

Report

24 November 2022, 22:44

Data folder C:\Users\marco\Desktop\wheellyj\data\agent\

- [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

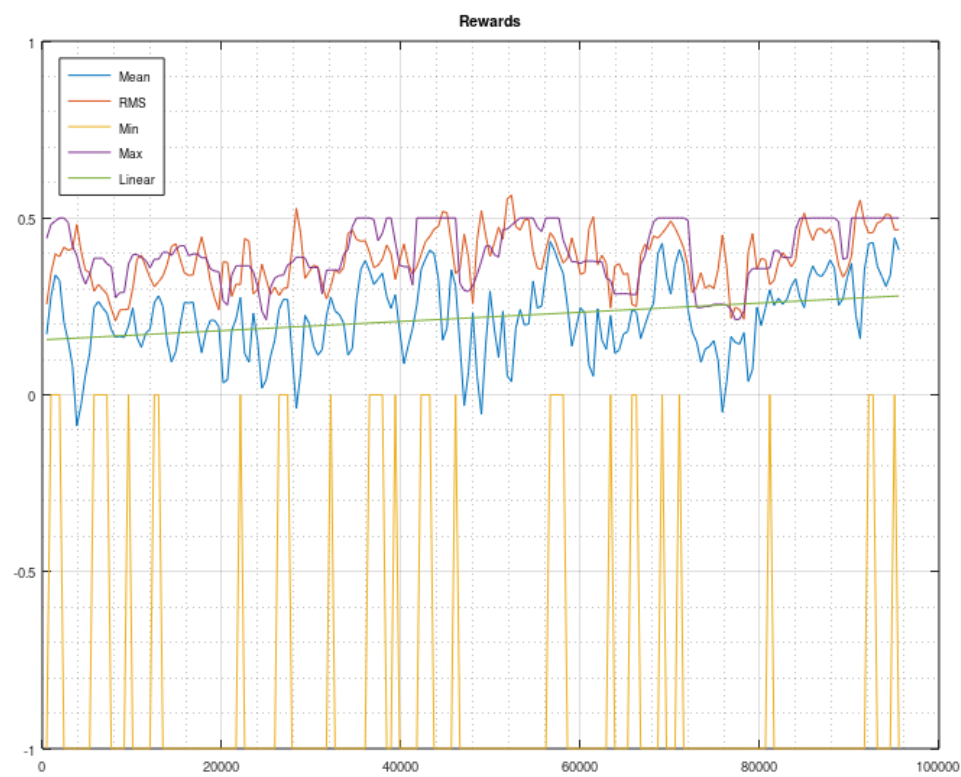
KPI	
Mean	0.218
Sigma	0.326
RMS	0.392
Min	-1
Median	0.319
Max	0.5
Trend	Linear
From	0.155
To	0.28

-0.932	-0.795	-0.659	-0.523	-0.386	-0.25	-0.114	0.0227	0.159	0.295	0.432
4762	0	0	0	0	0	0	21236	4036	30608	35358

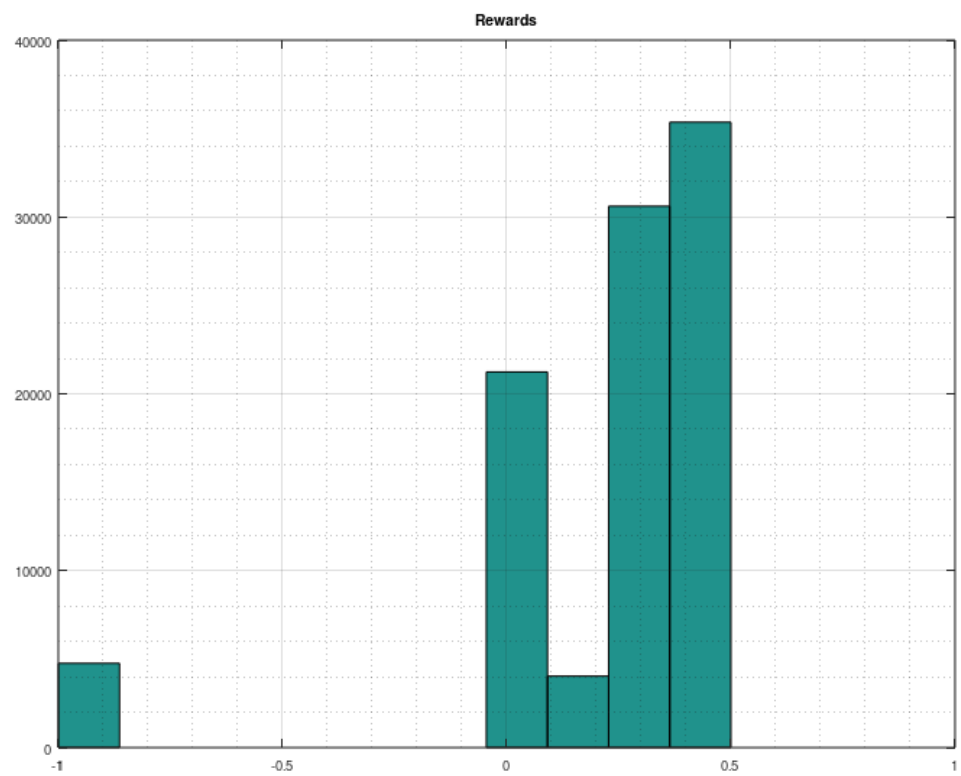
Rewards notes

[Notes]

Rewards chart



Rewards histogram



Delta

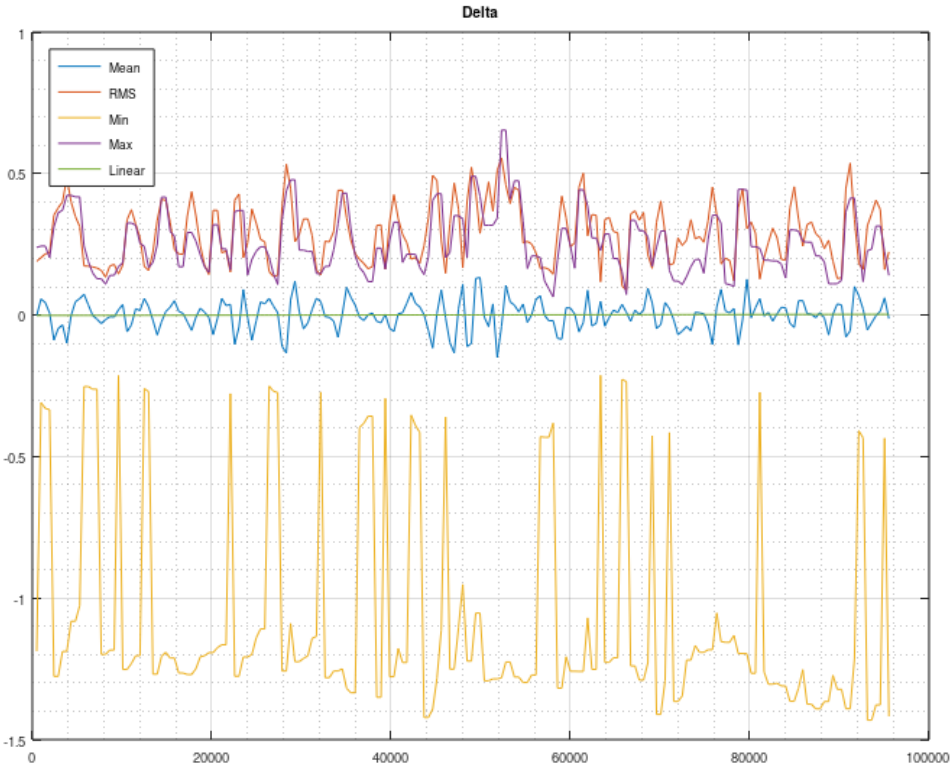
KPI	
Mean	0.000603
Sigma	0.308
RMS	0.308
Min	-1.43
Median	0.0936
Max	0.653
Trend	Linear
From	-0.00141
To	0.00261

-1.34	-1.15	-0.958	-0.768	-0.579	-0.389	-0.2	-0.00997	0.18	0.369	0.559
768	2754	1180	60	0	3790	14132	21268	46476	5406	166

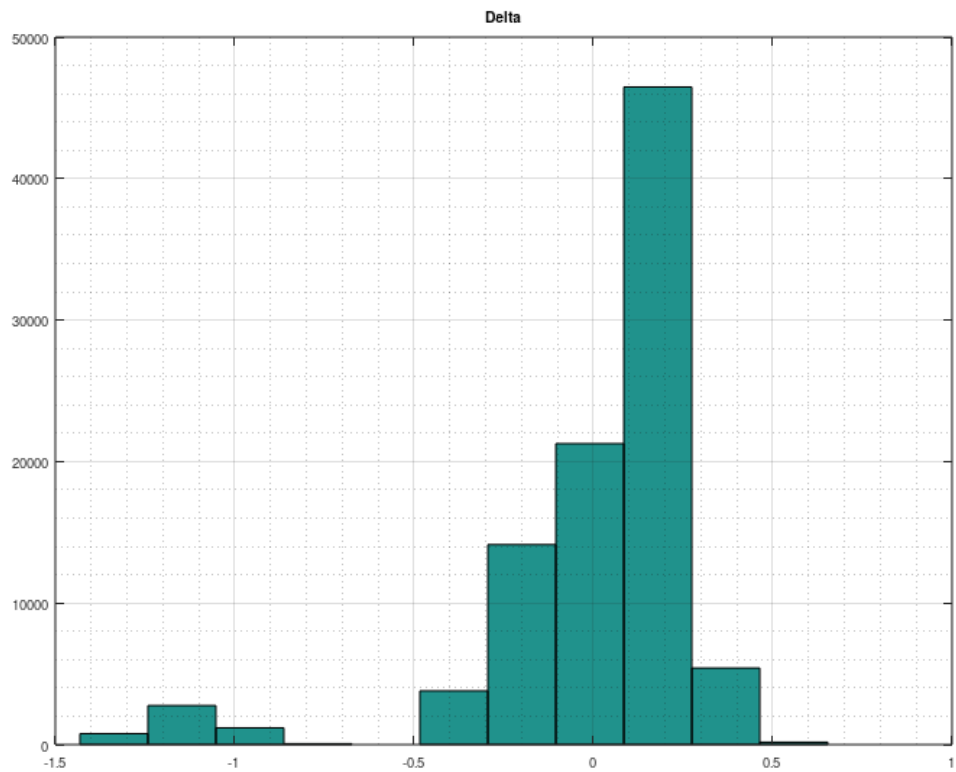
Delta notes

[Notes]

