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ASTIA Document No. AD 117140

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AMERICAN METEOROLOGICAL SOCIETY
3 Joy Street
Boston, Mass.

Translation of

OBSERVATIONAL DATA OF THE SCIENTIFIC-RESEARCH DRIFTING STATION OF 1950-1951, Vols. I-III.

EDITOR, M. M. SOMOV

[Materialy nabliudenii nauchno-issledovatel'skoi drei-fuiushchei stantsii 1950/51 goda, red. M. M. Somov, Leningrad, Izd. 'Morskoi Transport,' 1954–1955]

VOLUME III

SECTION 9

This translation has been made by the American Meteorological Society under contract AF 19(604)-1936, through the support and sponsorship of the

GEOPHYSICS RESEARCH DIRECTORATE
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AIR RESEARCH AND DEVELOPMENT COMMAND

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PREFACE

The source material for these translations was submitted to the U. S. Delegation attending the CSAGI Arctic Conference in Stockholm, May 22-25, 1956 and loaned for the purpose of these translations by the National Academy of Sciences, U. S. National Committee for the International Geophysical Year.

It is felt that the translated articles have a timely appropriateness in view of the IGY plans for the occupation of Arctic Ocean Drift Stations. They are offered in rough draft in order to insure their speedy distribution to all concerned with the Arctic operations. It will be noted that consecutive pagination was not attempted in yielding to the most expeditious means of translating and reproducing the material. Each translated article has its own number sequence. The tables and appendices for the most part retain the page numbers of the original text.

Articles 1, 2, and 3 of Volume I translated by Mr. E. R. Hope have been made available to the American Meteorological Society through the kind cooperation of the Department of Defence, Ottawa, Canada, in the interest of promoting Arctic research.

The assistance of the National Academy of Sciences, USNC-IGY, in the preparation of the translated text for reproduction is also gratefully acknowledged.

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AEROLOGICAL OBSERVATIONS

by

V. G. Kanaki and
V. E. Blagodarov

Source:

Materialy nabliudenii nauchno-issledovatel'skoi dreifuiushchei stantsii 1950/51 goda, ed. M. M. Somov, Leningrad, Izd. 'Morskoi Transport', 1954. pp. 218-228 and Appendix, pp. 229-495.

ORGANIZATION OF THE WORK

Aerological observations on the ice of the Central Arctic were first undertaken on a large scale at the Scientific-Research Drifting Station of 1950/51. The experience of the High-Latitude Aerial Expeditions of 1948 and 1949 was used widely in planning these observations.

The work program of the aerologists at the drifting station included the following:

1) Daily release of two radiosondes;

2) Pilot-balloon observations of the radiosondes from one point;

3) Releases of radiosondes in series, four sondes per day (by special order of the Arctic Institute).

The work was to have been carried out by two aerologists. Later, on the spot, one more observer was added to the group. Thus, the aerological group consisted of three members, P. F. Zaichikov, V. G. Kanaki and V. E. Blagodarov. This made it possible to expand the program somewhat, particularly to organize systematic base-line observations of the radiosondes and even to give help to other groups.

Much attention was devoted to the organization of the physical labor program. Daily watches were maintained from the first. The man on duty had the following tasks: preparation and release of two radiosondes, processing of the data and conduct of the meteorological observations during the other /observation/ intervals. The assistant to the man on duty produced the hydrogen, filled the radiosonde balloons and made the theodolite observations from the first base point. The third aerologist made the theodolite observations from the second base point, did the housekeeping for the group, kept a general camp watch, helped other groups and saw to the replenishment of household supplies and equipment for the group.

The aerological equipment of the drifting station was prepared at the Arctic Institute and in its Experimental Workshops. Considerable assistance was given by the Central Aerological Observatory (CAO)* where all instruments were tested in a very short time, and from which improved radiosonde balloons No. 150 were procured.

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*Tsentral'naia aerologicheskaia observatoria (TsAO).

The Aerostat Workshops of the CAO prepared 5-m^3 gas containers for the hydrogen; they were made of four-ply percale; wind shelters were also prepared there. The Experimental Workshops of the Arctic Institute prepared gas generators of the ordinary Kanaki-Ledokhovich type and portable "KL" radiosonde laboratories.

The aerological group of the drifting station had the following equipment:

1)	comb radiosondes	420 sets
2)	balloons, No. 150	200 items
3)	balloons, No. 100	250 "
4)	aerologic . theodolites	2 "
5)	gas generators	2 sets
6)	gas containers	3 items
7)	wind shelters	1 item
8)	"Kapsh-2" tents	1 "
9)	duralumin radio masts	2 items
10)	field telephones	2 "
11)	electric inflaters for the radiosondes	1 item
12)	"KUB-4" radio receivers	1 "
13)	"BAS-80" batteries	40 items
14)	"BNS-100" batteries	16 "
15)	radiosonde field laboratories	2
16)	locksmith's tools	1 set
17)	spare radio tubes	4 sets
18)	"5NKN-45" storage batteries	3 items
19)	ferrosilicon	1.6 tons
20)	caustic soda	3.0 tons
21)	ammonium chloride	5 kg

On 15 April 1950 the aerologists finished their preparatory work and began observations. The "Kapsh-2" tent was set up as living and work quarters for the three-man crew, the aerological and meteorological equipment was kept there. The KUB-4 receiver was set up on the bench below the skylight. The /radiosonde/ signals were received and the radiosonde data processed there. The aerological and meteorological area could be seen easily from the skylight, as could the place where the radiosondes were released, which made it possible to detect the moment of release. The bench with the portable KL aerological laboratory, used to prepare the radiosondes for release, was placed next to the work table. Besides, there was a bench for meteorological apparatus and three folding cots in the tent. No more than two men could work in the tent at one time, since there was so little free space.

An area 75 m north of the tent was outfitted, hydrogen was produced there and used to fill the radiosonde balloons. A wind shelter 3.5 m in circumference was set up for this purpose; it consisted of a piece of material 3 x 12 m with nine duralumin rods spaced equally. Fish netting was pulled over this shelter as a roof to prevent the

accidental escape of a balloon. Two hydrogen-filled gas containers were placed inside the shelter. The balloons were filled there. During the period of operations, the shelter had to be moved three times, because the waste products of the gas production dirtied the snow and caused deep pools to form.

Twenty meters to the south of the spot where the balloons were filled a stake with the electric inflater attached was frozen into the ice to hold the balloon before its release.

Two 7-m duralumin masts with 20-m antennas were erected near the tent; they were used to receive time and radiosonde signals. The reception of radiosonde signals by the KUB-4 receiver was always good and, as a rule, they were received as long as the radio transmitter functioned. The radio receiver was fed by "BAS-80" and "BNS-100" batteries.

Hydrogen production is the most laborious task of the aerologists. Therefore, special attention was paid this matter in providing the equipment, and some innovations were made in the method of obtaining the hydrogen. First of all, the aerological group was provided with containers for storing the gas. These containers made it possible to store gas enough for 4-5 radiosonde ascents, thanks to which a whole day could be spent in carrying out this time-consuming operation. Fig. 1 shows the filling of a gas container from the gas generator.

The hydrogen was transferred from the gas containers into the radiosonde balloons by a diaphragm pump (from a rubber liferaft) specially adapted for this work. A nozzle with a flange was attached to the suction end of the pump. A hose, connected with the gas container, was attached to this nozzle. The second (forcing) hose was hooked up to the balloon. It took 10 to 15 minutes to fill a balloon.

In the gas generator used at the drifting station, the intensity of the reaction was regulated by changing the dose of ferrosilicon, gradually feeding it in (as needed) from a special tank connected to the tank of the gas-generator by a durite hose 45 mm in diameter. Sea water was used for gas generation, and in the summer, water from fresh pools. In both cases, 5-6 liters of hot water were poured in to start the reaction. The salinity of the water did not seem to affect the process. The weather conditions, however, exerted a great influence on the process and the intensity of the reaction. For example, with low temperatures and winds with drifting snow, the tank of the gas generator had to be protected from the wind by a special shield (Fig. 2) or covered with insulating material, otherwise the reaction would not begin immediately and it would be very weak. When the process was too intense, however, the gas generator was cooled by covering it with snow.

Chemicals of home manufacture were used to produce the hydrogen; their quality was good enough, although they had been at the Cape Schmidt polar station for about two years. The ferrosilicon, however,

was somewhat damp and had frozen together in a solid lump. Much time and labor had to be expended in drying it and breaking it up. The caustic soda (in standard 300 kg lots) was also in solid form. As a consequence, the aerologist whose duty it was to produce the hydrogen spent at least half his day breaking up the chemicals.

Despite the effort required by this process, during the whole drift we always had enough hydrogen and we had it in time.

The aerological observations were carried out from 15 April through 19 October 1950. From the beginning of operations to 1 September they were made twice a day (at 0400 and 1600 hours Moscow time), from 1 September on they were made only once a day (0400 hours), due to a shortage of chemicals. In all, 313 radiosondes were released, for which 222 observations were made by theodolite (25 of these were base-line observations). After the data were processed and examined carefully, the following were selected for publication:

radiosonde observations - 291
theodolite observations - 212

The mean height of ascent of the radiosondes was 18.6 km. The maximum height reached was 32.8 km. on 23 May. Two hundred eighty radiosondes reached the stratosphere,

height of more than 10 km - 275 radiosondes
15 - 263
20 - 148
30 - 2

Table 1 gives data of the distribution of the radiosonde ascents: the length of time signals were received, height reached and the month of release.

Table 1

Length of time signals were received and height of ascent of the radiosondes

	Apr.	May	June	July	Aug.	Sept.	Oct.	Whole period
Mean length of signal reception (min.)	61	71	74	82	70	73	47	71
Mean height of ascent (km)	15.2	19.4	20.0	22.4	18.2	17.7	13.5	18.6
Maximum height of ascent (km)	26.4	32.8	27.7	28.9	25.0	23.5	18.8	32.8
Minimum height of ascent (km)	6.9	5.0	8.7	10.8	6.0	6.4	7.4	5.0
Number of observations	28	58	53	59	51	27	15	291

All observations were carried out in conformity with the assigned instructions and directions. Below we give an account of the various changes in method. The data on the processed material are given in the Appendix.

THE RADIOSONDE WORK

A control check on the radiosondes was made before the expedition set out, in January of 1950 at the CAO. The results of checking the temperature recorders were entered in the specification sheet* for each instrument and, in case they did not check out with the factory specifications, the latter were corrected. The pressure recorder was checked at positive and negative temperatures. New specification sheets for the pressure recorder were made on the basis of the data from this check at the CAO.

Before being prepared for release the instruments were examined carefully and those whose condition seemed doubtful were not used. The instruments were made ready 3-4 hours before release.

The portable "KL" laboratory was used to check the electrical systems of the instruments. The radio transmitter and the feeding source were mounted as suggested by V. G. Kanaki. This differs from the ordinary method in that the radio transmitter is not placed inside the radiosonde, but is packed together with its batteries and attached to the casing of the balloon before its release. The transmitter tubes keep the batteries warm, preventing them from freezing.

The radio transmitter was tuned by the thermocouple of the field laboratory or by "mikro" radio tubes. It was fed by 3-5 anode and 1 filament battery, which were drenched with a saturated solution of ammonium chloride with 25% alcohol added. The drenching lasted for 1-2 hours before release, and the batteries together with the radio transmitter were taken out to the release area 10 minutes before release time.

The instruments were "exposed" only before the release and at the release area. Attempts to "expose" the instruments in the tent failed because of the differences in the air temperature and the different inertia of the instruments (the temperature recorder of the radiosonde and the psychrometer). In taking down the initial position of the recording pens in the specially equipped box with a ventilator the readings of the radiosonde and the mercury thermometer did not coincide; this was due to the causes mentioned above and to the inadequacy of the ventilator.

*In Russian the word here is "certificate," perhaps this is preferable to "specification sheet." (Tr. note)

The instruments were "exposed" on the area before release on a stake frozen into the ice to which the ventilator and two hooks for the radiosonde and psychrometer were attached at a height of 2 m above sea level.

In individual cases the radiosondes were "exposed" along with the psychrometer shelter as a control and calibration of the readings made during the basic "exposure" on the electric inflater as against the readings of the instruments in the psychrometer shelter. In ordinary work, the humidity instruments were taken out onto the release area an hour to an hour-and-a-half before release. The readings of the initial position of the recording pens at the release site were entered in the appropriate columns of the radiosonde sheet. The results of the "exposure" made in the tent or at the psychrometer shelter were entered in the blank titled "Exposure and place".

Humidity at a temperature higher than -5°C* was determined by the aspiration psychrometer, at a temperature below -5°C by the hygrometer. Pressure was measured by a mercury inspector's barometer** which was kept in the tent. Wind was measured by the Tret'iakov wind gauge*** set up on the meteorological area. The data on atmospheric phenomena and cloudiness at the moment of release were entered in the pilot-balloon log (with subsequent transfer onto the radiosonde sheet).

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*All temperatures are in °C (Tr. note).

**Inspector's barometer. A barometer carried by an inspector of a meteorological network to a station to check the accuracy of the barometers at that station. An inspector's barometer is an instrument intermediate between a normal working barometer for a given meteorological region and a stationary barometer. Before the inspector makes his trip the instrument correction of the inspector's barometer is made by comparing it with a normal working barometer. A second comparison with the normal working barometer is made after the inspector returns. The inspector's barometer must be portable, durable and accurate. These requirements are satisfied by the Wild-Turretini barometer used at stations in the USSR (Tr. note). Source: Meteorologicheskii slovar', Khromov and Mamontova, p. 153.

***Tret'iakov wind gauge. A portable instrument for determining the velocity and direction of the wind under field conditions. The wind velocity is measured by the deflection of a freely suspended metal plate having a spoon-shaped form. The direction of the wind is determined by a special vane included in the construction of the instrument. The scale for this wind gauge was obtained experimentally from determinations in an aerodynamic tube (Tr. note). Source: Meteorologicheskii slovar', Khromov and Mamontova, p. 283.

The radiosonde balloons were hung about, over the gas burner or the kerogaz,* before filling and were rotated constantly for half an hour. The heating provided additional vulcanization. The preparation made the balloons elastic and insured a great height of ascent.

After the radio receiver had been tuned in on the transmitter wave band, the radiosondes were released on a signal from the aerologist on duty at the tent window. On days when the wind was light, the balloons were towed with the wind for take-off. During high winds, by way of experiment, the P. F. Zaichikov method was sometimes used. The equipment necessary for this was prepared on the spot by station mechanic M. S. Komarov. The radiosonde was hung so that it could slide easily along the cable. The cable was stretched out with the wind at a height of 1.5 m, one end of it was firmly fixed to a stake frozen into the ice, the other end to a duralumin mast through an automatic release mechanism. The balloon, under the influence of the wind, would pull the instrument along the cable; in the process the ring would strike the automatic release and the cable would be detached from the mast, which, because of the rubber guy lines, would be cast in the direction opposite that in which the instrument was moving, and the radiosonde, breaking free of the cable, would continue in flight.

The signals were received (Fig. 3) by one of the aerologists through a speaker or, in case reception were poor, by earphones. Besides the temperature, pressure and humidity signals, signals were received of the speed of rotation of the propeller. For this purpose, the time of the beginning and end of all control humidity signals were entered on a separate form. These observations were conducted to study atmospheric turbulence.

The data on the ascent of the radiosonde up to 5 km were worked up very soon after the signals were received, since the information had to be included in the /weather/ telegram. The remaining information was processed at the Arctic Institute after the expedition had returned.

The pressure data were processed according to the specifications of the CAO. The correction for layer thickness was determined by slide rule from the formula:

$$\triangle h = \frac{Ht_{av.}}{273}$$

where H is the layer thickness and t_{av} is the average temperature of the layer.

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*Kerogaz. A kerosene heating device on the order of a noiseless primus stove (Tr. note).

Temperature observations were processed according to the factory specification sheets, with account taken of the corrections made at the time of the instrument check at the CAO. The dew-point temperature was determined by nomogram.

THEODOLITE OBSERVATIONS OF THE RADIOSONDES

The pibal theodolite on the first base point, fixed on a tripod, was located at the release area for radiosondes. Before an observation was made, the theodolite's position with respect to the level was checked, as well as its orientation. The theodolite was lined up with a surveyor's stake, which first was a peg frozen into the ice on the meridional line to the north of the instrument. Beginning 19 May, the theodolite of the second base point located in the same direction, served as the surveyor's mark. Since the floe gradually turned, a correction factor had to be introduced to account for the change in the azimuth of the stake, which increased from 0° (15 April) to 34° (20 October).

The azimuth was determined by the North Star and by the sun. In the first case the telescope of the theodolite, oriented with zero on the surveyor's stake, was fixed on the North Star and readings were made by the horizontal circle of the theodolite. The difference between the readings with the theodolite directed on the stake (360°) and on the North Star was taken as the azimuth of the stake. In the second instance, the azimuth was determined by the familiar formula:

$$\sin A = \frac{\cos\varphi \cdot \sin t_{local}}{\sin Z_{combined}}.$$

Since the zero of the theodolite was always directed on the stake, the difference 360°-A gave the azimuth of the stake according to the sun.

The pilot-balloon observations were processed in the usual manner, whereby the heights were determined by the mean vertical velocity of the radiosonde.

By the time the base was laid out (19 May), the floe had already turned 5°. In order to preserve the initial position of the theodolite at the first point of the base, the place for the second theodolite of the base was selected exactly in the direction of the stake (peg), whose azimuth at that time was 5°. The dimensions of the floe did not permit us to lay out a base line of more than 600 m.

The length of the base was measured twice with a steel tape:

First measurement	- 600.08 m
Second	- 600.90 m
Average length of base line	- 600.50 m

A pibal theodolite on a tripod was set at the second base point as well as the first. Both points were connected by field telephones. To synchronize the readings from the tent by a line connected to the telephone line, signals of 2-3 sec duration were sent every minute. This was attained by use of a contact on the timing gear of an alarm clock and the sound mechanism. This device was prepared at the drifting station.

The base observations were taken only on days without fog and low cloud cover.

As the floe turned, the azimuth of the base changed correspondingly. The processing was done with a Molchanov circle* according to the instructions of the Hydrometeorological Service. The base line observations were processed using a 25-cm slide rule.

The small length of the base line did not permit us to process the prolonged observations to the end, since angles B and B' often were smaller than 4°.

The expedition's observational data were completely processed, checked and prepared for publication at the Arctic Institute by N. V. Basieva, L. I. Vorontsova, L. P. Kuritsyna, N. V. Shiposh under the general direction and with the aid of I. M. Dolgin, Candidate in Geographical Sciences, and Junior Scientific Colleague T. V. Nikolaeva.

In conclusion let us note a number of organizational and methodological inadequacies which could not but have had an effect on the work progress and the quality of the individual observations. These inadequacies include, first of all, the lack of general standard

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*Molchanov circle. An instrument for constructing the horizontal projection of the path of a pilot balloon, to a certain scale, by angles plotted during theodolite observations of the balloon. The direction and speed of the wind aloft is then determined from the projection. The Molchanov circle consists of a wooden board with a diagram glued to it, of a movable celluloid disk that turns about the center and of a movable celluloid ruler. Designed by P. A. Molchanov (Tr. note). Source: Meteorologicheskii slovar', Khromov and Mamontova, p. 190.

aerological field equipment. Therefore, in preparing for the expedition ordinary station instruments were selected and to a certain degree adapted to the specifications of work on an ice floe. A number of instruments and objects of secondary equipment were invented or redesigned. As a consequence, the aerological equipment of the drifting station was quite diverse, which doubtless complicated the work in a number of cases. Some pieces of equipment, as was found when the work was processed, were not thought out well enough. In particular, the wind shelter proved unsatisfactory, since in autumn much snow entered it during the ground blows, and covered the hydrogen gas containers. In the future, instead of shelters a large Danish-type tent with a wide entrance should be used.

The initial positions of the recording pens of the instruments, "exposure" in the tent, were not recorded, although instructions had been given to do this, because the temperature measurement and the taking of the position of the recording pens lost all physical sense in view of the large temperature gradients. In individual cases and when the instruments were exposed to air on sunny still days even the use of the electric inflater with a flow of air 5-6 m/sec did not guarantee reliable enough initial data. This is to be explained by the large contrasts between the temperatures of the air and the inflater that had been warmed in the sun.

In the future it will be necessary to work out a device for exposing the apparatus both in the tent and in the open air. Thermostats and the necessary shading together with good ventilating apparatus may serve this purpose.

The shortness of the base line and the crude nature of its equipment may be considered a real disadvantage for pilot-balloon observations. For example, in assembling the equipment, the contact watches for the transmission of time signals were forgotten. The apparatus to replace the watches was made at the station from an ordinary alarm clock and was not very reliable, and often the convergence of the base altitudes was poor.

The work was complicated a great deal by the fact that the caustic soda, moulded in solid 300-kg masses, was contained in iron barrels. Under the work conditions at the drifting station it is quite necessary to have caustic soda either in pulverized form sealed in 2-3 kg tin cans, or, still better, in flake form.

Finally, neither the method of observations nor the suitability of this or that piece of equipment needs special comment.

A preliminary examination and analysis of the data makes it possible to draw certain conclusions as to the stratification of the atmosphere in the central part of the Arctic Basin. Below we give a space-time graph of isopleths, constructed on the basis of the data of the morning radiosonde ascents (Fig. 4). One hundred sixty seven

ascents for the period from 15 April through 19 October were used in constructing this graph; all radiosondes reached the tropopause and in most cases sounded the stratosphere up to 20-25 km.

The isopleth graph clearly shows the existence of an inversion layer in the lower troposphere. As a rule this layer lies between the heights 0.5 and 2.5-3.0 km. At the same time, a seasonal character of the inversions was discovered. Thus, the deepest inversion was observed in the middle of July. This was connected with the transport northward of warm Pacific-Ocean air, arriving from the American continent. The inversion occurred as a result of the cooling of the lower layer of air because of the expenditure of heat on the intensive thawing of the snow and ice cover. In the inversion layer the growth of temperature with height reached 10°C at the 3.5 km level. The maximum air temperature (10-11°C) in that layer was noted at 1.0-1.5 km. The ice-adjacent layer of air, in moving northward, became 8-9° cooler than the higher layers.

At the same time, at a height of 3.5 km, the zero isotherm held steady, during the remaining time it appeared only episodically (in the second ten days of June and then during all of August). In October, with the arrival of polar night and the increase in radiation, the winter inversions were observed, which can also be seen clearly on the isopleth graph.

Fig. 5 shows a graph of temperature distribution with height for 15 October. The deep inversion in the layer from the ice surface to a height of 1 km can be explained by the great loss of heat from the low-lying layer due to night radiation. In the 0-0.5 km layer, the negative temperature gradient amounted to 2.56°C per 100 m, while the absolute rise in temperature reached 12.8°C.

The trend of the isopleths above the inversion layer, for the whole period investigated, almost exactly followed the variations of the tropopause; the vertical temperature gradient of the layer from 4 km to the tropopause sharply departed from its mean value, which was 0.56°C. This indicates the connection between the thermal regime of the upper troposphere and the height of the tropopause.

The height of the tropopause fluctuates on an average around the 9.8 km level, dropping sometimes to 7.0 km (30 June-1 July) and rising to 12.0 km (5-15 July, during the invasion of warm masses of Pacific Ocean air).

In the spring period, when cyclonic activity is strongly developed, frequent fluctuations in the height of the tropopause are to be observed. For example, between 23 June and 2 July the height of the tropopause dropped sharply from 11 km to 7 km, while in the succeeding days it again rose to 12 km. This amplitude of variation of the height of the tropopause, the greatest for the whole period, was caused by an abrupt change in the air currents in the troposphere.

From the data given it is evident that the mean height of the tropopause in the central part of the Arctic Basin has approximately the same values as in the temperate latitudes. Proceeding from this we may conclude that warm air masses, embracing the whole troposphere, penetrate into the central Arctic. The transport of warm air into the high latitudes leads to frontogenesis in these regions. In his time B. L. Dzerdzeevskii noted this and it was confirmed by observations of the aerial expeditions of 1948, 1949 and 1950.

During the whole period of operations of the drifting station, the temperature of the tropopause varied within the limits -39.4° and -64.2°C. The lowest temperature values were observed in April and October, while the highest values occurred in the warm season of the year. From this we can conclude that the temperature of the tropopause has a seasonal character. The layer of the stratosphere above the tropopause has great temperature fluctuations.

The following detailed study and analysis of the data from radiosonde ascents combined with the study of the synoptic characteristics of the atmospheric processes makes it possible to broaden our knowledge of the dynamics and transformation of air masses of the Arctic Basin.

Figure Captions

Figure 1: Filling a gas container with hydrogen.

Figure 2: A radiosonde balloon in the wind shelter.

Figure 3: Preparing a radiosonde for release and reception of signals in the tent.

Figure 4: Graph of isopleths, according to morning radiosonde ascents.

x-axis (bottom, reading left to right): April, May, June, July, August, September, October

Figure 5: Distribution of temperature in the troposphere according to the morning radiosonde ascent of 15 October 1950.

APPENDIX

Explanation of the tables

Radiosonde observations were conducted at 0400 and 1600 hours Moscow time.

For the majority of the radiosondes, the observations were conducted by theodolite (base or from one point), and by this the direction and velocity of the wind aloft were determined.

The release time of the radiosondes, mean local solar time, is given in four ciphers in the tables, of which the first two indicate the hour, the last two, the minute.

The heights of the clouds was determined by the moment "it becomes hazy" by the theodolite observation; they are expressed in geopotential decameters above sea level.

The results of the aerological radiosonde ascents are given in table form, where the meteorological data are given, computed by height stages for the main isobaric surfaces and for the individual levels and expressed in geopotential kilometers above sea level.

The upper and lower boundaries of the inversions and isotherms, the boundaries of the segments with decreased gradient, and also the height of the lower boundary of the tropopause are referred to particular levels.

The table contains the following data: Date, release time of the radiosonde, coordinates, cloudiness, height of the clouds; pressure, temperature, vertical temperature gradient, relative and specific humidity, wind velocity and direction (data obtained from the base observations are given in heavy type), and vertical velocity of the radiosondes are given by heights.

The values of the gradients and the vertical velocities are given in the line corresponding to the height of the upper boundary of the layer for which the computations were made. Heights given in parentheses mean that such data are not accurate for the beginning or the end of the particular point. The temperature and humidity data given in parentheses were taken from interpolated curve segments. Discontinuities in the wind data (direction or velocity) are marked with an asterisk.

The organization of the aerological observations (radiosonde ascents, pilot balloon observations) and their processing were carried out in compliance with the "Instructions to the hydrometeorological stations and posts" (Nastavlenie gidrometorologicheskim stantsiiam i postam), Pub. Gidrometeoizdat, 4th ed., Parts I, II, and III, 1944, 1945, 1947.

CONVENTIONAL SYMBOLS

H height in geopotential kilometers

B atmospheric pressure in mb

t temperature in degrees

vertical temperature gradient

U relative humidity of the air

q specific humidity in grams per kg of air

d wind direction in degrees

V wind direction in m per sec

W vertical velocity of the radiosonde in m per min

snow (* light)

wet snow

rain (* light)

granular snow (light)

snow shower

drizzle (light)

fog with charges

sea fog

ground-level fog

unbroken fog

fog with gaps (sky visible)

glaze

low drifting snow

surface snowstorm

Рис. 1. Наполнение газгольдера водородом

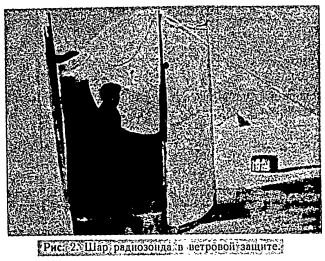

Рис. 2. Шар радиозонда в метровой защите.

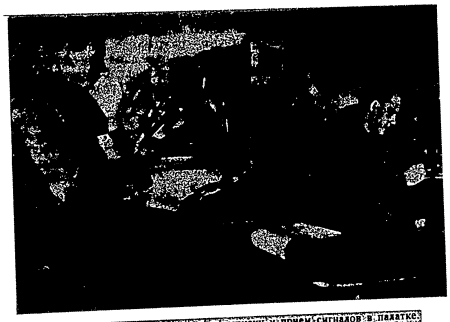

Рис. 3. Подготовка радиозонда к выпуску с приемом сигналов в палатке.

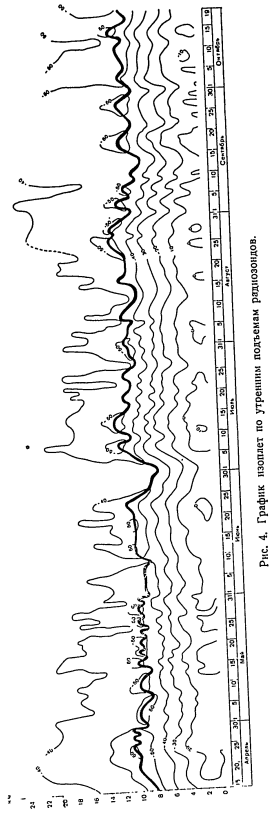

Рис. 4. График изоплет по утренним подъемам радиозондов.

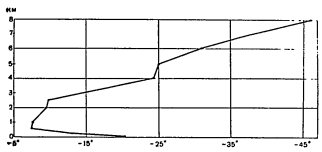

Рис. 5. Распределение температуры в тропосфере по утреннему подъему радиозонда 15 октября 1950 г.

APPENDIX

See translated text for column headings and additional notes.

УСЛОВНЫЕ ОБОЗНАЧЕНИЯ

H — высота в геопотенциальных километрах;
B — давление воздуха в миллибарах;
t — температура в градусах;
γ — вертикальный температурный градиент;
U — относительная влажность воздуха;
q — удельная влажность в граммах на килограмм воздуха;
d — направление ветра в градусах;
V — скорость ветра в метрах в секунду;
W — вертикальная скорость радиозонда в метрах в минуту;
⁎ — снег (⁎° — слабый);
⁎ — мокрый снег;
● — дождь (●° — слабый);
△ — снежные зерна (△° — слабые);
⁎ — ливневой снег;
● — морось (●° — слабая);
≡ₐ — туман зарядами;
≡ м — морской туман;
≡ — поземный туман;
≡ — сплошной туман;
≡ — туман с просветами;
∞ — гололед;
⊥ — поземок
⊥ — метель верхняя.

H	B	t	γ	U	q	d	V	W
			YEAR					
			1950 год					
			15.4 1339 φ = 76°26′ λ = 192°52′					
			10/0 Ci, Cs					
0.0	019	—22.7		93		068	5	
0.06	010	—23.0	0.50			—	—	
0.13	000	—23.0				090	7	
0.2	991	—23.0	0.00			075	7	
0.43	961	—23.0	0.00			101	9	
0.5	952	—22.6				104	10	
0.93	900	—20.4				105	9	
1.0	891	—20.2				105	9	
1.06	883	—20.0	—0.48			104	8	
1.35	850	—20.2				103	7	
1.5	833	—20.5	0.11			100	7	
1.79	800	—20.9				089	7	
2.0	778	—21.1	0.12			088	5	
2.2	757	—21.5	0.20			087	4	
2.5	727	—23.3	0.60			087	3	
2.78	700	—24.2				091	3	
3.0	679	—25.2	0.38			088	4	321
3.89	600	—30.4				098	5	
4.0	591	—30.8	0.56			100	5	
5.0	513	—36.4	0.56			125	5	
5.17	500	—37.4						
6.0	443	—41.5	0.51					361
6.7	400	—45.8						
7.0	381	—47.7	0.62					
7.7	344	—51.3	0.51					
8.0	328	—51.3	0.00					
8.57	300	—51.3						
9.0	281	—51.3	0.00					
10.0	241	—48.6	—0.27					340
11.0	208	—46.0	—0.26					
11.25	200	—45.6						
12.0	178	—43.7	—0.23					
13.0	153	—42.9	—0.08					
14.0	132	—41.9	0.10					332
15.0	115	—40.4	—0.15					
16.0	100	—39.7	—0.07					

H	B	t	γ	U	q	d	V	W
17.0	85	—38.8	—0.09					305
18.0	75	—37.8	—0.10					
19.0	64	—37.0	—0.08					261
20.0	56	—36.4	—0.06					
20.62	50	—35.4						
21.0	47	—34.9	—0.15					
21.72	40	—34.9	0 00					261
			16.4 1352 φ = 76°24′ λ = 192°20′					
			0/0 Ci					
0.0	022	—24.0		94		045	4	
0.16	000	—24.2				054	6	
0.2	994	—24.2	0.10			055	7	
0.5	953	—23.0	—0.40			059	7	
0.92	900	—21.6				054	4	
1.0	891	—21.3	—0.34			056	4	
1.1	878	—21.0	—0.30			056	4	
1.35	850	—21.0	0.00			060	4	
1.5	833	—21.2	0.13			064	5	
1.8	800	—21.5				067	6	
2.0	778	—21.8	0.12			066	6	
2.5	726	—22.5	0.14			071	7	
2.77	700	—23.3				072	7	
3.0	678	—24.1	0.32			071	7	
3.9	600	—28.9				077	9	356
4.0	591	—29.3	0.52			077	9	
5.0	513	—34.0	0.47			078	7	
5.18	500	—34.7				079	7	
6.0	444	—39.4	0.54			080	7	
6.68	400	—43.5				086	8	
7.0	382	—45.2	0.58			091	7	393
8.0	330	—51.3	0.61			074	2*	
8.4	310	—52.3	0.25			345	3	
8.62	300	—52.3				311	4	
9.0	283	—52.3	0.00					432
9.45	263	—52.3	0.00					
			17.4 0156 φ = 76°22′ λ = 192°21′					
			2/0 Ci					
0.0	026	—33.0		94		315	5	
0.16	000	—28.0				334	5	
0.2	996	—27.2	—2 90			335	5	
0.5	955	—22.0	—1.73					

H	B	t	γ	U	q	d	V	W
0.95	900	—19.6						
1.0	895	—19.5	—0.50					
1.4	850	—18.9						
1.5	838	—18.7	—0.16					
1.84	800	—18.4	—0.09					
2.0	783	—18.8	0.25					
2.5	731	—19.8	0.20					
2.83	700	—20.9						290
3.0	683	—21.8	0.40					
3.94	600	—26.6						
4.0	595	—27.0	0.52					
5.0	516	—33.7	0.67					
5.21	500	—35.1						
6.0	447	—41.0	0.73					300
6.75	400	—46.9						
7 0	385	—48.4	0.74					
8.0	330	—56.0	0.76					318

17.4 1359 φ = 76°21′, λ = 192°23′

2/0 Ci

0.0	025	—22.8		85		315	5	
0.17	000	—22.8				328	11	

H	B	t	γ	U	q	d	V	W
0.2	997	—22.8				322	10	
0.25	990	—22.8	0.00			313	10	
0.5	958	—19.4	—1.36			302	9	
0.86	914	—17.0	—0.67			318	7	
0.97	900	—17.0				320	6	
1.0	897	—17.0	0.00			320	6	
1.4	850	—17.0				339	5	
1.5	839	—17.0	0.00			345	5	
1.85	800	—17.0				359	5	
2.0	785	—17.0	0.00			360	5	
2.15	770	—17.0	0.00			001	5	
2.5	734	—18.0	0.29			007	5	
2.85	700	—20.0				015	6	
3.0	686	—20.7	0.54			016	6	329
4.0	600	—25.5	0.48			034	6	
5.0	522	—31.1	0.56			046	3	
5.29	500	—33.1				035	3	
6.0	451	—38.5	0.74			059	3	278
6.82	400	—43.0				092	5	
7.0	390	—44.4	0.59			091	5	
8.0	336	—50.2	0.58			113	6	
8.4	316	—53.5	0.82			110	4	224
8.73	300	—53.5				187	2	

H	B.	t	γ	U	q	d	V	W
9.0	288	—53.5	0.00			250	1	
9.65	260	—53.5	0.00			300	2	
10.0	248	—52.0	—0.43			298	2	192
11.0	212	—48.8	—0.32			—	2	
11.35	200	—47.5					0	
12.0	181	—46.4	—0.24				0	
12.23	174	—46.2	—0.09					224

18.4 0143 φ = 76°20′ λ = 192°25′

10/10 Sc (108)

0.0	026	—20.1		96		338	4	
0.17	000	—19.8				349	4	
0.2	996	—19.7	—0.20			355	4	
0.5	958	—18.5	—0.40			350	5	
0.6	946	—17.3	—1.20			350	4	
0.98	900	—17.3	0.00			347	7	
1.43	850	—17.3						
1.5	841	—17.3	0.00					
1.87	800	—17.3						
2.0	787	—17.3	0.00					
2.1	776	—17.3	0.00					
2.5	736	—18.5	0.30					

H	B	t	γ	U	q	d	V	W
2.87	700	—20.0						
3.0	687	—20.8	0.46					
3.98	600	—25.8	0.51					369
5.0	520	—31.3	0.54					
5.25	500	—33.4						
6.0	449	—38.8	0.75					
6.77	400	—43.6						
7.0	387	—44.8	0.60					350
8.0	332	—50.8	0.60					
8.68	300	—56.0						
8.83	294	—56.8	0.72					
9.0	285	—56.8	0.00					
10.0	244	—56.8	0.00					
10.13	238	—56.8	0.00					
11.0	207	—55.2	—0.18					
11.29	200	—54.0						439
12.0	178	—51.2	—0.40					
13.0	154	—49.7	—0.15					
14.0	132	—48.7	—0.10					323
15.0	113	—47.7	—0.10					
15.77	100	—47.0						
16.0	96	—46.7	—0.10					
17.0	84	—45.2	—0.15					319

Продолж. приложения

H	B	t	γ	U	q	d	V	W
17.32	81	—44.2	—0.31					
18.0	73	—44.2	0.00					
19.0	62	—44.2	0.00					
20.0	53	—44.2	0.00					254

18.4 1343 φ = 76°19′ λ = 192°27′

0/0 Ci

0.0	026	—22.6		93		292	3	
0.19	000	—21.3	—0.68			327	5	
0.5	960	—18.8	—0.81			342	5	
0.6	947	—18.0	—0.80			334	4	
0.98	900	—18.0	0.00			320	5	
1.41	850	—18.0	0.00			309	5	
1.5	839	—18.2				309	5	
1.87	800	—18.6				309	5	
2.0	787	—18.8	0.14			313	5	
2.5	735	—19.3	0.10			313	6	
2.7	715	—19.5	0.10			316	5	
2.85	700	—20.3				318	4	
3.0	685	—21.0	0.50			321	4	332
3.98	600	—26.4	0.55			311	5	
5.0	520	—33.0	0.65			302	4	
5.26	500	—34.3				297	4	
6.0	450	—39.8	0.68			300	3	
6.78	400	—45.2				306	3	307
7.0	387	—47.0	0.72			306	4	
8.0	333	—52.1	0.51			306	7	
8.68	300	—55.6				313	7	
(8.74)	298	—56.0	0.53			313	7	287
9.0	285	—	—			312	8	
10.0	245	—	—			310	8	
11.0	210	—51.5	—			311	7	248
11.29	200	—51.0				305	6	
12.0	180	—49.3	—0.22			290	3	
13.0	155	—47.3	—0.20			259	3	240
14.0	133	—45.8	—0.15			232	4	
15.0	114	—44.4	—0.14			191	3	
15.85	100	—42.9				199	5	
16.0	97	—42.6	—0.18			202	5	
17.0	85	—41.5	—0.11			183	4	256
18.0	75	—40.9	—0.06			177	4	
19.0	65	—40.5	—0.04			174	4	
20.0	55	—40.5	0.00			165	4	302

Продолж. приложения

H	B	t	γ	U	q	d	V	W
20.7	50	—40.5	0.00			168	5	
21.0	48	—39.5	—0.33			169	5	
22.0	40	—38.8	—0.07			161	3	
22.8	35	—38.8	0.00					304

19.4 0149 φ = 76°19′ λ = 192°29′

2/0 Ci

0.0	026	—30.8		87		292	2	
0.17	000	—26.2				—	—	
0.2	997	—24.4	—3.20			—	—	
0.5	956	—18.7	—1.90			249	5	
0.88	908	—16.6	—0.55			266	4	
0.94	900	—16.6				268	4	
1.0	893	—16.6	0.00			270	5	
1.2	870	—16.6	0.00			271	5	
1.36	850	—16.7				268	4	
1.5	833	—16.8	0.07			271	4	
1.8	800	—17.4				279	4	
2.0	779	—17.8	0.20			277	4	
2.5	729	—19.0	0.24			272	6	
2.8	700	—20.0				271	5	
3.0	681	—20.7	0.34			271	5	310
3.93	600	—25.6				272	5	
4.0	595	—26.2	0.55			272	5	
5.0	519	—33.3	0.71			271	5	
5.24	500	—35.0						
6.0	449	—39.7	0.64					293
6.78	400	—45.4						
7.0	386	—47.2	0.75					
8.0	332	—53.0	0.58					270
8.64	300	—56.2						
8.72	297	—56.4	0.47					
9.0	283	—56.4	0.00					
9.52	262	—56.4	0.00					
10.0	242	—55.7	—0.15					
11.0	209	—53.3	—0.24					226
11.27	200	—52.8						
12.0	178	—51.5	—0.18					
13.0	153	—49.4	—0.21					226
14.0	131	—48.2	—0.12					
15.0	113	—46.4	—0.18					238
15.77	100	—45.0						
16.0	96	—44.6	—0.18					
17.0	83	—43.7	—0.09					252
18.0	72	—43.0	—0.07					

H	B	t	γ	U	q	d	V	W
20.4 0139 φ = 76°17′ λ = 192°32′								
				7,0 Ci, Cs				
0.0	030	—29.3		96		292	1	
0.21	000	—20.3	—4.29			347	4	
0.5	963	—17.1	—1.10			346	3	
0.65	943	—16.2	—0.60			343	2	
1.0	900	—16.2	0.00			028	2	
1.45	850	—16.2				003	1	
1.5	845	—16.2	0.00			003	1	
1.84	807	—16.2	0.00			321	1	
1.9	800	—16.4				306	1	
2.0	789	—16.8	0.38			293	1	
2.5	738	—18.4	0.32			307	1	
2.88	700	—19.6						
3.0	689	—20.0	0.32					303
4.01	600	—25.1	0.50					
5.0	523	—28.9	0.38					
5.31	500	—31.4						
6.0	454	—35.7	0.68					280
6.87	400	—40.7						
7.0	393	—41.7	0.60					
8.0	340	—48.0	0.63					244
8.8	300	—52.5						
9.0	290	—53.0	0.50					
9.9	253	—53.0	0.00					
10.0	250	—52.8	—0.20					175
11.0	214	—50.5	—0.23					164
11.44	200	—49.4						
12.0	184	—48.2	—0.23					
13.0	158	—45.9	—0.23					
13.82	140	—45.6	—0.04					164
21.4 0155 φ = 76°17′ λ = 192°35′								
				0,0				
0.0	030	—30.8		96		315	2	
0.21	000	—	—					
0.5	960	—	—					
0.97	900	—						
1.0	897	—	—					
1.4	850	—						
1.5	839	—	—					
1.85	800	—17.8						
2.0	784	—18.6	—					

H	B	t	γ	U	q	d	V	W
19.0	62	—42.4	—0.06					
20.0	53	—42.4	0.00					
20.3	50	—42.4						
21.0	46	—42.4	0.00					252
19.4 1359 φ = 76°18′ λ = 192°31′								
				0/0 Ci				
0.0	029	—22.4		96		292	2	
0.1	014	—22.6	0.20			—	—	
0.2	000	—22.3	—0.30			282	3	
0.5	961	—19.4				286	4	
0.55	955	—19.2	—0.89			277	3	
0.99	900	—19.2	0.00			283	4	
1.43	850	—19.2				285	3	
1.5	841	—19.2	0.00			289	3	
1.87	800	—19.2				283	2	
2.0	786	—19.2	0.00			287	2	
2.3	755	—19.2	0.00			283	3	
2.5	735	—19.7	0.25			280	4	250
2.85	700	—20.8				279	4	
3.0	686	—21.5	0.36			277	3	
3.97	600	—27.2				246	4	
4.0	597	—27.3	0.58			246	4	200
5.0	519	—32.1	0.48			274	5	
5.27	500	—33.1				283	6	
6.0	450	—37.1	0.50			301	9	
6.83	400	—42.1				301	13	194
7.0	390	—43.4	0.63			299	14	
8.0	336	—48.0	0.46			303	19	
8.73	300	—52.1				298	18	198
9.0	287	—53.1	0.51			296	17	
9.17	280	—54.1	0.59			296	17	
9.89	251	—54.1	0.00			294	14	
10.0	246	—53.7	—0.36			294	12	210
11.0	212	—50.5	—0.32			294	5	
11.33	200	—49.7				293	4	
12.0	182	—48.2	—0.23			275	2	206
13.0	157	—45.4	—0.28			293	2	
14.0	134	—43.4	—0.20			277	1	200
15.0	116	—41.8	—0.16			214	1	
16.0	100	—40.4	—0.14			154	2	200
17.0	86	—39.1	—0.13			113	3	
18.0	74	—38.4	—0.07			123	3	
19.0	62	—37.5	—0.09			154	4	
19.65	55	—37.4	—0.02					210

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.5	733	—20.1	0.30					
2.85	700	—21.7						
3.0	685	—22.5	0.48					320
3.98	600	—27.0	0.46					
5.0	519	—32.5	0.54					
5.27	500	—34.2						
6.0	449	—39.2	0.67					
6.79	400	—44.2						
7.0	388	—44.9	0.57					
7.2	376	—45.6	0.35					314

22.4 0155 φ = 76°17′ λ = 192°36′

8/0 Ci, Cs

0.0	031	—28.7		87		315	3	
0.22	000	—24.0	—2.14			353	5	
0.46	967	—17.1	—2.88			358	5	
0.5	962	—17.1				355	6	
1.0	900	—17.1	0.00			343	5	
1.3	866	—17.1	0.00			334	5	
1.44	850	—17.3				330	5	
1.5	843	—17.4	0.15			330	5	
1.88	800	—18.5						

H	B	t	γ	U	q	d	V	W
2.0	787	—18.9	0.30					
2.5	735	—20.2	0.26					
2.86	700	—21.1						
3.0	687	—21.3	0.22					329
4.0	600	—25.1	0.38					
5.0	522	—30.5	0.54					
5.3	500	—32.2						
6.0	452	—36.7	0.62					
6.86	400	—43.2						
6.9	398	—44.5	0.87					350

22.4 1352 φ = 76°17′ λ = 192°36′

8/0 Ci, Cs

0.0	034	—20.4		94	0.6	338	2	
0.2	005	—18.7	—0.85	94	0.7	001	5	
0.24	000	—18.7		94	0.8	002	5	
0.5	965	—18.7	0.00	95	0.8	003	6	
1.0	903	—18.7	0.00	96	0.8	026	4	
1.03	900	—18.7		96	0.8	022	4	
1.17	883	—18.7	0.00	96	0.9	013	4	
1.45	850	—19.1		97	0.8	001	5	
1.5	845	—19.2	0.15	97	0.8	358	5	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.9	800	—19.8		97	0.8	343	4	
2.0	789	—19.9	0.14	97	0.8	338	4	
2.5	737	—20.7	0.16	96	0.8	323	3	
2.88	700	—21.5		95	0.8	310	5	
3.0	689	—21.7	0.20	95	0.8	297	6	316
4.01	600	—26.8	0.50	93	0.5	306	8	
5.0	523	—32.4	0.57	91		275	7	
5.31	500	—34.5		91		273	8	
6.0	453	—38.8	0.64	90		273	10	
6.85	400	—43.5		88		303	18	371
7.0	391	—43.9	0.51	88		305	21	
8.0	337	—48.2	0.43	87		314	35	
8.75	300	—53.2		86				
9.0	288	—55.5	0.73	85				
9.32	274	—56.6	0.34	85				
10.0	246	—56.6	0.00	84				344
11.0	211	—52.8	—0.38	82				
11.33	200	—51.8						
12.0	180	—51.1	—0.17					268
13.0	155	—50.2	—0.09					
14.0	133	—49.2	—0.10					
15.0	115	—47.3	—0.19					
15.85	100	—45.6						

H	B	t	γ	U	q	d	V	W
16.0	97	—45.5	—0.18					
17.0	82	—45.5	0.00					265

23.4 0149 φ = 76°17′ λ = 192°35′

7/0 Ci, Cs

0.0	039	—26.9					0	
0.2	009	—20.4	—3.25					
0.27	000	—19.8						
0.5	970	—18.0	—0.80			060	2	
0.8	933	—16.2	—0.60			060	4	
1.0	908	—16.2	0.00			057	4	
1.07	900	—16.2				051	5	
1.34	869	—16.2	0.00			029	8	
1.5	850	—16.4	0.12			028	6	
1.95	800	—16.8				029	3	
2.0	794	—16.9	0.10			029	3	
2.5	744	—17.3	0.08			236	1	
2.66	728	—17.5	0.12			266	1	
2.94	700	—18.3				304	2	
3.0	695	—18.5	0.29			297	2	
4.0	608	—21.7	0.32			278	3	385
4.09	600	—22.0				270	3	

H	B	t	γ	U	q	d	V	W
5.0	530	—25.8	0.41			308	4	
5.4	500	—27.2				325	4	
6.0	461	—28.9	0.31			332	6	
7.0	400	—33.5	0.46			334	10	
8.0	347	—40.0	0.65			332	10	440
8.98	300	—46.4	0.65			329	22	
10.0	256	—54.5	0.79			324	26	
10.42	240	—57.3	0.67			325	25	
11.0	219	—57.3	0.00			326	23	
11.1	215	—57.3	0.00			325	22	
11.57	200	—56.3				324	19	
12.0	188	—54.4	—0.32			323	16	
13.0	160	—52.0	—0.24			317	12	
14.0	137	—51.0	—0.10			312	12	
15.0	117	—50.4	—0.06					506

23.4 1404 φ = 76°17′ λ = 192°34′

10/0 Ci, Cs

0.0	042	—19.8		86		135	1	
0.2	012	—21.1	0.65			106	3	
0.29	000	—20.8				099	4	
0.5	973	—19.4	—0.57			086	5	
0.9	923	—16.8	—0.65			081	4	
1.0	911	—16.8	0.00			088	4	
1.09	900	—16.8				096	4	
1.5	854	—16.8	0.00			105	2	
1.53	850	—16.8				109	2	
1.8	819	—16.8	0.00			146	2	
1.97	800	—17.7				168	2	
2.0	797	—17.8	0.50			171	2	
2.5	746	—19.2	0.28			216	2	
2.97	700	—20.4				242	2	
3.0	697	—20.5	0.26			244	3	330
3.56	647	—22.5	0.36			276	4	
4.0	609	—23.3	0.18			306	5	
4.1	600	—23.4	0.10			314	5	
4.8	543	—24.1				345	6	
5.0	530	—25.8	0.85			347	7	
5.41	500					349	7	
6.0	460		0.84			347	9	310
6.97	400	—41.8				330	8	
7.0	397	—42.0	0.78			330	9	
8.0	343	—48.2	0.62			336	11	
8.83	300	—55.0				339	16	250
9.0	292	—56.2	0.80			340	16	

H	B	t	γ	U	q	d	V	W
9.85	256	—60.0	0.45			334	21	
10.0	250	—60.0	0.00			334	22	
10.73	223	—60.0	0.00			330	15	247
11.0	214	—58.4	—0.59			332	13	
11.44	200	—55.0				328	11	
12.0	183	—53.5	—0.49			320	8	
13.0	156	—50.7	—0.28			314	5	
14.0	134	—50.0	—0.07			313	6	233
15.0	116	—49.4	—0.06			310	6	
15.95	100	—47.9				299	5	
16.0	99	—47.8	—0.16			299	4	
17.0	85	—46.8	—0.10			287	6	
18.0	74	—45.9	—0.09			288	5	290
19.0	64	—45.3	—0.06			298	4	
20.0	55	—44.6	—0.07					316

24.4 0149 φ = 76°17′ λ = 192°34′

8/0 Ci, Cs

0.0	043	—24.8		99		135	1	
0.2	014	—20.2	—2.30			—	—	
0.3	000	—18.2				180	4	
0.5	973	—16.5	—1.23			188	4	
1.0	911	—14.6				190	5	
1.05	905	—14.5	—0.36			191	5	
1.09	900	—14.5				192	5	
1.5	854	—14.5	0.00			202	2	
1.53	850	—14.5				204	2	
1.86	814	—14.5	0.00			242	2	
1.99	800	—15.0	0.38			265	2	
2.5	747	—16.5	0.29			270	2	293
3.0	700	—17.7	0.24					
4.0	612	—19.1	0.14					
4.15	600	—19.6						
5.0	534	—25.2	0.61					
5.47	500	—28.0						
6.0	463	—32.0	0.68					322
7.0	404	—38.4	0.64					
7.06	400	—39.0						
8.0	348	—46.3	0.79					
8.96	300	—53.4						
9.0	298	—53.6	0.73					308
10.0	254	—58.6	0.50					
10.6	230	—61.7	0.52					
10.88	221	—61.7	0.00					
11.0	217	—61.1	—0.50					247

Продолж. приложения

H	B	t	γ	U	q	d	V	W
11.5	200	—57.9						
12.0	185	—54.3	—0.68					
13.0	158	—52.6	—0.17					
14.0	135	—51.9	—0.07					228
15.0	116	—50.9	—0.10					
16.0	100	—48.7	—0.22					
16.2	97	—48.4	—0.15					233

24.4 1356 φ = 76°17′ λ = 192°32′

10,0 Cs (590)

0.0	043	—18.5		84		135	1	
0.1	029	—18.7	0.20			137	2	
0.2	015	—18.3	—0.40			153	3	
0.31	000	—17.5				162	2	
0.5	975	—16.7	—0.53			156	3	
0.8	937	—15.5	—0.40			169	2	
1.0	913	—15.5	0.00			—	1	
1.11	900	—15.5				—	1	
1.5	855	—15.5	0.00			145	2	
1.54	850	—15.5				142	1	
1.9	810	—15.5	0.00			—	1	
1.99	800	—15.8				—	1	

H	B	t	γ	U	q	d	V	W
2.5	746	—17.0	0.25			264	2	251
3.0	700	—17.7	0.14			271	2	
4.0	613	—19.4	0.17			280	5	
4.15	600	—20.1				280	6	
5.0	534	—24.0	0.46			286	7	248
5.47	500	—26.5				301	8	
6.0	465	—29.5	0.55					
7.0	404	—37.0	0.75					
7.06	400	—37.3						236
8.0	349	—43.8	0.68					
9.02	300	—50.6	0.67					241
10.0	257	—56.2	0.57					
10.68	232	—60.2	0.59					
11.0	221	—60.2	0.00					218
11.61	200	—55.1						
12.0	188	—53.2	—0.70					
13.0	161	—50.1	—0.31					216
13.32	153	—48.9	—0.37					
14.0	139	—48.9	0.00					
15 0	118	—48.9	0.00					
15.88	103	—48.9	0.00					212

Продолж. приложения

H	B	t	γ	U	q	d	V	W
7.0	406	—33.3	0.62					
7·11	400	—34.0						
8.0	352	—40.2	0.69					
9.0	304	—47.3	0.71					
9.09	300	—48.1						
10.0	261	—52.9	0.56					
10.8	230	—57.8	0.61					480

25.4 1354 φ = 76°18′ λ = 192°24′

0,0

0.0	046	—16.8		77		090	2	
0.2	019	—17.5	0.35					
0.33	000	—17.0						
0.5	978	—15.9	—0.53					
0.7	953	—14.6	—0.65					
1.0	916	—14.6	0.00					
1.14	900	—14.6						
1.5	858	—14.6	0.00					
1.57	850	—14.6						
1.65	840	—14.6	0.00					
2.02	800	—15.4	0.22					
2.5	750	—16.2	0.17					

25.4 0149 φ = 76°17′ λ = 192°29′

7/0 Ci, Cs

0.0	044	—25.0		99		090	1	
0.2	016	—18.0	—3.50			117	4	
0.3	000	—16.0				113	4	
0.5	975	—14.3	—1.23			102	4	
0.84	932	—12.9	—0.41			086	2	
1.0	913	—12.9	0.00			085	2	
1.11	900	—12.9				088	2	
1.5	856	—12.9	0.00			112	2	
1.55	850	—12.9				112	2	
1.9	812	—12.9	0.00			—	1	
2.0	800	—13.1	0.20			—	1	
2.5	750	—14.3	0.24			—	3	
3.0	703	—14.9	0.12			328	3	
3.03	700	—15.0				329	3	
4.0	615	—16.4	0.15			301	5	393
4.19	600	—17.0						
5.0	537	—21.3	0.49					
5.51	500	—23.5						
6.0	468	—27.1	0.58					

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.01	700	−16.7	0.10					350
4.0	615	−18.1	0.14					
4.17	600	−19.0						
5.0	537	−24.0	0.59					
5.51	500	−29.7						
6.0	467	−30.0	0.60					
7.0	405	−37.0	0.70					342
7.08	400	−37.4						
8.0	350	−45.0	0.80					
9.0	300	−50.8	0.58					
10.0	258	−57.0	0.62					
10.5	240	−60.3	0.66					
11.0	222	−60.3	0.00					
11.3	211	−60.3	0.00					
11.47	205	−58.9	−0.82					400

26.4 0129 φ = 76°19′ λ = 192°18′

3,0 Cs

0.0	047	−22.7		—		090	3	
0.2	019	−18.1	−2.30					
0.33	000	−15.8						
0.5	978	−14.3	−1.27					

H	B	t	γ	U	q	d	V	W
0.7	953	−13.3	−0.50					
1.0	916	−13.3	0.00					
1.13	900	−13.3						
1.5	859	−13.3	0.00					
1.57	850	−13.3						
1.95	809	−13.3	0.00					
2.0	803	−13.4	0.20					
2.03	800	−13.4						
2.5	753	−14.6	0.24					
3.0	705	−15.7	0.22					290
3.05	700	−15.8						
4.0	616	−18.0	0.23					
4.19	600	−18.5						
5.0	538	−22.8	0.48					220
5.53	500	−26.5						
6.0	468	−29.6	0.68					
7.0	407	−36.6	0.70					210
7.13	400	−37.3						
8.0	352	−43.1	0.65					
9.0	303	−49.0	0.59					220
9.06	300	−49.4						
10.0	260	−54.7	0.57					
11.0	222	−59.6	0.49					222

Продолж. приложения

H	B	t	γ	U	q	d	V	W
11.13	218	−60.2	0.46					
11.67	200	−60.2						
12.0	190	−60.2	0.00					214
13.0	163	−54.2	−0.60					
14.0	139	−51.8	−0.24					211
15.0	119	−50.9	−0.09					
16.0	102	−50.1	−0.68					
16.12	100	−50.0						
17.0	88	−49.3	−0.08					220
18.0	78	−47.8	−0.15					

26.4 1356 φ = 76°21′, λ = 192°14′

0/0

0.0	048	−16.0		91		112	5	
0.1	034	−16.4	0.40					
0.2	020	−16.2	−0.20					
0.35	000	−15.3						
0.5	980	−14.5	−0.57					
1.0	918	−12.7	−0.36					
1.15	900	−12.3						
1.2	895	−12.2	−0.25					
1.5	861	−12.2	0.00					

H	B	t	γ	U	q	d	V	W
1.61	850	−12.2						165
1.7	839	−12.2	0.00					
2.0	806	−12.8	0.20					
2.06	800	−12.9						
2.5	755	−14.0	0.24					
3.0	707	−15.8	0.36					158
3.07	700	−17.4						
4.0	619	−19.7	0.39					
4.22	600	−20.3						156
5.0	540	−24.3	0.46					
5.55	500	−27.3						
6.0	469	−30.9	0.66					155
7.0	406	−37.3	0.64					
7.1	400	−38.2						
8.0	351	−44.5	0.72					157
9.0	301	−51.0	0.65					
9.04	300	−51.4						166
10.0	258	−56.6	0.56					
10.62	235	−59.3	0.44					
11.0	221	−59.3	0.00					165
11.16	216	−59.3	0.00					
11.64	200	−55.7						
12.0	189	−54.0	−0.63					165

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H	B	t	γ	U	q	d	V	W
13.0	161	—50.5	—0.35					
14.0	139	—49.0	—0.15					169
15.0	119	—48.1	—0.09					
16.0	102	—47.6	—0.05					
16.12	100	—47.5						
16.46	95	—47.4	—0.04					190

27.4 0154 φ = 76°22′ λ = 192°11′

0/0

0.0	047	—22.5		97		135	5	
0.2	019	—18.6	—1.95			149	12	
0.33	000	—16.2				152	12	
0.5	978	—14.4	—1.40			152	12	
1.0	916	—12.4	—0.40			157	8	
1.13	900	—12.1				156	7	
1.5	858	—11.5	—0.18			154	8	
1.57	850	—11.5				153	7	
2.0	803	—12.2	0.14					
2.03	800	—12.3						
2.5	752	—13.3	0.22					
3.0	704	—14.9	0.32					
3.05	700	—15.1						383

H	B	t	γ	U	q	d	V	W
4.0	617	—20.2	0.53					
4.2	600	—20.6						
5.0	537	—24.3	0.41					
5.51	500	—27.0						
6.0	467	—30.2	0.59					
7.0	406	—37.0	0.68					
7.09	400	—37.6						
8.0	352	—43.8	0.68					420
9.0	303	—50.8	0.70					
9.05	300	—51.3						
10.0	258	—57.0	0.62					
10.6	232	—59.6	0.43					425

27.4 1434 φ = 76°23′ λ = 192°07′

0,0

0.0	047	—15.7		94		135	5	
0.2	020	—15.7	0.00			164	8	
0.34	000	—14.5				168	8	
0.5	979	—13.2	—0.83			167	7	
1.0	918	—11.5	—0.34			173	6	
1.15	900	—11.2				170	5	
1.5	860	—11.0	—0.10			156	4	

H	B	t	γ	U	q	d	V	W
1.59	850	—11.2				153	4	
2.0	806	—12.2	0.24			135	4	
2.06	800	—12.4				131	4	
2.5	755	—13.4	0.24			123	5	
3.0	708	—14.2	0.16			109	6	322
3.07	700	—14.4				106	6	
4.0	619	—19.0	0.48			072	3	
4.23	600	—20.4				062	2	
5.0	539	—24.0	0.50			344	2	
5.54	500	—27.5				360	3	240
6.0	469	—30.0	0.60			017	3	
7.0	407	—36.9	0.69			012	4	
7.1	400	—38.0				018	4	225
8.0	353	—43.1	0.62			030	5	
9.0	303	—50.4	0.73			022	6	
9.05	300	—50.7				021	6	
10.0	258	—56.4	0.60			020	7	
10.8	227	—59.9	0.44			024	6	220
11.0	220	—59.9	0.00			026	5	
11.4	207	—59.9	0.00			030	4	
11.59	200	—57.0				032	3	
12.0	189	—54.4	—0.92			031	4	230
13.0	162	—51.6	—0.28			015	2	

H	B	t	γ	U	q	d	V	W
14.0	138	—49.6	—0.20			004	3	230
15.0	120	—48.2	—0.14			031	3	
16.0	103	—46.8	—0.14			020	3	
16.2	100	—46.5				024	3	232
17.0	89	—45.3	—0.15					

28.4 0149 φ = 76°25′ λ = 192°07′

0,0

0.0	047	—23.2		100		135	4	
0.2	019	—17.0	—3.10			169	7	
0.33	000	—15.4				166	5	
0.45	985	—13.8	—1.28			161	5	
0.5	978	—13.8				162	5	
1.0	916	—13.8	0.00			142	3	
1.14	900	—13.8				143	5	
1.5	859	—13.8	0.00			121	4	
1.57	850	—13.8						
1.9	813	—13.8	0.00					181
2.0	803	—14.0	0.20					
2.03	800	—14.1						
2.5	751	—14.9	0.18					

Продолж. приложения

H	B	t	τ	U	q	d	V	W
3.0	704	—16.0	0.22					155
3.04	700	—16.2						
4.0	616	—20.4	0.44					
4.19	600	—21.6						
5.0	538	—25.8	0.54					155
5.53	500	—28.7						
6.0	468	—31.7	0.59					157
7.0	407	—37.6	0.59					
7.11	400	—38.5						
8.0	351	—43.5	0.59					170
9.0	303	—49.4	0.59					
9.05	300	—49.5						
10.0	259	—54.1	0.47					167
11.0	222	—57.5	0.34					
11.25	214	—57.5	0.00					
11.64	200	—55.2						
12.0	189	—52.4	—0.68					168
13.0	163	—49.9	—0.25					
14.0	139	—49.7	—0.02					167
14.2	135	—49.7	0.00					

28.4 1349 φ = 76°26′ λ = 192°06′

0/0

H	B	t	τ	U	q	d	V	W
0.0	048	—16.5		89		112	3	
0.06	041	—17.1	1.00			102	3	
0.2	021	—17.1	0.00			128	5	
0.35	000	—17.1				119	5	
0.5	979	—17.1	0.00			110	4	
1.0	917	—17.1	0.00			103	5	
1.14	900	—17.1				100	5	
1.5	858	—17.1	0.00			089	5	
1.57	850	—17.1				087	5	
2.0	800	—17.1	0.00			072	7	
2.2	780	—17.1	0.00			068	8	
2.5	749	—17.8	0.23			068	9	
3.0	700	—19.4	0.32			062	11	294
4.0	613	—23.6	0.42			054	13	
4.16	600	—24.4				053	14	
5.0	534	—29.9	0.63					
5.47	500	—32.4						287
6.0	463	—35.3	0.54					
7.0	402	—42.6	0.73					

Продолж. приложения

H	B	t	τ	U	q	d	V	W
7.04	400	—42.8						
8.0	345	—49.4	0.68					
8.9	300	—54.5						258
9.0	295	—55.2	0.58					
9.6	269	—58.5	0.55					
10.0	251	—58.5	0.00					231
10.7	226	—58.5	0.00					
11.0	216	—56.5	—0.67					
11.46	200	—54.3						
12.0	185	—51.8	—0.47					226
13.0	159	—50.5	—0.13					
14.0	136	—49.3	—0.12					230
15.0	117	—48.2	—0.11					
16.0	101	—46.8	—0.14					
16.04	100	—46.7						191
17.0	87	—45.2	—0.16					
18.0	76	—44.0	—0.12					
18.6	69	—44.0	0.00					184

29.4 0106 φ = 76°26′ λ = 192°03′

5,0 Cs

0.0	043	—25.9		99		112	1	
0.2	015	—18.4	—3.75			104	5	
0.31	000	—17.0				093	6	

H	B	t	τ	U	q	d	V	W
0.5	974	—15.5	—0.97			081	6	
0.8	936	—13.8	—0.57			075	7	
1.0	912	—13.8	0.00			075	8	
1.1	900	—13.8				074	8	
1.5	854	—13.8	0.00			072	9	
1.54	850	—13.8				072	9	
1.99	800	—13.8	0.00			069	10	
2.4	758	—13.8	0.00			066	11	
2.5	748	—14.4	0.60			066	11	
3.0	700	—16.2	0.36			064	12	284
4.0	614	—20.0	0.38			061	17	
4.17	600	—20.8				061	18	
5.0	536	—24.8	0.48			057	22	265
5.5	500	—27.5				061	26	
6.0	466	—29.9	0.51			062	25	
7.0	405	—35.6	0.57					
7.08	400	—36.2						234
8.0	349	—42.0	0.64					
9.0	300	—48.7	0.67					204
10.0	258	—54.4	0.57					
10.41	242	—56.8	0.59					
11.0	221	—56.8	0.00					
11.14	216	—56.8	0.00					

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
11.6	200	—54.7						
12.0	188	—53.1	—0.43					
12.3	179	—52.6	—0.17					200

29.4 1351 φ = 76°26′ λ = 191°56′

0,0 Cs

0.0	037	—17.0		92		045	6	
0.2	009	—17.0	0.00					
0.26	000	—16.9						
0.5	989	—16.4	—0.20					
0.9	919	—15.5	—0.23					
1.0	907	—15.5	0.00					
1.06	900	—15.5						
1.5	850	—15.5	0.00					
1.95	800	—15.5						
2.0	795	—15.5	0.00					
2.16	777	—15.5	0.00					
2.5	743	—16.5	0.29					
2.95	700	—18.0						278
3.0	695	—18.4	0.38					
4.0	607	—23.0	0.46					
4.15	600	—23.6						
5.0	529	—27.0	0.40					230
5.41	500	—29.5						
6.0	459	—32.0	0.50					
7.0	400	—37.9	0.59					220
8.0	345	—43.2	0.53					
8.93	300	—48.4						231
9.0	297	—48.7	0.55					
10.0	254	—52.7	0.40					
10.5	235	—54.6	0.38					
10.88	232	—54.6	0.00					
11.0	218	—54.0	—0.50					
11.59	200	—51.3						255
12.0	187	—49.2	—0.48					
13.0	160	—46.8	—0.24					262
14.0	138	—45.7	—0.11					
15.0	119	—44.9	—0.08					
16.0	103	—43.4	—0.15					
16.15	100	—43.1						280
17.0	88	—42.4	—0.10					
18.0	77	—41.7	—0.07					
19.0	66	—40.9	—0.08					
20.0	57	—39.8	—0.11					330
21.0	50	—39.1	—0.07					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
22.0	42	—38.6	—0.05					
23.0	36	—38.2	—0.04					
24.0	31	—37.6	—0.06					
25.0	27	—37.0	—0.06					
26.0	23	—36.5	—0.05					
26.4	21	—36.2	—0.08					455

30.4 0235 φ = 76°25′ λ = 191°44′

5/3 —

0.0	030	—20.9		99	0.6	045	6	
0.21	000	—17.4	—1.67	99	0.8			
0.5	963	—14.9	—0.86	100	1.0			
0.64	947	—13.9	—0.72	100	1.2			
1.02	900	—13.9	0.00	100	1.3			
1.45	850	—13.9		100	1.3			
1.5	844	—13.9	0.00	100	1.4			
1.71	821	—13.9	0.00	100	1.4			
1.91	800	—14.4		100	1.4			
2.0	790	—14.7	0.28	100	1.4			
2.5	739	—16.5	0.36	100	1.2			
2.9	700	—19.5		100	1.0			
3.0	691	—20.3	0.76	100	0.9			333
4.0	604	—24.5	0.42	100	0.7			367
4.04	600	—24.7		100	0.7			
5.0	525	—29.7	0.52	100	0.5			
5.35	500	—32.2		100				
6.0	455	—36.2	0.65	99				
6.89	400	—42.2		97				
7.0	393	—42.9	0.67	97				
8.0	339	—49.9	0.70					289
8.79	300	—52.8						
9.0	290	—53.7	0.38					
9.83	256	—53.7	0.00					212
10.0	249	—52.9	—0.47					
11.0	213	—49.7	—0.32					
11.37	200	—48.8						
12.0	181	—47.6	—0.21					
12.32	173	—46.9	—0.22					
13.0	154	—46.9	0.00					
14.0	133	—46.9	0.00					201

30.4 1355 φ = 76°25′ λ = 191°26′

10/0 Ci, Cs

0.0	027	—13.1		100	045	12		
0.2	000	—11.3	—0.90		067	12		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.5	962	— 8.8	—0.83			072	12	
0.64	945	— 7.6	—0.86			071	16	
1.02	900	— 7.6	0.00			067	15	
1.47	-850	— 7.6				073	14	
1.5	847	— 7.6	0.00			074	14	
1.6	835	— 7.6	0.00			077	12	
1.93	800	— 9.2				087	8	
2.0	792	— 9.6	0.50			087	8	
2.5		—12.4	0.56			079	11	232
2.94		—14.8				080	9	
3.0	694	—15.2	0.56			080	9	
4.0	607	—21.8	0.66					
4.09	600	—22.3						247
5.0	531	—25.7	0.39					
5.43	500	—27.7						
6.0	462	—31.2	0.55					174
7.0	400	—36.3	0.51					
8.0	345	—43.4	0.71					175
8.75	309	—49.0	0.75					
8.94	300	—49.0						
9.0	297	—49.0	0.00					
9.95	257	—49.0	0.00					
10.0	255	—48.7	—0 60					175

1.5 0149 φ = 76°24′ λ = 191°04′

10/0 Cs

H	B	t	γ	U	q	d	V	W
0.0	026	—17.1		94	0.8	045	9	
0.19	000	—15.2	—1.00	94	0.9			
0.3	985	—12.8	—2.18	93	1.2			
0.5	960	—12.8	0.00	93	1.2			
0.99	900	—12.8	0.00	92	1.3			
1.43	850	—12.8		91	1.4			
1.5	841	—12.8	0.00	90	1.4			
1.87	800	—12.8		89	1.4			
2.0	786	—12.8		89	1.4			
2.04	783	—12.8	0.00	89	1.4			
2.5	737	—15.1	0.50	89	1.2			
2.89	700	—16.7		89	1.2			
3.0	689	—17.4	0.46	89	1.1			322
4.0	603	—23.6	0.62	89	0.7			
4.03	600	—23.7		89	0.7			
4.77	542	—28.2	0.60	89	0.4			
5.0	525	—28.8	0.26	89	0.4			
5.35	500	—29.6	0.23	89	0.4			
6.0	455	—32.4	0.43					290

Продолж. приложения

H	B	t	γ	U	q	d	V	W
6.89	400	—38.2						
7.0	393	—38.8	0.64					
8.0	340	—46.0	0.72					236
8.82	300	—52.4						
9.0	292	—54.0						
9.06	290	—54.5	0.80					
9.59	266	—54.5	0.00					
10.0	250	—53.1	—0.34					195
11.0	214	—49.0	—0.41					
11.45	200	—48.0						
12.0	184	—47.0						
12.08	182	—46.7	—0.21					
13.0	158	—46.7	0.00					
14.0	136	—46.7	0.00					195

2.5 0152 φ = 76°23′ λ = 190°55′

10/0 As

H	B	t	γ	U	q	d	V	W
0.0	030	—17.8		99		015	5	
0.2	003	—16.2	—0.80			065	10	
0.23	000	—16.1				068	10	
0.5	965	—13.2	—1.00			072	10	
1.0	904	—13.2	0.00			070	10	
1.03	990	—13.2				009	10	
1.14	888	—13.2	0.00			067	10	
1.46	850	—13.8				067	10	
1.5	845	—14.0	0.22			068	10	
1.92	800	—14.8				070	9	
2.0	791	—15.0	0.20			068	9	
2.5	741	—16.7	0.34			060	8	
2.92	700	—19.0				065	11	
3.0	692	—19.5	0.56			065	11	346
4.0	604	—24.3	0.48			065	10	
4.05	600	—24.5				065	10	
5.0	526	—28.8	0.45			069	9	
5.35	500	—31.1				070	9	
6.0	456	—34.1	0.53			070	9	
6.9	400	—39.2				102	7	318
7.0	395	—40.0	0.59			103	7	
8.0	341	—46.3	0.63			115	8	
8.84	300	—53.0				125	12	
9.0	294	—54.2	0.79			120	11	255
10.0	248	—54.2	0.00			135	7	
11.0	214	—48.9	—0.53			149	4	213
11.43	200	—47.8				150	4	
12.0	183	—47.2	—0.17			158	4	

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Продолж. приложения

H	B	t	τ	U	q	d	V	W
13.0	158	—46.6	—0.06			177	5	
14.0	136	—46.6	0.00			148	7	
14.5	126	—46.6	0.00					210
		2.5 1338 φ = 76°23′ λ = 190°50′						
		10/0 Ci, Cs						
0.0	033	—13.2		89		022	5	
0.06	024	—13.6	0.67			—	—	
0.2	004	—13.6	0.00			048	7	
0.23	000	—13.6				050	8	
0.5	965	—13.6	0.00			056	6	
1.0	905	—13.6	0.00			049	6	
1 04	900	—13.6	0.00			048	6	
1.49	850	—14.7	0.24			050	6	
1.94	800	—15.9				058	6	
2.0	794	—16.1	0.27			059	6	
2.5	743	—18.5	0.48			069	6	
2.95	700	—19.6				063	7	
3.0	695	—19.8	0.26			065	7	304
4.0	607	—25.3	0.55			078	7	
4.09	600	—25.6				078	7	
5.0	528	—29.9	0.46			094	5	
5.38	500	—33.0				084	4	282
6.0	456	—35.1	0.52			086	5	
6.91	400	—42.0						
7.0	395	—42.4	0.73					
8.0	342	—45.7	0.33					
8.87	300	—50.4						265
9.0	295	—50.8	0.51					
9.3	281	—52.5	0.57					
10.0	252	—52.5	0.00					
11.0	217	—48.4	—0.41					235
11.54	200	—47.6						
12.0	186	—47.2	—0.12					
13.0	160	—45.9	—0.13					250
14.0	138	—45.3	—0.06					
15.0	119	—44.6	—0.07					
16.0	102	—44.0	—0.06					230
16.1	100	—44.0						
17.0	88	—43.5	—0.05					
18.0	76	—43.0	—0.05					228
19.0	64	—42.8	—0.02					
19.45	59	—42.8	0.00					232

