

# Atmospheric electricity

by Kritskiy. D.



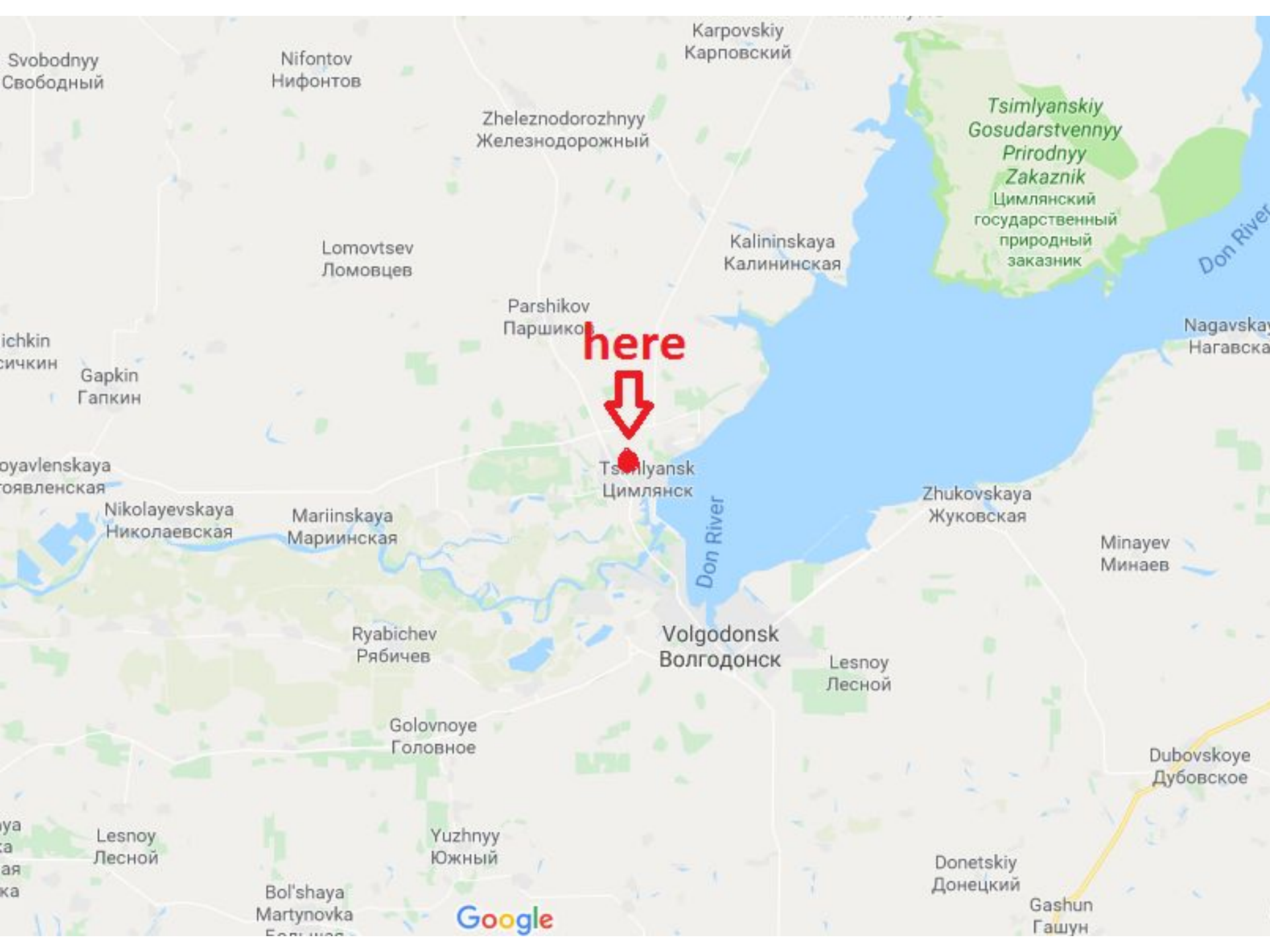
# Charged particles



- Temperature

- Wind

- Turbulence



Svobodnyy  
Свободный

Nifontov  
Нифонтов

Karpovskiy  
Карповский

Zheleznodorozhnyy  
Железнодорожный

Tsimlyanskiy  
Gosudarstvennyy  
Prirodnyy  
Zakaznik  
Цимлянский  
государственный  
природный  
заказник