Delta chart



Delta histogram



Discount 0.999 rewards

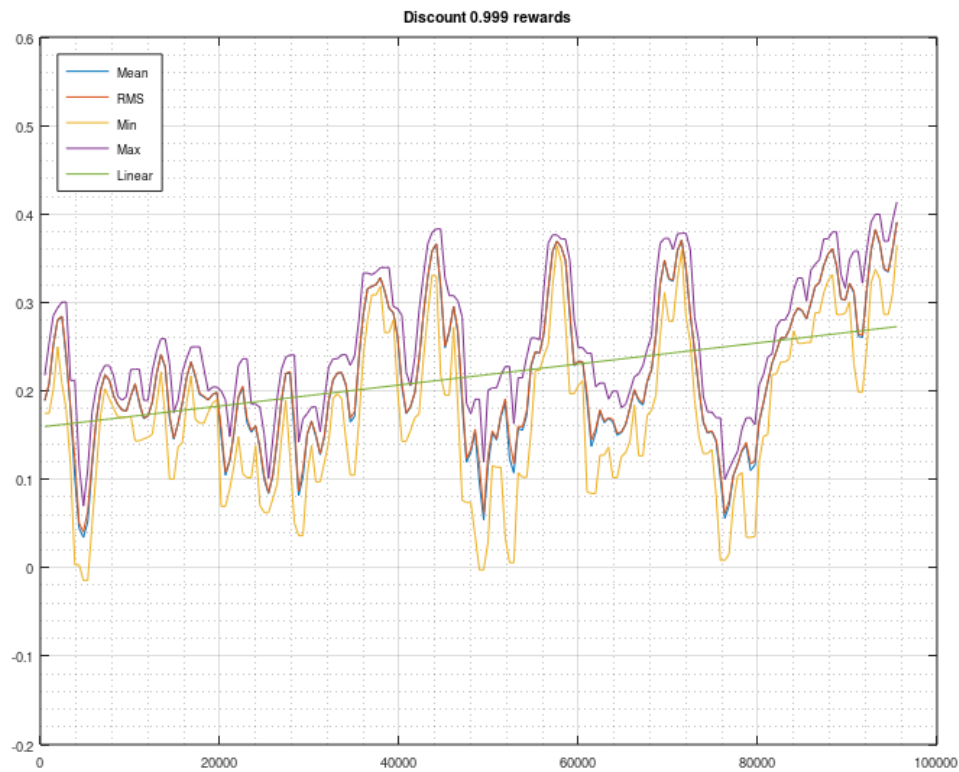
KPI	
Mean	0.216
Sigma	0.0856
RMS	0.232
Min	-0.0144
Median	0.205
Max	0.414
Trend	Linear
From	0.159
To	0.273

0.005	0.0439	0.0828	0.122	0.161	0.2	0.238	0.277	0.316	0.355	0.394
812	2519	4728	9424	16772	19369	13136	9742	8845	8388	2265

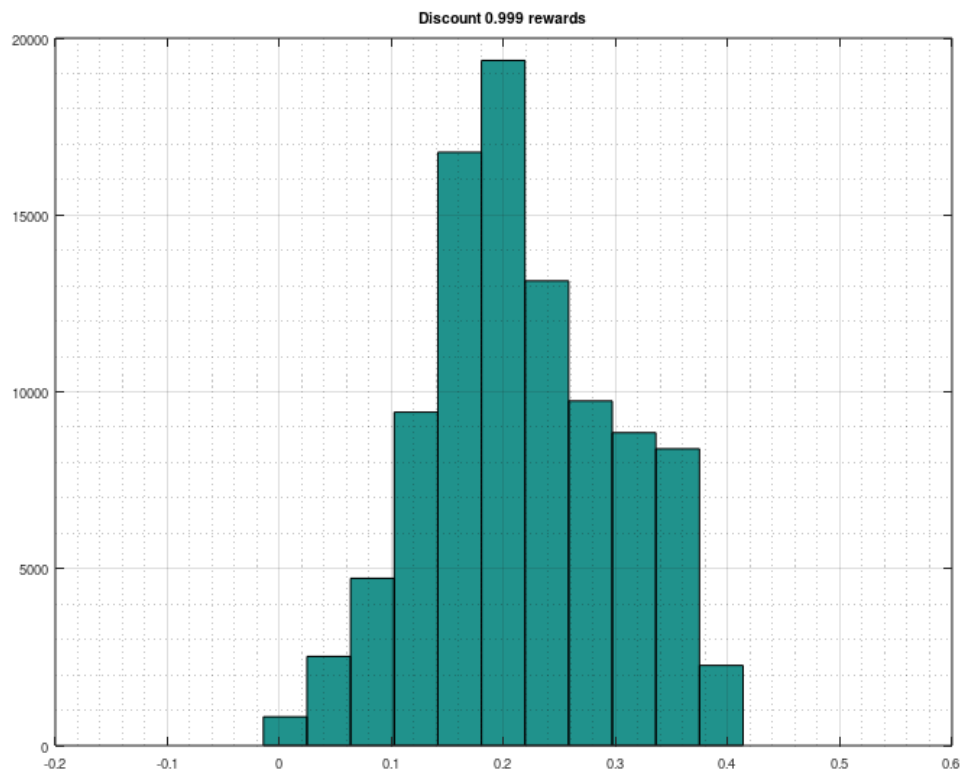
Discount 0.999 rewards notes

[Notes]

Discount 0.999 rewards chart



Discount 0.999 rewards histogram



Halt max prob.

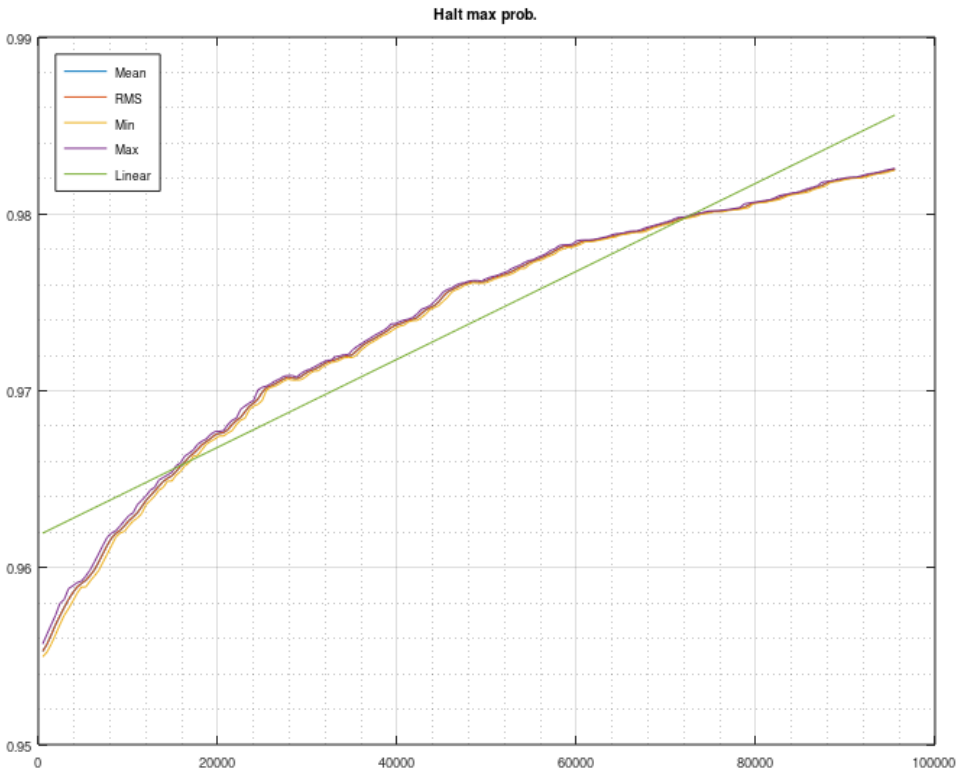
KPI	
Mean	0.974
Sigma	0.00719
RMS	0.974
Min	0.955
Median	0.976
Max	0.983
Trend	Linear
From	0.962
To	0.986

0.956	0.959	0.961	0.964	0.966	0.969	0.971	0.974	0.976	0.979	0.981
2628	3820	3342	4554	5410	5204	11160	8522	11564	18420	21376

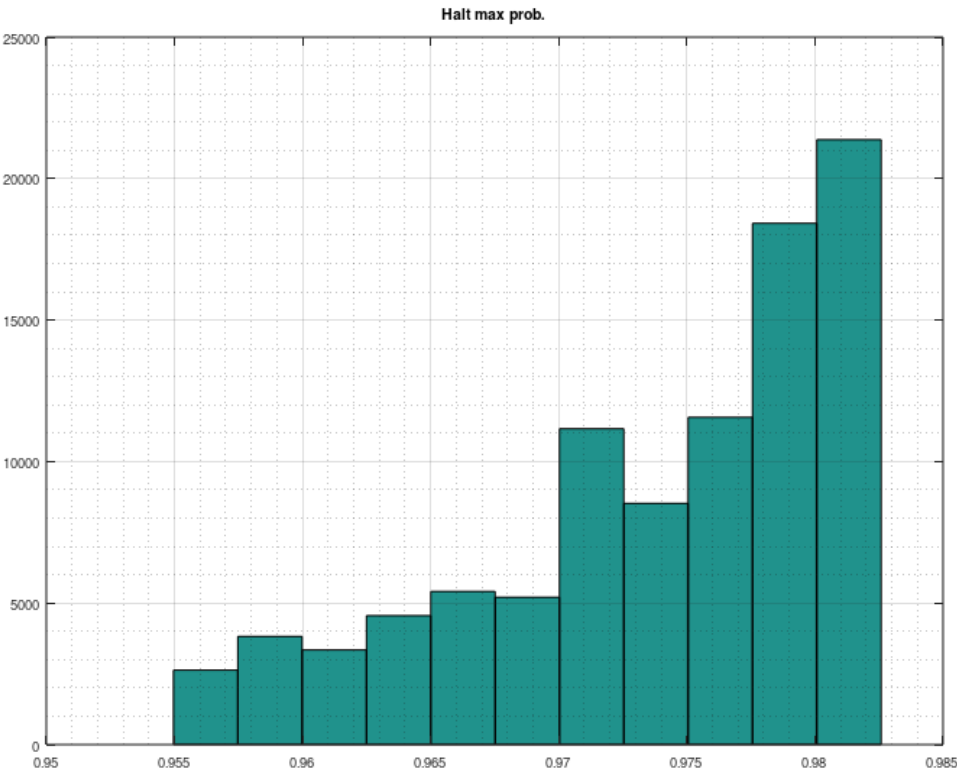
Halt max prob. notes

[Notes]

Halt max prob. chart



Halt max prob. histogram



Direction max prob.

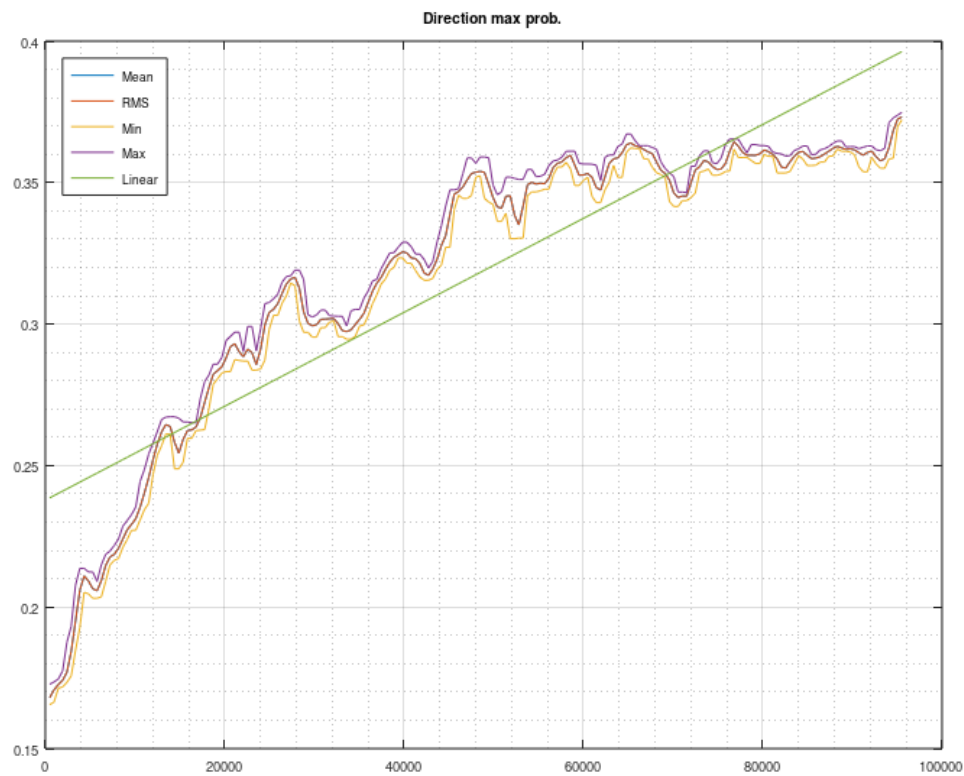
KPI	
Mean	0.317
Sigma	0.0516
RMS	0.322
Min	0.166
Median	0.344
Max	0.375
Trend	Linear
From	0.238
To	0.397

