

# Report

24 November 2022, 16:46

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

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Rewards

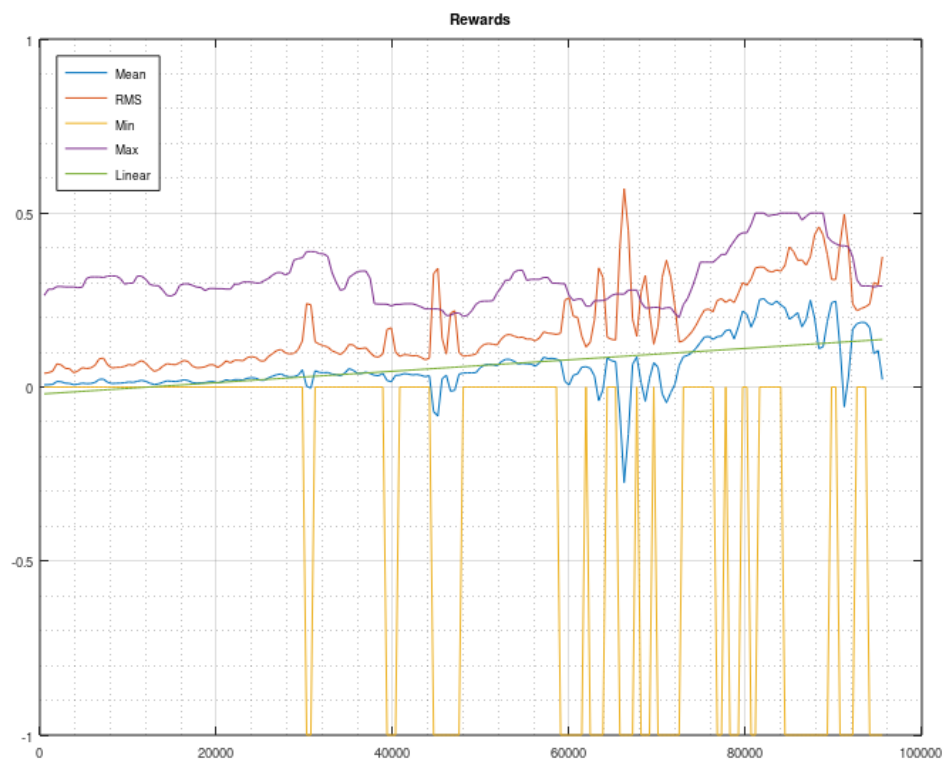
KPI	
Mean	0.0586
Sigma	0.197
RMS	0.205
Min	-1
Median	0
Max	0.5
Trend	Linear
From	-0.0202
To	0.137

-0.932	-0.795	-0.659	-0.523	-0.386	-0.25	-0.114	0.0227	0.159	0.295	0.432
1580	0	0	0	0	0	0	71046	4790	11516	7068

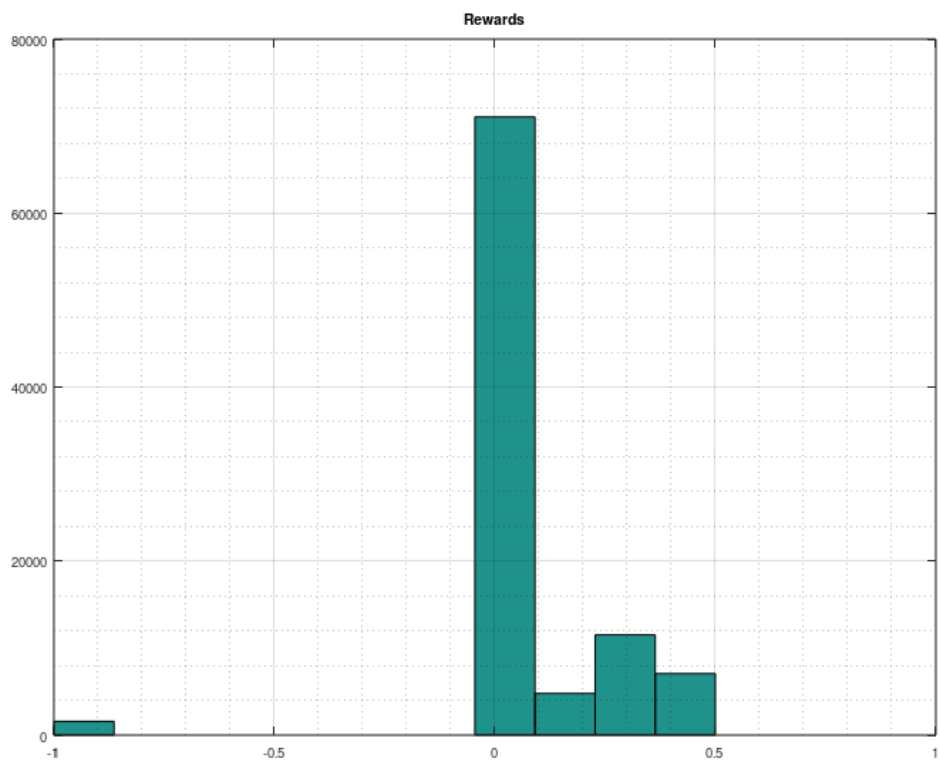
Rewards notes

[Notes]

Rewards chart



Rewards histogram



Delta

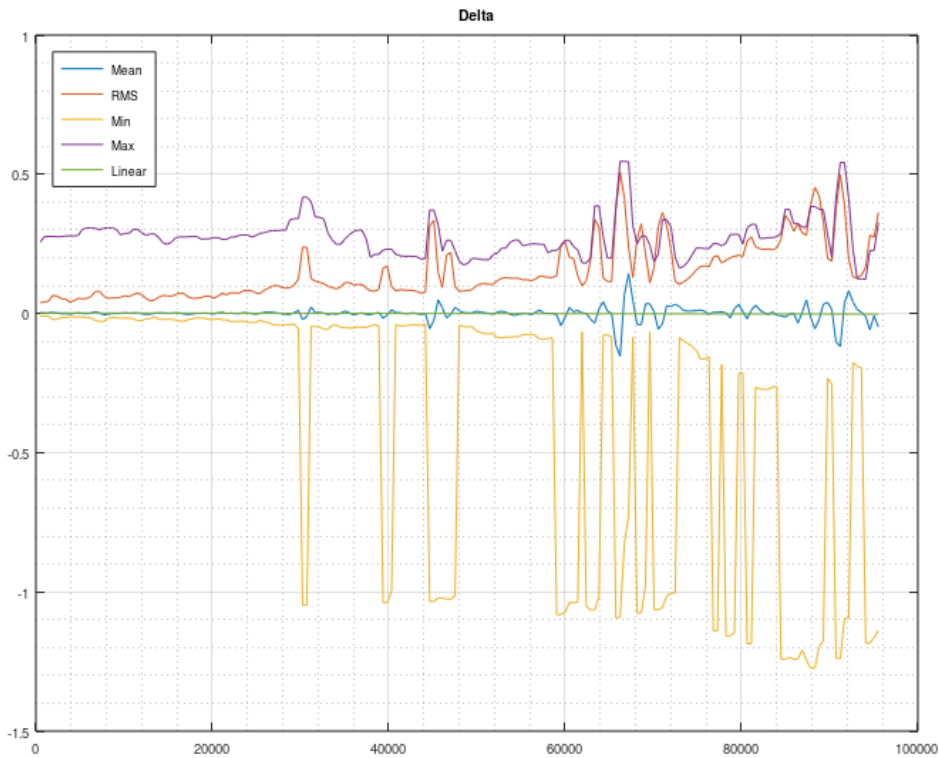
KPI										
Mean					-0.000293					
Sigma					0.182					
RMS					0.182					
Min					-1.27					
Median					-0.0184					
Max					0.546					
Trend					Linear					
From					0.00206					
To					-0.00264					

-1.19	-1.03	-0.86	-0.695	-0.529	-0.364	-0.198	-0.033	0.133	0.298	0.463
328	786	336	130	0	0	8558	61786	12764	10974	338

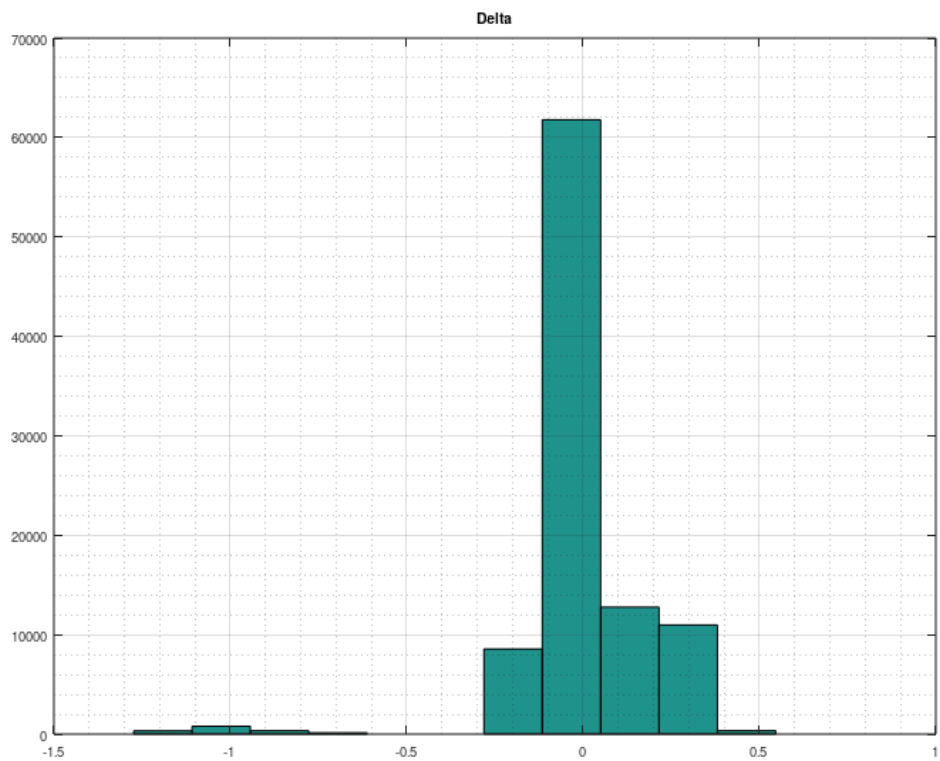
Delta notes

[Notes]

