Report

25 November 2022, 12:09

Data folder `C:\Users\marco\Desktop\wheellyj\data\kpis\`

Rewards

KPI	
Steps	96000
Mean	0.0466
Sigma	0.215
RMS	0.22
Min	-1
Median	0
Max	0.5
Trend	Linear
From	-0.0479
To	0.141

-0.932	-0.795	-0.659	-0.523	-0.386	-0.25	-0.114	0.0227	0.159	0.295	0.432
2378	0	0	0	0	0	0	70594	7312	9392	6324

Rewards notes

Rewards chart

Rewards histogram

Rewards
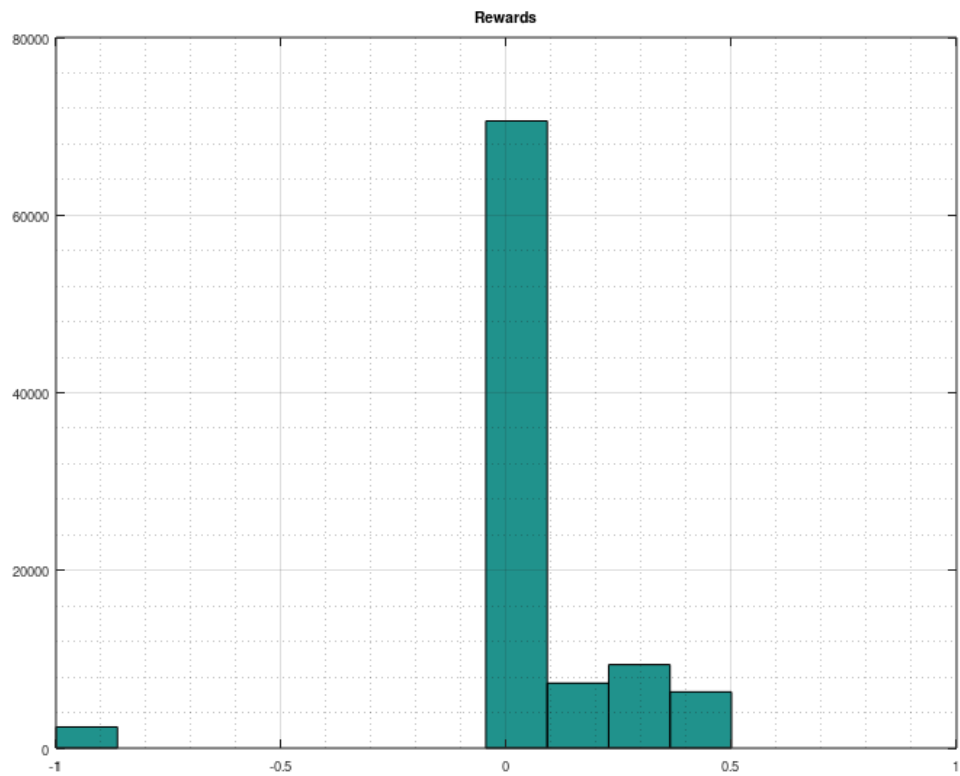
Delta

KPI	
Steps	96000
Mean	0.000647
Sigma	0.195
RMS	0.195
Min	-1.27
Median	-0.0169
Max	0.666
Trend	Linear
From	-0.000146
To	0.00144

-1.19	-1.01	-0.834	-0.657	-0.481	-0.304	-0.128	0.0487	0.225	0.402	0.578
222	986	858	312	0	2196	22202	47266	20710	1230	18

Delta notes

[Notes]

Delta chart
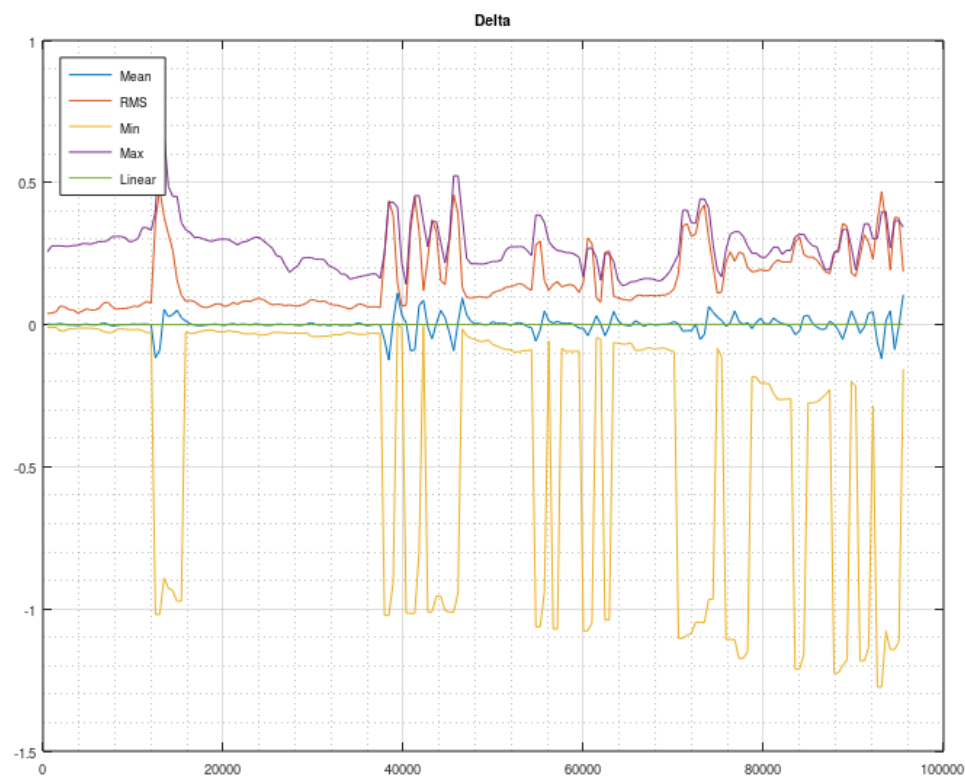
Delta histogram
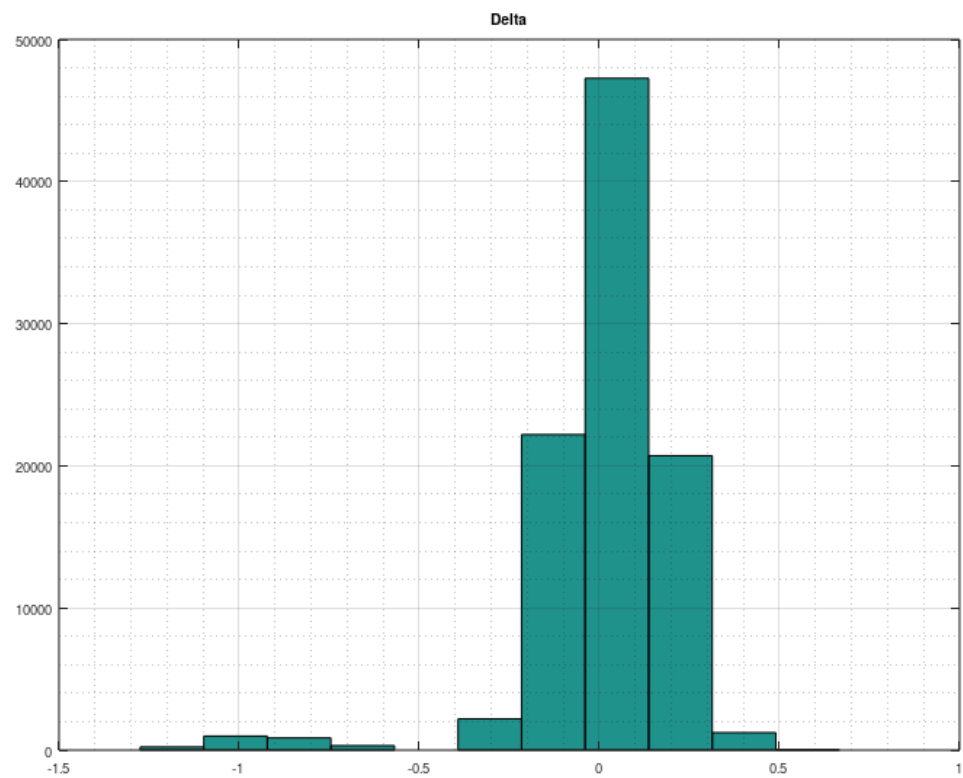
Discount 0.999 rewards

KPI	
Steps	96000
Mean	0.0459
Sigma	0.0823
RMS	0.0942
Min	-0.203
Median	0.0267
Max	0.256
Trend	Linear
From	-0.0465
To	0.138

-0.182	-0.141	-0.0988	-0.0571	-0.0154	0.0264	0.0681	0.11	0.152	0.193	0.235
733	2078	3262	4720	5406	43638	17928	2714	4016	6744	4761

Discount 0.999 rewards notes

[Notes]

Discount 0.999 rewards chart
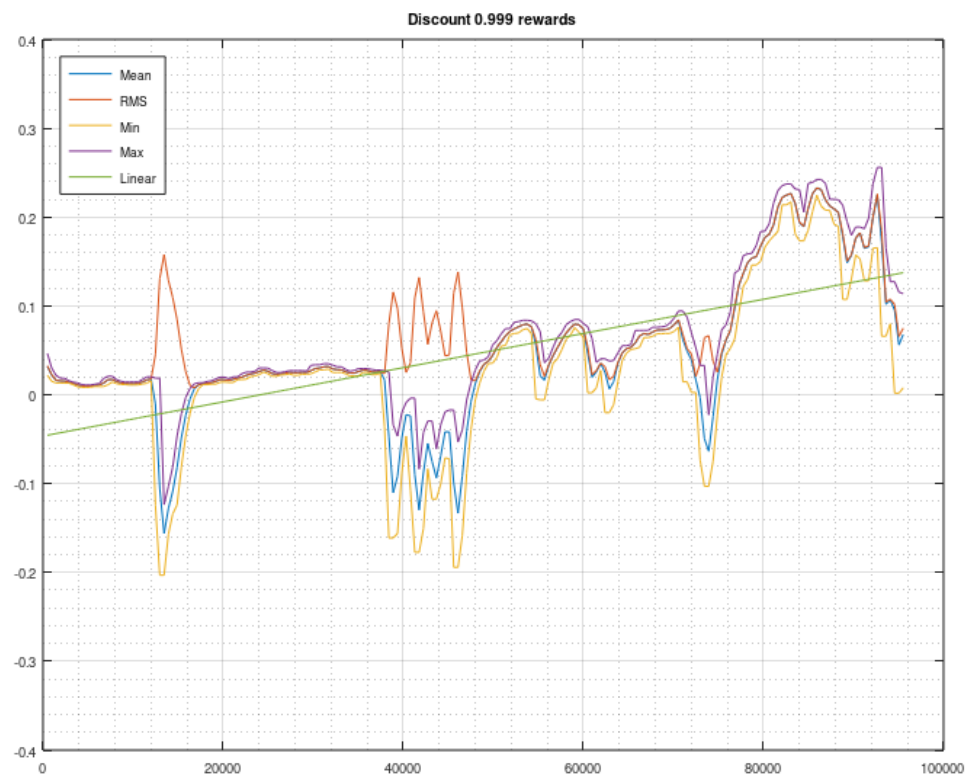
Discount 0.999 rewards histogram