Don River

Lomovtsev  
Ломовцев

Kalininskaya  
Калининская

ichkin  
ичкин

Gapkin  
Гапкин

Parshikov  
Паршико

here



Tsimlyansk  
Цимлянск

Nagavskaya  
Нагавская

oyavlenskaya  
оявленская

Nikolayevskaya  
Николаевская

Mariinskaya  
Мариинская

Don River

Zhukovskaya  
Жуковская

Minayev  
Минаев

Ryabichev  
Рябичев

Volgodonsk  
Волгодонск

Lesnoy  
Лесной

Golovnoye  
Головное

Dubovskoye  
Дубовское

уа  
а  
ка

Lesnoy  
Лесной

Yuzhnyy  
Южный

Donetskiy  
Донецкий

Bol'shaya  
Martynovka  
Большая  
Мартыновка

Google

Gashun  
Гашун

# 2017

January						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February						
Su	M	Tu	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March						
Su	M	Tu	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September						
Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November						
Su	M	Tu	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December						
Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

# Measured values:

Temperature (T)

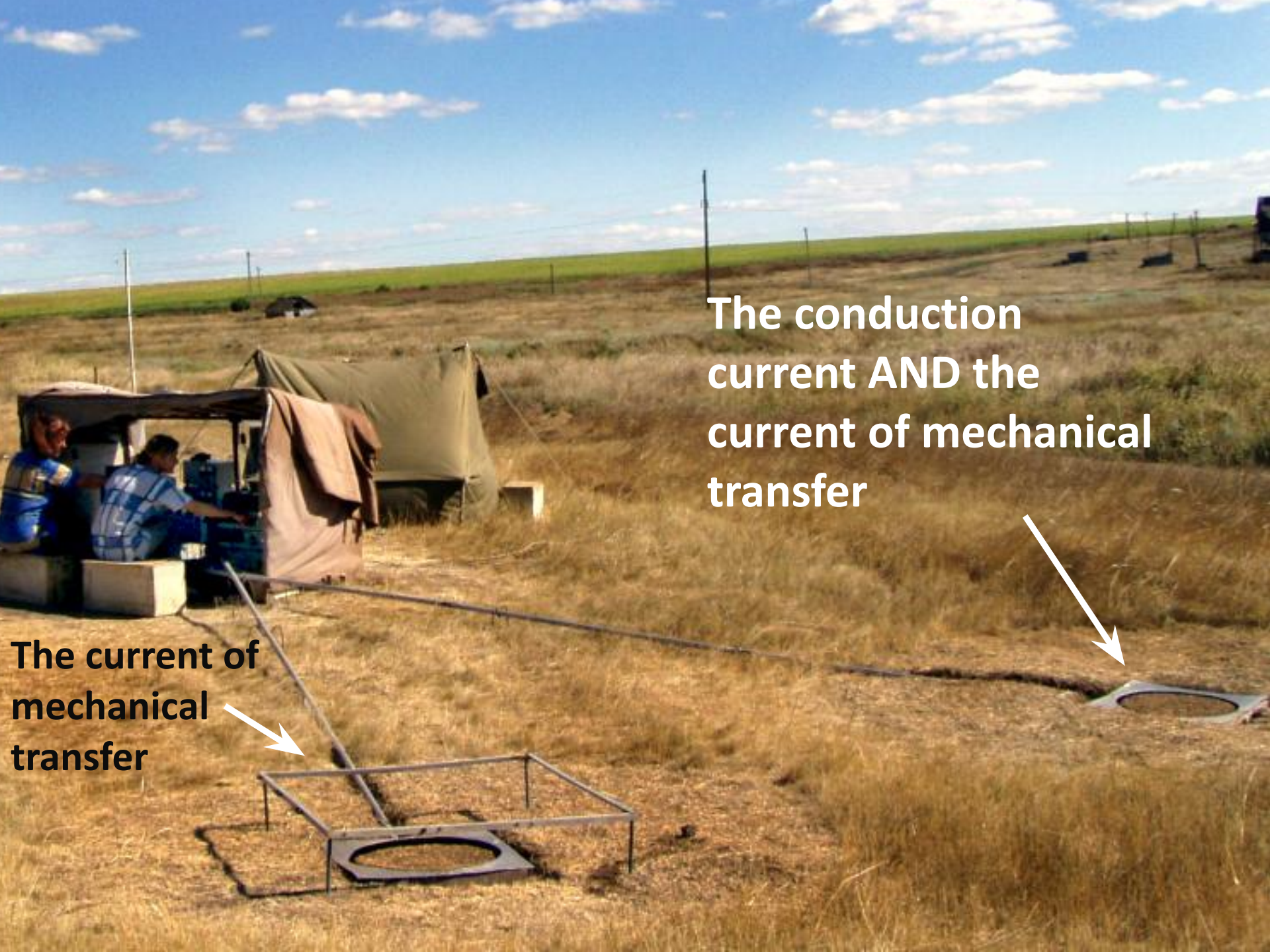
Wind speed (U)

Turbulence (D)

**the conduction current ( $j_c$ )**

**the current of mechanical transfer ( $j_m$ ) \***

\* measurements were taken every hour



The conduction current AND the current of mechanical transfer

The current of mechanical transfer





**Thanks for attention!**