Продолж. приложения

H	B	t	τ	U	q	d	V	W
		3.5 0139 φ = 76°22′ λ = 190°49′						
		8,0 Ci						
0.0	033	—20.6		100		045	3	
0.2	005	—17.1	—1.75			068	8	
0.23	000	—16.8				067	8	
0.4	977	—13.7	—1.70			066	8	
0.5	965	—13.7	0.00			067	7	
1.0	904	—13.7	0.00					
1.04	900	—13.7						
1.4	858	—13.7	0.00					
1.47	850	—13.9						
1.5	847	—14.0	0.30					
1.93	800	—15.0						
2.0	792	—15.3	0.26					
2.5	740	—17.5	—0.44					
2.91	700	—19.0						337
3.0	692	—19.2	0.34					
4.0	604	—23.7	0.45					
4.05	600	—24.0						
5.0	525	—29.7	0.60					
5.35	500	—31.4						
6.0	455	—34.4	0.47					345
6.9	400	—39.8						
7.0	394	—40.4	0.60					
8.0	340	—46.3	0.59					
8.42	319	—50.2	0.93					
8.83	300	—50.2						
9.0	293	—50.2	0.00					290
10.0	251	—50.2	0.00					
10.4	236	—50.2	0.00					
11.0	216	—48.7	—0.25					
11.5	200	—47.2						270
12.0	184	—46.3	—0.24					
13.0	158	—45.3	—0.10					
14.0	135	—44.9	—0.04					310
15.0	117	—44.4	—0.05					
16.0	101	—43.9	—0.05					
16.08	100	—43.8						
17.0	88	—43.4	—0.05					
18.0	76	—43.4	0.00					
19.0	66	—43.4	0.00					310
19.5	60	—43.4	0.00					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
4.5 01.49 φ = 76°22′ λ = 190°45′								
8/0 Ci, Cc								
0.0	033	—20.6		100	0.6	045	3	
0.2	005	—	—	—		096	10	
0.24	000	—		—		096	10	
0.5	966	—	—	—		084	9	
1.0	903	—	—	—		090	10	
1.04	900	—		—		089	10	
1.45	850	—		—		092	10	
1.5	845	—	—	—		094	10	
1.92	800	—15.0		99	1.2	087	9	
2.0	791	—15.2		99	1.2	088	10	
2.5	741	—17.0	0.36	87	1.0	098	11	
2.92	700	—18.8		76	0.8	093	9	283
3.0	692	—19.1	0.42	73	0.7	093	8	
4.0	606	—24.9	0.58	73	0.5	104	6	
4.06	600	—25.2		73	0.5	105	6	
5.0	528	—30.1	0.52	73		106	5	
5.37	500	—32.0		73		095	3	244
6.0	457	—35.2	0.51	73		088	3	
6.93	400	—41.8		72		329	3	
7.0	395	—42.2	0.70	71		305	3	256
8.0	341	—48.8	0.66	69		232	3	
8.83	300	—54.0		68		203	4	
9.0	292	—54.9	0.61	68		207	4	
9.25	281	—56.4	0.60	68		192	4	
9.76	260	—56.4	0.00	67		151	3	
10.0	250	—54.9	—0.63	67		140	3	250
11.0	214	—49.7	—0.52	65		141	3	
11.45	200	—48.6		64		147	3	
12.0	183	—47.9	—0.18	64		146	3	
13.0	158	—47.1	—0.08	61		142	2	236
14.0	135	—46.4	—0.07	59		161	2	
15.0	117	—44.9	—0.15	57		164	1	234
16.0	101	—44.6	—0.03	54				
16.06	100	—44.6		54				
17.0	87	—44.6	0.00	53				237
4.5 1337 φ = 76°23′ λ = 190°45′								
8,0 Ci								
0.0	030	—14.8		99	1.0	063	5	
0.22	000	—14.4	—0.18	99	1.1	—	—	
0.5	965	—13.7	—0.25	98	1.2	097	8	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.6	952	—13.5	—0.20	98	1.2	098	10	
1.0	903	—13.5	0.00	98	1.3	098	8	
1.03	900	—13.5		98	1.3	098	9	
1.3	869	—13.5	0.00	97	1.4	098	9	
1.46	850	—13.8		97	1.4	098	9	
1.5	846	—13.9	0.20	97	1.4	098	9	
1.93	800	—15.0		95	1.2	104	8	
2.0	791	—15.1	0.24	95	1.2	105	8	
2.5	740•	—17.0	0.38	92	1.1	108	8	
2.92	700	—17.8		90	1.0	109	9	
3.0	692	—18.0	0.20	90	1.0	110	9	330
4.0	604	—23.6	0.56	85	0.7	118	9	
4.05	600	—23.9		85	0.6	118	9	
5.0	526	—29.3	0.57	85	0.4	126	6	
5.35	500	—30.8		85		129	6	
6.0	458	—34.7	0.54	84		115	7	
6.94	400	—38.9		84		112	7	315
7.0	396	—39.2	0.45	83		112	7	
8.0	342	—44.2	0.50	83		117	6	
8.93	300	—49.8		83		119	7	
9.0	297	—50.3	0.61	82		119	7	
9.68	268	—54.3	0.59	81		120	6	283
10.0	255	—53.5	—0.25	81		129	4	
11.0	219	—48.7	—0.48	80		124	4	
11.55	200	—47.3		80		143	5	
12.0	187	—46.1	—0.26	79		151	5	266
13.0	161	—44.3	—0.18	79		158	4	
14.0	139	—43.2	—0.11	78		166	3	
15.0	120	—42.7	—0.05	76		171	3	271
16.0	104	—42.0	—0.07	76		175	3	
16.25	100	—41.8				172	2	
17.0	89	—40.9	—0.11					273
18.0	78	—40.2	—0.07					
5.5 0133 φ = 76°28′ λ = 190°43′								
10,0 Ci								
0.0	026	—23.5		100		045	2	
0.19	000	—19.0	—2.37			081	4	
0.5	958	—	—			081	7	
0.98	900	—	—			086	8	
(1.14)	881	(—13.1)	—			086	9	
1.41	850	—13.7				094	9	
1.5	840	—14.0	0.25			096	9	
1.85	800	—14.7				101	10	
2.0	785	—15.1	0.22			102	10	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.5	735	−16.5	0.28			110	11	255
2.86	700	−17.8				111	9	
3.0	687	−18.6	0.42			113	8	
3.98	600	−23.2	0.47			116	9	
5.0	522	−28.5	0.52			113	6	174
5.31	500	−30.0				117	6	
6.0	454	−34.1	0.56			149	4	168
6.87	400	−39.4				125	3	
7.0	393	−40.4	0.63			122	5	174
8.0	339	−47.7	0.73			112	6	
8.8	300	−53.1				111	6	
8.88	296	−53.8	0.69			112	6	
9.0	290	−53.8	0.00			114	5	
9.6	265	−53.8	0.00			117	5	167
10.0	248	−52.0	−0.45			112	6	
10.34	236	−50.3	−0.50			149	6	160

5.5 1338 φ = 76°22′ λ = 190°36′

0,0 Ci, Ac

0.0	026	−15.6		100		045	2	
0.17	000	—				066	3	
0.2	997	—	—			072	3	

H	B	t	γ	U	q	d	V	W
0.5	958	−15.1				062	3	
0.86	914	−14.1	−0.28			076	4	
0.99	900	−14.4	0.23			075	4	
1.43	850	−15.9				081	5	
1.5	842	−16.0	0.31			081	5	
1.89	800	−16.7				084	6	
2.0	788	−16.9	0.18			085	6	
2.5	737	−18.6	0.34			082	5	
2.89	700	−20.4				083	5	
3.0	690	−21.2	0.52			084	5	310
4.01	600	−25.9	0.46			144	2	
5.0	523	−31.1	0.52			170	3	
5.29	500	−32.4				197	3	240
6.0	454	−37.3	0.62			198	3	
6.85	400	−42.8				226	3	
7.0	391	−43.9	0.66			226	3	198
8.0	337	−49.8	0.59			180	2	
8.17	329	−50.3	0.29			184	2	
8.77	300	−50.3				187	3	
9.0	290	−50.3	0.00			189	3	
9.21	280	−50.3	0.00			194	3	191
10.0	247	−46.5	−0.48			188	4	
11.0	215	−43.5	−0.30			192	4	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
11.47	200	−42.7				193	4	188
12.0	185	−42.7	−0.08			203	4	
13.0	160	−42.0	−0.07			210	3	177
14.0	138	−41.2	−0.08			194	3	
15.0	119	−40.6	−0.06			187	4	186
16.0	103	−40.0	−0.06			206	4	
16.17	100	−39.7				195	3	
17.0	88	−39.3	−0.07			184	3	205
18.0	78	−38.8	−0.05			188	3	
19.0	67	−38.1	−0.07			217	3	
20.0	58	−38.0	−0.01			207	3	
20.4	54	−38.0	0.00					235

6.5 0146 φ = 76°22′ λ = 190°42′

7,0 Ac, Ci

0.0	023	−21.8		100	0.5	022	2	
0.17	000	−16.8		99	0.9	058	5	
0.2	995	−16.6	−2.60	99	0.9	061	5	
0.46	961	−13.7	−1.12	97	1.2	068	6	
0.5	955	−13.7		96	1.2	066	6	
0.95	900	−13.7		94	1.2	073	5	
1.0	895	−13.7	0.00	94	1.2	071	6	

H	B	t	γ	U	q	d	V	W
1.4	850	−13.7		90	1.3	085	6	
1.5	839	−13.7	0.00	89	1.2	088	6	
1.85	800	−13.7		87	1.3	111	4	
1.9	795	−13.7	0.00	87	1.3	116	4	
2.0	784	−14.2	0.50	86	1.3	126	4	
2.5	733	−17.3	0.62	83	0.9	152	4	
2.85	700	−18.5		81	0.9	178	5	
3.0	685	−18.9	0.32	81	0.8	179	5	308
3.98	600	−24.8	0.60	81	0.6	151	2	
5.0	520	−29.4	0.45	81	0.4	195	4	
5.29	500	−31.6		81				282
6.0	451	−36.2	0.68	81				
6.79	400	−42.9						
7.0	389	−44.2	0.80					261
8.0	335	−51.3	0.71					
8.25	322	−52.9	0.64					
8.69	300	−52.9						
9.0	286	−52.9	0.00					
9.16	279	−52.9	0.00					
10.0	245	−50.0	−0.34					233
11.0	212	−45.8	−0.42					
11.36	200	−45.2						
12.0	181	−44.8	−0.10					

H	B	t	γ	U	q	d	V	W
12.44	170	—44.5	—0.07					
13.0	156	—44.5	0.00					231
14.0	134	—44.5	0.00					
14.5	124	—44.5	0.00					
15.0	115	—44.1	—0.08					225
15.9	100	—43.7						
16.0	98	—43.6	—0.05					
17.0	86	—43.1	—0.05					
17.3	82	—42.8	—0.10					225
18.0	75	—42.8	0.00					
19.0	63	—42.8	0.00					
19.65	58	—42.8	0.00					225

6.5 1358 φ = 76°21′ λ = 190°46′

9/0 Ci, Cc, Ac (348)

0.0	021	—11.5		100	1.4	090	2	
0.17	000	—11.5		92	1.3	101	3	
0.2	995	—11.5	0.00	91	1.3	103	3	
0.5	957	—11.5	0.00	83	1.2	137	5	
0.97	900	—11.5		(77)	1.2	161	5	
1.0	897	—11.5	0.00	(77)	1.2	161	5	
1.35	856	—11.5	0.00	(79)	1.3	168	5	
1.41	850	—11.7		(79)	1.3	168	6	
1.5	840	—11.8	0.20	(80)	1.3	168	6	
1.86	800	—12.9		(82)	1.3	175	5	
2.0	787	—13.7	0.38	(82)	1.2	179	5	
2.5	737	—15.7	0.40	(85)	1.2	174	6	
2.89	700	—17.9		(86)	0.9	169	5	
3.0	690	—18.5	0.56	(87)	1.0	169	3	360
4.0	602	—23.4	0.49	(92)	0.7	183	6	
4.03	600	—23.5		(92)	0.7			
5.0	525	—27.5	0.41	(94)	0.6			
5.36	500	—30.2		(92)				
6.0	456	—34.0	0.65	(89)				
6.89	400	—39.2		(85)				
7.0	394	—40.8	0.68	(84)				379
8.0	339	—49.0	0.82	(78)				
8.45	315	—51.0	0.44					
8.78	300	—51.0						
9.0	291	—51.0	0.00					
9.35	276	—51.0	0.00					
10.0	249	—48.4	—0.40					344
11.0	214	—44.7	—0.37					
11.44	200	—43.9						
12.0	184	—42.8	—0.19					

H	B	t	γ	U	q	d	V	W
12.41	173	—42.3	—0.12					
13.0	159	—42.3	0.00					302
13.14	156	—42.3	0.00					
14.0	138	—41.8	—0.06					
15.0	117	—41.1	—0.07					
16.0	101	—40.5	—0.06					
16.07	100	—40.5						
17.0	88	—40.5	0.00					320
17.66	80	—40.5	0.00					

7.5 1343 φ = 76°21′ λ = 190°48′

0.0

0.0	019	—10.8		85		135	3	
0.15	000	—11.4				148	6	
0.2	993	—11.5	0.35			148	6	
0.5	953	—12.0	0.17			157	6	
0.94	900	—12.6				151	8	
1.0	893	—12.7	0.14			150	8	
1.39	850	—14.6				142	8	
1.5	837	—15.2	0.50			141	8	
1.84	800	—17.4				141	8	
2.0	783	—18.2	0.60			140	8	
2.5	732	—20.2	0.40			140	8	268
2.83	700	—21.2				144	7	
3.0	684	—21.7	0.30			146	7	
3.95	600	—25.8				199	3	
4.0	596	—26.0	0.43			207	3	
5.0	519	—31.0	0.50			198	4	
5.26	500	—32.8				205	4	282
6.0	450	—38.0	0.70			199	5	
6.81	400	—45.6				195	7	
7.0	389	—46.9	0.89			196	7	
7.45	363	—51.1	0.93			202	5	
8.0	333	—52.5				206	7	
8.06	331	—52.7	0.26			207	7	279
8.76	300	—52.7				200	7	
8.82	297	—52.7	0.00			198	7	
9.0	289	—51.9	—0.44			197	7	
10.0	250	—46.7	—0.52			198	7	
11.0	216	—43.6	—0.31			189	5	265
11.49	200	—42.9				180	6	
12.0	186	—42.3	—0.13			184	7	
13.0	161	—42.3	0.00			192	7	258
14.0	139	—41.1	—0.12			194	7	
14.27	133	—40.9	—0.07			193	7	

H	B	t	γ	U	q	d	V	W
15.0	119	—40.9	0.00			198	8	
16.0	104	—40.9	0.00			204	7	259
16.22	100	—40.9				202	6	
17.0	90	—40.9	0.00			200	6	
17.12	87	—40.9	0.00			202	6	
18.0	77	—37.5	—0.39			207	6	
19.0	67	—37.5	0.00			211	6	
20.0	57	—37.5	0.00					261
21.0	50	—37.5	0.00					263
22.0	42	—37.5	0.00					
23.0	37	—37.5	0.00					
23.8	33	—37.5	0.00					263

8.5 0120 φ = 76°21′ λ = 190°48′

10/0 Cs

0.0	018	—18.4		100		135	2	
0.14	000	—14.7				188	3	
0.2	991	—13.3				187	4	
0.25	985	—12.0	—2.56			184	4	
0.5	951	—12.0	0.00			163	5	
0.93	900	—12.0				152	6	

H	B	t	γ	U	q	d	V	W
1.0	891	—12.0	0.00			153	6	
1.37	850	—14.0				157	6	
1.5	835	—14.6	0.52			157	6	
1.83	800	—16.4				157	5	
2.0	781	—17.0	0.48			159	5	
2.5	730	—18.8	0.36			173	3	
2.82	700	—20.3				190	3	
3.0	683	—21.0	0.44			201	3	
3.95	600	—24.6				215	5	353
4.0	595	—24.8	0.38			215	5	
5.0	519	—31.0	0.62			214	5	
5.27	500	—33.0				214	5	
6.0	450	—39.7	0.87			228	4	
6.79	400	—46.3				228	4	
7.0	387	—47.8	0.81			247	4	343
7.8	343	—53.5	0.71			237	6	
8.0	332	—53.5	0.00			233	7	
8.66	300	—53.5				220	8	
8.8	294	—53.5	0.00			221	8	
9.0	285	—52.9	—0.30			223	8	
10.0	244	—48.8	—0.41			217	9	312
11.0	210	—46.1	—0.27			211	8	
11.31	200	—45.9				212	7	

H	B	t	γ	U	q	d	V	W
12.0	180	—45.3	—0.08			194	8	275
13.0	155	—44.6	—0.07					
14.0	133	—44.2	—0.04					296
15.0	115	—43.8	—0.04					
16.0	100	—43.4	—0.04					
17.0	86	—43.0	—0.04					
18.0	74	—42.2	—0.08					
18.5	69	—41.9	—0.06					324
19.0	64	—41.9	0.00					
20.0	55	—41.9	0.00					
20.6	50	—41.9						
21.0	47	—41.9	0.00					318
21.25	45	—41.9	0.00					

8.5 1338 φ = 76°21′ λ = 190°47′

0/0

0.0	011	—10.8		94		202	1	
0.1	008	—12.4	1.60			217	3	
0.15	000	—12.4				215	4	
0.2	993	—12.4	0.00			214	5	
0.5	955	—12.4	0.00			200	5	
0.7	930	—12.4	0.00			212	4	

H	B	t	γ	U	q	d	V	W
0.95	900	—13.2				212	4	
1.0	895	—13.4	0.33			215	4	
1.39	850	—14.9				232	3	
1.5	838	—15.5	0.42			242	4	
1.85	800	—16.4				258	5	
2.0	783	—16.8	0.26			257	5	
2.5	732	—18.7	0.38			240	3	
2.83	700	—20.3				225	3	
3.0	684	—21.0	0 46			222	3	298
3.96	600	—24.3				212	4	
4.0	597	—24.5	0.35			211	4	
5.0	520	—30.0	0.55			203	8	
5.29	500	—31.8				213	8	280
6.0	451	—37.0	0.70			219	10	
6.81	400	—42.3				215	12	
7.0	389	—43.3	0.63			215	12	
8.0	335	—49.5	0.62			218	14	245
8.17	326	—50.5	0.59			220	14	
8.74	300	—50.5				223	15	
8.81	296	—50.5	0.00			224	16	
9.0	288	—49.5	—0.53			225	16	
10.0	248	—46.1	—0.34			221	15	229
11.0	214	—43.5	—0.26			220	12	

H	B	t	γ	U	q	d	V	W
11.44	200	—43.2				219	12	
12.0	184	—42.9	—0.06			217	12	
13.0	159	—42.4	—0.05			213	12	247
14.0	138	—41.9	—0.05			214	10	
15.0	118	—40.6	—0.13			205	9	
15.8	104	—39.7	—0.11					272

9.5 0128 φ = 76°21′ λ = 190°47′

9,0 Ci

0.0	019	—21.1		100	0.6	022	1	
0.14	000	—17.2		99	0.9	075	3	
0.2	992	—16.2	—2.45	99	1.0	124	2	
0.41	965	—12.8	—1.62	99	1.2		0	
0.5	653	—12.8		99	1.2		0	
0.94	900	—12.8		97	1.4	—	1	
1.0	893	—12.8	0.00	97	1.4	289	1	
1.3	858	—12.8	0 00	96	1.4	302	2	
1.37	850	—13.2		95	1.3	305	3	
1.5	835	—13.7	0.45	95	1.3	311	4	
1.82	800	—15.2		94	1.2	310	4	
2.0	781	—16.0	0.46	93	1.1	314	2	
2.5	732	—18.3	0.46	91	0.9	270	1	

H	B	t	γ	U	q	d	V	W
2.83	700	—19.4		88	0.9	214	2	
3.0	684	—20.0	0.34	88	0.9	210	3	
3.97	600	—24.0		83	0.6	210	7	327
4.0	599	—24.1	0.41	83	0.6	210	7	
5.0	521	—29.1	0.50	72	0.4	209	14	
5.3	500	—31.3		71		210	14	
6.0	455	—35.2	0.61	70		217	18	
6.89	400	—40.7		70		226	26	338
7.0	394	—41.0	0.58	70		226	26	
8.0	340	—46.2	0.52	69		225	38	
8.81	300	—51.8		69		227	38	
9.0	291	—51.8	0.56	68		227	35	294
9.65	265	—51.8	0.00	68		223	26	
10.0	251	—50.5	—0.37	67		219	22	
11.0	215	—46.4	—0.41	66				
11.46	200	—45.5		66				
12.0	185	—44.5	—0.19	65				245
13.0	160	—43.1	—0.14	64				
14.0	138	—42.3	—0.08	63				255
15.0	117	—41.6	—0.07					
16.0	101	—41.4	—0.02					273

H	B	t	γ	U	q	d	V	W
7.0	391	—38.3	0.57					373
8.0	339	—44.0	0.57					
8.82	300	—50.7						
9.0	292	—52.4	0.84					
9.44	272	—56.6	0.95					328
10.0	249	—56.6	0.00					
10.16	242	—56.6	0.00					
11.0	213	—51.9	—0.56					
11.43	200	—49.5						
12.0	183	—47.2	—0.47					293
13.0	157	—45.9	—0.13					
14.0	135	—45.4	—0.05					
15.0	115	—44.1	—0.13					
15.95	100	—41.9						298
16.0	99	—41.8	—0.23					

10.5 0158 φ = 76°23′ λ = 190°38′

10/10 St (26)

0.0	012	—13.8		100	1.1	090	5	
0.1	000	—14.2		100	1.1	094	7	
0.2	987	—14.8	0.50	100	1.1	103	8	
0.39	963	—14.8	0.00	100	1.1			

H	B	t	γ	U	q	d	V	W
0.0	017	—12.6		—		068	4	
0.13	000	—13.8				079	5	
0.2	991	—14.4	0.90			085	6	
0.5	953	—	—			092	7	
0.94	900	—				090	8	
1.0	893	—	—			090	8	
1.37	850	—				090	7	
1.5	835	—	—			089	7	
1.82	800	—14.9						
2.0	780	—15.1	—					
2.5	729	—16.0	0.18					
2.81	700	—17.3						
3.0	683	—18.3	0.46					339
3.96	600	—22.2						
4.0	596	—22.4	0.41					
5.0	520	—27.0	0.46					
5.28	500	—28.6						
6.0	451	—32.6	0.56					
6.85	400	—37.6						

H	B	t	τ	U	q	d	V	W
0.5	949	—12.4	—2.18	100	1.4			
0.89	900	—10.3	—0.54	100	1.7			
1.0	888	—10.4	0.09	100	1.8			
1.34	850	—11.4		85	1.4			
1.5	831	—11.9	0.30	84	1.3			
1.79	800	—12.7		81	1.3			
2.0	779	—13.4	0.30	80	1.2			
2.5	729	—15.7	0.46	76	1·1			
2.8	700	—16.7		76	1.0			279
3.0	681	—17.3	0.32	76	0.9			
3.95	600	—19.9		77	0.8			
4.0	596	—20.0	0.27	79	0.9			
5.0	520	—23.6	0.36	85	0.7			261
5.29	500	—25.9		85	0.5			
6.0	455	—29.5	0.59	85	0.5			
6.89	400	—34.0		85				
7.0	394	—34.6	0.51	85				216
8.0	341	—40.5	0.59	84				
8.85	300	—46.1		83				
9.0	293	—47.0	0.65	82				
9.57	269	—50.3	0.58	81				225
10.0	252	—50.3	0.00	81				
10.26	243	—50.3	0.00	80				

H	B	t	τ	U	q	d	V	W
11.0	217	—48.0	—0.31	79				211
11.52	200	—45.5		78				
12.0	186	—43.4	—0.46	77				
13.0	161	—42.4	—0.10	76				
14.0	139	—42.0	—0.04					221
15.0	120	—41.6	—0.04					
16.0	103	—41.3	—0.03					
16.21	100	—41.2						
17.0	89	—41.0	—0.03					254
18.0	78	—40.9	—0.01					
19.0	67	—40.9	0.00					285
20.0	58	—40.9	0.00					
21.0	50	—40.9	0·00					
22.0	44	—40.0						
22.04	43	—40.9	0.00					306

10.5 1343 φ = 76°25′ λ = 195°37′

10/10 St

0.0	006	—10.6		97	1.5	180	2	
0.05	000	—12.2		97	1.4	—	—	
0.2	979	—14.6		98	1.1	150	3	
0.29	967	—15.2	1.59	98	1.1	146	3	

H	B	t	τ	U	q	d	V	W
0.5	940	—15.2		98	1.1	125	3	
0.6	928	—15.2	0.00	98	1.1	113	3	
0.84	900	—13.3		99	1.2	152	1	
1.0	881	—12.8	—0.60	99	1.4			
1.28	850	—12.0		100	1.6			
1.5	826	—11.8	—0.20	100	1.6			
1.73	800	—12.3		100	1.6			
2.0	774	—13.0	0.24	100	1.6			
2.5	723	—14.9	0.38	100	1.4			
2.75	700	—15.9		100	1.4			
3.0	677	—16.8	0.38	100	1.3			
3.91	600	—20.5		100	1.0			333
4.0	593	—20.8	0.40	100	1.0			
5.0	518	—24.5	0.37	95	0.8			
5.25	500	—26.0		93	0.7			
6.0	451	—30.0	0.55	91	0.5			
6.85	400	—35.0		90				320
7.0	391	—35.8	0.58	90				
8.0	337	—43.4	0.76	88				
8.78	300	—49.6		87				
9.0	290	—51.0	0.76	87				
9.46	271	—52.8	0.39	86				
10.0	249	—52.8	0.00	85				344

H	B	t	τ	U	q	d	V	W
10.3	237	—52.8	0.00	85				
11.0	214	—47.8	—0.71	84				
11.42	200	—46.1		84				
12.0	183	—43.8	—0.40	83				
13.0	158	—42.6	—0.12	82				315
14.0	136	—42.1	—0.05	82				
15.0	117	—41.6	—0.05	82				341
16.0	100	—41.2	—0.04	82				
17.0	87	—40.6	—0.06	82				
18.0	74	—39.9	—0.07	82				
19.0	64	—39.7	—0.02					
20.0	56	—39.7	0.00					
20.8	50	—39.7						
21.0	48	—39.7	0.00					377
21.28	46	—39.7	0.00					

11.5 0138 φ = 76°25′ λ = 190°39′

10 10 Ξ

0.0	010	—18.4		100	0.7	270	3
0.07	000	—18.2		100	0.8		
0.2	983	—17.5	—0.45	100	0.8		
0.5	944	—15.6	—0.63	100	1.1		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.87	900	—12.9		92	1.4			
1.0	885	—12.4	—0.64	97	1.4			
1.31	850	—12.4		95	1.5			
1.5	829	—12.4	0.00	93	1.5			
1.77	800	—12.4		90	1.4			
2.0	777	—12.4		87	1.5			
2.06	771	—12.4	0.00	86	1.5			
2.5	727	—14.6	0.50	80	1.2			
2.79	700	—15.9		80	1.1			
3.0	681	—16.4	0.36	79	1.0			332
3.95	600	—20.0		78	0.9			
4.0	595	—20.2	0.38	78	0.9			
5.0	519	—24.9	0.47	76	0.6			
5.27	500	—26.6		76	0.5			
6.0	450	—32.1	0.72	75				
6.81	400	—37.1		74				311
7.0	390	—38.6	0.65	73				
8.0	336	—46.6	0.80	72				
8.74*	300	—52.1		70				
9.0	288	—53.5	0.69	70				
9.17	281	—54.5	0.59	70				
9.6	264	—54.5	0.00	69				310
10.0	248	—51.3	—0.80	69				
11.0	213	—49.4	—0.19	68				
11.4	200	—49.2		68				
12.0	183	—48.8	—0.06	68				280
13.0	159	—48.3	—0.05	68				
14.0	136	—46.1	—0.22	68				
15.0	118	—43.5	—0.26					282
16.0	102	—42.8	—0.07					
16.1	100	—42.8						
17.0	88	—42.3	—0.05					
17.44	82	—42.0	—0.07					284

11.5 1342 φ = 76°25′ λ = 190°42′

10/10 ☰ (6)

0.0	013	—13.9		100	1.1	338	2	
0.09	000	—16.0		98	0.9			
0.2	985	—17.1		97	0.9			
0.24	980	—17.2	1.38	96	0.9			
0.5	948	—14.6	—1.00	93	1.0			
0.86	905	—12.9	—0.47	88	1.2			
0.9	900	—12.9		87	1.2			
1.0	889	—12.9	0.00	84	1.2			
1.35	850	—12.9		77	1.2			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.5	832	—12.9	0.00	75	1.1			
1.6	821	—12.9	0.00	74	1.1			
1.8	800	—13.3		74	1.1			
2.0	779	—13.7	0.20	75	1.1			
2.5	729	—15.3	0.32	80	1.1			
2.8	700	—16.5		87	1.1			
3.0	681	—17.5	0.44	88	1.1			303
3.96	600	—20.9		84	0.8			
4.0	597	—21.0	0.35	83	0.8			
5.0	521	—25.1	0.41	72	0.6			
5.27	500	—26.5		71	0.5			265
6.0	451	—32.3	0.72	69				
6.85	400	—37.6		67				
7.0	392	—38.9	0.66	67				
8.0	339	—45.3	0.64	67				275
8.8	300	—51.6						
9.0	291	—52.6	0.73					
9.92	253	—52.6	0.00					
10.0	251	—52.1						
11.0	216	—46.1	—0.60					272
11.48	200	—44.8						
12.0	184	—43.8	—0.23					
13.0	159	—42.9	—0.09					266
14.0	137	—42.3	—0.06					
15.0	119	—41.5	—0.08					
16.0	102	—40.0	—0.15					279
16.1	100	—39.9						
16.64	92	—39.0	—0.16					
17.0	86	—39.0	0.00					
18.0	72	—39.0	0.00					276

12.5 0133 φ = 76°22′ λ = 190°31′

10/0 As (190)

0.0	011	—14.6		100		360	8
0.07	000	—15.3	1.00			352	9
0.2	983	—14.8	—0.38			359	11
0.43	954	—12.4	—1.04			002	13
0.5	945	—12.4	0.00			004	13
0.74	916	—12.4	0.00			006	16
0.88	900	—11.0	—1.00			012	11
1.0	887	—11.0	0.00			010	10
1.33	850	—11.0				009	10
1.5	832	—11.0	0.00			015	9
1.7	810	—11.0	0.00				
1.79	800	—11.1					

H	B	t	γ	U	q	d	V	W
2.0	779	—11.7	0.23					
2.5	729	—13.1	0.28					
2.81	700	—14.0						
3.0	683	—14.6	0.30					335
3.97	600	—19.0						
4.0	597	—19.3	0.47					
5.0	523	—24.3	0.50					
5.33	500	—26.0						
6.0	454	—30.0	0.57					
6.88	400	—36.1						
7.0	394	—37.0	0.70					417
8.0	341	—43.3	0.63					
8.85	300	—48.9						
9.0	292	—50.0	0.67					
9.3	280	—52.2	0.73					
10.0	252	—52.2	0.00					
11.0	216	—47.6	—0.46					367
11.48	200	—44.6						
12.0	186	—43.0	—0.46					
13.0	161	—42.0	—0.10					
14.0	139	—41.7	—0.03					303
15.0	119	—41.7	0.00					
16.0	103	—41.7	0.00					
16.16	100	—41.7						
17.0	88	—41.7	0.00					326
18.0	78	—41.7	0.00					
19.0	66	—41.7	0.00					
19.6	59	—41.7	0.00					326

13.5 0156 φ = 76°20′ λ = 190°25′

10/10 St

H	B	t	γ	U	q	d	V	W
0.0	009	—13.2		98	1.2	360	14	
0.06	000	—13.6		97	1.2			
0.14	990	—13.8	0.43	97	1.2			
0.2	982	—13.8		97	1.2			
0.5	945	—13.8	0.00	97	1.2			
0.88	900	—10.4		97	1.7			
1.0	886	—9.6	—0.84	97	1.8			
1.32	850	—	—	97	—			
1.5	831	—	—	97	—			
1.78	800	—	—	97	—			
2.0	778	—	—	97	—			
2.5	729	—	—	97	—			
2.81	700	—		96	—			
3.0	682	—	—	96	—			

H	B	t	γ	U	q	d	V	W
3.98	600	—16.8		96	1.3			363
5.0	524	—23.6	0.67	81	0.7			
5.33	500	—25.0		78	0.6			
6.0	456	—27.7	0.41	74	0.5			
6.93	400	—33.5		71				
7.0	396	—31.0	0.63	71				
8.0	343	—42.3	0.83	70				
8.88	300	—49.0		69				374
9.0	294	—50.4	0.81	69				
9.55	270	—54.2	0.69	69				
10.0	253	—54.2		68				357
10.04	251	—54.2	0.00	68				
11.0	218	—47.1	—0.74	67				
11.54	200	—44.6		66				
12.0	187	—43.8	—0.33	66				302
13.0	161	—43.1	—0.07	65				
14.0	140	—42.7	—0.01	64				
15.0	120	—42.7	0.00	62				
16.0	104	—42.4	—0.03	60				313
16.2	100	—42.4		60				
17.0	89	—42.1	—0.03	59				
18.0	78	—41.8	—0.03	57				
19.0	67	—41.4	—0.04	57				
20.0	58	—41.2	—0.02					325
21.0	50	—41.2	0.00					

13.5 1349 φ = 76°18′ λ = 190°20′

10/10 St (29)

H	B	t	γ	U	q	d	V	W
0.0	012	—10.1		100		022	10	
0.09	000	—						
0.2	986	—	—					
0.5	947	—	—					
0.9	900	—						
1.0	889	—	—					
1.16	871	—6.8						
1.35	850	—6.8						
1.5	835	—6.8	0.00					
1.83	800	—6.8						
2.0	782	—6.8	0.00					
2.5	733	—8.8	0.40					
2.87	700	—11.2						325
3.0	687	—12.0	0.64					
4.0	603	—17.8	0.58					
4.04	600	—18.0						
5.0	526	—22.8	0.50					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
5.36	500	—24.5						
6.0	457	—28.2	0.54					298
6.94	400	—33.1						
7.0	397	—33.5	0.53					
8.0	343	—40.4	0.69					
8.9	300	—49.0						272
9.0	296	—50.1	0.97					
9.86	260	—50.1	0.00					
10.0	254	—48.6	—1.07					
11.0	219	—43.7	—0.49					
11.59	200	—42.5						
12.0	189	—42.0	—0.17					240

14.5 0123 $\varphi = 76°18'$ $\lambda = 190°16'$

7/3 Ac (273), Sc

0.0	011	—6.8		100		158	4	
0.09	000	—6.7	—0.11			151	5	
0.2	985	—6.7	0.00			180	7	
0.5	947	—6.7	0.00			140	6	
0.89	900	—6.7				175	12	
1.0	888	—6.7	0.00			174	13	
1.35	850	—6.7				173	14	
1.5	833	—6.7	0.00			172	13	
1.81	800	—7.7				163	13	
2.0	781	—8.7	0.40			156	13	
2.5	731	—11.7	0.60			150	12	
2.83	700	—14.0				141	12	
3.0	685	—15.2	0.70			137	11	292
4.0	600	—21.6	0.64					
5.0	524	—28.8	0.72					
5.33	500	—31.1						
6.0	455	—34.0	0.52					302
6.86	400	—36.9						
7.0	392	—37.4	0.34					
8.0	339	—44.7	0.73					
8.35	322	—46.0	0.37					
8.84	300	—46.0						874
9.0	292	—46.0	0.00					
9.1	288	—46.0	0.00					
10.0	251	—43.7	—0.26					
11.0	217	—42.6	—0.11					228
11.55	200	—42.2						
12.0	187	—41.8	—0.08					
13.0	162	—41.8	0.00					213
14.0	140	—41.8	0.00					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
15.0	120	—41.8	0.00					210
16.0	104	—41.7	—0.01					
16.22	100	—41.6						
17.0	90	—41.0	—0.07					
18.0	77	—40.4	—0.06					208

14.5 1332 $\varphi = 76°19'$ $\lambda = 190°16'$

10/10 Sc (172)

0.0	018	—3.5		87	2.4	135	10	
0.09	008	—4.2	0.78	87	2.3	126	13	
0.15	000	—4.2		86	2.3	126	13	
0.2	993	—4.2		84	2.4	127	14	
0.29	982	—4.2	0.00	84	2.4	132	14	
0.44	963	—2.8	—0.93	82	2.5	169	15	
0.5	955	—2.8		82	2.5	165	15	
0.68	934	—2.8	0.00	80	2.6	147	16	
0.97	900	—3.7		77	2.5	142	15	
1.0	897	—3.8	0.31	77	2.3	142	15	
1.43	850	—7.3		77	1.8			
1.5	842	—7.9	0.82	77	1.8			
1.89	800	—11.0		77	1.5			
2.0	789	—11.4	0.70	77	1.4			
2.5	739	—13.5	0.42	76	1.2			
2.91	700	—16.8		73	0.9			
3.0	691	—17.1	0.72	71	0.9			363
4.0	605	—23.1	0.60	61	0.5			
4.05	600	—23.5		59	0.5			
5.0	527	—28.4	0.53	42	0.2			
5.38	500	—29.7		42	0.2			
6.0	459	—32.5	0.41	53				354
6.95	400	—39.5		51				
7.0	396	—40.2	0.77	51				
8.0	340	—49.1	0.89	48				
8.14	300	—49.6	0.36	47				
9.0	292	—46.4	—0.37	44				
10.0	252	—44.2	—0.22	37				335
11.0	217	—41.7	—0.25	32				
11.55	200	—41.5		32				
12.0	187	—41.3	—0.04	32				
13.0	163	—40.8	—0.05	32				294
14.0	141	—40.3	—0.05	32				
15.0	123	—40.1	—0.02	32				
16.0	103	—40.1	0.00	32				311
16.3	100	—40.1	0.00	32				
17.0	89	—39.6	—0.07					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
5.36	500	−24.5						
6.0	457	−28.2	0.54					238
6.94	400	−33.1						
7.0	397	−33.5	0.53					
8.0	343	−40.4	0.69					
8.9	300	−49.0						272
9.0	296	−50 1	0.97					
9.86	260	−50.1	0.00					
10.0	254	−48.6	−1.07					
11.0	219	−43.7	−0.49					
11.59	200	−42.5						240
12.0	189	−42.0	−0.17					

14.5 0123 $\varphi = 76°18'$ $\lambda = 190°16'$

7/3 Ac (273), Sc

0.0	011	−6.8		100	158	4	
0.09	000	−6.7	−0.11		151	5	
0.2	985	−6.7	0.00		180	7	
0.5	947	−6.7	0.00		140	6	
0.89	900	−6.7			175	12	
1.0	888	−6.7	0.00		174	13	
1.35	850	−6.7			173	14	

H	B	t	γ	U	q	d	V	W
1.5	833	−6.7	0.00			172	13	
1.81	800	−7.7				163	13	
2.0	781	−8.7	0.40			155	13	
2.5	731	−11.7	0.60			150	12	
2.83	700	−14.0				141	12	
3.0	685	−15.2	0.70			137	11	292
4.0	600	−21.6	0.64					
5.0	524	−28.8	0.72					
5.33	500	−31.1						302
6.0	455	−34.0	0.52					
6.86	400	−36.9						
7.0	392	−37.4	0.34					
8.0	339	−44.7	0.73					
8.35	322	−46.0	0.37					874
8.84	300	−46.0						
9.0	292	−46.0	0.00					
9.1	288	−46.0	0.00					
10.0	251	−43.7	−0.26					228
11.0	217	−42.6	−0.11					
11.55	200	−42.2						
12.0	187	−41.8	−0.08					213
13.0	162	−41.8	0.00					
14.0	140	−41.8	0.00					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
15.0	120	−41.8	0.00					210
16.0	104	−41.7	−0.01					
16.22	100	−41.6						
17.0	90	−41.0	−0.07					
18.0	77	−40.4	−0.06					208

14.5 1332 $\varphi = 76°19'$ $\lambda = 190°16'$

10/10 Sc (172)

0.0	018	−3.5		87	2.4	135	10
0.09	008	−4.2	0.78	87	2.3	126	13
0.15	000	−4.2		86	2.3	126	13
0.2	993	−4.2		84	2.4	127	14
0.29	982	−4.2	0.00	84	2.4	132	14
0.44	963	−2.8	−0.93	82	2.5	169	15
0.5	955	−2.8		82	2.5	165	15
0.68	934	−2.8	0.00	80	2.6	147	16
0.97	900	−3.7		77	2.5	142	15
1.0	897	−3.8	0.31	77	2.3	142	15
1.43	850	−7.3		77	1.8		
1.5	842	−7.9	0.82	77	1.8		
1.89	800	−11.0		77	1.5		
2.0	789	−11.4	0.70	77	1.4		

H	B	t	γ	U	q	d	V	W
2.5	739	−13.5	0.42	76	1.2			
2.91	700	−16.8		73	0.9			
3.0	691	−17.1	0.72	71	0.9			363
4.0	605	−23.1	0.60	61	0.5			
4.05	600	−23.5		59	0.5			
5.0	527	−28.4	0.53	42	0.2			
5.38	500	−29.7		42	0.2			
6.0	459	−32.5	0.41	53				354
6.95	400	−39.5		51				
7.0	396	−40.2	0.77	51				
8.0	340	−49.1	0.89	48				
8.14	300	−49.6	0.36	47				
9.0	292	−46.4	−0.37	44				335
10.0	252	−44.2	−0.22	37				
11.0	217	−41.7	−0.25	32				
11.55	200	−41.5		32				
12.0	187	−41.3	−0.04	32				
13.0	163	−40.8	−0.05	32				294
14.0	141	−40.3	−0.05	32				
15.0	123	−40.1	−0.02	32				
16.0	103	−40.1	0.00	32				311
16.3	100	−40.1	0.00	32				
17.0	89	−39.6	−0.07					

H	B	t	γ	U	q	d	V	W
18.0	77	−38.5	−0.11					
19.0	67	−38.5	0.00					315

15.5 0127 φ = 76°23′ λ = 190°17′

10,10 St (57)

0.0	019	−4.8		90	2.2	090	1	
0.15	000	−5.2		88	2.3	079	3	
0.2	993	−5.4	0.30	88	2.1	076	3	
0.5	956	−6.2	0.27	88	2.1			
0.98	900	−6.7		88	2.2			
1.0	898	−6.8	0.12	87	2.1			
1.43	850	−7.2		78	2.0			
1.5	841	−7.3	0.10	78	1.9			
1.89	800	−8.0		78	1.9			
2.0	789	−8.4	0.22	78	1.9			
2.5	739	−10.9	0.50	78	1.6			
2.91	700	−13.0		78	1.4			
3.0	693	−13.7	0.56	78	1.3			353
4.0	607	−10.0	0.53	71	0.9			
4.08	600	−19.5		69	0.8			
5.0	529	−24.2	0.52	61	0.5			398

H	B	t	γ	U	q	d	V	W
0.0	024	−5.2		93	2.3	338	1	
0.19	000	−7.4	1.16	93	1.9			
0.5	961	−7.4	0.00	90	1.9			
0.82	922	−7.4	0.00	84	1.8			
0.93	910	−5.8	−1.45	81	2.0			
1.01	900	−5.8		80	2.1			
1.25	873	−5.8	0.00	76	2.0			
1.46	850	−7.2		72	1.8			
1.5	845	−7.4	0.64	71	1.7			
1.92	800	−8.7		55	1.3			
2.0	792	−9.0	0.32	49	1.1			
2.5	742	−10.4	0.28	49	1.0			
2.94	700	−12.6		49	0.9			
3.0	695	−12.9	0.50	49	0.9			327
4.0	610	−18.0	0.51	48	0.6			
4.12	600	−18.5		48	0.6			
5.0	533	−22.4	0.44	47	0.5			
5.46	500	−24.8		47	0.4			
6.0	464	−27.8	0.54	46	0.3			291

15.5 1347 φ = 76°24′ λ = 190°17′

10/10 St (10)

H	B	t	γ	U	q	d	V	W
7.0	403	−33.4	0.56	45				
7.04	400	−33.5		45				
8.0	348	−39.5	0.61	45				
9.0	302	−47.2	0.77	45				279
9.03	300	−47.6		44				
10.0	259	−54.8	0.76	44				
10.15	253	−56.2	0.93	44				
10.5	240	−56.2	0.00	43				
11.0	222	−52.4	−0.76	43				
11.64	200	−49.1		43				
12.0	189	−48.0	−0.44	43				303
13.0	163	−45.2	−0.28	43				
14.0	141	−44.1	−0.11	43				
15.0	122	−43.5	−0.06	43				314
16.0	105	−43.0	−0.05	43				
16.3	100	−42.8		43				
17.0	90	−42.4	−0.06					
18.0	78	−41.7	−0.07					365
19.0	67	−41.1	−0.06					
20.0	57	−40.5	−0.06					
20.86	50	−39.9						
21.0	49	−39.8	−0.07					
22.0	42	−39.2	−0.06					389

16.5 0127 φ = 76°25′ λ = 190°00′

10/10 ☰ (8)

0.0	026	−6.8		97	2.0	338	4	
0.2	000	−6.6	−0.10	96	2.1			
0.5	962	−4.6	−0.67	95	2.6			
0.6	950	−3.7	−0.90	94	2.8			
1.0	903	−3.7	0.00	90	2.9			
1.03	900	−3.7		86	2.8			
1.48	850	−3.7	0.00	67	2.3			
1.95	800	−5.3		51	1.5			
2.0	795	−5.5	0.35	51	1.5			
2.5	746	−7.9	0.48	51	1.3			234
3.0	700	−10.2	0.46	61	1.4			
4.0	614	−15.2	0.50	66	1.1			
4.17	600	−15.9		65	1.0			230
5.0	537	−21.3	0.61	65	0.6			
5.52	500	−24.8		65	0.5			
6.00	468	−27.4	0.61	64	0.4			217
7.0	405	−32.7	0.53	63				
7.1	400	−33.3		63				
8.0	352	−39.2	0.65	62				

Продолж. приложения

H	B	t	τ	U	q	d	V	W
9.0	304	—45.1	0.59	61				220
9.09	300	—45.7		61				
10.0	261	—52.4	0.73	61				
10.7	235	—56.5	0.59	60				
11.0	224	—56.5		60				231
11.04	223	—56.5	0.00	60				
11.75	200	—52.0		60				
12.0	192	—50.6	—0.61	59				
13.0	164	—46.8	—0.38	59				
14.0	142	—45.9	—0.09	57				252
15.0	121	—45.5	—0.04	56				
16.0	105	—45.1	—0.04	55				262
16.29	100	—45.0		55				
17.0	90	—44.7	—0.04	54				
18.0	78	—44.2	—0.05	53				
19.0	67	—43.8	—0.04	52				297
20.0	58	—43.4	—0.04	51				
21.0	50	—43.1	—0.03	51				
22.0	42	—43.1	0.00					329

16 5 1332 φ = 76°26′ λ = 189°58′

10/10 Sc (33)

0.0	023	—6.4		100		068	5	

H	B	t	τ	U	q	d	V	W
0.17	000	—6.9				076	8	
0.2	996	—7.0	0.30			080	9	
0.5	959	—7.7	0.23					
0.7	936	—8.1	0.20					
1.0	900	—3.9	—1.40					
1.44	850	—3.9						
1.5	844	—3.9	0.00					
1.91	800	—5.9						
2.0	791	—6.3	0.48					
2.5	741	—8.8	0.50					
2.95	700	—11.0						
3.0	695	—11.5	0.54					347
4.0	610	—16.5	0.50					
4.13	600	—16.9						
5.0	534	—20.8	0.43					
5.48	500	—24.0						
6.0	465	—28.0	0.72					329
7.0	405	—31.9	0.39					
7.07	400	—32.4						
8.0	349	—40.3	0.84					
9.0	303	—47.5	0.72					308
9.07	300	—48.5						
10.0	259	—55.0	0.75					

Продолж. приложения

H	B	t	τ	U	q	d	V	W
10.65	236	—55.0	0.00					
11.0	225	—52.4	—0.74					
11.8	200	—48.2						
12.0	194	—47.7	—0.47					300
13.0	167	—45.3	—0.24					
13.45	156	—44.1	—0.27					
14.0	144	—44.1	0.00					
15.0	125	—44.1	0.00					
16.0	108	—43.4	—0.07					303
16.56	100	—43.1						
17.0	94	—42.8	—0.06					
18.0	82	—41.3	—0.15					
19.0	72	—40.2	—0.11					360
20.0	63	—39.4	—0.08					
21.0	56	—38.7	—0.07					
21.9	50	—38.1						
22.0	49	—38.0	—0.07					
22.13	48	—37.9	—0.08					361

17.5 0121 φ = 76°28′ λ = 189°47′

10/10 Ξ, 9

0.0	020	—7.0		99	2.1	0.90	6	

H	B	t	τ	U	q	d	V	W
0.15	000	—7.2		98	2.1			
0.2	993	—7.3	0.15	98	2.1			
0.5	955	—8.5	0.40	95	1.9			
0.7	931	—8.7	0.10	94	1.9			
0.97	900	—5.7		93	2.5			
1.0	896	—5.5	—1.07	93	2.5			
1.3	863	—4.4	—0.37	88	2.6			
1.42	850	—4.5		84	2.6			
1.5	841	—4.6	0.10	81	2.5			
1.89	800	—5.5		70	2.1			
2.0	789	—5.8	0.24	68	2.0			
2.5	740	—8.0	0.44	60	1.6			
2.93	700	—10.0		56	1.3			
3.0	693	—10.2	0.44	56	1.3			324
4.0	609	—16.5	0.63	53	0.8			
4.1	600	—17.0		52	0.7			
5.0	533	—22.3	0.58	50	0.5			
5.45	500	—24.6		49	0.4			
6.0	463	—28.1	0.58	48	0.3			340
7.0	402	—33.8	0.57	48				
7.03	400	—34.0		48				
8.0	347	—40.3	0.65	48				
8.6	317	—45.2	0.82					356

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H	B.	t	τ	U	q	d	V	W
17.5 1411 φ = 76°28′ λ = 189°45′								
10/10 St (37)								
0.0	020	— 2.2		90	2.9	180	9	
0.15	000	— 2.7		90	2.8	152	10	
0.2	993	— 3.0	0.40	90	2.7	152	10	
0.5	955	— 5.6	0.87	88	2.2			
0.97	900	— 5.6		87	2.3			
1.0	896	— 5.6	0.00	87	2.3			
1.41	850	— 5.6		86	2.4			
1.5	841	— 5.6	0.00	85	2.4			
1.87	808	— 7.0		84	2.3			
2.0	786	— 8.1	0.50	84	2.1			
2.5	738	— 9.9	0.36	78	1.7			
2.91	700	—12.3		74	1.4			
3.0	692	—12.8	0.58	71	1.3			351
4.0	607	—19 0	0.62	62	0.7			
4.08	600	—19.7		62	0.7			
5.0	530	—26.1	0.71	57	0.4			
5.43	500	—28.9		57	0.3			
6.0	461	—33.2	0.71	57				
6.97	400	—42.4		57				
7.0	397	—42.7	0.95	57				339
8.0	342	—48.2	0.55	57				
8.84	304	—48.2	0 00					
8.93	300	—47.8						
9.0	295	—47.7	—0.31					267
10.0	254	—44.2	—0.35					
11.0	219	—43.3	—0.09					
11.59	200	—42.8						
12.0	187	—42 5	—0.08					240
13.0	162	—42 3	—0.02					
14.0	140	—42.3	0.00					242
15.0	121	—42.3	0.00					
16.0	104	—41.9	—0.04					
16.3	100	—41.4						278
17.0	90	—40.8	—0.11					
18.0	78	—40.8	0.00					
19.0	67	—40.2	—0.06					273
20.0	56	—39.3	—0.09					
18.5 0119 φ = 76°30′ λ = 189°42′								
10/10 Sc (191)								
0.0	021	— 6.5		100	—	135	4	
0.16	000	—	—	100	—	133	6	

H	B	t	τ	U	q	d	V	W
0.2	995	—		99	—	122	6	
0.5	958	—	—	96	—	153	7	
1.0	900	—	—	94	—	123	7	
1.44	850	—		93	—	137	7	
1.5	844	—	—	93	—	138	8	
1.91	800	—		92	—	145	9	
2.0	790	—	—	91	—	146	8	
2.5	740	—	—	90	—			
2.93	700	—		89	—			
3.0	693	—	—	89	—			299
4.0	607	—	—	86	—			
4.09	600	—		86	—			
5.0	530	—24.1	—	84	0.7			
5.43	500	—27.2		82	0.5			
6.0	461	—31.6	0.75	78				296
6.98	400	—39.3	0.79	73				
8.0	344	—45.7	0.63	73				268
8.91	300	—51.5						
9.0	296	—51.7	0.60					
9.1	291	—52 2	0.50					
10.0	254	—49.1	—0.34					256
11.0	218	—45.0	—0.41					
11.57	200	—44.1						
12.0	188	—43.6	—0.14					
13.0	162	—43.1	—0.05					264
14.0	139	—42.8	—0.03					
15.0	120	—42.3	—0.05					
16.0	104	—42.0	—0.03					273
16.25	100	—42.0						
17.0	91	—42.0	0.00					
18.0	78	—41.6	—0.04					
19.0	68	—41.3	—0.03					284
20.0	58	—40.9	—0.04					
21.0	50	—40.6	—0.03					
22.0	43	—40.1	—0.05					
23.0	38	—39.4	—0.07					
24.0	33	—39.1	—0.03					
24.33	31	—39.1	0.00					348
18.5 1329 φ = 76°32′ λ = 189°36′								
10,10 St (18)								
0.0	021	— 7.9		100	1.9	135	4	
0.16	000	— 9.5		100	1.7			
0.2	995	—10.1	1.10	100	1.6			
0.42	963	—10.1	0.00	95	1.6			

Продолж. приложения

H	B	t	τ	U	q	d	V	W
0.5	959	— 7.8		84	1.7			
0.6	946	— 5.8	−2.39	77	1.8			
1.0	900	— 5.8	0.00	59	1.5			
1.43	850	— 5.8		50	1.4			
1.5	843	— 5.8	0.00	50	1.4			
1.6	831	— 5.8	0.00	50	1.4			
1.9	800	— 6.4		50	1.4			
2.0	789	— 6.7	0.22	50	1.4			
2.5	741	— 9.3	0.52	50	1.2			
2.93	700	—11.6		50	1.0			
3.0	693	—11.9	0.52	50	1.0			353
4.0	609	—18.3	0.64	50	0.6			
4.1	600	—18.9		50	0.6			
5.0	532	—23.2	0.49	50	0.4			
5.44	500	—25.9		50	0.3			
6.0	462	—29.4	0.62	50	0.3			344
7.0	400	—37.1	0.77	50				
8.0	346	—43.8	0.67	50				
8.96	300	—50.5						
9.0	298	—50.6	0.68					338
9.28	286	—52.4	0.64					
10.0	256	—52.4	0.00					
10.18	249	—52.4	0.00					
11.0	220	—48.2	−0.51					
11.61	200	—45.7						
12.0	189	—44.5	−0.37					
13.0	163	—43 0	−0.15					
13.17	159	—42.9	−0.06					
14.0	140	—42.9	0.00					282
15.0	121	—42.9	0.00					
16.0	104	—42.9	0.00					
16.28	100	—42.6						
17.0	90	—42.0	−0.09					
18.0	77	—40.9	−0.11					317
19.0	67	—39.1	−0.18					
20.0	58	—37.4	−0.17					398
21.0	50	—36.5	−0.09					

19.5 0117 $\varphi = 76°32'$ $\lambda = 189°35'$

10 10 ♎

0.0	019	−10.9		100	1.5	135	1
0.16	000	—11.1		98	1.5	142	3
0.2	995	—11.1	0.10	98	1.5	149	5
0.5	958	— 5.5	−1.87	90	2.2	148	7
0.6	946	— 4.9	−0.60	85	2.2		
0.83	919	— 4.9	0.00	76	2.0		

Продолж. приложения

H	B	t	τ	U	q	d	V	W
0.99	900	— 5.3	0.25	65	1.8			
1.43	850	— 6.5		58	1.5			
1.5	842	— 6.8	0.29	55	1.4			
1.9	800	— 8.2		49	1.2			
2.0	789	— 8.7	0.38	48	1.2			
2.5	739	—11.1	0.48	45	0.9			
2.91	700	—13.4		43	0.7			
3.0	691	—13.8	0.54	42	0.7			327
4.0	606	—18.1	0.43					
4.07	600	—18.4						
5.0	530	—24.1	0.60					
5.4	500	—26.7						346
6.0	459	—30.5	0.64					
6.98	400	—37.2	0.68					
8.0	346	—44.9	0.76					
8.96	300	—48.0						
9.0	298	—48.3						
9.03	297	—48.6	0.36					
10.0	257	—48.6	0.00					339
10.22	248	—48.6	0.00					
11.0	221	—45.5	−0.40					
11.66	200	—44.5						
12.0	190	—43.9	−0.16					278
13.0	163	—43.1	−0.08					
14.0	141	—42.3	−0.08					
15.0	121	—41.7	−0.06					268
16.0	105	—41.3	−0.04					
16.32	100	—41.2						
17.0	91	—40.9	−0.04					
18.0	77	—40.8	−0.01					
19.0	67	—40.8	0.00					266

19.5 1330 $\varphi = 76°33'$ $\lambda = 189°33'$

2,0 Ci

0.0	017	— 7.8		87	1.7	112	2
0.13	000	— 9.1	1.00	85	1.5	135	3
0.2	991	— 9.1		84	1.5	142	4
0.5	952	— 9.1	0.00	80	1.5	138	5
0.94	900	— 9.1		77	1.5	142	3
1.0	893	— 9.1	0.00	76	1.5	144	3
1.27	863	— 9.1	0.00	74	1.9	150	5
1.39	850	— 9.5		74	1.5	152	5
1.5	839	— 9.8	0.30	73	1.4	153	5
1.86	800	—10.9		71	1.4	141	6
2.0	785	—11.3	0.30	70	1.3	140	6

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.5	735	—13.3	0.40	67	1.1	145	6	
2.87	700	—15.3		67	0.9	153	6	
3.0	689	—16.2	0.58	67	0.9	152	6	349
4.0	603	—23.0	0.68	67	0.5	147	6	
4.03	600	—23.4		67	0.5	148	6	
5.0	524	—30.5	0.75			158	6	
5.34	500	—32.9				163	6	
6.0	455	—36.6	0.61			178	6	329
6.87	400	—42.4				230	5	
7.0	392	—43.1	0.65			236	6	
8.0	338	—48.7	0.56			193	6	
8.3	323	—50.0	0.43			177	8	
8.78	300	—50.0				172	10	
9.0	290	—50.0	0.00			173	10	310
9.65	262	—50.0	0.00			171	9	
10.0	250	—48.8	—0.34			174	9	
11.0	215	—47.0	—0.18			187	7	
11.45	200	—46.5				180	6	
12.0	184	—46.1	—0.09			175	6	276
13.0	159	—44.7	—0.14			180	4	
14.0	137	—43.6	—0.11			173	3	
15.0	118	—42.7	—0.09			154	2	250
16.0	100	—40.7	—0.20			150	2	

H	B	t	γ	U	q	d	V	W
17.0	87	—39.3	—0.14			143	4	246
18.0	75	—38.7	—0.06			120	3	
19.0	65	—38.3	—0.04			100	3	
20.0	56	—38.3	0.00			116	4	248

20.5 0124 φ = 76°34′ λ = 189°34′

10/10 ☰

0.0	017	— 9.2		96	1.6	225	2	
0.13	000	—10.1	0.69	95	1.5			
0.2	990	—10.1		93	1.5			
0.34	971	—10.1	0.00	91	1.5			
0.5	952	— 8.2	—1.19	88	1.8			
0.8	916	— 7.1	—0.37	84	1.8			
0.94	900	— 7.2		82	2.0			
1.0	893	— 7.5	0.20	81	1.9			
1.4	850	— 8.3		66	1.4			
1.5	839	— 8.6	0.22	64	1.4			
1.86	800	—10.4		54	1.1			
2.0	785	—11.0	0.48	53	1.0			
2.5	735	—12.4	0.28	49	0.9			
2.88	700	—13.6		48	0.8			
3.0	689	—14.1	0.34	48	0.8			303

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
4.0	604	—20.8	0.67	45	0.4			
4.04	600	—21.0		45	0.4			
5.0	526	—27.0	0.62	42	0.3			
5.36	500	—29.1		41	0.2			
6.0	456	—32.7	0.57	40				292
6.93	400	—38.8		37				
7.0	396	—39.4	0.67	37				
8.0	342	—46.1	0.67	37				278
8.65	310	—49.3	0.49	37				
8.86	300	—49.3		37				
9.0	294	—49.3	0.00	37				
9.36	278	—49.3	0.00	37				
10.0	253	—47.9	—0.22	37				
11.0	216	—45.5	—0.24	37				256
11.54	200	—44.4		37				
12.0	186	—44.0	—0.15	37				
13.0	161	—43.5	—0.05	37				

H	B	t	γ	U	q	d	V	W
14.0	139	—43.0	—0.05	37				276
15.0	121	—42.6	—0.04	37				
16.0	104	—42.4	—0.02	37				
16.23	100	—42.4		37				
17.0	89	—42.4	0.00	37				
18.0	77	—41.4	—0.10					
19.0	67	—40.7	—0.07					294
20.0	57	—40.7	0.00					
20.87	50	— 40.7						
21.0	49	—40.7	0.00					
22.0	43	—40.7	0.00					
23.0	35	— 40.7	0.00					
23.26	34	—40.7	0.00					294

20.5 1327 φ = 76°34′ λ = 189°34′

10/10 Sc

0.0	019	— 7.6		100	2.0	315	4	
0.14	000	— 8.8		99	1.8	288	5	

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
0.	993	— 9.2	0.80	98	1.8	284	4		6.92	400	—38.0		65		237	15	
.	955	—11.6	0.80	96	1.4	288	3		7.0	396	—38.4	0.58	65		238	16	
0.7	930	—10.2	—0.70	94	1.7	299	4		8.0	341	—44.6	0.62	65		250	18	
0.95	900	—10.2		93	1.7	293	4		8.89	300	—49.2		65				
1.0	895	—10.2	0.00	92	1.7	291	4		9.0	294	—49.4	0.48	65				344
1.1	884	—10.2	0.00	91	1.7	288	4		9.34	280	—50.4	0.29					
1.4	850	—10.7		89	1.6	288	5		10.0	252	—50.4	0.00					
1.5	839	—10.9	0.17	89	1.6	286	5		11.0	216	—45.5	—0.49					
1.85	800	—11.4		86	1.6	261	7		11.51	200	—44.2						298
2.0	784	—11.8	0.18	85	1.4	256	7		12.0	186	—43.3	—0.22					
2.5	735	—13.3	0.30	80	1.3	246	7		13.0	160	—42.0	—0.13					
2.86	700	—14.9		75	1.1	244	7		14.0	139	—41.2	—0.08					300
3.0	687	—15.7	0.48	73	1.1	244	7	311	15.0	119	—41.2	0.00					
4.02	600	—21.6	0.58	65	0.6	234	9		16.0	104	—40.7	—0.05					
5.0	525	—27.8	0.63	65	0.4	221	10		16.27	100	—40.5						
5.35	500	—28.9		65	0.3	216	9		17.0	90	—40.2	—0.05					
6.0	645	—32.6	0.48	63		229	11	321	18.0	79	—39.6	—0.06					

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	a	V	W
19.0	69	—38.8	—0.08					380	1.5	841	—8.6	0.00	76	1.7			
20.0	59	—38.1	—0.07						1.87	800	—9.2		71	1.6			
21.0	50	—37.2	—0.09						2.0	787	—9.4	0.16	69	1.5			
22.0	44	—36.3	—0.09						2.5	737	—10.7	0.26	64	1.3			
23.0	37	—35.2	—0.11					387	2.89	700	—12.9		61	1.1			
24.0	33	—35.2	0.00						3.0	690	—13.6	0.58	61	1.0			313
25.0	30	—35.2	0.00						4.0	605	—18.3	0.47	59	0.8			
26.0	27	—35.2	0.00						4.05	600	—18.5		59	0.8			
26.6	26	—35.2	0.00					373	5.0	528	—23.5	0.52	59	0.5			
									5.38	500	—25.0		59	0.5			
									6.0	458	—29.3	0.58	59	0.4			352
									7.0	400	—35.4	0.61	51				
									8.0	346	—40.8	0.54	51				
									8.99	300	—46.0	0.53	51				
									9.84	263	—49.1	0.36	51				332
									10.0	257	—49.1	0.00	51				
									10.24	248	—49.1	0.00					
									11.0	222	—43.7	—0.71					
									11.67	200	—41.7						
									12.0	190	—41.2	—0.25					270
									13.0	164	—40.4	—0.08					
									14 0	142	—39.8	—0.06					
									15.0	123	—39.2	—0.06					270

21.5 0128 $\varphi = 76°35'$ $\lambda = 189°34'$

10/10 ☰

0.0	020	—11.8		93	1.2	248	1	
0.14	000	—11.8		100	1.6			
0.2	993	—11.8	0.00	100	1.4			
0.45	961	—11.8	0.00	100	1.4			
0.5	955	—11.0	—1.60	100	1.6			
0.75	925	—8.6	—0.96	97	1.9			
0.97	900	—8.6		93	2.0			
1.0	896	—8.6	0.00	92	1.9			
1.41	850	—8.6		81	1.8			

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.0	107	—39.0	—0.02					
16.47	100	—38.8						
17.0	92	—38.6	—0.04					
18.0	79	—38.4	—0.02					268
19.0	68	—38.0	—0.04					
20.0	60	—37.8	—0.02					267

21.5 1358 φ = 76°38′ λ = 189°34′

10,10 Ns (14)

0.0	019	—8.8		88	1.5	180	4	
0.15	000	—10.7		86	1.4			
0.2	992	—11.2	1.20	86	1.3			
0.3	979	—12.1	0.90	84	1.2			
0.5	953	—12.1		82	1.1			
0.58	943	—12.1	0.00	81	1.2			
0.8	917	—10.5	—0.73	79	1.3			
0.94	900	—10.5		75	1.3			
1.0	893	—10.5	0.00	71	1.3			
1.39	850	—10.5	0.00	65	1.2			
1.5	838	—10.6	0.09	64	1.2			
1.85	800	—11.2		60	1.1			
2.0	785	—11.5	0.18	58	1.0			
2.5	736	—13.6	0.42	51	0.8			
2.88	700	—15.1		50	0.7			
3.0	689	—15.6	0.40	49	0.7			330
4.02	600	—20.7	0.50	45	0.4			
5.0	525	—26.8	0.62	45	0.3			
5.36	500	—28.4		45	0.3			311
6.0	457	—33.8	0.70	45				
6.91	400	—39.6		45				
7.0	395	—40.2	0.64	45				
8.0	341	—47.1	0.69	45				
8.81	300	—52.5		45				
9.0	292	—53.9		45				296
9.08	288	—54.2	0.66					
9.52	270	—54.2	0.00					
10.0	251	—52.4	—0.38					257
11.0	215	—46.6	—0.58					
11.48	200	—45.3						
12.0	185	—44.2	—0.24					
13.0	159	—43.2	—0.10					251
14.0	137	—43.0	—0.02					
15 0	119	—41.9	—0.11					
16.0	103	—40.8	—0.11					
16.13	100	—40.6						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
17.0	88	—40.0	—0.08					256
18.0	77	—39.8	—0.02					
19.0	67	—38.4	—0.14					246
20.0	57	—37.5	—0.09					
21.0	50	—36.5	—0.10					
22.0	42	—35.7	—0.08					
23.0	37	—35.0	—0.07					239

22.5 0123 φ = 76°39′ λ = 189°34′

10,10 Ns (21)

0	016	—10.0		95	1.5	135	2	
0.13	000	— 6.3		92	1.9			
0.2	992	— 6.0	—2.00	91	2.1			
0.5	955	— 7.1	0.37	87	1.9			
0.71	929	— 9.0	0.90	84	1.6			
0.95	900	— 9.0		81	1.6			
1.0	895	— 9.0	0.00	80	1.6			
1.39	850	— 9.0		74	1.6			
1.5	837	— 9.0		72	1.5			
1.58	829	— 9.0	0.00	71	1.5			
1.85	800	—10.0		67	1.3			
2.0	785	—10.4	0.33	65	1.3			
2.5	735	—12.5	0.42	59	1.1			
2.88	700	—14.2		57	0.9			
3.0	689	—14.7	0.44	56	0.8			342
4.02	600	—19.3	0.45	52	0.6			
5.0	526	—24.8	0.56	52	0.4			
5.36	500	—26.9		52	0.3			
6.0	457	—29.9	0.51	52	0.3			
6.9	400	—34.9		51				322
7.0	394	—35.7	0.58	51				
8.0	341	—42.9	0.72	50				
8.89	300	—47.5		48				
9.0	294	—48.2	0.53	48				299
9.45	276	—50.9	0.60	48				
9.75	263	—50.9	0.00	48				
10.0	253	—50.0	—0.36	47				
11.0	217	—45.1	—0.49	46				
11.55	200	—42.9		46				
12.0	187	—41.8	—0.33	46				261
13.0	162	—41.0	—0.08	45				
14.0	140	—40.8	—0.02	45				
15.0	123	—40.6	—0.02	45				314
16.0	108	—40.5	—0.01	45				
16.65	100	—40.4						

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
17.0	95	—40.3	—0.02					
18.0	81	—40.0	—0.03					
19.0	68	—39.8	—0.02					337

22.5 1328 φ = 76°40′ λ = 189°34′

10/10 St (19)

0.0	015	— 8.9		90		180	5	
0.11	000	—10.5						
0.2	988	—11.4	1.25					
0.5	949	—13.8	0.80					
0.87	904	—10.5	—0.89					
0.91	900	—10.5						
1.0	889	—10.5	0.00					
1.36	850	—10.5	0.00					
1.5	834	—11.1	0.43					
1.83	800	—12.3						
2.0	782	—13.0	0.38					
2.5	731	—14.8	0.36					
2.83	700	—15.9						
3.0	684	—16.6	0.36					327
3.97	600	—21.9						
4.0	598	—22.0	0.54					
5.0	521	—28.0	0.60					
5.29	500	—29.3						
6.0	453	—34.0	0.60					
6.87	400	—40.4						372
7.0	393	—41.1	0.71					
8.0	339	—47.6	0.65					
8.35	322	—49.4	0.51					
8.81	300	—49.4						
9.0	291	—49.4	0.00					
10.0	251	—45.6	—0.38					391
11.0	216	—43.4	—0.22					
11.51	200	—42.5						
12.0	186	—42.2	—0.12					
13.0	161	—41.8	—0.04					
14.0	139	—41.4	—0.04					359
15.0	120	—41.0	—0.04					
16.0	103	—40.7	—0.03					
16.21	100	—40.6						
17.0	89	—40.0	—0.07					
18.0	77	—38.7	—0.13					
19.0	65	—38.7	0.00					
20.0	57	—38.7	0.00					358

Продолж. приложения

H	B	t	γ	U	q	d	V	W

23.5 0133 φ = 76°43′ λ = 189°36′

10/10 St (43)

0.0	013	— 7.2		86		180	8	
0.09	000	— 7.7				189	10	
0.2	985	— 8.2	0.50			182	10	
0.5	947	—10.1	0.63					
0.6	934	—10.8	0.70					
0.86	904	—10.8	0.00					
0.99	900	—10.4						
1.0	888	— 9.2	—1.14					
1.34	850	— 9.2						
1.5	833	— 9.2	0.00					
1.6	823	— 9.2	0.00					
1.83	800	—10.3						
2.0	781	—10.8	0.40					
2.5	732	—12.0	0.24					
2.84	700	—13.0						
3.0	685	—13.4	0.28					319
4.0	600	—18.7	0.53					
5.0	524	—23.9	0.52					
5.35	500	—26.2						
6.0	456	—30.8	0.69					281
6.91	400	—37.1						
7.0	394	—38.2	0.74					
8.0	340	—45.7	0.75					257
8.54	314	—49.3	0.67					
8.83	300	—50.2						
9.0	293	—50.7	0.30					
9.1	289	—51.0	0.30					
9.3	280	—51.0	0.00					
10.0	250	—47.3	—0.53					240
11.0	216	—43.9	—0.34					
11.51	200	—43.2						
12.0	186	—42.4	—0.15					
13.0	161	—41.8	—0.06					240
14.0	139	—41.4	—0.04					
15.0	121	—41.1	—0.03					
16.0	104	—40.8	—0.03					300
16.25	100	—40.7						
17.0	89	—40.5	—0.03					
18.0	79	—40.2	—0.03					
19.0	68	—40.0	—0.02					
20.0	59	—39.8	—0.02					399
21.0	52	—39.7	—0.01					
21.3	50	—39.6						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
22.0	44	−39.5	−0.02					
23.0	38	−39.3	−0.02					
24.0	34	−39.2	−0.01					
25.0	30	−39.0	−0.02					450
26.0	28	−38.9	−0.01					
27.0	25	−38.7	−0.02					
28.0	22	−38.1	−0.06					
29.0	20	−37.4	−0.07					
30.0	17	−37.0	−0.04					472
31.0	14	−37.0	0.00					
32.0	11	−37.0	0.00					
32.75	10	−37.0	0.00					473

23.5 1353 φ = 76°44′ λ = 189°41′

10/10 St (10)

0.0	009	− 5.6		87	2.1	180	11
0.07	000	− 5.6		87	2.1		
0.2	983	− 6.5	0.45	87	2.0		
0.46	952	− 8.6	0.81	87	1.7		
0.5	947	− 8.6		87	1.7		
0.7	923	− 8.6	0.00	87	1.7		
0.8	911	− 7.2	−1.40	87	2.0		

H	B	t	γ	U	q	d	V	W
0.89	900	− 7.2		84	2.0			
1.0	888	− 7.2	0.00	01	1.9			
1.34	850	− 7.2		59	1.5			
1.5	833	− 7.2	0.00	53	1.4			
1.7	811	− 7.2	0.00	50	1.3			
1.8	800	− 7.8		50	1.2			
2.0	780	− 9.0	0.00	50	1.2			
2.5	731	−10.7	0.34	40	1.0			
2.83	700	−11.9		48	0.9			
3.0	684	−12.3	0.32	47	0.9			449
4.0	600	−16.9	0.46	45	0.6			
5.0	525	−22.8	0.59	45	0.4			
5.35	500	−24.5		45	0.4			
6.0	458	−29.1	0.63	45	0.3			316
6.97	400	−34.8		45				
7.0	397	−35.0	0.59	45				
8.0	343	−41.8	0.68	45				
8.91	300	−46.2		45				
9.0	296	−46.6	0.48	45				268
9.34	279	−48.8	0.65					
9.86	259	−48.8	0.00					
10.0	254	−48.1	−0.50					
11.0	220	−41.9	−0.62					237

Продолж. приложения

H	B	t	γ	U	q	d	V	W
11.63	200	−40.7						
12.0	190	−40.4	−0.15					
13.0	163	−39.7	−0.07					
14.0	141	−39.1	−0.06					248
15.0	121	−39.1	0.00					
16.0	103	−39.1	0.00					
16.15	100	−39.1						
16.85	88	−39.1	0.00					253

24.5 0158 φ = 76°46′ λ = 189°45′

10/10 St (19)

0.0	008	− 5.2		90	2.2	225	5
0.07	000	− 6.6		93	2.0	249	7
0.2	981	− 7.5	1.15	95	2.0	249	8
0.5	945	−10.2	0.90	100	1.7		
0.87	900	−10.2		100	1.8		
1.0	886	−10.2	0.00	100	1.8		
1.33	850	−10.2		83	1.6		
1.5	831	−10.2	0.00	83	1.7		
1.67	813	−10.2	0.00	83	1.7		
1.79	800	−10.9		83	1.6		
2.0	778	−11.8	0.49	83	1.4		

H	B	t	γ	U	q	d	V	W
2.5	729	−14.1	0.46	69	1.1			
2.8	700	−15.3		64	0.9			
3.0	681	−16.4	0.46	60	0.8			343
3.94	600	−21.9		55	0.5			
4.0	595	−22.1	0.57	55	0.5			
5.0	520	−27.5	0.54	55	0.3			
5.27	500	−29.6		55	0.3			
6.0	452	−33.6	0.61	55				300
6.84	400	−41.0		55				
7.0	391	−41.9	0.83	55				
8.0	337	−47.9	0.60	55				
8.12	331	−48.3	0.33	55				
8.5	313	−48.3	0.00	55				
8.75	300	−48.0		55				
9.0	290	−47.3	−0.20	55				260
10.0	249	−43.2	−0.41	55				
11.0	216	−41.3	−0.19	55				
11.5	200	−41.0						245
12.0	185	−41.3	0.00					
13.0	160	−42.4	0.11					240
14.0	138	−42.4	0.00					
15.0	119	−42.4	0.00					
16.0	102	−42.4	0.00					

