ГОСУДАРСТВЕННЫЙ СТАНДАРТ
СОЮЗА ССР

АТМОСФЕРА ЗЕМЛИ ВЕРХНЯЯ

МОДЕЛЬ ХИМИЧЕСКОГО СОСТАВА

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ГОСУДАРСТВЕННЫЙ СТАНДАРТ СОЮЗА ССР

АТМОСФЕРА ЗЕМЛИ ВЕРХНЯЯ

Модель химического состава

ГОСТ 25645.154—90

Earth upper atmosphere. Chemical compositi on model

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

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

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

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

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;

UT1 — 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; UT1—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

z км	He/S, %	O/S, %	O_2 S %	Ar S %	H/S %	N 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 60L+01
290	9 94E—01	8 45E+01	5 22E—01	2 04E—03	6 37I —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 46I +00	8 76E+01	3 51E—01	1 10E—03	1 01F—01	1 04L+01
320	1 74E+00	8 89E+01	2 85E—01	8 00E—04	1 26E—01	8 97I +00
330	2 08E+00	8 98F+01	2 31L—01	5 81E—04	1 57L—01	7 68L+00
340	2 47E+00	9 06E+01	1 87E—01	4 21E—04	1 94E—01	6 57I +00
350	2 93E+00	9 11E+01	1 51E—01	3 05E—04	2 40I —01	5 60E+00
360	3 46E+00	9 13E+01	1 22F—01	2 20E—04	2 96E—01	4 77I +00
370	4 08E+00	9 14E+01	9 80E—02	1 59E—04	3 63L—01	4 05E+00
380	4 80E+00	9 12E+01	7 88F—02	1 14F—04	4 44I —01	3 44E+00
390	5 62E+00	9 09E+01	6 32F—02	8 24E—05	5 42L—01	2 91E+00
400	6 56E+00	9 03E+01	5 06E—02	5 92E—05	6 59I —01	2 46L+00
410	7 64E+00	8 94E+01	4 04F—02	4 25E—05	7 99E—01	2 07E+00
420	8 87E+00	8 84F+01	3 22E—02	3 04E—05	9 66I —01	1 74E+00
430	1 03E+01	8 71I +01	2 56E—02	2 17E—05	1 16E+00	1 46E+00
440	1 18E+01	8 55E+01	2 03F—02	1 55E—05	1 39L+00	1 22E+00
450	1 36E+01	8 37E+01	1 61E—02	1 10E—05	1 67I +00	1 02L+00
460	1 55E+01	8 16E+01	1 27E—02	7 82L—06	1 98L+00	8 50E—01
470	1 77E+01	7 93F+01	9 97E—03	5 53F—06	2 35L+00	7 04E—01
480	2 00E+01	7 66E+01	7 80F—03	3 90E—06	2 77F+00	5 81E—01
490	2 25E+01	7 37F+01	6 08E—03	2 73E—06	3 24L+00	4 78E—01
500	2 53I +01	7 03I +01	4 72L—03	1 91F—06	3 78E+00	3 91E—01
510	2 81F+01	6 72F+01	3 65I —03	1 33E—06	4 37I +00	3 18E—01
520	3 11E+01	6 36L+01	2 80F—03	9 21E—07	5 03I +00	2 57E—01
530	3 42E+01	5 98L+01	2 14L—03	6 34E—07	5 75I +00	2 07E—01
540	3 74E+01	5 59E+01	1 63E—03	4 34F—07	6 53I +00	1 66E—01
550	4 05E+01	5 20E+01	1 23F—03	2 96F—07	7 37L+00	1 32E—01
560	4 37E+01	4 80E+01	9 24E—04	2 01L—07	8 25I +00	1 04E—01
570	4 67E+01	4 40E+01	6 90E—04	1 35E—07	9 17F+00	8 21E—02
580	4 97E+01	4 01F+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 51L+01	3 27E+01	2 78E—04	4 01F—08	1 21E+01	3 86E—02
610	5 75E+01	2 93E+01	2 04F—04	2 65E—08	1 31I +01	2 97E—02
620	5 96F+01	2 62E+01	1 48E—04	1 75F—08	1 42L+01	2 27F—02
630	6 16E+01	2 32E+01	1 07L—04	1 14F—08	1 52E+01	1 73E—02
640	6 33E+01	2 05F+01	7 76E—05	7 47E—09	1 62L+01	1 32E—02
650	6 47E+01	1 80F+01	5 59F—05	4 86F—09	1 72E+01	9 97F—03
660	6 60E+01	1 58E+01	4 01F—05	3 16L—09	1 82L+01	7 52E—03
670	6 70I +01	1 38E+01	2 87L—05	2 05I —09	1 92L+01	5 66E—03
680	6 78I +01	1 21I +01	2 05E—05	1 32I —09	2 02E+01	4 25L—03
690	6 84F+01	1 05E+01	1 46F—05	8 55L—10	2 11E+01	3 18E—03
700	6 88F+01	9 10F+00	1 04F—05	5 51L—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—05	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—05	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 35E—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 66E—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—45, LT—12, *F*—70; *F*Δ*V*—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 51F+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/S %	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 %	Ar S, %	H/S %	N_2/S, %
D—1, LAT—80, LON—45, 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 12E—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
490	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 %	O2/S %	Ar/S %	H S	N2 S
510	8 75E+01	1 01E+01	7 70E—05	1 04F—08	2 38E+00	9 08E—03
520	8 90E+01	8 50E+00	5 01F—05	5 96E—09	2 54E+00	6 29F—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 37F—05	1 11F—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 72F—06	3 62E—10	3 38E+00	9 87E—04
580	9 36E+01	2 87E+00	3 71F—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 01F—06	3 86E—11	4 12E+00	2 23E—04
620	9 43E+01	1 37E+00	6 53F—07	2 21E—11	4 32E+00	1 54E—04
630	9 43E+01	1 14E+00	4 23E—07	1 27F—11	4 53F+00	1 06E—04
640	9 43E+01	9 44E—01	2 75F—07	7 27E—12	4 74F+00	7 32E—05
650	9 43E+01	7 84E—01	1 79E—07	4 18E—12	4 96E+00	5 06E—05
660	9 42E+01	6 52E—01	1 16F—07	2 40E 12	5 19F+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 21F—08	4 61F 13	5 92E+00	1 16E—05
700	9 35E+01	3 12E—01	2 10E—08	2 67F—13	6 18E+00	8 06F—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 66F—09	1 02E—14	7 97E+00	9 12E—07
770	9 16E+01	8 67F—02	1 09E—09	5 98E 15	8 30E+00	6 36E—07
780	9 13E+01	7 23E—02	7 16F—10	3 49E -15	8 65E+00	4 44E—07
790	9 09E+01	6 04E—02	4 72F—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 *FAV* — 70 A_p — 3 UT1—9

