## **Bitstamp**

Q1 2023

# Interface performance and uptime report

#### **Dedicated interface**

		ability istics	Performance statistics				
date	uptime	downtime	response	request_count	error_rate	avg_latency	
			AISP	0	0	0	
31/03/2023	100	0	PISP	0	0	0	
0., 00, 000			CBPII	0	0	0	
			AISP	0	0	0	
30/03/2023 100	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
29/03/2023	100	0	PISP	0	0	0	
23/03/2023	, and the second	CBPII	0	0	0		
			AISP	0	0	0	
28/03/2023 100	0	PISP	0	0	0		
., ,		-	CBPII	0	0	0	
			AISP	0	0	0	
27/03/2023 100	100	0	PISP	0	0	0	
		CBPII	0	0	0		
			AISP	0	0	0	
26/03/2023 100	0	PISP	0	0	0		
		CBPII	0	0	0		
			AISP	0	0	0	
25/03/2023	100	0	PISP	0	0	0	
		ŭ	CBPII	0	0	0	
			AISP	0	0	0	
24/03/2023	100	0	PISP	0	0	0	
, ,			CBPII	0	0	0	
		52 0,0248	AISP	0	0	0	
23/03/2023	99,9752		PISP	0	0	0	
		3,52.13	CBPII	0	0	0	
			AISP	0	0	0	
22/03/2023	100	0	PISP	0	0	0	
,,			CBPII	0	0	0	
			AISP	0	0	0	
21/03/2023	100	0	PISP	0	0	0	
2., 00, 2020			CBPII	0	0	0	
			AISP	0	0	0	
20/03/2023	100	0	PISP	0	0	0	
.,,			CBPII	0	0	0	
			AISP	0	0	0	
19/03/2023	100	0	PISP	0	0	0	
. 5, 55, 2525			CBPII	0	0	0	
			AISP	0	0	0	
18/03/2023	100	0	PISP	0	0	0	
. 5, 55, 2025			CBPII	0	0	0	
			AISP	0	0	0	
17/03/2023	100	0	PISP	0	0	0	
11/03/2023	100		CBPII	0	0	0	

			AISP	0	0	0	
16/03/2023	100	0	PISP	0	0	0	
,,		-	CBPII	0	0	0	
			AISP	0	0	0	
15/03/2023	100	0	PISP	0	0	0	
13/03/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
14/03/2023	100	0	PISP	0	0	0	
1 1/03/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
13/03/2023	100	0	PISP	0	0	0	
13/03/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
12/03/2023	100	0	PISP	0	0	0	
12/03/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
11/02/2022	100		PISP	0	0	0	
11/03/2023 100	0	CBPII	0	0	0		
			AISP	0	0	0	
40/02/2022	100		PISP	0	0	0	
10/03/2023	10/03/2023 100	0	CBPII	0	0	0	
			AISP	0	0	0	
				PISP	0	0	0
09/03/2023	100	0	CBPII	0	0	0	
	100	0	AISP	0	0	0	
	100		PISP	0	0	0	
08/03/2023			CBPII	0	0	0	
			AISP	0	0	0	
		0	PISP	0	0	0	
07/03/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
			PISP	0	0	0	
06/03/2023	100	0	CBPII	0	0	0	
			AISP	0	0	0	
			PISP	0	0	0	
05/03/2023	100	0	CBPII	0	0	0	
			AISP	0	0	0	
04/03/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP PISP	0	0	0	
03/03/2023	100	0		0	0		
			CBPII	0	0	0	
			AISP	0	0	0	
02/03/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
01/03/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
28/02/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
27/02/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
26/02/2023	100	0	PISP	0	0	0	
·			CBPII	0	0	0	
26/02/2023	100	0					

			AISP	0	0	0			
25/02/2023	100	0	PISP	0	0	0			
		_	CBPII	0	0	0			
			AISP	0	0	0			
24/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
23/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
						AISP	0	0	0
22/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
21/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
20/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
19/02/2023	100	0	PISP	0	0	0			
		CBPII	0	0	0				
			AISP	0	0	0			
18/02/2023	18/02/2023 100 17/02/2023 100 16/02/2023 100	0	PISP	0	0	0			
					CBPII	0	0	0	
			AISP	0	0	0			
17/02/2023	100	0	PISP	0	0	0			
	177 027 2023		CBPII	0	0	0			
			AISP	0	0	0			
16/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
15/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
14/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
13/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
12/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
11/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
10/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
09/02/2023	100	0	PISP	0	0	0			
			CBPII	0	0	0			
			AISP	0	0	0			
08/02/2023	100	0	PISP	0	0	0			
00,02,2023	100		СВРІІ	0	0	0			
			<u>I</u>	<u>I</u>	I	I			

