

Report

18 February 2023, 14:13

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

Report folder C:\Users\marco\Desktop\wheellyj\reports\Explorer\analog-imit-2023-02-18-14-12\

▼ 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	182104
Mean	0.56
Sigma	0.258
RMS	0.617
Min	-1
Median	0.608
Max	1
Trend	Linear
From	0.463
To	0.656

-0.909	-0.727	-0.545	-0.364	-0.182	0	0.182	0.364	0.545	0.727	0.909
2014	0	0	0	0	7496	18216	4124	65814	79066	5374

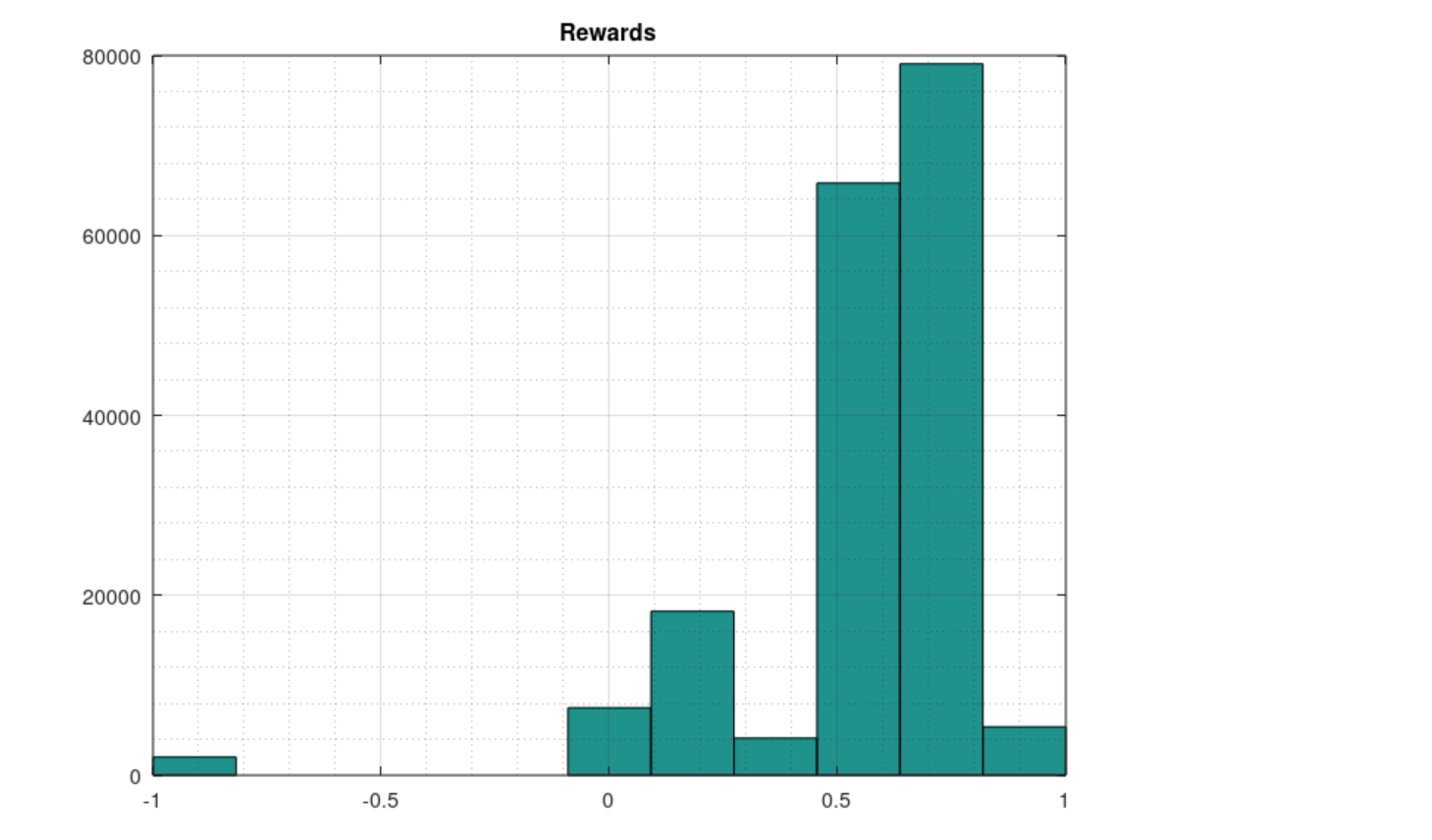
Rewards notes

[Notes]

Rewards chart



Rewards histogram



Delta

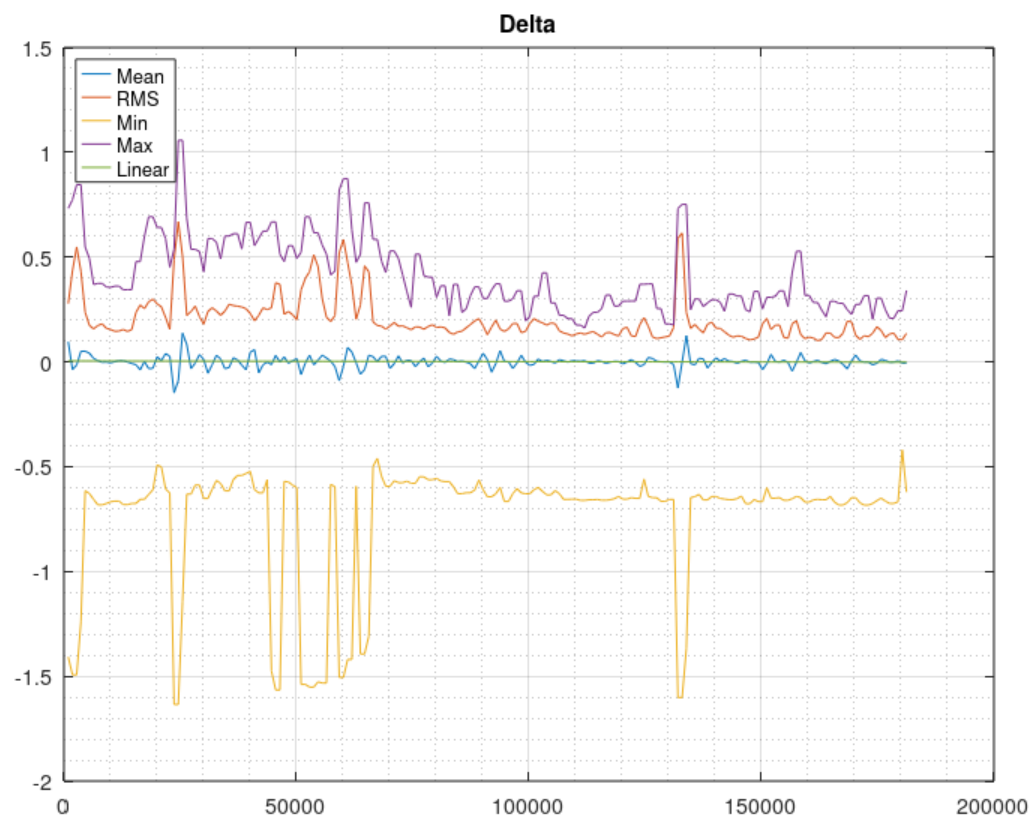
KPI	
Steps	182104
Mean	0.00141
Sigma	0.231
RMS	0.231
Min	-1.63
Median	0.0376
Max	1.06
Trend	Linear
From	0.00453
To	-0.0017

-1.51	-1.27	-1.02	-0.778	-0.534	-0.289	-0.0441	0.201	0.445	0.69	0.935
512	762	726	188	4600	19258	79828	69226	6108	846	50

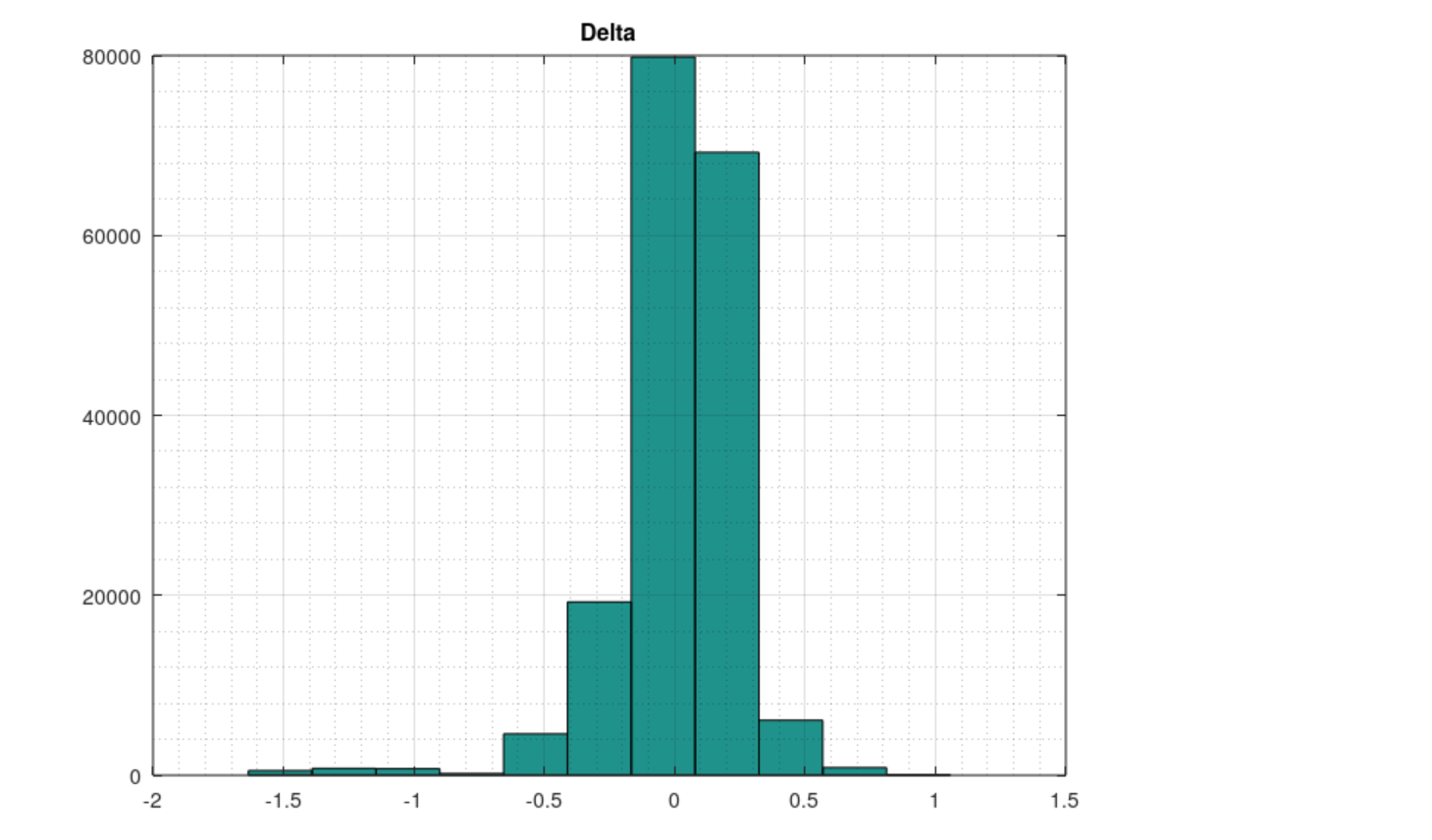
Delta notes

[Notes]

