



# **INTERFACE PERFORMANCE AND UPTIME REPORT**

## Q4 2020

© Bitstamp, 14 January 2021

# Dedicated Interface

	Availability statistics		Performance statistics			
date	uptime	downtime	response	request_count	error_rate	avg_latency
31/12/2020	100.00	0	AISP	7	0	182
			PISP	0	0	0
			CBPII	0	0	0
30/12/2020	99.99	0.01	AISP	7	0	118
			PISP	0	0	0
			CBPII	0	0	0
29/12/2020	99.98	0.02	AISP	7	0	170
			PISP	0	0	0
			CBPII	0	0	0
28/12/2020	99.99	0.01	AISP	7	0	141
			PISP	0	0	0
			CBPII	0	0	0
27/12/2020	99.99	0.01	AISP	7	0	164
			PISP	0	0	0
			CBPII	0	0	0
26/12/2020	100.00	0	AISP	7	0	177
			PISP	0	0	0
			CBPII	0	0	0
25/12/2020	100.00	0	AISP	7	0	137
			PISP	0	0	0
			CBPII	0	0	0
24/12/2020	100.00	0	AISP	7	0	186
			PISP	0	0	0
			CBPII	0	0	0
23/12/2020	100.00	0	AISP	7	0	172
			PISP	0	0	0
			CBPII	0	0	0
22/12/2020	100.00	0	AISP	7	0	167
			PISP	0	0	0
			CBPII	0	0	0
21/12/2020	100.00	0	AISP	7	0	230
			PISP	0	0	0
			CBPII	0	0	0
20/12/2020	99.99	0.01	AISP	7	0	223
			PISP	0	0	0
			CBPII	0	0	0
19/12/2020	100.00	0	AISP	7	0	213
			PISP	0	0	0
			CBPII	0	0	0
18/12/2020	100.00	0	AISP	7	0	200
			PISP	0	0	0
			CBPII	0	0	0
17/12/2020	100.00	0	AISP	7	0	146
			PISP	0	0	0
			CBPII	0	0	0
16/12/2020	100.00	0	AISP	7	0	157
			PISP	0	0	0
			CBPII	0	0	0
15/12/2020	100.00	0	AISP	7	0	128
			PISP	0	0	0
			CBPII	0	0	0

14/12/2020	100.00	0	AISP	7	0	187
			PISP	0	0	0
			CBPII	0	0	0
13/12/2020	100.00	0	AISP	7	0	181
			PISP	0	0	0
			CBPII	0	0	0
12/12/2020	100.00	0	AISP	7	0	159
			PISP	0	0	0
			CBPII	0	0	0
11/12/2020	100.00	0	AISP	7	0	136
			PISP	0	0	0
			CBPII	0	0	0
10/12/2020	100.00	0	AISP	10	0	193
			PISP	0	0	0
			CBPII	0	0	0
09/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
08/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
07/12/2020	99.99	0.01	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
06/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
05/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
04/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
03/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
02/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
01/12/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
30/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
29/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
28/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
27/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
26/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
25/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0

24/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
23/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
22/11/2020	99.99	0.01	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
21/11/2020	99.99	0.01	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
20/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
19/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
18/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
17/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
16/11/2020	99.99	0.01	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
15/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
14/11/2020	99.99	0.01	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
13/11/2020	99.98	0.02	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
12/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
11/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
10/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
09/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
08/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
07/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
06/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
05/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0

04/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
03/11/2020	99.99	0.01	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
02/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
01/11/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
31/10/2020	99.99	0.01	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
30/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
29/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
28/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
27/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
26/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
25/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
24/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
23/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
22/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
21/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
20/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
19/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
18/10/2020	99.93	0.07	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
17/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
16/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0

15/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
14/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
13/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
12/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
11/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
10/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
09/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
08/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
07/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
06/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
05/10/2020	99.99	0.01	AISP	1	0	49
			PISP	0	0	0
			CBPII	0	0	0
04/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
03/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
02/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0
01/10/2020	100.00	0	AISP	0	0	0
			PISP	0	0	0
			CBPII	0	0	0