AISP   0	
CBPII	
CBPII   O	
06/02/2023 100 0 PISP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
CBPII	
05/02/2023 100 0 PISP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
05/02/2023 100 0 PISP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
CBPII	
04/02/2023 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
04/02/2023 100 0 PISP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
CBPII   O	
CBPII   O	
03/02/2023 100 0 PISP 0 0 0 0  CBPII 0 0 0 0  02/02/2023 100 0 PISP 0 0 0 0  CBPII 0 0 0 0  CBPII 0 0 0 0  OCBPII 0	
03/02/2023 100 0 PISP 0 0 0 0  CBPII 0 0 0 0  02/02/2023 100 0 PISP 0 0 0 0  CBPII 0 0 0 0  CBPII 0 0 0 0  OCBPII 0 0 0 0 0  OCBPI	
CBPII   O	
O2/02/2023   100   O	
02/02/2023 100 0 PISP 0 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  01/02/2023 100 0 PISP 0 0 0 0  CBPII 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  AISP 0 0 0 0  This property of the state of the st	
CBPII   O	
01/02/2023 100 0 PISP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
01/02/2023 100 0 PISP 0 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  PISP 0 0 0 0  AISP 0 0 0 0  CBPII 0 0 0 0  CBPII 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  AISP 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  CBPII 0 0 0 0	
CBPII   O	
AISP   0	
31/01/2023   100   0   PISP   0   0   0   0	
CBPII   O   O   O	
30/01/2023 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
30/01/2023 100 0 PISP 0 0 0 0 0  CBPII 0 0 0 0  AISP 0 0 0 0  29/01/2023 100 0 PISP 0 0 0 0  CBPII 0 0 0 0	
CBPII   0   0   0   0   0   0   0   0   0	
29/01/2023 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
29/01/2023     100     0     PISP     0     0     0       CBPII     0     0     0     0       AISP     0     0     0       PISP     0     0     0       CBPII     0     0     0       CBPII     0     0     0	
28/01/2023 100 0 CBPII 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
28/01/2023 100 0 AISP 0 0 0 0 0 0 0 0 CBPII 0 0 0 0 0	
28/01/2023 100 0 PISP 0 0 0 0 CBPII 0 0 0	
CBPII 0 0	
AICD O	
AISP 0 0 0	
27/01/2023 100 0 PISP 0 0 0 0	
CBPII 0 0 0	
AISP 0 0 0	
26/01/2023 100 0 PISP 0 0 0 0 CRPNI 0 0 0 0	
CBPII 0 0 0	
AISP 0 0 0	
25/01/2023 100 0 PISP 0 0 0 0	
CBPII 0 0 0	
AISP 0 0 0	
24/01/2023 100 0 PISP 0 0 0 0	
CBPII 0 0 0	
AISP 0 0 0	
23/01/2023 100 0 PISP 0 0 0	
CBPII 0 0 0	
AISP 0 0 0	
22/01/2023 100 0 PISP 0 0 0	
CBPII         0         0         0	

			AISP	0	0	0	
21/01/2023	100	0	PISP	0	0	0	
2 ., 0 ., 2020			CBPII	0	0	0	
			AISP	0	0	0	
20/01/2023	100	0	PISP	0	0	0	
20,01,2020	.00		CBPII	0	0	0	
			AISP	0	0	0	
19/01/2023	100	0	PISP	0	0	0	
13/01/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
18/01/2023	100	0	PISP	0	0	0	
10/01/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
17/01/2022	100	0	PISP	0	0	0	
17/01/2023	7/01/2023 100	0	CBPII	0	0	0	
			AISP	0	0	0	
16/01/2023 100	100	0	PISP	0	0	0	
16/01/2023	100	0	СВРІІ	0	0	0	
				AISP	0	0	0
15 (01 (000)			PISP	0	0	0	
15/01/2023 100	0	CBPII	0	0	0		
			AISP	0	0	0	
			PISP	0	0	0	
14/01/2023 100	100	0	CBPII	0	0	0	
			AISP	0	0	0	
		0	PISP	0	0	0	
13/01/2023	100		CBPII	0	0	0	
			AISP	0	0	0	
			PISP	0	0	0	
12/01/2023	100	0	CBPII	0	0	0	
			AISP	0	0	0	
			PISP	0	0	0	
11/01/2023	100	0					
			CBPII	0	0	0	
			AISP	0	0	0	
10/01/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
09/01/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
08/01/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
07/01/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
06/01/2023	100	0	PISP	0	0	0	
			CBPII	0	0	0	
			AISP	0	0	0	
05/01/2023	100	0	PISP	0	0	0	
03/01/2023			CBPII	0	0	0	

