

Продолжение табл. 24

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	6.87E−01	7.45E+01	1.34E+00	1.03E−02	4.86E−03	2.34E+01
420	7.65E−01	7.61E+01	1.22E+00	8.81E−03	5.53E−03	2.19E+01
430	8.51E−01	7.76E+01	1.11E+00	7.54E−03	6.28E−03	2.05E+01
440	9.45E−01	7.89E+01	1.00E+00	6.46E−03	7.13E−03	1.91E+01
450	1.05E+00	8.02E+01	9.09E−01	5.52E−03	8.07E−03	1.78E+01
460	1.16E+00	8.14E+01	8.22E−01	4.72E−03	9.12E−03	1.66E+01
470	1.28E+00	8.25E+01	7.44E−01	4.03E−03	1.03E−02	1.54E+01
480	1.41E+00	8.36E+01	6.72E−01	3.44E−03	1.16E−02	1.43E+01
490	1.55E+00	8.45E+01	6.06E−01	2.93E−03	1.30E−02	1.33E+01
500	1.71E+00	8.54E+01	5.47E−01	2.50E−03	1.47E−02	1.24E+01
510	1.88E+00	8.61E+01	4.93E−01	2.13E−03	1.64E−02	1.15E+01
520	2.06E+00	8.69E+01	4.44E−01	1.81E−03	1.84E−02	1.06E+01
530	2.26E+00	8.75E+01	4.00E−01	1.54E−03	2.06E−02	9.83E+00
540	2.47E+00	8.80E+01	3.60E−01	1.31E−03	2.30E−02	9.10E+00
550	2.70E+00	8.85E+01	3.24E−01	1.12E−03	2.57E−02	8.42E+00
560	2.95E+00	8.90E+01	2.91E−01	9.50E−04	2.87E−02	7.78E+00
570	3.22E+00	8.93E+01	2.61E−01	8.07E−04	3.20E−02	7.19E+00
580	3.51E+00	8.96E+01	2.35E−01	6.86E−04	3.56E−02	6.63E+00
590	3.82E+00	8.98E+01	2.11E−01	5.83E−04	3.95E−02	6.12E+00
600	4.15E+00	9.00E+01	1.89E−01	4.95E−04	4.39E−02	5.65E+00
610	4.51E+00	9.01E+01	1.70E−01	4.20E−04	4.87E−02	5.21E+00
620	4.90E+00	9.01E+01	1.52E−01	3.57E−04	5.40E−02	4.80E+00
630	5.32E+00	9.01E+01	1.36E−01	3.03E−04	5.98E−02	4.42E+00
640	5.77E+00	9.00E+01	1.22E−01	2.57E−04	6.61E−02	4.07E+00
650	6.24E+00	8.98E+01	1.09E−01	2.18E−04	7.31E−02	3.75E+00
660	6.76E+00	8.96E+01	9.80E−02	1.85E−04	8.07E−02	3.45E+00
670	7.30E+00	8.94E+01	8.77E−02	1.57E−04	8.90E−02	3.17E+00
680	7.89E+00	8.90E+01	7.85E−02	1.33E−04	9.81E−02	2.91E+00
690	8.51E+00	8.86E+01	7.02E−02	1.13E−04	1.08E−01	2.68E+00
700	9.17E+00	8.82E+01	6.28E−02	9.56E−05	1.19E−01	2.46E+00
710	9.88E+00	8.77E+01	5.61E−02	8.10E−05	1.31E−01	2.26E+00
720	1.06E+01	8.71E+01	5.01E−02	6.86E−05	1.43E−01	2.07E+00
730	1.14E+01	8.65E+01	4.48E−02	5.81E−05	1.57E−01	1.90E+00
740	1.23E+01	8.58E+01	3.99E−02	4.92E−05	1.72E−01	1.74E+00
750	1.32E+01	8.50E+01	3.56E−02	4.16E−05	1.88E−01	1.59E+00
760	1.41E+01	8.42E+01	3.18E−02	3.52E−05	2.06E−01	1.46E+00
770	1.51E+01	8.33E+01	2.83E−02	2.98E−05	2.25E−01	1.33E+00
780	1.61E+01	8.24E+01	2.52E−02	2.52E−05	2.45E−01	1.22E+00
790	1.72E+01	8.14E+01	2.24E−02	2.13E−05	2.67E−01	1.11E+00
800	1.84E+01	8.03E+01	1.99E−02	1.79E−05	2.90E−01	1.02E+00

D—266; LAT—−40; LON—45; LT—12; F—200; $F\Delta V$—200; A_p—100; UTI—9

80	5.44E−04	1.34E−03	2.08E+01	9.55E−01	1.35E−05	7.82E+01
90	6.08E−04	3.46E−01	2.04E+01	9.49E−01	8.12E−05	7.84E+01
100	9.46E−04	3.90E+00	1.83E+01	8.46E−01	1.18E−04	7.70E+01

Продолжение табл. 24

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.17E—03	1.15E+01	1.40E+01	6.17E—01	2.22E—04	7.39E+01
120	3.97E—03	1.86E+01	1.04E+01	4.74E—01	2.59E—04	7.05E+01
130	7.13E—03	2.39E+01	8.30E+00	3.87E—01	2.40E—04	6.74E+01
140	1.17E—02	2.81E+01	7.17E+00	3.24E—01	2.10E—04	6.44E+01
150	1.70E—02	3.20E+01	6.39E+00	2.71E—01	1.91E—04	6.13E+01
160	2.33E—02	3.58E+01	5.75E+00	2.26E—01	1.86E—04	5.82E+01
170	3.09E—02	3.95E+01	5.18E+00	1.87E—01	1.93E—04	5.51E+01
180	3.99E—02	4.31E+01	4.68E+00	1.56E—01	2.11E—04	5.20E+01
190	5.05E—02	4.66E+01	4.21E+00	1.29E—01	2.41E—04	4.90E+01
200	6.26E—02	4.99E+01	3.80E+00	1.08E—01	2.81E—04	4.61E+01
210	7.59E—02	5.31E+01	3.44E+00	8.99E—02	3.31E—04	4.33E+01
220	9.10E—02	5.61E+01	3.11E+00	7.55E—02	3.92E—04	4.06E+01
230	1.08E—01	5.89E+01	2.81E+00	6.35E—02	4.64E—04	3.81E+01
240	1.26E—01	6.16E+01	2.54E+00	5.35E—02	5.48E—04	3.57E+01
250	1.46E—01	6.41E+01	2.30E+00	4.53E—02	6.45E—04	3.34E+01
260	1.69E—01	6.64E+01	2.08E+00	3.84E—02	7.55E—04	3.13E+01
270	1.93E—01	6.86E+01	1.88E+00	3.25E—02	8.81E—04	2.93E+01
280	2.19E—01	7.07E+01	1.71E+00	2.76E—02	1.02E—03	2.74E+01
290	2.48E—01	7.26E+01	1.54E+00	2.35E—02	1.18E—03	2.55E+01
300	2.79E—01	7.45E+01	1.40E+00	2.00E—02	1.36E—03	2.38E+01
310	3.11E—01	7.63E+01	1.26E+00	1.70E—02	1.56E—03	2.22E+01
320	3.48E—01	7.78E+01	1.14E+00	1.44E—02	1.77E—03	2.07E+01
330	3.89E—01	7.93E+01	1.03E+00	1.23E—02	2.02E—03	1.92E+01
340	4.33E—01	8.07E+01	9.29E—01	1.05E—02	2.30E—03	1.79E+01
350	4.82E—01	8.20E+01	8.38E—01	8.88E—03	2.62E—03	1.66E+01
360	5.35E—01	8.33E+01	7.56E—01	7.55E—03	2.97E—03	1.54E+01
370	5.93E—01	8.44E+01	6.81E—01	6.41E—03	3.37E—03	1.43E+01
380	6.56E—01	8.54E+01	6.13E—01	5.44E—03	3.81E—03	1.33E+01
390	7.24E—01	8.64E+01	5.51E—01	4.61E—03	4.30E—03	1.23E+01
400	8.00E—01	8.73E+01	4.95E—01	3.91E—03	4.85E—03	1.14E+01
410	8.81E—01	8.81E+01	4.45E—01	3.31E—03	5.46E—03	1.05E+01
420	9.70E—01	8.89E+01	4.00E—01	2.81E—03	6.14E—03	9.74E+00
430	1.07E+00	8.96E+01	3.59E—01	2.38E—03	6.90E—03	9.00E+00
440	1.17E+00	9.02E+01	3.22E—01	2.02E—03	7.74E—03	8.31E+00
450	1.28E+00	9.07E+01	2.89E—01	1.71E—03	8.67E—03	7.67E+00
460	1.41E+00	9.12E+01	2.59E—01	1.45E—03	9.71E—03	7.08E+00
470	1.54E+00	9.17E+01	2.32E—01	1.23E—03	1.09E—02	6.53E+00
480	1.68E+00	9.21E+01	2.08E—01	1.04E—03	1.21E—02	6.02E+00
490	1.84E+00	9.24E+01	1.87E—01	8.79E—04	1.35E—02	5.55E+00
500	2.01E+00	9.27E+01	1.67E—01	7.45E—04	1.51E—02	5.12E+00
510	2.19E+00	9.29E+01	1.50E—01	6.31E—04	1.68E—02	4.72E+00
520	2.39E+00	9.31E+01	1.34E—01	5.34E—04	1.87E—02	4.34E+00
530	2.60E+00	9.33E+01	1.20E—01	4.52E—04	2.08E—02	4.00E+00
540	2.83E+00	9.34E+01	1.08E—01	3.83E—04	2.32E—02	3.68E+00
550	3.08E+00	9.34E+01	9.63E—02	3.24E—04	2.57E—02	3.39E+00
560	3.35E+00	9.34E+01	8.62E—02	2.75E—04	2.85E—02	3.12E+00
570	3.63E+00	9.34E+01	7.72E—02	2.33E—04	3.16E—02	2.87E+00
580	3.94E+00	9.33E+01	6.91E—02	1.97E—04	3.51E—02	2.64E+00
590	4.28E+00	9.32E+01	6.18E—02	1.67E—04	3.88E—02	2.43E+00
600	4.64E+00	9.30E+01	5.53E—02	1.41E—04	4.29E—02	2.23E+00

Продолжение табл. 24

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	5.02E+00	9.28E+01	4.95E—02	1.20E—04	4.75E—02	2.05E+00
620	5.43E+00	9.26E+01	4.42E—02	1.01E—04	5.24E—02	1.89E+00
630	5.88E+00	9.23E+01	3.96E—02	8.59E—05	5.79E—02	1.73E+00
640	6.35E+00	9.20E+01	3.54E—02	7.27E—05	6.38E—02	1.59E+00
650	6.86E+00	9.16E+01	3.16E—02	6.16E—05	7.03E—02	1.46E+00
660	7.40E+00	9.12E+01	2.83E—02	5.22E—05	7.74E—02	1.34E+00
670	7.98E+00	9.07E+01	2.53E—02	4.42E—05	8.52E—02	1.23E+00
680	8.60E+00	9.02E+01	2.26E—02	3.74E—05	9.36E—02	1.13E+00
690	9.25E+00	8.96E+01	2.01E—02	3.17E—05	1.03E—01	1.04E+00
700	9.95E+00	8.90E+01	1.80E—02	2.68E—05	1.13E—01	9.51E—01
710	1.07E+01	8.83E+01	1.61E—02	2.27E—05	1.24E—01	8.72E—01
720	1.15E+01	8.76E+01	1.43E—02	1.92E—05	1.35E—01	7.99E—01
730	1.23E+01	8.68E+01	1.28E—02	1.62E—05	1.48E—01	7.31E—01
740	1.32E+01	8.60E+01	1.14E—02	1.37E—05	1.62E—01	6.69E—01
750	1.41E+01	8.51E+01	1.01E—02	1.16E—05	1.77E—01	6.12E—01
760	1.51E+01	8.41E+01	9.03E—03	9.81E—06	1.93E—01	5.60E—01
770	1.62E+01	8.31E+01	8.04E—03	8.29E—06	2.10E—01	5.11E—01
780	1.72E+01	8.20E+01	7.15E—03	7.00E—06	2.29E—01	4.67E—01
790	1.84E+01	8.09E+01	6.36E—03	5.91E—06	2.49E—01	4.26E—01
800	1.96E+01	7.98E+01	5.65E—03	4.99E—06	2.70E—01	3.89E—01

D—266; LAT— —80; LON—45; LT— 12; *F*—200; *FAV*—200; A_p—100; UTI—9

80	5.48E—04	1.02E—03	2.09E+01	9.73E—01	1.38E—05	7.81E+01
90	6.00E—04	2.51E—01	2.07E+01	9.78E—01	8.25E—05	7.81E+01
100	9.43E—04	2.76E+00	1.94E+01	8.85E—01	1.26E—04	7.70E+01
110	2.21E—03	7.56E+00	1.70E+01	7.01E—01	2.40E—04	7.48E+01
120	3.96E—03	1.18E+01	1.49E+01	5.73E—01	3.07E—04	7.27E+01
130	4.35E—03	1.49E+01	1.35E+01	4.97E—01	3.05E—04	7.11E+01
140	4.91E—03	1.72E+01	1.25E+01	4.44E—01	2.73E—04	6.99E+01
150	6.56E—03	1.91E+01	1.17E+01	3.99E—01	2.44E—04	6.88E+01
160	8.77E—03	2.09E+01	1.10E+01	3.59E—01	2.28E—04	6.77E+01
170	1.14E—02	2.25E+01	1.04E+01	3.21E—01	2.27E—04	6.67E+01
180	1.45E—02	2.42E+01	9.88E+00	2.86E—01	2.39E—04	6.56E+01
190	1.80E—02	2.58E+01	9.38E+00	2.55E—01	2.63E—04	6.45E+01
200	2.20E—02	2.75E+01	8.90E+00	2.28E—01	2.98E—04	6.33E+01
210	2.66E—02	2.92E+01	8.46E+00	2.03E—01	3.46E—04	6.21E+01
220	3.19E—02	3.09E+01	8.03E+00	1.81E—01	4.05E—04	6.08E+01
230	3.79E—02	3.27E+01	7.61E+00	1.62E—01	4.78E—04	5.95E+01
240	4.47E—02	3.45E+01	7.21E+00	1.45E—01	5.65E—04	5.81E+01
250	5.23E—02	3.64E+01	6.83E+00	1.29E—01	6.67E—04	5.66E+01
260	6.09E—02	3.83E+01	6.45E+00	1.15E—01	7.87E—04	5.51E+01
270	7.05E—02	4.02E+01	6.09E+00	1.03E—01	9.26E—04	5.35E+01
280	8.13E—02	4.22E+01	5.75E+00	9.18E—02	1.09E—03	5.19E+01
290	9.33E—02	4.41E+01	5.41E+00	8.17E—02	1.27E—03	5.03E+01
300	1.07E—01	4.61E+01	5.09E+00	7.28E—02	1.48E—03	4.86E+01

Продолжение табл. 24

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.23E—01	4.77E+01	4.82E+00	6.53E—02	1.74E—03	4.73E+01
320	1.39E—01	4.98E+01	4.51E+00	5.79E—02	2.01E—03	4.55E+01
330	1.57E—01	5.18E+01	4.22E+00	5.13E—02	2.31E—03	4.37E+01
340	1.77E—01	5.39E+01	3.95E+00	4.55E—02	2.66E—03	4.20E+01
350	1.99E—01	5.59E+01	3.68E+00	4.02E—02	3.05E—03	4.02E+01
360	2.24E—01	5.79E+01	3.43E+00	3.56E—02	3.49E—03	3.85E+01
370	2.50E—01	5.98E+01	3.19E+00	3.14E—02	3.98E—03	3.67E+01
380	2.79E—01	6.17E+01	2.97E+00	2.77E—02	4.53E—04	3.50E+01
390	3.11E—01	6.35E+01	2.75E+00	2.44E—02	5.15E—03	3.34E+01
400	3.46E—01	6.53E+01	2.55E+00	2.15E—02	5.84E—03	3.18E+01
410	3.84E—01	6.70E+01	2.36E+00	1.89E—02	6.60E—03	3.02E+01
420	4.25E—01	6.87E+01	2.19E+00	1.66E—02	7.45E—03	2.87E+01
430	4.70E—01	7.03E+01	2.02E+00	1.46E—02	8.40E—03	2.72E+01
440	5.18E—01	7.19E+01	1.87E+00	1.28E—02	9.44E—03	2.57E+01
450	5.71E—01	7.34E+01	1.72E+00	1.12E—02	1.06E—02	2.43E+01
460	6.28E—01	7.48E+01	1.59E+00	9.83E—03	1.19E—02	2.30E+01
470	6.90E—01	7.61E+01	1.46E+01	8.61E—03	1.33E—02	2.17E+01
480	7.56E—01	7.74E+01	1.34E+00	7.53E—03	1.49E—02	2.05E+01
490	8.28E—01	7.86E+01	1.23E+00	6.58E—03	1.66E—02	1.93E+01
500	9.06E—01	7.98E+01	1.13E+00	5.75E—03	1.85E—02	1.82E+01
510	9.89E—01	8.09E+01	1.04E+00	5.02E—03	2.06E—02	1.71E+01
520	1.08E+00	8.19E+01	9.54E—01	4.38E—03	2.28E—02	1.61E+01
530	1.18E+00	8.28E+01	8.74E—01	3.82E—03	2.53E—02	1.51E+01
540	1.28E+00	8.37E+01	8.01E—01	3.33E—03	2.81E—02	1.42E+01
550	1.39E+00	8.46E+01	7.33E—01	2.91E—03	3.11E—02	1.33E+01
560	1.51E+00	8.53E+01	6.71E—01	2.53E—03	3.44E—02	1.25E+01
570	1.64E+00	8.60E+01	6.13E—01	2.21E—03	3.80E—02	1.17E+01
580	1.78E+00	8.67E+01	5.61E—01	1.92E—03	4.20E—02	1.09E+01
590	1.92E+00	8.73E+01	5.12E—01	1.67E—03	4.63E—02	1.02E+01
600	2.08E+00	8.78E+01	4.68E—01	1.46E—03	5.10E—02	9.59E+00
610	2.25E+00	8.83E+01	4.27E—01	1.27E—03	5.61E—02	8.97E+00
620	2.43E+00	8.87E+01	3.90E—01	1.10E—03	6.17E—02	8.38E+00
630	2.62E+00	8.91E+01	3.56E—01	9.58E—04	6.78E—02	7.84E+00
640	2.83E+00	8.95E+01	3.25E—01	8.33E—04	7.44E—02	7.32E+00
650	3.05E+00	8.97E+01	2.96E—01	7.25E—04	8.17E—02	6.84E+00
660	3.28E+00	9.00E+01	2.70E—01	6.30E—04	8.95E—02	6.39E+00
670	3.53E+00	9.02E+01	2.46E—01	5.48E—04	9.80E—02	5.96E+00
680	3.79E+00	9.03E+01	2.24E—01	4.76E—04	1.07E—01	5.56E+00
690	4.08E+00	9.04E+01	2.04E—01	4.14E—04	1.17E—01	5.19E+00
700	4.38E+00	9.05E+01	1.86E—01	3.60E—04	1.28E—01	4.84E+00
710	4.69E+00	9.05E+01	1.70E—01	3.13E—04	1.40E—01	4.51E+00
720	5.03E+00	9.05E+01	1.54E—01	2.72E—04	1.53E—01	4.20E+00
730	5.39E+00	9.04E+01	1.41E—01	2.36E—04	1.67E—01	3.92E+00
740	5.78E+00	9.03E+01	1.28E—01	2.05E—04	1.81E—01	3.65E+00
750	6.18E+00	9.01E+01	1.16E—01	1.78E—04	1.98E—01	3.40E+00
760	6.61E+00	8.99E+01	1.06E—01	1.55E—04	2.15E—01	3.16E+00
770	7.06E+00	8.97E+01	9.63E—02	1.34E—04	2.34E—01	2.94E+00
780	7.54E+00	8.94E+01	8.76E—02	1.17E—04	2.54E—01	2.74E+00
790	8.05E+00	8.90E+01	7.96E—02	1.01E—04	2.76E—01	2.55E+00
800	8.58E+00	8.87E+01	7.24E—02	8.81E—05	2.99E—01	2.37E+00