0.175	0.194	0.213	0.232	0.251	0.27	0.289	0.308	0.327	0.346	0.365
2866	812	4810	2636	2692	4472	8278	11606	7854	20928	29046

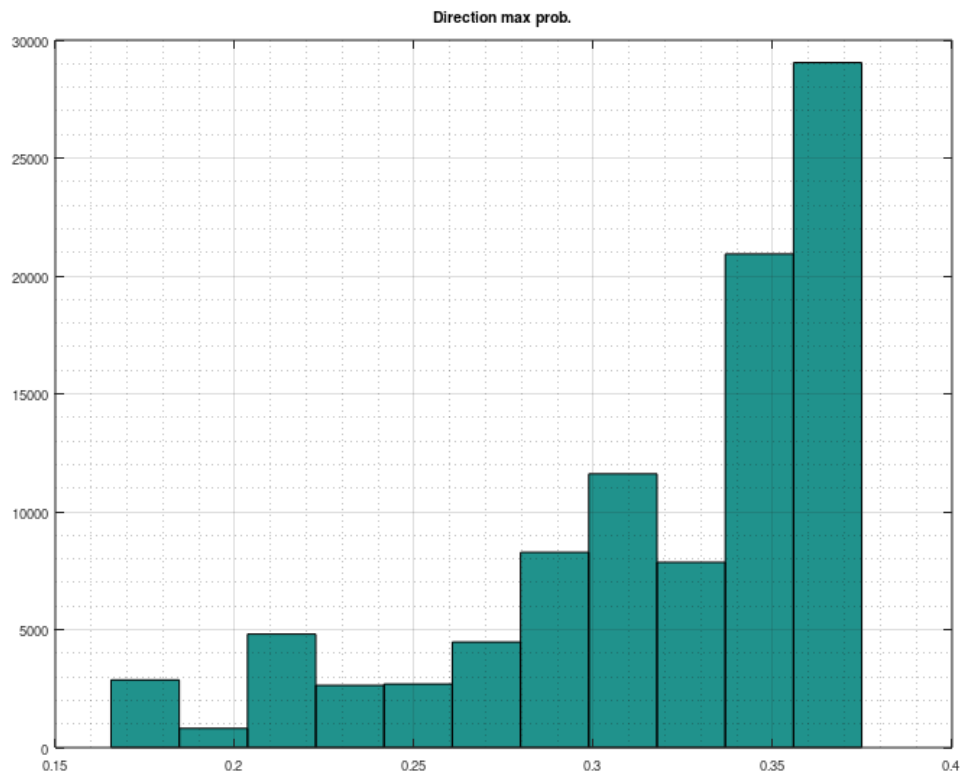
Direction max prob. notes

[Notes]

Direction max prob. chart



Direction max prob. histogram



Speed max prob.

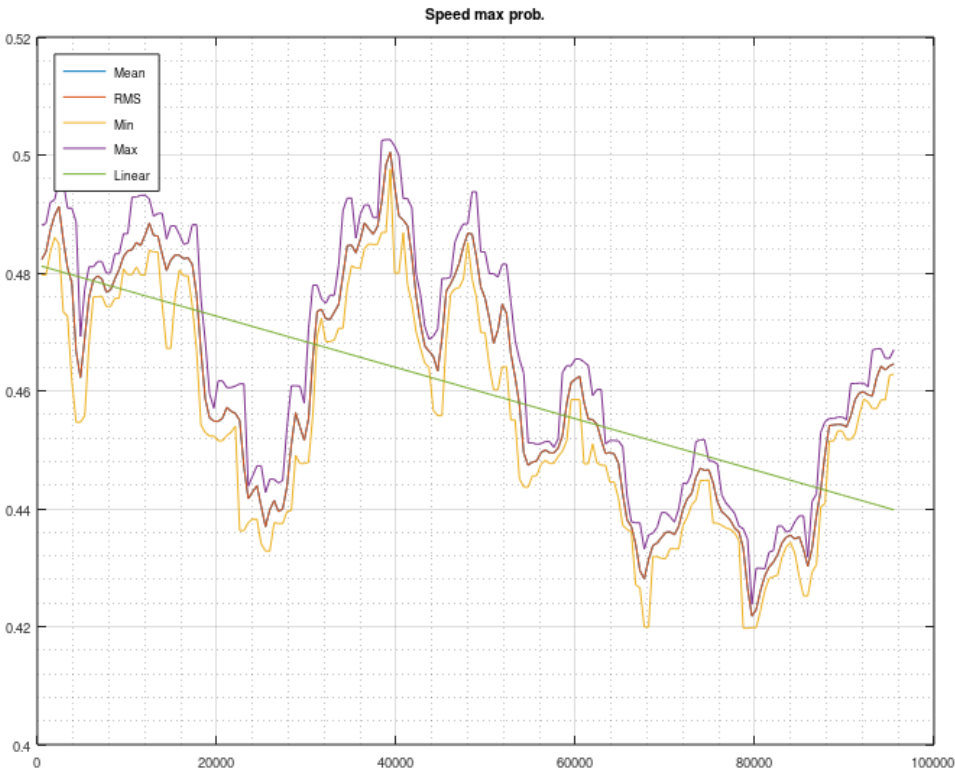
KPI	
Mean	0.46
Sigma	0.0196
RMS	0.461
Min	0.42
Median	0.459
Max	0.503
Trend	Linear
From	0.481
To	0.44

0.423	0.431	0.439	0.446	0.454	0.461	0.469	0.476	0.484	0.491	0.499
1876	7054	14062	9746	12584	10896	6096	11662	14790	5820	1414

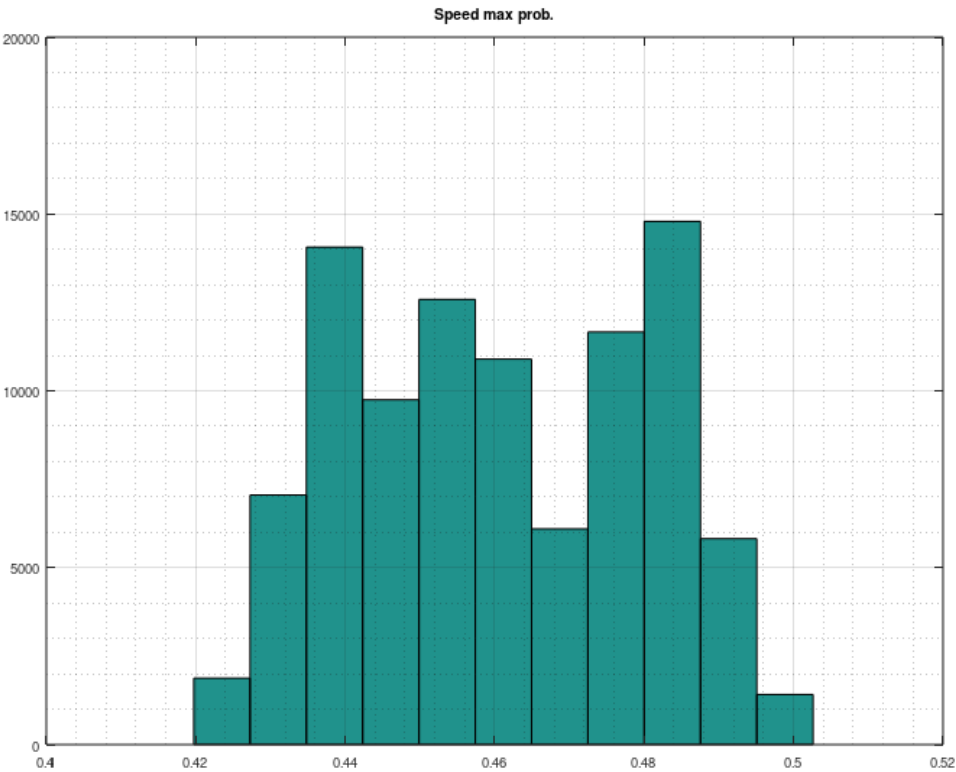
Speed max prob. notes

[Notes]

Speed max prob. chart



Speed max prob. histogram



Sensor direction max prob.

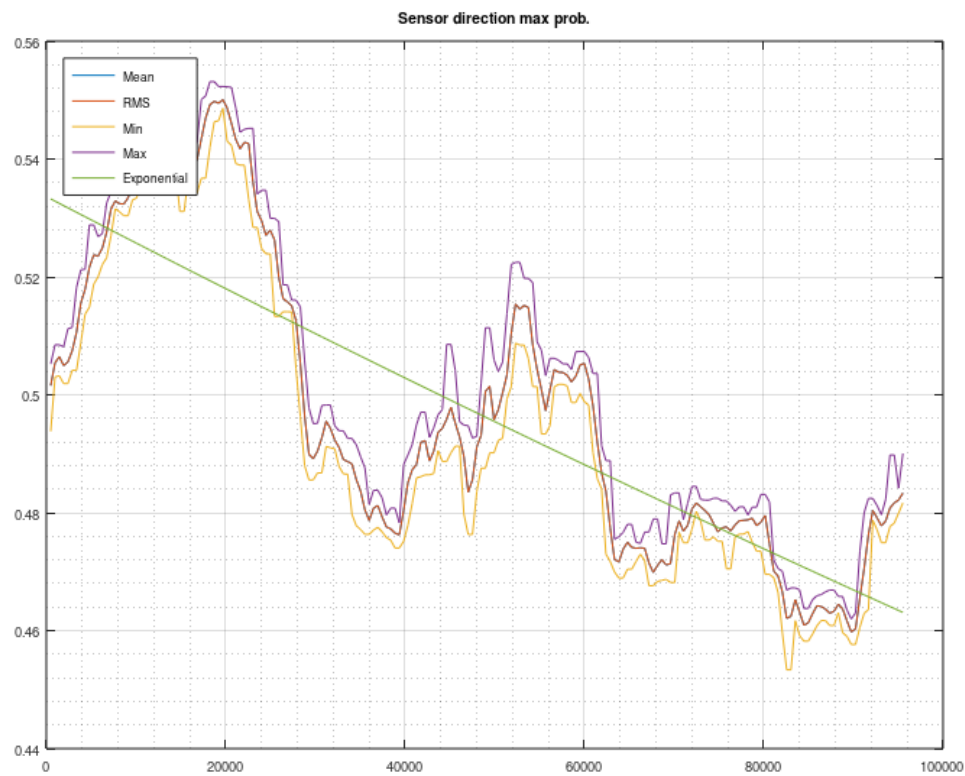
KPI	
Mean	0.498
Sigma	0.0257
RMS	0.498
Min	0.453
Median	0.492
Max	0.553
Trend	Exponential
From	0.534
To	0.463

0.458	0.467	0.476	0.485	0.494	0.503	0.512	0.521	0.53	0.54	0.549
3988	9158	19944	12240	11494	11254	5124	3586	5864	8484	4864

