

Project:
Ugashik

Description:
Data from file(s)
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 010606.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 010910.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 011015.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 011119.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 011211.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 020127.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 020226.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 020416.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 020512.csv
Y:\5000\shared\Anemometer_Loan_Programs\Completed_Sites\Native American\Ugashik - AK\Ugashik Wind Data\Ugashik 020601.csv

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Meteo data report, height: 20.0 m

Name of meteo object: Ugashik

Data from: 06/06/2001 4:30 PM Data to: 07/31/2002 12:10 PM Observations: 60455 Observations per day: 144 Recovery rate: 100%

day	06/01	07/01	08/01	09/01	10/01	11/01	12/01	01/02	02/02	03/02	04/02	05/02	06/02	07/02	08/02
1		144	144	144	144	(137)	(71)	(142)	(143)	(143)	144	144	144	144	
2		144	(140)	144	144	(133)	(143)	(96)	144	144	144	144	144	144	144
3		144	144	144	144	144	(132)	(128)	144	144	144	(143)	144	144	
4		144	144	(143)	(143)	144	(138)	144	144	144	144	(129)	(143)	144	
5		144	144	144	144	(143)	(132)	144	144	(143)	(143)	(141)	144	(143)	
6	(45)	144	144	144	144	144	144	(139)	144	144	144	144	144	(143)	144
7	(138)	144	(143)	144	144	(133)	(142)	144	(143)	144	144	(140)	144	144	
8	(141)	144	144	144	144	144	144	144	(141)	144	(142)	(142)	144	(140)	
9	(142)	(143)	144	144	144	144	144	(141)	(140)	144	(142)	144	144	(141)	
10	(130)	144	144	144	144	(139)	(143)	144	144	144	144	144	(140)	(138)	
11	144	(143)	144	(143)	(142)	144	144	144	144	(141)	144	144	(134)	144	
12	144	(141)	144	144	144	144	144	144	144	144	144	(142)	144	144	
13	144	(121)	144	(138)	(142)	144	144	144	144	(139)	144	(143)	(136)	144	
14	144	(143)	144	144	(118)	144	144	144	144	(143)	144	(140)	(141)	(140)	
15	144	144	144	144	144	144	144	144	144	144	144	144	144	(138)	
16	144	144	(142)	(142)	144	144	(143)	144	144	144	144	144	(140)	(133)	
17	144	144	(142)	144	144	144	(141)	(141)	144	(118)	144	(143)	144	144	
18	(143)	144	144	144	144	144	144	144	144	(139)	144	144	(143)	(142)	
19	(143)	144	144	144	144	144	144	144	(138)	144	(143)	144	144	(138)	
20	144	144	144	144	144	(128)	144	144	144	144	144	144	144	144	
21	144	(136)	144	144	(139)	(143)	144	144	144	144	144	144	144	(143)	144
22	144	144	144	144	144	(136)	144	144	144	144	144	144	(139)	144	
23	144	144	144	144	144	(133)	144	(142)	144	144	(143)	144	144	(129)	
24	144	144	(131)	144	(141)	144	144	144	144	144	144	144	144	(142)	(138)
25	144	(141)	(127)	144	144	144	(141)	144	144	(140)	144	144	144	(141)	144
26	144	144	(132)	144	(143)	144	(135)	144	(142)	144	144	144	144	(143)	144
27	144	144	144	144	(141)	144	(97)	144	144	144	144	144	144	144	
28	144	144	(143)	(129)	144	144	(89)	144	144	144	144	144	144	144	144
29	144	(140)	(140)	144	144	(84)	144	144		144	144	144	144	144	
30	144	144	(143)	144	144	(0)	144	(108)		144	144	144	144	144	
31		144	(140)		(142)		144	(87)		144		144		(74)	
%	(99)	(99)	(99)	(99)	(99)	(94)	(95)	(96)	(100)	(99)	(100)	(99)	(99)	(97)	(0)

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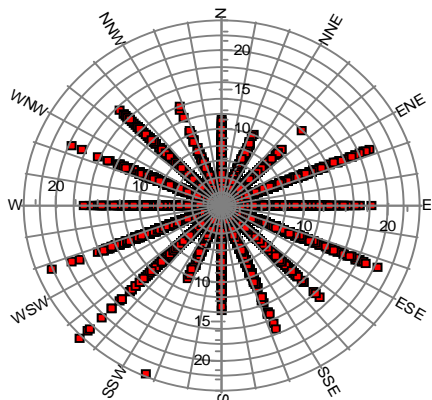
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Meteo data report, height: 20.0 m

