

# Report

24 November 2022, 21:29

Data folder C:\Users\marco\Desktop\wheellyj\data\explorer-agent-1e-3\

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Rewards

KPI										
Mean					0.0607					
Sigma					0.184					
RMS					0.193					
Min					-1					
Median					0					
Max					0.5					
Trend					Linear					
From					-0.0392					
To					0.161					

-0.932	-0.795	-0.659	-0.523	-0.386	-0.25	-0.114	0.0227	0.159	0.295	0.432
1164	0	0	0	0	0	0	72768	4192	10588	7288

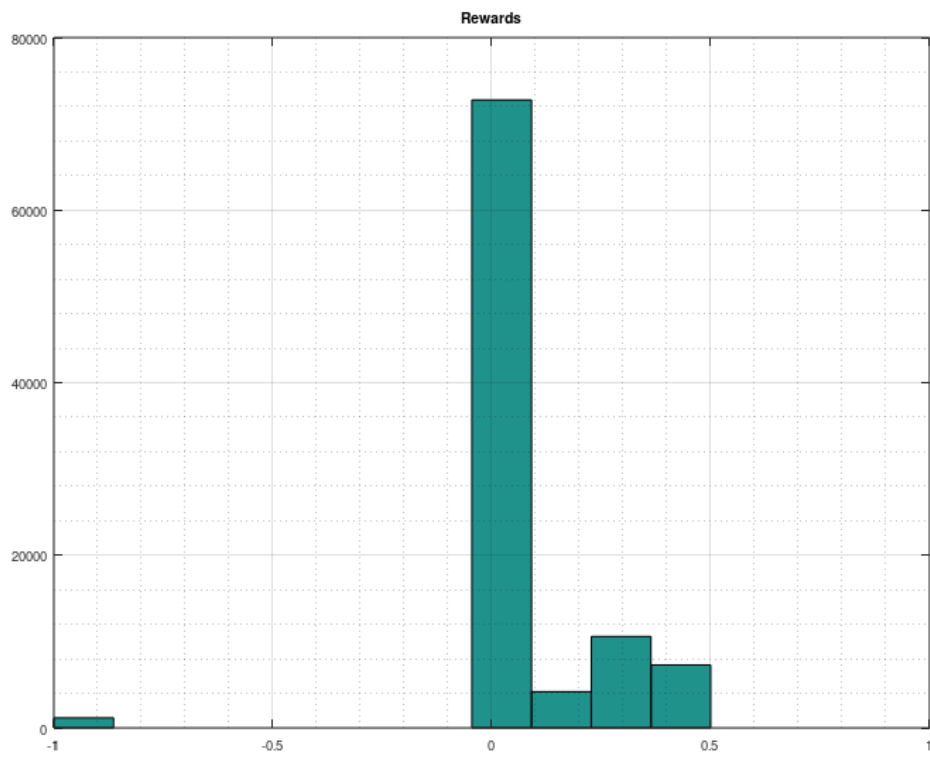
Rewards notes

[Notes]

Rewards chart



## Rewards histogram



## Delta

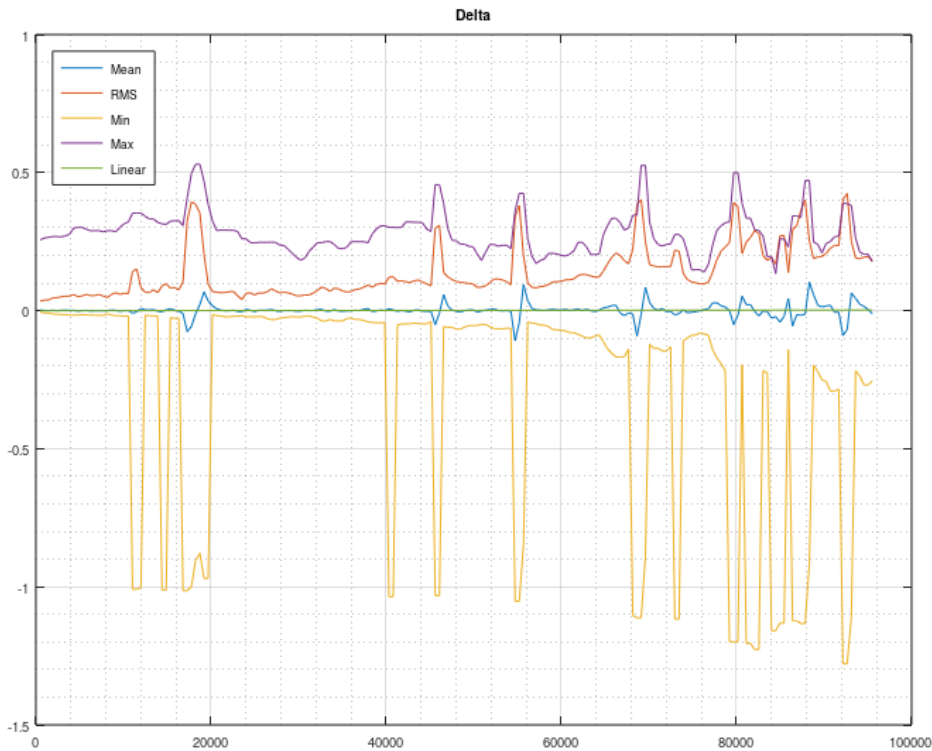
KPI	
Mean	0.000938
Sigma	0.167
RMS	0.167
Min	-1.28
Median	-0.0184
Max	0.53
Trend	Linear
From	-0.000384
To	0.00226

-1.2	-1.03	-0.868	-0.703	-0.539	-0.374	-0.21	-0.0455	0.119	0.283	0.448
136	514	480	34	0	0	7550	63204	12238	11400	444

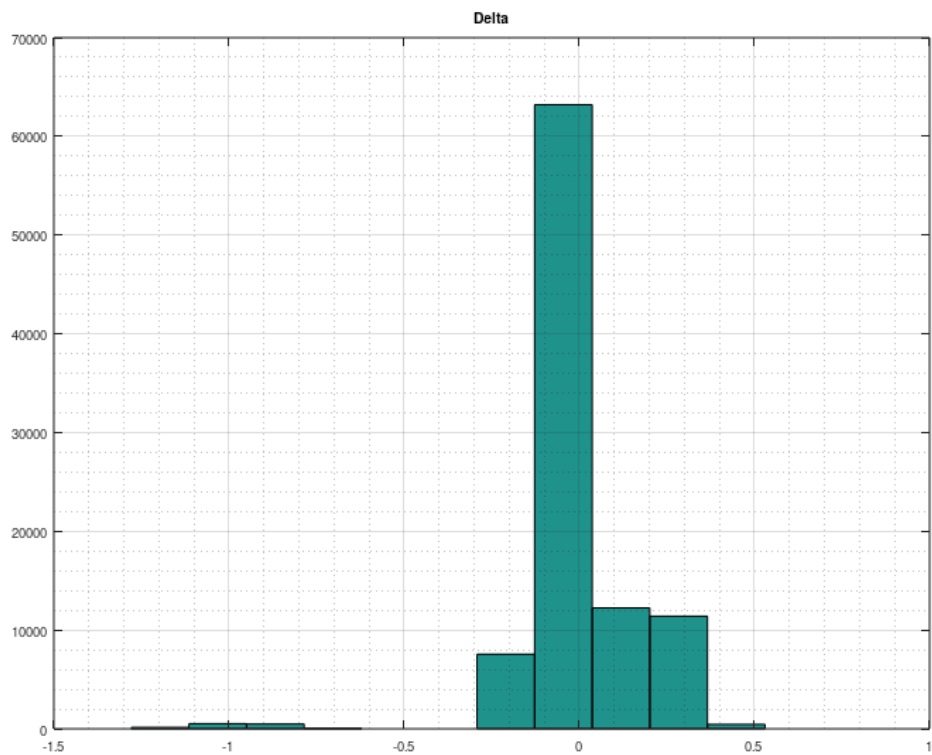
Delta notes

[Notes]

Delta chart



Delta histogram



Discount 0.999 rewards

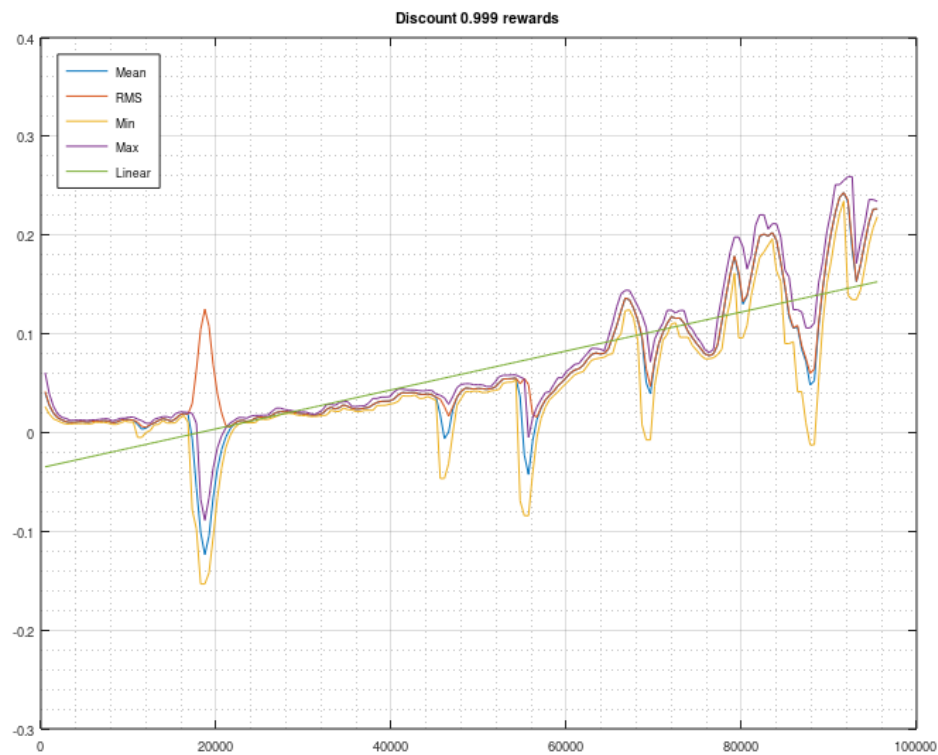
KPI	
Mean	0.059
Sigma	0.068
RMS	0.09
Min	-0.153
Median	0.0384
Max	0.259
Trend	Linear
From	-0.0357
To	0.154

