

**Multimedia Appendix 2: Ranking of algorithms in different parameters of evaluation for HSS Region 6 (Lowest Percent Internet Use)**

Percentage of True Positive			Percentage of False Positive			Percentage of Overlap			Percentage of Early Alarm			Overall Position of Algorithm		
Pos	Algorithm	Value	Pos	Algorithm	Value	Pos	Algorithm	Value	Pos	Algorithm	Value	Pos	Algorithm	Value
1	C1 - cut:2 b4	100	1	C2 - cut:6 b4	0	1	NBC - cut 8	76	1	NBC - cut 8	88	1	NBC - cut 15	82
1	C2 - cut:2 b4	100	1	HLM 3	0	1	NBC - cut 15	76	1	NBC - cut 15	88	1	NBC - cut 8	82
1	C3 - cut:2 b4	100	1	H-Cusum	0	2	NBC - 1k	63	2	POD	75	2	NBC - 1.5k	78
1	C2 - cut:4 b4	100	1	C3 - cut:6 b4	0	3	PSC - 1k	62	2	NBC - 1k	75	2	NBC - 1k	78
1	C3 - cut:4 b4	100	2	HNBC	10	4	NBC - 1.5k	55	2	PSC - 1k	75	2	POD	78
1	C3 - cut:2 b8	100	2	C2 - cut:4 b4	10	5	PSC - 1.5k	53	2	NBC - 1.5k	75	2	PSC - 1.5k	78
1	Satscan	100	2	Satscan	10	5	Satscan	53	2	PSC - 1.5k	75	2	PSC - 1k	78
1	POD	100	2	HLM 5	10	6	POD	50	3	C3 - cut:2 b4	50	3	Satscan	72
1	NBC - cut 8	100	2	C1 - cut:2 b4	10	7	HNBC	34	4	C2 - cut:2 b8	43	4	C2 - cut:2 b8	65
1	NBC - cut 15	100	2	C1 - cut:2 b8	10	8	H-Cusum	27	4	C3 - cut:4 b8	43	4	C3 - cut:4 b8	65
1	NBC - 1k	100	2	C2 - cut:4 b8	10	9	HLM 5	26	5	C1 - cut:2 b4	38	4	C3 - cut:2 b4	65
1	PSC - 1k	100	2	C3 - cut:4 b4	10	11	HLM 3	22	5	C2 - cut:2 b4	38	5	C1 - cut:2 b4	64
2	NBC - 1.5k	88	2	C3 - cut:4 b8	10	12	C3 - cut:2 b4	19	5	C2 - cut:4 b4	38	5	C2 - cut:2 b4	64
2	PSC - 1.5k	88	2	C2 - cut:2 b8	10	12	C3 - cut:2 b8	19	5	C3 - cut:4 b4	38	5	C2 - cut:4 b4	64
2	C2 - cut:6 b4	88	2	C2 - cut:2 b4	10	13	C2 - cut:2 b4	17	5	C3 - cut:2 b8	38	5	C3 - cut:4 b4	64
2	C3 - cut:6 b4	88	3	NBC - 1.5k	20	13	C2 - cut:2 b8	17	5	HNBC	38	6	C3 - cut:2 b8	59
2	C1 - cut:2 b8	88	3	PSC - 1.5k	20	14	C1 - cut:2 b4	12	5	H-Cusum	38	7	C1 - cut:2 b8	58
2	C2 - cut:2 b8	88	3	C3 - cut:2 b4	20	14	C3 - cut:4 b4	12	6	C1 - cut:2 b8	29	7	C2 - cut:4 b8	58
2	C2 - cut:4 b8	88	3	POD	20	14	C3 - cut:4 b8	12	6	C2 - cut:4 b8	29	8	HNBC	57
2	C3 - cut:4 b8	88	3	C3 - cut:2 b8	20	15	C1 - cut:2 b8	11	7	Satscan	25	9	C3 - cut:6 b4	47
3	HNBC	75	3	NBC - 1k	20	16	C2 - cut:4 b4	10	8	HLM 3	20	9	C2 - cut:6 b4	47
4	HLM 3	63	3	PSC - 1k	20	17	C2 - cut:4 b8	9	8	HLM 5	20	10	HLM 5	44
4	HLM 5	63	4	NBC - cut 8	40	18	C3 - cut:6 b4	7	9	C2 - cut:6 b4	0	10	H-Cusum	44
5	H-Cusum	50	4	NBC - cut 15	40	19	C2 - cut:6b4	6	9	C3 - cut:6 b4	0	11	HLM 3	42

**Note:** Value of Percentage of True Positive (RTP) and Percentage of False Positive (RFP) are rounded off to the nearest ten.