

Report

22 February 2023, 08:57

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

Report folder C:\Users\marco\Desktop\wheellyj\reports\Explorer\analog-imit-2023-02-22-08-57\

▼ 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

▼ 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 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](#)
- ▼ [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	
Steps	429284
Mean	0.0448
Sigma	0.292
RMS	0.295
Min	-1
Median	0
Max	1
Trend	Linear
From	0.0709
To	0.0187

-0.909	-0.727	-0.545	-0.364	-0.182	0	0.182	0.364	0.545	0.727	0.909
17100	0	0	0	0	335018	20926	21314	8238	26582	106

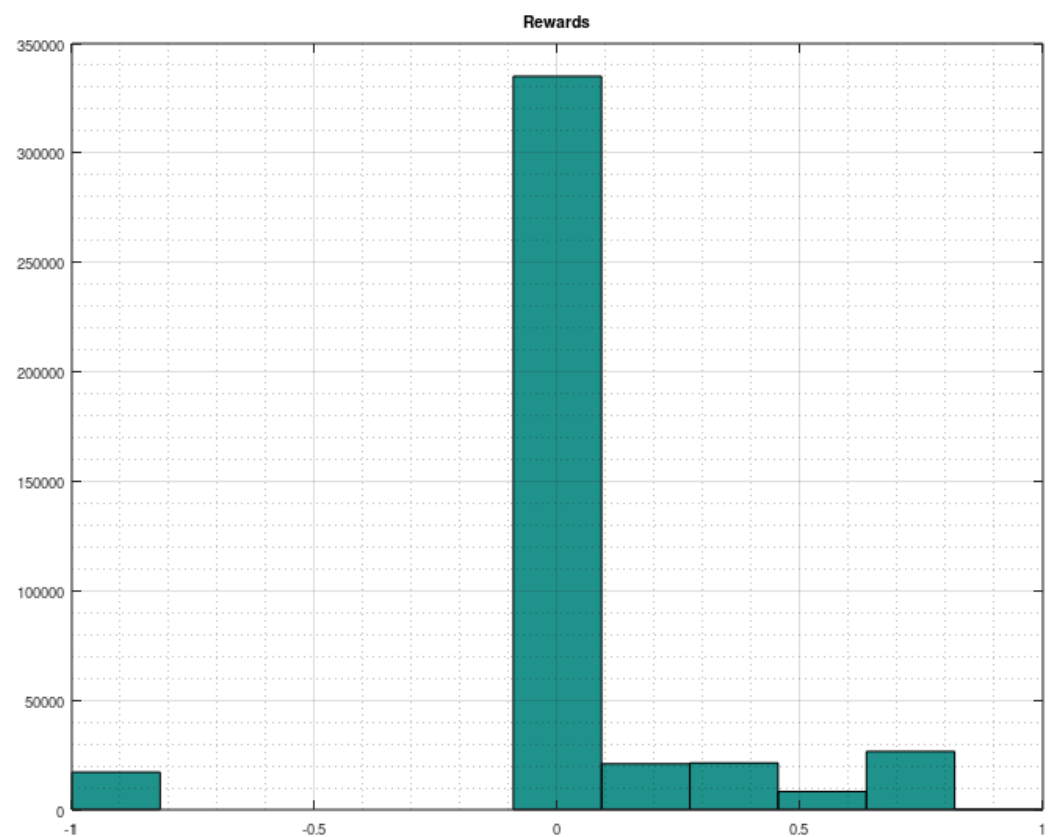
Rewards notes

[Notes]

Rewards chart



Rewards histogram



Delta

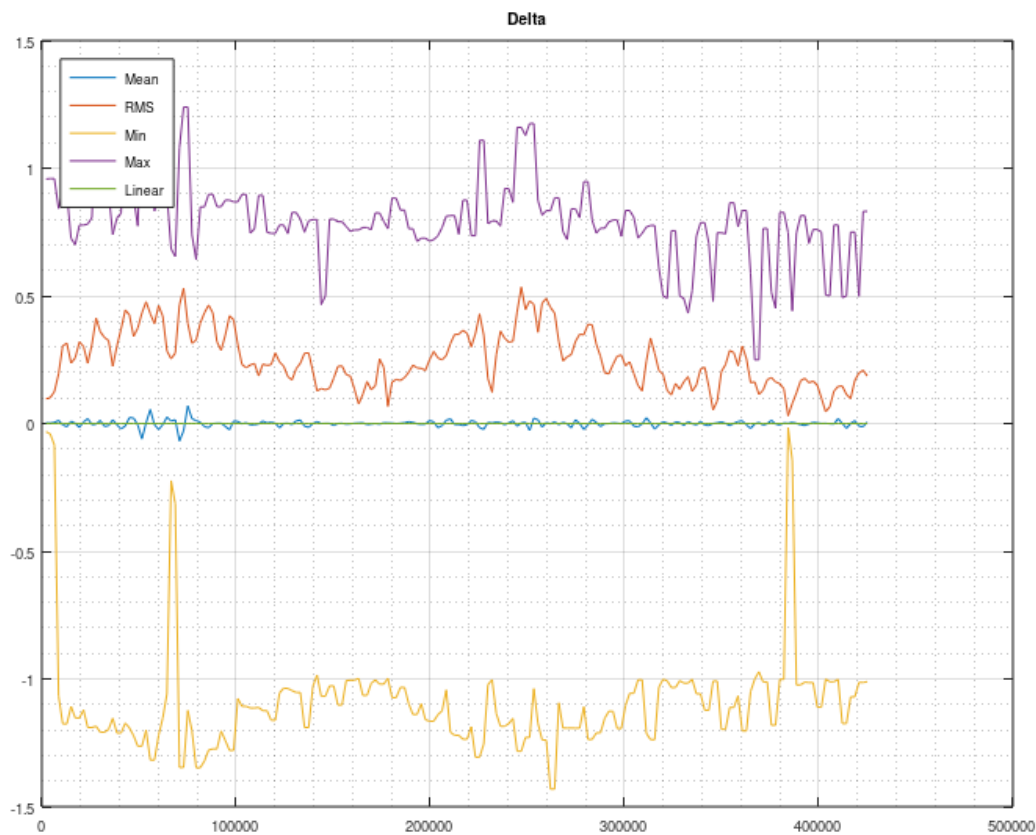
KPI	
Steps	429284
Mean	5.54e-05
Sigma	0.276
RMS	0.276
Min	-1.43
Median	-0.00533
Max	1.29
Trend	Linear
From	0.000139
To	-2.86e-05

-1.31	-1.06	-0.813	-0.566	-0.318	-0.0711	0.176	0.424	0.671	0.918	1.17
994	10554	3284	2166	11928	303140	55928	20428	19710	944	208

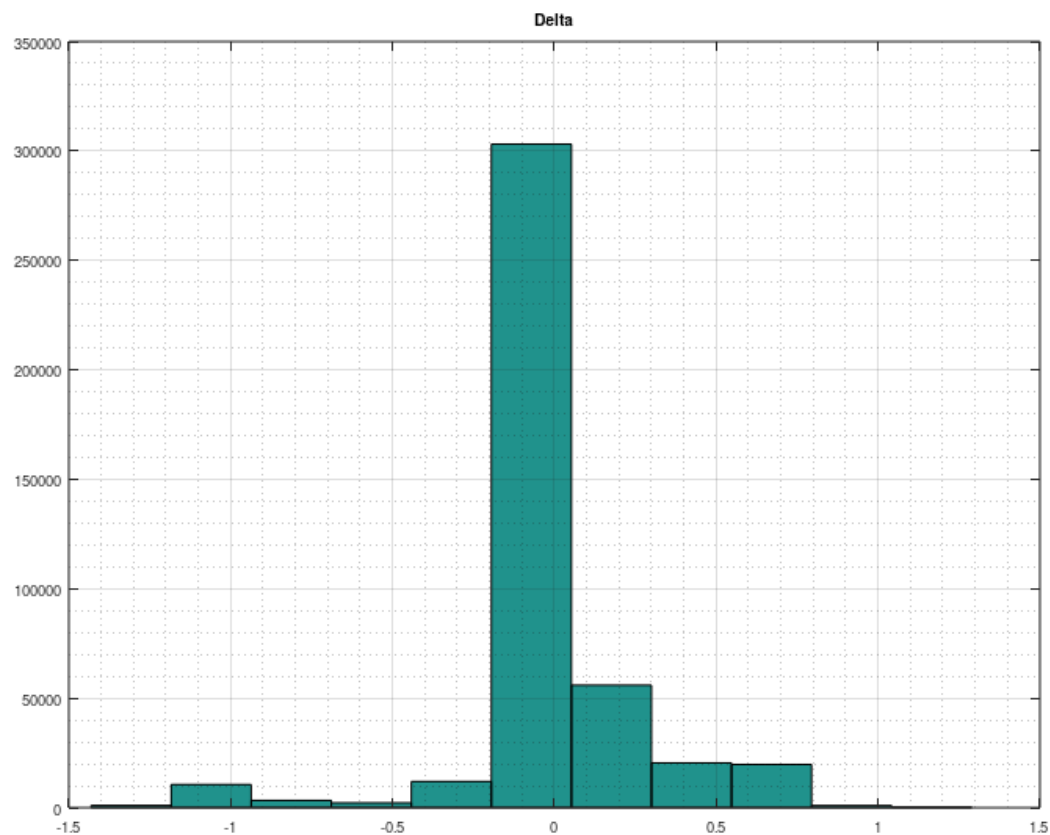
Delta notes

[Notes]