-0.135	-0.0971	-0.0596	-0.0221	0.0154	0.0529	0.0904	0.128	0.165	0.203	0.24
621	981	1350	2765	39158	19431	12165	7300	4600	4833	2796

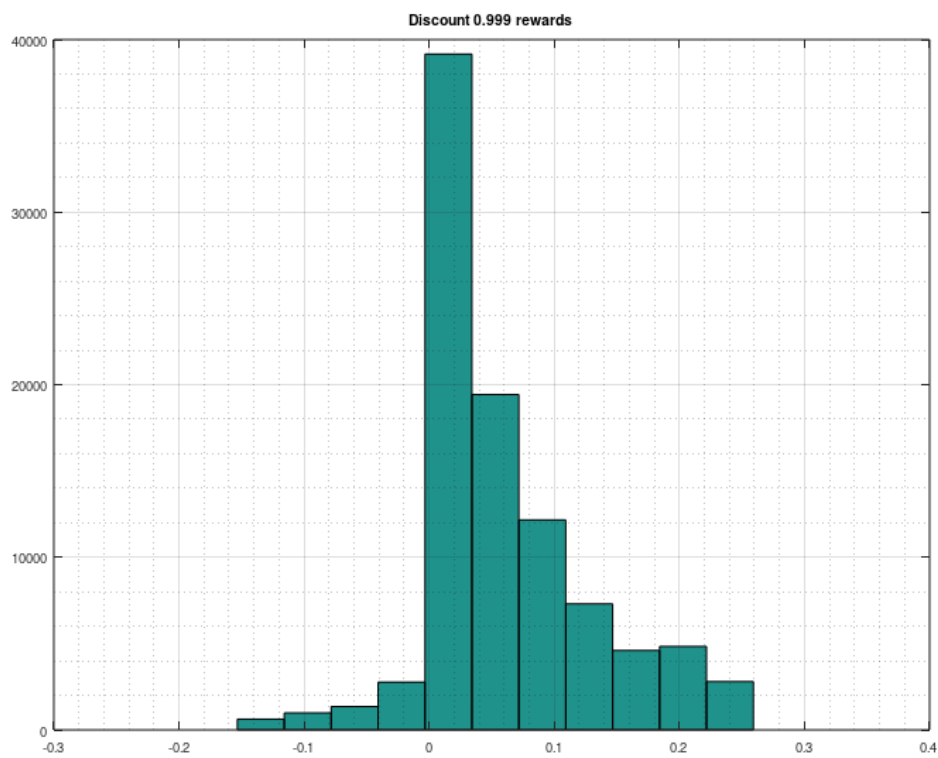
Discount 0.999 rewards notes

[Notes]

Discount 0.999 rewards chart



## Discount 0.999 rewards histogram



Halt max prob.

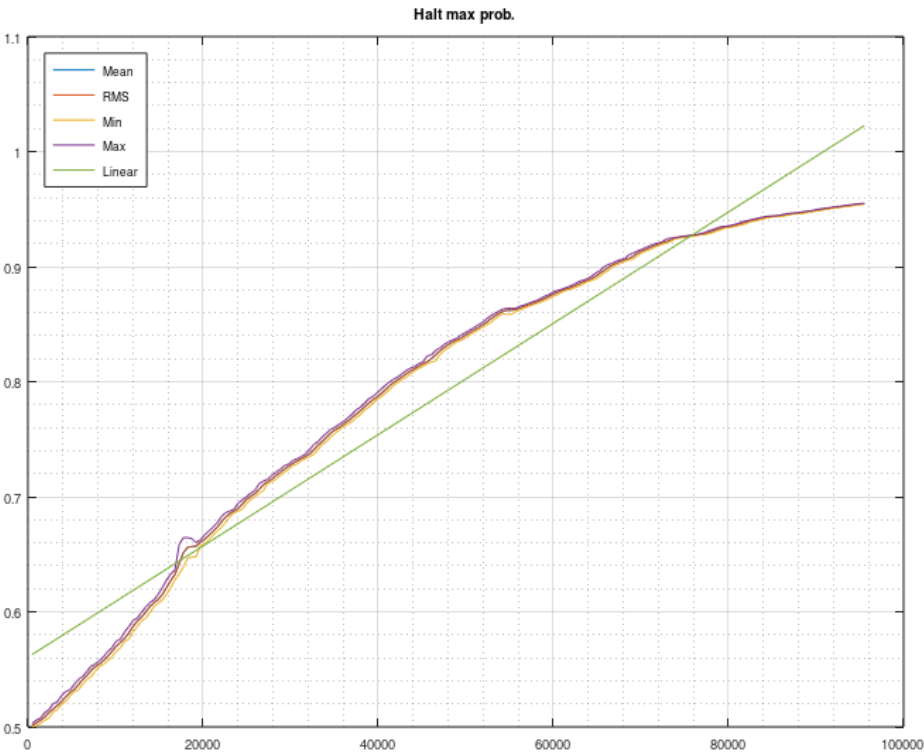
KPI	
Mean	0.793
Sigma	0.138
RMS	0.805
Min	0.5
Median	0.832
Max	0.955
Trend	Linear
From	0.56
To	1.02

0.521	0.562	0.603	0.645	0.686	0.727	0.769	0.81	0.852	0.893	0.934
6326	5224	4436	4500	6032	7186	6570	7486	11232	11092	25916

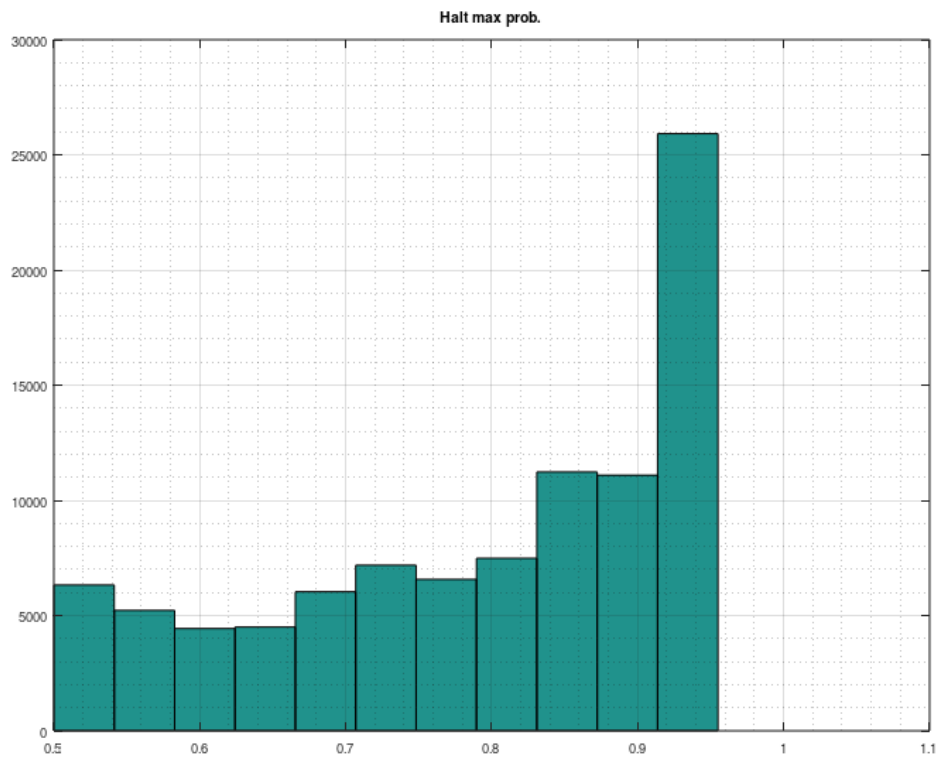
Halt max prob. notes

[Notes]

Halt max prob. chart



Halt max prob. histogram



Direction max prob.

KPI	
Mean	0.0771
Sigma	0.0375
RMS	0.0857
Min	0.04
Median	0.0619
Max	0.167
Trend	Exponential
From	0.0333
To	0.145

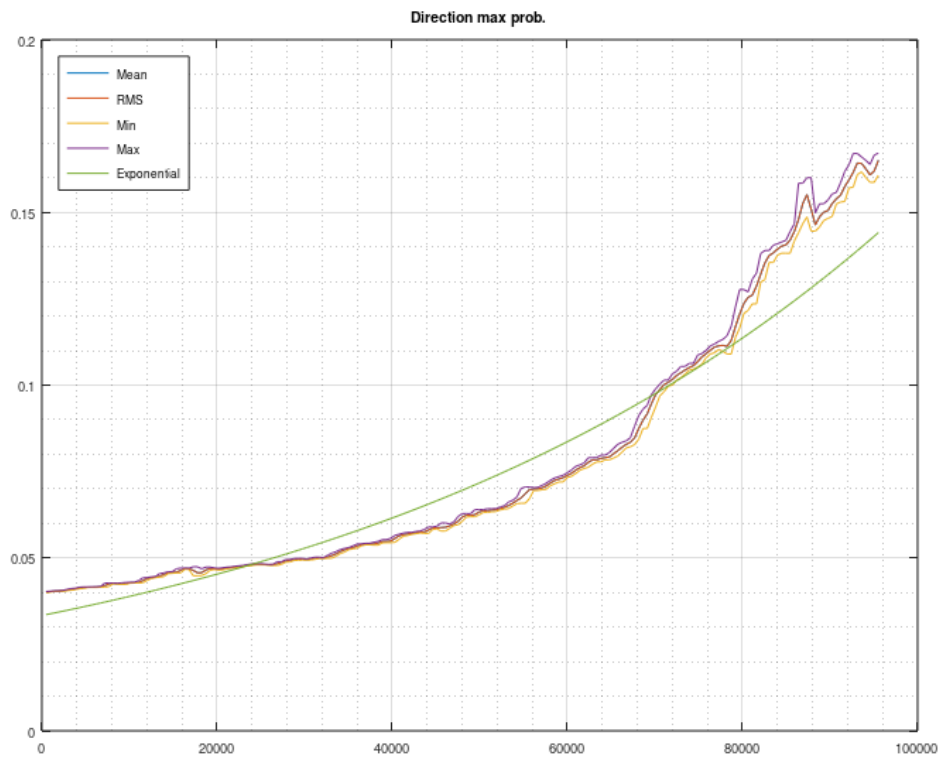
0.0458	0.0573	0.0689	0.0805	0.092	0.104	0.115	0.127	0.138	0.15	0.161
33804	16066	10800	7374	2238	5792	3560	2694	3426	5428	4818