80	5 42E—04	1 05E—03	2 08E+01	9 39F—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 85F+01	8 15E—01	1 91E—04	7 78E+01
110	2 39E—03	8 51F+00	1 44E+01	5 86E—01	4 60E—04	7 65E+01
120	5 52E—03	1 53E+01	1 04F+01	3 91E—01	9 60E—04	7 39E+01
130	6 46E—03	2 08E+01	8 10E+00	2 83F—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 57F—02	3 31E+01	5 33E+00	1 33E—01	2 03E—03	6 14E+01
170	2 20E 02	3 69F+01	4 75E+00	1 05E 01	2 39E—03	5 82E+01
180	3 00E—02	4 07E+01	4 23F+00	8 37E—02	2 90E—03	5 50E+01
190	4 00E—02	4 44E+01	3 76E+00	6 65F 02	3 61F—03	5 17E+01
200	5 25E—02	4 82E+01	3 33E+00	5 28E 02	4 58F—03	4 84F+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 97F+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 56F—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 85F—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 74F+00
450	4 89E+00	9 18E+01	4 63E—02	5 97E—05	9 41E—01	2 36F+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 72F+01	1 70E—02	1 36E—05	2 19E+00	1 09E+00
510	1 08E+01	8 57E+01	1 38E—02	1 01E—05	2 57E+00	9 [illegible]—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 51F+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 85E—01
590	2 55E+01	6 63E+01	2 40E—03	8 28E—07	8 04E+00	2 38E—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 08F—01
640	3 72E+01	4 87E+01	7 06E—04	1 54E—07	1 39E+01	8 73F—02
650	3 95E+01	4 51E+01	5 45E—04	1 09E—07	1 53E+01	7 06F—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, %	O2/S %	Ar S %	H/S %	N2 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	1.24E−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 /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 17F+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 11F+01	6 20F—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 93F+01	3 73F—02	3 85E—05	3 06E+00	1 97E+00
560	6 29E+00	8 84F+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 58F—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 29F—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, %	O2/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 71E—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

