

Report

21 November 2022, 08:06

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

- Report
 - Rewards
 - Rewards notes
 - Rewards chart
 - Rewards histogram
 - Delta
 - Delta notes
 - Delta chart
 - Delta histogram
 - Discount 0.999 rewards
 - Discount 0.999 rewards notes
 - Discount 0.999 rewards chart
 - Discount 0.999 rewards histogram
 - Halt max prob.
 - Halt max prob. notes
 - Halt max prob. chart
 - Halt max prob. histogram
 - Direction max prob.
 - Direction max prob. notes
 - Direction max prob. chart
 - Direction max prob. histogram
 - Speed max prob.
 - Speed max prob. notes
 - Speed max prob. chart
 - Speed max prob. histogram
 - Sensor direction max prob.
 - Sensor direction max prob. notes
 - Sensor direction max prob. chart
 - Sensor direction max prob. histogram
 - Delta halt prob.
 - Delta halt prob. notes
 - Delta halt prob. chart
 - Delta halt prob. histogram
 - Delta direction prob.
 - Delta direction prob. notes
 - Delta direction prob. chart
 - Delta direction prob. histogram
 - Delta speed prob.
 - Delta speed prob. notes
 - Delta speed prob. chart
 - Delta speed prob. histogram
 - Delta sensor direction prob.
 - Delta sensor direction prob. notes
 - Delta sensor direction prob. chart
 - Delta sensor direction prob. histogram

- Advantage residual estimation (critic)
 - Advantage residual estimation (critic) notes
 - Advantage residual estimation (critic) chart
 - Advantage residual estimation (critic) histogram
- Delta Advantage residual estimation (critic)
 - Delta Advantage residual estimation (critic) notes
 - Delta Advantage residual estimation (critic) chart
 - Delta Advantage residual estimation (critic) histogram
- Avg Rewards
 - Avg Rewards notes
 - Avg Rewards chart
 - Avg Rewards histogram
- Halt gradient
 - Halt gradient notes
 - Halt gradient chart
 - Halt gradient histogram
- Direction gradient
 - Direction gradient notes
 - Direction gradient chart
 - Direction gradient histogram
- Speed gradient
 - Speed gradient notes
 - Speed gradient chart
 - Speed gradient histogram
- Sensor direction gradient
 - Sensor direction gradient notes
 - Sensor direction gradient chart
 - Sensor direction gradient histogram

Rewards

KPI	
Mean	0.0568
Sigma	0.253
RMS	0.26
Min	-1
Median	0
Max	0.5
Trend	Linear
From	-0.0861
To	0.2

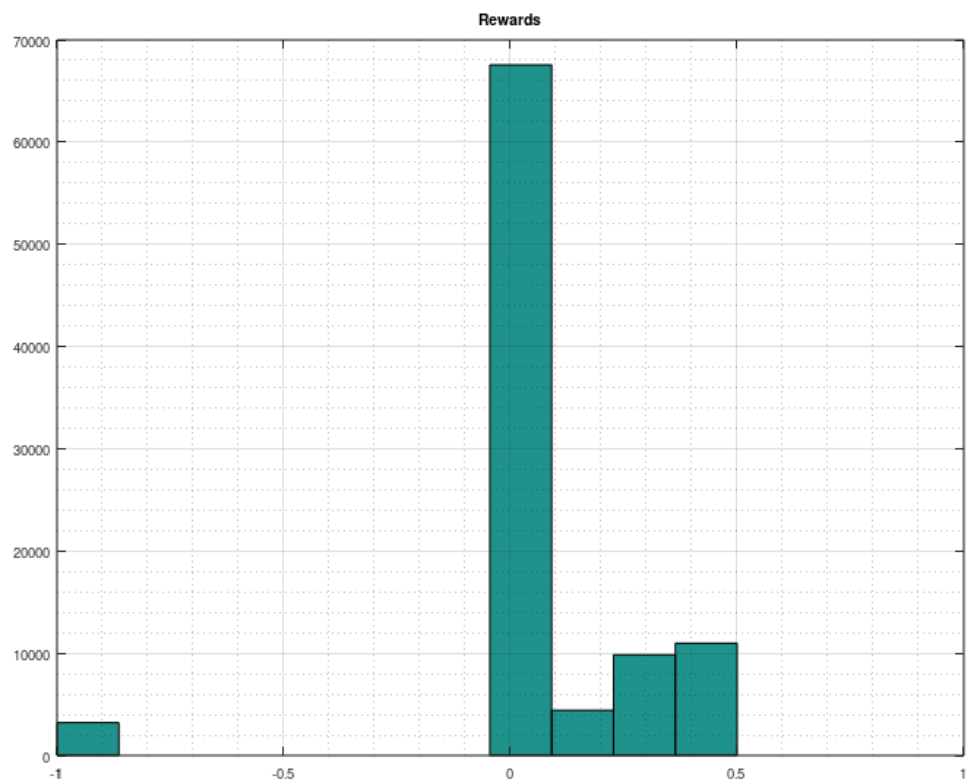
-0.932	-0.795	-0.659	-0.523	-0.386	-0.25	-0.114	0.0227	0.159	0.295	0.432
3204	0	0	0	0	0	0	67556	4416	9844	10980

Rewards notes

Rewards chart



Rewards histogram



Delta

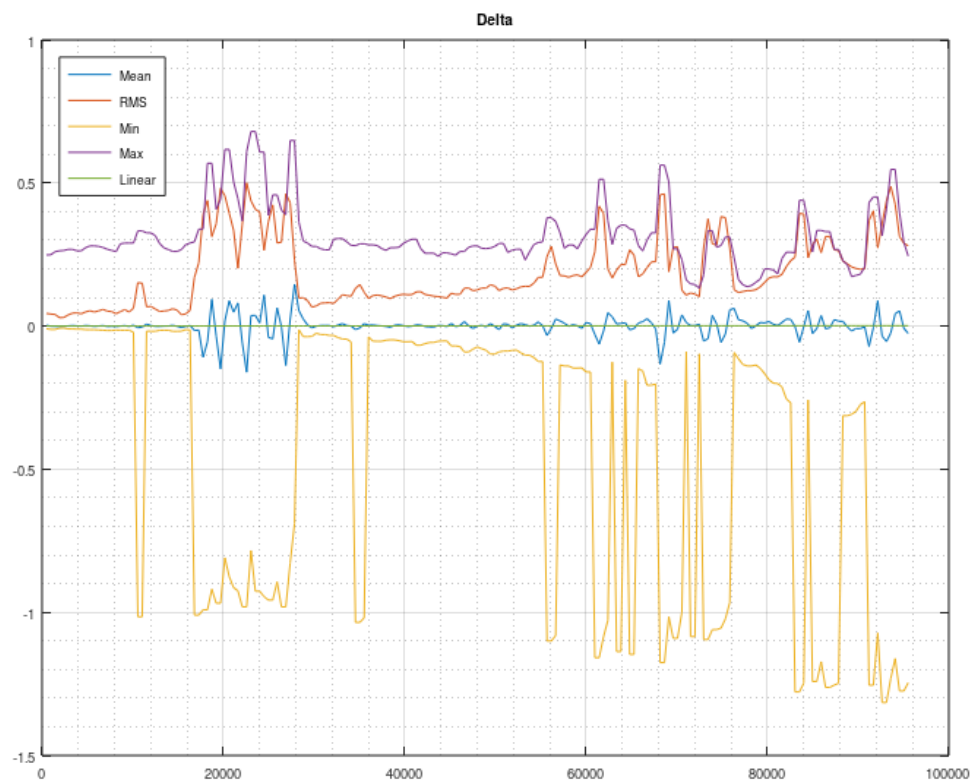
KPI	
Mean	0.000703
Sigma	0.224
RMS	0.224
Min	-1.32
Median	-0.0117
Max	0.68
Trend	Linear
From	-3.21e-06
To	0.00141

-1.22	-1.04	-0.862	-0.68	-0.499	-0.318	-0.136	0.0451	0.226	0.408	0.589
318	746	1212	842	86	3418	25220	38690	22534	2778	156

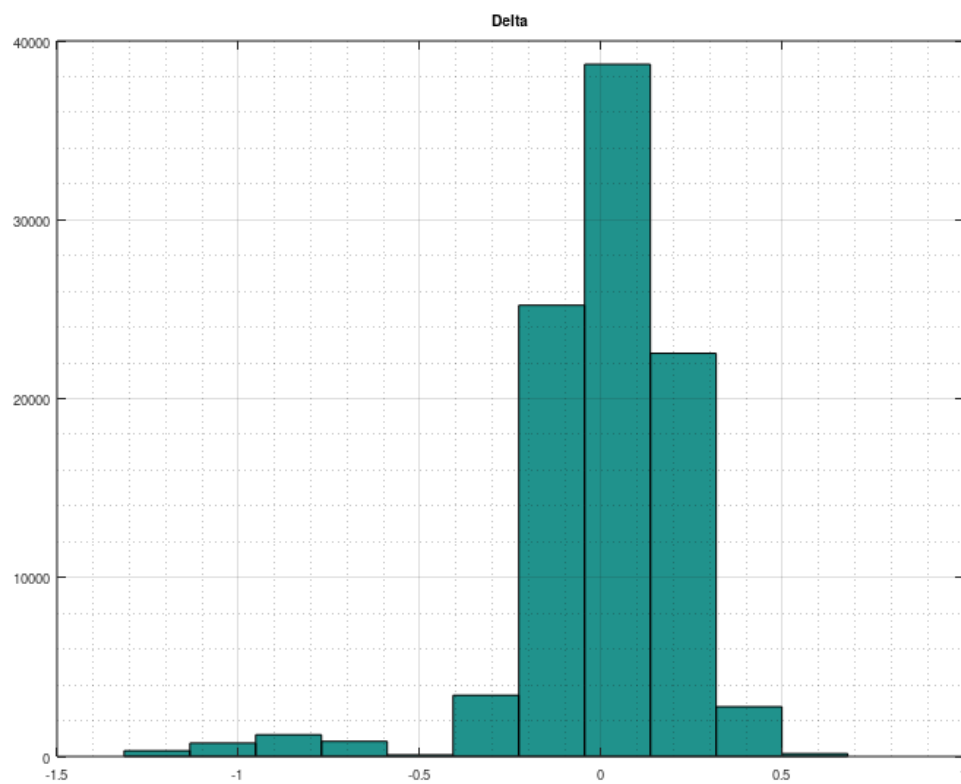
Delta notes

[Notes]