			AISP	0	0	0
04/01/2023	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
03/01/2023	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
02/01/2023	100	0	PISP	0	0	0
			CBPII	0	0	0
			AISP	0	0	0
01/01/2023	100	О	PISP	0	0	0
			CBPII	0	0	0

## **PSU Interface (web)**

	Availa stati	ability stics	Performance statistics				
date	uptime	downtime	response	request_count	error_count	avg_latency	
24/02/2022	100	0	AISP	777	0	447,1973462	
31/03/2023	100	0	PISP	0	0	0	
20/02/2022	100	0	AISP	840	0	463,4460036	
30/03/2023	100	0	PISP	0	0	0	
29/03/2023	100	0	AISP	1098	0	453,7064499	
23/03/2023		0	PISP	0	0	0	
28/03/2023	100	0	AISP	842	0	438,0938325	
			PISP	0	0	0	
27/03/2023	100	0	AISP	857	0	454,5233151	
			PISP	0	0	0	
26/03/2023	100	0	AISP PISP	613 0	0	454,3600212 0	
			AISP	506	0	449,7926992	
25/03/2023	100	0	PISP	0	0	0	
			AISP	909	0	447,2650693	
24/03/2023	100	0	PISP	0	0	0	
			AISP	764	0	446,0669202	
23/03/2023	99,96527778	0,034722222	PISP	0	0	0	
			AISP	1040	0	447,6517904	
22/03/2023	100	0	PISP	0	0	0	
			AISP	929	0	443,4942336	
21/03/2023	100	0	PISP	0	0	0	
			AISP	1025	0	454,9686693	
20/03/2023	100	0	PISP	0	0	0	
		_	AISP	822	0	443,5795292	
19/03/2023	100	0	PISP	0	0	0	
40 (02 (2022	100	0	AISP	568	0	437,0025687	
18/03/2023	100	0	PISP	0	0	0	
17/03/2023	100	0	AISP	921	0	446,8701509	
17/03/2023	100	0	PISP	0	0	0	
16/03/2023	100	0	AISP	685	0	449,7688613	
10/03/2023	100	0	PISP	0	0	0	
15/03/2023	100	0	AISP	929	0	438,3990743	
13/03/2023	100		PISP	0	0	0	
14/03/2023	100	0	AISP	1256	0	449,882672	
.,,			PISP	0	0	0	
13/03/2023	100	0	AISP	1162	0	454,7869604	
		-	PISP	0	0	0	
12/03/2023	100	0	AISP	918	0	456,8182985	
			PISP	0	0	0	
11/03/2023	100	0	AISP	909	0	440,4184829	
			PISP	0	0	0	
10/03/2023	100	0	AISP PISP	1060 0	0	446,4169104	

