### **Bitstamp**

# INTERFACE PERFORMANCE AND UPTIME REPORT Q4 2021

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## **Dedicated interface**

Availability statistics			Performance statistics				
date	uptime	downtime	response	request_count	error_rate	avg_latency	
			AISP	0	0	0	
31/12/2021	100	0	PISP	0	0	0	
			СВРІІ	0	0	0	
			AISP	0	0	0	
30/12/2021	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
29/12/2021	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
28/12/2021	99.961	0.039	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
27/12/2021	99.987	0.013	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
26/12/2021	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
25/12/2021	100	0 0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
24/12/2021	99.974	0.026	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
23/12/2021	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
22/12/2021	99.973	0.027	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
21/12/2021	99.987	0.013	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
20/12/2021	100	0	PISP	0	0	0	
			CBPII	0	0	0	

			AISP	0	0	0
19/12/2021	19/12/2021 99.987	0.013	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
18/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
17/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
16/12/2021	99.987	0.013	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
15/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
14/12/2021	99.987	0.013	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
13/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
12/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
11/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
10/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
09/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
08/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
07/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
06/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0

			AISP	0	0	0
05/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
04/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
03/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
02/12/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
01/12/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
30/11/2021	100	0	PISP	0	0	0
, ,			CBPII	0	0	0
			AISP	0	0	0
29/11/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
28/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
27/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
26/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
25/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
24/11/2021	100	0	PISP	0	0	0
. ,			CBPII	0	0	0
			AISP	0	0	0
23/11/2021	99.634	0.366	PISP	0	0	0
. ,			CBPII	0	0	0
			AISP	0	0	0
22/11/2021	100	0	PISP	0	0	0
, ,			СВРІІ	0	0	0

			AISP	0	0	0
21/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
20/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
19/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
18/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
17/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
16/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
15/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
		AISP	0	0	0	
14/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
13/11/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
12/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
11/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
10/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
09/11/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
08/11/2021	100	0	PISP	0	0	0
• •				0	0	0

			AISP	0	0	0
07/11/2021	07/11/2021 99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
06/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
05/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
04/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
03/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
02/11/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
01/11/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
31/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
30/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
29/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
28/10/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
27/10/2021	99.987	0.013	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
26/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
25/10/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0

			AISP	0	0	0
24/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
23/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
22/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
21/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
20/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
19/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
18/10/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
17/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
16/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
15/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
14/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
13/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
12/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
11/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0

			AISP	0	0	0
10/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
09/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
08/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
07/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
06/10/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
05/10/2021	99.988	0.012	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
04/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
03/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
02/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
01/10/2021	100	0	PISP	0	0	0
			CBPII	0	0	0