Direction max prob. notes

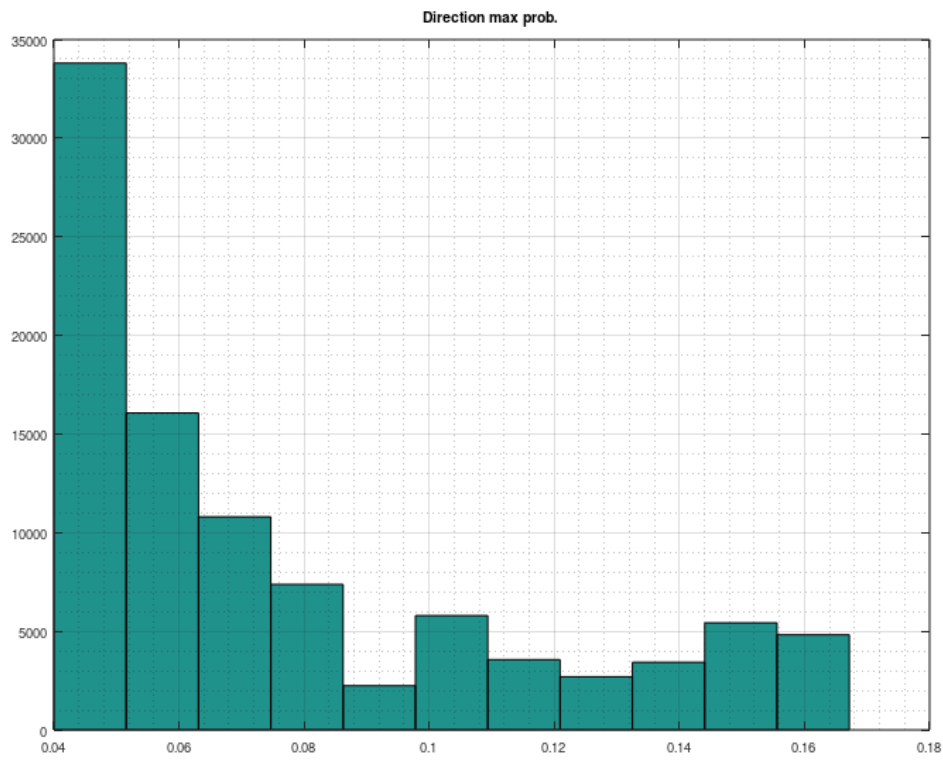
[Notes]

Direction max prob. chart





## Direction max prob. histogram



## Speed max prob.

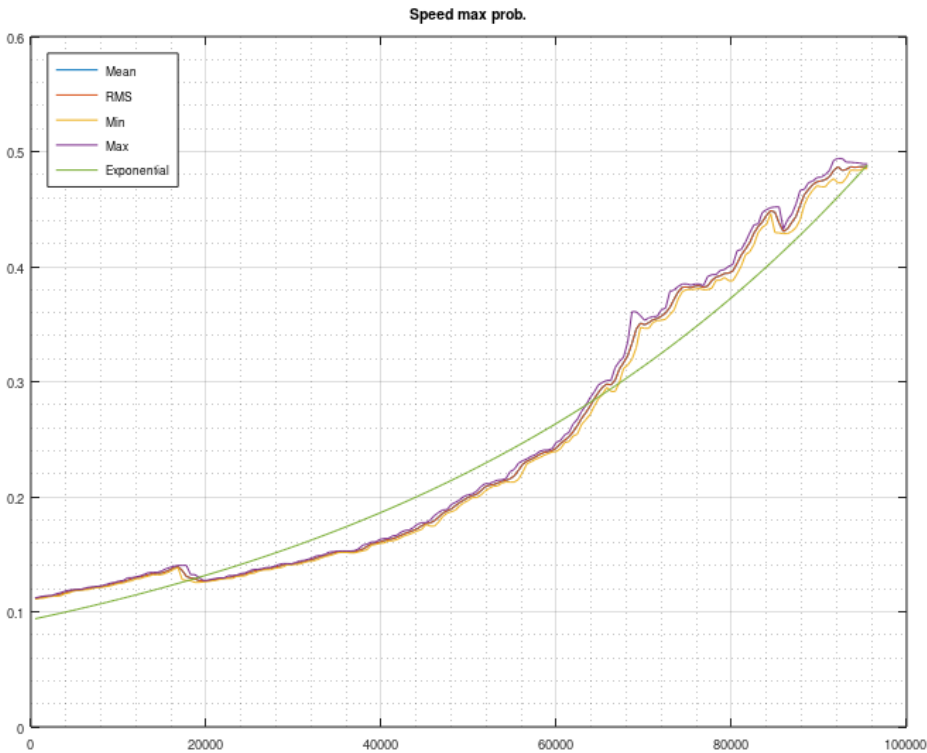
KPI	
Mean	0.243
Sigma	0.124
RMS	0.272
Min	0.111
Median	0.189
Max	0.494
Trend	Exponential
From	0.0931
To	0.492

0.129	0.163	0.198	0.233	0.268	0.303	0.337	0.372	0.407	0.442	0.477
32530	13806	8518	6422	2958	3878	3214	6492	4488	5710	7984

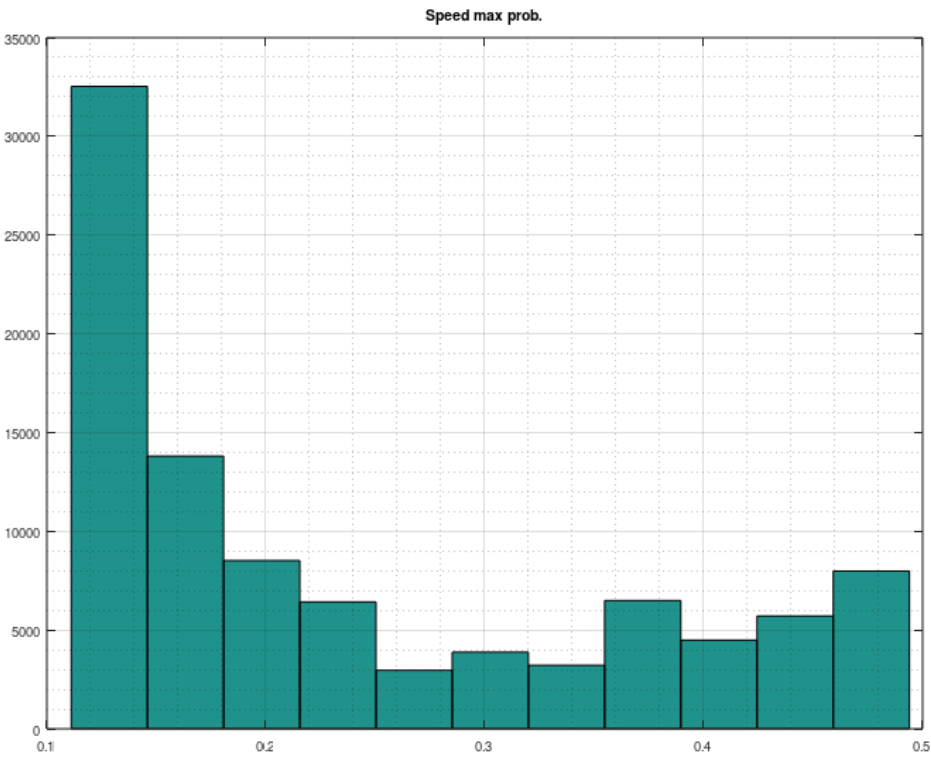
Speed max prob. notes

[Notes]

Speed max prob. chart



Speed max prob. histogram



Sensor direction max prob.

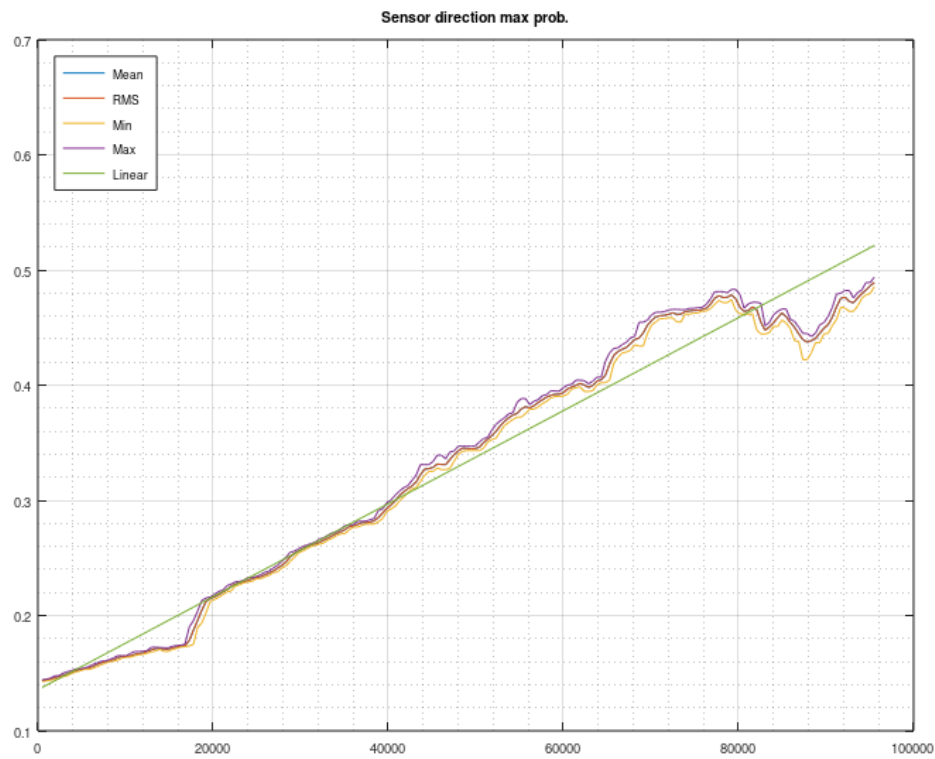
KPI	
Mean	0.329
Sigma	0.114
RMS	0.348
Min	0.143
Median	0.343
Max	0.494
Trend	Linear
From	0.136
To	0.523

0.159	0.191	0.223	0.255	0.286	0.318	0.35	0.382	0.414	0.446	0.478
17276	1500	8218	6814	7232	5858	6034	8378	5158	14032	15500