Delta chart



Delta histogram



Discount 0.999 rewards

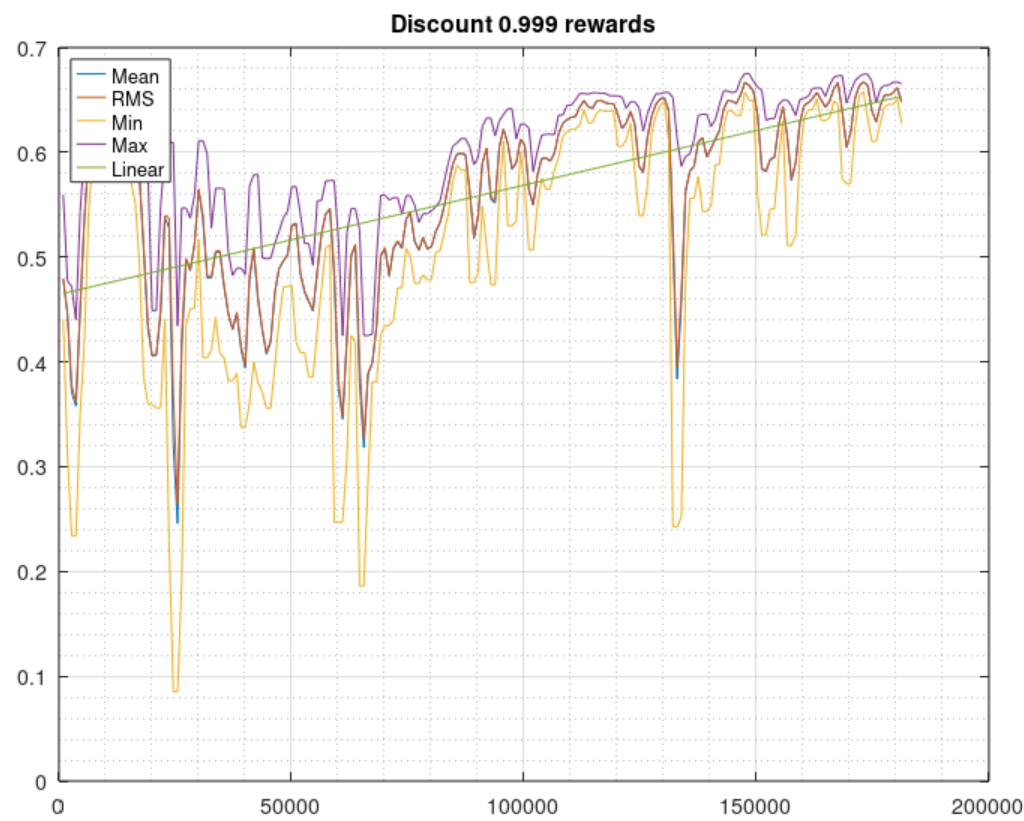
KPI										
Steps					182104					
Mean					0.559					
Sigma					0.0967					
RMS					0.568					
Min					0.0853					
Median					0.588					
Max					0.675					
Trend					Linear					
From					0.464					
To					0.654					

0.112	0.166	0.219	0.273	0.327	0.38	0.434	0.487	0.541	0.595	0.648
236	432	992	1522	3025	8514	13369	24085	28614	36096	65219

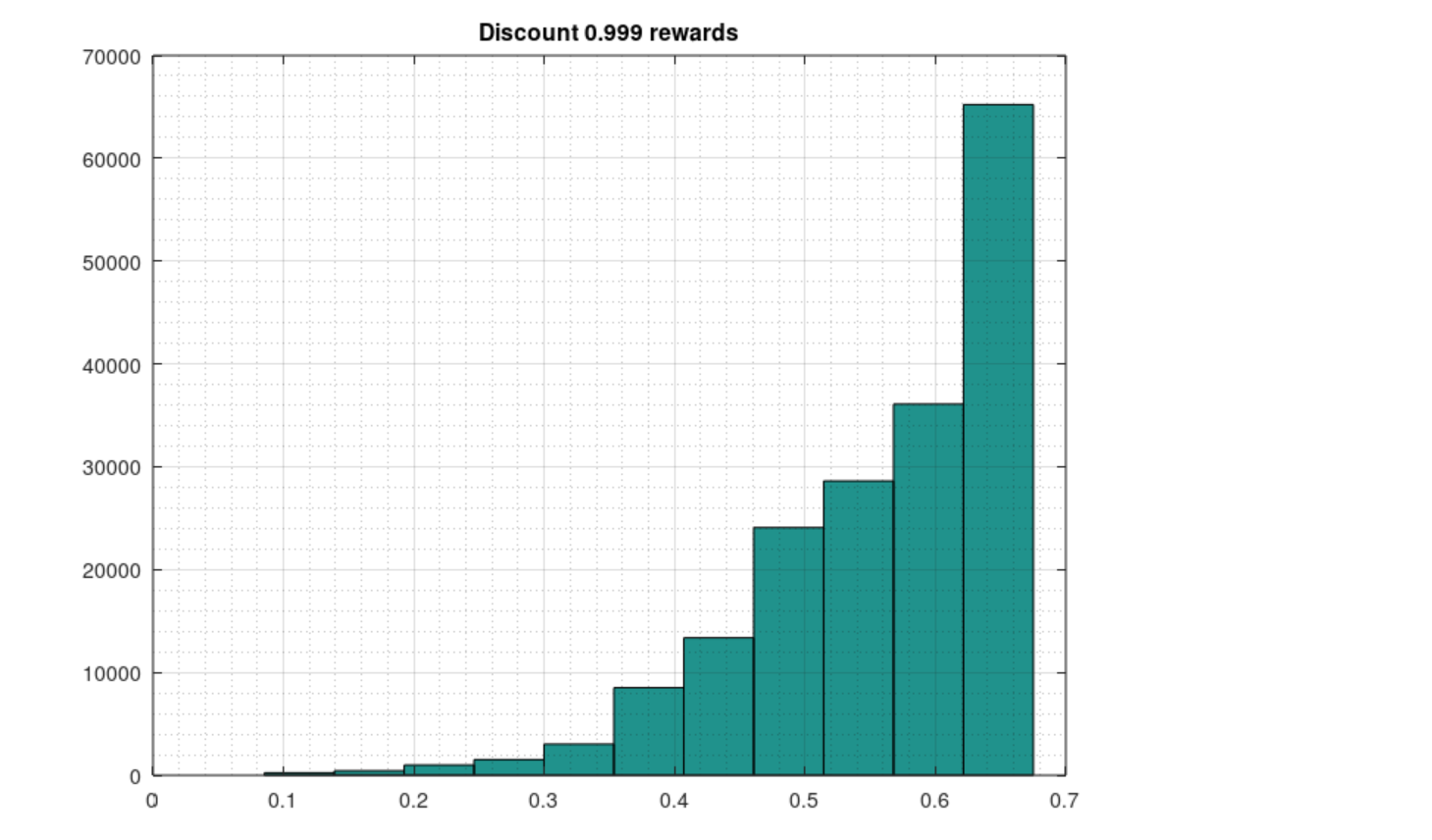
Discount 0.999 rewards notes

[Notes]

Discount 0.999 rewards chart



Discount 0.999 rewards histogram



Direction max prob.

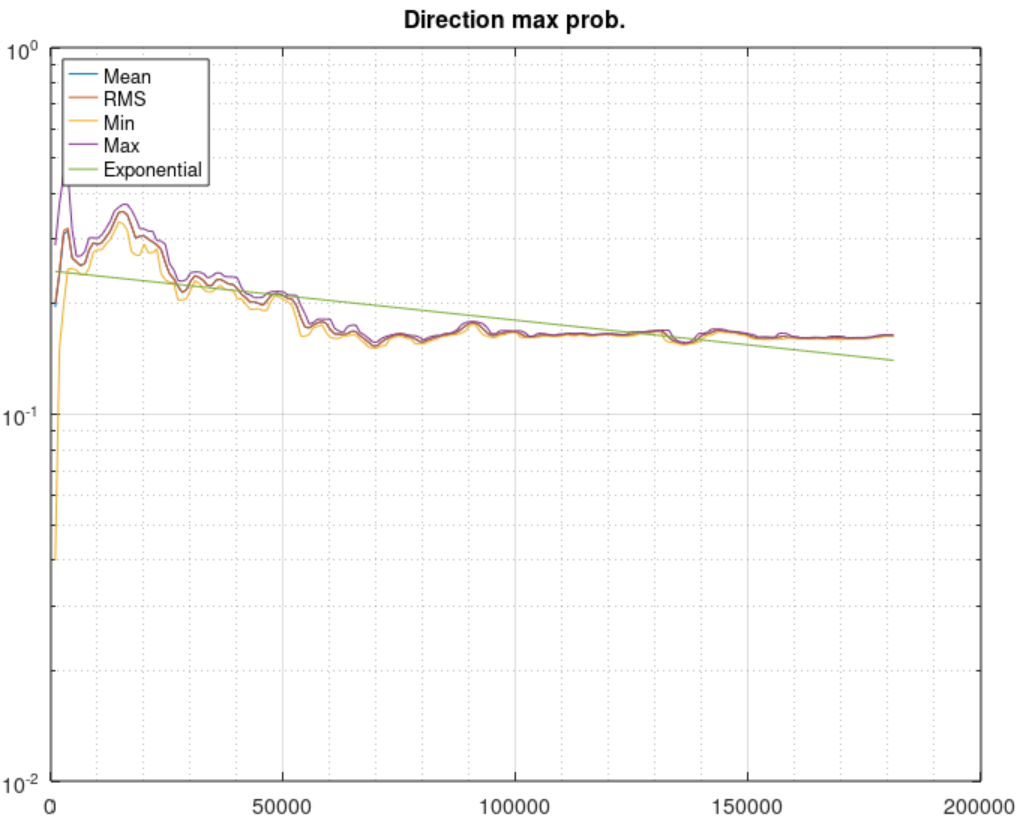
KPI	
Steps	182104
Mean	0.19
Sigma	0.0485
RMS	0.196
Min	0.04
Median	0.166
Max	0.45
Trend	Exponential
From	0.246
To	0.14

0.0586	0.0959	0.133	0.171	0.208	0.245	0.282	0.32	0.357	0.394	0.432
54	26	356	129158	19290	14078	9590	5674	3566	124	188

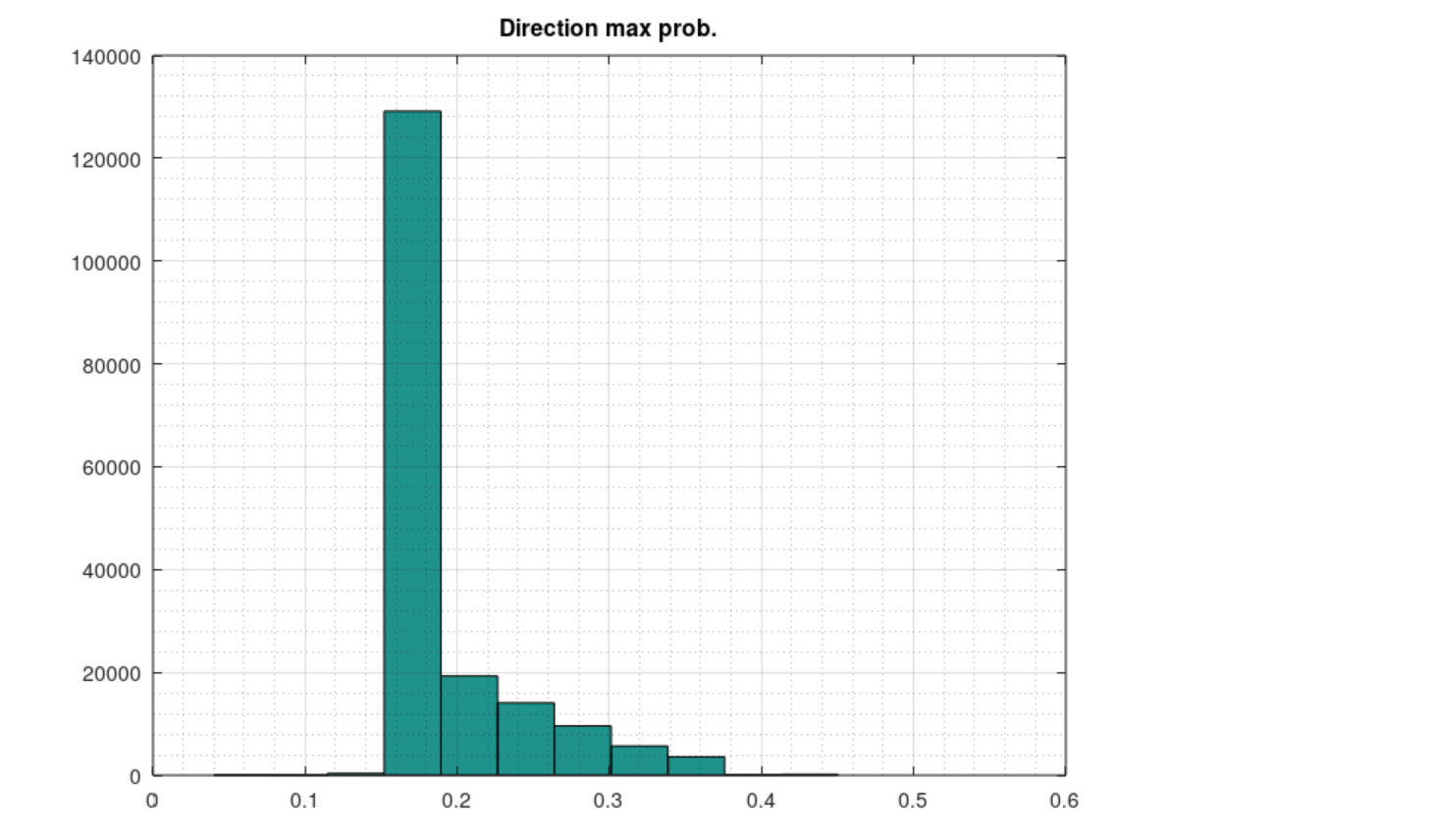
Direction max prob. notes

[Notes]

Direction max prob. chart



Direction max prob. histogram



Speed max prob.