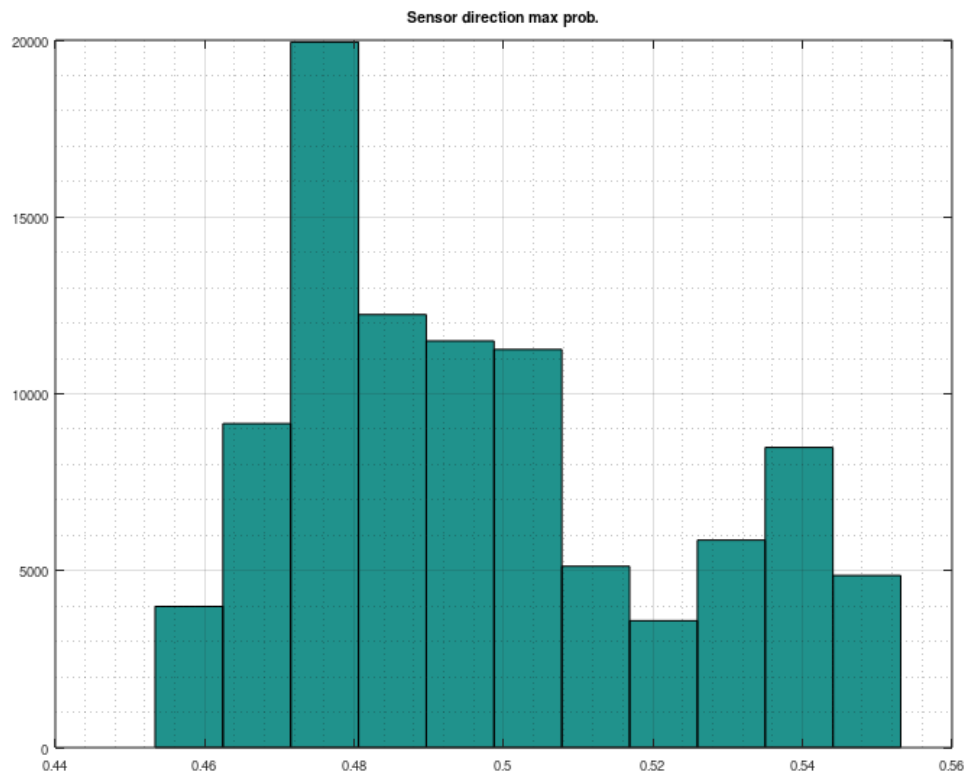
Sensor direction max prob. notes

[Notes]

Sensor direction max prob. chart



Sensor direction max prob. histogram



Delta halt prob.

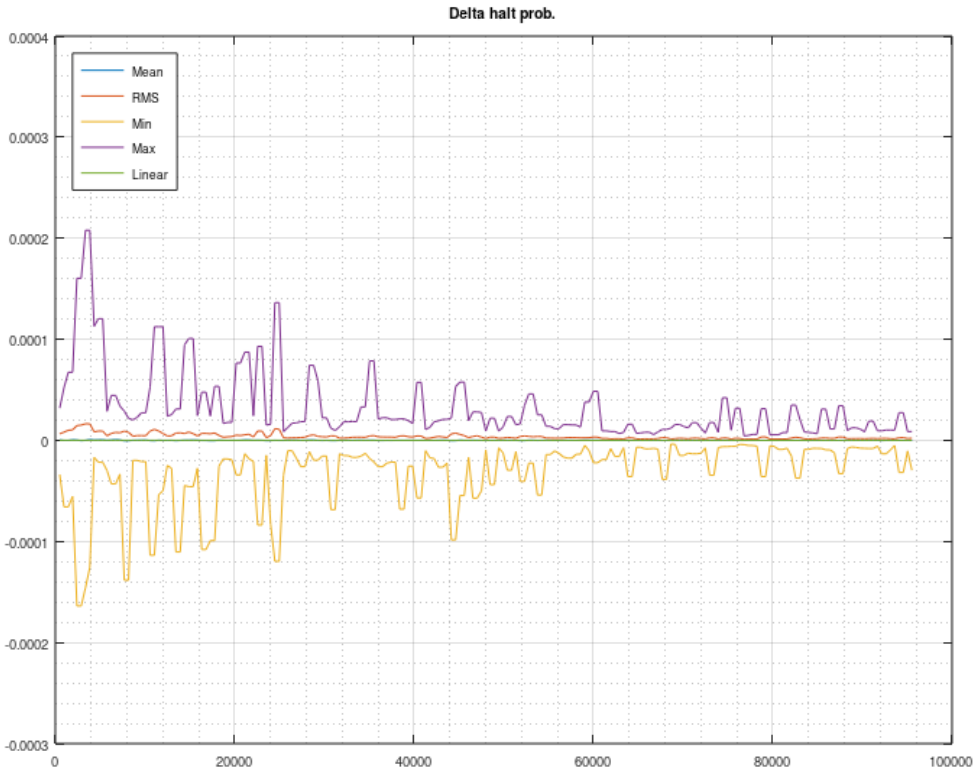
KPI	
Mean	6.88e-09
Sigma	4.8e-06
RMS	4.8e-06
Min	-0.000164
Median	0
Max	0.000208
Trend	Linear
From	5.35e-08
To	-3.98e-08

-0.000147	-0.000113	-7.94e-05	-4.56e-05	-1.18e-05	2.2e-05	5.58e-05	8.96e-05	0.000123	0.000157	0.000191
6	16	22	126	93460	2254	80	18	14	2	2

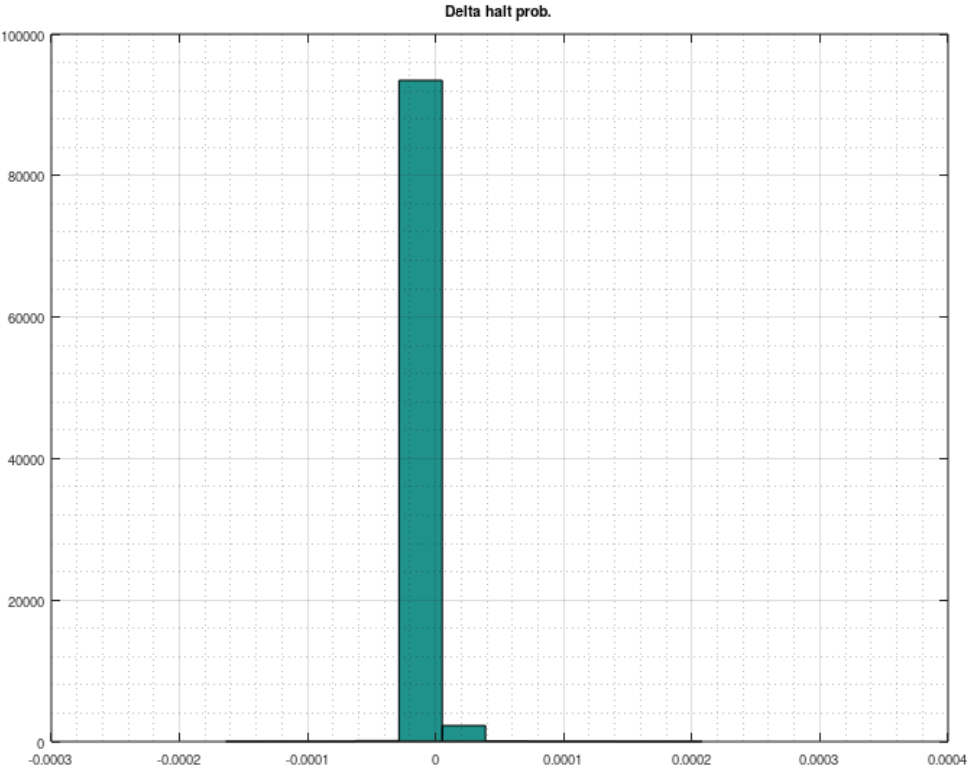
Delta halt prob. notes

[Notes]

Delta halt prob. chart



Delta halt prob. histogram



Delta direction prob.

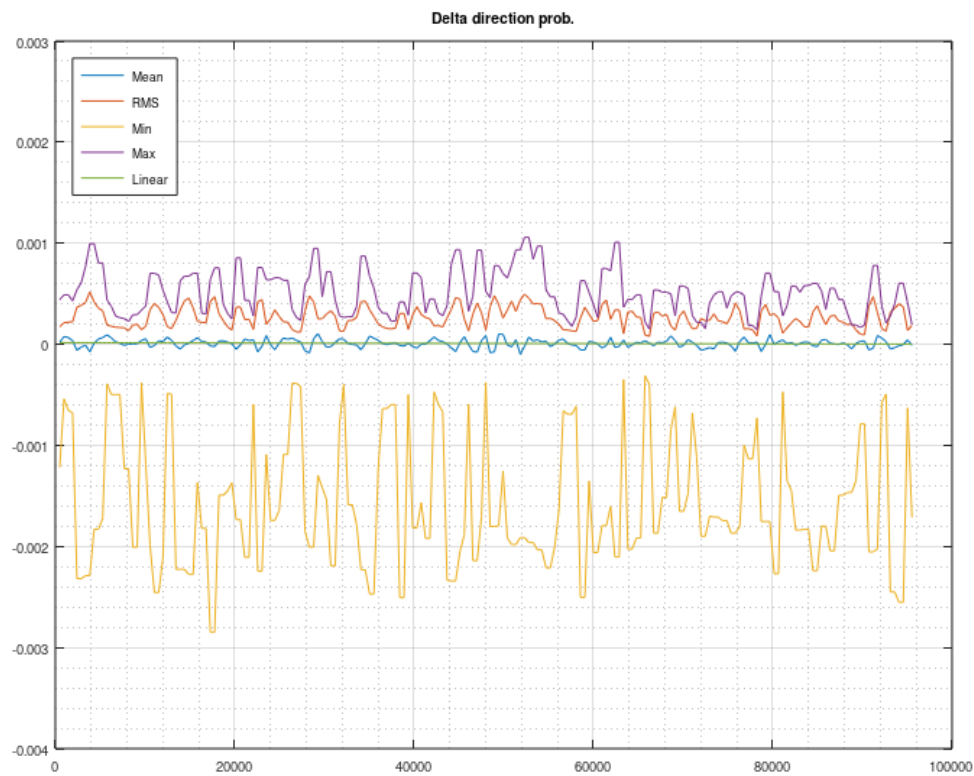
KPI	
Mean	9.13e-06
Sigma	0.000287
RMS	0.000287
Min	-0.00285
Median	7.06e-05
Max	0.00106
Trend	Linear
From	1.63e-05
To	1.91e-06

-0.00267	-0.00232	-0.00196	-0.00161	-0.00125	-0.000895	-0.00054	-0.000185	0.00017	0.000526	0.000881
12	42	178	378	1084	1660	2090	23050	64722	2674	110

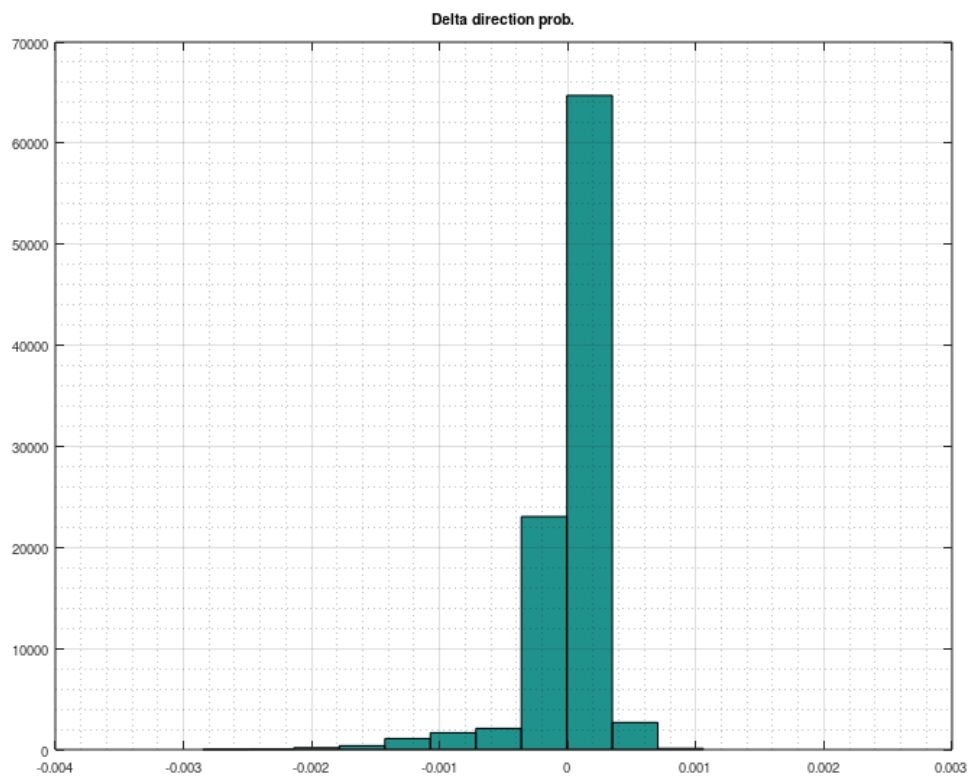
Delta direction prob. notes

[Notes]

Delta direction prob. chart



Delta direction prob. histogram



Delta speed prob.