д 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 97L—01	2 17Г+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 73E+00
540	8 25E+00	8 99E+01	2 50L—02	2 77E—05	2 90L—01	1 54E+00
550	9 11E+00	8 92L+01	2 15E—02	2 22E—05	3 29E—01	1 37L+00
560	1 00E+01	8 83E+01	1 84E—02	1 78E—05	3 73E—01	1 22F+00
570	1 11E+01	8 74E+01	1 58E—02	1 42E—05	4 21E—01	1 09Г+00
580	1 22E+01	8 64E+01	1 36E—02	1 13E—05	4 76L—01	9 66I —01
590	1 33E+01	8 52E+01	1 16E—02	9 04E—06	5 36E—01	8 58L—01
600	1 46E+01	8 40E+01	9 95E 03	7 21F—06	6 03Г—01	7 60Г—01
610	1 60E+01	8 27E+01	8 50E 03	5 75E—06	6 77E—01	6 73L—01
620	1 74E+01	8 12F+01	7 26E—03	4 57E—06	7 58L—01	5 95L—01
630	1 90E+01	7 96E+01	6 19E—03	3 63E—06	8 48E—01	5 25F—01
640	2 07E+01	7 79E+01	5 27E—03	2 89E—06	9 46E—01	4 6,F—01
650	2 24E+01	7 61E+01	4 48E—03	2 29F—06	1 05E+00	1 08I —01
660	2 42E+01	7 42E+01	3 80E—03	1 81E—06	1 17E+00	3 58I 01
670	2 62E+01	7 22E+01	3 22E—03	1 43E—06	1 30E+00	3 14I 01
680	2 82E+01	7 01F+01	2 72E—03	1 13L—06	1 43E+00	2 75I —01
690	3 02E+01	6 79E+01	2 30E—03	8 91E—07	1 58E+00	2 10I —01
700	3 24E+01	6 57E+01	1 94E—03	7 01E—07	1 73E+00	2 10L—01
710	3 46E+01	6 33E+01	1 63E—03	5 51L—07	1 90E+00	1 82L—01
720	3 69F+01	6 09E+01	1 37F—03	4 32E—07	2 08E+00	1 58L—01
730	3 92E+01	5 84E+01	1 14E—03	3 38L—07	2 26E+00	1 37L—01
740	4 15E+01	5 59E+01	9 56E—04	2 64F—07	2 46Г+00	1 19E—01
750	4 39E+01	5 34F+01	7 97E—04	2 05E—07	2 67E+00	1 02I —01
760	4 62E+01	5 08E+01	6 64E—04	1 60E—07	2 88E+00	8 80Г 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 47L—02
790	5 31E+01	4 32E+01	3 77L—04	7 43F—08	3 57L+00	5 54F—02
800	5 54E+01	4 08E+01	3 11E—04	5 74E—08	3 82E+00	4 72Г —02

D—1 LAT—40 LON—45 LT—12 *F*—150, *FAV*—150, A_1—3 UT1—9

80	5 41E—04	1 34L—03	2 08E+01	8 79E—01	1 58E—05	7 83L+01
90	6 05E—04	3 47E—01	2 02E+01	8 27E—01	1 05E—04	7 86Г+01
100	9 56L—04	3 94E+00	1 77E+01	6 79E—01	1 74E—04	7 76L+01
110	2 43E—03	1 17E+01	1 28E+01	4 44L—01	3 96E—04	7 50L+01
120	6 77E—03	2 06E+01	8 35E+00	2 69E—01	7 13F—04	7 08E+01
130	1 83F—02	2 78E+01	5 98E+00	1 72E—01	9 04F—04	6 60E+01
140	3 74E—02	3 38E+01	4 81L+00	1 17E—01	9 80L—04	6 12F+01
150	5 77E—02	3 90E+01	4 08E+00	8 29E—02	1 02E—03	5 68F+01
160	8 09E—02	4 39E+01	3 53F+00	6 11I —02	1 09F—03	5 25I +01
170	1 08L—01	1 84E+01	3 07E+00	4 63I —02	1 19I 03	1 84L+01
180	1 40E—01	5 26E+01	2 68F+00	3 56E 02	1 35I 03	4 45E+01
190	1 78E—01	5 66E+01	2 33E+00	2 78E—02	1 58I —03	1 08E +01
200	2 21E—01	6 04L+01	2 03F+00	2 18E—02	1 88I 03	3 73E+01