Delta chart



Delta histogram



Discount 0.999 rewards

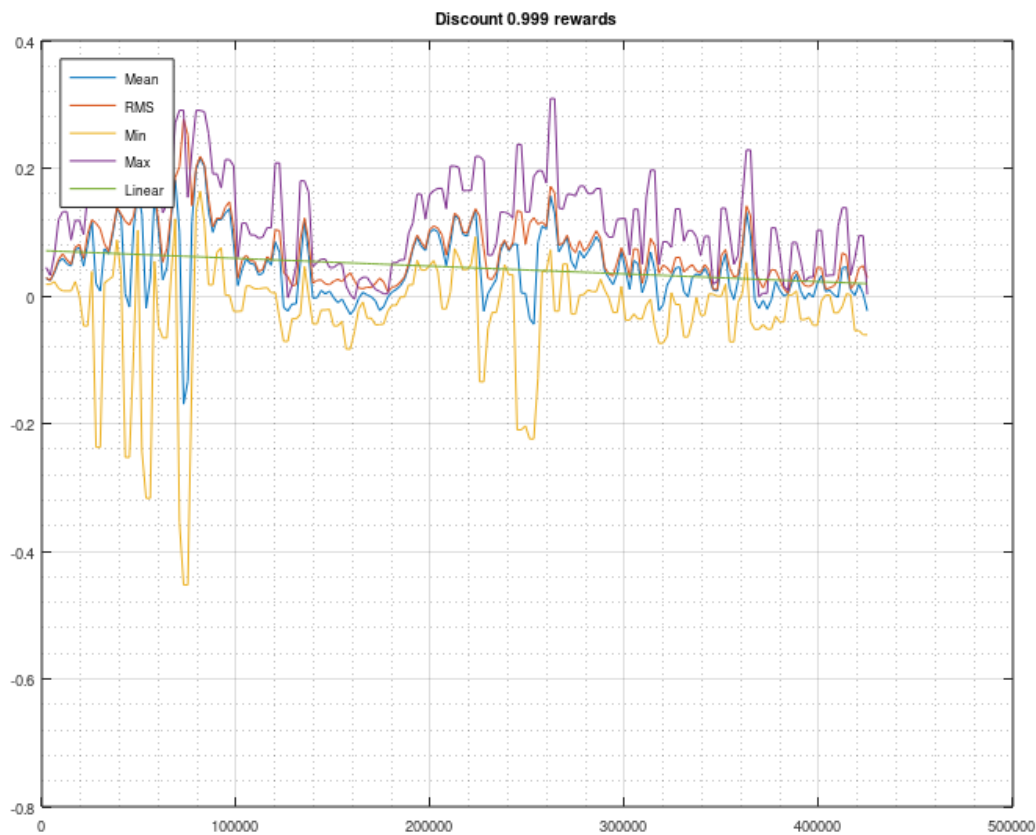
KPI	
Steps	429284
Mean	0.0448
Sigma	0.0755
RMS	0.0878
Min	-0.453
Median	0.0353
Max	0.309
Trend	Linear
From	0.0709
To	0.0186

-0.418	-0.349	-0.28	-0.21	-0.141	-0.0719	-0.00265	0.0666	0.136	0.205	0.274
1012	586	817	2398	4285	16655	180998	132547	69358	17695	2933

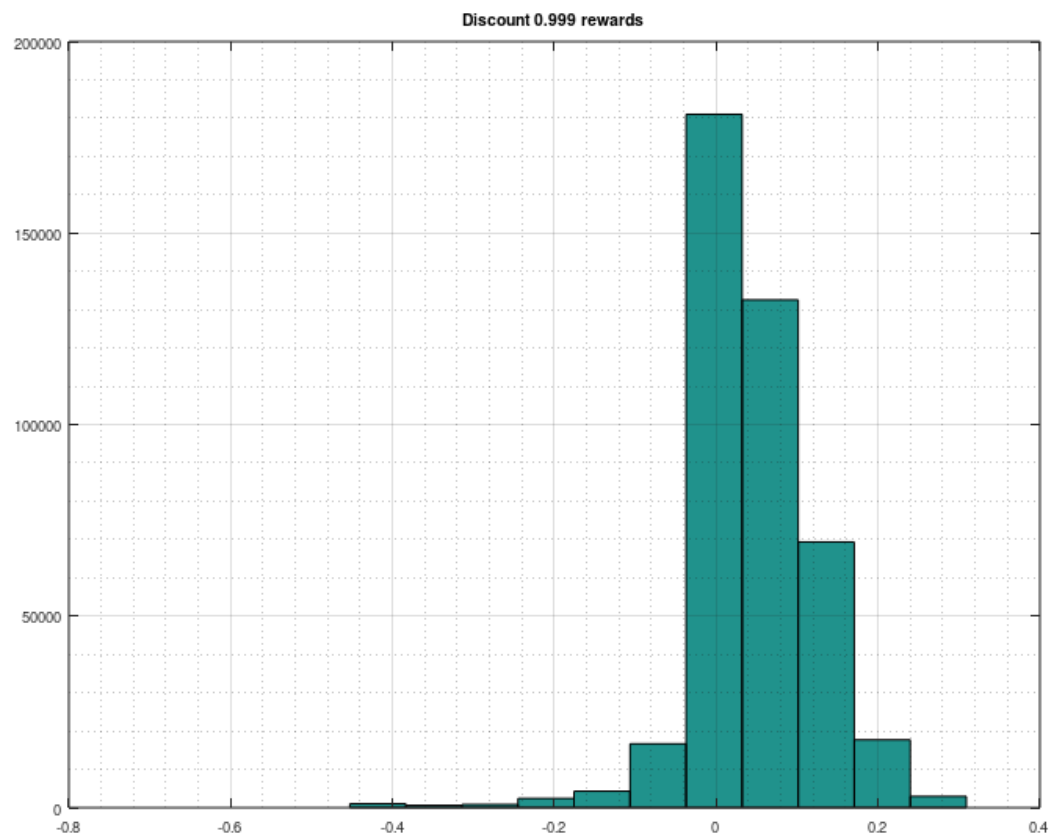
Discount 0.999 rewards notes

[Notes]

Discount 0.999 rewards chart



Discount 0.999 rewards histogram



Direction max prob.

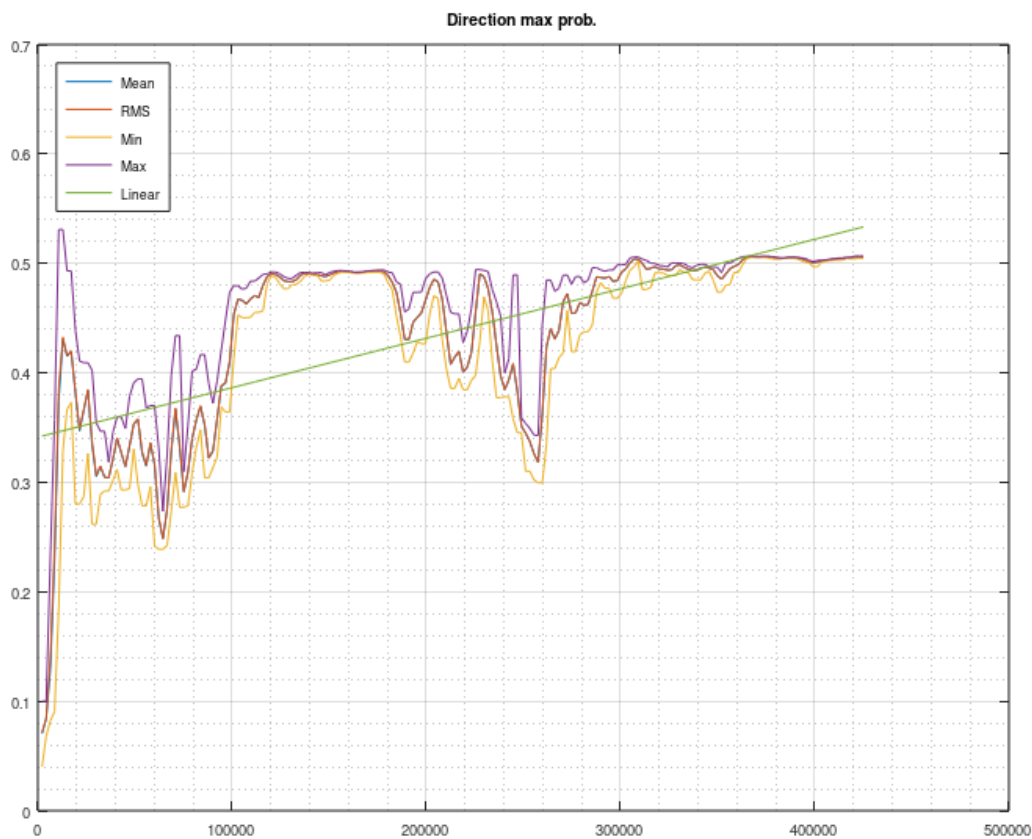
KPI	
Steps	429284
Mean	0.438
Sigma	0.0844
RMS	0.446
Min	0.04
Median	0.483
Max	0.531
Trend	Linear
From	0.341
To	0.535

0.0623	0.107	0.152	0.196	0.241	0.285	0.33	0.375	0.419	0.464	0.509
4038	3152	28	1224	5204	20178	42630	34134	39794	80454	198448

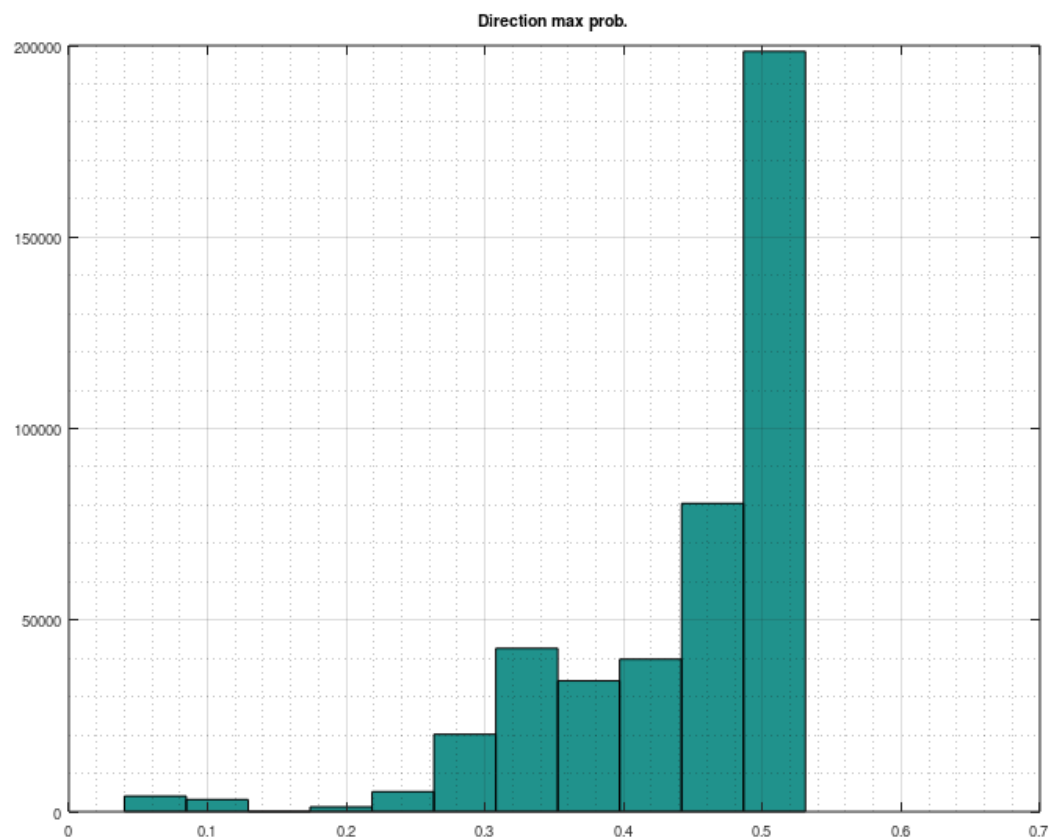
Direction max prob. notes

[Notes]

Direction max prob. chart



Direction max prob. histogram



Speed max prob.