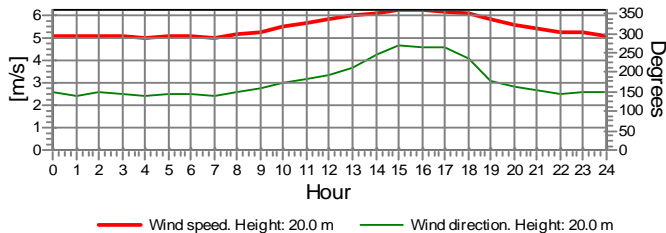
Name of meteo object: Ugashik



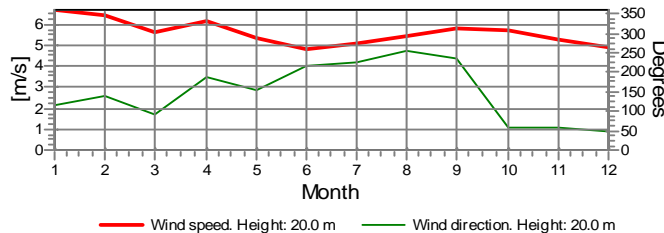
Wind speed [m/s]

Monthly mean values of wind speed in m/s

Month	2001	2002	mean	mean of months
Jan	6.7	6.7	6.7	6.7
Feb	6.5	6.5	6.5	6.5
Mar	5.6	5.6	5.6	5.6
Apr	6.1	6.1	6.1	6.1
May	5.4	5.4	5.4	5.4
Jun	4.8	4.9	4.8	4.8
Jul	5.0	5.3	5.1	5.1
Aug	5.4	5.4	5.4	5.4
Sep	5.8	5.8	5.8	5.8
Oct	5.7	5.7	5.7	5.7
Nov	5.3	5.3	5.3	5.3
Dec	4.9	4.9	4.9	4.9
mean, all data	5.3	5.8	5.5	
mean of months	5.3	5.8		5.6