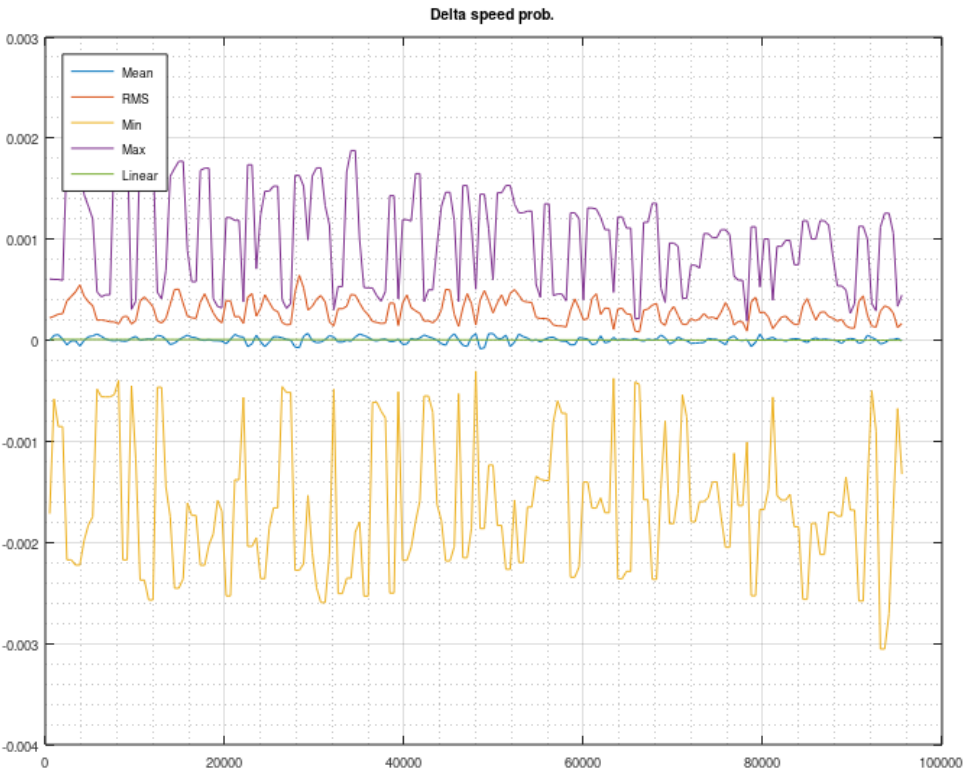
KPI	
Mean	4.36e-06
Sigma	0.000306
RMS	0.000306
Min	-0.00305
Median	5.24e-05
Max	0.00201
Trend	Linear
From	8.73e-06
To	-1.93e-08

-0.00282	-0.00236	-0.0019	-0.00144	-0.000982	-0.000522	-6.1e-05	0.000399	0.00086	0.00132	0.00178
6	104	258	1054	1176	4692	70338	17456	602	272	42

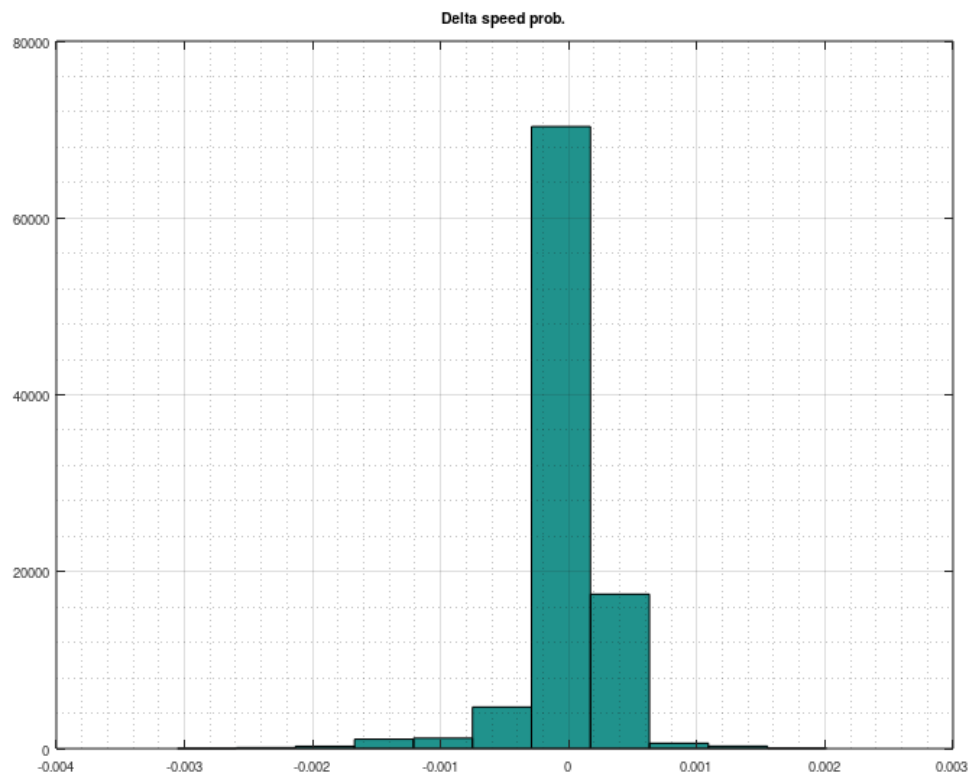
Delta speed prob. notes

[Notes]

Delta speed prob. chart



Delta speed prob. histogram



Delta sensor direction prob.

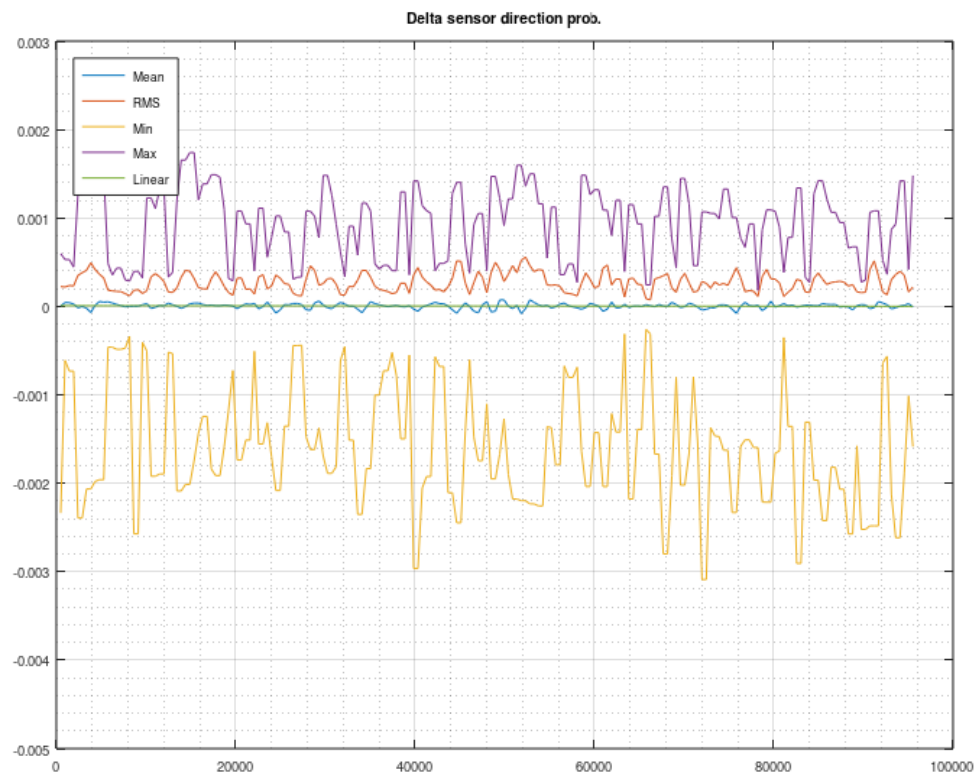
KPI	
Mean	4.3e-06
Sigma	0.00029
RMS	0.00029
Min	-0.00309
Median	5.34e-05
Max	0.00174
Trend	Linear
From	7.97e-06
To	6.25e-07

-0.00287	-0.00243	-0.00199	-0.00155	-0.00111	-0.000674	-0.000236	0.000203	0.000642	0.00108	0.00152
10	44	168	600	1386	1652	31096	59036	1534	402	72

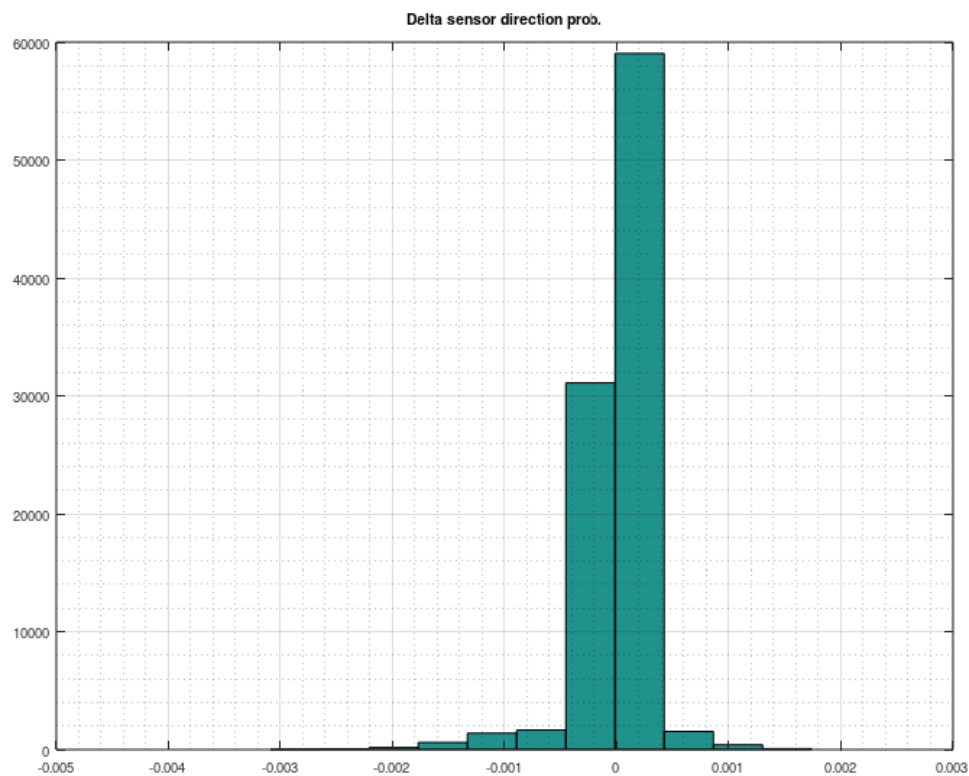
Delta sensor direction prob. notes

[Notes]