Discount 0.999 rewards
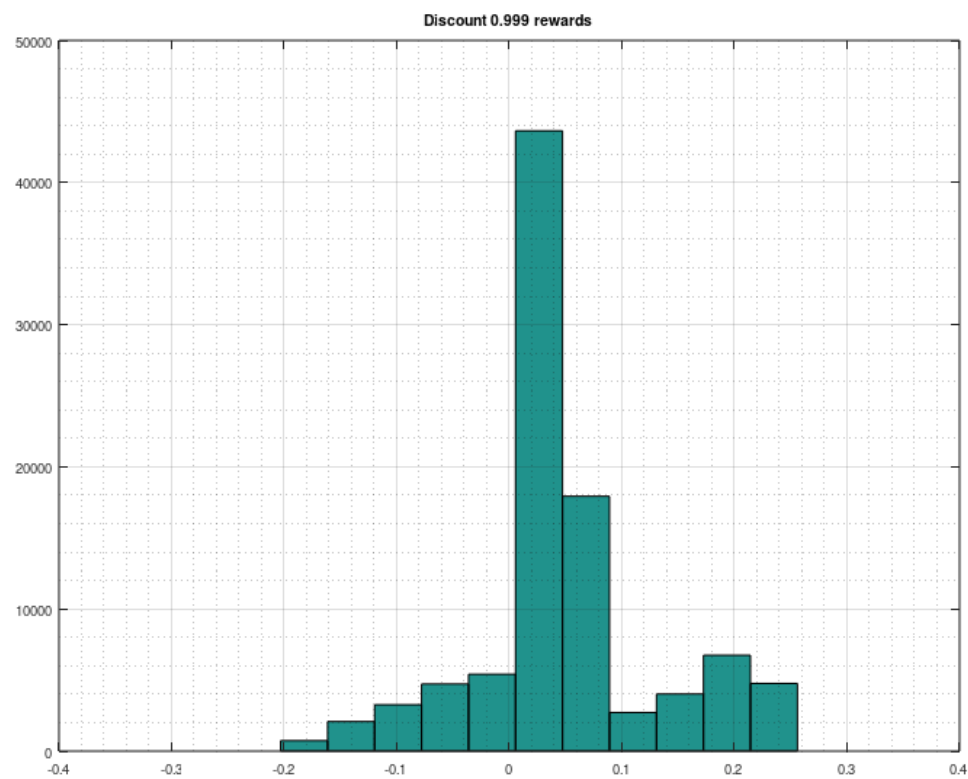
Halt max prob.

KPI	
Steps	96000
Mean	0.799
Sigma	0.133
RMS	0.81
Min	0.5
Median	0.832
Max	0.952
Trend	Linear
From	0.578
To	1.02

0.521	0.562	0.603	0.644	0.685	0.726	0.767	0.808	0.849	0.89	0.931
5414	4480	4864	4800	4686	5364	6736	10262	9726	16926	22742

Halt max prob. notes

[Notes]

Halt max prob. chart
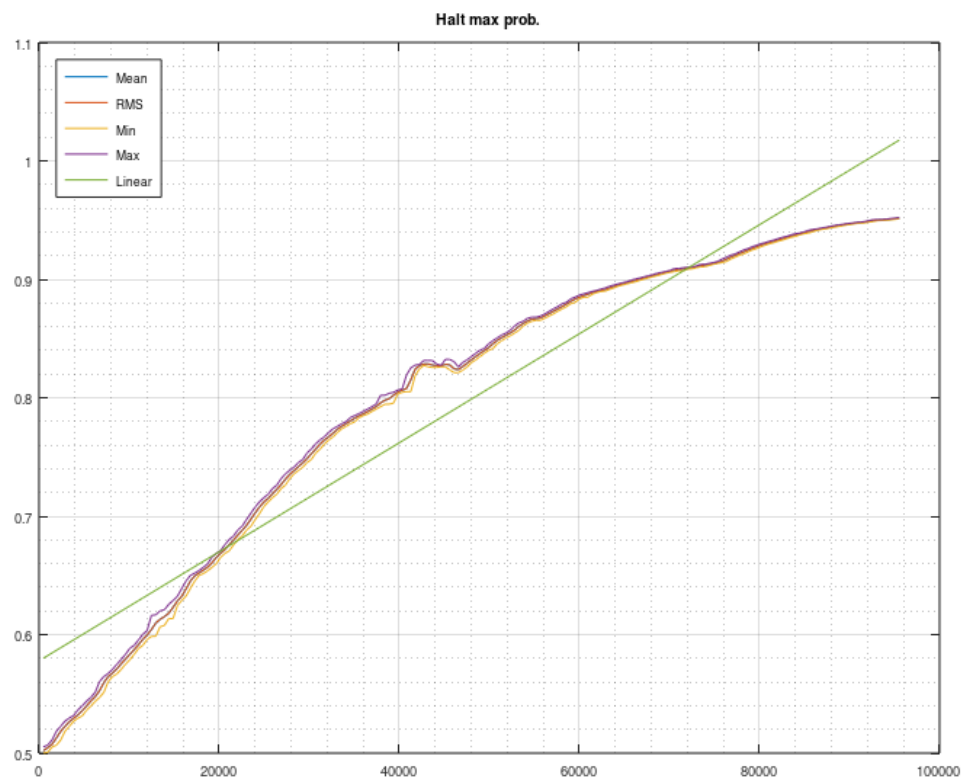
Halt max prob. histogram
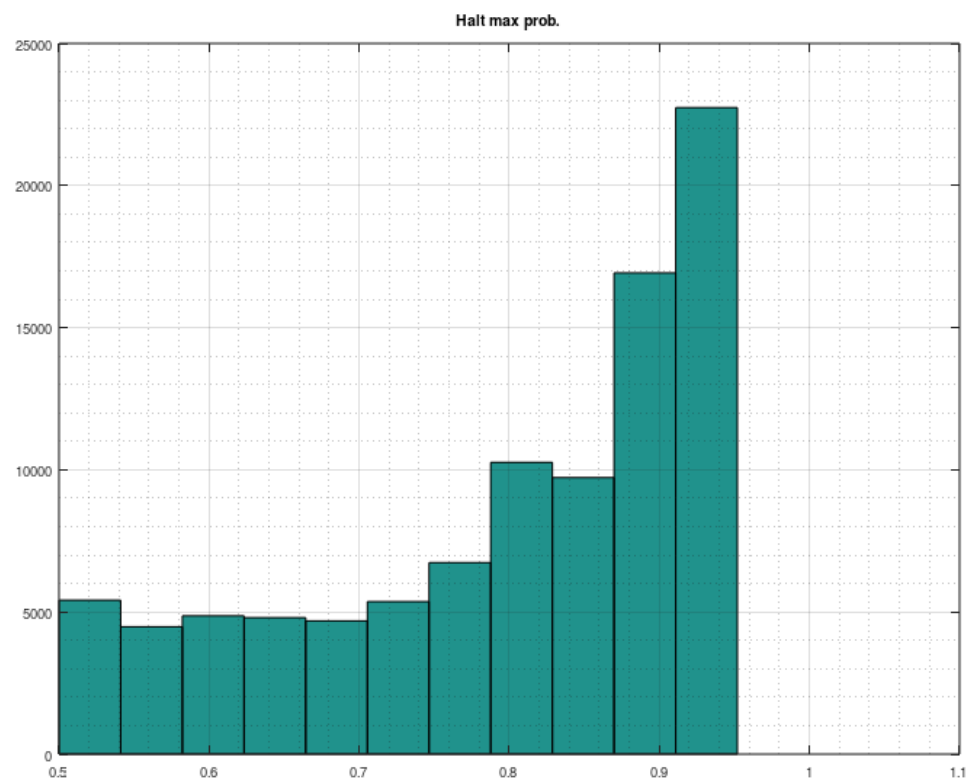
Direction max prob.