Delta chart



Delta histogram



Discount 0.999 rewards

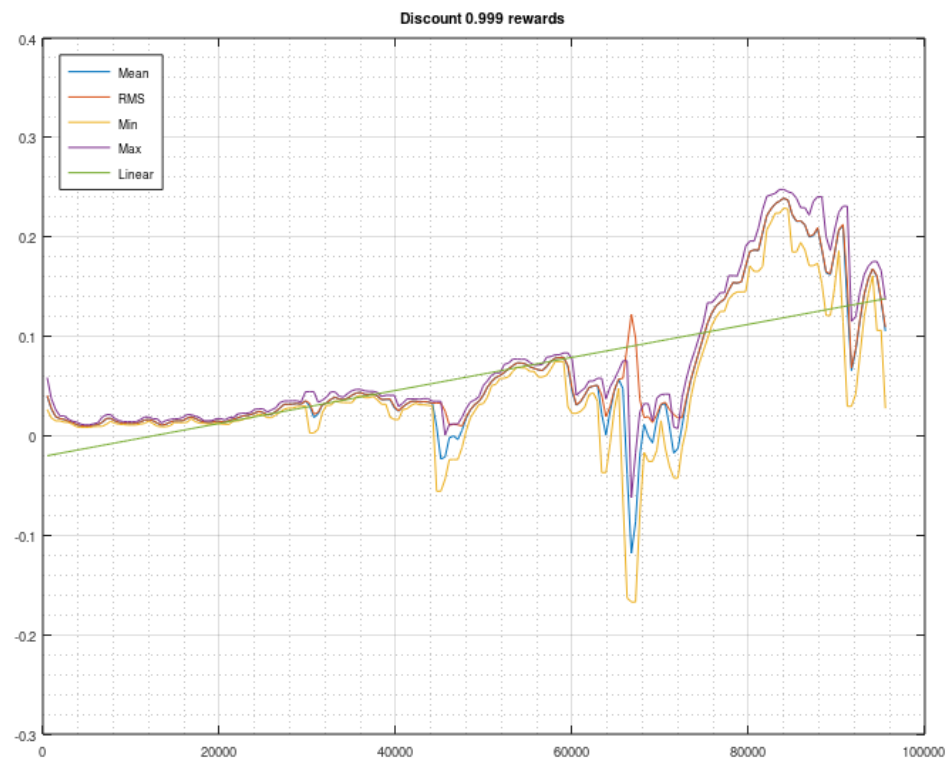
KPI	
Mean	0.0589
Sigma	0.0687
RMS	0.0905
Min	-0.167
Median	0.0343
Max	0.248
Trend	Linear
From	-0.0208
To	0.139

-0.148	-0.111	-0.0729	-0.0352	0.00255	0.0403	0.078	0.116	0.153	0.191	0.229
400	270	499	2311	29575	31976	11211	3484	5771	4699	5804

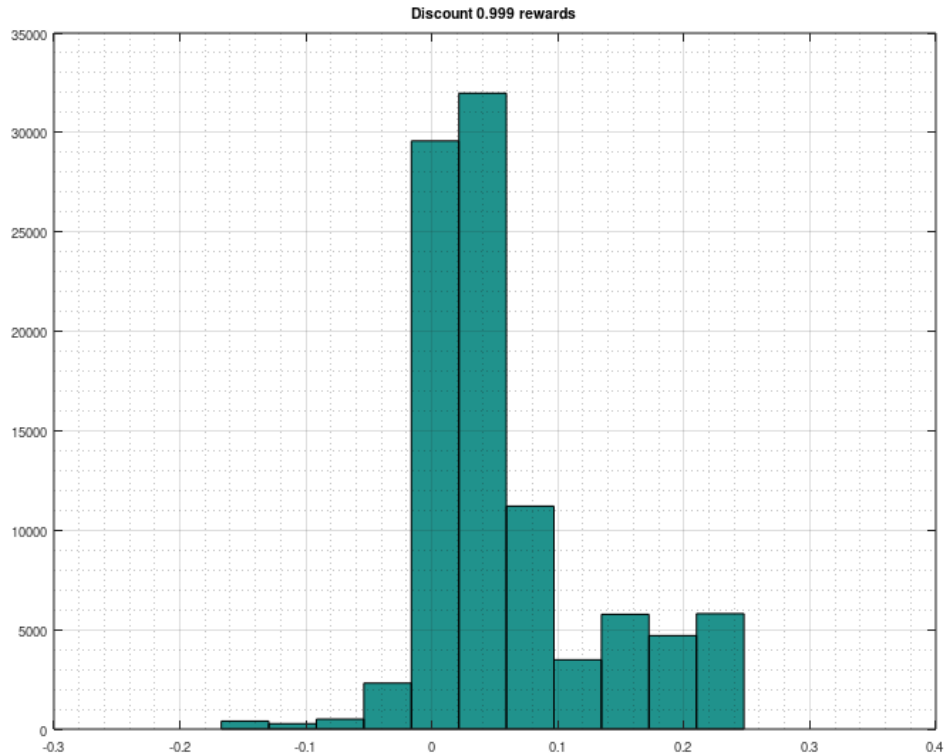
Discount 0.999 rewards notes

[Notes]

Discount 0.999 rewards chart



## Discount 0.999 rewards histogram



Halt max prob.

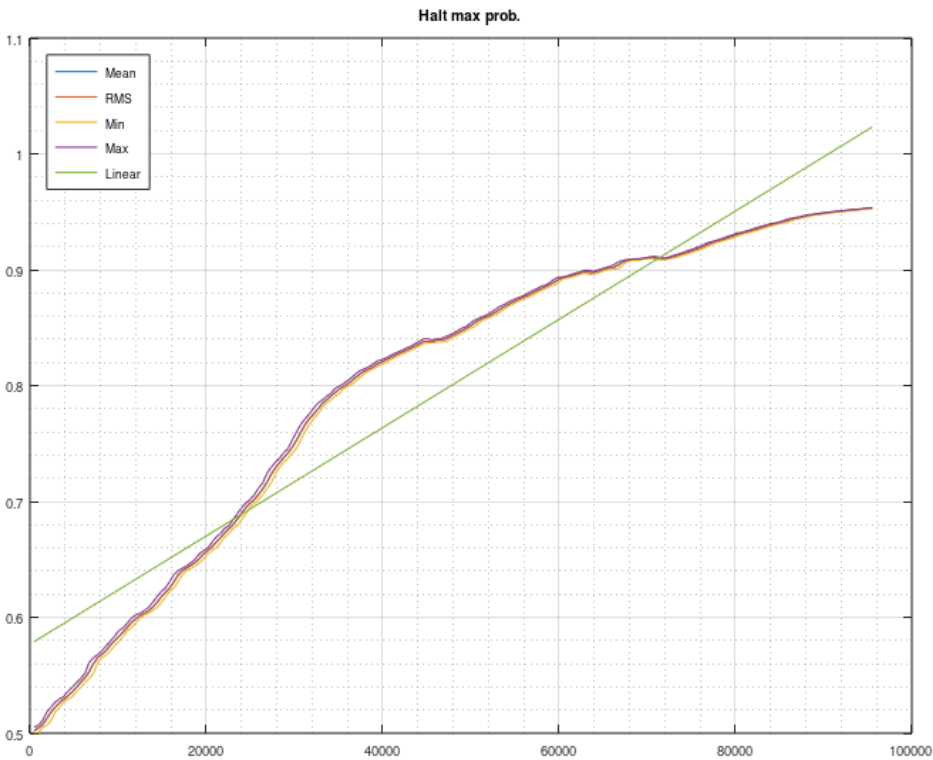
KPI	
Mean	0.801
Sigma	0.136
RMS	0.813
Min	0.5
Median	0.843
Max	0.954
Trend	Linear
From	0.577
To	1.03

0.521	0.562	0.603	0.644	0.686	0.727	0.768	0.809	0.85	0.892	0.933
5414	4480	5780	5478	4820	3842	3974	8684	12052	18908	22568

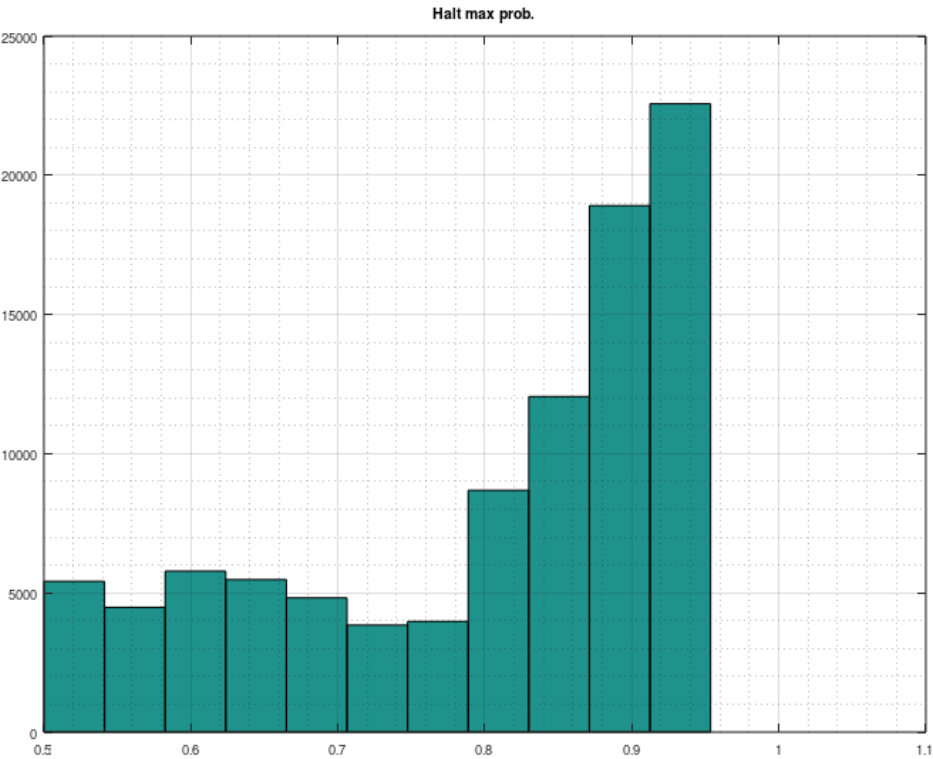
Halt max prob. notes

[Notes]

Halt max prob. chart



Halt max prob. histogram



Direction max prob.

