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2.1	22
2.2	25
2.3	28
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	40
	43

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[24].

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(48°38'13" . . 100°01'25" . .).

. . . 1931 .

[11].

160 . -
47°11 58 . . 101°29 21 . .

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705 .

430 . -
49°58 53 . . 97°07 39 . .

100
200 . -
40 .

(50 °42 45 . . 79°56 29 . .).

[10].

600 .
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(51°08 . . 71°26 . .).

570 .

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340

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[9].

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, 71°50 . . 94°45 . .

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, 7°12 . . 80°52 . .

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, 65°35 . . 168°05

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, 52°24

. . 55°40 . .

83°37 39 . . 32°39 52 . .

9000

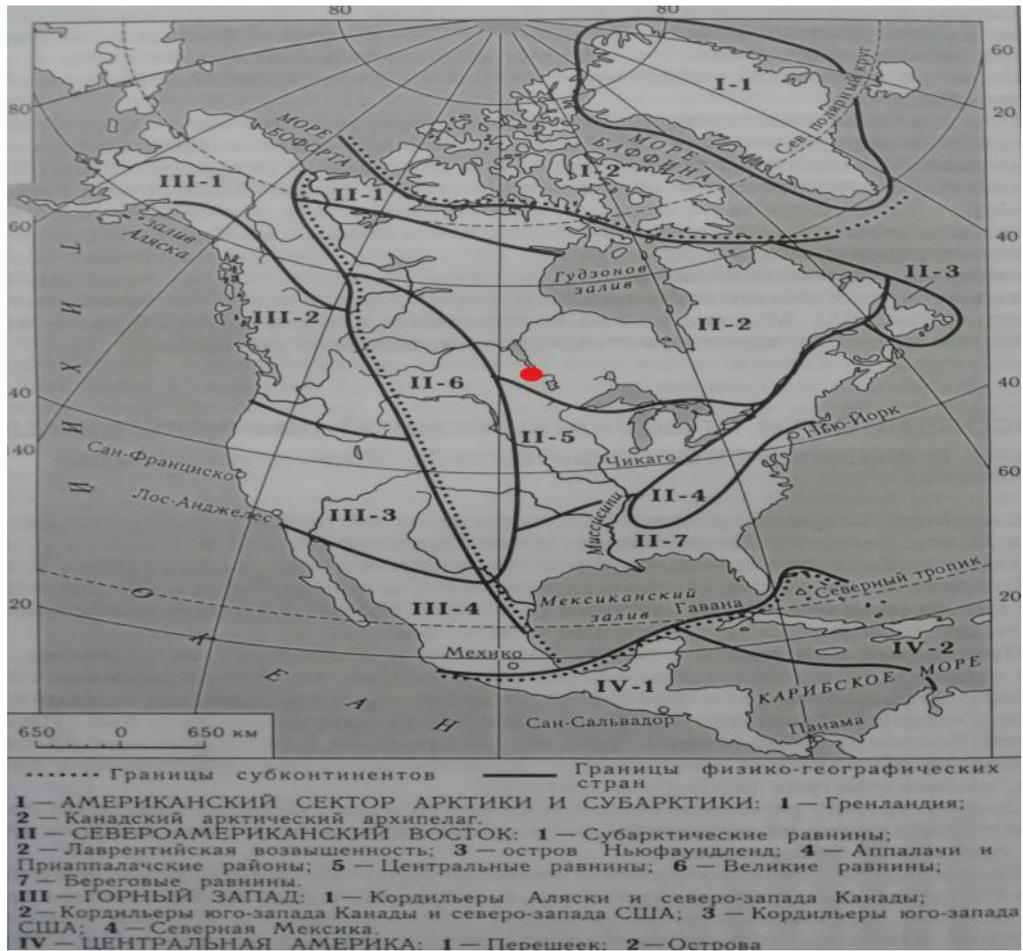
2400

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(.1.1).

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[9]

2.

200 500

1621 ().

1100 [21, c. 45].

3000

[7, c. 224].

1738

4200

6-7

[6, c.123].

[5, c. 144].

54,9 . 2,

2,75 . 2.

[8].