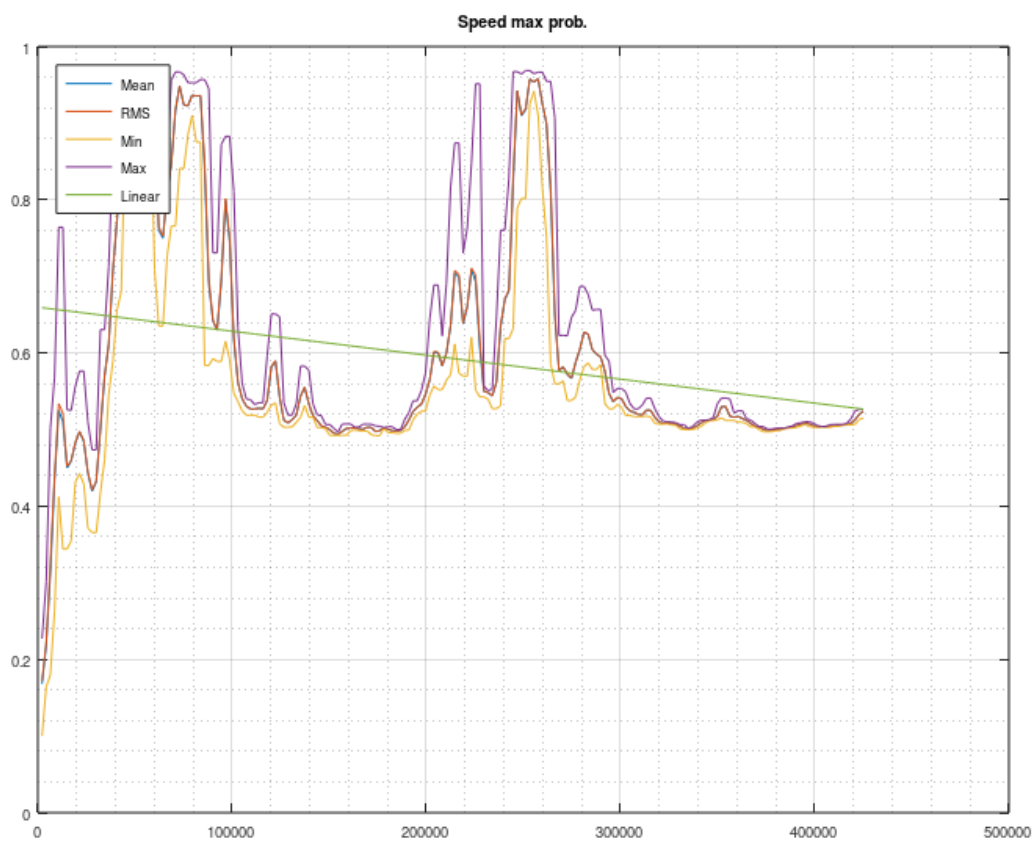
KPI	
Steps	429284
Mean	0.592
Sigma	0.158
RMS	0.613
Min	0.1
Median	0.525
Max	0.969
Trend	Linear
From	0.66
To	0.525

0.139	0.218	0.297	0.376	0.455	0.534	0.613	0.692	0.771	0.85	0.929
2472	3394	1350	3128	22346	253542	50594	19570	10358	11710	50820

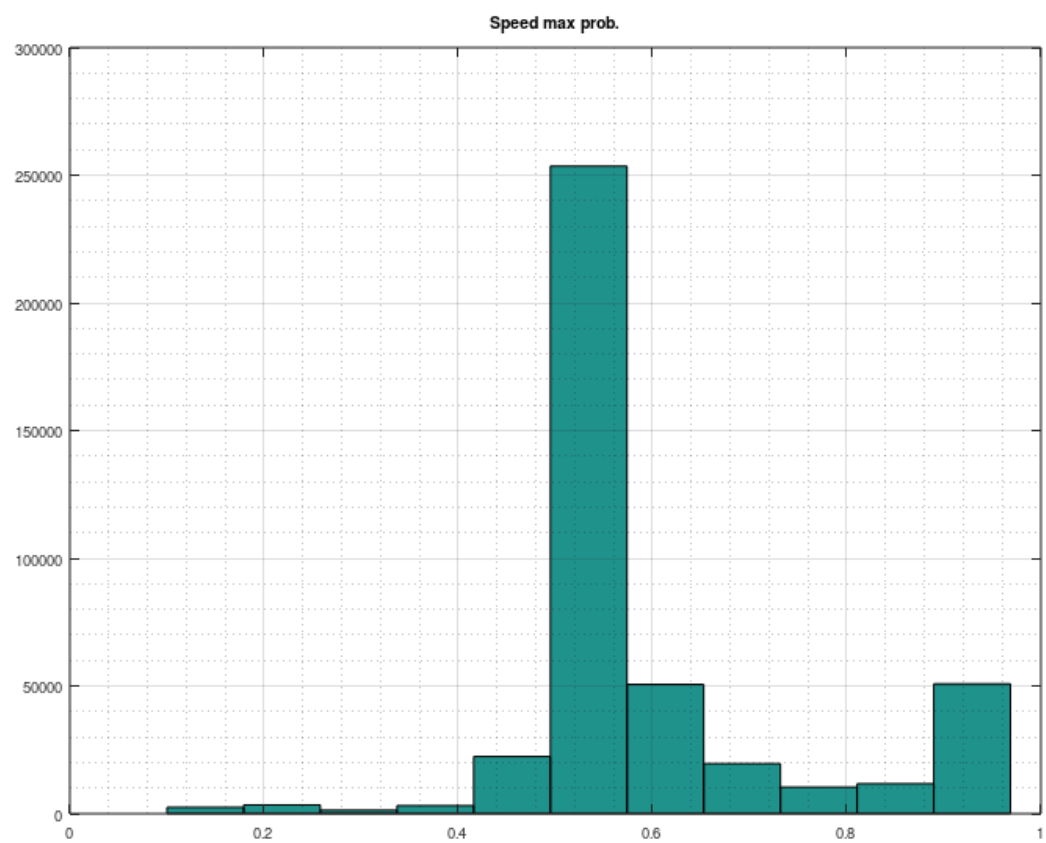
Speed max prob. notes

[Notes]

Speed max prob. chart



Speed max prob. histogram



Sensor direction max prob.

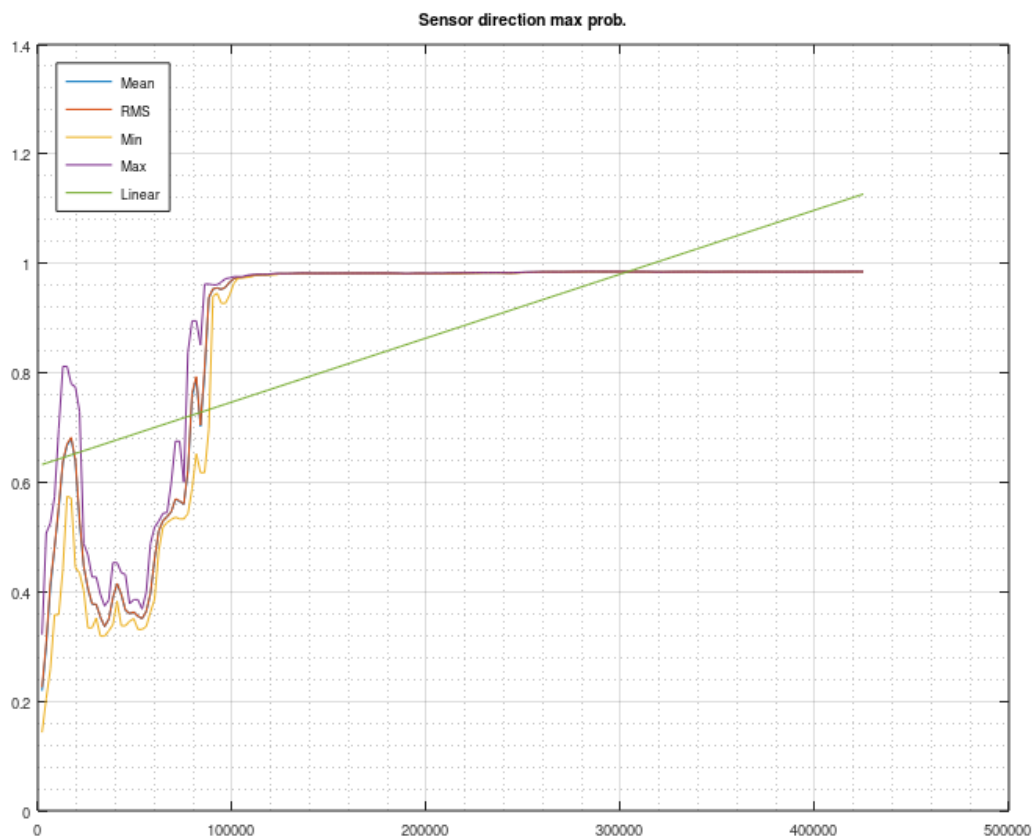
KPI	
Steps	429284
Mean	0.881
Sigma	0.213
RMS	0.906
Min	0.143
Median	0.982
Max	0.985
Trend	Linear
From	0.63
To	1.13

0.181	0.258	0.334	0.411	0.487	0.564	0.641	0.717	0.794	0.87	0.947
2310	2562	23382	14768	10442	14766	8900	5080	2476	1602	342996