KPI	
Mean	0.0768
Sigma	0.0394
RMS	0.0863
Min	0.04
Median	0.0601
Max	0.185
Trend	Exponential
From	0.032
To	0.148

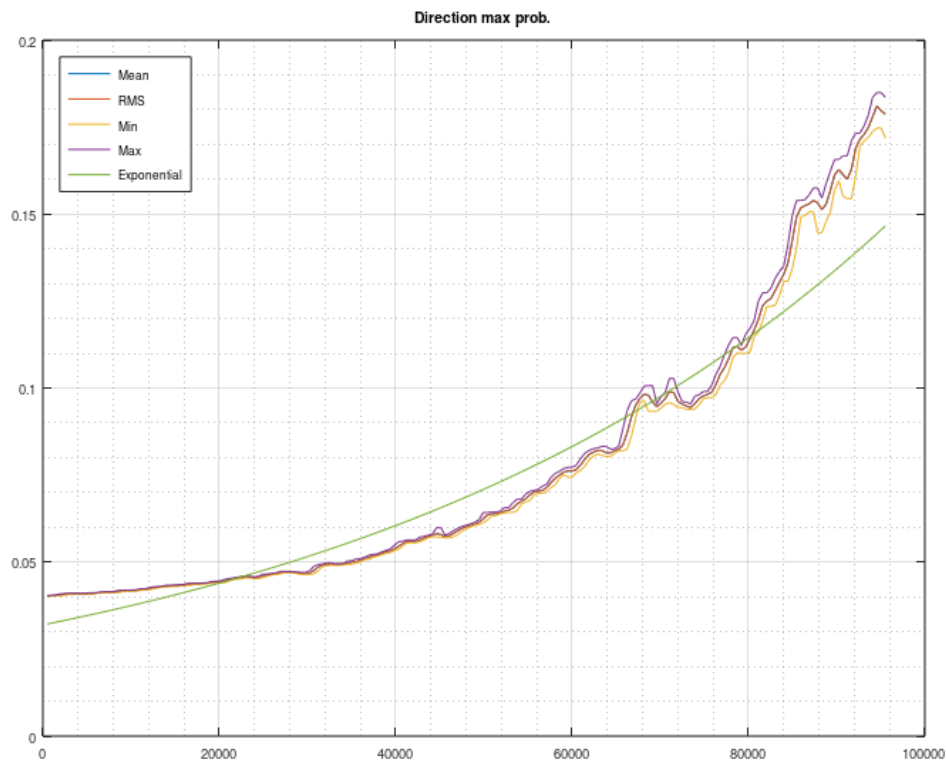
0.0466	0.0598	0.0729	0.0861	0.0993	0.112	0.126	0.139	0.152	0.165	0.178
39338	14194	7912	5244	10736	3638	2916	1156	4628	2956	3282

Direction max prob. notes

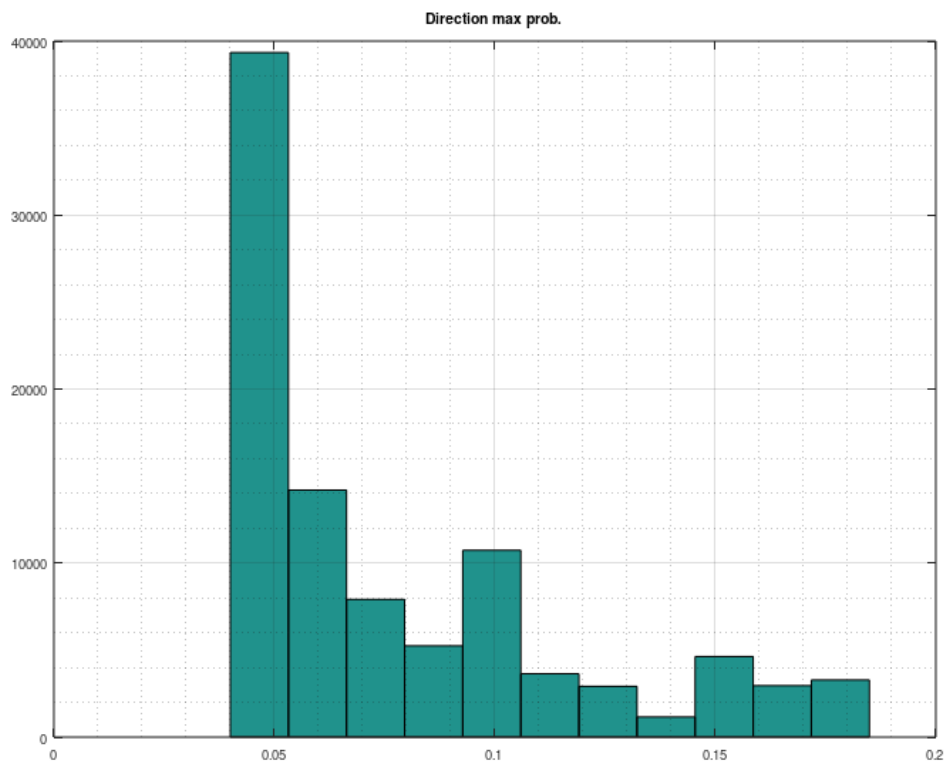
[Notes]

Direction max prob. chart





## Direction max prob. histogram



## Speed max prob.

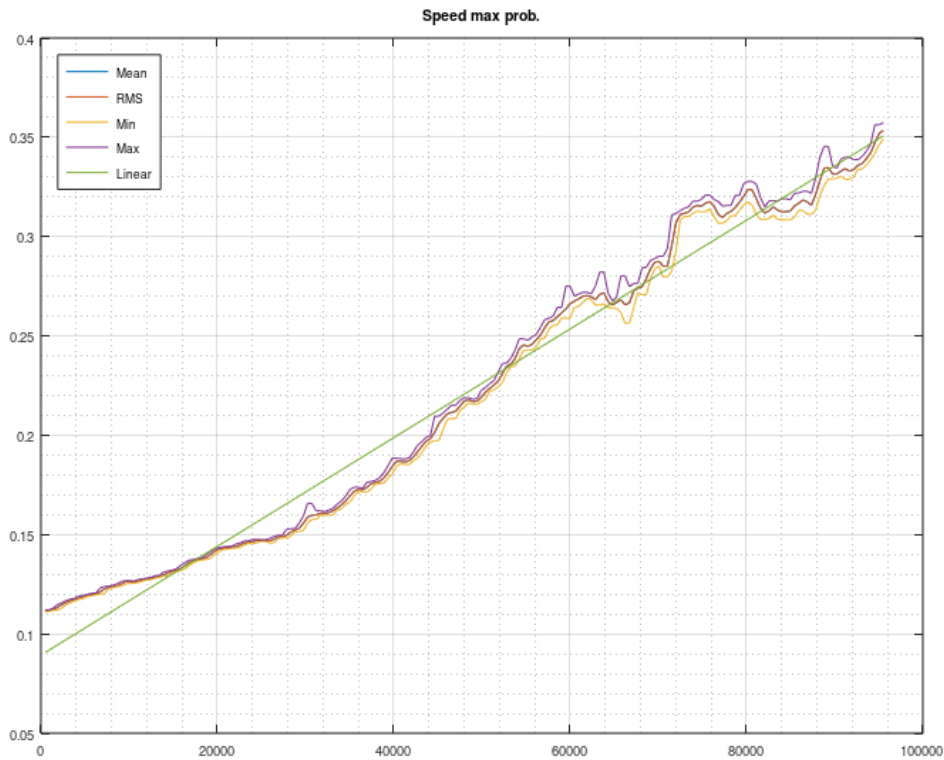
KPI	
Mean	0.221
Sigma	0.0767
RMS	0.234
Min	0.111
Median	0.216
Max	0.357
Trend	Linear
From	0.0893
To	0.352

0.122	0.145	0.167	0.189	0.212	0.234	0.257	0.279	0.301	0.324	0.346
16206	13562	9092	5908	6008	4322	7776	8608	5334	14872	4312

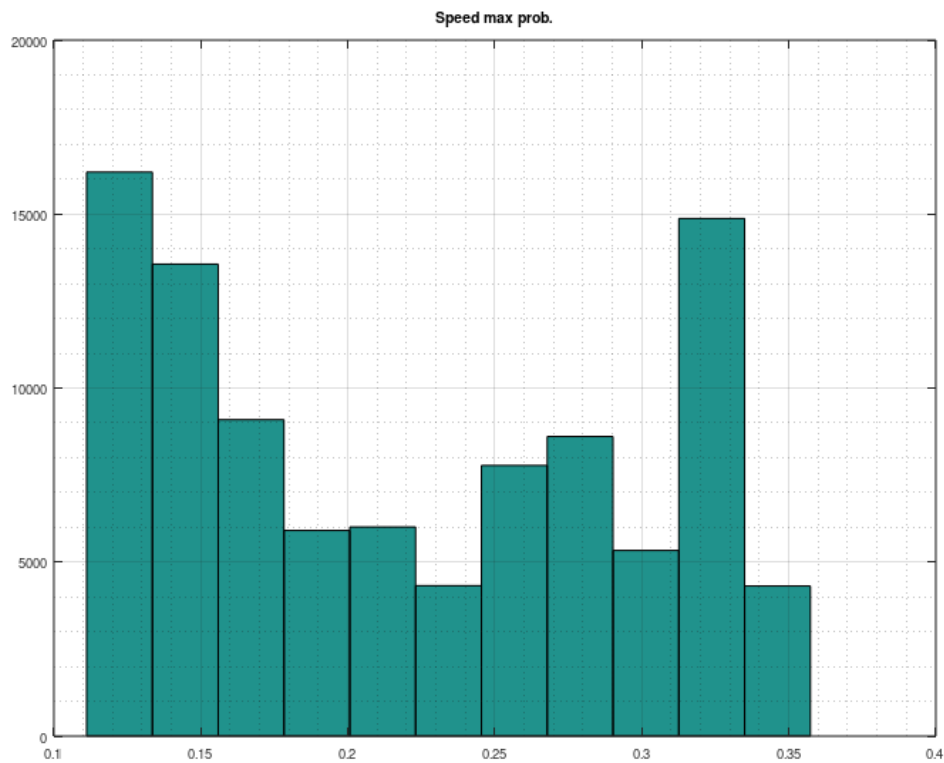
Speed max prob. notes

[Notes]

Speed max prob. chart



Speed max prob. histogram



Sensor direction max prob.