# PSU Interface (web)

		Availability statistics		Performance statistics			
date	uptime	downtime	response	request_count	error_count	avg_latency	
31/12/2021	99.788	0.212	AISP	2098	4	1637,419	
31/12/2021	99.700	0.212	PISP	0	0	0	
30/12/2021	100	0	AISP	2197	0	1518,615	
30/12/2021	100	U	PISP	0	0	0	
29/12/2021	100	0	AISP	2911	3	1504,396	
29/12/2021	100	0	PISP	0	0	0	
20/12/2021	99.941	0.050	AISP	2586	0	1497,719	
28/12/2021	99.941	0.059	PISP	0	0	0	
07/10/0001	00.051	0.140	AISP	2273	0	1448,518	
27/12/2021	99.851	0.149	PISP	0	0	0	
00/10/0001	00.000	0.070	AISP	1389	0	1504,679	
26/12/2021	99.930	0.070	PISP	0	0	0	
a= /10 /0001	00.005	0.005	AISP	907	0	1476,255	
25/12/2021	/12/2021 99.965	0.035	PISP	0	0	0	
0.4/10/0001	, ,	00.050	0141	AISP	1398	0	1517,348
24/12/2021 99.859	0.141	PISP	0	0	0		
	3/12/2021 99.930	99.930 0.070	AISP	2038	0	1510,726	
23/12/2021			PISP	0	0	0	
00/10/2001			AISP	2143	0	1569,742	
22/12/2021	99.930	0.070	PISP	0	0	0	
0.1.0.10.00	00.050		AISP	2252	0	1580,562	
21/12/2021	99.859	0.141	PISP	0	0	0	
00/10/0001	00.000	0.140	AISP	2259	4	1763,540	
20/12/2021	99.860	0.140	PISP	0	0	0	
10/10/0001	00.000	0.070	AISP	1557	0	1522,147	
19/12/2021	99.930	0.070	PISP	0	0	0	
	22.22		AISP	1172	7	1642,189	
18/12/2021	99.965	0.035	PISP	0	0	0	
17/10/000	00.00=	0.00=	AISP	2168	0	1565,623	
17/12/2021	99.965	0.035	PISP	0	0	0	
10/10/222	00.000	0.070	AISP	2645	0	1564,863	
16/12/2021	99.930	0.070	PISP	0	0	0	
15/10/222	20.222	0.070	AISP	2360	0	1514,409	
15/12/2021	99.930	0.070	PISP	0	0	0	
14/10/0555	00.05=	0.00=	AISP	2428	0	1607,783	
14/12/2021	99.965	0.035	PISP	0	0	0	

10/10/0001	13/12/2021 99.930	0.070	AISP	2471	0	1645,736
13/12/2021	99.930	0.070	PISP	0	0	0
10/10/0001	00.000	0.070	AISP	1581	0	1771,836
12/12/2021	99.930	0.070	PISP	0	0	0
11/10/0001	00.005	0.105	AISP	1588	0	1635,172
11/12/2021	99.895	0.105	PISP	0	0	0
10/10/0001	00.005	0.105	AISP	2435	0	1585,211
10/12/2021	99.895	0.105	PISP	0	0	0
00/10/2021	99.930	0.070	AISP	2504	0	1494,254
09/12/2021		0.070	PISP	0	0	0
08/12/2021	00.065	0.025	AISP	2547	0	1433,191
08/12/2021	99.965	0.035	PISP	0	0	0
07/10/2021	00.065	0.025	AISP	2387	0	1307,848
07/12/2021	99.965	0.035	PISP	0	0	0
06/12/2021	100	0	AISP	2732	0	1177,917
06/12/2021	100	0	PISP	0	0	0
05/10/2021	00.020	0.070	AISP	2171	0	1215,201
05/12/2021 99.930	0.070	PISP	0	0	0	
04/12/2021 99.894	0.106	AISP	2822	0	1204,118	
	0.106	PISP	0	0	0	
03/12/2021 99.965	65 0.035	AISP	1986	0	1197,932	
03/12/2021	99.905	0.030	PISP	0	0	0
02/12/2021	99.965	0.035	AISP	5	0	1063,765
02/12/2021	99.905		PISP	0	0	0
01/12/2021	100	0	AISP	63	0	1134,895
01/12/2021	100	O O	PISP	0	0	0
30/11/2021	99.854	0.146	AISP	2094	0	1233,737
30/11/2021	99.054	0.140	PISP	0	0	0
29/11/2021	99.881	0.119	AISP	5	0	1526,771
29/11/2021	99.001	0.119	PISP	0	0	0
28/11/2021	99.857	0.143	AISP	70	0	1171,172
20/11/2021	33.037	0.143	PISP	0	0	0
27/11/2021	99.964	0.036	AISP	1558	0	1245,205
27/11/2021	99.904	0.030	PISP	0	0	0
26/11/2021	99.964	0.036	AISP	2244	0	1275,800
20/11/2021	99.904	0.030	PISP	0	0	0
25/11/2021	99.785	0.215	AISP	2151	0	1276,417
20/11/2021	უუ./ბე	0.215	PISP	0	0	0
24/11/2021	00.000	0.070	AISP	467	0	1230,960
24/11/2021	99.928	0.072	PISP	0	0	0
22/11/2021	00.425	0.565	AISP	328	0	1308,417
23/11/2021	99.435	0.565	PISP	0	0	0