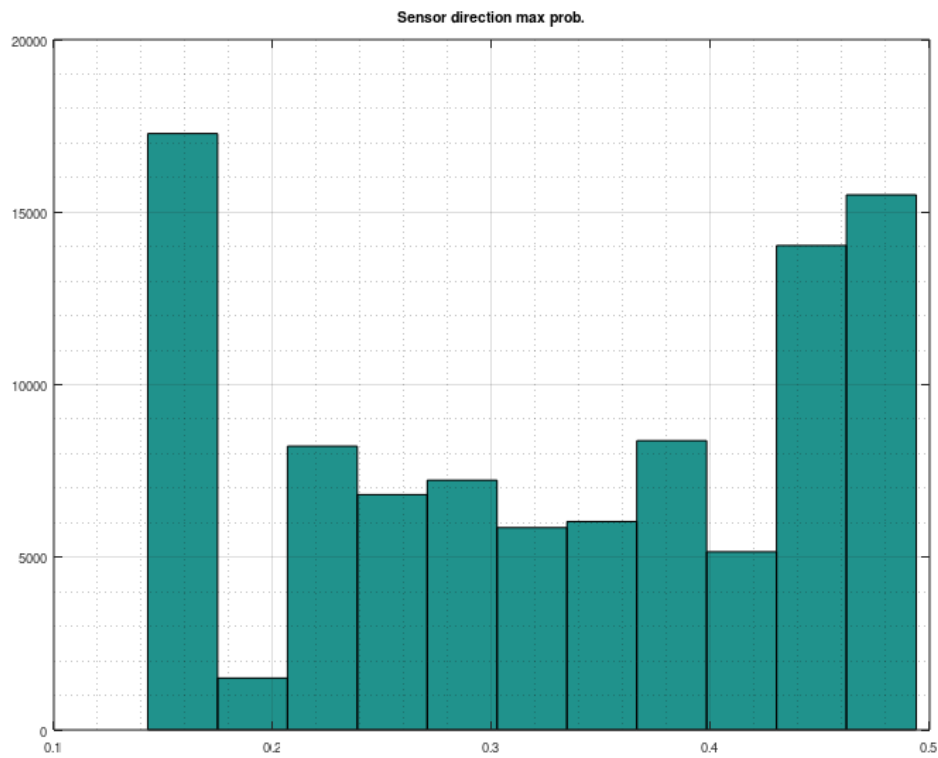
Sensor direction max prob. notes

[Notes]

Sensor direction max prob. chart



## Sensor direction max prob. histogram



## Delta halt prob.

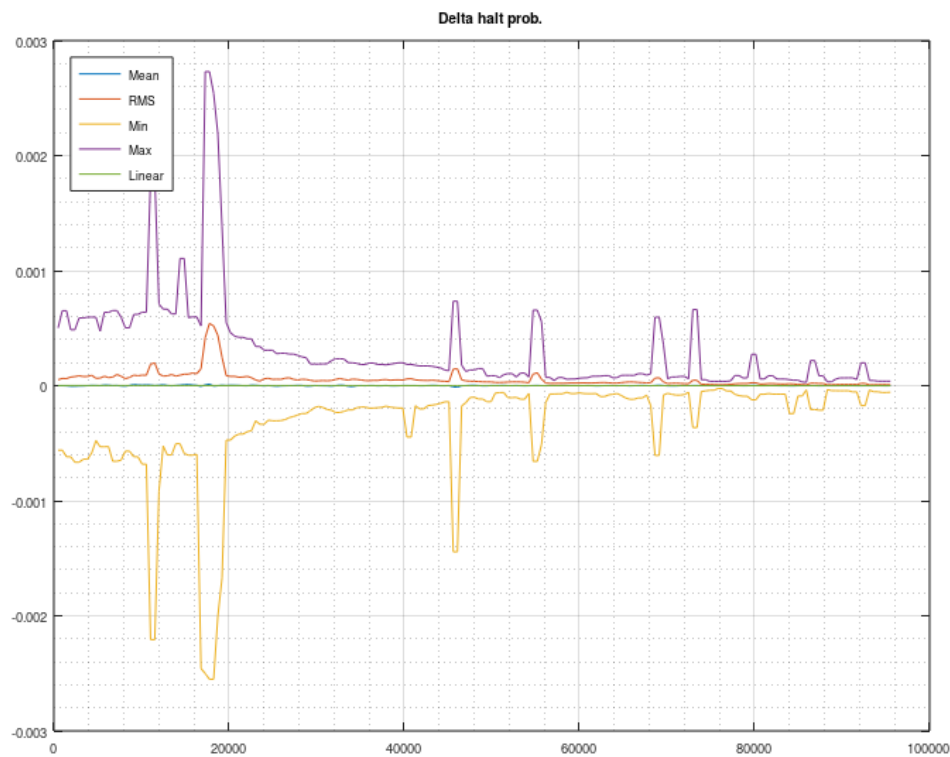
KPI	
Mean	3.85e-07
Sigma	8.96e-05
RMS	8.96e-05
Min	-0.00255
Median	0
Max	0.00273
Trend	Linear
From	1.23e-06
To	-4.58e-07

-0.00231	-0.00183	-0.00135	-0.000871	-0.000391	8.91e-05	0.000569	0.00105	0.00153	0.00201	0.00249
14	10	40	82	1300	94032	426	50	28	12	6

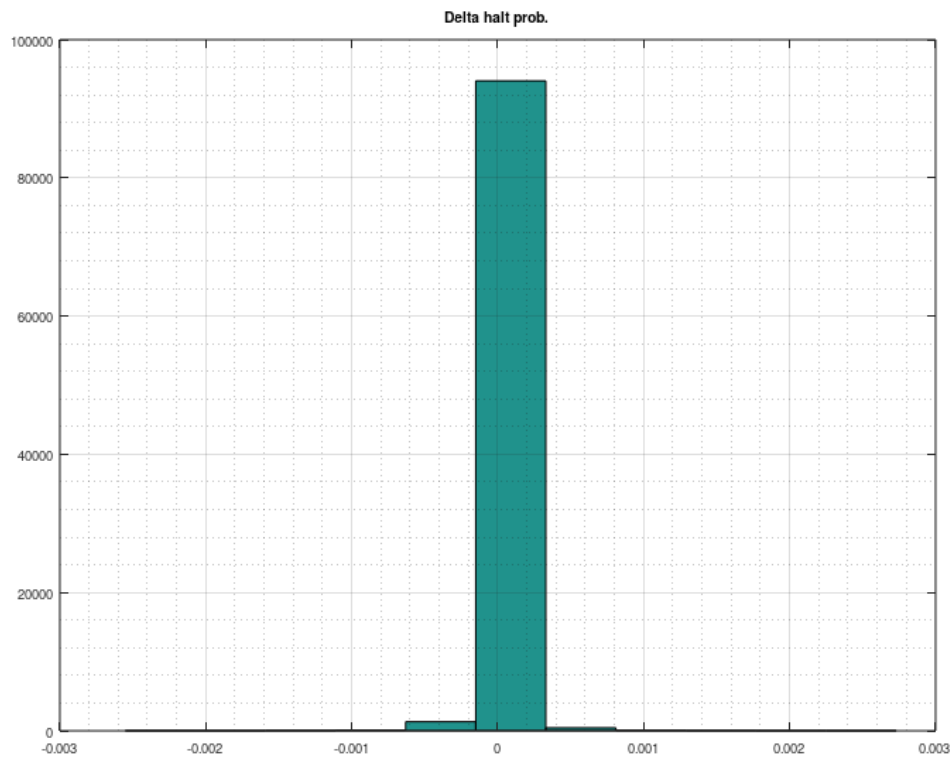
Delta halt prob. notes

[Notes]

Delta halt prob. chart



Delta halt prob. histogram



Delta direction prob.

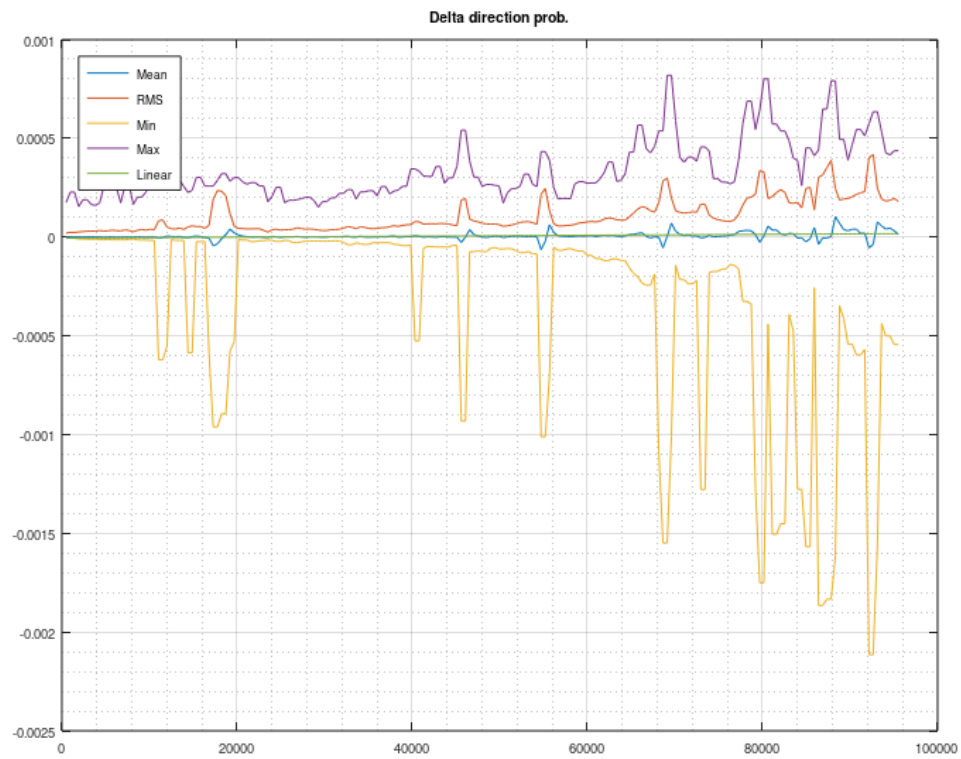
KPI	
Mean	5.99e-06
Sigma	0.000135
RMS	0.000135
Min	-0.00211
Median	-1.05e-05
Max	0.000819
Trend	Linear
From	-5.41e-06
To	1.74e-05

-0.00198	-0.00171	-0.00145	-0.00118	-0.000915	-0.000648	-0.000381	-0.000114	0.000152	0.000419	0.000686
6	26	36	108	162	348	1318	69414	22482	2030	70