H	B	t	γ	U	q	d	V	W
16.14	100	—42.4						
16.6	93	—42.4	0.00					240

24.5 1333 φ = 76°50′ λ = 189°50′

10/10 St (72), *°

0.0	012	— 5.4		68	1.6	225	3	
0.09	000	— 6.1		74	1.7	207	4	
0.2	985	— 7.6	1.10	80	1.7	217	4	
0.5	949	— 9.6	0.67	78	1.4	246	4	
0.92	900	—12.6		76	1.1			
1.0	891	—12.7	0.62	76	1.1			
1.2	869	— 9.5	—1.60	74	1.5			
1.38	850	— 9.5		73	1.5			
1.5	835	— 9.5	0.00	71	1.4			
1.66	819	— 9.5	0.00	70	1.5			
1.84	800	—10.0		69	1.4			
2.0	783	—10.4	0.26	62	1.2			
2.5	733	—12.4	0.40	48	0.9			
2.85	700	—13.9		45	0.7			
3.0	687	—14.5	0.42	44	0.7			277
4.0	600	—18.8	0.43	39	0.5			
5.0	524	—25.6	0.68	38	0.3			
5.33	500	—27.2		38	0.2			276
6.0	455	—31.8	0.62	38				
6.91	400	—38.4		38				
7.0	394	—39.0	0.72	38				
7.76	354	—43.8	0.63	37				
8.0	340	—43.8	0.00	37				293
8.85	300	—43.8		36				
9.0	293	—43.8	0.00	36				
9.18	285	—43.8	0.00	35				
10.0	253	—41.3	—0.30	35				
11.0	219	—39.4	—0.19	34				316
11.32	209	—38.8	—0.19	34				
11.62	200	—38.8		34				
12.0	189	—38.8	0.00	34				
13.0	163	—38.8	0.00	33				
14.0	141	—38.8	0.00	32				322
14.15	138	—38.8	0.00	32				
15.0	121	—38.0	—0.09	32				
16.0	105	—37.2	—0.08	32				
16.36	100	—36.8						
17.0	92	—36.6	—0.06					
18.0	80	—35.8	—0.08					333
19.0	68	—35.6	—0.02					

H	B	t	γ	U	q	d	V	W
20.0	59	—35.4	—0.02					
21.0	52	—35.0	—0.04					
21.22	50	—34.8						
22.0	45	—34.3	—0.07					409
23.0	38	—33.3	—0.10					
24.0	33	—32.1	—0.12					
25.0	30	—31.7	—0.04					
26.0	26	—31.2	—0.05					
27.0	22	—30.8	—0.04					403

25.5 0123 φ = 76°52′ λ = 189°53′

10/10 St (16)

0.0	013	—8.6		99	1.8	158	1	
0.1	000	—		99	—			
0.2	986	—	—	99	—			
0.5	949	—	—	100	—			
0.92	900	— 9.7		97	1.8			
0.96	894	— 9.2	—	96	1.9			
1.0	890	— 9.2		94	1.9			
1.24	863	— 9.2	0.00	84	1.8			
1.36	850	—10.0		80	1.5			
1.5	835	—10.6	0.54	78	1.5			
1.82	800	—11.6		71	1.3			
2.0	781	—12.2	0.32	67	1.1			
2.5	732	(—14.3)	0.42	66	1.0			
2.84	700	(—15.9)		66	0.9			
3.0	685	(—16.6)	0.46	66	0.9			310
3.99	600	—20.9	0.43	66	0.7			
5.0	522	—26.6	0.56	66	0.5			
5.31	500	—28.7		66	0.4			
6.0	453	—32.5	0.59	66				313
6.88	400	—38.8		66				
7.0	393	—39.4	0.69	66				
8.0	338	—46.5	0.71	66				
8.22	327	—48.2	0.77	66				
8.81	300	—48.2		66				
9.0	291	—48.2	0.00	66				342

25.5 1333 φ = 76°54′, λ = 190°00′

10 10 St (50), Sc

0.0	012	— 5.0		88	2.2	180	4	
0.09	000	— 6.9		87	1.8	160	5	
0.2	986	— 8.5	1.75	87	1.7	155	6	
0.5	949	—10.6		85	1.4	144	7	

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
0.57	940	—10.9	0.65	85	1.4				10.0	253	—51.0	—0.20					
0.8	913	—10.9	0.00	84	1.3				11.0	216	—48.4	—0.26					303
0.91	900	— 9.5	—1.27	84	1.6				11.51	200	—46.2						
1.0	890	— 9.5		83	1.6				12.0	186	—45.1	—0.33					
1.37	850	— 9.5		71	1.4				13.0	161	—44.0	—0.11					
1.5	835	— 9.5	0.00	68	1.4				14.0	139	—43.6	—0.04					286
1.72	811	— 9.5	0.00	66	1.4				15.0	119	—43.0	—0.06					
1.83	800	— 9.7		64	1.3				16.0	102	—41.4	—0.16					
2.0	781	—10.2	0.25	52	1.1				16.25	100	—41.4						
2.5	732	—12.5	0.46	50	0.9				17.0	89	—41.4	0.00					246
2.85	700	—13.9		50	0.8			284									
3.0	685	—14.4	0.38	50	0.8				26.5 0132 φ = 76°56′ λ = 190°00′								
4.0	600	—17.6	0.32	50	0.7				10/10 St (26)								
5.0	526	—23.0	0.54	50	0.4												
5.37	500	—25.6		50	0.4			267	0.0	010	— 6.2		95	2.2	180	6	
6.0	457	—30.2	0.72	50					0.07	000	— 6.4		95	2.1			
6.94	400	—36.0		50					0.2	983	— 6.9	0.35	95	2.1			
7.0	396	—36.3	0.61	50					0.5	945	— 8.7	0.60	95	1.9			
8.0	341	—42.8	0.65	50				288	0.75	915	— 9.6	0.36	94	1.8			
8.87	300	—49.2		50					0.89	900	— 8.5		94	2.0			
9.0	294	—49.8	0.70	50					1.0	887	— 7.3	—0.92	94	2.2			
9.3	281	—51.6	0.60						1.1	876	— 6.6	—0.70	94	2.4			
9.7	265	—51.6	0.00						1.34	850	— 6.6		87	2.3			

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
1.5	833	—6.6	0.00	85	2.3				16.0	104	—43.1	—0.07					300
1.82	800	—6.6		75	2.1				16.26	100	—43.0						
2.0	781	—6.6	0.00	71	2.0				17.0	90	—42.5	—0.06					
2.1	771	—6.6	0.00	68	2.0				18.0	77	—42.0	—0.05					328
2.5	732	—8.0	0.35	67	1.8				19.0	66	—41.5	—0.05					
2.85	700	—8.7		66	1.8				20.0	58	—41.0	—0.05					
3.0	686	—8.9	0.18	65	1.7			347	21.0	50	—40.6	—0.04					
4.0	604	—11.6	0.27	63	1.5				22.0	43	—40.2	—0.04					
4.05	600	—11.7		62	1.5				23.0	38	—39.8	—0.04					376
5.0	528	—17.1	0.55	61	1.0				24.0	32	—39.4	—0.04					
5.41	500	—19.5		60	0.8				25.0	29	—39.0	—0.04					374
6.0	461	—23.4	0.63	59	0.6			342									
7.02	400	—31.4	0.79	57					26.5 1329 φ = 76°56′ λ = 190°00′								
8.0	348	—39.4	0.82	56					10/10 St (16)								
9.0	300	—45.3	0.59	54													
10.0	259	—51.3	0.60	53				328	0.0	011	—6.0		94	2.2	225	4	
10.6	236	—53.7	0.40						0.07	000	—6.7		95	2.1			
11.0	221	—53.3	—0.10						0.2	984	—7.8	0.90	98	2.0			
11.65	200	—52.2							0.5	948	—9.7	0.63	98	1.8			
12.0	190	—50.1	—0.32						0.6	936	—10.1	0.40	98	1.7			
13.0	163	—45.9	—0.42					282	0.92	900	—7.4	—0.84	98	2.2			
14.0	141	—44.5	—0.14						1.0	891	—7.4		98	2.2			
15.0	121	—43.8	—0.07						1.37	850	—7.4	0.00	98	2.4			

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.5	835	—7.6	0.15	98	2.4			
1.83	800	—8.3		98	2.2			
2.0	782	—8.6	0.20	98	2.4			
2.5	733	—9.6	0.20	89	2.0			
2.8	706	—10.1	0.17	81	1.9			284
2.87	700	—10.4		80	1.8			
3.0	689	—11.1	0.50	76	1.7			
4.0	603	—14.7	0.36	66	1.2			
4.05	600	—14.9		66	1.1			
5.0	528	—18.9	0.42	49	0.7			235
5.41	500	—21.2		47	0.6			
6.0	461	—24.9	0.60	43	0.4			
7.0	401	—32.2	0.73	43				219
7.04	400	—32.4		43				
8.0	348	—40.4	0.82	43				
9.01	300	—47.4	0.69	43				
9.95	260	—50.7	0.35	43				225
10.0	258	—50.7		43				
10.47	241	—50.7	0.00	43				
11.0	221	—45.9	—0.91	43				216
11.67	200	—44.2		43				
12.0	190	—43.7	—0.22	43				
13.0	164	—41.5	—0.22					
14.0	142	—40.2	—0.13					231
15.0	123	—39.4	—0.08					
16.0	106	—38.7	—0.07					
16.39	100	—38.5						235
17.0	92	—37.9	—0.08					
18.0	80	—36.4	—0.15					
19.0	69	—36.2	—0.02					239
20.0	60	—35.5	—0.07					
21.0	52	—34.6	—0.09					
21.22	50	—34.5						243
22.0	45	—33.9	—0.07					
23.0	39	—32.1	—0.18					246
24.0	34	—30.8	—0.13					
25.0	30	—30.2	—0.06					
25.36	29	—29.4	—0.22					247

27.5 0129 φ = 76°59′ λ = 190°02′

10/10 St (49)

0.0	016	—6.0		83	1.9	315	5
0.12	000	—6.2		83	1.9	316	6
0.2	989	—6.5	0.25	83	1.8	318	6
0.5	953	—7.9	0.47	93	1.9		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.88	907	—11.1	0.84	93	1.5			
0.94	900	—11.1		93	1.6			
1.0	893	—11.1	0.00	93	1.6			
1.37	850	—11.1		85	1.5			
1.5	837	—11.1	0.00	81	1.5			
1.86	800	—11.1		71	1.4			
2.0	785	—11.1	0.00	69	1.3			
2.26	759	—11.1	0.00	65	1.3			
2.5	735	—12.1	0.42	63	1.1			
2.87	700	—13.5		58	1.0			
3.0	687	—14.1	0.40	57	1.0			340
3.37	655	—15.7	0.43	50	0.7			
4.0	602	—18.2	0.40	50	0.6			
4.03	600	—18.3		50	0.6			
5.0	526	—23.6	0.54	50	0.4			
5.38	500	—25.1		50	0.4			
6.0	459	—28.4	0.48	50	0.3			335

27.5 1439 φ = 77°01′ λ = 190°02′

10/10 St (36)

0.0	020	—6.4		85	1.9	045	1
0.15	000	—8.4		84	1.6		
0.2	994	—9.0	1.30	84	1.5		
0.5	957	—12.1	1.03	84	1.2		
0.97	900	—12.1		83	1.2		
1.0	897	—12.1	0.00	83	1.2		
1.16	878	—10.7	—0.87	82	1.5		
1.41	850	—10.7		81	1.5		
1.5	840	—10.7	0.00	81	1.5		
1.7	817	—10.7	0.00	80	1.5		
1.87	800	—11.6		79	1.4		
1.94	793	—12.1	0.58	78	1.3		
2.0	786	—12.3		77	1.3		
2.5	736	—13.2	0.20	71	1.3		
2.75	713	—13.6	0.16	71	1.3		
2.87	700	—14.3		71	1.1		
3.0	688	—14.9	0.52	71	1.1		
4.0	603	—21.0	0.61	70	0.7		
4.04	600	—21.2		70	0.7		
5.0	525	—27.9	0.69	68	0.4		
5.35	500	—30.9		68			
6.0	456	—35.7	0.78	68			
6.9	400	—41.5		68			
7.0	393	—42.0	0.63	68			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
8.0	341	—48.3	0.63	68				
8.24	329	—49.4	0.46					
8.84	300	—49.4						
9.0	292	—49.4	0.00					
9.24	282	—49.4	0.00					
10.0	251	—47.2	—0.29					241
11.0	216	—44.4	—0.28					
11.51	200	—43.9						
12.0	185	—43.7	—0.07					245
13.0	160	—42.6	—0.11					
14.0	137	—42.0	—0.06					
15.0	118	—41.3	—0.07					243
16.0	102	—40.7	—0.06					
16.2	100	—40.7						
17.0	88	—40.4	—0.03					265
18.0	77	—40.0	—0.04					
19.0	66	—39.5	—0.05					
20.0	58	—38.0	—0.15					276
21.0	50	—37.2	—0.08					
22.0	43	—36.6	—0.06					
23.0	38	—35.9	—0.07					276

28.5 0129 φ = 77°02′ λ = 190°02′

10/10 St (57), ⚹°

H	B	t	γ	U	q	d	V	W
0.0	023	—7.3		83	1.7	045	1	
0.17	000	—8.0		85	1.6	064	2	
0.2	997	—8.2	0.45	85	1.6	063	2	
0.5	959	—10.2	0.67	89	1.5			
0.66	939	—11.7	0.94	90	1.4			
1.0	900	—8.4	—0.97	83	1.7			
1.35	860	—5.9	—0.71	67	1.8			
1.45	850	—5.9		64	1.7			
1.5	844	—5.9	0.00	62	1.7			
1.91	800	—5.9		56	1.6			
2.0	790	—5.9	0.00	54	1.6			
2.2	769	—5.9	0.00	52	1.6			
2.5	741	—8.4	0.83	50	1.2			
2.92	700	—10.8		48	1.0			
3.0	693	—11.4	0.60	47	1.0			310
4.0	608	—17.2	0.58	40	0.6			
4.11	600	—18.1		40	0.5			
5.0	531	—25.2	0.80	36	0.3			
5.44	500	—27.8		34	0.2			
6.6	462	—32.2	0.70	34				291

Продолж. приложения

H	B	t	γ	U	q	d	V	W
7.02	400	—36.4	0.41	34				
8.0	346	—42.9	0.66	34				
8.94	300	—51.0		34				286
9.0	297	—51.5	0.86	34				
9.6	270	—56.6	0.85					
9.94	256	—56.6	0.00					
10.0	254	—56.0	—1.00					
11.0	217	—48.6	—0.74					257
11.54	200	—46.0						
12.0	187	—45.2	—0.34					246
13.0	162	—44.2	—0.10					
14.0	139	—43.6	—0.06					
15.0	120	—42.8	—0.08					249
16.0	104	—41.6	—0.12					
16.24	100	—41.4						
17.0	89	—41.0	—0.06					
18.0	77	—40.6	—0.04					309
19.0	67	—40.2	—0.04					
20.0	58	—39.7	—0.05					
21.0	50	—39.1	—0.06					
22.0	44	—38.5	—0.06					
23.0	38	—38.4	—0.01					
24.0	33	—38.4	—0.00					
24.16	32	—38.4	—0.00					313

28.5 1344 φ = 77°03′ λ = 190°02′

10/10 St (43)

H	B	t	γ	U	q	d	V	W
0.0	025	—6.2		77		135	5	
0.19	000	—7.8	0.84			125	7	
0.5	959	—10.6	0.90					
0.6	947	—11.2	0.60					
0.85	917	—11.2	0.00					
1.0	900	—9.0	—1.47					
1.33	863	—6.5	—0.76					
1.45	850	—6.5						
1.5	845	—6.5	0.00					
1.93	800	—6.5						
2.0	792	—6.5	0.00					
2.5	742	—8.5	0.40					
2.95	700	—10.9						
3.0	695	—11.3	0.56					376
4.0	610	—17.6	0.63					
4.12	600	—18.3						
5.0	532	—24.3	0.67					
5.45	500	—26.6						
6.0	463	—30.0	0.57					

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
7.0	403	—34.8	0.48					375	29.5 0124 φ = 77°04′ λ = 190°02′								
7.05	400	—35.2							10;10 St (27)								
8.0	348	—42.0	0.81														
9.0	300	—49.3	0.64						0.0	021	—8.1		86	1.6	135	9	
10.0	259	—56.5	0.72					347	0.16	000	—9.0		85	1.5			
11.0	221	—50.8	—0.57						0.2	995	—9.4	0.65	85	1.4			
11.63	200	—47.6							0.5	957	—11.8	0.80	85	1.2			
12.0	189	—46.2	—0.46						0.65	937	—12.8	0.67	84	1.1			
13.0	162	—45.0	—0.12						0.97	900	—7.1	—1.78	83	2.0			
14.0	139	—43.8	—0.12					323	1.0	898	—7.1		83	2.0			
15.0	121	—42.4	—0.14						1.41	850	—7.1		81	2.0			
16.0	105	—41.6	—0.08						1.5	842	—7.1	0.00	81	2.0			
16.32	100	—41.3							1.9	800	—7.1		75	2.0			
17.0	90	—40.8	—0.08					316	2.0	790	—7.1	0.00	74	2.0			
18.0	77	—40.0	—0.08						2.28	761	—7.1	0.00	70	2.0			
19.0	66	—39.4	—0.06						2.5	740	—7.8	0.32	63	1.6			
20.0	58	—38.3	—0.11						2.93	700	—9.8		56	1.3			
21.0	50	—36.8	—0.15					378	3.0	693	—10.2	0.48	56	1.3			391
22.0	42	—35.6	—0.12						4.0	608	—15.2	0.50	52	0.9			
23.0	37	—35.6	0.00						4.09	600	—15.7		52	0.9			
24.0	32	—35.6	0.00						5.0	531	—22.0	0.68	52	0.5			
25.0	28	—35.6	0.00					382	5.44	500	—24.3		52	0.4			

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
6.0	461	—26.7	0.47	52	0.4				29.5 1320 φ = 77°06′ λ = 190°01′								
7.02	400	—33.2	0.64	52					10/10 St (43)								
8.0	348	—38.4	0.53	52				446									
9.0	302	—46.6	0.82	52					0.0	018	—9.2		79	1.3	135	10	
9.04	300	—46.8		52					0.14	000	—10.0		78	1.2	139	10	
10.0	260	—54.6	0.80						0.2	993	—10.5	0.65	77	1.2	138	10	
10.25	251	—55.7	0.44						0.5	954	—12.6	0.70	75	1.0			
10.8	231	—55.7	0.00						0.65	936	—13.3	0.47	75	1.0			
11.0	224	—54.7	—0.50						0.96	900	—8.2		72	1.6			
11.73	200	—49.7							1.0	895	—7.8	—1.57	72	1.6			
12.0	192	—48.7	—0.60					396	1.41	850	—6.4	—0.34	64	1.7			
13.0	164	—45.8	—0.29						1.5	840	—6.5		63	1.6			
14.0	142	—45.4	—0.04						1.87	800	—7.3		56	1.4			
15.0	121	—45.0	—0.04						2.0	786	—7.7	0.22	54	1.4			
16.0	104	—44.6	—0.04					390	2.5	737	—9.1	0.28	53	1.3			
16.3	100	—44.4							2.91	700	—10.9		52	1.1			297
17.0	90	—43.1	—0.15						3.0	690	—11.4	0.46	51	1.1			
18.0	77	—42.2	—0.09						4.0	606	—16.1	0.47	47	0 8			
19.0	66	—41.7	—0.05						4.08	600	—16.7		47	0.7			
20.0	57	—41.2	—0.05						5.0	529	—21.5	0.54	47	0.5			
21.0	50	—40.7	—0.05					496	5.43	500	—24.4		47	0.4			
22.0	43	—40.0	—0.07						6.0	462	—27.3	0.58	47	0.3			266
23.0	37	—39.4	—0.06						7.0	402	—30.6	0.33	47				
24.0	32	—37.7	—0.17					494									

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
7.04	400	—31.0		47				
8.0	349	—38.3	0.77	47				272
9.02	300	—46.4	0.79	47				
10.0	258	—52.0	0.57					
11.0	222	—47.3	—0.47					266
11.68	200	—44.3						
12.0	189	—43.0	—0.43					
13.0	164	—41.4	—0.16					277
14.0	142	—40.8	—0.06					
15.0	123	—40.2	—0.06					
16.0	105	—40.0	—0.02					291
16.33	100	—39.5						
17.0	92	—38.6	—0.14					
18.0	80	—37.8	—0.08					
19.0	69	—37.2	—0.06					314
20.0	58	—37.2	—0.00					
21.0	50	—36.6	—0.06					
22.0	44	—35.5	—0.11					
22.8	39	—34.2	—0.16					
23.0	38	—34.2	0.00					354
24.0	33	—34.2	0.00					
25.0	28	—34.2	0.00					
25.37	26	—34.2	0.00					338

30.5 0120 φ=77°09′ λ=189°51′

10/10 St (31)

H	B	t	γ	U	q	d	V	W
0.0	015	—9.8		89	1.4	135	6	
0.11	000	—10.6		88	1.4			
0.2	989	—11.6	0.90	87	1.2			
0.35	970	—12.8	0.80	86	1.1			
0.5	951	—12.8	0.00	85	1.1			
0.73	924	—12.8	0.00	84	1.2			
0.94	900	—9.7		84	1.6			
1.0	893	—9.0		77	1.5			
1.07	884	—8.3	—1.32	71	1.5			
1.38	850	—8.3		58	1.3			
1.5	836	—8.3	0.00	55	1.2			
1.84	800	—10.2		55	1.1			
2.0	783	—10.6	0.46	57	1.1			
2.2	763	—11.2	0.30	61	1.2			
2.5	735	—11.9	0.23	61	1.1			
2.87	700	—12.9		61	1.1			
3.0	687	—13.5	0.32	61	1.0			329
4.0	602	—20.0	0.65	61	0.7			
4.03	600	—20.2		61	0.7			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
5.0	525	—25.1	0.51	61	0.5			
5.36	500	—26.4		56	0.4			
6.0	456	—29.9	0.48	49	0.2			
6.93	400	—36.8		44				330
7.0	395	—37.2	0.73	44				
8.0	342	—46.0	0.88	43				
8.28	327	—47.7	0.61	43				
8.88	300	—47.7		42				
9.0	295	—47.7	0.00	41				
9.32	281	—47.7	0.00	41				
10.0	254	—44.3	—0.50	40				295
11.0	219	—43.0	—0.13	40				
11.6	200	—41.6		40				
12.0	188	—41.2	—0.18	40				273
13.0	163	—41.2	0.00	40				
14.0	140	—41.2	0.00					
15.0	121	—41.2	0.00					280
16.0	104	—40.8	—0.04					
16.25	100	—40.6						
17.0	90	—40.0	—0.08					
18.0	78	—39.5	—0.05					
18.92	67	—39.5	0.00					302

30.5 1335 φ=77°09′ λ=189°52′

10/10 St (43)

H	B	t	γ	U	q	d	V	W
0.0	016	—7.9		85	1.6	135	7	
0.12	000	—		88	—	122	8	
0.2	989	—	—	88	—	124	9	
0.5	952	—	—	88	—			
0.93	900	—		86	—			
1.0	893	—	—	86	—			
1.37	850	—		84	—			
1.5	836	—	—	84	—			
1.84	800	—		82	—			
2.0	783	—9.3	—	81	1.8			
2.14	770	—9.4	0.07	81	1.8			
2.5	734	—11.0	0.44	79	1.7			
2.83	700	—14.0	0.91	78	1.2			
3.0	687	—14.0	0.00	77	1.3			334
3.45	648	—14.0	0.00	75	1.4			
4.0	604	—17.2	0.58	71	1.0			
4.04	600	—17.3		71	1.0			
5.0	527	—23.3	0.61	62	0.6			
5.33	500	—24.8		58	0.5			
6.0	439	—26.7	0.34	57	0.4			302

Продолж. приложения

H	B	t	γ	U	q	d	V	W
6.98	400	−31.6	0.50	55				
8.0	346	−37.8	0.61	53				
9.0	300	−44.0	0.62	52				302
9.9	265	−44.0	0.00	46				
10.0	258	−43.2	−0.80	45				
11.0	222	−40.6	−0.26					
11.7	200	−39.8						
12.0	192	−39.5	−0.11					307
13.0	166	−38.8	−0.07					
14.0	144	−38.4	−0.04					
15.0	124	−38.0	−0.04					315
16.0	108	−37.6	−0.04					
16.5	100	−37.4						
17.0	93	−37.1	−0.05					
18.0	80	−36.4	−0.07					314
19.0	70	−35.6	−0.08					
20.0	60	−35.0	−0.06					
21.0	52	−34.5	−0.05					
21.3	50	−34.4						
22.0	45	−33.7	−0.08					390
23.0	40	−32.5	−0.12					
24.0	34	−31.8	−0.07					
25.0	30	−31.0	−0.08					

H	B	t	γ	U	q	d	V	W
26.0	26	−30.0	−0.10					
26.68	23	−29.4	−0.09					399

31.5 0130 φ = 77°10′ λ = 189°49′

10/10 St (15), ✳°

0.0	014	−5.8		96		112	5	
0.11	000	−6.6						
0.2	989	−7.4	0.80					
0.5	951	−8.2	0.27					
0.93	900	−9.4						
1.0	892	−9.6	0.28					
1.37	850	−10.6						
1.5	836	−11.1	0.30					
1.84	800	−12.9						
2.0	783	−13.8	0.54					
2.5	734	−13.8	0.00					
2.85	700	−13.8						
3.0	686	−13.8	0.00					341
3.28	661	−13.8	0.00					
4.0	600	−18.2	0.61					
5.0	525	−24.0	0.58					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
5.34	500	−25.5						
6.0	456	−30.2	0.62					312
6.94	400	−35.8						
7.0	396	−36.1	0.59					
8.0	344	−40.6	0.45					
8.9	300	−44.6						
9.0	295	−44.8	0.42					320
9.5	274	−46.0	0.24					
10.0	255	−45.6	−0.08					
11.0	221	−44.8	−0.08					280
.....	...	.....						
.....	...	.....	.....					
18.0	78	−40.9	.....					
19.0	68	−40.0	−0.09					
20.0	58	−39.2	−0.08					
21.0	50	−38.6	−0.06					
22.0	42	−38.0	−0.06					371
23.0	37	−37.4	−0.06					
24.0	32	−37.0	−0.04					
25.0	28	−36.6	−0.04					
26.0	24	−36.2	−0.04					
26.7	22	−35.9	−0.04					420

31.5 1330 φ = 77°12′ λ = 189°35′

10/10 Ns (38), ✳°

0.0	009	−3.4		90	2.5	112	7	
0.07	000	−3.5		90	2.6	—	—	
0.2	983	−3.9	0.25	90	2.5	105	10	
0.5	945	−5.2	0.43	89	2.3			
0.89	900	−6.6		89	2.2			
1.0	888	−7.5		89	2.0			
1.08	878	−8.2	0.58	89	2.0			
1.35	850	−8.4		89	2.0			
1.5	833	−8.5	0.07	89	2.0			
1.83	800	−8.8		89	2.0			
2.0	781	−9.0	0.10	89	2.0			
2.5	732	−9.4	0.08	88	2.0			
2.84	700	−9.6		88	2.1			
3.0	686	−9.7	0.06	88	2.2			
4.0	600	−14.7	0.50	87	1.6			
5.0	526	−19.6	0.49	85	1.1			
5.39	500	−21.3		83	0.9			
6.0	460	−24.8	0.52	81	0.7			
7.0	400	−31.4	0.66	69				
8.0	345	−39.2	0.78	69				

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
8.96	300	−46.0		64				
9.0	298	−46.3	0.71	63				
9.22	289	−48.0	0.77	62				298
10.0	257	−48.0	0.00	62				
10.3	245	−48.0	0.00	62				
11.0	221	−44.0	−0.57	62				
11.7	200	−41.7		62				
12.0	191	−41.1	−0.29	62				270
13.0	165	−40.6	−0.05	60				
14.0	141	−40.1	−0.05	58				
15.0	121	−39.6	−0.05	56				280
16.0	106	−39.0	−0.06	55				
16.42	100	−38.7		55				
17.0	92	−38.2	−0.08	55				281
18.0	79	−36.8	−0.14	55				
18.54	74	−35.7	−0.20	55				
19.0	69	−35.7	0.00	55				
20.0	59	−35.7	0.00					
21.0	50	−35.7	0.00					286

1.6 0133 φ = 77°13′ λ = 189°31′
10/10 Ns (43), ✳°

0.0	006	−3.4		95	2.7	045	2	

H	B	t	γ	U	q	d	V	W
0.04	000	−3.4		95	2.8	—	—	
0.2	980	−3.5	0.05	95	2.8	057	2	
0.5	942	−3.7	0.07	94	2.8			
0.75	912	−3.9	0.08	94	2.8			
0.85	900	−4.4		93	2.7			
1.0	884	−5.0	0.44	93	2.7			
1.31	850	−6.6		92	2.3			
1.5	830	−7.6	0.52	92	2.3			
1.8	800	−9.1		91	2.0			
2.0	779	−10.2	0.52	91	1.9			
2.3	749	−10.2	0.00	90	2.0			
2.5	730	−11.1	0.45	89	1.9			
2.81	700	−12.1		88	1.7			
3.0	683	−13.0	0.38	85	1.5			323
3.98	600	−18.4	0.55	58	0.8			
5.0	522	−24.6	0.61	46	0.4			
5.31	500	−27.3		42	0.3			
6.0	453	−31.7	0.71	39				298
6.87	400	−38.0		35				
7.0	392	−38.8	0.71	35				
7.72	354	−43.1	0.60	34				
8.0	340	−43.1	0.00	33				258
8.84	300	−43.1		32				

Продолж. приложений

H	B	t	γ	U	q	d	V	W
9.0	293	−43.1	0.00	32				
9.84	260	−43.1	0.00	30				
10.0	254	−41.6	−0.94	30				
11.0	219	−41.0	−0.06					235
11.62	200	−40.5						
12.0	189	−40.3	−0.07					238
13.0	163	−39.8	−0.05					
14.0	140	−39.6	−0.02					
15.0	121	−39.3	−0.03					241
16.0	106	−39.0	−0.03					
16.37	100	−38.9						
17.0	92	−38.8	−0.02					
18.0	78	−38.5	−0.03					268
19.0	68	−38.2	−0.03					
20.0	60	−37.7	−0.05					
21.0	52	−37.1	−0.06					
21.3	50	−36.9						267
22.0	46	−36.4	−0.07					
23.0	42	−35.5	−0.09					
23.3	40	−35.3	−0.07					269

1.6 1328 φ = 77°15′ λ = 189°18′
10/10 St, ✳

0.0	008	−1.3		84	2.8		0	

H	B	t	γ	U	q	d	V	W
0.07	000	−1.8		85	2.7	—	—	
0.2	982	−3.2	0.95	86	2.6	041	2	
0.5	946	−5.5	0.77	91	2.3			
0.89	900	−6.6		100	2.5			
1.0	888	−6.8	0.26	100	2.4			
1.35	850	−8.0		100	2.3			
1.5	833	−8.8	0.40	100	2.1			
1.81	800	−10.9		100	1.9			
2.0	780	−12.0	0.64	100	1.7			
2.5	731	−13.6	0.32	98	1.6			
2.83	700	−14.2		88	1.4			
3.0	684	−14.7	0.22	86	1.4			227
3.99	600	−19.6	0.49	77	0.8			
5.0	522	−26.2	0.65	68	0.5			232
5.31	500	−28.4		67	0.4			
6.0	454	−32.9	0.67	67				
6.89	400	−38.6		73				
7.0	394	−39.3	0.64	73				247
8.0	339	−46.4	0.71					
8.4	320	−46.4	0.00					
8.83	300	−45.8						
9.0	292	−45.5	−0.15					
10.0	251	−43.3	−0.22					264

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H	B	t	γ	U	q	d	V	W
11.0	217	−41.4	−0.19					
11.55	200	−40.7						
12.0	187	−40.5	−0.09					266
13.0	162	−40.0	−0.05					
14.0	140	−39.6	−0.04					
15.0	122	−39.2	−0.04					295
16.0	106	−39.2	0.00					
16.39	100	−39.2						
17.0	91	−39.2	0.00					
18.0	76	−39.2	0.00					
18.32	73	−39.2	0.00					318

2.6 0127 φ = 77°13′ λ = 189°21′

10/10 St (18)

0.0	011	−3.2		93	2.7	338	5	
0.09	000	−3.7		92	2.7	351	11	
0.2	984	−4.0	0.40	91	2.5			
0.5	948	−5.2	0.40	89	2.3			
0.92	900	−6.8		86	2.1			
1.0	889	−7.3	0.42	86	2.0			
1.37	850	−8.4		86	1.9			
1.5	835	−8.7	0.28	86	1.9			
1.83	800	−9.6		79	1.7			
2.0	782	−10.1	0.28	76	1.6			
2.5	733	−12.4	0.46	70	1.3			
2.86	700	−14.1		66	1.0			
3.0	686	−14.8	0.48	65	1.0			309
4.0	602	−19.0	0.42	51	0.6			
4.03	600	−19.2		51	0.6			
5.0	525	−24.6	0.56	49	0.4			
5.35	500	−26.9		48	0.3			
6.0	455	−31.1	0.65	47				311
6.93	400	−38.2		45				
7.0	396	−38.5	0.74	45				
8.0	342	−45.4	0.69	45				
8.76	305	−49.9	0.59	45				
8.87	300	−49.9		45				
8.94	297	−49.9	0.00	45				309
9.0	294	−49.7	−0.33	45				
10.0	254	−45.4	−0.43					
11.0	219	−42.8	−0.26					
11.62	200	−41.5						262
12.0	189	−41.0	−0.18					
13.0	162	−40.5	−0.05					
14.0	140	−40.1	−0.04					

H	B	t	γ	U	q	d	V	W
15.0	121	−39.6	−0.05					270
16.0	104	−39.1	−0.05					
16.31	100	−38.8						
17.0	91	−38.4	−0.07					288
18.0	79	−37.8	−0.06					
18.96	70	−37.8	−0.00					294

2.6 1342 φ = 77°12′ λ = 189°22′

10/10 St (43)

0.0	017	−4.2		86	2.3	338	3	
0.13	000	−4.9		86	2.2	348	3	
0.2	990	−5.6	0.70	86	2.1	351	3	
0.3	978	−6.3	0.70	85	2.0	334	5	
0.5	954	−5.7	−0.30	83	2.1	329	6	
0.8	919	−4.9	−0.27	82	2.2	310	5	
0.96	900	−5.5		82	2.2	304	4	
1.0	895	−5.7	0.40	82	2.2	302	4	
1.39	850	−7.6		77	1.8	275	3	
1.5	840	−7.9	0.44	75	1.7	266	2	
1.87	800	−8.9		70	1.5	—	1	
2.0	787	−9.4	0.30	69	1.5	—	1	
2.5	738	−12.0	0.52	67	1.2			258
2.91	700	−13.1		65	1.2			
3.0	691	−13.3	0.26	64	1.1			
4.0	606	−19.4	0.61	58	0.6			
4.07	600	−19.6		57	0.6			228
5.0	529	−23.6	0.42	52	0.5			
5.41	500	−26.3		50	0.3			
6.0	460	−30.0	0.64	49	0.2			
6.99	400	−37.2	0.73	47				205
8.0	345	−43.7	0.64	45				
8.62	316	−48.2	0.73	43				
8.97	300	−48.2		43				219
9.0	298	−48.2	0.00	43				
9.32	285	−48.2	0.00	42				
10.0	258	−45.6	−0.38	41				210
11.0	223	−42.4	−0.32	41				
11.74	200	−40.5		40				
12.0	193	−40.4	−0.20	40				201
13.0	166	−39.8	−0.06	39				
14.0	144	−39.1	−0.07	39				239
15.0	122	−38.4	−0.07	38				
16.0	106	−37.7	−0.07	38				
16.35	100	−37.4		38				
17.0	92	−36.9	−0.08	37				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.0	79	—35.9	—0.10	37				248
19.0	68	—35.2	—0.07	36				
20.0	60	—34.6	—0.06	36				
21.0	52	—33.8	—0.08	35				316
21.38	50	—33.7		35				
22.0	46	—33.1	—0.07	35				
23.0	40	—31.9	—0.12	24				
24.0	34	—31.6	—0.03					
25.0	30	—31.6	0.00					
26.0	26	—31.6	0.00					302

3.6 0132 $\varphi = 77°12'$ $\lambda = 189°22'$

8/3 Ac, St, ☰ м

0.0	018	—7.1		91	1.9		0	
0.14	000	—7.1		91	1.9	—	—	
0.2	991	—7.0	—0.05	91	1.9	333	3	
0.5	955	—6.9	—0.03	91	2.0	341	4	
0.97	900	—7.4		85	2.0	328	4	
1.0	896	—7.5	0.12	85	2.0	330	3	
1.41	350	—7.9		81	1.9	343	4	
1.5	841	—8.0	0.10	80	1.8	344	4	
1.8	809	—8.4	0.13	77	1.8	345	6	

H	B	t	γ	U	q	d	V	W
1.88	800	—8.8		76	1.7	342	6	
2.0	787	—9.2	0.40	75	1.7	336	6	
2.5	738	—12.5	0.66	63	1.1	336	6	
2.9	700	—15.3		61	0.9	332	6	
3.0	689	—16.4	0.78	61	0.8	326	6	320
3.35	658	—19.8	0.97	59	0.6	305	5	
3.76	624	—19.8	0.00	57	0.6	332	5	
4.0	604	—20.9	0.46	53	0.5	338	5	
4.04	600	—21.0		52	0.5	339	5	
5.0	527	—26.4	0.55	43	0.3	002	5	
5.37	500	—28.5		42	0.3	020	5	
6.0	457	—32.9	0.65	41		039	5	298
6.92	400	—38.6		40		041	6	
7.0	395	—39.0	0.61	40		052	6	
8.0	342	—45.6	0.66	39		042	5	
8.24	331	—46.9	0.54	38		034	5	
8.88	300	—46.9		38		003	4	
9.0	295	—46.9	0.00	38		356	5	312
9.92	256	—46.9	0.00	37		335	8	
10.0	253	—46.8		37		335	8	
11.0	218	—45.1	—0.17	36		327	8	
11.58	200	—44.6		36		323	8	
12.0	187	—44.4	—0.07	35		316	7	342

Продолж. приложения

H	B	t	γ	U	q	d	V	W
13.0	161	—43.8	—0.06	35		322	7	
14.0	139	—43.8	0.00	34		322	6	
15.0	120	—43.8	0.00	33				
16.0	104	—43.4	—0.04					
16.26	100	—43.2						363
17.0	90	—42.5	—0 09					
18.0	78	—41.9	—0.06					
19.0	67	—41.4	—0.05					
20.0	58	—40.8	—0.06					
21.0	50	—40.1	—0.07					
22.0	43	—39.6	—0.05					427

3.6 1332 $\varphi = 77°12'$ $\lambda = 189°22'$

1/0 Cc

0.0	016	—3.6		73	2.0	338	1
0.13	000	—4.5		73	1.9	338	2
0.2	990	—5.0	0.70	74	1.9	324	2
0.5	952	—6.9	0.63	74	1.6	331	2
0.94	900	—8.2		77	1.7	327	3
1.0	892	—8.4	0.30	78	1.6	332	3
1.39	850	—9.1		82	1.7	331	4
1.5	838	—9.5	0.22	83	1.7	339	3

H	B	t	γ	U	q	d	V	W
1.86	800	—10.3		85	1.7	288	4	
2.0	785	—11.0	0.30	85	1.6	295	4	
2.5	735	—13.7	0.54	85	1.4	309	5	254
2.86	700	—14.6		85	1.4	338	5	
3.0	687	—15.2	0.30	85	1.3	341	5	
4.0	600	—20.3	0.51	80	0.8	342	7	
5.0	525	—26.2	0.59	75	0.5	345	6	
5.36	500	—28.2		73	0.4	344	6	267
6.0	456	—31.5	0.53	71		346	7	
6.93	400	—36.7		67		341	8	
7.0	396	—37.0	0.55	67		339	8	
8.0	342	—42.5	0.55	67		330	7	298
8.87	300	—48.0		67		311	6	
8.92	298	—48.4	0.64	67		312	7	
9.0	294	—48.4		67		312	7	
9.16	287	—48.4	0.00	67		314	7	
10.0	253	—14.9	—0.42	67		322	7	312
11.0	219	—42.3	—0.26	67		312	6	
11.6	200	—41.4		67		307	6	
12.0	188	—41.1	—0.12	67		304	6	
13.0	163	—40.5	—0.06	67		306	5	
14.0	140	—39.7	—0.03	67		315	5	313
15.0	121	—39.2	—0.05	67		314	4	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.0	104	−38.6	−0.06	67				
16.3	100	−38.4		67				
17.0	90	−37.6	−0.10	67				309
18.0	78	−36.5	−0.11	67				
19.0	68	−35.8	−0.07	67				
20.0	59	−34.7	−0.11					
21.0	52	−33.9	−0.08					
21.2	50	−33.7						
21.4	49	−33.6	−0.07					304

4.6 0128 φ = 77°13′ λ = 189°22′

10,0 Ac (262)

0.0	013	−4.9		95	2.4		0	
0.11	000	−5.2		94	2.3	—	1	
0.2	989	−5.6	0.35	92	2.2	223	1	
0.5	952	−6.7	0.37	86	2.0	304	2	
0.93	900	−7.5		79	1.8	304	2	
1.0	892	−7.6	0.18	79	1.8	299	3	
1.37	850	−8.8		79	1.7	283	5	
1.5	836	−9.4	0.36	79	1.6	282	5	
1.84	800	−11.1		79	1.5	288	7	
2.0	783	−12.0	0.52	79	1.3	295	6	
2.3	753	−13.8	0.60	79	1.2	307	4	
2.5	734	−13.8	0.00	79	1.3	312	3	
2.6	725	−13.8	0.00	79	1.3	314	4	
2.86	700	−14.7		76	1.2	326	5	
3.0	687	−15.2	0.35	74	1.1	333	5	317
4.0	600	−20.4	0.52	57	0.6	352	7	
5.0	524	−25.9	0.55			353	7	
5.34	500	−27.7						
6.0	456	−32.6	0.67					342
6.9	400	−38.4						
7.0	394	−39.0	0.64					
8.0	340	−46.7	0.77					
8.7	306	−51.8	0.73					436

4.6 1327 φ = 77°14′ λ = 189°22′

10,0 Ac (174)

0.0	013	−2.6		94	2.9	225	3
0.11	000	−3.4		94	2.7	226	4
0.2	987	−3.9	0.65	93	2.6	226	4
0.5	949	−5.3	0.47	93	2.3	240	4
0.92	900	−6.4		92	2.3	282	5
1.0	891	−6.7	0.28	92	2.3	284	5

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.39	850	−8.2		92	2.1	286	6	
1.5	838	−8.6	0.38	92	2.0			
1.86	800	−9.9		91	1.8			
2.0	784	−10.4	0.36	91	1.8			
2.5	735	−12.2	0.36	91	1.6			
2.87	700	−13.5		91	1.5			
3.0	687	−14.0	0.36	91	1.5			317
4.02	600	−19.5	0.54	80	0.9			
5.0	525	−25.7	0.62	76	0.5			
5.36	500	−28.3		75	0.4			
6.0	458	−31.5	0.58	73				
6.98	400	−38.5	0.71	69				323
8.0	343	−47.5	0.88	69				
8.36	325	−50.2	0.75					
8.71	309	−50.2	0.00					
8.9	300	−48.8						
9.0	295	−48.4	−0.62					
10.0	253	−45.0	−0.34					352
11.0	218	−41.6	−0.34					
11.6	200	−41.3						
12.0	188	−41.1	−0.05					
13.0	162	−40.6	−0.05					372
14.0	141	−40.1	−0.05					
15.0	122	−39.5	−0.06					
16.0	105	−38.7	−0.08					
16.3	100	−38.5						354
17.0	92	−37.8	−0.09					
18.0	80	−36.7	−0.11					
19.0	70	−35.8	−0.09					366
20.0	60	−34.8	−0.10					
21.0	51	−33.6	−0.12					
21.1	50	−33.5						
22.0	43	−32.6	−0.10					
23.0	35	−31.6	−0.10					374
23.3	33	−31.3	−0.10					

5.6 0227 φ = 77°12′ λ = 189°27′

10,0 Cc, Ac (258)

0.0	009	−6.4		89	2.0	225	3
0.08	000	−6.4		88	1.9	248	8
0.2	984	−6.4	0.00	86	2.0	255	9
0.5	947	−6.4	0.00	81	1.9	261	11
0.9	900	−6.4		76	1.9	255	15
0.95	895	−6.4	0.00	75	1.9	255	15

H	B	t	γ	U	q	d	V	W
1.0	889	−6.6		74	1.8	254	14	
1.35	850	−7.4		71	1.7	253	12	
1.5	833	−7.8	0.25	70	1.6	253	12	
1.81	800	−9.4		67	1.4	255	14	
2.0	780	−10.2	0.48	66	1.4	256	13	
2.5	732	−11.8	0.32	62	1.2			
2.84	700	−13.2		61	1.1			
3.0	685	−13.9	0.42	61	1.0			360
4.01	600	−19.0	0.50	57	0.7			
5.0	524	−24.6	0.57	53	0.4			
5.33	500	−26.0		51	0.4			
6.0	456	−28.1	0.35	49	0.3			336
6.96	400	−33.9		49				
7.0	398	−34.3	0.62	49				
8.0	344	−42.0	0.77	49				
8.92	300	−47.3	0.58	49				
9.0	296	−47.3		49				298
9.64	269	−47.3	0.00	49				
10.0	255	−45.6	−0.47	49				
11.0	219	−44.0	−0.16	49				
11.62	200	−41.8		49				
12.0	189	−41.5	−0.25	49				278
13.0	162	−41.5	0.00					
14.0	140	−41.3	−0.02					
15.0	121	−40.8	−0.05					
16.0	104	−40.4	−0.04					
16.28	100	−40.2						
17.0	90	−39.4	−0.10					
17.48	84	−38.5	−0.19					274

6.6 0137 φ = 77°08′ λ = 189°56′

10,10 St (41), ☓°

0.0	982	−0.2		100		292	7	
0.2	958	−1.7	0.75			319	11	
0.5	921	−3.1	0.47					
0.68	900	−3.8						
1.0	865	−5.4	0.46					
1.14	850	−6.2						
1.3	832	−7.4	0.67					
1.5	812	−7.8	0.20					
1.62	800	−8.0						
2.0	761	−8.5	0.14					
2.38	724	−9.0	0.13					
2.5	713	−9.5	0.42					
2.64	700	−10.2						

H	B	t	γ	U	q	d	V	W
3.0	668	−12.0	0.50					290
3.82	600	−15.9						
4.0	586	−16.9	0.49					
5.0	513	−24.0	0.71					
5.18	500	−25.5						322
6.0	445	−31.7	0.77					
6.77	400	−37.9						
7.0	387	−39.8	0.81					
8.0	335	−39.8	0.00					
8.75	300	−38.6						
9.0	289	−38.2	−0.16					
10.0	249	−38.2	0.00					322

8.6 1333 φ = 77°02′ λ = 190°40′

10,10 St (19)

0.0	004	−1.4		90		180	6	
0.02	000	−1.5						
0.2	977	−2.8	0.70					
0.5	941	−5.2	0.80					
0.85	900	−6.7						
1.0	883	−7.2	0.40					
1.3	850	−8.5						
1.5	828	−9.0	0.36					
1.77	800	−9.6						
2.0	776	−9.8						
2.5	728	−10.2	0.16					
2.8	700	−10.7	0.08					
3.0	682	−11.3	0.22					291
3.98	600	−16.0	0.48					
5.0	524	−21.4	0.53					
5.33	500	−23.4						
6.0	457	−27.5	0.61					321
6.94	400	−35.9						
7.0	396	−36.4	0.89					
8.0	343	−43.5	0.71					
8.6	314	−47.4	0.65					
8.91	300	−47.4						293
9.0	295	−47.4	0.00					
9.15	289	−47.4	0.00					
10.0	254	−42.8	−0.54					
11.0	219	−40.3	−0.25					
11.62	200	−39.2						270
12.0	190	−38.6	−0.17					
13.0	164	−38.0	−0.06					
14.0	142	−37.5	−0.05					267

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
15.0	122	—37.0	—0.05					
16.0	105	—36.6	—0.04					
16.37	100	—36.4						263
17.0	92	—36.0	—0.06					
18.0	79	—35.6	—0.04					
19.0	68	—35.2	—0.04					
20.0	60	—34.4	—0.08					
21.0	52	—33.6	—0.08					290
21.2	50	—33.5	—0.05					

9.6 0122 $\varphi = 77°01'$ $\lambda = 190°43'$

10/0 As (146), ⚹°

0.0	996	—2.1		98	3.1		0	
0.2	970	—3.0	0.45	98	3.0	183	3	
0.5	934	—4.5	0.50	99	2.8	165	2	
0.65	916	—5.3	0.53	100	2.7	189	3	
0.79	900	—5.4		100	2.7	212	2	
1.0	877	—5.7	0.11	100	2.7	219	3	
1.24	850	—6.0		100	2.7	204	2	
1.5	823	—6.3	0.12	100	2.7	212	4	
1.71	800	—6.5		100	2.8			
2.0	771	—6.7	0.08	100	2.9			

H	B	t	γ	U	q	d	V	W
2.5	724	—9.0	0.46	100	2.4			
2.75	700	—10.2		100	2.3			285
3.0	677	—11.5	0.50	99	2.1			
3.93	600	—16.5		98	1.5			
4.0	594	—16.7	0.52	97	1.5			
5.0	520	—22.2	0.55	95	1.0			
5.28	500	—24.2		95	0.9			328
6.0	453	—30.0	0.78					
6.87	400	—36.6						
7.0	392	—37.7	0.77					
7.64	357	—43.8	0.95					
8.0	340	—43.8	0.00					
8.81	300	—43.8						
9.0	291	—43.8	0.00					349
9.1	286	—43.8	0.00					
10.0	251	—41.2	—0.29					
11.0	217	—39.4	—0.18					
11.54	200	—39.0						336
12.0	187	—38.9	—0.05					
13.0	163	—38.7	—0.02					
14.0	142	—38.5	—0.02					
15.0	124	—39.3	—0.02					
16.0	106	—39.1	—0.02					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.4	100	—38.0						340
17.0	92	—37.9	—0.02					
18.0	79	—37.7	—0.02					
19.0	68	—37.4	—0.03					332
20.0	60	—37.0	—0.04					
21.0	51	—36.5	—0.05					
21.1	50	—36.5						
22.0	44	—36.1	—0.04					
23.0	38	—36.1	0.00					
24.0	33	—36.1	0.00					
24.2	32	—36.1	0.00					329

9.6 1415 $\varphi = 77°01'$ $\lambda = 190°45'$.

0/0 Sc, ⚸°

0.0	001	—4.0		81	2.2	292	9	
0.2	975	—4.6	0.30	79	2.1	311	12	
0.5	938	—6.6	0.67	77	1.8	327	15	
0.8	903	—8.5		75	1.6	326	13	
0.83	900	—8.7	0.64	75	1.5	325	13	
1.0	880	—9.2	0.29	74	1.5	321	14	
1.28	850	—9.6		69	1.4	317	14	
1.5	827	—9.8	0.12	64	1.3	316	13	

H	B	t	γ	U	q	d	V	W
1.75	800	—10.0		58	1.2	315	15	
2.0	774	—10.3	0.10	53	1.1	309	17	
2.5	725	—12.1	0.36	40	0.8	297	18	
2.77	700	—13.0		37	0.7	291	18	
3.0	679	—14.4	0.46	36	0.6	295	18	320
3.93	600	—19.1		34	0.4			
4.0	594	—19.3	0.49	34	0.4			
5.0	518	—25.6	0.63	31	0.2			
5.26	500	—27.3		30	0.2			
6.0	450	—31.0	0.54	28				267
6.82	400	—36.2						
7.0	390	—36.8	0.58					
7.14	382	—37.6	0.57					240
8.0	338	—37.6	0.00					
8.84	300	—35.9						218
9.0	293	—35.6	—0.20					
10.0	254	—33.9	—0.17					
11.0	221	—33.3	—0.06					
11.52	205	—33.3	0.00					226
11.7	200	—33.4						
12.0	191	—33.7	0.08					
13.0	166	—34.6	0.09					
14.0	144	—34.8	0.02					

H	B	t	γ	U	q	d	V	W
15.0	125	—34.8	0.00					231
16.0	110	—34.8	0.00					
16.79	100	—34.8						
17.0	98	—34.8	0.00					220
18.0	85	—34.8	0.00					

10.6 0133 φ = 76°59′ λ = 190°51′

10/10 St (38), +

0.0	006	—3.8		84	2.3	292	12	
0.05	000	—		84	2.2			
0.2	980	—	—	82	2.0			
0.5	943	—	—	78	1.7			
(0.8)	908	—8.8		76	1.5			
0.87	900	—8.8		75	1.5			
1.0	885	—8.8	0.00	74	1.5			
1.32	850	—8.8		71	1.5			
1.5	830	—8.8	0.00	70	1.5			
1.79	800	—8.8	0.00	68	1.5			
2.0	777	—9.9	0.22	65	1.4			
2.5	728	—11.5	0.32	62	1.2			
2.81	700	—12.7		60	1.1			
3.0	682	—13.7	0.44	59	1.1			

H	B	t	γ	U	q	d	V	W
3.97	600	—18.1		53	0.7			347
4.0	597	—18.2	0.45	53	0.7			
5.0	523	—23.5	0.53	51	0.5			
5.33	500	—25.4		51	0.4			
6.0	455	—29.4	0.59	50	0.3			
6.91	400	—34.1		50				
7.0	395	—34.4	0.50	50				390
7.91	345	—39.6	0.57	49				
8.0	341	—39.6		49				
8.89	300	—39.6		48				
9.0	295	—39.6	0.00	48				
9.18	287	—39.6	0.00	48				
10.0	255	—38.2	—0.17	47				298
11.0	221	—36.8	—0.14	46				
11.3	212	—36.4	—0.13	45				
11.7	200	—36.4		45				
12.0	191	—36.4	0.00	44				
13.0	165	—36.4	0.00	43				285
14.0	143	—36.4	0.00	43				
15.0	124	—36.4	0.00	43				
16.0	108	—36.4	0.00	43				305
16.6	100	—36.4		43				
17.0	91	—36.4	0.00	43				

H	B	t	γ	U	q	d	V	W
18.0	81	—36.4	0.00	43				332
19.0	70	—36.4	0.00	43				
20.0	62	—36.4	0.00					
21.0	53	—36.4	0.00					
21.34	50	—36.4						
22.0	45	—36.4	0.00					350
22.2	43	—36.4	0.00					

11.6 0130 φ = 77°00′ γ = 199°57′

10/10 St (30)

0.0	006	—2.4		88	2.7	135	5	
0.04	000	—2.6		89	2.8	134	6	
0.2	980	—3.1	0.35	90	2.7			
0.5	944	—4.3	0.40	90	2.5			
0.7	921	—4.3	0.00	90	2.6			
0.88	900	—3.9		90	2.7			
1.0	887	—3.6	—0.23	90	2.9			
1.23	861	—3.0	—0.26	90	3.1			
1.33	850	—3.0		90	3.1			
1.5	832	—3.0	0.00	90	3.2			
1.81	800	—3.0		90	3.3			
1.92	789	—3.0	0.00	90	3.4			

H	B	t	γ	U	q	d	V	W
2.0	780	—3.3		90	3.3			215
2.5	733	—5.4	0.41	90	3.0			
2.86	700	—7.1		90	2.7			
3.0	687	—8.1	0.54	90	2.5			
4.0	604	—14.4	0.63	79	1.4			
4.05	600	—14.8		78	1.3			
4.8	543	—22.0	0.95	74	0.7			237
5.0	528	—22.0	0.00	72	0.5			
5.24	511	—22.0	0.00	70	0.8			
5.4	500	—22.9		68	0.7			
6.0	460	—26.6	0.61	63	0.4			204
7.0	400	—33.8	0.72	56				
8.0	346	—41.0	0.72	52				204
8.93	300	—47.2		51				
9.0	298	—47.6	0.66	51				
9.18	290	—48.8	0.67	50				
9.6	272	—48.8	0.00	50				179
10.0	256	—46.2	—0.65	48				
11.0	221	—42.3	—0.39	48				
11.66	200	—41.4		47				177
12.0	190	—41.2	—0.11	46				179
13.0	164	—40.5	—00.7	45				
14.0	142	—39.9	—00.6					

Продолж. приложения

H		t	γ	U	q	d	V	W
15.0	123	—39.1	—0.08	45				
16.0	106	—38.9	—0.02					177

11.6 1334 φ = 77°01′ λ = 190°58′

10/10 St (16)

0.0	006	—0.5		95	3.3	135	6	
0.05	000	—0.7		95	3.5	134	6	
0.2	979	—1.2	0.35	94	3.4			
0.5	943	—2.4	0.40	93	3.1			
0.78	912	—2.4	0.00	92	3.1			
0.89	900	—1.4		91	3.4			
1.0	887	—0.8	—0.73	91	4.2			
1.33	850	0.6	—0.42	90	4.3			
1.5	834	0.0	0.35	90	4.1			
1.83	800	—1.0		88	3.9			
2.0	782	—1.8	0.36	87	3.7			232
2.5	735	—3.5	0.34	80	3.1			
2.87	700	—5.0		75	2.7			
3.0	688	—5.8	0.46	71	2.4			
4.0	606	—12.7	0.69	61	1.3			
4.07	600	—13.1		61	1.3			
5.0	530	—18.0	0.53	56	0.8			255

H	B	t	γ	U	q	d	V	W
5.45	500	—20.5		54	0.6			
6.0	463	—23.1	0.51	51	0.6			
7.0	404	—30.1	0.70	50				310
7.07	400	—30.5		50				
8.0	350	—37.3	0.72	48				
9.0	303	—43.4	0.61	47				
9.06	300	—43.6		46				
9.85	265	—48.4	0.59	45				
10.0	260	—47.5	—0.60	45				310
11.0	224	—44.5	—0.30	44				
11.8	200	—41.6		43				
12.0	194	—41.3	—0.32	42				277
13.0	167	—39.8	—0.15	42				
14.0	144	—38.8	—0.10					
15.0	124	—38.0	—0.08					
16.0	108	—37.4	—0.06					270
16.5	100	—37.0						
17.0	94	—36.5	—0.09					
18.0	80	—35.9	—0.06					
19.0	70	—34.6	—0.13					297
20.0	60	—33.5	—0.11					
21.0	52	—32.4	—0.11					
21.32	50	—32.2						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
22.0	45	—32.1	—0.13					
22.55	42	—29.9	—0.22					295

12.6 0129 φ = 77°03′ λ = 190 58′

10/10 St (53)

0.0	008	0.0		98	3.7	158	4	
0.06	000	—0.2		97	3.7	—	—	
0.2	982	— 0.3	0.15	97	3.6	175	7	
0.5	946	— 0.3	0.00	96	3.7	183	6	
0.85	907	— 0.3	0.00	94	3.8			
0.91	900	0.2		94	3.9			
1.0	890	0.8		93	4.3			
1.06	883	1.2	—0.71	93	4.4			
1.37	850	1.2		91	4.4			
1.44	842	1.2	0.00	91	4.5			
1.5	837	1.0		91	4.5			
1.85	800	— 0.3		89	4.1			
2.0	785	— 0.9	0.37	89	4.0			
2.5	737	— 2.7	0.36	83	3.5			
2.89	700	— 4.4		79	3.0			
3.0	691	— 4.8	0.42	77	2.8			379
4.0	609	—10 8	0.60	70	1.8			

H	B	t	γ	U	q	d	V	W
4.09	600	—11.2		69	1.7			
5.0	534	—16.2	0.54	65	1.1			
5.49	500	—19.7		64	09			
6.0	467	—23.2	0.70	(63)	06			
7.0	407	—31.0	0.78	(61)				
7.13	400	—31.7		(61)				
8.0	353	—37.7	0.67	(59)				462
9.0	305	—45.3	0.76	(56)				
9.1	300	—46.1		(56)				
9.92	266	—53.2	0.86	(55)				
10.0	263	—53.2		(54)				
10.4	247	—53.2	0.00	(53)				
11.0	225	—51.3	—0.32	(52)				
11.74	200	—47.6		50				
12.0	192	—46.4	—0.49	50				443
13.0	166	—44.6	—0.18	48				
14.0	142	—44.0	—0.06	46				
15.0	122	—43.2	—0.08	43				
16.0	106	—41.6	—0.16	41				387
16.4	100	—41.5						
17.0	91	—41.2	—0.04					
18.0	78	—40.7	—0.05					
19.0	68	— 10.2	—0.05					

H	B	t	γ	U	q	d	V	W
20.0	58	—39.2	—0.10					346
21.0	50	—37.9	—0.13					
22.0	43	—36.7	—0.12					
23.0	37	—36.7	0.00					
23.51	34	—36.7	0.00					329

12.6 1344 φ = 77°04′ λ = 190°58′

10/10 St, Ξs

0.0	007	—0.1		98	3.7	180	4	
0.05	000	—0.4		99	3.7			
0.16	986	—1.2	0.69	99	3.6			
0.2	981	—1.2		99	3.6			
0.45	951	—1.2	0.00	100	3.7			
0.5	945	0.3		100	4.2			
0.67	925	2.0	—1.45	100	4.7			
0.9	900	2.0		90	4.4			
1.0	889	2.0	0.00	86	4.2			
1.37	850	2.0		76	3.9			
1.46	840	2.0	0.00	74	3.8			
1.5	836	1.9		73	3.8			
1.85	800	0.8		72	3.7			
2.0	784	0.4	0.30	72	3.7			

H	B	t	γ	U	q	d	V	W
2.5	737	— 2.6	0.60	71	3.0			
2.91	700	— 6.1		70	2.3			287
3.0	691	— 6.7	0.82	69	2.2			
4.0	609	—11.4	0.47	65	1.5			
4.11	600	—12.1		65	1.5			
5.0	533	—16.9	0.55	63	1.0			
5.47	500	—19.9		61	0.8			273
6.0	465	—23.6	0.67	60	0.6			
7.0	405	—30.7	0.71	57				
7.1	400	—31.1		57				286
8.0	351	—36.4	0.57	48				
9.0	303	—44.6	0.82	47				
9.07	300	—45.0		47				
9.96	262	—51.8	0.75	47				
10.0	260	—51.8		47				
10.24	250	—51.8	0.00					
11.0	224	—47.3	—0.59					270
11.75	200	—4[illegible]						
12.0	193	—4[illegible]	—0.50					266
13.0	166	—4[illegible]	—0.20					
14.0	143	—[illegible]	—0.07					
15.0	123	—[illegible]	—0.07					
16.0	109	—36.2	—0.07					270

H	B	t	γ	U	q	d	V	W
16.55	100	—37.7						
17.0	93	—37.4	—0.08					
18.0	81	—36.6	—0.08					272
19.0	69	—35.9	—0.07					
20.0	60	—35.2	—0.07					
21.0	52	—34.2	—0.10					
21.2	50	—34.0						278
22.0	44	—33.2	—0.10					
23.0	38	—32.2	—0.10					
23.25	36	—31.8	—0.16					
24.0	31	—31.8	0.00					278
24.5	27	—31.8	0.00					

13.6 0124 φ = 77°05′ λ = 190°52′

10/10 Ξ(6)

0.0	005	0.2		99	3.8	180	3	
0.04	000	0.1		99	3.8			
0.2	980	—0.4	0.30	97	3.6			
0.37	960	—0.4	0.00	96	3.6			
0.5	945	1.0	—1.08	94	4.0			
0.89	900	1.0		90	4.1			
1.0	888	1.0	0.00	88	4.0			

H	B	t	γ	U	q	d	V	W
1.35	850	1.0		84	4.0			
1.5	834	1.0	0.00	81	4.0			
1.68	815	1.0	0.00	79	3.9			
1.83	800	0.5		76	3.7			
2.0	783	0.0	0.31	73	3.6			
2.5	736	— 2.2	0.44	65	2.9			281
2.89	700	— 4.7		60	2.2			
3.0	689	— 5.4	0.64	58	2.1			
4.0	607	—10.7	0.53	44	1.1			
4.08	600	—11.0		43	1.1			
5.0	532	—17.3	0.66	37	0.6			
5.46	500	—21.0		36	0.4			274
6.0	464	—24.3	0.70	36	0.4			
7.0	405	—31.1	0.68	36				
7.08	400	—31.6		36				
8.0	351	—39.0	0.79	35				
9.0	302	—46.5	0.75	34				
9.04	300	—47.0		34				
9.55	278	—50.0	0.64	34				
10.0	258	—50.0	0.00	34				267
11.0	222	—44.6	—0.54	33				
11.73	200	—41.8		32				
12.0	192	—41.2	—0.34	32				

H	B	t	τ	U	q	d	V	W
13.0	166	—40.6	—0.06	32				250
14.0	144	—40.2	—0.04	31				
15.0	123	—39.8	—0.04	30				258
16.0	107	—39.3	—0.05	30				
16.5	100	—39.0		30				
17.0	93	—38.7	—0.06	30				
18.0	80	—38.3	—0.04	30				306
19.0	69	—37.9	—0.04	30				
20.0	60	—37.2	—0.07	30				
21.0	51	—36.6	—0.06	30				
21.1	50	—36.5		30				337
22.0	42	—36.0	—0.06					
23.0	36	—35.4	—0.06					
24.0	30	—35.3	—0.01					358
24.4	29	—35.3	0.00					

13.6 1329 φ = 77°08′ λ = 191°32′

10/10 Sc (116)

0.0	007	1.2		91		225	4	
0.05	000	0.8				—	—	
0.2	981	0.1	0.55			221	11	
0.5	946	3.3	—1.07			219	9	

H	B	t	τ	U	q	d	V	W
0.8	912	3.3	0.00			217	8	
0.91	900	2.9				227	6	
1.0	889	2.5	0.40					
1.37	850	0.1						
1.5	835	— 1.4	0.78					
1.85	800	— 1.9						
2.0	785	— 2.2	0.16					
2.5	737	— 2.9	0.14					
2.63	725	— 3.1	0.15					268
2.9	700	— 4.8						
3.0	691	— 5.4	0.62					
4.0	608	—13.4	0.80					
4.1	600	—13.8						
5.0	533	—17.6	0.42					
5.46	500	—20.9						268
6.0	465	—25.0	0.74					
7.0	405	—32.2	0.72					
7.08	400	—32.6						
8.0	350	—39.0	0.68					289
9.0	302	—46.4	0.74					
9.04	300	—46.6						
9.42	283	—49.4	0.71					
(9.92)	263	—46.4	0.00					

H	B	t	τ	U	q	d	V	W
10.0	260	—49.1	—0.32					
11.0	224	—45.6	—0.35					283
11.76	200	—43.6						
12.0	193	—43.0	—0.26					
13.0	166	—41.2	—0.18					281
14.0	143	—40.6	—0.06					
15.0	124	—40.1	—0.05					
16.0	107	—39.4	—0.07					284
16.48	100	—38.2	—0.25					
17.0	93	—38.2	0.00					
18.0	82	—38.2	0.00					
18.44	78	—38.2	0.00					295

14.6 0134 φ = 77°08′ λ = 191°27′

10/10 Sc (15)

0.0	008	0.6		93		225	5	
0.07	000	0.7				227	13	
0.2	983	(1.1)	—0.25					
0.5	948	(2.0)						
0.55	942	2.2	—0.31					
0.91	900	2.2						
1.0	890	2.2	0.00					

H	B	t	τ	U	q	d	V	W
1.15	874		0.00					
1.37	850							
1.5	837							
1.86	800							
2.0	786	—1.2						
2.5	738	—2.8	0.32					
2.92	700	—4.6						332
3.0	692	—5.1	0.46					
4.0	609	—11.8	0.67					
4.1	600	—12.4						
5.0	534	—16.2	0.44					
5.48	500	—19.2						335
6.0	466	—22.6	0.64					
7.0	406	—28.8	0.62					
7.12	400	—29.6						
8.0	352	—35.4	0.66					
9.0	304	—43.2	0.78					
9.11	300	—44.3						
10.0	262	—49.8	0.66					350
10.3	251	—51.5	0.57					
10.72	235	—51.5	0.00					
11.0	226	—49.7	—0.64					
11.8	200	—45.1						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
12.0	194	—44.3	—0.54					289
13.0	166	—41.6	—0.27					
14.0	143	—41.1	—0.05					277
15.0	123	—40.5	—0.06					
16.0	106	—40.0	—0.05					
16.4	100	—39.8						
17.0	92	—39.5	—0.05					283
18.0	80	—39.0	—0.05					
19.0	70	—38.4	—0.06					
20.0	60	—37.6	—0.08					
21.0	52	—36.8	—0.08					302
21.26	50	—36.5						
22.0	45	—35.9	—0.9					
23.0	39	—35.5	—0.4					
24.0	34	—35.1	—0.4					
25.0	29	—34.7	—0.4					312
25.64	28	—34.5	—0.3					

14.6 1336 φ = 77°10′ λ = 191°40′

10/10 Ns, •°

0.0	011	0.9		87		248	6	
0.09	000	1.3						
0.2	985	1.5	—0.30					
0.36	966	3.1	—1.00					
0.5	949	3.1	0.00					
0.85	908	3.1	0.00					
0.92	900	2.6						
1.0	891	2.0	0.73					
1.39	850	1.0						
1.5	839	0.8	0.24					
1.88	800	0.0						
2.0	788	—0.2	0.20					
2.5	740	—1.8	0.32					
2.94	700	—3.3						341
3.0	694	—3.8	0.40					
4.0	611	—10.5	0.67					
4.14	600	—11.3						
5.0	535	—16.3	0.58					
5.5	500	—19.8						
6.0	467	—24.6	0.83					338
7.0	408	—28.9	0.43					
7.14	400	—30.5						
8.0	354	—37.3	0.84					
9.0	305	—46.0	0.87					251
9.13	300	—46.6						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
9.2	296	—47.2	0.60					
9.9	267	—47.2	0.00					
10.0	263	—46.4	—0.80					184
11.0	227	—40.4	—0.60					
11.81	200	—38.3						
12.0	195	—38.1	—0.23					202
13.0	169	—37.0	—0.11					
14.0	146	—37.0	0.00					214
15.0	126	—37.0	0.00					155
15.6	116	—37.0	0.00					

15.6 0257 φ = 77°12′ λ = 191°48′

10/10 Ns (10), •

0.0	013	0.2		96		248	5	
0.1	000	0.2						
0.2	987	0.2	0.00					
0.5	950	0.1	0.03					
0.94	900	0.0						
1.0	892	0.0	0.02					
1.2	871	—0.1	0.05					
1.4	850	—0.5						
1.5	839	—0.6	0.17					
1.88	800	— 1.5						
2.0	787	— 1.7	0.22					
2.5	739	— 3.2	0.30					235
2.93	700	— 5.5						
3.0	693	— 5.7	0.50					
4.0	610	—10.4	0.47					
4.13	600	—11.0						252
5.0	535	—16.4	0.60					
5.52	500	—19.7						
6.0	468	—23.0	0.66					292
7.0	408	—28.2	0.52					
7.14	400	—29.1						
8.0	353	—34.3	0.61					
9.0	306	—41.2	0.69					
9.15	300	—42.4						
10.0	264	—49.0	0.78					
10.6	239	—51.8	0.47					
11.0	225	—51.8	0.00					363
11.78	200	—47.5						
12.0	193	—46.5	—0.53					
13.0	166	—43.5	—0.30					
14.0	144	—42.1	—0.14					
15.0	123	—40.9	—0.12					365

H	B	t	τ	U	q	d	V	W
16.0	105	−40.4	−0.05					
16.37	100	−40.2						
17.0	92	−39.8	−0.06					
18.0	80	−39.0	−0.08					330
19.0	69	−38.0	−0.10					
20.0	60	−37.5	−0.05					
21.0	51	−37.0	−0.05					
21.22	50	−36.9						
22.0	44	−36.5	−0.05					
23.0	38	−36.0	−0.05					
24.0	32	−35.4	−0.06					
24.7	28	−35.0	−0.06					388

15.6 1325 φ = 77°13′ λ = 192°00′

10/10 St

0.0	013	0.8		97	4.0	225	4	
0.1	000	0.8		98	4.0	223	10	
0.2	987	0.8	0.00	99	4.1	230	12	
0.5	951	0.8	0.00	99	4.3			
0.95	900	0.8		99	4.6			
1.0	894	0.8	0.00	99	4.6			
1.1	883	0.8	0.00	99	4.7			
1.4	850	— 0.6		85	3.7			
1.5	839	— 1.1	0.48	80	3.4			
1.87	800	— 2.9		75	2.8			
2.0	787	— 4.0	0.58	75	2.6			
2.1	777	— 4.6	0.60	74	2.5			
2.5	739	— 4.6	0.00	74	2.6			
2.65	725	— 4.6	0.00	74	2.7			
2.92	700	— 5.5		73	2.6			285
3.0	692	— 6.0	0.40	73	2.5			
4.0	609	−10.8	0.48	72	1.8			
4.11	600	−11.4		72	1.7			
5.0	534	−16.8	0.60	71	1.1			
5.47	500	−20.6		70	0.8			275
6.0	466	−24.0	0.72	69	0.6			
7.0	405	−29.7	0.57	68	0.4			
7.09	400	−30.3		68				
8.0	351	−36.5	0.68	67				279
9.0	304	−44.0	0.75					
9.09	300	−44.5						
9.8	269	−49.6	0.70					
10.0	261	−49.6	0.00					
10.1	257	−48.2	−1.40					266

H	B	t	τ	U	q	d	V	W
5.0	533	−17.4	0.52	82	1.3			
5.47	500	−21.4		76	0.8			
6.0	465	−25.0	0.76	72	0.6			300
7.0	406	−31.7	0.67	69				
7.11	400	−32.2		68				
8.0	352	−37.7	0.60	66				
9.0	305	−44.9	0.72	63				
9.1	300	−45.3		63				
9.85	269	−49.8	0.58	60				272

16.6 0125 φ = 77°14′ λ = 192°16′

10/0 As, Ac (196)

0.0	014	0.4		97	3.8	202	3	
0.11	000	0.5		96	3.8	214	10	
0.2	988	0.9	−0.25	95	3.9	222	11	
0.3	976	1.1	−0.20	94	3.9	228	11	
0.5	952	1.1	0.00	92	4.0	237	10	
0.8	918	1.1	0.00	73	3.3	237	12	
0.96	900	0.1		73	3.1	236	14	
1.0	895	−0.2	0.65	73	3.1	234	14	
1.3	863	−1.7	0.50	73	2.8	227	15	
1.41	850	−2.4		73	2.7	225	15	
1.5	840	−3.0	0.65	73	2.6	225	16	
1.89	800	−4.9		73	2.3			
2.0	788	−5.3	0.46	73	2.3			
2.5	740	−7.5	0.44	73	2.0			
2.64	726	−8.6	0.79	73	1.9			
2.93	700	−9.6		78	1.9			
3.0	693	−9.8	0.33	79	1.9			
3.9	617	−11.8	0.20	92	2.0			
4.0	609	−12.2	0.40	92	2.0			
4.11	600	−12.7		92	1.9			315

16.6 1340 φ = 77°15′ λ = 192°35′

10/10 ☰

0.0	015	−0.2					25	5
0.12	000	−1.2						
0.2	990	−1.2						
0.42	963							
0.5	953							
0.77	922					3.2		
0.97	900					2.9		
1.0	896			68		2.9		
1.42	850			60		2.3		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.5	841	—2.3	0,42	58	2.1			
1.9	800	—4.3		54	1.8			
2.0	789	—4.8	0·50	53	1.7			
2.5	741	—7.2	0.48	49	1.4			
2.94	700	—9.2		46	1.2			262
3.0	694	—9.6	0.48	46	1.2			
3.13	682	—10.1	0.38	46	1.1			
4.0	610	—12.0	0.22	50	1.1			
4.12	600	—12.5		51	1.2			
5.0	535	—17.0	0.50	55	1.1			262
5.49	500	—19.5		55	0.9			
6.0	467	—22.9	0.59	55	0.8			
7.0	407	—28.7	0.58	55	0.6			261
7.12	400	—29.5		55	0.4			
8.0	353	—34.6	0.59	55	0.3			
9·0	305	—41.7	0.71	55				
9.12	300	—42.4		55				
10.0	263	—47.8	0.61	55				254
10.24	254	—48.8	0.42	55				
10.43	246	—48.8	0.00	55				
11.0	226	—45.3	—0.61	55				
11.84	200	—41.0		55				
12.0	195	—40.5	—0.48	55				
13.0	168	—39.0	—0.15	55				241
14.0	146	—39.0	0.00	55				
15.0	125	—38.8	—0.02					245
16.0	109	—38.1	—0.07					
16.58	100	—37.8						
17.0	94	—37.6	—0.05					261
18.0	81	—37.4	—0.02					
19.0	70	—36.9	—0.05					
20.0	61	—35.4	—0.15					
21.0	54	—34.6	—0.08					274
21.48	51	—34.2	—0.08					

17.6 0125 φ=77°15′ λ=192°38′

10/10 ☰, ∽

0.0	017	—2.7		95	2.9	225	4
0.14	000	—2.6		91	2.8		
0.2	991	—2.3	—0.20	89	2.8		
0.46	959	0.6	—1.12	80	3.3		
0.5	955	0.6		80	3.3		
0.7	931	0.6	0.00	73	3.1		
0.97	900	—0.3		67	2.7		
1.0	897	—0.4	0.33	66	2.7		
1.43	850	—1.9		55	2.1		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.5	842	—2.1	0.34	54	2.1			
1.91	800	—3.8		49	1.7			
2.0	791	—4.2	0.42	48	1.7			
2.5	742	—6.7	0.50	39	1.2			268
2.96	700	—8.0		38	1.1			
3.0	696	—8.2	0.30	41	1.1			
4.0	611	—11.7	0.35	80	1.8			
4.14	600	—12.4		69	1.5			
5.0	535	—17.6	0.59	66	1.0			281
5.5	500	—20.5		64	0.8			
6.0	467	—23.6	0.60	62	0.6			
7.0	406	—29.6	0.60	58	0.3			
7.11	400	—30.4		58				294
8.0	353	—35.7	0.61	54				
9.0	305	—42.8	0.71	53				
9.11	300	—43.7		53				296
10.0	262	—49.4	0.66	53				
0.2	992	—1.7	0.45	94	3.2			
0.26	984	—0.2	—2.50	93	3.6			
0.5	954	—0.2	0.00	89	3.6			
0.97	900	—0.2		71	3.0			
1.0	896	—0.2		70	2.9			
1.08	888	—0.2	0.00	68	2.9			
1.43	850	—1.7		59	2.4			
1.5	843	—2.0	0.43	56	2.2			
1.91	800	—3.5		49	1.8			
2.0	790	—3.7	0.34	47	1.7			
2.5	742	—4.9	0.24	37	1.3			
2.95	700	—6.0		41	1.4			
3.0	696	—6.3	0.28	41	1.3			314
4.0	611	—10.7	0.44	60	1.6			
4.15	600	—11.4		66	1.6			
4.4	580	—12.5	0.45	66	1.5			
5.0	535	—16.0	0.58	61	1.1			
5.53	500	—18.5		56	0.8			
6.0	468	—21.3	0.53	53	0.6			285
7.0	409	—28.3	0.70	48	0.3			
7.16	400	—29.1		47	0.3			
8.0	355	—35.6	0.73	45				271
9.0	306	—44.3	0.87	43				

17.6 1340 φ=77°15′ λ=192°43′

10/10 ☰

0.0	017	—0.8		95	3.2	270	3
0.13	000	—0.7		94	3.2		

Продолж. приложения

H	B	t	γ	U		d	V	W
9.16	300	—45.4		43				
9.9	208	—50.6	0.70	41				
10.0	264	—50.6	0.00	41				
10.26	254	—50.6	0.00	41				
11.0	227	—47.2	—0.46	40				270
11.88	200	—42.5		38				
12.0	196	—42.3	—0.49	38				
13.0	169	—40.4	—0.19	37				
14.0	146	—39.7	—0.07	37				279
15.0	126	—38.9	—0.08	37				
16.0	108	—38.1	—0.08	37				
16.57	100	—37.7		37				248
17.0	94	—37.3	—0.08	37				
18.0	82	—36.1	—0.12	37				
19.0	70	—34.3	—0.18					
20.0	61	—34.3	—0.00					
20.5	57	—34.3	—0.00					248

18.6 0131 $\varphi = 77°15'$ $\lambda = 192°40'$

10/10 ☰ (7)

0.0	019	—1.3		97	3.2	068	2	
0.14	000	—2.4		96	3.0			

H	B	t	γ	U	q	d	V	W
0.2	992	—3.0	0.85	94	2.8			
0.4	967	—1.3	—0.85	93	3.2			
0.5	954	—1.3	0.00	91	3.2			
0.98	900	—1.3	0.00	84	3.1			
1.45	850	—1.9		75	2.8			
1.5	845	—2.0	0.13	74	2.8			
1.93	800	—2.7		65	2.5			
2.0	793	—2.8	0.16	64	2.4			
2.5	744	—3.9	0.22	56	2.1			
2.97	700	—5.2		51	1.8			
3.0	697	—5.3	0.28	50	1.7			334
4.0	613	—10.5	0.52	42	1.1			
4.17	600	—11.5		41	1.0			
5.0	538	—16.0	0.55	39	0.6			
5.55	500	—19.5		38	0.5			
6.0	470	—23.4	0.74	36	0.4			279
7.0	409	—31.0	0.76	33				
7.15	400	—32.2		33				
8.0	354	—39.0	0.80	32				
9.0	306	—46.8	0.78	32				
9.13	300	—48.0		32				376
9.8	271	—52.8	0.75	32				
10.0	264	—52.8	0.00	32				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
10.4	248	—52.8	0.00	32				
11.0	226	—49.1	—0.62	32				
11.79	200	—45.5		32				254
12.0	194	—45.0	—0.41	32				
13.0	166	—42.8	—0.22	32				235
14.0	144	—42.7	—0.01	32				
15.0	124	—42.2	—0.05					
16.0	107	—41.6	—0.06					
16.45	100	—41.4						235
17.0	92	—41.0	—0.06					
18.0	79	—40.0	—0.10					
18.75	72	—39.5	—0.07					227
19.0	69	—39.5	0.00					
20.0	59	—39.5	0.00					
21.0	51	—39.5	0.00					224
21.3	50	—39.5	0.00					

18.6 1341 $\varphi = 77°15'$ $\lambda = 192°41'$

10/10 Sc (26)

0.0	020	—0.3		99	3.6	112	2	
0.15	000	—1.0		100	3.5	97	4	
0.2	993	—1.4		100	3.4	100	4	

H	B	t	γ	U	q	d	V	W
0.28	982	—2.0	0.61	100	3.3			
0.46	960	—2.0	0.00	100	3.4			
0.5	956	—1.2		100	3.7			
0.55	950	—0.8	—1.33	100	3.7			
1.0	900	—0.8	0.00	85	3.3			
1.46	850	—0.8		60	2.5			
1.5	846	—0.8	0.00	58	2.4			
1.95	800	—0.8	0.00	50	2.2			
2.0	794	—1.0		47	2.1			
2.5	746	—2.2	0.25	40	1.7			250
3.0	700	—4.7	0.50	37	1.4			
4.0	616	—7.5	0.28	37	1.2			
4.21	600	—8.4		37	1.1			250
5.0	541	—14.2	0.67	37	0.8			
5.59	500	—18.3		37	0.6			
6.0	473	—21.1	0.69	37	0.5			
7.0	412	—28.5	0.74	37	0.3			
7.21	400	—30.2		36				251
8.0	355	—35.6	0.71	36				
9.0	307	—43.8	0.82	35				
9.17	300	—45.5		35				260
10.0	265	—51.3	0.75	35				
10.1	249	—51.3	0.00	35				

H	B	t	τ	U	q	d	V	W
11.0	227	—45.6	—0.95	34				
11.86	200	—42.4		34				
12.0	196	—41.9	—0.37	34				
13.0	168	—39.8	—0.21	33				253
14.0	145	—39.0	—0.08	32				
15.0	126	—38.4	—0.06	32				253
16.0	108	—37.7	—0.07	31				
16.6	100	—37.0		31				
17.0	95	—36.8	—0.09	30				273
18.0	82	—36.0	—0.08	30				
19.0	71	—35.5	—0.05					
20.0	61	—34.7	—0.08					
21.0	53	—33.2	—0.15					283

19.6 0140 $\varphi = 77°17'$ $\lambda = 192°38'$

10/10 St, ⛆°

0.0	020	—2.4		94	2.8	112	3	
0.15	000	—2.6		96	3.0	108	4	
0.2	994	—3.0	0.30	97	2.9	107	4	
0.34	976	—3.8	0.57	97	2.7	113	2	
0.5	957	—2.3		97	3.1	089	1	
0.58	948	—1.0	—1.17	97	3.6	157	1	

H	B	t	τ	U	q	d	V	W
1.0	900	—1.0	0.00	73	2.8	165	2	
1.46	850	—1.0		66	2.7			
1.5	846	—1.0	0.00	65	2.7			
1.76	818	—1.0	0.00	52	2.2			
1.94	800	—1.5		47	2.0			
2.0	793	—1.6	0.25	47	2.0			
2.5	745	—3.0	0.28	46	1.8			
3.0	700	—4.8	0.36	46	1.7			293
4.0	615	—8.7	0.39	45	1.3			
4.2	600	—9.8		45	1.2			
5.0	539	—14.0	0.53	44	0.9			
5.56	500	—18.0		44	0.7			
6.0	471	—21.0	0.70	43	0.6			
7.0	412	—27.2	0.62	42	0.3			
7.21	400	—29.0		42	0.3			
8.0	356	—35.5	0.83	41				
9.0	308	—42.4	0.69	40				
9.19	300	—43.8		40				
10.0	266	—50.5	0.81	39				
10.34	253	—53.3	0.82	39				
10.9	232	—53.3	0.00	38				
11.0	229	—52.3	—1.00	38				
11.86	200	—46.0		37				

H		t	τ	U	q		V	W
12.0	195	—45.7	—0.66	37				217
13.0	168	—42.9	—0.28	37				
14.0	146	—42.0	—0.09	37				213
15.0	126	—41.6	—0.04	37				
16.0	109	—41.0	—0.06	37				
16.55	100	—40.8		37				
17.0	94	—40.6	—0.04	37				237
18.0	81	—40.2	—0.04	37				
19.0	71	—39.7	—0.05	37				
20.0	61	—39.2	—0.05					250
21.0	52	—38.3	—0.09					
21.2	50	—38.2						
21.4	49	—37.9	—0.10					
22.0	46	—37.9	0.00					253
22.5	41	—37.9	0.00					

19.6 1340 $\varphi = 77°18'$ $\lambda = 192°38'$

10/10 St (15), ⛆

0.0	021	—1.8		94	3.0	158	3	
0.17	000	—3.3	0.88	93	2.7			
0.2	996	—3.3		93	2.7			
0.38	975	—3.3	0.00	93	2.7			
0.5	960	—1.5	—1.50	92	3.2			

H	B	t	τ	U	q	d	V	W
0.75	931	1.0	—1.00	(72)	3.2			
0.93	910	1.0	0.00	67	3.0			
1.02	900	0.8	0.22	65	3.0			
1.47	850	—0.5		54	2.3			
1.5	847	—0.6	0.29	53	2.2			
1.95	800	—2.2		50	2.0			
2.0	794	—2.4	0.36	49	1.9			
2.5	745	—3.9	0.30	46	1.7			250
3.0	700	—5.4	0.30	44	1.5			
4.0	616	—9.8	0.44	43	1.1			
4.19	600	—10.6		43	1.1			241
5.0	540	—15.3	0.55	42	0.8			
5.57	500	—19.7		41	0.6			
6.0	472	—23.2	0.79	40	0.4			
7.0	411	—30.6	0.74	38				247
7.19	400	—32.4		38				
8.0	356	—38.2	0.76	37				
9.0	308	—44.7	0.65					
9.17	300	—45.7						249
10.0	265	—51.5	0.68					
10.2	257	—51.5	0.00					
11.0	228	—48.7	—0.35					
11.85	200	—45.1						

Продолж. приложени.