KPI	
Mean	0.267
Sigma	0.0687
RMS	0.276
Min	0.143
Median	0.274
Max	0.383
Trend	Linear
From	0.151
To	0.383

0.154	0.176	0.197	0.219	0.241	0.263	0.285	0.307	0.328	0.35	0.372
9188	11482	5016	5016	5368	11950	5532	6480	22970	10120	2878

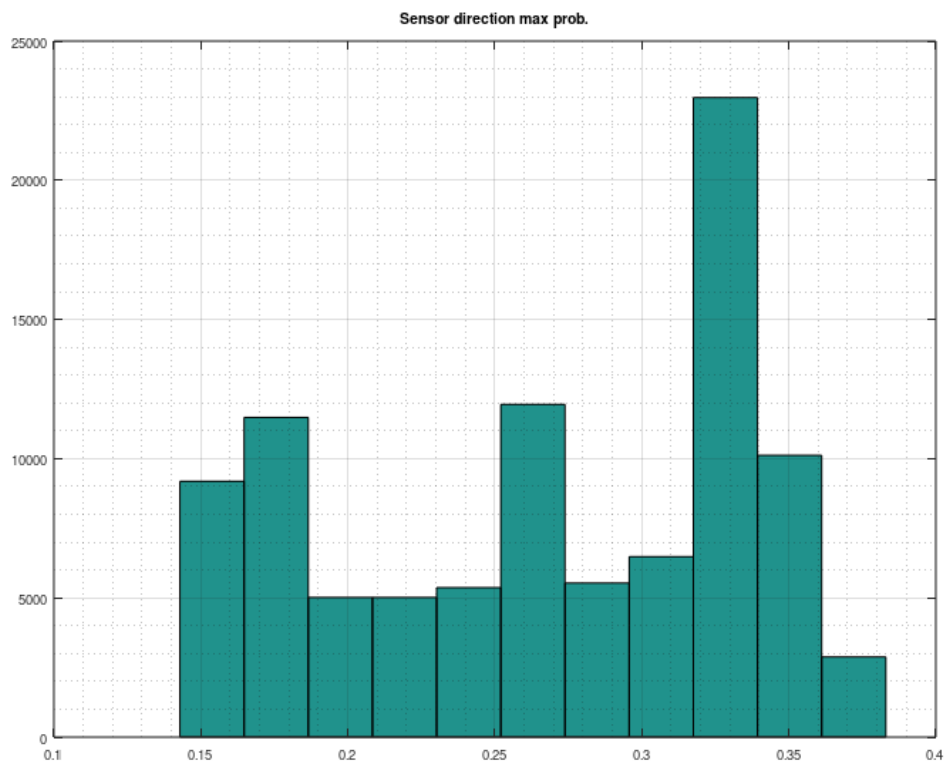
Sensor direction max prob. notes

[Notes]

Sensor direction max prob. chart



## Sensor direction max prob. histogram



## Delta halt prob.

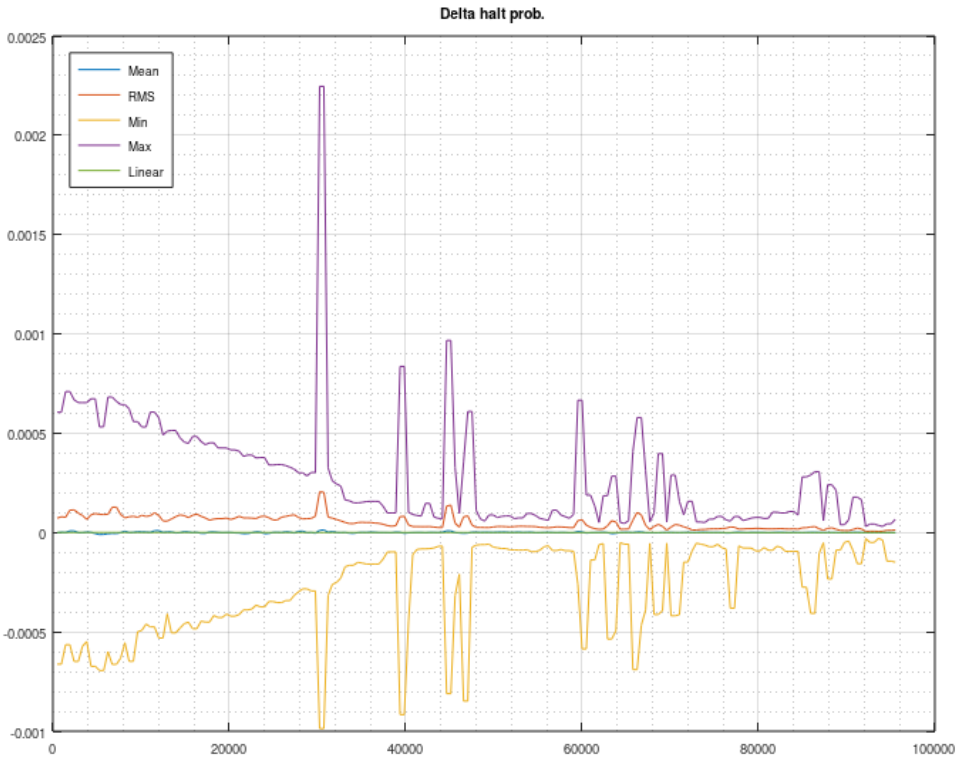
KPI	
Mean	2.65e-07
Sigma	5.96e-05
RMS	5.96e-05
Min	-0.000987
Median	0
Max	0.00225
Trend	Linear
From	5.7e-07
To	-4.01e-08

-0.00084	-0.000546	-0.000252	4.2e-05	0.000336	0.00063	0.000924	0.00122	0.00151	0.00181	0.0021
20	232	1062	93832	692	146	10	2	0	2	2

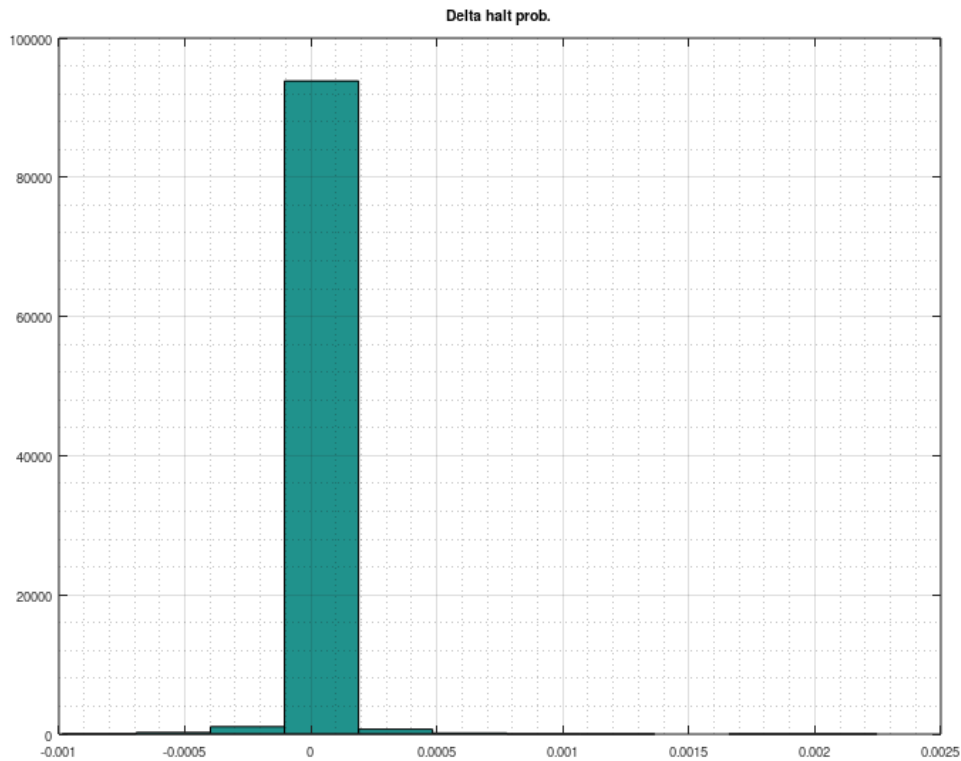
Delta halt prob. notes

[Notes]

Delta halt prob. chart



Delta halt prob. histogram



Delta direction prob.

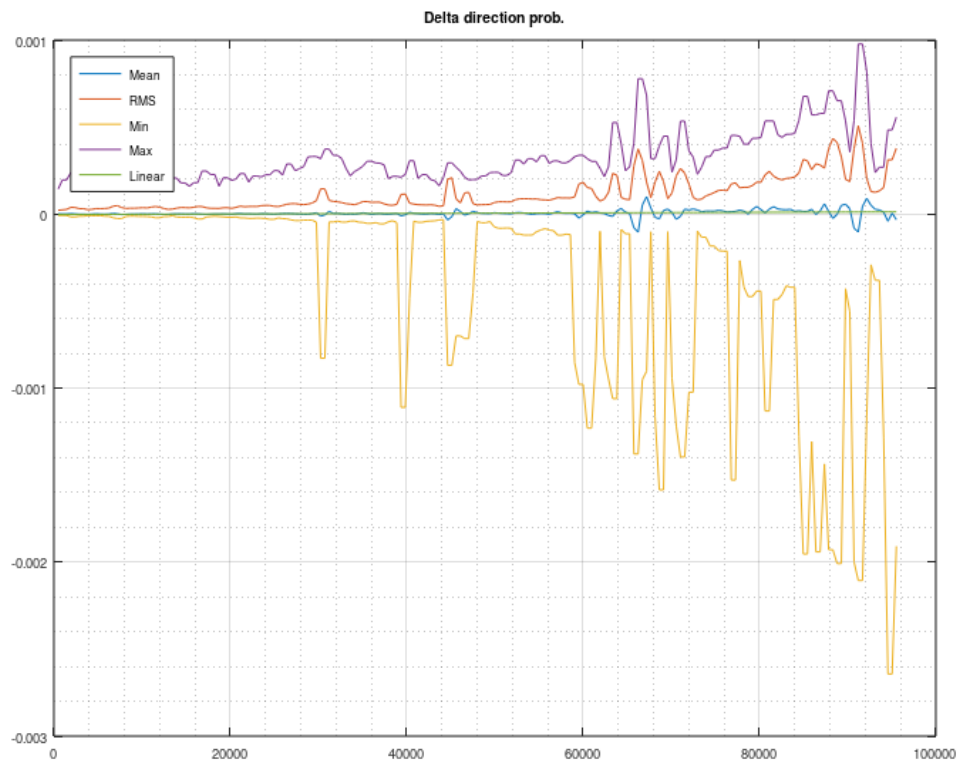
KPI	
Mean	4.92e-06
Sigma	0.000152
RMS	0.000152
Min	-0.00264
Median	-1.05e-05
Max	0.000977
Trend	Linear
From	-2.78e-06
To	1.26e-05

-0.00248	-0.00215	-0.00182	-0.00149	-0.00116	-0.000833	-0.000504	-0.000175	0.000154	0.000483	0.000813
4	8	22	66	274	442	806	46890	46098	1360	30