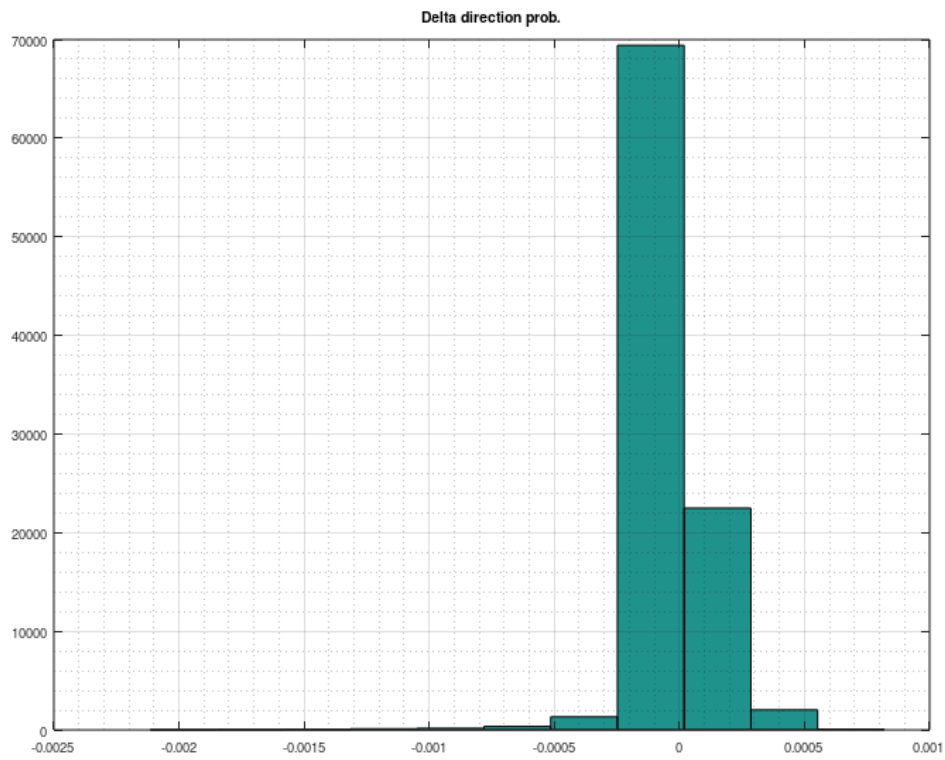
Delta direction prob. notes

[Notes]

Delta direction prob. chart



Delta direction prob. histogram



Delta speed prob.

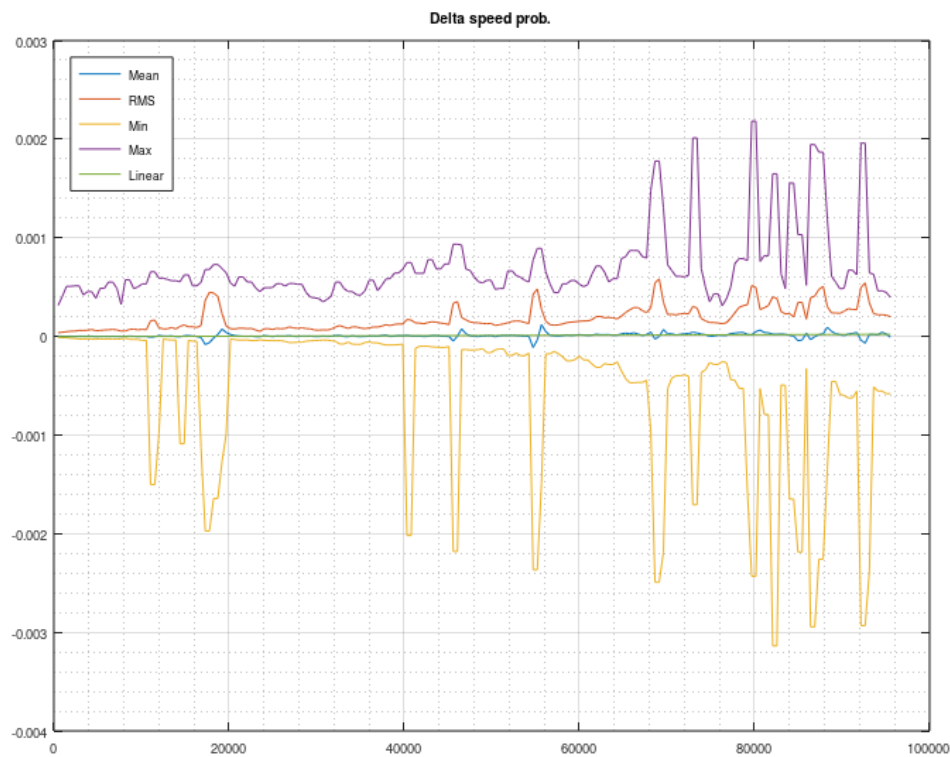
KPI	
Mean	8.82e-06
Sigma	0.000214
RMS	0.000214
Min	-0.00314
Median	-1.76e-05
Max	0.00218
Trend	Linear
From	-3.44e-06
To	2.11e-05

-0.0029	-0.00241	-0.00193	-0.00145	-0.000962	-0.000478	5.96e-06	0.00049	0.000973	0.00146	0.00194
8	48	92	174	534	3906	81266	9672	242	38	20

Delta speed prob. notes

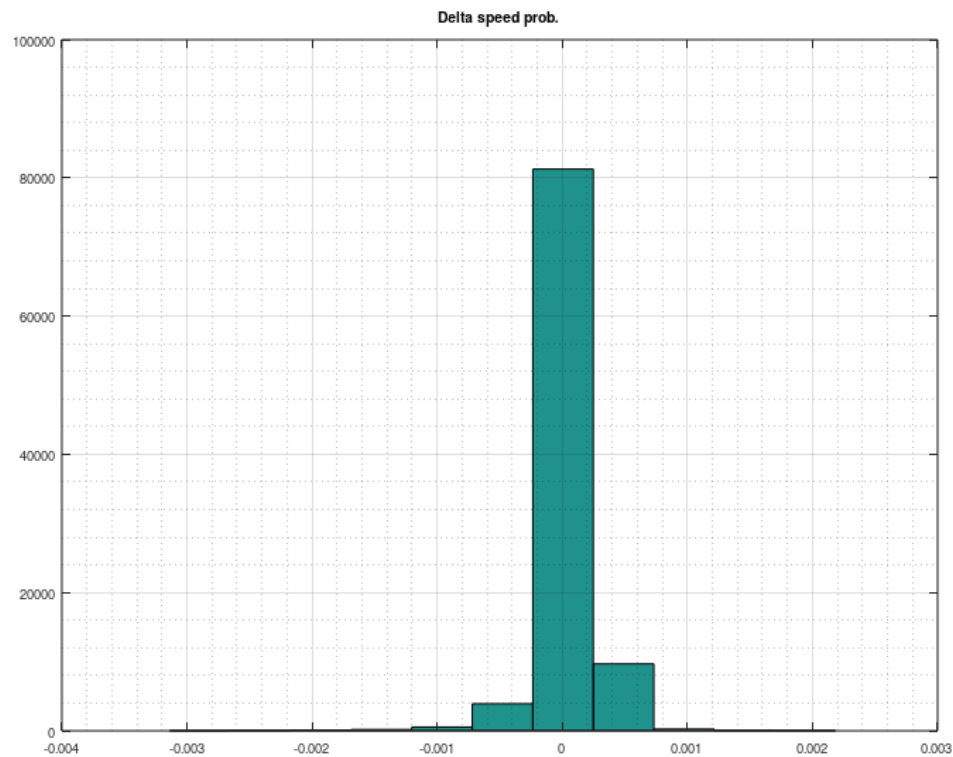
[Notes]

Delta speed prob. chart



Delta speed prob. histogram





Delta sensor direction prob.

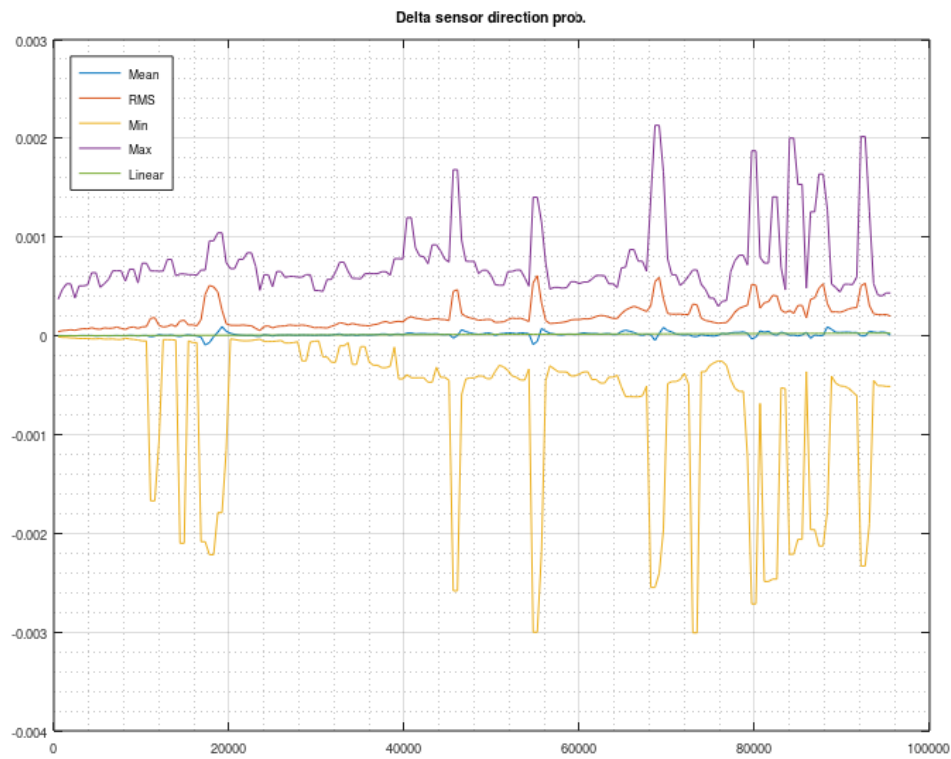
KPI	
Mean	1.36e-05
Sigma	0.000229
RMS	0.00023
Min	-0.00301
Median	-1.57e-05
Max	0.00213
Trend	Linear
From	2.94e-07
To	2.68e-05

-0.00277	-0.00231	-0.00184	-0.00137	-0.000906	-0.000439	2.87e-05	0.000496	0.000963	0.00143	0.0019
18	72	164	208	428	5674	79230	9816	304	68	18