			AISP	1000	13	444,8621358				
09/03/2023	100	0	PISP	0	0	0				
			AISP	640	0	416,9040891				
08/03/2023	100	0	PISP	0	0	0				
			AISP	676	0	435,582037				
07/03/2023	100	0	PISP	0	0	0				
			AISP	711	0	440,7119114				
06/03/2023	100	0	PISP	0	0	0				
05/02/0002	100		AISP	402	0	431,374403				
05/03/2023	100	0	PISP	0	0	0				
0.4/02/2022	100		AISP	360	0	424,0050056				
04/03/2023	100	0	PISP	0	0	0				
/ /		_	AISP	739	0	447,1498065				
03/03/2023	100	0	PISP	0	0	0				
/ /			AISP	604	0	443,5222599				
02/03/2023	100	0	PISP	0	0	0				
		_	AISP	749	0	437,6394085				
01/03/2023	100	0	PISP	0	0	0				
		_	AISP	770	0	442,7959416				
28/02/2023	100	0	PISP	0	0	0				
		_	AISP	604	0	432,6873659				
27/02/2023	100	0	PISP	0	0	0				
	100	100	2 100	_	AISP	556	0	445,7995144		
26/02/2023	100	0	PISP	0	0	0				
		100	100	100	100		AISP	430	0	441,5368186
25/02/2023	100	0	PISP	0	0	0				
			1/2022		AISP	672	0	455,9328006		
24/02/2023	100	0	PISP	0	0	0				
			AISP	656	0	435,7661387				
23/02/2023	100	0	PISP	0	0	0				
22/22/222	100		AISP	716	0	435,3906075				
22/02/2023	100	0	PISP	0	0	0				
24/22/222	100		AISP	914	0	443,2753698				
21/02/2023	100	0	PISP	0	0	0				
20/02/2022	100		AISP	843	0	454,0826251				
20/02/2023	100	0	PISP	0	0	0				
40/02/2022	100		AISP	525	0	452,4865067				
19/02/2023	100	0	PISP	0	0	0				
10/02/2022	100	0	AISP	468	0	446,7831795				
18/02/2023	100	0	PISP	0	0	0				
47/02/2022	100		AISP	813	0	456,3563481				
17/02/2023	100	0	PISP	0	0	0				
46/00/0000	100		AISP	1072	0	499,1127491				
16/02/2023	100	0	PISP	0	0	0				
15/02/2022	400		AISP	662	0	539,3495514				
15/02/2023	100	0	PISP	0	0	0				
4.4.00 /5.55		_	AISP	520	0	540,1165923				
14/02/2023	100	0	PISP	0	0	0				
		_	AISP	883	0	533,1177407				
13/02/2023	100	0	PISP	0	0	0				

	100	_	AISP	353	0	509,796221				
12/02/2023	100	0	PISP	0	0	0				
			AISP	353	0	671,0042408				
11/02/2023	100	0	PISP	0	0	0				
40/02/2022	100		AISP	622	0	578,1277476				
10/02/2023	100	0	PISP	0	0	0				
00/02/2022	100		AISP	598	0	551,2943512				
09/02/2023	100	0	PISP	0	0	0				
00/02/2022	100		AISP	649	0	531,2867396				
08/02/2023	100	0	PISP	0	0	0				
07/02/2022	100	0	AISP	939	0	540,8816337				
07/02/2023	100	0	PISP	0	0	0				
06/02/2022	100		AISP	764	0	588,1524869				
06/02/2023	100	0	PISP	0	0	0				
05/02/2022	100		AISP	493	0	537,0885903				
05/02/2023	100	0	PISP	0	0	0				
0.4.400.40.000	100		AISP	359	0	520,5119554				
04/02/2023	100	0	PISP	0	0	0				
02/02/0002	100		AISP	617	0	555,4455122				
03/02/2023	100	0	PISP	0	0	0				
00/00/0000	100		AISP	768	0	746,9955508				
02/02/2023	100	0	PISP	0	0	0				
0.1 /0.2 /0.002	100	100	100		AISP	803	0	672,1058879		
01/02/2023	100	0	PISP	0	0	0				
24 /04 /2022		100	2 100	100	100		AISP	728	0	523,3483942
31/01/2023	100	0	PISP	0	0	0				
20/04/2022	100	2 400	2022 100		AISP	672	0	499,4990878		
30/01/2023	100	0	PISP	0	0	0				
20/01/2022	100	0	AISP	584	0	513,6932791				
29/01/2023	100	0	PISP	0	0	0				
20/01/2022	100		AISP	456	0	493,9685132				
28/01/2023	100	0	PISP	0	0	0				
27/04/2022	100		AISP	721	0	503,391828				
27/01/2023	100	0	PISP	0	0	0				
26/04/2022	100		AISP	596	0	605,4426678				
26/01/2023	100	0	PISP	0	0	0				
25 (04 (2022	100		AISP	654	0	542,4806468				
25/01/2023	100	0	PISP	0	0	0				
24/04/2022	100	0	AISP	819	0	487,870989				
24/01/2023	100	0	PISP	0	0	0				
22/04/2022	100		AISP	833	0	563,7947671				
23/01/2023	100	0	PISP	0	0	0				
22/04/2022	100		AISP	754	0	571,7573873				
22/01/2023	100	0	PISP	0	0	0				
24/04/2022	400		AISP	750	0	533,0304093				
21/01/2023	100	0	PISP	0	0	0				
20/04/2022	400		AISP	739	0	606,6083288				
20/01/2023	100	0	PISP	0	0	0				
40/04/2022	100		AISP	803	0	727,1531806				
19/01/2023	100	0	PISP	0	0	0				