22/11/2021	99.930	0.070	AISP	722	0	1253,823				
22/11/2021	22/11/2021 00.000	0.070	PISP	0	0	0				
21/11/2021	99.930	0.070	AISP	814	0	1243,623				
21/11/2021	99.930	0.070	PISP	0	0	0				
20/11/2021 99.930	0.070	AISP	446	0	1291,044					
	0.070	PISP	0	0	0					
10/11/0001	00.050	0.141	AISP	548	0	1290,936				
19/11/2021	11/2021 99.859	0.141	PISP	0	0	0				
10/11/0001	21 99.859	00.050		00.050	0.141	AISP	397	0	1247,500	
18/11/2021		0.141	PISP	0	0	0				
17/11/0001	00.005	0.105	AISP	587	0	1344,912				
17/11/2021	99.895	0.105	PISP	0	0	0				
		2.005	AISP	842	0	1705,954				
16/11/2021	99.965	0.035	PISP	0	0	0				
15/11/2021 99.929	0.0=-	AISP	489	0	1653,933					
	0.071	PISP	0	0	0					
14/11/2021 99.930		0.075	AISP	540	0	1684,239				
	0.070	PISP	0	0	0					
13/11/2021 99.824	00.004	00.004		AISP	1009	0	1674,937			
	0.176	PISP	0	0	0					
12/11/2021 99.965		AISP	1482	0	1845,319					
	0.035	PISP	0	0	0					
		29 0.071	AISP	1036	0	1714,579				
11/11/2021	99.929		PISP	0	0	0				
10/11/0001			AISP	955	0	1643,887				
10/11/2021	99.693	0.307	PISP	0	0	0				
/ /				22.222	00.000		AISP	3838	0	1653,944
09/11/2021	99.826	0.174	PISP	0	0	0				
00/11/00==	00.00=	2.115	AISP	3970	0	1687,077				
08/11/2021	99.885	0.115	PISP	0	0	0				
07/11/0055	00.00=	0.00-	AISP	1880	0	1600,168				
07/11/2021	99.965	0.035	PISP	0	0	0				
00/11/00==	00.00=	2.2-	AISP	1730	0	1585,559				
06/11/2021	99.895	0.105	PISP	0	0	0				
a= lu la	00.5.7	0.55-	AISP	2483	0	1667,297				
05/11/2021	99.965	0.035	PISP	0	0	0				
0.4/2./2.2.	06.55-		AISP	2678	0	1703,806				
04/11/2021	99.895	0.105	PISP	0	0	0				
! !			AISP	3310	0	1639,752				
03/11/2021	99.858	0.142	PISP	0	0	0				
			AISP	3257	0	1624,185				
02/11/2021	99.930	0.070	PISP	0	0	0				