# PSU Interface (web)

date	Availability statistics		Performance statistics			
	uptime	downtime	response	request_count	error_rate	avg_latency
31/12/2020	99.976371	0.0236295	PIS	0	0	0
			AIS	6571	0	717.2466923
30/12/2020	99.88227	0.1177302	PIS	0	0	0
			AIS	8175	0	730.1484317
29/12/2020	99.952786	0.0472144	PIS	0	0	0
			AIS	9119	0	721.5419814
28/12/2020	99.910099	0.0899011	PIS	0	0	0
			AIS	7933	0	635.3254108
27/12/2020	99.893617	0.106383	PIS	0	0	0
			AIS	9649	0	509.355133
26/12/2020	99.78821	0.2117896	PIS	0	0	0
			AIS	6378	0	490.9494042
25/12/2020	99.929279	0.0707214	PIS	0	0	0
			AIS	6057	0	500.7636163
24/12/2020	99.752475	0.2475248	PIS	0	0	0
			AIS	5307	0	514.2211287
23/12/2020	99.928826	0.0711744	PIS	0	0	0
			AIS	9148	0	506.6340715
22/12/2020	99.792028	0.2079723	PIS	0	0	0
			AIS	6798	0	510.2390378
21/12/2020	99.823446	0.1765537	PIS	0	0	0
			AIS	6848	0	496.0361029
20/12/2020	99.823071	0.1769285	PIS	0	0	0
			AIS	4773	0	487.7893166
19/12/2020	99.823134	0.1768659	PIS	0	0	0
			AIS	4860	0	504.3291078
18/12/2020	99.893428	0.1065719	PIS	0	0	0
			AIS	5947	0	519.2481416
17/12/2020	99.929204	0.0707965	PIS	0	0	0
			AIS	13262	0	511.8440954
16/12/2020	99.964451	0.0355492	PIS	0	0	0
			AIS	8372	0	510.3158645
15/12/2020	99.751155	0.2488446	PIS	0	0	0
			AIS	4143	0	511.1614955
14/12/2020	99.859006	0.140994	PIS	0	0	0
			AIS	3977	0	518.1896462
13/12/2020	99.965096	0.034904	PIS	0	0	0
			AIS	3720	0	499.1193712
12/12/2020	99.895434	0.1045661	PIS	0	0	0
			AIS	3731	0	492.3504846
11/12/2020	99.860384	0.1396161	PIS	0	0	0
			AIS	5648	0	502.821239
10/12/2020	99.895507	0.1044932	PIS	0	0	0
			AIS	4293	0	537.9348635
09/12/2020	99.860238	0.1397624	PIS	0	0	0
			AIS	6273	0	504.0701258
08/12/2020	99.965157	0.0348432	PIS	0	0	0
			AIS	5174	0	512.4063361
07/12/2020	99.965072	0.0349284	PIS	0	0	0
			AIS	4605	0	506.1068436

06/12/2020	100	0	PIS	0	0	0
			AIS	3805	0	510.9741821
05/12/2020	99.89547	0.1045296	PIS	0	0	0
			AIS	3558	0	506.0991141
04/12/2020	99.825662	0.1743375	PIS	0	0	0
			AIS	5775	0	490.1801404
03/12/2020	99.930216	0.0697837	PIS	0	0	0
			AIS	5757	0	522.3191544
02/12/2020	99.930094	0.0699056	PIS	0	0	0
			AIS	6097	0	553.7777863
01/12/2020	99.964801	0.0351989	PIS	0	0	0
			AIS	9350	0	572.3944601
30/11/2020	99.894366	0.1056338	PIS	0	0	0
			AIS	8077	0	635.4440847
29/11/2020	99.895031	0.1049685	PIS	0	0	0
			AIS	3972	0	595.7183567
28/11/2020	99.860579	0.1394214	PIS	0	0	0
			AIS	4820	0	585.4677411
27/11/2020	99.895324	0.1046755	PIS	0	0	0
			AIS	5166	0	646.9967062
26/11/2020	99.965035	0.034965	PIS	0	0	0
			AIS	11113	0	708.4534572
25/11/2020	99.930143	0.0698568	PIS	0	0	0
			AIS	8518	0	822.2072132
24/11/2020	99.965108	0.0348918	PIS	0	0	0
			AIS	14009	0	906.8900527
23/11/2020	99.965229	0.0347705	PIS	0	0	0
			AIS	9539	0	913.7839149
22/11/2020	99.965217	0.0347826	PIS	0	0	0
			AIS	7276	0	865.5552357
21/11/2020	99.930459	0.069541	PIS	0	0	0
			AIS	7179	0	859.4101917
20/11/2020	100	0	PIS	0	0	0
			AIS	5040	0	971.1143188
19/11/2020	99.965229	0.0347705	PIS	0	0	0
			AIS	4085	0	882.6016113
18/11/2020	99.965193	0.0348068	PIS	0	0	0
			AIS	6053	0	879.7908054
17/11/2020	100	0	PIS	0	0	0
			AIS	5904	0	901.2495349
16/11/2020	100	0	PIS	0	0	0
			AIS	3928	0	903.6024638
15/11/2020	99.930483	0.0695169	PIS	0	0	0
			AIS	1810	0	865.6020188
14/11/2020	100	0	PIS	0	0	0
			AIS	1997	0	832.7939114
13/11/2020	99.965205	0.0347947	PIS	0	0	0
			AIS	3158	0	885.2295212
12/11/2020	99.975904	0.0240964	PIS	0	0	0
			AIS	3915	0	904.0552741
11/11/2020	99.969679	0.0303214	PIS	0	0	0
			AIS	3378	0	870.9027072
10/11/2020	99.929947	0.0700525	PIS	0	0	0
			AIS	2573	0	848.0768325
09/11/2020	99.965047	0.0349528	PIS	0	0	0
			AIS	3453	0	782.5804167
08/11/2020	99.895324	0.1046755	PIS	0	0	0
			AIS	2419	0	703.029394
07/11/2020	99.96501	0.0349895	PIS	0	0	0
			AIS	3561	0	722.1838599