— (), 77°43' . . —

— () 1°16' . . —

— (), 9°31' . . —

— (), 169°42' . . —

8 .

16 . .

[12, c. 87].

(- (8848).

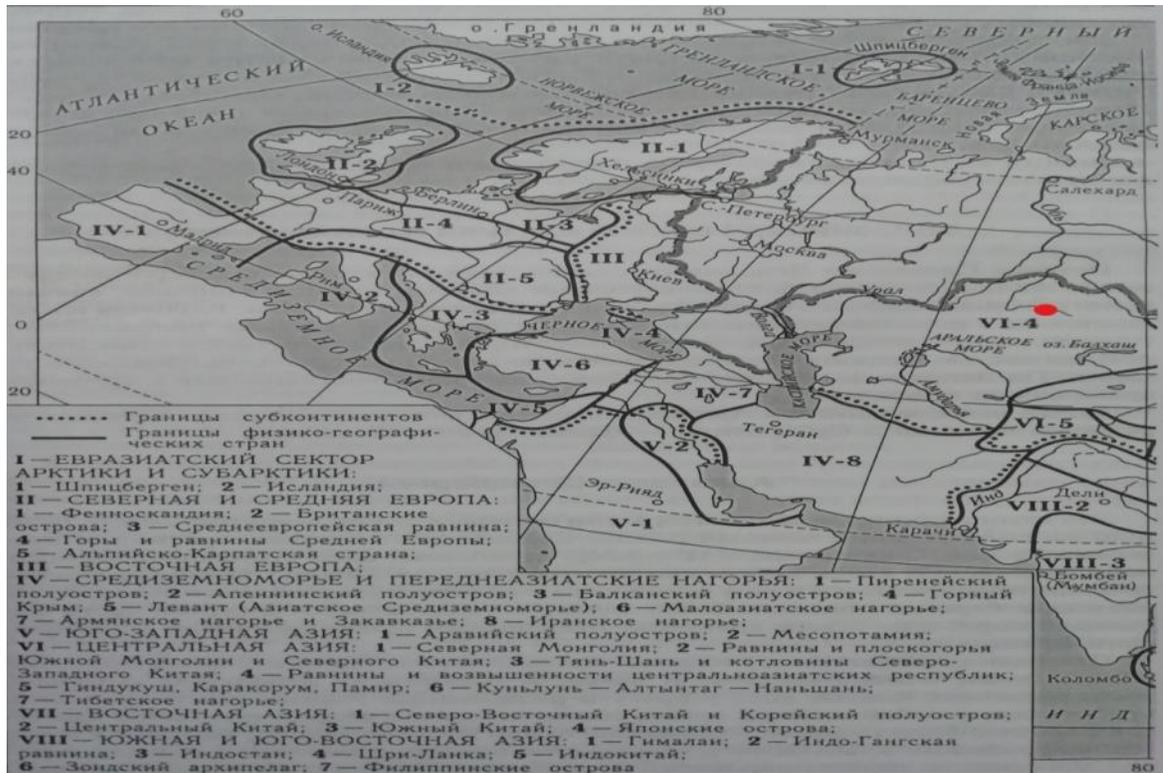
[20, с.

81].

[14, с. 160].