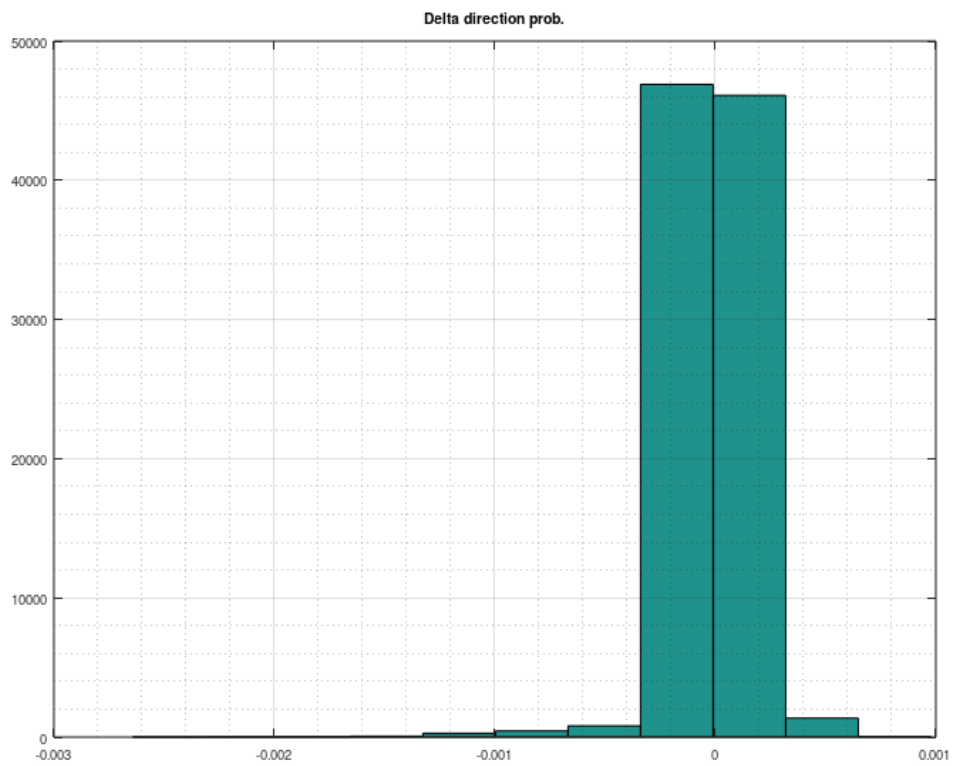
Delta direction prob. notes

[Notes]

Delta direction prob. chart



Delta direction prob. histogram



Delta speed prob.

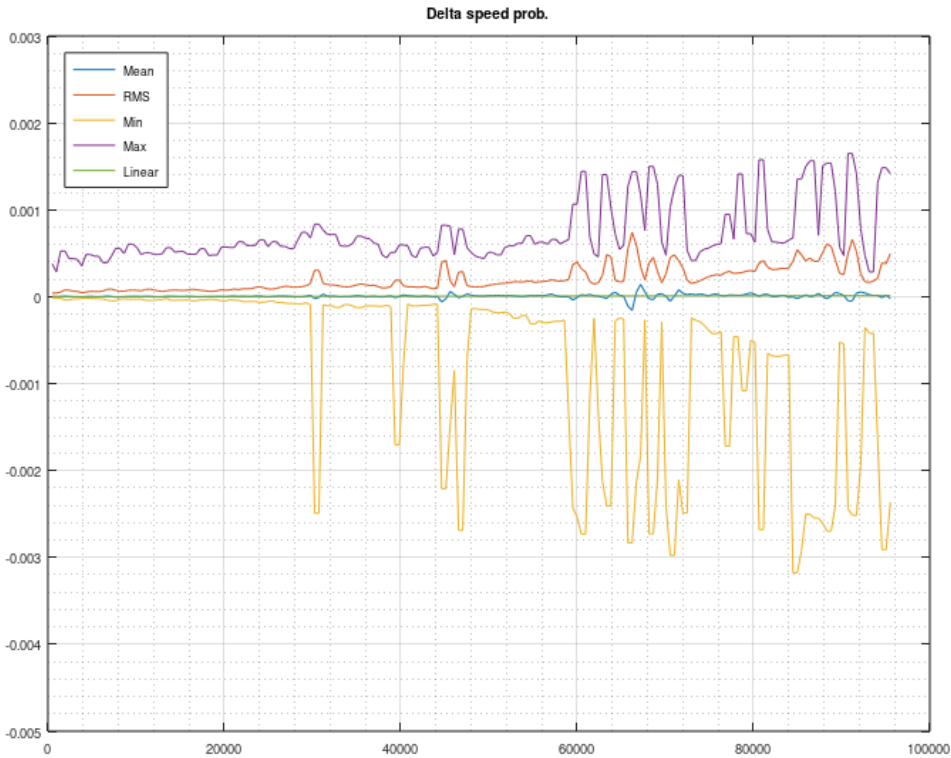
KPI	
Mean	6.06e-06
Sigma	0.000251
RMS	0.000251
Min	-0.00318
Median	-1.85e-05
Max	0.00165
Trend	Linear
From	-5.74e-07
To	1.27e-05

-0.00296	-0.00252	-0.00208	-0.00164	-0.0012	-0.000765	-0.000326	0.000112	0.000551	0.00099	0.00143
14	86	162	228	368	432	12108	75964	6304	256	78

Delta speed prob. notes

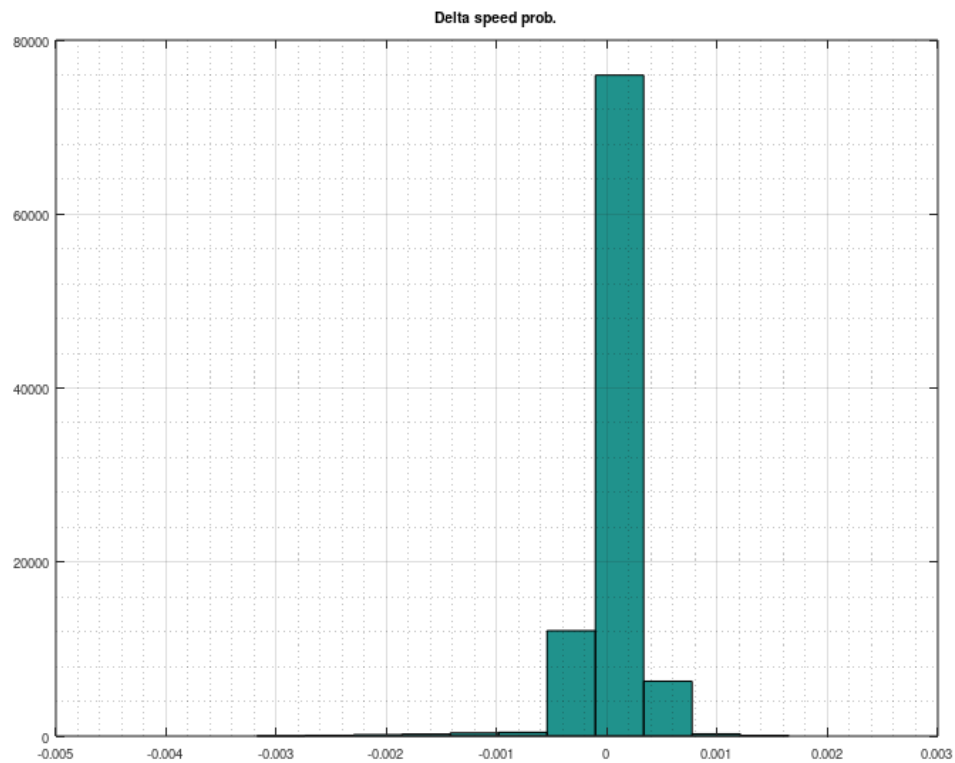
[Notes]

Delta speed prob. chart



Delta speed prob. histogram





Delta sensor direction prob.

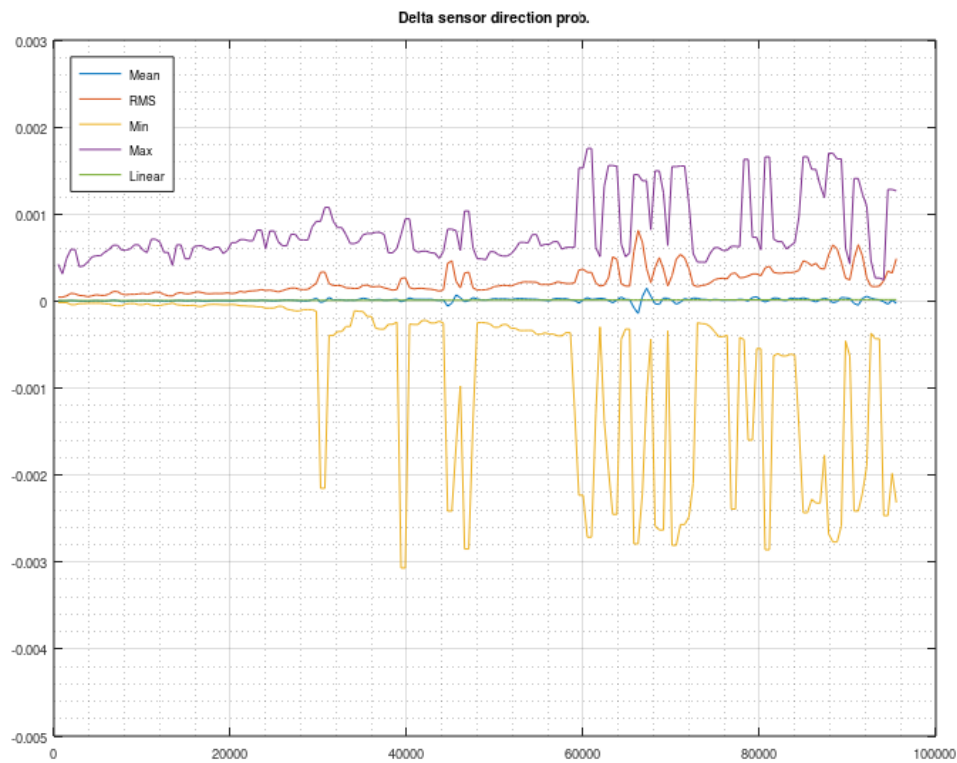
KPI	
Mean	1.07e-05
Sigma	0.000265
RMS	0.000265
Min	-0.00307
Median	-1.8e-05
Max	0.00175
Trend	Linear
From	4.92e-06
To	1.64e-05

-0.00285	-0.00241	-0.00197	-0.00153	-0.0011	-0.000657	-0.000219	0.00022	0.000658	0.0011	0.00154
20	106	222	268	398	696	61876	28052	4054	242	66