06/11/2020	99.860579	0.1394214	PIS	0	0	0
			AIS	4528	0	711.3050046
05/11/2020	99.936528	0.0634719	PIS	0	0	0
			AIS	5088	0	760.2725601
04/11/2020	99.965193	0.0348068	PIS	0	0	0
			AIS	2454	0	793.0107298
03/11/2020	100	0	PIS	0	0	0
			AIS	2021	0	778.4388758
02/11/2020	100	0	PIS	0	0	0
			AIS	2181	0	704.7533906
01/11/2020	99.930459	0.069541	PIS	0	0	0
			AIS	1173	0	626.8793666
31/10/2020	99.89558	0.1044205	PIS	0	0	0
			AIS	1620	0	597.9874148
30/10/2020	99.965229	0.0347705	PIS	0	0	0
			AIS	1974	0	741.1275927
29/10/2020	100	0	PIS	0	0	0
			AIS	2126	0	710.6155856
28/10/2020	99.930314	0.0696864	PIS	0	0	0
			AIS	2900	0	648.3522683
27/10/2020	99.895688	0.1043115	PIS	0	0	0
			AIS	2649	0	685.4286202
26/10/2020	100	0	PIS	0	0	0
			AIS	2155	0	661.4701527
25/10/2020	99.965242	0.0347584	PIS	0	0	0
			AIS	1395	0	616.6931857
24/10/2020	99.895688	0.1043115	PIS	0	0	0
			AIS	1347	0	621.3913504
23/10/2020	99.930459	0.069541	PIS	0	0	0
			AIS	2134	0	705.9066556
22/10/2020	99.965181	0.0348189	PIS	0	0	0
			AIS	3432	0	621.2407407
21/10/2020	99.965254	0.0347464	PIS	0	0	0
			AIS	3978	0	671.2170163
20/10/2020	99.965229	0.0347705	PIS	0	0	0
			AIS	1996	0	586.5953722
19/10/2020	99.930362	0.0696379	PIS	49	0	648.9246939
			AIS	1712	0	598.7221431
18/10/2020	99.89558	0.1044205	PIS	130	0.769230769	651.2503488
			AIS	790	0.379746835	503.7929187
17/10/2020	99.930483	0.0695169	PIS	88	0	617.3201818
			AIS	669	0	548.858009
16/10/2020	99.895761	0.1042391	PIS	190	0	608.8331474
			AIS	1353	0	648.4208285
15/10/2020	99.965553	0.0344471	PIS	202	0	611.9428713
			AIS	1335	0	622.0171798
14/10/2020	99.965229	0.0347705	PIS	251	0	611.6578645
			AIS	1361	0	609.3155922
13/10/2020	100	0	PIS	244	0	616.0296352
			AIS	1578	0	590.3752003
12/10/2020	99.930483	0.0695169	PIS	271	0	608.645417
			AIS	1753	0	523.9821358
11/10/2020	100	0	PIS	130	0	622.9387538
			AIS	855	0	560.3948784
10/10/2020	99.930507	0.0694927	PIS	86	0	629.3615
			AIS	1247	0	502.9092221
09/10/2020	99.965254	0.0347464	PIS	205	0	608.4726244
			AIS	1476	0	577.4768509
08/10/2020	99.930507	0.0694927	PIS	219	0	604.6303744
			AIS	1768	0	611.3507019