Delta sensor direction prob. chart



Delta sensor direction prob. histogram



Advantage residual estimation (critic)

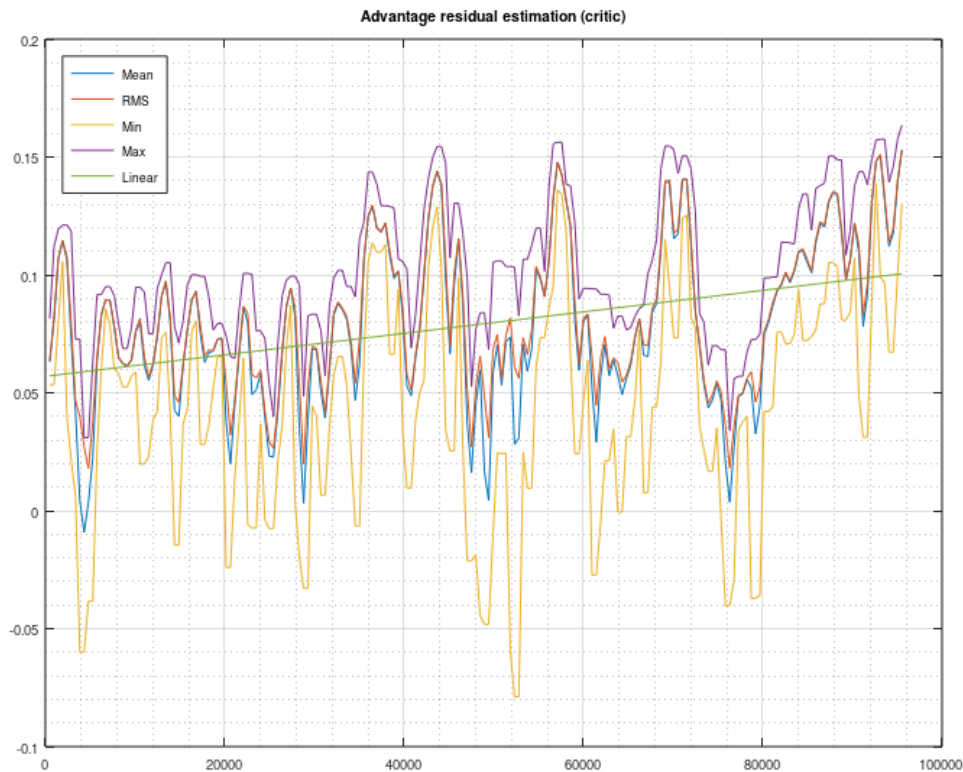
KPI	
Mean	0.0789
Sigma	0.0399
RMS	0.0884
Min	-0.0789
Median	0.0798
Max	0.163
Trend	Linear
From	0.057
To	0.101

-0.0679	-0.0458	-0.0238	-0.00178	0.0203	0.0423	0.0643	0.0864	0.108	0.13	0.152
110	432	1580	3172	5438	11422	21670	22024	14538	9672	5942

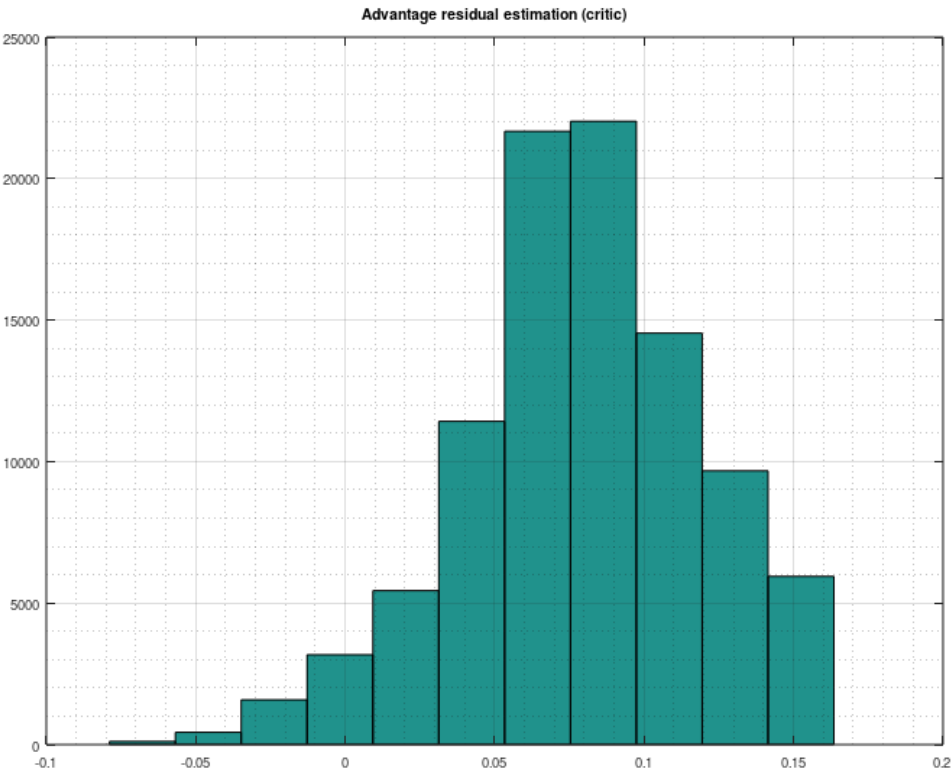
Advantage residual estimation (critic) notes

[Notes]

Advantage residual estimation (critic) chart



Advantage residual estimation (critic) histogram



Delta Advantage residual estimation (critic)

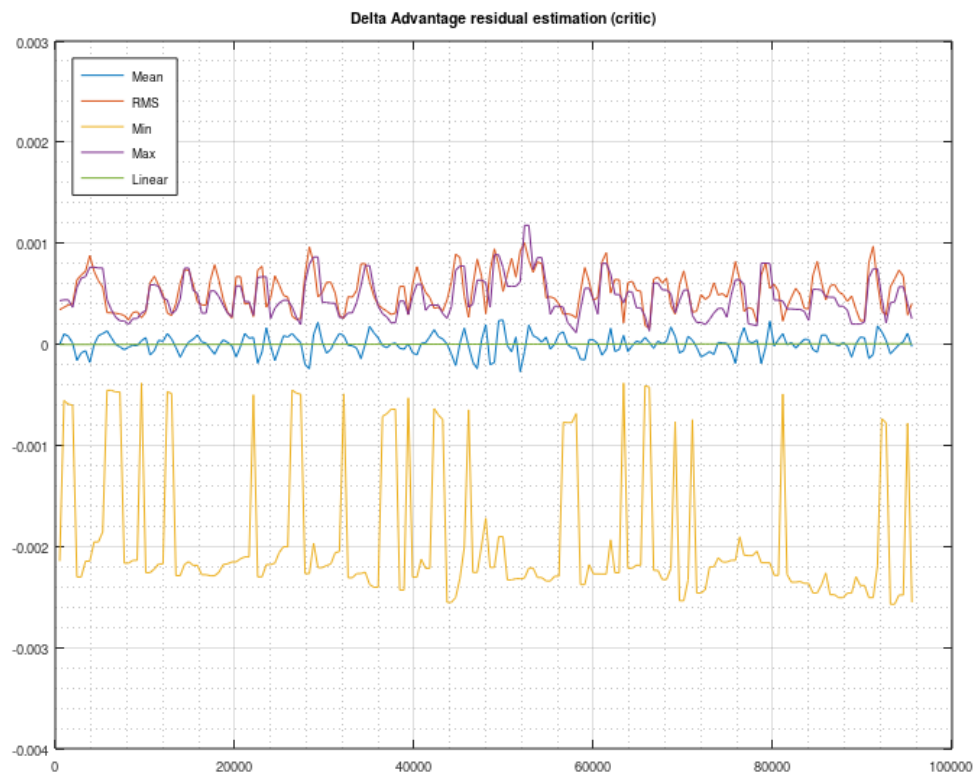
KPI	
Mean	1.1e-06
Sigma	0.000555
RMS	0.000555
Min	-0.00257
Median	0.000169
Max	0.00118
Trend	Linear
From	-2.51e-06
To	4.71e-06

-0.0024	-0.00206	-0.00172	-0.00138	-0.00104	-0.000697	-0.000356	-1.56e-05	0.000325	0.000666	0.00101
846	2746	1114	56	0	3888	14116	21564	46096	5406	168

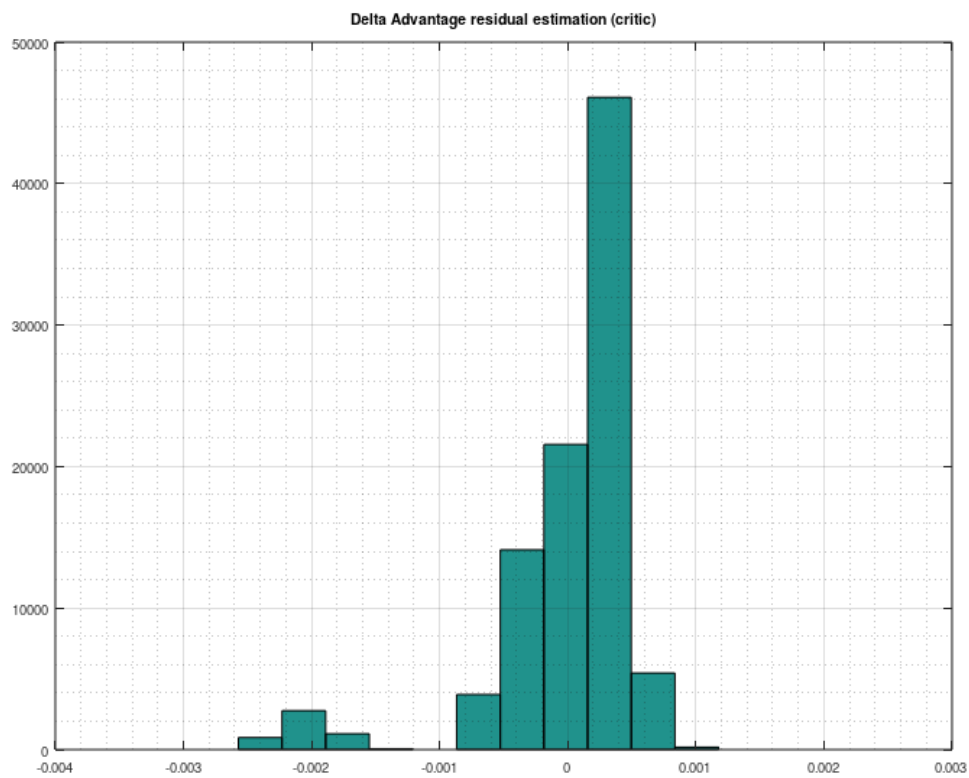
Delta Advantage residual estimation (critic) notes

[Notes]