Delta chart



Delta histogram



Discount 0.999 rewards

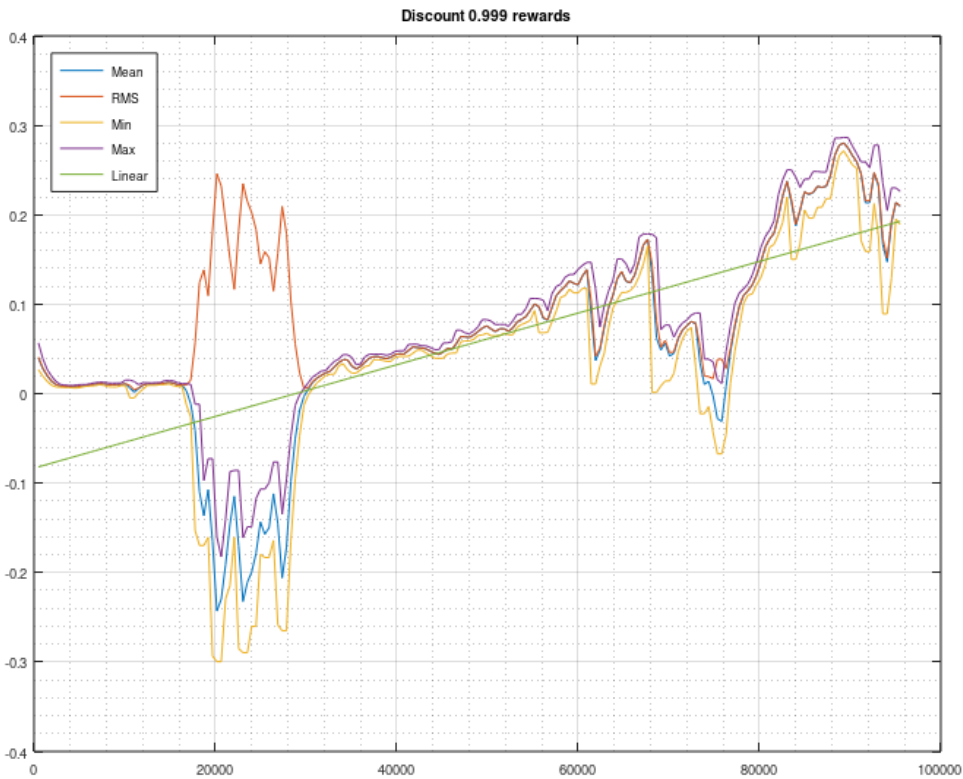
KPI	
Mean	0.0554
Sigma	0.11
RMS	0.123
Min	-0.3
Median	0.0468
Max	0.286
Trend	Linear
From	-0.0833
To	0.194

-0.273	-0.22	-0.166	-0.113	-0.0599	-0.00661	0.0467	0.0999	0.153	0.206	0.26
1141	2090	3628	3015	1672	21635	27182	14612	8066	6603	6356

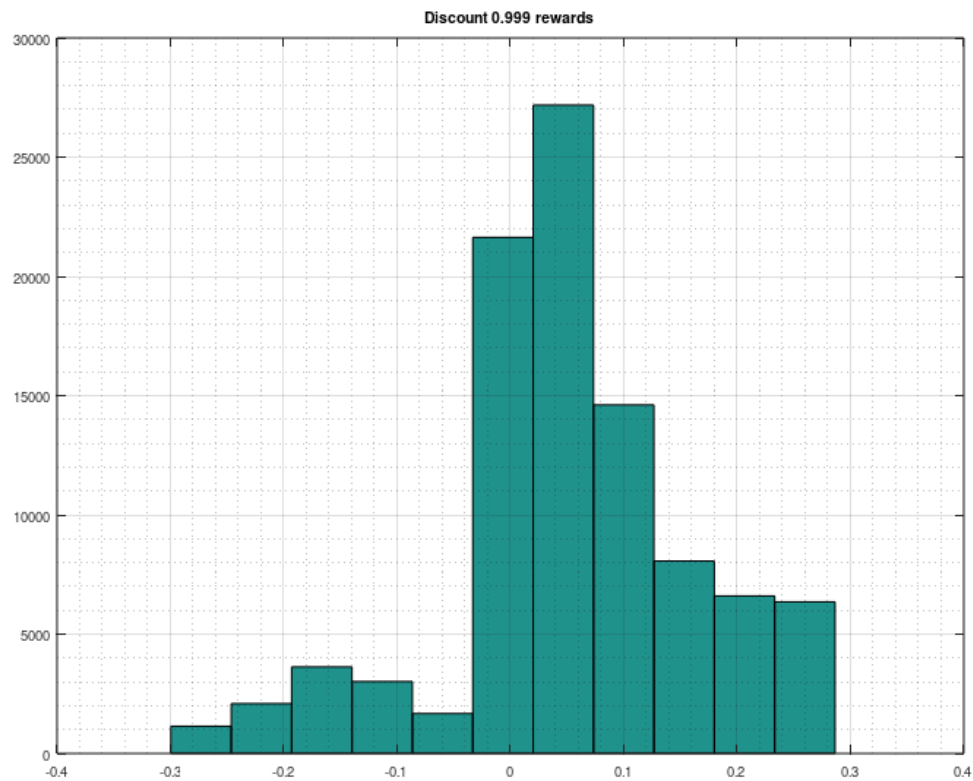
Discount 0.999 rewards notes

[Notes]

Discount 0.999 rewards chart



Discount 0.999 rewards histogram



Halt max prob.

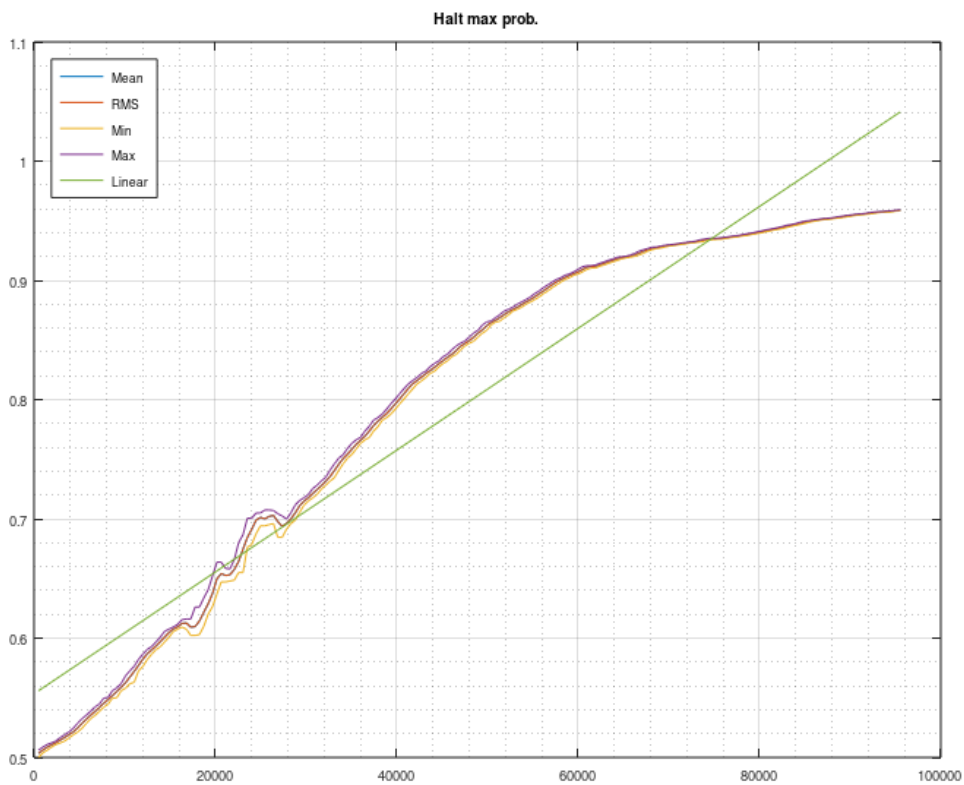
KPI	
Mean	0.799
Sigma	0.147
RMS	0.812
Min	0.5
Median	0.849
Max	0.959
Trend	Linear
From	0.553
To	1.04

0.521	0.563	0.604	0.646	0.688	0.73	0.771	0.813	0.855	0.896	0.938
7124	4938	6764	3968	6252	4994	5328	5952	7446	11322	31912

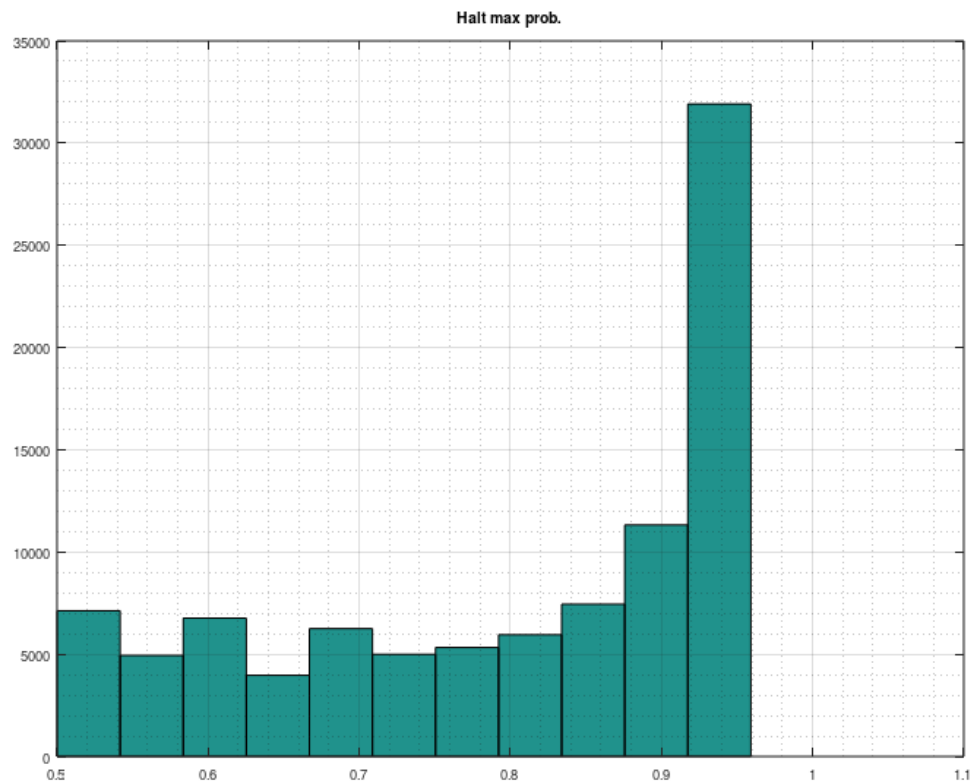
Halt max prob. notes

[Notes]

Halt max prob. chart



Halt max prob. histogram



Direction max prob.