H	B	t	γ	U	q	d	V	W
12.0	195	—44.7	—0.40					244
13.0	168	—42.4	—0.23					
14.0	146	—41.9	—0.05					
15.0	125	—41.4	—0.05					239
16.0	108	—41.1	—0.03					
16.54	100	—40.8						
17.0	93	—40.6	—0.05					255
18.0	81	—39.2	—0.14					
19.0	70	—39.2	—0.00					
20.0	60	—38.7	—0.05					277
21.0	52	—37.7	—0.10					
21.35	50	—37.2						
22.0	46	—36.0	—0.17					279
23.0	39	—35.4	—0.06					
24.0	34	—34.8	—0.06					
25.0	30	—33.7	—0.11					
25.35	28	—33.0	—0.20					274

20.6 0140 $\varphi = 77°17'$ $\lambda = 192°41'$

6/6 Sc

H	B	t	γ	U	q	d	V	W
0.0	021	—2.2		93	3.0	135	3	
0.06	014	—2.6	0.67	93	2.9	167	4	

H	B	t	γ	U	q	d	V	W
0.17	000	—2.6		92	2.8	178	4	
0.2	996	—2.6	0.00	92	2.8	199	3	
0.5	960	0.8	—1.13	90	3.9	224	5	
0.76	929	1.8	—0.38	87	4.1	225	5	
1.02	900	—1.0	0.31	86	4.0	219	4	
1.47	850	—1.2		85	3.4	251	5	
1.5	847	—1.4	0.50	85	3.4	251	5	
1.65	831	—2.6	0.80	85	3.1			
1.95	800	—2.6		80	3.1			
2.0	794	—2.6	0.00	79	3.1			
2.2	774	—2.6	0.00	75	3.0			
2.5	746	—4.0	0.47	72	2.7			
2.81	717	—5.9	0.61	68	2.2			
3.0	700	—6.2	0.16					
3.48	657	—7.0	0.17					
4.0	615	—10.0	0.58					
4.19	600	—10.8						
5.0	539	—15.3	0.53					
5.56	500	—18.8						154
6.0	471	—21.9	0.66					
7.0	411	—27.3	0.54					157
7.2	400	—28.5						
8.0	3.7	—34.8	0.7.					159

Продолж. приложения

H	B	t	γ	U	q	d	V	W
9.0	309	—42.2	0.74					
9.19	300	—43.3						
10.0	265	—48.9	0.67					159
10.26	255	—50.8	0.73					

20.6 1407 $\varphi = 77°19'$ $\lambda = 192°38'$

10/10 St

H	B	t	γ	U	q	d	V	W
0.0	015	—0.1		96	3.5	112	6	
0.12	000	—0.6		95	3.5	—	—	
0.2	990	—0.9	0.40	94	3.4	116	10	
0.3	977	—1.2	0.30	92	3.3	124	10	
0.5	953	—0.7	—0.25	90	3.5	138	9	
0.96	900	1.7		82	3.9	139	7	
1.0	895	2.0	—0.54	81	4.0	140	7	
1.34	859	2.0	0.00	77	3.9	149	10	
1.42	850	1.4		77	3.8	146	10	
1.5	842	0.8	0.75	77	3.8	143	11	
1.91	800	—1.2		77	3.4			
2.0	790	—1.7	0.50	77	3.3			
2.5	742	—4.7	0.60	79	2.6			
2.96	700	—5.9		82	2.7			
3.0	696	—6.0	0.26	82	2.7			366

H	B	t	γ	U	q	d	V	W
4.0	612	—8.8	0.56	86	2.5			
4.15	600	—9.5		86	2.5			
5.0	536	—14.7	0.59	82	1.6			
5.52	500	—17.2		80	1.4			
6.0	470	—20.3	0.56	77	1.0			
7.0	410	—26.5	0.62	73	0.6			
7.18	400	—27.6		72	0.6			377
8.0	356	—34.0	0.75	69				
9.0	308	—40.9	0.69	67				
9.18	300	—42.4		66				
9.79	275	—47.8	0.87	65				
10.0	266	—47.8	0.00	65				
10.73	238	—47.8	0.00	63				354
11.0	229	—46.0	—0.67	63				
11.82	200	—41.5		61				
12.0	195	—40.8	—0.32	60				
13.0	169	—39.2	—0.16	59				288
14.0	147	—38.0	—0.12	57				
15.0	126	—37.2	—0.08	55				
16.0	108	—36.4	—0.08	53				
16.58	100	—36.0						305
17.0	94	—35.2	—0.12					
18.0	82	—33.8	—0.14					

Продолж. приложения

H	B	t	γ	U.	q	d	V	W
19.0	71	−33.1	−0.07					
19.9	64	−32.4	−0.08					
20.0	63	−32.4	0.00					
21.0	56	−32.4	0.00					305

21.6 0145 φ = 77°22′ λ = 192°31′

10/10 Ξ (13)

0.0	007	0.2		100	3.8	135	5	
0.06	000	−0.1		99	3.8			
0.1	995	−0.6	0.80	99	3.8			
0.2	982	−0.6	0.00	99	3.7			
0.32	967	−0.6	0.00	98	3.7			
0.5	945	0.2	−0.44	98	3.9			
0.65	927	0.9	−0.47	97	4.3			
0.89	900	0.9		97	4.5			
1.0	888	0.9	0.00	96	4.4			
1.35	850	0.2		95	4.3			
1.5	835	−0.1	0.20	93	4.2			
1.85	800	−1.2		90	4.0			
2.0	783	−1.7	0.32	89	3.8			
2.5	734	−4.3	0.52	84	3.0			
2.89	700	−6.7		79	2.5			

H	B	t	γ	U	q	d	V	W
3.0	689	−7.4	0.62	78	2.3			366
4.0	606	−12.8	0.54	78	1.6			
4.08	600	−13.2						
5.0	531	−19.4	0.66					
5.45	500	−21.5						
6.0	463	−24.9	0.55					
7.0	403	−32.6	0.77					368
7.06	400	−37.1						
8.0	348	−39.0	0.64					
9.02	300	−45.6	0.65					
9.47	280	−45.6	0.00					
10.0	258	−44.4	−0.23					338
11.0	223	−42.1	−0.23					
11.71	200	−41.1						
12.0	192	−41.0	−0.11					
13.0	166	−40.9	−0.01					305
14.0	144	−40.7	−0.02					
15.0	123	−40.6	−0.0					
16.0	107	−40.4	−0.02					
16.48	100	−40.2						
17.0	93	−40.1	−0.03					310
18.0	80	−40.0	−0.01					
19.0	69	−39.8	−0.02					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
20.0	59	−39.6	−0.02					336
21.0	50	−39.4	−0.02					
22.0	44	−39.0	−0.04					
23.0	38	−38.7	−0.03					
24.0	33	−38.4	−0.03					
24.65	32	−38.1	−0.05					338

21.6 1325 φ = 77°27′ λ = 192°29′

10/10 St (5), Ξ_3

0.0	006	0.2		97	3.7	158	8	
0.05	000	−0.4		97	3.6			
0.2	981	−1.1	0.65	97	3.5			
0.5	945	4.0		90	4.9			
0.56	938	4.6	−1.58	87	4.9			
0.9	900	4.6		75	4.3			
1.0	889	4.6	0.00	69	4.1			
1.37	850	3.3		62	3.6			
1.5	836	2.7	0.38	60	3.2			
1.85	800	1.0		56	2.9			
2.0	785	0 0	0.54	54	2.6			210
2.5	737	−2.5	0.50	51	2.1			
2.91	700	−5.0		50	1.8			

H	B	t	γ	U	q	d	V	W
3.0	691	−5.5	0.60	49	1.7			
4.0	609	−9.1	0.36	46	1.3			
4.12	600	−9.5		46	1.3			213
5.0	535	−14.3	0.52	44	0.9			
5.51	500	−17.7		42	0.7			
6.0	467	−20.9	0.66	41	0.5			220
7.0	407	−27.1	0.62	39				
7.13	400	−28.3						
8.0	355	−33.1	0.60					
9.0	307	−39.8	0.67					235
9.17	300	−41.3						
10.0	265	−44.4	0.46					
(10.15)	259	−44.7	0.20					
10.76	237	−44.7	0.00					
11.0	229	−44.1	−0.25					227
11.91	200	−41.2						
12.0	196	−40.9	−0.32					
13.0	170	−38.6	−0.23					235
14.0	147	−38.6	0.00					
15.0	127	−38.6	0.00					230
16.0	111	−38.6	0.00					
16.7	100	−38.3						
17.0	95	−38.1	−0.05					

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.0	82	−37.6	−0.05					
19.0	70	−37.0	−0.06					
19.24	68	−37.0	0.00					222

22.6 0130 φ = 77°30′ λ = 192°26′

10/10 ☰ (5)

0.0	006	0.0		99	3.8	135	5	
0.04	000	−0.2	0.50	100	3.8			
0.2	980	−0.2		100	3.9			
0.24	975	−0.2	0.00	100	3.9			
0.5	945	2.7		100	4.9			
0.56	938	2.9	−0.97	100	5.0			
0.9	900	2.9		81	4.3			
1.0	889	2.9	0.00	79	4.2			
1.37	850	1.5		73	3.6			
1.5	836	1.0	0.38	73	3.6			
1.85	800	−0.5		77	3.5			
2.0	784	−1.3	0.46	78	3.4			
2.5	737	−4.1	0.56	81	3.0			
2.9	700	−5.7		81	2.8			
3.0	690	−6.3	0.44	81	2.6			345
4.0	608	−10.1	0.38	62	1.7			
4.09	600	−10.6		61	1.6			
5.0	533	−14.1	0.40	53	1.2			
5.47	500	−17.0		50	0.8			
6.0	465	−20.3	0.62	46	0.6			
7.0	406	−23.5	0.32	46	0.5			390
7.11	400	−24.0		46	0.5			
8.0	354	−29.8	0.63					
9.0	307	−37.0	0.72					
9.15	300	−38.5						
10.0	266	−45.2	0.82					
10.8	237	−48.4	0.40					
11.0	231	−47.7	−0.35					375
11.93	200	−43.8						
12.0	198	−43.7	−0.40					
13.0	171	−40.7	−0.30					
14.0	147	−39.6	−0.11					259
15.0	127	−39.0	−0.06					
16.0	109	−38.4	−0.06					230
16.59	100	−37.8						
17.0	94	−37.7	−0.07					
18.0	82	−36.5	−0.12					
18.44	77	−36.2	−0.07					233
19.0	71	−36.2	0.00					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
20.0	63	−36.2	0.00					
20.89	55	−36.2	0.00					230

23.6 0155 φ = 77°31′ λ = 192°25′

10/10 St (22)

0.0	008	0.0		95	3.6	360	3	
0.07	000	−0.1		94	3.6	018	5	
0.2	983	−0.6	0.30	93	3.4			
0.5	947	−1.6	0.33	92	3.2			
0.84	908	2.6	−1.24	90	4.5			
0.91	900	2.6		90	4.6			
1.0	889	2.6	0.00	90	4.6			
1.32	856	2.6	0.00	88	4.7			
1.37	850	2.4		88	4.7			
1.5	836	1.8	0.44	85	4.4			
1.85	800	0.6		(76)	3.7			
2.0	785	0.1	0.34	(72)	3.5			
2.5	738	−2.5	0.52	59	2.5			
2.92	700	−4.4		59	2.2			
3.0	692	−4.7	0.44	59	2.2			299
4.0	610	−10.6	0.59					
4.12	600	−11.6						
5.0	536	−16.0	0.54					
5.51	500	−18.0						
6.0	468	−20.6	0.46					287
7.0	408	−26.8	0.62					
7.15	400	−27.5						
8.0	356	−32.4	0.56					
8.0	308	−38.9	0.65					285
9.19	300	−40.4						
10.0	266	−46.6	0.77					
10.56	245	−50.6	0.71					241
11.0	229	−50.6	0.00					
11.89	200	−44.9						
12.0	197	−44.5	−0.61					
13.0	169	−42.2	−0.23					246
13.83	150	−41.5	−0.08					

23.6 0.08 1357 φ = 77°33′ λ = 192°24′

10/10 St (25)

0.0	005	0.2		98	3.7	360	3	
0.03	000	0.0		98	3.7			
0.2	980	−1.1	0.65	97	3.5			
0.5	945	−0.5	−0.20	96	3.7			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.7	921	2.2	—1.35	96	4.6			
0.89	900	2.2		95	4.7			
1.0	887	2.2	0.00	95	4.7			
1.34	850	2.2		94	4.8			
1.5	833	2.2	0.00	94	5.0			
1.7	813	2.2	0.00	93	5.0			
1.83	800	1.7		92	4.9			
2.0	783	1.0	0.40	92	4.9			
2.5	735	—1.7	0.54	85	3.9			
2.9	700	—3.3		73	3.0			
3.0	690	—3.7	0.40	71	2.9			335
4.0	607	—9.0	0.53					
4.1	600	—9.4						
5.0	534	—13.2	0.42					
5.49	500	—15.5						
6.0	467	—18.0	0.48					334
7.0	408	—23.7	0.57					
7.13	400	—24.2						
8.0	355	—30.3	0.66					
9.0	309	—37.6	0.73					
9.21	300	—39.5						365
10.0	267	—44.8	0.72					
10.43	250	—47.5	0.63					

H	B	t	γ	U	q	d	V	W
11.0	229	—47.5	0.00					
11.57	209	—47.5	0.00					
11.89	200	—45.8						
12.0	196	—44.7	—0.65					
13.0	169	—42.0	—0.27					
14.0	147	—41.1	—0.09					396
15.0	126	—40.0	—0.11					
16.0	110	—39.1	—0.09					
16.62	100	—38.8						
17.0	94	—38.5	—0.06					
18.0	83	—37.7	—0.08					357
19.0	72	—36.8	—0.09					
20.0	62	—35.5	—0.13					
21.0	53	—34.3	—0.12					
21.45	50	—34.2						338
22.0	47	—34.2	—0.01					
23.0	42	—34.2	0.00					335

24.6 0131 $\varphi = 77°35'$ $\lambda = 192°23'$

10/10 St (12), Ξ_3

0.0	009	—0.1		98	3.7	202	2	
0.05	000	—0.4		97	3.6	—	—	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.2	982	— 1.1	0.50	97	3.5	234	4	
0.5	947	— 1.8	0.23	95	3.2			
0.92	900	0.1		93	3.9			
1.0	890	0.4	—0.41	93	4.0			
1.37	850	1.4		91	4.5			
1.5	837	1.4	—0.20	90	4.6			
1.87	800	— 0.2		89	4.3			
2.0	786	— 0.7	0.42	88	4.0			
2.5	739	— 3.0	0.46	86	3.5			278
2.93	700	— 5.0		86	3.1			
3.0	693	— 5.4	0.48	86	3.0			
4.0	610	—11.5	0.61	86	2.0			
4.13	600	—11.9		86	2.0			
5.0	535	—15.4	0.39	77	1.5			
5.5	500	—18.0		75	1.2			288
6.0	467	—21.0	0.56	72	0.9			
7.0	408	—26.7	0.57	69	0.6			
7.13	400	—27.0		69	0.6			
8.0	354	—31.3	0.46	68				277
9.0	306	—39.9	0.86	67				
9.14	300	—41.0		67				
9.8	272	— 45.2	0.66	66				
10.0	264	—45.2	0.00	66				

H	B	t	γ	U	q	d	V	W
11.0	228	—45.2	0.00	65				300
11.16	222	—45.2	0.00	65				
11.9	200	—43.1		65				
12.0	196	—43.0	—0.26	65				
13.0	170	—42.2	—0.08	64				
14.0	146	—41.6	—0.06	63				288
15.0	126	—41.1	—0.05					
16.0	109	—40.6	—0.05					
16.6	100	—40.4						
17.0	94	—40.1	—0.05					279
18.0	81	—39.2	—0.09					
19.0	70	—38.4	—0.08					
20.0	60	—37.4	—0.10					309
21.0	52	—36.4	—0.10					
21.4	50	—36.4						
22.0	46	—36.4	0.00					
23.0	40	—36.4	0.00					306

24.6 1300 $\varphi = 77°35'$ $\lambda = 192°23'$

10,10 St (15), Ξ_3

0.0	011	0.3		99	3.9	338	2	
0.09	000	—0.1		99	3.8	355	9	

H	B	t	γ	U	q	d	V	W
0.2	985	−0.5	0.40	99	3.7			
0.3	973	−1.0	0.50	99	3.6			
0.5	948	−1.0	0.00	99	3.7			
0.93	900	−1.0		99	3.9			
1.0	891	−1.0	0.00	99	4.0			
1.39	850	−1.0		89	3.6			
1.5	839	−1.0	0.00	86	3.6			
1.8	807	−1.0	0.00	86	3.7			
1.87	800	−1.5		86	3.6			
2.0	787	−2.1	0.55	86	3.5			
2.5	739	−4.5	0.48	86	3.0			
2.93	700	−6.0		86	2.8			
3.0	694	− 6.4	0.38	86	2.8			350
4.0	610	−11.0	0.46	85	2.1			
4.13	600	−11.9		83	1.9			
5.0	535	−15.2	0.42	72	1.4			
5.52	500	−18.5		63	0.9			
6.0	469	−21.0	0.58	61	0.8			
7.0	409	−27.3	0.63	58	0.5			
7.16	400	−28.6		57	0.4			355
8.0	355	−33.6	0.63	55				
9.0	307	−38.9	0.53	54				
9.17	300	−40.8						
10.0	265	−46.0	0.71					
10.05	263	−46.4	0.80					
10.76	236	−46.4	0.00					355
11.0	228	−45.6	−0.33					
11.92	200	−41.9						
12.0	197	−41.7	−0.39					
13.0	170	−40.0	−0.17					
14.0	147	−39.2	−0.08					305
15.0	127	−38.4	−0.08					
16.0	111	−37.7	−0.07					270
16.7	100	−36.8						
17.0	95	−36.4	−0.13					
18.0	81	−35.4	−0.10					
19.0	69	−34.7	−0.07					262
20.0	59	−33.1	−0.16					
21.0	50	−33.1	0.00					262

25.6 0141 φ = 77°35′ λ = 192°23′

10/10 St (18), Ξ$_3$, 9°

0.10	10	0.1		100	3.8	180	1	
0.07	000	−0.2		100	3.8			
0.2	983	−0.7	0.40	100	3.7			

H	B	t	γ	U	q	d	V	W
0.5	947	−1.6	0.30	100	3.5			
0.93	900	−2.5		100	3.5			
1.0	891	−2.6	0.20	100	3.5			
1.15	875	−2.9	0.20	100	3.4			
1.39	850	−2.9		100	3.5			
1.5	838	−2.9	0.00	100	3.5			
1.86	800	−2.9	0.00	92	3.4			
2.0	785	−3.1	0.14	89	3.4			
2.5	738	−4.5	0.28	73	2.6			
2.91	700	−6.7		65	2.1			
3.0	691	−6.9	0.48	63	2.0			311
4.0	608	−11.4	0.45	52	1.2			
4.11	600	−12.1		51	1.2			
5.0	532	−18.5	0.71	48	0.7			
5.46	500	−20.7						
6.0	464	−24.0	0.55					344
7.0	404	−30.0	0.60					
7.07	400	−30.6						
8.0	350	−36.9	0.69					
9.0	304	−41.6	0.47					
9.09	300	−42.0						
10.0	262	−43.7	0.21					321
10.17	255	−44.0	0.18					
10.53	242	−44.0	0.00					
11.00	226	−42.5	−0.32					
11.86	200	−39.6						
12.0	196	−39.1	−0.34					251
13.0	169	−39.0	−0.01					
14.0	146	−39.0	0.00					
15.0	126	−39.0	0.00					240
16.0	109	−38.6	−0.04					
16.6	100	−38.1						
17.0	94	−37.8	−0.08					230
18.0	82	−37.0	−0.08					
19.0	71	−36.8	−0.02					220
20.0	61	−35.7	−0.11					
21.0	52	−35.7	0.00					
21.3	50	−35.7						
21.9	46	−35.7	0.00					245

25.6 1350 φ = 77°35′ λ = 192°24′

10/10 St (42), Ξ$_3$

0.0	008	0.0		96	3.6	090	1	
0.07	000	−0.2		95	3.6	060	2	
0.2	983	−0.7	0.35	95	3.5	088	2	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.5	946	—2.3	0.53	94	3.1			
0.9	900	—3.9	0.40	93	2.8			
1.0	889	—3.9	0.00	92	2.8			
1.36	850	—3.9		87	2.8			
1.5	835	—3.9	0.00	84	2.8			
1.84	800	—3.9		77	2.7			
1.92	791	—3.9	0.00	76	2.7			
2.0	783	—4.4		76	2.6			
2.5	735	—6.4	0.43	76	2.3			
2.88	700	—7.7		90	2.6			
3.0	689	—8.2	0.36	90	2.5			332
4.0	605	—13.5	0.53	83	1.7			
4.07	600	—13.8		82	1.6			
5.0	530	—17.1	0.36					
5.43	500	—19.9						
6.0	462	—24.2	0.71					
6.49	433	—27.8	0.74					360

26.6 0145 φ = 77°37′ λ = 192°27′

10/10 Ns, ⚹

0.0	005	—0.1		98				
0.04	000	—0.3						
0.2	979	—0.9	0.40					

H	B	t	γ	U	q	d	V	W
0.5	943	—2.8	0.63					
0.88	900	—4.0						
1.0	886	—4.3	0.30					
1.34	850	—5.2						
1.5	832	—5.6	0.26					
1.8	800	—6.7						
2.0	779	—7.4	0.36					
2.5	730	—9.8	0.48					
2.83	700	—11.4						
3.0	684	—12.4	0.52					321
4.0	600	—17.2	0.68					
4.62	552	—20.6	0.23					
5.0	524	—23.0	0.63					
5.35	500	—25.5						
6.0	455	—30.4	0.74					
6.92	400	—35.7						354
7.0	395	—37.2	0.68					
7.6	363	—41.2	0.67					
8.0	345	—41.2	0.00					
8.9	300	—41.2						
9.0	295	—41.2	0.00					
9.24	285	—41.2	0.00					315
10.0	255	—38.5	—0.36					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
11.0	220	—36.6	—0.19					
11.68	200	—36.6						
12.0	191	—36.6	0.00					286
13.0	164	—36.6	0.00					
14.0	142	—37.2	0.06					
15.0	124	—37.8	0.06					
15.62	113	—38.1	0.05					274

26.6 1325 φ = 77°38′ λ = 192°28′

10/10 Ns, Fs (41), ÷

0.0	004	0.0		100	3.8	135	4	
0.03	000	—0.1		100	3.8	—	—	
0.2	978	—1.3	0.65	100	3.4	128	5	
0.5	942	—3.3	0.67	99	3.0	137	6	
0.88	900	—5.2		98	2.7	136	6	
1.0	885	—5.6	0.46	98	2.6			
1.32	850	—6.4		97	2.5			
1.5	831	—6.9	0.26	97	2.5			
1.79	800	—7.3		96	2.4			
2.0	779	—7.8	0.18	95	2.4			
2.21	758	—8.2	0.19	95	2.5			
2.5	730	—9.7	0.52	94	2.2			

H	B	t	γ	U	q	d	V	W
2.83	700	—12.2		94	1.8			
3.0	684	—13.4	0.74	93	1.7			353
4.0	600	—18.4	0.50	91	1.2			
5.0	524	—24.5	0.61	85	0.7			
5.33	500	—25.8		82	0.6			
6.0	455	—29.2	0.47	76	0.5			
6.92	400	—34.5		71				
7.0	395	—35.0	0.58	71				412
7.93	345	—42.5	0.81					
8.0	341	—42.5						
8.75	305	—42.5	0.00					
8.89	300	—41.8						
9.0	295	—40.8	—0.68					
10.0	256	—37.0	—0.38					
11.0	222	—35.3	—0.17					
11.66	200	—35.2						
12.0	190	—35.1	—0.02					456
13.0	165	—35.0	—0.01					
14.0	143	—34.8	—0.02					
15.0	124	—34.7	—0.01					
16.0	107	—34.5	—0.02					
16.45	100	—34.5						466
17.0	93	—34.4	—0.01					

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H	B	t	γ	U	q	d	V	W
18.0	80	−34.2	−0.02					
19.0	70	−34.0	−0.02					
20.0	60	−33.9	−0.01					
20.8	53	−33.8	−0.01					478

27.6 0152 φ = 77°43′ λ = 191°47′

10 10 St (8), ❦

0.0	006	−0.1		98	3.7	112	8	
0.05	000	−0.2		97	3.7			
0.2	980	−0.5	0.20	96	3.5			
0.5	944	−1.0	0.17	94	3.5			
0.87	900	−1.5		90	3.3			
1.0	887	−1.7	0.14	89	3.4			
1.35	850	−2.2		87	3.3			
1.5	834	−2.3	0.12	75	2.8			
1.83	800	−4.6		75	2.5			
2.0	782	−6.0	0.74	75	2.2			
2.5	733	−9.0	0.60	75	1.8			
2.72	713	−11.1	0.95	79	1.7			273
2.85	700	−11.4		82	1.6			
3.0	687	−11.9	0.29	87	1.7			
3.34	657	−12.6	0.21	88	1.8			
4.02	600	−18.0	0.79	77	1.0			
5.0	527	−23.0	0.51	62	0.6			
5.37	500	−25.5		60	0.5			298
6.0	459	−30.6	0.76	56				
6.95	400	−37.5		51				
7.0	396	−38.0	0.74	51				
8.0	342	−44.9	0.69	50				
8.89	300	−39.5		50				312
9.0	295	−38.9	−0.60	49				
10.0	256	−36.3	−0.26	49				
11.0	221	−35.6	−0.07	48				
11.68	200	−35.1		47				276
12.0	191	−34.8	−0.08	47				
13.0	166	−34.4	−0.04	46				
14.0	145	−34.4	0.00	45				246
15.0	126	−34.2	−0.02	44				
16.0	108	−33.8	−0.04	44				
16.5	100	−33.7		44				240
17.0	93	−33.5	−0.03	44				
18.0	81	−33.2	−0.03	44				
19.0	72	−32.4	−0.08					
19.6	65	−31.5	−0.15					243

H	B	t	γ	U	q	d	V	W
0.0	997	−0.2		100	3.8	180	2	
0.2	972	−1.2	0.50	100	3.6	187	3	
0.5	936	−2.0	0.27	100	3.4	183	6	
0.81	900	−2.9		100	3.3	209	8	
1.0	879	−3.7	0.34	100	3.2	205	7	
1.27	850	−5.2		100	2.9			
1.5	825	−6.7	0.60	100	2.7			
1.75	800	−8.1		100	2.4			
2.0	773	−9.1	0.48	100	2.3			
2.5	726	−11.3	0.44	100	2.0			240
2.77	700	−12.6		100	1.9			
3.0	679	−13.8	0.50	100	1.7			
3.94	600	−20.3		87	0.9			
4.0	595	−20.6	0.68	87	1.0			
5.0	519	−26.0	0.54	82	0.6			
5.27	500	−27.8		82	0.5			
6.0	452	−32.1	0.61	78				325

28.6 0127 φ = 77°46′ λ = 191°40′

10/0 As, Ac, Ns, ⛆, ⚹°

28.6 1349 φ = 77°49′ λ = 191°35′

10 10 St

0.0	000	−0.3		100	3.7	158	8	
0.2	975	−0.5	0.10	96	3.5	155	7	
0.5	940	−1.0	0.17	92	3.4	170	9	
0.85	900	−1.7		87	3.2			
1.0	882	−1.8	0.16	86	3.2			
1.23	857	−2.3	0.22	86	3.1			
1.29	850	−2.7		86	3.2			
1.5	828	−3.9	0.59	86	2.8			
1.77	800	−5.1		86	2.7			
2.0	777	−5.8	0.38	86	2.6			
2.5	728	−8.3	0.50	86	2.2			
2.81	700	−9.9		86	2.0			297
3.0	683	−11.0	0.54	86	1.9			
3.98	600	−16.6	0.57	86	1.3			
5.0	523	—	—	86				
5.33	500	—		86				282
6.0	456	—	—					
6.93	400	—						
7.0	396	—	—					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
8.0	343	—35.8						235
8.93	300	—32.8						
9.0	297	—32.6	—0.32					
10.0	258	—30.8	—0.18					224
11.0	225	—30.6	—0.02					
11.82	200	—30.6						
12.0	195	—30.6	0.00					211
13.0	168	—30.6	0.00					
14.0	146	—31.8	0.12					214

29.6 0142 φ = 77°51′ λ = 191°33′

10/10 St (8), ☰, ⛆, ÷

0.0	998	0.2		100		180	3	
0.2	974	—0.6	0.40					
0.5	938	—2.2	0.53					
0.83	900	—3.6						
1.0	881	—4.3	0.42					
1.27	850	—5.9						
1.5	826	—7.2	0.58					
1.75	800	—8.5						
2.0	774	—9.4	0.44					
2.5	726	—10.7	0.26					
2.78	700	—11.7						
3.0	679	—12.9	0.44					327
3.95	600	—18.2						
4.0	595	—18.4	0.55					
5.0	519	—26.8	0.84					
5.27	500	—29.4						
6.0	451	—35.2	0.84					316
6.52	419	—39.1	0.75					
6.83	400	—39.1						
7.0	390	—39.1	0.00					
7.65	356	—39.1	0.00					
8.0	338	—37.0	—0.60					
8.87	300	—32.5						
9.0	294	—32.5	—0.45					289
10.0	254	—32.5	0.00					
11.0	221	—32.5	0.00					
11.7	200	—32.5						253
12.0	192	—32.5	0.00					
13.0	166	—32.5	0.00					
14.0	145	—32.0	—0.05					251
15.0	126	—30.9	—0.11					
15.58	117	—29.3	—0.28					238

Продолж. приложения

H	B	t	γ	U	q	d	V	W
8.0	341	—37.6	0.00	68				
8.5	318	—37.6	0.00	68				
8.9	300	—36.9		67				
9.0	295	—36.7	—0.18	67				292
10.0	256	—34.0	—0.27	66				
11.0	222	—32.8	—0.12	65				
11.15	216	—32.6	—0.13	64				
11.7	200	—32.6		63				
12.0	191	—32.6	0.00	62				283
12.8	166	—32.6	0.00	59				
13.0	163	—32.9	0.15	59				
14.0	144	—34.0	0.11	58				
15.0	125	—34.0	0.00	58				306
16.0	108	—34.0	0.00	58				
16.5	100	—34.0		58				
17.0	93	—34.0	0.00	58				
18.0	81	—34.0	0.00	57				303
19.0	70	—34.0	0.00	57				
20.0	60	—33.7	—0.03	56				
21.0	52	—33.3	—0.04	56				336
21.3	50	—32.2		56				
22.0	45	—32.8	—0.05	56				
23.0	38	—32.4	—0.04	55				

29.6 1341 φ = 77°52′ λ = 191°47′

3/3 Fs

0.0	004	0.0		98	3.7	180	5	
0.03	000	—0.4		98	3.6	—	—	
0.2	978	—1.2	0.60	97	3.5	187	10	
0.5	941	—3.0	0.60	96	3.1	197	8	
0.85	900	—4.6		94	2.7	188	10	
1.0	883	—5.3	0.46	93	2.5	188	11	
1.31	850	—7.4		92	2.2	196	12	
1.5	830	—7.9	0.52	90	2.0	201	12	
1.78	800	—8.5		90	2.0	207	14	
2.0	779	—9.2	0.26	88	2.0	207	13	
2.5	730	—11.1	0.38	83	1.7	220	14	
2.83	700	—12.0		81	1.5	224	15	
3.0	683	—12.9	0.36	80	1.4	221	16	324
3.98	600	—18.4	0.56	77	1.0	219	15	
5.0	523	—24.0	0.55	74	0.7	225	16	
5.33	500	—25.7		73	0.6	225	21	
6.0	454	—30.5	0.65	70		228	33	336
6.89	400	—36.4		70				
7.0	394	—37.1		69				
7.07	390	—37.6	0.66	69				

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
24.0	33	−31.7	−0.07					
25.0	28	−31.0	−0.07					
26.0	24	−29.6	−0.14					
27.0	23	−27.6	−0.20					
27.74	22	−27.6	0.00					358

30.6 1327 $\varphi = 78°00'$ $\lambda = 191°42'$

9/2 Ci, Fs

H	B	t	γ	U	q	d	V	W
0.0	000	−0.3		91	3.4	180	3	
0.2	975	−1.7	0.70	91	3.2	192	4	
0.5	939	−2.9	0.40	91	2.9	191	1	
0.84	900	−4.5		91	2.6	213	6	
1.0	881	−5.8	0.58	91	2.4	201	7	
1.29	850	−7.9	0.72	91	2.1	190	6	
1.5	828	−8.5	0.29	91	2.0	180	7	
1.76	800	−9.0		91	2.0	171	7	
2.0	775	−9.4	0.18	91	2.0	165	6	
2.5	728	−10.0	0.12	91	2.0	174	8	
2.8	700	−11.5		82	1.6	164	8	
3.0	681	−12.5	0.50	79	1.5	166	9	295
3.97	600	−17.1		68	1.0	159	12	
4.0	598	−17.3	0.48	68	1.0	158	13	

H	B	t	γ	U	q	d	V	W
5.0	522	−23.1	0.38	63	0.6	110	13	
5.3	500	−25.3				118	14	
6.0	453	−30.6	0.75			111	17	290
6.89	400	−37.6						
7.0	393	−38.4	0.78					
7.4	371	−40.2	0.45					
7.9	346	−40.2	0.00					
8.0	341	−39.5	0.70					
8.9	300	−35.9						272
9.0	295	−35.5	−0.40					
10.0	256	−33.0	−0.25					
10.25	246	−32.5	−0.20					
11.0	221	−32.5	0.00					
11.56	205	−32.5	0.00					
11.71	200	−32.6						
12.0	192	−32.8	0.07					252
13.0	166	−33.5	0.07					
14.0	145	−34.0	0.05					258
15.0	126	−34.0	0.00					
16.0	110	−34.0	0.00					
16.68	100	−34.0						
17.0	95	−34.0	0.00					
18.0	82	−34.0	0.00					[illegible]

Продолж. приложения

H	B	t	γ	U	q	d	V	W
19.0	70	−34.0	0.00					
20.0	58	−34.0	0.00					
20.6	50	−34.0	0.00					272

1.7 0128 $\varphi = 77°59'$ $\lambda = 191°53'$

9/9 Fs, $\equiv_3$

H	B	t	γ	U	q	d	V	W
0.0	002	−2.0		95	3.0	202	4	
0.2	976	−2.7	0.35	95	3.0	214	7	
0.5	940	−3.7	0.33	95	2.9			
0.85	900	−4.8		95	2.7			
1.0	883	−6.0	0.46	94	2.4			
1.31	850	−7.4		89	2.1			
1.5	829	−8.0	0.40	88	2.0			
1.77	800	−8.7		84	1.9			
2.0	776	−9.1	0.22	82	1.9			
2.5	728	−10.1	0.20	73	1.6			
2.8	700	−11.6		68	1.4			
3.0	681	−12.7	0.52	63	1.2			
3.97	600	−18.8		55	0.7			365
4.0	597	−19.0	0.63	55	0.7			
5.0	522	−25.6	0.66	53	0.4			
5.3	500	−27.0		53	0.3			

H	B	t	γ	U	q	d	V	W
6.0	453	−31.1	0.55	52				
6.87	400	−38.6		51				
7.0	393	−39.6	0.85	50				
7.2	381	−40.7	0.55	50				
7.85	348	−40.7	0.00	50				
8.0	340	−40.3	−0.27					422
8.88	300	−35.6						
9.0	294	−35.2	−0.51					
10.0	255	−33.8	−0.14					
10.7	231	−33.0	−0.11					
11.0	221	−33.0	0.00					336
11.72	200	−33.0						
11.88	195	−33.0	0.00					
12.0	192	−33.1	0.08					
13.0	167	−33.8	0.07					
13.5	155	−34.5	0.14					
14.0	145	−34.5	0.00					307
15.0	124	−34.5	0.00					
16.0	108	−34.5	0.00					
16.52	100	−34.5						
17.0	94	−34.5	0.00					317
18.0	82	−34.5	0.00					
19.0	71	−34.5	0.00					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
20.0	62	—34.5	0.00					298
21.0	53	—34.5	0.00					
21.5	50	—34.5						
22.0	47	—34.5	0.00					
23.0	40	—34.5	0.00					
23.5	38	—34.5	0.00					295

1.7 1351 φ = 78°02′ λ = 192°05′

10/10 St(41), Sc, ⛰

0.0	002	—0.4		87	3.2	202	6	
0.2	976	—1.4	0.50	87	2.9	194	8	
0.5	940	—3.5	0.70	87	2.6			
0.85	900	—5.0		87	2.4			
1.0	883	—5.7	0.44	87	2.3			
1.29	850	—7.1		87	2.2			
1.5	827	—7.9	0.44	87	2.0			
1.76	800	—9.1		87	1.9			
2.0	775	—10.0	0.42	87	1.8			
2.5	727	—11.8	0.36	86	1.6			
2.79	700	—13.4		84	1.4			
3.0	680	—14.6	0.56	82	1.3			325
3.95	600	—20.0		75	0.8			
4.0	595	—20.4	0.58	75	0.8			
5.0	519	—27.6	0.72	67	0.4			
5.27	500	—28.5		65	0.4			
6.0	451	—33.4	0.58	59				308
6.85	400	—37.8		54				
7.0	391	—39.4	0.60	53				
8.0	339	—39.4	0.00	48				
8.85	300	—36.5		44				
9.0	294	—35.8	—0.36	43				336
10.0	255	—32.6	—0.32	36				
10.31	244	—32.2	—0.13	35				
11.0	221	—32.2	0.00	33				
11.72	200	—32.2		31				
12.0	192	—32.2	0.00	30				291
12.16	188	—32.2	0.00	30				
13.0	167	—32.7	0.60	28				
14.0	144	—33.7	0.[illegible]	26				
15.0	125	—33.7	0.[illegible]	25				306
16.0	108	—33.7						
16.56	100	—33.7						
17.0	94	—33.7	0.00					
18.0	81	—33.7	0.00					
19.0	71	—33.7	0.00					379

Продолж. приложения

H	B	t	γ	U	q	d	V	W
20.0	62	—33.7	0.00					
21.0	54	—33.7	0.00					
21.6	50	—33.7	0.00					
22.0	48	—33.5	—0.05					
23.0	42	—33.3	—0.02					445
24.0	35	—33.0	—0.03					
25.0	31	—32.8	—0.02					
26.0	28	—32.5	—0.03					
27.0	25	—32.2	—0.03					449

2.7 0133 φ = 78°02′ λ = 192°12′

10/0 Cc, Ci, Ac, ☰м

0.0	002	—1.8		96	3.1	202	1	
0.03	000	—1.9		95	3.0	—	—	
0.2	977	—2.4	0.30	93	3.0	229	3	
0.5	941	—3.8	0.47	89	2.6	224	4	
0.85	900	—5.5		84	2.3	227	4	
1.0	882	—6.4	0.52	83	2.1	232	4	
1.29	850	—7.8		83	1.8	223	2	
1.5	828	—8.9	0.50	83	1.7	219	2	
1.75	800	—10.1		77	1.5	213	3	
2.0	775	—11.2	0.46	73	1.4	208	3	
2.5	726	—14.2	0.60	72	1.2	220	4	280
2.77	700	—15.8		72	1.0			
3.0	679	—17.1	0.58	72	0.9			
3.93	600	—23.5		69	0.6			
4.0	594	—23.8	0.67	68	0.5			
5.0	517	—29.9	0.61	64	0.3			
5.24	500	—31.4		64				
6.0	449	—37.8	0.79	61				269
6.56	413	—41.6	0.68	59				
6.79	400	—41.6		59				
7.0	387	—41.6	0.00	59				
7.05	385	—41.6		57				
8.0	334	—37.4	—0.42	56				248
8.77	300	—34.5		55				
9.0	291	—33.9	—0.35	54				
9.61	266	—32.6	—0.21	53				
10.0	252	—32.6	0.00	52				223
10.37	239	—32.6	0.00	51				
11.0	218	—33.0	0.06	50				
11.61	200	—33.5		49				
12.0	189	—33.8	0.08	49				209
13.0	164	—35.1	0.13	48				
14.0	142	—35.9	0.08	46				227

Продолж. приложения

H	B	t	γ	U	q	d	V	W
15.0	124	—36.4	0.05	46				
16.0	106	—37.0		46				231
16.06	104	—37.1	0.07	46				
16.37	100	—37.1		46				
17.0	91	—37.1	0.00	46				
18.0	80	—37.1	0.00	46				
19.0	69	—37.1	0.00					
20.0	60	—37.1	0.00					
21.0	53	—37.1	0.00					
21.4	50	—37.1	0.00					232

2.7 1324 φ = 78°02′ λ = 192°13′

10/10 Sc (93)

0.0	007	—0.5		95	3.4	292	4
0.08	000	—1.0		95	3.3	—	—
0.2	983	—1.6	0.55	94	3.2	295	5
0.5	945	—3.4	0.60	92	2.8	303	6
0.89	900	—6.1		90	2.3	274	6
1.0	886	—6.8	0.68	89	2.1	272	7
1.34	850	—8.2		87	2.0	271	6
1.5	833	—8.6	0.36	86	1.9	271	6
1.82	800	—9.4		84	1.8	272	7

H	B	t	γ	U	q	d	V	W
2.0	780	—10.2	0.32	83	1.7	278	6	
2.5	732	—12.7	0.50	80	1.4			
2.84	700	—14.2		78	1.2			272
3.0	684	—14.8	0.42	77	1.2			
4.0	600	—20.6	0.58	73	0.7			
5.0	522	—26.8	0.62	71	0.4			
5.3	500	—29.0		71	0.4			257
6.0	453	—34.2	0.74	69				
6.88	400	—39.6		66				
7.0	393	—40.1	0.59	65				
7.24	380	—41.2	0.46	65				240
8.0	340	—37.5	—0.49	62				
8.88	300	—33.4		59				
9.0	295	—33.2	—0.43	[illegible]				
10.0	256	—31.7	—0.15	[illegible]				231
10.1	252	—31.6	—0.10	[illegible]				
11.0	221	—31.6	0.00	57				
11.71	200	—31.6	0.00	56				
12.0	192	—31.7	0.03	55				252
13.0	167	—32.9	0.12	54				
14.0	145	—33.9	0.10	53				
15.0	125	—34.6	0.07	52				250
15.28	120	—34.8	0.07	52				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.0	108	—34.8	0.00	52				
16.58	100	—34.8						
17.0	94	—34.8	0.00					288
18.0	81	—34.8	0.00					
19.0	70	—34.8	0.00					
20.0	60	—34.8	0.00					
21.0	52	—34.8	0.00					
21.3	50	—34.8	0.00					286

3.7 0141 φ = 78°00′ λ = 192°16′

10/10 Sc (40)

0.0	013	—1.5		87	2.9	292	5
0.1	000	—2.2		87	2.8		
0.2	987	—2.7	0.60	88	2.7		
0.5	948	—4.4	0.57	90	2.5		
0.7	925	—5.6	0.60	90	2.3		
0.91	900	—6.0		90	2.3		
1.0	890	—6.1	0.17	90	2.3		
1.37	850	—6.8		90	2.2		
1.5	837	—7.1	0.20	89	2.2		
1.85	800	—8.0		78	1.9		
2.0	784	—8.8	0.34	76	1.8		

H	B	t	γ	U	q	d	V	W
2.5	735	—11.4	0.52	71	1.4			
2.87	700	—13.3		69	1.2			
3.0	688	—14.0	0.52	68	1.2			317
4.0	602	—19.1	0.51	63	0.8			
4.03	600	—19.3		63	0.7			
5.0	525	—24.9	0.58	61	0.5			
5.35	500	—26.8		61	0.4			
6.0	456	—30.4	0.55	61				299
6.95	400	—37.5	0.75	61				
7.0	396	—37.5		60				
8.0	343	—37.5	0.00	53				
8.94	300	—37.5		48				256
9.0	297	—37.5	0.00	47				
9.4	280	—37.5	0.00	46				
9.86	262	—35.8	—0.37	43				
10.0	257	—35.8	0.00	42				221
11.0	222	—35.8	0.00	38				
11.71	200	—35.8		37				
12.0	192	—35.8	0.00	37				
13.0	167	—35.8	0.00	36				217
14.0	144	—35.8	0.00	34				
15.0	124	—35.8	0.00	32				229
16.0	108	—35.8	0.00	31				

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H	B	t	γ	U	q	d	V	W
16.55	100	−35.8		30				
17.0	94	−35.8	0.00	29				228
18.0	81	−35.8	0.00	28				
18.35	78	−35.8	0.00	28				
19.0	70	−35.6	−0.03	27				
20.0	60	−35.1	−0.05					266
21.0	53	−34.6	−0.05					
21.3	50	−34.5						
22.0	45	−34.2	−0.04					
23.0	40	−33.5	−0.07					270
24.0	34	−32.8	−0.07					
25.0	30	−32.6	−0.02					270

3.7 1409 φ = 77°59′ λ = 192°16′

10/10 St, ✳

0.0	016	−2.0		95	3.0	292	3	
0.13	000	−3.0		93	2.8			
0.2	991	−3.4	0.70	92	2.7			
0.5	955	−3.7	0.10	88	2.6			
0.97	900	−4.3		77	2.2			
1.0	896	−4.3	0.12	77	2.2			
1.41	850	−4.8		71	2.1			
1.5	840	−5.1	0.16	70	2.1			145

H	B	t	γ	U	q	d	V	W
1.88	800	−6.4		76	2.1			
2.0	787	−6.6	0.30	74	2.1			
2.5	739	−7.7	0.22	56	1.5			
2.92	700	−10.2		55	1.3			130
3.0	692	−10.5	0.56	55	1.3			
4.0	608	−14.8	0.43	51	0.9			125
4.1	600	−15.6		51	0.9			
5.0	531	−20.6	0.58	48	0.6			130
5.45	500	−22.5		45	0.4			
[illegible]	464	−25.4	0.48	41	0.3			
[illegible]	403	−31.9	0.65					137
[illegible]	400	−32.2						
[illegible]	350	−39.1	0.72					143
[illegible]	330	−42.3	0.80					
[illegible]	303	−42.3	0.00					
[illegible]	300	−42.3						
9.16	295	−42.3	0.00					138
10.0	261	−38.6	−0.44					
11.0	225	−36.6	−0.20					140
11.84	200	−35.9	−0.08					
12.0	196	−35.9	0.00					
13.0	169	−35.9	0.00					
13.75	152	−35.9	0.00					137

H	B	t	γ	U	q	d	V	W

4.7 0139 φ = 77°59′ λ = 192°14′

10/0 Ac (227)

0.0	017	−3.0		96	2.8	180	1	
0.14	000	−3.1		96	2.9	250	2	
0.2	991	−3.2	0.10	96	2.9	268	2	
0.5	954	−3.4	0.07	96	2.9	312	3	
0.85	914	−3.7	0.09	94	2.9	312	4	
0.97	900	−4.3		93	2.7	313	4	
1.0	896	−4.6	0.60	91	2.6	313	4	
1.43	850	−6.5		90	2.3	266	4	
1.5	842	−6.7	0.42	89	2.3	272	4	
1.9	800	−7.4		87	2.2	304	4	
2.0	789	−7.5	0.16	87	2.3	300	5	
2.5	740	−10.7	0.64	84	1.8			
2.61	729	−11.6	0.82	83	1.7			
2.8	711	−10.3	−0.68	70	1.5			
2.93	700	−10.3		59	1.3			317
3.0	693	−10.3	0.00	57	1.3			
3.5	650	−10.3	0.00	50	1.2			
4.0	609	−12.6	0.46	48	1.1			
4.11	600	−13.0		48	1.0			
5.0	532	−18.3	0.57	48	0.7			

H	B	t	γ	U	q	d	V	W
5.45	500	−21.0		48	0.6			
6.0	463	−24.3	0.60	48	0.4			268
7.0	404	−31.7	0.74	46				
7.07	400	−32.3		45				
8.0	351	−39.0	0.73	38				
8.7	317	−42.7	0.53					258
9.0	304	−42.7	0.00					
9.09	300	−42.7						
9.35	268	−42.7	0.00					230
10.0	262	−40.3	−0.37					
11.0	226	−37.5	−0.28					
11.3	217	−36.8	−0.23					
11.87	200	−36.8						
12.0	196	−36.8	0.00					218
13.0	169	−36.8	0.00					
14.0	147	−36.8	0.00					227
15.0	126	−36.8	0.00					
16.0	109	−36.8	0.00					
16.6	100	−36.8						248
17.0	95	−36.8	0.00					
18.0	83	−36.8	0.00					
19.0	72	−36.4	−0.04					294
20.0	62	−35.8	−0.06					

H	B	t	τ	U	q	d	V	W
21.0	53	−35.3	−0.05					
21.45	50	−35.1						
22.0	46	−34.9	−0.04					
23.0	41	−34.5	−0.04					
24.0	35	−34.1	−0.04					
24.4	33	−34.0	−0.02					297

4.7 1359 φ = 78°00′ λ = 192°15′

9/9 Fs

0.0	018	−1.2		89	3.0	045	1	
0.15	000	−2.2		90	2.9	—	—	
0.2	992	−2.3	0.55	91	2.8	—	—	
0.5	954	−3.2	0.30	91	2.8	—	—	
0.82	917	−5.1	0 59	91	2.5	—	—	
0.97	900	−5.1		91	2.5	—	—	
1.0	897	−5.1	0.00	91	2.5	065	2	
1.36	858	−5.1	0.00	86	2.5	068	2	
1.43	850	−5.2		84	2.5	069	3	
1.5	843	−5.3	0.14	82	2.4	069	3	
1.91	800	−6.3		70	2.0	072	4	
2.0	790	−6.5	0.24	68	1.9	073	4	
2.5	741	−7.5	0.20	60	1.6	071	3	

H	B	t	τ	U	q	d	V	W
2.94	700	−8.3		52	1.4			
3.0	695	−8.4	0.18	51	1.4			331
4.0	610	−12.7	0.43	43	1.0			
4.12	600	−13.3		42	0.8			
5.0	534	−18.4	0.57	38	0.5			
5.49	500	−21.2		38				
6.0	466	−25.0	0.66	38				
7.0	405	−32.3	0.73	38				364
7.1	400	−33.2		38				
8.0	351	−37.9	0.56					
9.0	304	−42.0	0.41					
9.1	300	−42.3						
9.27	292	−42.6	0.22					
10.0	263	−42.6	0.00					318
10.43	247	−42.6	0.00					
11.0	227	−41.6	−0.18					
11.86	200	−40.7						
12.0	196	−40.7	−0.09					
13.0	169	−40.4	−0.03					292
14.0	146	−40.0	−0.04					
15.0	126	−39.4	−0.06					230
16.0	109	−39.2	−0.02					
16.63	100	−39.0						

H	B	t	τ	U	q	d	V	W
17.0	94	−38.6	−0.06					
18.0	82	−37.5	−0.11					239
19.0	72	−36.7	−0.08					
20.0	62	−36.0	−0.07					243
21.0	54	−35.1	−0.09					
21.5	50	−34.5						
22.0	46	−33.9	−0.12					242
23.0	40	−32.9	−0.10					
23.38	37	−32.4	−0.13					
24.0	35	−32.4	0.00					
24.15	34	−32.4	0.00					235

5.7 0146 φ = 78°00′ λ 192°13′

0/0 ☰₃

0.0	020	−5.2		96	2.4	090	2	
0.15	000	−4.2		95	2.6	—	—	
0.2	993	−4.0	−0.60	93	2.6	111	3	
0.5	957	−1.8	−0.73	87	2.9	114	3	
0.7	934	−0.8	−0.50	83	3.1	127	3	
1.0	900	−1.5	0.23	65	2.4	127	4	
1.23	874	−2.3	0.35	57	2.1	139	5	
1.45	850	−2.5		55	2.0	138	6	

H	B	t	τ	U	q	d	V	W
1.5	845	−2.6	0.11	55	2.0	137	6	
1.92	800	−3.0		52	1.9	142	6	
2.0	792	−3.1	0.10	51	1.9	145	6	
2.5	743	−3.7	0.12	46	1.8	186	5	
2.61	733	−3.9	0.18	45	1.7	177	5	
2.98	700	−5.4	0.41	44	1.5	198	4	
4.0	612	−9.8	0.43	39	1.1			350
4.17	600	−10.9		39	1.0			
5.0	537	−16.0	0.62	37	0.7			
5.55	500	−19.8		35	0.5			
6.0	470	−21.6	0.56	35	0.4			
7.0	410	−27.5	0.59	34	0.3			336
7.19	400	−28.3		33	0.2			
8.0	357	−32.5	0.50	32				
9.0	310	−38.9	0.64					
9.21	300	−40.7						
10.0	267	−45.3	0.64					289
10.28	256	−46.4	0.39					
10.94	232	−46 4	0.00					
11.0	229	−45.9						
11.93	200	−41.8						
12.0	198	−41.7	−0.44					255
13.0	171	−41.0	−0.07					

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H	B	t	γ	U	q	d	V	W
14.0	147	—40.4	—0.06					
15.0	127	—40.3	—0.01					251
16.0	110	—39.5	—0.08					
16.66	100	—38.9						
17.0	95	—38.8	—0.07					259
18.0	82	—38.8	0.00					
18.82	73	—38.8	0.00					262

5.7 1326 φ = 78°03′ λ = 192°12′

10/0 As (280)

0.0	019	—1.2		91	3.1	090	4	
0.14	000	—1.7		90	3.1	—	—	
0.2	991	—1.7	0.25	90	3.1	127	7	
0.5	955	—1.3	—0.13	88	3.2	132	8	
0.99	900	—0.6	—0.14	84	3.4	136	8	
1.45	850	—0.1	—0.11	75	3.4	160	6	
1.5	845	—0.1		73	3.3	161	6	
1.94	800	—0.1		73	3.5	162	6	
2.0	793	—0.1	0.00	73	3.5	161	6	
2.16	778	—0.1	0.00	73	3.6	162	6	
2.5	745	—1.6	0.44	73	3.4			
3.0	700	—3.5	0.38	84	3.4			320

H	B	t	γ	U	q	d	V	W
4.0	616	—7.6	0.41	84	2.8			
4.2	600	—8.6		84	2.6			
5.0	540	—11.7	0.41	83	2.2			
5.59	500	—14.7		71	1.5			
6.0	473	—17.0	0.53	70	1.3			317
7.0	414	—24.9	0.79	66	0.7			
7.25	400	—26.0		65	0.6			
8.0	359	—29.7	0.48	64	0.4			
9.0	312	—37.0	0.73					
9.27	300	—39.0						289
10.0	269	—43.1	0.61					
10.8	239	—46.1	0.37					
11.0	232	—46.1	0.00					
11.55	213	—46.1	0.00					
12.0	200	—44.8	—0.29					309
13.0	172	—42.5	—0.23					
14.0	149	—41.6	—0.09					
15.0	128	—41.1	—0.05					308
16.0	110	—40.8	—0.03					
16.65	100	—40.4						
17.0	95	—40.2	—0.06					
18.0	82	—39.5	—0.07					
19.0	71	—38.5	—0.10					354

H	B	t	γ	U	q	d	V	W
20.0	61	—37.3	—0.12					
21.0	53	—36.2	—0.11					
21.4	50	—35.7						384
22.0	46	—35.2	—0.10					

6.7 0145 φ = 78°04′ λ = 192°13′

10/10 ☰ (8)

0.0	016	0.2		94	3.5	112	4	
0.11	000	—0.2	0.36	93	3.5			
0.2	989	0.0	—0.22	93	3.6			
0.3	976	1.2	—1.20	92	3.9			
0.5	952	1.2	0.00	92	4.0			
0.95	900	1.2		90	4.1			
1.0	895	1.2	0.00	90	4.1			
1.43	850	1.2		88	4.2			
1.5	842	1.2	0.00	87	4.3			
1.91	800	1.2	0.00	84	4.3			
2.0	791	0.9		82	4.3			
2.5	743	—1.7	0.49	79	3.6			
2.98	700	—2.5	0.17	75	3.3			
4.0	614	—7.0	0.44	69	2.4			
4.19	600	—8.2		68	2.2			302

H	B	t	γ	U	q	d	V	W
5.0	539	—13.0	0.60	63	1.4			
5.57	500	—15.6		60	1.2			
6.0	471	—17.5	0.45	52	0.9			303
7.0	412	—22.7	0.52	43	0.5			
7.22	400	—23.7		43	0.5			
8.0	359	—28.7	0.60	43	0.3			
9.0	311	—36.0	0.73	43				
9.27	300	—37.7						348
10.0	269	—41.8	0.58					
11.0	233	—47.9	0.61					
11.57	214	—53.0	0.90					335
12.02	200	—50.3	—0.60					
13.0	172	—43.6	—0.68					
14.0	147	—43.6	0.00					294
15.0	127	—42.8	—0.08					
16.0	110	—41.9	—0.09					
16.63	100	—41.4						310
17.0	95	—41.2	—0.07					
18.0	82	—40.6	—0.06					
19.0	70	—39.8	—0.08					
20.0	60	—39.0	—0.03					
21.0	53	—38.2	—0.08					
21.3	50	—38.0						

H	B	t	γ	U	q	d	V	W
22.0	45	—37.5	—0.07					320
23.0	39	—36.8	—0.07					
24.0	34	—36.3	—0.05					
25.0	30	—35.7	—0.06					
26.0	25	—35.1	—0.06					320

6.7 1339 φ = 78°05′ λ = 192°13′

10/10 ☰

0.0	014	0.6		95	3.7	112	3	
0.11	000	0.4		97	3.9			
0.2	989	0.4	0.10	100	4.0			
0.5	953	4.0	—1.20	100	5.3			
0.75	924	4.9	—0.36	100	5.9			
0.97	900	4.8		98	6.0			
1.0	896	4.7	0.08	98	5.8			
1.44	850	4.0		89	5.4			
1.5	844	3.9	0.16	88	5.4			
1.93	800	2.9		82	4.8			
2.0	793	2.7	0.24	82	4.8			
2.5	745	0.9	0.36	80	4.5			
3.0	700	—0.7	0.32	78	4.0			297
4.0	617	—5.1	0.44	75	3.1			
4.21	600	—7.1		74	2.6			
5.0	541	—10.3	0.52	72	2.1			
5.6	500	—13.9		70	1.5			
6.0	473	—16.1	0.58	69	1.4			288
7.0	416	—21.5	0.54	66	0.9			
7.27	400	—23.4		65	0.8			
8.0	362	—28.1	0.66	63	0.4			
9.0	314	—33.3	0.52	61				305
9.31	300	—35.1		60				
10.0	272	—41.3	0.80	59				
11.0	234	—49.5	0.82	57				
11.7	211	—54.5	0.71	56				
12.0	202	—53.7	—0.27	55				
12.07	200	—53.3		55				300
13.0	174	—46.6	—0.7	53				
14.0	150	—44.1	—0	52				262
15.0	129	—43.9	—	51				
16.0	110	—42.7	—	50				
16.65	100	—41.8		50				
17.0	95	—41.2		49				250
18.0	82	—39.6	— 6	48				
19.0	71	—38.1	—0.15	49				
20.0	61	—36.5	—0.16	48				258

H	B	t	γ	U	q	d	V	W
21.0	53	—35.1	—0.14	47				
21.4	50	—34.6		47				258
22.0	46	—33.9	—0.12	46				
23.0	40	—32.8	—0.11	45				
24.0	35	—31.7	—0.11	45				
25.0	30	—29.7	—0.20					
25.27	29	—29.1	—0.22					258

7.7 0128 φ = 78°06′ λ = 192°14′

10/10 ☰

0.0	018	—0.9		100	3.4	225	3	
0.15	000	—0.8		100	3.5			
0.2	994	—0.8	—0.05	100	3.6			
0.5	957	4.0	—1.60	100	5.3			
0.85	917	5.2	—0.34	88	5.2			
1.0	900	5.2	0.00	83	5.1			
1.13	886	5.2	0.00	83	5.1			
1.46	850	4.0		77	4.7			
1.5	846	3.6	0.43	76	4.4			
1.72	813	2.2	0.64	73	3.9			
1.95	800	1.8		72	4.0			
2.0	795	1.7	0.18	71	3.8			
2.5	747	1.2	0.10	67	3.7			
3.0	702	0.1	0.22	64	3.5			
3.03	700	0.0		63	3 5			366
4.0	619	—4.4	0.45	52	2.2			
4.24	600	—5.9		51	2.0			
5.0	544	—10.3	0.59	48	1.4			
5.66	500	—14.2		45	1.0			
6.0	476	—16.8	0.65	44	0.8			
7.0	417	—23.0	0.62	42	0.5			
7.28	400	—25.0		41	0.4			376
8.0	364	—30.8	0.78	38				
9.0	315	—38.1	0.73	36				
9.33	300	—41.8		36				
10.0	271	—46.8	0.87	36				372
11.0	232	—52.2	0.54					
11.58	213	—54.4	0 36					
11.78	207	—54.4	0 00					
12.0	200	—53.0	—0.64					
13.0	171	—49.4	—0 36					296
14.0	147	—47.7	—0.17					
15.0	126	—46.6	—0.11					
16.0	109	—44.4	—0.22					
16.6	100	—43.4						

H	B	t	γ	U	q	d	V	W
17.0	95	−42.9	−0.15					300
18.0	82	−41.3	−0.16					
19.0	70	−39.2	−0.21					259
20.0	61	−37.6	−0.16					
21.0	53	−37.6	0.00					
21.2	52	−37.6	0.00					263

7.7 1350 φ=78°07′ λ=192°16′

10/10 Ξ (8)

0.0	021	−1.1		97	3.3	270	2	
0.16	000	−1.7		97	3.3			
0.2	996	−1.7	0.30	97	3.3			
0.5	959	3.4	−1.70	97	4.9			
0.83	921	5.2	−0.55	82	4.7			
1.02	900	5.2	0.00	82	5.0			
1.26	874	5.2	0.00	80	5.0			
1.47	850	6.6		79	5.6			
1.5	847	6.6	−0.58	79	5.6			
1.97	800	4.3		77	5.1			
2.0	797	4.0	0.52	77	4.9			
2.5	749	1.1	0.58	74	4.1			
3.0	703	−1.8	0.58	72	3.3		310	
3.04	700	−1.9		72	3.3			
4.0	620	−6.0	0.42	63	2.3			
4.25	600	−6.7		58	2.1			
5.0	545	−8.8	0.28	51	1.7			
5.66	500	−11.2		47	1.4			
6.0	477	−13.4	0.46	47	1.2			315
7.0	418	−19.9	0.65	44	0.7			
7.34	400	−22.4		44	0.6			
8.0	365	−26.6	0.67	42	0.4			
9.0	317	−33.9	0.73	40				341
9.39	300	−36.7		40				
10.0	275	−41.4	0.75	39				
11.0	237	−49.1	0.77					
12.0	202	−55.0	0.59					331
12.07	200	−55.2						
12.3	193	−55.8	0.27					
12.8	178	−55.8	0.00					
13.0	173	−54.0	−0.90					
14.0	149	−48.4	−0.56					
15.0	127	−46.4	−0.20					309
16.0	109	−45.2	−0.12					
16.6	100	−44.3						
17.0	94	−43.7	−0.15					

H	B	t	γ	U	q	d	V	W
18.0	82	−42.8	−0.09					
19.0	71	−41.7	−0.11					
20.0	60	−40.9	−0.08					360
21.0	52	−40.0	−0.09					
21.36	60	−39.4						
22.0	46	−38.4	−0.16					
23.0	40	−37.5	−0.09					
24.0	34	−36.7	−0.08					387
25.0	30	−36.0	−0.07					
26.0	27	−35.2	−0.08					
27.0	25	−34.7	−0.05					386

8.7 0149 φ=78°08′ λ=192°15′

0/0 Ci, Ac

0.0	021	0.4		94	3.7	180	2
0.17	000	2.4		85	3.9	202	8
0.2	996	2.8	−1.20	84	4.0	205	8
0.38	974	6.8	−2.22	81	5.3	207	10
0.5	960	6.8	0.00	78	5.1	212	10
1.0	903	6.8	0.00	76	5.3	195	7
1.03	900	6.8		76	5.3	192	7
1.28	871	6.8	0.00	76	5.5	175	7
1.48	850	6.2	0.30	76	5.2	177	6
1.98	800	4.1	0.42	76	4.8	205	7
2.5	750	1.5	0.50	76	4.3	209	7
3.0	705	− 3.1	0.92	76	3.2		
3.06	700	− 3.6		76	3.1		
3.42	669	− 7.1	0.95	76	2.4		
3.7	644	− 7.1	0.00	75	2.5		
4.0	621	− 7.7	0.20	71	2.3		
4.26	600	− 8.4		68	2.1		
5.0	545	−12.2	0.45	60	1.5		
5.66	500	−14.5		56	1.2		
6.0	477	−16.2	0.40	54	1.1		
7.0	417	−23.9	0.77	52	0.6		
7.31	400	−25.3		52	0.5		
8.0	368	−30.0	0.61				
9.0	315	−37.2	0.72				
9.35	300	−39.8					
10.0	273	−44.7	0.75				
11.0	235	−51.9	0.72				
11.37	221	−55.2	0.89				
11.72	210	−55.2	0.00				
12.02	200	−52.8	−0.80				
13.0	173	−47.1	−0.58				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
14.0	149	—45.8	—0.13					
15.0	128	—45.0	—0.08					
16.0	110	—43.7	—0.13					242
16.63	100	—42.8						
17.0	94	—42.2	—0.15					
17.53	87	—41.2	—0.19					239

8.7 1331 φ = 78°11′ λ = 192°15′

6/0 Cc

0.0	019	1.6		94	3.9	158	4	
0.14	000	1.7		92	4.0	—	—	
0.2	993	2.7	—0.55	91	4.2	192	11	
0.5	958	6.3	—1.20	87	5.5	194	12	
1.0	900	6.3	0.00	81	5.4	190	13	
1.47	850	6.3		76	5.4	187	13	
1.5	847	6.3	0.00	76	5.4	187	13	
1.97	800	6.0		73	5.3	190	15	
2.0	796	4.0	0.46	73	4.6	190	15	
2.5	749	1.2	0.56	71	3.3	188	15	
3.02	700	— 1.5	0.52	69	3.3	187	17	313
4.0	619	— 6.7	0.53	65	2.3	197	15	
4.25	600	— 8.5		65	2.0	198	15	
5.0	545	—11.9	0.52	63	1.6	202	13	
5.65	500	—15.2		62	1.4	203	12	
6.0	476	—17.2	0.53	61	1.1	206	13	310
7.0	416	—24.2	0.70	60	0.7	219	16	
7.28	400	—25.5				222	18	
8.0	361	—29.3	0.51			218	25	
9.0	314	—36.7	0.74			221	27	296
9.32	300	—38.7				223	29	
10.0	272	—44.2	0.75			219	26	
11.0	234	—51.6	0.74			221	28	
11.14	230	—52.8	0.86			220	29	283
12.0	200	—52.8	0.00			221	18	
13.0	172	—47.8	—0.50			230	12	
14.0	148	—46.0	—0.18			239	7	270
15.0	127	—44.8	—0.12			243	4	
16.0	110	—43.2	—0.16			236	4	
16.63	100	—42.2				220	3	
17.0	95	—41.6	—0.16			262	3	252
18.0	81	—39.6	—0.20			039	1	
19.0	70	—38.0	—0.16					
20.0	60	—36.7	—0.13					238

Продолж. приложения

H	B	t	γ	U	q	d	V	W
9.0	313	—38.6	0.61	43				
9.29	300	—41.3		43				
10.0	270	—45.1	0.65	43				
10.92	235	—51.0	0.64	42				
11.0	232	—51.0		41				243
11.42	218	—51.0	0.00	41				
12.0	200	—46.7	—0.74	40				
13.0	172	—44.3	—0.24	40				218
13.34	163	—43.9	—0.12	40				
14.0	148	43 .9	0.00	39				
14.73	132	—43.9	0.00	39				
15.0	127	—43.6	—0.11	38				215
16.0	110	—42.7	—0.09	38				
16.62	100	—41.6		38				
17.0	95	—40.9	—0.13	38				244
18.0	82	—39.6	—0.13	38				
19.0	71	—38.6	—0.10					
19.25	68	—38.3	—0.12					247

9.7 1344 φ = 78°16′ λ = 192°17′

10.10 St (4)

0.0	012	0.5		98	3.8	158	7	
0.1	000	—0.8	1.30	99	3.6			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
9.7 0129 φ = 78°13′ λ = 192°16′								
0,0 Ac, Cc								
0.0	016	0.9		91	3.6	158	4	
0.13	000	2.4		88	4.0	—	—	
0.2	990	4.0	—1.55	86	4.4	189	11	
0.34	974	6.3	—1.64	83	5.1	189	11	
0.5	955	6.3	0.00	77	4.9	190	10	
0.88	913	6.3	0.00	63	4.2	188	10	
0.99	900	6.2	0.09	61	4.0	188	10	
1.45	850	5.1		58	3.7	190	12	
1.5	845	5.0	0.24	57	3.7	190	12	
1.95	800	3.2		55	3.2	193	13	
2.0	795	3.1	0.38	54	3.2	194	13	
2.5	747	1.1	0.40	52	2.9	192	14	
3.02	700	—1.3	0.46	49	2.4	193	15	293
4.0	617	—6.5	0.53	45	1.6	198	19	
4.23	600	—7.7		45	1.5	201	17	
5.0	543	—13.1	0.66	45	1.0	203	17	
5.63	500	—17.5		45	0.8	205	16	
6.0	476	—19.8	0.67	45	0.6	204	15	274
7.0	415	—25.9	0.61	45	0.4	200	20	
7.27	400	—27.4		44	0.4	199	19	
8.0	361	—32.5	0.66	44				277

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.2	986	−0.8	0.00	100	3.6			
0.3	975	−0.8	0.00	100	3.7			
0.5	951	3.2	−2.00	100	5.1			
0.64	935	4.6	−1.00	90	5.0			
0.96	900	4.6		64	3.7			
1.0	895	4.6	0.00	63	3.6			
1.43	850	4.6		56	3.5			
1.5	842	4.6	0.00	55	3.5			
1.82	810	4.6	0.00	51	3.3			
1.91	800	4.2		50	3.2			
2.0	791	3.9	0.39	49	3.1			
2.5	743	1.0	0.58	49	2.7			
2.99	700	−2.6	0.73	60	2.6			317
4.0	615	−9.5	0.68	75	2.1			
4.19	600	−10.3		75	2.6			
5.0	539	−14.5	0.50	75	1.5			
5.55	500	−19.5		75	1.0			
6.0	471	−22.4	0.79	75	0.8			286
7.0	412	−29.5	0.71	73	0.4			
7.19	400	−30.7		72				
8.0	356	−36.3	0.68	68				
9.0	308	−41.3	0.80	64				265
9.17	300	−45.4		63				
10.0	265	−51.5	0.72	60				
10.2	257	−53.0	0.75	60				
11.0	228	−46.7	−0.79	57				238
11.88	200	−43.6		53				
12.0	196	−43.4	−0.33	53				
13.0	169	−42.3	−0.11	49				238
14.0	146	−42.0	−0.03	47				
15.0	127	−41.6	−0.04	45				
16.0	109	−41.2	−0.04	43				228
16.58	100	−40.0		43				
17.0	94	−39.1	−0.21	41				202
18.0	81	−37.6	−0.15	40				
19.0	70	−36.9	−0.07	40				201
20.0	61	−35.4	−0.15	40				
20.5	56	−34.5		40				
21.0	53	−33.6	−0.18	40				
21.5	50	−33.6						
22.0	47	−33.6	0.00					210

10.7 1329 φ = 78°20′ λ = 192°41′

10'0 Ac

0.0	011	1.2		92	3.8	180	4	
0.09	000	1.4		90	3.9	206	10	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.2	986	2.5	−0.65	82	3.8	208	11	
0.5	951	7.3	−1.60	57	3.9	212	11	
0.82	914	8.2	−0.28	49	3.6	227	8	
0.95	900	8.0		48	3.6	222	9	
1.0	894	7.8	0.22	46	3.4	218	10	
1.42	850	6.5		44	3.1	202	14	
1.5	841	6.1	0.34	44	3.1	201	14	
1.91	800	3.7		41	2.5	207	16	
2.0	791	3.4	0.54	41	2.5	210	16	
2.5	744	0.7	0.54	40	2.1	226	12	
2.99	700	−2.3	0.61	45	2.0			314
3.3	672	−4.8	0.81	54	2.1			
3.76	635	−4.8	0.00	59	2.3			
4.0	616	−5.7	0.37	61	2.4			
4.2	600	−6.7		62	2.3			
5.0	541	−10.7	0.50	50	1.5			
5.61	500	−14.1		48	1.1			
6.0	475	−16.0	0.53	45	0.9			328
7.0	415	−23.2	0.72	42	0.5			
7.26	400	−24.6		42	0.4			
8.0	361	−29.0	0.58	42	0.3			
8.0	313	−36.4	0.74	42				
9.31	300	−38.9		42				
10.0	270	−44.5	0.81					
10.82	240	−49.5	0.61					374

11.7 1331 φ = 78°24′ λ = 192°48′

10/10☰ (6)

0.0	014	1.4		96		180	5	
0.09	000	0.9	0.56					
0.2	987	2.8	−1.73					
0.5	951	9.9						
0.56	945	10.9	−2.25					
0.97	900	10.9						
1.0	896	10.9	0.00					
1.26	869	10.9	0.00					
1.45	850	10.3						
1.5	845	10.1	0.33					
1.95	800	7.6						
2.0	794	7.3	0.56					
2.5	747	4.4	0.58					314
3.0	703	1.6	0.56					
3.04	700	1.5						
3.7	643	− 2.4	0.57					
4.0	620	− 3.0	0.20					

Продолж. приложен.