KPI	
Steps	96000
Mean	0.073
Sigma	0.0318
RMS	0.0797
Min	0.04
Median	0.0606
Max	0.16
Trend	Exponential
From	0.0348
To	0.13

0.0455	0.0564	0.0673	0.0782	0.0891	0.1	0.111	0.122	0.133	0.144	0.154
25728	25406	6630	12700	6226	3242	2040	2440	6180	2560	2848

Direction max prob. notes

[Notes]

Direction max prob. chart
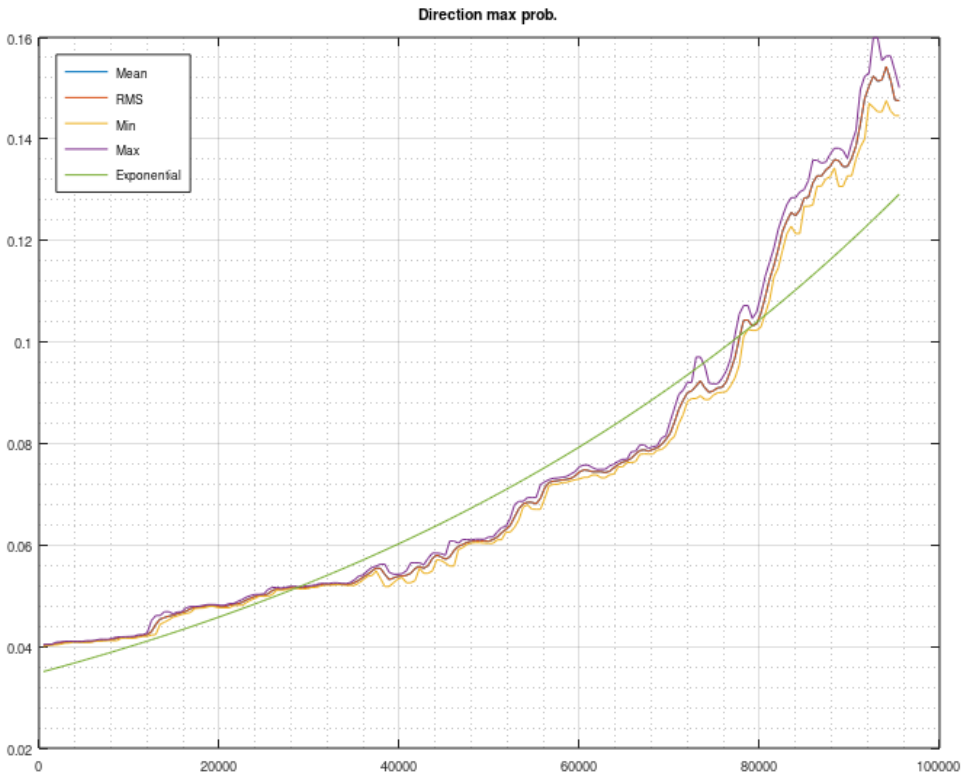
Direction max prob. histogram
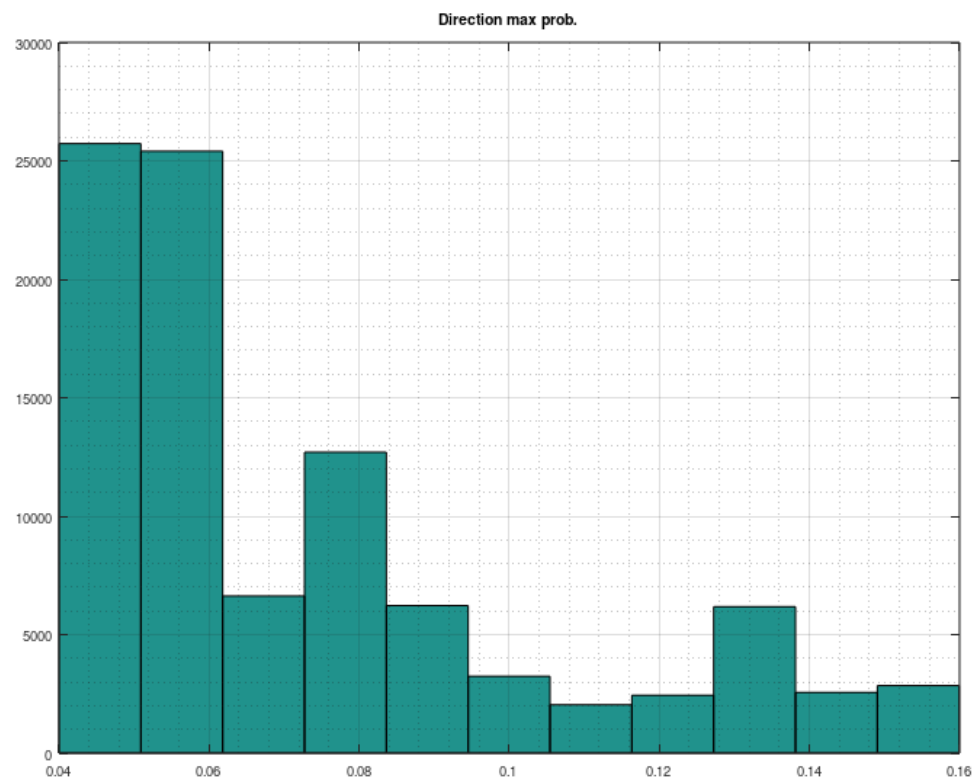
Speed max prob.

KPI	
Steps	96000
Mean	0.262
Sigma	0.104
RMS	0.282
Min	0.111
Median	0.252
Max	0.451
Trend	Linear
From	0.0847
To	0.44

0.127	0.157	0.188	0.219	0.25	0.281	0.312	0.343	0.374	0.404	0.435
14288	15154	9112	4174	8816	3770	4398	15250	7250	8948	4840

Speed max prob. notes

[Notes]

Speed max prob. chart
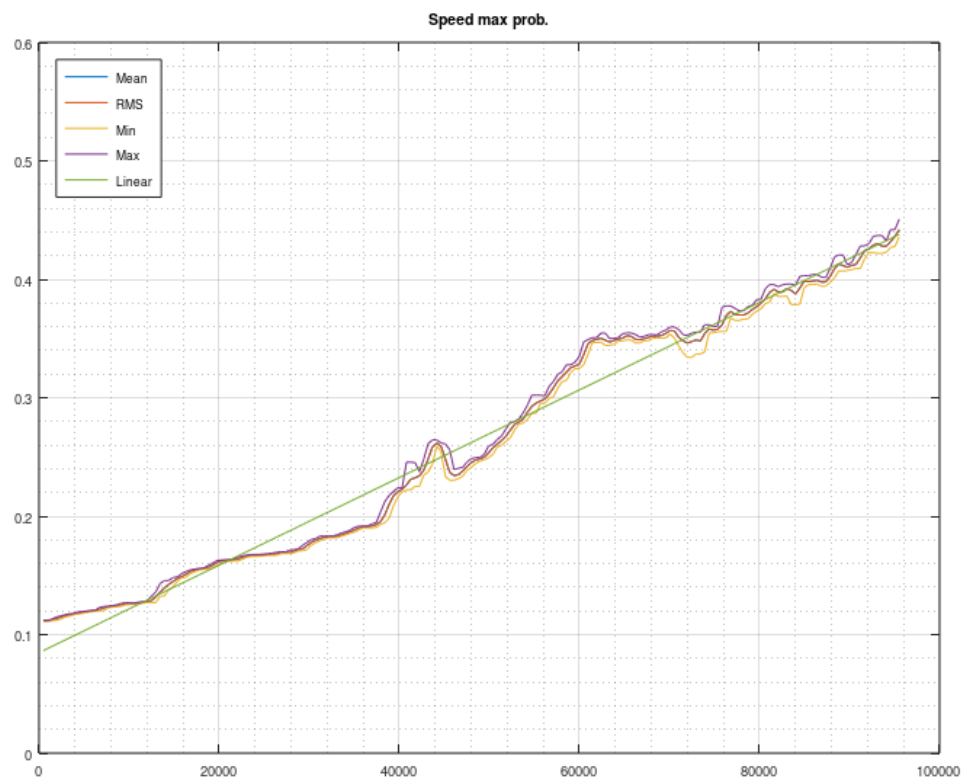
Speed max prob.

Speed max prob. histogram

Speed max prob.
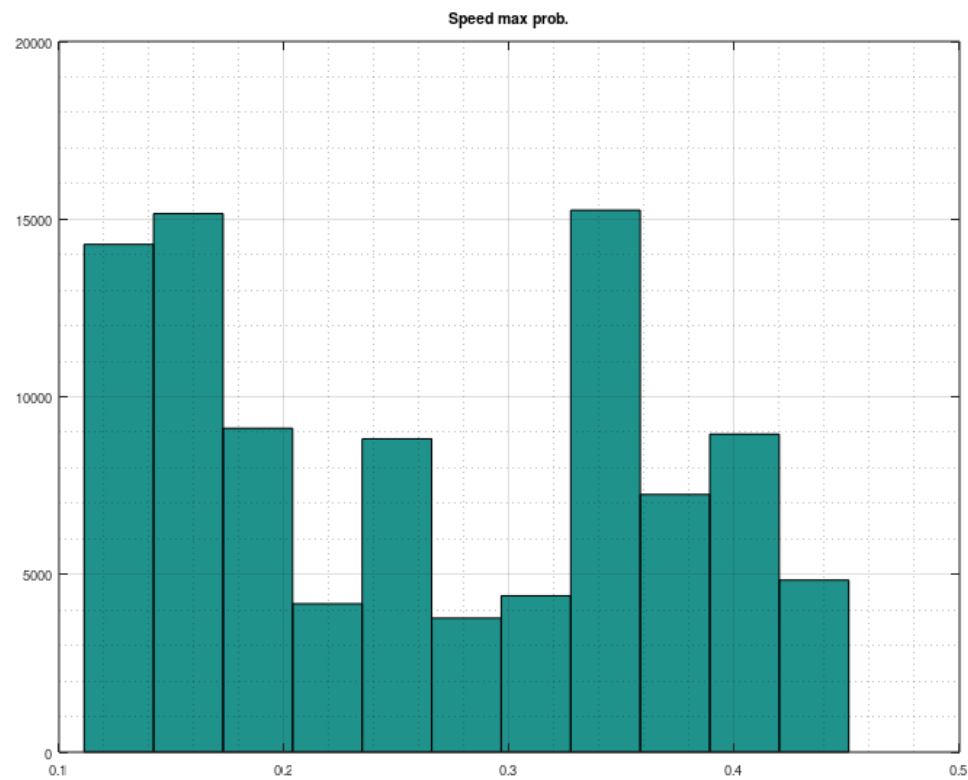
Sensor direction max prob.