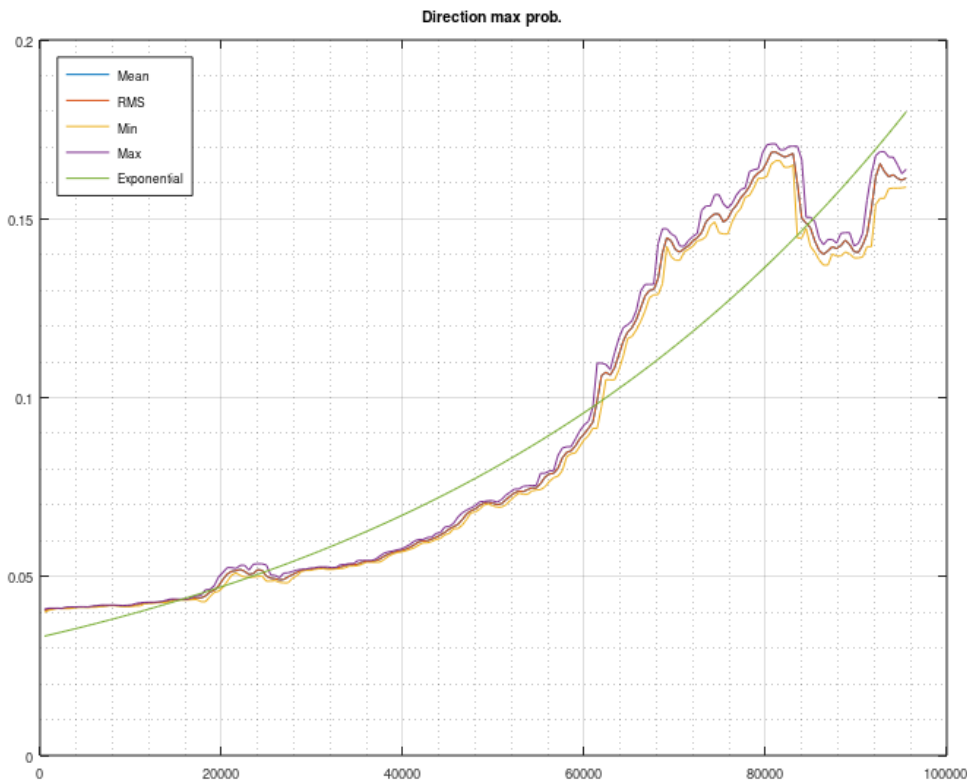
KPI	
Mean	0.0883
Sigma	0.0454
RMS	0.0993
Min	0.04
Median	0.069
Max	0.171
Trend	Exponential
From	0.0331
To	0.181

0.046	0.0579	0.0698	0.0817	0.0936	0.105	0.117	0.129	0.141	0.153	0.165
27952	17526	9820	3976	2212	2224	2302	2356	11574	6752	9306

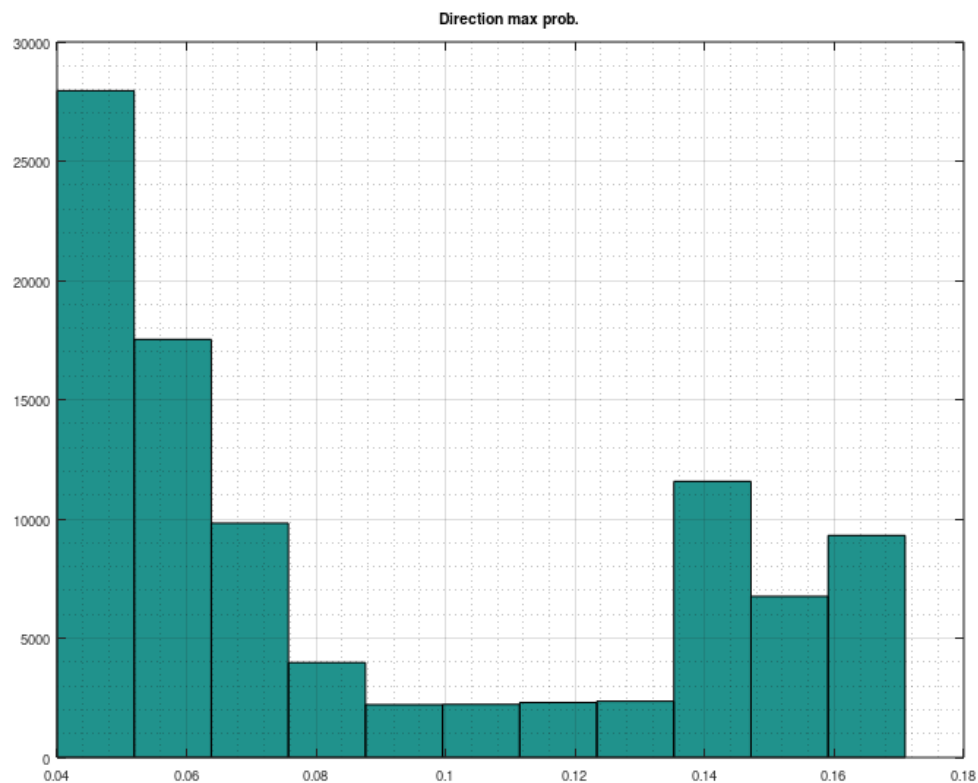
Direction max prob. notes

[Notes]

Direction max prob. chart



Direction max prob. histogram



Speed max prob.

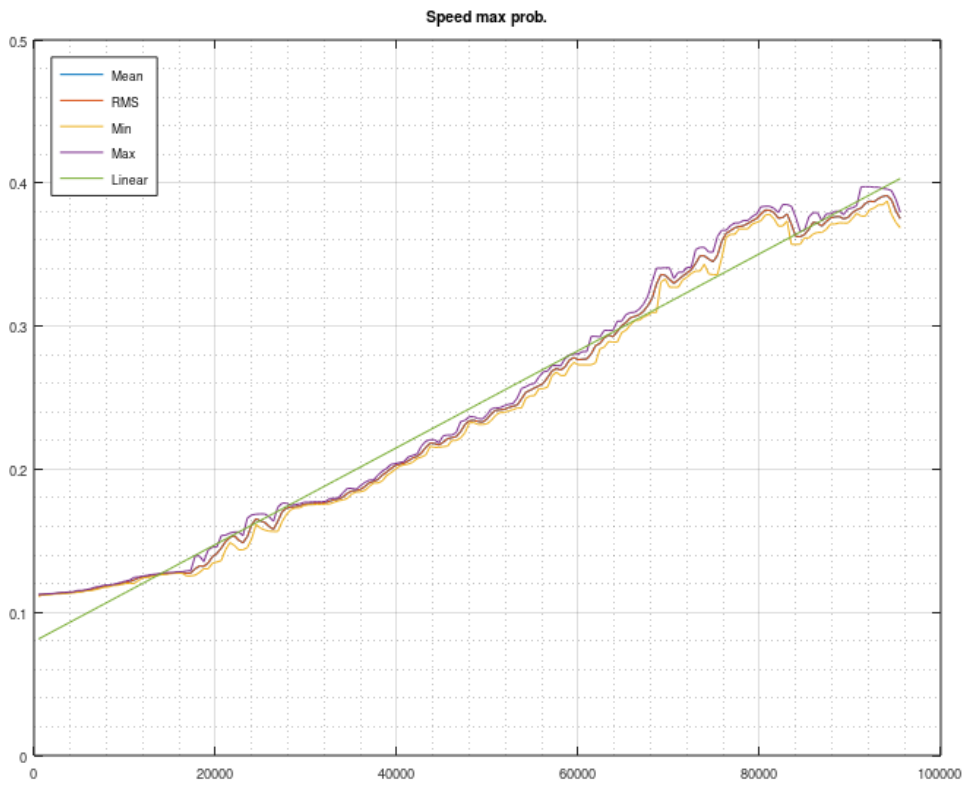
KPI	
Mean	0.242
Sigma	0.0948
RMS	0.26
Min	0.111
Median	0.233
Max	0.397
Trend	Linear
From	0.0797
To	0.405

0.124	0.15	0.176	0.202	0.228	0.254	0.28	0.306	0.332	0.358	0.384
19582	5944	11102	6436	8094	5914	6526	4704	5246	8066	14386

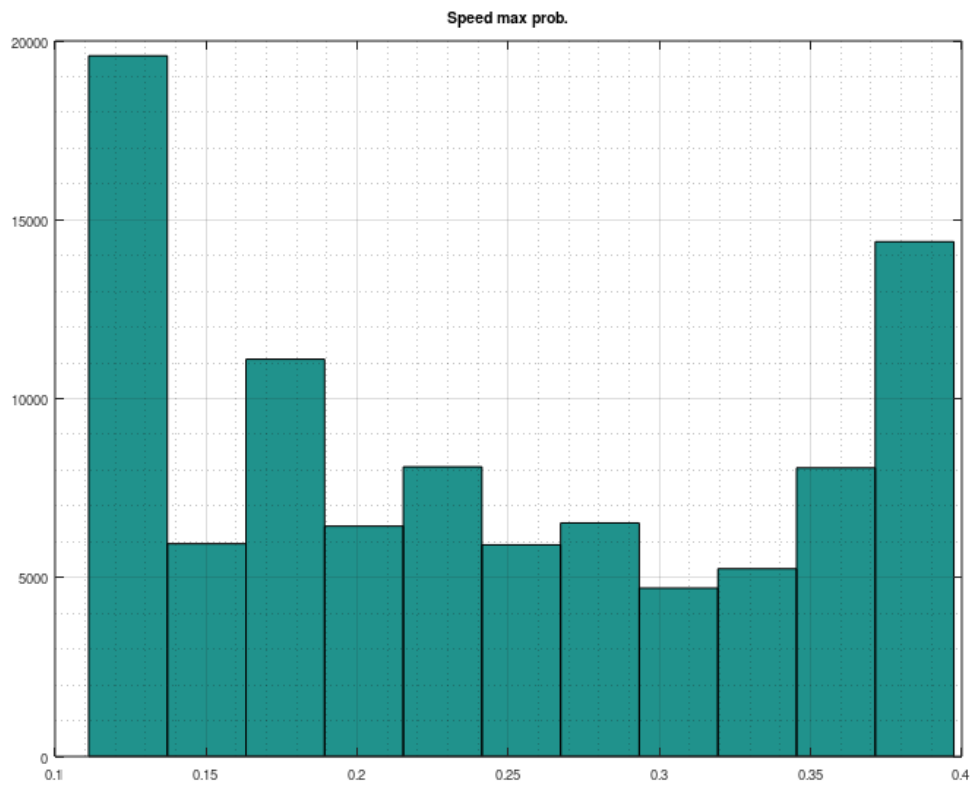
Speed max prob. notes

[Notes]

Speed max prob. chart



Speed max prob. histogram



Sensor direction max prob.

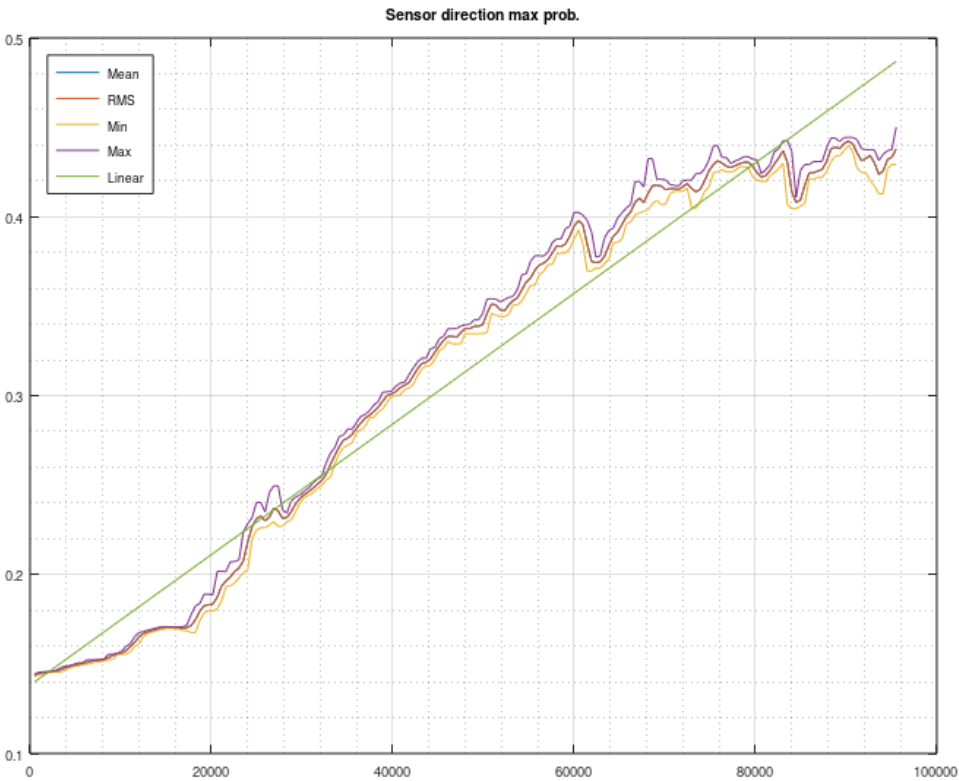
KPI	
Mean	0.313
Sigma	0.104
RMS	0.33
Min	0.143
Median	0.337
Max	0.45
Trend	Linear
From	0.138
To	0.489