01/11/0001	/2021 99.859	0.141	AISP	2616	0	1605,095					
01/11/2021	99.859	0.141	PISP	0	0	0					
01/10/0001	00.005	0.005	AISP	2219	0	1636,294					
31/10/2021	99.965	0.035	PISP	0	0	0					
00/10/0001	00.005	0.005	AISP	1964	0	1619,093					
30/10/2021	99.965	0.035	PISP	0	0	0					
00/10/0001	00.000	0.071	AISP	2627	0	1733,427					
29/10/2021	99.929	0.071	PISP	0	0	0					
00/10/0001	99.929	0.071	AISP	2735	0	1682,371					
28/10/2021		0.071	PISP	0	0	0					
07/10/0001	00.005	2.225	AISP	3040	0	1617,961					
27/10/2021	99.965	0.035	PISP	0	0	0					
00/10/0001	00.000	0.071	AISP	1526	0	1574,091					
26/10/2021	99.929	0.071	PISP	0	0	0					
05/10/0003	100	_	AISP	2525	0	1538,258					
25/10/2021	5/10/2021 100	0	PISP	0	0	0					
0.4/10/0001	00.700	0.014	AISP	1397	0	1502,364					
24/10/2021	10/2021 99.786	0.214	PISP	0	0	0					
00/10/0001		0.140	AISP	1652	0	1499,055					
23/10/2021 99.857	0.143	PISP	0	0	0						
22/10/2021 99.929	0.071	AISP	2535	0	1532,403						
	0.071	PISP	0	0	0						
0./20/0002		.965 0.035	AISP	3682	0	1494,552					
21/10/2021	99.965		PISP	0	0	0					
00/10/0001		00.004	00.064	00.064	00.064	2.222	AISP	3487	0	1372,364	
20/10/2021	99.964	0.036	PISP	0	0	0					
10/10/0001	00.004	00.004	00.004	00.004	00.004	00.004	0.100	AISP	2599	0	1357,461
19/10/2021	99.894	0.106	PISP	0	0	0					
10/10/0001	00.005	0.175	AISP	2533	0	1347,656					
18/10/2021	99.825	0.175	PISP	0	0	0					
17/10/0001	00.005	0.105	AISP	1954	0	1320,428					
17/10/2021	99.895	0.105	PISP	0	0	0					
16/10/0001	00.000	0.070	AISP	2197	0	1446,714					
16/10/2021	99.930	0.070	PISP	0	0	0					
1E /10/0001	00.000	0.070	AISP	3147	0	1394,219					
15/10/2021	99.930	0.070	PISP	0	0	0					
14/10/0001	00.005	0.105	AISP	2491	0	1356,474					
14/10/2021	99.895	0.105	PISP	0	0	0					
10/10/000	100		AISP	2500	0	1344,892					
13/10/2021	100	0	PISP	0	0	0					
10/10/000	00.005	0.105	AISP	2514	0	1341,101					
12/10/2021	99.895	0.105	PISP	0	0	0					

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11/10/2021	11/10/2021 99.894	0.106	AISP	2648	0	1319,673
11/10/2021		0.100	PISP	0	0	0
10/10/2021	10/10/2021 99.894	0.106	AISP	1707	0	1299,396
10/10/2021	99.094	0.100	PISP	0	0	0
09/10/2021	99.930	0.070	AISP	1477	0	1284,926
09/10/2021	99.930	0.070	PISP	0	0	0
08/10/2021	99.895	0.105	AISP	2312	0	1320,621
08/10/2021	99.895	0.105	PISP	0	0	0
07/10/2021 100	0	AISP	3023	0	1295,989	
	0	PISP	0	0	0	
00/10/0001	00.700	0.212	AISP	5072	0	1280,333
06/10/2021	99.788	U.ZIZ	PISP	0	0	0
05/10/2021	99.929	0.071	AISP	2413	0	1300,582
05/10/2021	99.929		PISP	0	0	0
04/10/2021	00.004	0.106	AISP	2087	0	1315,244
04/10/2021	99.894	0.106	PISP	0	0	0
02/10/2021	00.050	0.141	AISP	1800	0	1325,748
03/10/2021	99.859	0.141	PISP	0	0	0
02/10/2021	99.930	0.070	AISP	1472	0	1305,761
02/10/2021	99.93U	0.070	PISP	0	0	0
01/10/2001	99.965	0.025	AISP	2259	0	1314,339
01/10/2021	99.905	0.035	PISP	0	0	0