Delta Advantage residual estimation (critic) chart



Delta Advantage residual estimation (critic) histogram



Avg Rewards

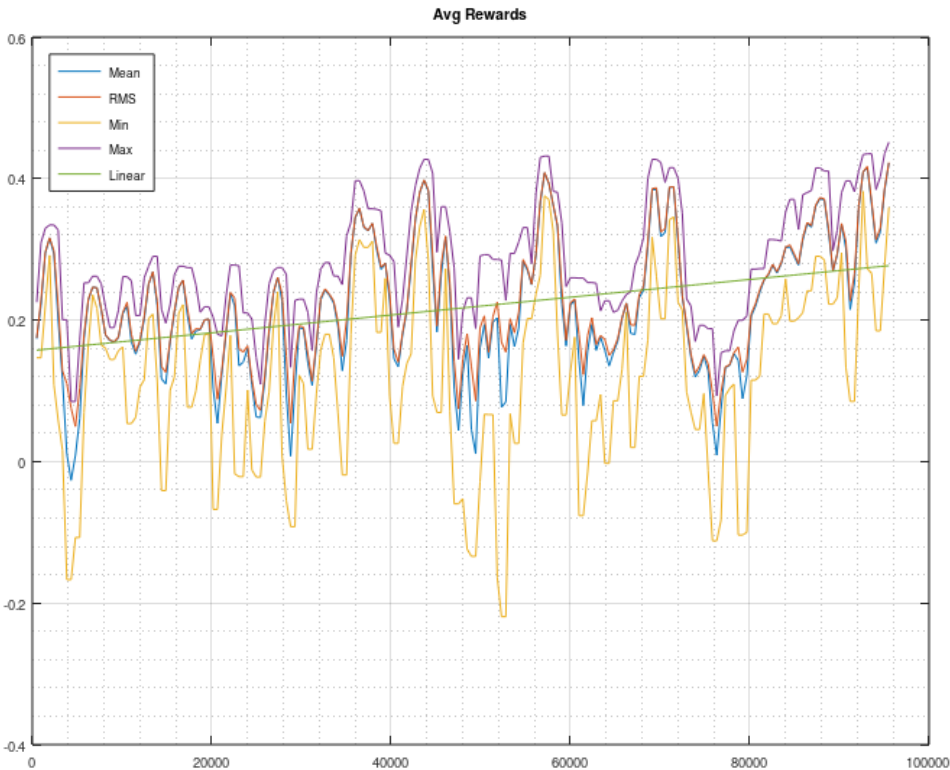
KPI	
Mean	0.217
Sigma	0.111
RMS	0.244
Min	-0.219
Median	0.22
Max	0.452
Trend	Linear
From	0.157
To	0.278

-0.189	-0.128	-0.0669	-0.00586	0.0551	0.116	0.177	0.238	0.299	0.36	0.421
110	432	1582	3172	5444	11468	21650	22050	14472	9676	5944

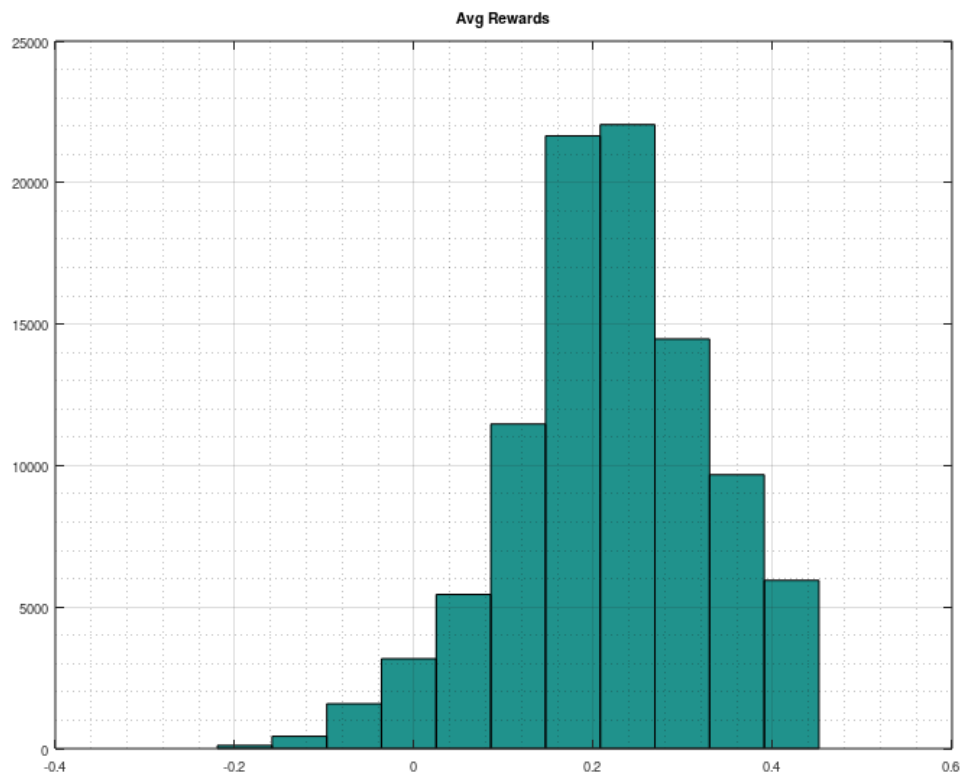
Avg Rewards notes

[Notes]

Avg Rewards chart



Avg Rewards histogram



Halt gradient

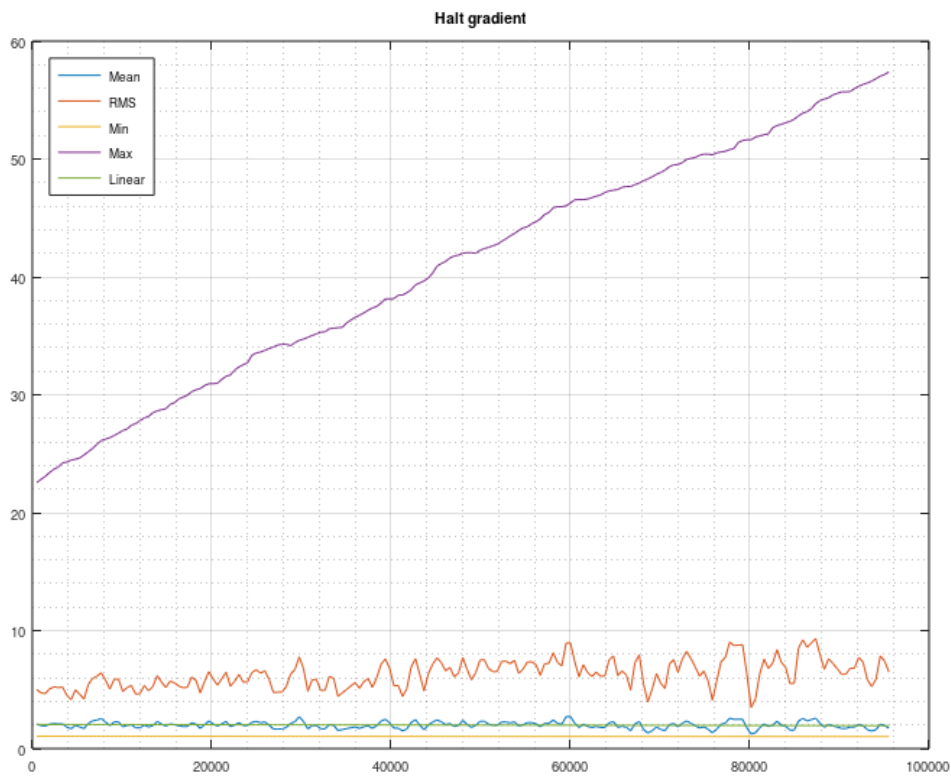
KPI	
Mean	1.99
Sigma	6.09
RMS	6.4
Min	1.02
Median	1.02
Max	57.4
Trend	Linear
From	2.04
To	1.94

3.58	8.71	13.8	19	24.1	29.2	34.3	39.5	44.6	49.7	54.8
93496	0	0	0	428	436	396	322	356	330	236

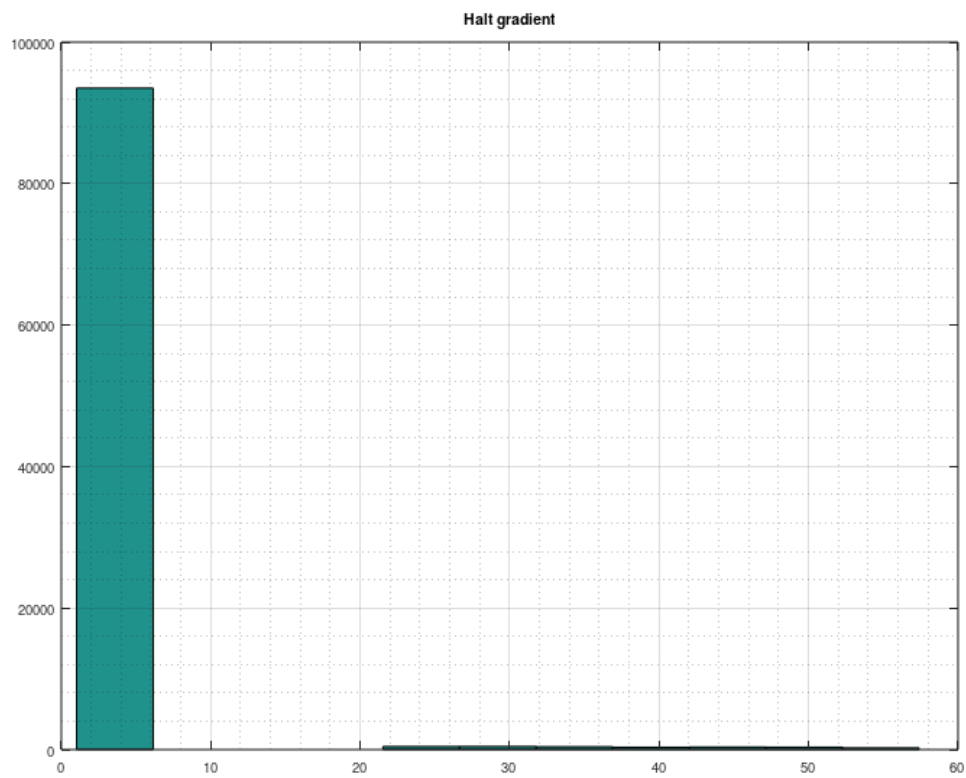
Halt gradient notes

[Notes]

Halt gradient chart



Halt gradient histogram



Direction gradient

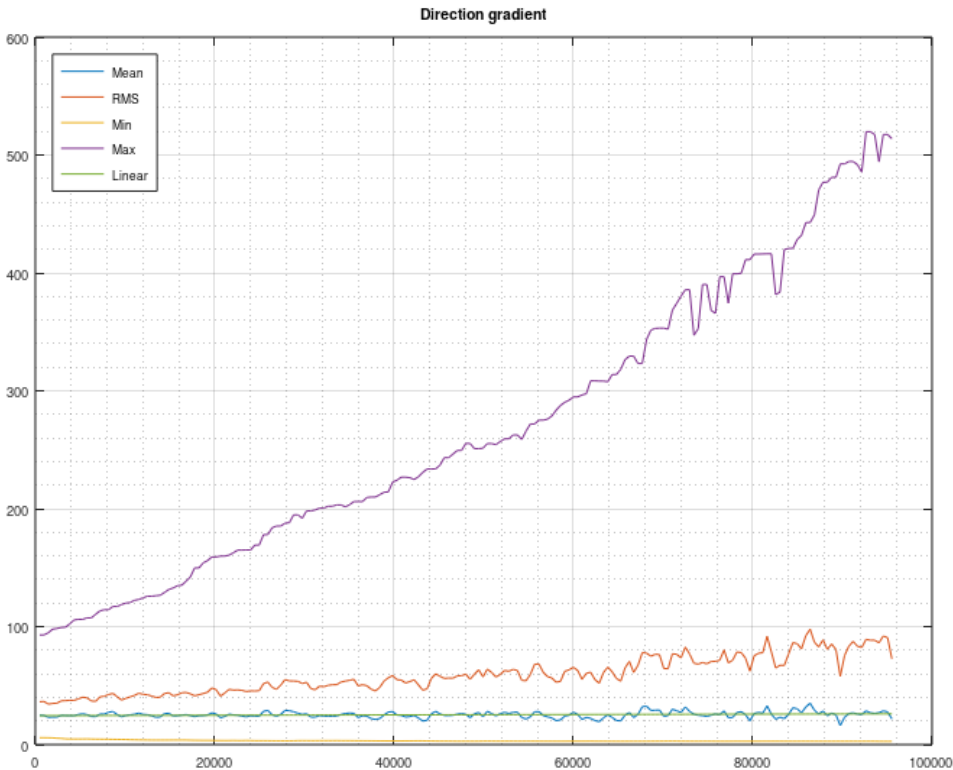
KPI	
Mean	25.3
Sigma	55.1
RMS	60.6
Min	2.67
Median	5.81
Max	520
Trend	Linear
From	24.5
To	26