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
4.27	600	−3.6							19.0	72	−38.0	−0.13					247
4.5	582	−4.0	0.20						20.0	62	−36.2	−0.18					
5.0	546	−7.4	0.68						21.0	54	−35.3	−0.09					
5.7	500	−11.2							21.5	50	−34.8						
6.0	480	−12.6	0.52					288	21.7	48	−34.6	−0.10					244
7.0	420	−19.3	0.67														
7.36	400	−22.4															
8.0	366	−27.0	0.77														
9.0	317	−33.3	0.63					271									
9.4	300	−36.9															
10.0	274	−40.9	0.76														
11.0	235	−46.7	0.58														
11.7	213	−51.8	0.73					276									
12.0	203	−51.8	0.00														
12.1	200	−51.8															
12.4	191	−51.8	0.00														
13.0	175	−49.4	−0.40														
14.0	150	−45.8	−0.36					263									
15.0	129	−44.2	−0.16														
16.0	112	−42.7	−0.15														
16.75	100	−41.2						245									
17.0	97	−40.8	−0.19														
18.0	83	−39.3	−0.15														

12.7 0146 $\varphi = 78°25'$ $\lambda = 192°55$

10,0 Ac (430)

0.0	019	1.4		94	3.9	158	3
0.14	000	5.5		92	5.2	215	8
0.2	992	6.5	−2.55	92	5.6	217	7
0.5	956	9.1	−0.87	88	6.6	226	6
0.7	934	10.2	−0.55	85	7.0	230	9
1.0	900	10.2	0.00	85	7.2	219	10
1.3	869	10.2	0.00	85	7.5	215	10
1.49	850	8.9	0.68	85	7.2	214	11
1.98	800	6.1	0.57	92	6.7	211	14
2.5	750	3.9	0.42	100	6.8	215	14
3.0	705	1.4	0.50	100	6.0	222	17
3.05	700	1.2				221	17
4.0	622	− 5.4	0.68			207	17
4.29	600	− 7.7				206	16

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
4.5	584	−9.6	0.84			205	15		19.0	71	−39.4	−0.16					237
4.68	570	−8.2	−0.78			207	15		20.0	61	−37.5	−0.19					
5.0	547	−8.2	0.00			211	15		21.0	52	−36.2	−0.13					253
5.7	500	−12.0				215	16	285	21.4	50	−35.7						
6.0	480	−13.0	0.48			215	17		22.0	46	−34.9	−0.13					
7.0	420	−19.8	0.68			213	16		23.0	39	−34.8	−0.01					
7.36	400	−22.6				203	15		24.0	34	−34.8	0.00					
8.0	366	−29.0	0.92			183	17	286	24.6	30	−34.8	0.00					254
9.0	317	−36.3	0.73														
9.4	300	−39.6															
10.0	275	−43.5	0.72														
11.0	237	−52.3	0.88														
11.8	210	−56.3	0.40					297									
12.0	204	−56.3	0.00														
12.1	200	−56.3															
12.2	196	−56.3	0.00														
13.0	175	−50.2	−0.76					251									
14.0	149	−48.0	−0.22														
15.0	127	−45.9	−0.21														
16.0	112	−44.6	−0.13														
16.69	100	−43.7						230									
17.0	95	−43.1	−0.15														
18.0	82	−41.0	−0.21														

12.7 1331 $\varphi = 78°27'$ $\lambda = 192°59'$

0/0 Cs

0.0	022	2.0		84	3.6	158	2
0.17	000	6.8		75	4.7	197	11
0.2	996	7.9	−2.95	73	4.9	196	10
0.32	981	9.5	−1.33	66	5.0	197	10
0.5	960	9.5	0.00	61	4.8	196	10
1.0	905	9.5	0.00	52	4.3	192	10
1.05	900	9.5		52	4.3	190	10
1.16	888	9.5	0.00	52	4.4	187	10
1.52	850	9.0	0.42	51	4.0	188	13
2.01	800	8.2	0.37	51	3.7	193	15
2.5	753	8.	0.65	50	3.2	201	14

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
3.0	708	—0.1	0.62	49	2.6	207	14		17.0	94	—41.3	—0.17					218
3.09	700	—0.7		49	2.5	206	14	316	18.0	82	—39.6	—0.17					
4.0	624	—5.3	0.55	45	1.7	205	10		19.0	71	—37.5	—0.21					230
4.31	600	—7.0		42	1.5	210	12		20.0	61	—36.4	—0.11					
5.0	548	—9.7	0.41	38	1.2	218	11		21.0	53	—35.6	—0.08					
5.68	500	—14.4		37	0.8	224	11	248	21.5	50	—35.6						
6.0	479	—16.3	0.66	35	0.7	222	11		22.0	46	—35.6	0.00					
7.0	419	—24.1	0.78	33	0.4	217	15		22.4	44	—35.6	0.00					204
7.35	400	—26.5		32	0.3	218	16										
8.0	365	—30.2	0.61	32		222	17	233	13.7 0150 $\varphi = 78°27'$ $\lambda = 192°57'$								
8.13	338	—31.0				222	18		0/0								
9.0	317	—37.9	0.77			223	20										
9.38	300	—41.0				222	22										
10.0	274	—46.5	0.86			221	25	235	0.0	025	2.0		86	3.7	180	4	
11.0	234	—53.6	0.71			226	30		0.19	000	5.7	—1.95	83	4.7	193	11	
11.44	219	—55.7	0.48			220	30		0.4	975	8.6	—1.38	79	5.7	193	11	
12.0	201	—54.0	—0.30					236	0.5	964	8.6	0.00	78	5.6	192	10	
12.04	200	—54.0							1.0	907	8.6	0.00	64	4.9	190	11	
13.0	172	—48.3	—0.57						1.07	900	8.6		64	4.9	190	11	
14.0	149	—46.4	—0.19						1.47	857	8.6	0.00	58	4.7	189	10	
15.0	130	—45.0	—0.14					212	1.5	854	8.5		58	4.8	189	10	
16.0	113	—43.0	—0.20						1.54	850	8.4		58	4.8	189	10	
16.9	100	—41.4							2.0	805	7.4	0.23	57	4.4	183	11	
									2.05	800	7.3		57	4.6	183	11	

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.5	757	5.2	0.44	56	4.0	188	8		16.73	100	—45.2				229	3	
3.0	711	2.2	0.60	55	3.4	196	7	333	17.0	95	—44.7	—0.20			232	3	
3.13	700	1.3		54	3.3	196	7		18.0	82	—43.2	—0.15			226	2	
4.0	627	—3.6	0.58	52	2.3	197	7		19.0	71	—42.2	—0.10			200	2	335
4.36	600	—5.0		51	2.1	200	7		20.0	62	—41.5	—0.07			156	2	
5.0	553	—8.2	0.46	50	1.7	190	7		21.0	53	—40.7	—0.08			083	4	
5.76	500	—12.1		46	1.2	194	7		21.44	50	—40.3				054	4	
6.0	484	—13.3	0.51	46	1.2	198	7	312	22.0	46	—39.6	—0.11			054	4	
7.0	424	—19.2	0.59	41	0.7	214	10		23.0	39	—38.4	—0.12			054	4	372
7.44	400	—21.2		40	0.6	221	10		24.0	34	—37.8	—0.06			051	4	
8.0	371	—24.5	0.53			231	10		25.0	30	—37.1	—0.07			056	4	
9.0	322	—30.9	0.64			229	11		26.0	26	—36.3	—0.08			065	3	
9.49	300	—33.7				233	11		27.0	23	—35.8	—0.05					391
10.0	278	—37.4	0.65			231	11	313									
11.0	240	—46.5	0.91			236	12		13.7 1402 $\varphi = 78°29'$ $\lambda = 192°58'$								
12.0	207	—52.8	0.63			238	13		0/0								
12.2	200	—53.5				238	14										
12.5	191	—55.4	0.52			238	15		0.0	026	2.4		81	3.6	158	2	
13.0	177	—55.4	0.00			236	12	314	0.2	000	4.8	—1.20	73	3.9	178	8	
13.12	174	—55.4	0.00			236	11		0.4	977	7.5	—1.35	67	4.4	172	6	
14.0	150	—50.5	—0.49			232	8		0.5	965	7.5	0.00	65	4.4	175	7	
15.0	130	—48.5	—0.20			226	6		1.0	907	7.5	0.00	52	3.7	174	8	
16.0	112	—46.7	—0.18			221	4	310	1.06	900	7.5		52	3.7	173	8	

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
1.5	853	7.5	0.00	49	3.7	172	8		13.0	175	−54.6	−1.40			205	3	
1.53	850	7.3		49	3.7	173	8		14.0	150	−49.4	−0.52			203	2	
2.0	803	5.5	0.40	45	3.2	176	8		15.0	129	−47.0	−0.24			222	1	263
2.03	800	5.4		44	3.1	176	8		16.0	111	−45.4	−0.16			199	1	
2.5	755	3.7	0.36	37	2.4	173	9		16.66	100	−44.2				169	2	
3.0	709	1.4	0.46	35	2.1	167	10	305	17.0	96	−43.3	−0.21			149	2	
3.1	700	0.8		35	2.1	168	10		18.0	83	−40.6	−0.27			265	1	255
4.0	625	−3.4	0.48	34	1.6	159	9		19.0	71	−38.6	−0.20			145	2	
4.33	600	−5.6		33	1.3	161	9		20.0	62	−37.9	−0.07			118	1	257
5.0	551	−7.7	0.43	32	1.2	160	8		21.0	53	−37.9	0.00			044	2	
5.77	500	−12.0		31	0.8	171	10		21.4	50	−37.9						
6.0	484	−13.5	0.58	31	0.8	171	10	312	22.0	46	−37.9	0.00					252
7.0	424	−19.4	0.59	30	0.5	168	8										
7.42	400	−22.3		29	0.4	172	11		14.7 0142 φ = 78°30′ λ = 192°44′								
8.0	370	−25.9	0.65	29	0.3	172	12		0,0								
9.0	322	−32.8	0.69			179	9	316									
9.48	300	−37.2				179	10		0.0	025	1.2		86	3.4	135	3	
10.0	278	−40.7	0.79			178	10		0.2	000	5.6	−2.20	76	4.3	—	—	
11.0	240	−48.8	0.81			177	9		0.41	975	7.2	−0.76	65	4.2	—	—	
12.0	205	−55.7	0.69			184	6		0.5	965	7.1		62	4.0	156	10	
12.16	200	−56.5				184	6		1.0	907	6.5	0.12	52	3.5	149	10	
12.4	193	−58.1	0.60			190	5		1.07	900	6.4		49	3.3	149	10	
12.75	182	−58.1	0.00			199	4	326	1.5	853	5.7	0.16	42	2.8	159	11	

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
1.53	850	5.6		41	2.7	160	11		15.0	128	−47.4	−0.21			151	3	274
2.0	803	3.8	0.38	33	2.1	163	11		16.0	110	−45.9	−0.15			074	3	
2.03	800	3.7		33	2.0	163	11		16.6	100	−44.5				102	2	
2.5	753	2.0	0.36	30	1.8	168	10		17.0	94	−43.4	−0.25			120	1	
3.0	709	−0.5	0.50	28	1.5	168	10	293	18.0	81	−41.9	−0.15			030	3	279
3.09	700	−1.0		28	1.4	169	11		19.0	70	−40.9	−0.10			060	3	
4.0	624	−4.8	0.43	25	1.0	169	10		20.0	60	−40.1	−0.08			063	5	282
4.31	600	−6.0		22	0.9	171	10		21.0	52	−39.4	−0.07			089	5	
5.0	549	−9.0	0.42	20	0.6	168	11		21.25	50	−39.2				105	5	
5.73	500	−13.4		19	0.5	176	10		22.0	44	−38.4	−0.10			086	5	
6.0	482	−14.9	0.59			173	11	294	23.0	38	−37.4	−0.10					
7.0	422	−22.1	0.72			175	14		24.0	32	−35.8	−0.16					286
7.39	400	−25.8				177	15										
8.0	367	−31.0	0.89			175	15		14.7 1442 φ = 78°32′ λ = 192°49′								
9.0	317	−39.0	0.80			172	15	302	0,0								
9.39	300	−42.4				171	15										
10.0	274	−47.0	0.80			173	13		0.0	022	2.0		84	3.6	135	5	
11.0	235	−56.5	0.95			171	10		0.17	000	2.5		81	3.7	170	12	
11.6	213	−59.7	0.53			162	10		0.2	997	3.0	−0.50	81	3.8	171	13	
12.02	200	−59.7				162	9	323	0.5	961	8.8	−1.93	78	3.8	170	12	
12.06	199	−59.7	0.00			162	8		1.0	905	8.8		56	4.5	171	13	
13.0	172	−51.8	−0.84			160	5		1.05	900	8.8	0.00	54	4.3	172	12	
14.0	149	−49.5	−0.23			158	3		1.52	850	7.3	0.32	42	3.2	174	13	
									2.02	800	6.2	0.22	31	2.3	178	13	

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.2	783	5.7	0.28	27	2.0	176	14	
2.5	754	3.9	0.60	26	1.8	180	13	255
3.0	709	1.7	0.44	25	1.5	179	13	
3.09	700	1.2		25	1.5	178	12	
4.0	625	—3.1	0.48	23	1.1	176	11	
4.33	600	—4.2		22	1.0	178	12	
5.0	551	—6.5	0.34	21	0.8	180	12	237
5.74	500	—11.6		19	0.6	172	12	
6.0	483	—12.9	0.64	18	0.5	165	10	
7.0	423	—19.5	0.66			166	13	
7.41	400	—22.3				166	16	233
8.0	369	—26.1	0.66			165	18	
9.0	320	—32.7	0.66			167	16	
9.48	300	—36.2				166	15	
10.0	278	—40.4	0.77			164	17	246
11.0	239	—48.4	0.80			168	18	
11.79	212	—53.4	0.63			169	18	
12.0	205	—53.4	0.00			169	18	
12.16	200	—53.4				169	18	251
12.49	190	—53.4	0.00			167	16	
13.0	176	—49.6	—0.75			163	12	
14.0	153	—45.5	—0.41					
15.0	132	—43.6	—0.19					277
16.0	116	—42.1	—0.15					
17.0	101	—41.2	—0.09					
17.07	100	—41.2						294
18.0	87	—40.1	—0.11					
19.0	75	—38.7	—0.14					
20.0	65	—36.9	—0.18					
21.0	56	—35.4	—0.15					288
22.0	50	—34.6	—0.08					
22.8	44	—34.1	—0.06					284

15.7 0132 φ = 78°33′ λ = 192°52′

0,'0

0.0	022	—0.4		92	3.3	180	2
0.13	006	—0.4	0.00	91	3.3	—	—
0.18	000	0.4		91	3.6	201	6
0.5	962	5.6	—1.62	88	5.2	200	8
0.6	950	7.0	—1.40	82	5.4	200	9
1.0	903	7.0	0.00	73	5.1	196	8
1.03	900	7.0		72	5.0	195	8
1.24	877	7.0	0.00	68	4.8	194	8
1.5	850	4.6	0.92	63	3.9	199	8
1.99	800	2.4	0.45	50	2.8	194	9
2.5	750	—0.2	0.51	43	2.2	195	9

Продолж. приложения

H	B	t	γ	U	q	q	V	W
3.0	705	—2.5	0.46	41	1.8	193	9	
3.05	700	—2.8		40	1.7	192	10	337
4.0	621	—6.5	0.40	37	1.3	183	12	
4.27	600	—7.4		35	1.2	181	13	
5.0	546	—11.1	0.46			179	11	
5.67	500	—14.5				178	12	
6.0	478	—16.7	0.56			171	15	322
7.0	418	—23.6	0.69			173	17	
7.31	400	—26.0				174	17	
8.0	364	—30.9	0.73			173	20	
9.0	314	—39.0	0.81			167	18	
9.32	300	—42.0				168	19	
10.0	270	—47.5	0.85			169	21	353
11.0	233	—55.2	0.77			170	22	
11.64	210	—58.6	0.53			171	18	
11.97	200	—56.4				172	15	
12.0	199	—56.1	—0.69			172	15	
13.0	171	—50.0	—0.61			161	8	369
14.0	146	—47.5	—0.25			151	5	
15.0	125	—46.1	—0.14			154	5	
16.0	108	—44.2	—0.19			142	5	
16.52	100	—43.2				139	5	
17.0	93	—42.9	—0.13			140	5	381
18.0	81	—41.9	—0.10					
19.0	70	—40.7	—0.12					
20.0	60	—39.7	—0.10					
21.0	52	—38.6	—0.11					
21.3	50	—38.5						
22.0	45	—38.2	—0.04					
23.0	39	—37.7	—0.05					
24.0	34	—37.3	—0.04					
25.0	30	—37.0	—0.03					

15.7 1351 φ = 78°35′ λ = 192°47′

10/0 Ci, Cs, Ξ₃

0.0	020	1.0		96	3.8	158	3
0.16	000	3.1		92	4.3	167	7
0.2	995	3.5	—1.25	92	4.5	160	8
0.5	958	8.0	—1.50	84	5.9	166	10
0.6	946	8.7	—0.70	81	5.8	166	10
0.88	915	8.7	0.00	76	5.8	174	9
1.02	900	8.1	0.43	73	5.5	161	8
1.5	850	6.3	0.37	67	4.8	191	8
2.0	800	3.8	0.50	64	4.0	161	7
2.5	750	1.8	0.40	61	3.6	175	6

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.0	705	—1.2	0.60	58	2.9	173	9	301
3.06	700	—1.6		58	2.8	175	9	
4.0	620	—7.4	0.62	53	1.7	165	8	
4.25	600	—8.7		52	1.6	162	7	
5.0	545	—12.0	0.46	50	1.2	160	8	
5.67	500	—16.3		49	0.9	156	10	
6.0	477	—18.8	0.68	48	0.7			256
7.0	416	—26.2	0.74	46	0.4			
7.3	400	—28.2		45	0.3			
8.0	363	—32.9	0.67	45				252
9.0	314	—40.3	0.74	45				
9.3	300	—42.5		45				
10.0	271	—47.6	0.73					247
11.0	233	—52.8	0.52					
11.3	222	—53.4	0.20					
12.0	200	—49.7	—0.53					
12.65	180	—46.7	—0.46					248

16.7 0131 φ = 78°35′ λ = 192°49′

10/0 Ac (412)

0.0	008	0.2		97	3.7	112	2	
0.14	000	0.9		93	3.8	141	5	

H	B	t	γ	U	q	d	V	W
0.2	993	2.0	—0.90	92	4.1	141	4	
0.5	957	6.1	—1.37	74	4.5	155	5	
1.01	900	6.1	0.00	60	3.9	154	4	
1.14	886	6.1	0.00	53	3.5	154	4	
1.49	850	4.3	0.51	44	2.7	148	4	
1.97	800	1.7		44	2.3	143	6	
2.0	797	1.6	0.53	44	2.3	143	6	
2.5	749	0.0	0.32	44	2.2	138	7	
3.0	704	—3.1	0.62	44	1.9	133	6	314
3.04	700	—3.3		44	1.8	133	6	
4.0	618	—11.4	0.83	61	1.4	155	5	
4.23	600	—13.0		68	1.4			
4.32	592	—14.0	0.81	70	1.3			
4.83	553	—15.3	0.25	70	1.3			
5.0	541	—16.5	0.71	70	1.2			
5.58	500	—20.7		56	0.7			
6.0	470	—24.0	0.75	55	0.5			292
7.0	410	—30.5	0.65	55				
7.18	400	—32.4		55				
8.0	356	—38.7	0.82	55				
9.0	307	—44.5	0.58	43				288
9.16	300	—45.0		41				
9.4	289	—45.7	0.30	40				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
		°						
10.0	264	—45.7	0.00	36				
10.4	249	—45.7	0.00	34				
11.0	228	—44.6	—0.18	34				
11.92	200	—42.9						
12.0	196	—42.9	—0.17					297
13.0	169	—42.9	0.00					
14.0	146	—42.9	0.00					
15.0	126	—42.9	0.00					292
16.0	109	—42.2	—0.07					
16.6	100	—41.8						
17.0	94	—41.5	—0.07					
18.0	79	—40.5	—0.10					310
19.0	70	—39.9	—0.06					
20.0	60	—39.5	—0.04					
21.0	52	—38.9	—0.06					
21.25	50	—38.8						
22.0	46	—38.1	—0.08					365
23.0	39	—37.3	—0.08					
24.0	34	—37.0	—0.03					
25.0	30	—36.6	—0.04					
26.0	27	—36.3	—0.03					430

16.7 1351 φ = 78°36′ λ = 192°48′

10/10 ⚌°, Ci

0.0	018	1.5		87	3.7		0	
0.14	000	2.8		86	4.0	—	—	
0.2	993	3.3	—0.90	86	4.3	—	—	
0.5	956	8.0	—1.57	84	5.9	—	—	
1.0	900	8.0	0.00	71	5.3	—	—	
1.2	879	8.0	0.00	69	5.2	—	—	
1.47	850	7.3		67	5.1	249	6	
1.5	847	7.2	0.27	66	4.6	247	6	
1.97	800	4.9		66	4.5	244	6	
2.0	796	4.5	0.54	66	4.4	244	5	
2.5	749	1.3	0.64	66	3.8	239	7	
3.0	703	—2.0	0.66	66	3.0	233	6	284
3.04	700	—2.1		66	3.0	232	7	
4.0	619	—6.8	0.48	66	2.0			
4.25	600	—8.5		66	2.0			
5.0	544	—13.3	0.65	66	1.4			264
5.62	500	—17.1		66	1.1			
6.0	475	—19.2	0.59	66	1.0			

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
7.0	415	−25.4	0.62	65	0.6			
7.26	400	−26.7		65	0.6			
8.0	361	−31.5	0.61	65				262
9.0	313	−39.4	0.79	64				
9.31	300	−41.5		64				
10.0	272	−45.6	0.62	63				
10.22	263	−46.6	0.45	63				
10.9	237	−46.6	0.00	62				
11.0	234	−45.6	−1.00	62				264
12.0	200	−41.9	−0.37	61				
13.0	174	−41.2	−0.07	60				
14.0	150	−40.8	−0.04	60				288
15.0	130	−40.5	−0.03	60				
16.0	112	−40.1	−0.04	60				
16.76	100	−39.8		59				
17.0	96	−39.6	−0.05	59				292
18.0	83	−38.9	−0.07	59				
19.0	72	−38.2	−0.07	58				
20.0	62	−37.3	−0.09	57				328
21.0	54	−36.4	−0.09	57				
21.5	50	−36.2		57				
22.0	47	−35.8	−0.06	57				
23.0	40	−35.3	−0.05	57				

H	B	t	γ	U	q	d	V	W
24.0	36	−34.8	−0.05	57				431
25.0	30	−34.8	0.00	57				
26.0	27	−34.3	0.00	57				
27.0	23	−34.8	0.00					
28.0	20	−34.8	0.00					
29.0	17	−34.8	0.00					
30.0	15	−34.8	0.00					456

17.7 0136 φ = 78°36′ λ = 192°47′

9 9 ☰, Ci

0.0	020	−1.8		99	3.2	180	2	
0.17	000	−0.8		97	3.4	—	—	
0.2	995	−0.7	−0.55	96	3.5	—	—	
0.5	960	4.4	−1.70	88	4.8	—	—	
0.65	943	5.9	−1.00	87	5.4	—	—	
1.0	903	5.9	0.00	84	5.5	237	3	
1.03	900	5.9		84	5.5	237	3	
1.15	887	5.9	0.00	84	5.5	235	3	
1.49	850	4.5	0.41	82	5.1	231	4	
1.97	800	2.3		80	4.6	232	6	
2.0	797	2.2	0.45	79	4.3	234	6	
2.5	749	0.3	0.38	78	4.1	237	6	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.0	702	−1.8	0.42	75	3.4	217	8	328
3.03	700	−1.9		75	3.4	216	8	
4.0	619	−7.8	0.60	71	2.3	217	12	
4.24	600	−9.0		70	2.1	218	12	
5.0	544	−12.4	0.46	65	1.6			
5.63	500	−15.6		60	1.2			283
6.0	475	−18.8	0.64	59	0.9			
7.0	416	−26.7	0.79	58	0.5			
7.28	400	−29.0		57	0.4			
8.0	361	−34.5	0.78	56				309
9.0	312	−42.0	0.75	54				
9.27	300	−43.8		54				
10.0	268	−49.2	0.72	53				
10.6	244	−52.7	0.58	50				
11.0	230	−50.5	−0.55					
11.93	200	−45.2						308
12.0	197	−44.9	−0.56					
13.0	170	−43.4	−0.15					
14.0	146	−42.8	−0.06					
15.0	126	−42.4	−0.04					
16.0	110	−41.7	−0.07					
16.62	100	−41.1						294
17.0	94	−40.8	−0.09					

H	B	t	γ	U	q	d	V	W
18.0	81	−40.0	−0.08					318
19.0	71	−39.3	−0.07					
20.0	61	−38.2	−0.11					
21.0	52	−35.7	−0.25					
21.3	50	−35.1						
22.0	46	−34.5	−0.12					322
23.0	40	−33.8	−0.07					

17.7 1401 φ = 78°37′ λ = 192°46′

10/5 Ac, Fs, ☰°

0.0	020	−0.1		93	3.4	135	1
0.16	000	0.4		98	3.9	110	3
0.2	995	0.5	−0.30	100	4.0	113	3
0.5	960	5.5	−1.67	87	5.1	134	3
0.58	950	6.1	−0.75	87	5.4	139	3
1.0	903	6.1	0.00	87	5.7	146	3
1.03	900	6.1		87	5.7	147	2
1.1	891	6.1	0.00	86	5.7	147	2
1.49	850	5.2	0.23	80	5.1	136	2
1.97	800	3.6		66	4.0	162	5
2.0	797	3.5	0.33	66	4.0	167	6
2.5	749	0.0	0.70	66	3.4	166	5

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
3.0	703	—3.0	0.60	70	3.0	168	5	322	18.0	80	—39.0	—0.09	66				311
3.04	700	—3.3		70	2.9	168	5		19.0	69	—38.1	—0.09	66				
4.0	619	—10.0	0.70	87	2.3	181	7		20.0	60	—37.3	—0.08	66				
4.23	600	—11.4		87	2.1	187	7		21.0	52	—36.8	—0.05	66				
5.0	542	—14.6	0.46	87	1.7	202	9		21.3	50	—36.7		66				355
5.59	500	—19.4		87	1.2				22.0	45	—36.3	—0.05	66				
6.0	472	—22.6	0.80	86	0.9			283	23.0	40	—36.1	—0.02	66				
7.0	411	—31.2	0.76	82					24.0	34	—35.8	—0.03	66				
7.2	400	—31.1		82					25.0	28	—35.3	—0.05	66				
8.0	357	—35.8	0.56	79					26.0	24	—34.5	—0.08					
9.0	308	—42.1	0.63	77				304	26.36	23	—34.2	—0.08					373
9.17	300	—43.4		76													
10.0	265	—49.7	0.76	75													
10.32	252	—51.2	0.47	74													
11.0	227	—49.3	—0.28	73					0.0	019	—0.2		93	3.4	068	3	
11.85	200	—45.6		72					0.15	000	2.0		90	4.0	099	7	
12.0	196	—45.2	—0.41	72				304	0.2	993	2.6	—1.40	90	4.1	101	7	
13.0	168	—42.8	—0.24	70					0.5	957	7.8	—1.73	81	5.7	116	6	
14.0	145	—42.4	—0.04	68					0.6	945	8.5	—0.70	79	5.9	125	6	
15.0	124	—41.6	—0.06	66				284	1.0	900	8.5	0.00	74	5.7	128	5	
16.0	108	—40.7	—0.09	66					1.12	888	8.5	0.00	73	5.7	123	5	
16.48	100	—40.2		66					1.48	850	6.9	0.44	69	5.1	117	6	
17.0	93	—39.9	—0.08	66					1.98	800	5.1	0.36	69	4.7	127	6	

18.7 0201 $\varphi = 78°38'$, $\lambda = 192°41'$

5/0 Ac (325)

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.5	749	2.7	0.46	69	4.2	169	5	300	17.0	95	—39.0	—0.09	38				
3.0	704	0.0	0.54	69	3.8				18.0	82	—38.2	—0.08	38				296
3.05	700	—0.3		69	3.6				19.0	71	—37.4	—0.08	37				
4.0	621	—5.9	0.59	69	2.6				20.0	61	—37.0	—0.04					•
4.27	600	—6.7		64	2.4				21.0	53	—37.0	0.00				•	
5.0	546	—10.1	0.42	53	1.6				21.4	50	—37.0	0.00					330
5.68	500	—14.7		51	1.1			292	22.0	46	—36.8	—0.33					
6.0	477	—17.8	0.77	50	0.8				23.0	40	—36.2	—0.06					
7.0	416	—24.2	0.64	48	0.5				24.0	34	—35.8	—0.04				•	
7.29	400	—26.2		47	0.4				25.0	29	—35.1	—0.07					330
8.0	362	—32.6	0.84	45				278	26.0	27	—34.0	—0.11					
9.0	314	—40.3	0.77	43													
9.3	300	—42.6		43													
10.0	271	—47.2	0.69	42													
10.92	236	—53.9	0.73	42				261									
11.0	232	—53.4		42													
11.97	200	—50.0		41													
12.0	199	—46.4	—0.69	41				259									
13.0	171	—43.6	—0.28	41													
14.0	147	—42.7	—0.09	40													
15.0	127	—41.3	—0.14	40				262									
16.0	110	—39.9	—0.14	39													
16.64	100	—39.4		39													

18.7 1331 $\varphi = 78°39'$ $\lambda = 192°33'$

9/0 Ci, Cs

0.0	017	0.8		93	3.7	090	5	
0.14	000	1.2		92	3.8	101	10	
0.2	991	1.4	—0.30	91	3.9	105	11	
0.5	956	4.0	—0.87	88	4.7	103	12	
1.0	900	9.3	—1.06	60	5.0	113	11	
1.4	858	9.3	0.00	57	5.0	120	9	
1.48	850	9.0		57	4.8	123	9	
1.97	800	6.6		54	4.1	131	10	
2.0	797	6.0	0.55	53	3.9	131	10	

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.5	749	3.3	0.54	51	3.3	133	7		17.0	97	—33.4	—0.11					
3.0	703	0.0	0.66	49	2.7	136	8	322	18.0	84	—37.2	—0.12					
3.04	700	—0.3		49	2.5	138	8		19.0	73	—36.2	—0.10					
4.0	620	—6.0	0.60	44	1.6	143	7		20.0	63	—35.2	—0.10					328
4.26	600	—7.2		43	1.5	143	7		21.0	55	—34.3	—0.09					
5.0	545	—10.6	0.46			136	9		21.7	50	—33.7						
5.65	500	—14.7				135	11		22.0	48	—33.4	—0.09					286
6.0	477	—17.6	0.70			130	10	313	23.0	41	—32.5	—0.09					
7.0	417	—24.7	0.71			125	10		24.0	35	—31.2	—0.13					
7.32	400	—26.7				125	10		24.37	33	—30.5	—0.19					290
8.0	363	—32.4	0.77			140	12										
9.0	314	—39.5	0.71			149	14		19.7 0131 φ = 78°41′ λ = 192°11′								
9.33	300	—41.9				154	15	328	10/3 Cs, Fs								
10.0	272	—46.3	0.68			160	15										
10.96	235	—52.6	0.66			161	18		0.0	019	0.1		99	3.7	090	5	
11.0	234	—52.6				162	17		0.15	000	0.7		94	3.8	132	8	
11.53	214	—52.6	0.00			163	12		0.2	993	1.1	—0.50	93	3.8	141	7	
11.98	200	—47.0	—1.24			159	10		0.5	957	6.7	—1.87	79	5.1	144	9	
13.0	172	—42.6	—0.43			151	8	355	0.61	945	7.7	—0.91	79	5.4	145	8	
14.0	150	—41.5	—0.11			158	6		1.0	900	7.7	0.00	75	5.5	133	9	
15.0	129	—40.7	—0.08			164	5		1.49	850	6.0	0.35	71	4.9	137	9	
16.0	111	—39.5	—0.12			158	7	313	1.97	800	4.2		66	4.2	137	10	
16.75	100	—38.6							2.0	797	4.1	0.37	66	4.2	137	10	

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.5	749	1.6	0.50	60	3.4	131	10		17.0	94	—42.4	—0.07					248
3.0	704	—0.7	0.46	54	2.8	130	10	278	18.0	82	—41.6	—0.08					
3.05	700	—0.9		54	2.7	130	10		19.0	71	—40.6	—0.10					292
4.0	620	—6.0	0.53	54	2.0	127	10		20.0	61	—40.0	—0.06					
4.27	600	—8.1				126	10		21.0	53	—39.4	—0.06					
5.0	546	—11.5	0.55			122	12	247	21.36	50	—39.2						
5.67	500	—16.5				118	11		22.0	46	—38.9	—0.05					
6.0	478	—18.1	0.66			121	10		22.2	44	—38.7	—0.10					308
7.0	417	—25.1	0.70			134	12										
7.31	400	—27.7				133	12	225	19.7 1325 φ = 78°44′ λ = 192°06′								
8.0	362	—31.7	0.66			135	14		3/2 Fs, Ci								
9.0	314	—38.5	0.68														
9.31	300	—40.5							0.0	018	0.6		94	3.7	112	7	
10.0	271	—45.2	0.67					267	0.13	000	1.4		93	4.0	—	—	
10.87	238	—50.4	0.60						0.2	991	2.8	—1.10	92	4.4	133	11	
11.0	233	—50.4	0.00						0.5	955	7.0	—1.40	80	5.3	144	13	
11.6	213	—50.4	0.00						0.6	943	7.6	—0.60	63	4.3	144	13	
12.02	200	—48.9	—0.36					225	0.99	900	7.6	0.00	50	3.6	152	11	
13.0	172	—45.9	—0.31						1.24	873	7.6	0.00	47	3.5	152	11	
14.0	148	—44.8	—0.11					218	1.46	850	7.0		44	3.3	152	11	
15.0	128	—43.9	—0.09						1.5	846	6.9	0.27	43	3.2	151	11	
16.0	110	—43.1	—0.08						1.97	800	5.0		37	2.5	143	13	
16.63	100	—42.7							2.0	796	4.9	0.40	37	2.6	143	13	

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.5	750	1.8	0.62	34	2.3	149	11		17.0	95	—41.2	—0.10					
3.0	704	—1.3	0.62	33	1.6	148	10	294	18.0	82	—39.7	—0.15					
3.05	700	—1.5		32	1.5	149	10		19.0	70	—39.7	—0.00					260
4.0	620	—7.1	0.58	30	1.0	146	10										
4.27	600	—8.4		30	0.9	144	10		20.7 0131 φ = 78°46′ λ = 191°46′								
5.0	545	—12.3	0.52	28	0.8	135	6	252	6/6 Fs, Cs								
5.66	500	—16.8		26	0.4	133	6		0.0	019	—1.3		99	3.3	112	5	
6.0	477	—18.6	0.63	25	0.4	130	7		0.15	000	—1.2		96	3.4	—	—	
7.0	416	—24.2	0.56	22	0.2	108	4		0.2	992	—1.0	—0.15	94	3.4	—	—	
7.3	400	—26.0		21	0.2	103	4	234	0.5	956	4.6	—1.87	74	4.1	—	—	
8.0	362	—30.9	0.67			114	3		0.7	934	6.7	—1.05	68	4.4	—	—	
9.0	315	—37.8	0.69			345*	4		1.0	900	6.7	0.00	61	4.1	—	—	
9.36	300	—40.2				322	4		1.47	850	5.5		59	4.0	—	—	
10.0	273	—45.4	0.76					236	1.5	847	5.3	0.28	59	4.0	092	2	
10.75	244	—49.7	0.57						1.95	800	2.4		57	3.2	119	2	
11.0	234	—49.7	0.00						2.0	795	2.2	0.62	56	3.1	118	8	
11.63	212	—49.7	0.00						2.5	747	0.0	0.44	55	2.8	182	2	
12.02	200	—48.2	—0.38					259	3.02	700	—3.1	0.60	54	2.3	189	3	313
13.0	174	—44.9	—0.34						4.0	618	—9.3	0.63	50	1.4	110	3	
14.0	149	—44.1	—0.08						4.24	600	—10.3		48	1.2	108	3	
15.0	127	—43.1	—0.10					260	5.0	543	—14.3	0.50	45	0.9	112	4	
16.0	110	—42.2	—0.09						5.61	500	—17.7		44	0.7	114	5	
16.64	100	—41.6															

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
6.0	475	—19.8	0.55	42	0.4	115	6	307	1.5	844	0.4	0.33					
7.0	414	—26.2	0.64	40	0.4	117	7		1.93	800	—0.9						
7.24	400	—27.4				120	7		2.0	793	—1.0	0.28					
8.0	360	—31.0	0.48			127	6		2.5	744	—3.7	0.54					
9.0	311	—38.8	0.78			091	6	274	2.98	700	—5.8						
9.26	300	—40.4				062	7		3.0	698	—6.0	0.46					329
10.0	270	—45.1	0.63			016	11		4.0	613	—13.1	0.71					
11.0	232	—49.8	0.47						4.17	600	—13.4						
11.4	218	—49.8	0.00						5.0	539	—16.2	0.31					
12.0	200	—48.0	—0.30						5.55	500	—19.4						
12.36	190	—46.6	—0.39					246	6.0	471	—22.6	0.64					323
									7.0	411	—30.0	0.74					
20.7 1333 φ = 78°49′, λ = 191°47′									7.18	400	—31.0						
10/10 ☰									8.0	356	—37.8	0.78					
									9.0	303	—47.0	0.92					
0.0	019	—0.4		92		112	3		9.18	300	—48.6						292
0.14	000	—2.4							9.53	284	—51.2	0.79					
0.2	992	—2.4	1.00						10.0	265	—51.2	0.00					
0.5	955	1.5	—1.30						11.0	227	—46.7	—0.45					
0.97	900	1.5							11.85	200	—45.3						
1.0	897	1.5	0.00						12.0	195	—45.3	—0.14					300
1.17	879	1.5	0.00						13.0	168	—44.7	—0.06					
1.44	850	0.6							14.0	145	—44.1	—0.06					

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
15.0	124	—42.1	—0.20					265
16.0	108	—40.4	—0.17					
16.5	100	—39.5						
17.0	92	—39.0	—0.14					242
18.0	80	—37.6	—0.14					
19.0	69	—36.0	—0.11					
20.0	59	—36.0	—0.05					242

21.7 0145 φ = 78°48′ λ = 191°37′

3/0 Cc

0.0	018	—2.4		89	2.7		0
0.15	000	—1.5		87	2.9	117	1
0.2	992	—1.1	—0.65	86	3.1	150	1
0.5	955	1.5		83	3.7	147	2
0.58	946	2.1	—0.84	82	3.8	132	2
0.99	900	2.1	0.00	75	3.7	103	3
1.42	854	2.1	0.00	70	3.6	095	3
1.45	850	1.8		69	3.6	095	3
1.5	845	1.7	0.50	69	3.4	101	3
1.94	800	—0.8		67	2.9	090	2
2.0	794	—1.2	0.58	67	3.0	084	2
2.5	745	—4.3	0.62	65	2.3	052	2

H	B	t	γ	U	q	d	V	W
2.98	700	—7.2	0.60	63	1.9	019	2	318
4.0	614	—11.8	0.45	55	1.2	069	3	
4.18	600	—12.9		54	1.1	062	8	
5.0	538	—16.0	0.42	50	0.8	—	1	
5.55	500	—19.2		47	0.9	—	1	
6.0	470	—21.6	0.56	45	0.5	357	2	305
7.0	411	—27.7	0.61	43	0.3	311	3	
7.2	400	—28.9		43	0.3	308	4	
8.0	357	—33.9	0.62			301	6	
9.0	309	—39.5	0.56			310	9	315
9.2	300	—40.6				309	8	
10.0	266	—44.8	0.53			299	3	
10.9	231	—49.6	0.53			271	2	
11.0	228	—49.6	0.00			267	2	
11.3	218	—49.6	0.00			287	2	
11.9	200	—46.2				328	1	
12.0	197	—45.4	—0.60			335	2	336
13.0	170	—43.4	—0.20			294	1	
14.0	148	—42.3	—0.11			242	2	
15.0	126	—42.0	—0.03			296	1	
16.0	111	—41.8	—0.02			311	1	354
16.7	100	—41.4				297	2	
17.0	95	—41.2	—0.06			293	2	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.0	83	—40.6	—0.06			332	2	
19.0	72	—40.1	—0.05			001	2	
20.0	62	—39.5	—0.06			028	2	346
21.0	53	—39.0	—0.05			069	3	
21.3	50	—38.9				072	3	
22.0	46	—38.5	—0.05			055	2	
23.0	40	—38.0	—0.05			048	2	349
24.0	33	—37.6	—0.04			066	2	
25.0	30	—37.0	—0.06			102	3	
26.0	24	—36.3	—0.07			116	4	345
27.0	21	—35.4	—0.09			120	4	
28.0	19	—34.2	—0.12			123	2	
28.9	17	—32.9	—0.14					343

21.7 1337 φ = 78°51′ λ = 191°40′

4,0 Cl, Cc

0.0	017	0.4		93	3.6		0
0.13	000	0.4		92	3.7		0
0.2	991	0.5	—0.05	89	3.6		0
0.5	955	1.9		81	3.7	031	1
0.53	952	2.1	—0.48	80	3.7	023	1
0.99	900	2.1	0.00	77	3.8	292	1

H	B	t	γ	U	q	d	V	W
1.45	850	0.9		74	3.6	257	2	
1.5	845	0.8	0.25	74	3.6	262	3	
1.94	800	—1.3		72	3.0	286	4	
2.0	794	—1.9	0.54	71	2.9	289	4	
2.5	745	—4.9	0.60	69	2.3	336	3	
2.98	700	—7.1	0.46	67	2.0	346	3	296
4.0	614	—12.0	0.48	62	1.4	302	3	
4.17	600	—12.8		59	1.2	310	3	
5.0	537	—18.2	0.62	57	0.9	335	1	
5.53	500	—20.6				315	1	
6.0	468	—23.6	0.54			288	2	306
7.0	409	—28.5	0.49			277	4	
7.15	400	—29.4				274	4	
8.0	355	—35.2	0.67			261	4	284
9.0	306	—41.4	0.62			252	4	
9.15	300	—43.0				253	4	
10.0	263	—49.2	0.78			239	3	
10.27	253	—50.0	0.30			232	3	
10.75	235	—50.0	0.00			222	4	
11.0	225	—48.2	—0.72			223	2	275
11.83	200	—42.8				278	6	
12.0	195	—42.7	—0.55			288	6	
13.0	167	—42.4	—0.03			365	4	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
14.0	144	—42.0	—0.04			313	3	.244
15.0	126	—41.7	—0.03			295	4	
16.0	109	—41.4	—0.03			293	4	
16.55	100	—41.1	.			300	4	238
17.0	93	—40.9	—0.05			309	4	
18.0	80	—40.4	—0.05			330	3	
19.0	70	—39.8	—0.06			301	2	255
20.0	60	—38.9	—0.09			006	3	
21.0	51	—37.9	—0.10			—	1	
21.2	50	—37.7				—	1	
22.0	45	—37.2	—0.07			—	2	258
23.0	39	—36.8	—0.04			168	1	
24.0	34	—36.2	—0.06			178	2	
24.7	31	—35.8	—0.06					270

22.7 0122 φ = 78°50′ λ = 191°34′

5/0. Ac, Cc

0.0	019	—1.8.		91	2.9	090	3
0.14	000	—1.4		84	2.9	100	5
0.2	991	—1.0	—0.40	81	2.9	103	4
0.5	955	2.1	—1.03	68	3.1	134	2
0.7	932	2.8	—0.35	67	3.4	127	3

H	B	t	γ	U	q	d	V	W
1.0	900	2.6	0.67	65	3.3	046	1	
1.46	850	1.5		64	3.2	339	1	
1.5	846	1.4	0.24	64	3.2	330	1	
1.95	800	—0.4		62	2.9	333	3	
2.0	795	—0.7	0.42	62	2.9	334	2	
2.5	746	—3.3	0.52	60	2.3	295	2	280
3.0	700	—5.3	0.40	58	2.0		0	
4.0	616	—10.7	0.54	49	1.2	—	1	
4.2	600	—11.4		49	1.2	—	1	
5.0	539	—16.9	0.62	49	0.8	002	3	
5.57	500	—20.0		57	0.7	044	2	278
6.0	471	—22.3	0.54	54	0.6	046	2	
7.0	410	—28.5	0.62	49	0.3	015	2	
7.17	400	—29.6		49	0.3	009	2	
8.0	356	—34.0	0.55	48		351	5	282
9.0	308	—42.5	0.85	46		344	5	
9.17	300	—44.1		46		343	5	
9.7	277	—46.9	0.63	45		356	5	
10.0	266	—46.9	0.00	45		355	5	
11.0	229	—41.8	—0.51	43		340	5	284
11.92	200	—39.6		42		344	7	
12.0	197	—39.4	—0.24	41		343	7	
13.0	170	—39.7	0.03			337	6	236

Продолж. приложения

H	B	t	γ	U	q	d	V	W
14.0	147	—40.7	0.10			330	6	
15.0	128	—40.8	0.01			332	5	
16.0	110	—40.3	—0.05			331	4	236
16.65	100	—40.0				327	4	
17.0	95	—39.7	—0.06			328	3	
18.0	82	—39.0	—0.07			347	4	230
19.0	72	—37.7	—0.13			040	2	
20.0	62	—37.7	0.00				.	
20.8	55	—37.7	0.00					233

22.7 1337 φ = 78°52′ λ = 191°24′

10/10 St, Fs

0.0	018	—0.6		95	3.4	112	3
0.1	004	—1.4	0.80	94	3.2		
0.13	000	—1.4		94	3.2		
0.2	990	—1.4	0.00	94	3.2		
0.37	970	—1.4	0.00	93	3.2		
0.5	953	0.5	—1.46	92	3.9		
0.97	900	3.3	—0.60	82	4.4		
1.0	896	3.3		81	4.4		
1.44	850	3.3		59	3.4		
1.5	844	3.3	0.00	58	3.1		

H	B	t	γ	U	q	d	V	W
1.94	800	2.0		50	2.8			
2.0	793	1.5	0.36	50	2.7			
2.5	745	—1.0	0.50	44	2.1			
3.0	700	—3.2	0.44	41	1.8			356
4.0	615	—7.4	0.42	37	1.2			
4.19	600	—8.3		36	1.1			
5.0	540	—13.0	0.56	35	0.8			
5.59	500	—15.8		32	0.6			
6.0	474	—18.7	0.57	31	0.5			
7.0	415	—25.0	0.63	30	0.3			
7.25	400	—26.8		30	0.2			440
8.0	359	—32.2	0.72	30				
9.0	312	—39.6	0.74	30				
9.29	300	—41.5						
9.54	288	—43.3	0.63					
10.0	269	—43.3	0.00					
10.6	247	—43.3	0.00					
11.0	233	—41.8	—0.38					
12.0	200	—39.4	—0.34					398
13.0	174	—38.3	—0.11					
14.0	150	—38.3	0.00					
15.0	129	—38.3	0.00					344
16.0	112	—37.9	—0.04					

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.8	100	—37.4						
17.0	97	—37.3	—0.06					
18.0	83	—36.8	—0.05					
19.0	73	—36.2	—0.06					347
20.0	62	—35.5	—0.07					
21.0	54	—34.8	—0.07					
21.5	50	—34.5						
22.0	46	—34.2	—0.06					333
23.0	40	—33.6	—0.06					
24.0	36	—33.0	—0.06					
25.0	32	—32.3	—0.07					
26.0	29	—31.6	—0.07					
26.2	28	—31.5	—0.05					318

23.7 0127 φ = 78°52′ λ = 191°18′

10/10 Sc (26)

0.0	016	—0.6		99	3.6	022	2	
0.12	000	—0.6		98	3.6			
0.2	990	—0.5	—0.05	98	3.6			
0.5	954	—0.4	—0.03	94	3.7			
0.7	930	1.1	—0.75	86	3.8			
0.97	900	1.1		70	3.2			

H	B	t	γ	U	q	d	V	W
1.0	896	1.1	0.00	70	3.2			
1.2	874	1.1	0.00	64	3.0			
1.43	850	0.7		60	3.0			
1.5	841	0.5	0.20	59	2.8			
1.9	800	—0.4		55	2.5			
2.0	790	—0.6	0.22	55	2.5			
2.5	742	—2.1	0.30	55	2.4			
2.96	700	—4.2		54	2.1			
3.0	696	—4.5	0.48	54	2.1			315
4.0	613	—10.4	0.59	52	1.4			
4.17	600	—11.4		52	1.2			
5.0	538	—16.5	0.61	50	1.8			
5.55	500	—19.6		50	0.7			
6.0	470	—22.3	0.58	49	0.5			335
7.0	411	—27.4	0.51	48	0.4			
7.2	400	—28.4		47	0.3			
8.0	357	—34.7	0.73	46				
9.0	309	—43.1	0.84	46				
9.2	300	—44.3		46				
10.0	266	—50.4	0.73	45				389
10.28	255	—50.4	0.00	45				
11.0	230	—46.9	—0.49	44				
11.9	200	—44.2		44				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
12.0	197	—44.1	—0.28	44				
13.0	170	—43.8	—0.03	43				
14.0	146	—43.6	—0.02	42				
15.0	126	—43.2	—0.04	42				383
16.0	109	—42.9	—0.03	41				
16.6	100	—42.8		41				
17.0	94	—42.6	—0.03	40				
18.0	80	—41.8	—0.08	39				
19.0	70	—41.2	—0.06	39				408
20.0	60	—40.5	—0.07	39				
21.0	52	—40.0	—0.05	39				
21.3	50	—39.7		39				
22.0	45	—39.2	—0.08	39				
23.0	39	—38.6	—0.06	39				
24.0	34	—38.2	—0.04	39				
25.0	30	—38.2	0.00	39				
26.0	26	—38.2	0.00	39				513

23.7 1336 φ = 78°52′ λ = 191°15′

7/7 Fs

0.0	014	—1.2		95	3.3	022	2	
0.11	000	—2.8	1.45	95	2.9	025	3	

H	B	t	γ	U	q	d	V	W
0.2	988	—2.8		95	2.9	033	3	
0.35	970	—2.8		94	2.9	018	3	
0.5	953	—0.6	—1.47	94	3.6	029	2	
0.68	933	1.4	—1.11	94	4.3	005	4	
0.95	900	1.4		94	4.4	006	4	
1.0	895	1.4	0.00	94	4.4	007	4	
1.3	862	1.4	0.00	93	4.6	007	4	
1.41	850	0.8		89	4.3	007	4	
1.5	841	0.5	0.45	88	4.1	007	4	
1.9	800	—0.9		82	3.6	003	4	
2.0	790	—1.5	0.40	80	3.4	001	4	
2.5	741	—4.0	0.50	75	2.8	360	5	
2.95	700	—6.0		69	2.3	014	7	291
3.0	695	—6.2	0.44	69	2.3	015	7	
3.18	680	—7.0	0.44	66	2.0	020	8	
3.6	643	—7.0	0.00	60	2.0	022	9	
4.0	611	—9.6	0.65	58	1.6	030	11	
4.15	600	—10.7		56	1.5			
5.0	536	—15.6	0.60	51	1.0			274
5.52	500	—18.5		48	0.7			
6.0	469	—22.2	0.66	46	0.5			
7.0	410	—29.0	0.68	43	0.3			
7.17	400	—30.2		43				

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
8.0	354	—35.4	0.54	41				248
9.0	308	—44.2	0.88	39				
9.17	300	—45.2		38				
9.9	269	—50.4	0.62	37				
10.0	264	—50.4	0.00	37				246
10.7	238	—50.4	0.00					
11.0	227	—48.5	—0.63					
11.84	200	—45.8						
12.0	195	—45.5	—0.30					
13.0	168	—44.7	—0.08					241
14.0	144	—43.6	—0.11					
15.0	124	—42.8	—0.08					227
16.0	108	—42.2	—0.06					
16.47	100	—42.0						
17.0	93	—41.4	—0.08					218
18.0	80	—40.5	—0.09					
19.0	70	—39.6	—0.09					213
20.0	60	—39.1	—0.05					
21.0	52	—39.1	0.00					
21.11	51	—39.1	0.00					214

24.7 0140 φ = 78°51′ λ = 191°05′

0/0

H	B	t	γ	U	q	d	V	W
0.0	016	—2.2		93	3.0	360	3	
0.11	000	—2.4		94	2.9	021	4	
0.2	989	—2.6	0.20	95	3.0	019	4	
0.4	963	—2.8	0.10	95	3.0	017	4	
0.5	951	—2.0	—0.80	95	3.2	009	4	
0.95	900	1.6		87	4.1	006	5	
1.0	894	2.0	—0.80	85	4.2	006	5	
1.16	877	3.2	—0.75	80	4.3	004	4	
1.41	850	3.2		73	4.1	011	6	
1.5	841	3.2	0.00	70	3.9	011	6	
1.82	809	3.2	0.00	62	3.6	346	6	
1.91	800	2.6		60	3.4	346	6	
2.0	790	2.0	0.67	58	3.2	341	5	
2.5	742	—0.6	0.52	48	2.4	330	5	
2.96	700	—2.9		44	1.9	332	6	
3.0	696	—3.0	0.48	44	1.9	331	6	330
4.0	613	—7.0	0.40			325	9	
4.17	600	—7.6				328	10	
5.0	538	—11.1	0.41			345	10	
5.57	500	—14.2				345	10	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
6.0	472	—16.9	0.58			348	10	310
7.0	412	—21.9	0.50			001	9	
7.2	400	—23.0				003	10	
8.0	359	—29.7	0.78			009	8	
9.0	311	—37.7	0.80			018	10	
9.25	300	—40.0				020	8	337
10.0	269	—45.8	0.81			009	7	
10.54	248	—51.0	0.96			342	8	
11.0	230	—51.0	0.00			316	9	
11.2	224	—51.0	0.00			316	10	
11.95	200	—46.8				313	12	
12.0	198	—46.6	—0.55			313	12	
13.0	172	—44.3	—0.23			310	10	
14.0	148	—43.9	—0.04			311	9	390
15.0	126	—43.4	—0.05			313	9	
16.0	109	—43.0	—0.04			314	8	
16.56	100	—42.8				314	8	
17.0	94	—42.6	—0.04			315	7	406
18.0	81	—41.5	—0.11			316	7	
19.0	70	—40.3	—0.12			318	5	
20.0	60	—39.2	—0.11			328	5	
21.0	52	—38.6	—0.06			347	6	
21.2	50	—38.5				350	6	

H	B	t	γ	U	q	d	V	W
22.0	45	—38.0	—0.06					438
23.0	39	—37.5	—0.05					
24.0	33	—36.4	—0.11					
25.0	28	—35.8	—0.06					444

24.7 1329 φ = 78°51′ λ = 190°58′

10/10 Sc (46)

H	B	t	γ	U	q	d	V	W
0.0	018	—0.3		90	3.2	022	3	
0.14	000	—1.0		93	3.2	—	—	
0.2	992	—2.2	0.95	94	3.1	024	6	
0.3	980	—3.1	0.90	95	2.9	024	5	
0.5	954	—3.1	0.00	98	3.0			
0.6	943	—3.1	0.00	100	3.2			
0.97	900	1.1	—1.14	100	4.6			
1.0	897	1.1		95	4.4			
1.3	864	1.1	0.00	83	4.0			
1.44	850	0.8		75	3.6			
1.5	843	0.6	0.25	70	3.3			
1.92	800	—0.3		63	2.9			
2.0	792	—0.5	0.22	63	2.9			
2.5	744	—1.3	0.16	57	2.6			
3.0	700	—3.1	0.36	52	2.2			327

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
4.0	615	—6.1	0.30	42	1.5			
4.19	600	—7.2		42	1.5			
5.0	541	—10.7	0.46	40	1.2			
5.59	500	—14.1		39	0.9			
6.0	474	—17.5	0.68	38	0.7			
7.0	415	—23.6	0.61	36	0.4			343
7.26	400	—26.0		35	0.3			
8.0	361	—31.7	0.81	34				
9.0	313	—40.4	0.87	33				
9.29	300	—42.6						
10.0	269	—49.3	0.89					
10.72	241	—53.6	0.60					402
11.0	232	—53.6	0.00					
11.96	200	—47.0						
12.0	198	—46.8	—0.68					
13.0	170	—44.5	—0.23					
14.0	148	—43.8	—0.07					
15.0	127	—43.1	—0.07					397
16.0	110	—42.3	—0.08					
16.6	100	—41.6						
17.0	95	—41.2	—0.11					
18.0	82	—40.2	—0.10					400
19.0	71	—39.4	—0.08					

H	B	t	γ	U	q	d	V	W
20.0	62	—38.4	—0.10					
21.0	54	—37.2	—0.12					
21.5	50	—36.5						
22.0	47	—36.3	—0.09					385
23.0	40	—35.9	—0.04					
24.0	34	—35.5	—0.04					
25.0	30	—35.1	—0.04					
25.6	28	—34.9	—0.03					394

25.7 0129 φ = 78°50′ λ = 190°47′

0/0

0.0	018	—3.0		98	2.8	338	1
0.14	000	—3.2		97	2.9	016	5
0.2	993	—3.3	0.15	96	2.8	011	4
0.38	971	—3.3	0.00	95	2.8	004	6
0.5	955	—1.4	—1.58	90	3.1	011	7
0.6	943	—0.4	—1.00	83	3.2	023	8
0.98	900	—0.4	0.00	81	3.3	025	7
1.38	857	—0.4	0.00	79	3.4	010	7
1.44	850	—0.6		79	3.4	008	7
1.5	844	—0.8	0.33	79	3.3	005	7
1.92	800	—2.0		77	3.1	355	7

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.0	791	—2.4	0.32	76	3.0	352	7	
2.5	743	—3.8	0.28	74	2.7	335	9	
2.97	700	—5.2		67	2.4	352	11	
3.0	698	—5.3	0.30	67	2.3	352	12	364
4.0	614	—7.0	0.17	56	2.0	347	14	
4.19	600	—7.4		55	1.9	345	14	
5.0	541	—10.4	0.34	50	1.5	337	14	
5.59	500	—13.9		47	1.0	331	13	
6.0	474	—15.9	0.55	46	0.9	325	12	
7.0	413	—22.3	0.64	43	0.5	321	12	405
7.23	400	—24.8		42	0.4	320	12	
8.0	359	—31.2	0.89	41		316	13	
9.0	311	—38.8	0.76			310	13	
9.25	300	—41.0				307	13	
10.0	267	—45.5	0.67			299	13	454
11.0	231	—53.9	0.84			293	12	
11.52	224	—55.2	0.25			296	14	
11.93	200	—51.4				301	14	
12.0	198	—51.0	—0.88			300	14	
13.0	171	—46.8	—0.42			304	12	
14.0	147	—45.0	—0.18			310	11	
15.0	125	—44.1	—0.09			304	10	326
16.0	108	—43.4	—0.07			317	6	

H	B	t	γ	U	q	d	V	W
16.53	100	—43.0				315	6	
17.0	93	—42.7	—0.07			313	5	
18.0	80	—40.9	—0.18					
18.2	76	—40.9	0.00					316

25.7 1334 φ = 78°50′ λ = 190°45′

10/10 Sc, Fs

0.0	016	—0.4		92	3.2		0
0.11	000	—1.0		94	3.3	—	—
0.2	989	—1.8	0.70	94	2.7	—	—
0.5	951	—1.8	0.00	94	3.2	018	2
0.94	900	—1.8		94	3.4	011	3
1.0	893	—1.8	0.00	94	3.4	007	4
1.12	884	—1.8	0.00	94	3.5	357	6
1.4	850	—2.7		94	3.5	352	6
1.5	840	—3.2	0.37	94	3.3	350	6
1.89	800	—5.0		94	2.8		
2.0	788	—5.8	0.52	94	2.8		
2.28	768	—7.9	0.75	94	2.4		
2.5	740	—7.9	0.00	94	2.4		
2.94	700	—7.9	0.00	71	2.0		
3.0	694	—8.0		70	2.0		321

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
4.0	610	—11.6	0.35	55	1.4				18.0	80	—38.5	—0.05	41				317
4.14	600	—12.0		53	1.2				19.0	68	—38.5	0.00	41				
5.0	535	—15.0	0.34	52	1.0				20.0	60	—37.6	—0.09	41				
5.51	500	—18.5		51	0.8				21.0	52	—36.5	—0.11					
6.0	467	—22.0	0.70	50	0.5			278	21.2	50	—36.4						333
7.0	407	—29.0	0.70	49	0.3				22.0	44	—35.9	—0.06					
7.13	400	—29.5		49	0.3				23.0	36	—35.4	—0.05					
8.0	353	—37.4	0.84	48				278	24.0	29	—35.0	—0.04					
9.0	305	—44.2	0.68	47					25.0	24	—34.6	—0.04					418
9.11	300	—45.0		47					26.0	22	—34.2	—0.04					
10.02	262	—52.1	0.78	46					27.0	20	—33.8	—0.04					
10.4	247	—52.1	0.00	46					28.0	18	—33.4	—0.04					
11.0	224	—48.2	—0.65	45					28.4	17	—33.3	—0.03					426
11.78	200	—44.7		45													
12.0	194	—44.2	—0.40	45				308	26.7 0134 φ = 78°50′ λ = 190°33′								
13.0	168	—41.8	—0.24	44					10/10 St (16), ❟								
13.34	160	—40.2	—0.47	44													
14.0	144	—40.2	0.00	44				305	0.0	017	0.0		100		—	—	
15.0	124	—40.2	0.00	44					0.11	000	—0.5						
15.5	115	—40.2	0.00	43					0.2	988	—0.8	0.40					
16.0	107	—39.8	—0.08	42					0.5	951	—2.0	0.40					
16.5	100	—39.4		42					0.95	900	—3.0						
17.0	93	—39.0	—0.08	42					1.0	894	—3.1	0.22					

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
1.41	850	—3.7							13.0	169	—38.3	0.00					255
1.5	841	—3.8	0.14						14.0	147	—38.3	0.00					
1.89	800	—4.7							15.0	127	—38.3	0.00					
2.0	788	—5.0	0.24						16.0	110	—38.3	0.00					257
2.5	739	—6.0	0.20						16.63	100	—38.3						
2.93	700	—7.0							17.0	95	—38.3	0.00					257
3.0	693	—7.4	0.28					328									
4.0	609	—12.1	0.47						26.7 1332 φ = 78°51′ λ = 190°28′								
4.11	600	—12.6							5/5 Fs								
5.0	534	—17.2	0.51					268									
5.5	500	—19.3							0.0	018	0.0		100	3.7	360	3	
6.0	468	—21.5	0.43						0.12	000	—0.5		99	3.7	—	—	
7.0	408	—26.5	0.50						0.22	988	—1.9	0.86	99	3.3	—	—	
7.13	400	—27.3							0.5	953	—1.9	0.00	99	3.4	004	6	
8.0	354	—32.0	0.55					250	0.9	907	—1.9	0.00	96	3.4	026	8	
9.0	306	—39.2	0.72						0.97	900	—2.3		95	3.3	027	8	
9.15	300	—40.0							1.0	895	—2.4	0.50	95	3.3	027	8	
9.85	271	—44.0	0.56						1.43	850	—3.7		91	3.1	030	9	
10.0	265	—44.0	0.00						1.5	842	—4.0	0.32	90	3.0	031	9	
10.54	244	—44.0	0.00					250	1.91	800	—6.2		86	2.5	052	10	
11.0	228	—41.3	—0.59						2.0	790	—6.7	0.54	85	2.4			
11.88	200	—38.3	—0.34						2.5	741	—9.9	0.64	81	1.8			
12.0	196	—38.3	0.00						2.95	700	—12.0		78	1.5			

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
3.0	695	—12.3	0.48	78	1.5			348	20.0	60	—38.5	—0.05					
4.0	609	—18.4	0.61	74	0.9				20.73	54	—38.2	—0.04					380
4.11	600	—18.6		73	0.9												
5.0	531	—23.0	0.46	70	0.6				27.7 0122 φ = 78°50′ λ = 190°20′								
5.43	500	—25.9		68	0.5				10/10 St (9)								
6.0	461	—29.5	0.65	59	0.4												
7.0	402	—36.8	0.73						0.0	019	—0.0		100	3.7	360	4	
7.03	400	—37.0						377	0.15	000	—0.3		99	3.7			
7.55	370	—41.0	0.76						0.2	992	—0.6	0.30	98	3.6			
8.0	346	—41.0	0.00						0.5	957	—0.6	0.00	96	3.6			
9.0	300	—41.0	0.00						1.0	900	—0.6	0.00	92	3.8			
10.0	259	—39.8	—0.12						1.1	889	—0.6	0.00	91	3.7			
11.0	224	—38.2	—0.16						1.45	850	—1.6		86	3.4			
11.8	200	—38.3						396	1.5	845	—1.8	0.30	85	3.2			
12.0	194	—38.4	0.02						1.93	800	—4.3		80	2.6			
13.0	168	—38.8	0.04						2.0	792	—4.9	0.62	80	2.6			
14.0	144	—39.3	0.05					371	2.5	743	—10.2	1.06	80	1.7			
15.0	124	—39.6	0.03						2.64	730	—11.3	0.79	80	1.6			
16.0	107	—39.6	0.00						2.97	700	—11.3		80	1.6			
16.45	100	—39.6							3.0	697	—11.3	0.00	80	1.6			320
17.0	92	—39.6	0.09						3.14	685	—11.3	0.00	78	1.6			
18.0	80	—39.4	—0.02					376	4.0	611	—15.9	0.54	69	1.1			
19.0	70	—39.0	—0.04						4.14	600	—16.8		67	0.9			

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
5.0	535	—21.6	0.57	63	0.6				21.45	50	—35.9						
5.49	500	—24.2		60	0.5				22.0	46	—35.7	—0.04					284
6.0	465	—27.2	0.56	57	0.4			328	23.0	40	—35.2	—0.05					
7.0	405	—35.1	0.79	56					24.0	35	—34.9	—0.03					
7.09	400	—35.6		56					25.0	30	—34.4	—0.05					286
8.0	350	—42.4	0.73	55													
8.67	317	—42.4	0.00	54					27.7 1332 φ = 78°48′ λ = 190°11′								
9.0	304	—41.7	—0.21	53				314	10/9 Fs (47), Ci, ⧋								
9.07	300	—41.6		53													
10.0	261	—39.4	—0.23	52					0.0	019	0.2		93	3.4	338	3	
11.0	225	—37.5	—0.19	50					0.15	000	—0.3		92	3.4	350	5	
11.21	200	—37.5		49					0.2	993	—0.9	0.55	91	3.3	352	6	
12.0	195	—37.5	0.00	49				278	0.45	962	—3.1	0.88	90	2.8			
13.0	169	—37.5	0.00	48					0.5	956	—3.1		89	2.8			
14.0	146	—37.5	0.00	46					0.62	942	—3.1	0.00	88	2.8			
15.0	125	—37.5	0.00	45					0.81	920	—1.7	—0.74	87	3.2			
16.0	109	—37.5	0.00	44					1.0	900	—1.7	0.00	82	3.0			
16.6	100	—37.5		44					1.45	850	—1.7		75	3.0			
17.0	95	—37.5	0.00	43				277	1.5	845	—1.7	0.00	63	2.5			
18.0	82	—37.2	—0.03	42					1.77	816	—1.7	0.00	52	2.1			
19.0	72	—36.8	—0.04	41					1.93	800	—3.0		50	1.8			
20.0	62	—36.4	—0.04	40				284	2.0	792	—3.2	0.65	50	1.9			
21.0	54	—36.1	—0.03						2.5	743	—7.7	0.90	50	1.4			

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.96	700	—11.2		50	1.0				16.65	100	—37.0						245
3.0	695	—11.4	0.74	50	1.0			310	17.0	95	—36.7	—0.07					
3.44	657	—15.3	0.89	50	0.7				18.0	82	—35.9	—0.08					
4.0	611	—16.6	0.23	50	0.7				19.0	71	—35.8	—0.01					247
4.13	600	—16.7	0.08	49	0.7				20.0	62	—34.8	—0.10					
5.0	533	—21.8	0.59	48	0.5				21.0	53	—33.8	—0.10					252
5.46	500	—24.6		47	0.4												
6.0	463	—28.4	0.66	46	0.3			313	28.7 0121 φ = 78°46′ λ = 190°05′								
7.0	403	—34.6	0.62	44					10/10 Sc (12), Ξ •								
7.05	400	—34.8		44													
8.0	350	—40.3	0.57	43					0.0	019	—2.0		98	3.1	338	4	
9.0	303	—45.3	0.50	41					0.08	008	—2.7	0.88	97	3.0			
9.06	300	—45.6		40				292	0.15	000	—2.7		96	3.0			
9.18	295	—46.1	0.44	40					0.2	993	—2.7	0.00	95	3.0			
9.5	281	—46.1	0.00	40					0.3	981	—2.7	0.00	94	3.0			
10.0	260	—43.8	—0.46	39					0.5	957	—1.3	—0.70	91	3.3			
11.0	224	—39.7	—0.41	38					0.99	906	—1.3	0.00	82	3.1			
11.76	200	—38.8		37				258	1.24	872	—1.3	0.00	74	2.9			
12.0	193	—38.8	—0.09	37					1.44	850	—2.2		72	2.7			
13.0	167	—38.5	—0.03	36					1.5	843	—2.4	0.42	71	2.6			
14.0	145	—38.2	—0.03	35				250	1.91	800	—5.0		67	2.1			
15.0	125	—37.8	—0.04						2.0	790	—5.5	0.62	66	2.0			
16.0	109	—37.4	—0.04						2.5	734	—8.1	0.52	60	1.6			