# PSU Interface (mobile)

		ability istics	Performance statistics			
date	uptime	downtime	response	request_count	error_rate	avg_latency
31/12/2021 99.788	0.212	AISP	722606	0	429,168	
31/12/2021	99.700	0.212	PISP	156	0	715,455
30/12/2021	100	0	AISP	786529	0	425,347
30/12/2021	100	0	PISP	224	0	699,250
29/12/2021	100	0	AISP	847708	0	423,065
29/12/2021	100	0	PISP	244	0	691,544
28/12/2021	99.941	0.059	AISP	924516	0	426,060
20/12/2021	99.941	0.059	PISP	244	0	704,508
27/12/2021	99.851	0.149	AISP	999043	0	429,441
2//12/2021	99.001	0.149	PISP	301	0	711,210
26/12/2021	99.930	0.070	AISP	781904	0	424,287
20/12/2021	99.930	0.070	PISP	148	0	705,423
25/12/2021	00.065	0.035	AISP	735505	0	425,904
25/12/2021	99.965	0.035	PISP	103	0	711,145
0.4/10/0001	00.050	0.141	AISP	970347	0	423,572
24/12/2021	99.859		PISP	188	0	712,637
00/10/0001	00.000		AISP	1112028	0	429,071
23/12/2021	99.930	0.070	PISP	245	0	705,058
00/10/0001	00.000	0.000	AISP	961516	0	427,116
22/12/2021	99.930	0.070	PISP	263	0	717,522
21/12/2021	00.050	59 0.141	AISP	961143	0,006	461,703
21/12/2021	99.859		PISP	296	0	752,344
20/12/2021	0/0001	0.140	AISP	901695	0,016	479,697
20/12/2021	99.860	0.140	PISP	247	0	717,414
19/12/2021	00.000	0.070	AISP	700053	0	476,148
19/12/2021	99.930		PISP	141	0	698,987
18/12/2021	99.965	0.035	AISP	678225	0,150	513,021
10/12/2021	99.905	0.035	PISP	143	0	702,609
17/10/2021	00.065	0.035	AISP	831054	0	475,735
17/12/2021	99.965		PISP	194	0	722,577
16/10/0001	99.930	0.070	AISP	899590	0	470,886
16/12/2021			PISP	251	0	700,435
15/10/0001	99.930	0.070	AISP	1016855	0	476,294
15/12/2021			PISP	263	0	715,036
14/10/0001	00.005	0.035	AISP	947713	0	474,710
14/12/2021	99.965		PISP	229	0	694,925

13/12/2021	99.930	0.070	AISP	1033500	0	479,134
13/12/2021	99.930	0.070	PISP	321	0	709,805
12/12/2021 99.930	00.020	0.070	AISP	860019	0	471,653
	0.070	PISP	183	0	710,818	
11/10/0001	99.895	0.105	AISP	847944	0	471,350
11/12/2021	99.695	0.105	PISP	146	0	718,922
10/12/2021	99.895	0.105	AISP	1158213	0	476,956
10/12/2021	99.095	0.105	PISP	252	0	720,921
09/12/2021	99.930	0.070	AISP	1180393	0	478,897
09/12/2021	99.930	0.070	PISP	253	0	714,920
08/12/2021	99.965	0.035	AISP	1080918	0	470,083
06/12/2021	99.900	0.035	PISP	246	0	723,026
07/12/2021	00.065	0.035	AISP	1102112	0	424,580
0//12/2021	99.965	0.035	PISP	222	0	708,037
06/10/2021	100		AISP	1149809	0	412,016
06/12/2021	100	0	PISP	263	0	705,110
05/10/0001	99.930	0.070	AISP	980611	0	410,974
05/12/2021			PISP	137	0	729,472
0.4/10/0001	99.894	0.106	AISP	1382857	0	425,033
04/12/2021			PISP	109	0	725,868
02/10/0001	99.965	0.035	AISP	975083	0	418,110
03/12/2021			PISP	246	0	708,701
00/10/0001	99.965	0.035	AISP	2213	0	410,459
02/12/2021			PISP	0	0	0
01/12/2021	100	0	AISP	43942	0	383,543
01/12/2021	100		PISP	9	0	750,673
20/11/0001	99.854	0.146	AISP	905342	0	424,506
30/11/2021			PISP	248	0	706,157
00/11/0001	99.881	0.119	AISP	3665	0	410,889
29/11/2021			PISP	3	0	701,335
00/11/0001	99.857	7 0.143	AISP	69406	0	384,983
28/11/2021			PISP	9	0	658,899
	99.964	0.000	AISP	876322	0	400,005
27/11/2021		0.036	PISP	156	0	663,478
les le -	99.964	0.036	AISP	1171347	0	418,558
26/11/2021			PISP	201	0	664,927
05/11/0001	99.785	0.215	AISP	1322125	0	411,472
25/11/2021			PISP	314	0	678,372
04/11/0001	99.928	0.072	AISP	271592	0	410,489
24/11/2021			PISP	59	0	653,932
00/11/000	00.40=	0.565	AISP	170361	0	390,479
23/11/2021	99.435		PISP	45	0	676,553