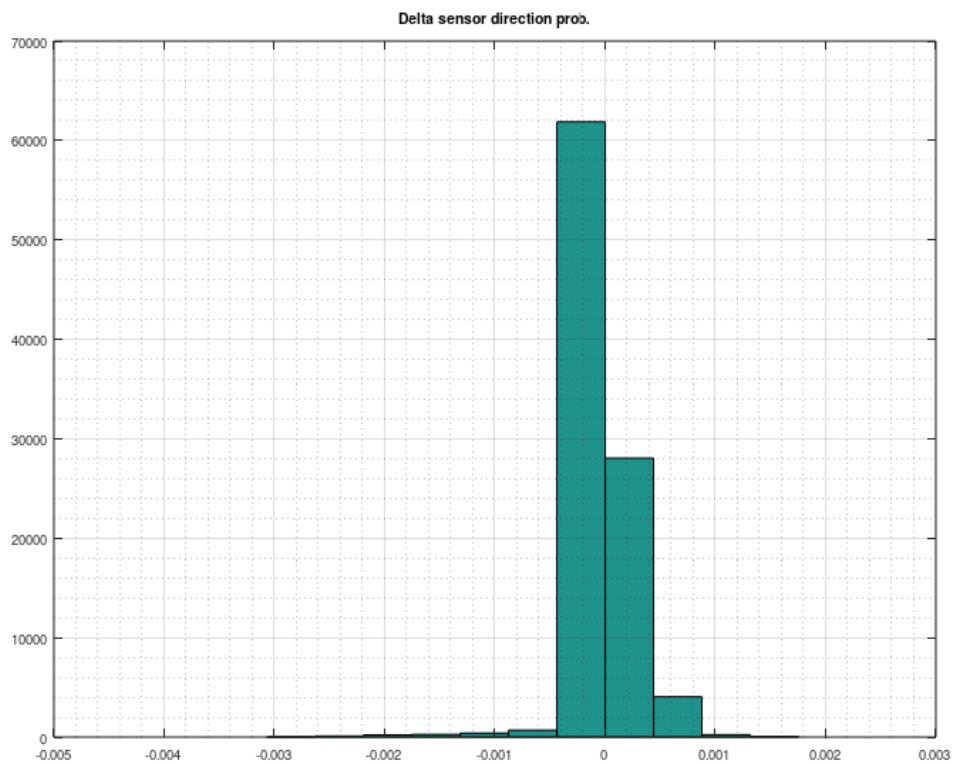
Delta sensor direction prob. notes

[Notes]

Delta sensor direction prob. chart



Delta sensor direction prob. histogram



Advantage residual estimation (critic)

KPI	
Mean	0.0213
Sigma	0.0277
RMS	0.0349
Min	-0.109
Median	0.0131
Max	0.0995
Trend	Linear
From	-0.00805
To	0.0507

-0.0992	-0.0803	-0.0614	-0.0424	-0.0235	-0.00457	0.0144	0.0333	0.0522	0.0711	0.0901
314	292	202	722	1952	17148	45052	11752	7134	6142	5290

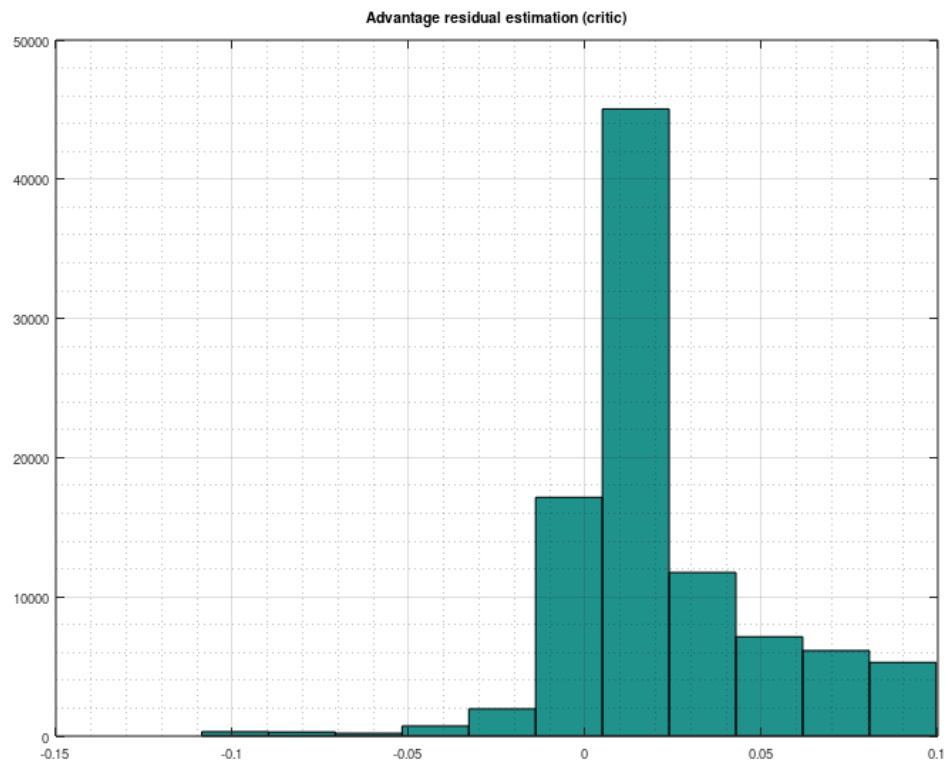
Advantage residual estimation (critic) notes

[Notes]

Advantage residual estimation (critic) chart



Advantage residual estimation (critic) histogram



Delta Advantage residual estimation (critic)

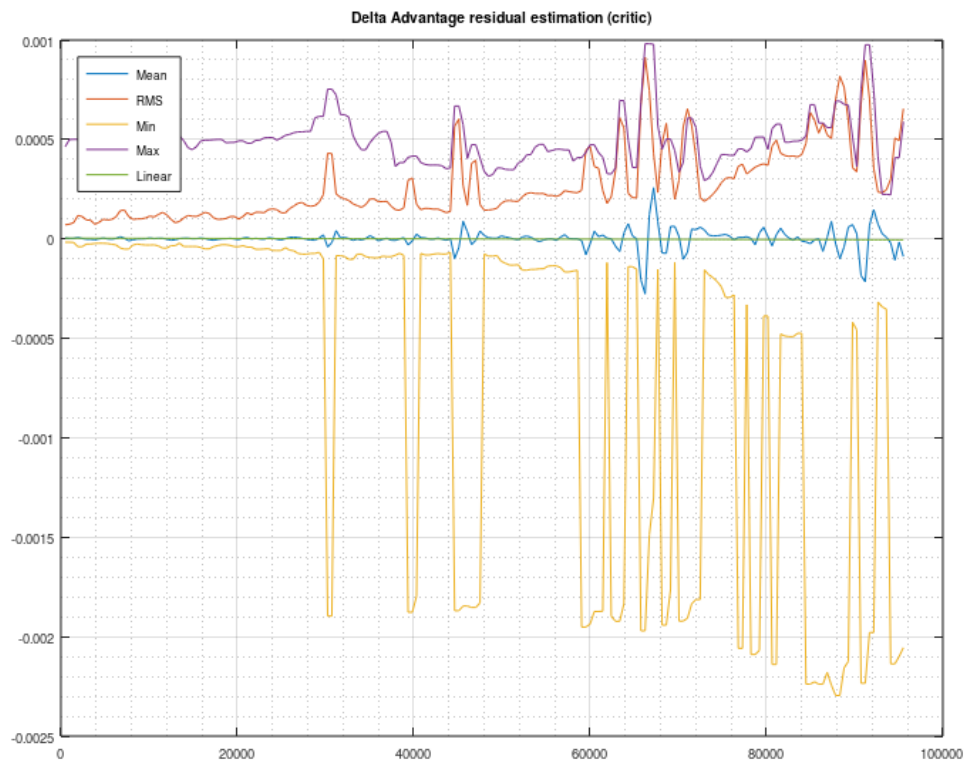
KPI	
Mean	-5.26e-07
Sigma	0.000328
RMS	0.000328
Min	-0.0023
Median	-3.32e-05
Max	0.000981
Trend	Linear
From	3.72e-06
To	-4.77e-06

-0.00215	-0.00185	-0.00155	-0.00125	-0.000955	-0.000657	-0.000359	-6.15e-05	0.000236	0.000534	0.000832
332	782	334	132	0	0	8524	61734	12562	11248	352

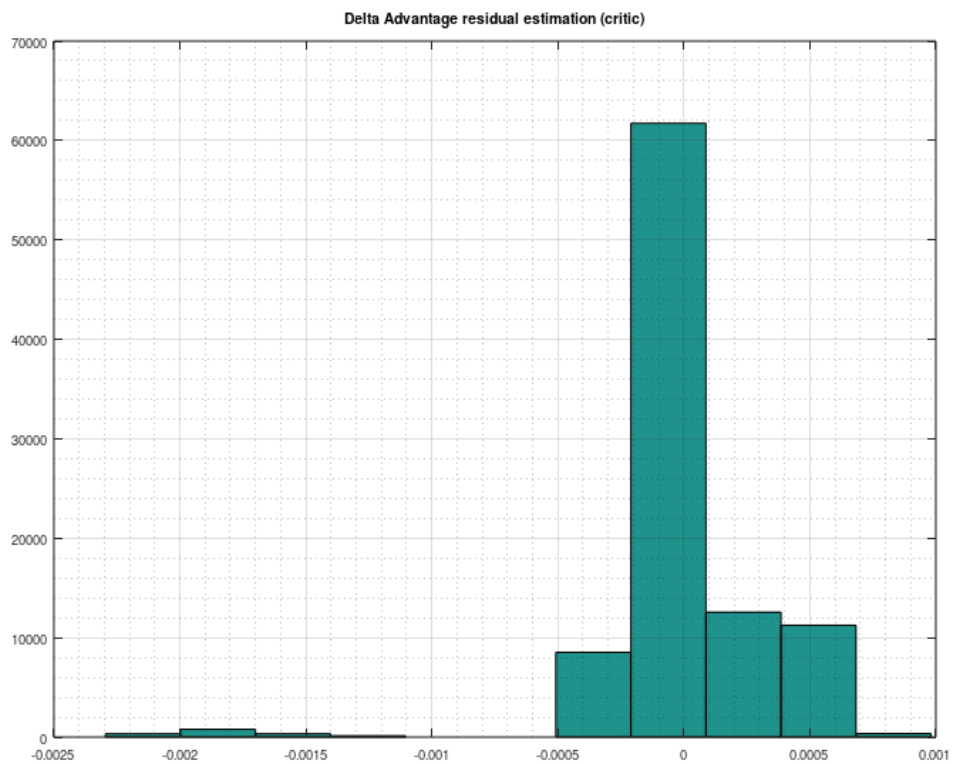
Delta Advantage residual estimation (critic) notes