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.95	700	—10.0		56	1.3				17.0	92	—39.0	—0.06					200
3.0	695	—10.1	0.40	55	1.3			310	18.0	80	—38.6	—0.04					
4.0	611	—14.3	0.42	54	1.0				19.0	69	—38.2	—0.04					
4.14	600	—15.0		54	0.9				20.0	60	—37.7	—0.05					220
5.0	535	—20.5	0.62	54	0.6				21.0	51	—37.6	—0.01					
5.48	500	—23.6		54	0.5				21.15	50	—37.6						
6.0	465	—26.1	0.56	54	0.4			300	21.5	47	—37.6	0.00					223
7.0	405	—33.3	0.72	54													
7.09	400	—34.0		54													
8.0	351	—40.9	0.76	53					28.7 1340 φ = 78°45′ λ = 190°04′								
8.9	308	—46.6	0.63	49				263	10/10 St (14)								
9.0	304	—46.6	0.00	48					0.0	018	0.2		96	3.5	338	5	
9.03	300	—46.6		48					0.15	000	—0.5		96	3.5			
10.0	260	—46.6	0.00	46					0.2	993	—0.9	0.55	95	3.4			
10.2	252	—46.6	0.00						0.42	967	—2.5	0.73	94	2.8			
11.0	224	—42.6	—0.50					204	0.5	957	—2.5		94	2.9			
11.74	200	—41.3							0.6	945	—2.5	0.00	93	3.1			
12.0	192	—41.0	—0.16						0.8	921	—1.1	—0.70	91	3.5			
13.0	166	—40.6	—0.04					210	0.99	900	—1.1	0.00	90	3.5			
14.0	143	—40.6	0.00						1.43	850	—1.1		83	3.4			
15.0	122	—40.2	—0.04					200	1.5	844	—1.1	0.00	81	3.4			
16.0	106	—39.6	—0.06						1.91	800	—3.6		76	2.8			
16.49	100	—39.4							2.0	790	—4.2	0.62	75	2.6			
									2.5	743	—8.3	0.82	71	1.8			

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.84	711	—6.8	—0.44	68	2.0			
2.96	700	—7.1		66	2.0			
3.0	695	—7.3	0.31	66	1.9			308
4.0	611	—10.9	0.36	56	1.4			
4.14	600	—11.7		55	1.3			
5.0	535	—17.0	0.61	52	0.8			
5.51	500	—20.2		51	0.7			
6.0	469	—22.7	0.57	50	0.5			342
7.0	408	—29.3	0.66	47	0.3			
7.14	400	—30.2		46				
8.0	353	—35.3	0.60	45				
9.0	306	—44.3	0.90	45				370
9.13	300	—45.3		45				
10.0	263	—50.0	0.57	45				
10.3	251	—50.8	0.27	44				
11.0	226	—46.7	—0.59	44				
11.8	200	—42.3		43				
12.0	194	—41.5	—0.52	43				
13.0	168	—40.2	—0.13	43				335
14.0	144	—39.4	—0.08	42				
15.0	124	—38.7	—0.07	42				
16.0	108	—38.2	—0.05	41				
16.5	100	—37.8		41				337
17.0	93	—37.4	—0.08	40				
18.0	80	—36.5	—0.09	40				
19.0	70	—35.8	—0.07	39				
20.0	59	—35.4	—0.04	38				380
21.0	50	—34.9	—0.05	38				
22.0	43	—34.7	—0.02	37				
23.0	37	—34.7	0.00	37				
24.0	32	—34.2	—0.05					
25.0	28	—33.7	—0.05					
26.0	25	—33.3	—0.04					
26.1	24	—33.2	—0.10					443

29.7 0121 φ = 78°44′ λ = 190°03′

10/10 ☰ (6), ❟

0.0	020	—0.4		100		338	3	
0.15	000	—1.5						
0.2	994	—1.8	0.70					
0.35	975	—2.7	0.60					
0.5	957	—2.7	0.00					
1.0	900	—2.7	0.00					
1.41	854	—2.7	0.00					
1.45	850	—2.9						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.5	844	—3.0						
1.93	800	—5.3						
2.0	792	—5.9	0.54					
2.5	743	—5.9	0.00					
2.8	716	—5.9	0.00					
2.97	700	—6.6						
3.0	697	—6.8	0.45					371
4.0	611	—11.8	0.50					
4.13	600	—12.5						
5.0	536	—17.9	0.61					
5.53	500	—21.6						
6.0	469	—25.4	0.75					
7.0	407	—33.2	0.78					
7.12	400	—34.0						353
8.0	352	—39.8	0.66					
9.0	304	—47.1	0.73					
9.09	300	—47.6						
10.0	261	—52.3	0.52					337
11.0	224	—45.0	—0.73					
11.77	200	—42.3						
12.0	193	—42.1	—0.29					
13.0	167	—41.7	—0.04					297
14.0	144	—41.1	—0.06					
15.0	124	—40.6	—0.05					
16.0	107	—39.3	—0.13					282
16.46	100	—38.8						
17.0	92	—38.4	—0.09					
18.0	80	—38.0	—0.04					
19.0	70	—37.5	—0.05					
19.3	65	—37.3	—0.07					255

29.7 1326 φ = 78°43′ λ = 190°00′

10/10 Sc (68)

0.0	019	0.4		92	3.6	292	3	
0.14	000	—0.3		92	3.4	288	5	
0.2	993	—0.7	0.55	92	3.4	288	5	
0.5	956	—2.6	0.63	91	3.0	293	5	
0.98	900	—5.0	0.50	89	2.5			
1.34	860	—2.1	—0.81	88	3.3			
1.44	850	—2.3		87	3.2			
1.5	843	—2.4	0.19	87	3.2			
1.92	800	—2.8		83	3.1			
2.0	791	—2.9	0.10	81	3.1			
2.5	741	—3.9	0.20	74	2.7			
2.95	700	—5.3		70	2.4			

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.0	696	—5.4	0.30	70	2.4			316
4.0	613	—10.0	0.46	58	1.6			
4.17	600	—10.8		57	1.4			
5.0	539	—16.3	0.63	53	0.9			
5.55	500	—16.2		52	0.7			
6.0	471	—22.6	0.63	51	0.6			319
7.0	410	—29.2	0.66	49	0.3			
7.2	400	—30.5		49				
8.0	355	—37.2	0.80	47				
9.0	308	—44.4	0.72	45				
9.17	300	—46.3		45				331
9.9	268	—50.5	0.68	44				
10.0	265	—50.5	0.00	44				
10.6	242	—50.5	0.00					
11.0	228	—47.5	—0.75					
11.87	200	—42.2						
12.0	196	—41.9	—0.56					265
13.0	168	—40.4	—0.15					
14.0	146	—39.3	—0.11					232
15.0	127	—38.6	—0.07					
16.0	110	—37.8	—0.08					
16.6	100	—37.0						
17.0	95	—36.5	—0.13					227

H	B	t	γ	U	q	d	V	W
18.0	82	—35.4	—0.11					
19.0	72	—34.6	—0.08					216
20.0	62	—33.8	—0.08					
21.0	54	—33.2	—0.06					182
21.4	50	—32.8						
22.0	46	—32.3	—0.09					
23.0	41	—30.7	—0.16					
23.25	40	—29.7	—0.40					185

30.7 0141 φ = 78°43′ λ = 190°01′

10/10 Sc (79)

0.0	020	0.0		96	3.5	248	1
0.14	000	—0.6		95	3.5	—	—
0.2	992	—1.0	0.50	93	3.4	261	5
0.5	955	—3.0	0.67	89	2.8	263	4
0.8	920	—5.2	0.73	89	2.4		
0.98	900	—3.7	—0.83	89	2.8		
1.44	850	—2.6		79	2.9		
1.5	844	—2.5	—0.23	78	2.8		
1.93	800	—3.2		65	2.4		
2.0	793	—3.3	0.16	63	2.3		
2.5	744	—4.3	0.20	46	1.6		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.98	700	—6.0	0.35	36	1.2			
4.0	614	—12.0	0.59	31	0.7			364
4.19	600	—12.5		30	0.7			
5.0	538	—17.8	0.58	27	0.4			
5.55	500	—21.0		27	0.3			
6.0	470	—23.7	0.59	26	0.3			
7.0	408	—31.2	0.75	25				
7.15	400	—32.6		24				400
8.0	353	—38.6	0.74	23				
9.0	305	—45.9	0.73	23				
9.13	300	—46.7		23				
9.84	270	—52.1	0.74	23				
10.0	263	—52.1	0.00	23				
10.2	256	—52.1	0.00	23				391
11.0	225	—47.4	—0.59	23				
11.8	200	—43.6		23				
12.0	194	—43.5	—0.39	23				
13.0	168	—42.8	—0.07	23				
14.0	144	—42.0	—0.08	23				
15.0	124	—41.2	—0.08	23				340
16.0	107	—39.5	—0.07					
16.5	100	—39.5						
17.0	93	—39.5	0.00					

H	B	t	γ	U	q	d	V	W
18.0	80	—38.0	—0.15					316
19.0	70	—37.0	—0.10					
20.0	60	—36.7	—0.03					
21.0	52	—36.7	0.00					297
21.3	50	—36.7						
22.0	46	—36.7	0.00					
23.0	40	—36.7	0.00					297

30.7 1311 φ = 78°43′ λ = 190°01′

10/10 Sc (48)

0.0	021	—0.8		97	3.4	270	3
0.17	000	—2.0		98	3.1	268	4
0.2	995	—2.2	0.70	98	3.1	265	4
0.5	959	—5.3	1.03	100	2.5		
0.7	935	—5.3	0.00	100	2.6		
1.01	900	—0.5	—1.55	97	4.0		
1.47	850	—0.5		84	3.6		
1.5	847	—0.5	0.00	83	3.6		
1.95	800	—1.8		68	2.7		
2.0	794	—2.0	0.30	67	2.7		
2.5	745	—3.5	0.30	61	2.4		
3.0	700	—6.6	0.62	57	1.8			310

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Продолж. приложения

H	B	t	τ	U	q	d	V	W
4.0	615	—12.3	0.57	48.	1.0			
4.19	600	—13.0						
5.0	538	—17.3	0.50					
5.53	500	—21.8						267
6.0	469	—25.6	0.83					
7.0	408	—32.6	0.70					
7.13	400	—33.7						
8.0	354	—40.3	0.77					228
9.0	305	—49.0	0.87					
9.11	300	—49.4						
9.5	282	—51.7	0.54					
10.0	262	—51.7	0.00					222
10.24	252	—51.7	0.00					
11.0	224	—46.7	—0.66					
11.76	200	—44.2						
12.0	193	—43.7	—0.30					
12.4	182	—42.8	—0.23					217

31.7 0130 φ = 78°43′ λ = 190°04′

10/10 Sc (36)

	024	—2.6		89	2.7	270	2	
0.0	000	—3.2	0.32	91	2.7			
0.19								

H	B	t	τ	U	q	d	V	W
0.4	973	—5.0	0.86	93	2.4			
0.5	961	—5.0		94	2.4			
0.54	956	—5.0	0.00	94	2.4			
0.72	935	—0.2	—2.67	90	3.6			
1.0	903	—0.2	0.00	83	3.4			
1.03	900	—0.2		82	3.4			
1.49	850	—0.2	0.00	69	3.1			
1.7	828	—0.2	0.00	66	3.0			
1.97	800	—1.7		65	2.7			
2.0	797	—1.8	0.53	64	2.6			
2.5	748	—3.7	0.38	55	2.0			
3.0	702	—5.9	0.44	53	1.7			307
3.03	700	—6.0		53	1.7			
4.0	618	—11.7	0.58	48	1.1			
4.23	600	—12.6		47	1.0			
5.0	541	—16.4	0.47	46	0.8			
5.6	500	—19.1						
6.0	473	—23.3	0.69					290
7.0	412	—29.5	0.62					
7.2	400	—30.9						
8.0	358	—37.5	0.80					250
9.0	309	—44.2	0.67					
9.21	300	—45.5						

Продолж. приложения

H	B	t	τ	U	q	d	V	W
10.0	266	—50.6	0.64					
10.1	262	—50.7	0.10					
10.8	235	—50.7	0.00					
11.0	228	—49.5	—0.60					263
11.85	200	—44.7						
12.0	195	—44.3	—0.52					
13.0	169	—42.8	—0.15					
14.0	146	—41.9	—0.09					255
15.0	126	—41.3	—0.06					
16.0	108	—40.8	—0.05					240
16.6	100	—40.5						
17.0	94	—40.0	—0.08					
18.0	81	—38.9	—0.11					
19.0	70	—38.2	—0.07					258
20.0	60	—37.6	—0.06					
21.0	52	—37.1	—0.05					
21.3	50	—37.1						
22.0	45	—37.1	0.00					250

31.7 1325 φ = 78°44′ λ = 190°08′

10 10 Sc (44), ≐°

0.0	027	—1.8		87	2.7	202	2	
0.2	000	—3.4	0.80	91	2.6	251	1	

H	B	t	τ	U	q	d	V	W
0.5	963	—5.6	0.73	91	2.3	186	1	
0.8	928	0.0	—1.87	86	3.5	124	2	
1.0	905	0.0	0.00	83	3.5	102	2	
1.05	900	0.0		83	3.5	103	2	
1.3	871	0.0	0.00	80	3.4	106	2	
1.5	850	—0.6	0.30	73	3.1	106	3	
1.98	800	—2.2	0.33	68	2.7	099	2	
2.5	748	—4.0	0.35	65	2.4			
3.01	700	—7.2	0.63	63	1.9			268
4.0	617	—11.9	0.47	60	1.3			
4.2	600	—13.0		59	1.2			
5.0	540	—16.7	0.48	57	1.0			
5.6	500	—21.6		56	0.6			257
6.0	472	—24.4	0.77	55				
7.0	410	—31.2	0.68	53				
7.21	400	—32.4		53				250
8.0	357	—38.3	0.71	51				
9.0	307	—45.8	0.75	50				
9.19	300	—47.1		50				
10.0	265	—52.0	0.62					
10.23	256	—53.7	0.74					250
10.61	242	—53.7	0.00					
11.0	228	—51.4	—0.52					

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H	B	t	τ	U	q	d	V	W
11.85	200	—47.0						
12.0	195	—46.5	—0.49					240
13.0	168	—44.5	—0.20					
14.0	146	—43.7	—0.08					
15.0	125	—42.8	—0.09					240
16.0	107	—41.7	—0.11					
16.52	100	—41.2						
17.0	93	—40.8	—0.09					
18.0	80	—40.1	—0.07					
19.0	70	—39.4	—0.07					
20.0	60	—37.9	—0.15					270
21.0	51	—37.0	—0.09					
21.12	50	—36.9						270
22.0	44	—36.5	—0.05					
23.0	38	—36.5	0.00					
24.0	33	—36.5	0.00					272
24.73	29	—36.5	0.00					67

1.8 0156 φ = 78°45′ λ = 190°10′

10/10 St (36), △°

0.0	029	—2.4		87	2.6	225	2	
0.2	004	—2.3	—0.05	91	2.8			
0.23	000	—2.3		90	2.8			

H	B	t	τ	U	q	d	V	W
0.5	967	—2.0	—0.10	84	2.8			
0.75	938	—1.8	—0.08	78	2.6			
0.89	922	—0.3	—1.07	67	2.7			
1.0	909	—0.3	0.00	65	2.6			
1.08	900	—0.3		63	2.6			
1.35	870	—0.3	0.00	60	2.5			
1.5	853	—0.6	0.20	55	2.4			
1.53	850	—0.7		54	2.3			
2.0	800	—1.6	0.20	48	2.0			
2.5	751	—3.0	0.28	45	1.8			289
3.0	705	—5.4	0.48	39	1.3			
3.05	700	—5.7		38	1.3			
4.0	620	—10.6	0.52	32	0.8			
4.25	600	—11.8		30	0.7			
5.0	544	—17.4	0.68	30	0.4			
5.63	500	—20.7		30	0.3			302
6.0	475	—23.0	0.56	30	0.3			
7.0	414	—30.4	0.74	30				
7.24	400	—31.6		30				
8.0	359	—37.6	0.72					
9.0	310	—44.7	0.71					320
9.2	300	—46.2						
10.0	265	—51.5	0.68					

H	B	t	τ	U	q	d	V	W
10.44	248	—55.1	0.82					
10.8	235	—55.1	0.00					
11.0	228	—53.5	—0.80					
11.87	200	—48.0						
12.0	196	—47.6	—0.59					316
13.0	168	—44.0	—0.36					
14.0	145	—43.0	—0.10					
15.0	125	—43.0	0.00					313
16.0	107	—41.9	—0.11					
16.53	100	—41.2						
17.0	92	—40.7	—0.12					
18.0	80	—39.6	—0.11					
19.0	69	—38.5	—0.11					
19.9	61	—38.5	0.00					323

1.8 1341 φ = 78°46′ λ = 190°10′

10/10 Sc

0.0	029	—1.0		97	3.3	135	3	
0.21	000	—2.0	0.48	93	3.0	152	6	
0.5	964	—3.7	0.59	87	2.5	146	3	
0.9	918	0.4	—1.03	81	3.5	192	2	
1.0	907	0.4	0.00	80	3.4	193	3	

H	B	t	τ	U	q	d	V	W
1.06	900	0.4		79	3.5	193	3	
1.52	850	0.4	0.00	72	3.4			
1.8	820	0.4	0.00	66	3.2			
2.0	800	—0.2	0.30	62	3.0			
2.5	750	—2.0	0.36	54	2.3			
3.0	705	—3.5	0.30	49	2.0			312
3.05	700	—3.7		49	2.0			
4.0	620	—9.9	0.64	50	1.3			
4.25	600	—11.3		52	1.2			
5.0	544	—15.9	0.60	56	1.0			
5.63	500	—19.1		56	0.8			
6.0	476	—20.6	0.47	56	0.7			312
7.0	415	—26.5	0.59	54	0.4			
7.27	400	—28.0		54	0.4			
8.0	360	—33.5	0.70	53				
9.0	312	—42.2	0.87	51				
9.26	300	—44.2		50				329
10.0	268	—49.1	0.69	49				
10.7	241	—53.0	0.56					
11.0	229	—53.0	0.00					
11.92	200	—44.9						
12.0	197	—44.6	—0.84					302
13.0	171	—42.3	—0.23					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
14.0	147	—41.4	—0.09					
15.0	127	—40.0	—0.14					285
16.0	110	—39.0	—0.10					
16.62	100	—38.5						
17.0	95	—38.2	—0.08					
18.0	82	—37.5	—0.07					260
19.0	71	—36.4	—0.11					
20.0	61	—35.5	—0.09					259
21.0	54	—34.6	—0.09					
21.4	50	—34.3						
22.0	46	—33.8	—0.08					
22.3	44	—33.6	—0.07					259

2.8 0133 φ = 78°50′ λ = 190°02′

10/10 St (10)

0.0	026	—1.2		92	3.1	112	5	
0.2	000	—1.5	0.15	90	3.1			
0.5	•965	0.7	—0.73	89	3.6			
0.75	935	1.8	—0.44	87	4.1			
1.0	905	1.8	0.00	83	4.0			
1.05	900	1.7		81	3.8			
1.5	850	1.1	0.14	70	3.4			

H	B	t	γ	U	q	d	V	W
1.99	800	0.5	0.12	65	3.2			
2.5	750	—0.8	0.25	63	3.0			
3.0	704	—3.6	0.56	63	2.6			331
3.05	700	—3.9		63	2.5			
4.0	619	(—8.8)	0.52	70	2.0			
4.24	600	—9.7		68	2.0			
5.0	544	—13.7	0.49	62	1.4			
5.64	500	—15.7		61	1.2			
6.0	476	—21.2	0.75	60	0.7			
7.0	415	—28.2	0.70	58	0.4			332
7.27	400	—29.4		57	0.3			
8.0	360	—33.6	0.54	55				
9.0	312	—40.5	0.69	54				
9.27	300	—42.5		54				378
10.0	269	—47.5	0.70	54				
10.5	249	—50.7	0.64	54				
11.0	230	—50.7	0.00	54				
11.25	222	—50.7	0.00	54				
11.92	200	—46.4						
12.0	198	—46.1	—0.61					303
13.0	170	—43.6	—0.25					
14.0	147	—42.5	—0.11					•
15.0	126	—42.0	—0.05					268

Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.0	109	—41.4	—0.06					
16.6	100	—41.0	,					
17.0	94	—40.7	—0.07					216
18.0	82	—39.8	—0.09					
19.0	71	—39.2	—0.06					215
20.0	61	—39.2	0.00					
21.0	53	—39.2	0.00					
21.4	50	—39.2						
22.0	46	—39.2	0.00					209

2.8 1321 φ = 78°52′ λ = 190°00′

5/0 Cc, Ci, Cs

0.0	022	0.6		92	3.6	135	5	
0.17	000	0.9		91	3.7	150	10	
0.2	996	1.0	—0.20	91	3.7	153	11	
0.5	959	2.6	—0.53	91	4.4	164	12	
0.9	913	2.6	0.00	75	3.7	167	13	
1.02	900	2.3	0.25	74	3.8	165	13	
1.5	850	0.8	0.31	66	3.2	165	14	
1.98	800	—1.2	0.42	56	2.5	164	15	
2.5	749	—2.5	0.25	54	2.2	169	14	
3.02	700	—4.8	0.44	50	1.8	170	14	312

H	B	t	γ	U	q	d	V	W
4.0	616	—10.5	0.58	46	1.2	172	15	
4.2	600	—11.7		45	1.1	172	15	
5.0	540	—17.5	0.70	42	0.6	181	12	
5.57	500	—21.3		42	0.5	183	10	
6.0	471	—23.8	0.63	41	0.4	185	10	377
7.0	411	—31.2	0.74	41				
7.2	400	—32.7		41				
8.0	356	—38.3	0.71	40				
9.0	306	—45.3	0.70	39				
9.15	300	—46.6		39				
10.0	265	—52.0	0.67	39				368
10.25	255	—52.0	0.00	39				
11.0	227	—48.3	—0.49	38				
11.9	200	—43.8		37				
12.0	196	—43.6	—0.47	37				
13.0	168	—42.2	—0.14	36				306
14.0	145	—41.4	—0.08	35				
15.0	125	—40.8	—0.06	34				
16.0	108	—39.8	—0.10	34				272
16.5	100	—39.4		34				
17.0	93	—39.0	—0.08	34				
18.0	81	—38.0	—0.10	34				
19.0	69	—37.0	—0.10					262

Продолж. приложения

H	B	t	γ	U	q	d	V	W
		3,8 0120 φ = 78°54′ λ = 190°03′						
		10/10 St (8)						
0.0	020	—0.2		98	3.6	158	8	
0.16	000	—0.5		99	3.7			
0.2	995	—0.6	0.20	99	3.7			
0.36	975	3.5	—2.56	100	5.0			
0.5	958	3.5	0.00	90	4.6			
1.0	900	3.5	0.00	69	3.7			
1.47	850	1.2		61	2.9			
1.5	847	1.0	0.50	61	2.9			
1.95	800	—1.3		70	2.9			
2.0	794	—1.4	0.48	70	3.0			
2.5	746	—3.9	0.50	70	2.6			
3.0	700	—6.6	0.54	70	2.2			325
4.0	615	—11.4	0.48	54	1.2			
4.2	600	—12.4		53	1.2			
5.0	540	—18.3	0.69	50	0.7			
5.57	500	—20.7		48	0.6			
6.0	471	—23.3	0.50	46	0.5			330
7.0	412	—29.9	0.66	45	0.3			
7.2	400	—31.4						
8.0	355	—38.5	0.86					
9.0	307	—47.7	0.92					
9.16	300	—49.0						
9.75	274	—53.2	0.73					292
10.0	264	—53.2	0.00					
10.36	250	—53.2	0.00					
11.0	226	—47.5	—0.89					
11.82	200	—44.2						
12.0	194	—44.1	—0.34					253
13.0	168	—43.4	—0.07					
14.0	144	—42.7	—0.07					260
15.0	124	—42.0	—0.07					
16.0	108	—41.4	—0.06					
16.5	100	—40.8						
17.0	93	—40.3	—0.11					
18.0	80	—39.8	—0.05					
18.45	75	—39.8	0.00					280
		3.8 1335 φ = 78°59′ λ = 190°05′						
		10/10 St (8)						
0.0	017	0.4		94	3.7	158	9	
0.08	007	0.1	0.38	93	3.5			
0.14	000	0.1		93	3.5			
0.2	992	0.1		92	3.6			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.27	984	0.1	0.00	90	3.5			
0.5	957	4.4	—1.87	88	4.8			
0.84	917	4.4	0.00	83	4.7			
0.99	900	3.7	0.47	82	4.6			
1.45	850	1.3		77	3.8			
1.5	845	1.0	0.53	76	3.6			
1.65	829	0.1	0.60	74	3.4			
1.93	800	—0.6		74	3.4			
2.0	793	—0.7	0.23	74	3.4			
2.21	755	—1.3	0.29	74	3.3			
2.5	745	—2.5	0.41	74	3.0			
2.99	700	—5.3	0.57	74	2.6			289
4.0	614	—13.2	0.78	76	1.6			
4.18	600	—14.1	0.50	79	1.5			
4.5	576	—14.7	0.19	84	1.6			
4.8	554	—15.5	0.27	82	1.5			
5.0	539	—16.4	0.45	80	1.4			
5.56	500	—20.5		76	0.9			
6.0	471	—24.2	0.78	72	0.6			332
7.0	411	—31.0	0.68	64				
7.18	400	—32.0		64				
8.0	355	—37.3	0.63					
9.0	307	—43.7	0.64					290
9.15	300	—44.5						
10.0	264	—47.9	0.42					
10.13	259	—48.3	0.31					
10.65	240	—48.3	0.00					239
11.0	228	—47.1	—0.34					
11.88	200	—44.0						
12.0	196	—43.8	—0.33					
13.0	169	—42.4	—0.14					245
14.0	146	—41.8	—0.06					
15.0	125	—41.3	—0.05					
16.0	108	—40.8	—0.05					
16.58	100	—40.4						
17.0	94	—40.1	—0.07					
18.0	81	—39.4	—0.07					254
19.0	71	—38.9	—0.05					
20.0	61	—38.3	—0.06					
21.0	53	—37.5	—0.08					286
21.45	50	—37.2						
22.0	46	—36.8	—0.07					
23.0	39	—36.8	0.00					313
24.0	32	—36.8	0.00					
24.94	28	—36.8	0.00					309

Продолж. приложения

H	B	t	γ	U	q	d	V	W
4.8 0125 φ = 79°00′ λ = 190°06′								
10/10 St (4)								
0.0	015	0.0		98	3.7	158	7	
0.11	000	—0.5	0.45	96	3.5			
0.2	989	—0.5		94	3.5			
0.26	982	—0.5	0.00	93	3.4			
0.5	953	4.6		88	4.8			
0.56	946	5.2	—1.90	88	5.0			
0.91	906	5.2	0.00	81	4.9			
0.96	900	4.8		80	4.9			
1.0	896	4.5		80	4.7			
1.42	850	2.3		76	4.1			
1.5	841	1.5	0.63	75	3.8			
1.9	800	—0.6		71	3.3			
2.0	789	—1.2	0.54	71	3.2			
2.5	742	—3.1	0.38	49	2.0			
2.96	700	—4.7		41	1.6			
3.0	697	—4.8	0.34	41	1.5			324
3.5	655	—7.1	0.46	37	1.2			
4.0	613	—10.3	0.64	39	1.0			
4.17	600	—11.3		42	1.0			
5.0	539	—17.3	0.70	51	0.8			
5.15	528	—18.1	0.53	51	0.8			
5.55	500	—19.1		51	0.7			
5.8	483	—19.6	0.23	51	0.7			
6.0	470	—20.6	0.50	51	0.7			321
7.0	410	—26.5	0.59					
7.19	400	—27.1						
8.0	357	—31.0	0.45					
9.0	310	—37.8	0.68					
9.24	300	—39.5						
10.0	267	—47.1	0.93					322
11.0	230	—54.0	0.69					
11.32	219	—54.0	0.00					
11.91	200	—49.6						
12.0	197	—49.1	—0.72					
13.0	169	—45.0	—0.41					307
14.0	146	—43.9	—0.11					
15.0	125	—42.8	—0.11					
16.0	108	—42.1	—0.07					300
16.59	100	—41.6						
17.0	94	—41.4	—0.07					
18.0	83	—40.8	—0.06					266
19.0	72	—40.1	—0.07					
20.0	62	—39.4	—0.07					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
21.0	53	—38.9	—0.05					281
21.5	50	—38.6						
22.0	47	—38.4	—0.05					
22.9	41	—38.0	—0.04					278
4.8 1320 φ = 79°06′ λ = 190°10′								
10/10 Ns, Fs, •°								
0.0	010	0.4		100		158	7	
0.07	000	0.8						
0.2	984	1.6	—0.60					
0.3	971	4.6	—3.00					
0.5	948	4.6	0.00					
0.75	920	4.6	0.00					
0.93	900	4.0						
1.0	891	3.7	0.36					
1.39	850	1.9						
1.5	839	1.4	0.46					
1.87	800	—0.2	0.43					
2.0	787	—0.5	0.23					
2.5	740	—1.7	0.24					
2.94	700	—4.9						227
3.0	694	—5.5	0.76					
4.0	610	—11.5	0.60					
4.14	600	—12.5						
5.0	535	—16.1	0.46					
5.52	500	—17.9						277
6.0	468	—19.5	0.34					
7.0	409	—23.6	0.41					
7.17	400	—24.9						
8.0	355	—30.5	0.69					311
9.0	309	—39.1	0.86					
9.2	300	—40.7						
9.93	269	—46.7	0.82					
10.0	266	—46.7						
10.8	236	—46.7	0.00					252
11.0	228	—45.7	—0.50					
11.91	200	—41.8						
12.0	198	—41.7	—0.40					
13.0	171	—40.8	—0.09					250
14.0	148	—39.7	—0.11					
15.0	128	—38.3	—0.14					
16.0	110	—37.0	—0.13					226
16.55	100	—36.6						
17.0	93	—36.2	—0.08					
17.6	84	—35.6	—0.10					209

Продолж. приложения

5.8 1330 φ = 79°14′ λ = 190°17′

10/10 St, ●

H	B	t	γ	U	q	d	V	W
0.0	006	0.2		100	3.8	202	4	
0.05	000	0.1		100	3.8			
0.1	993	−0.1	0.30	100	3.9			
0.2	980	−0.1	0.00	100	3.9			
0.5	945	−0.1	0.00	100	4.0			
0.85	905	−0.1	0.00	100	4.2			
0.9	900	0.2		100	4.2			
1.0	888	0.8	−0.60	100	4.6			
1.11	876	1.3	−0.45	88	4.2			
1.36	850	1.3		81	4.0			
1.5	835	1.3	0.00	76	3.9			
1.7	814	1.3	0.00	68	3.6			
1.84	800	1.0		64	3.3			
2.0	783	0.5	0.27	60	3.1			
2.5	736	−1.5	0.40	51	2.3			
2.9	700	−3.1		51	2.2			292
3.0	690	−3.8	0.46	51	2.0			
4.0	608	−9.8	0.60	51	1.4			
4.11	600	−10.3		51	1.3			
5.0	534	−15.6	0.58	51	1.0			
5.49	500	−18.7		51	0.8			275
6.0	467	−22.4	0.68	51	0.6			
7.0	407	−27.5	0.51	51	0.4			
7.13	400	−28.6		51	0.4			
8.0	353	−33.7	0.62	50				
9.0	306	−39.9	0.62	48				318
9.15	300	−40.7		46				
10.0	264	−45.9	0.60	46				
10.2	256	−47.3	0.70	46				
10.6	241	−47.3	0.00	46				
11.0	227	−44.7	−0.65	45				
11.85	200	−41.4		43				290
12.0	195	−40.9	−0.38	43				
13.0	169	−39.7	−0.12	41				
14.0	147	−39.3	−0.04	41				283
15.0	126	−38.9	−0.04	41				
16.0	108	−38.6	−0.03	41				
16.67	100	−38.4		41				
17.0	94	−38.1	−0.05	41				
18.0	82	−37.4	−0.07	41				312
19.0	70	−36.7	−0.07	41				
20.0	61	−35.6	−0.11	41				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
21.0	53	−35.2	−0.04	41				305
21.6	50	−35.1		41				
22.0	46	−34.6	−0.06	41				
23.0	39	−34.2	−0.04	41				
23.17	38	−34.2	0.00	41				295
3.0	689	−7.3	0.46	59	1.7			312
4.0	605	−12.8	0.55					
4.07	600	−13.1						
5.0	530	−19.1	0.63					
5.42	500	−21.4						
6.0	462	−26.3	0.72					320
7.0	402	−31.7	0.54					
7.03	400	−31.8						
8.0	348	−37.4	0.57					
9.02	300	−43.8	0.63					322
10.0	259	−43.8	0.00					
10.37	246	−43.8	0.00					
11.0	224	−41.1	−0.43					
11.77	200	−39.7						
12.0	193	−39.4	−0.17					270
13.0	167	−38.9	−0.05					
14.0	144	−38.9	0.00					
15.0	125	−38.9	0.00					263
16.0	109	−38.9	0.00					
16.76	100	−38.9						
17.0	94	−38.9	0.00					267
18.0	81	−38.8	−0.01					
19.0	70	−38.4	−0.04					

6.8 0141 φ = 79°13′ λ = 190°20′

10/10 St (57)

H	B	t	γ	U	q	d	V	W
0.0	007	−0.1		98	3.7			
0.05	000	−0.2		98	3.7	202	3	
0.2	981	−0.5	0.20	97	3.6	—	—	
0.5	945	−2.1	0.53	96	3.3	273	6	
0.8	911	−3.7	0.53	95	3.0	281	7	
0.9	900	−3.7		94	3.0			
1.0	888	−3.7	0.00	94	3.0			
1.35	850	−3.7		93	3.2			
1.5	835	−3.7	0.00	92	3.1			
1.84	800	−3.7		91	3.3			
2.0	782	−3.7	0.00	91	3.4			
2.1	773	−3.7	0.00	90	3.3			
2.5	735	−5.0	0.33	65	2.2			
2.88	700	−6.8		60	1.8			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
20.0	60	—38.0	—0.04					265
21.0	52	—37.6	—0.04					
21.25	50	—37.6						
22.0	45	—37.3	—0.03					
23.0	38	—36.8	—0.05					270
24.0	32	—36.2	—0.06					
25.0	27	—35.7	—0.05					270

6.8 1344 φ = 79°13′ λ = 190°22′

10/10 St (45), 9°

0.0	009	0.0		100	3.8	292	2
0.07	000	—0.4		(99)	3.7		
0.2	983	—1.2	0.06	(99)	3.6		
0.5	947	—2.6	0.47	(95)	3.1		
0.91	900	—4.5		(91)	2.6		
1.0	889	—4.8	0.44	(90)	2.6		
1.36	850	—5.9		(87)	2.3		
1.5	835	—6.3	0.30	(86)	2.3		
1.83	800	—7.3		(83)	2.1		
2.0	783	—8.2	0.38	(81)	2.0		
2.5	735	—8.2	0.00	(76)	2.0		
2.62	723	—8.2	0.00	(75)	2.0		

H	B	t	γ	U	q	d	V	W
2.87	700	—9.2		71	1.8			
3.0	688	—9.6	0.37	68	1.7			295
4.0	604	—16.0		55	0.9			
4.05	600	—16.4	0.65	54	0.8			
5.0	529	—18.9	0.26	52	0.7			
5.15	517	—19.1	0.13	51	0.7			239
5.42	500	—21.2		50	0.6			
6.0	461	—25.2	0.72	48	0.4			
7.02	400	—32.9	0.76	46				
8.0	348	—40.2	0.75	44				247
8.81	309	—44.7	0.56	44				
9.01	300	—44.7	0.00	42				
9.72	269	—44.7	0.00	41				
10.0	258	—43.4	—0.46	41				242
11.0	223	—39.6	—0.38	39				
11.42	210	—38.7	—0.21	38				
11.73	200	—38.7		38				
12.0	192	—38.7	0.00	37				
13.0	166	—38.7	0.00	37				239
14.0	144	—38.7	0.00	37				
15.0	124	—38.7	0.00	37				247
16.0	107	—38.7	0.00	37				
16.42	100	—38.7	0.00	37				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
17.0	92	—38.3	—0.07	37				
18.0	80	—37.4	—0.09	37				268
19.0	70	—37.2	—0.02					
20.0	61	—37.2	0.00					271

7.8 0136 φ = 79°13′ λ = 190°25′

10/10 St, Sc (103)

0.0	014	—0.2		97	3.7	270	2
0.1	000	—0.3		95	3.5	313	4
0.2	988	—0.5	0.15	93	3.4	318	3
0.5	951	—1.2	0.23	90	3.3	318	4
0.94	900	—3.3		86	2.8		
1.0	893	—3.6	0.48	86	2.8		
1.34	856	—5.7	0.62	83	2.3		
1.39	850	—5.7		83	2.3		
1.5	839	—5.7	0.00	82	2.4		
1.87	800	—5.7		78	2.3		
2.0	786	—5.7		77	2.4		
2.06	780	—5.7	0.00	77	2.4		
2.5	737	—6.6	0.20	65	2.0		
2.91	700	—7.6		54	1.6		
3.0	692	—8.1	0.30	53	1.5		

H	B	t	γ	U	q	d	V	W
3.71	631	—11.7	0.51	38	0.9			365
4.0	608	—13.3	0.55	38	0.8			
4.1	600	—13.7		37	0.7			
5.0	532	—20.0	0.67	36	0.4			
5.46	500	—22.0		36	0.4			
6.0	464	—25.5	0.55	35	0.3			
7.0	404	—33.2	0.77	34				346
7.07	400	—33.7		34				
8.0	350	—39.2	0.60	33				
9.0	302	—45.6	0.64	31				
9.03	300	—45.9		31				
9.5	280	—47.7	0.42	30				
10.0	260	—46.2	—0.30	30				320
11.0	224	—41.4	—0.48	28				
11.78	200	—40.5		26				
12.0	193	—40.4	—0.10	26				
12.64	176	—39.8	—0.09	24				
13.0	166	—39.8	0.00	23				255
14.0	144	—39.8	0.00	22				
15.0	125	—39.8	0.00	19				249
16.0	108	—39.3	—0.05					
16.48	100	—39.1						
17.0	92	—38.9	—0.04					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.0	81	—38.6	0.03					259
19.0	70	—38.2	—0.04					
20.0	60	—37.9	—0.03					
21.0	52	—37.6	—0.03					272
21.4	50	—37.4						
22.0	46	—37.2	—0.04					
23.0	40	—36.9	—0.03					264

7.8 1335 φ = 79°13′ λ = 190°29′

8/0 Cs, Cc

0.0	014	0.2		100	3.8	158	3	
0.11	000	0.1		100	3.8	—	—	
0.2	989	0.0	0.10	99	3.7	—	—	
0.37	969	—0.4	0.24	98	3.7	167	6	
0.5	953	—0.4	0.00	98	3.8	182	5	
0.8	917	—0.4	0.00	96	3.8	175	5	
0.95	900	—0.6		95	3.9	182	5	
1.0	894	—0.7	0.15	95	3.9	172	5	
1.41	850	—1.4		94	3.8	168	3	
1.5	840	—1.5	0.16	93	3.7	177	3	
1.89	800	—2.2		87	3.5	172	3	
2.0	788	—2.5	0.20	86	3.4	157	1	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.5	740	—4.1	0.32	77	2.8	269	1	
2.95	700	—6.3		66	2.1	261	3	
3.0	695	—6.5	0.48	65	2.1	258	3	336
4.0	611	—11.2	0.47	64	1.6	207	4	
4.13	600	—11.7		63	1.5	203	4	
5.0	535	—15.4	0.42	58	1.1	202	6	
5.53	500	—18.1		57	0.9	213	6	
6.0	468	—21.9	0.65	55	0.6	218	8	334
7.0	408	—28.8	0.69	52	0.4	240	15	
7.14	400	—29.2		51	0.4	242	15	
8.0	354	—32.1	0.33	49		250	20	
9.0	307	—38.8	0.67	48		254	24	
9.17	300	—40.0				254	26	
10.0	264	—45.6	0.68			258	29	371
11.0	228	—53.3	0.77			253	20	
11.3	218	—53.3	0.00			250	18	
11.85	200	—47.7				252	14	
12.0	195	—46.7	—0.94			252	13	
13.0	167	—42.8	—0.39			246	13	
14.0	144	—41.7	—0.11			243	12	390
15.0	125	—40.6	—0.11					
16.0	108	—39.6	—0.10					
16.5	100	—39.2						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
17.0	93	—39.0	—0.06					
18.0	80	—38.6	—0.04					
19.0	68	—38.2	—0.04					
20.0	59	—37.8	—0.04					
20.3	56	—37.6	—0.07					395

8.8 0142 φ = 79°14′ λ = 190°29′

10/10 St (63)

0.0	009	—0.2		96	3.6	112	7	
0.07	000	—0.3		96	3.5	—	—	
0.1	996	—0.5	0.30	95	3.5	—	—	
0.2	984	—0.5	0.00	94	3.5	137	11	
0.5	948	—0.5	0.00	91	3.6			
0.93	900	—0.5		88	3.6			
1.0	891	—0.5	0.00	87	3.6			
1.1	880	—0.5	0.00	86	3.6			
1.38	850	—1.6		83	3.3			
1.5	837	—2.2	0.42	81	3.2			
1.86	800	—3.4		77	2.8			
2.0	785	—4.1	0.38	76	2.7			
2.5	737	—5.7	0.32	75	2.5			
2.89	700	—6.7		75	2.4			292

Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.0	691	—7.1	0.28	74	2.3			
4.0	607	—12.1	0.50	73	1.6			
4.08	600	—12.7		73	1.6			
5.0	532	—17.7	0.56	72	1.2			
5.47	500	—19.1		71	1.0			
6.0	465	—21.1	0.34	70	0.9			324
7.0	405	—26.3	0.52	69	0.6			
7.1	400	—27.0		68	0.5			
8.0	352	—34.0	0.77	67				
9.0	305	—41.7	0.77	66				333
9.1	300	—42.3		66				
10.0	263	—49.7	0.80					
10.5	244	—49.7	0.00					
11.0	226	—46.5	—0.64					
11.8	200	—43.6						310
12.0	194	—42.5	—0.40					
13.0	168	—40.6	—0.19					
13.55	154	—39.8	—0.15					
14.0	145	—39.8	0.00					262
15.0	125	—39.6	—0.02					
16.0	108	—39.4	—0.02					
16.5	100	—39.2						262
17.0	93	—39.1	—0.03					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.0	81	—38.8	—0.03					
19.0	70	—38.6	—0.02					
19.24	68	—38.5	—0.04					262
8.8 1322 φ = 79°15′ λ = 190°29′								
10/10 St (29)								
0.0	003	—0.5		99	3.7	112	5	
0.04	000	—0.7		99	3.7			
0.2	978	—1.4	0.45	99	3.4			
0.37	957	—2.3	0.53	99	3.2			
0.5	942	—2.3	0.00	99	3.3			
0.86	900	—2.3		99	3.5			
1.0	885	—2.3	0.00	99	3.5			
1.32	850	—2.8	0.16	99	3.5			
1.5	832	—3.2	0.22	99	3.6			
1.8	800	—3.8		99	3.5			
2.0	780	—4.2	0.20	99	3.6			
2.5	732	—5.8	0.32	98	3.1			
2.85	700	—7.5		97	2.8			
3.0	686	—8.3	0.50	97	2.6			347
4.0	604	—11.0	0.27	95	2.4			
4.05	600	—11.3		95	2.3			
5.0	529	—16.4	0.54	93	1.6			
5.43	500	—18.6		92	1.4			
6.0	463	—21.7	0.53	85	1.0			
7.0	404	—26.9	0.52	79	0.6			375
7.07	400	—27.1		79	0.6			
8.0	350	—33.7	0.68	77				
9.0	303	—41.6	0.79	74				
9.07	300	—42.2		74				
9.85	267	—48.9	0.86	72				
10.0	262	—48.0	—0.60	71				273
11.0	225	—42.1	—0.59	62				
11.8	200	—40.1		59				
12.0	194	—40.0	—0.21	56				
13.0	167	—39.3	—0.07	54				291
14.0	145	—38.8	—0.05					
15.0	125	—38.4	—0.04					
16.0	107	—38.4	0.00					297
16.5	100	—38.3						
17.0	93	—38.0	—0.04					
18.0	80	—37.6	—0.04					
19.0	69	—37.2	—0.04					
20.0	60	—36.7	—0.05					
20.45	57	—36.7	0.00					336

Продолж. приложения

H	B	t	γ	U	q	d	V	W
9.8 0122 φ = 79°17′ λ = 190°28′								
10/10 St (25)								
0.0	000	—0.2		100	3.8	180	3	
0.2	975	—0.8	0.30	99	3.6	211	8	
0.37	954	—1.4	0.35	98	3.4			
0.5	939	—1.4	0.00	98	3.5			
0.85	900	—1.4		96	3.5			
1.0	883	—1.4	0.00	95	3.6			
1.3	850	—2.5		94	3.5			
1.5	829	—3.4	0.40	93	3.2			
1.77	800	—5.0		92	2.8			
2.0	777	—6.5	0.62	91	2.5			
2.35	743	—8.6	0.60	89	2.0			
2.5	729	—8.9	0.20	89	2.1			
2.81	700	—9.6		87	2.1			
3.0	683	—9.9	0.20	87	2.1			295
3.1	674	—10.0	0.10	86	2.1			
4.0	600	—14.7	0.52	74	1.3			
5.0	524	—20.7	0.60	57	0.7			
5.33	500	—22.9		51	0.5			
6.0	456	—28.3	0.76	48	0.3			258
9.8 1322 φ = 79°20′ λ = 190°26′								
10/10 St (11)								
0.0	004	0.0		96		202	5	
0.04	000	—0.1						
0.2	979	—0.9	0.45					
0.5	941	—2.8	0.63					
0.78	909	—5.1	0.82					
0.85	900	—5.1						
1.0	883	—5.1	0.00					
1.31	850	—3.9						
1.38	843	—3.6	—0.39					
1.5	830	—3.6	0.00					
1.8	800	—3.6						
2.0	779	—3.6	0.00					
2.5	731	—5.1	0.30					225
2.84	700	—6.7						
3.0	686	—7.4	0.46					
4.0	603	—12.5	0.51					190
4.03	600	—12.7						
5.0	527	—19.3	0.68					
5.39	500	—22.3						
6.0	459	—25.7	0.64					222

H	B	t	τ	U	q	d	V	W
7.02	400	—31.0	0.52					
8.0	348	—35.4	0.45					244
9.02	300	—41.8	0.63					
9.7	272	—46.8	0.74					
10.0	260	—46.8	0.00					
10.22	253	—46.8	0.00					
11.0	224	—42.0	—0.62					
11.74	200	—40.5						233
12.0	192	—40.1	—0.19					
13.0	166	—39.8	—0.03					
14.0	142	—39.4	—0.04					210
15.0	123	—39.0	—0.04					
16.0	108	—38.6	—0.04					201
16.5	100	—38.5	—0.02					
17.0	92	—38.5	0.00					
18.0	79	—38.5	0.00					
18.8	68	—38.5	0.00					197

10.8 0127 $\varphi = 79°19'$ $\lambda = 190°40'$

10/10 St (79), ⛬°

0.0	001	—1.0		95	3.3		0	
0.01	000	—1.1		95	3.3	—	—	
0.2	976	—1.8	0.40	93	3.1	181	1	

H	B	t	τ	U	q	d	V	W
0.5	940	—3.5	0.57	90	2.7	—	1	
0.7	917	—5.1	0.80	87	2.3	—	1	
0.85	900	—5.1	0.00	87	2.4	186	1	
1.0	883	—3.4	—1.13	87	2.8	—	1	
1.3	850	—3.4	0.00	87	2.9	—	1	
1.5	828	—4.7	0.65	87	2.8	—	1	
1.77	800	—6.4		87	2.4	—	1	
2.0	776	—8.2	0.70	87	2.2			
2.5	728	—9.6	0.28	86	2.0			
2.8	700	—10.5		86	1.9			
3.0	681	—12.0	0.48	85	1.7			350
3.97	600	—16.0		83	1.3			
4.0	598	—16.1	0.41	83	1.3			
5.0	523	—20.0	0.39	81	1.1			
5.35	500	—20.7		80	1.0			
5.8	470	—21.6	0.20	80	1.0			
6.0	457	—22.6	0.50	79	0.9			
6.97	400	—28.0		77	0.5			
7.0	398	—28.1	0.55	77	0.5			363
8.0	346	—34.5	0.64	75				
8.99	300	—41.2	0.68	72				
9.9	262	—47.2	0.66	67				
10.0	258	—47.2	0.00	67				

H	B	t	τ	U	q	d	V	W
10.37	244	—47.2	0.00	64				319
11.0	222	—42.8	—0.70	59				
11.7	200	—40.4		56				
12.0	191	—39.8	—0.30	55				
13.0	165	—39.0	—0.08	52				282
14.0	143	—38.6	—0.04	49				
15.0	123	—38.6	0.00	46				
16.0	108	—38.6	0.00	44				286
16.44	100	—38.6						
17.0	92	—38.6	0.00					
18.0	80	—38.6	0.00					
19.0	69	—38.6	0.00					279
20.0	59	—38.6	0.00					
21.0	52	—38.6	0.00					
21.22	50	—38.6						
22.0	45	—38.6	0.00					280
23.0	39	—38.6	0.00					
24.0	34	—38.6	0.00					270

11.8 0141 $\varphi = 79°18'$ $\lambda = 191°00'$

10/10 Fs (25), ⚹°

0.0	000	—1.0		91	3.2	248	5	
0.2	975	—1.6	0.30	90	3.1			

H	B	t	τ	U	q	d	V	W
0.5	938	—2.5	0.30	90	3.0			
0.82	900	—3.1		90	3.0			
1.0	881	—3.5	0.20	90	2.9			
1.27	850	—4.6		88	2.7			
1.5	827	—5.5	0.40	86	2.5			
1.76	800	—6.2		83	2.4			
2.0	776	—6.9	0.28	80	2.2			
2.5	727	—9.3	0.48	74	1.7			
2.79	700	—10.3		70	1.5			
3.0	680	—10.6	0.26	68	1.6			298
3.97	600	—15.0		58	1.0			
4.0	598	—15.1	0.45	57	1.0			
5.0	524	—19.7	0.46	49	0.6			238
5.34	500	—21.3		46	0.5			
6.0	456	—25.0	0.53	41	0.4			
6.95	400	—29.7		39	0.3			
7.0	396	—30.0	0.50	39	0.2			230
8.0	345	—34.0	0.40	38				
8.96	300	—39.3		36				
9.0	298	—39.6	0.56	36				
9.64	272	—43.0	0.53	35				231
10.0	258	—43.0	0.00	34				
10.14	253	—43.0	0.00	34				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
11.0	222	—40.4	—0.30	33				
11.74	200	—39.2		32				243
12.0	192	—39.0	—0.14	31				
13.0	166	—38.2	—0.08	29				251
14.0	144	—38.0	—0.02					
15.0	124	—37.8	—0.02					
16.0	107	—37.5	—0.03					
16.5	100	—37.4						
	93	—37.3	—0.02					285

11.8 1331 $\varphi = 79°18'$ $\lambda = 191°15'$

10/10 Fs (25)

0.0	994	—3.0		92	2.8	360	1
0.2	970	—4.0	0.50	90	2.5	334	2
0.28	960	—4.7	0.88	89	2.4	324	2
0.5	934	—4.7	0.00	87	2.4	311	2
0.8	900	—4.7		84	2.4	282	3
1.0	877	—4.7	0.00	82	2.5	302	3
1.24	850	—5.1		77	2.3	291	4
1.5	822	—5.7	0.20	73	2.1	272	4
1.71	800	—6.1		68	2.0	268	4
2.0	770	—7.1	0.28	65	1.8	270	4

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.5	722	—8.9	0.36	58	1.4	263	4	
2.75	700	—10.0		58	1.3	255	5	
3.0	676	—11.0	0.42	58	1.3	248	5	303
3.93	600	—14.7		58	1.0			
4.0	594	—15.0	0.40	58	1.0			
5.0	520	—19.5	0.45	58	0.8			
5.29	500	—21.1		57	0.7			
6.0	454	—24.4	0.49	53	0.5			
6.9	400	—30.0		50	0.3			270
7.0	394	—30.6	0.62	50				
8.0	342	—38.5	0.79	49				
8.7	308	—45.0	0.93	48				
8.87	300	—45.0		48				
9.0	295	—45.0	0.00	48				
9.4	278	—45.0	0.00	47				300
10.0	254	—39.9	—0.85	47				
11.0	220	—36.5	—0.34	46				
11.64	200	—35.8		45				
12.0	190	—35.8	—0.07	45				289
13.0	165	—36.0	0.02	44				
14.0	142	—37.2	0.12	43				
15.0	123	—37.3	0.01	43				252
16.0	108	—37.3	0.00	43				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.55	100	—37.3		43				
17.0	94	—37.3	0.00	43				264
18.0	80	—37.3	0.00	43				
19.0	68	—37.3	0.00	43				261
20.0	60	—37.3	0.00					
21.0	52	—37.3	0.00					
21.32	50	—37.3	0.00					263

12.8 1359 $\varphi = 79°16'$ $\lambda = 191°45'$

10/10 Fs (25), ⛆

0.0	000	—0.8		97	3.4	248	9	
0.2	975	—2.0	0.60	96	3.2			
0.5	939	—3.7	0.57	96	2.9			
0.84	900	—5.0		95	2.7			
1.0	881	—5.4	0.34	94	2.5			
1.29	850	—6.3		93	2.4			
1.5	827	—7.6	0.44	90	2.2			
1.76	800	—8.7		87	2.0			
2.0	775	—9.6	0.40	84	1.8			
2.5	727	—11.2	0.32	89	1.7			
2.79	700	—11.9		77	1.5			
3.0	681	—12.4	0.24	74	1.4			307

Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.95	600	—16.6		65	1.0			
4.0	596	—16.8	0.44	65	0.9			
5.0	522	—23.0	0.62	62	0.6			
5.31	500	—25.2		61	0.5			
6.0	454	—28.8	0.58	60	0.4			309
6.89	400	—32.0		59				
7.0	393	—32.5	0.37	59				
8.0	341	—37.6	0.51	58				
8.89	300	—43.3	0.64	58				
9.0	295	—43.3	0.00	57				
9.3	283	—43.3	0.00	57				287
10.0	255	—39.7	—0.51	57				
11.0	220	—36.8	—0.29	56				
11.67	200	—36.2		55				
12.0	191	—36.0	—0.08	55				259
13.0	165	—35.2	—0.08	55				
14.0	143	—35.2	0.00	54				251
15.0	124	—35.2	0.00	53				
16.0	108	—35.2	0.00	52				
16.55	100	—35.2		52				
17.0	93	—35.2	0.00	52				263
18.0	81	—35.2	0.00	51				
19.0	70	—35.2	0.00	51				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
20.0	61	—35.2	0.00	51				304
21.0	52	—35.2	0.00	51				
21.35	50	—35.2		51				
22.0	45	—35.2	0.00	51				
23.0	38	—35.2	0.00					
23.9	34	—35.2	0.00					297

13.8 0145 φ = 79°11′ λ = 192°00′

10/10 ☰ (14)

0.0	001	—2.8		93	2.8	270	5	
0.1	000	—2.9		93	2.8			
0.2	976	—3.0	0.10	92	2.8			
0.5	939	—3.7	0.23	89	2.7			
0.85	900	—4.7		81	2.3			
1.0	882	—5.5	0.36	79	2.1			
1.29	850	—6.6		74	1.9			
1.5	828	—7.1	0.32	71	1.8			
1.77	800	—7.7		67	1.7			
2.0	776	—8.3	0.24	62	1.5			
2.5	728	—9.8	0.30	56	1.2			
2.8	700	—11.4		53	1.1			
3.0	681	—12.5	0.54	52	1.0			330

H	B	t	γ	U	q	d	V	W
3.97	600	—17.0		59	0.8			
4.0	597	—17.1	0.46	59	0.8			
5.0	522	—21.6	0.45	59	0.6			
5.31	500	—22.7		59	0.6			
6.0	455	—27.2	0.56	59	0.4			277
6.93	400	—31.7		58				
7.0	395	—32.2	0.50	58				
8.0	343	—38.6	0.64	52				
8.92	300	—44.5		50				
9.0	296	—45.4	0.68	50				227
9.12	291	—46.1	0.58	50				
9.7	267	—46.1	0.00	48				
10.0	255	—42.5	—1.20	48				
11.0	220	—37.7	—0.48	46				206
11.66	200	—36.8		45				
11.74	197	—36.7	—0.14	44				
12.0	190	—36.7	0.00	44				
13.0	164	—36.7	0.00	42				191
14.0	143	—36.7	0.00	42				
15.0	124	—36.7	0.00	42				221
16.0	107	—36.7	0.00	42				
16.37	102	—36.7	0.00	42				224

Продолж. приложения

H	B	t	γ	U	q	d	V	W
6.99	400	—34.0	0.67	65				
8.0	345	—40.2	0.61	62				
8.88	303	—47.6	0.84					
8.95	300	—47.6						
9.0	297	—47.6	0.00					
9.7	268	—47.6	0.00					
10.0	256	—45.4	—0.73					362
11.0	220	—40.5	—0.49					
11.67	200	—39.3						
12.0	190	—39.0	—0.15					
13.0	165	—38.0	—0.10					322
14.0	142	—37.4	—0.06					
15.0	123	—36.8	—0.06					
16.0	107	—36.2	—0.06					
16.45	100	—35.8						
17.0	93	—35.3	—0.09					
17.64	84	—34.7	—0.09					301

15.8 1406 φ = 79°00′ λ = 193°00′

10/10 ☰, ⚹°

0.0	018	0.0		96	3.5	270	4	
0.15	000	—0.6		96	3.5			

H	B	t	γ	U	q	d	V	W
0.0	009	—0.8		99	3.5	292	9	
0.05	000	—1.2		99	3.5			
0.2	982	—1.9	0.55	99	3.3			
0.5	945	—3.8	0.63	98	2.8			
0.89	900	—3.8		97	2.9			
1.0	888	—3.8	0.00	97	3.0			
1.36	850	—3.8		96	3.1			
1.5	835	—3.8	0.00	93	3.1			
1.85	800	—5.8		87	2.5			
2.0	785	—6.3	0.50	86	2.4			
2.5	736	—8.8	0.50	82	2.0			
2.89	700	—11.5		78	1.6			
3.0	689	—12.2	0.68	77	1.5			339
3.5	645	—16.2	0.80	75	1.1			
4.0	603	—17.1	0.18	74	1.0			
4.04	600	—17.2		74	1.0			
4.3	579	—17.6	0.17	72	1.0			
5.0	528	—21.0	0.49	70	0.8			
5.41	500	—23.4		69	0.6			
6.0	460	—27.4	0.64	67	0.5			351

13.8 1350 φ = 79°08′ λ = 192°15′

10/10 St (12)

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.2	992	−0.8	0.40	96	3.5			
0.5	955	−2.4	0.53	95	3.1			
0.98	900	−5.0		94	2.6			
1.05	892	−6.0	0.65	94	2.4			
1.44	850	−6.0		89	2.4			
1.5	843	−6.0	0.00	87	2.4			
1.82	809	−6.0	0.00	78	2.3			
1.91	800	−6.3		76	2.1			
2.0	790	−6.7	0.39	74	2.1			
2.5	741	−8.5	0.35	67	1.7			
2.94	700	−10.3		62	1.4			
3.0	694	−10.5	0.40	62	1.4			291
4.0	609	−17.3	0.68	57	0.8			
4.11	600	−17.7		57	0.8			
5.0	532	−23.5	0.62	53	0.5			
5.45	500	−26.8		53	0.3			
6.0	463	−29.6	0.61	51	0.3			266
7.0	402	−35.5	0.59	50				
7.03	400	−35.7		50				
8.0	347	−39.4	0.39	48				
8.72	313	−41.8	0.33	48				259
9.01	300	−41.8	0.00	47				
10.0	259	−41.8		47				

H	B	t	γ	U	q	d	V	W
10.08	256	−41.8	0.00	47				253
11.0	223	−40.8	−0.11	46				
11.77	200	−40.2		46				
12.0	193	−40.2	−0.06	46				254
13.0	167	−40.2	0.00	45				
14.0	144	−40.2	0.00	44				
15.0	125	−40.2	0.00	43				242
15.73	113	−40.2	0.00	43				
16.0	109	−40.0	−0.07	43				
16.53	100	−39.8						
17.0	92	−39.6	−0.04					282
18.0	80	−39.2	−0.04					
19.0	69	−38.9	−0.03					
20.0	60	−38.5	−0.04					
21.0	52	−38.5	0.00					
21.2	50	−38.5						
22.0	44	−38.5	0.00					338

16.8 0137 φ = 79°01′ λ = 193°10′

10/10 Sc (62), ☰, ♎

0.0	017	−0.6		99	3.6	248	3
0.13	000	−1.0		97	3.4	274	6
0.2	991	−1.2	0.30	96	3.5	282	6

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.5	955	−2.5	0.43	92	3.0			
0.8	920	−4.7	0.73	(85)	2.5			
0.97	900	−3.2	−0.88	81	3.7			
1.0	897	−3.2	0.00	81	2.7			
1.2	875	−3.2	0.00	79	2.7			
1.43	850	−4.5		77	2.4			
1.5	842	−5.2	0.67	76	2.3			
1.91	800	−6.9		73	2.0			
2.0	790	−7.3	0.42	72	1.9			
2.5	741	−8.7	0.28	66	1.6			
2.94	700	−9.9		60	1.4			
3.0	694	−10.0	0.26	59	1.4			264
4.0	609	−14.4	0.44	53	1.0			
4.12	600	−15.2		53	0.9			
5.0	533	−20.4	0.60	50	0.6			
5.47	500	−23.3		48	0.4			
6.0	465	−25.9	0.55	47	0.4			269
7.0	404	−31.4	0.55	46				
7.07	400	−31.7		46				252
8.0	350	−37.5	0.61	45				
9.0	303	−45.0	0.75	44				
9.06	300	−45.3		44				
10.0	259	−51.6	0.66	44				235

H	B	t	γ	U	q	d	V	W
10.52	240	−51.6	0.00	43				
11.0	223	−47.3	−0.90	43				
11.75	200	−44.0		42				
12.0	192	−43.6	−0.37	42				225
13.0	166	−42.4	−0.12	41				
14.0	143	−42.0	−0.04	41				217
15.0	123	−41.8	−0.02	40				
16.0	106	−41.6	−0.02					
16.41	100	−41.5						
17.0	92	−41.3	−0.03					209
18.0	80	−41.0	−0.03					
19.0	68	−40.9	−0.01					206
20.0	58	−40.9	0.00					
21.0	51	−40.9	0.00					
21.07	50	−40.9						
22.0	43	−40.9	0.00					202

16.8 1333 φ = 76°58′ λ = 193°25′

10/10 St (9), ☁

0.0	018	0.4		96	3.7	248	5
0.13	000	0.4		96	3.7		
0.2	993	0.4	0.00	96	3.8		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.5	857	0.4	0.00	96	3.9			
0.99	900	0.4	0.00	96	4.2			
1.23	874	0.4	0.00	96	4.3			
1.45	850	—0.2		96	4.3			
1.5	845	—0.3	0.26	96	4.1			
1.93	800	—1.2		87	3.7			
2.0	792	—1.4	0.22	86	3.7			
2.5	744	—3.7	0.46	55	2.1			
2.97	700	—5.9		48	1.6			270
3.0	698	—6.0	0.46	48	1.6			
4.0	615	—10.9	0.49					
4.18	600	—12.3						
5.0	539	—17.5	0.66					257
5.55	500	—21.0						
6.0	470	—23.4	0.59					
7.0	411	—28.2	0.48					
7.2	400	—29.2						
8.0	356	—34.8	0.66					254
9.0	308	—42.0	0.72					
9.18	300	—43.0						
10.0	266	—48.1	0.61					246
10.23	257	—49.4	0.57					
11.0	229	—49.4	0.00					
11.9	200	—42.8						
12.0	197	—42.6	—0.68					218
13.0	170	—41.1	—0.15					
14.0	147	—40.2	—0.09					234
15.0	127	—39.6	—0.06					
16.0	109	—39.2	—0.04					
16.61	100	—38.9						250
17.0	95	—38.8	—0.04					
18.0	83	—38.4	—0.04					
19.0	71	—38.0	—0.04					252
20.0	61	—37.6	—0.04					
21.0	53	—37.2	—0.04					
21.5	50	—37.0						
22.0	45	—36.8	—0.04					
22.64	41	—36.6	—0.03					252

17.8 0153 φ = 78°57′ λ = 193°40′

10/10 ☰ (6)

0.0	019	0.0		100	3.7	248	7
0.15	000	0.0		100	3.8		
0.2	993	0.0	0.00	100	3.9		
0.5	957	2.6	—0.87	96	4.6		
0.7	934	3.1	—0.25	94	4.8		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.01	900	2.6	0.16	89	4.5			
1.47	850	1.5		82	4.1			
1.5	846	1.4	0.24	81	4.0			
1.94	800	—0.4		74	3.4			
2.0	793	—0.8	0.44	73	3.3			
2.5	745	—4.0	0.64	70	2.6			
3.0	700	—6.5	0.50	67	2.1			334
4.0	615	—12.8	0.63	62	1.3			
4.19	600	—13.8		62	1.2			
5.0	539	—17.7	0.49	62	0.9			
5.56	500	—20.8		72	0.9			
6.0	470	—24.1	0.64	72	0.6			385
7.0	410	—30.3	0.62	72				
7.2	400	—31.2		72				
8.0	355	—36.0	0.57	72				
9.0	307	—42.8	0.68	72				
9.15	300	—43.7		72				
9.75	274	—47.1	0.57					418

17.8 1353 φ = 78°56′ λ = 194°00′

2/1 Ac, Fs

0.0	016	1.0		90	3.6	248	5
0.12	000	1.0		89	3.6	265	12
0.2	990	1.0	0.00	88	3.6	275	13
0.5	954	1.0	0.00	87	3.7	284	16
0.97	900	1.0		87	4.0	276	18
1.0	897	1.0	0.00	87	4.0	276	18
1.18	878	1.0	0.00	87	4.1	277	20
1.44	850	—0.5		87	3.7	279	22
1.5	843	—0.9	0.59	87	3.7	279	21
1.92	800	—3.0		82	3.0	280	19
2.0	791	—3.2	0.46	80	3.0	280	20
2.5	743	—5.0	0.36	72	2.4	278	18
2.97	700	—8.0		66	1.8	282	18
3.0	697	—8.1	0.62	66	1.8	283	18
4.0	612	—12.9	18	66	1.4	284	21
4.16	600	—13.9		66	1.3	284	22
5.0	536	—19.2	0.63	58	0.8	282	23
5.51	500	—22.9		56	0.6	281	24
6.0	467	—25.7	0.65	53	0.4	279	26
7.0	407	—31.3	0.56	51			
7.13	400	—32.0		51			
8.0	353	—38.5	0.72				
9.0	306	—43.6	0.51				
9.15	300	—43.8					
9.35	292	—44.6	0.29				

Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.8 0126 φ = 78°53′ λ = 194°30′								
10/10 Sc (16)								
0.0	015	—0.2		100	3.7	248	8	
0.12	000	—1.0		99	3.5			
0.2	989	—1.5	0.65	98	3.3			
0.4	964	—2.4	0.45	96	3.1			
0.5	953	—2.4	0.00	95	3.1			
0.96	900	—2.4		91	3.2			
1.0	895	—2.4	0.00	90	3.1			
1.42	850	—2.4	0.00	83	3.1			
1.5	841	—3.0		78	2.7			
1.9	800	—4.4		67	2.2			
2.0	789	—4.7	0.40	66	2.2			
2.5	740	—7.9	0.64	61	1.6			277
2.93	700	—9.3		57	1.4			
3.0	694	— 9.4	0.30					
4.0	609	—14.0	0.46					
4.11	600	—14.3						
5.0	533	—19.1	0.51					
5.47	500	—21.7						250
6.0	464	—24.3	0.52					
7.0	404	—31.0	0.67					
7.08	400	—31.4						230
8.0	351	—38.3	0.73					
9.0	304	—45.2	0.69					
9.08	300	—45.2						
10.0	261	—45.2	0.00					220
10.27	251	—45.2	0.00					
11.0	225	—41.9	—0.45					
11.6	206	—40.4	—0.25					
11.8	200	—40.4						
12.0	194	—40.4	0.00					225
13.0	168	— 40.4	0.00					
14.0	145	—40.4	0.00					200
15.0	125	— 40.4	0.00					
16.0	109	—40.4	0.00					
16.5	102	—40.4	0.00					200
18.8 1342 φ = 78°55′ λ = 194°10′								
10/10 Ns (82), ⚹°								
0.0	014	0.2		96	3.6	248	4	
0.11	000	—0.3		96	3.5			
0.2	988	—0.5	0.35	96	3.5			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.5	952	—1.1	0.20	96	3.5			
0.95	900	—1 8		96	3.5			
1.0	893	—1.9	0.16	96	3.5			
1.41	850	—2.5		96	3.5			
1.5	840	—2.6	0.14	96	3.5			
1.88	800	—3.4		96	3.5			
2.0	788	—3.9	0.26	96	3.4			
2.5	739	—5.3	0.28	96	3.2			
2.93	700	—6.7		96	3.1			293
3.0	693	—7.2	0.38	96	3.0			
4.0	610	—12.4	0.52	87	1.9			
4.13	600	—13.0		86	1-8			
5.0	534	—17.9	0.55	(76)	1.1			
5.49	500	—21.0		(72)	0.9			
6.0	465	—23.9	0.60	(68)	0.7			310
7.0	405	—31.2	0.73	(59)				
7.09	400	—31.7		(58)				
8.0	353	(—38.8)	0.76	50				
9.0	307	—	—	49				309
9.16	300	—		49				
10.0	265	—	—	48				
11.0	229	—	—	46				
11.9	200	—		46				
12.0	197	—48.0	—	45				307
13.0	169	—48.0	0.00	44				
13.94	147	—48.0	0.00	44				
14.0	145	—47.9		44				290
15.0	126	—47.0	—0.94	44				
15.7	114	—46.4	—0.86	44				
16.0	109	—46.4	0.00	44				
16.58	100	—46.4						
17.0	93	—46.4	0.00					
18.0	80	—46.4	0.00					288
18.48	74	—46.4	0.00					
19.8 0136 φ = 78°52′ λ = 194°4C′								
10/10 Ns, ☰, ⚲								
0.0	012	0.2		96	3.6	248	3	
0.1	000	0.3		96	3.8			
0.2	987	0.4	—0.10	95	3.8			
0.4	963	0·5	—0.05	95	3.9			
0.5	951	0.5	0.00	95	4.0			
0.7	927	0.5	0.00	94	3.9			
0.94	900	—0.3		94	3.9			
1.0	893	—0.6	0.37	93	3.8			

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H	B	t	γ	U	q	d	V	W
1.39	850	—1.6		92	3.7			
1.5	839	—1.7	0.22	92	3.7			
1.87	800	—2.5		91	3.6			
2.0	787	—2.7	0.20	91	3.6			
2.5	739	—4.4	0.34	90	3.1			
2.92	700	—6.3		89	2.8			
3.0	692	—6.8	0.48	89	2.8			308
4.0	609	—12.5	0.57	86	1.9			
4.12	600	—13.2		86	1.8			
5.0	534	—18.8	0.63	84	1.2			
5.49	500	—21.9		83	0.9			
6.0	466	—24.6	0.58	82	0.7			307
7.0	406	—31.8	0.72	80				
7.11	400	—32.5		80				
8.0	351	—38.2	0.64	78				
9.0	303	—45.7	0.75	76				311
9.07	300	—46.2		76				
9.6	277	—49.9	0.70	74				
10.0	261	—49.9		73				
10.06	259	—49.9	0.00	73				
11.0	225	(—45.5)	—0.47	71				
11.79	200	—43.1						
12.0	193	—43.0	—0.25					310
13.0	166	—42.8	—0.02					
14.0	144	—42.5	—0.03					
15.0	124	(—42.2)	—0.03					324
16.0	106	(—41.8)	—0.04					
16.39	100	(—41.7)						
17.0	91	(—41.6)	—0.02					287
18.0	80	—41.4	—0.02					
19.0	69	—41.4	0.00					
20.0	59	—41.4	0.00					
20.32	57	—41.4	0.00					269

19.8 1402 φ = 78°52′ λ = 194°50′

10/10 Ns, •

0.0	014	0.0		100	3.8	270	3
0.13	000	—0.3		100	3.7	—	—
0.2	989	—0.4	0.20	100	3.7	313	5
0.5	952	—0.8	0.13	100	3.7	304	5
0.95	900	—1.2		99	3.9		
1.0	894	—1.3	0.10	99	3.8		
1.41	850	—1 8		99	3.8		
1.5	840	—1.9	0.12	99	3.9		

H	B	t	γ	U	q	d	V	W
1.89	800	—2.7		99	3.9			
2.0	789	—3.0	0.22	98	3.7			
2.5	740	—5.7	0.54	98	3.2			
2.93	700	—7.0		98	2.9			
3.0	694	—7.2	0.30	98	3.0			310
4.0	609	—13.2	0.60	86	1.8			
4.13	600	—13.6		85	1.7			
5.0	533	—18.8	0.56	81	1.1			
5.47	500	—21.7		78	0.9			321
6.0	465	—25.0	0.62	76	0.6			
7.0	406	—29.6	0.46	73	0.4			
7.1	400	—30.1		73				
8.0	352	—35.4	0.58	72				366
9.0	305	—41.4	0.60	71				
9.12	300	—42.0		71				
10.0	263	—47.0	0.56	70				
10.25	254	—47.6	0.24	70				
11.0	226	—46.0	—0.21	69				
11.82	200	—42.9		68				
12.0	195	—42.6	—0.34	68				376
13.0	168	—41.5	—0.11	67				
14.0	145	—41.2	—0.03	66				
15.0	125	—40.9	—0.03	65				
16.0	108	—40.6	—0.03					326
16.6	100	—40.2						
17.0	93	—40.2	—0.04					
18.0	81	—40.0	—0.02					
19.0	70	—39.7	—0.03					393
20.0	60	—39.4	—0.03					
21.0	52	—39.2	—0.02					
21.3	50	—39.0						
22.0	46	—38.8	—0.04					
23.0	40	—38.6	—0.02					
24.0	34	—38.2	—0.04					
25.0	29	—37.7	—0.05					408
26.0	25	—37.3	—0.04					

20.8 0140 φ = 78°50′ λ = 195°25′

0/0 ☰

0.0	016	—3.4		92	2.6	270	3	
0.13	000	—2.7		91	2.8	297	8	
0.2	991	—2.3	—0.55	91	2.8	301	8	
0.5	954	—0.8	—0.50	91	3.4	307	8	
0.6	941	—0.6	—0.20	90	3.5	305	8	
0.8	919	—0.6	0.00	90	3.6	307	9	

H	B	t	γ	U	q	d	V	W
0.97	900	—1.3		88	3.3	305	9	
1.0	896	—1.5	0.45	88	3.3	304	9	
1.42	850	—2.7		81	3.0	305	9	
1.5	841	—2.9	0.28	80	2.8	307	9	
1.89	800	—3.9		74	2.6	299	10	
2.0	790	—4.3	0.28	72	2.4	295	10	
2.5	741	—5.9	0.32	65	2.0	293	12	273
2.95	700	—7.8		59	1.7	297	16	
3.0	695	—8.1	0.44	59	1.7	298	17	
4.0	611	—12.0	0.39	54	1.2	300	17	
4.13	600	—12.6		53	1.2	302	17	
5.0	536	—17.4	0.54	52	0.8	305	16	
5.52	500	—20.4		52	0.6	308	14	
6.0	468	—23.5	0.61	52	0.5	309	10	306
7.0	407	—30.2	0.67	52		302	12	
7.12	400	—30.9		52		299	12	
8.0	353	—36.0	0.58	52				
8.96	305	—43.8	0.81					287

20.8 1330 φ=78°49′ λ=195°37′

10/10 St (44), △°

0.0	017	—0.8		87	3.0	315	4	
0.13	000	—1.1		86	3.0	312	5	

H	B	t	γ	U	q	d	V	W
0.2	991	—1.5	0.35	86	2.9	315	6	
0.5	954	—3.6	0.70	85	2.6			
0.65	937	—4.5	0.60	84	2.4			
0.97	900	—1.5	—0.94	83	3.1			
1.0	897	—1.5		81	3.1			
1.4	853	—1.5	0.00	67	2.7			
1.43	850	—1.6		67	2.7			
1.5	842	—1.9	0.40	65	2.4			
1.72	819	—3.0	0.50	62	2.2			
1.9	800	—3.0		58	2.1			
2.0	790	—3.0	0.00	57	2.2			
2.2	770	—3.0	0.00	54	2.1			
2.5	742	—3.6	0.20	50	1.9			
2.95	700	—4.8		44	1.6			
3.0	695	—5.0	0.28	43	1.5			311
4.0	612	—9.4	0.44	35	1.0			
4.16	600	—10.6						
5.0	537	—16.3	0.69					
5.55	500	—20.0						
6.0	470	—23.2	0.69					287
7.0	409	—29.6	0.64					
7.17	400	—30.5						

H	B	t	γ	U	q	d	V	W
8.0	355	—35.5	0.59					
9.0	307	—43.0	0.75					338
9.17	300	—44.3						
9.54	284	—45.9	0.54					
10.0	264	—45.9	0.00					
10.94	229	—45.9	0.00					
11.0	227	—45.7						310
11.86	200	—43.6						
12.0	196	—43.2	—0.25					
13.0	169	—42.4	—0.08					
14.0	146	—41.7	—0.07					284
15.0	127	—41.5	—0.02					
16.0	110	—41.5	0.00					
16.57	100	—41.4						
17.0	94	—41.1	—0.04					280
18.0	81	—40.4	—0.07					
19.0	70	—39.8	—0.06					
20.0	60	—39.3	—0.05					
21.0	52	—38.7	—0.06					
21.25	50	—38.6						285
21.4	49	—38.5	—0.05					