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22/11/2021	99.930	0.070	AISP	331884	0	380,519
			PISP	106	0	661,733
21/11/2021 99.930	99.930	0.070	AISP	415256	0	378,409
			PISP	102	0	684,865
20/11/2021	99.930	0.070	AISP	275016	0	381,068
20/11/2021		0.070	PISP	47	0	676,578
19/11/2021	99.859	0.141	AISP	284321	0	387,897
10/11/2021		0.141	PISP	58	0	691,712
18/11/2021	99.859	0.141	AISP	220622	0	392,165
10/11/2021	33.033	0.141	PISP	71	0	664,395
17/11/2021	99.895	0.105	AISP	299604	0	385,766
17/11/2021	99.095	0.103	PISP	69	0	679,910
16/11/2021	99.965	0.035	AISP	394724	0	648,758
10/11/2021	əə.əuə	0.030	PISP	75	0	673,925
15/11/2021	99.929	0.071	AISP	261373	0	647,125
10/11/2021	99.929 	0.071	PISP	104	0	662,490
14/11/2021	00.000	0.070	AISP	300374	0	645,536
14/11/2021	99.930		PISP	80	0	673,198
10/11/0001	99.824	0.176	AISP	623540	0	651,839
13/11/2021			PISP	149	0	671,593
10/11/0001		0.035	AISP	759943	0	660,210
12/11/2021	99.965		PISP	184	0	677,298
11/11/0001	99.929	0.071	AISP	536212	0	655,491
11/11/2021			PISP	145	0	684,606
10/11/0001		0.007	AISP	495981	0	633,494
10/11/2021	99.693	0.307	PISP	151	0	680,322
00/11/0001	99.826	0.174	AISP	2025948	0	655,734
09/11/2021			PISP	576	0	674,215
00/11/00=	99.885	0.115	AISP	2087549	0	646,897
08/11/2021 99.8			PISP	586	0	667,733
07/11/000	99.965	0.035	AISP	1205583	0	604,702
07/11/2021			PISP	268	0	661,126
, .	99.895	2:2=	AISP	960271	0	601,543
06/11/2021		0.105	PISP	229	0	666,020
05/11/05	99.965	0.035	AISP	1159353	0	602,100
05/11/2021			PISP	365	0	668,575
0.4/11/00==	99.895	0.105	AISP	1360174	0,001	610,154
04/11/2021			PISP	405	0	662,666
les le -	99.858	0.142	AISP	1804567	0,001	626,501
03/11/2021			PISP	530	0	667,981
, ,			AISP	1740784	0,000	628,017
02/11/2021	99.930	0.070	PISP	523	0	672,521