Продолжение табл. 2

z км	He/S, %	O/S, %	O S %	Ar S %	H/S, %	N/S, %
210	2 72E—01	6 39E+01	1 77E+00	1 71E—02	2 27E—03	3 40E+01
220	3 29E—01	6 72E+01	1 53E+00	1 35E—02	2 74E—03	3 09E+01
230	3 96E—01	7 02E+01	1 33E+00	1 07E—02	3 33E—03	2 81E+01
240	4 71E—01	7 30E+01	1 15E+00	8 45E—03	4 04E—03	2 54E+01
250	5 58E—01	7 55E+01	9 93E—01	6 68E—03	4 89E—03	2 29E+01
260	6 56E—01	7 78E+01	8 56E—01	5 28E—03	5 90E—03	2 07E+01
270	7 68E—01	7 99E+01	7 37E—01	4 17E—03	7 10E—03	1 86E+01
280	8 94E—01	8 18E+01	6 34E—01	3 29E—03	8 51E—03	1 67E+01
290	1 04E+00	8 34E+01	5 45E—01	2 59E—03	1 02E - 02	1 50E+01
300	1 20E+00	8 49E+01	4 67E—01	2 04E—03	1 21E—02	1 34E+01
310	1 37E+00	8 63E+01	3 99E—01	1 60E—03	1 43E—02	1 19E+01
320	1 58E+00	8 74E+01	3 41E—01	1 26E—03	1 70E—02	1 06E+01
330	1 81E+00	8 84E+01	2 92E—01	9 93E—04	2 01E—02	9 49E+00
340	2 07E+00	8 92E+01	2 50E—01	7 81E—04	2 37E—02	8 46E+00
350	2 37E+00	8 99E+01	2 13E—01	6 14E—04	2 79E—02	7 53E+00
360	2 69E+00	9 04E+01	1 82E— 01	4 82E—04	3 28E—02	6 69E+00
370	3 06E+00	9 08E+01	1 55E—01	3 79E—04	3 84E—02	5 94E+00
380	3 47E+00	9 11E+01	1 32E—01	2 97E— 04	4 50E—02	5 27E+00
390	3 93E+00	9 12F+01	1 12E—01	2 33E—04	5 25E—02	4 67E+00
400	4 44E+00	9 13L+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 11F—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 52L+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 96L+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 45E+00	7 76E—03
	D—1; LAT—80, LON—45; LT—12, *F*—150, *FΔV*—150, A_p—3; UT1—90					
80	5 36E—04	1 40E—03	2 08E+01	9 04E—01	1 51E—05	7 83L+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 30E—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 50E+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 94E+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 86F+01	1 91E—01	5 86F—04	2 36F—02	5 86F+00
350	6 19E+00	8 86F+01	1 58E—01	4 40F—04	2 83F—02	5 07F+00
360	7 12E+00	8 83E+01	1 30E—01	3 30E—04	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 81F 04	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 02E—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 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 25L+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 12L+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 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_D —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 25E+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 24E—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 [illegible]	O S	O S [illegible]	N S	H S	N / S
D—1 LAT—0, I ON—45, LT—12, *F*—200, *FΔV*—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, %	Ar/S, %	H/S, %	N_2/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	2.14E+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	2.94E+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_2/S, %
710	3.71E+01	6.21E+01	1.40E—03	4.75E—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; $F\Delta V$—200; A_p—3; UT1—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	6.04E—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, %	O_2/S, %	Ar/S, %	H/S, %	N_2/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	6.04E—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	4.50E+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	2.32E+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	1.47E+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—40; LON—45; LT—12; *F*—200; *FΔV*—200; A_p —3; UT1—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, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/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	3.47E—04	5.27E+01
200	4.47E—02	4.68E+01	3.07E+00	7.71E—02	4.01E—04	5.01E+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	6.58E—04	4.27E+01
240	9.04E—02	5.74E+01	2.14E+00	4.02E—02	7.79E—04	4.03E+01
250	1.05E—01	5.98E+01	1.95E+00	3.44E—02	9.19E—04	3.81E+01
260	1.22E—01	6.22E+01	1.78E+00	2.93E—02	1.08E—03	3.59E+01
270	1.40E—01	6.44E+01	1.62E+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	1.72E—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	7.42E+01	1.01E+00	1.13E—02	2.66E—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	5.90E—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	1.84E—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	5.64E—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—04	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.