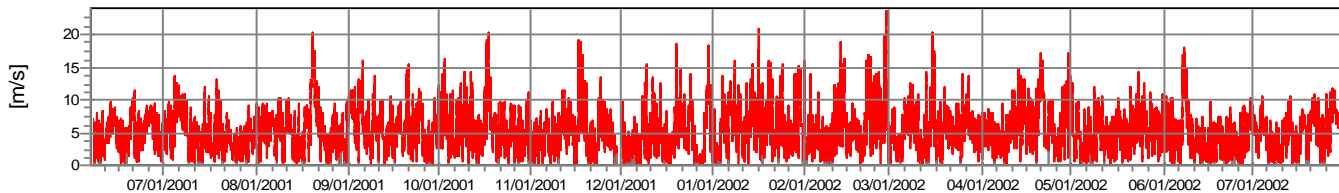


— Wind speed. Height: 20.0 m — Wind direction. Height: 20.0 m

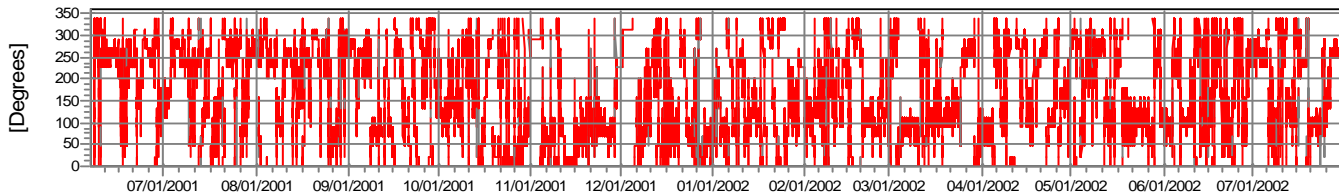


— Wind speed. Height: 20.0 m — Wind direction. Height: 20.0 m

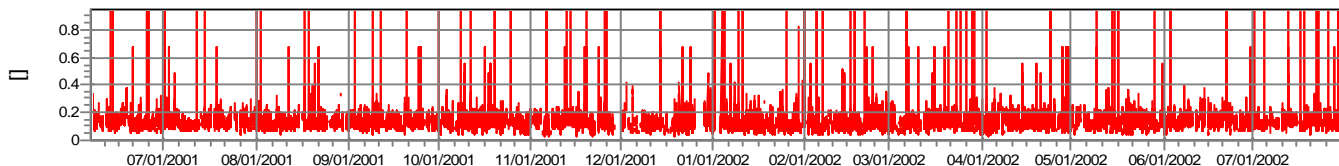
Wind speed



Wind direction



Turbulence intensity V > 4.0 m/s



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Frequency

Wind speed m/s	Sum	N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW
0.00 - 0.49	415	30	48	53	18	19	35	24	37	40	15	35	61
0.50 - 1.49	3,452	204	257	403	169	197	446	179	241	486	183	278	409
1.50 - 2.49	5,409	253	343	656	345	474	772	318	349	689	268	424	518
2.50 - 3.49	7,530	343	480	1,185	752	616	1,023	351	475	837	329	465	674
3.50 - 4.49	8,092	326	410	1,293	958	600	1,130	272	291	1,060	493	641	618
4.50 - 5.49	7,850	326	302	1,131	971	551	944	242	227	1,358	634	688	476
5.50 - 6.49	7,434	282	270	950	1,001	532	854	231	148	1,357	859	567	383
6.50 - 7.49	5,516	136	137	543	757	470	650	122	71	1,203	841	417	169
7.50 - 8.49	4,274	94	91	290	666	444	521	98	30	1,026	613	287	114
8.50 - 9.49	3,229	65	40	159	509	411	399	61	26	747	527	170	115
9.50 - 10.49	1,923	46	10	125	269	206	208	35	8	431	342	146	97
10.50 - 11.49	1,366	16	1	117	205	134	146	27	4	284	204	155	73
11.50 - 12.49	1,003	1	0	87	191	95	80	23	1	218	135	113	59
12.50 - 13.49	662	0	0	75	129	67	51	9	0	152	83	49	47
13.50 - 14.49	472	0	0	31	95	57	35	3	0	117	55	21	58
14.50 - 15.49	281	0	0	27	52	39	24	2	0	65	30	12	30
15.50 - 16.49	175	0	0	22	37	23	17	0	0	25	22	2	27
16.50 - 17.49	131	0	0	14	13	24	18	1	0	26	7	6	22
17.50 - 18.49	67	0	0	24	6	9	2	0	0	19	0	5	2
18.50 - 19.49	41	0	0	13	2	10	1	0	0	8	0	6	1
19.50 - 20.49	11	0	0	0	0	5	0	0	0	3	0	3	0
20.50 - 21.49	5	0	0	0	0	1	0	0	0	4	0	0	0
21.50 - 22.49	9	0	0	0	0	0	0	0	1	8	0	0	0
22.50 - 23.49	14	0	0	0	0	0	0	0	4	10	0	0	0
23.50 - 24.49	9	0	0	0	0	0	0	0	5	4	0	0	0
Sum	59,370	2,122	2,389	7,198	7,145	4,984	7,356	1,998	1,918	10,177	5,640	4,490	3,953

Turbulence