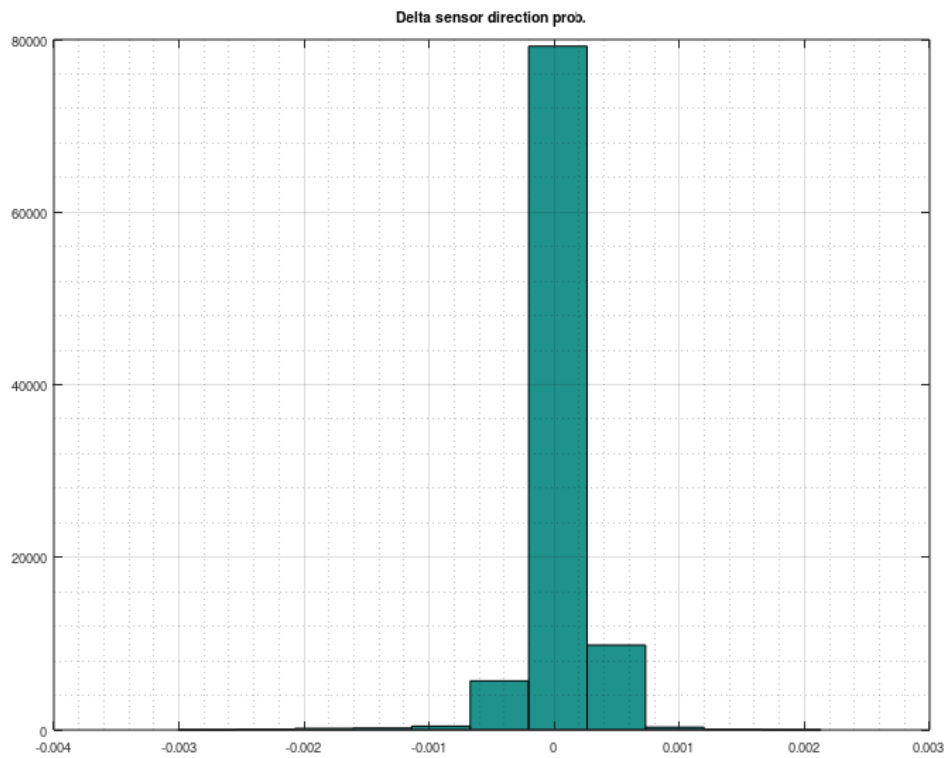
Delta sensor direction prob. notes

[Notes]

Delta sensor direction prob. chart



## Delta sensor direction prob. histogram



## Advantage residual estimation (critic)

KPI	
Mean	0.0216
Sigma	0.0276
RMS	0.035
Min	-0.0853
Median	0.0142
Max	0.105
Trend	Linear
From	-0.014
To	0.0573

-0.0766	-0.0593	-0.042	-0.0247	-0.00736	0.00995	0.0273	0.0446	0.0619	0.0792	0.0965
356	848	1256	1134	3606	50340	16260	9078	5004	5580	2538

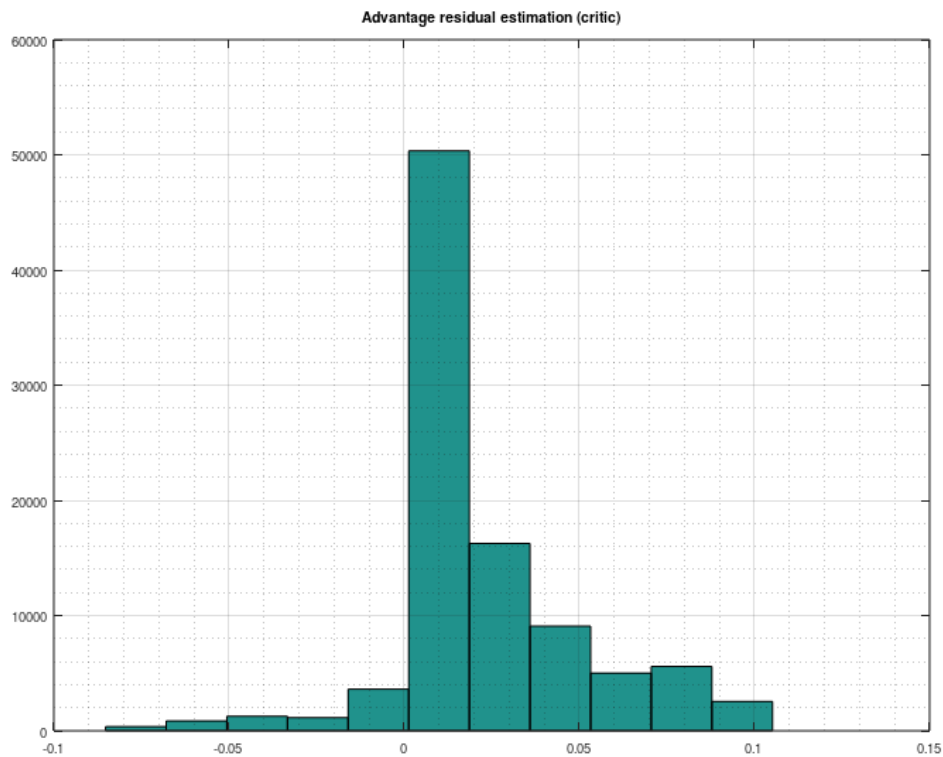
Advantage residual estimation (critic) notes

[Notes]

Advantage residual estimation (critic) chart



Advantage residual estimation (critic) histogram



Delta Advantage residual estimation (critic)

KPI		
Mean		1.7e-06
Sigma		0.000302
RMS		0.000302
Min		-0.00231
Median		-3.32e-05
Max		0.000957
Trend		Linear
From		-6.9e-07
To		4.08e-06

-0.00216	-0.00186	-0.00156	-0.00127	-0.000971	-0.000674	-0.000378	-8.1e-05	0.000216	0.000512	0.000809
142	516	472	34	0	0	7652	63120	12268	11352	444

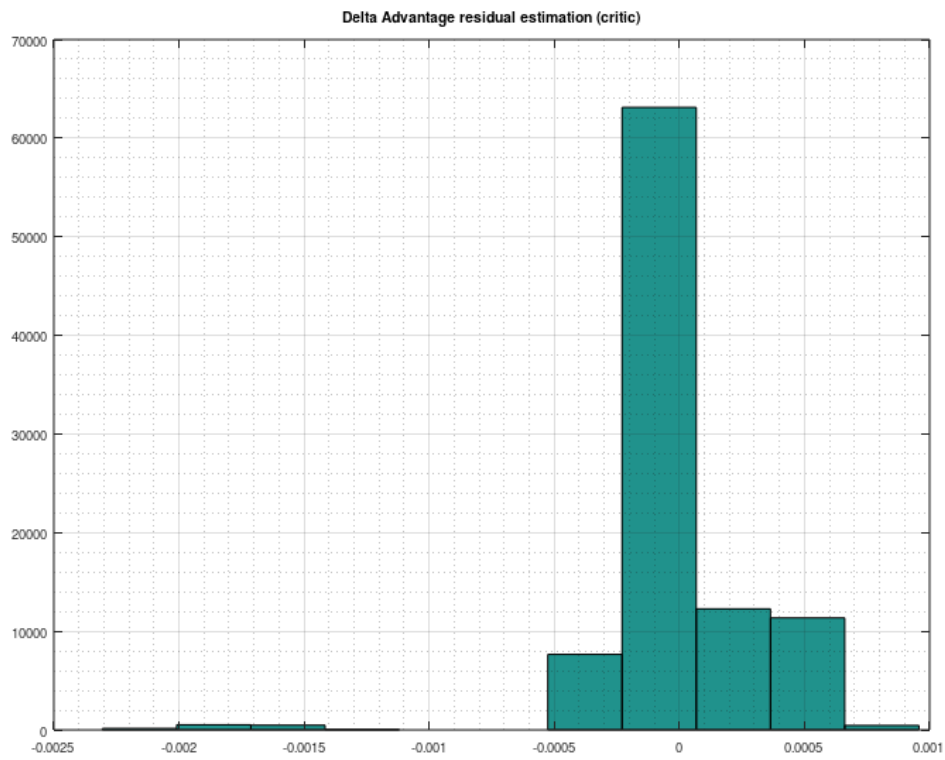
Delta Advantage residual estimation (critic) notes

[Notes]

Delta Advantage residual estimation (critic) chart



## Delta Advantage residual estimation (critic) histogram



## Avg Rewards

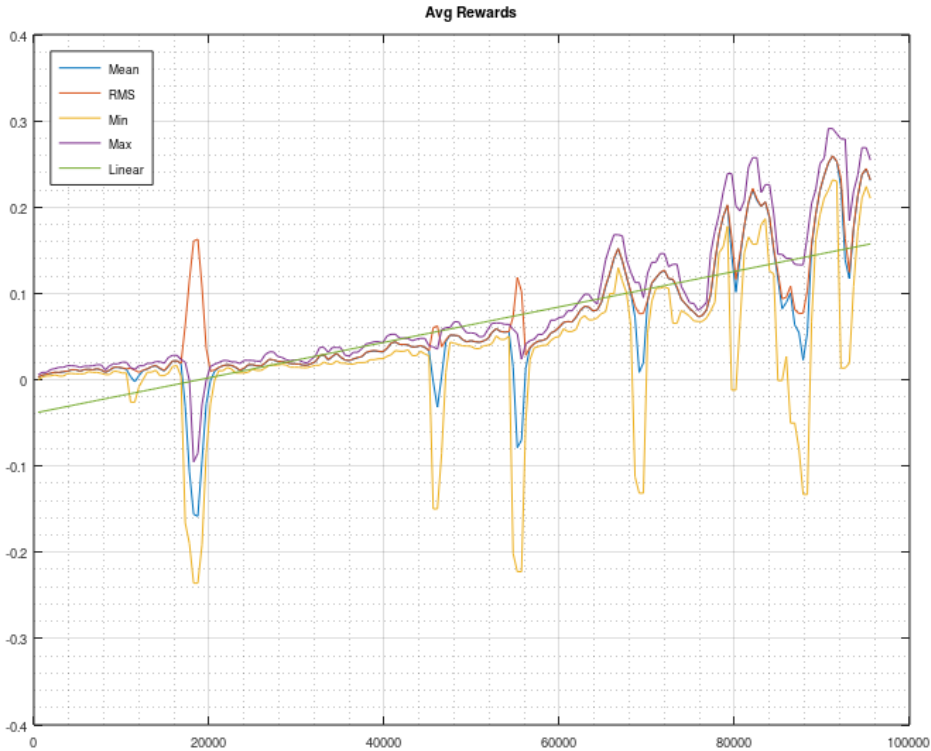
KPI	
Mean	0.0597
Sigma	0.0763
RMS	0.0969
Min	-0.236
Median	0.0393
Max	0.291
Trend	Linear
From	-0.0389
To	0.158