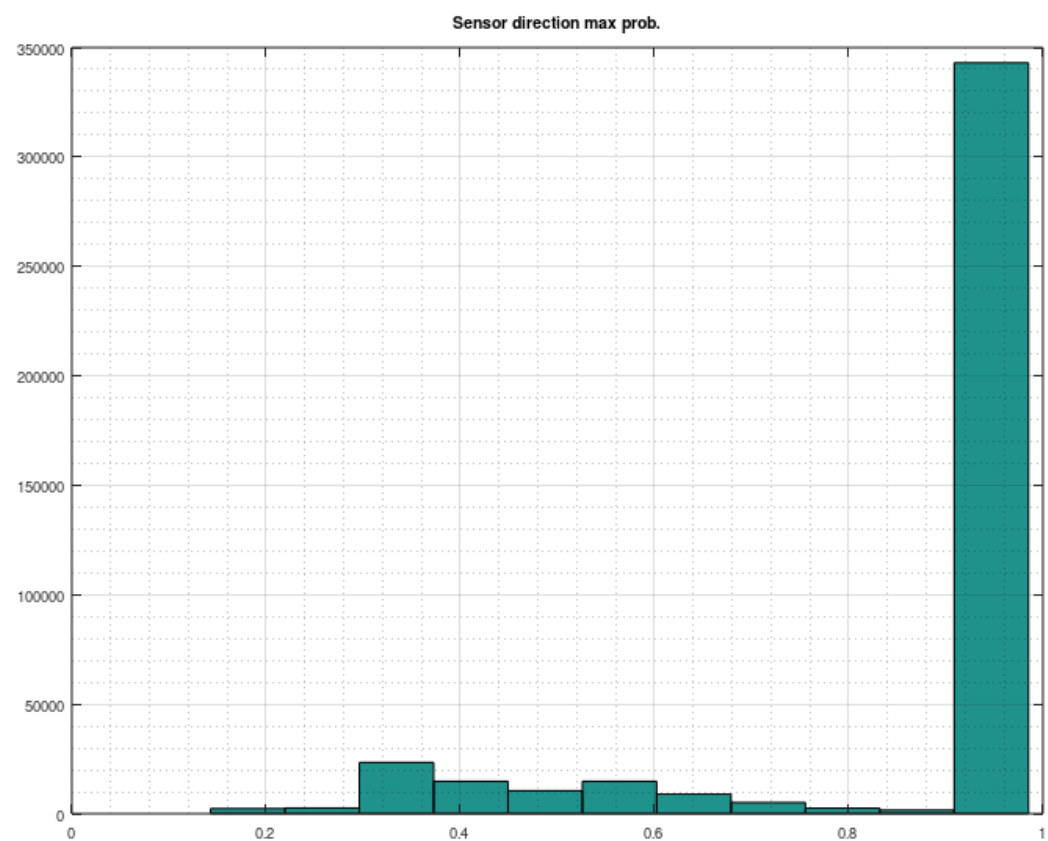
Sensor direction max prob. notes

[Notes]

Sensor direction max prob. chart



Sensor direction max prob. histogram



Delta direction prob.

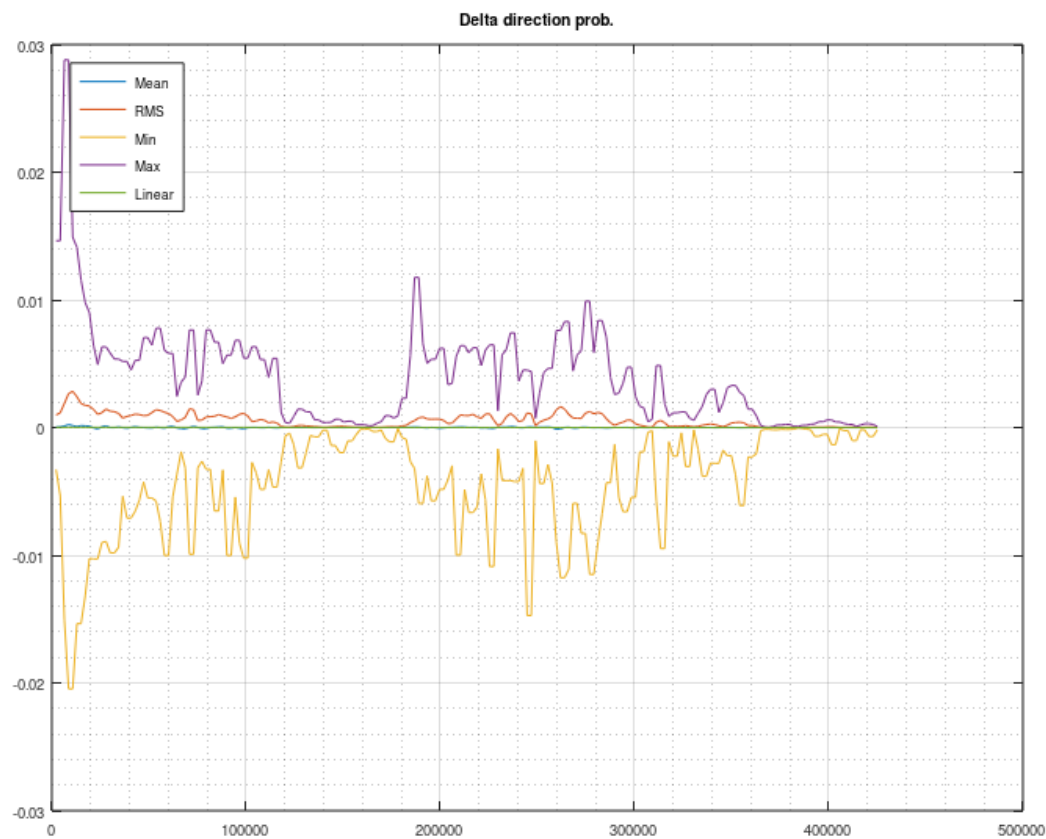
KPI	
Steps	429284
Mean	4.11e-06
Sigma	0.000768
RMS	0.000768
Min	-0.0205
Median	2.3e-09
Max	0.0288
Trend	Linear
From	1.81e-05
To	-9.89e-06

-0.0182	-0.0137	-0.00927	-0.00479	-0.000311	0.00417	0.00864	0.0131	0.0176	0.0221	0.0266
6	38	244	2728	418504	7414	292	54	0	2	2

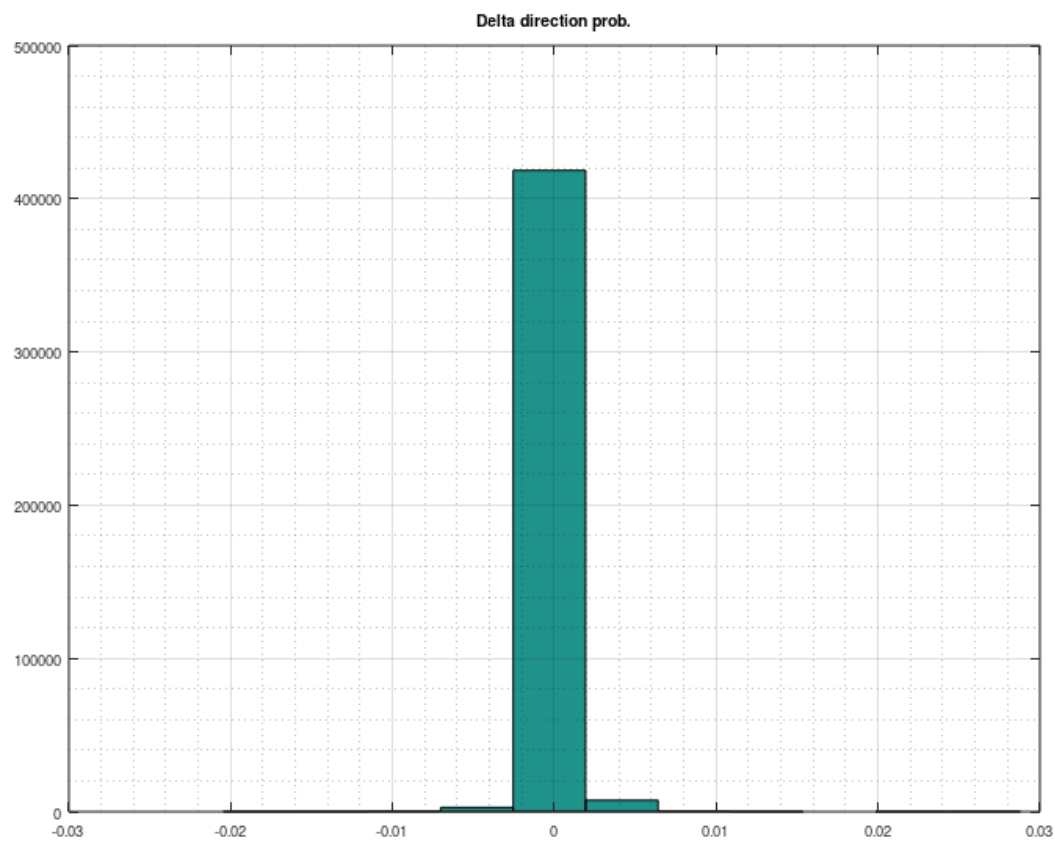
Delta direction prob. notes

[Notes]

Delta direction prob. chart



Delta direction prob. histogram



Delta speed prob.

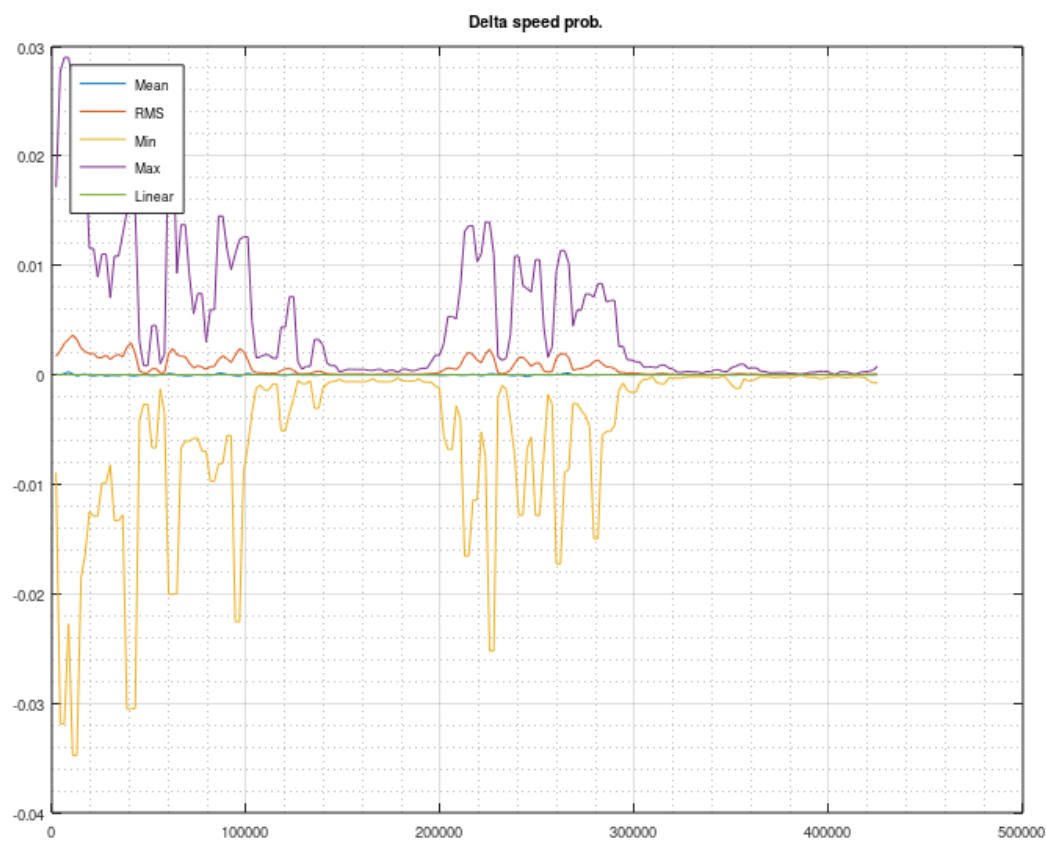
KPI	
Steps	429284
Mean	8.95e-07
Sigma	0.00104
RMS	0.00104
Min	-0.0348
Median	-5e-08
Max	0.029
Trend	Linear
From	9.37e-07
To	8.53e-07