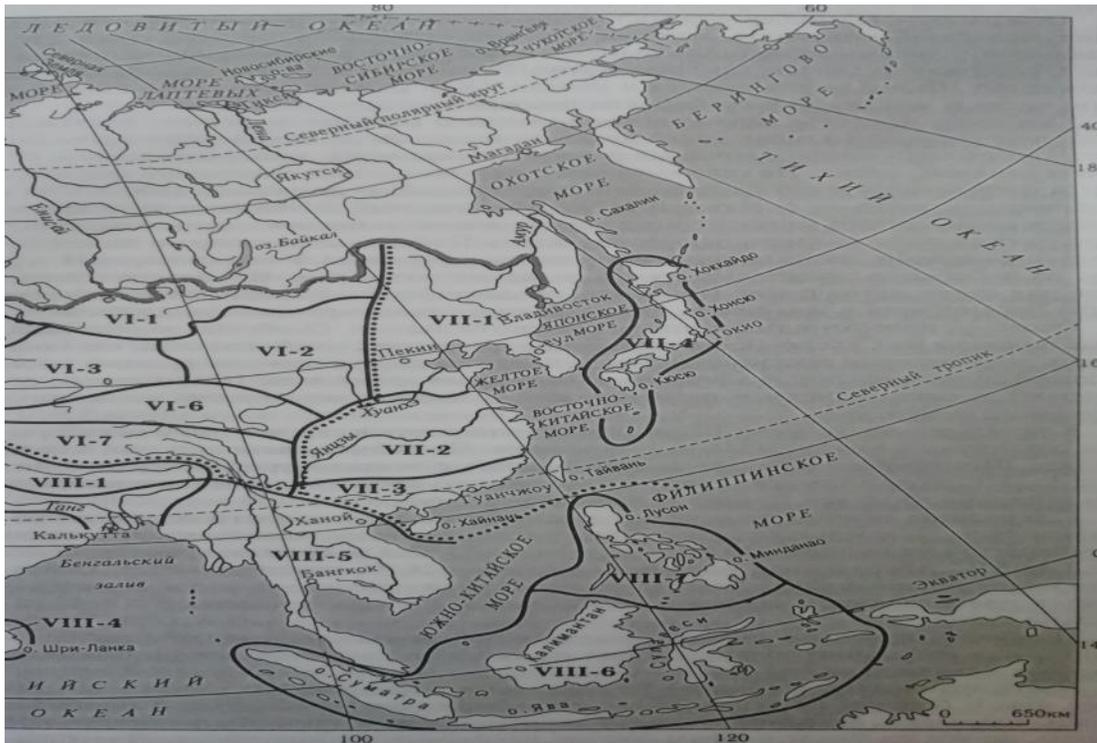
(.1.2).

.1.2



[21, с.118].

.1.3.



.1.3.

[8]

80 %.

[6, с. 156].

1.3

« »,

3350 / 2 (80
/ 2) 7550 / 2 (180 / 2) -
40° . .

[25].

. 40° . . . (.) .

, [19, c. 108].

30° . . . [15, c.487].

-36 ° -44 ° . +30 ° . -86 + 56.7 ° .

-44°

-35 ° .

0 °

20 ° ,

40 ° .

0 ° ,

-10 °

30 ° .

30-28° . .

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7 ().
-26 ° ,
-12 ° .
-50 ° .
60 -
70 .
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40 -50 .
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17 -18 ° ,
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13-14 ° .
10 -11° .
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: 2520 / 2 (60 / 2),
 2940 5880 (70 140 / 2), -
 — 5000-7570 (120-180 / 2),
 8400-9240 (200-220 / 2).

50° . . .

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() 30° . . .

[15, c. 316].

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-25...-30 ° ,

-55

+15...+20 ° .

[26, c. 219].

+30 ° .

400

(, ,)

(, ,),

20...-25 ° ,

300 .

150 ,

300 ,

100-

+26...+27° ,

2000 .

150-300 .

+15,8° ,

+13,7° .

+0,4 ° .

+53° , - -

, -60° .

, - . ,
300-600 .
-21 ° , +23 ° .
+40 ° . ,
-60 ° .
+24 ° ,
+43 ° . -13 ° .
+10
, -15,
-35...-40 ° .
+45 ° .

2

2.1

+ 2.4 ° (.2.1) [18].

2.1

1985-2015 .¹

, °C					
	., °C	., °C	., °C	., °C	°C
	7.8	-42.2	-13.2	-23.6	-18,3
	11.7	-45	-9.7	-20.6	-15,1
	23.3	-37.8	-1.8	-12.4	-7
	34.3	-26.3	9.8	-2.3	3,8
	37.0	-11.1	18.6	4.5	11,6
	37.8	-3.3	23.4	10.4	16,9
	37.8	1.1	26.1	13.4	19,8
	40.6	0.6	24.9	11.7	18,3
	38.8	-7.2	18.6	6.1	12,4
	30.5	-17.2	11.3	0.1	5,7
	23.9	-34	-0.4	-9.2	-4,7
	11.7	-37.8	-9.9	-19.4	-14,6
	40.6	-45	8.1	-3.4	2.4

, ,
-
, ,
-23
° , -45 ° .
-20.2° .
-7 ° +11.6 ° , + 12.4
° -4.7 ° .
+30 ° , 14
2011,
40.6 ° .
+19.8 °C, +24.8 °C.
+3.5 ° [17].
+5.2 ° .
9.9 ° .
-25 ° ...-30 ° .