KPI	
Steps	96000
Mean	0.287
Sigma	0.0919
RMS	0.301
Min	0.143
Median	0.287
Max	0.429
Trend	Linear
From	0.129
To	0.445

0.156	0.182	0.208	0.234	0.26	0.286	0.312	0.338	0.364	0.39	0.416
11354	10978	9052	6910	4988	6954	5166	10084	6078	9608	14828

Sensor direction max prob. notes

[Notes]

Sensor direction max prob. chart
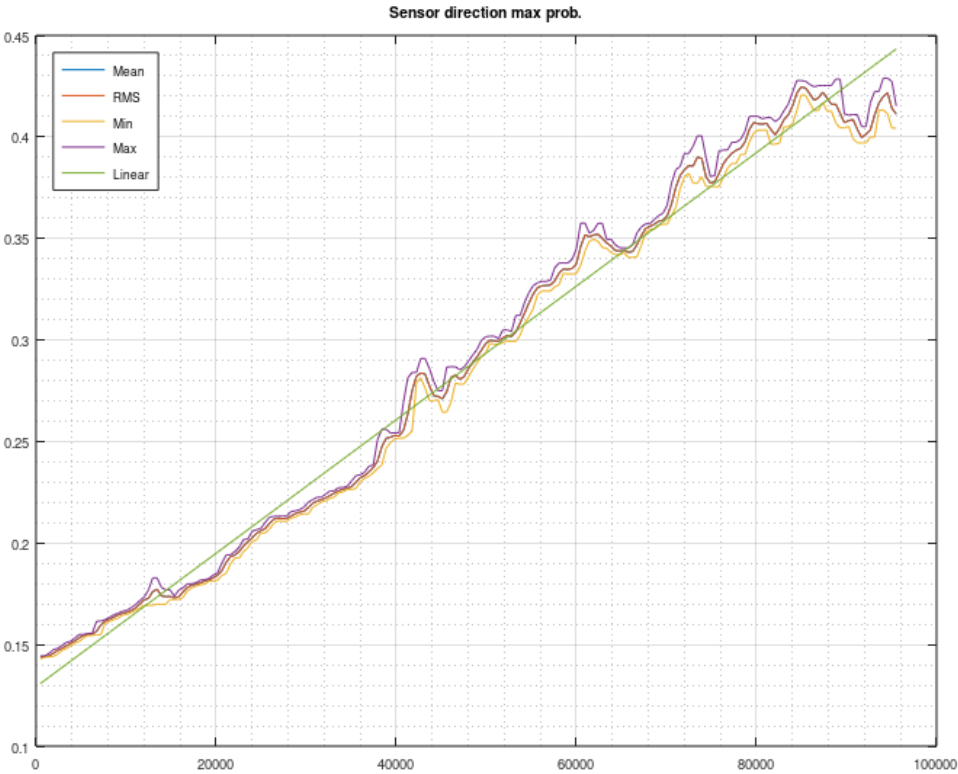
Sensor direction max prob. histogram
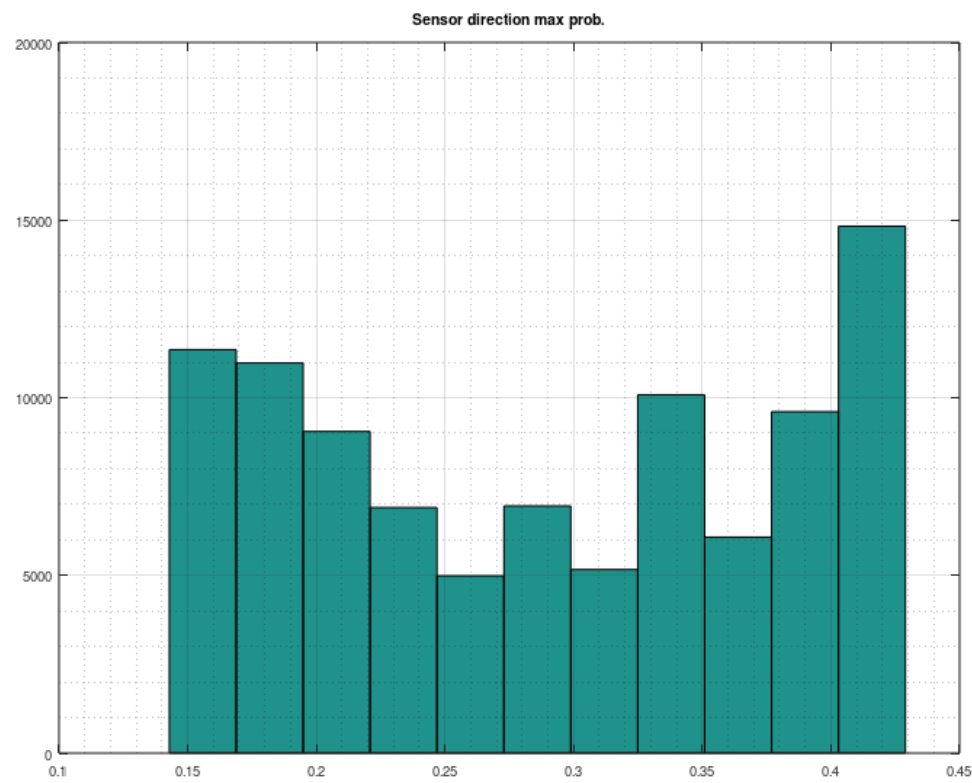
Delta halt prob.

KPI	
Steps	96000
Mean	4.65e-07
Sigma	0.000112
RMS	0.000112
Min	-0.00273
Median	-8.5e-08
Max	0.00237
Trend	Linear
From	1.84e-06
To	-9.15e-07

-0.0025	-0.00203	-0.00157	-0.00111	-0.000642	-0.000178	0.000285	0.000748	0.00121	0.00168	0.00214
6	12	44	74	504	89678	5246	288	80	48	20

Delta halt prob. notes

[Notes]

Delta halt prob. chart
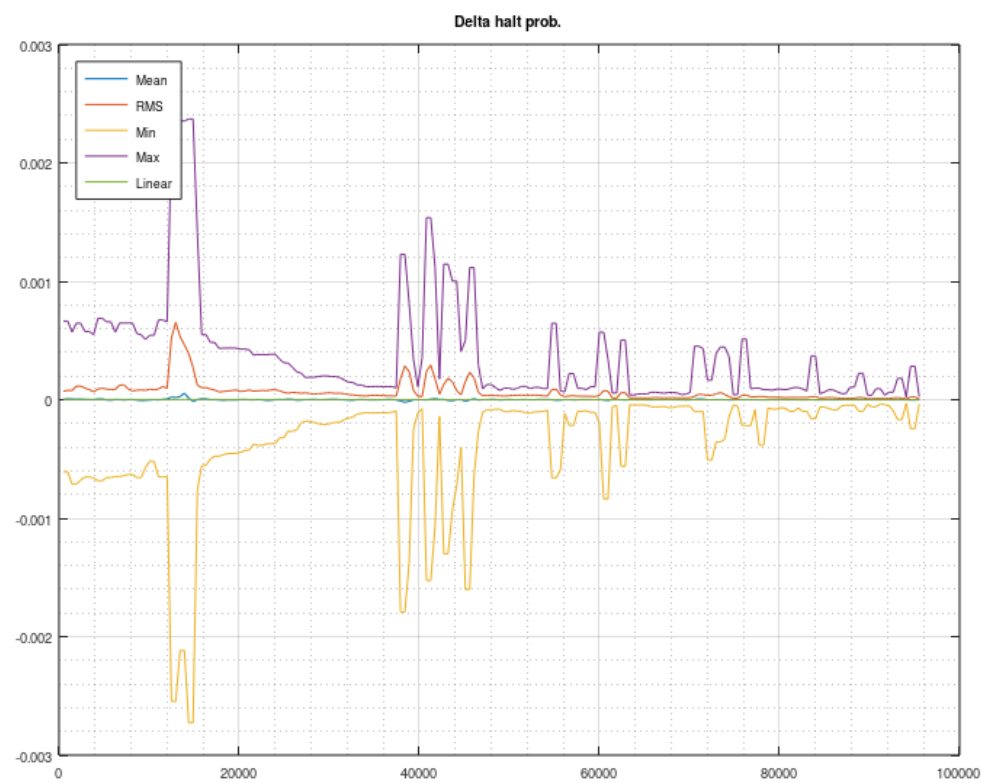
Delta halt prob.

Delta halt prob. histogram

Delta halt prob.
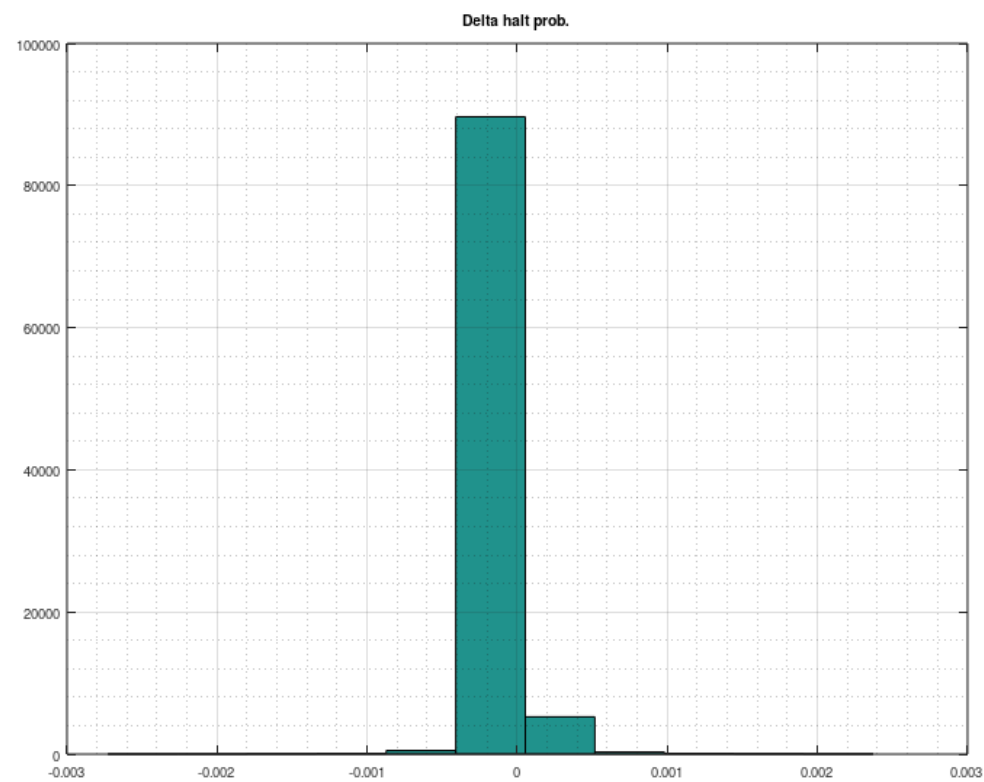
Delta direction prob.