[Notes]

Delta Advantage residual estimation (critic) chart



Delta Advantage residual estimation (critic) histogram



Avg Rewards

KPI	
Mean	0.0589
Sigma	0.0766
RMS	0.0966
Min	-0.302
Median	0.0362
Max	0.275
Trend	Linear
From	-0.0223
To	0.14

-0.276	-0.223	-0.171	-0.118	-0.0658	-0.0133	0.0392	0.0917	0.144	0.197	0.249
314	290	200	716	1928	16158	45912	11910	7138	6142	5292

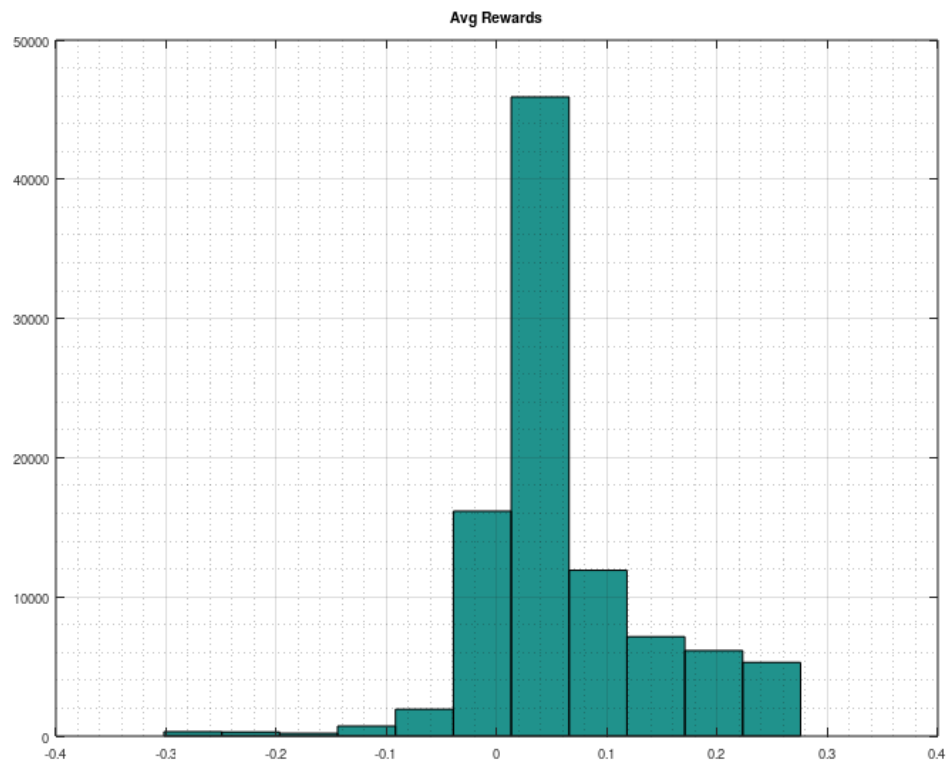
Avg Rewards notes

[Notes]

Avg Rewards chart



Avg Rewards histogram



## Halt gradient

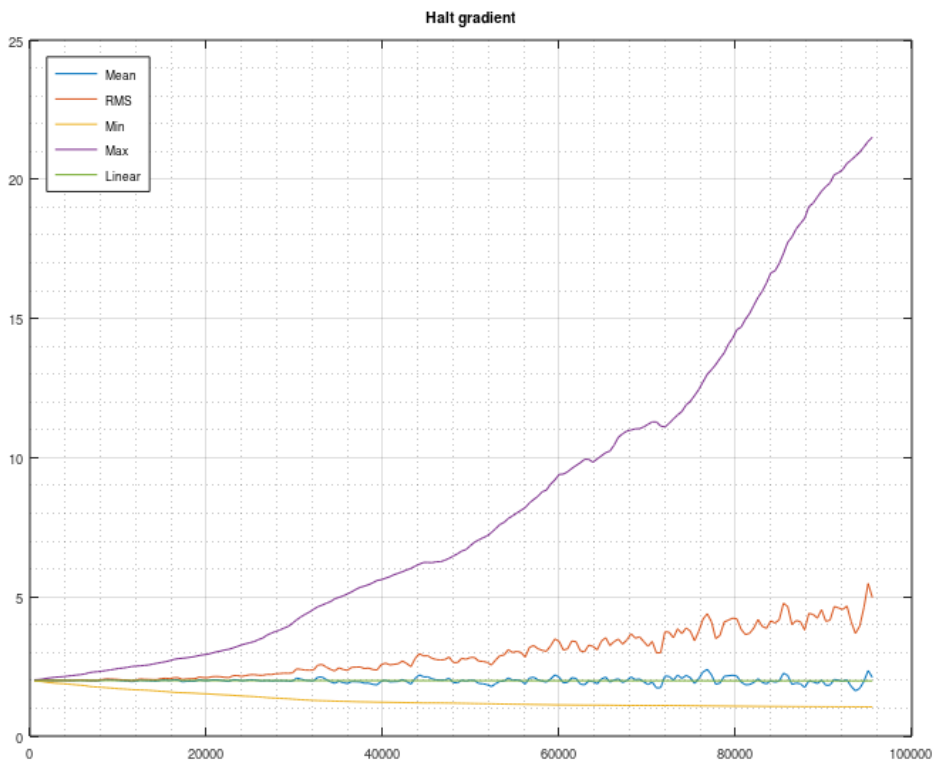
KPI	
Mean	1.99
Sigma	2.32
RMS	3.06
Min	1.05
Median	1.2
Max	21.5
Trend	Linear
From	2
To	1.98

1.98	3.84	5.7	7.56	9.42	11.3	13.1	15	16.9	18.7	20.6
85358	4022	2588	1046	952	824	340	242	188	188	252

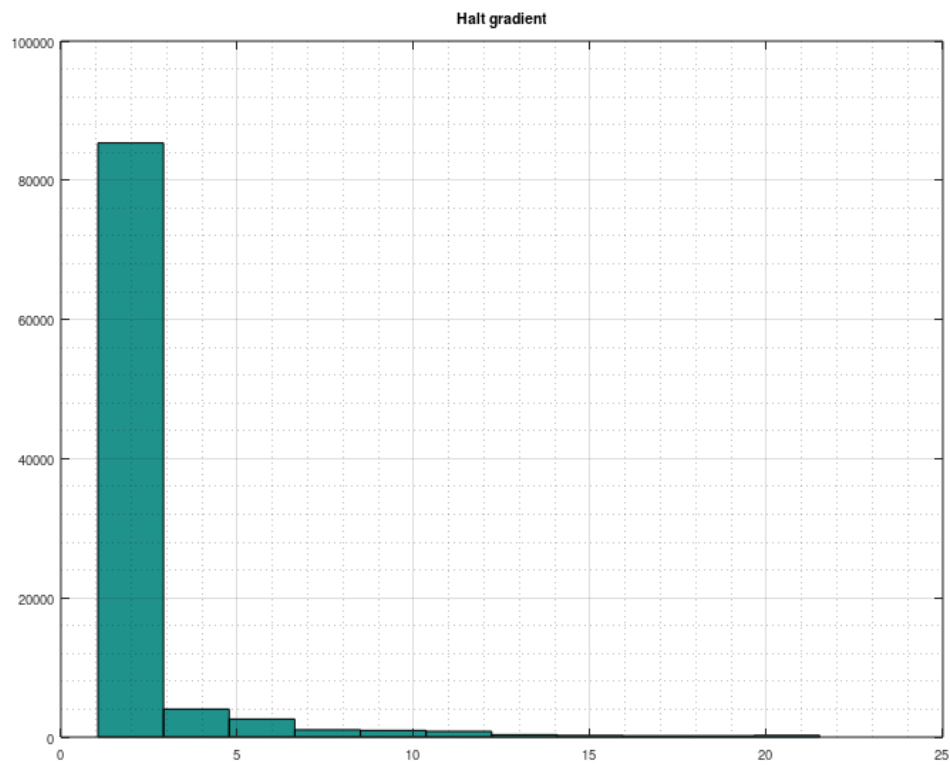
## Halt gradient notes

[Notes]

## Halt gradient chart



**Halt gradient histogram**



**Direction gradient**



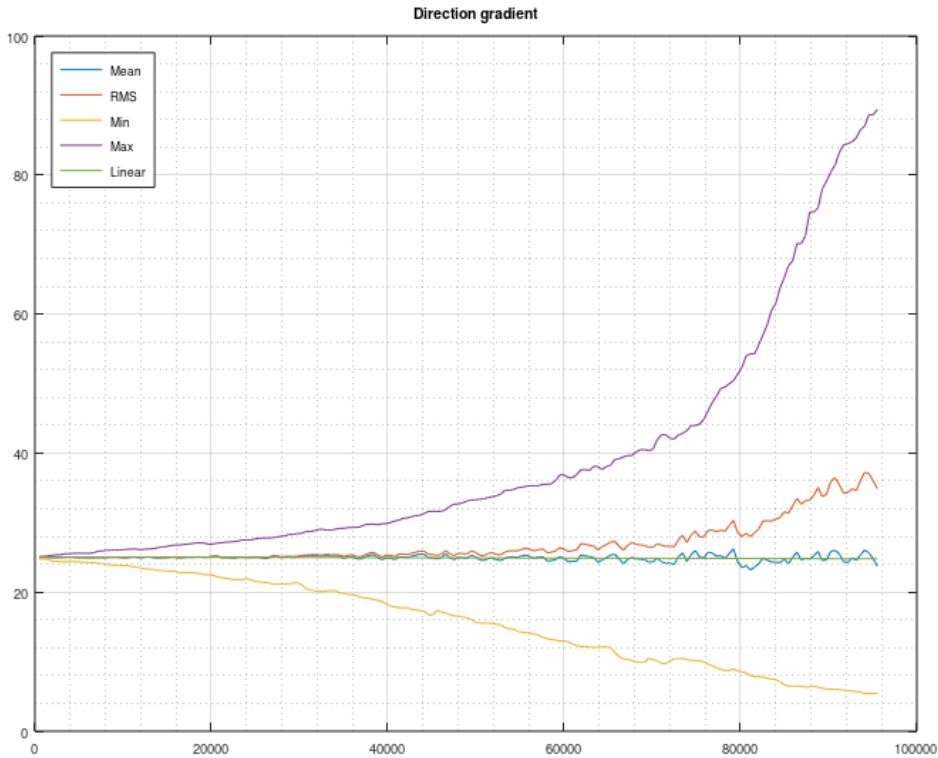
KPI	
Mean	24.9
Sigma	10.8
RMS	27.2
Min	5.41
Median	25.1
Max	89.4
Trend	Linear
From	25.1
To	24.8