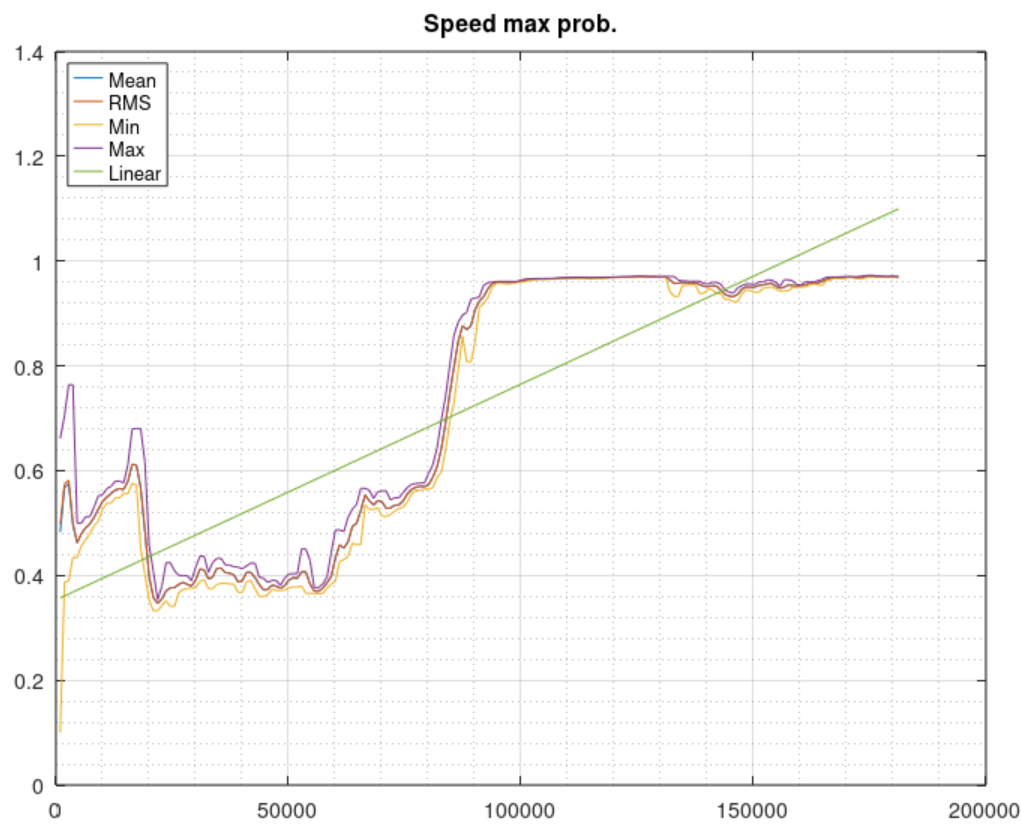
KPI										
Steps										182104
Mean										0.728
Sigma										0.251
RMS										0.77
Min										0.1
Median										0.924
Max										0.973
Trend										Linear
From										0.353
To										1.1

0.14	0.219	0.298	0.378	0.457	0.536	0.616	0.695	0.774	0.854	0.933
66	34	68	38058	11874	25858	6728	1898	1638	3174	92708

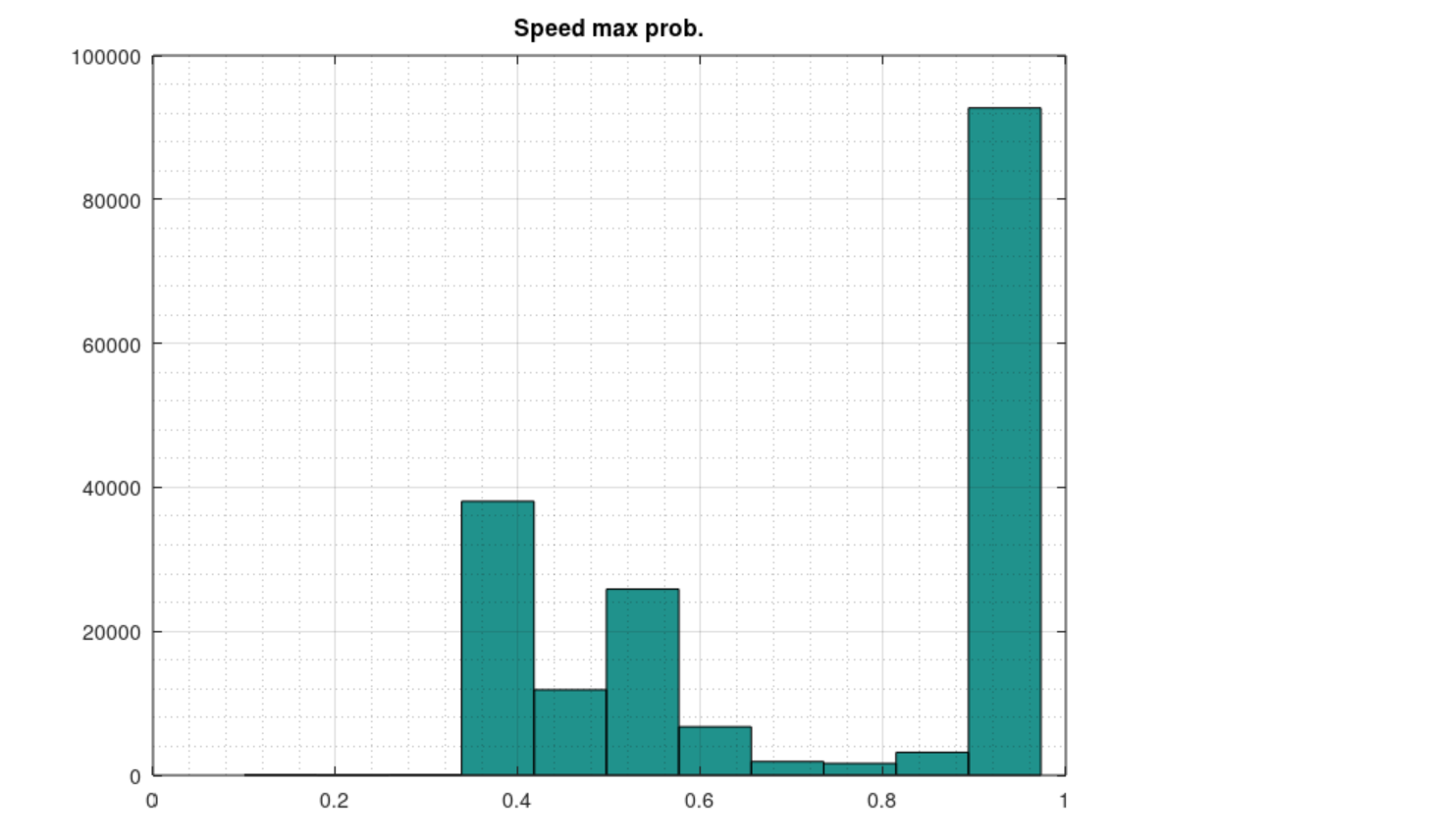
Speed max prob. notes

[Notes]

Speed max prob. chart



Speed max prob. histogram



Sensor direction max prob.

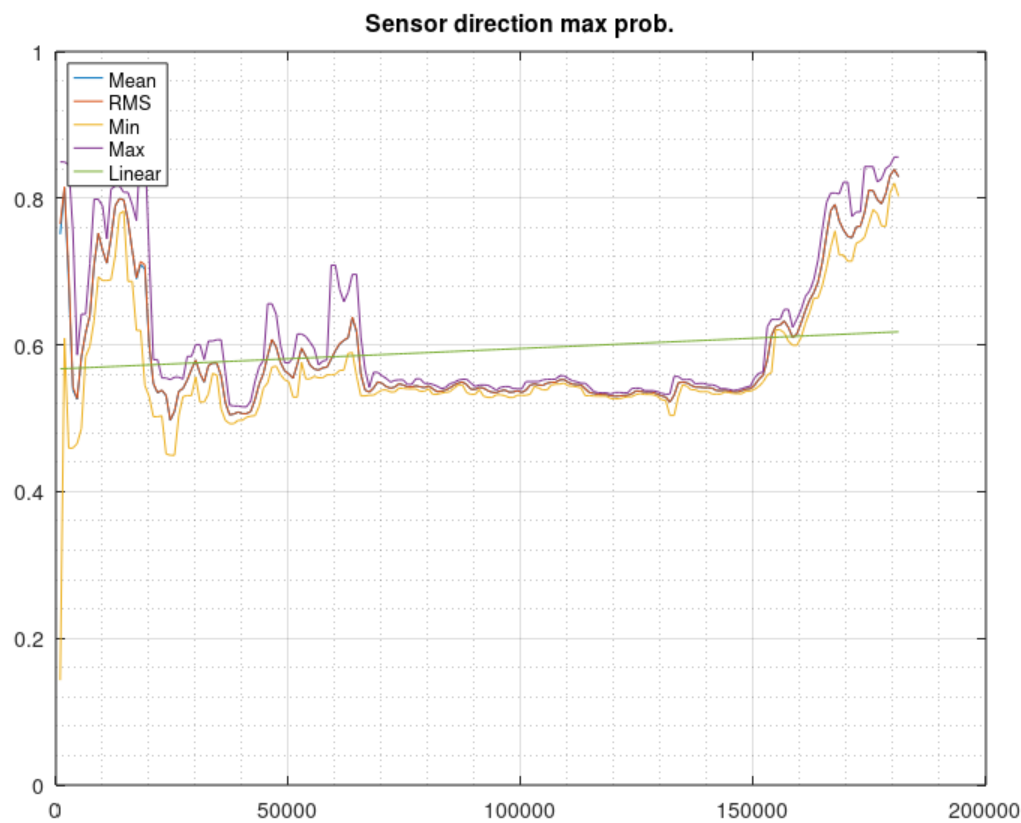
KPI										
Steps					182104					
Mean					0.593					
Sigma					0.091					
RMS					0.6					
Min					0.143					
Median					0.548					
Max					0.873					
Trend					Linear					
From					0.567					
To					0.618					

0.176	0.242	0.309	0.375	0.442	0.508	0.574	0.641	0.707	0.773	0.84
16	10	12	88	310	63298	70142	15856	8902	15504	7966