		0	AISP	870	0	522,5511138			
18/01/2023	100	0	PISP	0	0	0			
			AISP	844	0	594,724673			
17/01/2023	100	0	PISP	0	0	0			
16/01/2002	100	100		100		AISP	1060	0	549,5913953
16/01/2023	100	0	PISP	0	0	0			
45 (04 (0000	100		AISP	69	0	577,9050435			
15/01/2023	100	0	PISP	0	0	0			
4.4/04/2022	2022 100		AISP	820	0	512,6939634			
14/01/2023	100	0	PISP	0	0	0			
42/04/2022	400		AISP	820	0	569,484978			
13/01/2023	100	0	PISP	0	0	0			
10/01/0000	100		AISP	954	1	534,7780325			
12/01/2023	100	0	PISP	0	0	0			
44/04/0000	400		AISP	613	0	495,5106639			
11/01/2023	100	0	PISP	0	0	0			
	100	100	100		AISP	972	0	549,4270195	
10/01/2023	100	0	PISP	0	0	0			
00/04/0000		100		AISP	675	0	524,7190311		
09/01/2023	100	0	PISP	0	0	0			
00/04/0000	100	100	100	100		AISP	441	0	714,7452132
08/01/2023	100	0	PISP	0	0	0			
07/04/0000	100		AISP	291	0	603,2630893			
07/01/2023	100	0	PISP	0	0	0			
0.5 /0.1 /0.000	100		AISP	600	0	549,8390917			
06/01/2023	100	0	PISP	0	0	0			
05/04/0000	100		AISP	619	0	601,3349111			
05/01/2023	100	0	PISP	0	0	0			
0.4.04.10.000	100		AISP	591	0	567,3399746			
04/01/2023	100	0	PISP	0	0	0			
02/04/2022	400	_	AISP	930	0	627,0984194			
03/01/2023	100	0	PISP	0	0	0			
00/04/0005	400		AISP	638	0	571,2098777			
02/01/2023	100	0	PISP	0	0	0			
04/04/0005	400		AISP	611	0	500,966329			
01/01/2023	100	0	PISP	0	0	0			

## **PSU Interface (mobile)**

	Availc stati:		Performance statistics				
date	uptime	downtime	response	request_count	error_rate	avg_latency	
		_	AISP	522358	0,00019144	157,0555198	
31/03/2023	100	0	PISP	146	0	805,1953562	
		_	AISP	554068	0	156,778289	
30/03/2023	100	0	PISP	147	0	767,4009728	
20/02/2022	100		AISP	814837	0	159,3052891	
29/03/2023	100	0	PISP	181	0	789,9762376	
20/02/2022	100	0	AISP	654685	0	159,0670537	
28/03/2023	100	0	PISP	170	0	763,1034176	
27/02/2022	100		AISP	552914	0,011394177	160,7636372	
27/03/2023	100	0	PISP	174	0	801,1073218	
26/02/2022	100		AISP	381484	0	157,2696957	
26/03/2023	100	0	PISP	77	0	935,2253636	
25 (02 (2022	100	0	AISP	422233	0,419199826	170,0457694	
25/03/2023	100	0	PISP	74	0	889,0147568	
24/02/2022	100	0	AISP	496875	0	161,2726474	
24/03/2023	100	0	PISP	133	0	840,4085038	
23/03/2023	99,96527778	0,034722222	AISP	533601	0	176,400197	
			PISP	124	0	810,3412097	
22/02/2022	100		AISP	750073	0	159,8930604	
22/03/2023	100	0	PISP	145	0	802,2851724	
24/02/2022	100	100		AISP	816167	0	162,3822085
21/03/2023	100	0	PISP	176	0	782,8519375	
20/02/2022	100	0	AISP	634587	0	159,2651509	
20/03/2023	100	0	PISP	198	0	820,2011414	
10/02/2022	100	0	AISP	623874	0	160,5347954	
19/03/2023	100	U	PISP	100	0	899,108	
18/03/2023	100	0	AISP	573078	0	158,8951677	
16/03/2023	100	0	PISP	102	0	887,2955882	
17/02/2022	100	0	AISP	678743	0	160,4787009	
17/03/2023	100	U	PISP	171	0	805,0768304	
16/03/2023	100	0	AISP	407354	0	158,6119206	
10/03/2023	100	0	PISP	149	0	817,4524698	
15/03/2023	100	0	AISP	533078	0	160,3479331	
13/03/2023	100	U	PISP	146	0	798,059911	
14/03/2023	100	0	AISP	783715	0,005741883	161,874314	
14/03/2023	100	U	PISP	198	0	829,9593838	
13/03/2023	100	0	AISP	700573	0	159,8191353	
13/03/2023	100	U	PISP	176	0	814,5224261	
12/03/2023	100	0	AISP	397935	0	157,8883079	
12/03/2023	100	U	PISP	89	0	904,6942809	
11/03/2023	100	0	AISP	383024	0	158,8477937	
11/03/2023	100	U	PISP	98	0	932,2394898	
10/03/2023	100	0	AISP	467091	0	161,7427028	
10/03/2023	100		PISP	154	0	811,8317987	