KPI	
Steps	96000
Mean	5.24e-06
Sigma	0.000152
RMS	0.000152
Min	-0.00209
Median	-9.66e-06
Max	0.000896
Trend	Linear
From	-4.22e-06
To	1.47e-05

-0.00195	-0.00168	-0.00141	-0.00114	-0.000866	-0.000595	-0.000324	-5.26e-05	0.000219	0.00049	0.000761
16	28	62	182	318	924	2998	70110	20662	686	14

Delta direction prob. notes

[Notes]

Delta direction prob. chart

Delta direction prob.
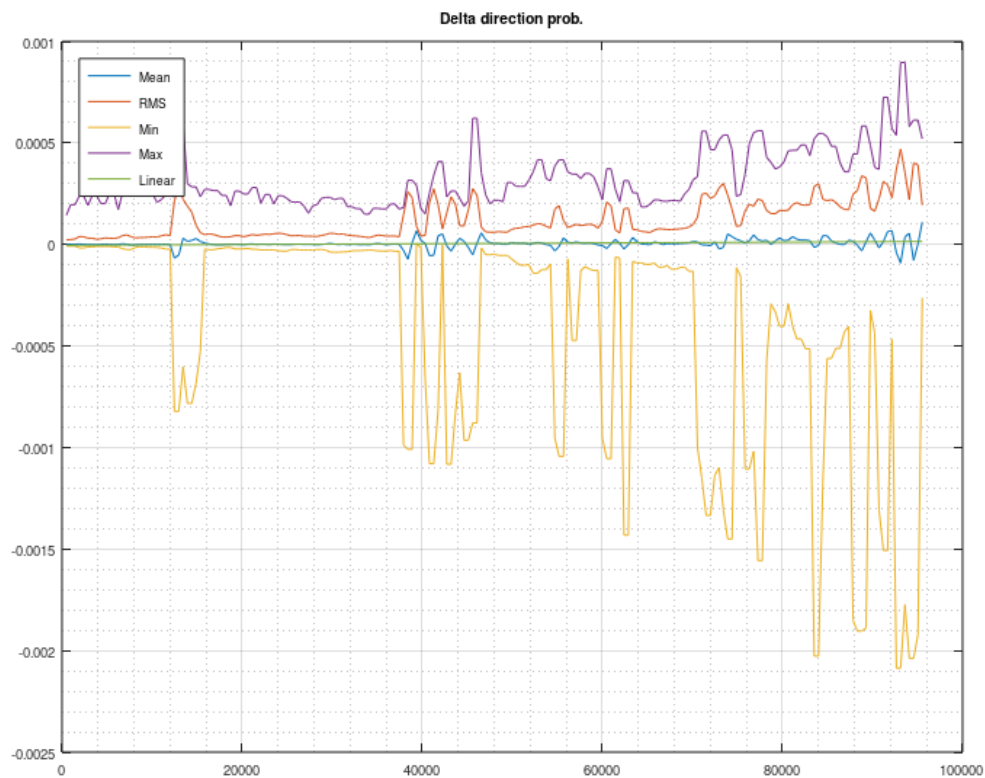
Delta direction prob. histogram

Delta direction prob.
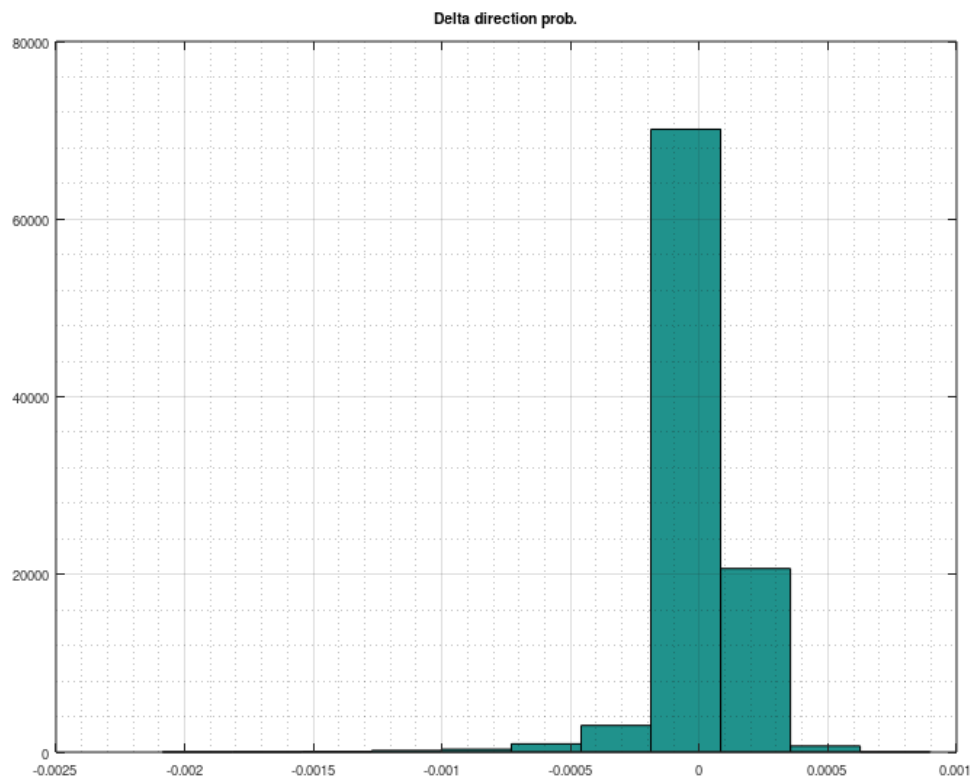
Delta speed prob.

KPI	
Steps	96000
Mean	9.63e-06
Sigma	0.00025
RMS	0.00025
Min	-0.00302
Median	-1.56e-05
Max	0.00192
Trend	Linear
From	-3.32e-06
To	2.26e-05

-0.0028	-0.00235	-0.0019	-0.00145	-0.001	-0.000551	-0.000102	0.000347	0.000796	0.00124	0.00169
24	70	164	322	830	2286	70902	20252	1002	104	44

Delta speed prob. notes

[Notes]

Delta speed prob. chart

Delta speed prob. histogram

Delta speed prob.
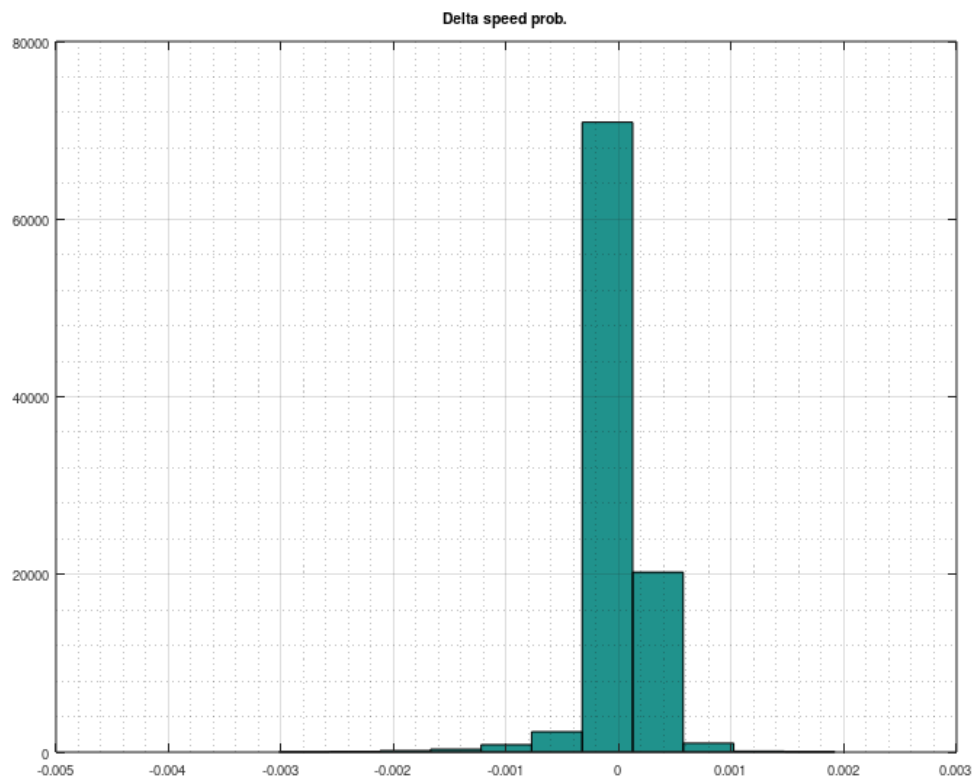
Delta sensor direction prob.

	KPI	
Steps		96000
Mean		1.18e-05
Sigma		0.000277
RMS		0.000278
Min		-0.003
Median		-1.66e-05
Max		0.00203
Trend		Linear
From		5.84e-07
To		2.3e-05

-0.00277	-0.00231	-0.00186	-0.0014	-0.000944	-0.000487	-2.99e-05	0.000427	0.000884	0.00134	0.0018
20	150	298	410	796	3970	73306	16202	700	108	40

Delta sensor direction prob. notes

[Notes]

Delta sensor direction prob. chart
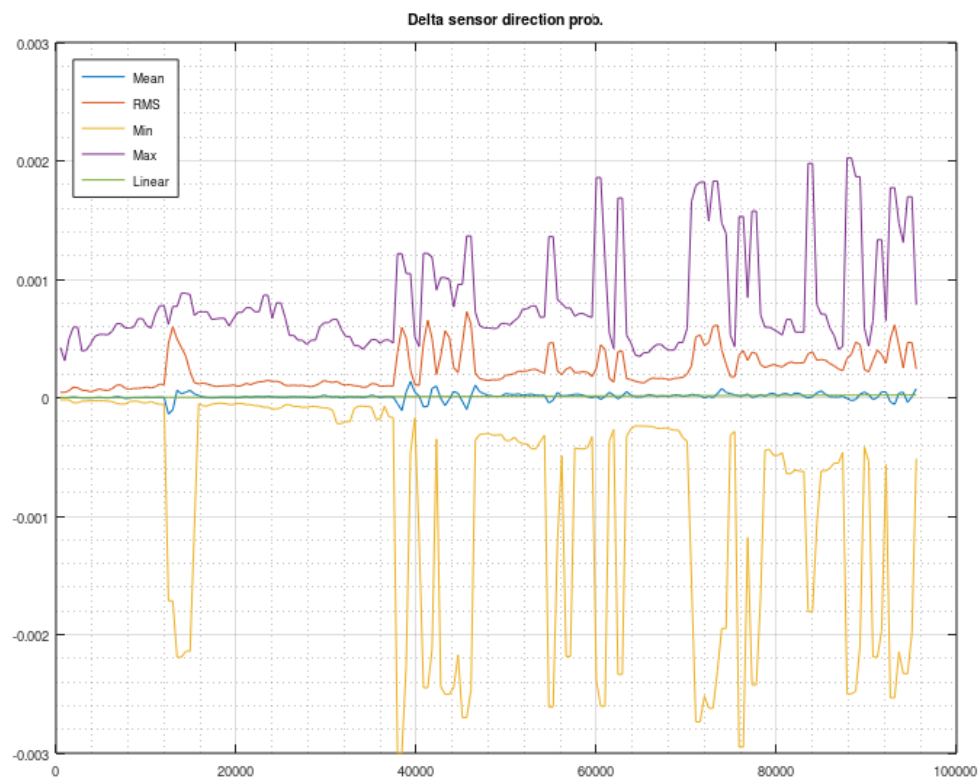
Delta sensor direction prob.