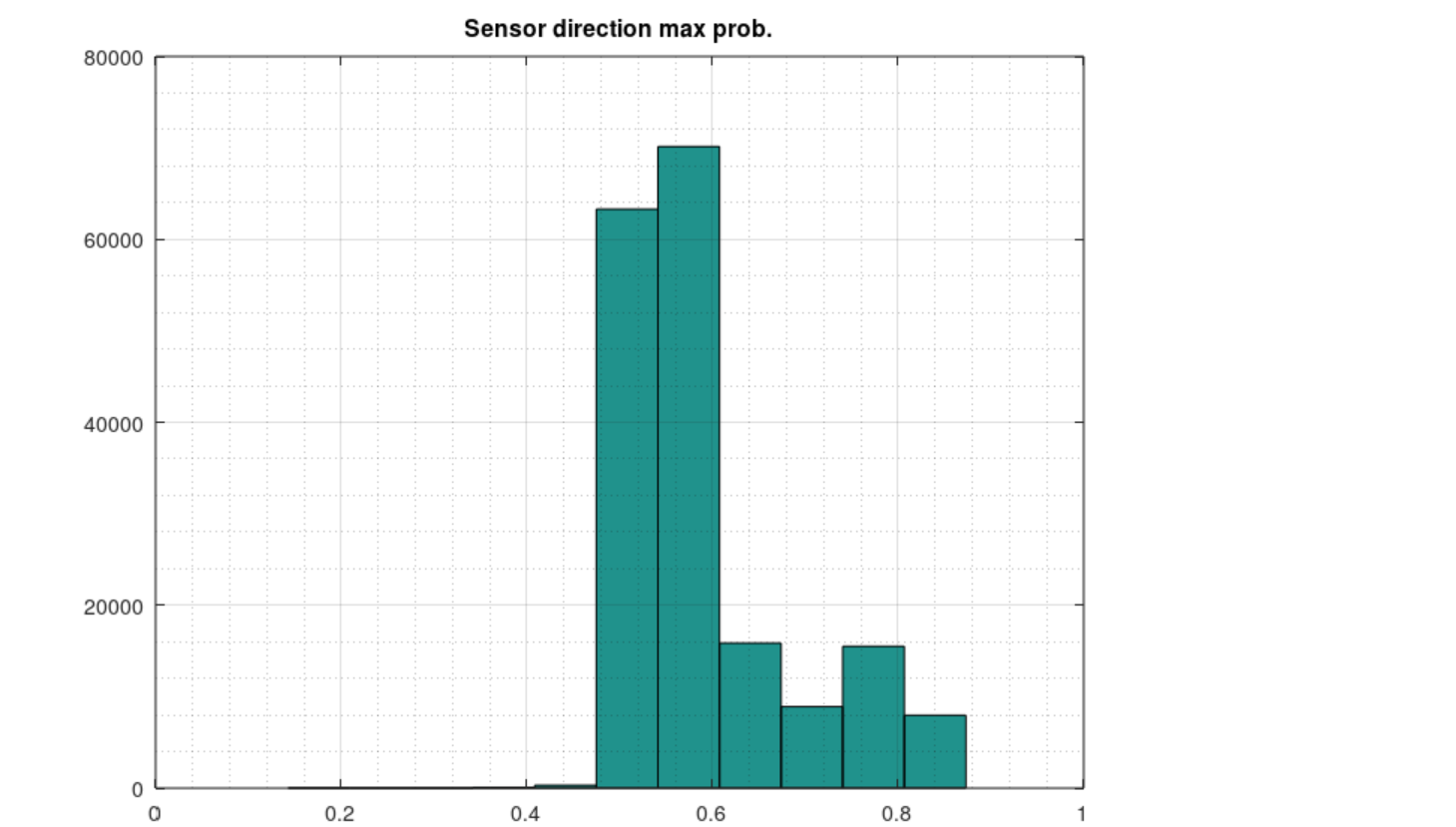
Sensor direction max prob. notes

[Notes]

Sensor direction max prob. chart



Sensor direction max prob. histogram



Delta direction prob.

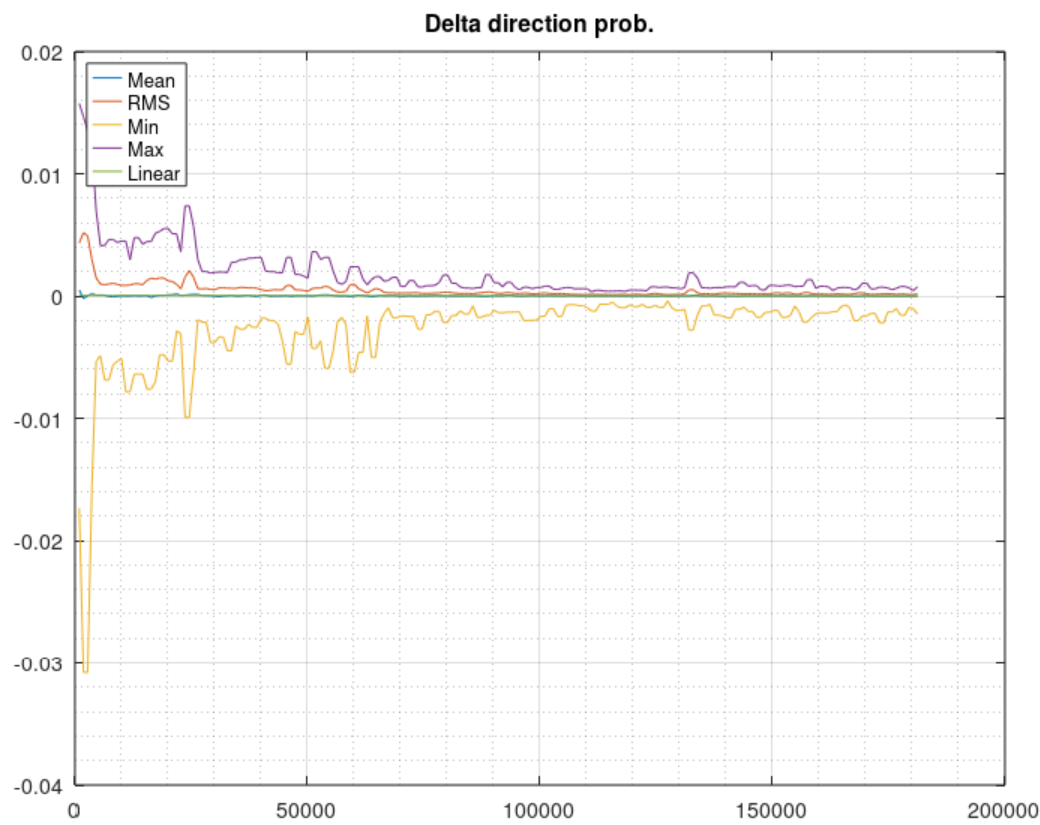
KPI	
Steps	182104
Mean	1.22e-05
Sigma	0.000849
RMS	0.000849
Min	-0.0308
Median	9.18e-06
Max	0.0157
Trend	Linear
From	4.24e-05
To	-1.8e-05

-0.0287	-0.0244	-0.0202	-0.016	-0.0118	-0.00752	-0.00329	0.000942	0.00517	0.0094	0.0136
2	2	10	22	56	268	4728	175832	972	172	40

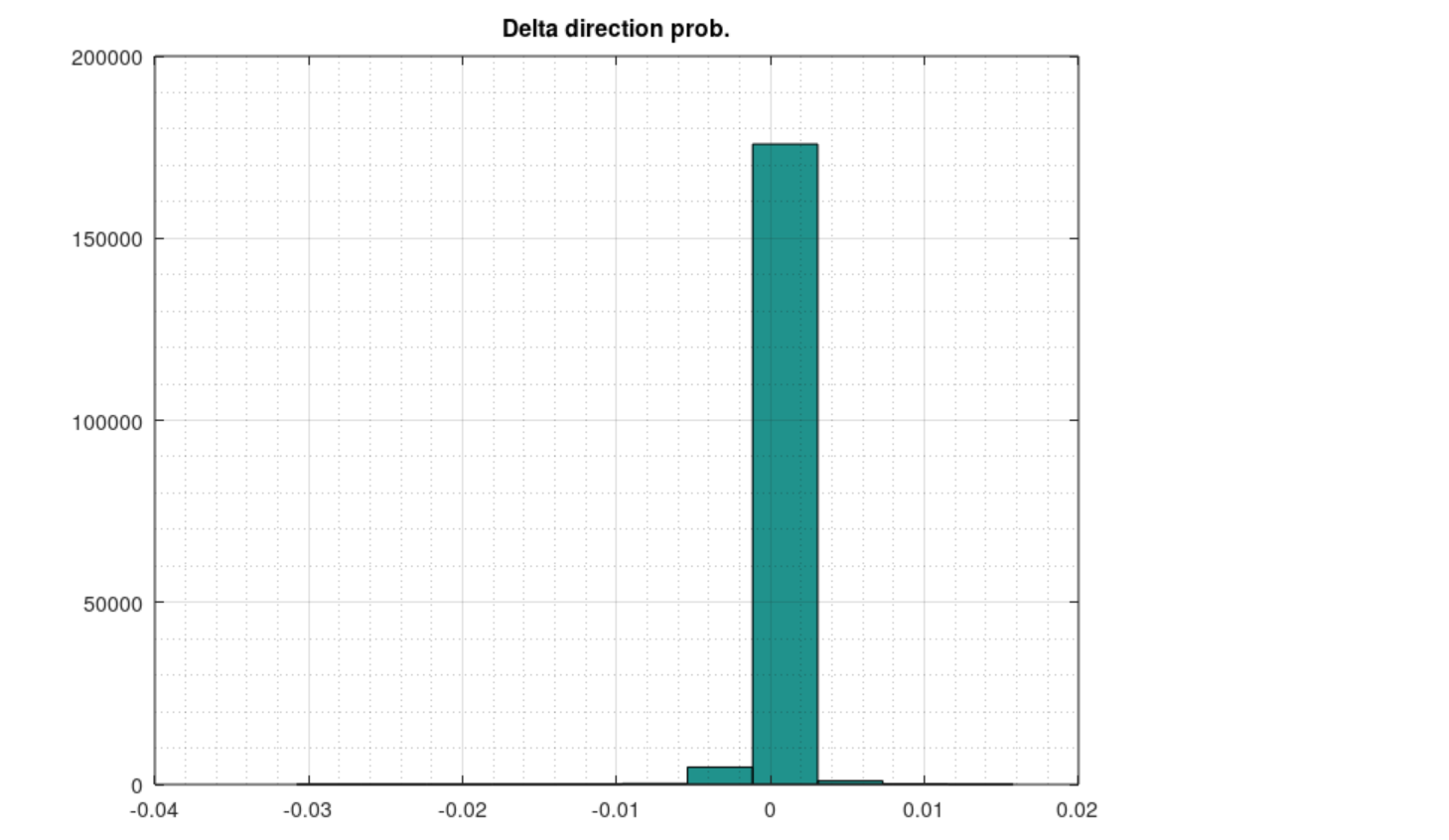
Delta direction prob. notes

[Notes]

Delta direction prob. chart



Delta direction prob. histogram



Delta speed prob.