9.23	16.9	24.5	32.1	39.8	47.4	55.1	62.7	70.3	78	85.6
10904	19526	39862	16784	4410	1532	1090	820	632	322	118

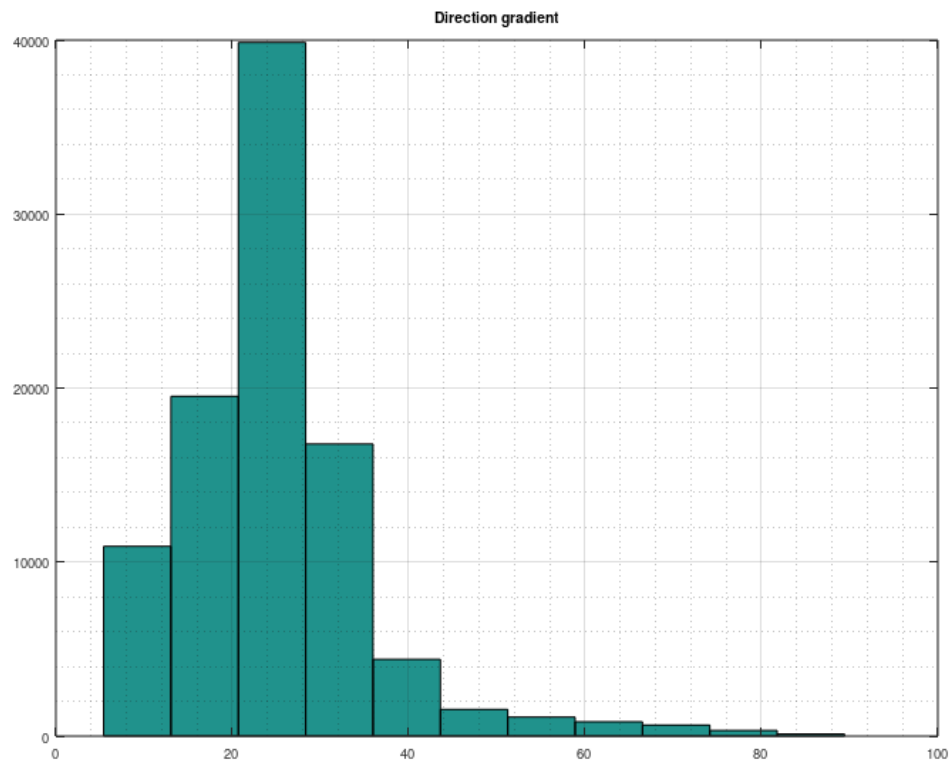
Direction gradient notes

[Notes]

Direction gradient chart



Direction gradient histogram



Speed gradient

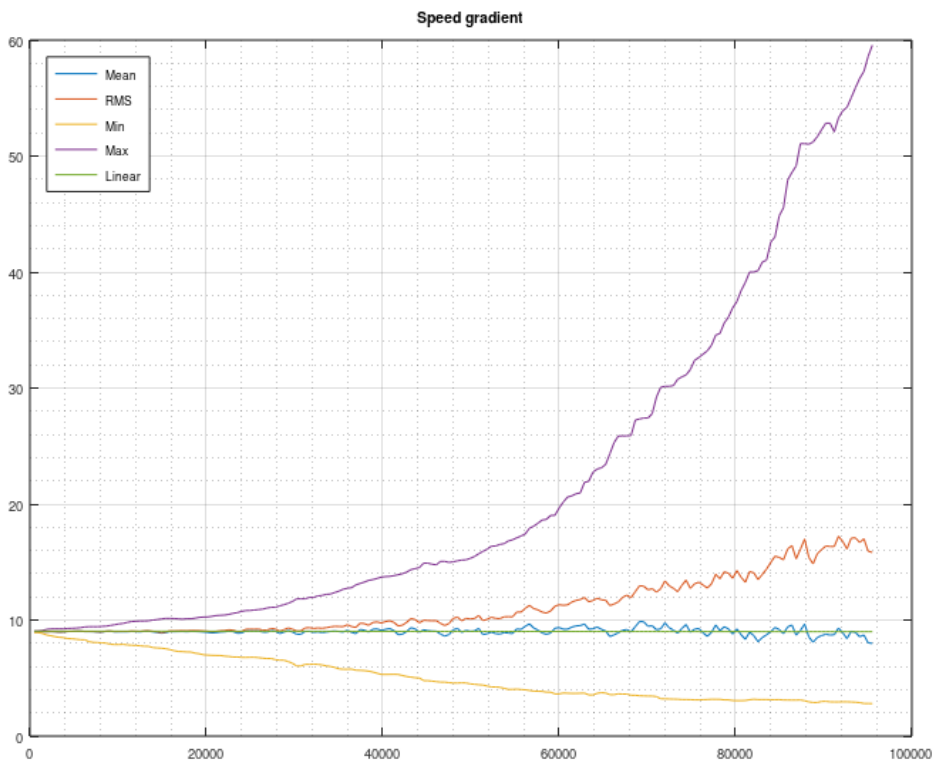
KPI	
Mean	9.02
Sigma	6.99
RMS	11.4
Min	2.8
Median	7.3
Max	59.6
Trend	Linear
From	9.04
To	9

5.38	10.5	15.7	20.9	26	31.2	36.3	41.5	46.7	51.8	57
51200	30042	7312	3214	1538	894	586	670	318	182	44

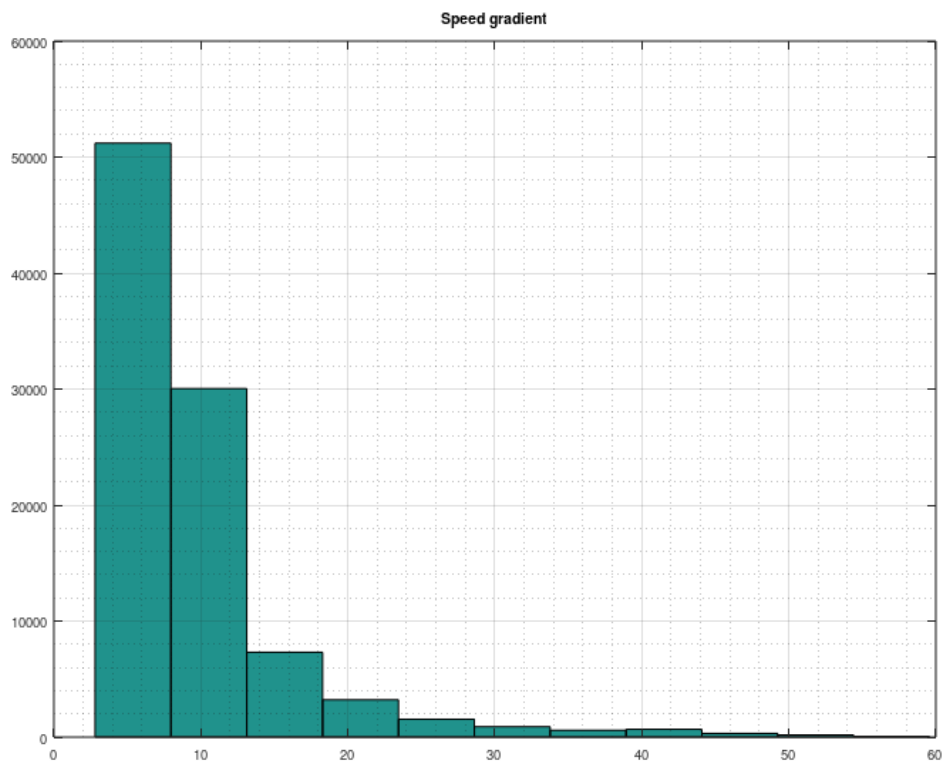
Speed gradient notes

[Notes]

Speed gradient chart



**Speed gradient histogram**



**Sensor direction gradient**

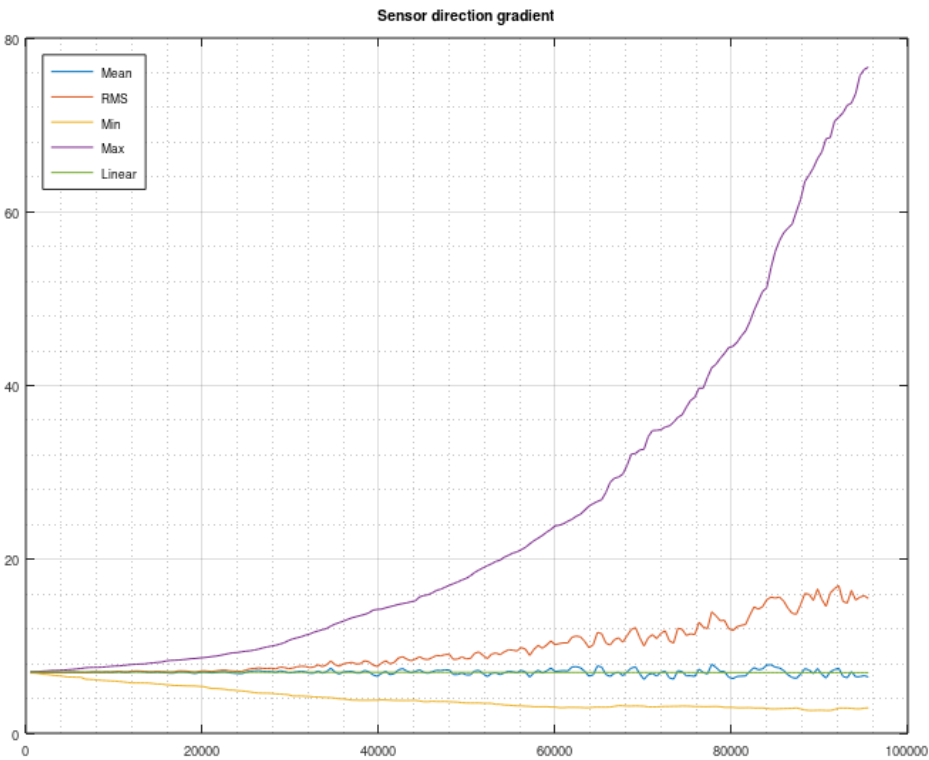
KPI	
Mean	7
Sigma	7.41
RMS	10.2
Min	2.61
Median	4.29
Max	76.6
Trend	Linear
From	7.03
To	6.97

5.98	12.7	19.4	26.2	32.9	39.6	46.4	53.1	59.8	66.6	73.3
82136	7366	2604	1558	894	442	270	266	316	92	56

Sensor direction gradient notes

[Notes]

Sensor direction gradient chart



Sensor direction gradient histogram