Таблица 25

Суточные вариации состава при средней солнечной активности на средних широтах северного полушария (низкая магнитная активность)

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D–172; LAT 40; LON—45; LT—6; *F*—150; *FΔV*—150; A_p 3, UT1—3						
80	5.42E—04	1.15E—03	2.08E+01	9.03E—01	1.57E—05	7.83E+01
90	6.02E—04	2.90E—01	2.02E+01	8.67E—01	1.04E—01	7.86E+01
100	9.58E—04	3.23E+00	1.79E+01	7.38E—01	1.77E—04	7.81E+01
110	2.57E—03	9.68E+00	1.32E+01	5.00E—01	4.43E—04	7.66E+01
120	6.03E—03	1.68E+01	8.92E+00	3.27E—01	8.14E—04	7.39E+01
130	8.54E—03	2.25E+01	6.62E+00	2.27E—01	1.01E—03	7.07E+01
140	1.15E—02	2.71E+01	5.48E+00	1.65E—01	1.10E—03	6.72E+01
150	1.66E—02	3.13E+01	4.78E+00	1.24E—01	1.16E—03	6.38E+01
160	2.35E—02	3.52E+01	4.24E+00	9.60E—02	1.25E—03	6.04E+01
170	3.21E—02	3.90E+01	3.78E+00	7.54E—02	1.39E—03	5.71E+01
180	4.26E—02	4.27E+01	3.37E+00	6.00E—02	1.62E—03	5.38E+01
190	5.53E—02	4.64E+01	3.01E+00	4.80E—02	1.93E—03	5.05E+01
200	7.06E—02	5.00E+01	2.68E+00	3.86E—02	2.36E—03	4.73E+01
210	8.88E—02	5.34E+01	2.38E+00	3.11E—02	2.91E—03	4.41E+01
220	1.10E—01	5.68E+01	2.11E+00	2.50E—02	3.61E—03	4.09E+01
230	1.36E—01	6.01E+01	1.86E+00	2.01E—02	4.49E—03	3.79E+01
240	1.66E—01	6.33E+01	1.64E+00	1.61E—02	5.58E—03	3.49E+01
250	2.00E—01	6.63E+01	1.44E+00	1.29E—02	6.90E—03	3.20E+01
260	2.40E—01	6.92E+01	1.26E+00	1.04E—02	8.51E—03	2.93E+01
270	2.87E—01	7.18E+01	1.10E+00	8.27E—03	1.05E—02	2.67E+01
280	3.40E—01	7.44E+01	9.55E—01	6.58E—03	1.28E—02	2.43E+01
290	4.02E—01	7.67E+01	8.29E—01	5.23E—03	1.56E—02	2.20E+01
300	4.72E—01	7.89E+01	7.17E—01	4.15E—03	1.89E—02	1.99E+01
310	5.55E—01	8.07E+01	6.23E—01	3.31E—03	2.29E—02	1.81E+01
320	6.47E—01	8.25E+01	5.36E—01	2.61E—03	2.76E—02	1.62E+01
330	7.51E—01	8.42E+01	4.61E—01	2.06E—03	3.30E—02	1.46E+01
340	8.68E—01	8.57E+01	3.95E—01	1.62E—03	3.94E—02	1.30E+01
350	1.00E+00	8.70E+01	3.39E—01	1.28E—03	4.69E—02	1.17E+01
360	1.15E+00	8.81E+01	2.90E—01	1.00E—03	5.57E—02	1.04E+01
370	1.32E+00	8.91E+01	2.47E—01	7.87E—04	6.61E—02	9.26E+00
380	1.52E+00	8.99E+01	2.11E—01	6.18E—04	7.81E—02	8.24E+00
390	1.73E+00	9.07E+01	1.80E—01	4.84E—04	9.21E—02	7.33E+00
400	1.98E+00	9.13E+01	1.53E—01	3.79E—04	1.08E—01	6.51E+00
410	2.25E+00	9.17E+01	1.30E—01	2.97E—04	1.27E—01	5.77E+00
420	2.56E+00	9.21E+01	1.11E—01	2.32E—04	1.49E—01	5.12E+00
430	2.91E+00	9.23E+01	9.42E—02	1.82E—04	1.75E—01	4.53E+00
440	3.29E+00	9.24E+01	8.00E—02	1.42E—04	2.05E—01	4.01E+00
450	3.73E+00	9.24E+01	6.79E—02	1.11E—04	2.39E—01	3.54E+00
460	4.21E+00	9.23E+01	5.75E—02	8.68E—05	2.78E—01	3.13E+00
470	4.75E+00	9.21E+01	4.88E—02	6.78E—05	3.23E—01	2.76E+00
480	5.35E+00	9.18E+01	4.13E—02	5.29E—05	3.75E—01	2.44E+00
490	6.01E+00	9.14E+01	3.49E—02	4.13E—05	4.35E—01	2.15E+00
500	6.75E+00	9.08E+01	2.95E—02	3.22E—05	5.03E—01	1.89E+00

Продолжение табл. 25

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	7,56E+00	9.02E+01	2.49E—02	2.51E—05	5.81E—01	1.66E+00
520	8.46E+00	8.94E+01	2.11E—02	1.95E—05	6.70E—01	1.46E+00
530	9.44E+00	8.85E+01	1.77E—02	1.52E—05	7.71E—01	1.28E+00
540	1.05E+01	8.75E+01	1.49E—02	1.18E—05	8.86E—01	1.12E+00
550	1.17E+01	8.63E+01	1.26E—02	9.17E—06	1.02E+00	9.84E—01
560	1.30E+01	8.50E+01	1.06E—02	7.11E—06	1.16E+00	8.60E—01
570	1.44E+01	8.35E+01	8.86E—03	5.51E—06	1.32E+00	7.50E—01
580	1.59E+01	8.19E+01	7.42E—03	4.26E—06	1.51E+00	6.54E—01
590	1.75E+01	8.02E+01	6.20E—03	3.29E—06	1.71E+00	5.68E—01
600	1.92E+01	7.83E+01	5.17E—03	2.54E—06	1.93E+00	4.93E—01
610	2.11E+01	7.63E+01	4.31E—03	1.96E—06	2.18E+00	4.27E—01
620	2.30E+01	7.41E+01	3.58E—03	1.50E—06	2.46E+00	3.69E—01
630	2.51E+01	7.18E+01	2.97E—03	1.15E—06	2.76E+00	3.18E—01
640	2.72E+01	6.94E+01	2.45E—03	8.82E—07	3.08E+00	2.74E—01
650	2.95E+01	6.69E+01	2.02E—03	6.73E—07	3.43E+00	2.35E—01
660	3.18E+01	6.42E+01	1.67E—03	5.13E—07	3.81E+00	2.01E—01
670	3.41E+01	6.15E+01	1.37E—03	3.89E—07	4.21E+00	1.71E—01
680	3.66E+01	5.87E+01	1.12E—03	2.95E—07	4.64E+00	1.45E—01
690	3.90E+01	5.58E+01	9.12E—04	2.23E—07	5.10E+00	1.23E—01
700	4.15E+01	5.29E+01	7.42E—04	1.68E—07	5.58E+00	1.04E—01
710	4.39E+01	4.99E+01	6.02E—04	1.26E—07	6.08E+00	8.78E—02
720	4.63E+01	4.70E+01	4.87E—04	9.46E—08	6.60E+00	7.37E—02
730	4.87E+01	4.41E+01	3.92E—04	7.07E—08	7.14E+00	6.18E—02
740	5.10E+01	4.12E+01	3.15E—04	5.27E—08	7.69E+00	5.16E—02
750	5.32E+01	3.85E+01	2.53E—04	3.92E—08	8.26E+00	4.29E—02
760	5.54E+01	3.57E+01	2.02E—04	2.91E—08	8.83E+00	3.56E—02
770	5.74E+01	3.31E+01	1.61E—04	2.15E—08	9.42E+00	2.95E—02
780	5.94E+01	3.06E+01	1.28E—04	1.59E—08	1.00E+01	2.44E—02
790	6.12E+01	2.82E+01	1.02E—04	1.17E—08	1.06E+01	2.01E—02
800	6.29E+01	2.59E+01	8.07E—05	8.61E—09	1.12E+01	1.65E—02

D—172; LAT—40, LON—45; LT—12; *F*—150; $F\Delta V$—150; A_p—3; UT1—9

80	5.41E—04	1.16E—03	2.07E+01	8.97E—01	1.49E—05	7.84E+01
90	6.06E—04	2.94E—01	2.01E+01	8.56E—01	9.72E—05	7.88E+01
100	9.62E—04	3.30E+00	1.75E+01	7.24E—01	1.58E—04	7.85E+01
110	2.43E—03	9.85E+00	1.23E+01	4.93E—01	3.57E—04	7.74E+01
120	5.75E—03	1.76E+01	7.61E+00	3.08E—01	6.72E—04	7.44E+01
130	7.55E—03	2.36E+01	5.36E+00	2.10E—01	8.37E—04	7.08E+01
140	9.34E—03	2.81E+01	4.37E+00	1.53E—01	8.64E—04	6.73E+01
150	1.30E—02	3.20E+01	3.82E+00	1.16E—01	8.60E—04	6.41E+01
160	1.78E—02	3.55E+01	3.42E+00	9.14E—02	8.75E—04	6.10E+01
170	2.36E—02	3.89E+01	3.09E+00	7.34E—02	9.30E—04	5.79E+01
180	3.04E—02	4.21E+01	2.79E+00	5.98E—02	1.03E—03	5.50E+01
190	3.84E—02	4.53E+01	2.53E+00	4.92E—02	1.18E—03	5.21E+01
200	4.77E—02	4.84E+01	2.29E+00	4.06E—02	1.39E—03	4.92E+01

Продолжение табл. 25

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	5.85E—02	5.14E+01	2.07E+00	3.37E—02	1.66E—03	4.64E+01
220	7.11E—02	5.44E+01	1.86E+00	2.79E—02	2.00E—03	4.36E+01
230	8.55E—02	5.73E+01	1.68E+00	2.31E—02	2.42E—03	4.09E+01
240	1.02E—01	6.02E+01	1.51E+00	1.92E—02	2.92E—03	3.82E+01
250	1.21E—01	6.29E+01	1.35E+00	1.59E—02	3.53E—03	3.56E+01
260	1.43E—01	6.55E+01	1.21E+00	1.31E—02	4.26E—03	3.31E+01
270	1.68E—01	6.81E+01	1.07E+00	1.08E—02	5.12E—03	3.07E+01
280	1.96E—01	7.05E+01	9.56E—01	8.90E—03	6.13E—03	2.84E+01
290	2.27E—01	7.28E+01	8.48E—01	7.31E—03	7.32E—03	2.61E+01
300	2.63E—01	7.49E+01	7.51E—01	6.00E—03	8.70E—03	2.40E+01
310	3.05E—01	7.68E+01	6.67E—01	4.94E—03	1.04E—02	2.22E+01
320	3.50E—01	7.87E+01	5.88E—01	4.04E—03	1.22E—02	2.03E+01
330	4.01E—01	8.05E+01	5.17E—01	3.30E—03	1.44E—02	1.85E+01
340	4.58E—01	8.22E+01	4.54E—01	2.69E—03	1.69E—02	1.69E+01
350	5.22E—01	8.37E+01	3.99E—01	2.19E—03	1.98E—02	1.54E+01
360	5.93E—01	8.50E+01	3.49E—01	1.78E—03	2.32E—02	1.40E+01
370	6.73E—01	8.63E+01	3.06E—01	1.45E—03	2.70E—02	1.27E+01
380	7.61E—01	8.74E+01	2.67E—01	1.17E—03	3.14E—02	1.15E+01
390	8.60E—01	8.84E+01	2.33E—01	9.52E—04	3.65E—02	1.04E+01
400	9.70E—01	8.93E+01	2.03E—01	7.72E—04	4.23E—02	9.46E+00
410	1.09E+00	9.01E+01	1.77E—01	6.26E—04	4.90E—02	8.55E+00
420	1.23E+00	9.08E+01	1.55E—01	5.07E—04	5.66E—02	7.73E+00
430	1.38E+00	9.14E+01	1.35E—01	4.10E—04	6.53E—02	6.98E+00
440	1.54E+00	9.20E+01	1.17E—01	3.32E—04	7.52E—02	6.29E+00
450	1.73E+00	9.24E+01	1.02E—01	2.69E—04	8.65E—02	5.68E+00
460	1.93E+00	9.28E+01	8.85E—02	2.17E—04	9.93E—02	5.11E+00
470	2.16E+00	9.30E+01	7.69E—02	1.76E—04	1.14E—01	4.61E+00
480	2.41E+00	9.32E+01	6.68E—02	1.42E—04	1.31E—01	4.15E+00
490	2.69E+00	9.34E+01	5.80E—02	1.15E—04	1.50E—01	3.73E+00
500	2.99E+00	9.34E+01	5.04E—02	9.30E—05	1.71E—01	3.36E+00
510	3.33E+00	9.34E+01	4.37E—02	7.52E—05	1.95E—01	3.02E+00
520	3.69E+00	9.33E+01	3.79E—02	6.07E—05	2.23E—01	2.71E+00
530	4.10E+00	9.32E+01	3.29E—02	4.91E—05	2.54E—01	2.44E+00
540	4.54E+00	9.30E+01	2.85E—02	3.97E—05	2.89E—01	2.19E+00
550	5.03E+00	9.27E+01	2.47E—02	3.20E—05	3.28E—01	1.96E+00
560	5.56E+00	9.23E+01	2.14E—02	2.59E—05	3.73E—01	1.76E+00
570	6.15E+00	9.18E+01	1.85E—02	2.09E—05	4.23E—01	1.58E+00
580	6.78E+00	9.13E+01	1.60E—02	1.69E—05	4.79E—01	1.41E+00
590	7.48E+00	9.07E+01	1.39E—02	1.36E—05	5.41E—01	1.27E+00
600	8.23E+00	9.00E+01	1.20E—02	1.10E—05	6.12E—01	1.13E+00
610	9.05E+00	8.92E+01	1.03E—02	8.85E—06	6.90E—01	1.01E+00
620	9.93E+00	8.84E+01	8.93E—03	7.14E—06	7.77E—01	9.04E—01
630	1.09E+01	8.74E+01	7.70E—03	5.75E—06	8.74E—01	8.07E—01
640	1.19E+01	8.64E+01	6.64E—03	4.63E—06	9.81E—01	7.20E—01
650	1.30E+01	8.52E+01	5.72E—03	3.72E—06	1.10E+00	6.41E—01
660	1.42E+01	8.40E+01	4.92E—03	2.99E—06	1.23E+00	5.71E—01
670	1.55E+01	8.26E+01	4.23E—03	2.40E—06	1.38E+00	5.08E—01
680	1.68E+01	8.12E+01	3.63E—03	1.93E—06	1.53E+00	4.51E—01
690	1.83E+01	7.96E+01	3.11E—03	1.55E—06	1.71E+00	4.00E—01
700	1.98E+01	7.80E+01	2.66E—03	1.24E—06	1.90E+00	3.54E—01