Delta sensor direction prob. histogram

Delta sensor direction prob.

Advantage residual estimation (critic)

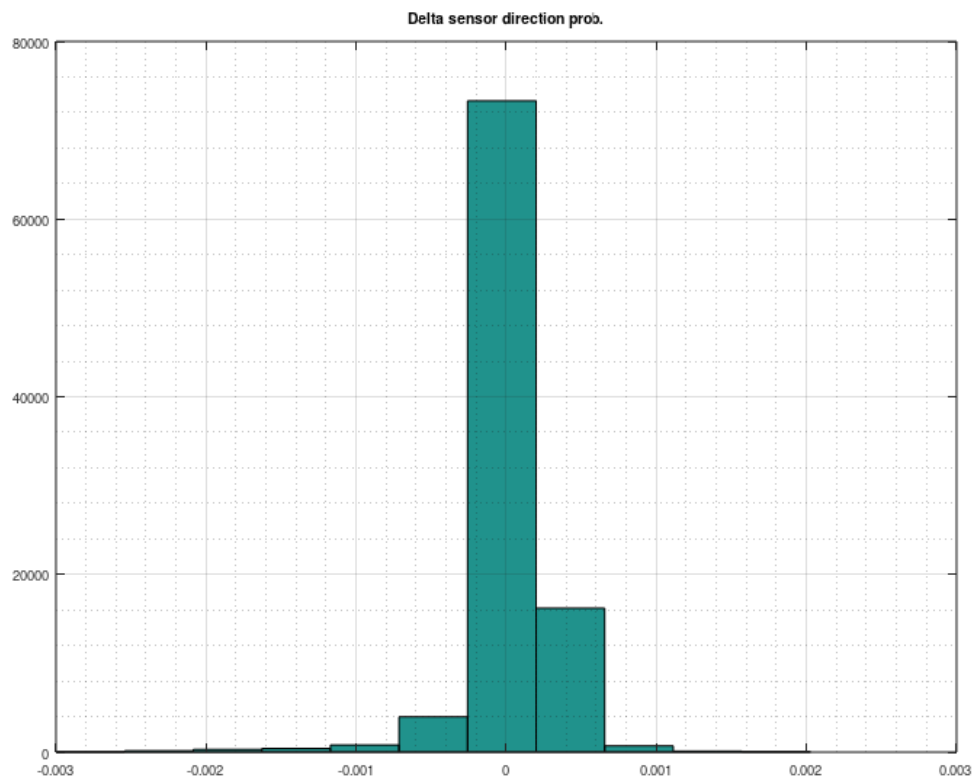| KPI	
Steps	96000
Mean	0.0168
Sigma	0.0336
RMS	0.0375
Min	-0.137
Median	0.0102
Max	0.109
Trend	Linear
From	-0.0172
To	0.0507

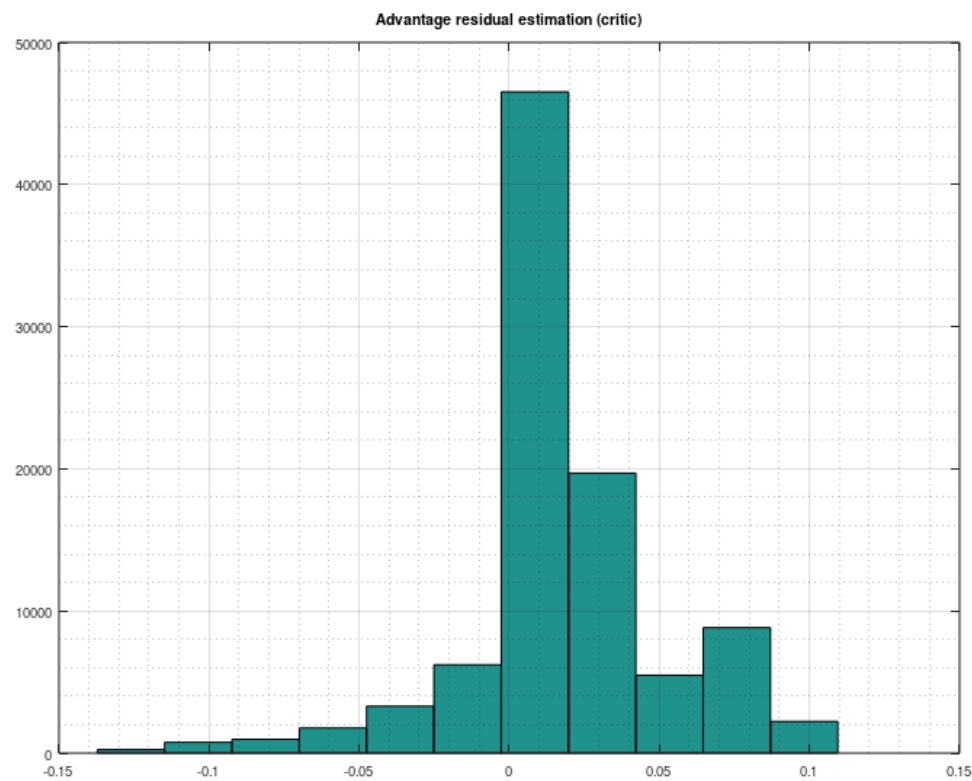| -0.126	-0.104	-0.0812	-0.0588	-0.0363	-0.0139	0.00851	0.0309	0.0534	0.0758	0.0982
246	756	970	1764	3298	6214	46520	19698	5478	8828	2228

Advantage residual estimation (critic) notes

[Notes]

Advantage residual estimation (critic) chart

Advantage residual estimation (critic) histogram

Delta Advantage residual estimation (critic)

KPI	
Steps	96000
Mean	1.17e-06
Sigma	0.000352
RMS	0.000352
Min	-0.0023
Median	-3.05e-05
Max	0.0012
Trend	Linear
From	-2.52e-07
To	2.6e-06

-0.00214	-0.00182	-0.0015	-0.00119	-0.000867	-0.000549	-0.000231	8.72e-05	0.000405	0.000723	0.00104
224	992	850	312	0	2196	22150	47210	20788	1260	18

Delta Advantage residual estimation (critic) notes

Delta Advantage residual estimation (critic) chart
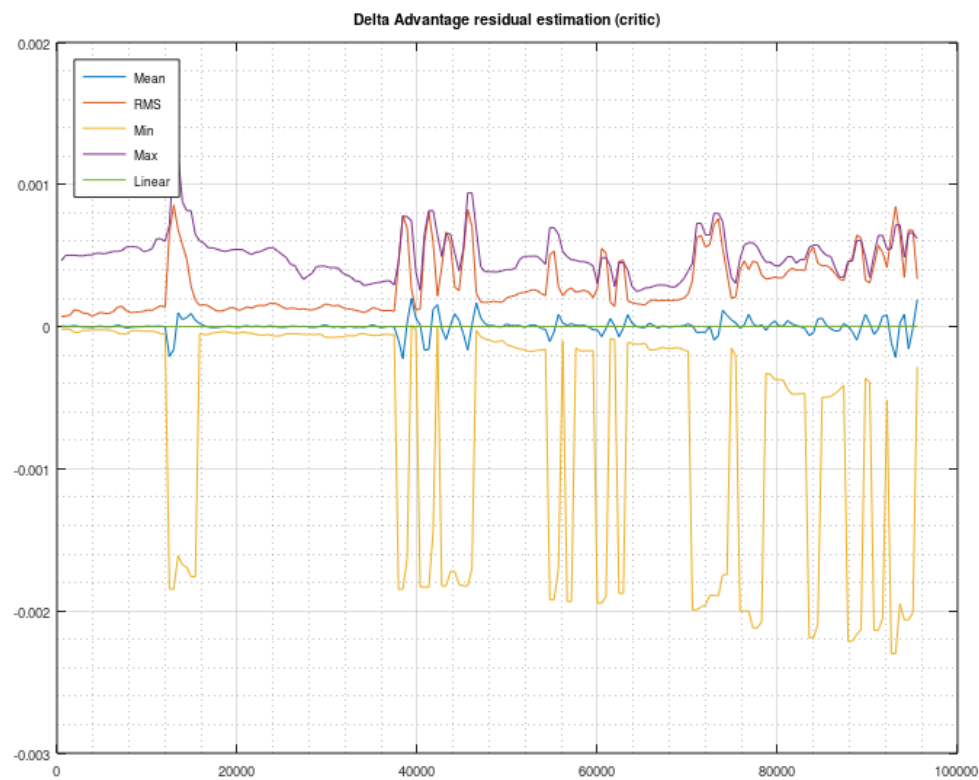