1893 . (-51.6 °),

-40°

-14.8 °

(. 2.2).

2.2

1985-2015 .²

, °C					
	., °C	., °C	., °C	., °C	°C
	3.4	-51.6	-9.9	-18.3	-14.2
	4.8	-48.9	-9.2	-18.5	-14.1
	22.1	-38	-2.5	-11.5	-7.1
	29.7	-27.7	10.9	0.2	5.2
	35.7	-10.8	20.2	7.9	13.9
	40.1	-1.5	25.8	13.2	19.5
	41.6	2.3	26.8	15.0	20.8
	38.7	-2.2	25.2	12.8	18.8
	36.2	-8.2	18.8	6.6	12.3
	26.7	-25.3	10	0.2	4.6
	18.5	-39.2	-1.4	-8.9	-5.4
	4.5	-43.5	-8	-16.1	-12.1
	41.6	-51.6	8.9	-1.5	3.5

+10.9 ° ,

+13.9 ° .

+20.8 ° ,

1936 . -

+41.6 ° .

+4.6 ° ,

-25.3 °

1914 .

5-10 .

2.2

[13, c. 283].

83.8 (. 2.3)

14.8 .

504.6 ,

23.1 ,

2

59.8 [4].

25 ,

1985-2015 .³

,		
	16	19.3
	15	14.8
	18	23.1
	21	35.9
	35	59.8
	37	83.8
	50	72
	29	75.3
	22	51.3
	27	29.5
	28	21.2
	22	18.6
	320	504.6

320 (. 2.3),

50

15 [3].

100%

2.4

1985-2015 .⁴

, %		
	78	74
	77	72
	79	76
	64	64
	54	64
	53	72
	59	72
	57	72
	59	74
	68	75
	80	80
	79	80
	67	73

72%

80%.

73% (. 2.4) [4].

60%.

53% [3].

80%,

75%.

67% (. 2.4).

2.3

35° 65°

[22, c.

195].

4.5 / (. 2.5).

4.9 / .

3.7 / .

24%

16%.

11% [2].

2.5

1985-2015 .⁵

, /c		
	3.7	4.6
	3.9	4.6
	3.7	4.9
	3.7	4.8
	3.5	4.8
	3.1	3.9
	2.8	3.7
	2.8	4.2
	3.1	4.4
	3.5	4.6
	3.7	4.7
	3.8	4.7
	3.4	4.5

3.5 /c (. 2.5).

2.8 /c

3.9 /c.

1 / ,

- 20%

18%.

6% [1].

[23, с.

268].

8

14

5
66 8

[16, . 132].

2.6

1985-2015 .⁶

	0.9	12.7	17.3	9.9
	0.6	10.6	17	7.9
	1	11.6	18.4	10.1
	4.6	16.3	9.1	7.7
	7.5	17.5	6.1	11.5
	6.1	19.3	4.6	13.6
	9.4	19.9	1.7	11.7
	11.7	16.8	2.5	8.9
	9.7	14.6	5.7	8.3
	7.2	14.4	9.2	7.5
	2.9	12	15.1	8.2
	1.1	11.9	18	9.5

⁶

	62.7	177.6	124.7	114.8
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62.7

(. 2.6).

11.7

124.7

177.6

1.7 , 18.4

2.6

0.6

11.7

34.2

13.6 , 7.5 [2].

2.7

1985 -2015 .⁷

	2.8	10.9	17.3	9.7
	1.5	11.3	15.4	8.5
	1.5	8.5	20.9	8.9
	6.1	13.6	10.3	8.4
	8.5	17.5	5	10.7
	9.7	17	3.3	10.6
	7.8	18.7	4.5	13.8
	9	17	5	9.1
	9.4	14.3	6.4	6.5
	7.9	11.6	11.5	9
	3.4	8.6	17.8	10.2
	2.7	9.6	18.7	10.5
	70.3	158.6	136.1	115.9

⁷

1.5 (. 2.7).