-0.212	-0.164	-0.116	-0.0682	-0.0203	0.0276	0.0755	0.123	0.171	0.219	0.267
356	846	1260	1142	3640	50392	16188	9074	5018	5550	2534

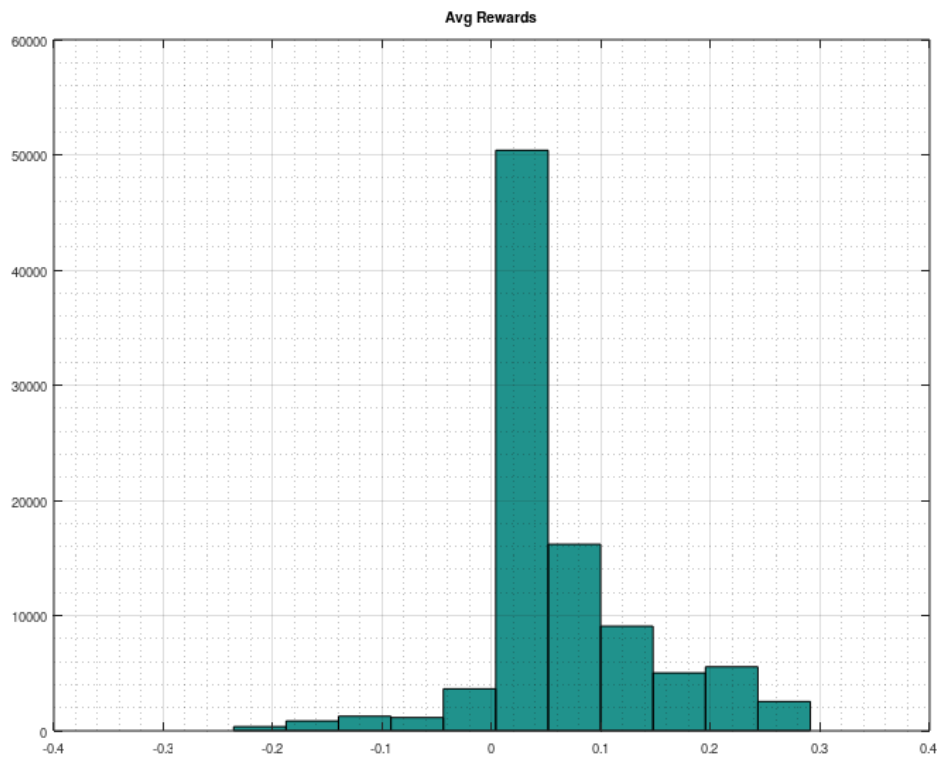
Avg Rewards notes

[Notes]

Avg Rewards chart



Avg Rewards histogram



Halt gradient

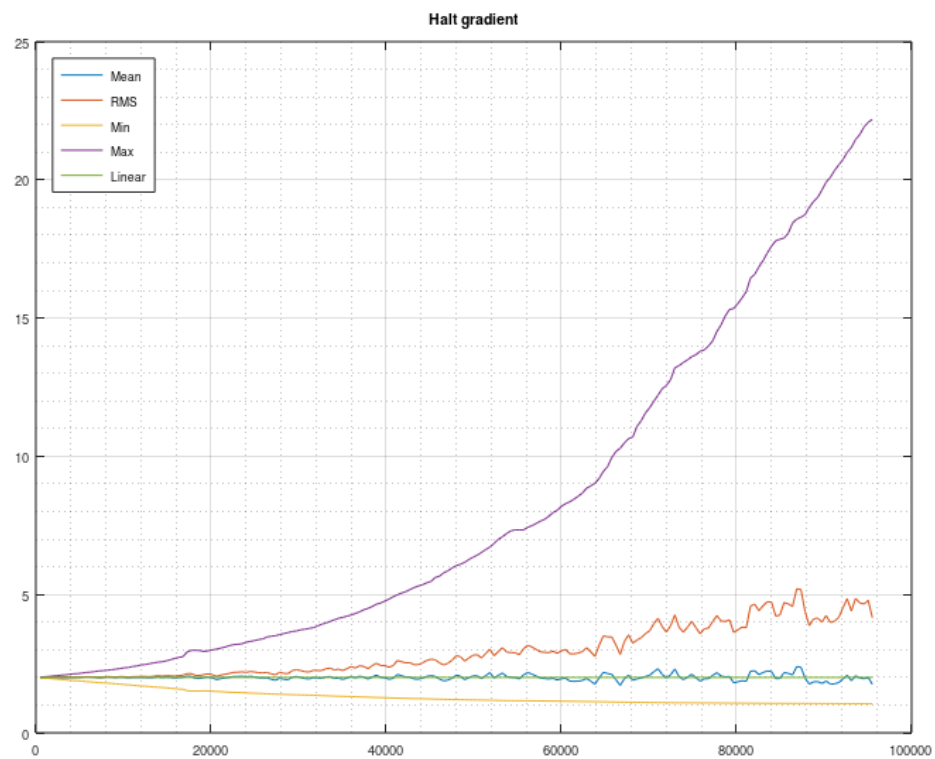
KPI	
Mean	2
Sigma	2.33
RMS	3.07
Min	1.05
Median	1.24
Max	22.2
Trend	Linear
From	2
To	2

2.01	3.93	5.85	7.77	9.7	11.6	13.5	15.5	17.4	19.3	21.2
84782	5512	2026	1346	526	388	446	246	308	226	194

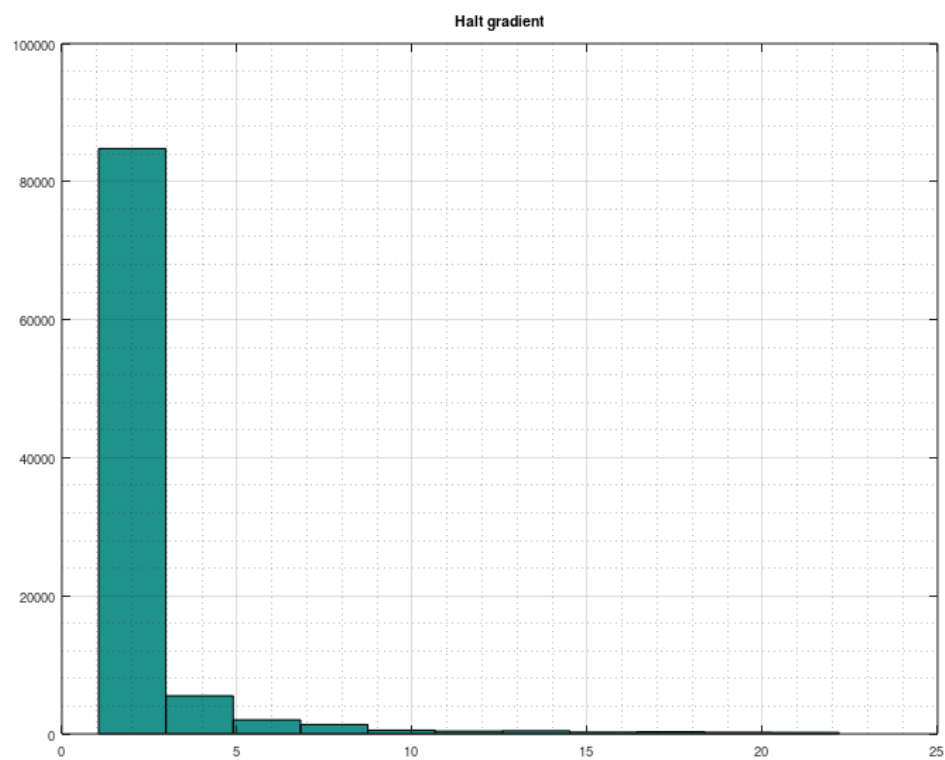
Halt gradient notes

[Notes]

Halt gradient chart



## Halt gradient histogram



## Direction gradient



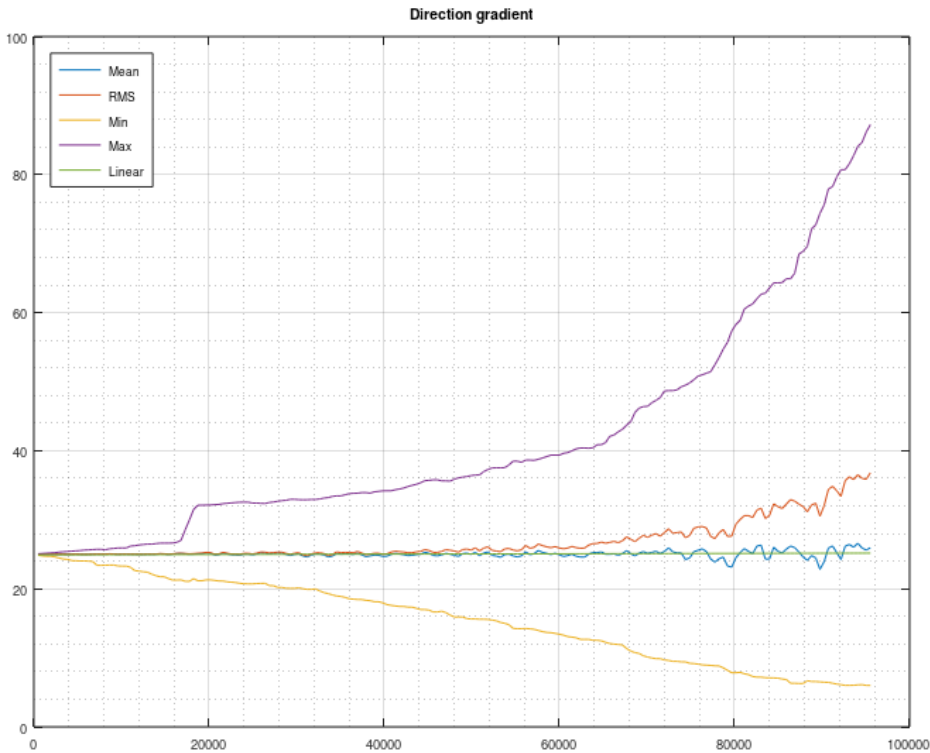
KPI	
Mean	25
Sigma	10.4
RMS	27.1
Min	5.99
Median	25.2
Max	87.2
Trend	Linear
From	24.9
To	25.2