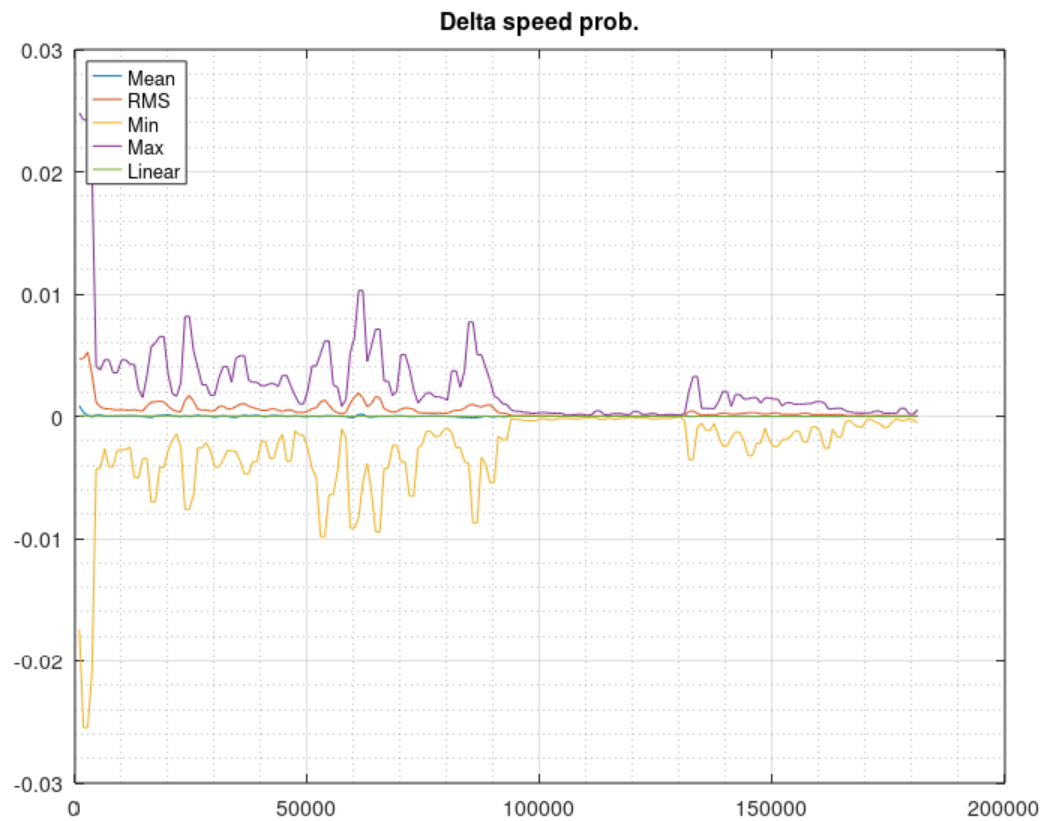
KPI	
Steps	182104
Mean	8.24e-06
Sigma	0.000896
RMS	0.000896
Min	-0.0255
Median	2.28e-06
Max	0.0248
Trend	Linear
From	4.07e-05
To	-2.42e-05

-0.0232	-0.0186	-0.014	-0.00947	-0.0049	-0.000333	0.00424	0.00881	0.0134	0.0179	0.0225
6	14	46	122	1164	178410	1994	230	78	24	16

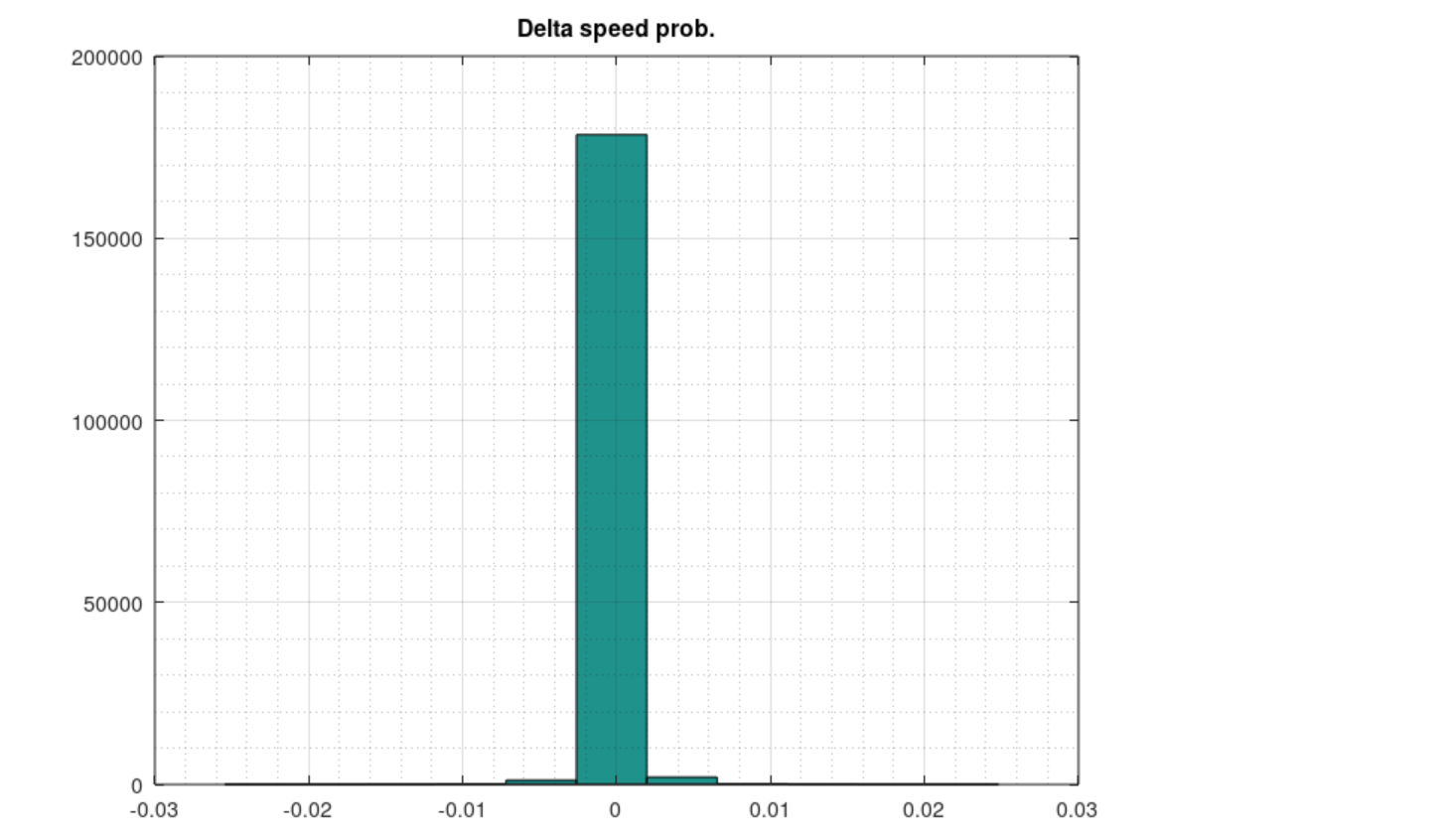
Delta speed prob. notes

[Notes]

Delta speed prob. chart



Delta speed prob. histogram



Delta sensor direction prob.

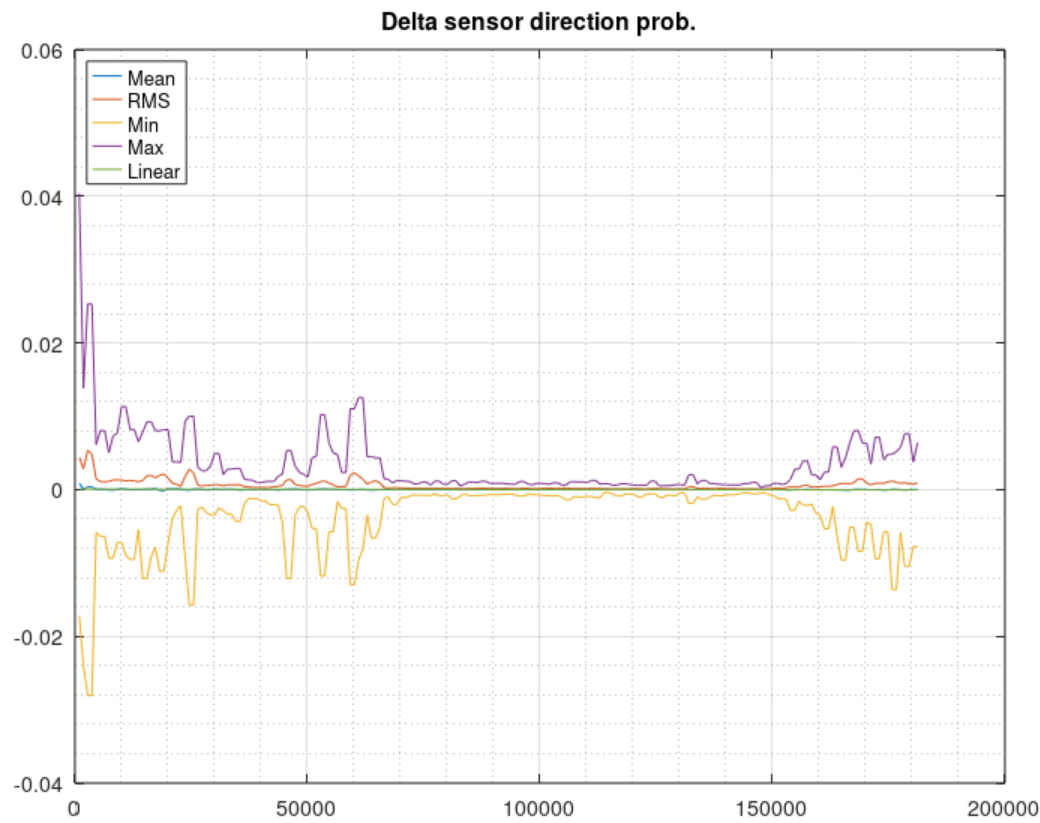
KPI	
Steps	182104
Mean	1.21e-05
Sigma	0.00103
RMS	0.00103
Min	-0.0281
Median	3.23e-06
Max	0.0404
Trend	Linear
From	6.07e-05
To	-3.66e-05

-0.0249	-0.0187	-0.0125	-0.00628	-5.16e-05	0.00617	0.0124	0.0186	0.0248	0.0311	0.0373
6	20	132	1206	179236	1296	144	46	12	4	2

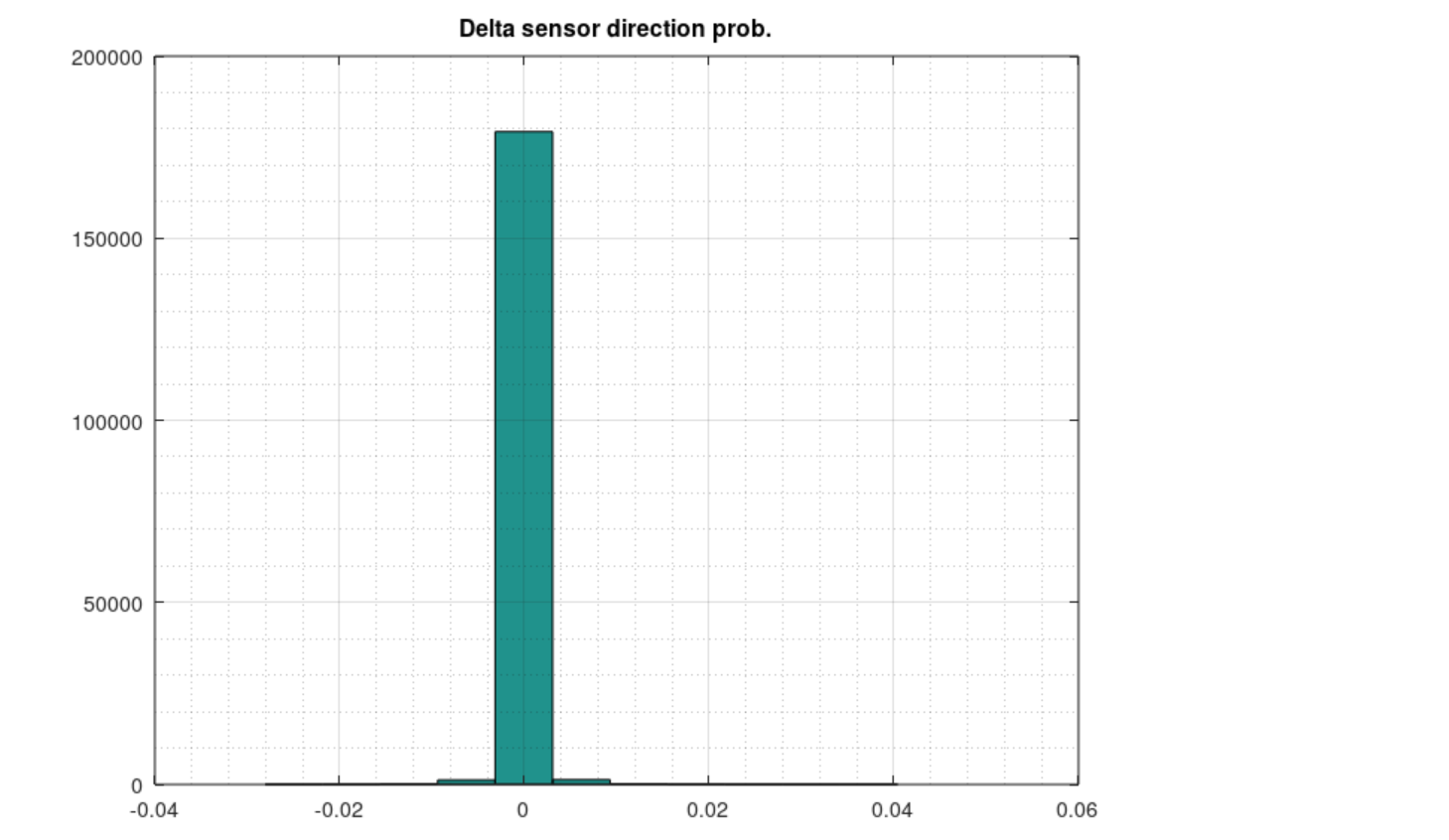
Delta sensor direction prob. notes

[Notes]