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; $F\Delta V$—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—05	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—04	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

z, км	He/S, %	O/S, %	O_2/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	3.40E+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, %	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; 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	4.20E—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	7.74E—01	7.96E+01	8.42E—01	4.12E—03	2.98E—02	1.87E+01
270	9.46E—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	6.00E—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, %	Ar/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	9.70E—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—04	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	4.88E—12	2.32E+01	9.61E—05

D—82; LAT—40; LON—45; LT—12; *F*—70; *FAV*—70; A_p—3; UTI—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	5.48E—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_e/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	4.04E—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	He/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; UTI—9

80	5.42E—04	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	8.93E—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	8.61E+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; *FΔV*—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	3.64E+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	4.04E—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, 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; *FΔV*—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	6.34E—03	6.11E—03	2.12E+01
290	6.07E—01	7.93E+01	8.04E—01	5.14E—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	4.62E—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	0.04E+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_2/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	8.24E—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	4.42E+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	2.44E+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	9.44E—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	He/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	6.74E+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	6.32E—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, км	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; LT—12; *F*—150; *FΔV*—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	1.52E—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	1.45E—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	5.44E—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	He/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	7.64E—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, км	He/S, %	O/S, %	O_2/S, %	Ar/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	1.94E+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; $F\Delta V$—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	5.40E—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	3.04E+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	He/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	Hc/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—82; LAT—0; LON—45; LT—12; *F*—200; $F\Delta V$—200; A_p—3; UT1—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**	4.96E—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	9.10E+01	1.85E—01	6.36E—04	1.46E—02	6.92E+00
430	2.09E+00	9.14E+01	1.63E—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	Hc/S, %	O/S, %	O_2/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; UT1—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	2.54E—04	7.54E+01
120	6.02E—03	1.89E+01	8.77E+00	3.62E—01	3.83E—04	7.20E+01
130	1.34E—02	2.51E+01	6.48E+00	2.60E—01	4.15E—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	6.64E—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	9.31E—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	7.44E+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	4.42E—03	1.45E+01
360	1.15E+00	8.52E+01	4.54E—01	2.92E—03	5.10E—03	1.32E+01
370	1.29E+00	8.62E+01	4.01E—01	2.41E—03	5.87E—03	1.21E+01
380	1.44E+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	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
410	2.00E+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	9.74E—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—04	4.04E—02	2.85E+00
530	6.68E+00	9.06E+01	5.02E—02	1.01E—04	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	5.71E—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	3.14E—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	9.05E—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—03	3.29E—06	2.74E—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	4.54E+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; UT1—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—04	4.02E+00	1.79E+01	7.10E—01	1.27E—04	7.71E+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	He/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; *FΔV*—200; A_p—3; UTI—9

80	5.44E—04	1.21E—03	2.08E+01	9.17E—01	1.40E—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—04	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	1.74E+01	1.03E+01	3.55E—01	4.64E—04	7.19E+01
130	1.19E—02	2.32E+01	8.04E+00	2.55E—01	5.34E—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	1.54E—01	4.83E—04	6.24E+01
160	3.84E—02	3.48E+01	5.52E+00	1.25E—01	4.69E—04	5.95E+01
170	5.03E—02	3.81E+01	5.02E+00	1.03E—01	4.78E—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	4.12E+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—04	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	7.04E+01	5.79E—03	2.89E—06	5.74E—01	4.19E—01
750	3.04E+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	He/S, %	O/S, %	O_2/S, %	Ar/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	1.84E—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	2.04E+00	2.03E—02	9.84E—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, %	Ar/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; *FΔV*—70; A_p—3; UT1—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	7.84E+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	2.24E+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	3.04E—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	5.44E—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—04	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; *FΔV*—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+00	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	4.41E—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	5.24E—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	5.48E—04	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—04	1.50E—01	5.87E+00
330	7.73E+00	8.70E+01	1.40E—01	1.92E—04	1.86E—01	4.91E+00
340	9.14E+00	8.64E+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
100	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	1.64E—04	1.70E—08	4.88E+00	2.10E—02
570	7.91E+01	1.57E+01	1.15E—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	1.15E—02
590	8.23E+01	1.18E+01	5.62E—05	4.21E—09	5.89E+00	8.46E—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—04
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	4.92E+01
190	5.58E—01	5.05E+01	3.82E+00	3.24E—02	9.88E—03	4.51E+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	2.04E—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	1.29E+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; *FΔV*—150; A_p—3; UT1—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	7.34E+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	6.34E—05	2.14E—01	2.59E+00

Продолжение табл. 8

z, км	He/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	9.94E+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	4.76E—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	6.05E+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	4.69E—04	1.04E—07	3.74E+00	7.40E—02
780	5.34E+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	4.56E—02