07/10/2020	100	0	PIS	212	0	596.7888443
			AIS	1221	0	654.3424365
06/10/2020	100	0	PIS	225	0	577.8438178
			AIS	1369	0	684.6578371
05/10/2020	99.965242	0.0347584	PIS	248	0	601.5644355
			AIS	1335	0	567.7135243
04/10/2020	99.93058	0.0694203	PIS	104	0	592.3614808
			AIS	809	0	540.7180111
03/10/2020	100	0	PIS	83	0	596.0899639
			AIS	694	0	518.2528156
02/10/2020	100	0	PIS	161	0	586.3986149
			AIS	1220	0	654.391709
01/10/2020	99.972098	0.0279018	PIS	249	0	587.2771767
			AIS	1648	0	597.2033234

# PSU Interface (mobile)

date	Availability statistics		Performance statistics			
	uptime	downtime	response	request_count	error_rate	avg_latency
31/12/2020	99.976371	0.0236295	PIS	173	0	733.9215376
			AIS	977958	0.000511269	102.5289491
30/12/2020	99.88227	0.1177302	PIS	207	0	710.3535894
			AIS	1237643	0.000242396	103.3750043
29/12/2020	99.952786	0.0472144	PIS	236	0	737.5425763
			AIS	1361277	0.000734604	103.2372259
28/12/2020	99.910099	0.0899011	PIS	254	0	753.7140118
			AIS	1117567	0	103.2486019
27/12/2020	99.893617	0.106383	PIS	191	0	752.518089
			AIS	1529290	0.000065390	104.1810799
26/12/2020	99.78821	0.2117896	PIS	155	0	762.2802387
			AIS	1192805	0.000167672	103.5072473
25/12/2020	99.929279	0.0707214	PIS	144	0	766.7883194
			AIS	1299975	0.000076925	103.2178499
24/12/2020	99.752475	0.2475248	PIS	146	0	765.2119041
			AIS	979927	0.000204097	102.844796
23/12/2020	99.928826	0.0711744	PIS	243	0	768.2948807
			AIS	1367982	0.000073100	103.88892
22/12/2020	99.792028	0.2079723	PIS	173	0	754.3997803
			AIS	883541	0.000226362	102.9411749
21/12/2020	99.823446	0.1765537	PIS	189	0	752.2020794
			AIS	837818	0.000238715	104.9632797
20/12/2020	99.823071	0.1769285	PIS	131	0	753.1028626
			AIS	741914	0.00040436	104.5999611
19/12/2020	99.823134	0.1768659	PIS	140	0	761.4091429
			AIS	772118	0	103.4058468
18/12/2020	99.893428	0.1065719	PIS	177	0	752.7699887
			AIS	765545	0.000130626	105.7931091
17/12/2020	99.929204	0.0707965	PIS	304	0	746.4309638
			AIS	1670204	0.000179619	105.339851
16/12/2020	99.964451	0.0355492	PIS	233	0	756.9384034
			AIS	1092734	0	124.4299471
15/12/2020	99.751155	0.2488446	PIS	153	0	760.8295556
			AIS	511766	0.000390804	144.1111021
14/12/2020	99.859006	0.140994	PIS	147	0	751.1020816
			AIS	442948	0.00022576	212.3625155
13/12/2020	99.965096	0.034904	PIS	86	0	731.2936628
			AIS	588877	0.000339629	218.6602362
12/12/2020	99.895434	0.1045661	PIS	98	0	745.8472755
			AIS	589655	0.000169591	222.0347031
11/12/2020	99.860384	0.1396161	PIS	85	0	758.405
			AIS	595297	0.000167983	215.9291589
10/12/2020	99.895507	0.1044932	PIS	143	0	757.6819301
			AIS	489069	0.00061341	210.1010866
09/12/2020	99.860238	0.1397624	PIS	137	0	751.2746788
			AIS	717119	0.000278894	207.0495054
08/12/2020	99.965157	0.0348432	PIS	156	0	735.1998846
			AIS	544657	0.000183602	214.892893
07/12/2020	99.965072	0.0349284	PIS	178	0	749.8192697
			AIS	465607	0	211.2597555