9.7 .

1.5 .

136.1 .

18,7 .

3.3 .

115.9 ,

32% .

13.8

, 6.5 [1].

4.8

(. 2.8). 5.8 .

3.8 [2].

2.8

, 1985-2015 .⁸

	3.8	7.2	4.1	5.2
	2.9	6.6	3.5	4.7
	3.4	6.5	4.0	5.0
	3.1	6.5	3.0	4.5
	3.2	6.5	3.5	4.9
	3.1	6.2	3.7	4.9
	3.5	6.3	2.6	3.8
	3.1	5.9	2.9	3.8
	3.1	6.0	3.1	4.3
	4.0	6.7	4.4	5.5
	4.8	7.2	4.4	5.5
	4.3	7.4	4.9	5.8
	3.5	6.6	3.7	4.8

⁸

6.6 , 3.5

(.2.8).

3

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(22-28)

(22-28)

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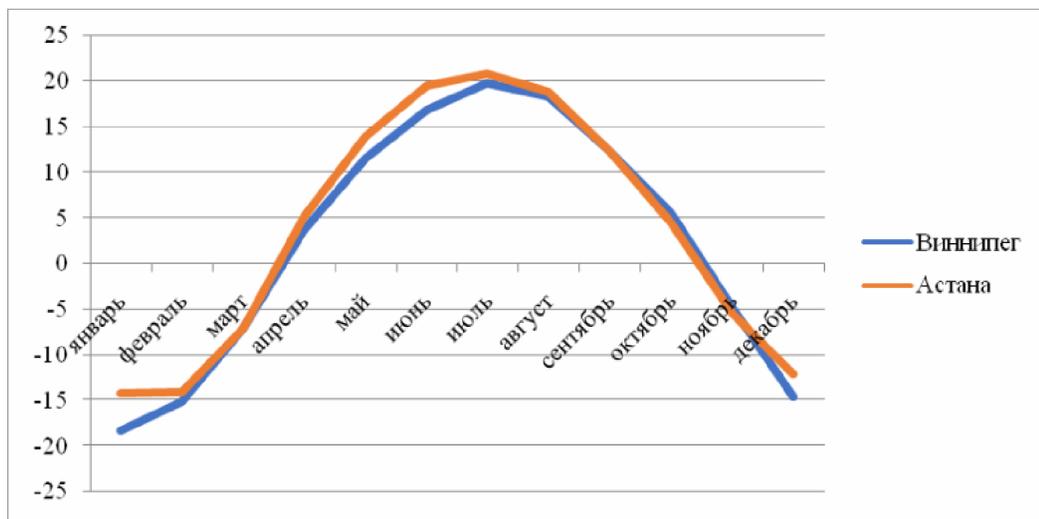
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(. 3.1)



. 3.1.

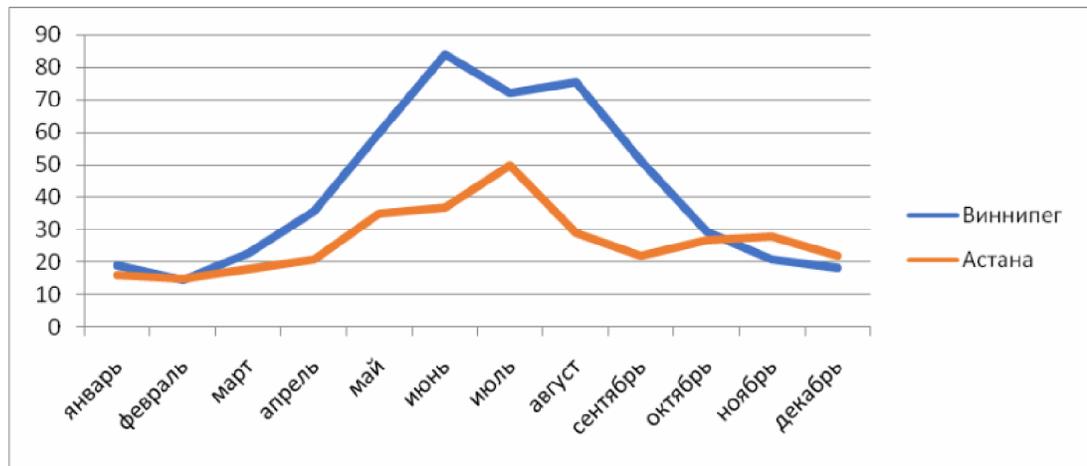
9

+3.5° (

).