Delta Advantage residual estimation (critic) histogram

Delta Advantage residual estimation (critic)
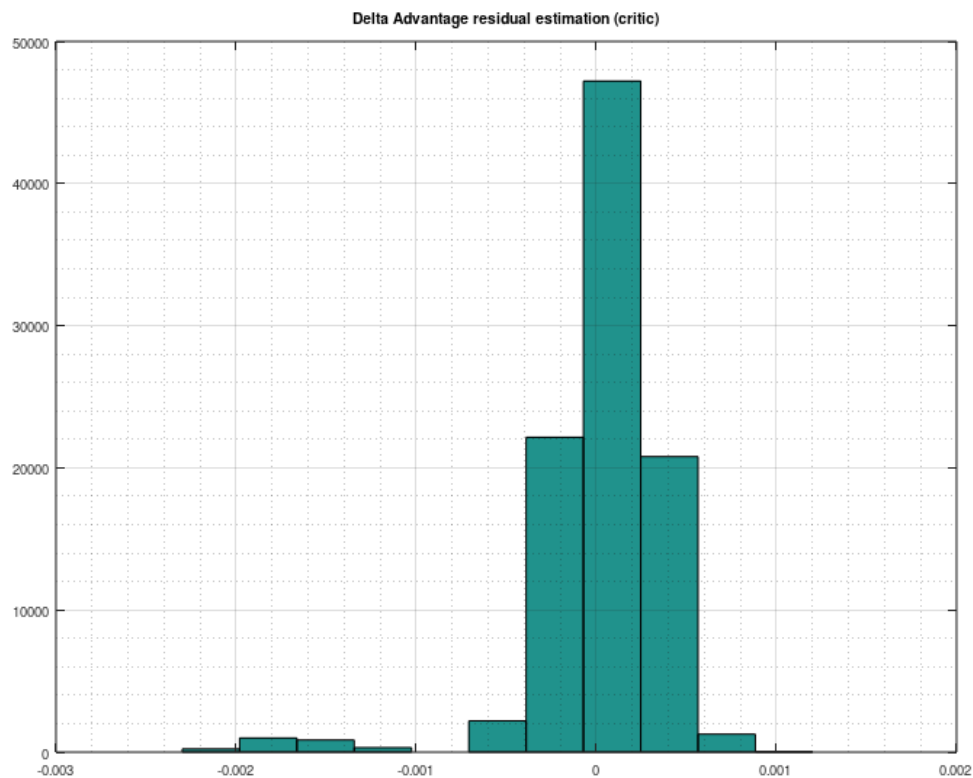
Avg Rewards

KPI	
Steps	96000
Mean	0.0459
Sigma	0.0929
RMS	0.104
Min	-0.38
Median	0.0278
Max	0.302
Trend	Linear
From	-0.0478
To	0.14

-0.349	-0.287	-0.225	-0.163	-0.101	-0.0391	0.023	0.0851	0.147	0.209	0.271
246	758	964	1762	3298	6218	46532	19690	5478	8826	2228

Avg Rewards notes

[Notes]

Avg Rewards chart

Avg Rewards histogram
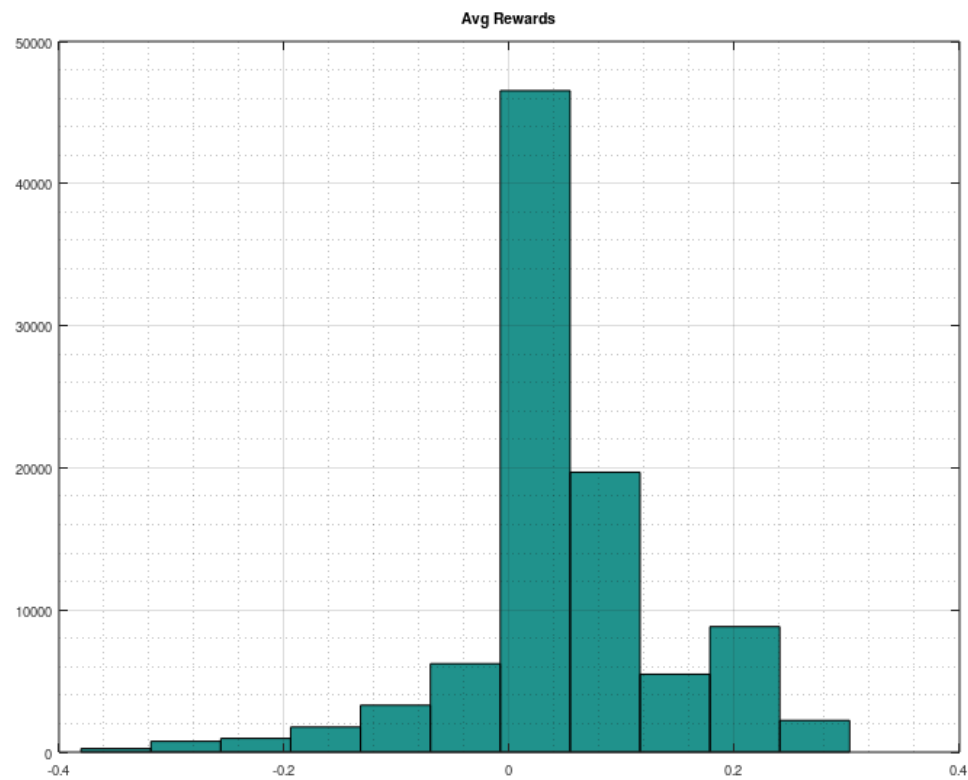
Halt gradient

KPI	
Steps	96000
Mean	1.99
Sigma	2.27
RMS	3.02
Min	1.05
Median	1.21
Max	20.8
Trend	Linear
From	2
To	1.99

1.95	3.74	5.54	7.33	9.13	10.9	12.7	14.5	16.3	18.1	19.9
84146	5132	2680	1038	916	856	308	246	206	216	256

Halt gradient notes

[Notes]

Halt gradient chart
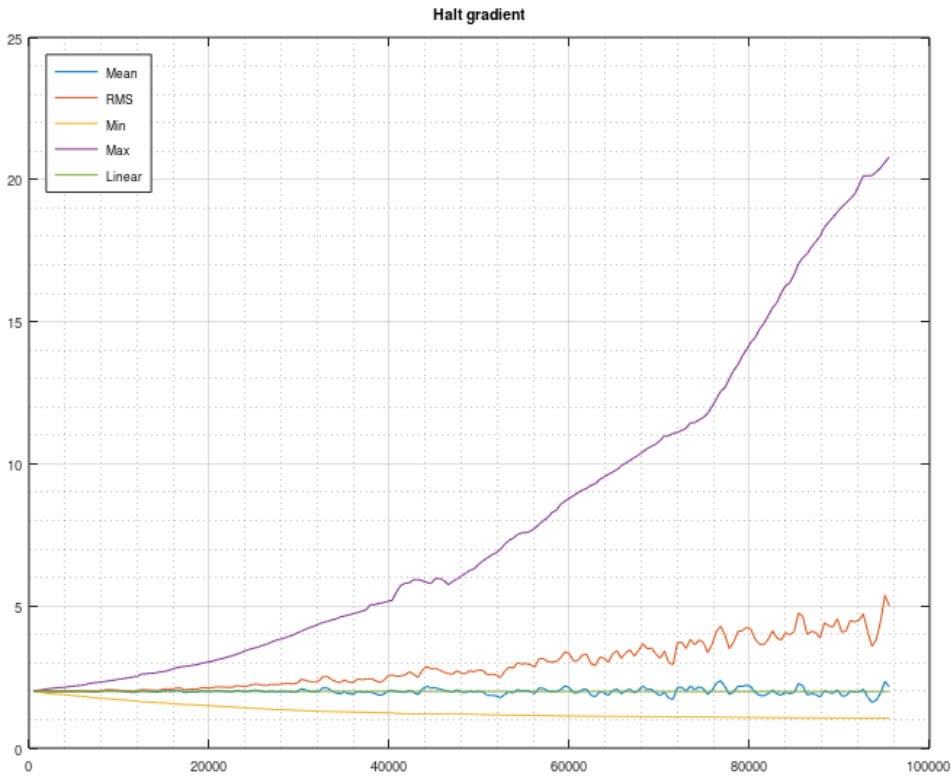
Halt gradient histogram

Halt gradient
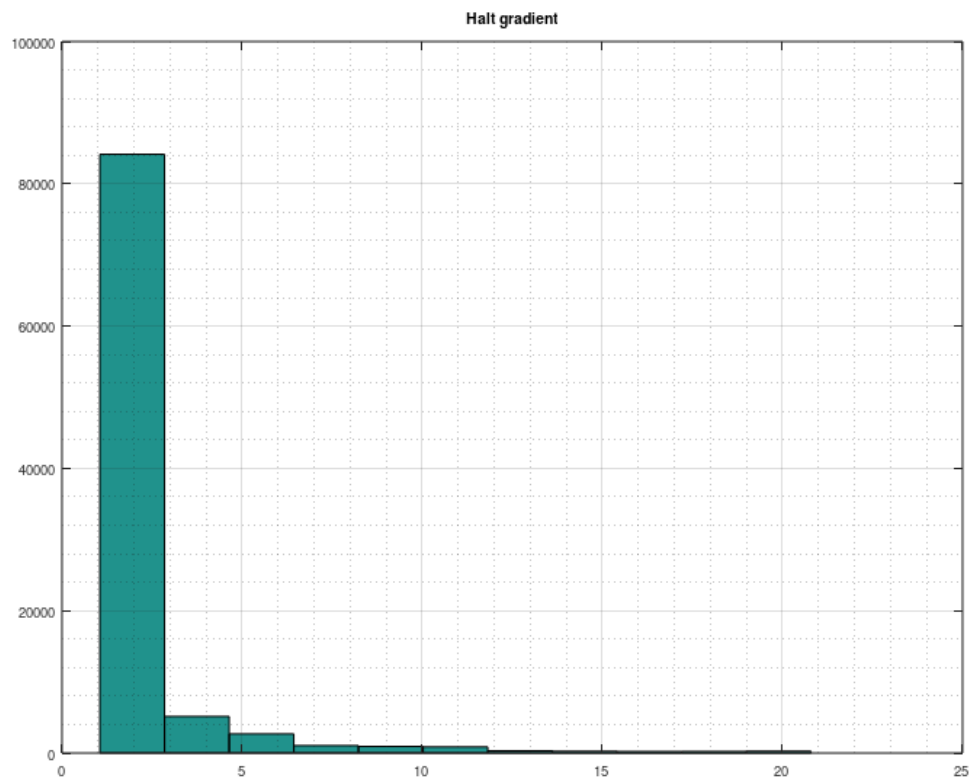
Direction gradient

KPI	
Steps	96000
Mean	24.9
Sigma	10.7
RMS	27.1
Min	6.25
Median	25
Max	88.6
Trend	Linear
From	25.1
To	24.8

10	17.5	25	32.5	39.9	47.4	54.9	62.4	69.9	77.4	84.9
12930	18488	42740	12658	4316	1778	1198	898	558	298	138

Direction gradient notes

[Notes]