0.157	0.185	0.213	0.241	0.269	0.296	0.324	0.352	0.38	0.408	0.436
17622	4454	2346	8202	3640	5908	6872	6268	8574	12948	19166

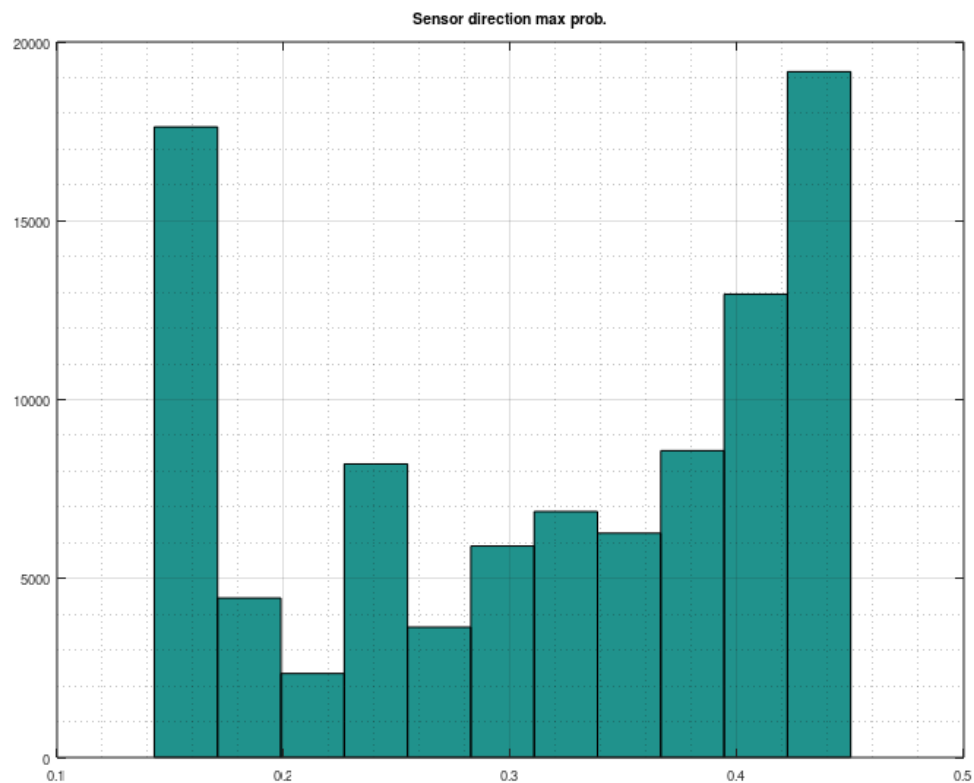
Sensor direction max prob. notes

[Notes]

Sensor direction max prob. chart



Sensor direction max prob. histogram



Delta halt prob.

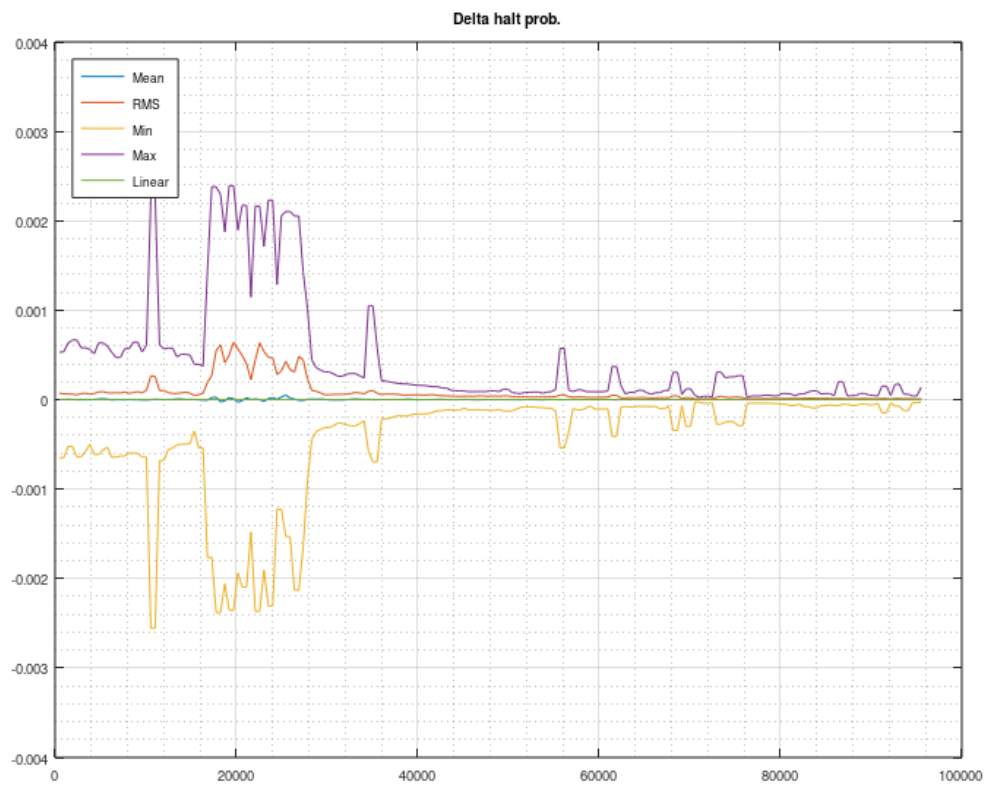
KPI	
Mean	7.54e-07
Sigma	0.000163
RMS	0.000163
Min	-0.00256
Median	3.4e-08
Max	0.00239
Trend	Linear
From	1.9e-06
To	-3.97e-07

-0.00233	-0.00188	-0.00143	-0.000982	-0.000532	-8.26e-05	0.000367	0.000817	0.00127	0.00172	0.00217
20	40	132	342	1290	90540	2822	502	194	86	32

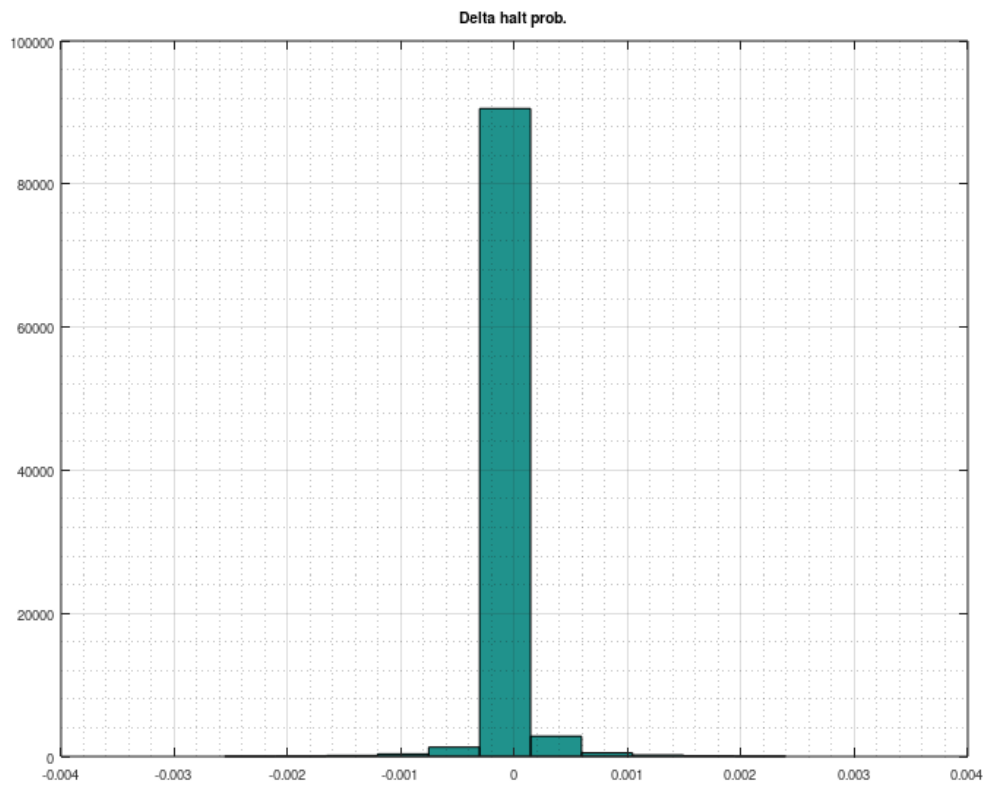
Delta halt prob. notes

[Notes]

Delta halt prob. chart



Delta halt prob. histogram



Delta direction prob.

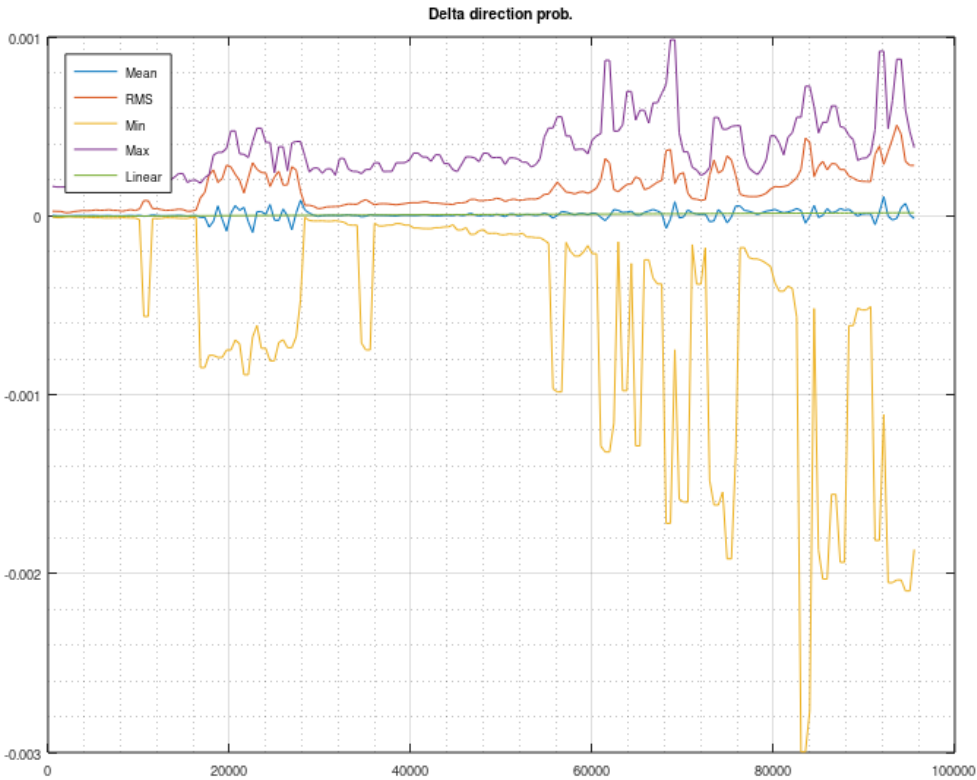
KPI	
Mean	6.55e-06
Sigma	0.000178
RMS	0.000178
Min	-0.003
Median	-6.57e-06
Max	0.000984
Trend	Linear
From	-3.81e-06
To	1.69e-05