Wind speed	Sum	N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW
0.00 - 0.49	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.50 - 1.49	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.50 - 2.49	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.50 - 3.49	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.50 - 4.49	0.129	0.150	0.144	0.118	0.124	0.130	0.129	0.132	0.112	0.113	0.147	0.157	0.136
4.50 - 5.49	0.125	0.152	0.142	0.110	0.126	0.131	0.130	0.127	0.100	0.103	0.131	0.156	0.126
5.50 - 6.49	0.132	0.176	0.152	0.113	0.137	0.146	0.141	0.138	0.115	0.108	0.135	0.157	0.127
6.50 - 7.49	0.126	0.164	0.143	0.121	0.137	0.141	0.137	0.127	0.103	0.096	0.122	0.154	0.128
7.50 - 8.49	0.126	0.162	0.139	0.128	0.139	0.138	0.143	0.132	0.105	0.095	0.120	0.154	0.130
8.50 - 9.49	0.130	0.162	0.132	0.135	0.143	0.142	0.153	0.127	0.099	0.098	0.119	0.166	0.140
9.50 - 10.49	0.124	0.161	0.152	0.131	0.140	0.136	0.131	0.125	0.126	0.093	0.116	0.163	0.112
10.50 - 11.49	0.128	0.168	0.150	0.136	0.139	0.141	0.137	0.116	0.218	0.096	0.119	0.161	0.113
11.50 - 12.49	0.124	0.180		0.131	0.141	0.138	0.128	0.118	0.091	0.097	0.115	0.148	0.106
12.50 - 13.49	0.125			0.128	0.142	0.139	0.128	0.115		0.108	0.122	0.140	0.102
13.50 - 14.49	0.116			0.129	0.139	0.127	0.132	0.119		0.094	0.116	0.108	0.098
14.50 - 15.49	0.121			0.134	0.150	0.123	0.129	0.103		0.100	0.111	0.113	0.111
15.50 - 16.49	0.122			0.132	0.135	0.131	0.119			0.102	0.123	0.148	0.109
16.50 - 17.49	0.125			0.136	0.139	0.133	0.129	0.110		0.111	0.126	0.140	0.109
17.50 - 18.49	0.135			0.150	0.135	0.136	0.107			0.122		0.132	0.117
18.50 - 19.49	0.123			0.136	0.124	0.122	0.095			0.103		0.127	0.128
19.50 - 20.49	0.115					0.121				0.105		0.113	
20.50 - 21.49	0.107					0.135				0.100			
21.50 - 22.49	0.088								0.109	0.085			
22.50 - 23.49	0.088								0.091	0.087			
23.50 - 24.49	0.092								0.098	0.083			
Sum	0.127	0.161	0.145	0.118	0.135	0.138	0.137	0.130	0.107	0.101	0.126	0.156	0.125