21.8 0130 φ=78°50′ λ=195°25′

10/10 St (51)

H	B	t	γ	U	q	d	V	W
0.0	020	—1.4			91	3.0	338	1
0.16	000	—2.0	0.35		91	2.9	333	5
0.2	993	—2.1			90	3.0	333	6
0.5	957	—3.7		0.55	90	2.6		
0.58	947	—4.2	0.55	0.00	90	2.6		
1.0	900	—4.2	0.00		89	2.7		
1.45	850	—4.2			88	2.8		
1.5	844	—4.2	0.00		88	2.9		
1.6	834	—4.2	0.00		88	2.9		
1.8	813	—2.8	—0.70		79	2.9		
1.92	800	—2.8		0.00	78	2.8		
2.0	792	—2.8	0.00	0.00	77	2.9		
2.25	767	—2.8	0.56		77	3.0		
2.5	744	—4.2		0.80	75	2.8		
2.97	700	—8.0	0.80	0.85	74	2.1		
3.0	697	—8.2	0.85	0.00	73	2.0		
3.2	679	—9.9	0.00	0.37	72	1.7		
3.7	637	—9.9	0.37		70	1.8		
4.0	613	—11.0			69	1.7		
4.16	600	—11.9			68	1.6		300

H	B	t	γ	U	q	d	V	W
5.0	536	—17.4	0.64	60	1.0			
5.51	500	—20.4		59	0.7			270
6.0	469	—24.0	0.66	58	0.5			
7.0	408	—30.5	0.65	56				
7.15	400	—31.5		55				
8.0	354	—37.5	0.70	53				255
9.0	306	—43.1	0.56	53				
9.15	300	—43.7						
9.44	286	—45.1	0.45					
10.0	264	—45.1	0.00					
11.0	227	—45.1	0.00					275
11.16	222	—45.1	0.00					
11.85	200	—43.5						
12.0	195	—43.4	—0.20					
13.0	168	—43.2	—0.02					263
14.0	145	—42.9	—0.03					
15.0	126	—42.6	—0.03					
16.0	110	—42.4	—0.02					255
16.6	100	—42.2						
17.0	94	—42.1	—0.03					
18.0	81	—41.6	—0.05					
19.0	70	—41.0	—0.06					255
20.0	60	—40.4	—0.06					
21.0	51	—40.4	0.00					
21.1	50	—40.4						
21.27	48	—40.4	0.00					257

21.8 1345 $\varphi = 78°51'$ $\lambda = 195°22'$

10/10 St (36), ⛆

0.0	022	—1.8		89	2.8	158	2
0.16	000	—2.5		91	2.8	176	3
0.2	995	—2.8	0.50	91	2.7	179	3
0.5	959	—4.7		94	2.5		
0.55	952	—5.0	0.63	96	2.5		
0.77	927	—5.0	0.00	96	2.6		
0.94	908	—3.4	—0.94	96	3.0		
1.01	900	—3.4		94	3.0		
1.36	862	—3.4	0.00	87	2.9		
1.47	850	—3.0		84	2.9		
1.5	846	—2.7	—0.50	83	3.1		
1.65	830	—1.8	—0.60	80	3.1		
1.94	800	—1.8	0.00	79	3.2		
2.0	794	—2.2		79	3.2		
2.5	745	—4.6	0.50	78	2.7		
2.99	700	—6.9	0.47	76	2.3		

H	B	t	γ	U	q	d	V	W
4.0	614	—13.2	0.62	74	1.6			
4.17	600	—13.6		73	1.5			
5.0	537	—16.6	0.34	71	1.2			
5.56	500	—20.6		70	0.8			
6.0	471	—24.0	0.74	69	0.6			305
7.0	410	—29.2	0.52	65	0.5			
7.18	400	—30.8		64				
8.0	355	—35.2	0.60	61				
9.0	307	—42.6	0.74					331
9.15	300	—43.5						
9.87	269	—47.5	0.56					
10.0	264	—47.5	0.00					
10.52	244	—47.5	0.00					
11.0	228	—45.6	—0.40					
11.89	200	—43.6						293
12.0	196	—43.4	—0.22					
13.0	169	—42.3	—0.11					
14.0	146	—41.8	—0.05					
15.0	126	—41.4	—0.04					278
16.0	108	—40.9	—0.05					
16.51	100	—40.7						
17.0	93	—40.4	—0.05					270
18.0	82	—39.3	—0.11					

22.8 0145 $\varphi = 78°51'$ $\lambda = 195°20'$

10/9 Fs (25), Ac

0.0	024	—3.8		87	2.3	135	3
0.17	000	—4.4		87	2.3		
0.2	997	—4.5	0.35	87	2.3		
0.4	971	—5.6	0.55	86	2.2		
0.5	959	—5.4	—0.20	85	2.1		
0.9	912	—2.5	—0.73	78	2.6		
1.01	900	—2.5	0.00	75	2.6		
1.24	874	—2.5	0.00	70	2.5		
1.46	850	—3.3		67	2.3		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.5	846	—3.5	0.38	67	2.3			
1.62	833	—4.0	0.42	67	2.2			
1.95	800	—4.0		65	2.3			
2.0	794	—4.0	0.00	64	2.2			
2.14	780	—4.0	0.00	63	2.3			
2.5	745	—5.2	0.33	60	2.0			
3.0	700	—7.0	0.36	59	1.8			296
4.0	614	—11.2	0.42	57	1.4			
4.17	600	—12.1		56	1.3			
5.0	538	—17.7	0.65	55	0.8			
5.57	500	—22.4		54	0.5			
5.91	477	—24.8	0.78	53	0.4			
6.0	471	—25.1		53	0.4			295
6.52	439	—26.4	0.26	52	0.4			
7.0	410	—29.4	0.63	51	0.3			
7.17	400	—30.3						
7.32	391	—31.2	0.56					292

22.8 1344 φ = 78°52′ λ = 195°18′

10/10 Fs (34), ⛆°

0.0	023	—2.1		88	2.8	135	4	
0.19	000	—3.3	0.63	85	2.5			
0.5	961	—6.1	0.90	82	2.0			

H	B	t	γ	U	q	d	V	W
0.7	936	—8.0	0.95	80	1.7			
1.01	900	—6.1	—0.61	78	2.0			
1.45	850	—4.8		69	2.1			
1.5	845	—4.7	—0.29	68	2.1			
1.85	808	—3.3	—0.40	64	2.2			
1.93	800	—3.3		63	2.2			
2.0	793	—3.3	0.00	62	2.3			
2.2	773	—3.3	0.00	60	2.2			
2.5	745	—4.8	0.50	58	2.0			
2.98	700	—6.6	0.37	55	[illegible]			294
4.0	614	—12.0	0.53	52	[illegible]			
4.17	600	—13.4		51	[illegible]			
5.0	538	—17.5	0.55					
5.54	500	—19.5						
6.0	468	—22.4	0.49					309
7.0	409	—29.0	0.65					
7.19	400	—30.0						
8.0	355	—35.7	0.67					
9.0	306	—44.4	0.87					
9.14	300	—49.0						
10.0	264	—50.7	0.63					
10.2	257	—51.4	0.35					329

Продолж. приложений

H	B	t	γ	U	q	d	V	W

23.8 1401 φ = 78°58′ λ = 195°15′

9/8 Fs, (17) Cc

0.0	026	—3.6		93	2.6	135	8	
0.2	000	—5.0	0.70	88	2.3			
0.42	972	—0.7	—1.96	83	3.1			
0.5	962	—0.7		80	3.0			
1.0	905	—0.7	0.00	62	2.5			
1.04	900	—0.7		61	2.5			
1.5	850	—0.7	0.00	48	2.1			
1.98	800	—0.7		44	2.0			
2.04	794	—0.7	0.00	44	2.0			207
2.5	749	—3.3	0.57	40	1.5			
3.0	703	—5.2	0.38	39	1.4			
3.04	700	—5.4						
4.0	618	—10.1	0.49					204
4.23	600	—11.4						
5.0	541	—15.9	0.58					
5.59	500	—19.3						
6.0	474	—22.0	0.61					214
6.1	467	—22.6	0.60					
6.93	418	—24.2	0.19					
7.0	414	—24.7						

H	B	t	γ	U	q	d	V	W
7.25	400	—26.4						
8.0	360	—31.1	0.64					221
9.0	310	—39.0	0.79					
9.26	300	—40.7						
10.0	268	—45.8	0.68					
10.87	235	—52.7	0.79					220
11.0	231	—52.7	0.00					
11.93	200	—52.7	0.00					
12.0	197	—52.2						186
13.0	169	—47.9	—0.45					
14.0	145	—46.8	—0.11					
14.6	132	—45.3	—0.25					162

24.8 0106 φ = 79°10′ λ = 195°10′

10;7 Fs (30), Ac

0.0	026	—1.3		86	2.8	135	10	
0.14	009	—1.4	0.07	85	2.8			
0.21	000	—1.4		84	2.9			
0.35	982	—1.4	0.00	81	2.7			
0.5	963	0.1	—1.00	77	3.1			
1.0	906	0.1	0.00	58	2.4			
1.05	900	0.1		57	2.4			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.51	850	0.1	0.00	46	2.1			
1.7	830	0.1	0.00	45	2.1			
2.0	800	—0.7	0.27	34	1.6			
2.5	750	—3.1	0.48	34	1.4			
3.0	704	—5.0	0.38	34	1.2			
3.04	700	—5.2		34	1.2			
3.63	650	—9.1	0.65	34	1.0			363
4.0	620	—10.0	0.24	34	0.9			
4.25	600	—10.4		34	0.9			
4.54	578	—10.8	0.15	34	0.9			
5.0	544	—12.7	0.41	59	1.4			
5.64	500	—16.5		68	1.2			
6.0	476	—17.7	0.50	68	1.2			
7.0	416	—23.5	0.58	68	0.7			400
7.28	400	—24.9		68	0.7			
8.0	363	—30.6	0.71	68				
9.0	314	—37.9	0.73	68				
9.33	300	—40.4		68				
10.0	272	—45.0	0.71	67				308
11.0	233	—52.2	0.72	65				
11.5	217	—56.2	0.80	64				
12.0	200	—54.7	—0.30	62				
13.0	172	—50.1	—0.46	60				257
14.0	147	—48.8	—0.13	57				
15.0	127	—48.2	—0.06	53				
16.0	110	—47.5	—0.07	51				244
16.67	100	—46.7		51				
17.0	95	—46.4	—0.11	51				
18.0	81	—45.1	—0.13	51				276
19.0	71	—44.4	—0.07					
20.0	60	—44.4	0.00					
20.43	56	—44.4	0.00					311

25.8 0151 φ = 79°17′ λ = 194°40′

10,6 Fs (67), Ac

H	B	t	γ	U	q	d	V	W
0.0	028	—2.8		98		135	10	
0.22	000	—1.7	—0.50					
0.4	978	1.4	—1.72					
0.5	966	1.4	0.00					
1.0	908	1.4	0.00					
1.07	900	1.4						
1.34	870	1.4	0.00					
1.52	850	0.8						
1.94	807	—0.1	0.25					
2.0	800	—0.1						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.5	752	—0.1	0.00					
2.71	732	—0.1	0.00					
3.0	707	—0.8	0.24					311
3.07	700	—1.2						
4.0	623	—5.2	0.44					
4.29	600	—7.7						
5.0	548	—10.3	0.51					
5.69	500	—13.7						
6.0	481	—15.6	0.53					316
7.0	421	—21.6	0.60					
7.37	400	—24.2						
8.0	366	—29.4	0.78					
9.0	317	—34.0	0.46					288
9.41	300	—36.0						
10.0	275	—40.4	0.64					
11.0	237	—48.0	0.76					
11.72	213	—53.5	0.76					
12.0	203	—53.5	0.00					242
12.13	200	—53.5						
12.5	189	—53.5	0.00					
13.0	175	—51.8	—0.34					
14.0	150	—50.5	—0.13					242
15.0	129	—48.9	—0.16					
16.0	111	—47.7	—0.12					
16.65	100	—47.0						
17.0	95	—46.7	—0.10					238

25.8 1420 φ = 79°19′ λ = 194°50′

10/0 Cc, Ac

H	B	t	γ	U	q	d	V	W
0.0	030	—0.5		78	2.8	135	6	
0.2	005	0.3	—0.40	73	2.8	158	15	
0.23	000	0.5		72	2.9	159	15	
0.4	980	2.1	—0.90	67	3.0	166	17	
0.5	967	2.1	0.00	60	2.7	168	18	
1.0	909	2.1	0.00	40	1.9	161	13	
1.07	900	2.1		39	1.9	159	13	
1.15	892	2.1	0.00	38	1.9	158	14	
1.5	854	0.5	0.46	33	1.6	161	13	
1.54	850	0.4		32	1.5	161	13	
2.0	803	0.0	0.10	25	1.2	168	12	
2.04	800	—0.1		25	1.0	168	12	
2.5	754	—0.6	0.12	21	1.0	176	13	
3.0	708	—1.9	0.26	18	0.8	171	13	342
3.09	700	—2.2				169	12	
4.0	624	—5.4	0.70			170	11	

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Продолж. приложения

H	B	t	τ	U	q	d	V	W
4.31	600	—7.1				174	10	
5.0	548	—11.0	0.56			174	10	
5.7	500	—14.7				184	10	
6.0	480	—16.2	0.52			191	10	375
7.0	420	—22.2	0.60					
7.35	400	—25.4						
8.0	365	—29.7	0.75					
9.0	318	—35.7	0.60					
9.4	300	—38.3						303
10.0	274	—43.6	0.79					
11.0	237	—50.0	0.64					
11.4	224	—52.2	0.55					
12.0	205	—52.2	0.00					280
12.17	200	—52.2						
12.22	198	—52.2	0.00					
13.0	176	—50.9	—0.17					
14.0	150	—49.2	—0.17					
15.0	128	—48.0	—0.12					
15.84	113	—47.1	—0.11					279

26.8 0158 φ = 79°23′ λ = 194°47′

3/0 Cc

0.0	032	—4.2		90	2.4	135	6	
0.2	006	—1.8	—1.20	87	2.9	163	13	
0.24	000	—0.8		87	3.0	164	13	
0.3	991	0.3	—2.10	86	3.4	164	14	
0.5	967	0.3	0.00	80	3.3	163	17	
1.0	910	0.3	0.00	66	2.8	161	17	
1.09	900	0.3		64	2.8	160	16	
1.5	856	0.3	0.00	54	2.5	160	17	
1.55	850	0.3		43	2.0	160	17	
1.64	841	0.3	0.00	50	2.4	161	17	
1.86	818	2.0	—0.77	45	2.4	160	16	
2.0	804	2.0	0.00			151	15	
2.03	800	2.0				152	15	
2.26	777	2.0	0.00			148	14	
2.5	755	0.8	0.50			147	12	
3.0	710	—2.1	0.58			147	13	330
3.1	700	—2.8				147	13	
4.0	624	—6.3	0.42			136	13	
4.31	600	—7.4				132	12	
5.0	548	—11.6	0.53					
5.7	500	—14.4						313
6.0	480	—15.9	0.43					
7.0	421	—22.6	0.67					
7.36	400	—25.3						

Продолж. приложения

H	B	t	τ	U	q	d	V	W
8.0	366	—29.3	0.67					
9.0	318	—34.4	0.51					
9.4	300	—37.5						
10.0	274	—42.1	0.77					
10.63	250	—46.5	0.70					334

26.8 1400 φ = 79°26′ λ = 194°43′

2/0 Ci, Cc

0.0	030	—2.0		91	2.8	112	3	
0.2	005	—0.9	—0.55	85	3.0	121	7	
0.23	000	—0.8		84	2.9	122	8	
0.33	988	—0.4	—0.38	80	3.0	127	8	
0.5	968	—0.4	0.00	74	2.8	138	7	
1.0	911	—0.4	0.00	63	2.5	140	8	
1.09	900	—0.4		62	2.5	140	8	
1.5	855	—0.4	0.00	57	2.5	145	8	
1.55	850	—0.4		56	2.4	145	8	
1.97	806	—0.4	0.00	52	2.3	141	8	
2.0	803	—0.5		51	2.3	140	8	
2.03	800	—0.6		51	2.3	140	8	
2.5	753	—1.7	0.25	46	2.1	142	8	
3.0	708	—3.5	0.36	45	1.8	144	9	304
3.09	700	—3.9		45	1.7	145	9	
4.0	623	—8.2	0.47	45	1.4	144	7	
4.3	600	—9.3		45	1.3	136	7	
5.0	548	—12.2	0.40	45	1.1	104	5	
5.69	500	—15.6		45	0.9	080	4	
6.0	479	—17.3	0.51	45	0.8	085	4	295
7.0	419	—23.8	0.65	45	0.5	058	6	
7.35	400	—25.7				061	5	
8.0	365	—28.6	0.48			067	5	
9.0	316	—34.0	0.54			069	4	275
9.38	300	—36.3				053	3	
10.0	274	—40.1	0.61			050	5	
11.0	237	—46.6	0.65			033	8	
12.0	203	—53.0	0.64			028	7	275
12.11	200	—53.8				027	7	
12.23	196	—54.6	0.70			027	6	
12.61	185	—54.6	0.00			033	5	
13.0	175	—52.6	—0.51			062	4	240
14.0	150	—50.4	—0.22			112	3	
15.0	129	—49.0	—0.14			127	3	
16.0	111	—47.7	—0.13			129	4	263
16.72	100	—47.0				131	3	
17.0	96	—46.7	—0.10			127	3	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.0	83	—45.6	—0.11			116	5	289
19.0	71	—44.1	—0.15			133	4	
20.0	61	—43.4	—0.07			145	2	
21.0	52	—42.7	—0.07			119	3	
21.23	50	—42.0				112	3	
22.0	45	—42.0	—0.07			116	3	287

27.8 0144 φ = 79°28′ λ = 194°30′

1/0 Ac

0.0	028	—4.0		91	2.5	090	6	
0.21	000	—3.0	—0.48	83	2.5	100	11	
0.5	963	0.5	—1.21	70	2.9	102	13	
1.0	907	0.5	0.00	52	2.2	098	18	
1.06	900	0.5		52	2.3	098	18	
1.44	859	0.5	0.00	52	2.3	093	16	
1.52	850	0.2		52	2.3	093	16	
2.0	800	—1.6	0.38	52	2.2	095	14	
2.5	751	—3.3	0.34	52	2.0	094	14	
3.0	705	—5.0	0.34	60	2.2	094	10	312
3.06	700	—5.2		60	2.2	094	10	
4.0	621	—9.4	0.44	60	1.7	083	13	
4.26	600	—11.2		60	1.5	079	14	
5.0	545	—15.3	0.59	59	1.1	083	13	
5.63	500	—18.3		53	0.8	079	14	
6.0	476	—20.4	0.51	45	0.6	075	14	312
7.0	416	—27.0	0.66	45	0.4	078	19	
7.27	400	—28.2		45	0.3	077	18	
8.0	361	—33.3	0.63	45		074	18	
9.0	312	—40.5	0.72	45		061	18	
9.28	300	—42.6		45		055	19	
9.86	274	—46.6	0.71					354

27.8 1322 φ = 79°29′ λ = 194°24′

10/10 Fs

0.0	027	—5.4		87	2.1	090	4	
0.21	000	—2.7	—1.29	83	2.6	130	9	
0.34	983	—1.0	—1.31	80	2.9	131	8	
0.5	963	—1.0	0.00	76	2.8	136	9	
1.0	905	—1.0	0.00	53	2.1	135	8	
1.05	900	—1.0		53	2.1	134	8	
1.5	850	—1.0		51	2.1			
1.56	843	—1.0	0.00	50	2.1			
1.98	800	—2.7	0.40	48	1.9			
2.5	748	—4.8	0.40	47	1.6			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.02	700	—7.6	0.54	43	1.2			229
4.0	617	—11.2	0.37	37	0.9			206
4.22	600	—11.9		36	0.8			
5.0	541	—15.8	0.46	34	0.6			
5.6	500	—19.7		31	0.4			201
6.0	473	—22.3	0.65	30	0.3			
7.0	413	—28.1	0.58					
7.22	400	—29.6						
8.0	358	—34.9	0.68					220
9.0	310	—41.5	0.66					
9.22	300	—43.0						
10.0	266	—47.8						
10.08	263	—48.4	0.64					220
11.0	229	—48.4	0.00					
11.18	223	—48.4	0.00					
11.92	200	—46.7						192
12.0	197	—46.6	—0.22					
13.0	170	—46.3	—0.03					200
14.0	146	—46.0	—0.03					
15.0	126	—45.7	—0.03					
16.0	108	—45.4	—0.03					204
16.54	100	—45.2						
17.0	93	—44.9	—0.05					

28.8 0156 φ=79°29′ λ=194°55′

7/0 Ci, Cc

0.0	023	—5.4		76	1.8	068	7	
0.19	000	—3.0	—1.26	69	2.1	088	14	
0.5	961	1.0	—1.29	53	2.3	089	16	
0.6	949	1.5	—0.50	51	2.3	089	16	
1.02	900	0.1	0.33	46	1.9	084	16	
1.48	850	—1.1	0.26	46	1.9	069	15	
1.96	800	—2.9		46	1.7	067	16	
2.0	795	—3.0	0.37	46	1.8	066	16	
2.5	747	—5.0	0.40	46	1.6	067	14	
3.02	700	—7.0	0.38	46	1.4	081	12	324
4.0	617	—10.8	0.39	41	1.0	099	12	
4.21	600	—11.6		39	0.9	105	13	
5.0	540	—14.0	0.32	36	0.8	104	10	
5.58	500	—16.3		36	0.6	103	8	
6.0	473	—18.2	0.42	36	0.6	107	7	
7.0	413	—23.8	0.56	36	0.4	124	10	338
7.23	400	—25.1		36	0.4			
8.0	359	—30.3	0.65	36				
9.0	312	—38.0	0.77	36				

Продолж. приложения

H	B	t	τ	U	q	d	V	W
9.26	300	—39.9		36				
10.0	269	—46.8	0.88	36				
10.62	244	—52.7	0.95					358

28.8 1409 φ = 79°28′ λ = 193°40′

8/0 Ci, Cc

0.0	016	— 2.1		78	2.5	045	10	
0.12	000	— 2.0		76	2.4	—	—	
0.2	990	— 1.9	—0.10	76	2.5	—	—	
0.5	952	0.0	—0.63	76	3.0	076	17	
0.6	940	1.1	—1.10	76	3.3	078	17	
0.95	900	1.1		68	3.5	075	18	
1.0	895	1.1	0.00	65	3.0	075	17	
1.41	850	1.1		56	2.7	082	15	
1.5	840	1.1	0.00	55	2.7	085	16	
1.91	800	— 1.1		54	2.7	088	15	
2.0	790	— 1.5	0.52	53	2.3	088	15	
2.5	742	— 4.2	0.54	52	1.9	082	17	
2.96	700	— 6.0		51	1.7	085	19	
3.0	696	— 6.1	0.38	51	1.7	086	19	341
4.0	612	—10.3	0.42	49	1.3	087	16	
4.15	600	—10.9		48	1.2	086	16	
5.0	536	—14.0	0.37	47	1.0	085	15	
5.53	500	—16.2		47	0.9	084	16	
6.0	469	—18.6	0.46	46	0.7	085	18	306
6.38	447	—20.2	0.42	46	0.7	085	20	
6.6	434	—20.2	0.00	46	0.7	083	20	
7.0	410	—22.6	0.60	45	0.5	081	20	
7.19	400	—23.7		45	0.5	079	27	
8.0	357	—27.9	0.53	45	0.4	080	16	
9.0	311	—35.0	0.71	44		088	18	305
9.24	300	—36.5		44		099	18	
10.0	267	—40.8	0.58	43		089	19	
11.0	230	—48.4	0.76	42		086	19	
11.66	209	—53.1	0.71	41		086	20	
11.95	200	—53.1	0.00	41				
12.0	198	—52.7		41				317
13.0	170	—47.0	—0.58	41				
14.0	147	—46.0	—0.10					
15.0	127	—44.5	—0.15					
16.0	109	—42.8	—0.17					346
16.6	100	—42.5						
17.0	94	—42.4	—0.04					
18.0	82	—42.0	—0.04					
19.0	71	—41.7	—0.03					400

Продолж. приложения

H	B	t	τ	U	q	d	V	W
20.0	61	—41.3	—0.04					
21.0	52	—40.1	—0.12					
21.25	50	—40.1						
22.0	45	—40.1	0.00					
22.4	42	—40.1	0.00					410

30.8 0135 φ = 79°26′ λ 192°50′

1̇0/10 St, ⚹

0.0	006	—0.5		94	3.4	022	4	
0.05	000	—0.6		94	3.5			
0.2	981	—1.6	0.55	94	3.0			
0.36	962	—2.4	0.50	94	3.0			
0.5	945	—2.4		94	3.1			
0.54	941	—2.4	—0.00	94	3.1			
0.90	900	—0.8	0.44	65	2.5			
1.0	887	—0.8	0.00	62	2.5			
1.34	850	—0.8		57	2.3			
1.5	834	—0.8	0.00	57	2.4			
1.74	809	—0.8	0.00	57	2.5			
1.83	800	—1.3		57	2.4			
2.0	783	—2.3	0.58	57	2.3			206
2.5	734	—4.0	0.34	68	2.6			
2.88	700	— 6.6		80	2.6			
3.0	688	— 7.5	0.70	81	2.3			
3.62	636	—11.7	0.68	84	1.8			
4.0	606	—12.6	0.24	86	1.9			
4.07	600	—12.7		87	1.9			
5.0	531	—14.5	0.19	93	2.0			249
5.14	521	—14.8	0.21	94	1.9			
5.46	500	—16.1		94	1.8			
6.0	465	—18.8	0.47	76	1.2			
7.0	406	—25.5	0.67	66	0.6			231
7.1	400	—26.5		66	0.6			
8.0	352	—33.3	0.78	65				
9.0	305	—41.6	0.83	64				214
9.12	300	—42.3		64				
10.0	263	—48.4	0.68	62				
10.96	227	—52.9	0.47	62				
11.0	226	—52.9		61				184
11.5	209	—52.9	0.00	60				
11.78	200	—50.1		59				
12.0	194	—48.9	—0.80	59				147
13.0	166	—46.4	—0.25	58				
14.0	144	—45.1	—0.13	57				
15.0	122	—44.3	—0.08					150

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Продолж. приложения

30.8 1435 $\varphi = 79°24'$ $\lambda = 192°40'$

10/10 St (26)

H	B	t	γ	U	q	d	V	W
0.0	007	— 3.6		92	2.7	022	6	
0.05	000	— 3.8		93	2.5			
0.2	981	— 4.6	0.50	95	2.6			
0.46	950	— 4.6	0.00	95	2.7			
0.5	946	— 4.3		95	2.7			
0.8	911	— 1.8	—0.82	81	2.8			
0.9	900	— 1.8		80	2.9			
1.0	889	— 1.8	0.00	79	2.8			
1.36	850	— 1.8		74	2.8			
1.5	835	— 1.8	0.00	72	2.8			
1.84	800	— 1.8		65	2.6			
1.96	787	— 1.8	0.00	62	2.5			
2.0	783	— 1.9		61	2.6			
2.5	735	— 3.6	0 33	51	2.0			247
2.89	700	— 6.1		51	1.7			
3.0	689	— 7.2	0.72	51	1.6			
4.0	607	—11.4	0.42	51	1.2			
4.09	600	—11.9		51	1.2			223
5.0	532	—15.7	0.43	51	1.0			
5.47	500	—18.0		51	0.8			
6.0	466	—21.1	0.54	51	0.7			
7.0	407	—26.0	0.49	51	0.5			214
7.12	400	—26.6		51	0.5			
8.0	353	—31.4	0.54	51				
9.0	306	—38.2	0.68	50				213
9.14	300	—39.2		50				
10.0	264	—45.1	0.69	49				
11.0	227	—50.8	0.57	48				203
11.27	218	—51.5	0.26	48				
11.85	200	—47.8		47				
12.0	195	—46.4	—0.70	47				
13.0	168	—43.6	—0.28	46				190
14.0	145	—42.8	—0.08	45				
15.0	126	—41.8	—0.10	44				226
16.0	108	—41.0	—0.08	44				
16.5	100	—41.0		44				
17.0	93	—41.0	0.00	44				231
18.0	81	—41.0	0.00	44				
19.0	70	—41.0	0.00	44				
20.0	60	—41.0	0.00					
21.0	52	—41.0	0.00					232

Продолж. приложения

31.8 0200 $\varphi = 79°21'$ $\lambda = 192°20'$

10/10 St, ☆

H	B	t	γ	U	q	d	V	W
0.0	009	— 3.2		90	2.6	360	8	
0.06	000	— 3.8		92	2.5			
0.2	982	— 4.9		93	2.4			
0.28	973	— 5.3	0.75	94	2.4			
0.5	945	— 5.3	0.00	97	2.4			
0.91	900	— 5.3		100	2.7			
1.0	889	— 5.3	0.00	100	2.7			
1.35	850	— 5.3		99	2.8			
1.5	835	— 5.3	0.00	98	2.8			
1.84	800	— 5.3		96	2.9			
2.0	783	— 5.3		95	3.0			
2.06	777	— 5.3	0.00	95	3.0			
2.5	735	— 7.2	0.43	92	2.7			
2.89	700	— 8.8		90	2.2			
3.0	689	— 9.3	0.42	89	2.2			
3.76	624	—14.2	0.64	87	1.6			
4.0	604	—14.2	0.00	86	1.4			352
4.05	600	—14.2		74	1.4			
4.38	574	—14.2	0.00	64	1.3			
5.0	520	—16.8	0.42	58	0.9			
5.42	500	—19.0		54	0.8			
6.0	463	—22.0	0.52	47	0.6			
7.0	404	—27.9	0.59	47	0.3			333
7.07	400	—28.3		47	0.3			
8.0	351	—34.6	0.67	47				
9.0	303	—43.4	0.88	46				
9.08	300	—44.1		46				
10.0	261	—51.5	0.81	42				325
10.59	238	—54.7	0.54	40				
10.9	228	—54.7	0.00	40				
11.0	224	—52.8	—1.90	40				
11.73	200	—48.1						
12.0	192	—47.0	—0.58					285
13.0	165	—45.6	—0.14					
14.0	142	—44.6	—0.10					
15.0	122	—44.4	—0.02					
16.0	106	—44.4	0.00					
16.32	100	—44.4						273
17.0	91	—44.4	0.00					

1.9 1335 $\varphi = 79°16'$ $\lambda = 191°30'$

1/0 Ci

0.0	014	—5.1		90	2.2	360	8	
0.11	000	—6.1		89	2.0	351	10	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.2	989	— 6.2	0.55	88	2.0	356	11	
0.5	952	— 6.7	0.17	86	2.0	355	11	
0.94	900	— 7.3		81	1.9	356	11	
1.0	892	— 7.4	0.14	81	1.9	355	11	
1.22	868	— 7.4	0.00	78	1.8	353	11	
1.39	850	— 7.8		75	1.7	353	11	
1.5	837	— 8.0	0.21	74	1.7	353	12	
1.85	800	— 9.2		68	1.5	353	14	
2.0	784	— 9.8	0.36	67	1.4	353	15	
2.5	735	—12.6	0.56	66	1.2	343	13	
2.88	700	—14.6		64	1.0	346	14	
3.0	689	—15.3	0.54	63	0.9	345	13	304
4.0	603	—19.4	0.41	58	0.6	333	9	
4.03	600	—19.6		58	0.6	333	9	
5.0	526	—24.4	0.50	48	0.4	330	9	197
5.37	500	—27.2				332	10	
6.0	458	—31.3	0.69			323	10	
6.95	400	—37.6				318	12	
7.0	397	—38.0	0.67			317	12	188
8.0	343	—43.6	0.56			323	14	
8.78	306	—47.3	0.47					
8.9	300	—47.3						
9.0	296	—47.3	0.00					200
9.88	259	—47.3	0.00					
10.0	254	—46.4	—0.75					
11.0	219	—42.2	—0.42					
11.61	200	—42.0	—0.03					205
12.0	189	—42.0	0.00					
13.0	162	—42.0	0.00					
13.4	153	—42.0	0.00					208

2.9 1405 $\varphi = 79°13'$ $\lambda = 191°41'$
10/10 St (38), $\Delta°$

H	B	t	γ	U	q	d	V	W
0.0	012	—2.1		94	3.0	292	7	
0.1	000	—2.7		94	2.9			
0.2	987	—3.2	0.55	94	2.8			
0.5	951	—4.4	0.40	93	2.6			
0.65	932	—4.7	0.20	93	2.6			
0.93	900	—5.0		93	2.6			
1.0	892	—5.1	0.11	93	2.6			
1.38	850	—5.7		93	2.6			
1.5	837	—6.0	0.18	93	2.6			
1.7	815	—6.3	0.15	92	2.5			
1.85	800	—6.8		92	2.5			
2.0	784	—7.6	0.43	92	2.4			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.5	736	—11.0	0.68	89	1.8			
2.88	700	—11.0		86	1.8			
3.0	689	—11.0	0.00	86	1.9			
3.3	663	—11.0	0.00	83	1.9			
4.0	604	—14.8	0.54	79	1.3			353
4.05	600	—15.1		79	1.3			
5.0	529	—20.8	0 60	75	0.8			
5.42	500	—23.3		73	0.7			
6.0	461	—27.8	0.70	71	0.4			
7.01	400	—34.7	0.68	67				321
8.0	345	—42.3	0.77	64				
8.96	300	—48.3		61				
9.0	298	—48.5	0.62	61				
9.28	286	—50.3	0.64	60				
10.0	257	—50.3	0.00	57				282
10.14	251	—50.3	0.00	57				
11.0	220	—44.6	—0.66	54				
11.64	200	—43.0		52				
12.0	189	—42.3	—0.23	51				242
13.0	163	—41.4	—0.09	47				
14.0	140	—40.7	—0.07	44				248
15.0	121	—40.3	—0.04					
16.0	105	—40.3	0.00					
16.3	100	—40.3						
17.0	90	—40.3	0.00					256
18.0	78	—40.3	0.00					
19.0	67	—40.3	0.00					
20.0	58	—40.3	0.00					272
21.0	50	—40.3	0.00					
21.66	46	—40.3	0.00					274

3.9 1430 $\varphi = 79°07'$ $\lambda = 192°00'$
10/10 St (8)

H	B	t	γ	U	q	d	V	W
0.0	009	—1.4		99	3.3	292	8	
0.08	000	—1.5		(98)	3.2			
0.15	992	—1.8	0.27	(98)	3.3			
0.2	985	—1.8		(96)	3.2			
0.5	949	—1.8	0.00	(91)	3.1			
0.91	900	—0.4	—0.34	(82)	3.4			
1.0	889	—0.4		(81)	3.3			
1.37	850	—0.4		(74)	3.2			
1.5	836	—0.4	0.00	(72)	3.2			
1.85	800	—0.4		58	2.7			
2.0	785	—0.4	0.00	58	2.7			
2.5	737	—2.8	0.48	58	2.4			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.91	700	— 5.2		58	2.1			
3.0	691	— 6.3	0.70	57	1.8			326
4.0	607	—12.4	0.61	57	1.2			
4.1	600	—13.0		57	1.2			
5.0	531	—18.6	0.62	56	0.8			
5.47	500	—21.3		56	0.6			
6.0	466	—23.8	0.52	56	0.5			332
7.0	404	—31.3	0.75	55				
7.08	400	—31.9		55				
8.0	348	—38.0	0.67	55				
9.0	300	—44.9	0.69	54				311
10.0	260	—51.1	0.62	54				
10.76	231	—56.4	0.70	53				
11.0	223	—56.4	0.00	53				
11.2	216	—56.4	0.00	53				
11.7	200	—52.4		52				
12.0	191	—50.4	—0.75	52				270
13.0	165	—47.0	—0.34	52				
14.0	141	—45.8	—0.12	51				
15.0	122	—44.8	—0.10	50				307
16.0	105	—43.6	—0.12	50				
16.36	100	—43.2		50				
17.0	91	—42.6	—0.10	50				
18.0	78	—41.8	—0.08					332
19.0	67	—41.5	—0.03					
20.0	58	—41.2	—0.03					
21.0	50	—40.9	—0.03					
22.0	42	—40.6	—0.03					332

4.9 1346 φ = 79°05′ λ = 192°10′

10/10 St (30), ⛆°

0.0	010	—2.0		91	2.9	270	5	
0.08	000	—2.3		93	2.9			
0.2	985	—2.8	0.40	96	2.9			
0.5	949	—4.2		100	2.9			
0.56	942	—4.6	0.50	99	2.8			
0.78	917	—4.6	0.00	90	2.6			
0.93	900	—3.4		82	2.6			
1.0	892	—3.0	—0.73	78	2.6			
1.38	850	—2.1		67	2.6			
1.5	837	—2.0	—0.20	64	2.5			
1.86	800	—3.6		57	2.1			
2.0	785	—3.9	0.38	56	2.0			
2.5	737	—5.4	0.30	55	1.8			
2.89	700	—7.6		54	1.6			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.0	690	— 8.5	0.62	54	1.5			328
4.0	606	—15.8	0.73	51	0.8			
4.07	600	—16.8		51	0.7			
4.54	564	—20.2	0.81	50	0.6			
5.0	530	—20.2	0.00	49	0.6			
5.12	522	—20.2	0.00	49	0.6			
5.43	500	—21.4		48	0.5			
6.0	462	—24.0	0.43	47	0.5			
7.0	403	—30.5	0.65	46				360
7.06	400	—31.0		46				
8.0	350	—37.6	0.71	46				
9.0	302	—44.2	0.66	45				
9.05	300	—44.6		45				
10.0	260	—50.5	0.63	38				345
10.44	243	—53.7	0.73					
11.0	223	—53.7	0.00					
11.34	212	—53.7	0.00					
11.7	200	—50.9						
12.0	191	—49.0	—0.71					
13.0	164	—45.3	—0.37					310
14.0	141	—44.2	—0.11					
15.0	122	—43.3	—0.09					
16.0	105	—42.5	—0.08					
16.31	100	—42.3						
17.0	90	—41.8	—0.07					332
18.0	78	—41.1	—0.07					
18.37	74	—40.9	—0.05					
19.0	68	—40.9	0.00					
20.0	58	—40.9	0.00					388
21.0	50	—40.9	0.00					
22.0	43	—40.9	0.00					
23.0	38	—40.9	0.00					397
23.46	36	—40.9	0.00					

5.9 1401 φ = 78°59′ λ = 192°30′

10/10 St (21), ⛆

0.0	015	— 7.6		89	1.8	022	3	
0.12	000	— 7.8		89	1.7			
0.2	939	— 8.2	0.30	89	1.8			
0.5	952	—10.5	0.77	89	1.4			
0.85	910	— 9.1	—0.40	89	1.8			
0.94	900	— 9.1		89	1.8			
1.0	893	— 9.1		89	1.8			
1.08	883	— 9.1	0.00	89	1.8			
1.37	850	— 9.8		75	1.4			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.5	835	—10.2	0.26	70	1.4			
1.83	800	—11.0		60	1.1			
2.0	782	—11.6	0.28	57	1.0			
2.5	734	—13.3	0.34	51	0.8			
2.86	700	—15.4		48	0.7			
3.0	687	—16.2	0.58	47	0.7			340
4.02	600	—20.4	0.41	41	0.4			
5.0	524	—25.0	0.47	37	0.3			
5.35	500	—27.6		36	0.2			
6.0	456	—32.2	0.72	36				265
6.92	400	—38.8		35				
7.0	395	—39.6	0.74	35				
8.0	340	—45.7	0.61	33				235
8.35	323	—47.2	0.43	33				
8.87	300	—47.2		32				
9.0	294	—47.2	0.00	32				
9.28	281	—47.2	0.00	32				
10.0	252	—44.9	—0.32	31				
11.0	218	—42.9	—0.20	30				230
11.54	200	—42.5		29				
12.0	187	—42.2	—0.07	28				
13.0	161	—41.6		27				232
13.04	160	—41.5	—0.07	27				

H	B	t	γ	U	q	d	V	W
14.0	139	—41.5	0.00	26				
15.0	119	—41.5	0.00	26				245
16.0	102	—41.5	0.00	26				
16.12	100	—41.5		26				
17.0	88	—41.5	0.00	26				
18.0	77	—41.5	0.00	26				274
19.0	68	—41.5	0.00	26				
20.0	58	—41.5	0.00					276

6.9 1330 φ - 78°57′ λ = 192°42′

9/0 Ac (208)

0.0	013	—7.2		90	1.9	292	7
0.09	000	—7.4		90	1.8	280	10
0.2	987	—7.4	0.10	90	1.9	310	12
0.5	949	—6.4	—0.33	90	2.0	320	10
0.7	925	—5.9	—0.25	89	2.2	321	10
0.92	900	—5.9		88	2.3	323	10
1.0	890	—5.9	0.00	88	2.3	323	10
1.3	857	—5.9	0.00	84	2.3	324	10
1.36	850	—6.3		80	2.1		
1.5	835	—6.9	0.50	76	2.0		
1.83	800	—8.4		70	1.6		
2.0	783	—9.5	0.52	67	1.5		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.4	744	—11.7	0.55	61	1.2			
2.5	735	—12.1	0.40	63	1.1			
2.87	700	—13.9		73	1.2			
3.0	688	—14.8	0.54	76	1.1			362
3.1	679	—15.3	0.50	77	1.2			
4.01	600	—20.0	0.52	76	0.8			
5.0	524	—26.5	0.66	70	0.5			
5.34	500	—28.8		68	0.3			
6.0	455	—32.0	0.55	67				
6.92	400	—37.8		65				371
7.0	395	—38.2	0.62	64				
8.0	341	—45.0	0.68	62				
8.82	300	—50.5		61				
9.0	292	—51.5	0.65	60				
9.2	283	—52.4	0.45	60				
9.85	256	—52.4	0.00	59				290
10.0	251	—50.7	—1.13	59				
11.0	216	—46.3	—0.44	58				
11.51	200	—44.9		56				
12.0	186	—44.2	—0.21	56				264
13.0	159	—43.4	—0.08	55				
14.0	138	—42.7	—0.07	54				282
15.0	119	—42.1	—0.06	53				

H	B	t	γ	U	q	d	V	W
16.0	102	—41.5	—0.06	51				
16.15	100	—41.4		50				
17.0	89	—40.9	—0.06	49				
18.0	77	—40.2	—0.07	47				
19.0	66	—39.6	—0.06	45				
19.96	57	—38.0	—0.17					289

7.9 1321 φ = 78°53′ λ = 193°02′

7/2 Ci, Cc, Sc

0.0	011	—4.6		91	2.4	225	4
0.09	000	—4.8		91	2.4	259	8
0.2	985	—5.0	0.20	90	2.3	261	8
0.5	948	—5.7	0.23	87	2.2	272	13
0.8	913	—7.2	0.50	83	1.9	253	12
0.91	900	—7.2		81	1.9	250	14
1.0	890	—7.2	0.00	80	1.9	249	15
1.33	854	—7.2	0.00	77	1.9	252	12
1.37	850	—7.4		76	1.8	253	11
1.5	835	—8.3		75	1.6	244	8
1.56	829	—8.6	0.61	74	1.6	237	7
1.83	800	—8.6		72	1.7	217	5
2.0	782	—8.6	0.00	70	1.7	216	5

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.4	743	— 8.6	0.00	55	1.4	235	5	
2.5	733	— 9.0	0.40	52	1.2	238	5	256
2.86	700	—10.8		52	1.1	244	6	
3.0	687	—11.8	0.56	52	1.0	245	6	
4.0	602	—17.6	0.58	61	0.9	250	8	
4.03	600	—17.8		61	0.8	250	8	
5.0	525	—23.8	0.62	61	0.5	224	5	211
5.35	500	—25.7		61	0.5	235	5	
6.0	458	—28.8	0.50	61	0.4	258	3	
6.95	400	—35.0		60		272	4	
7.0	397	—35.4	0.66	60		273	4	209
8.0	344	—42.3	0.69	58		273	5	
8.9	300	—48.1		56				
9.0	295	—48.6	0.63	56				210
9.88	258	—52.2	0.41	54				
10.0	254	—52.2		54				
10.06	251	—52.2	0.00	54				
11.0	219	—45.1	—0.75	52				211
11.58	200	—43.4		•				
12.0	188	—42.8	—0.23		•			
13.0	162	—41.8	—0.10					204
14.0	140	—41.2	—0.06					
15.0	121	—40.6	—0.06					203
16.0	104	—39.9	—0.07					
16.28	100	—39.7						203
17.0	90	—39.2						
17.07	89	—39.1	—0.07					
18.0	79	—39.1	0.00					204
18.64	72	—39.1	0.00					

8.9 1343 φ = 78°53′ λ = 193°12′

10/10 St, ✳

0.0	005	— 3.4		90	2.5	202	7	
0.03	000	— 3.6		91	2.6			
0.2	978	— 4.6	0.60	95	2.6			
0.5	941	— 6.2	0.53	95	2.4			
0.86	900	— 7.5		95	2.2			
1.0	883	— 8.2	0.40	95	2.1			
1.3	850	— 9.7		94	1.9			
1.5	829	—10.8	0.52	93	1.7			
1.77	800	—11.8		91	1.5			
2.0	776	—12.7	0.38	90	1.5			
2.5	727	—14.7	0.40	86	1.3			
2.79	700	—15.8		84	1.2			
3.0	680	—17.0	0.46	83	1.1			329

Продолж. приложения

H	B	t	γ	U	q	d	V	W
3.94	600	—22.5		78	0.7			
4.0	595	—23 0	0.60	77	0.6			
5.0	519	—29.2	0.62	72	0.4			
5.25	500	—30.6		71				
6.0	450	—34.4	0.52	65				282
6.81	400	—38.9		59				
7.0	389	—39.8	0.54	59				
8.0	335	—45.2	0.54	57				
8.6	306	—47.6	0.40	55				
8.75	300	—47.6		55				251
9.0	289	—47.6	0.00	54				
9.3	276	—47.6	0.00	54				
10.0	249	—43.4	—0.60	52				231
11.0	214	—40.2	—0.32	48				
11.2	208	—40.1	—0.05	48				
11.49	200	—40.1		47				
12.0	185	—40.1	0.00	46				238
13.0	160	—40.1	0.00					
14.0	138	—40.1	0.00					
15.0	120	—40.1	0.00					233
16.0	103	—40.1	0.00					
16.22	100	—40.1						
17.0	89	—40.1	0.00					
18.0	78	—40.1	0.00					234
19.0	67	—40.1	0.00					
20.0	57	—40.1	0.00					239
20.7	51	—40.1	0.00					

9.9 1330 φ = 78°53′ λ = 193°56′

9/0 Ci

0.0	002	—11.6		180	1			
0.02	000	—11.8		—	—			
0.2	976	—12.6	0.50	211	4			
0.5	937	—12.6	0.00	203	4			
0.81	900	—12.6		202	5			
1.0	877	—12.6	0.00	203	5			
1.24	850	—12.6		215	3			
1.3	844	—12.6	0.00	220	3			
1.5	823	—13.5	0.45	219	3			
1.72	800	—14.4		195	4			
2.0	770	—16.0	0.50	199	6			
2.5	720	—18.0	0.40	206	9			
2.71	700	—19.1		207	10			
3.0	673	—21.4	0.68	204	11			313
3.84	600	—26.5		198	14			
4.0	587	—27.4	0.60	198	14			

Продолж. приложения

H	B	t	τ	U	q	d	V	W
5.0	510	—33.6	0.62					
5.13	500	—33.7						322
6.0	442	—39.5	0.59					
6.68	400	—42.9						
7.0	381	—44.6	0.51					
7.82	337	—49.4	0.59					
8.0	327	—49.1	—0.17					
8.58	300	—47.6						300
9.0	282	—45.7	—0.34					
10.0	243	—41.4	—0.43					
11.0	209	—41.4	0.00					
11.3	200	—41.4						298
12.0	180	—41.4	0.00					
13.0	155	—41.4	0.00					
14.0	133	—41.4	0.00					
15.0	115	—41.4	0.00					290
16.0	100	—41.4	0.00					
17.0	86	—41.4	0.00					
18.0	74	—41.4	0.00					328
19.0	64	—41.4	0.00					
20.0	54	—41.4	0.00					
20.55	50	—41.4						
21.0	47	—41.4	0.00					328

10.9 1340 φ = 78°57′, λ = 194°04′

10/10 Fs (34) ☆°

H	B	t	τ	U	q	d	V	W
0.0	000	—3.5						
0.2	974	—4.6	0.55			158	6	
0.5	938	—6.1	0.50			171	11	
0.82	900	—7.7						
1.0	879	—8.6	0.50					
1.26	850	—10.3						
1.5	824	—11.8	0.64					
1.6	813	—12.7	0.90					
1.72	800	—12.7						
2.0	771	—12.7						
2.06	766	—12.7	0.00					
2.5	723	—14.3	0.36					
2.75	700	—15.4						311
3.0	676	—16.6	0.46					
3.89	600	—21.7						
4.0	591	—22.2	0.56					
5.0	516	—28.1	0.59					
5.22	500	—29.2						
6.0	448	—34.0	0.59					295
6.79	400	—38.0						

Продолж. приложения

H	B	t	τ	U	q	d	V	W
7.0	388	—39.1	0.51					
8.0	335	—45.2	0.61					242
8.74	300	—48.2	0.41					
9.0	288	—47.2	—0.38					
10.0	248	—41.8	—0.54					
10.46	232	—40.5	—0.28					213
11.0	214	—40.5	0.00					
11.45	200	—40.5						
12.0	184	—40.5	0.00					231
13.0	159	—40.5	0.00					
14.0	138	—40.5	0.00					235
15.0	119	—40.5	0.00					
16.0	103	—40.5	0.00					
16.2	100	—40.5						236
17.0	89	—40.5	0.00					
18.0	78	—40.5	0.00					233
19.0	66	—40.5	0.00					
20.0	57	—40.5	0.00					
21.0	50	—40.5	0.00					238
21.19	49	—40.5	0.00					

11.9 1342 φ = 79°00′ λ = 194°06′

10/10 Sc (63)

H	B	t	τ	U	q	d	V	W
0.0	005	—11.7			85	1.2		
0.04	000	—11.8			85	1.2	—	
0.2	979	—12.2	0.25		85	1.2	262	3
0.5	942	—14.1	0.63		85	1.0	264	5
0.75	911	—15.6	0.60		85	0.9		
0.85	900	—14.4			86	1.0		
1.0	882	—13.3	—0.92		86	1.2		
1.12	869	—12.7	—0.50		83	1.2		
1.28	850	—13.0			80	1.2		
1.5	826	—13.8	0.29		72	1.0		
1.73	800	—15.0			62	0.8		
2.0	772	—16.6	0.56					261
2.5	722	—19.2	0.52					
2.73	700	—20.2						
3.0	674	—21.8	0.52					
3.87	600	—26.7						
4.0	589	—27.3	0.55					
5.0	512	—31.8	0.45					258
5.17	500	—32.5						

Продолж. приложения

H	B	t	γ	U	q	d	V	W
6.0	444	—37.0	0.52					
6.71	400	—41.8						
7.0	383	—43.6	0.66					269
8.0	330	—47.6	0.40					
8.38	311	—48.6	0.26					
8.64	300	—48.6						
8.74	295	—48.6	0.00					
9.0	284	—47.2	—0.54					
10.0	245	—42.2	—0.50					234
10.42	230	—41.2	—0.24					
11.0	210	—41.2	0.00					
11.36	200	—41.2						
12.0	182	—41.2	0.00					
13.0	156	—41.2	0.00					230
14.0	135	—41.2	0.00					
15.0	117	—41.2	0.00					246
16.0	101	—41.2	0.00					
16.04	100	—41.2						
17.0	86	—41.2	0.00					
18.0	76	—41.2	0.00					
18.42	71	—41.2	0.00					244

13.9 1346 φ = 79°05′ λ = 194°20′

H	B	t	γ	U	q	d	V	W
			°/₀					
0.0	002	—10.2					225	5
0.01	000	—10.2					—	—
0.2	977	—10.3	0.05				233	10
0.45	946	—11.7	0.56				233	10
0.5	940	—11.7					232	11
0.64	923	—11.7	0.00				231	11
0.83	900	—12.8					227	11
1.0	880	—13.6	0.53				219	12
1.27	850	—14.3					209	12
1.5	824	—15.1	0.30				205	12
1.72	800	—15.3					202	12
2.0	770	—18.0	0.58				205	12
2.5	721	—21.1	0.62				204	13
2.72	700	—21.7					203	15
3.0	674	—23.2	0.42				196	13 320
3.84	600	—27.0					193	15
4.0	587	—27.6	0.44				193	16
5.0	510	—32.8	0.52				189	19
5.14	500	—33.6					188	19

Продолж. приложения

H	B	t	γ	U	q	d	V	W
6.0	442	—39.4	0.66					
6.4	417	—41.7	0.58			188	21	332

15.9 1430 φ = 78°58′ λ = 196°00′

10/10 Fs (11)

H	B	t	γ	U	q	d	V	W
0.0	024	—8.0						
0.18	000	—8.4	0.22			95	292	8
0.5	960	—	—					
1.0	900	—	—					
1.45	850	—						
1.5	844	—	—					
1.91	800	—						
2.0	789	—12.9	—					259
2.5	739	—16.1	0.64					
2.91	700	—19.1						
3.0	691	—20.3	0.84					
4.0	604	—26.8	0.65					
4.05	600	—27.2						
5.0	525	—34.1	0.73					305
5.35	500	—36.7						
6.0	454	—41.8	0.77					
6.85	400	—46.4						

H	B	t	γ	U	q	d	V	W
7.0	391	—47.2	0.54					
8.0	335	—50.6	0.34					276
8.35	319	—50.6	0.00					
8.75	300	—48.5						
9.0	289	—47.9	—0.42					
10.0	247	—45.8	—0.21					
11.0	211	—44.8	—0.10					202
11.18	205	—44.7	—0.06					

16.9 1342 φ = 78°57′, λ = 196°14′

H	B	t	γ	U	q	d	V	W
			°/₀					
0.0	030	— 9.7					270	1
0.16	009	— 9.7	0.00				—	—
0.2	003	— 8.1	—4.00				—	—
0.23	000	— 8.1					—	—
0.5	964	— 8.1	0.00				304	4
1.0	905	— 8.1					288	5
1.04	900	— 8.1	0.00				287	5
1.5	850	—10.2	0.46				257	4
1.96	800	—11.6					254	6
2.0	795	—11.8	0.32				256	6
2.5	745	—14.8	0.60				258	6

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B		γ	U	q	d	V	W
2.97	700	—17.3				269	6		16.13	100	—46.1						
3.0	697	—17.4	0.52			270	6		16.75	91	—45.6	—0.08					
4.0	610	—21.0	0.36			280	8		17.0	88	—45.6	0.00					
4.12	600	—21.6				282	9		17.47	82	—45.6	0.00					196
5.0	532	—26.1	0.51					211									
5.45	500	—27.9							17.9 1437 φ = 78°57′ λ = 196°13′								
6.0	463	—31.1	0.50						10/10 Sc								
7.02	400	—37.4	0.62					224	0.0	025	—6.4		92	2.0	135	4	
8.0	346	—44.7	0.75						0.2	000	—6.4	0.00	92	2.0	—	—	
8.95	300	—50.3							0.5	961	—6.4	0.00	91	2.1	160	6	
9.0	297	—50.6	0.59					220	1.02	900	—6.4	0.00	90	2.2	174	4	
9.46	277	—54.1	0.76						1.46	850	—6.4		89	2.3	190	3	
10.0	255	—54.1	0.00						1.5	846	—6.4		89	2.3	191	3	
10.47	237	—54.1	0.00						1.58	838	—6.4	0.00	89	2.3	193	2	
11.0	219	—51.6	—0.47					217	1.93	800	—7.7		88	2.2	202	2	
11.57	200	—50.0							2.0	793	—8.0	0.38	88	2.2	206	2	
12.0	188	—48.9	—0.27						2.5	743	—10.4	0.48	86	1.8			
13.0	161	—47.8	—0.11					213	2.96	700	—12.6		84	1.6			
13.52	149	—47.3	—0.10						3.0	696	—12.8	0.48	84	1.5			327
14.0	138	—47.3	0.00						4.0	610	—16.5	0.37	80	1.2			
14.7	125	—47.3	0.00						4.12	600	—17.0		79	1.1			
15.0	119	—47.0	—0.10					196	5.0	533	—21.9	0.54	77	0.8			
16.0	103	—46.2	—0.08														

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
5.47	500	—25.9		75	0.5			323	21.0	48	—46.6	0.00					288
6.0	465	—30.3	0.84	74					22.0	41	—46.6	0.00					
7.0	403	—35.7		71					18.9 1411 φ = 79°03′ λ = 196°20′								
7.06	400	—36.1	0.54	71					0/0 =								
8.0	348	—42.9	0.72	70				291	0.0	018	—10.0					135	2
8.99	300	—51.0	0.82						0.13	000	—9.6					147	4
9.77	266	—55.9	0.63						0.2	991	—9.2	—0.40				139	4
10.0	257	—55.9	0.00						0.5	955	—6.3	—0.97				161	2
10.68	232	—55.9	0.00						0.97	900	—6.3					178	2
11.0	220	—53.6	—0.72						1.0	895	—6.3	0.00				183	2
11.62	200	—51.0						258	1.41	850	—6.9					159	2
12.0	188	—50.4	—0.32						1.5	840	—7.1	0.16				152	2
13.0	161	—48.8	—0.16						1.87	800	—8.5					127	3
14.0	139	—47.9	—0.09					253	2.0	786	—9.3	0.44				117	3
15.0	119	—47.4	—0.05						2.2	766	—10.5	0.60				079	1
16.0	102	—47.0	—0.04						2.5	738	—11.0	0.17				004	2
16.12	100	—46.9							2.9	700	—11.8					320	1
16.9	89	—46.6	—0.04					275	3.0	690	—12.1	0.22				317	2
17.0	88	—46.6	0.00						3.33	661	—13.3	0.36				309	3
18.0	76	—45.6	0.00						4.0	605	—18.3	0.75				292	5
19.0	65	—46.6	0.00					288	4.07	600	—18.6					289	4
20.0	56	—46.6	0.00														
20.78	50	—46.6															

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.97	700	—17.3				269	6	
3.0	697	—17.4	0.52			270	6	
4.0	610	—21.0	0.36			280	8	
4.12	600	—21.6				282	9	
5.0	532	—26.1	0.51					211
5.45	500	—27.9						
6.0	463	—31.1	0.50					
7.02	400	—37.4	0.62					224
8.0	346	—44.7	0.75					
8.95	300	—50.3						
9.0	297	—50.6	0.59					220
9.46	277	—54.1	0.76					
10.0	255	—54.1	0.00					
10.47	237	—54.1	0.00					
11.0	219	—51.6	—0.47					217
11.57	200	—50.0						
12.0	188	—48.9	—0.27					
13.0	161	—47.8	—0.11					213
13.52	149	—47.3	—0.10					
14.0	138	—47.3	0.00					
14.7	125	—47.3	0.00					
15.0	119	—47.0	—0.10					196
16.0	103	—46.2	—0.08					
16.13	100	—46.1						
16.75	91	—45.6	—0.08					
17.0	88	—45.6	0.00					
17.47	82	—45.6	0.00					196

17.9 1437 φ = 78°57′ λ = 196°13′

10/10 Sc

0.0	025	—6.4		92	2.0	135	4	
0.2	000	—6.4	0.00	92	2.0	—	—	
0.5	961	—6.4	0.00	91	2.1	160	6	
1.02	900	—6.4	0.00	90	2.2	174	4	
1.46	850	—6.4		89	2.3	190	3	
1.5	846	—6.4		89	2.3	191	3	
1.58	838	—6.4	0.00	89	2.3	193	2	
1.93	800	—7.7		88	2.2	202	2	
2.0	793	—8.0	0.38	88	2.2	206	2	
2.5	743	—10.4	0.48	86	1.8			
2.96	700	—12.6		84	1.6			
3.0	696	—12.8	0.48	84	1.5			327
4.0	610	—16.5	0.37	80	1.2			
4.12	600	—17.0		79	1.1			
5.0	533	—21.9	0.54	77	0.8			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
5.47	500	—25.9		75	0.5			
6.0	465	—30.3	0.84	74				323
7.0	403	—35.7		71				
7.06	400	—36.1	0.54	71				
8.0	348	—42.9	0.72	70				
8.99	300	—51.0	0.82					291
9.77	266	—55.9	0.63					
10.0	257	—55.9	0.00					
10.68	232	—55.9	0.00					
11.0	220	—53.6	—0.72					
11.62	200	—51.0						
12.0	188	—50.4	—0.32					258
13.0	161	—48.8	—0.16					
14.0	139	—47.9	—0.09					
15.0	119	—47.4	—0.05					253
16.0	102	—47.0	—0.04					
16.12	100	—46.9						
16.9	89	—46.6	—0.04					
17.0	88	—46.6	0.00					275
18.0	76	—46.6	0.00					
19.0	65	—46.6	0.00					288
20.0	56	—46.6	0.00					
20.78	50	—46.6						
21.0	48	—46.6	0.00					
22.0	41	—46.6	0.00					288

18.9 1411 φ = 79°03′ λ = 196°20′

0/0 =

0.0	018	—10.0				135	2	
0.13	000	—9.6				147	4	
0.2	991	—9.2	—0.40			139	4	
0.5	955	—6.3	—0.97			161	2	
0.97	900	—6.3				178	2	
1.0	895	—6.3	0.00			183	2	
1.41	850	—6.9				159	2	
1.5	840	—7.1	0.16			152	2	
1.87	800	—8.5				127	3	
2.0	786	—9.3	0.44			117	3	
2.2	766	—10.5	0.60			079	1	
2.5	738	—11.0	0.17			004	2	
2.9	700	—11.8				320	1	
3.0	690	—12.1	0.22			317	2	305
3.33	661	—13.3	0.36			309	3	
4.0	605	—18.3	0.75			292	5	
4.07	600	—18.6				289	4	

Продолж. приложения

H	B	t	γ	U	q	d	V	W
5.0	528	—24.2	0.59			280	7	·
5.39	500	—26.6				276	7	270
6.0	459	—30.0	0.58			280	8	
6.98	400	—36.0	0.61			291	12	
8.0	345	—43.4	0.73			304	19	267
8.93	300	—50.0				300	23	
9.0	296	—50.3	0.69			300	23	
9.87	259	—56.5	0.71			304	21	
10.0	254	—56.5	0.00			304	19	229
10.55	234	—56.5	0.00			296	17	
11.0	218	—54.0	—0.56			294	14	
11.55	200	—51.7				295	12	225
12.0	186	—50.6	—0.34			298	10	
13.0	159	—48.7	—0.19			288	10	
14.0	136	—48.0	—0.07			280	8	
15.0	118	—47.3	—0.07			295	6	257
16.0	102	—47.1	—0.02			291	6	
16.17	100	—47.1				290	6	
17.0	87	—47.1	0.00			289	5	
18.0	75	—47.1	0.00					296
19.0	64	—47.1	0.00					
20.0	55	—47.1	0.00					
20.5	50	—47.1						
21.0	47	—47.1	0.00					
22.0	40	—47.1	0.00					296

19.9 1350 φ = 79°03′ λ = 196°30′

10/10 Sc (88)

0 0	011	—4.4		92	2.4	248	3	
0.09	000	—4.4		93	2.4	—	—	
0.2	986	—4.4	0.00	96	2.5	264	5	
0.5	949	—4.4	0.00	96	2.7	261	4	
0.92	900	—4.4	0.00	96	2.8			
1.0	891	—4.6		96	2.8			
1.38	850	—6.0		96	2.6			
1.5	837	—6.8	0.41	96	2.4			
1.82	803	—8.5	0.53	96	2.2			
1.85	800	—8.5		96	2.2			
2.0	784	—8.5	0.00	87	2.1			
2.5	735	—9.5	0.20	76	1.8			
2.88	700	—10.9		76	1.6			
3.0	689	—11.3	0.36	76	1.6			311
4.0	604	—16.2	0.49	76	1.2			
4.05	600	—16.5		76	1.1			
5.0	528	—22.1	0.59	69	0.7			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
5.4	500	—22.1		65	0.7			
5.46	496	—22.1	0.00	64	0.7			
5.72	479	—23.4	0.50	55	0.6			
6.0	460	—25.3	0.68	55	0.4			298
7.0	400	—32.6	0.73	55				
8.0	347	—40.7	0.81	55				
8.82	307	—48.1	0.90					311

20.9 1429 φ = 79°05′ λ = 196°40′

10/10 Sc (55)

0.0	011	—6.0		83	1.9	225	3	
0.08	000	—6.3		83	1.8	239	5	
0.2	985	—6.7	0.35	84	1.9	241	7	
0.5	947	—8.6	0.63	85	1.7			
0.91	900	—11.1	0.61	86	1.5			
1.0	889	—11.1		86	1.5			
1.34	850	—11.1		86	1.6			
1.5	833	—11.1	0.00	86	1.6			
1.81	800	—11.8		86	1.6			
2.0	780	—12.2	0.22	86	1.5			
2.5	731	—14.0	0.35	77	1.2			
2.83	700	—15.2		69	1.0			
3.0	684	—15.8	0.36	68	1.0			253
3.98	600	—18.4		63	0.8			
4.0	598	—18.6	0.28	63	0.8			252
5.0	523	—24.0	0.54					
5.33	500	—26.3						
6.0	455	—30.6	0.66					
6.9	400	—38.2						
7.0	394	—39.4	0.88					241
8.0	339	—45.3	0.59					
8.85	300	—49.0						
9.0	293	—49.6	0.43					
9.15	286	—50.4	0.53					210
10.0	250	—50.4	0.00					
10.17	244	—50.4	0.00					
11.0	215	—47.3	—0.37					176
11.48	200	—46.4						
12.0	185	—45.7	—0.16					
13.0	160	—43.1	—0.25					205
14.0	138	—41.9	—0.12					
15.0	119	—41.9	0.00					223
16.0	102	—41.9	0.00					
16.1	100	—41.9						
17.0	88	—41.9	0.00					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
18.0	77	—41.9	0.00					261
19.0	66	—41.9	0.00					
20.0	57	—41.9	0.00					
20.2	55	—41.9	0.00					258

21.9 1409 φ = 79°03′ λ = 196°46′

10/6 Fs, Cs, As, ✳°

0.0	009	—9.9		85	1.4	158	1	
0.07	000	—9.9		85	1.4	—	—	
0.2	984	—10.0	0.05	85	1.4	151	3	
0.5	946	—10.1	0.03	85	1.4	138	1	
0.88	900	—10.3	0.05	85	1.4	—	0	
1.0	886	—10.9	0.50	84	1.4	—	0	
1.32	850	—12.6		84	1.3	—	0	
1.5	830	—13.4	0.50	84	1.2	—	0	
1.77	800	—14.8		84	1.1	—	1	
1.96	780	—15.7	0.50	84	1.1	194	3	
2.0	776	—15.8		84	1.0	191	3	
2.5	727	—16.5	0.15	83	1.0	161	5	
2.79	700	—16.9		83	1.0	189	5	
3.0	680	—17.3	0.16	83	1.0	200	6	335
3.94	600	—21.6		82	0.7	230	10	

H	B	t	γ	U	q	d	V	W
4.0	595	—22.2	0.49	82	0.7	230	10	
5.0	519	—28.9	0.67	79	0.4			
5.26	500	—30.6		78				
6.0	450	—34.2	0.53	76				288
6.82	400	—38.8		73				
7.0	389	—39.8	0.56	73				
8.0	335	—46.5	0.67	71				
8.74	300	—50.0	0.47	69				
9.0	288	—50.0	0.00	69				285
9.17	281	—50.0	0.00	69				
9.75	257	—48.4	—0.28	68				
10.0	248	—48.4		67				
10.09	244	—48.4	0.00	67				
11.0	213	—45.4	—0.33	65				229
11.42	200	—45.4		64				
12.0	184	—45.4	0.00	63				
13.0	158	—45.4	0.00	62				
14.0	136	—45.4	0.00					233
15.0	117	—45.4	0.00					
16.0	101	—45.4	0.00					236
16.05	100	—45.4						
17.0	87	—45.4	0.00					
18.0	75	—45.4	0.00					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
19.0	64	—45.4	0.00					255
20.0	55	—45.4	0.00					
20.66	50	—45.4						
21.0	48	—45.4	0.00					
21.68	43	—45.4	0.00					263

22.9 1355 φ = 79°02′ λ = 196°50′

10/0 Ac (223)

0.0	011	—10.0		98		360	3	
0.09	000	—10.5				032	6	
0.2	987	—10.8	0.40			038	7	
0.5	948	—11.4	0.20			029	6	
0.9	900	—12.6				015	6	
1.0	888	—12.9	0.30			013	6	
1.33	850	—14.3				007	6	
1.5	831	—15.1	0.44			004	6	
1.78	800	—16.4				006	5	
2.0	777	—17.5	0.48					
2.35	742	—20.0	0.71					
2.5	727	—20.3	0.20					
2.78	700	—20.7						

H	B	t	γ	U	q	d	V	W
3.0	679	—21.0	0.14					326
3.42	642	—21.7	0.17					
3.92	600	—24.7						
4.0	593	—25.1	0.59					
5.0	515	—32.6	0.75					
5.21	500	—34.2						
6.0	446	—39.9	0.73					304
6.76	400	—43.4						
7.0	385	—44.4	0.45					
7.78	344	—47.9	0.45					
8.0	332	—47.9	0.00					
8.68	300	—47.9						
9.0	286	—47.9	0.00					311
9.24	276	—47.9	0.00					
10.0	245	—45.6	—0.30					
10.34	233	—44.3	—0.38					
11.0	211	—44.3	0.00					
11.36	200	—44.3						
12.0	182	—44.3	0.00					274
13.0	157	—44.3	0.00					
14.0	136	—44.3	0.00					
15.0	117	—44.3	0.00					276
16.01	100	—44.3	0.00					

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
17.0	87	—44.3	0.00					
17.18	87	—44.3	0.00					279

24.9 1420 φ = 78°59′ λ = 197°00′

10/10 St (26), ⚹°

0.0	008	—8.2		95	1.8	338	6	
0.06	000	—8.5		95	1.8			
0.2	982	—8.8	0.30	94	1.7			
0.5	945	—9.6	0.27	93	1.7			
0.88	900	—11.1		92	1.6			
1.0	885	—11.6	0.40	92	1.5			
1.15	870	—13.0	0.93	92	1.3			
1.33	850	—13.0		91	1.4			
1.5	830	—13.0	0.00	91	1.4			
1.77	800	—13.0		88	1.4			
1.85	792	—13.0	0.00	89	1.4			
2.0	776	—13.8	0.53	88	1.3			
2.5	727	—17.3	0.70	86	0.9			
2.77	700	—17.9		85	0.9			
3.0	679	—18.4	0.22	84	0.9			345
3.11	669	—18.9	0.45	84	0.9			
3.93	600	—24.4		81	0.6			
4.0	594	—24.7	0.65	81	0.6			
5.0	517	—31.5	0.68	76				
5.23	500	—32.5		76				
6.0	446	—36.6	0.51	72				314
6.77	400	—41.5		68				
7.0	387	—43.1	0.65	68				
8.0	333	—48.2	0.51	66				
8.7	300	—48.2		64				236
9.0	287	—48.2	0.00	64				
9.3	274	—48.2	0.00	63				
10.0	247	—45.6	—0.37	63				
11.0	212	—44.2	—0.14	61				
11.39	200	—43.7		61				224
12.0	182	—43.7	—0.05	60				
13.0	157	—43.7	0.00	59				
14.0	135	—43.7	0.00					
15.0	116	—43.7	0.00					
15.24	112	—43.7	0.00					231

25.9 1352 φ = 78°58′ λ = 197°20′

10/10 Sc (28), ⚹°

0.0	007	—11.5		90	1.3	315	5
0.05	000	—11.7		91	1.3		

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.2	981	—12.2		97	1.4			
0.29	970	—12.6	0.38	100	1.4			
0.5	944	—12.6	0.00	100	1.4			
0.87	900	—8.8		96	1.9			
1.0	885	—8.4	—0.84	84	1.8			
1.26	856	—8.4	0.00	68	1.5			
1.32	850	—8.6		65	1.4			
1.5	829	—9.2	0.33	63	1.3			
1.78	800	—10.4		63	1.3			
2.0	777	—11.1	0.38	62	1.2			206
2.5	728	—13.7	0.52	62	1.0			
2.79	700	—15.1		61	0.9			
3.0	681	—16.1	0.48	61	0.9			
3.95	600	—21.5		60	0.5			
4.0	595	—21.7	0.56	60	0.5			182
5.0	519	—27.2	0.55	59	0.4			
5.27	500	—28.7						
6.0	451	—33.9	0.67					188
6.83	400	—38.4						
7.0	390	—39.5	0.56					
8.0	336	—46.1	0.66					199
8.77	300	—50.8						
9.0	289	—52.2	0.61					
9.54	266	—54.2	0.37					
9.77	257	—54.2	0.00					
10.0	248	—53.4	—0.35					206
11.0	213	—49.4	—0.40					
11.4	200	—48.2						
12.0	182	—47.7	—0.17					211
13.0	157	—47.1	—0.06					
13.92	136	—46.5	—0.07					
14.0	134	—46.5	0.00					212
15.0	116	—46.5	0.00					
15.98	100	—46.5	0.00					
16.78	88	—46.5	0.00					219

26.9 1407 φ = 78°56′ λ = 197°40′

10/10 St (29), ⚶

0.0	005	—9.0		91	1.6	225	9
0.05	000	—9.4		90	1.5		
0.2	980	—10.0	0.50	89	1.5		
0.5	943	—10.0	0.00	88	1.5		
0.86	900	—10.0		85	1.5		
1.0	884	—10.0	0.00	84	1.6		
1.3	850	—11.0		81	1.5		

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Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
1.5	828	—11.6	0.32	80	1.4				11.0	211	—50.6	—0.47					230
1.75	800	—12.4		80	1.3				11.38	200	—49.3						
2.0	774	—12.9	0.26	79	1.3				12.0	182	—47.9	—0.27					
2.45	730	—15.7	0.62	78	1.1				12.75	162	—46.8	—0.15					
2.5	726	—15.9		78	1.0				13.0	156	—46.8	0.00					220
2.77	700	—16.4		77	1.0				14.0	134	—46.8	0.00					
3.0	678	—16.9	0.22	77	1.0			346	15.0	115	—46.8	0.00					
3.16	664	—17.1	0.12	76	1.0				15.95	100	—46.8						
3.92	600	—22.8		74	0.6				16.0	99	—46.8	0.00					209
4.0	593	—23.6	0.77	74	0.6												
4.23	576	—25.8	0.96	73	0.4												
4.43	559	—25.8	0.00	72	0.4												
5.0	517	—27.6	0.32	70	0.4												
5.23	500	—28.9		68	0.3												
6.0	449	—32.4	0.48	61				282									
6.8	400	—37.8		58													
7.0	389	—39.0	0.66	58													
8.0	335	—45.8	0.68	55													
8.73	300	—50.1		53													
9.0	288	—51.4	0.56	52				231									
9.54	265	—54.3	0.54														
10.0	247	—54.3	0.00														
10.21	239	—54.3	0.00														

27.9 1407 φ = 78°55′ λ = 198°05′

10/10 Sc (36), ☆°

0.0	007	—4.5		95	2.5	225	7	
0.06	000	—4.6		95	2.5	243	11	
0.2	981	—6.1	0.80	95	2.8	234	10	
0.5	944	—7.2	0.37	95	2.2			
0.88	900	—8.6		94	2.0			
1.0	886	—9.0	0.36	94	1.9			
1.32	850	—9.5		94	1.9			
1.5	831	—9.8	0.16	94	1.9			
1.79	800	—10.2		94	1.9			
2.0	778	—10.6	0.16	94	1.9			
2.5	729	—11.7	0.22	93	1.9			

Продолж. приложения

H	B	t	γ	U	q	d	V	W	H	B	t	γ	U	q	d	V	W
2.8	700	—13.2		93	1.7			267									
3.0	682	—14.6	0.58	91	1.5												
3.96	600	—23.3		76	0.6												
4.0	596	—23.5	0.89	76	0.6												
5.0	520	—27.1	0.36	68	0.4			224									
5.28	500	—28.6		67	0.4												
6.0	452	—32.5	0.54	63													
6.86	400	—38.2		59													
7.0	392	—39.0	0.65	58				190									
8.0	337	—44.8	0.58	55													
8.77	300	—49.0		53													
9.0	290	—50.2	0.54	52				174									
10.0	248	—56.5															
10.09	244	—57.0	0.62														
10.73	221	—57.0	0.00														
11.0	212	—55.3	—0.63					176									
11.34	200	—53.3															
12.0	182	—51.0	—0.43					177									
13.0	156	—49.0	—0.20														
14.0	133	—47.7	—0.13					187									
15.0	114	—47.2	—0.05														
15.87	100	—46.8															
16.0	98	—46.6	—0.06					181									

28.9 1418 φ = 78°59′ λ = 197°59′

10/10 Ac (358)