D—172; LAT—40; LON—45; LT—12; *F*—150; *FΔV*—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	7.21E—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	9.14E—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	9.24E+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. 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; *FΔV*—150; A_p—3; UT1—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	6.39E+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	4.07E—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	5.34E—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	5.44E+00
520	1.82E+00	9.31E+01	8.63E—02	2.51E—04	1.03E—01	4.94E+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	3.34E+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	1.54E—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	8.64E+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—45; LT—12; *F*—150; *FΔV*—150; A_p—3; UT1—9

80	5.44E—04	1.30E—03	2.08E+01	8.71E—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

Продолжение табл. 8

z, км	He/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—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
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*Δ*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; *FΔV*—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	4.24E—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_2/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; *FΔV*—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; *FΔV*—200; A_p—3; UT1—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; $\overline{F}\Delta V$—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	4.89E—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	7.19E—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	5.44E—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_2/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; $\overline{F}\Delta V$—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	3.41E+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	2.18E—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	2.54E—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; \FΔ*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. 1ь

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	2.84E—07	5.97E—12	1.84E+01	1.02E—04

D—266; LAT—40; LON—45; LT—12; *F*—70; *FΔV*—70; A_p—3; UT1—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	8.04E—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_2/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	3.04E—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	6.44E—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; $F\Delta V$—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	4.01E+00	9.23E+01	7.74E—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	He/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; $F\Delta V$—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	8.44E—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; *FΔV*—150; A_p—3; UT1—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; *FΔV*—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. 11

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
400	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	4.48E+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
490	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; $F\Delta V$—200; A_p —3; UT1—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; 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. 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; $F\Delta V$—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	He/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	1.54E+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	4.97E—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	9.14E+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	1.04E+00

Продолжение табл. 12

z, км	He/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; $F\Delta V$—200; A_p —3; UT1—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	6.04E—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	7.54E+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	9.04E—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	5.15E—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, %	A^+/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	2.44E+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—45; LT—12; F—70; $F\Delta V$—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	1.15E—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; $F\Delta V$—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	3.15E—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	4.34E—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	7.94E—09	4.03E+00	6.33E—03

D—1; LAT——40; LON—45; LT—12; F—70; $F\Delta V$—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	1.93E—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; *FΔV*—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	Hc/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—1; LAT—0; LON—45; LT—12; *F*—150; *FΔV*—150; A_p —100; UT1—9					
80	5.59E—04	1.25E—03	2.08E+01	9.18E—01	1.56E—05	7.83E+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	5.48E+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	8.92E—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	8.55E—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	5.74E—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	He/S, %	O/S, %	O_2/S, %	Ar/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; *FΔV*—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	3.57E—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	7.05E—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	3.24E+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	5.74E+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	6.00E—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	4.25E+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; *FΔV*—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—04	2.80E—01	2.26E+00
700	4.90E+00	9.27E+01	4.35E—02	1.09E—04	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	7.07E—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; *FΔV*—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	1.43E—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; $F\Delta V$—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	6.64E—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	1.95E+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; $F\Delta V$—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	5.64E+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	4.28E—01	1.21E—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—04	5.78E—03	8.10E+00
390	1.54E+00	9.08E+01	2.55E—01	5.44E—04	6.62E—03	7.36E+00
400	1.72E+00	9.14E+01	2.24E—01	4.47E—04	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	1.51E+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	2.64E−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; *FAV*—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	2.84E—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	8.88E+01	1.23E—01	2.74E—04	3.87E—02	3.61E+00
600	8.13E+00	8.84E+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	4.04E—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	7.84E+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—45; LT—12; *F*—200; *FΔV*—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	1.84E+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	4.24E—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	3.03E—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; LON—45; LT—12; *F*—200; *FΔV*—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	1.04E—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	2.54E+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	1.78E—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	5.53E—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	8.64E—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	3.64E+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	2.54E—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—04	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	7.24E+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; *FΔV*—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	2.24E−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_2/S, %
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—04	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	4.16E+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	1.04E—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; *FAV*—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_2/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	1.49E—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	1.54E+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; $\overline{F}\Delta V$—70; A_p—100; UT1—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—04	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	4.68E+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	1.34E+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; UT1—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	6.64E—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	5.04E+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	2.46E—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	4.04E—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−04	1.18E−07	1.47E+00	6.36E−02