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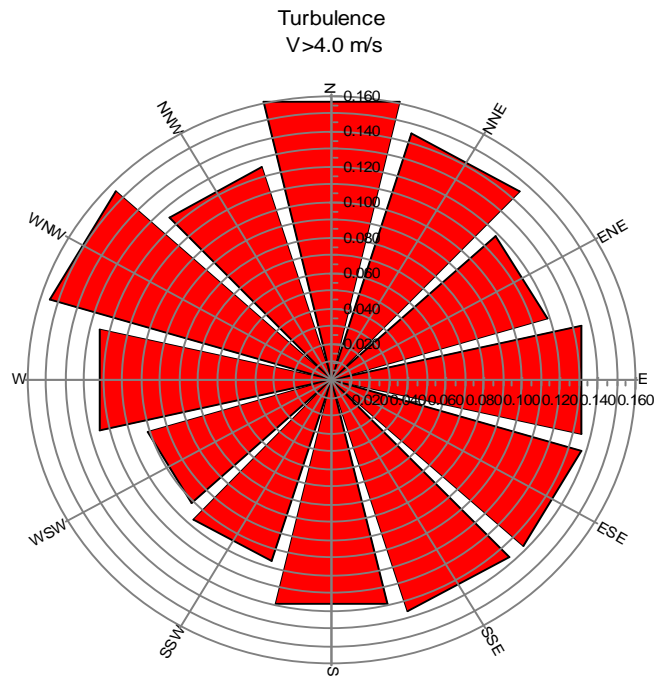
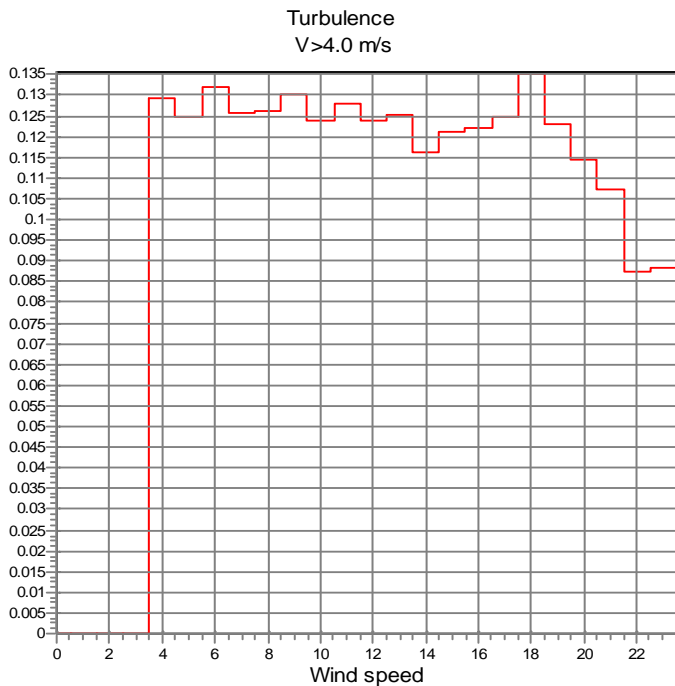
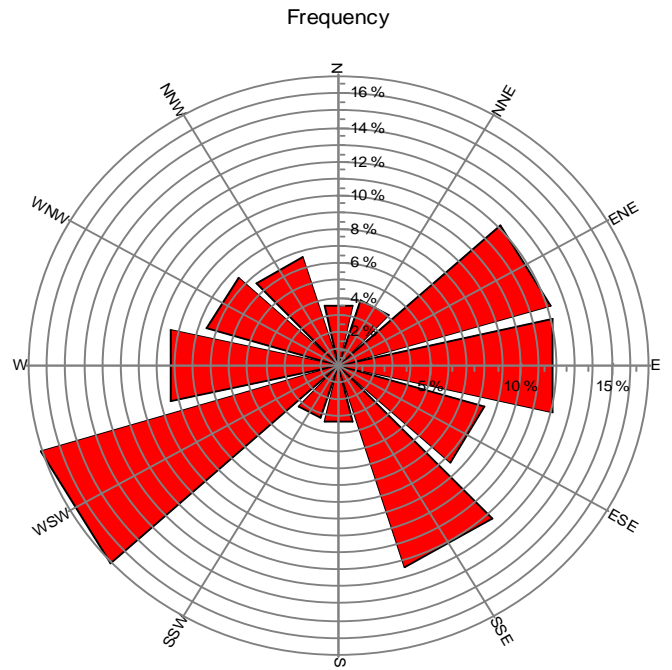
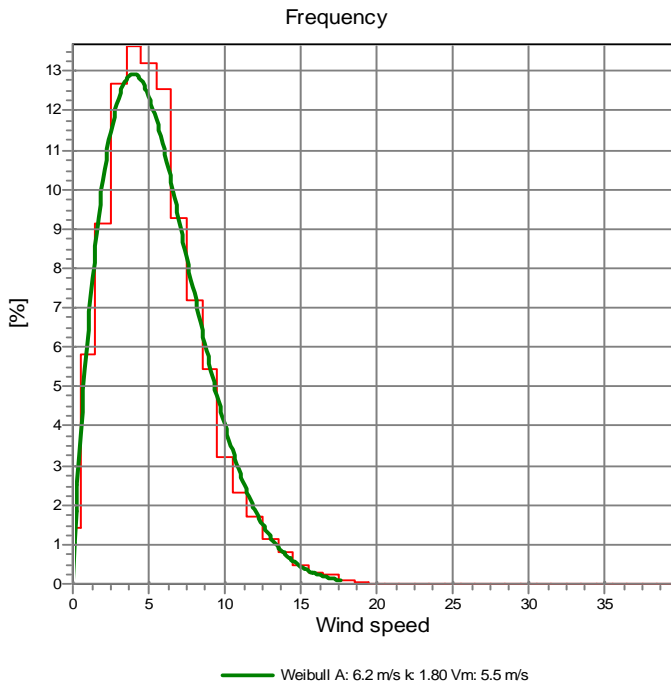
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07/24/2006 9:24 AM/