Продолжение табл. 25

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	2.14E+01	7.62E+01	2.28E—03	9.90E—07	2.10E+00	3.13E—01
720	2.30E+01	7.44E+01	1.94E—03	7.91E—07	2.32E+00	2.76E—01
730	2.48E+01	7.24E+01	1.66E—03	6.30E—07	2.56E+00	2.43E—01
740	2.66E+01	7.04E+01	1.41E—03	5.02E—07	2.82E+00	2.14E—01
750	2.85E+01	6.82E+01	1.20E—03	3.99E—07	3.09E+00	1.88E—01
760	3.04E+01	6.60E+01	1.02E—03	3.17E—07	3.39E+00	1.65E—01
770	3.24E+01	6.37E+01	8.60E—04	2.51E—07	3.70E+00	1.44E—01
780	3.45E+01	6.14E+01	7.26E—04	1.99E—07	4.03E+00	1.26E—01
790	3.65E+01	5.90E+01	6.12E—04	1.57E—07	4.38E+00	1.10E—01
800	3.86E+01	5.65E+01	5.15E—04	1.24E—07	4.74E+00	9.52E—02
	D—172; LAT—40; LON—45; LT—18; *F*—150; *FAV*—150; A_p—3; UT1—15					
80	5.42E—04	1.18E—03	2.08E+01	9.12E—01	1.49E—05	7.83E+01
90	6.02E—04	2.99E—01	2.02E+01	8.82E—01	9.56E—05	7.86E+01
100	9.58E—04	3.34E+00	1.78E+01	7.58E—01	1.58E—04	7.81E+01
110	2.54E—03	1.00E+01	1.28E+01	5.21E—01	3.82E—04	7.66E+01
120	5.56E—03	1.74E+01	8.44E+00	3.45E—01	6.69E—04	7.38E+01
130	6.39E—03	2.33E+01	6.15E+00	2.44E—01	7.95E—04	7.03E+01
140	7.48E—03	2.60E+01	5.05E+00	1.80E—01	8.24E—04	6.67E+01
150	1.05E—02	3.22E+01	4.40E+00	1.37E—01	8.33E—04	6.32E+01
160	1.46E—02	3.61E+01	3.91E+00	1.08E—01	8.63E—04	5.99E+01
170	1.97E—02	3.98E+01	3.50E+00	8.58E—02	9.33E—04	5.66E+01
180	2.57E—02	4.33E+01	3.14E+00	6.93E—02	1.05E—03	5.34E+01
190	3.29E—02	4.67E+01	2.82E+00	5.64E—02	1.22E—03	5.03E+01
200	4.13E—02	5.00E+01	2.53E+00	4.62E—02	1.45E—03	4.73E+01
210	5.09E—02	5.32E+01	2.28E+00	3.80E—02	1.74E—03	4.44E+01
220	6.21E—02	5.63E+01	2.04E+00	3.13E—02	2.10E—03	4.16E+01
230	7.50E—02	5.93E+01	1.83E+00	2.58E—02	2.55E—03	3.88E+01
240	8.97E—02	6.21E+01	1.64E+00	2.13E—02	3.09E—03	3.62E+01
250	1.06E—01	6.48E+01	1.46E+00	1.76E—02	3.73E—03	3.36E+01
260	1.25E—01	6.74E+01	1.30E+00	1.45E—02	4.49E—03	3.12E+01
270	1.47E—01	6.98E+01	1.16E+00	1.20E—02	5.38E—03	2.88E+01
280	1.71E—01	7.21E+01	1.03E+00	9.86E—03	6.43E—03	2.66E+01
290	1.98E—01	7.43E+01	9.17E—01	8.12E—03	7.64E—03	2.46E+01
300	2.28E—01	7.64E+01	8.13E—01	6.69E—03	9.05E—03	2.26E+01
310	2.63E—01	7.82E+01	7.23E—01	5.52E—03	1.07E—02	2.08E+01
320	3.00E—01	7.99E+01	6.39E—01	4.53E—03	1.26E—02	1.91E+01
330	3.42E—01	8.16E+01	5.64E—01	3.72E—03	1.47E—02	1.75E+01
340	3.89E—01	8.31E+01	4.97E—01	3.05E—03	1.72E—02	1.60E+01
350	4.41E—01	8.45E+01	4.38E—01	2.50E—03	2.00E—02	1.46E+01
360	4.99E—01	8.58E+01	3.85E—01	2.05E—03	2.33E—02	1.33E+01
370	5.63E—01	8.69E+01	3.39E—01	1.68E—03	2.69E—02	1.21E+01
380	6.34E—01	8.80E+01	2.98E—01	1.37E—03	3.12E—02	1.10E+01
390	7.12E—01	8.90E+01	2.61E—01	1.13E—03	3.60E—02	1.00E+01
400	7.99E—01	8.98E+01	2.29E—01	9.21E—04	4.14E—02	9.12E+00

Продолжение табл. 25

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	8.96E—01	9.06E+01	2.01E—01	7.53E—04	4.76E—02	8.28E+00
420	1.00E+00	9.12E+01	1.76E—01	6.16E—04	5.47E—02	7.52E+00
430	1.12E+00	9.18E+01	1.55E—01	5.03E—04	6.27E—02	6.82E+00
440	1.25E+00	9.24E+01	1.35E—01	4.12E—04	7.18E—02	6.19E+00
450	1.39E+00	9.28E+01	1.19E—01	3.36E—04	8.21E—02	5.61E+00
460	1.55E+00	9.32E+01	1.04E—01	2.75E—04	9.37E—02	5.08E+00
470	1.72E+00	9.35E+01	9.08E—02	2.25E—04	1.07E—01	4.60E+00
480	1.91E+00	9.37E+01	7.94E—02	1.84E—04	1.22E—01	4.16E+00
490	2.12E+00	9.39E+01	6.95E—02	1.50E—04	1.39E—01	3.77E+00
500	2.35E+00	9.40E+01	6.08E—02	1.23E—04	1.58E—01	3.41E+00
510	2.60E+00	9.41E+01	5.31E—02	1.00E—04	1.79E—01	3.08E+00
520	2.88E+00	9.41E+01	4.64E—02	8.20E—05	2.03E—01	2.79E+00
530	3.18E+00	9.40E+01	4.06E—02	6.70E—05	2.30E—01	2.52E+00
540	3.51E+00	9.39E+01	3.55E—02	5.48E—05	2.61E—01	2.28E+00
550	3.88E+00	9.37E+01	3.10E—02	4.48E—05	2.95E—01	2.06E+00
560	4.27E+00	9.35E+01	2.71E—02	3.66E—05	3.33E—01	1.86E+00
570	4.70E+00	9.32E+01	2.36E—02	2.99E—05	3.76E—01	1.67E+00
580	5.17E+00	9.29E+01	2.06E—02	2.44E—05	4.24E—01	1.51E+00
590	5.69E+00	9.25E+01	1.80E—02	2.00E—05	4.77E—01	1.36E+00
600	6.24E+00	9.20E+01	1.57E—02	1.63E—05	5.37E—01	1.23E+00
610	6.84E+00	9.14E+01	1.37E—02	1.33E—05	6.04E—01	1.11E+00
620	7.50E+00	9.08E+01	1.19E—02	1.09E—05	6.78E—01	9.97E—01
630	8.20E+00	9.01E+01	1.04E—02	8.88E—06	7.60E—01	8.98E—01
640	8.97E+00	8.94E+01	9.06E—03	7.25E—06	8.51E—01	8.07E—01
650	9.79E+00	8.85E+01	7.89E—03	5.91E—06	9.52E—01	7.26E—01
660	1.07E+01	8.76E+01	6.86E—03	4.82E—06	1.06E+00	6.52E—01
670	1.16E+01	8.66E+01	5.96E—03	3.93E—06	1.19E+00	5.85E—01
680	1.26E+01	8.55E+01	5.18E—03	3.20E—06	1.32E+00	5.25E—01
690	1.37E+01	8.43E+01	4.49E—03	2.61E—06	1.47E+00	4.70E—01
700	1.49E+01	8.31E+01	3.90E—03	2.12E—06	1.63E+00	4.21E—01
710	1.61E+01	8.17E+01	3.38E—03	1.72E—06	1.81E+00	3.76E—01
720	1.74E+01	8.03E+01	2.92E—03	1.40E—06	2.00E+00	3.36E—01
730	1.87E+01	7.87E+01	2.52E—03	1.14E—06	2.21E+00	3.00E—01
740	2.02E+01	7.71E+01	2.18E—03	9.20E—07	2.43E+00	2.67E—01
750	2.17E+01	7.54E+01	1.88E—03	7.45E—07	2.68E+00	2.38E—01
760	2.32E+01	7.36E+01	1.62E—03	6.03E—07	2.94E+00	2.11E—01
770	2.49E+01	7.17E+01	1.39E—03	4.87E—07	3.22E+00	1.87E—01
780	2.66E+01	6.97E+01	1.19E—03	3.93E—07	3.52E+00	1.66E—01
790	2.83E+01	6.77E+01	1.02E—03	3.16E—07	3.84E+00	1.47E—01
800	3.01E+01	6.56E+01	8.76E—04	2.54E—07	4.18E+00	1.30E—01

D—172; LAT—40; LON—45; LT—24; *F*—150; $F\Delta V$—150; A_p—3; UT1—21

80	5.41E—04	1.12E—03	2.07E+01	8.97E—01	1.51E—05	7.84E+01
90	6.06E—04	2.81E—01	2.01E+01	8.57E—01	9.89E—05	7.88E+01
100	9.63E—04	3.14E+00	1.75E+01	7.26E—01	1.62E—04	7.86E+01

Продолжение табл. 25

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.44E—03	9.40E+00	1.24E+01	4.94E—01	3.74E—04	7.77E+01
120	5.80E—03	1.70E+01	7.63E+00	3.04E—01	7.41E—04	7.50E+01
130	6.99E—03	2.29E+01	5.37E+00	2.06E—01	9.52E—04	7.15E+01
140	8.16E—03	2.75E+01	4.37E+00	1.48E—01	1.01E—03	6.80E+01
150	1.14E—02	3.14E+01	3.80E+00	1.11E—01	1.03E—03	6.46E+01
160	1.58E—02	3.52E+01	3.37E+00	8.61E—02	1.08E—03	6.14E+01
170	2.14E—02	3.88E+01	3.02E+00	6.78E—02	1.18E—03	5.81E+01
180	2.83E—02	4.23E+01	2.70E+00	5.40E—02	1.35E—03	5.49E+01
190	3.67E—02	4.59E+01	2.41E+00	4.32E—02	1.60E—03	5.16E+01
200	4.69E—02	4.94E+01	2.15E+00	3.46E—02	1.94E—03	4.83E+01
210	5.91E—02	5.29E+01	1.91E+00	2.78E—02	2.40E—03	4.51E+01
220	7.39E—02	5.64E+01	1.68E+00	2.22E—02	2.99E—03	4.18E+01
230	9.15E—02	5.98E+01	1.48E+00	1.78E—02	3.75E—03	3.86E+01
240	1.12E—01	6.30E+01	1.30E+00	1.41E—02	4.69E—03	3.55E+01
250	1.37E—01	6.62E+01	1.13E+00	1.12E—02	5.87E—03	3.25E+01
260	1.66E—01	6.92E+01	9.85E—01	8.87E—03	7.32E—03	2.96E+01
270	2.00E—01	7.20E+01	8.53E—01	6.98E—03	9.09E—03	2.69E+01
280	2.40E—01	7.47E—01	7.36E—01	5.48E—03	1.13E—02	2.43E+01
290	2.86E—01	7.72E+01	5.42E—01	4.29E—03	1.39E—02	2.19E+01
300	3.40E—01	7.95F+01	6.32E—01	3.35E—03	1.70E—02	1.96E+01
310	4.05E—01	8.14E+01	4.66E—01	2.63E—03	2.10E—02	1.77E+01
320	4.77E—01	8.33E+01	3.97E—01	2.04E—03	2.55E—02	1.58E+01
330	5.59E—01	8.50E+01	3.37E—01	1.58E—03	3.10E—02	1.40E+01
340	6.53E—01	8.66E+01	2.85E—01	1.22E—03	3.75E—02	1.25E+01
350	7.61E—01	8.79E+01	2.41E—01	9.42E—04	4.52E—02	1.10E+01
360	8.84E—01	8.91E+01	2.04E—01	7.26E—04	5.43E—02	9.74E+00
370	1.03E+00	9.01E+01	1.72E—01	5.59E—04	6.52E—02	8.60E+00
380	1.19E+00	9.10E+01	1.45E—01	4.30E—04	7.80E—02	7.58E+00
390	1.37E+00	9.17E+01	1.22E—01	3.30E—04	9.32E—02	6.67E+00
400	1.58E+00	9.23E+01	1.02E—01	2.54E—04	1.11E—01	5.86E+00
410	1.82E+00	9.28E+01	8.59E—02	1.95E—04	1.32E—01	5.15E+00
420	2.08E+00	9.32E+01	7.21E—02	1.49E—04	1.57E—01	4.52E+00
430	2.39E+00	9.34E+01	6.04E—02	1.14E—04	1.86E—01	3.96E+00
440	2.73E+00	9.35E+01	5.06E—02	8.77E—05	2.20E—01	3.47E+00
450	3.12E+00	9.35E+01	4.24E—02	6.72E—05	2.60E—01	3.04E+00
460	3.56E+00	9.34E+01	3.55E—02	5.15E—05	3.07E—01	2.66E+00
470	4.06E+00	9.32E+01	2.97E—02	3.94E—05	3.61E—01	2.32E+00
480	4.62E+00	9.29E+01	2.48E—02	3.02E—05	4.24E—01	2.03E+00
490	5.24E+00	9.25E+01	2.07E—02	2.31E—05	4.98E—01	1.77E+00
500	5.94E+00	9.19E+01	1.73E—02	1.76E—05	5.83E—01	1.54E+00
510	6.73E+00	9.12E+01	1.44E—02	1.35E—05	6.82E—01	1.34E+00
520	7.60E+00	9.04E+01	1.20E—02	1.03E—05	7.96E—01	1.17E+00
530	8.56E+00	8.95E+01	9.97E—03	7.84E—06	9.27E—01	1.01E+00
540	9.63E+00	8.84E+01	8.29E—03	5.97E—06	1.08E+00	8.83E—01
550	1.08E+01	8.72E+01	6.88E—03	4.55E—06	1.25E+00	7.63E—01
560	1.21E+01	8.58E+01	5.70E—03	3.46E—06	1.44E+00	6.60E—01
570	1.35E+01	8.42E+01	4.71E—03	2.62E—06	1.67E+00	5.70E—01
580	1.51E+01	8.25E+01	3.89E—03	1.99E—06	1.92E+00	4.91E—01
590	1.67E+01	8.07E+01	3.21E—03	1.51E—06	2.20E+00	4.22E—01
600	1.85E+01	7.86E+01	2.64E—03	1.14E—06	2.51E+00	3.62E—01

Продолжение табл. 25

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	2.04E+01	7.64E+01	2.16E—03	8.56E—07	2.86E+00	3.10E—01
620	2.25E+01	7.40E+01	1.77E—03	6.44E—07	3.25E+00	2.64E—01
630	2.46E+01	7.15E+01	1.44E—03	4.83E—07	3.67E+00	2.25E—01
640	2.69E+01	6.88E+01	1.17E—03	3.61E—07	4.14E+00	1.91E—01
650	2.92E+01	6.60E+01	9.52E—04	2.69E—07	4.64E+00	1.61E—01
660	3.17E+01	6.30E+01	7.69E—04	2.00E—07	5.19E+00	1.36E—01
670	3.41E+01	6.00E+01	6.19E—04	1.48E—07	5.77E+00	1.14E—01
680	3.67E+01	5.68E+01	4.97E—04	1.10E—07	6.40E+00	9.56E—02
690	3.92E+01	5.37E+01	3.98E—04	8.06E—08	7.05E+00	7.97E—02
700	4.17E+01	5.05E+01	3.17E—04	5.92E—08	7.75E+00	6.62E—02
710	4.42E+01	4.73E+01	2.52E—04	4.33E—08	8.47E+00	5.48E—02
720	4.67E+01	4.41E+01	1.99E—04	3.15E—08	9.21E+00	4.52E—02
730	4.90E+01	4.10E+01	1.57E—04	2.29E—08	9.98E+00	3.71E—02
740	5.13E+01	3.79E+01	1.24E—04	1.66E—08	1.08E+01	3.04E—02
750	5.35E+01	3.50E+01	9.68E—05	1.20E—08	1.16E+01	2.48E—02
760	5.55E+01	3.21E+01	7.56E—05	8.63E—09	1.24E+01	2.02E—02
770	5.74E+01	2.94E+01	5.88E—05	6.20E—09	1.32E+01	1.64E—02
780	5.91E+01	2.68E+01	4.57E—05	4.44E—09	1.40E+01	1.32E—02
790	6.07E+01	2.44E+01	3.54E—05	3.17E—09	1.48E+01	1.07E—02
800	6.22E+01	2.22E+01	2.74E—05	2.26E—09	1.57E+01	8.58E—03

Таблица 26

Суточные вариации состава при средней солнечной активности на средних широтах южного полушария (низкая магнитная активность)

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—172; LAT—40; LON—45; LT—6; F—150; $F\Delta V$—150; A_p—3; UT1—3						
80	5.45E—04	1.31E—03	2.08E+01	8.73E—01	1.71E—05	7.83E+01
90	6.05E—04	3.37E—01	2.04E+01	8.19E—01	1.15E—04	7.84E+01
100	9.52E—04	3.78E+00	1.84E+01	6.69E—01	1.97E—04	7.71E+01
110	2.62E—03	1.14E+01	1.42E+01	4.22E—01	5.07E—04	7.40E+01
120	8.16E—03	1.98E+01	1.02E+01	2.54E—01	9.81E—04	6.97E+01
130	2.79E—02	2.66E+01	7.91E+00	1.63E—01	1.26E—03	6.53E+01
140	6.75E—02	3.24E+01	6.56E+00	1.10E—01	1.43E—03	6.08E+01
150	1.09E—01	3.77E+01	5.61E+00	7.70E—02	1.56E—03	5.65E+01
160	1.55E—01	4.27E+01	4.84E+00	5.58E—02	1.74E—03	5.22E+01
170	2.12E—01	4.76E+01	4.18E+00	4.14E—02	2.00E—03	4.80E+01
180	2.81E—01	5.22E+01	3.60E+00	3.11E—02	2.37E—03	4.39E+01
190	3.64E—01	5.66E+01	3.09E+00	2.35E—02	2.88E—03	3.99E+01
200	4.65E—01	6.08E+01	2.64E+00	1.79E—02	3.56E—03	3.60E+01