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

80	5.42E−04	1.29E−03	2.08E+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	8.75E—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	5.05E+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	2.22E—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	5.98E—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; *FΔV*—150; A_p—100; UT1—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	Hc/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—02	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; *FΔV*—150; A_p—100; UT1—9

80	5.45E—04	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	5.51E—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	4.95E—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; *FAV*—150; A_p—100; UT1—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—04	7.68E+01
110	2.15E—03	7.10E+00	1.77E+01	6.79E—01	3.08E—04	7.45E+01
120	3.87E—03	1.10E+01	1.62E+01	5.47E—01	4.23E—04	7.22E+01
130	4.43E—03	1.39E+01	1.50E+01	4.65E—01	4.60E—04	7.06E+01
140	5.21E—03	1.61E+01	1.40E+01	4.07E—01	4.51E—04	6.95E+01
150	7.12E—03	1.80E+01	1.31E+01	3.60E—01	4.38E—04	6.85E+01
160	9.70E—03	1.98E+01	1.24E+01	3.19E—01	4.41E—04	6.75E+01
170	1.28E—02	2.15E+01	1.17E+01	2.82E—01	4.65E—04	6.66E+01
180	1.66E—02	2.31E+01	1.11E+01	2.49E—01	5.13E—04	6.55E+01
190	2.10E—02	2.48E+01	1.05E+01	2.20E—01	5.87E—04	6.45E+01
200	2.61E—02	2.66E+01	9.91E+00	1.94E—01	6.88E—04	6.33E+01
210	3.20E—02	2.84E+01	9.39E+00	1.72E—01	8.18E—04	6.21E+01
220	3.90E—02	3.02E+01	8.88E+00	1.52E—01	9.82E—04	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	He/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/S, %	O/S, %	O_2/S, %	Ar/S, %	H S, %	N_2 S, %
D—82; LAT—0; LON—45; LT—12; *F*—200; *FΔV*—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—05	7.86E+01
100	9.54E—04	3.97E+00	1.78E+01	7.27E—01	1.20E—04	7.75E+01
110	2.47E—03	1.22E+01	1.27E+01	4.70E—01	2.59E—04	7.46E+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	7.94E—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	8.99E+01	2.45E—01	9.84E—04	7.93E—03	8.12E+00
420	1.94E+00	9.04E+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/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
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	8.63E+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; $F\Delta V$—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	2.24E—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	5.87E—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_2/S, %	Ar/S, %	H/S, %	N_2/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, %	O_2/S, %	Ar/S, %	H/S, %	N_2/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	5.86E+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	5.44E+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	2.55E—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_2/S, %	Ar/S, %	H/S, %	N_2/S, %
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; $\overline{F}\Delta V$—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_2/S, %	Ar/S, %	H/S, %	N_2/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—04	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+01	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—04	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—04	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+01
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	2.24E+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	4.00E—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	4.12E+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+01	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

z, км	He/S, %	O/S, %	O_2/S, %	Ar/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	6.95E−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; $F\Delta V$—200; A_p—100; UT1—9

80	5.48E−04	1.01E−03	2.09E+01	9.64E−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	1.18E+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, %	O_2/S, %	Ar/S, %	H/S, %	N_2/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	8.74E+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	6.33E—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	7.84E—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	2.80E—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_2/S, %	Ar/S, %	H/S, %	N_2/S, %
	D—172; LAT—0; LON—45; LT—12; *F*—70; $F\Delta V$—70; A_p—100; UT1—9					
80	5.53E—04	1.14E—03	2.08E+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	3.19E+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	9.27E+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	3.36E+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	8.22E+01	5.86E—01	2.35E—03	4.54E—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	2.85E—01	4.43E+00
390	5.76E+00	9.00E+01	8.31E—02	1.19E—04	3.44E—01	3.80E+00
400	6.67E+00	8.96E+01	6.76E—02	8.78E—05	4.14E—01	3.25E+00
410	7.71E+00	8.90E+01	5.49E—02	6.45E—05	4.97E—01	2.77E+00
420	8.87E+00	8.81E+01	4.45E—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	2.90E—02	2.53E—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	2.60E—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	4.22E+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	4.99E—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	7.45E—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	6.05E—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	9.48E—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	8.28E—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	2.89E+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