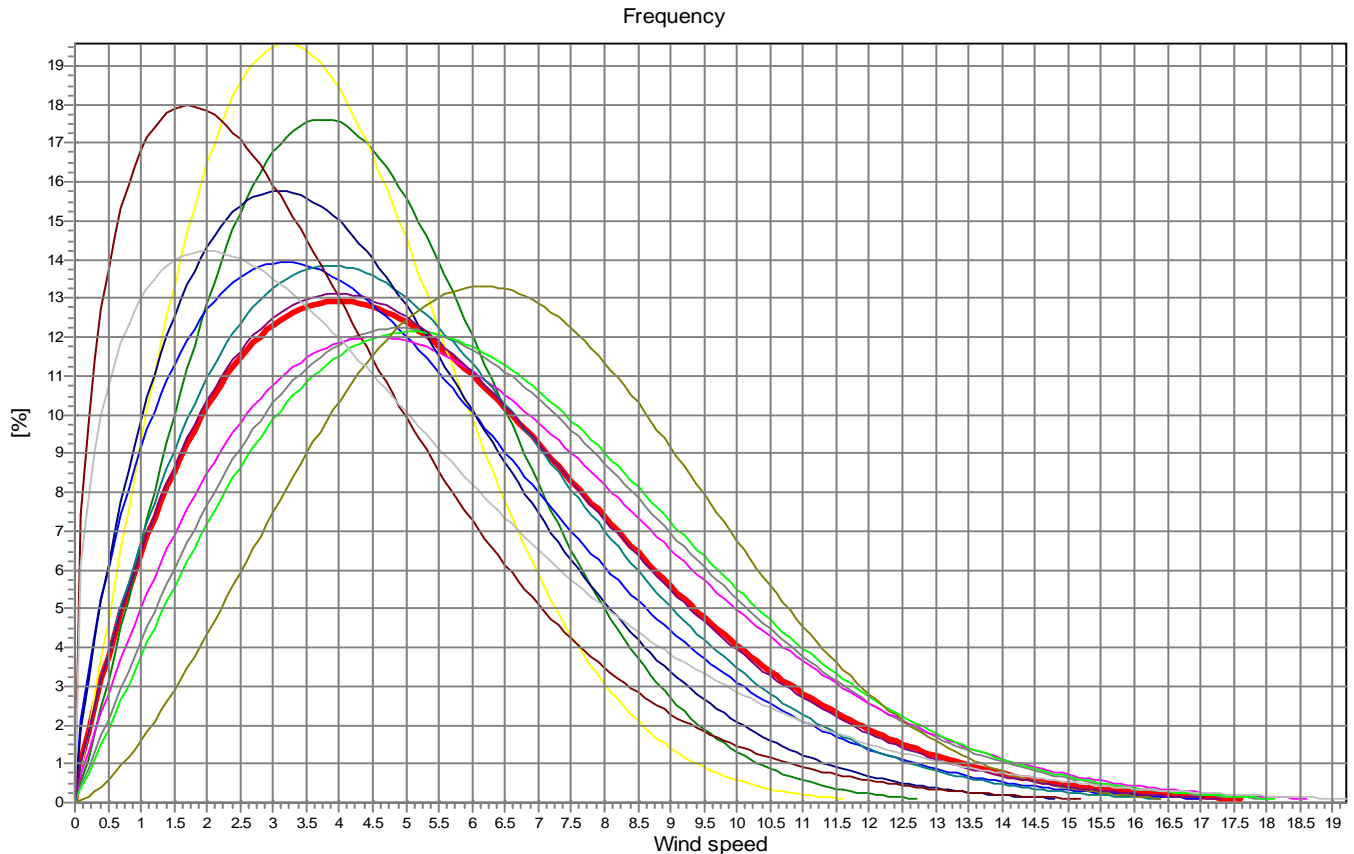
Meteo data report, height: 20.0 m

Name of meteo object: Ugashik

Weibull Data

k-parameter correction: 0.0080/m

Sector	A- parameter [m/s]	Mean wind speed [m/s]	k- parameter	Frequency	Frequency [%]	Wind shear
0-N	5.06	4.48	2.118	3.57	3.6	0.00
1-NNE	4.44	3.93	2.040	4.02	4.0	0.00
2-ENE	5.55	4.96	1.657	12.12	12.1	0.00
3-E	6.97	6.18	1.981	12.03	12.0	0.00
4-ESE	6.84	6.08	1.866	8.39	8.4	0.00
5-SSE	5.90	5.24	1.846	12.39	12.4	0.00
6-S	5.02	4.47	1.744	3.37	3.4	0.00
7-SSW	4.10	3.73	1.412	3.23	3.2	0.00
8-WSW	7.12	6.31	2.021	17.14	17.1	0.00
9-W	7.57	6.72	2.493	9.50	9.5	0.00
10-WNW	6.16	5.48	1.812	7.56	7.6	0.00
11-NNW	5.16	4.72	1.371	6.66	6.7	0.00
mean	6.23	5.54	1.802	100.00	100.0	0.00



— Total A: 6.2 m/s k: 1.80 Vm: 5.5 m/s
 — N A: 5.1 m/s k: 2.12 Vm: 4.5 m/s
 — NNE A: 4.4 m/s k: 2.04 Vm: 3.9 m/s
 — ENE A: 5.5 m/s k: 1.66 Vm: 5.0 m/s
— E A: 7.0 m/s k: 1.98 Vm: 6.2 m/s
 — ESE A: 6.8 m/s k: 1.87 Vm: 6.1 m/s
 — SSE A: 5.9 m/s k: 1.85 Vm: 5.2 m/s
 — S A: 5.0 m/s k: 1.74 Vm: 4.5 m/s
— SSW A: 4.1 m/s k: 1.41 Vm: 3.7 m/s
 — WSW A: 7.1 m/s k: 2.02 Vm: 6.3 m/s
 — W A: 7.6 m/s k: 2.49 Vm: 6.7 m/s
 — WNW A: 6.2 m/s k: 1.81 Vm: 5.5 m/s
— NNW A: 5.2 m/s k: 1.37 Vm: 4.7 m/s