Продолжение табл. 26

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	6.85E—01	6.47E+01	2.25E+00	1.36E—02	4.45E—03	3.24E+01
220	7.28E—01	6.83E+01	1.91E+00	1.03E—02	5.57E—03	2.90E+01
230	8.96E—01	7.17E+01	1.61E+00	7.81E—03	6.99E—03	2.58E+01
240	1.09E+00	7.46E+01	1.35E+00	5.90E—03	8.75E—03	2.29E+01
250	1.33E+00	7.73E+01	1.13E+00	4.45E—03	1.09E—02	2.02E+01
260	1.60E+00	7.97E+01	9.46E—01	3.35E—03	1.36E—02	1.78E+01
270	1.92E+00	8.17E+01	7.87E—01	2.51E—03	1.69E—02	1.56E+01
280	2.28E+00	8.34E+01	6.53E—01	1.88E—03	2.09E—02	1.36E+01
290	2.71E+00	8.49E+01	5.41E—01	1.40E—03	2.57E—02	1.19E+01
300	3.20E+00	8.60E+01	4.46E—01	1.05E—03	3.15E—02	1.03E+01
310	3.75E+00	8.69E+01	3.66E—01	7.75E—04	3.83E—02	8.90E+00
320	4.40E+00	8.76E+01	3.01E—01	5.76E—04	4.66E—02	7.70E+00
330	5.14E+00	8.79E+01	2.47E—01	4.27E—04	5.66E—02	6.64E+00
340	5.99E+00	8.80E+01	2.02E—01	3.16E—04	6.84E—02	5.72E+00
350	6.95E+00	8.79E+01	1.65E—01	2.34E—04	8.25E—02	4.91E+00
360	8.04E+00	8.75E+01	1.35E—01	1.72E—04	9.91E—02	4.21E+00
370	9.27E+00	8.69E+01	1.10E—01	1.27E—04	1.19E—01	3.60E+00
380	1.07E+01	8.60E+01	8.89E—02	9.32E—05	1.42E—01	3.07E+00
390	1.22E+01	8.49E+01	7.20E—02	6.83E—05	1.68E—01	2.61E+00
400	1.39E+01	8.36E+01	5.81E—02	5.00E—05	1.99E—01	2.22E+00
410	1.58E+01	8.20E+01	4.68E—02	3.65E—05	2.35E—01	1.88E+00
420	1.79E+01	8.02E+01	3.76E—02	2.66E—05	2.76E—01	1.58E+00
430	2.02E+01	7.81E+01	3.01E—02	1.93E—05	3.23E—01	1.33E+00
440	2.27E+01	7.57E+01	2.40E—02	1.40E—05	3.77E—01	1.11E+00
450	2.54E+01	7.32E+01	1.91E—02	1.01E—05	4.37E—01	9.31E—01
460	2.83E+01	7.04E+01	1.51E—02	7.24E—06	5.04E—01	7.74E—01
470	3.13E+01	6.74E+01	1.20E—02	5.19E—06	5.79E—01	6.41E—01
480	3.45E+01	6.43E+01	9.39E—03	3.70E—06	6.61E—01	5.29E—01
490	3.78E+01	6.10E+01	7.35E—03	2.63E—06	7.51E—01	4.34E—01
500	4.12E+01	5.76E+01	5.73E—03	1.86E—06	8.49E—01	3.55E—01
510	4.47E+01	5.41E+01	4.44E—03	1.31E—06	9.54E—01	2.89E—01
520	4.82E+01	5.05E+01	3.43E—03	9.22E—07	1.07E+00	2.34E—01
530	5.17E+01	4.70E+01	2.64E—03	6.44E—07	1.18E+00	1.89E—01
540	5.51E+01	4.34E+01	2.02E—03	4.49E—07	1.31E+00	1.51E—01
550	5.85E+01	4.00E+01	1.54E—03	3.11E—07	1.44E+00	1.21E—01
560	6.17E+01	3.66E+01	1.17E—03	2.15E—07	1.57E+00	9.62E—02
570	6.48E+01	3.34E+01	8.82E—04	1.48E—07	1.71E+00	7.62E—02
580	6.77E+01	3.04E+01	6.64E—04	1.01E—07	1.85E+00	6.01E—02
590	7.05E+01	2.75E+01	4.98E—04	6.92E—08	2.00E+00	4.73E—02
600	7.31E+01	2.48E+01	3.73E—04	4.72E—08	2.14E+00	3.71E—02
610	7.54E+01	2.22E+01	2.78E—04	3.21E—08	2.29E+00	2.90E—02
620	7.76E+01	1.99E+01	2.07E—04	2.18E—08	2.44E+00	2.26E—02
630	7.96E+01	1.78E+01	1.54E—04	1.47E—08	2.59E+00	1.75E—02
640	8.14E+01	1.58E+01	1.14E—04	9.95E—09	2.74E+00	1.36E—02
650	8.30E+01	1.41E+01	8.41E—05	6.71E—09	2.90E+00	1.05E—02
660	8.45E+01	1.25E+01	6.21E—05	4.52E—09	3.05E+00	8.14E—03
670	8.57E+01	1.10E+01	4.58E—05	3.04E—09	3.20E+00	6.28E—03
680	8.69E+01	9.76E+00	3.37E—05	2.05E—09	3.36E+00	4.84E—03
690	8.79E+01	8.61E+00	2.48E—05	1.38E—09	3.51E+00	3.73E—03
700	8.87E+01	7.59E+00	1.83E—05	9.24E—10	3.67E+00	2.87E—03

Продолжение табл. 26

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	8.95E+01	6.69E+00	1.34E—05	6.21E—10	3.83E+00	2.21E—03
720	9.01E+01	5.88E+00	9.87E—06	4.17E—10	3.99E+00	1.70E—03
730	9.07E+01	5.17E+00	7.25E—06	2.80E—10	4.15E+00	1.30E—03
740	9.11E+01	4.55E+00	5.33E—06	1.88E—10	4.32E+00	1.00E—03
750	9.15E+01	3.99E+00	3.91E—06	1.26E—10	4.48E+00	7.70E—04
760	9.18E+01	3.51E+00	2.88E—06	8.50E—11	4.65E+00	5.92E—04
770	9.21E+01	3.08E+00	2.11E—06	5.71E—11	4.82E+00	4.55E—04
780	9.23E+01	2.70E+00	1.55E—06	3.84E—11	4.99E+00	3.49E—04
790	9.25E+01	2.37E+00	1.14E—06	2.59E—11	5.17E+00	2.69E—04
800	9.26E+01	2.08E+00	8.41E—07	1.74E—11	5.35E+00	2.06E—04

D—172; LAT——40; LON—45; LT—12; *F*—150; $\overline{F}AV$—150; A_p—3; UTI—9

80	5.44E—04	1.30E—03	2.08E+01	8.74E—01	1.55E—05	7.83E+01
90	6.09E—04	3.33E—01	2.03E+01	8.20E—01	1.02E—04	7.86E+01
100	9.56E—04	3.75E+00	1.80E+01	6.73E—01	1.63E—04	7.76E+01
110	2.48E—03	1.12E+01	1.33E+01	4.35E—01	3.72E—04	7.51E+01
120	7.20E—03	1.98E+01	8.86E+00	2.59E—01	6.79E—04	7.11E+01
130	2.03E—02	2.68E+01	6.49E+00	1.65E—01	8.52E—04	6.65E+01
140	4.26E—02	3.26E+01	5.28E+00	1.12E—01	9.14E—04	6.20E+01
150	6.64E—02	3.76E+01	4.51E+00	7.92E—02	9.45E—04	5.77E+01
160	9.37E—02	4.23E+01	3.92E+00	5.85E—02	9.97E—04	5.36E+01
170	1.26E—01	4.67E+01	3.43E+00	4.44E—02	1.09E—03	4.97E+01
180	1.64E—01	5.08E+01	3.01E+00	3.43E—02	1.24E—03	4.60E+01
190	2.09E—01	5.48E+01	2.63E+00	2.68E—02	1.44E—03	4.24E+01
200	2.62E—01	5.85E+01	2.30E+00	2.12E—02	1.72E—03	3.89E+01
210	3.23E—01	6.20E+01	2.01E+00	1.68E—02	2.08E—03	3.57E+01
220	3.93E—01	6.52E+01	1.76E+00	1.33E—02	2.52E—03	3.26E+01
230	4.74E—01	6.83E+01	1.53E+00	1.05E—02	3.07E—03	2.97E+01
240	5.67E—01	7.11E+01	1.33E+00	8.38E—03	3.73E—03	2.70E+01
250	6.73E—01	7.37E+01	1.15E+00	6.65E—03	4.53E—03	2.45E+01
260	7.93E—01	7.61E+01	9.98E—01	5.28E—03	5.48E—03	2.21E+01
270	9.30E—01	7.82E+01	8.63E—01	4.18E—03	6.60E—03	2.00E+01
280	1.09E+00	8.02E+01	7.44E—01	3.31E—03	7.93E—03	1.80E+01
290	1.26E+00	8.19E+01	6.41E—01	2.62E—03	9.50E—03	1.62E+01
300	1.46E+00	8.35E+01	5.52E—01	2.07E—03	1.13E—02	1.45E+01
310	1.68E+00	8.49E+01	4.73E—01	1.63E—03	1.34E—02	1.30E+01
320	1.93E+00	8.60E+01	4.06E—01	1.29E—03	1.59E—02	1.16E+01
330	2.21E+00	8.70E+01	3.48E—01	1.02E—03	1.88E—02	1.04E+01
340	2.53E+00	8.79E+01	2.98E—01	8.03E—04	2.22E—02	9.25E+00
350	2.89E+00	8.86E+01	2.55E—01	6.32E—04	2.61E—02	8.25E+00
360	3.29E+00	8.91E+01	2.18E—01	4.97E—04	3.07E—02	7.34E+00
370	3.73E+00	8.95E+01	1.86E—01	3.91E—04	3.59E—02	6.52E+00
380	4.23E+00	8.98E+01	1.58E—01	3.08E—04	4.20E—02	5.79E+00
390	4.78E+00	8.99E+01	1.35E—01	2.42E—04	4.89E—02	5.13E+00
400	5.40E+00	8.99E+01	1.15E—01	1.90E—04	5.69E—02	4.55E+00

Продолжение табл. 26

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	6.08E+00	8.97E+01	9.75E—02	1.49E—04	6.60E—02	4.03E+00
420	6.84E+00	8.94E+01	8.28E—02	1.17E—04	7.65E—02	3.56E+00
430	7.67E+00	8.90E+01	7.02E—02	9.13E—05	8.85E—02	3.14E+00
440	8.59E+00	8.85E+01	5.95E—02	7.15E—05	1.02E—01	2.77E+00
450	9.60E+00	8.78E+01	5.04E—02	5.59E—05	1.18E—01	2.44E+00
460	1.07E+01	8.70E+01	4.26E—02	4.37E—05	1.35E—01	2.15E+00
470	1.19E+01	8.60E+01	3.60E—02	3.41E—05	1.55E—01	1.89E+00
480	1.32E+01	8.49E+01	3.04E—02	2.66E—05	1.77E—01	1.65E+00
490	1.47E+01	8.36E+01	2.56E—02	2.07E—05	2.02E—01	1.45E+00
500	1.62E+01	8.22E+01	2.15E—02	1.61E—05	2.30E—01	1.27E+00
510	1.79E+01	8.07E+01	1.81E—02	1.25E—05	2.61E—01	1.11E+00
520	1.97E+01	7.90E+01	1.51E—02	9.70E—06	2.96E—01	9.65E—01
530	2.16E+01	7.72E+01	1.27E—02	7.51E—06	3.35E—01	8.39E—01
540	2.37E+01	7.52E+01	1.06E—02	5.80E—06	3.77E—01	7.28E—01
550	2.58E+01	7.31E+01	8.81E—03	4.48E—06	4.23E—01	6.30E—01
560	2.81E+01	7.09E+01	7.33E—03	3.45E—06	4.74E—01	5.45E—01
570	3.04E+01	6.85E+01	6.08E—03	2.65E—06	5.29E—01	4.70E—01
580	3.29E+01	6.61E+01	5.03E—03	2.03E—06	5.88E—01	4.04E—01
590	3.55E+01	6.35E+01	4.15E—03	1.55E—06	6.52E—01	3.46E—01
600	3.81E+01	6.09E+01	3.42E—03	1.19E—06	7.21E—01	2.96E—01
610	4.08E+01	5.82E+01	2.81E—03	9.03E—07	7.94E—01	2.53E—01
620	4.35E+01	5.54E+01	2.30E—03	6.86E—07	8.71E—01	2.15E—01
630	4.62E+01	5.26E+01	1.88E—03	5.20E—07	9.53E—01	1.82E—01
640	4.90E+01	4.98E+01	1.53E—03	3.93E—07	1.04E+00	1.54E—01
650	5.17E+01	4.70E+01	1.24E—03	2.96E—07	1.13E+00	1.30E—01
660	5.44E+01	4.42E+01	1.01E—03	2.23E—07	1.22E+00	1.09E—01
670	5.71E+01	4.15E+01	8.15E—04	1.67E—07	1.32E+00	9.18E—02
680	5.97E+01	3.88E+01	6.57E—04	1.25E—07	1.41E+00	7.68E—02
690	6.22E+01	3.62E+01	5.29E—04	9.35E—08	1.52E+00	6.41E—02
700	6.46E+01	3.37E+01	4.24E—04	6.97E—08	1.62E+00	5.34E—02
710	6.70E+01	3.13E+01	3.40E—04	5.19E—08	1.72E+00	4.44E—02
720	6.92E+01	2.89E+01	2.72E—04	3.85E—08	1.83E+00	3.68E—02
730	7.13E+01	2.67E+01	2.17E—04	2.86E—08	1.94E+00	3.04E—02
740	7.33E+01	2.46E+01	1.73E—04	2.12E—08	2.05E+00	2.51E—02
750	7.52E+01	2.26E+01	1.37E—04	1.56E—08	2.16E+00	2.07E—02
760	7.69E+01	2.08E+01	1.09E—04	1.15E—08	2.27E+00	1.71E—02
770	7.86E+01	1.90E+01	8.64E—05	8.52E—09	2.38E+00	1.40E—02
780	8.01E+01	1.74E+01	6.84E—05	6.27E—09	2.50E+00	1.15E—02
790	8.15E+01	1.59E+01	5.41E—05	4.62E—09	2.61E+00	9.44E—03
800	8.28E+01	1.45E+01	4.27E—05	3.40E—09	2.72E+00	7.74E—03

D—172; LAT— —40; LON—45; LT—18; F—150; $F\Delta V$—150 A_p —3; UT1—15

80	5.45E—04	1.27E—03	2.08E+01	9.01E—01	1.58E—05	7.83E+01
90	6.05E—04	3.23E—01	2.04E+01	8.64E—01	1.03E—04	7.84E+01
100	9.52E—04	3.61E+00	1.83E+01	7.30E—01	1.68E—04	7.73E+01

Продолжение табл. 26

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.58E—03	1.09E+01	1.39E+01	4.84E—01	4.15E—04	7.47E+01
120	6.99E—03	1.89E+01	9.87E+00	3.09E—01	7.58E—04	7.09E+01
130	1.53E—02	2.54E+01	7.56E+00	2.11E—01	9.25E—04	6.68E+01
140	2.74E—02	3.09E+01	6.28E+00	1.50E—01	9.91E—04	6.27E+01
150	4.17E—02	3.57E+01	5.42E+00	1.11E—01	1.03E—03	5.87E+01
160	5.89E—02	4.03E+01	4.74E+00	8.43E—02	1.10E—03	5.48E+01
170	7.97E—02	4.46E+01	4.17E+00	6.52E—02	1.22E—03	5.11E+01
180	1.05E—01	4.87E+01	3.67E+00	5.10E—02	1.39E—03	4.75E+01
190	1.34E—01	5.27E+01	3.23E+00	4.03E—02	1.64E—03	4.39E+01
200	1.69E—01	5.64E+01	2.83E+00	3.20E—02	1.97E—03	4.06E+01
210	2.10E—01	6.00E+01	2.49E+00	2.54E—02	2.40E—03	3.73E+01
220	2.57E—01	6.33E+01	2.18E+00	2.03E—02	2.93E—03	3.42E+01
230	3.12E—01	6.65E+01	1.93E+00	1.61E—02	3.59E—03	3.13E+01
240	3.74E—01	6.94E+01	1.66E+00	1.29E—02	4.38E—03	2.86E+01
250	4.46E—01	7.21E+01	1.44E+00	1.03E—02	5.34E—03	2.60E+01
260	5.28E—01	7.46E+01	1.25E+00	8.16E—03	6.49E—03	2.36E+01
270	6.22E—01	7.69E+01	1.09E+00	6.49E—03	7.85E—03	2.14E+01
280	7.28E—01	7.90E+01	9.42E—01	5.16E—03	9.47E—03	1.93E+01
290	8.48E—01	8.09E+01	8.14E—01	4.10E—03	1.14E—02	1.74E+01
300	9.84E—01	8.26E+01	7.02E—01	3.25E—03	1.36E—02	1.57E+01
310	1.14E+00	8.42E+01	6.05E—01	2.57E—03	1.62E—02	1.41E+01
320	1.31E+00	8.55E+01	5.20E—01	2.04E—03	1.92E—02	1.26E+01
330	1.51E+00	8.67E+01	4.47E—01	1.61E—03	2.28E—02	1.13E+01
340	1.72E+00	8.78E+01	3.84E—01	1.28E—03	2.69E—02	1.01E+01
350	1.97E+00	8.86E+01	3.29E—01	1.01E—03	3.17E—02	9.03E+00
360	2.25E+00	8.94E+01	2.82E—01	7.96E—04	3.73E—02	8.06E+00
370	2.55E+00	9.00E+01	2.42E—01	6.28E—04	4.37E—02	7.18E+00
380	2.90E+00	9.04E+01	2.07E—01	4.96E—04	5.11E—02	6.40E+00
390	3.28E+00	9.08E+01	1.77E—01	3.91E—04	5.97E—02	5.69E+00
400	3.71E+00	9.10E+01	1.51E—01	3.08E—04	6.95E—02	5.06E+00
410	4.19E+00	9.11E+01	1.29E—01	2.43E—04	8.09E—02	4.49E+00
420	4.72E+00	9.11E+01	1.10E—01	1.91E—04	9.39E—02	3.99E+00
430	5.31E+00	9.10E+01	9.35E—02	1.50E—04	1.09E—01	3.53E+00
440	5.97E+00	9.07E+01	7.96E—02	1.18E—04	1.26E—01	3.13E+00
450	6.69E+00	9.03E+01	6.77E—02	9.30E—05	1.45E—01	2.77E+00
460	7.49E+00	8.98E+01	5.75E—02	7.31E—05	1.67E—01	2.45E+00
470	8.36E+00	8.92E+01	4.89E—02	5.74E—05	1.93E—01	2.16E+00
480	9.33E+00	8.85E+01	4.14E—02	4.50E—05	2.21E—01	1.91E+00
490	1.04E+01	8.76E+01	3.51E—02	3.53E—05	2.54E—01	1.68E+00
500	1.15E+01	8.67E+01	2.97E—02	2.77E—05	2.90E—01	1.48E+00
510	1.28E+01	8.56E+01	2.52E—02	2.16E—05	3.31E—01	1.30E+00
520	1.41E+01	8.43E+01	2.12E—02	1.69E—05	3.77E—01	1.14E+00
530	1.56E+01	8.29E+01	1.79E—02	1.32E—05	4.28E—01	1.00E+00
540	1.72E+01	8.14E+01	1.51E—02	1.03E—05	4.86E—01	8.75E—01
550	1.89E+01	7.98E+01	1.27E—02	8.03E—06	5.49E—01	7.65E—01
560	2.07E+01	7.80E+01	1.06E—02	6.25E—06	6.19E—01	6.67E—01
570	2.26E+01	7.61E+01	8.92E—03	4.85E—06	6.97E—01	5.80E—01
580	2.47E+01	7.40E+01	7.46E—03	3.76E—06	7.81E—01	5.04E—01
590	2.68E+01	7.18E+01	6.22E—03	2.91E—06	8.74E—01	4.37E—01
600	2.91E+01	6.95E+01	5.18E—03	2.25E—06	9.74E—01	3.77E—01