Delta sensor direction prob. chart



Delta sensor direction prob. histogram



Advantage residual estimation (critic)

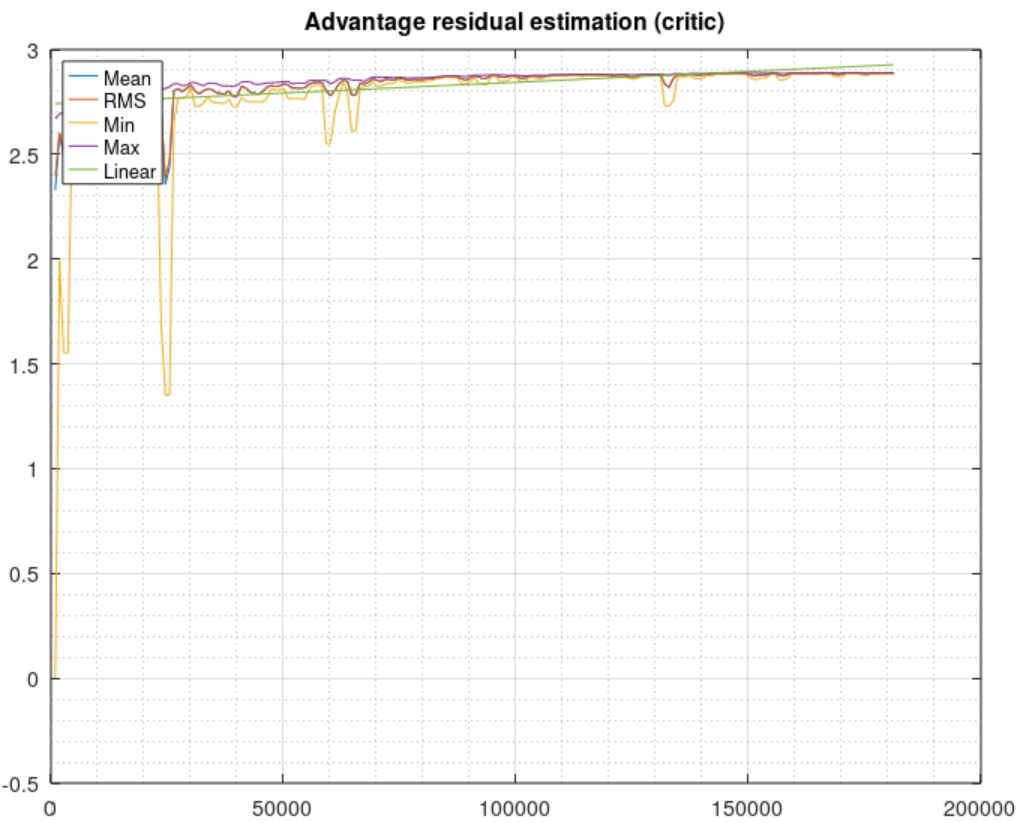
KPI	
Steps	182104
Mean	2.83
Sigma	0.116
RMS	2.84
Min	-2.07e-05
Median	2.87
Max	2.89
Trend	Linear
From	2.74
To	2.93

0.131	0.394	0.657	0.919	1.18	1.44	1.71	1.97	2.23	2.5	2.76
32	32	18	28	26	62	298	532	744	2086	178246

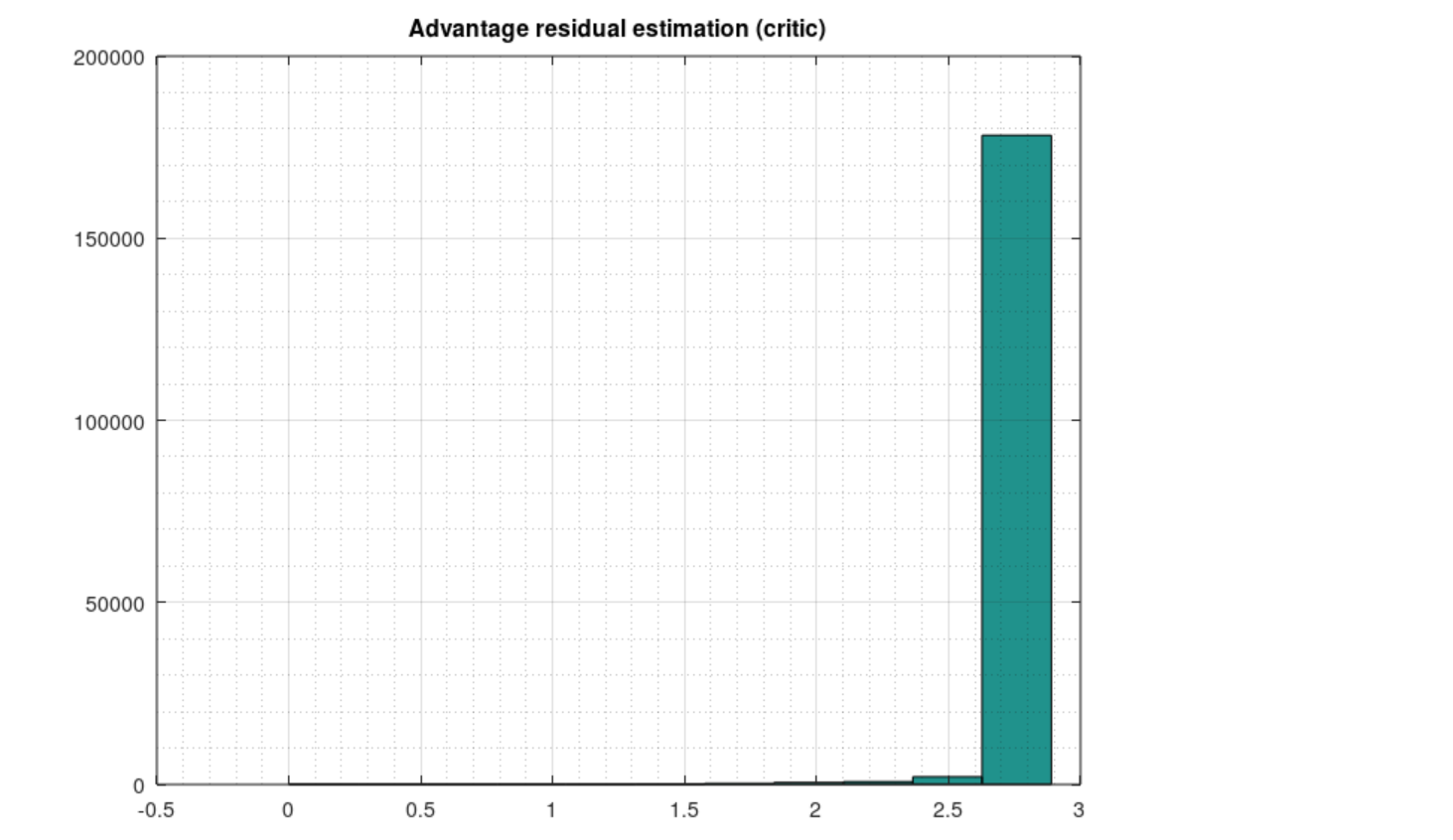
Advantage residual estimation (critic) notes

[Notes]

Advantage residual estimation (critic) chart



Advantage residual estimation (critic) histogram



Delta Advantage residual estimation (critic)

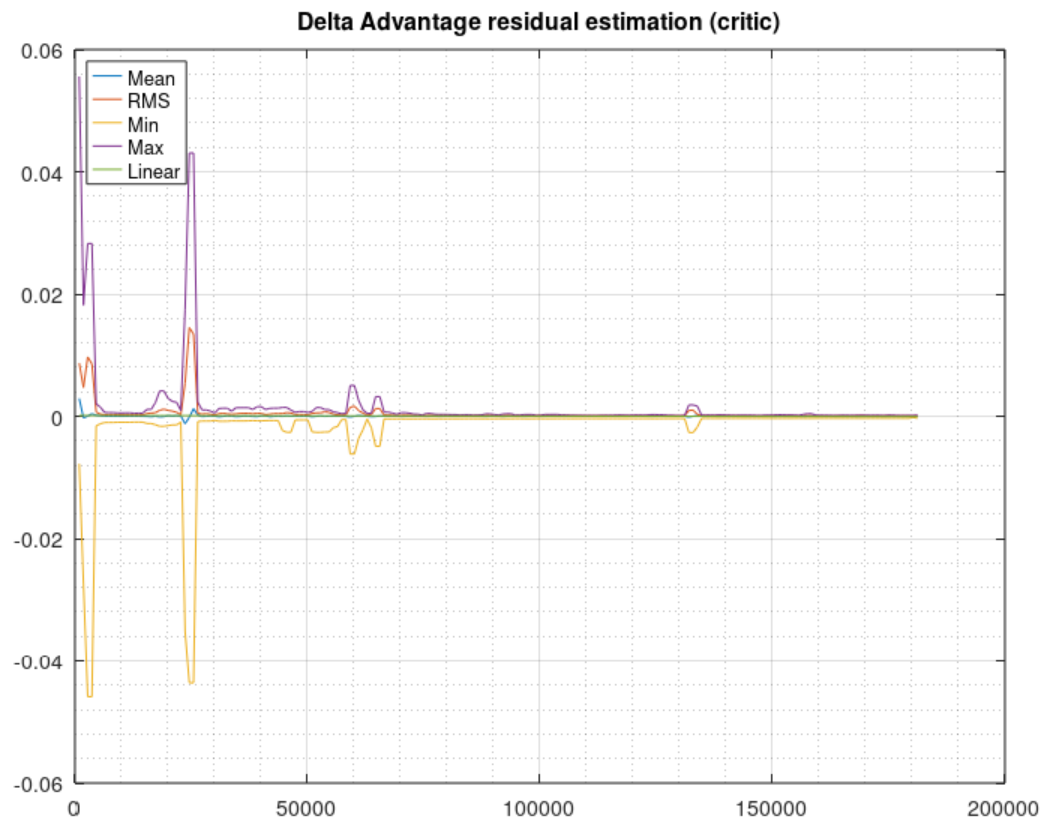
KPI										
Steps					182104					
Mean					3.17e-05					
Sigma					0.00198					
RMS					0.00198					
Min					-0.0459					
Median					2.86e-05					
Max					0.0556					
Trend					Linear					
From					0.000123					
To					-6e-05					

-0.0413	-0.032	-0.0228	-0.0136	-0.00437	0.00486	0.0141	0.0233	0.0325	0.0418	0.051
56	108	180	162	161494	19382	430	192	58	30	12