-0.00282	-0.00245	-0.00209	-0.00173	-0.00137	-0.00101	-0.000645	-0.000283	7.88e-05	0.000441	0.000803
4	2	16	50	134	434	1178	8738	81416	3958	70

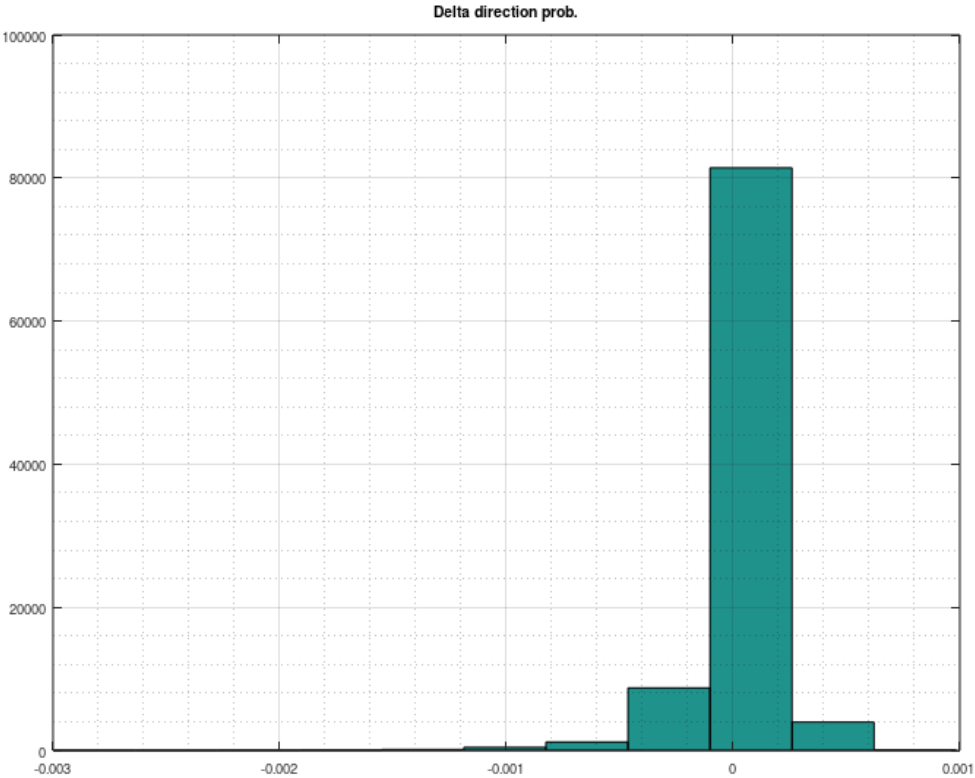
Delta direction prob. notes

[Notes]

Delta direction prob. chart



Delta direction prob. histogram



Delta speed prob.

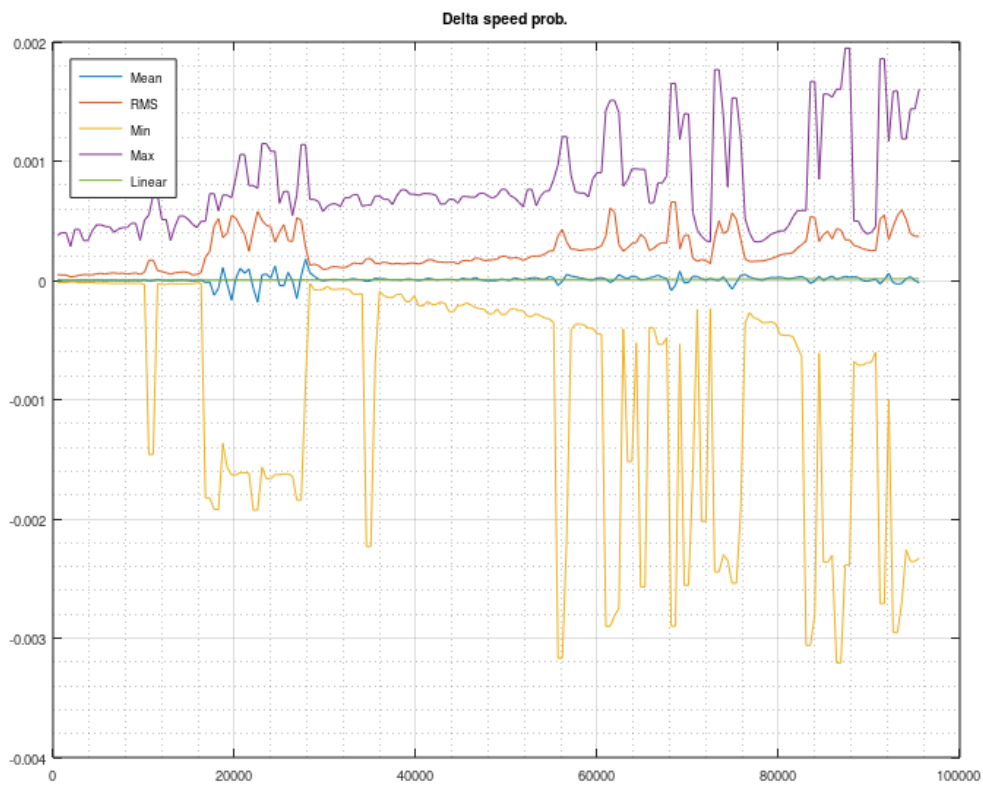
KPI	
Mean	7.2e-06
Sigma	0.00029
RMS	0.00029
Min	-0.00321
Median	-1.11e-05
Max	0.00195
Trend	Linear
From	8.33e-07
To	1.36e-05

-0.00297	-0.0025	-0.00204	-0.00157	-0.0011	-0.00063	-0.000162	0.000307	0.000775	0.00124	0.00171
22	78	150	338	902	2582	61622	27962	2168	140	36

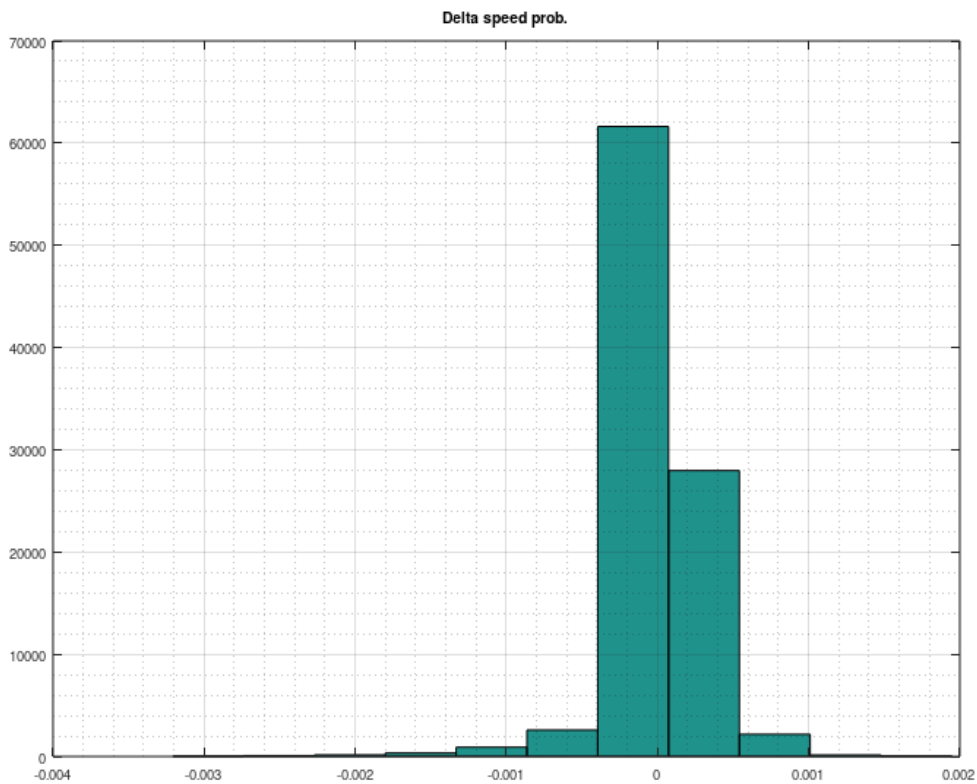
Delta speed prob. notes

[Notes]

Delta speed prob. chart



Delta speed prob. histogram



Delta sensor direction prob.

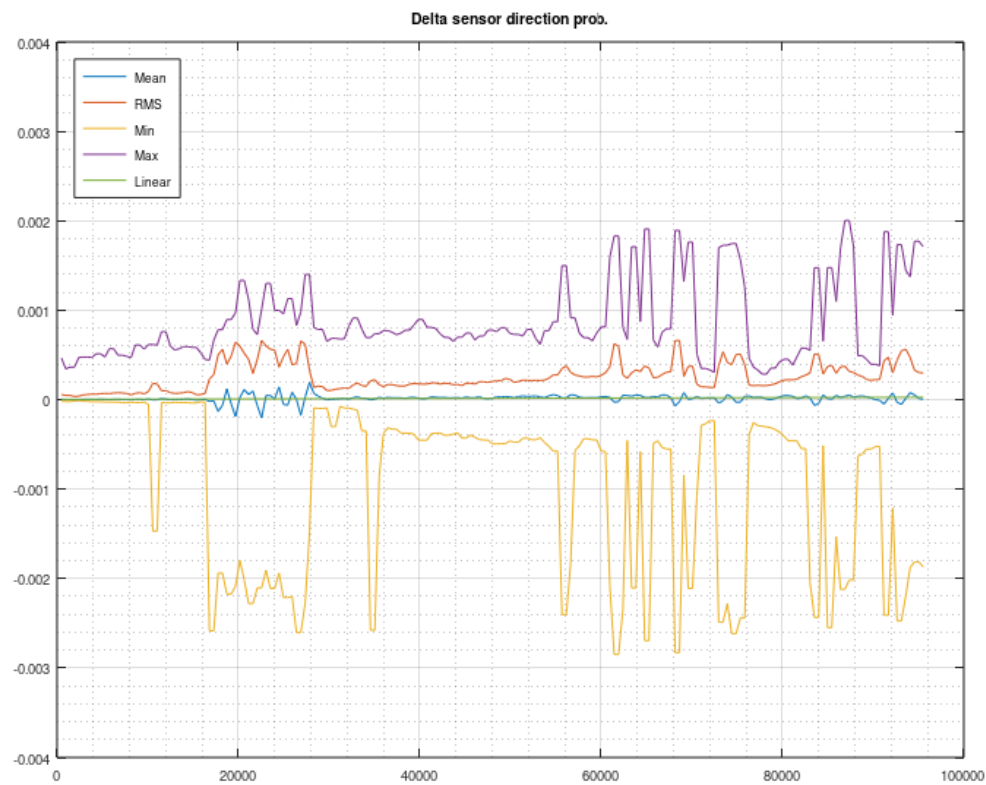
KPI	
Mean	1.46e-05
Sigma	0.0003
RMS	0.000301
Min	-0.00285
Median	-8.89e-06
Max	0.002
Trend	Linear
From	2.7e-06
To	2.65e-05

