

2023

1

2023

270

58

I²

3

3

55

II

2023

I

II

2023

1.1 2023

		%		I			II			
				BP	BP	%		BP	BP	%
AAA	31	2.29~7.50	3.77	162.19	--	87.02	29	179.23	--	74.20
AA ⁺	23	2.65~7.00	4.08	189.28	27.09	67.96	22	198.66	19.43	62.74
AA	4	3.67~5.90	4.64	247.24	57.95	41.01	4	246.51	47.85	41.19

1

Wind

AAA

AA⁺

4

95%

AAA

AA⁺

AAA

1.2 2023

	I			II		
	AAA	AA ⁺		AAA	AA ⁺	
AA ⁺	0.190	--		0.199	--	

1

2

I

II

3

2023 4 14

4

Mann-Whitney U

95%

P

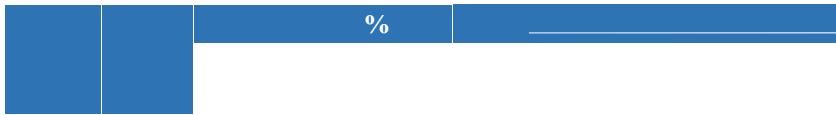
5%

5



2023
26
25
2023
I II
I II
2023

2.1 2023



I II 2023

3.1 2023

			%		I			II			
					BP	BP	%		BP	BP	%
3	AAA	32	2.99~4.99	3.68	114.48	--	38.85	30	113.51	--	36.35
	AA ⁺	31	3.53~6.00	4.47	194.70	80.22	37.03	28	186.04	72.53	35.73
	AA	7	4.15~7.00	5.59	304.85	110.15	40.15	5	273.30	87.26	49.89
5	AAA	12	3.40~4.45	3.65	93.78	--	36.70	11	97.03	--	36.71

Wind

3

95%

AAA AA⁺ AA⁺ AA I
 3 AA⁺ AA
 II AA

3.2 2023

3

	I			II		
	AAA	AA ⁺		AAA	AA ⁺	
AA ⁺	0.000	--		AA ⁺	0.000	--
AA	0.000	0.027		AA	0.000	0.173

2023

5 2 30 3 10
 4 5 1 3
 I II

4.1 2023

			%		I			II			
					BP	BP	%		BP	BP	%
3	AAA	10	3.07~4.19	3.47	93.91	--	41.72	4	69.44	--	6.50
5	AAA	2	3.55~4.05	3.80	108.83	--	28.87	1	114.68	--	--

Wind



2023

5

4

I

II

5.1 2023

			%		I			II			
					BP	BP	%		BP	BP	%
5	AAA	3	3.64~4.20	3.83	112.81	--	28.65	3	114.26	--	28.31
	AA ⁺	1	5.40~5.40	5.40	268.86	156.05	--	1	268.75	154.49	--

Wind

2023

3

12

II

I

2023

3

I

II

2023

3

6.1 2023

3

			%		I			II			
					BP	BP	%		BP	BP	%
AAA	8	2.79~3.30	3.01	46.48	--	31.02	8	50.29	--	31.21	
AA ⁺	4	3.05~3.45	3.21	65.87	19.39	28.53	4	66.25	15.96	28.70	



5

7.1 2023

5

		%		I			II			
				BP	BP	%		BP	BP	%
AAA	1	3.49~3.49	3.49	78.97	--	--	1	79.46	--	--
AA ⁻	1	4.80~4.80	4.80	206.02	--	--	1	206.26		



% 250