Продолжение табл. 26

z, км	He/S, %	O/S, %	O_3/S, %	Ar/S, %	H/S, %	N_2/S, %
610	3.14E+01	6.71E+01	4.30E—03	1.73E—06	1.08E+00	3.26E—01
620	3.39E+01	6.46E+01	3.57E—03	1.33E—06	1.20E+00	2.83E—01
630	3.64E+01	6.21E+01	2.95E—03	1.02E—06	1.33E+00	2.40E—01
640	3.89E+01	5.94E+01	2.43E—03	7.81E—07	1.46E+00	2.06E—01
650	4.15E+01	5.67E+01	2.00E—03	5.97E—07	1.60E+00	1.76E—01
660	4.42E+01	5.39E+01	1.64E—03	4.55E—07	1.75E+00	1.50E—01
670	4.68E+01	5.12E+01	1.34E—03	3.46E—07	1.91E+00	1.27E—01
680	4.94E+01	4.84E+01	1.10E—03	2.62E—07	2.07E+00	1.08E—01
690	5.20E+01	4.56E+01	8.93E—04	1.98E—07	2.24E+00	9.08E—02
700	5.46E+01	4.29E+01	7.25E—04	1.50E—07	2.42E+00	7.65E—02
710	5.71E+01	4.02E+01	5.87E—04	1.13E—07	2.60E+00	6.43E—02
720	5.96E+01	3.76E+01	4.75E—04	8.47E—08	2.78E+00	5.39E—02
730	6.19E+01	3.51E+01	3.83E—04	6.35E—08	2.97E+00	4.51E—02
740	6.42E+01	3.26E+01	3.08E—04	4.75E—08	3.17E+00	3.76E—02
750	6.64E+01	3.02E+01	2.47E—04	3.55E—08	3.36E+00	3.13E—02
760	6.84E+01	2.80E+01	1.98E—04	2.65E—08	3.56E+00	2.60E—02
770	7.04E+01	2.58E+01	1.58E—04	1.97E—08	3.76E+00	2.16E—02
780	7.22E+01	2.38E+01	1.27E—04	1.46E—08	3.97E+00	1.78E—02
790	7.39E+01	2.19E+01	1.01E—04	1.09E—08	4.17E+00	1.47E—02
800	7.55E+01	2.01E+01	8.03E—05	8.06E—09	4.38E+00	1.22E—02

D—172; LAT—40; **LON—45; LT—24;** *F*—150; *FΔV*—150; A_p—3; UT1—21

80	5.44E—04	1.25E—03	2.08E+01	8.75E—01	1.69E—05	7.83E+01
90	6.39E—04	3.19E—01	2.03E+01	8.21E—01	1.16E—04	7.86E+01
100	9.58E—04	3.58E+00	1.80E+01	6.75E—01	1.95E—04	7.78E+01
110	2.50E—03	1.07E+01	1.33E+01	4.36E—01	4.75E—04	7.55E+01
120	7.30E—03	1.91E+01	8.90E+00	2.58E—01	9.57E—04	7.17E+01
130	1.96E—02	2.61E+01	6.51E+00	1.63E—01	1.31E—03	6.72E+01
140	4.00E—02	3.18E+01	5.29E+00	1.09E—01	1.52E—03	6.27E+01
150	6.27E—02	3.69E+01	4.50E+00	7.68E—02	1.69E—03	5.84E+01
160	8.98E—02	4.17E+01	3.90E+00	5.61E—02	1.89E—03	5.42E+01
170	1.23E—01	4.62E+01	3.39E+00	4.20E—02	2.18E—03	5.02E+01
180	1.63E—01	5.06E+01	2.95E+00	3.20E—02	2.58E—03	4.63E+01
190	2.11E—01	5.48E+01	2.56E+00	2.46E—02	3.12E—03	4.24E+01
200	2.69E—01	5.87E+01	2.22E+00	1.90E—02	3.85E—03	3.88E+01
210	3.38E—01	6.25E+01	1.91E+00	1.47E—02	4.78E—03	3.52E+01
220	4.20E—01	6.60E+01	1.64E+00	1.14E—02	5.97E—03	3.19E+01
230	5.16E—01	6.93E+01	1.41E+00	8.79E—03	7.46E—03	2.88E+01
240	6.29E—01	7.23E+01	1.20E+00	6.79E—03	9.30E—03	2.58E+01
250	7.61E—01	7.51E+01	1.02E+00	5.23E—03	1.16E—02	2.31E+01
260	9.14E—01	7.76E+01	8.69E—01	4.02E—03	1.43E—02	2.06E+01
270	1.09E+00	7.98E+01	7.36E—01	3.08E—03	1.77E—02	1.83E+01
280	1.30E+00	8.18E+01	6.21E—01	2.36E—03	2.17E—02	1.62E+01
290	1.53E+00	8.36E+01	5.23E—01	1.80E—03	2.66E—02	1.43E+01
300	1.80E+00	8.51E+01	4.39E—01	1.38E—03	3.24E—02	1.26E+01

Продолжение табл. 26

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	2.12E+00	8.64E+01	3.68E−01	1.05E−03	3.94E−02	1.11E+01
320	2.47E+00	8.74E+01	3.08E−01	7.97E−04	4.77E−02	9.75E+00
330	2.88E+00	8.83E+01	2.57E−01	6.05E−04	5.75E−02	8.53E+00
340	3.35E+00	8.89E+01	2.14E−01	4.58E−04	6.92E−02	7.46E+00
350	3.88E+00	8.94E+01	1.78E−01	3.47E−04	8.30E−02	6.51E+00
360	4.48E+00	8.96E+01	1.48E−01	2.62E−04	9.94E−02	5.66E+00
370	5.16E+00	8.97E+01	1.23E−01	1.98E−04	1.19E−01	4.92E+00
380	5.93E+00	8.96E+01	1.02E−01	1.49E−04	1.41E−01	4.27E+00
390	6.79E+00	8.92E+01	8.41E−02	1.13E−04	1.68E−01	3.70E+00
400	7.77E+00	8.88E+01	6.95E−02	8.48E−05	1.98E−01	3.20E+00
410	8.86E+01	8.81E+01	5.73E−02	6.37E−05	2.34E−01	2.77E+00
420	1.01E+01	8.72E+01	4.71E−02	4.78E−05	2.76E−01	2.39E+00
430	1.14E+01	8.62E+01	3.87E−02	3.58E−05	3.24E−01	2.05E+00
440	1.29E+01	8.49E+01	3.18E−02	2.68E−05	3.79E−01	1.76E+00
450	1.46E+01	8.35E+01	2.60E−02	2.00E−05	4.42E−01	1.51E+00
460	1.64E+01	8.18E+01	2.12E−02	1.49E−05	5.14E−01	1.29E+00
470	1.83E+01	7.99E+01	1.73E−02	1.11E−05	5.96E−01	1.10E+00
480	2.05E+01	7.79E+01	1.41E−02	8.24E−06	6.88E−01	9.36E−01
490	2.28E+01	7.56E+01	1.14E−02	6.10E−06	7.92E−01	7.94E−01
500	2.52E+01	7.32E+01	9.21E−03	4.50E−06	9.07E−01	6.71E−01
510	2.78E+01	7.06E+01	7.42E−03	3.32E−06	1.04E+00	5.65E−01
520	3.06E+01	6.78E+01	5.95E−03	2.43E−06	1.18E+00	4.74E−01
530	3.35E+01	6.48E+01	4.76E−03	1.78E−06	1.33E+00	3.97E−01
540	3.64E+01	6.17E+01	3.80E−03	1.30E−06	1.50E+00	3.31E−01
550	3.95E+01	5.86E+01	3.01E−03	9.43E−07	1.68E+00	2.75E−01
560	4.26E+01	5.53E+01	2.38E−03	6.83E−07	1.87E+00	2.27E−01
570	4.57E+01	5.20E+01	1.88E−03	4.93E−07	2.08E+00	1.87E−01
580	4.89E+01	4.87E+01	1.47E−03	3.54E−07	2.29E+00	1.53E−01
590	5.20E+01	4.54E+01	1.15E−03	2.54E−07	2.52E+00	1.25E−01
600	5.50E+01	4.21E+01	8.99E−04	1.81E−07	2.76E+00	1.02E−01
610	5.80E+01	3.90E+01	6.97E−04	1.29E−07	3.00E+00	8.27E−02
620	6.08E+01	3.59E+01	5.40E−04	9.13E−08	3.26E+00	6.68E−02
630	6.35E+01	3.29E+01	4.16E−04	6.45E−08	3.52E+00	5.38E−02
640	6.61E+01	3.01E+01	3.20E−04	4.55E−08	3.78E+00	4.32E−02
650	6.85E+01	2.74E+01	2.45E−04	3.20E−08	4.05E+00	3.46E−02
660	7.08E+01	2.49E+01	1.87E−04	2.24E−08	4.32E+00	2.76E−02
670	7.29E+01	2.25E+01	1.43E−04	1.57E−08	4.59E+00	2.19E−02
680	7.48E+01	2.03E+01	1.09E−04	1.09E−08	4.86E+00	1.74E−02
690	7.66E+01	1.83E+01	8.24E−05	7.63E−09	5.14E+00	1.38E−02
700	7.81E+01	1.64E+01	6.24E−05	5.31E−09	5.42E+00	1.09E−02
710	7.96E+01	1.47E+01	4.72E−05	3.69E−09	5.69E+00	8.61E−03
720	8.08E+01	1.32E+01	3.57E−05	2.56E−09	5.97E+00	6.79E−03
730	8.20E+01	1.18E+01	2.69E−05	1.78E−09	6.25E+00	5.34E−03
740	8.30E+01	1.05E+01	2.03E−05	1.23E−09	6.53E+00	4.20E−03
750	8.38E+01	9.36E+00	1.53E−05	8.52E−10	6.81E+00	3.30E−03
760	8.46E+01	8.33E+00	1.15E−05	5.90E−10	7.09E+00	2.59E−03
770	8.52E+01	7.40E+00	8.66E−06	4.08E−10	7.37E+00	2.03E−03
780	8.58E+01	6.57E+00	6.51E−06	2.83E−10	7.65E+00	1.59E−03
790	8.62E+01	5.84E+00	4.90E−06	1.96E−10	7.93E+00	1.25E−03
800	8.66E+01	5.18E+00	3.68E−06	1.35E−10	8.22E+00	9.78E−04

Таблица 27

Суточные вариации состава при средней солнечной активности на средних широтах северного полушария (высокая магнитная активность)

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—172; LAT—40; LON—45; LT—6, *F*—150; *FAV*—150; A_p—100; UT1—3						
80	5.43E—04	1.08E—03	2.08E+01	9.32E—01	1.41E—05	7.82E+01
90	6.01E—04	2.71E—01	2.04E+01	9.13E—01	8.73E—05	7.84E+01
100	9.53E—04	2.99E+00	1.84E+01	8.00E—01	1.39E—04	7.78E+01
110	2.50E—03	8.75E+00	1.44E+01	5.75E—01	3.15E—04	7.63E+01
120	5.20E—03	1.45E+01	1.07E+01	4.17E—01	4.87E—04	7.43E+01
130	5.99E—03	1.90E+01	8.60E+00	3.21E—01	5.20E—04	7.21E+01
140	7.08E—03	2.25E+01	7.44E+00	2.55E—01	5.02E—04	6.98E+01
150	9.87E—03	2.57E+01	6.68E+00	2.06E—01	4.82E—04	6.74E+01
160	1.37E—02	2.88E+01	6.08E+00	1.69E—01	4.83E—04	6.50E+01
170	1.86E—02	3.17E+01	5.55E+00	1.39E—01	5.11E—04	6.25E+01
180	2.45E—02	3.47E+01	5.08E+00	1.16E—01	5.70E—04	6.01E+01
190	3.16E—02	3.76E+01	4.64E+00	9.65E—02	6.60E—04	5.76E+01
200	4.01E—02	4.06E+01	4.24E+00	8.06E—02	7.87E—04	5.50E+01
210	5.02E—02	4.36E+01	3.87E+00	6.74E—02	9.55E—04	5.24E+01
220	6.21E—02	4.65E+01	3.52E+00	5.63E—02	1.17E—03	4.98E+01
230	7.62E—02	4.95E+01	3.20E+00	4.70E—02	1.44E—03	4.72E+01
240	9.26E—02	5.24E+01	2.90E+00	3.93E—02	1.77E—03	4.45E+01
250	1.12E—01	5.53E+01	2.62E+00	3.27E—02	2.17E—03	4.19E+01
260	1.34E—01	5.82E+01	2.36E+00	2.72E—02	2.65E—03	3.93E+01
270	1.59E—01	6.09E+01	2.12E+00	2.26E—02	3.23E—03	3.68E+01
280	1.88E—01	6.36E+01	1.90E+00	1.87E—02	3.93E—03	3.43E+01
290	2.21E—01	6.62E+01	1.70E+00	1.55E—02	4.74E—03	3.18E+01
300	2.59E—01	6.87E+01	1.51E+00	1.28E—02	5.71E—03	2.95E+01
310	3.04E—01	7.08E+01	1.36E+00	1.06E—02	6.90E—03	2.75E+01
320	3.53E—01	7.31E+01	1.20E+00	8.71E—03	8.22E—03	2.53E+01
330	4.07E—01	7.52E+01	1.06E+00	7.14E—03	9.76E—03	2.33E+01
340	4.68E—01	7.73E+01	9.40E—01	5.85E—03	1.15E—02	2.13E+01
350	5.37E—01	7.91E+01	8.28E—01	4.78E—03	1.36E—02	1.95E+01
360	6.15E—01	8.08E+01	7.28E—01	3.90E—03	1.60E—02	1.78E+01
370	7.01E—01	8.24E+01	6.39E—01	3.18E—03	1.88E—02	1.62E+01
380	7.98E—01	8.38E+01	5.61E—01	2.59E—03	2.20E—02	1.48E+01
390	9.05E—01	8.51E+01	4.91E—01	2.10E—03	2.57E—02	1.34E+01
400	1.03E+00	8.63E+01	4.30E—01	1.71E—03	2.99E—02	1.22E+01
410	1.16E+00	8.74E+01	3.75E—01	1.39E—03	3.47E—02	1.11E+01
420	1.31E+00	8.83E+01	3.28E—01	1.13E—03	4.03E—02	1.00E+01
430	1.47E+00	8.91E+01	2.86E—01	9.13E—04	4.66E—02	9.05E+00
440	1.66E+00	8.99E+01	2.49E—01	7.40E—04	5.39E—02	8.18E+00
450	1.86E+00	9.05E+01	2.17E—01	5.99E—04	6.22E—02	7.39E+00
460	2.09E+00	9.10E+01	1.89E—01	4.85E—04	7.16E—02	6.67E+00
470	2.33E+00	9.14E+01	1.64E—01	3.92E—04	8.24E—02	6.02E+00
480	2.61E+00	9.17E+01	1.43E—01	3.17E—04	9.46E—02	5.42E+00
490	2.91E+00	9.20E+01	1.24E—01	2.57E—04	1.08E—01	4.88E+00
500	3.25E+00	9.21E+01	1.08E—01	2.08E—04	1.24E—01	4.39E+00

Продолжение табл. 27

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
510	3.62E+00	9.22E+01	9.34E−02	5.68E−04	1.42E−01	3.95E+00
520	4.02E+00	9.22E+01	8.11E− 02	1.36E−04	1.62E−01	3.55E+00
530	4.47E+00	9.21E+01	7.03E−02	1.09E−04	1.85E−01	3.19E+00
540	4.96E+00	9.19E+01	6.09E−02	8.84E−05	2.11E−01	2.86E+00
550	5.50E+00	9.16E+01	5.28E− 02	7.14E−05	2.41E−01	2.57E+00
560	6.08E+00	9.13E+01	4.57E−02	5.76E−05	2.73E−01	2.30E+00
570	6.72E+00	9.09E+01	3.95E−02	4.65E −05	3.10E−01	2.06E+00
580	7.42E+00	9.03E+01	3.42E−02	3.75E−05	3.51E−01	1.85E+00
590	8.18E+00	8.97E+01	2.95E- 02	3 02E−05	3.97E−01	1.65E+00
600	9.01E+00	8.90E+01	2.55E−02	2.44E− 05	4.49E−01	1.48E+00
610	9.91E+00	8.82E +01	2.20E−02	1.96E− 05	5.06E−01	1.32E+00
620	1.09E+01	8.74E+01	1.90E−02	1.58E−05	5.70E−01	1 18E+00
630	1.19E+01	8.64E+01	1.64E -02	1.27E− 05	6.42E−01	1.05E+00
640	1.30E+01	8.53E+01	1.41E -02	1.02E−05	7.20E−01	9 36E−01
650	1.43E+01	8.41E+01	1.21E−02	8.20E −06	8.07E−01	8.33E−01
660	1.55E+01	8.28E +01	1.04E−02	6.58E− 06	9.03E−01	7 41E−01
670	1.69E+01	8.14E+01	8.93E−03	5.27E−06	1.01E+00	6.57E−01
680	1 84E+01	7.99E+01	7 65E−03	4.22E− 06	1.12E+00	5.83E−01
690	1.99E+01	7.83E+01	6.55E -03	3 38E− 06	1.25E+00	5.16E−01
700	2.16E+01	7.66E+01	5.60E−03	2.70E−06	1.39E+00	4.56E 01
710	2.33E+01	7 47E+01	4.78E−03	2.15E−06	1.54E+00	4.03E−01
720	2.51E+01	7.28E+01	4.07E−03	1.72E−06	1.70E+00	3.55E−01
730	2.70E+01	7.08E+01	3.46E−03	1 37E−06	1.87E+00	3.12E−01
740	2.89E+01	6.87E+01	2.94E−03	1 09E−06	2.06E+00	2.74E−01
750	3.10E+01	6.65E+01	2.49E−03	8.61E−07	2 26E+00	2.40E−01
760	3.30E+01	6.43E+01	2.11E−03	6.82E−07	2.47E+00	2.10E−01
770	3 52E+01	6.20E+01	1 78E−03	5.39E−07	2.69E+00	1.83E−01
780	3.73E+01	5.96E+01	1.50E−03	4 25E−07	2.93E+00	1.60E−01
790	3.95E+01	5.72E+01	1.26E−03	3.35E−07	3.18E+00	1.39E−01
800	4.17E+01	5.47E+01	1.06E−03	2.63E−07	3.44E+00	1.20E−01