-0.00263	-0.00219	-0.00175	-0.00131	-0.000864	-0.000423	1.79e-05	0.000459	0.0009	0.00134	0.00178
44	156	328	582	1474	7906	70002	14444	904	122	38

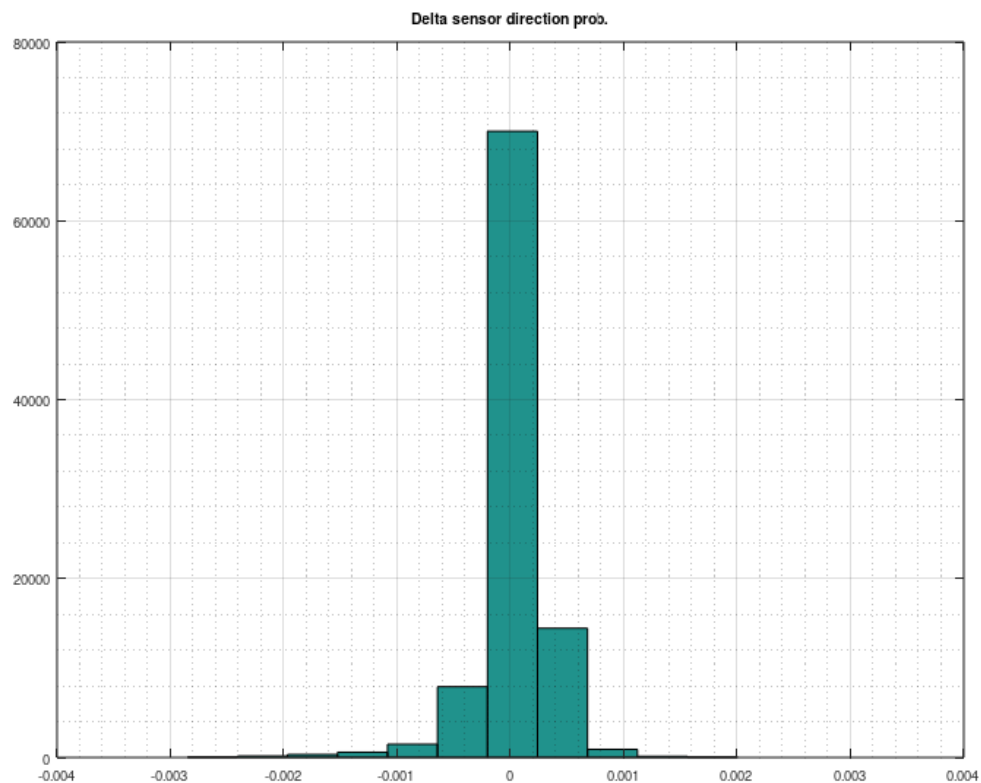
Delta sensor direction prob. notes

[Notes]

Delta sensor direction prob. chart



Delta sensor direction prob. histogram



Advantage residual estimation (critic)

KPI	
Mean	0.0202
Sigma	0.043
RMS	0.0475
Min	-0.159
Median	0.017
Max	0.115
Trend	Linear
From	-0.031
To	0.0713

-0.147	-0.122	-0.0971	-0.0721	-0.0472	-0.0222	0.00276	0.0277	0.0527	0.0776	0.103
588	924	1302	2152	3022	5108	31344	24762	12556	8320	5922

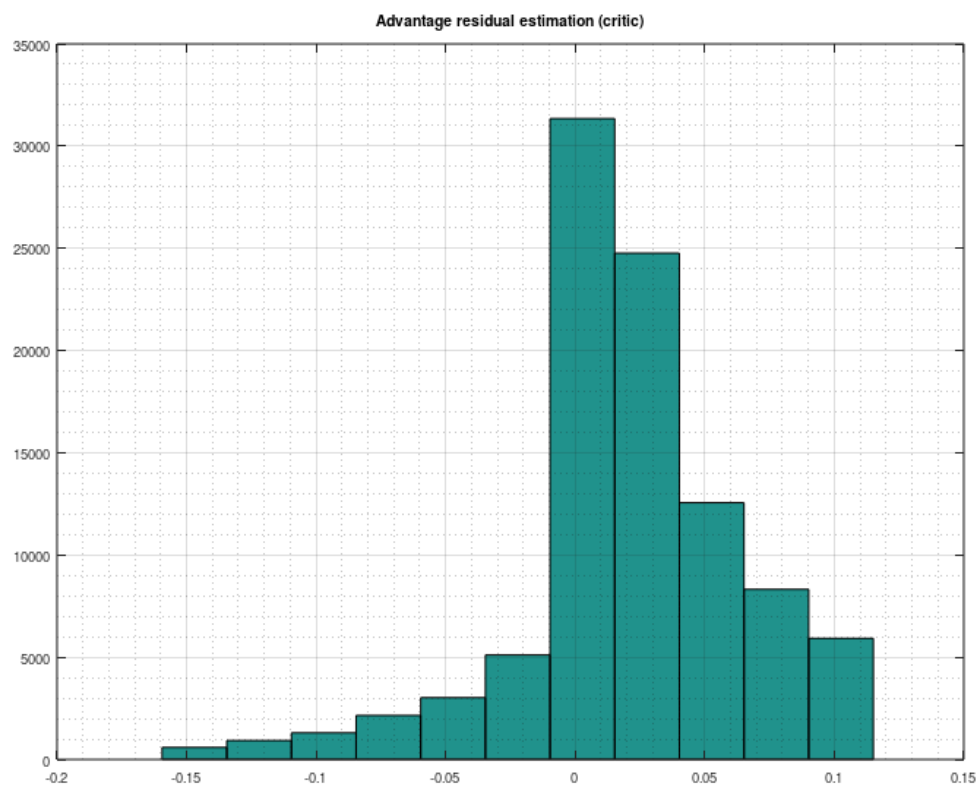
Advantage residual estimation (critic) notes

[Notes]

Advantage residual estimation (critic) chart



Advantage residual estimation (critic) histogram



Delta Advantage residual estimation (critic)

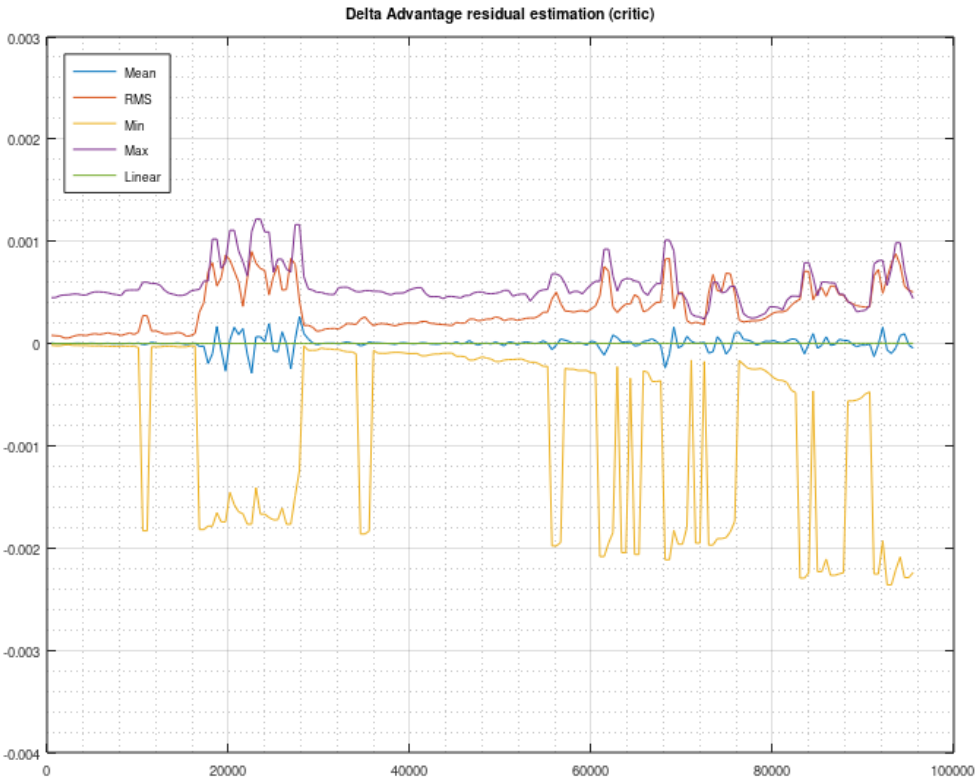
KPI	
Mean	1.26e-06
Sigma	0.000403
RMS	0.000403
Min	-0.00236
Median	-2.11e-05
Max	0.00122
Trend	Linear
From	-8.93e-09
To	2.54e-06

-0.0022	-0.00187	-0.00155	-0.00122	-0.000896	-0.000571	-0.000245	8.01e-05	0.000405	0.000731	0.00106
318	770	1194	836	86	3418	25026	38820	22528	2844	160

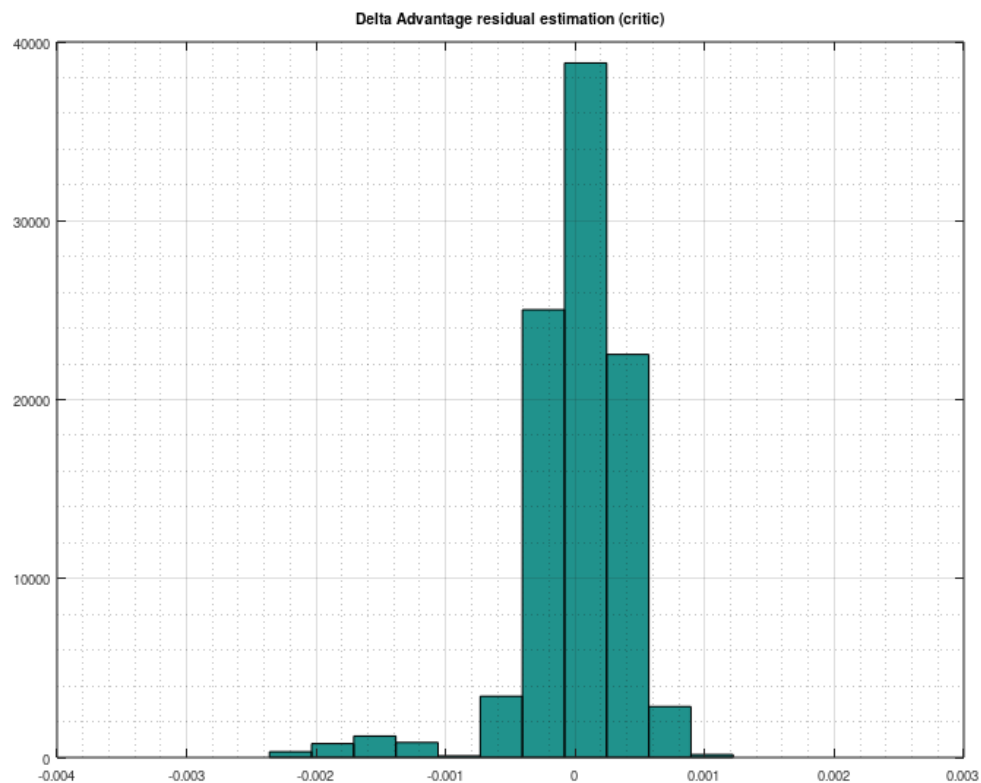
Delta Advantage residual estimation (critic) notes