-0.0319	-0.0261	-0.0203	-0.0145	-0.00868	-0.00288	0.00291	0.00871	0.0145	0.0203	0.0261
8	10	48	142	798	320154	106408	1524	158	26	8

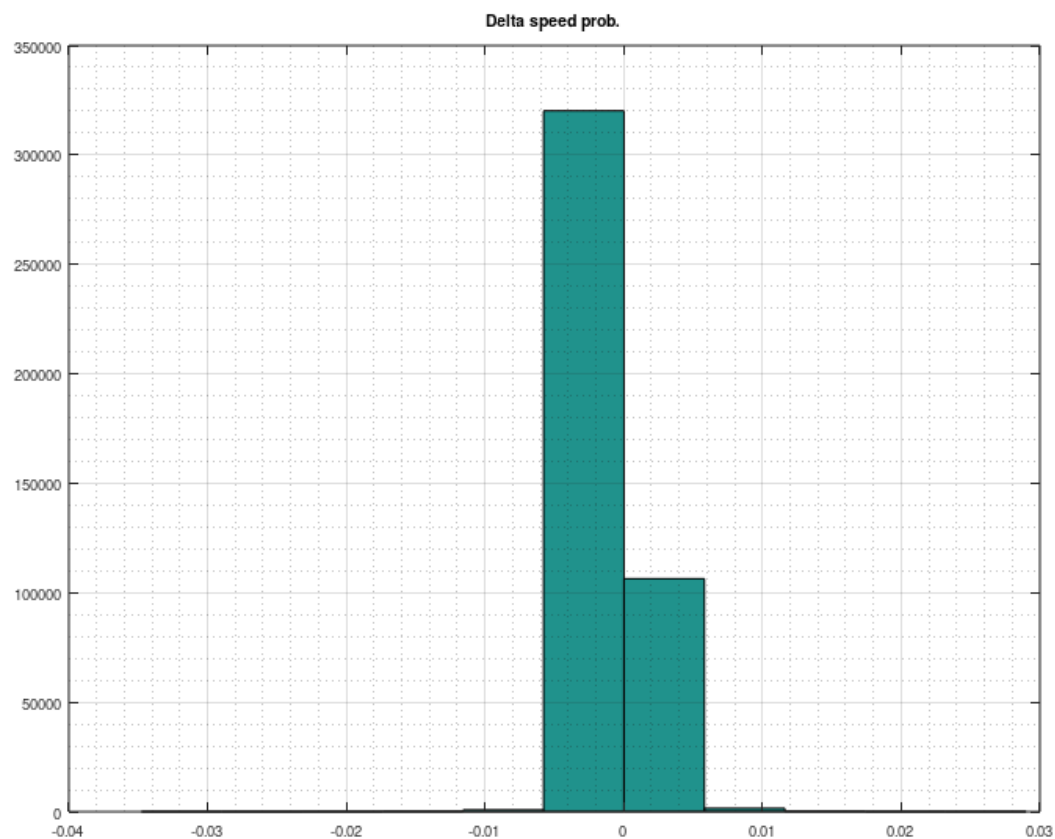
Delta speed prob. notes

[Notes]

Delta speed prob. chart



Delta speed prob. histogram



Delta sensor direction prob.

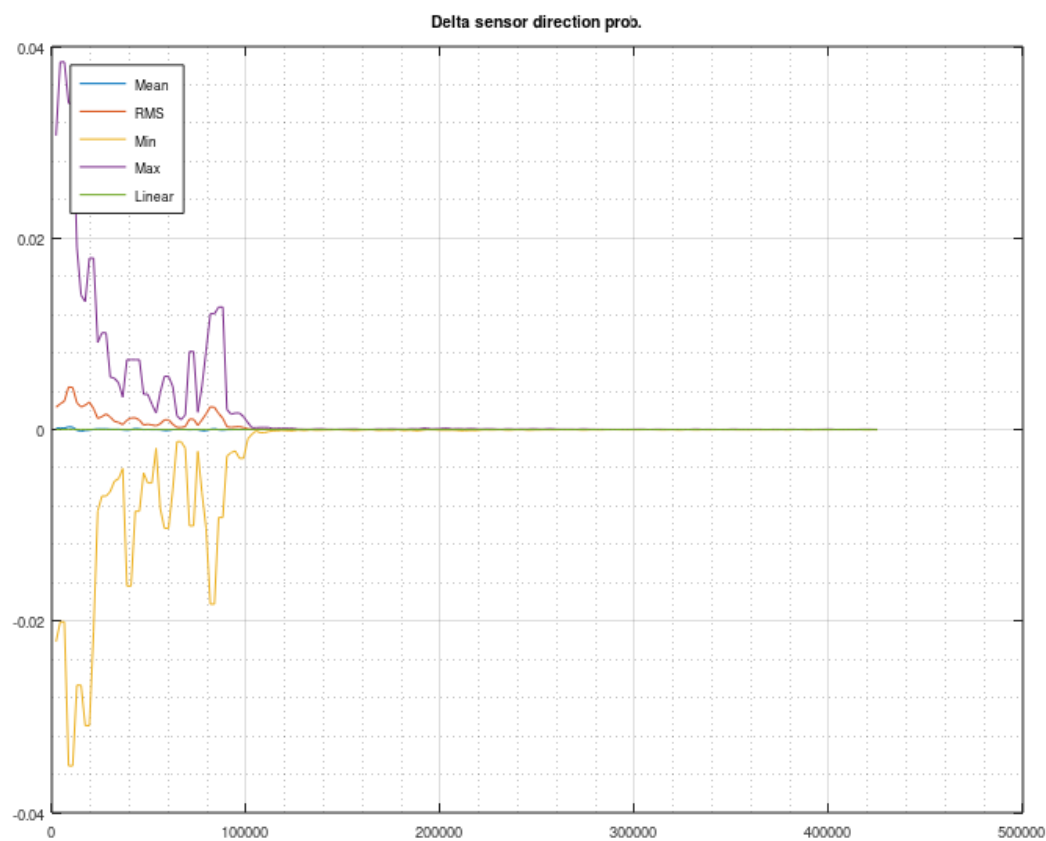
KPI	
Steps	429284
Mean	2.12e-06
Sigma	0.000822
RMS	0.000822
Min	-0.0351
Median	-2.5e-09
Max	0.0384
Trend	Linear
From	1.02e-05
To	-5.92e-06

-0.0318	-0.0251	-0.0184	-0.0117	-0.00505	0.00164	0.00832	0.015	0.0217	0.0284	0.035
8	20	54	232	4806	423092	904	116	34	10	8

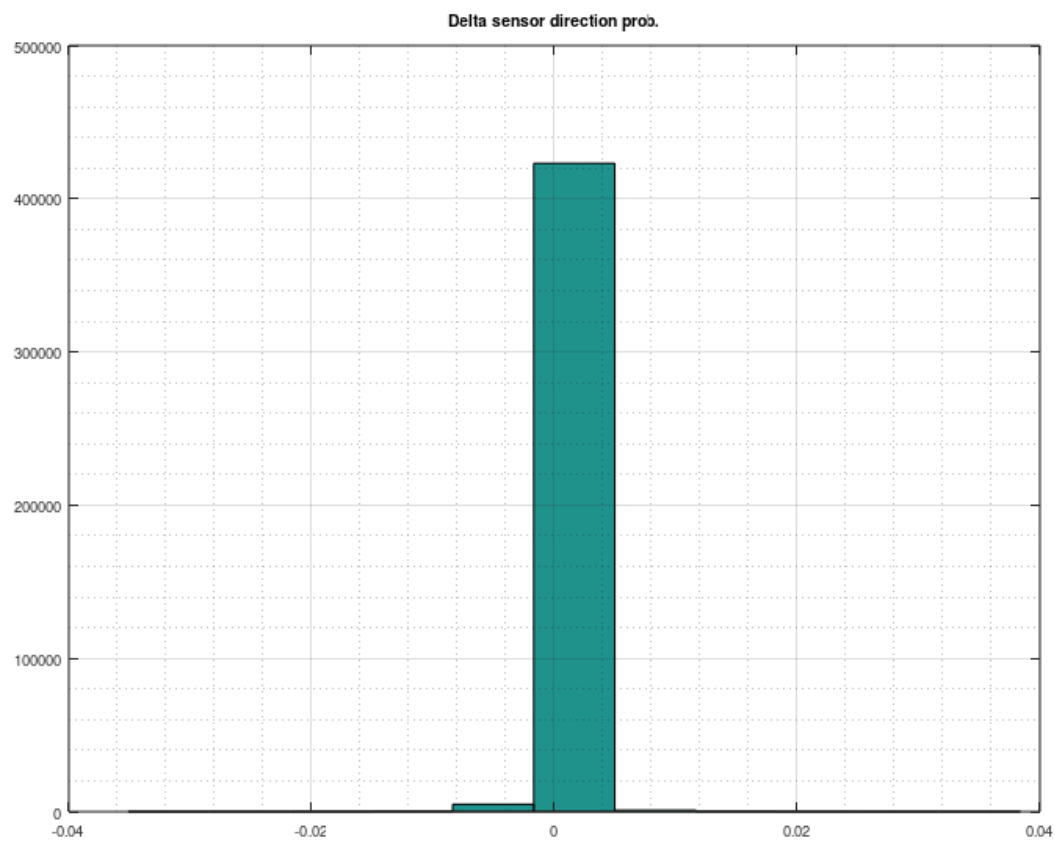
Delta sensor direction prob. notes

[Notes]