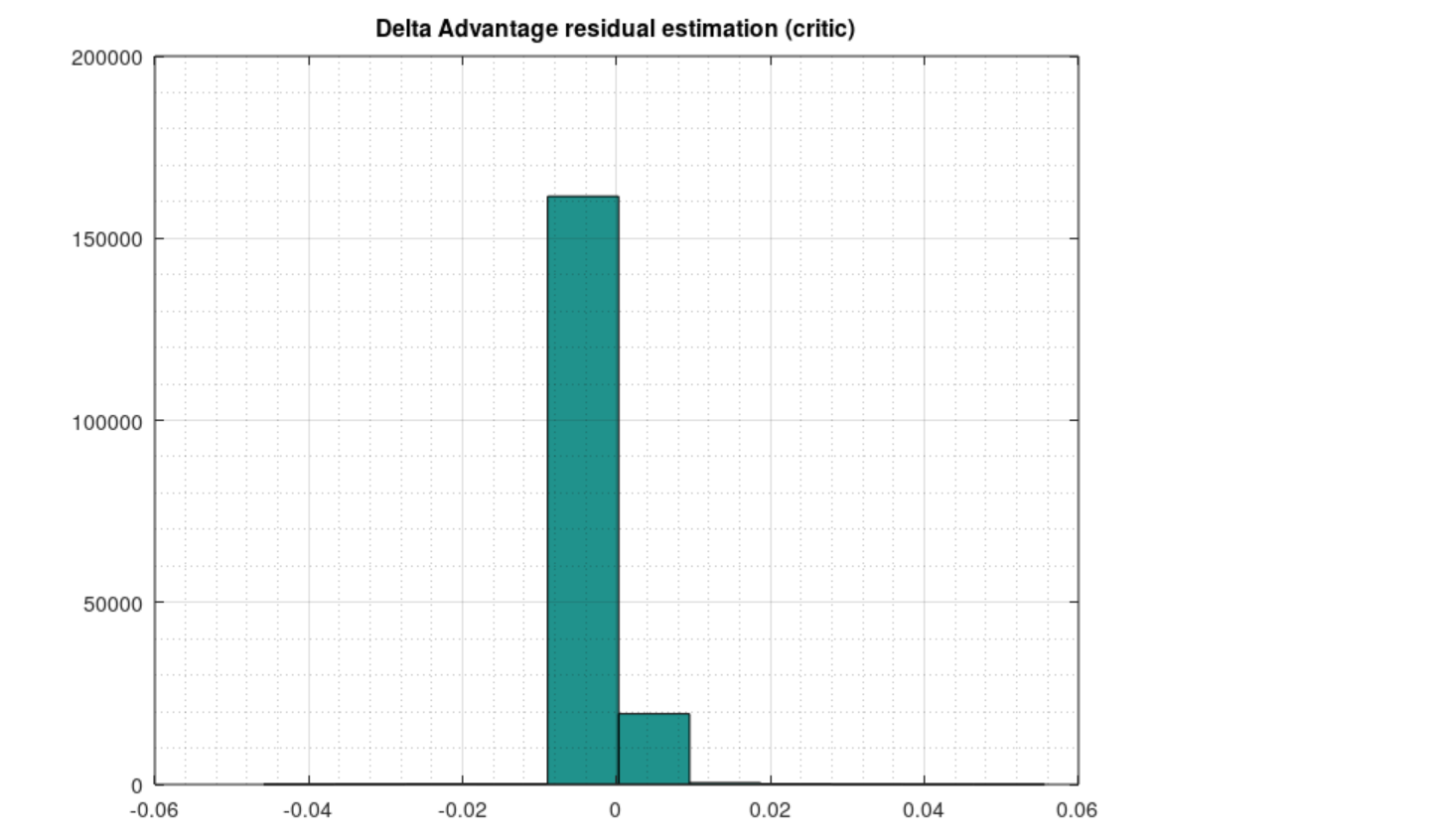
Delta Advantage residual estimation (critic) notes

[Notes]

Delta Advantage residual estimation (critic) chart



Delta Advantage residual estimation (critic) histogram



Avg Rewards

KPI	
Steps	182104
Mean	0.558
Sigma	0.12
RMS	0.571
Min	-0.123
Median	0.598
Max	0.686
Trend	Linear
From	0.459
To	0.658

-0.086	-0.0125	0.061	0.134	0.208	0.281	0.355	0.428	0.502	0.575	0.649
204	782	1058	1248	1124	3590	8492	15860	26184	41068	82494

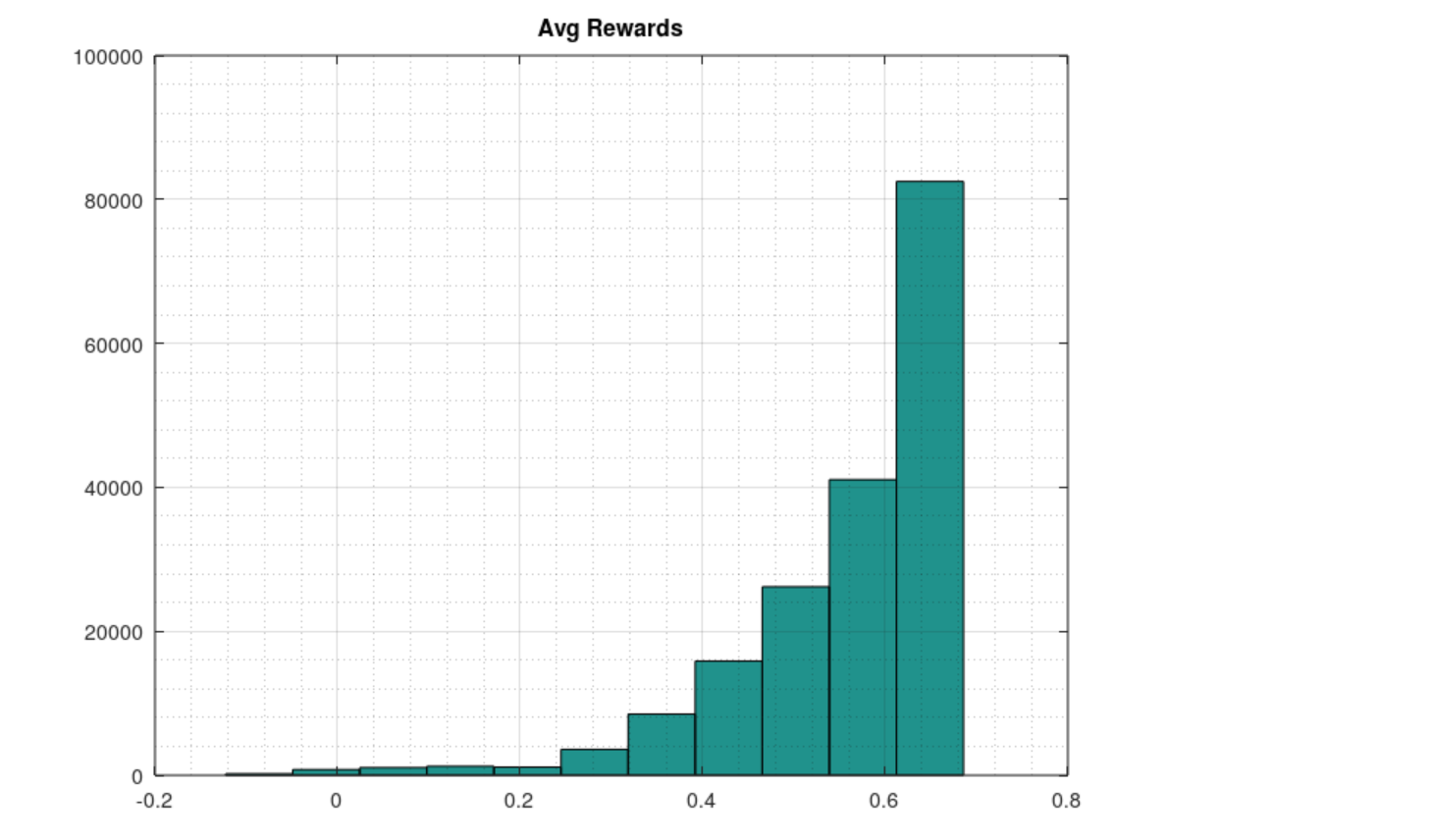
Avg Rewards notes

[Notes]

Avg Rewards chart



Avg Rewards histogram



Direction gradient

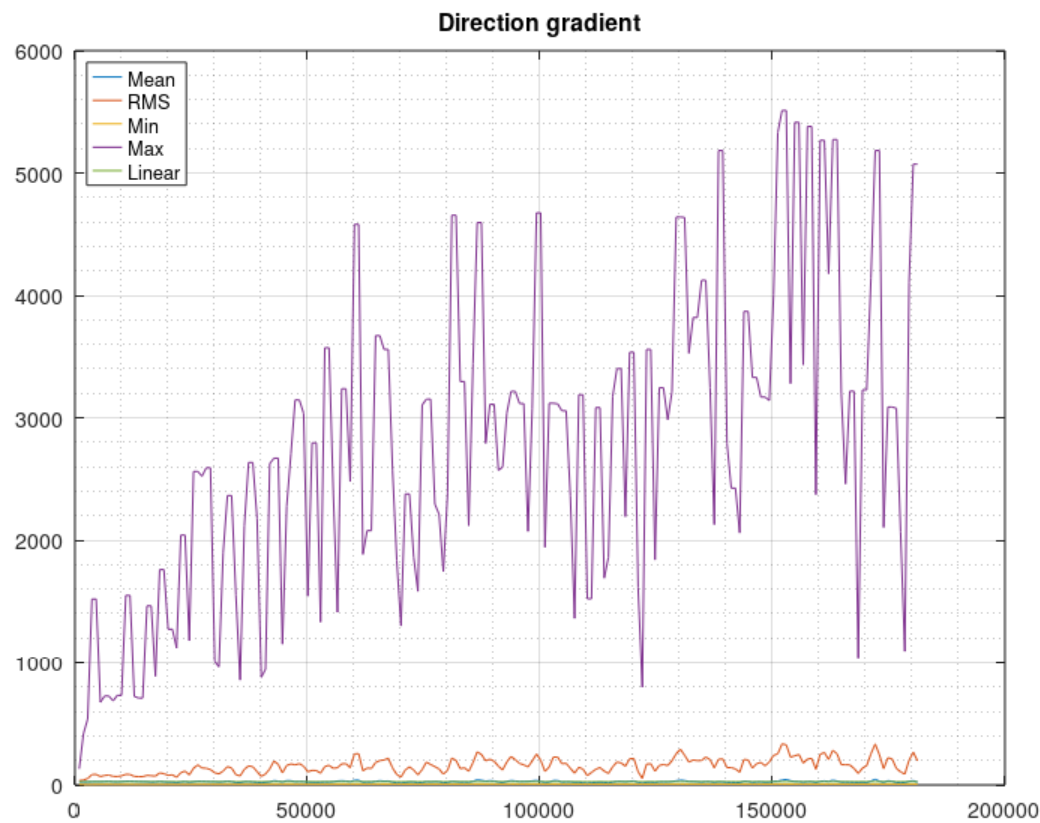
KPI	
Steps	182104
Mean	25.5
Sigma	164
RMS	166
Min	2.23
Median	6.69
Max	5.51e+03
Trend	Linear
From	25.4
To	25.7

253	753	1.25e+03	1.75e+03	2.26e+03	2.76e+03	3.26e+03	3.76e+03	4.26e+03	4.76e+03	5.26e+03
180342	988	246	172	138	58	102	18	8	12	20