		_	AISP	464024	0,318086996	163,8949234			
09/03/2023	100	0	PISP	142	0	811,1959859			
			AISP	369311	0	158,1254674			
08/03/2023	100	0	PISP	164	0	775,7266402			
		_	AISP	319976	0	159,9480058			
07/03/2023	100	0	PISP	148	0	785,8706824			
			AISP	285166	0	158,6093987			
06/03/2023	100	0	PISP	164	0	823,2503963			
05/02/0002	100		AISP	234756	0	157,3563399			
05/03/2023	100	0	PISP	79	0	860,3045949			
0.4.102.12022	100		AISP	260177	0	156,4381439			
04/03/2023	100	0	PISP	83	0	887,637506			
02/02/2022	100		AISP	394964	0	158,6659173			
03/03/2023	100	0	PISP	136	0	780,8244559			
02/02/2022	100		AISP	342914	0,009623404	158,4187292			
02/03/2023	100	0	PISP	162	0	758,0662593			
01/02/2022	100		AISP	360018	0,010555028	158,850027			
01/03/2023	100	0	PISP	165	0	789,4026909			
20/02/2022	100		AISP	334834	0	158,1922086			
28/02/2023	100	0	PISP	162	0	802,0310123			
27/22/222	100		AISP	373105	0	157,5218468			
27/02/2023	100	0	PISP	167	0	766,8194132			
0.5 (0.0 (0.00.0	100	100	100		AISP	331595	0	156,9146068	
26/02/2023	100	0	PISP	76	0	836,7818421			
25/02/2022	100	100	100	3 100		AISP	306934	0	157,4411347
25/02/2023	100	0	PISP	68	0	833,8390588			
24/02/2022	022 400	/02/2022 100		AISP	395762	0	158,043345		
24/02/2023	100	0	PISP	118	0	779,6578475			
22/02/2022	100		AISP	430938	0	158,8555605			
23/02/2023	100	0	PISP	120	0	808,2488667			
22/02/2022	100		AISP	458898	0	158,4288866			
22/02/2023	100	0	PISP	138	0	764,6841957			
24/02/2022	100		AISP	500512	0	158,8356165			
21/02/2023	100	0	PISP	145	0	782,5045862			
20/20/2022	100		AISP	522925	0	160,8928663			
20/02/2023	100	0	PISP	156	0	800,4776667			
10/02/2022	100		AISP	438960	0	158,6018457			
19/02/2023	100	0	PISP	77	0	837,8245844			
10/02/2022	100		AISP	412090	0	158,2981945			
18/02/2023	100	0	PISP	92	0	831,4103043			
47/02/2022	403		AISP	526093	0	160,6858265			
17/02/2023	100	0	PISP	135	0	782,5024815			
46 102 1225	100		AISP	740980	0	164,4716525			
16/02/2023	100	0	PISP	194	0	772,3944639			
45 (02 (225	100		AISP	599723	0	165,3716551			
15/02/2023	100	0	PISP	193	0	756,9258705			
		_	AISP	410324	0	163,9086217			
14/02/2023	100	0	PISP	136	0	777,90975			
		_	AISP	411990	0	165,1998287			
13/02/2023	100	0	PISP	144	0	768,9016111			