D—172; LAT—40; LON—45; LT—12; *F*—150; $F\Delta V$—150; A_p—100; UT1—9

80	5.42E−04	1.11E−03	2.08E+01	8.93E−01	1.38E−05	7.83E+01
90	6.05E−04	2.80E−01	2.02E+01	8.50E−01	8.66E−05	7.86E+01
100	9.58E−04	3.13E+00	1.79E+01	7.14E − 01	1.35E−04	7.82E+01
110	2.34E−03	9.10E+00	1.34E+01	4.93E−01	2.76E−04	7.70E+01
120	4.93E− 03	1.55E + 01	9.19E+00	3.28E−01	4.35E−04	7.50E +01
130	5.80E−03	2.02E+01	6.99E+00	2.34E−01	4.77E−04	7.26E+01
140	6.75E−03	2.38E+01	5.94E+00	1.76E−01	4.51E−04	7.01E+01
150	9.18E− 03	2.69E+01	5.33E+00	1.38E−01	4.19E−04	6.77E+01
160	1.24E−02	2.97E+01	4.87E+00	1.11E−01	4.05E−04	6.53E+01
170	1.63E−02	3.24E+01	4.48E+00	9.19E−02	4.14E−04	6.30E+01
180	2.09E−02	3.50E+01	4 14E+00	7.69E−02	4.45E−04	6.07E+01
190	2.62E−02	3.76E+01	3.82E+00	6.49E−02	4.99E− 04	5.85E+01
200	3.25E−02	4.02E+01	3.52E+00	5.51E−02	5.77E−04	5.61E+01

Продолжение табл. 27

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	3.96E—02	4.29E+01	3.25E+00	4.70E—02	6.79E—04	5.38E+01
220	4.79E—02	4.55E+01	3.00E+00	4.01E—02	8.08E—04	5.15E+01
230	5.74E—02	4.81E+01	2.75E+00	3.42E—02	9.67E—04	4.91E+01
240	6.83E—02	5.07E+01	2.53E+00	2.92E—02	1.16E—03	4.67E+01
250	8.07E—02	5.32E+01	2.31E+00	2.49E—02	1.39E—03	4.43E+01
260	9.48E—02	5.58E+01	2.12E+00	2.12E—02	1.66E—03	4.20E+01
270	1.11E—01	5.83E+01	1.93E+00	1.80E—02	1.99E—03	3.97E+01
280	1.29E—01	6.07E+01	1.76E+00	1.53E—02	2.36E—03	3.74E+01
290	1.49E—01	6.31E+01	1.59E+00	1.30E—02	2.80E—03	3.51E+01
300	1.72E—01	6.54E+01	1.45E+00	1.10E—02	3.31E—03	3.30E+01
310	1.99E—01	6.74E+01	1.32E+00	9.34E—03	3.93E—03	3.10E+01
320	2.28E—01	6.96E+01	1.19E+00	7.87E—03	4.60E—03	2.90E+01
330	2.60E—01	7.17E+01	1.07E+00	6.62E—03	5.38E—03	2.70E+01
340	2.95E—01	7.37E+01	9.60E—01	5.57E—03	6.27E—03	2.51E+01
350	3.35E—01	7.55E+01	8.61E—01	4.67E—03	7.29E—03	2.32E+01
360	3.79E—01	7.73E+01	7.72E—01	3.92E—03	8.45E—03	2.15E+01
370	4.28E—01	7.90E+01	6.90E—01	3.28E—03	9.78E—03	1.99E+01
380	4.81E—01	8.05E+01	6.17E—01	2.74E—03	1.13E—02	1.84E+01
390	5.41E—01	8.19E+01	5.50E—01	2.29E—03	1.30E—02	1.70E+01
400	6.07E—01	8.33E+01	4.91E—01	1.91E—03	1.49E—02	1.56E+01
410	6.79E—01	8.45E+01	4.37E—01	1.60E—03	1.71E—02	1.44E+01
420	7.59E—01	8.56E+01	3.89E—01	1.33E—03	1.96E—02	1.32E+01
430	8.46E—01	8.67E+01	3.46E—01	1.11E—03	2.24E—02	1.21E+01
440	9.43E—01	8.76E+01	3.07E—01	9.22E—04	2.56E—02	1.11E+01
450	1.05E+00	8.85E+01	2.72E—01	7.68E—04	2.92E—02	1.02E+01
460	1.17E+00	8.92E+01	2.42E—01	6.38E—04	3.32E—02	9.34E+00
470	1.29E+00	8.99E+01	2.14E—01	5.31E—04	3.77E—02	8.55E+00
480	1.43E+00	9.05E+01	1.90E—01	4.41E—04	4.28E—02	7.82E+00
490	1.59E+00	9.10E+01	1.68E—01	3.67E—04	4.85E—02	7.15E+00
500	1.75E+00	9.15E+01	1.49E—01	3.05E—04	5.49E—02	6.53E+00
510	1.94E+00	9.19E+01	1.32E—01	2.53E—04	6.21E—02	5.97E+00
520	2.14E+00	9.22E+01	1.16E—01	2.10E—04	7.02E—02	5.45E+00
530	2.35E+00	9.25E+01	1.03E—01	1.74E—04	7.92E—02	4.97E+00
540	2.59E+00	9.27E+01	9.10E—02	1.45E—04	8.93E—02	4.53E+00
550	2.85E+00	9.28E+01	8.04E—02	1.20E—04	1.01E—01	4.13E+00
560	3.13E+00	9.29E+01	7.10E—02	9.97E—05	1.13E—01	3.77E+00
570	3.44E+00	9.29E+01	6.27E—02	8.28E—05	1.27E—01	3.43E+00
580	3.78E+00	9.29E+01	5.54E—02	6.87E—05	1.43E—01	3.13E+00
590	4.14E+00	9.28E+01	4.89E—02	5.70E—05	1.60E—01	2.85E+00
600	4.53E+00	9.27E+01	4.31E—02	4.73E—05	1.80E—01	2.59E+00
610	4.96E+00	9.24E+01	3.81E—02	3.92E—05	2.01E—01	2.36E+00
620	5.42E+00	9.22E+01	3.36E—02	3.25E—05	2.25E—01	2.14E+00
630	5.92E+00	9.18E+01	2.96E—02	2.70E—05	2.51E—01	1.95E+00
640	6.46E+00	9.15E+01	2.61E—02	2.24E—05	2.81E—01	1.77E+00
650	7.04E+00	9.10E+01	2.30E—02	1.86E—05	3.13E—01	1.61E+00
660	7.67E+00	9.05E+01	2.02E—02	1.54E—05	3.49E—01	1.46E+00
670	8.35E+00	8.99E+01	1.78E—02	1.27E—05	3.88E—01	1.32E+00
680	9.07E+00	8.93E+01	1.57E—02	1.06E—05	4.31E—01	1.20E+00
690	9.85E+00	8.86E+01	1.38E—02	8.75E—06	4.79E—01	1.09E+00
700	1.07E+01	8.78E+01	1.21E—02	7.24E—06	5.31E—01	9.87E—01

Продолжение табл. 27

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	1.16E+01	8.69E+01	1.07E—02	6.00E—06	5.89E—01	8.93E—01
720	1.25E+01	8.60E+01	9.36E—03	4.96E—06	6.51E—01	8.08E—01
730	1.35E+01	8.50E+01	8.22E—03	4.10E—06	7.20E—01	7.31E—01
740	1.46E+01	8.39E+01	7.21E—03	3.39E—06	7.94E—01	6.60E—01
750	1.57E+01	8.28E+01	6.32E—03	2.80E—06	8.75E—01	5.96E—01
760	1.69E+01	8.16E+01	5.53E—03	2.31E—06	9.63E—01	5.37E—01
770	1.82E+01	8.03E+01	4.84E—03	1.91E—06	1.06E+00	4.84E—01
780	1.95E+01	7.89E+01	4.23E—03	1.57E—06	1.16E+00	4.36E—01
790	2.09E+01	7.74E+01	3.69E—03	1.30E—06	1.27E+00	3.92E—01
800	2.24E+01	7.59E+01	3.22E—03	1.07E—06	1.39E+00	3.52E—01

D—172; LAT—40; LON—45; LT—18; *F*—150; *FΔV*—150; A_p 100; UT1—15

80	5.43E—04	1.08E—03	2.08E+01	9.23E—01	1.37E—05	7.83E+01
90	6.01E—04	2.71E—01	2.03E+01	9.00E—01	8.38E—05	7.85E+01
100	9.55E—04	3.00E+00	1.83E+01	7.82E—01	1.32E—04	7.79E+01
110	2.50E—03	8.79E+00	1.41E+01	5.56E—01	2.93E—04	7.66E+01
120	5.16E—03	1.46E+01	1.02E+01	3.99E—01	4.43E—04	7.47E+01
130	5.77E—03	1.90E+01	8.07E+00	3.03E—01	4.63E—04	7.26E+01
140	6.68E—03	2.26E+01	6.95E+00	2.37E—01	4.37E—04	7.02E+01
150	9.24E—03	2.57E+01	6.24E+00	1.91E—01	4.10E—04	6.79E+01
160	1.28E—02	2.86E+01	5.69E+00	1.56E—01	4.03E—04	6.55E+01
170	1.72E—02	3.15E+01	5.22E+00	1.30E—01	4.19E—04	6.32E+01
180	2.24E—02	3.42E+01	4.80E+00	1.08E—01	4.58E—04	6.09E+01
190	2.87E—02	3.69E+01	4.42E+00	9.13E—02	5.22E—04	5.85E+01
200	3.60E—02	3.96E+01	4.06E+00	7.73E—02	6.12E—04	5.62E+01
210	4.45E—02	4.23E+01	3.74E+00	6.56E—02	7.30E—04	5.38E+01
220	5.44E—02	4.50E+01	3.44E+00	5.58E—02	8.78E—04	5.15E+01
230	6.58E—02	4.76E+01	3.16E+00	4.75E—02	1.06E—03	4.91E+01
240	7.89E—02	5.02E+01	2.90E+00	4.04E—02	1.28E—03	4.67E+01
250	9.38E—02	5.28E+01	2.65E+00	3.45E—02	1.55E—03	4.44E+01
260	1.11E—01	5.54E+01	2.43E+00	2.93E—02	1.86E—03	4.21E+01
270	1.30E—01	5.79E+01	2.21E+00	2.50E—02	2.23E—03	3.98E+01
280	1.51E—01	6.03E+01	2.02E+00	2.12E—02	2.66E—03	3.75E+01
290	1.76E—01	6.27E+01	1.83E+00	1.80E—02	3.15E—03	3.53E+01
300	2.03E—01	6.50E+01	1.67E+00	1.53E—02	3.73E—03	3.31E+01
310	2.35E—01	6.69E+01	1.52E+00	1.31E—02	4.42E—03	3.13E+01
320	2.69E—01	6.91E+01	1.38E+00	1.10E—02	5.18E—03	2.93E+01
330	3.06E—01	7.11E+01	1.24E+00	9.33E—03	6.04E—03	2.73E+01
340	3.47E—01	7.31E+01	1.12E+00	7.88E—03	7.03E—03	2.54E+01
350	3.93E—01	7.49E+01	1.01E+00	6.65E—03	8.16E—03	2.36E+01
360	4.44E—01	7.67E+01	9.06E—01	5.60E—03	9.44E—03	2.20E—01
370	5.00E—01	7.83E+01	8.13E—01	4.72E—03	1.09E—02	2.04E+01
380	5.61E—01	7.98E+01	7.30E—01	3.97E—03	1.25E—02	1.89E+01
390	6.29E—01	8.13E+01	6.54E—01	3.34E—03	1.44E—02	1.74E+01
400	7.04E—01	8.26E+01	5.85E—01	2.80E—03	1.65E—02	1.61E+01

Продолжение табл. 27

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	7.85E—01	8.38E+01	5.24E—01	2.35E—03	1.88E—02	1.49E+01
420	8.75E—01	8.49E+01	4.68E—01	1.98E—03	2.14E—02	1.37E+01
430	9.73E—01	8.59E+01	4.18E—01	1.66E—03	2.44E—02	1.26E+01
440	1.08E+00	8.69E+01	3.73E—01	1.39E—03	2.78E—02	1.16E+01
450	1.20E+00	8.77E+01	3.33E—01	1.16E—03	3.15E—02	1.07E+01
460	1.33E+00	8.85E+01	2.96E—01	9.76E—04	3.57E—02	9.85E+00
470	1.47E+00	8.92E+01	2.64E—01	8.17E—04	4.04E—02	9.05E+00
480	1.62E+00	8.98E+01	2.35E—01	6.84E—04	4.56E—02	8.31E+00
490	1.79E+00	9.03E+01	2.09E—01	5.73E—04	5.15E—02	7.62E+00
500	1.97E+00	9.08E+01	1.86E—01	4.80E—04	5.81E—02	6.99E+00
510	2.17E+00	9.12E+01	1.66E—01	4.01E—04	6.54E—02	6.41E+00
520	2.38E+00	9.15E+01	1.47E—01	3.36E—04	7.35E—02	5.87E+00
530	2.61E+00	9.18E+01	1.31E—01	2.81E—04	8.26E—02	5.38E+00
540	2.87E+00	9.20E+01	1.16E—01	2.35E—04	9.27E—02	4.93E+00
550	3.14E+00	9.21E+01	1.03E—01	1.97E—04	1.04E—01	4.51E+00
560	3.44E+00	9.22E+01	9.17E—02	1.64E—04	1.16E—01	4.13E+00
570	3.77E+00	9.22E+01	8.14E—02	1.37E—04	1.30E—01	3.77E+00
580	4.12E+00	9.22E+01	7.22E—02	1.15E—04	1.46E—01	3.45E+00
590	4.50E+00	9.21E+01	6.41E—02	9.61E—05	1.62E—01	3.15E+00
600	4.90E+00	9.20E+01	5.68E—02	8.03E—05	1.81E—01	2.88E+00
610	5.35E+00	9.18E+01	5.04E—02	6.71E—05	2.02E—01	2.63E+00
620	5.82E+00	9.15E+01	4.47E—02	5.61E—05	2.25E—01	2.40E+00
630	6.34E+00	9.12E+01	3.96E—02	4.69E—05	2.50E—01	2.19E+00
640	6.89E+00	9.08E+01	3.51E—02	3.92E—05	2.78E—01	2.00E+00
650	7.48E+00	9.04E+01	3.10E—02	3.27E—05	3.09E—01	1.82E+00
660	8.12E+00	8.99E+01	2.75E—02	2.73E—05	3.42E—01	1.66E+00
670	8.80E+00	8.93E+01	2.43E—02	2.28E—05	3.79E—01	1.51E+00
680	9.53E+00	8.87E+01	2.15E—02	1.91E—05	4.20E—01	1.38E+00
690	1.03E+01	8.80E+01	1.90E—02	1.59E—05	4.64E—01	1.25E+00
700	1.11E+01	8.72E+01	1.68E—02	1.33E—05	5.12E—01	1.14E+00
710	1.20E+01	8.64E+01	1.48E—02	1.11E—05	5.65E—01	1.04E+00
720	1.30E+01	8.55E+01	1.31E—02	9.23E—06	6.22E—01	9.41E—01
730	1.40E+01	8.45E+01	1.16E—02	7.69E—06	6.84E—01	8.54E—01
740	1.53E+01	8.34E+01	1.02E—02	6.41E—06	7.52E—01	7.75E—01
750	1.61E+01	8.23E+01	8.98E—03	5.33E—06	8.25E—01	7.02E—01
760	1.73E+01	8.11E+01	7.90E—03	4.44E—06	9.04E—01	6.36E—01
770	1.85E+01	7.99E+01	6.95E—03	3.69E—06	9.89E—01	5.75E—01
780	1.98E+01	7.86E+01	6.11E—03	3.06E—06	1.08E+00	5.20E—01
790	2.12E+01	7.72E+01	5.36E—03	2.54E—06	1.18E+00	4.69E—01
800	2.26E+01	7.57E+01	4.70E—03	2.11E—06	1.28E+00	4.23E—01

D—172; LAT—40, LON—45; LT—24; *F*—150; $F\Delta V$—150; A_p—100; UT1—21

80	5.41E—04	1.02E—03	2.08E+01	9.37E—01	1.35E—05	7.83E+01
90	6.04E—04	2.54E—01	2.02E+01	9.21E—01	8.41E—05	7.86E+01
100	9.60E—04	2.81E+00	1.80E+01	8.14E—01	1.30E—04	7.84E+01