[Notes]

Delta Advantage residual estimation (critic) chart



Delta Advantage residual estimation (critic) histogram



Avg Rewards

KPI	
Mean	0.0561
Sigma	0.12
RMS	0.132
Min	-0.443
Median	0.0474
Max	0.32
Trend	Linear
From	-0.0861
To	0.198

-0.409	-0.339	-0.27	-0.2	-0.131	-0.0617	0.00771	0.0771	0.146	0.216	0.285
586	920	1302	2154	3008	5112	31334	24794	12554	8334	5902

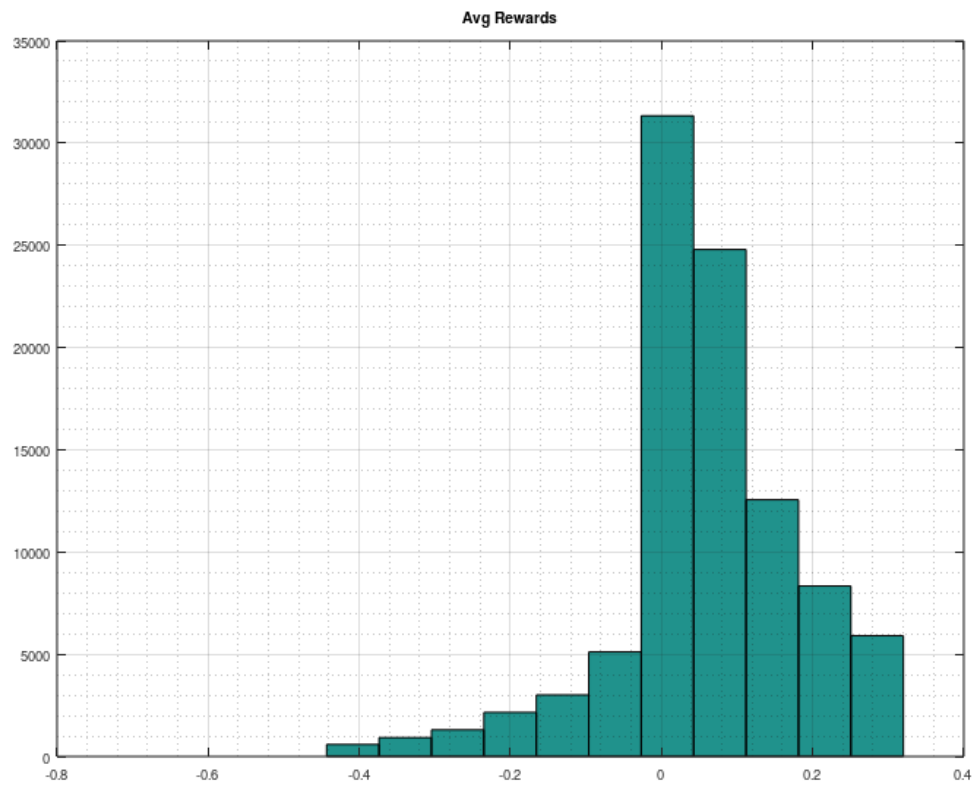
Avg Rewards notes

[Notes]

Avg Rewards chart



Avg Rewards histogram



Halt gradient

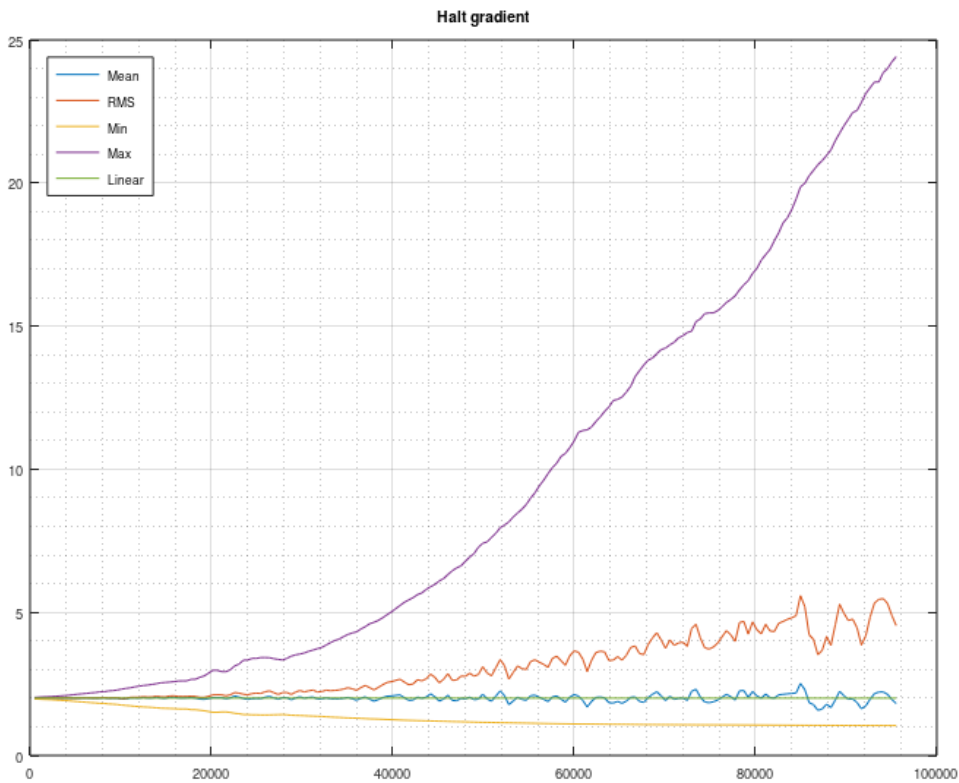
KPI	
Mean	2
Sigma	2.54
RMS	3.23
Min	1.04
Median	1.21
Max	24.4
Trend	Linear
From	2
To	2

2.1	4.23	6.35	8.48	10.6	12.7	14.9	17	19.1	21.2	23.3
86568	4638	1488	768	540	428	626	328	220	184	212

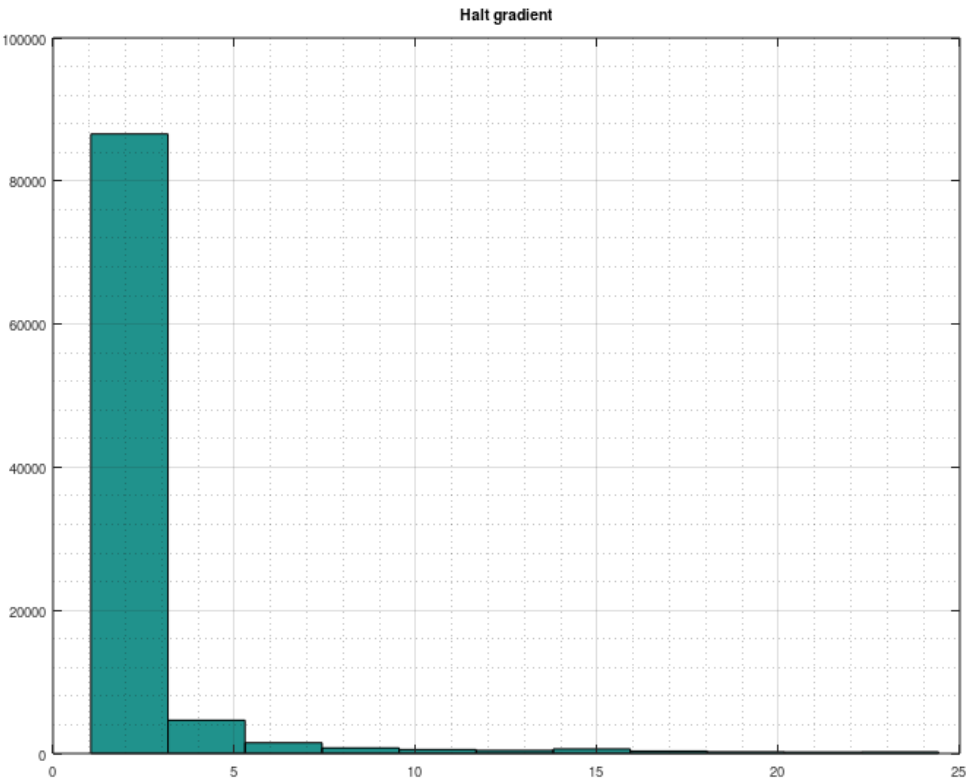
Halt gradient notes

[Notes]

Halt gradient chart



Halt gradient histogram



Direction gradient

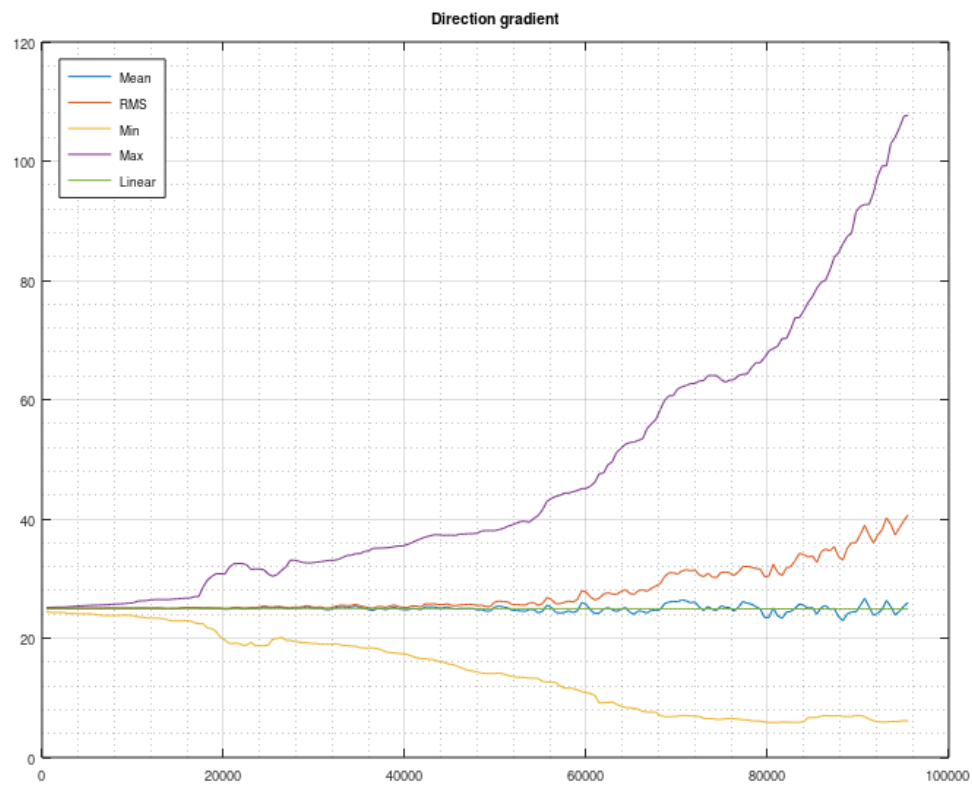
KPI	
Mean	25
Sigma	13.1
RMS	28.2
Min	5.85
Median	24.9
Max	108
Trend	Linear
From	25
To	24.9