06/12/2020	100	0	PIS	92	0	759.7615761
			AIS	500028	0	201.2514619
05/12/2020	99.89547	0.1045296	PIS	75	0	752.5729867
			AIS	464951	0	200.9982207
04/12/2020	99.825662	0.1743375	PIS	147	0	752.6667075
			AIS	678507	0.000294765	205.4313871
03/12/2020	99.930216	0.0697837	PIS	169	0	751.2881361
			AIS	587531	0.000170204	216.3848185
02/12/2020	99.930094	0.0699056	PIS	166	0	773.591259
			AIS	648880	0.000154112	232.7312112
01/12/2020	99.964801	0.0351989	PIS	260	0	1019.540596
			AIS	1094298	0.000182766	247.3844569
30/11/2020	99.894366	0.1056338	PIS	248	0	1445.426097
			AIS	1155596	0.000086535	246.0244834
29/11/2020	99.895031	0.1049685	PIS	98	0	1376.515378
			AIS	726120	0	233.38296
28/11/2020	99.860579	0.1394214	PIS	107	0	1388.996589
			AIS	938108	0.000319793	242.5824255
27/11/2020	99.895324	0.1046755	PIS	140	0	1354.337779
			AIS	820568	0.000243734	238.133095
26/11/2020	99.965035	0.034965	PIS	265	0	1373.711362
			AIS	1539842	0.000194825	266.2339943
25/11/2020	99.930143	0.0698568	PIS	222	0	1302.165338
			AIS	1280470	0.000078096	290.7460337
24/11/2020	99.965108	0.0348918	PIS	310	0	1320.776361
			AIS	1976612	0.000404733	290.1388477
23/11/2020	99.965229	0.0347705	PIS	211	0	1348.707204
			AIS	1325523	0.000226326	293.7401035
22/11/2020	99.965217	0.0347826	PIS	133	0	1318.35218
			AIS	1163658	0.000085936	288.2671717
21/11/2020	99.930459	0.069541	PIS	150	0	1328.058487
			AIS	1151697	0	277.52846
20/11/2020	100	0	PIS	136	0	1384.080478
			AIS	720763	0.000277484	278.6253892
19/11/2020	99.965229	0.0347705	PIS	127	0	1328.08378
			AIS	505035	0.000396012	279.5464792
18/11/2020	99.965193	0.0348068	PIS	145	0	1296.667986
			AIS	695006	0.000287767	280.6729452
17/11/2020	100	0	PIS	135	0	1304.336222
			AIS	741602	0	282.8328242
16/11/2020	100	0	PIS	128	0	1308.773047
			AIS	530831	0	274.564848
15/11/2020	99.930483	0.0695169	PIS	51	0	1254.867471
			AIS	313332	0	292.2034052
14/11/2020	100	0	PIS	51	0	1329.279098
			AIS	346956	0	279.194554
13/11/2020	99.965205	0.0347947	PIS	90	1.111111111	1294.226169
			AIS	441986	0	282.5598907
12/11/2020	99.975904	0.0240964	PIS	122	0	1293.843607
			AIS	450831	0	271.2508072
11/11/2020	99.969679	0.0303214	PIS	102	0	1365.605431
			AIS	430904	0	276.3617723
10/11/2020	99.929947	0.0700525	PIS	98	0	993.044
			AIS	318319	0.00031415	267.6362512
09/11/2020	99.965047	0.0349528	PIS	108	0	675.9923333
			AIS	377245	0	269.801876
08/11/2020	99.895324	0.1046755	PIS	55	0	709.5095273
			AIS	380324	0	272.3779592
07/11/2020	99.96501	0.0349895	PIS	75	0	681.7145867
			AIS	542115	0	279.6149514