Продолжение табл. 27

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
110	2.37E -03	8.15E+00	1.35E+01	6.01E—01	2.67E—04	7.77E+01
120	5.02E—03	1.40E+01	9.31E+00	4.31E—01	4.29E—04	7.63E+01
130	5.53E—03	1.83E+01	7.10E+00	3.32E—01	4.74E—04	7.43E+01
140	6.17E—03	2.15E+01	6.06E+00	2.67E -01	4.50E—04	7.21E+01
150	8.44E—03	2.43E+01	5.44E+00	2.20E—01	4.21E—04	7.00E+01
160	1.16E—02	2.70E+01	4.98E+00	1.83E—01	4.12E—04	6.78E+01
170	1.56E—02	2.96E+01	4.58E+00	1.53E—01	4.28E—04	6.57E+01
180	2.05E—02	3.22E+01	4.21E+00	1.28E—01	4.71E—04	6.34E+01
190	2.64E—02	3.48E+01	3.88E+00	1.08E 01	5.43E—04	6.11E+01
200	3.35E—02	3.76E+01	3.56E+00	9.06E—02	6.45E 04	5.88E+01
210	4.21E—02	4.03E+01	3.27E+00	7.61E—02	7.83E—04	5.63E+01
220	5.24E—02	4.32E+01	2.98E+00	6.38E—02	9.63E—04	5.37E+01
230	6.47E—02	4.61E+01	2.72E+00	5.33E—02	1.19E—03	5.11E+01
240	7.93E—02	4.90E+01	2.47E+00	4.45E—02	1.48E—03	4.84E+01
250	9.66E—02	5.20E+01	2.23E+00	3.70E—02	1.83E—03	4.57E+01
260	1.17E—01	5.49E+01	2.01E+00	3.07E—02	2.27E -03	4.29E+01
270	1.41E—01	5.78E+01	1.81E+00	2.54E—02	2.80E—03	4.02E+01
280	1.68E -01	6.07E+01	1.62E+00	2.09E—02	3.44E—03	3.75E+01
290	2.00E—01	6.35E+01	1.44E+00	1.72E—02	4.22E—03	3.49E+01
300	2.37E—01	6.62E+01	1.28E+00	1.41E—02	5.14E—03	3.23E+01
310	2.83E—01	6.84E+01	1.15E+00	1.16E—02	6.32E—03	3.01E+01
320	3.31E—01	7.10E+01	1.02E+00	9.46E—03	7.63E—03	2.77E+01
330	3.87E—01	7.34E+01	8.93E—01	7.68E—03	9.17E—03	2.53E+01
340	4.50E—01	7.56E+01	7.83E—01	6.21E—03	1.10E—02	2.31E+01
350	5.22E—01	7.77E+01	6.85E—01	5.02E—03	1.31E—02	2.11E+01
360	6.03E—01	7.96E+01	5.98E—01	4.04E—03	1.56E—02	1.92E+01
370	6.95E—01	8.14E+01	5.21E—01	3.25E—03	1.86E—02	1.74E+01
380	7.98E—01	8.30E+01	4.53E—01	2.61E—03	2.20E—02	1.57E+01
390	9.15E—01	8.45E+01	3.94E—01	2.09E—03	2.60E—02	1.42E+01
400	1.05E+00	8.58E+01	3.41E—01	1.68E 03	3.06E -02	1.28E+01
410	1.19E+00	8.69E+01	2.95E- 01	1.34E -03	3.60E—02	1.15E+01
420	1.36E+00	8.80E+01	2.55E—01	1.07E—03	4.22E -02	1.04E+01
430	1.54E+00	8.89E+01	2.21E—01	8.57E 04	4.93E—02	9.32E+00
440	1.75E+00	8.96E+01	1.90E 01	6.84E—04	5.76E—02	8.36E+00
450	1.98E+00	9.03E+01	1.64E—01	5.45E 04	6.72E—02	7.49E+00
460	2.24E+00	9.08E+01	1.41E 01	4.34E—04	7.82E—02	6.71E+00
470	2.53E+00	9.13E+01	1.22E—01	3.46E—04	9.08E—02	6.00E+00
480	2.85E+00	9.16E+01	1.05E—01	2.75E—04	1.05E—01	5.36E+00
490	3.21E+00	9.18E+01	8.98E—02	2.19E-04	1.22E—01	4.79E+00
500	3.60E+00	9.19E+01	7.71E—02	1.74E 04	1.41E -01	4.27E+00
510	4.04E+00	9.19E+01	6.62E—02	1.38E—04	1.63E -01	3.81E+00
520	4.53E+00	9.18E+01	5.68E—02	1.10E—04	1.88E—01	3.39E+00
530	5.07E+00	9.16E+01	4.87E—02	8.74E -05	2.16E -01	3.02E+00
540	5.66E+00	9.14E+01	4.17E—02	6.94E—05	2.48E—01	2.69E+00
550	6.31E+00	9.10E+01	3.57E -02	5.50E -05	2.85E—01	2.39E+00
560	7.03E+00	9.05E+01	3.05E -02	4.37E- 05	3.27E- 01	2.12E+00
570	7.82E+00	8.99E+01	2.61E—02	3.46E— 05	3.74E—01	1.88E+00
580	8.68E+00	8.92E+01	2.23E—02	2.74E—05	4.27E—01	1.67E+00
590	9.63E+00	8.84E+01	1.90E—02	2.17E—05	4.86E—01	1.48E+00
600	1.07E+01	8.75E+01	1.62E—02	1.72E—05	5.54E—01	1.31E+00

Продолжение табл. 27

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
610	1.18E+01	8.64E+01	1.38E—02	1.36E—05	6.29E—01	1.16E+00
620	1.30E+01	8.53E+01	1.17E—02	1.07E—05	7.13E—01	1.02E+00
630	1.43E+01	8.40E+01	9.97E—03	8.46E—06	8.07E—01	9.00E—01
640	1.57E+01	8.26E+01	8.46E—03	6.67E—06	9.11E—01	7.93E—01
650	1.72E+01	8.11E+01	7.16E—03	5.25E—06	1.03E+00	6.97E—01
660	1.88E+01	7.94E+01	6.06E—03	4.13E—06	1.15E+00	6.12E—01
670	2.05E+01	7.76E+01	5.12E—03	3.24E—06	1.29E+00	5.36E—01
680	2.23E+01	7.58E+01	4.32E—03	2.54E—06	1.45E+00	4.69E—01
690	2.42E+01	7.37E+01	3.63E—03	1.99E—06	1.61E+00	4.09E—01
700	2.62E+01	7.16E+01	3.05E—03	1.55E—06	1.80E+00	3.56E—01
710	2.83E+01	6.94E+01	2.56E—03	1.21E—06	1.99E+00	3.10E—01
720	3.05E+01	6.70E+01	2.14E—03	9.43E—07	2.20E+00	2.68E—01
730	3.27E+01	6.46E+01	1.79E—03	7.32E—07	2.43E+00	2.32E—01
740	3.50E+01	6.21E+01	1.49E—03	5.68E—07	2.67E+00	2.01E—01
750	3.74E+01	5.95E+01	1.24E—03	4.39E—07	2.93E+00	1.73E—01
760	3.98E+01	5.69E+01	1.02E—03	3.39E—07	3.20E+00	1.48E—01
770	4.22E+01	5.42E+01	8.47E—04	2.61E—07	3.48E+00	1.27E—01
780	4.46E+01	5.15E+01	6.99E—04	2.01E—07	3.78E+00	1.09E—01
790	4.70E+01	4.88E+01	5.75E—04	1.54E—07	4.09E+00	9.26E—02
800	4.93E+01	4.62E+01	4.72E—04	1.18E—07	4.41E+00	7.87E—02

Таблица 28

Суточные вариации состава при средней солнечной активности на средних широтах южного полушария (высокая магнитная активность)

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
D—172; LAT— 40; LON 45; LT—6; *F*—150; $\overline{F}\Delta V$—150; A_p—100; UTI—3						
80	5.46E—04	1.35E—03	2.09E+01	9.29E—01	1.58E—05	7.82E+01
90	6.04E—04	3.48E—01	2.06E+01	9.07E—01	1.02E—04	7.82E+01
100	9.43E—04	3.90E+00	1.89E+01	7.83E—01	1.65E—04	7.64E+01
110	2.53E—03	1.16E+01	1.52E+01	5.38E—01	3.93E—04	7.27E+01
120	7.12E—03	1.94E+01	1.20E+01	3.72E—01	6.58E—04	6.83E+01
130	2.07E—02	2.55E+01	9.92E+00	2.76E—01	7.39E—04	6.43E+01
140	4.49E—02	3.07E+01	8.53E+00	2.10E—01	7.53E—04	6.05E+01
150	6.94E—02	3.55E+01	7.47E+00	1.63E—01	7.60E—04	5.68E+01
160	9.67E—02	4.01E+01	6.57E+00	1.28E—01	7.91E—04	5.31E+01
170	1.29E—01	4.46E+01	5.78E+00	1.00E—01	8.62E—04	4.94E+01
180	1.68E—01	4.90E+01	5.07E+00	7.91E—02	9.78E—04	4.57E+01
190	2.15E—01	5.32E+01	4.43E+00	6.24E—02	1.15E—03	4.21E+01
200	2.70E—01	5.72E+01	3.86E+00	4.91E—02	1.38E—03	3.86E+01

Продолжение табл. 28

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	3.34E—01	6.10E+01	3.36E+00	3.87E—02	1.67E—03	3.53E+01
220	4.10E—01	6.46E+01	2.91E+00	3.04E—02	2.05E—03	3.21E+01
230	4.98E—01	6.79E+01	2.51E+00	2.38E—02	2.52E—03	2.91E+01
240	6.01E—01	7.10E+01	2.16E+00	1.86E—02	3.09E—03	2.62E+01
250	7.19E—01	7.38E+01	1.85E+00	1.45E—02	3.79E—03	2.36E+01
260	8.55E—01	7.64E+01	1.59E+00	1.13E—02	4.64E—03	2.11E+01
270	1.01E+00	7.87E+01	1.35E+00	8.81E—03	5.66E—03	1.89E+01
280	1.19E+00	8.08E+01	1.15E+00	6.83E—03	6.89E—03	1.68E+01
290	1.40E+00	8.26E+01	9.78E—01	5.29E—03	8.34E—03	1.50E+01
300	1.63E+00	8.42E+01	8.29E—01	4.09E—03	1.01E—02	1.33E+01
310	1.89E+00	8.57E+01	6.97E—01	3.14E—03	1.21E—02	1.17E+01
320	2.20E+00	8.68E+01	5.89E—01	2.43E—03	1.45E—02	1.04E+01
330	2.55E+00	8.78E+01	4.97E—01	1.87E—03	1.73E—02	9.14E+00
340	2.94E+00	8.86E+01	4.19E—01	1.44E—03	2.07E—02	8.06E+00
350	3.39E+00	8.91E+01	3.53E—01	1.11E—03	2.47E—02	7.09E+00
360	3.89E+00	8.96E+01	2.96E—01	8.51E—04	2.93E—02	6.23E+00
370	4.46E+00	8.98E+01	2.48E—01	6.53E—04	3.48E—02	5.46E+00
380	5.10E+00	8.99E+01	2.08E—01	5.01E—04	4.11E—02	4.78E+00
390	5.82E+00	8.98E+01	1.74E—01	3.84E—04	4.85E—02	4.18E+00
400	6.63E+00	8.95E+01	1.46E—01	2.94E—04	5.70E—02	3.66E+00
410	7.53E+00	8.91E+01	1.22E—01	2.24E—04	6.70E—02	3.19E+00
420	8.53E+00	8.85E+01	1.01E—01	1.71E—04	7.84E—02	2.78E+00
430	9.64E+00	8.78E+01	8.43E—02	1.31E—04	9.16E—02	2.41E+00
440	1.09E+01	8.68E+01	7.01E—02	9.95E—05	1.07E—01	2.10E+00
450	1.22E+01	8.58E+01	5.82E—02	7.57E—05	1.24E—01	1.82E+00
460	1.37E+01	8.45E+01	4.82E—02	5.75E—05	1.44E—01	1.57E+00
470	1.54E+01	8.31E+01	3.98E—02	4.36E—05	1.66E—01	1.36E+00
480	1.72E+01	8.15E+01	3.29E—02	3.30E—05	1.92E—01	1.17E+00
490	1.91E+01	7.97E+01	2.71E—02	2.50E—05	2.20E—01	1.01E+00
500	2.12E+01	7.77E+01	2.23E—02	1.88E—05	2.52E—01	8.63E—01
510	2.34E+01	7.56E+01	1.82E—02	1.42E—05	2.88E—01	7.38E—01
520	2.58E+01	7.33E+01	1.49E—02	1.06E—05	3.27E—01	6.30E—01
530	2.83E+01	7.08E+01	1.22E—02	7.97E—06	3.71E—01	5.36E—01
540	3.09E+01	6.82E+01	9.89E—03	5.96E—06	4.19E—01	4.55E—01
550	3.37E+01	6.54E+01	8.02E—03	4.44E—06	4.71E—01	3.84E—01
560	3.66E+01	6.26E+01	6.48E—03	3.30E—06	5.27E—01	3.24E—01
570	3.95E+01	5.96E+01	5.22E—03	2.44E—06	5.88E—01	2.72E—01
580	4.25E+01	5.66E+01	4.19E—03	1.80E—06	6.53E—01	2.28E—01
590	4.56E+01	5.35E+01	3.35E—03	1.33E—06	7.22E—01	1.90E—01
600	4.86E+01	5.04E+01	2.68E—03	9.74E—07	7.95E—01	1.58E—01
610	5.17E+01	4.73E+01	2.13E—03	7.13E—07	8.72E—01	1.31E—01
620	5.47E+01	4.42E+01	1.69E—03	5.20E—07	9.52E—01	1.08E—01
630	5.77E+01	4.12E+01	1.33E—03	3.78E—07	1.04E+00	8.90E—02
640	6.06E+01	3.82E+01	1.05E—03	2.74E—07	1.12E+00	7.30E—02
650	6.34E+01	3.54E+01	8.23E—04	1.98E—07	1.21E+00	5.97E—02
660	6.60E+01	3.26E+01	6.44E—04	1.43E—07	1.30E+00	4.87E—02
670	6.86E+01	3.00E+01	5.03E—04	1.03E—07	1.39E+00	3.96E—02
680	7.10E+01	2.75E+01	3.92E—04	7.39E—08	1.49E+00	3.21E—02
690	7.33E+01	2.51E+01	3.04E—04	5.30E—08	1.58E+00	2.60E—02
700	7.54E+01	2.29E+01	2.36E—04	3.79E—08	1.68E+00	2.10E—02

Продолжение табл. 28

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
710	7.74E+01	2.08E+01	1.83E—04	2.70E—08	1.77E+00	1.69E—02
720	7.92E+01	1.89E+01	1.41E—04	1.93E—08	1.87E+00	1.36E—02
730	8.09E+01	1.71E+01	1.09E—04	1.37E—08	1.97E+00	1.09E—02
740	8.25E+01	1.55E+01	8.38E—05	9.76E—09	2.07E+00	8.76E—03
750	8.39E+01	1.39E+01	6.45E—05	6.93E—09	2.17E+00	7.01E—03
760	8.52E+01	1.26E+01	4.96E—05	4.92E—09	2.27E+00	5.61E—03
770	8.63E+01	1.13E+01	3.81E—05	3.49E—09	2.37E+00	4.48E—03
780	8.74E+01	1.02E+01	2.92E—05	2.48E—09	2.47E+00	3.58E—03
790	8.83E+01	9.13E+00	2.24E—05	1.75E—09	2.57E+00	2.85E—03
800	8.91E+01	8.19E+00	1.72E—05	1.24E—09	2.67E+00	2.28E—03
D—172; LAT—-40; LON—45; LT—12; *F*—150; $\overline{F}\Delta V$—150; A_p—100; UT1—9						
80	5.45E—04	1.31E—03	2.08E+01	8.91E—01	1.54E—05	7.83E+01
90	6.08E—04	3.36E—01	2.04E+01	8.45E—01	1.00E—04	7.84E+01
100	9.49E—04	3.79E+00	1.84E+01	7.03E—01	1.59E—04	7.71E+01
110	2.40E—03	1.11E+01	1.43E+01	4.70E—01	3.48E—04	7.41E+01
120	6.18E—03	1.88E+01	1.05E+01	3.05E—01	5.68E—04	7.04E+01
130	1.48E—02	2.49E+01	8.28E+00	2.11E—01	6.54E—04	6.66E+01
140	2.81E—02	2.99E+01	7.01E+00	1.52E—01	6.67E—04	6.29E+01
150	4.22E—02	3.44E+01	6.14E+00	1.13E—01	6.67E—04	5.93E+01
160	5.85E—02	3.86E+01	5.44E+00	8.74E—02	6.85E—04	5.58E+01
170	7.76E—02	4.26E+01	4.84E+00	6.87E—02	7.35E—04	5.24E+01
180	1.00E—01	4.65E+01	4.31E+00	5.47E—02	8.20E—04	4.90E+01
190	1.26E—01	5.02E+01	3.84E+00	4.40E—02	9.44E—04	4.57E+01
200	1.57E—01	5.38E+01	3.41E+00	3.56E—02	1.11E—03	4.26E+01
210	1.92E—01	5.72E+01	3.03E+00	2.88E—02	1.33E—03	3.95E+01
220	2.32E—01	6.05E+01	2.69E+00	2.34E—02	1.60E—03	3.66E+01
230	2.78E—01	6.35E+01	2.38E+00	1.90E—02	1.92E—03	3.38E+01
240	3.31E—01	6.64E+01	2.10E+00	1.55E—02	2.32E—03	3.11E+01
250	3.90E—01	6.92E+01	1.85E+00	1.26E—02	2.79E—03	2.86E+01
260	4.58E—01	7.17E+01	1.63E+00	1.02E—02	3.35E—03	2.62E+01
270	5.34E—01	7.40E+01	1.44E+00	8.29E—03	4.01E—03	2.40E+01
280	6.20E—01	7.62E+01	1.26E+00	6.72E—03	4.78E—03	2.19E+01
290	7.16E—01	7.82E+01	1.10E+00	5.44E—03	5.68E—03	2.00E+01
300	8.25E—01	8.00E+01	9.65E—01	4.41E—03	6.72E—03	1.82E+01
310	9.44E—01	8.18E+01	8.41E—01	3.55E—03	7.91E—03	1.64E+01
320	1.08E+00	8.33E+01	7.34E—01	2.87E—03	9.32E—03	1.49E+01
330	1.23E+00	8.46E+01	6.40E—01	2.32E—03	1.09E—02	1.35E+01
340	1.40E+00	8.58E+01	5.57E—01	1.87E—03	1.28E—02	1.22E+01
350	1.59E+00	8.69E+01	4.85E—01	1.51E—03	1.49E—02	1.10E+01
360	1.80E+00	8.78E+01	4.21E—01	1.21E—03	1.74E—02	9.96E+00
370	2.04E+00	8.86E+01	3.66E—01	9.78E—04	2.02E—02	8.98E+00
380	2.30E+00	8.93E+01	3.17E—01	7.87E—04	2.35E—02	8.09E+00
390	2.59E+00	8.98E+01	2.75E—01	6.33E—04	2.72E—02	7.27E+00
400	2.91E+00	9.03E+01	2.38E—01	5.09E—04	3.14E—02	6.54E+00