Delta sensor direction prob. chart



Delta sensor direction prob. histogram



Advantage residual estimation (critic)

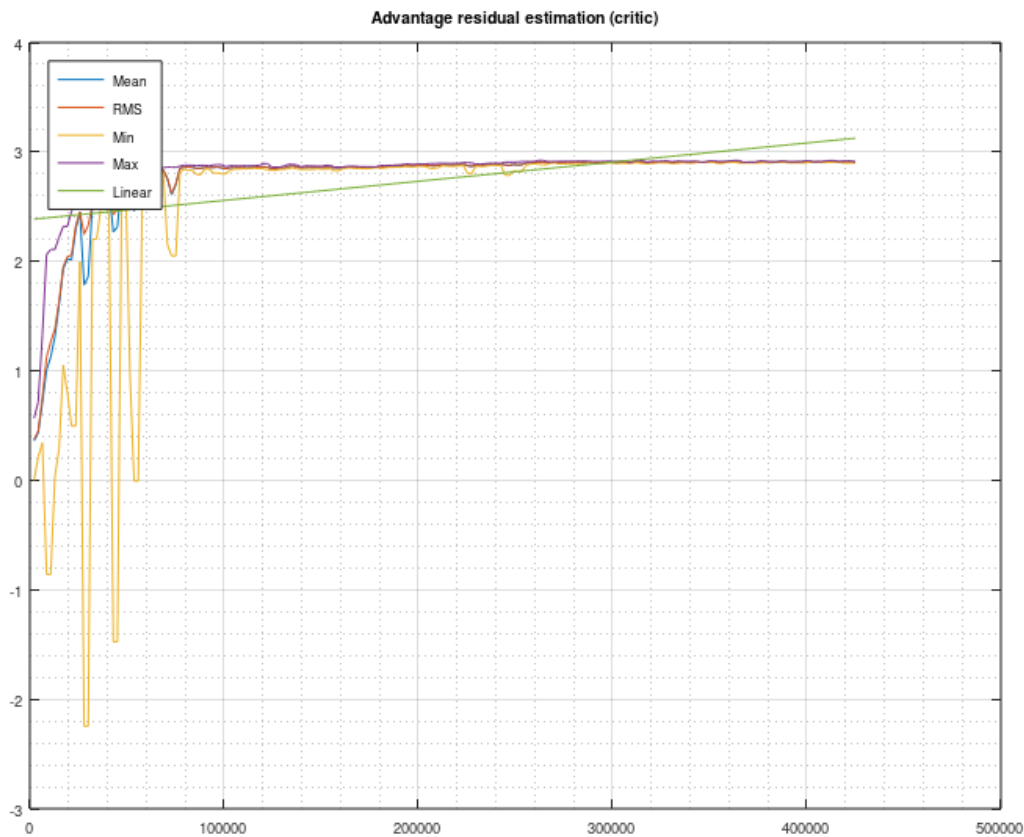
KPI	
Steps	429284
Mean	2.76
Sigma	0.461
RMS	2.8
Min	-2.25
Median	2.88
Max	2.92
Trend	Linear
From	2.38
To	3.13

-2.01	-1.54	-1.07	-0.602	-0.132	0.338	0.808	1.28	1.75	2.22	2.69
262	144	188	222	382	6786	2906	4746	4882	9952	398814

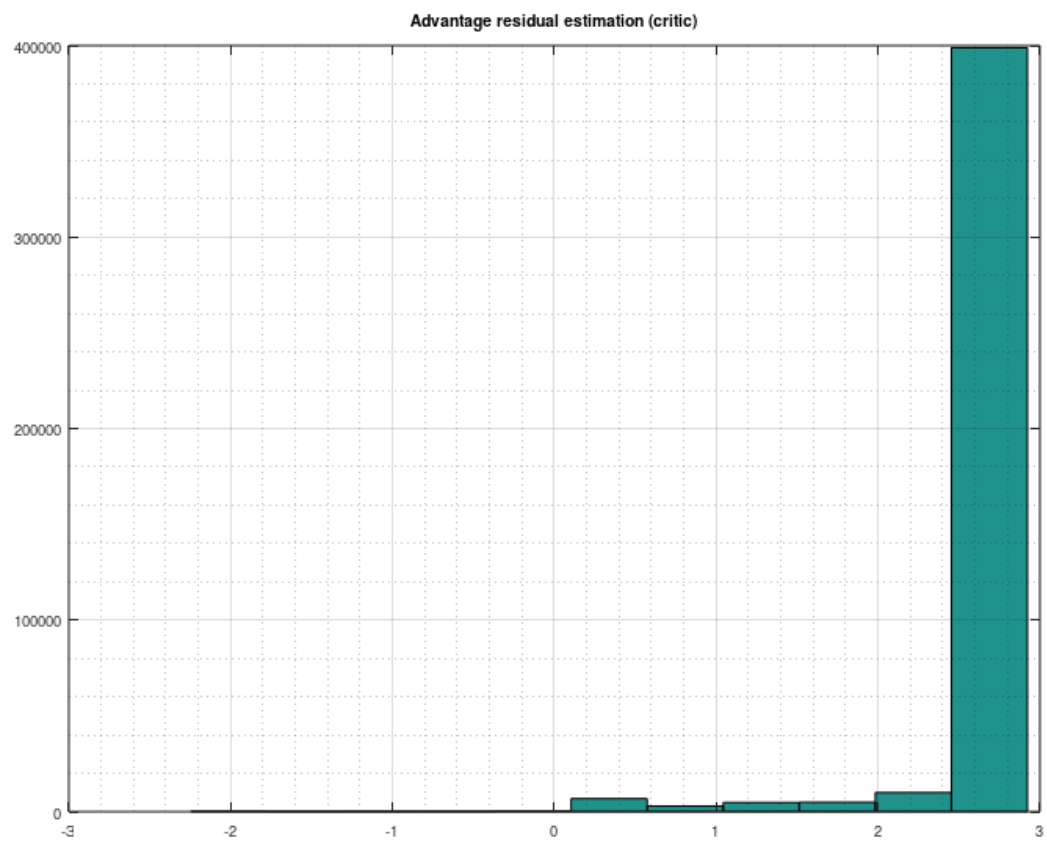
Advantage residual estimation (critic) notes

[Notes]

Advantage residual estimation (critic) chart



Advantage residual estimation (critic) histogram



Delta Advantage residual estimation (critic)

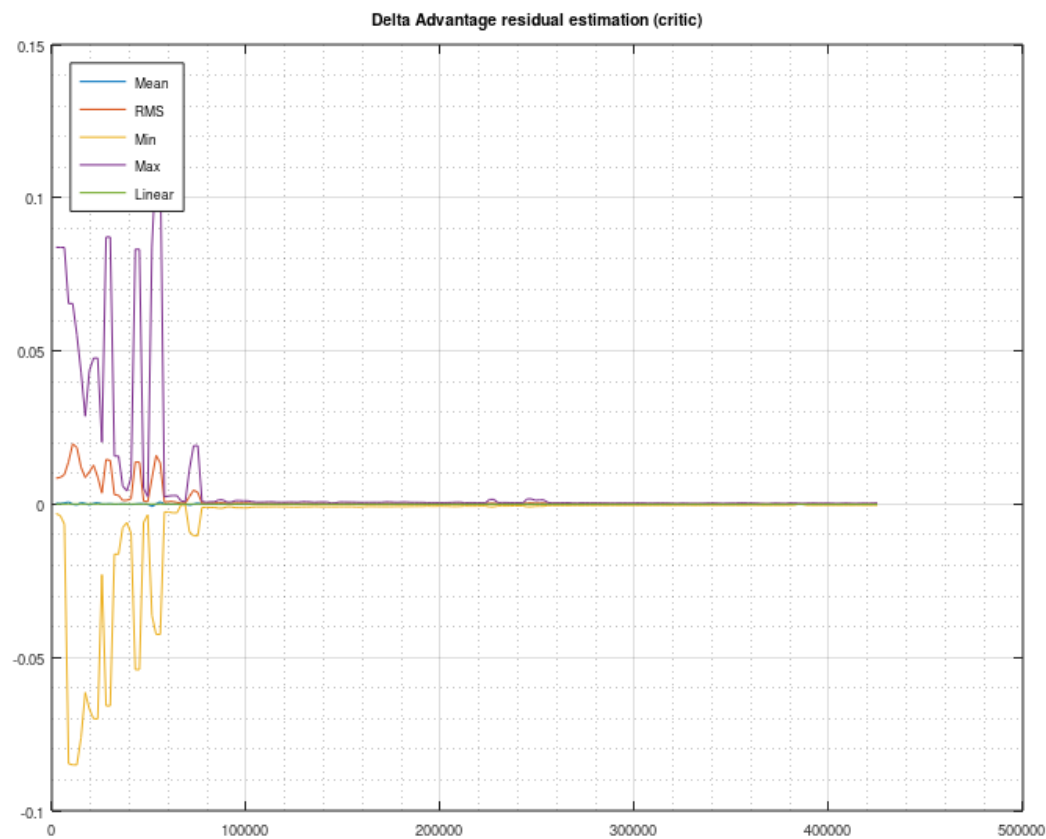
KPI	
Steps	429284
Mean	1.38e-05
Sigma	0.00397
RMS	0.00397
Min	-0.0851
Median	-2.7e-06
Max	0.112
Trend	Linear
From	5.08e-05
To	-2.32e-05

-0.0761	-0.0581	-0.0402	-0.0222	-0.00425	0.0137	0.0317	0.0496	0.0676	0.0855	0.104
152	380	612	754	420280	5680	1086	216	74	38	12