z, км	He/S, %	O/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	4.65E—02	4.53E+01	3.31E+00	3.57E—02	3.00E—03	5.13E+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	8.64E—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	5.06E—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+11	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_2/S, %	Ar/S, %	H/S, %	N_2/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; *FΔV*—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	2,31E+00	1,91E+01	8,68E—01	2,01E—04	7,77E+01
110	2,00E—03	6,13E+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	5,87E—04	7,59E+01
130	2,04E—03	1,20E+01	1,23E+01	5,02E—01	7,11E—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	2,12E+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	2,55E+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	6,09E+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	5,58E+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	2,49E+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	1.22E+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	9.06E+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; $F\Delta V$—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_2/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	1.95E—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	8.55E+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	1.24E—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_p —100; UT1—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_2/S, %	Ar/S, %	H/S, %	N_2/S, %
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	8.96E—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	5.35E—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	9.64E—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	7.04E—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	2.50E—01
790	6.00E+01	3.24E+01	4.50E—03	1.11E—06	7.37E+00	2.14E—01
800	6.17E+01	3.04E+01	3.73E—03	8.62E—07	7.76E+00	1.83E—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*Δ*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; $F\Delta V$—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. 20

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—02	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

Продолжение табл. 20

z, км	He/S, %	O/S, %	O$_2$/S, %	Ar/S, %	H/S, %	N$_2$/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	8.28E+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—80; LON—45; LT—12; *F*—150; $\overline{F}$Δ*V*—150; A$_p$—100; UT1—9						
80	5.37E—04	9.23E—04	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	1.05E+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	2.44E—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, %	O_2/S, %	Ar/S, %	H/S, %	N_2/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	4.14E—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	7.06E—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	5.63E—01	2.42E—03	6.97E—02	1.49E+01
500	1.04E+00	8.47E+01	5.02E—01	2.06E—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	3.99E—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	9.04E+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	5.26E—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	9.06E+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	9.34E—01
800	1.55E+01	8.12E+01	1.21E—02	8.05E—06	2.36E+00	8.42E—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; 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	1.42E+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	4.90E+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
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	2.74E+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——80; LON—45; LT—12; *F*—150; $\overline{F}\Delta V$—150; A_p—100; UT1—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/S, %	O_2/S, %	Ar/S, %	H/S, %	N_2/S, %
210	5.52E—02	2.83E+01	8.76E+00	1.44E—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	6.24E—03	4.42E+01
330	4.10E—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	4.55E—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	8.60E+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	4.10E—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 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—100; UT1—9						
80	5.54E—04	1.26E—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	1.64E+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—04	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; *FΔV*—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	1.75E—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	1.58E—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	2.28E—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	5.06E+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; *FΔV*—200; A_p—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—04	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	3.36E—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	2.35E—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	6.75E—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; *FΔV*—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	1.55E+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	8.28E—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	4.66E+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; $F\Delta V$—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—04	7.50E+01
120	7.56E—03	1.92E+01	9.59E+00	3.06E—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	3.96E—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	8.46E+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	9.90E—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	7.35E+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—266; LAT—40; LON—45; LT—12; *F*—70; $F\Delta V$—70; A_p—100; UT1—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	1.54E—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	9.06E—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; $\overline{F}\Delta V$—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—04	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—04	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	1.45E—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	2.04E+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	9.46E—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	2.54E+01	7.11E+01	2.12E—02	1.30E—05	2.55E+00	9.28E—01
610	2.76E+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; *FAV*—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	3.18E+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; *FΔV*—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	1.14E+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	2.34E+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; $F\Delta V$—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	3.46E+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. 23

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; $F\Delta V$—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	1.05E—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	3.08E—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	3.83E+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; UT1—9					
80	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	1.90E+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	1.20E+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	3.56E+01
340	4.27E—01	6.37E+01	2.40E+00	2.21E—02	5.43E—03	3.34E+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	1.34E—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; *FAV*—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. 23

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_2/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	4.00E—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; *FΔV*—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; $F\Delta V$—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	4.45E+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	4.26E—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; *FΔV*—200; A_p—100; UT1—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	1.55E—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; *FΔV*—200; A_p—100; UT1—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; $F\Delta V$—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—04	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; *FΔV*—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; *FΔV*—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	2.80E+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; *FΔV*—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	7.95E+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	8.80E—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; *FΔV*—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	5.85E—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, %	Θ/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; *FΔV*—150; A_p —3; UT1—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	1.90E+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_2/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	2.80E—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; $F\Delta V$—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	6.01E+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	1.68E—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	2.40E—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 32F+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	1.50E+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 17E—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; UT1—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; $\overline{F}$Δ*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, $\overline{F}\Delta V$—150, A_p —100; UT1—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/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_2/S %	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, $\overline{F}$Δ*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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