+2.4° ,

-51.6° ,

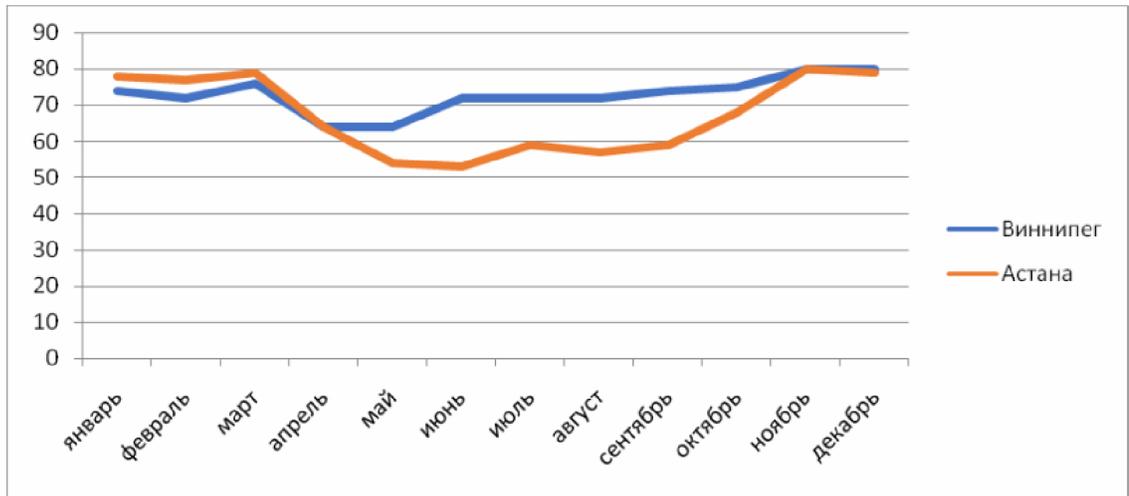


. 3.2.

10

504 , 1.5
320 (. 3.2).

2



. 3.3

11

64-80% (. 3.3).

,

80% 53%.

:

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4.5 / .