Продолжение табл. 28

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	3.26E+00	9.06E+01	2.06E—01	4.09E—04	3.63E—02	5.87E+00
420	3.65E+00	9.09E+01	1.78E—01	3.28E—04	4.18E—02	5.27E+00
430	4.09E+00	9.10E+01	1.54E—01	2.64E—04	4.80E—02	4.73E+00
440	4.57E+00	9.10E+01	1.33E—01	2.12E—04	5.51E—02	4.23E+00
450	5.09E+00	9.09E+01	1.15E—01	1.70E—04	6.32E—02	3.79E+00
460	5.67E+00	9.08E+01	9.90E—02	1.36E—04	7.23E—02	3.39E+00
470	6.31E+00	9.05E+01	8.54E—02	1.09E—04	8.26E—02	3.03E+00
480	7.00E+00	9.01E+01	7.35E—02	8.74E—05	9.43E—02	2.71E+00
490	7.76E+00	8.96E+01	6.33E—02	7.00E—05	1.07E—01	2.42E+00
500	8.59E+00	8.91E+01	5.44E—02	5.60E—05	1.22E—01	2.16E+00
510	9.50E+00	8.84E+01	4.68E—02	4.48E—05	1.39E—01	1.92E+00
520	1.05E+01	8.76E+01	4.02E—02	3.58E—05	1.57E—01	1.71E+00
530	1.16E+01	8.67E+01	3.45E—02	2.86E—05	1.78E—01	1.52E+00
540	1.27E+01	8.57E+01	2.96E—02	2.29E—05	2.01E—01	1.35E+00
550	1.40E+01	8.46E+01	2.53E—02	1.82E—05	2.27E—01	1.20E+00
560	1.53E+01	8.34E+01	2.17E—02	1.45E—05	2.55E—01	1.06E+00
570	1.67E+01	8.20E+01	1.85E—02	1.16E—05	2.87E—01	9.40E—01
580	1.83E+01	8.06E+01	1.58E—02	9.20E—06	3.21E—01	8.30E—01
590	1.99E+01	7.90E+01	1.34E—02	7.31E—06	3.59E—01	7.33E—01
600	2.16E+01	7.73E+01	1.14E—02	5.80E—06	4.01E—01	6.46E—01
610	2.34E+01	7.55E+01	9.72E—03	4.59E—06	4.46E—01	5.68E—01
620	2.54E+01	7.36E+01	8.25E—03	3.63E—06	4.96E—01	4.99E—01
630	2.74E+01	7.16E+01	6.98E—03	2.87E—06	5.49E—01	4.37E—01
640	2.95E+01	6.95E+01	5.90E—03	2.26E—06	6.07E—01	3.83E—01
650	3.17E+01	6.73E+01	4.98E—03	1.78E—06	6.69E—01	3.34E—01
660	3.39E+01	6.50E+01	4.19E—03	1.40E—06	7.35E—01	2.91E—01
670	3.62E+01	6.27E+01	3.52E—03	1.10E—06	8.06E—01	2.53E—01
680	3.86E+01	6.03E+01	2.95E—03	8.61E—07	8.81E—01	2.20E—01
690	4.10E+01	5.78E+01	2.47E—03	6.73E—07	9.60E—01	1.90E—01
700	4.35E+01	5.53E+01	2.06E—03	5.25E—07	1.04E+00	1.64E—01
710	4.59E+01	5.28E+01	1.72E—03	4.09E—07	1.13E+00	1.42E—01
720	4.84E+01	5.03E+01	1.43E—03	3.18E—07	1.22E+00	1.22E—01
730	5.08E+01	4.77E+01	1.19E—03	2.46E—07	1.32E+00	1.05E—01
740	5.33E+01	4.52E+01	9.83E—04	1.91E—07	1.42E+00	8.96E—02
750	5.57E+01	4.27E+01	8.12E—04	1.47E—07	1.52E+00	7.66E—02
760	5.80E+01	4.03E+01	6.70E—04	1.14E—07	1.62E+00	6.53E—02
770	6.03E+01	3.79E+01	5.51E—04	8.76E—08	1.73E+00	5.56E—02
780	6.26E+01	3.56E+01	4.53E—04	6.73E—08	1.84E+00	4.72E—02
790	6.47E+01	3.33E+01	3.72E—04	5.17E—08	1.95E+00	4.00E—02
800	6.68E+01	3.11E+01	3.04E—04	3.96E—08	2.06E+00	3.39E—02

D—172; LAT— —40; LON—45; LT—18; *F*—150; |Δ*V*—150; A_p—100; UTI—15

80	5.46E—04	1.32E—03	2.09E+01	8.89E—01	1.55E—05	7.82E+01
90	6.05E—04	3.38E—01	2.05E+01	8.44E—01	9.95E—05	7.83E+01
100	9.45E—04	3.79E+00	1.87E+01	7.00E—01	1.60E—04	7.68E+01

Продолжение табл. 28

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H_2/S, %	N_2/S, %
110	2.51E—03	1.12E+01	1.50E+01	4.56E—01	3.77E—04	7.33E+01
120	6.41E—03	1.88E+01	1.15E+01	2.96E—01	6.24E 04	6.93E+01
130	1.35E—02	2.48E+01	9.44E+00	2.05E—01	6.94E—04	6.56E+01
140	2.39E—02	2.97E+01	8.11E+00	1.48E- 01	6.99E—04	6.20E+01
150	3.54E—02	3.43E+01	7.14E+00	1.11E—01	6.96E—04	5.85E+01
160	4.90E—02	3.86E+01	6.33E+00	8.50E—02	7.15E—04	5.50E+01
170	6.51E—02	4.27E+01	5.63E+00	6.66E—02	7.67E—04	5.16E+01
180	8.42E—02	4.66E+01	5.01E+00	5.30E—02	8.57E—04	4.82E+01
190	1.06E—01	5.04E+01	4.45E+00	4.25E—02	9.90E—04	4.50E+01
200	1.32E—01	5.41E+01	3.95E+00	3.43E—02	1.17E—03	4.18E+01
210	1.62E—01	5.75E+01	3.51E+00	2.77E—02	1.40E—03	3.88E+01
220	1.96E—01	6.08E+01	3.11E+00	2.25E—02	1.68E—03	3.59E+01
230	2.35E—01	6.39E+01	2.75E+00	1.82E—02	2.03E—03	3.31E+01
240	2.80E 01	6.68E+01	2.42E+00	1.48E- 02	2.45E—03	3.04E+01
250	3.31E—01	6.96E+01	2.14E+00	1.20E—02	2.95E—03	2.79E+01
260	3.88E—01	7.21E—01	**1.88E+00**	9.74E—03	3.54E—03	2.56E+01
270	4.53E—01	7.45E+01	1.65E+00	7.90E—03	4.23E—03	2.34E+01
280	5.25E—01	7.67E+01	1.45E+00	6.40E—03	5.05E—03	2.14E+01
290	6.07E—01	7.87E+01	1.27E+00	5.18E—03	6.00E 03	1.95E+01
300	6.99E—01	8.05E+01	1.11E+00	4.19E—03	7.10E—03	1.77E+01
310	7.99E—01	8.22E+01	9.65E—01	3.38E—03	8.35E—03	1.60E+01
320	9.15E—01	8.37E+01	8.43E—01	2.73E—03	9.83E—03	1.45E+01
330	1.04E+00	8.50E+01	7.35E—01	2.21E—03	1.15E—02	1.32E+01
340	1.19E+00	8.62E+01	6.40E—01	1.78E—03	1.35E—02	1.19E+01
350	1.35E+00	8.73E+01	5.57E—01	1.44E—03	1.58E—02	1.08E+01
360	1.53E+00	8.83E+01	4.84E—01	1.16E—03	1.83E—02	9.72E+00
370	1.72E+00	8.91E+01	4.21E—01	9.33E—04	2.13E—02	8.76E+00
380	1.94E+00	8.98E+01	3.65E—01	7.52E—04	2.47E—02	7.90E+00
390	2.19E+00	9.04E+01	3.17E—01	6.05E—04	2.86E—02	7.11E+00
400	2.46E+00	9.08E+01	2.75E—01	4.87E—04	3.31E—02	6.39E+00
410	2.76E+00	9.12E+01	2.38E—01	3.92E—04	3.82E—02	5.75E+00
420	3.09E+00	9.15E+01	2.06E—01	3.15E—04	4.39E—02	5.16E+00
430	3.46E+00	9.17E+01	1.78E—01	2.54E—04	5.05E—02	4.63E+00
440	3.86E+00	9.18E+01	1.54E—01	2.04E—04	5.80E—02	4.16E+00
450	4.31E+00	9.18E+01	1.33E—01	1.64E—04	6.65E—02	3.73E+00
460	4.80E+00	9.17E+01	1.15E—01	1.32E—04	7.61E—02	3.34E+00
470	5.34E+00	9.15E+01	9.94E—02	1.06E—04	8.70E- 02	2.99E+00
480	5.93E+00	9.12E+01	8.58E—02	8.50E—05	9.93E—02	2.68E+00
490	6.58E+00	9.08E+01	7.40E—02	6.82E—05	1.13E—01	2.39E+00
500	7.29E+00	9.04E+01	6.38E—02	5.47E—05	1.29E—01	2.14E+00
510	8.07E+00	8.98E+01	5.49E—02	4.39E—05	1.46E—01	1.91E+00
520	8.91E+00	8.92E+01	4.73E—02	3.52E—05	1.66E—01	1.70E+00
530	9.83E+00	8.84E+01	4.07E—02	2.82E—05	1.88E -01	1.52E+00
540	1.08E+01	8.76E+01	3.50E—02	2.26E—05	2.13E—01	1.35E+00
550	1.19E+01	8.66E+01	3.00E—02	1.81E- 05	2.40E—01	1.20E+00
560	1.31E+01	8.56E+01	2.58E—02	1.45E—05	2.71E—01	1.07E+00
570	1.43E+01	8.44E+01	2.21E—02	1.15E—05	3.05E—01	9.49E—01
580	1.57E+01	8.31E+01	1.89E—02	9.22E—06	3.42E—01	8.41E—01
590	1.71E+01	8.17E+01	1.62E—02	7.35E—06	3.84E -01	7.45E—01
600	1.87E+01	8.02E+01	1.38E—02	5.86E—06	4.29E—01	6.59E—01

Продолжение табл. 28

z, км	He/S, %	O/S, %	O_2S, %	Ar/S, %	H/S, %	N_2/S, %
610	2.03E+01	7.86E+01	1.18E—02	4.66E—06	4.79E—01	5.82E—01
620	2.20E+01	7.69E+01	1.00E—02	3.71E—06	5.34E—01	5.13E—01
630	2.38E+01	7.51E+01	8.54E—03	2.94E—06	5.93E—01	4.52E—01
640	2.58E+01	7.32E+01	7.25E—03	2.33E—06	6.58E—01	3.97E—01
650	2.78E+01	7.12E+01	6.15E—03	1.85E—06	7.27E—01	3.48E—01
660	2.98E+01	6.90E+01	5.20E—03	1.46E—06	8.02E—01	3.05E—01
670	3.20E+01	6.68E+01	4.39E—03	1.15E—06	8.82E—01	2.67E—01
680	3.42E+01	6.46E+01	3.71E—03	9.07E—07	9.68E—01	2.33E—01
690	3.65E+01	6.22E+01	3.12E—03	7.13E—07	1.06E+00	2.02E—01
700	3.89E+01	5.98E+01	2.62E—03	5.59E—07	1.16E+00	1.76E—01
710	4.12E+01	5.74E+01	2.19E—03	4.38E—07	1.26E+00	1.52E—01
720	4.36E+01	5.49E+01	1.83E—03	3.43E—07	1.37E+00	1.32E—01
730	4.60E+01	5.24E+01	1.53E—03	2.67E—07	1.48E+00	1.14E—01
740	4.84E+01	4.99E+01	1.28E—03	2.08E—07	1.59E+00	9.79E—02
750	5.09E+01	4.73E+01	1.06E—03	1.62E—07	1.72E+00	8.42E—02
760	5.32E+01	4.49E+01	8.79E—04	1.26E—07	1.84E+00	7.22E—02
770	5.56E+01	4.24E+01	7.28E—04	9.74E—08	1.97E+00	6.17E—02
780	5.79E+01	4.00E+01	6.01E—04	7.53E—08	2.10E+00	5.27E—02
790	6.01E+01	3.76E+01	4.96E—04	5.81E—08	2.24E+00	4.49E—02
800	6.23E+01	3.53E+01	4.08E—04	4.48E—08	2.38E+00	3.82E—02

D—172; LAT— —40; LON—45; LT—24; *F*—150; $\overline{F}\Delta V$—150; A_p—100; UT1—21

80	5.45E—04	1.34E—03	2.08E+01	8.99E—01	1.57E—05	7.83E+01
90	6.08E—04	3.45E—01	2.04E+01	8.58E—01	1.02E—04	7.84E+01
100	9.49E—04	3.90E+00	1.84E+01	7.18E—01	1.63E—04	7.70E+01
110	2.41E—03	1.15E+01	1.42E+01	4.83E—01	3.63E—04	7.38E+01
120	6.48E—03	1.95E+01	1.04E+01	3.13E—01	6.11E—04	6.98E+01
130	1.71E—02	2.60E+01	8.10E+00	2.16E—01	7.21E—04	6.56E+01
140	3.47E—02	3.14E+01	6.80E+00	1.56E—01	7.48E—04	6.16E+01
150	5.30E—02	3.63E+01	5.90E+00	1.16E—01	7.59E—04	5.77E+01
160	7.38E—02	4.09E+01	5.18E+00	8.85E—02	7.91E—04	5.38E+01
170	9.84E—02	4.52E+01	4.55E+00	6.86E—02	8.58E—04	5.00E+01
180	1.28E—01	4.95E+01	4.00E+00	5.38E—02	9.68E—04	4.64E+01
190	1.62E—01	5.35E+01	3.51E+00	4.24E—02	1.13E—03	4.28E+01
200	2.02E—01	5.73E+01	3.07E+00	3.36E—02	1.34E—03	3.94E+01
210	2.49E—01	6.10E+01	2.69E+00	2.66E—02	1.62E—03	3.61E+01
220	3.03E—01	6.44E+01	2.34E+00	2.11E—02	1.97E—03	3.30E+01
230	3.66E—01	6.76E+01	2.03E+00	1.67E—02	2.40E—03	3.00E+01
240	4.39E—01	7.06E+01	1.76E+00	1.32E—02	2.92E—03	2.72E+01
250	5.22E—01	7.33E+01	1.53E+00	1.04E—02	3.56E—03	2.46E+01
260	6.17E—01	7.58E+01	1.32E+00	8.25E—03	4.32E—03	2.22E+01
270	7.26E—01	7.81E+01	1.13E+00	6.50E—03	5.23E—03	2.00E+01
280	8.50E—01	8.02E+01	9.74E—01	5.12E—03	6.31E—03	1.80E+01
290	9.91E—01	8.21E+01	8.36E—01	4.02E—03	7.59E—03	1.61E+01
300	1.15E+00	8.37E+01	7.16E—01	3.16E—03	9.10E—03	1.44E+01

Продолжение табл. 28

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
310	1.33E+00	8.52E+01	6.09E−01	2.46E−03	1.08E−02	1.28E+01
320	1.53E+00	8.65E+01	5.20E−01	1.93E−03	1.29E−02	1.14E+01
330	1.77E+00	8.76E+01	4.44E−01	1.51E−03	1.54E−02	1.02E+01
340	2.03E+00	8.85E+01	3.78E−01	1.18E−03	1.82E−02	9.04E+00
350	2.33E+00	8.93E+01	3.22E−01	9.24E−04	2.16E−02	8.02E+00
360	2.66E+00	8.99E+01	2.74E−01	7.22E−04	2.55E−02	7.11E+00
370	3.04E+00	9.04E+01	2.32E−01	5.63E−04	3.00E−02	6.30E+00
380	3.46E+00	9.07E+01	1.97E−01	4.39E−04	3.53E−02	5.57E+00
390	3.94E+00	9.09E+01	1.67E−01	3.42E−04	4.14E−02	4.93E+00
400	4.46E+00	9.10E+01	1.41E−01	2.66E−04	4.84E−02	4.35E+00
410	5.06E+00	9.09E+01	1.19E−01	2.07E−04	5.66E−02	3.83E+00
420	5.72E+00	9.07E+01	1.01E−01	1.61E−04	6.60E−02	3.38E+00
430	6.45E+00	9.04E+01	8.53E−02	1.25E−04	7.68E−02	2.97E+00
440	7.26E+00	9.00E+01	7.19E−02	9.73E−05	8.92E−02	2.61E+00
450	8.17E+00	8.94E+01	6.06E−02	7.55E−05	1.03E−01	2.29E+00
460	9.16E+00	8.87E+01	5.10E−02	5.85E−05	1.20E−01	2.01E+00
470	1.03E+01	8.78E+01	4.29E−02	4.53E−05	1.38E−01	1.76E+00
480	1.15E+01	8.68E+01	3.60E−02	3.51E−05	1.59E−01	1.54E+00
490	1.28E+01	8.57E+01	3.02E−02	2.71E−05	1.83E−01	1.35E+00
500	1.42E+01	8.44E+01	2.53E−02	2.09E−05	2.10E−01	1.17E+00
510	1.58E+01	8.29E+01	2.11E−02	1.62E−05	2.40E−01	1.02E+00
520	1.75E+01	8.13E+01	1.76E−02	1.24E−05	2.74E−01	8.88E−01
530	1.93E+01	7.96E+01	1.47E−02	9.56E−06	3.12E−01	7.71E−01
540	2.12E+01	7.77E+01	1.22E−02	7.34E−06	3.54E−01	6.67E−01
550	2.33E+01	7.57E+01	1.01E−02	5.62E−06	4.00E−01	5.76E−01
560	2.55E+01	7.35E+01	8.40E−03	4.30E−06	4.51E−01	4.97E−01
570	2.79E+01	7.12E+01	6.94E−03	3.28E−06	5.08E−01	4.27E−01
580	3.03E+01	6.88E+01	5.72E−03	2.50E−06	5.69E−01	3.66E−01
590	3.28E+01	6.62E+01	4.70E−03	1.90E−06	6.35E−01	3.13E−01
600	3.55E+01	6.35E+01	3.86E−03	1.44E−06	7.07E−01	2.67E−01
610	3.82E+01	6.08E+01	3.15E−03	1.09E−06	7.83E−01	2.27E−01
620	4.10E+01	5.80E+01	2.57E−03	8.19E−07	8.65E−01	1.92E−01
630	4.38E+01	5.51E+01	2.09E−03	6.16E−07	9.52E−01	1.63E−01
640	4.66E+01	5.22E+01	1.69E−03	4.62E−07	1.04E+00	1.37E−01
650	4.95E+01	4.93E+01	1.37E−03	3.45E−07	1.14E+00	1.15E−01
660	5.23E+01	4.64E+01	1.10E−03	2.58E−07	1.24E+00	9.65E−02
670	5.51E+01	4.35E+01	8.87E−04	1.92E−07	1.35E+00	8.06E−02
680	5.78E+01	4.07E+01	7.11E−04	1.42E−07	1.45E+00	6.72E−02
690	6.05E+01	3.79E+01	5.68E−04	1.05E−07	1.56E+00	5.58E−02
700	6.30E+01	3.52E+01	4.53E−04	7.78E−08	1.68E+00	4.62E−02
710	6.55E+01	3.27E+01	3.61E−04	5.73E−08	1.80E+00	3.82E−02
720	6.79E+01	3.02E+01	2.86E−04	4.21E−08	1.91E+00	3.15E−02
730	7.01E+01	2.78E+01	2.27E−04	3.09E−08	2.03E+00	2.59E−02
740	7.22E+01	2.56E+01	1.79E−04	2.27E−08	2.16E+00	2.13E−02
750	7.42E+01	2.35E+01	1.41E−04	1.66E−08	2.28E+00	1.74E−02
760	7.61E+01	2.15E+01	1.11E−04	1.21E−08	2.40E+00	1.43E−02
770	7.78E+01	1.96E+01	8.75E−05	8.83E−09	2.53E+00	1.16E−02
780	7.94E+01	1.79E+01	6.87E−05	6.44E−09	2.65E+00	9.49E−03
790	8.09E+01	1.63E+01	5.39E−05	4.68E−09	2.78E+00	7.72E−03
800	8.22E+01	1.48E+01	4.22E−05	3.41E−09	2.91E+00	6.28E−03

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