26.2	73.2	120	167	214	261	308	355	402	449	496
84242	4008	3152	1664	1230	748	406	256	180	74	40

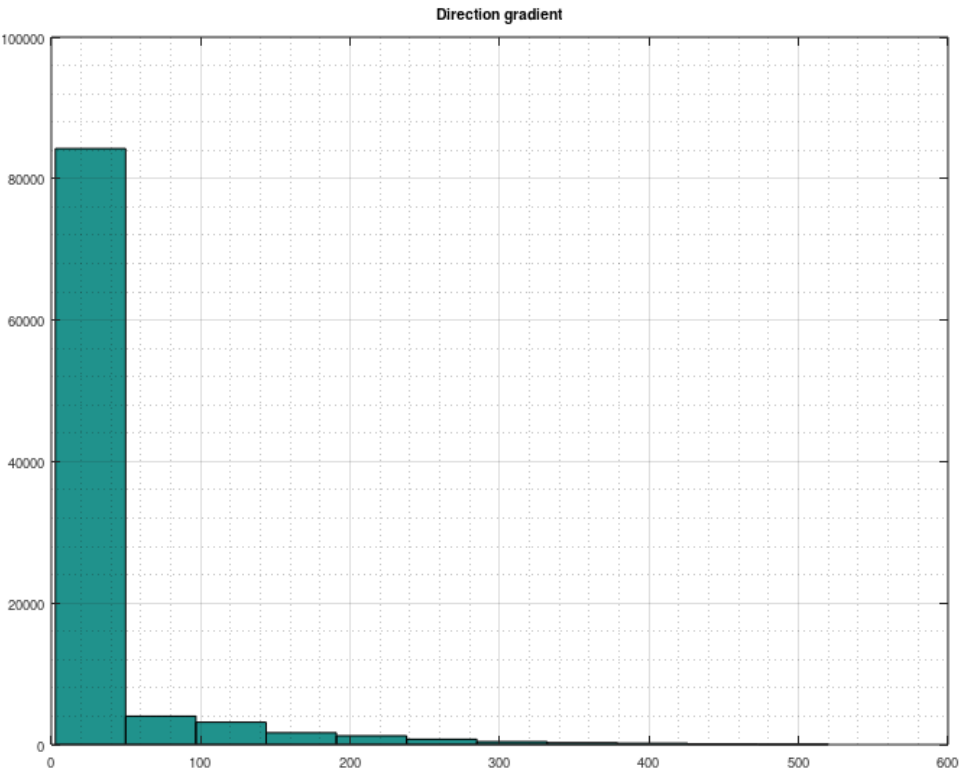
Direction gradient notes

[Notes]

Direction gradient chart



Direction gradient histogram



Speed gradient

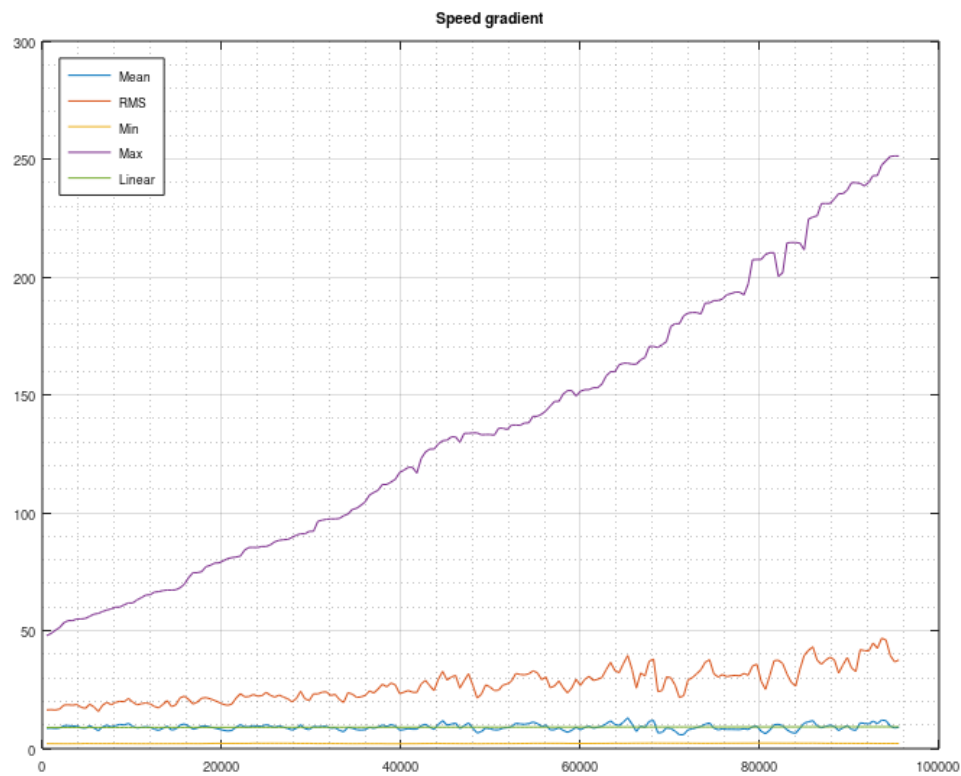
KPI	
Mean	9.07
Sigma	26.5
RMS	28
Min	1.99
Median	2.44
Max	251
Trend	Linear
From	8.93
To	9.2

13.3	36	58.6	81.3	104	127	149	172	195	217	240
90260	342	1888	976	574	710	418	244	240	234	114

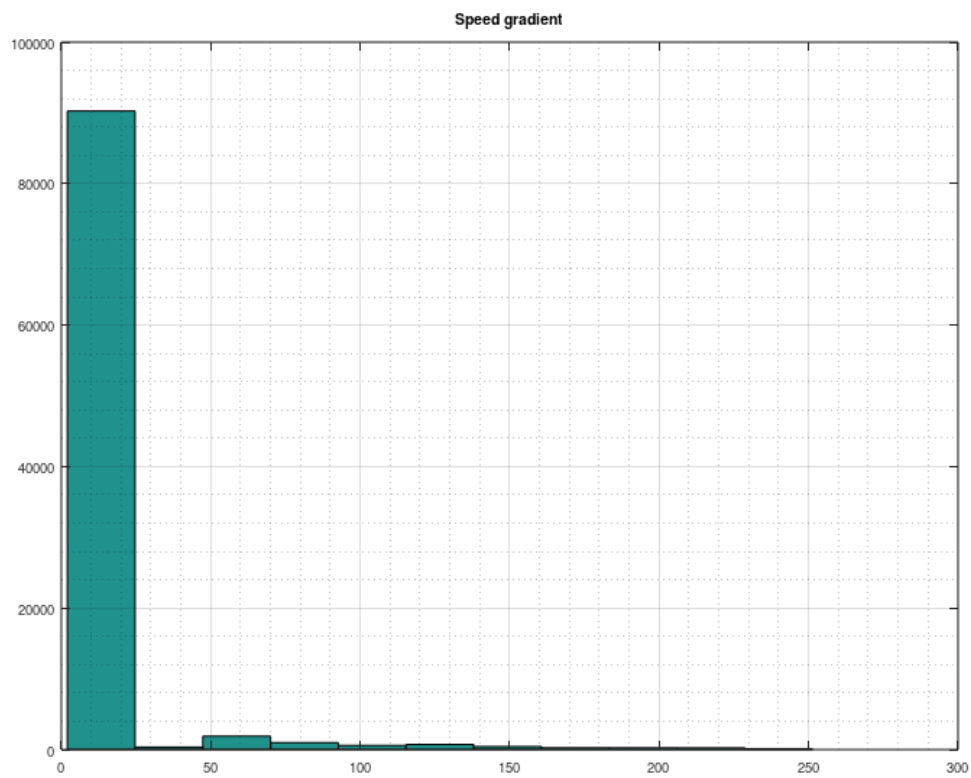
Speed gradient notes

[Notes]

Speed gradient chart



Speed gradient histogram



Sensor direction gradient

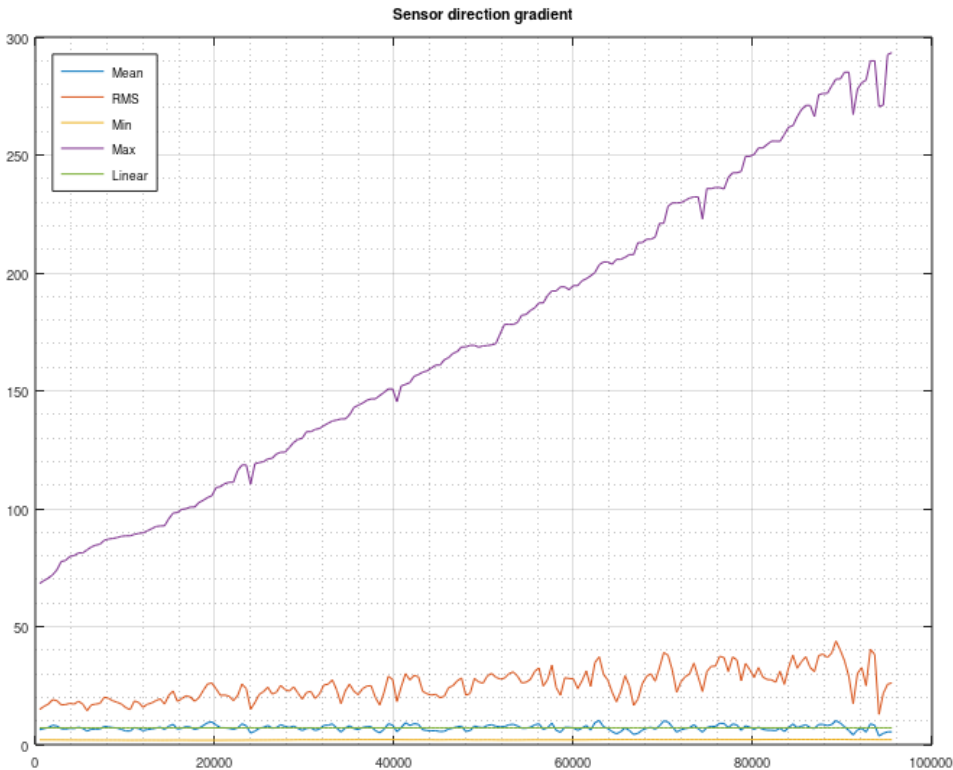
KPI	
Mean	7.08
Sigma	25.1
RMS	26.1
Min	1.81
Median	2.72
Max	293
Trend	Linear
From	7.07
To	7.08

15.1	41.6	68.1	94.6	121	148	174	201	227	254	280
93138	0	578	596	442	334	288	220	178	144	82

Sensor direction gradient notes

[Notes]

Sensor direction gradient chart



Sensor direction gradient histogram