06/11/2020	99.860579	0.1394214	PIS	123	0	669.8215366
			AIS	559206	0.000178825	268.3328735
05/11/2020	99.936528	0.0634719	PIS	117	0	693.37
			AIS	569752	0	270.9761154
04/11/2020	99.965193	0.0348068	PIS	83	0	675.743012
			AIS	343560	0.00029107	270.0634494
03/11/2020	100	0	PIS	74	0	647.9653784
			AIS	273466	0.000731352	254.4577735
02/11/2020	100	0	PIS	111	0	647.2067928
			AIS	277960	0.000359764	223.5799856
01/11/2020	99.930459	0.069541	PIS	54	0	697.9164815
			AIS	223050	0	215.605221
31/10/2020	99.89558	0.1044205	PIS	52	0	675.8292885
			AIS	282589	0.001415483	219.6087767
30/10/2020	99.965229	0.0347705	PIS	62	0	673.1749516
			AIS	266156	0	223.315631
29/10/2020	100	0	PIS	93	0	661.7570323
			AIS	284977	0.000350906	226.1676224
28/10/2020	99.930314	0.0696864	PIS	98	0	641.9237959
			AIS	360963	0	222.1894907
27/10/2020	99.895688	0.1043115	PIS	112	0	643.3346071
			AIS	383208	0.000260955	219.0316422
26/10/2020	100	0	PIS	102	0	642.0067059
			AIS	292291	0	217.1863858
25/10/2020	99.965242	0.0347584	PIS	51	0	633.3067059
			AIS	223400	0	199.5263069
24/10/2020	99.895688	0.1043115	PIS	40	0	751.60805
			AIS	250618	0	201.5618885
23/10/2020	99.930459	0.069541	PIS	101	0	643.1408812
			AIS	297719	0	200.4135474
22/10/2020	99.965181	0.0348189	PIS	131	0	630.6469847
			AIS	450640	0.001109533	200.7777208
21/10/2020	99.965254	0.0347464	PIS	150	0	621.3488267
			AIS	458691	0.000436023	198.6621233
20/10/2020	99.965229	0.0347705	PIS	111	0	627.8065405
			AIS	249828	0	196.9634303
19/10/2020	99.930362	0.0696379	PIS	85	0	629.1318
			AIS	203576	0	188.2976351
18/10/2020	99.89558	0.1044205	PIS	32	0	658.8782813
			AIS	126784	0.217693084	172.3192202
17/10/2020	99.930483	0.0695169	PIS	41	0	658.3731951
			AIS	117144	0	168.3503951
16/10/2020	99.895761	0.1042391	PIS	70	0	627.2413714
			AIS	153010	0	168.5951769
15/10/2020	99.965553	0.0344471	PIS	92	0	640.1567391
			AIS	159084	0	169.7810753
14/10/2020	99.965229	0.0347705	PIS	59	0	632.3528644
			AIS	156822	0	170.2234746
13/10/2020	100	0	PIS	105	0	635.7774095
			AIS	174787	0	169.3856623
12/10/2020	99.930483	0.0695169	PIS	94	0	601.4868511
			AIS	212038	0	169.900777
11/10/2020	100	0	PIS	57	0	638.1330175
			AIS	149604	0.000668431	171.4395517
10/10/2020	99.930507	0.0694927	PIS	57	0	618.0393509
			AIS	182947	0	172.5792028
09/10/2020	99.965254	0.0347464	PIS	74	0	643.3399459
			AIS	166887	0.000599208	171.8340725
08/10/2020	99.930507	0.0694927	PIS	81	0	619.9573951
			AIS	154202	0.0006485	170.9534278

07/10/2020	100	0	PIS	74	0	607.2264054
			AIS	118078	0	168.749904
06/10/2020	100	0	PIS	106	0	592.6964811
			AIS	151895	0	170.9690431
05/10/2020	99.965242	0.0347584	PIS	94	0	589.3974574
			AIS	135758	0	166.4938058
04/10/2020	99.93058	0.0694203	PIS	30	0	601.5801667
			AIS	119739	0.00083515	168.8809406
03/10/2020	100	0	PIS	34	0	598.1483235
			AIS	95134	0	168.720384
02/10/2020	100	0	PIS	62	0	592.3870161
			AIS	145077	0	172.8511094
01/10/2020	99.972098	0.0279018	PIS	84	0	577.0918929
			AIS	169338	0	166.9795684