9.69	17.1	24.5	31.8	39.2	46.6	54	61.4	68.8	76.2	83.5
11158	16062	45822	13562	4256	2280	1006	978	438	298	140

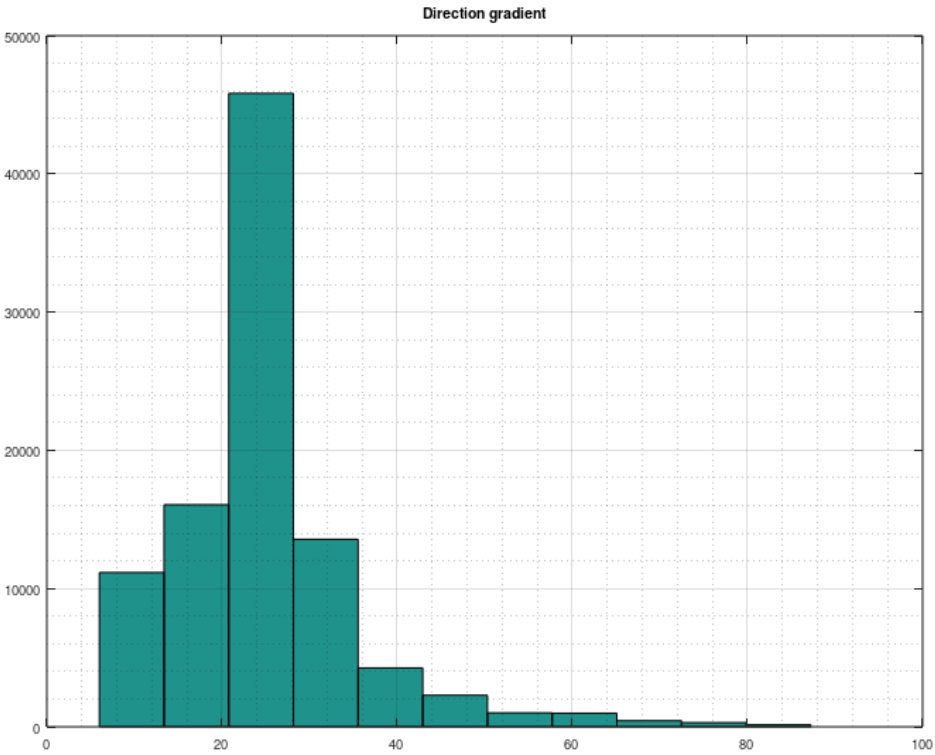
Direction gradient notes

[Notes]

Direction gradient chart



Direction gradient histogram



Speed gradient

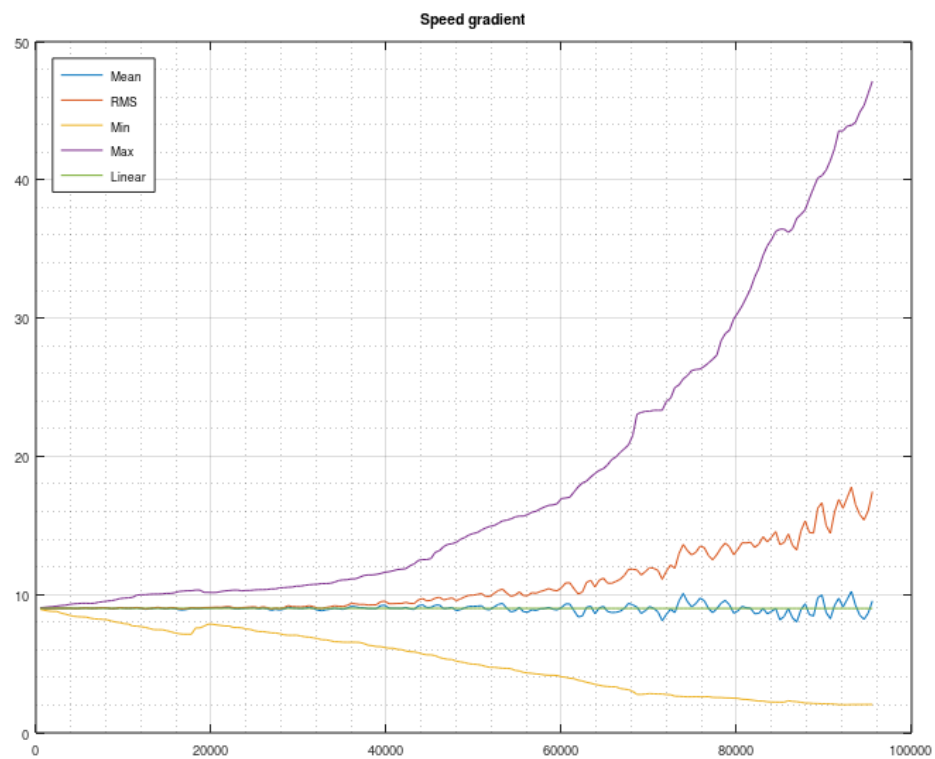
KPI	
Mean	8.99
Sigma	6.4
RMS	11
Min	2.02
Median	7.99
Max	47.1
Trend	Linear
From	9
To	8.99

4.08	8.18	12.3	16.4	20.5	24.6	28.7	32.8	36.9	41	45.1
29978	41964	13282	4236	1822	1806	898	750	528	460	276

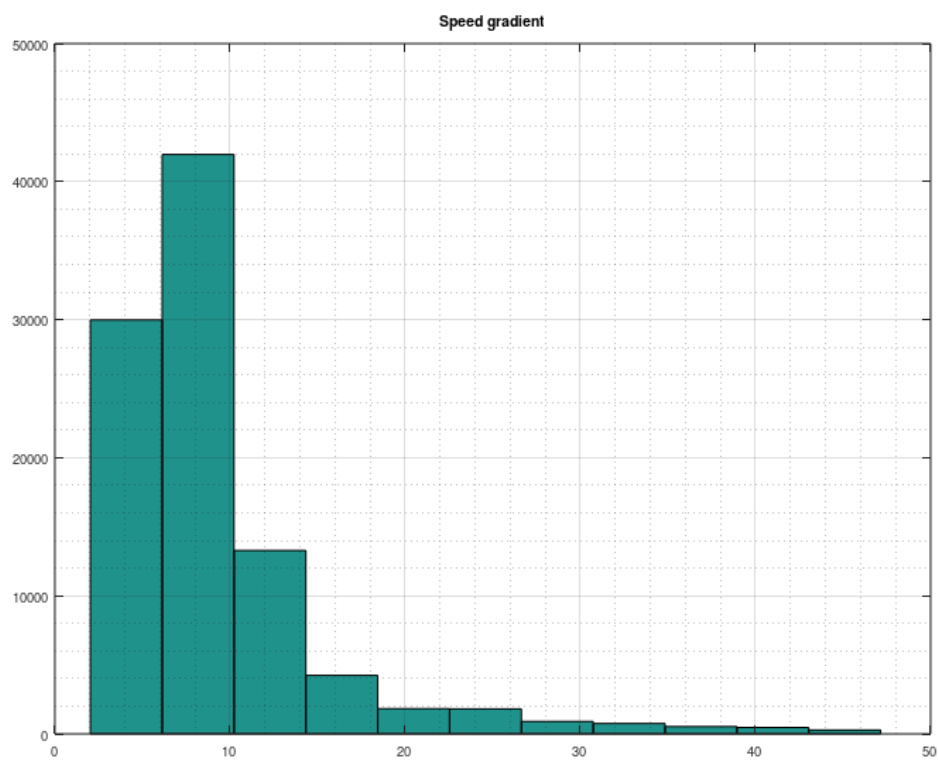
Speed gradient notes

[Notes]

Speed gradient chart



## Speed gradient histogram



## Sensor direction gradient

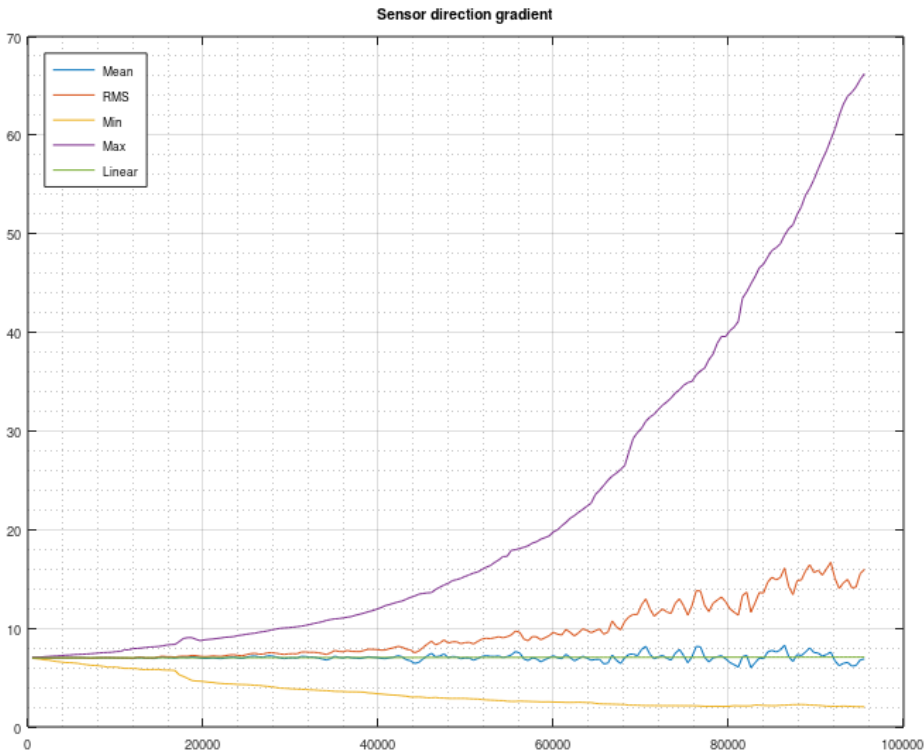
KPI	
Mean	7.03
Sigma	7.05
RMS	9.95
Min	2.03
Median	5.83
Max	66.2
Trend	Linear
From	7
To	7.07

4.94	10.8	16.6	22.5	28.3	34.1	40	45.8	51.6	57.5	63.3
74856	13392	3718	1146	710	790	372	468	232	222	94

Sensor direction gradient notes

[Notes]

Sensor direction gradient chart



Sensor direction gradient histogram