		0	AISP	346875	0	163,5359765
12/02/2023	100		PISP	89	0	845,3087753
		_	AISP	320028	0	162,755832
11/02/2023	100	0	PISP	81	0	854,9848025
10/02/2023			AISP	416694	0	163,3185917
	100	0	PISP	143	0	770,4683986
09/02/2023	100	0	AISP	518034	0	166,3568633
			PISP	143	0	755,6763706
08/02/2023	100	0	AISP	505570	0	167,037643
			PISP	138	0	747,5822246
07/02/2023	100	0	AISP	520722	0	168,6420049
			PISP	133	0	761,6689774
0.5 /0.0 /0.000	100	0	AISP	448822	0	169,5907832
06/02/2023			PISP	159	0	769,6549937
	100	0	AISP	447780	0	169,6456034
05/02/2023			PISP	111	0	831,4016126
04/02/2023	100		AISP	445758	0	168,5931905
		0	PISP	88	0	830,7823409
02/02/225	100	0	AISP	459008	0	167,9193675
03/02/2023			PISP	160	0	769,0160938
02/02/2023	100	0	AISP	650952	0	171,1666608
			PISP	173	0	761,7055723
01/02/2023	100	0	AISP	498015	0	170,4703269
			PISP	165	0	748,8251273
31/01/2023	100	0	AISP	433053	0	167,9113994
			PISP	122	0	740,0390164
30/01/2023	100	0	AISP	521111	0,011705759	163,5827033
			PISP	176	0	779,8789091
	100		AISP	566009	0	166,1495395
29/01/2023		0	PISP	102	0	821,3361569
/- / /	100		AISP	373676	0	163,0146544
28/01/2023		0	PISP	82	0	813,2189268
27/01/2023	100	0	AISP	458874	0	163,7855951
			PISP	142	0	757,9295493
26/01/2023	100	0	AISP	472517	0	164,1744966
			PISP	137	0	747,4013577
25/01/2023	100	0	AISP	486118	0	162,926811
			PISP	150	0	747,9783467
24/01/2023	100	0	AISP	540762	0	161,2304654
			PISP	140	0	774,9384429
	100	0	AISP	581502	0	164,0253415
23/01/2023			PISP	152	0	738,5020789
	100	0	AISP	492029	0	163,1999031
22/01/2023			PISP	88	0	817,7185227
21/01/2023	100	0	AISP	691927	0	164,7299028
			PISP	105	0	815,5552286
20/01/2023	100	0	AISP	584185	0	162,4197151
			PISP	143	0	732,9122308
19/01/2023	100	0	AISP	413719	0	162,77532
			PISP	133	0	736,0183233

18/01/2023	100	0	AISP	557860	0	164,1757522
			PISP	130	0	746,5724385
17/01/2023	100		AISP	519440	0	164,2451506
		0	PISP	151	0	726,9394834
16/01/2023	100	0	AISP	454195	0,00924713	171,0717632
			PISP	129	0	749,2046124
15/01/2023	100	0	AISP	64160	0	165,3102024
			PISP	7	0	762,0798571
14/01/2023	100	0	AISP	800933	0	163,3837252
			PISP	99	0	794,8900606
13/01/2023	100	0	AISP	579511	0	162,6093802
			PISP	119	0	723,6210924
12/01/2023	100	0	AISP	629703	0	164,9019093
			PISP	121	0	719,2127603
	100		AISP	475029	0	162,850227
11/01/2023		0	PISP	135	0	738,4116593
10/01/2023	100	0	AISP	507596	0,000197007	161,2062766
			PISP	136	0	705,4031912
09/01/2023	100	0	AISP	389466	0	156,2127932
			PISP	99	0	713,2318889
00/04/0000	100	0	AISP	261272	0	154,7113748
08/01/2023			PISP	65	0	836,3696769
	100	0	AISP	230740	0	159,5291152
07/01/2023			PISP	62	0	791,8062742
06/01/2023	100	0	AISP	287709	0	155,7827732
			PISP	110	0	781,3161636
05/01/2023	100	0	AISP	274255	0,006927859	155,5515695
			PISP	106	0	737,4323679
/ /	100		AISP	346006	0	158,8485977
04/01/2023		0	PISP	137	0	747,8077664
02/04/2222	100	0	AISP	309095	0	156,9570458
03/01/2023			PISP	136	0	770,2543088
	100		AISP	311197	0	157,1639821
02/01/2023		0	PISP	118	0	775,6454831
01/01/2023	100	0	AISP	204443	0	154,5635074
			PISP	58	0	801,1921207