0.0	012	—11.8		92	1.2	135	8	
0.08	000	—11.7		92	1.3	144	9	
0.2	985	—11.6	—0.10	92	1.3	182	12	
0.38	962	—10.1	—0.83	91	1.5	187	12	
0.5	948	—10.1	0.00	91	1.5	185	11	
0.9	900	—10.1	0.00	90	1.6	187	10	
1.0	889	—10.5	0.40	90	1.6	193	10	
1.34	850	—11.4		89	1.5	200	9	
1.5	832	—11.8	0.26	89	1.4	203	9	
1.8	800	—12.4		88	1.4	211	11	
2.0	779	—12.8	0.20	88	1.4	206	13	
2.14	765	—13.2	0.29	87	1.4	207	13	
2.5	730	—15.7	0.69	84	1.2	209	11	
2.81	700	—17.8		81	0.9	208	14	
3.0	682	—19.1	0.68	79	0.9	212	14	316
3.62	628	—24.0	0.79	73	0.5			
3.96	600	—24.5		69	0.5			
4.0	596	—24.6	0.16	69	0.5			
4.5	556	—25.6	0.20	62	0.4			
5.0	519	—28.2	0.52	57	0.3			

Продолж. приложения

H	B	t	τ	U	q	d	V	W	H	B	t	τ	U	q	d	V	W
5.27	500	—29.9		56	0.3				0.2	990	—7.5	—0.30	97	2.0			
6.0	452	—33.8	0.56	55				309	0.39	966	—5.8	—0.90	98	2.4			
6.86	400	—39.4		54					0.5	953	—	—	98	—			
7.0	392	—40.4	0.66	53					0.95	900	—		96	—			
8.0	337	—47.2	0.68	52					1.0	893	—	—	96	—			
8.76	300	—50.9							1.38	850	—10.6		94	1.7			
9.0	289	—51.6	0.44					265	1.5	837	—11.6	—	94	1.6			
9.5	268	—52.8	0.24						1.84	800	—13.4		92	1.4			
9.82	255	—52.8	0.00						2.0	783	—14.3	0.54	92	1.3			
10.0	248	—52.3	—0.28						2.5	734	—16.4	0.42	89	1.1			
11.0	213	—48.3	—0.40					245	2.86	700	—18.6		88	1.0			
11.4	200	—47.2							3.0	686	—19.4	0.60	87	0.9			293
12.0	183	—46.1	—0.22						3.99	600	—27.6	0.83	87	0.4			
13.0	157	—45.5	—0.06						4.12	589	—28.8	0.92	87	0.4			
14.0	135	—44.8	—0.07					247	4.34	572	—28.8	0.00	85	0.4			
14.2	131	—44.7	—0.05						4.91	528	—31.8	0.53	79				
15.0	116	—44.7	0.00						5.0	521	—32.1		77				
16.0	100	—44.7	0.00					255	5.3	500	—32.8		71				
									5.9	458	—34.7	0.29	61				
29.9 1438 φ = 79°03′, λ = 198°33′									6.0	452	—35.4	0.70	60				275
10/10 Ns, ⚹									6.84	400	—40.8		55				
									7.0	390	—42.0	0.66	54				
0.0	016	—1.8		94	1.8	158	5		8.0	336	—48.3	0.63	53				204
0.13	000	—7.8		96	1.8												

Продолж. приложения

H	B	t	τ	U	q	d	V	W	H	B	t	τ	U	q	d	V	W
8.75	300	—52.4		51					1.5	831	—16.0	0.46	79	0.9			
9.0	289	—53.2	0.49	51				193	1.78	800	—17.8		78	0.7			
9.12	284	—53.5	0.25	51					2.0	776	—19.0	0.60	78	0.7			
9.78	256	—53.5	0.00	49					2.5	727	—20.9	0.38	73	0.6			
10.0	247	—52.0	—0.68	49					2.78	700	—22.4		64	0.4			
11.0	212	—48.5	—0.35	48					3.0	679	—23.7	0.56	63	0.4			
11.39	200	—47.9		48					3.89	600	—30.6		60				388
12.0	182	—47.3	—0.12	48				204	4.0	590	—31.6	0.79	59				
12.15	178	—47.2	—0.07	48					5.0	512	—37.4	0.58	55				
13.0	156	—47.2	0.00	48					5.16	500	—38.2		54				
14.0	134	—47.2	0.00						6.0	442	—42.3	0.49	51				
14.26	129	—47.2	0.00					207	6.56	408	—45.0	0.48	50				
									6.69	400	—45.0		50				
30.9 1409 φ = 79°06′ λ = 199°00′									7.0	382	—45.0	0.00	48				312
10/10 Fs, ⚹°									7.84	337	—45.0	0.00	46				
									8.0	329	—44.7	—0.19	46				
0.0	011	—10.2		82	1.3	225	12		8.62	300	—43.3		44				
0.09	000	—10.3		82	1.3				9.0	283	—42.6	—0.21	42				
0.2	985	—10.6	0.20	81	1.3				10.0	245	—41.8	—0.08	40				285
0.5	947	—12.1	0.50	81	1.1				11.0	210	—41.8	0.00	37				
0.9	900	—13.4		80	1.0				11.35	200	—41.8		37				
1.0	887	—13.7	0.32	80	1.0				12.0	182	—41.8	0.00	35				
1.33	850	—15.1		79	0.9				13.0	157	—41.8	0.00	33				309

Продолж. приложения

H	B	t	γ	U	q	d	V	W
14.0	135	—42.2	0.04	32				
15.0	117	—43.1	0.09					
16.02	100	—43.4	0.03					
17.0	88	—43.4	0.00					
17.58	81	—43.4	0.00					319

1.10 1405 φ = 79°04′ λ = 199°30′

10/10 St (39)

0.0	020	—8.8		100	1.7	225	5	
0.15	000	—9.4		100	1.7			
0.2	993	—9.5	0.35	100	1.7			
0.5	955	—11.2	0.57	100	1.6			
0.96	900	—13.1		100	1.4			
1.0	895	—13.3	0.42	100	1.3			
1.4	850	—15.4		100	1.2			
1.5	838	—15.8	0.50	100	1.1			
1.84	800	—18.3		100	0.9			
2.0	783	—19.1	0.66	100	0.9			
2.5	734	—22.0	0.58	100	0.7			
2.84	700	—24.1		100	0.6			
2.94	691	—24.4	0.55	100	0.6			
3.0	685	—24.6		100	0.6			283
3.6	631	—25.8	0.21	100	0.6			
3.96	600	—27.8		91	0.5			
4.0	596	—28.0	0.55	90	0.4			
5.0	518	—32.8	0.48	78				236
5.24	500	—34.5		77				
6.0	447	—37.9	0.51	75				
6.77	400	—41.4		73				
7.0	387	—43.0	0.51	72				227
7.76	345	—46.7	0.49	70				
8.0	333	—47.3	0.25					
8.5	309	—48.2	0.18					
8.69	300	—48.2						
9.0	286	—48.2	0.00					
9.19	278	—48.2	0.00					
10.0	247	—45.7	—0.31					2.5
10.1	243	—45.1	—0.60					
11.0	212	—45.1	0.00					
11.39	200	—45.1						
12.0	182	—45.1	0.00					332
12.6	166	—45.1	0.00					
13.0	157	—45.2	0.02					
14.0	135	—45.7	0.05					236
15.0	115	—46.2	0.05					

Продолж. приложения

H	B	t	γ	U	q	d	V	W
16.0	100	—46.6	0.04					
16.31	96	—46.7	0.03					
17.0	86	—46.7	0.00					242
18.0	74	—46.7	0.00					
18.75	65	—46.7	0.00					239

2.10 1425 φ = 79°06′ λ = 199°48′

10/10 St, ✳

0.0	020	—10.2		94	1.5	248	4	
0.16	000	—10.4		94	1.5			
0.2	994	—10.4	0.10	94	1.5			
0.5	957	—10.7	0.10	94	1.5			
0.98	900	—11.0	0.06	94	1.6			
1.41	850	—11.4		93	1.6			
1.5	840	—11.6	0.12	93	1.6			
1.87	800	—12.0		93	1.6			
2.0	786	—12.3	0.14	93	1.6			
2.2	765	—12.5	0.10	93	1.6			
2.5	736	—13.8	0.43	93	1.4			
2.88	700	—16.0		92	1.3			
3.0	688	—16.7	0.58	92	1.2			326
4.02	600	—21.8	0.50	92	0.8			
4.13	591	—22.2	0.36	92	0.8			
5.0	525	—24.0	0.21	91	0.7			
5.37	500	—26.0		87	0.6			
6.0	458	—30.2	0.62	78				284
6.94	400	—36.4		74				
7.0	396	—36.7	0.65	74				
8.0	342	—45.1	0.84	71				
8.87	300	—51.2		69				
9.0	294	—52.0	0.69	69				291
10.0	252	—56.8	0.48	66				
10.3	240	—58.1	0.43	65				
10.67	227	—58.1	0.00	65				
11.0	215	—56.8	—0.39	64				206
11.45	200	—53.4		63				
11.87	188	—51.9	—0.56	62				
12.0	184	—51.9	0.00	62				
13.0	157	—51.9	0.00	59				191
14.0	135	—51.9	0.00					
15.0	116	—51.9	0.00					197
15.95	100	—51.9						
16.0	99	—51.9	0.00					197

Продолж. приложения

H	B	t	γ	U	q	d	V	W
			3.10 1402 φ = 79°09′ λ = 199°55′					
			7/1 Ac, Fs					
0.0	025	—12.8		100		135	1	
0.18	000	—12.2	—0.33			174	4	
0.5	959	—9.7	—0.78			163	4	
0.8	923	—7.4	—0.77			173	4	
1.0	900	—7.4				184	6	
1.04	895	—7.4	0.00			185	6	
1.45	850	—8.8				192	6	
1.5	844	—9.0	0.35			191	6	
1.91	800	—10.8						
2.0	790	—11.1	0.42					223
2.5	741	—13.6	0.50					
2.93	700	—16.3						
3.0	693	—16.7	0.62					
4.0	607	—20.3	0.36					204
4.09	600	—20.6						
5.0	530	—24.8	0.45					
5.42	500	—26.7						
6.0	460	—29.8	0.50					
7.01	400	—34.8	0.50					197
8.0	347	—40.8	0.61					205
8.98	300	—46.7	0.60					
9.9	260	—51.6	0.53					
10.0	256	—51.6	0.00					201
11.0	220	—51.6	0.00					
11.61	200	—51.6						
12.0	189	—51.6	0.00					198
13.0	162	—51.6	0.00					
14.0	138	—51.6	0.00					
15.0	118	—51.6	0.00					
15.24	114	—51.6	0.00					201
			5.10 1417 φ = 79°15′ λ = 200°10′					
			10/10 St (20), ❟					
0.0	020	—6.8		100	2.1	315	1	
0.15	000	—6.9		100	2.1			
0.2	994	—6.9	0.05	100	2.1			
0.5	957	—8.4	0.50	100	1.9			
0.98	900	—8.4	0.00	85	1.8			
1.18	877	—8.4	0.00	77	1.6			
1.42	850	—8.8		72	1.5			
1.5	842	—8.9	0.16	71	1.5			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.88	800	—9.7		67	1.4			
2.0	788	—10.0	0.22	67	1.4			
2.5	738	—12.7		67	1.2			235
2.57	731	—13.1	0.54	67	1.1			
2.91	700	—13.9		67	1.1			
3.0	691	—14.2	0.26	66	1.1			
3.18	675	—14.6	0.22	63	1.0			
4.0	606	—19.2	0.56	54	0.6			205
4.07	600	—19.7		54	0.6			
5.0	529	—25.7	0.65	48	0.3			
5.4	500	—28.2		46	0.3			
6.0	460	—32.2	0.65	43				187
6.97	400	—38.9						
7.0	398	—39.1	0.69					
8.0	344	—46.9	0.78					179
8.8	305	—52.2	0.66					
8.9	300	—52.2						
9.0	295	—52.2	0.00					
9.97	254	—52.2	0.00					
10.0	252	—52.1	—0.33					176
11.0	217	—50.5	—0.16					
11.15	212	—50.2	—0.20					
11.52	200	—50.2						
12.0	186	—50.2	0.00					174
13.0	159	—50.2	0.00					
13.79	141	—50.2	0.00					167
			6.10 1421 φ = 79°20′ λ = 200°20′					
			10/10 St (22), ☰$_s$					
0.0	025	—11.9		100	1.2	045	2	
0.18	000	—12.9	0.56	100	1.2			
0.34	980	—12.9	0.00	100	1.2			
0.46	964	—11.2	—1.42	100	1.6			
0.5	960	—11.2		100	1.6			
1.0	900	—11.2	0.00	97	1.7			
1.43	850	—11.2		94	1.7			
1.5	842	—11.2	0.00	93	1.7			
1.9	800	—11.2		90	1.7			
2.0	789	—11.2		89	1.7			
2.09	780	—11.2	0.00	89	1.7			
2.5	740	—13.4	0.54	86	1.4			
2.66	725	—14.5	0.69	85	1.3			
2.94	700	—14.5		83	1.3			
3.0	693	—14.5	0.00	82	1.3			292
3.16	680	—14.5	0.00	81	1.3			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
4.0	607	—19.2	0.56	74	0.9			
4.09	600	—19.9		73	0.8			
5.0	530	—25.4	0.62	63	0.4			
5.42	500	—27.8		63	0.4			
6.0	461	—31.1	0.57	63				290
6.99	400	—37.6	0.66	63				
8.0	343	—46.4	0.87					
8.12	337	—47.5	0.92					291

7.10 1413 φ = 79°22′ λ = 200°02′

10/10 Sc (145)

0.0	027	—14.2		100	1.1	135	2	
0.2	000	—13.6	—0.30	99	1.2	—	—	
0.5	962	—12.1	—0.50	98	1.4	144	7	
0.81	925	—10.0	—0.68	95	1.7	137	7	
1.01	900	—10.0	0.00	92	1.7	136	6	
1.46	850	—10.0		84	1.6			
1.5	845	—10.0	0.00	83	1.6			
1.92	800	—10.0		78	1.6			
2.0	791	—10.0	0.00	77	1.6			
2.16	775	—10.0	0.00	75	1.6			
2.5	741	—12.0	0.59	75	1.4			
2.94	700	—14.4						
3.0	694	—14.6	0.52					334
4.0	607	—19.0	0.44					
4.1	600	—19.7						
5.0	530	—24.0	0.50					
5.43	500	—26.9						
6.0	462	—30.1	0.61					
7.02	400	—37.6	0.74					361
8.0	345	—45.6	0.82					
8.52	329	—50.1	0.87					362

9.10 1416 φ = 79°30′ λ = 200°05′

10/10 Sc (32), ✳°

0.0	024	—13.4		100	1.2	158	5	
0.18	000	—14.0	0.33	100	1.1			
0.5	960	—15.3	0.41	100	1.0			
0.84	919	—9.4	—1.74	100	1.9			
1.0	900	—9.4	0.00	96	1.8			
1.27	869	—9.4	0.00	85	1.7			
1.44	850	—9.6		81	1.6			
1.5	843	—9.7	0.13	81	1.6			
1.9	800	—10.3		78	1.6			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
2.0	789	—10.4	0.14	77	1.5			
2.22	767	—10.8	0.18	76	1.5			
2.5	739	—11.9	0.39	74	1.3			
2.92	700	—14.2						
3.0	692	—14.7	0.56					338
4.0	606	—20.5	0.58					
4.07	600	—20.9						
5.0	529	—26.2	0.57					
5.4	500	—28.1						
6.0	460	—31.6	0.54					
6.95	400	—38.3						
7.0	397	—38.7	0.71					
7.4	374	—42.1	0.85					329

10.10 1401 φ = 79°35′ λ = 200°15′

10/10 St (28)

0.0	018	—17.2				158	5	
0.14	000	—17.7						
0.2	992	—18.0	0.40					
0.5	953	—18.0	0.00					
0.93	900	—12.2						
1.0	892	—11.2	—1.36					
1.2	869	—9.7	—0.75					
1.37	850	—10.0						
1.5	836	—10.2	0.17					
1.83	800	—10.8						
2.0	783	—11.2	0.20					
2.5	733	—13.0	0.36					
2.86	700	—14.4						
3.0	686	—15.0	0.40					
4.0	600	—20.3	0.53					360
5.0	523	—27.0	0.67					
5.33	500	—29.0						
6.0	455	—32.9	0.59					
6.9	400	—39.0						
7.0	394	—39.6	0.67					311
8.0	340	—46.0	0.64					
8.82	300	—51.9						
9.0	291	—53.2	0.72					271
10.0	250	—58.9	0.57					
10.2	242	—59.5	0.30					
10.68	224	—59.5	0.00					
11.0	213	—58.3	—0.38					
11.39	200	—55.7						
12.0	181	—53.4	—0.49					243

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
13.0	156	—51.5	—0.19					
14.0	133	—51.0	—0.05					245
15.0	114	—50.6	—0.04					
15.84	100	—50.3						
16.0	97	—50.2	—0.04					
17.0	84	—49.9	—0.03					247

11.10 1451 φ = 79°37′ λ = 200°25′

10/10 St (18)

0.0	012	—13.6		92	1.1	—	—	
0.09	000	—13.4		92	1.1			
0.2	986	—12.4	—0.60	91	1.2			
0.3	973	—10.4	—2.00	91	1.5			
0.5	948	—10.4	0.00	90	1.4			
0.66	929	—10.4	0.00	90	1.5			
0.9	900	—11.2		89	1.5			
1.0	887	—11.6	0.35	89	1.4			
1.33	850	—13.3		88	1.2			
1.5	831	—14.6	0.60	87	1.1			
1.79	800	—16.3		87	1.0			
2.0	778	—17.2	0.52	86	0.9			
2.14	764	—15.9	—0.93	85	1.0			

H	B	t	γ	U	q	d	V	W
2.5	728	—15.9	0.00	77	1.0			251
2.9	710	—15.9	0.00	71	0.9			
2.8	700	—16.1		71	0.9			
3.0	681	—17.0	0.35	71	1.0			
3.94	600	—22.3						
4.0	595	—22.8	0.58					176
5.0	519	—29.2	0.64					
5.27	500	—31.2						
6.0	451	—36.6	0.74					164
6.82	400	—41.4						
7.0	390	—42.4	0.58					
8.0	336	—49.4	0.70					166
8.72	300	—54.6						
9.0	287	—56.3	0.69					150
9.47	267	—59.0	0.57					
10.0	245	—59.0	0.00					
10.32	233	—59.0	0.00					
10.79	216	—56.2	—0.60					148

12.10 1421 φ = 79°40′ λ = 200°35′

10/10 Fs (27)

0.0	010	—14.8		92	0.9	180	5	
0.06	000	—14.8		93	0.9			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
0.2	983	—13.9	—0.45	95	1.1			
0.34	965	—12.0	—1.36	95	1.3			
0.5	945	—12.0	0.00	95	1.3			
0.88	900	—12.0		94	1.4			
1.0	885	—12.0	0.00	94	1.4			
1.31	850	—13.8		93	1.2			
1.5	829	—15.0	0.60	92	1.2			
1.77	800	—16.8		92	1.0			
1.94	782	—17.7	0.61	91	1.0			
2.0	775	—17.8		91	0.9			
2.5	726	—18.4	0.12	90	0.9			
2.77	700	—18.7		89	1.0			
3.0	678	—19.0	0.12	89	1.0			
3.14	665	—19.1	0.07	89	1.0			
3.91	600	—22.4		87	0.8			359
4.0	592	—23.1	0.47	87	0.7			
5.0	516	—28.7	0.56	85	0.4			
5.22	500	—29.9		84	0.4			
6.0	448	—35.5	0.68	83				
6.78	400	—41.4		81				
7.0	387	—42.5	0.70	81				
8.0	334	—50.2	0.77					435
8.72	300	—53.2						

H	B	t	γ	U	q	d	V	W
8.92	291	—53.7	0.38					
9.0	287	—53.7						
9.52	265	—53.7	0.00					
10.0	246	—52.9	—0.17					
11.0	211	—50.6	—0.23					
11.34	200	—49.5						
12.0	181	—49.5	—0.11					426
13.0	155	—49.5	0.00					
14.0	133	—49.5	0.00					
15.0	114	—49.5	0.00					
15.91	100	—49.5						
16.0	98	—49.5	0.00					
16.72	88	—49.5	0.00					368

13.10 1411 φ = 79°48′ λ = 201°00′

10/10 Fs (21)

0.0	011	—10.3		96	1.4	180	7	
0.09	000	—10.5		97	1.6			
0.2	985	—10.7	0.20	98	1.6			
0.33	969	—9.3	—1.08	99	1.8			
0.5	948	—9.3	0.00	100	1.8			
0.74	919	—9.3	0.00	100	1.9			
0.9	900	—10.0		100	1.8			

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Продолж. приложения

H	B	t	γ	U	q	d	V	W
1.0	888	−10.3	0.38	100	1.8			
1.12	875	−10.7	0.33	100	1.8			
1.34	850	−10.7		95	1.7			
1.3	833	−10.7	0.00	91	1.7			
1.66	816	−10.7	0.00	78	1.5			
1.81	800	−10.9		78	1.5			
2.0	780	−11.2	0.15	78	1.5			
2.5	731	−12.2	0.20	78	1.5			
2.83	700	−13.6		78	1.3			
3.0	684	−14.2	0.40	78	1.3			315
3.62	631	−16.0	0.29	78	1.2			
4.0	600	−17.6	0.42	77	1.1			
5.0	523	−24.3	0.07	75	0.6			
5.33	500	−27.0		75	0.4			
6.0	455	−31.4	0.71	73	·			329
6.9	400	−37.0		71				
7.0	394	−38.9	0.75	71				
8.0	340	−46.8	0.79	68				
8.83	300	−52.1						
9.0	292	−53.4	0.66					280
10.0	249	−59.5	0.61					
10.3	238	−61.0	0.50					
10.63	226	−61.0	0.00					270

14.10 1416 φ = 79°53′ λ = 201°30′

10/10 St, ⊀

H	B	t	γ	U	q	d	V	W
0.0	014	−7.9		92	1.3	120	10	
0.11	000	−8.5		95	1.3			
0.2	993	−8.6	0.35	95	1.3			
0.5	951	−7.4	−0.40	100	2.1			
0.74	923	−5.5	−0.79	100	2.6			
0.94	900	−5.7		100	2.7			
1.0	892	−5.8	0.12	100	2.6			
1.33	850	−6.3		100	2.6			
1.5	837	−6.6	0.16	99	2.6			
1.77	803	−7.0	0.15	96	2.5			
1.85	800	−7.4		96	2.4			
2.0	784	−8.0	0.43	94	2.4			
2.5	736	−10.6	0.52	90	1.9			
2.88	700	−13.0		88	1.6			
3.0	689	−13.8	0.64	88	1.5			
4.0	603	−18.2	0.44	80	1.0			330
4.04	600	−18.3		79	1.0			
5.0	527	−25.0	0.68	(66)	0.5			
5.30	500	−27.4		(65)	0.4			

Продолж. приложения

H	B	t	γ	U	q	d	V	W
6.0	459	−30.8	0.58	(63)				
6.96	400	−37.6		(60)				
7.0	398	−37.8	0.70	(60)				372
8.0	342	−46.0	0.82	(56)				
8.88	300	−52.8		54				
9.0	294	−53.6	0.76	53				
10.0	251	−60.8	0.72	51				
10.72	224	−64.2	0.47	49				
11.0	214	−64.2	0.00	48				343
11.4	200	−61.8		47				
12.0	181	−59.2	−0.50	46				
13.0	154	−57.6	−0.16	44				259
14.0	132	−57.6	0.00	41				
15.0	112	−57.6	0.00	40				
15.68	100	−57.6		39				
16.0	95	−57.6	0.00	39				254
17.0	82	−57.6	0.00	39				
17.52	76	−57.6	0.00	39				253

15.10 1426 φ = 80°01′ λ = 201°36′

1/0 Ci

0.0	021	−20.2		86		158	4	
0.16	000	−14.0				—	—	

H	B	t	γ	U	q	d	V	W
0.2	994	−13.0	−3.60			—	—	
0.5	957	−7.8				173	7	
0.55	951	−7.3	−1.63			172	8	
0.92	906	−7.3	0.00			172	6	
0.97	900	−7.4				170	6	
1.0	896	−7.5				168	6	
1.42	850	−8.1				160	7	
1.5	841	−8.2	0.16			160	7	
1.88	800	−9.0				159	7	
2.0	787	−9.4	0.24			158	6	
2.5	738	−11.6	0.44			143	6	
2.91	700	−13.5				155	5	
3.0	692	−13.8	0.44			154	5	331
4.0	606	−18.4	0.46			167	7	
4.06	600	−18.8				166	7	
5.0	529	−25.0	0.66					
5.41	500	−28.1						
6.0	460	−31.8	0.68					
6.98	400	−38.8	0.71					361
8.0	343	−46.7	0.77					
8.89	300	−53.6						
9.0	295	−54.5	0.78					
10.0	252	−60.5	0.60					344

Продолж. приложения

H	B	t	τ	U	q	d	V	W
10.34	238	—62.1	0.47					
11.0	214	—62.1	0.00					
11.4	200	—62.1						
11.7	190	—62.1	0.00					
12.0	181	—60.7	—0.47					298

16.10 1427 φ = 80°05′ λ = 201°26′

8/0 Ci, Cs

0.0	015	—21.0		81		068	3	
0.11	000	—						
0.2	987	—	—					
0.5	950	—	—					
0.92	900	—10.9						
1.0	890	—11.0	—					
1.36	850	—12.0						
1.5	834	—12.6	0.32					
1.81	800	—13.8						
2.0	780	—14.6	0.40					
2.5	730	—16.0	0.28					
2.81	700	—17.8						
3.0	682	—19.2	0.64					313
3.96	600	—23.9						
4.0	596	—24.1	0.49					
5.0	519	—29.8	0.57					
5.26	500	—32.0						
6.0	450	—36.1	0.63					332
6.82	400	—40.7						
7.0	389	—42.6	0.65					
8.0	335	—50.1	0.75					
8.71	300	—53.9						
9.0	286	—56.0	0.59					
9.57	262	—59.0	0.53					
10.0	245	—59.0	0.00					332
10.61	222	—59.0	0.00					
11.0	209	—57.4	—0.41					
11.28	200	—56.9						
12.0	178	—55.8	—0.16					247
13.0	153	—54.0	—0.18					
14.0	131	—54.0	0.00					
14.6	119	—54.0	0.00					222

17.10 1457 φ = 80°07′ λ = 200°57′

10/10 Sc (96)

0.0	012	—11.0		97	1.5	068	4	
0.09	000	—11.1		97	1.5			

Продолж. приложения

H	B	t	τ	U	q	d	V	W
0.2	986	—11.2	0.10	96	1.4			
0.5	948	—11.6		96	1.4			
0.56	942	—11.7	0.14	96	1.4			
0.8	912	—11.7	0.00	95	1.5			
0.9	900	—12.0		95	1.4			
1.0	888	—12.1	0.20	95	1.4			
1.33	850	—13.2		94	1.4			
1.5	833	—14.1	0.40	93	1.3			
1.8	800	—16.2	0.70	93	1.1			
2.0	778	—16.2	0.00	92	1.1			
2.32	746	—16.2	0.00	80	1.0			
2.5	728	—17.2	0.56	79	0.9			
2.8	700	—18.7		77	0.8			263
3.0	681	—19.9	0.54	76	0.8			
3.6	628	—24.9	0.83	72	0.4			
3.93	600	—26.0		69	0.4			
4.0	594	—26.3	0.35	69	0.4			
5.0	517	—32.3	0.60	57				216
5.23	500	—33.8		56				
6.0	448	—39.3	0.70	55				
6.76	400	—45.2		54				
7.0	386	—46.4	0.71	53				195
8.0	332	—51.2	0.48	52				
8.5	307	—52.7	0.30	52				
8.64	300	—52.7		52				
9.0	284	—52.7	0.00	51				191
9.62	258	—52.7	0.00	50				
10.0	243	—51.7	—0.26	50				
10.3	233	—51.1	—0.20	49				171
11.0	208	—51.1	0.00					
11.26	200	—51.1						
11.58	190	—51.1	0.00					169

19.10 1432 φ = 80°09′ λ = 200°40′

10/10 Sc, ✳°

0.0	017	—11.0		94	1.4	090	4	
0.13	000	—10.7		94	1.5			
0.2	991	—10.6	—0.20	94	1.5			
0.5	954	—9.9	—0.23	94	1.6			
0.95	900	—9.9	0.00	94	1.7			
1.0	894	—10.1		94	1.7			
1.39	850	—12.0		94	1.5			
1.5	838	—12.4	0.45	94	1.5			
1.84	800	—13.6		94	1.4			

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Продолж. приложения

H	B	t	τ	U	q	d	V	W
2.0	733	—14.1	0.34	94	1.4			
2.5	723	—16.7	0.52	94	1.1			
2.56	700	—19.4		93	0.9			
3.0	686	—20.5	0.76	92	0.8			
3.97	600	—28.0		87	0.4			
4.0	597	—28.1	0.76	87	0.4			
5.0	519	—33.4	0.53	83				
5.26	500	—34.7		82				
6.0	449	—40.0	0.66	80				
6.78	400	—46.5		78				
7.0	387	—48.1	0.81	77				
8.0	332	—52.8	0.47	74				
8.43	311	—54.3	0.35					
8.66	300	—54.3						
9.0	284	—54.3	0.00					
9.18	276	—54.3	0.00					
10.0	244	—51.6	—0.33					
10.5	226	—49.7	—0.38					
11.0	208	—49.7	0.00					
11.28	200	—49.7						
12.0	179	—49.7	0.00					
13.0	154	—49.7	0.00					
14.0	132	—49.7	0.00					

345 348 333 293

WIND OBSERVATIONS BY DAMPER VANE

by

M. M. Nikitin

Source:

Materialy nabliudenii nauchno-issledovatel'skoi dreifuiushchei stantsii 1950/51 goda, Ed. M. M. Somov, Leningrad, Izd. 'Morskoi transport', 1954. Vol. III, pp. 496-498 and Appendix, pp. 499-516.

Wind observations, made as frequently and accurately as possible, are required to show the relation between ice drift and wind, and between wind and currents. The data provided by the Tret'iakov wind gauge* used at the station was not always accurate enough for these needs. However, the idea of making a special apparatus that would assure the necessary accuracy in reading wind direction and velocity only came into being during work at the station (besides requirement of accuracy, the instrument had to be operated directly from the hydrologists' tent and not require an additional observer). M. S. Komarov worked out the construction plans and prepared a device based on a damper arrangement. This device was applied successfully during the hydrological observations and provided valuable data for study of the drift and currents in the central part of the Arctic Basin.

The hourly observations of wind by the damper vane, made during current observations, were carried out from 21 July 1950 through 8 April 1951 by M. M. Somov, M. M. Nikitin and Z. M. Gudkovich.

The damper vane (Fig. 1) consisted of a contact anemometer (1), a vane (2) with a damper (3), and a recording device, i.e. a counter of the anemometer contacts (10). The contact anemometer was used to determine wind force, it closed the circuit every 100 rotations. Two wires led from the anemometer to the contact counter. The initial sensitivity of the anemometer was 0.8 m/sec.

The vane consisted of two parts. The first was the vane proper, made of two duralumin plates set at an angle of about 20° and fastened with a metal tube that rotated freely on ball bearings. The rod indicating wind direction formed an extension of the plates. At the end of the rod there was a lead weight which balanced the system. The total length of the vane was 460 mm. The second part, the damper, was a mechanism designed to suppress the movements (tackings) of the vane by absorbing their energy. The damper consisted of the cylindrical section of a container 30 mm high and 160 mm in diameter and was placed 180 mm below the vane. Inside the box there was a metal plate 25x150 mm, rigidly fastened to the rotating tube of the vane. The box itself was attached to the immobile pipe which acted as the wind apparatus support.

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*Tret'iakov wind gauge. A portable instrument for determining the velocity and direction of the wind under field conditions. The wind velocity is measured by the deflection of a freely suspended metal plate having a spoon-shaped form. The direction of the wind is determined by a special vane included in the construction of the instrument. The scale for this wind gauge was obtained experimentally from determinations in an aerodynamic tube (Tr. note). Source: Meteorologicheskii slovar', Khromov and Mamontova, p. 283

The vane-plate system rotated freely around its own axis. Anti-freeze oil was poured into the box of the damper. Thus, the plate, rotating in the oil of the damper box, acted as a brake during abrupt oscillations of the vane. Thanks to this, a more accurate reading of the wind direction could be made, and what is more not just the direction of a single gust, but the resultant for the observation period.

The contact anemometer was firmly attached to the upper end of the support rod. A metal azimuth circle (4) was attached to the support rod, below the damper. It was 260 mm in diameter and marked off in degrees from 0 to 360, with scale divisions of 5°; the degree numbers appeared every 20°. The diameter of the azimuth circle was somewhat less than the length of the vane so that the position of the vane indicator could be read on the disk from below; the vane always received wind pressure parallel to the air current.

A garland of six flashlight bulbs (7) with a reflector 160 mm in diameter was used to illuminate the azimuth circle. Wires (inside the support rod) led from the contact anemometer into the tent and were connected to the counter and the storage battery.

The recording apparatus was an ordinary contact counter with an electric magnet. During an anemometer contact the electric magnet made contact with and turned the ratchet wheel one cog. This ratchet wheel was connected with the arrow indicator. The counter mechanism was contained in a round box with a dial, each division of which corresponded to a one-cog turn of the ratchet wheel. Thus one anemometer contact corresponded to one scale division on the dial. The counter was fed by three flashlight batteries connected in series. The support rod of the wind apparatus was a duralumin tube 22 mm in diameter.

The wind apparatus was mounted through the air vent (9) of the hydrologists' tent and held by three cable lines attached to the lower tent supports.

The damper vane stood 3.7 mm above the hydrologists' tent, and about 6 m above the ice surface (Fig. 2). The vane could be studied without taking it down from the tent, because of a joint (8) made in the support rod at the air vent. It could be raised or lowered by one of the cable lines.

The azimuth circle was oriented in a N-S direction during clear weather at noon, local time, by placing one of the cable lines in the shadow of the mast of the vane, in the plane of the true meridian. The 0-180° line of the azimuth circle was made to coincide with the direction of this cable. During the polar night the azimuth circle was oriented in the same way, using the moon.

After the damper vane had been set up (21 June 1950), all the lengthy observations of currents were made by means of hourly wind measurements. Unfortunately, frequent rime deposits in the winter period interfered with work and the observations had to be stopped, since cleansing of the instrument did not give the desired effect.

The damper vane assured much higher accuracy than the Tret'iakov wind gauge used at the station, which is indicated by the following comparative data:

	Direction	Velocity
Wind apparatus with damper vane	±2-3°	0.1 m/sec
Tret'iakov wind gauge	±10-12°	1.0 m/sec

The damper vane observations took very little time and did not take the observer away from his basic work. The counter of the contact anemometer was switched in for 10 minutes. The wind direction (through the air vent of the tent) was determined for the middle of this period. The wind velocity in meters per second was determined from the number of anemometer contacts for the 10-minute period by means of a calibration curve. Thus, without leaving the tent, the observers could make the hourly determinations of wind force and direction along with their oceanographic work. Observations were made according to Moscow time.

The observations were processed at the Arctic Institute by M. M. Nikitin and Z. M. Gudkovich and consisted of the following: After the data obtained from the damper vane and the Tret'iakov wind gauge had been compared, all doubtful data, due chiefly to the deposit of rime on the vane, were excluded. Then the changes in the orientation of the vane* were determined from the azimuth observations,** corrections were made for the rotation of the floe and the true wind direction was obtained. After all adjustments had been made and the corrections had been entered, tables of the observed wind were constructed and are given in the Appendix (q.v.).

*Orientations for true N-S were made on 19 July and 27 December 1950, on 25 January and 3 and 18 March 1951.

**See N. A. Miliaev, "Astronomicheskie nabliudeniia" (Astronomical observations), this same series, Vol. II.

Figure Captions

Fig. 1: Damper vane.
1. anemometer
2. vane
3. damper
4. azimuth circle
5. direction indicator
6. attachment for guy-wire support
7. illuminator
8. joint
9. air vent
10. anemometer-contact counter

Fig. 2: Wind apparatus with the damper vane above the work tent.

Appendix

Wind observations made with the damper vane.

Column 1: Date
2: Moscow time, hours
3: Moscow time, minutes
4: Wind direction
5: Wind velocity (m/sec)
6: Comments

Comments in order of appearance (Column 6)

p. 501 - Damper was oiled.
503 - Direction determined by the Tret'iakov wind gauge.
505 - The anemometer counter did not work.
506 - Damper vane covered with rime.
Damper vane cleansed of rime.
507 - Anemometer covered with rime.
Anemometer cleansed of rime.
Damper vane covered with rime from 0900 to 2200 hours.
Damper vane covered with rime; observations stopped.
508 - Damper vane did not work.
510 - Damper vane checked.
512 - Anemometer counter repaired.

The following word appears frequently in columns 4-5:

ШТИЛЬ which means calm /weather/

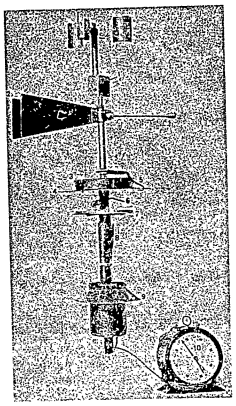

Рис. 1. Лемперный флюгер:
1 — анемометр; 2 — флюгер; 3 — демпфер; 4 — аммутальный круг; 5 — указатель направления; 6 — приспособление для крепления оттяжек; 7 — пюстра; 8 — шарнир; 9 — вентилятор; 10 — счетчик контактов анемометра.

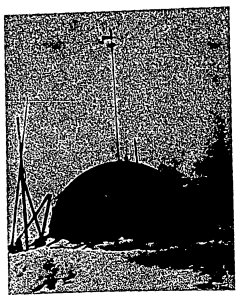

Рис. 2. Ветроустановка с демпферным флюгером на рабочей площадке.

APPENDIX

See translated text for column headings and additional notes.

Приложение

НАБЛЮДЕНИЯ НАД ВЕТРОМ ПО ДЕМПФЕРНОМУ ФЛЮГЕРУ

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
1950 год					
21/VII	6	35	34°	0.8	
	7	25	34	1.1	
	8	05	34	1.1	
	8	25	34	1.5	
	8	55	42	1.8	
	9	40	75	2.5	
	10	45	90	2.2	
	11	35	74	2.5	
	12	10	77	3.0	
	12	40	77	2.5	
	13	25	91	2.2	
	14	05	72	2.5	
	14	50	88	3.3	
	15	30	85	3.3	
29/VII	4	40	272	3.0	
	5	30	272	2.6	
	6	40	282	2.2	
	7	45	282	2.6	
	8	45	275	2.2	
	9	45	275	2.6	
	10	40	267	1.8	
	11	35	234	1.8	
	12	35	235	1.5	
	13	35	231	1.5	
	14	45	232	1.5	
	15	50	234	2.6	
	16	40	272	2.6	
	17	40	283	1.9	
	18	40	294	1.9	
	19	35	308	2.6	
	20	30	318	2.2	
	21	30	323	2.2	
	22	30	328	1.5	
	23	20	323	1.0	
30/VII	0	30	283°	1.8	
	1	35	288	3.0	
	2	30	248	3.0	
	3	30	273	3.3	
	4	30	273	2.6	
	5	20	243	2.6	
	9	00	238	1.5	
	10	00	238	1.5	
	11	00	236	0.8	
	12	00	—	2.5	
	13	20	243	3.1	
	14	15	264	2.1	
	15	10	243	1.8	
	16	05	243	1.8	
	17	05	275	2.2	
	18	05	275	1.0	
	19	05	226	1.1	
	20	05	215	2.2	
	21	00	218	2.0	
	22	00	222	2.2	
	23	00	223	2.2	
31/VII	0	00	253	1.8	
	1	00	256	1.8	
	2	00	221	2.6	
	3	00	218	1.8	
	4	00	200	2.6	
	5	00	200	3.0	
	6	00	223	2.2	
	7	00	223	3.3	
	8	00	243	2.2	
	9	00	235	1.8	
	10	00	243	1.8	
	11	00	243	1.1	
	12	00	238	1.1	
	13	00	188	1.5	
	14	00	221	1.1	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	15	00	218°	1.1	
	16	00	227	1.1	
	17	00	180	1.5	
	18	00	182	2.6	
	19	00	182	2.2	
	20	00	173	2.6	
	21	00	173	1.5	
	22	00	170	1.1	
	23	00	150	3.0	
1/VIII	0	00	139	2.6	
	1	00	165	2.6	
	2	00	157	2.2	
	3	00	141	1.8	
	4	00		2.9	
	5	00	141	2.6	
	6	00	139	3.3	
	7	00	126	4.0	
	8	00	129	4.1	
	9	00	129	4.8	
	10	00	124	4.4	
	11	00	124	4.8	
	12	00	119	4.8	
	13	00	124	5.1	
	14	00	114	5.1	
	15	00	114	5.4	
	16	00	114	5.7	
	17	00	124	5.4	
	18	00	129	5.7	
	19	00	124	5.1	
	20	00	129	5.7	
	21	00	134	4.1	
	22	00	139	5.4	
	23	00	134	5.7	
2/VIII	0	00	139	5.7	
	1	00	139	6.1	
	2	00	139	6.1	
	3	00	139	5.7	
	4	00	139	5.1	

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	5	00	139°	5.1	
	6	00	139	5.7	
	7	15	139	6.7	
	8	00	149	6.6	
	9	30	149	5.7	
	10	00	149	5.4	
	11	00	149	5.4	
	12	00	149	5.4	
	14	00	144	6.7	
	15	00	149	7.0	
	16	00	149	6.7	
	17	00	149	7.0	
	18	00	149	6.0	
	19	00	149	6.7	
	20	00	139	6.7	
	21	00	139	6.0	
	22	00	139	6.7	
	23	00	139	6.7	
3/VIII	0	00	139	6.7	
	2	30	144	7.2	
	3	30	144	—	
	8	45	149	6.7	Произведена заливка маслом демпфера
	10	00	149	7.0	
	11	00	149	6.6	
	12	00	149	7.0	
	13	00	154	7.0	
	14	00	144	6.4	
	15	00	144	7.2	
	16	00	144	6.7	
	17	00	139	4.8	
	18	00	144	6.4	
	19	00	144	7.0	
	20	00	144	6.7	
	21	00	144	7.2	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	22	00	139°	7.5	
	23	00	134	8.0	
4/VIII	0	00	129	8.0	
	1	00	134	7.2	
	2	00	134	7.2	
	3	00	134	6.9	
	4	00	149	5.1	
	5	15	149	7.2	
	6	00	149	7.2	
	7	00	154	7.5	
	8	00	149	6.9	
	9	00	149	7.2	
	10	00	149	7.2	
	11	00	149	6.7	
	12	30	159	6.7	
	13	30	164	5.4	
	14	30	159	5.7	
	15	30	159	5.1	
	16	30	149	4.8	
	17	30	149	5.1	
	18	30	149	4.4	
	19	30	149	4.0	
	20	30	154	4.4	
	21	30	159	4.0	
	22	30	169	4.0	
	23	30	184	4.0	
5/VIII	0	30	183	3.7	
	1	00	188	3.7	
	2	00	213	4.4	
	4	15	213	4.7	
	5	00	213	4.1	
	6	10	213	3.7	
	7	10	208	3.7	
	8	30	213	3.3	
	9	00	223	3.7	
	10	00	223	2.9	
	11	00	223	2.6	
	12	00	228	2.2	

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	13	00	253°	3.3	
	14	00	248	2.2	
	15	00	253	1.8	
	16	10	263	3.0	
	17	05	263	3.7	
	18	05	258	3.0	
	19	00	263	4.0	
	20	05	268	3.3	
	21	00	278	3.7	
	22	00	273	4.4	
	23	00	283	4.0	
6/VIII	0	05	273	—	
	1	40	268	4.1	
	2	35	278	3.3	
	3	00	278	3.3	
	4	00	283	3.3	
	5	00	283	3.3	
	6	00	278	3.3	
	7	00	293	3.3	
	8	00	288	2.6	
	9	00	298	3.3	
	10	00	308	2.6	
	11	00	303	3.0	
	12	00	303	2.6	
	13	40	298	2.6	
	14	10	313	2.2	
	15	00	288	1.8	
	16	00	273	1.8	
	17	00	273	1.5	
	18	00	штиль		
	19	00	288	1.1	
	20	00	268	0.8	
	21	00	штиль		
	22	00	253	1.1	
	23	00	208	1.8	
7/VIII	0	00	208	1.1	
	1	00	163	1.8	
	2	00	138	2.2	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	3	00	143°	3.0	
	4	00	143	3.0	
	5	00	133	4.1	
	6	10	138	4.1	
	7	00	133	4.4	
	8	10	133	5.0	
	9	00	138	5.1	
	10	00	133	5.4	
	11	00	133	5.7	
	12	00	123	6.0	
	13	00	123	6.7	
	14	00	123	6.4	
	15	00	123	7.0	
	16	00	128	7.2	
	17	00	133	7.8	
	18	00	138	7.8	
	19	00	143	7.0	
	20	00	133	8.1	
	21	10	123	6.7	
	22	00	123	6.4	
	23	00	118	6.4	
8/VIII	0	10	118	6.4	
	1	40	108	5.7	
	2	00	98	5.1	
	3	10	108	5.4	
	4	00	98	4.8	
	5	00	93	5.1	
	6	00	93	4.4	
	7	00	113	3.0	
	8	20	113	1.5	
	9	10	123	1.5	
	10	00	123	1.1	
	11	00	123	1.1	
	12	00	188	1.1	
	13	00	188	1.1	
	14	00	188	3.3	
	15	05	188	3.3	
	16	00	188	4.0	
	17	00	213°	6.7	
	17	30	223	4.8	
	18	00	228	4.4	
	19	30	218	5.4	
	20	00	213	6.0	
	21	00	213	6.7	
	22	00	228	5.7	
	23	00	223	5.4	
	23	30	233	6.0	
9/VIII	0	00	219	4.8	
	1	00	234	6.7	
	2	00	219	5.4	
	3	00	209	4.8	
	4	00	224	—	
	5	00	219	4.8	
	6	00	219	5.4	
	7	00	204	4.8	
	8	00	209	4.4	
	9	00	199	3.8	
	10	00	199	3.7	
	11	00	189	3.0	
	12	00	179	2.6	
	13	00	174	2.6	
	14	00	174	1.5	
	15	00	174	1.1	
	16	00	174	0.8	
	16	15	штиль		
	17	00			
	18	00	—	1.3	
	18	40	360	2.2	Направление определено по ветромеру Третьякова
	20	00	360	3.3	
	21	00	339	4.8	
	22	00	334	4.8	
	23	10	324	5.7	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
10/VIII	0	00	319°	6.0	
	1	00	299	5.1	
	2	00	284	6.4	
	3	10	279	7.8	
	4	00	279	8.1	
	5	00	274	7.5	
	6	15	274	8.3	
	7	00	269	8.6	
	8	00	264	8.9	
	9	00	259	8.3	
	10	00	259	9.7	
	11	00	254	8.6	
	12	00	249	7.8	
	13	00	244	7.5	
	14	00	239	6.7	
	15	00	244	6.4	
	16	00	234	6.4	
	17	00	224	7.2	
	18	00	234	6.0	
	19	00	229	5.7	
	20	00	224	4.4	
	21	00	219	3.7	
	22	00	217	2.6	
	23	00	217	1.1	
11/VIII	0	00	259	0.8	
	1	15	314	0.8	
	2	10	354	1.3	
	3	00	344	1.5	
	4	20	344	2.6	
	5	20	329	3.0	
	6	00	329	—	
	7	00	329	3.7	
	8	00	329	4.0	
	9	20	329	5.1	
	10	00	330	5.1	
	11	00	325	5.1	
	12	15	310	5.4	
	13	00	265	6.7	
	14	05	265°	7.2	
	15	00	265	7.2	
	16	10	265	6.0	
	17	00	260	6.0	
	18	00	260	7.5	
	19	00	265	7.8	
	20	00	260	8.1	
	21	00	250	7.2	
	22	00	240	6.0	
	23	00	250	7.8	
12/VIII	0	00	235	7.5	
	1	00	240	7.5	
	2	00	245	8.6	
	3	15	245	8.3	
	4	25	245	8.9	
	5	00	240	8.3	
	6	10	245	7.0	
	7	00	245	8.6	
	8	00	245	8.1	
	9	00	235	5.7	
	10	00	240	6.0	
	11	00	240	5.7	
	12	10	240	5.4	
	13	00	240	4.8	
	14	00	260	5.7	
	15	30	270	4.4	
	16	05	270	4.8	
	17	00	270	6.4	
	18	00	275	5.7	
	19	00	275	6.0	
	20	00	290	7.0	
	21	00	290	7.0	
	22	00	290	6.4	
	23	00	300	10.3	
13/VIII	0	05	300	9.4	
	1	00	290	8.1	
	2	00	290	8.9	
	3	00	280	9.4	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	4	00	290°	9.7	
	5	00	290	9.4	
	6	00	285	9.7	
	7	00	280	9.2	
	8	00	285	9.7	
	9	00	285	8.9	
	10	00	290	7.2	
	11	00	275	7.2	
	12	00	271	7.2	
	13	00	271	7.0	
	14	00	271	7.5	
	15	00	266	8.1	
	16	00	266	8.9	
	17	00	271	9.7	
	18	00	271	9.4	
	19	00	271	9.4	
	20	00	271	9.4	
	21	00	276	9.2	
	22	00	266	7.8	
14/VIII	2	30	281	—	Счетчик анемометра не работал
	3	30	291	—	
	4	45	291	—	
	5	00	291	7.0	
	8	20	276	5.7	
	11	00	281	4.4	
	12	00	291	5.4	
	13	00	286	4.0	
	14	00	286	4.4	
	15	00	286	—	
	16	00	286	4.0	
	17	00	286	4.0	
	18	00	286	2.6	
	19	00	286	4.4	
	20	00	286	4.0	
	21	00	286	3.0	
	22	00	286°	3.0	
	23	00	271	3.7	
15/VIII	0	00	266	3.3	
	1	00	256	3.3	
	2	00	261	3.3	
	4	30	251	3.0	
	5	15	256	3.0	
	6	00	256	3.7	
	7	00	256	4.4	
	8	15	256	4.4	
	9	00	261	4.4	
	10	00	261	4.4	
	11	00	266	4.4	
	12	00	266	2.6	
	13	00	266	3.0	
	14	00	266	4.0	
	15	00	261	3.3	
	16	05	261	4.0	
	17	00	261	3.7	
	18	00	256	4.0	
25/VIII	4	30	126	7.0	
	5	00	126	7.2	
	6	00	131	7.0	
	7	00	131	7.2	
	8	00	131	6.7	
	9	00	131	7.0	
	10	00	131	6.0	
	11	00	131	6.4	
	12	00	126	5.4	
	13	00	126	5.4	
	14	30	126	5.1	
	15	00	126	5.4	
	16	00	126	4.4	
	17	05	126	5.7	
	18	00	126	—	
	19	00	126	5.4	
	20	30	126	5.4	
	21	30	126	5.1	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	22	30	126°	4.4	
	23	30	131	4.0	
26/VIII	0	20	132	4.0	
	1	15	122	3.7	
	1	50	122	4.0	
	2	50	112	3.7	
	3	50	122	3.7	
	5	15	92	3.7	
	6	00	84	3.7	
	7	25	77	4.0	
31/VIII	2	40	359	10.3	
	3	10	344	10.3	
	4	00	359	10.0	
	5	00	359	9.7	
	6	20	359	9.2	
	7	00	354	8.6	
	8	00	359	8.9	
	9	00	359	8.9	
	10	00	354	8.9	
	11	00	354	8.9	
	12	00	354	9.7	
	13	00	339	9.7	
	14	00	359	9.4	
	15	00	359	9.2	
	16	00	349	8.9	
	17	00	359	8.6	
	18	00	359	7.2	
	19	05	349	8.6	
	19	55	349	8.3	
	21	05	344	8.1	
	21	55	344	7.2	
	23	00	334	7.8	
1/IX	0	00	339	8.3	
	1	30	339	6.7	
	2	15	—	7.2	
	3	00	339	7.8	
	4	00	344	7.5	
	5	10	339	7.2	
	6	10	339°	7.5	
	7	00	329	7.8	
	8	00	324	6.0	
	9	00	324	4.8	
	10	00	299	3.0	
9/IX	0	00	253	1.1	
	1	00	248	1.8	
	2	00	238	2.2	
	3	00	238	1.5	
	4	00	233	1.8	
	5	00	233	1.1	
	6	00	173	3.0	
	7	00	178	3.3	
	8	00	173	3.7	
	9	00	158	3.0	
2/X	5	00	248	0.6	
	6	00	193	0.6	
	7	00	178	2.2	
	8	00	198	2.6	
	9	00	233	3.7	
	10	00	248	4.8	
	11	00	248	5.4	
	12	00	243	5.4	
	13	00	243	5.7	
	14	00	253	3.3	
	15	00	—	4.4	Флюгер покрылся изморозью
	16	00	—	3.3	
	17	00	—	2.6	
	18	00	—	2.6	
	19	00	—	3.0	
	20	00	—	2.6	
	21	00	—	2.6	
	22	00	203	2.6	Флюгер очищен от изморози
	23	00	198	1.1	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	0	00	168°	1.5	
	1	00	168	1.1	
	2	00	143	1.8	
	3	00	143	1.8	
	4	00	133	—	Анемометр покрылся изморозью
	5	00	123	—	
	6	00	118	—	
	7	00	108	1.5	Анемометр очищен от изморози
	8	00	113	1.5	
	9	00	118	2.2	
	10	00	123	2.6	
	11	00	123	3.0	
	12	00	123	3.7	
	13	00	123	3.7	
	14	00	113	5.1	
	15	00	118	6.0	
	16	00	113	6.0	
	17	00	123	8.3	
	18	00	123	8.9	
	19	00	118	9.4	
	20	00	128	10.6	
	21	00	133	10.6	
	22	00	138	10.6	
	23	25	138	10.3	
4/X	0	00	143	9.7	
	1	00	143	10.0	
	2	00	148	10.0	
	3	35	153	10.0	
	4	00	158	9.4	
	5	00	158	9.2	
	6	00	158	8.1	
	7	30	163	7.2	
	8	00	168	6.7	
	9	00	—	6.0	С 9 до 22 ч. флюгер был покрыт изморозью
	10	15	—	5.1	
	11	00	—	5.4	
	12	00	—	4.8	
	13	00	—	4.0	
	14	00	—	3.3	
	15	00	—	2.6	
	16	00	—	1.8	
	17	00	—	1.5	
	18	00	—	1.8	
	19	00	—	1.5	
	20	00	—	1.5	
	22	00	—	1.8	
	23	00	283°	1.8	
5/X	0	20	298	2.6	
	2	00	308	2.2	
	3	00	308	1.5	
	4	00	313	2.6	
	5	00	348	3.7	
	6	00	3	3.0	
	7	10	358	1.5	
	8	00	358	0.8	Флюгер покрылся изморозью, наблюдение через крещены

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
			1951 год		
9/I	17	00	296°	5.7	
	18	00	296	5.1	
	19	00	291	5.1	
	20	00	291	4.8	
	21	00	286	5.1	
	22	00	251	5.4	
	23	00	246	5.4	
10/I	0	00	235	5.4	
	1	00	230	5.4	
	2	10	225	5.1	
	3	10	220	4.4	
	4	00	210	5.4	
	5	00	215	5.4	
	6	00	230	6.4	
	7	00	225	5.1	
	8	00	225	4.4	
	9	00	215	4.0	
	10	00	215	4.8	
	11	00	215	4.4	
	12	00	220	4.8	
	13	00	210	4.8	
	14	00	210	5.1	
	15	00	205	5.1	
	16	00	205	4.8	
	17	00	195	4.4	
	18	00	195	4.0	
	19	00	190	4.4	
	19	50	190	4.0	
	21	00	190	3.7	
	22	00	190	3.7	
	23	00	190	3.7	
11/I	0	00	190	4.0	
	1	00	190	4.0	
	2	00	190	4.0	
	3	00	190	3.7	
	4	15	190	3.3	
	5	00	190	3.0	
	6	00	185°	2.6	
	7	00	190	2.2	
	7	30	185	2.2	
	8	30	185	1.8	
	9	00	190	1.8	
	10	00	205	1.1	
	11	00	205	1.5	
	12	00	штиль		
	13	00	"		
	14	00	"		
	15	00	"		
	16	00	"		
	17	30	190	0.7	
	18	00	190	0.7	
	19	00	185	0.7	
	02	00	180	0.7	
	21	00	—	0.7	Флюгер не работал
	22	00	—	1.1	
	23	00	—	1.8	
12/I	0	00	—	1.5	
	1	00	—	0.7	
	2	00	—	1.5	
	3	00	штиль		
	4	00	—	1.1	
	5	00	—	1.8	
	6	00	—	1.5	
	7	00	—	1.1	
	8	00	—	2.6	
	9	30	134	2.2	
	10	00	139	1.8	
	11	00	129	1.5	
	12	15	134	1.5	
	13	00	124	1.5	
	14	00	139	1.8	
	15	00	124	1.5	
	16	00	124	0.7	
	17	00	119	1.1	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	18	00	114	0.7	
	19	00	штиль		
	20	00	"		
	21	00	114	0.7	
	22	00	штиль		
	23	00	"		
13/I	0	00	"		
	1	00	"		
	2	00	"		
	3	00	"		
	4	00	"		
	4	30	189°	1.1	
	5	00	194	1.5	
	6	00	204	1.1	
	7	00	214	1.8	
	8	00	224	2.6	
	9	15	229	2.6	
	10	00	224	3.0	
	11	00	229	3.3	
	12	00	229	3.0	
	13	00	229	4.0	
	14	00	224	3.0	
	15	00	224	2.6	
	16	00	224	3.0	
	17	00	219	2.6	
	18	00	219	2.2	
	12	00	219	2.6	
	20	00	214	2.6	
	21	00	209	2.6	
	22	00	209	2.6	
	23	00	204	2.2	
14/I	0	00	204	3.0	
	1	00	204	2.2	
	2	15	204	3.0	
	3	10	204	2.6	
	4	00	204	2.6	
	5	00	204	2.2	
	6	10	209	3.0	
	7	00	214°	2.6	
	8	00	214	3.0	
	9	00	214	1.8	
	10	00	219	2.2	
	11	00	214	2.6	
	12	00	219	2.6	
	13	00	214	2.2	
	14	00	219	2.2	
	15	00	224	2.6	
	16	00	224	2.6	
	17	00	224	3.0	
	18	00	214	2.2	
	19	00	219	3.0	
	20	00	224	3.7	
	21	00	229	3.7	
	22	00	229	3.7	
	23	00	229	3.0	
15/I	0	00	219	3.0	
	1	00	224	3.3	
	3	00	224	3.3	
	4	00	224	3.0	
	5	00	219	3.7	
	6	00	219	3.7	
	7	00	219	4.0	
	8	05	224	4.0	
	9	00	229	5.1	
	10	00	234	5.1	
	11	00	234	5.4	
	12	00	234	5.1	
	13	00	234	5.4	
	14	00	239	4.8	
	15	00	239	4.8	
	16	00	239	5.1	
	17	00	239	5.4	
	18	00	239	5.1	
	19	00	239	5.4	
	20	00	239	5.1	
	21	00	239	4.8	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	22	00	239°	4.4	
	23	00	239	3.7	
16/I	0	00	239	4.0	
	1	00	239	4.0	
	2	00	239	4.8	
	3	00	239	4.0	Произведена проверка флюгера
	4	10	239	3.3	
	5	00	244	3.0	
	6	05	249	3.7	
	7	10	249	3.3	
	8	30	249	3.3	
	9	00	249	3.3	
	10	00	244	2.6	
	11	00	244	3.3	
	12	00	244	3.3	
	13	00	249	2.6	
	14	00	244	3.0	
	15	00	249	3.0	
	16	00	249	3.0	
	17	00	249	3.3	
	18	00	259	3.0	
	19	00	244	1.0	
	20	00	244	2.2	
	21	00	244	2.6	
	22	00	239	2.6	
	23	00	239	1.5	
17/I	0	00	244	1.8	
	1	00	239	2.2	
	2	00	244	1.5	
	3	00	244	1.1	
	4	00	штиль		
	5	00	239	1.5	
	6	00	244	1.5	
	7	00	239	1.8	
	8	00	244	0.8	
	9	15	239	1.5	
	10	00	244°	0.8	
	11	00	штиль		
	12	00	"		
	13	00	239	1.1	
	14	00	234	1.5	
	15	00	штиль		
	16	00	"		
	17	00	"		
	18	00	"		
	19	00	"		
	20	00	"		
	21	00	"		
	22	00	180	0.7	
	23	00	180	0.7	
18/I	0	00	175	1.5	
	1	00	165	1.1	
	2	00	150	1.8	
	3	00	145	2.2	
	4	05	145	2.6	
	5	00	140	2.6	
	6	00	135	2.2	
	7	00	135	3.3	
	8	00	125	—	
	8	30	140	3.7	
	9	00	135	—	
	9	30	135	4.4	
	10	00	145	4.4	
	11	00	135	4.0	
	12	00	135	4.4	
	13	00	135	4.4	
	14	00	145	4.4	
	15	00	140	5.1	
	16	00	145	5.1	
	17	00	145	4.8	
	18	00	150	5.2	
	19	00	155	4.8	
	20	00	160	5.4	
	21	00	150	4.8	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	22	00	160°	4.8	
	23	00	165	3.7	
19/I	0	00	165	2.6	
	1	00	165	3.7	
	2	00	165	4.0	
	3	00	170	4.8	
	4	00	180	3.7	
	5	05	190	4.8	
	6	00	190	4.0	
	7	00	190	4.0	
	8	00	185	4.0	
	9	00	190	4.8	
	9	30	190	5.1	
	10	30	190	4.4	
	11	00	190	4.0	
	12	00	190	4.0	
	13	00	185	3.7	
	14	00	185	3.7	
	15	00	180	4.0	
	16	00	185	3.7	
	17	00	185	3.7	
	18	00	180	4.0	
	19	00	185	3.7	
	20	00	185	3.7	
	21	00	185	4.0	
	22	00	185	4.8	
	23	00	190	5.1	
20/I	0	00	195	4.4	
	1	00	190	3.7	
	2	15	180	3.0	
	3	30	180	3.3	
	4	00	190	4.4	
	5	00	190	4.4	
	6	00	190	4.8	
	7	00	185	4.8	
	8	00	185	4.4	
	9	05	185	5.4	
	10	10	191	6.0	

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	11	00	186°	4.0	
	12	00	186	4.8	
	13	00	186	4.4	
	14	00	186	4.8	
	15	00	186	4.4	
	16	00	186	4.8	
	17	00	191	4.4	
	18	30	186	3.7	
	19	00	186	4.0	
	20	00	191	4.8	
	21	40	186	4.4	
	22	00	186	4.4	
	23	00	186	3.7	
21/I	0	00	186	4.8	
	1	00	186	4.4	
	2	00	186	3.7	
	3	00	186	4.0	
	4	00	176	3.0	
	5	00	171	3.3	
	6	00	171	3.3	
	7	00	171	2.2	
	8	25	156	3.3	
	9	00	151	3.3	
	10	00	141	3.0	
	11	00	141	4.0	
	12	00	141	4.8	
	13	00	141	4.4	
	14	00	141	5.4	
	15	00	141	5.1	
	16	00	141	5.1	
	17	00	141	6.0	
	18	00	136	5.7	
	19	00	136	7.0	
	20	00	126	7.8	
	21	00	131	8.9	
	22	00	141	9.2	
	23	00	136	8.6	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
22/I	0	00	136°	9.4	
	1	00	141	9.2	
	2	05	136	—	Ремонт счетчика анемометра
	3	30	146	—	
	4	00	151	—	
	5	00	151	10.8	
	7	15	171	8.9	
	7	25	171	8.3	
	8	10	161	6.0	
	9	35	166	7.8	
	10	00	171	7.8	
	11	00	176	7.8	
	12	00	176	5.4	
	13	00	176	5.4	
	14	00	176	5.7	
	15	00	181	5.1	
	16	00	196	4.4	
	17	00	196	3.3	
	18	00	201	3.7	
	19	00	211	3.3	
	20	00	211	2.6	
	21	00	216	3.0	
	22	00	236	4.0	
	23	00	246	4.0	
23/I	0	00	251	3.3	
	1	00	251	3.7	
	2	10	251	4.0	
	3	00	251	2.6	
	4	00	256	3.3	
	5	00	246	3.0	
	6	00	246	3.0	
	7	00	241	3.7	
	8	00	236	4.0	
	9	00	231	3.7	
	10	00	226	3.3	
	11	00	231	4.0	

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	12	00	231°	3.3	
	13	05	226	3.3	
	14	00	216	3.7	
	15	00	216	4.0	
	16	00	216	4.0	
	17	00	216	4.0	
	18	10	216	4.8	
	19	00	221	4.4	
	20	00	211	3.7	
	21	00	201	4.4	
	22	00	201	4.0	
	23	00	191	3.3	
24/I	0	00	191	3.7	
	1	00	191	4.4	
	2	00	186	4.8	
	3	05	186	—	
	4	20	181	6.4	
	5	15	181	6.4	
	6	00	176	7.8	
	7	00	171	8.3	
	8	00	171	7.8	
	8	30	166	8.9	
	9	00	166	10.6	
	9	30	166	12.7	
	10	00	166	13.8	
	10	30	166	13.2	
	11	00	171	13.2	
	12	00	191	11.6	
	13	00	196	10.6	
	14	00	201	8.6	
	15	00	206	7.2	
	16	00	211	6.7	
	17	00	221	6.7	
	18	00	226	5.4	
	19	00	241	5.4	
	20	00	246	5.1	
25/I	22	00	210	8.3	
	23	00	215	7.2	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
26/I	0	00	220°	7.2	
	1	00	210	7.2	
	2	05	210	7.0	
	3	00	210	7.2	
	4	00	215	7.0	
	5	00	215	6.7	
	6	00	200	6.7	
	8	05	210	6.7	
	9	00	200	6.0	
	10	05	195	6.4	
	11	00	190	6.7	
	12	00	205	6.0	
	13	00	195	4.8	
	14	00	180	5.4	
	15	00	175	4.0	
	16	00	180	4.8	
	17	00	180	4.0	
	18	00	180	4.0	
	19	00	180	4.0	
	20	15	185	5.1	
	21	00	185	6.4	
	22	00	190	5.7	
	23	00	200	5.1	
22/III	6	40	322	3.3	
	7	00	327	3.7	
	8	00	322	2.2	
	9	15	327	3.3	
	10	00	328	3.7	
	11	00	333	4.0	
	12	00	328	3.7	
	13	00	328	3.7	
	14	15	328	4.0	
	15	00	328	3.7	
	16	10	323	3.0	
	17	00	323	3.0	
	18	00	318	4.0	
	19	00	323	4.0	
	20	00	333	3.0	
	21	10	338°	2.6	
	22	00	318	2.6	
	23	15	318	3.7	
23/III	0	00	318	3.7	
	1	00	318	4.0	
	2	05	338	2.6	
	3	00	328	3.3	
	4	30	323	3.7	
	5	00	328	5.1	
	6	10	328	6.7	
	7	00	333	6.7	
	8	00	328	5.1	
	9	00	328	5.4	
	10	00	338	6.0	
	11	15	338	5.4	
	12	00	343	5.7	
	13	00	334	4.4	
	14	15	339	4.0	
	15	00	344	4.0	
	16	15	339	4.0	
	17	00	339	3.3	
	18	00	339	3.3	
	19	10	339	2.2	
	20	00	339	3.0	
	21	00	339	3.0	
	22	00	339	3.3	
	23	00	339	3.7	
24/III	0	00	344	4.0	
	2	15	334	6.0	
	3	00	334	6.0	
	4	30	334	6.0	
	6	20	344	5.4	
	7	00	339	5.1	
	8	20	339	5.4	
	10	00	355	5.7	
	11	00	360	6.0	
	12	00	5	5.7	
	13	00	10	6.0	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	14	00	10°	5.4	
	15	00	5	5.4	
	16	00	15	6.0	
	17	15	15	5.1	
	18	00	5	4.0	
	19	05	15	4.8	
	20	00	10	4.4	
	21	00	15	5.1	
	22	00	10	4.8	
	23	00	10	5.1	
25/III	0	00	5	5.1	
	1	05	5	4.8	
	2	05	360	5.4	
	3	00	5	6.0	
	4	00	5	5.1	
	5	00	5	5.1	
	6	10	20	5.4	
	7	45	15	4.0	
	8	00	20	4.0	
	9	00	20	4.0	
	10	00	30	4.8	
	11	00	25	4.4	
	12	00	25	4.0	
	13	00	35	3.3	
	14	30	20	3.0	
	15	00	10	2.6	
	16	30	15	3.3	
	17	00	15	3.0	
	18	00	10	3.0	
	19	00	25	4.0	
	20	00	25	3.3	
	21	00	15	3.3	
	22	00	25	3.7	
	23	00	25	4.0	
26/III	0	00	10	3.7	
	1	20	15	4,4	
	2	20	5	4.0	
	3	10	15	4.4	
	4	00	10°	4.0	
	5	00	15	4.0	
	6	15	15	4.0	
	7	15	15	2.6	
	8	00	20	2.6	
	9	15	30	3.3	
	10	20	30	3.0	
	11	20	40	1.8	
	12	20	40	1.5	
	13	00	45	1.5	
	14	00	35	1.1	
	15	00	45	1.5	
	16	00	45	1.5	
	17	00	45	0.8	
	18	00	штиль		
	19	00	"		
	20	00	"		
	21	00	"		
	22	00	"		
	23	00	"		
27/III	0	00	"		
	1	00	"		
	2	00	"		
	3	00	"		
	4	00	"		
	5	00	"		
	6	00	"		
	7	00	"		
	8	00	"		
	9	00	"		
	10	00	"		
	11	00	"		
	12	00	"		
	13	00	"		
	14	00	"		
	15	00	"		
	16	00	"		

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	17	00	штиль		
	18	00	"		
	19	00	95°	1.8	
	20	00	95	1.5	
	21	00	95	2.6	
	22	15	115	2.6	
	23	00	120	3.3	
	23	30	штиль		
28/III	0	00	"		
	1	00	"		
	2	00	"		
	3	00	"		
	4	00	"		
	5	00	"		
	6	00	90	1.1	
	7	00	штиль		
	8	15	70	1.8	
	9	00	70	1.1	
	10	00	100	1.5	
	11	00	105	1.1	
	12	00	105	1.5	
	13	00	105	0.8	
	14	00	105	1.1	
	15	00	штиль		
	16	00	105	1.1	
	17	00	105	1.1	
	19	00	штиль		
	20	00	"		
	21	00	105	1.5	
	22	00	штиль		
	23	00	"		
29/III	0	00	"		
	1	00	110	1.1	
	2	00	110	1.8	
	3	00	115	2.6	
	4	00	105	1.5	
	5	00	105	1.8	
	6	00	95	1.8	
	7	00	90°	1.8	
	8	00	90	1.5	
	9	00	90	1.5	
	10	00	90	1.5	
	11	00	90	1.1	
	19	05	106	2.2	
	20	00	111	2.2	
	21	00	101	1.7	
	22	15	96	2.2	
30/III	0	20	106	2.2	
	1	20	101	2.2	
	2	15	106	2.2	
	3	15	106	2.2	
	4	00	106	2.6	
	5	00	111	3.3	
	6	00	106	2.6	
	7	10	116	3.0	
	8	00	116	3.0	
	9	00	121	3.0	
	10	00	121	2.6	
	11	25	121	1.8	
	13	15	96	1.1	
	14	00	96	1.5	
	15	00	96	1.5	
	16	00	101	1.5	
	17	00	101	0.8	
	18	00	101	1.1	
	22	00	96	1.1	
	23	00	91	1.1	
31/III	0	30	96	2.2	
	1	00	96	2.2	
	2	05	101	2.6	
	3	00	96	2.6	
	4	00	111	1.8	
	5	00	106	1.8	
	6	25	106	2.2	
	7	00	111	3.0	
	8	00	106	2.6	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	9	00	116°	2.2	
	10	00	101	1.8	
	11	00	101	1.8	
	12	00	106	2.6	
	13	00	101	2.6	
	14	00	96	2.2	
	15	00	91	2.2	
	16	00	86	2.2	
	17	00	91	3.0	
	18	30	86	1.8	
	19	00	86	1.8	
	20	00	86	1.8	
	21	15	71	2.2	
	22	00	71	1.8	
	23	10	76	2.6	
1/IV	0	00	76	2.6	
5/IV	3	30	192	2.6	
	4	00	202	3.3	
	5	00	197	3.3	
	6	25	202°	3.0	
	7	00	197	3.3	
	8	45	207	4.0	
	9	40	202	4.0	
	10	20	202	4.0	
	11	00	207	4.0	
	12	00	207	4.4	
	13	00	207	4.0	
	14	00	207	3.3	
8/IV	2	00	штиль		
	3	00	"		
	4	00	"		
	5	00	"		
	6	00	"		
	7	00	"		
	8	00	"		
	9	00	"		
	10	00	"		
	11	00	"		

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	17	00	штиль		
	18	00	»		
	19	00	95°	1.8	
	20	00	95	1.5	
	21	00	95	2.6	
	22	15	115	2.6	
	23	00	120	3.3	
	23	30	штиль		
28/III	0	00	»		
	1	00	»		
	2	00	»		
	3	00	»		
	4	00	»		
	5	00	»		
	6	00	90	1.1	
	7	00	штиль		
	8	15	70	1.8	
	9	00	70	1.1	
	10	00	100	1.5	
	11	00	105	1.1	
	12	00	105	1.5	
	13	00	105	0.8	
	14	00	105	1.1	
	15	00	штиль		
	16	00	105	1.1	
	17	00	105	1.1	
	19	00	штиль		
	20	00	»		
	21	00	105	1.5	
	22	00	штиль		
	23	00	»		
29/III	0	00	»		
	1	00	110	1.1	
	2	00	110	1.8	
	3	00	115	2.6	
	4	00	105	1.5	
	5	00	105	1.8	
	6	00	95	1.8	
	7	00	90°	1.8	
	8	00	90	1.5	
	9	00	90	1.5	
	10	00	90	1.5	
	11	00	90	1.1	
	19	05	106	2.2	
	20	00	111	2.2	
	21	00	101	1.7	
	22	15	96	2.2	
30/III	0	20	106	2.2	
	1	20	101	2.2	
	2	15	106	2.2	
	3	15	106	2.2	
	4	00	106	2.6	
	5	00	111	3.3	
	6	00	106	2.6	
	7	10	116	3.0	
	8	00	116	3.0	
	9	00	121	3.0	
	10	00	121	2.6	
	11	25	121	1.8	
	13	15	96	1.1	
	14	00	96	1.5	
	15	00	96	1.5	
	16	00	101	1.5	
	17	00	101	0.8	
	18	00	101	1.1	
	22	00	96	1.1	
	23	00	91	1.1	
31/III	0	30	96	2.2	
	1	00	96	2.2	
	2	05	101	2.6	
	3	00	96	2.6	
	4	00	111	1.8	
	5	00	106	1.8	
	6	25	106	2.2	
	7	00	111	3.0	
	8	00	106	2.6	

Продолж. приложения

Дата	Время (московское) ч.	м.	Ветер направление	скорость (м/сек)	Примечание
1	2	3	4	5	6
	14	00	10°	5.4	
	15	00	5	5.4	
	16	00	15	6.0	
	17	15	15	5.1	
	18	00	5	4.0	
	19	05	15	4.8	
	20	00	10	4.4	
	21	00	15	5.1	
	22	00	10	4.8	
	23	00	10	5.1	
25/III	0	00	5	5.1	
	1	05	5	4.8	
	2	05	360	5.4	
	3	00	5	6.0	
	4	00	5	5.1	
	5	00	5	5.1	
	6	10	20	5.4	
	7	45	15	4.0	
	8	00	20	4.0	
	9	00	20	4.0	
	10	00	30	4.8	
	11	00	25	4.4	
	12	00	25	4.0	
	13	00	35	3.3	
	14	30	20	3.0	
	15	00	10	2.6	
	16	30	15	3.3	
	17	00	15	3.0	
	18	00	10	3.0	
	19	00	25	4.0	
	20	00	25	3.3	
	21	00	15	3.3	
	22	00	25	3.7	
	23	00	25	4.0	
26/III	0	00	10	3.7	
	1	20	15	4,4	
	2	20	5	4.0	
	3	10	15	4.4	
	4	00	10°	4.0	
	5	00	15	4.0	
	6	15	15	4.0	
	7	15	15	2.6	
	8	00	20	2.6	
	9	15	30	3.3	
	10	20	30	3.0	
	11	20	40	1.8	
	12	20	40	1.5	
	13	00	45	1.5	
	14	00	35	1.1	
	15	00	45	1.5	
	16	00	45	1.5	
	17	00	45	0.8	
	18	00	штиль		
	19	00	"		
	20	00	"		
	21	00	"		
	22	00	"		
	23	00	"		
27/III	0	00	"		
	1	00	"		
	2	00	"		
	3	00	"		
	4	00	"		
	5	00	"		
	6	00	"		
	7	00	"		
	8	00	"		
	9	00	"		
	10	00	"		
	11	00	"		
	12	00	"		
	13	00	"		
	14	00	"		
	15	00	"		
	16	00	"		