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01/11/2021	99.859	0.141	AISP	1277501	0,000	614,773
			PISP	438	0	663,829
31/10/2021 99.965	99 965	0.035	AISP	1337708	0,001	616,056
	0.000	PISP	269	0	666,487	
30/10/2021	99.965	0.035	AISP	1122579	0,000	608,955
30/10/2021		0.035	PISP	239	0	665,983
29/10/2021	99.929	0.071	AISP	1393937	0,000	613,629
20/10/2021	00.020	0.071	PISP	427	0	677,227
28/10/2021	99.929	0.071	AISP	1296099	0,000	612,371
20/10/2021	99.929	0.071	PISP	424	0	674,109
27/10/2021	99.965	0.035	AISP	1368328	0,000	620,955
27/10/2021	99.905	0.035	PISP	432	0	685,652
26/10/2021	99.929	0.071	AISP	735350	0,000	610,160
20/10/2021	55.525 	0.071	PISP	269	0	674,633
25/10/2021	100	0	AISP	1212150	0	591,761
20/10/2021	100	U	PISP	452	0	679,253
24/10/2021	00.700	0.214	AISP	886931	0,000	538,090
24/10/2021	99.786		PISP	262	0	661,222
02/10/0001	00.057	0.143	AISP	883062	0,000	539,006
23/10/2021	99.857		PISP	249	0	678,597
00/10/0001	00.000	0.071	AISP	1165346	0,000	547,619
22/10/2021	99.929		PISP	365	0	671,455
01/10/0001	99.965	0.035	AISP	1667813	0,000	550,100
21/10/2021			PISP	517	0	681,023
00/10/0001	00.004	0.000	AISP	1770861	0,000	541,438
20/10/2021	99.964	0.036	PISP	565	0	658,009
10/10/000	99.894	0.106	AISP	1224656	0,000	527,136
19/10/2021			PISP	472	0	667,340
10/10/22	99.825		AISP	1118322	0,001	520,491
18/10/2021		0.175	PISP	465	0	659,619
	99.895		AISP	960511	0,001	517,543
17/10/2021		0.105	PISP	312	0	657,912
solve lees	99.930		AISP	1277888	0,001	522,880
16/10/2021		0.070	PISP	302	0	661,886
	99.930	0.070	AISP	1675024	0,000	531,343
15/10/2021			PISP	477	0	662,819
/ /	99.895	0.105	AISP	1262513	0,001	526,254
14/10/2021			PISP	429	0	666,396
	100	0	AISP	1010533	0,000	520,344
13/10/2021			PISP	359	0	676,700
		0.105	AISP	1043579	0,000	521,584
12/10/2021	99.895		PISP	400	0	657,274

			AISP	1221809	0,000	521,804
11/10/2021	99.894	0.106	PISP	426	0	658,100
10/10/2021	99.894	0.106	AISP	991445	0,000	503,734
			PISP	297	0	659,012
09/10/2021	99.930	0.070	AISP	1011442	0,000	503,035
00/10/2021		0.070	PISP	252	0	665,928
08/10/2021	99.895	0.105	AISP	1054615	0,000	503,934
06/10/2021	99.695		PISP	359	0	661,072
07/10/0001		0	AISP	1213367	0,000	502,861
07/10/2021	100		PISP	448	0	680,497
06/10/2021	99.788	0.212	AISP	1685019	0,000	514,818
06/10/2021			PISP	553	0	619,168
05/10/2021	99.929	0.071	AISP	1297163	0,000	504,925
05/10/2021			PISP	425	0	661,662
0.4/10/0001	99.894	0.106	AISP	1128073	0,000	503,895
04/10/2021			PISP	398	0	665,181
00/10/0001	99.859	0.141	AISP	1121481	0,000	506,264
03/10/2021			PISP	264	0	676,862
00/10/000	99.930	0.070	AISP	1080333	0,000	504,741
02/10/2021			PISP	261	0	663,373
01/10/2021	99.965	0.035	AISP	1277367	0,000	508,729
01/10/2021			PISP	371	0	661,629