Direction gradient chart

Direction gradient

Direction gradient histogram
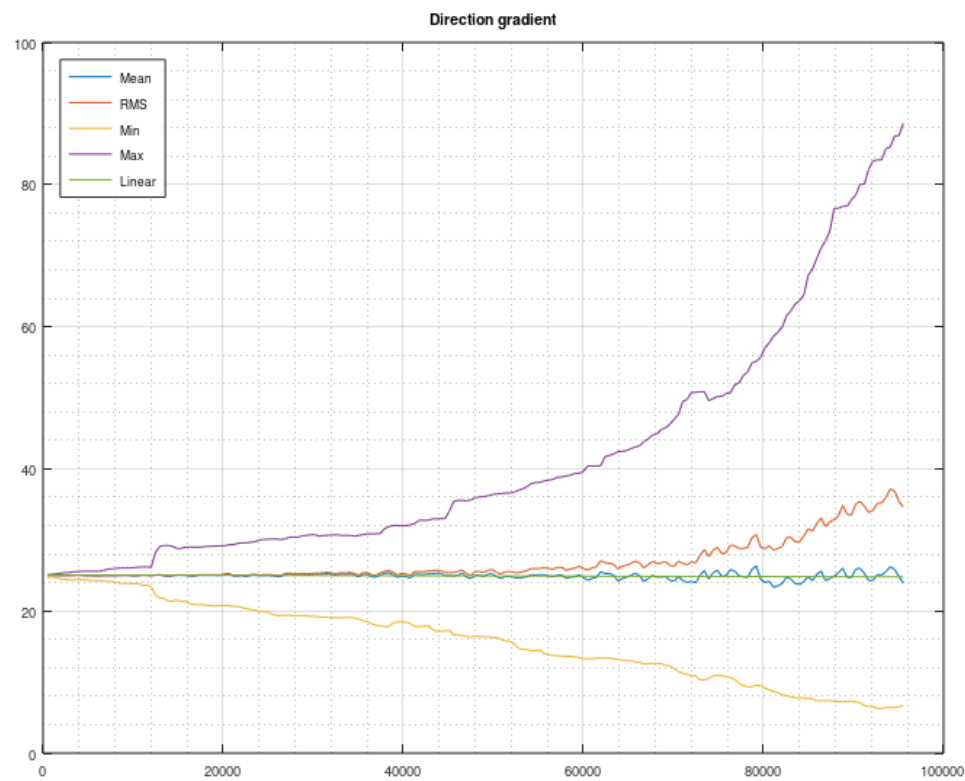
Direction gradient
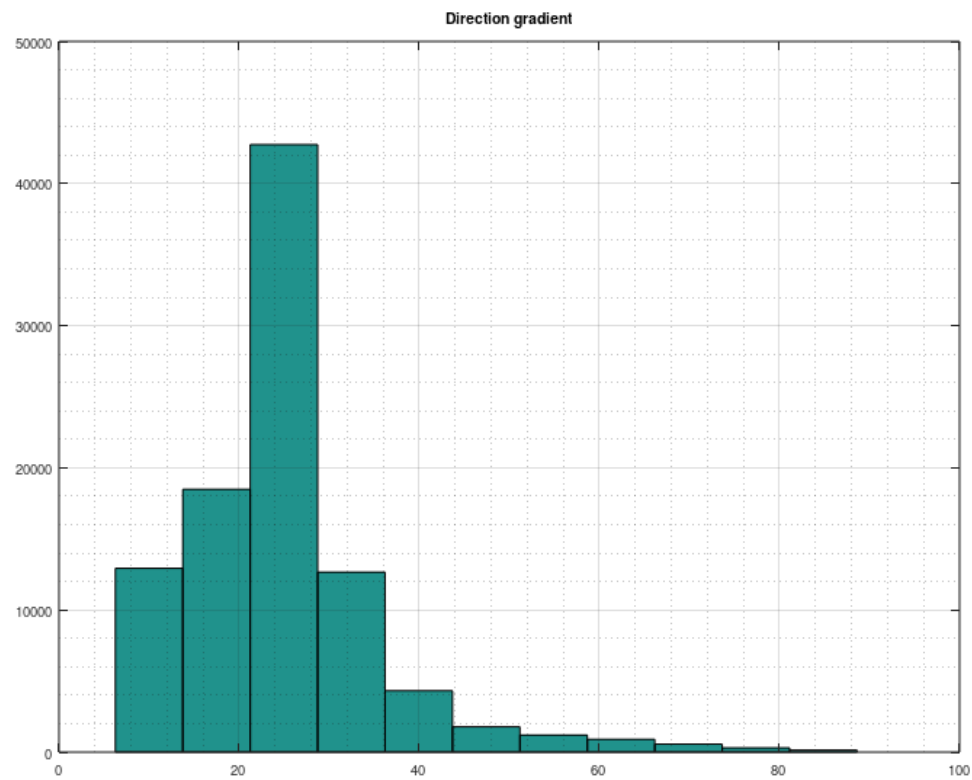
Speed gradient

KPI	
Steps	96000
Mean	9.03
Sigma	6.82
RMS	11.3
Min	2.22
Median	7.66
Max	50.5
Trend	Linear
From	9.02
To	9.04

4.41	8.8	13.2	17.6	22	26.3	30.7	35.1	39.5	43.9	48.3
37128	35260	13694	3612	2430	1210	858	546	558	560	144

Speed gradient notes

[Notes]

Speed gradient chart
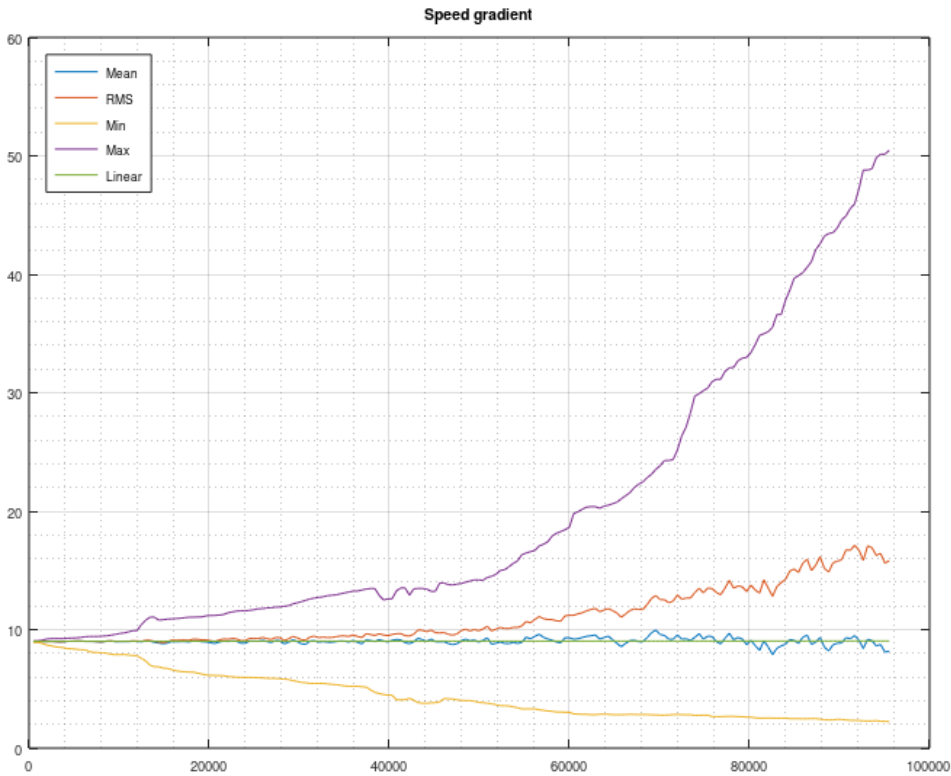
Speed gradient histogram
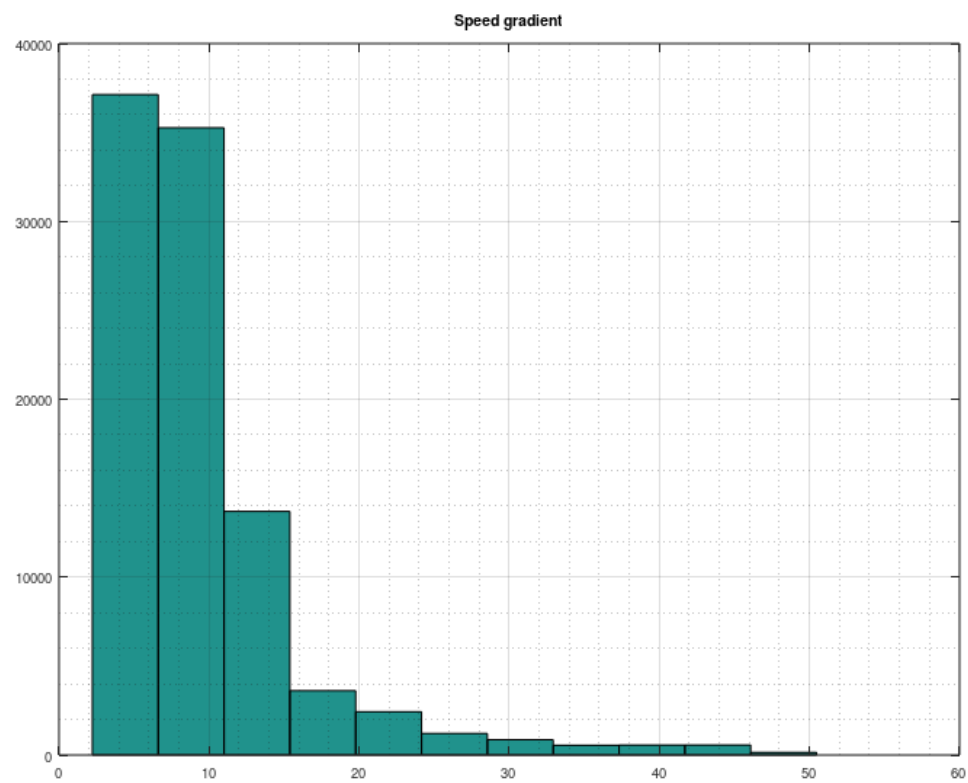
Sensor direction gradient

KPI	
Steps	96000
Mean	7
Sigma	7.28
RMS	10.1
Min	2.33
Median	4.67
Max	64.5
Trend	Linear
From	7.01
To	6.99

5.16	10.8	16.5	22.1	27.8	33.4	39.1	44.7	50.4	56	61.7
76598	11376	2928	1798	1176	646	402	308	258	264	246

Sensor direction gradient notes

[Notes]

Sensor direction gradient chart

Sensor direction gradient histogram