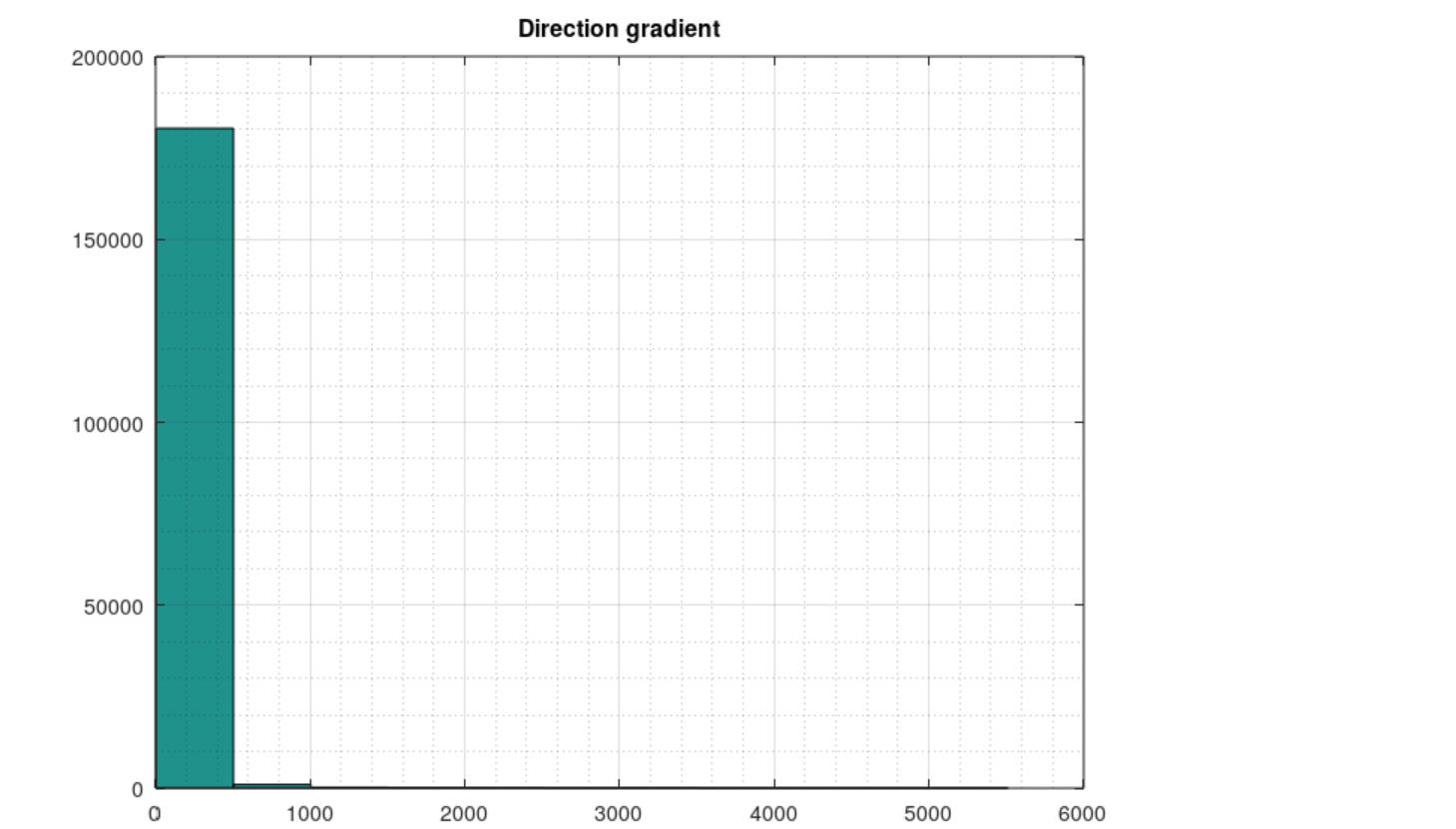
Direction gradient notes

[Notes]

Direction gradient chart



Direction gradient histogram



Speed gradient

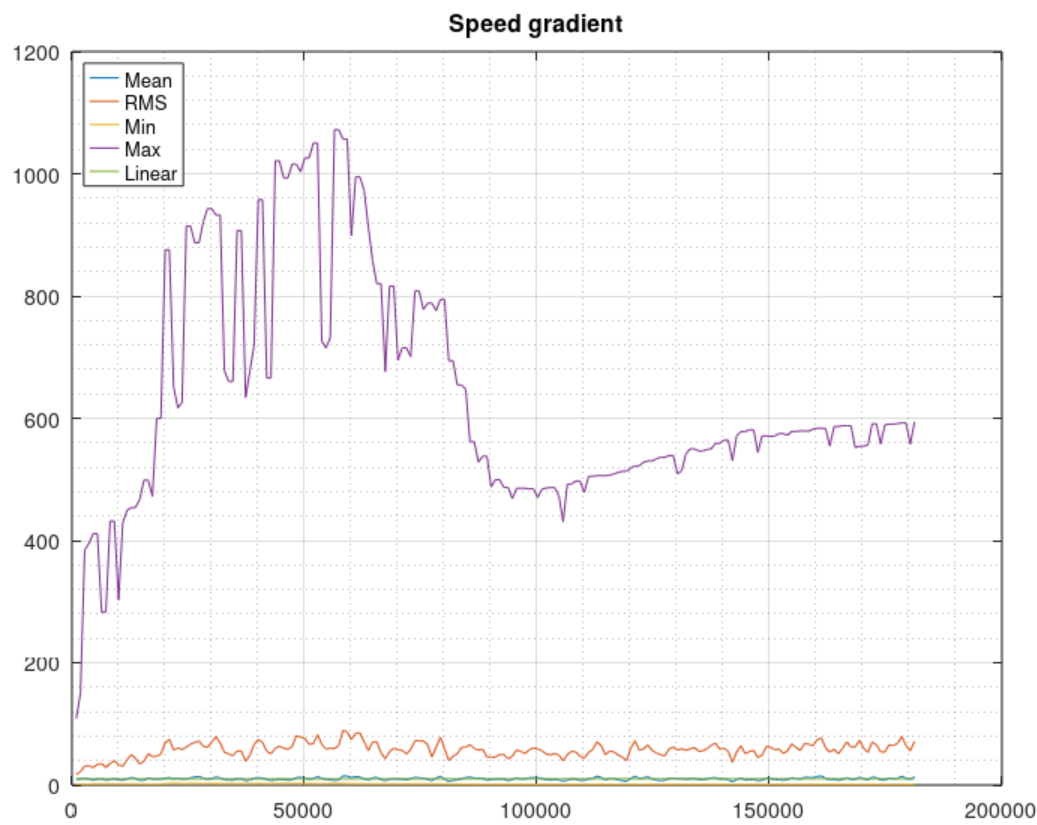
KPI										
Steps										182104
Mean										10.1
Sigma										57.8
RMS										58.7
Min										1.03
Median										1.16
Max										1.07e+03
Trend										Linear
From										9.95
To										10.2

49.7	147	244	342	439	537	634	731	829	926	1.02e+03
178240	870	630	824	582	664	124	84	42	24	20

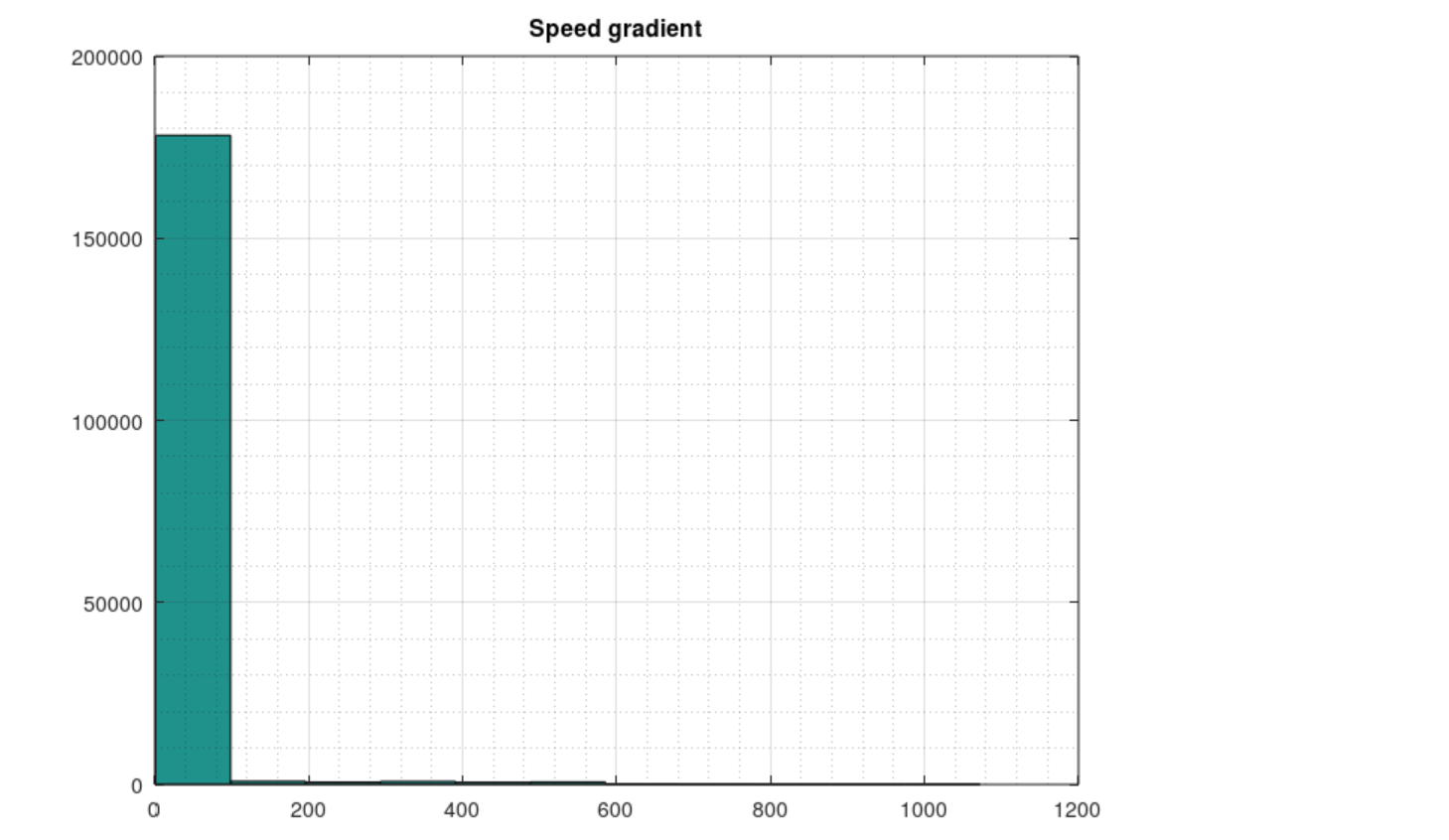
Speed gradient notes

[Notes]

Speed gradient chart



Speed gradient histogram



Sensor direction gradient

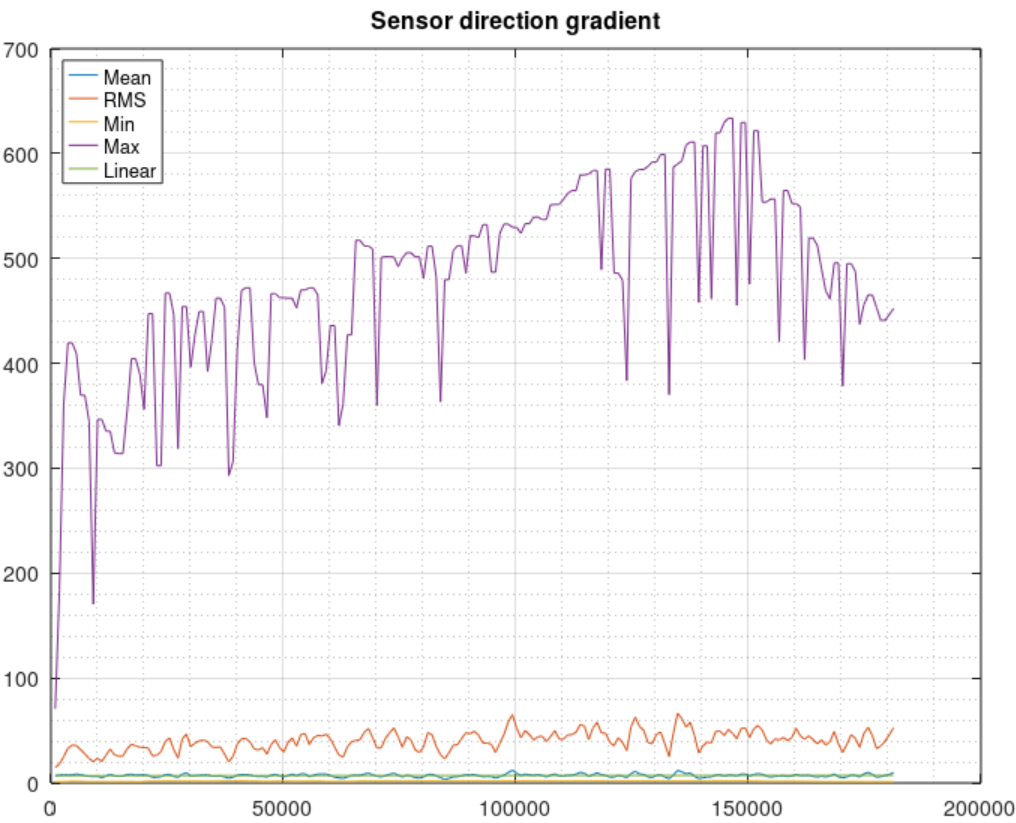
KPI	
Steps	182104
Mean	7.03
Sigma	40.4
RMS	41
Min	1.15
Median	1.87
Max	634
Trend	Linear
From	6.88
To	7.18

29.9	87.4	145	202	260	317	375	432	490	547	605
178844	658	344	286	456	498	466	166	246	66	74

Sensor direction gradient notes

[Notes]

Sensor direction gradient chart



Sensor direction gradient histogram