10.5	19.7	29	38.3	47.5	56.8	66	75.3	84.5	93.8	103
19784	23542	39616	5596	2946	1852	1220	662	474	240	68

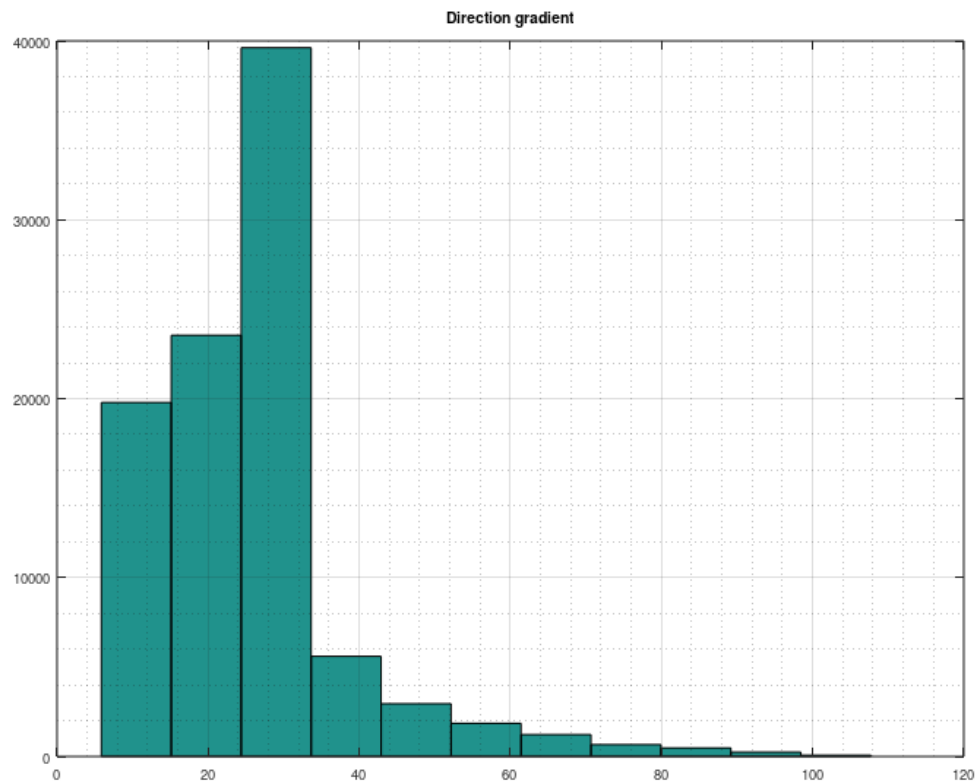
Direction gradient notes

[Notes]

Direction gradient chart



Direction gradient histogram



Speed gradient

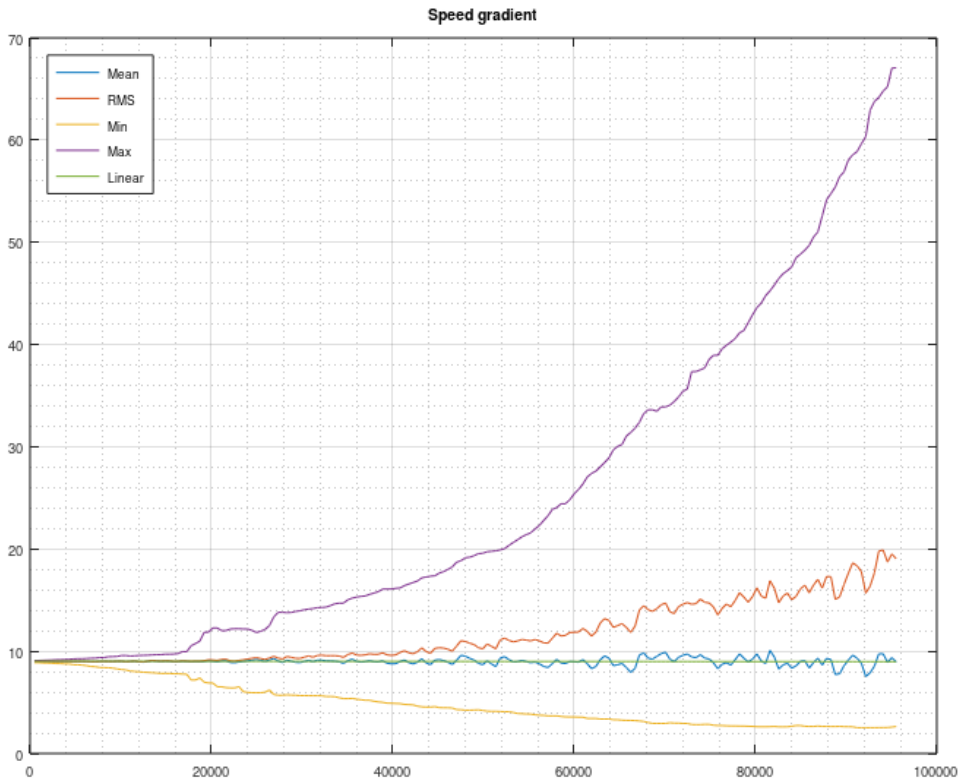
KPI	
Mean	9
Sigma	8.1
RMS	12.1
Min	2.52
Median	6.62
Max	67.1
Trend	Linear
From	9.02
To	8.98

5.45	11.3	17.2	23.1	28.9	34.8	40.7	46.5	52.4	58.3	64.1
54834	28872	5392	1946	1866	1252	738	508	322	170	100

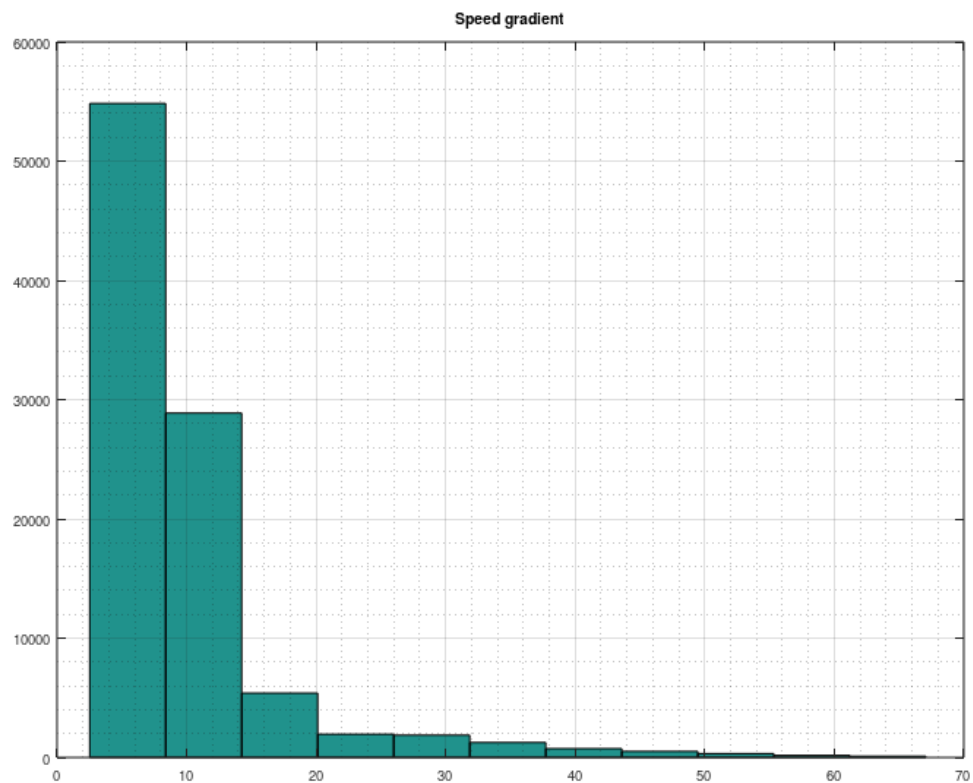
Speed gradient notes

[Notes]

Speed gradient chart



Speed gradient histogram



Sensor direction gradient

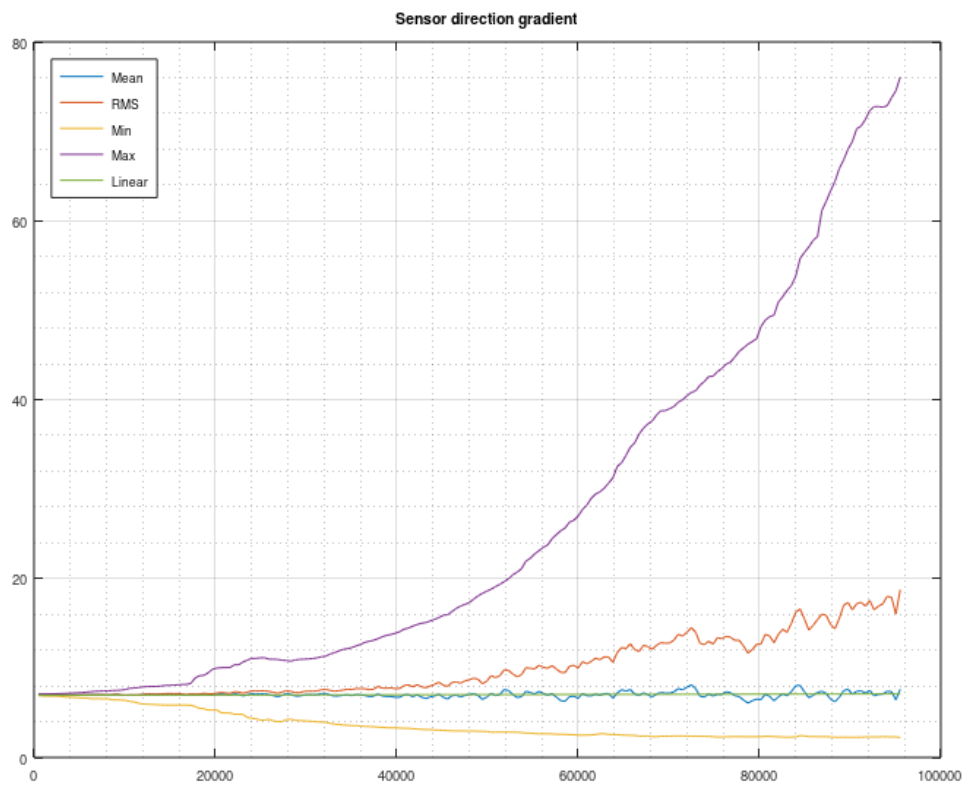
KPI	
Mean	7.02
Sigma	8.02
RMS	10.7
Min	2.22
Median	5.1
Max	76.1
Trend	Linear
From	6.94
To	7.1

5.58	12.3	19	25.7	32.4	39.1	45.9	52.6	59.3	66	72.7
81868	8228	1932	994	796	930	402	264	218	214	154

Sensor direction gradient notes

[Notes]

Sensor direction gradient chart



Sensor direction gradient histogram