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—

80%

,

53% -

—

2.8 / c,

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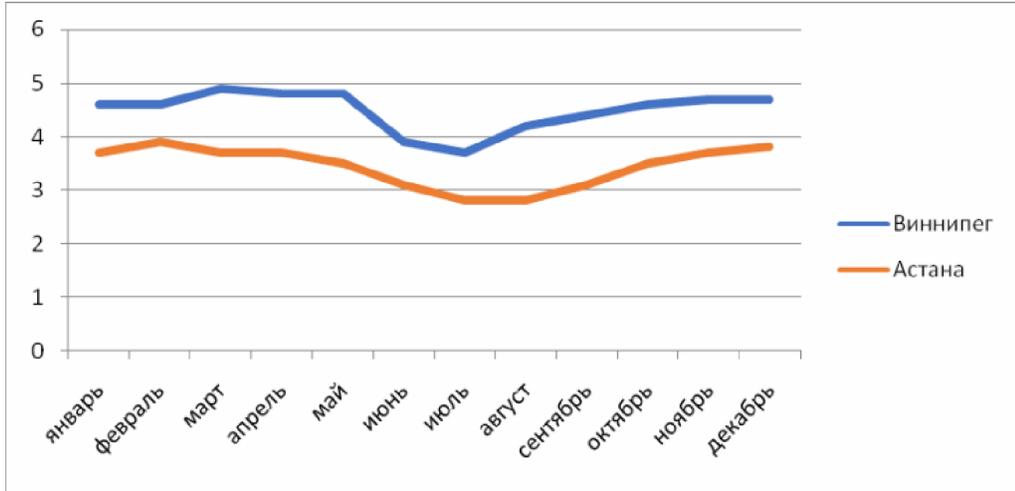
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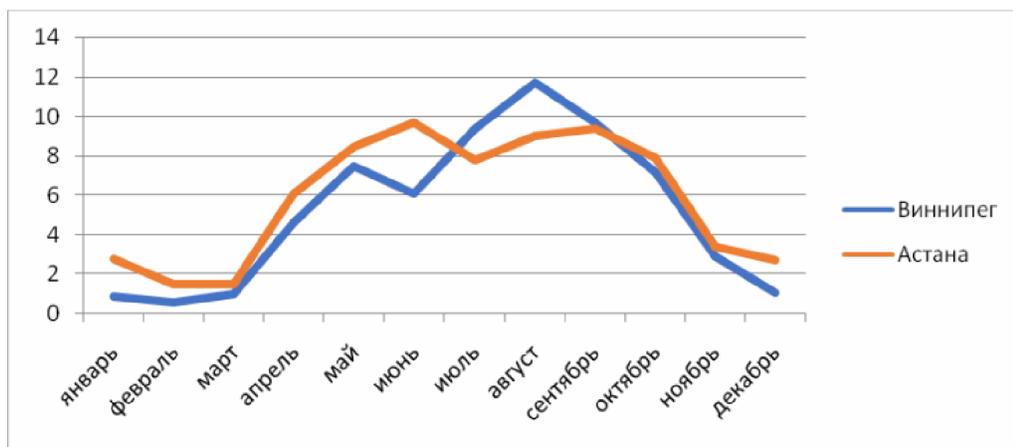
. 3.4

12

4.5 / ,

3.4 / . (. 3.4).

70.3 (. 3.5).



. 3.5.

- :
1. (47°11 58 . . 101°29 21 . .).
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 500 . .
 705 .
 430 - .
 2. (49°58 53 . . 97°07 39 . .) -
 , -
 230 .
 ,
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 3. 40 .
 , (50°42 45 . . 79°56 29 . .).
 ,
 4. (51°08 . . 71°26 . .)
 , 340
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 5. ,
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6.

1.5

7.

12%.

8.

9.

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1. []. URL:
https://www.meteoblue.com/ru/ / /modelclimate/ - _1526273 (: 21.04.2019)
2. []. URL:
https://www.meteoblue.com/ru/ / /modelclimate/ _6183235 (: 21.04.2019)
3. []. URL:
<http://www.pogodaiklimat.ru/weather.php?id=35188> (: 23.04.2019)
4. []. URL:
<http://www.pogodaiklimat.ru/weather.php?id=71579> (: 23.04.2019)
5. И. . . – .: , 1947. – 356 .
6. . ., . ., . ., . .
(). – .: , 1984. – 426 .
7. . ., . ., . .
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– .: « », 2007. – 638 .
8. []. URL:
<https://geographyofrussia.com/geograficheskaya-xarakteristika-evrazii/> (: 22.04.2019)
9. []
]. URL: <https://geographyofrussia.com/geograficheskaya-xarakteristika-severnoj-ameriki/> (: 22.04.2019)
10. []. URL:
https://ru.wikipedia.org/wiki/# _ (: 26.04.2019)

11. []. URL:
<http://batrachospermum.ru/2017/01/center-north-america-center/> (: 26.04.2019)
12. . . . : -
 , 2001. – 320 .
13. - :
 1989. – 568 .
14. B.C. . - : - . - , 1989. -
 272 .
15. - : , 1977. -
 711 .
16. - : , 1978. – 241 .
17. []. URL:
<https://ru.wikipedia.org/wiki/> - - (:
 28.04.2019)
18. []. URL:
<https://ru.wikipedia.org/wiki/> # - - (:
 28.04.2019)
19. I. . -
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 1978. – 191 .
21. . . . - . - : -
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22. ,
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 331 .
23. : /
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2007. – 416 .

24. []. URL:
<https://ru.wikipedia.org/wiki/> – (:
26.04.2019)
25. []. URL:
<https://geographyofrussia.com/klimatoobrazuyushhie-factory-2> (:
28.04.2019)
26. . . . – . : ,
1972. – 394 .