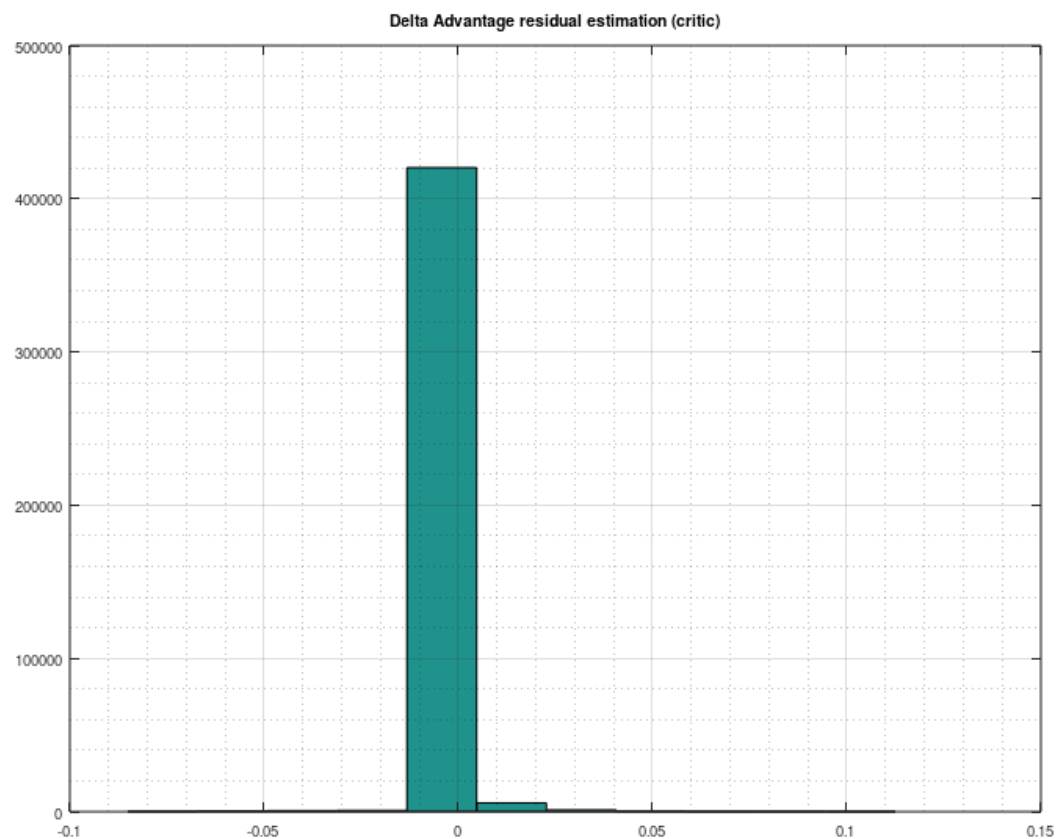
Delta Advantage residual estimation (critic) notes

[Notes]

Delta Advantage residual estimation (critic) chart



Delta Advantage residual estimation (critic) histogram



Avg Rewards

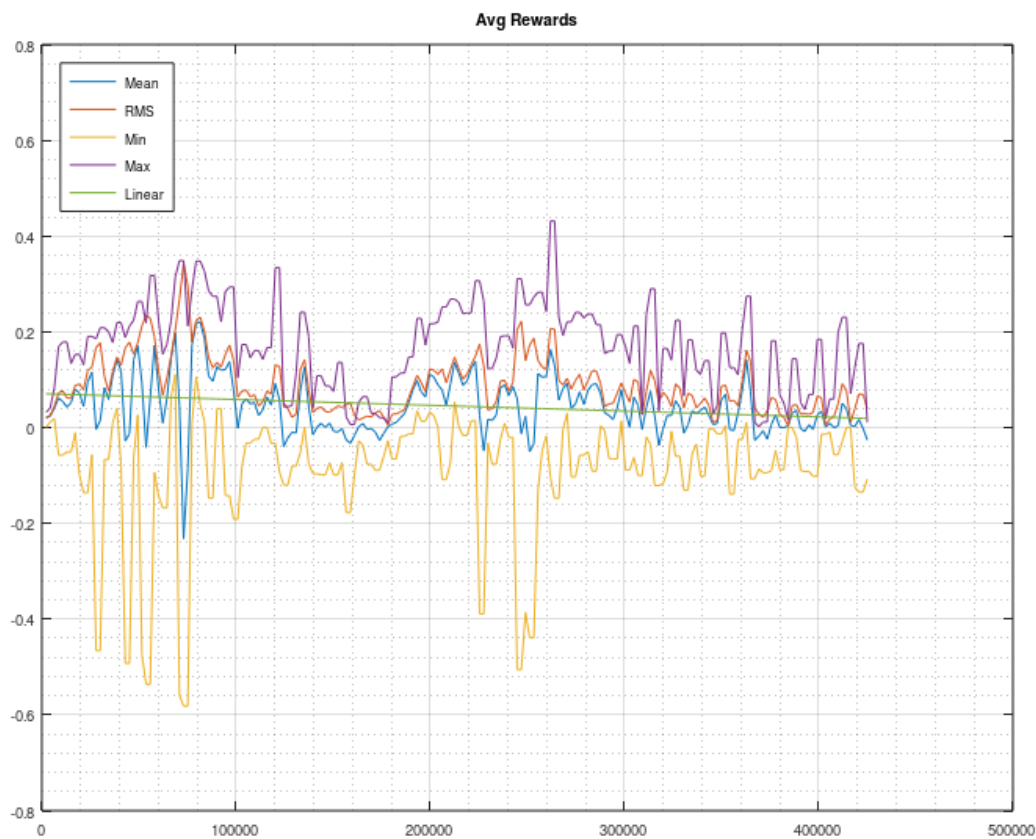
KPI	
Steps	429284
Mean	0.0447
Sigma	0.0984
RMS	0.108
Min	-0.582
Median	0.0272
Max	0.431
Trend	Linear
From	0.0708
To	0.0187

-0.536	-0.443	-0.351	-0.259	-0.167	-0.0751	0.017	0.109	0.201	0.293	0.385
1020	1844	2006	2290	3378	42184	217794	105686	44898	7522	662

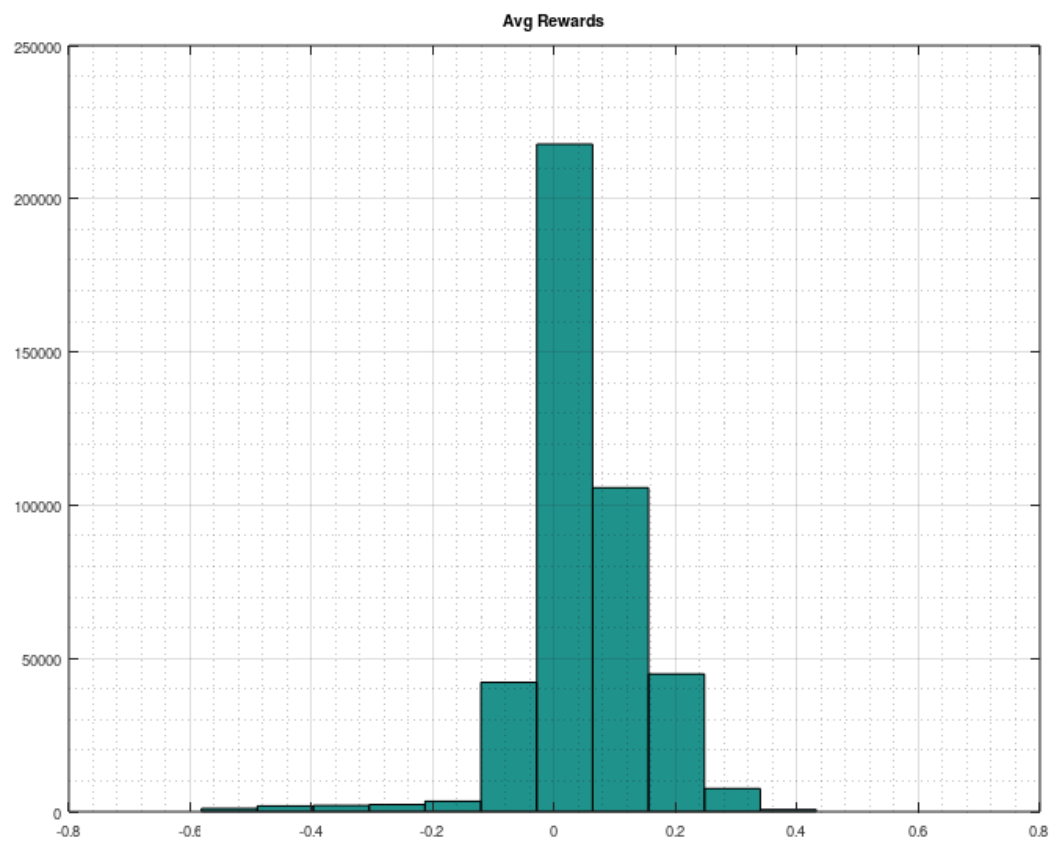
Avg Rewards notes

[Notes]

Avg Rewards chart



Avg Rewards histogram



Direction gradient

KPI	
Steps	429284
Mean	24.2
Sigma	173
RMS	175
Min	1.88
Median	2.14
Max	3.67e+03
Trend	Linear
From	24.5
To	23.9

169	502	836	1.17e+03	1.5e+03	1.84e+03	2.17e+03	2.5e+03	2.84e+03	3.17e+03	3.51e+03
422810	1182	1376	1212	1010	890	328	326	120	18	12

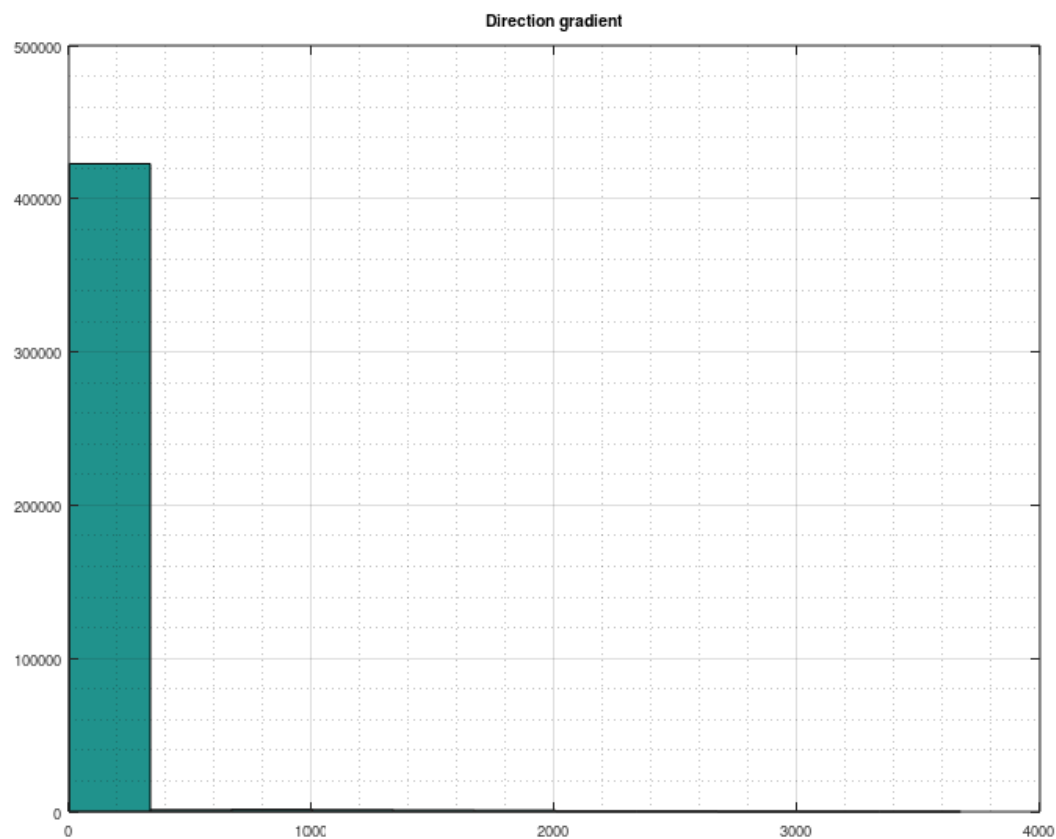
Direction gradient notes

[Notes]

Direction gradient chart



Direction gradient histogram



Speed gradient

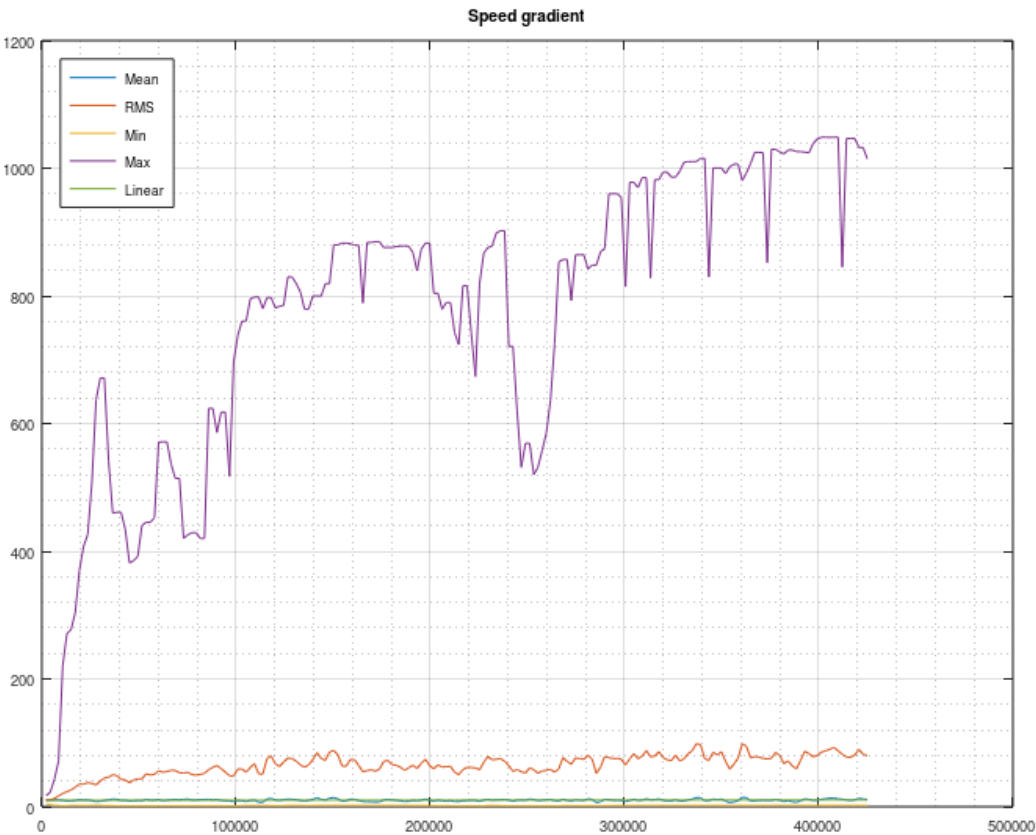
KPI											
Steps		429284									
Mean		10.1									
Sigma		65.9									
RMS		66.7									
Min		1.03									
Median		1.99									
Max		1.05e+03									
Trend		Linear									
From		9.81									
To		10.4									

48.6	144	239	334	430	525	620	715	810	906	1e+03
422180	938	1008	978	956	908	728	696	646	98	148

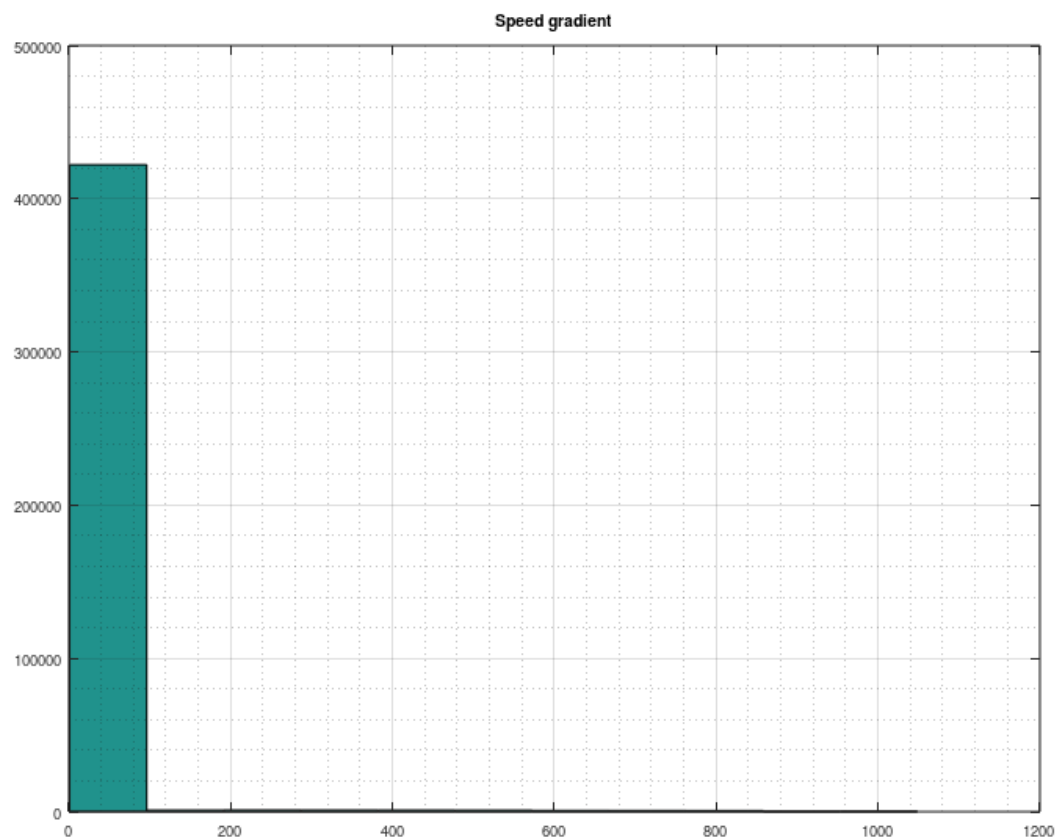
Speed gradient notes

[Notes]

Speed gradient chart



Speed gradient histogram



Sensor direction gradient

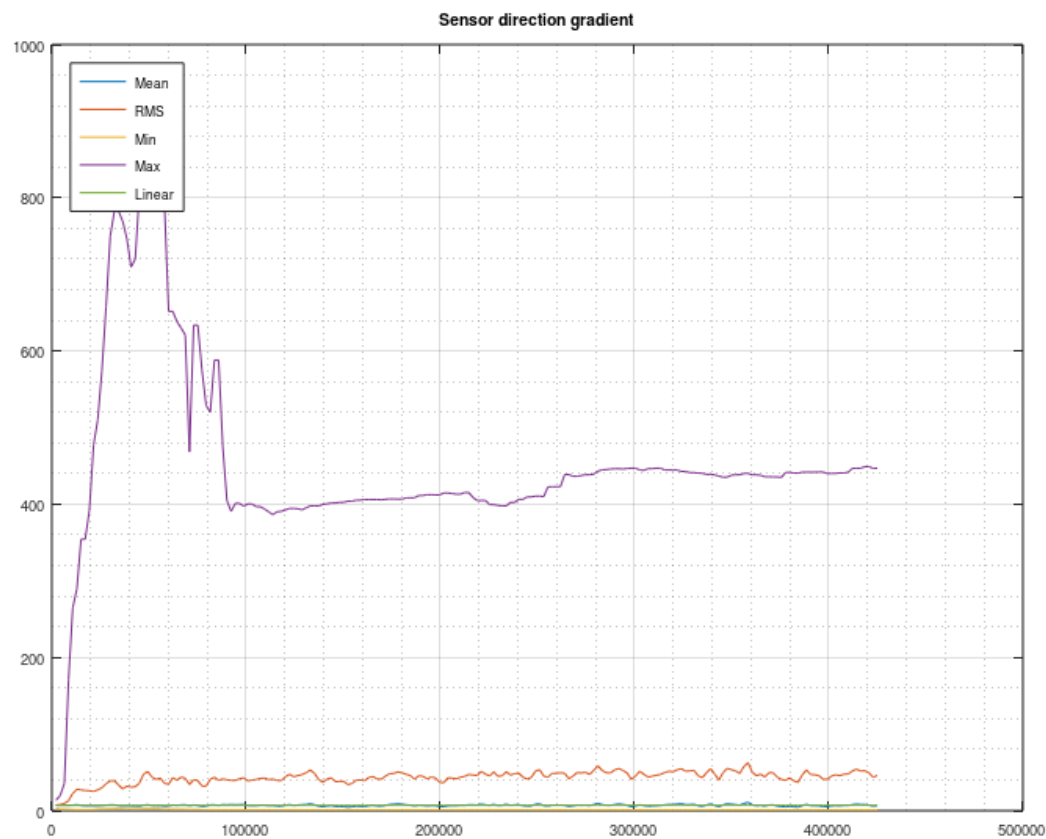
KPI	
Steps	429284
Mean	6.88
Sigma	43.5
RMS	44.1
Min	1.02
Median	1.02
Max	822
Trend	Linear
From	6.77
To	7

38.3	113	188	262	337	412	486	561	636	710	785
422268	828	396	954	2154	2528	64	18	26	20	28

Sensor direction gradient notes

[Notes]

Sensor direction gradient chart



Sensor direction gradient histogram

