

Appendix A. Basic statistic of observed daily rainfall data in each stations**Table 1.** Basic statistic of daily rainfall(01:Sokcho)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	314.200	3.765	14.100	3.745

Table 2. Basic statistic of daily rainfall(02 :Wonju)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	305.000	3.625	13.289	3.666

Table 3. Basic statistic of daily rainfall(03 : Inje)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	275.800	3.258	12.687	3.894

Table 4. Basic statistic of daily rainfall(04 : Chuncheon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	308.500	3.577	13.986	3.910

Table 5. Basic statistic of daily rainfall(05 : Hongcheon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	276.000	3.684	14.174	3.867

Table 6. Basic statistic of daily rainfall(06 : Suwon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	333.200	3.576	14.072	3.935

Table 7. Basic statistic of daily rainfall(07 : Yanpyeong)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	346.000	3.801	15.026	3.953

Table 8. Basic statistic of daily rainfall 08 : Icheon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	304.000	3.653	13.967	3.824

Table 9. Basic statistic of daily rainfall(09 : Geoje)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	438.300	5.103	18.542	3.634

Table 10. Basic statistic of daily rainfall(10 : Geochang)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	253.000	3.545	12.650	3.569

Table 11. Basic statistic of daily rainfall(11 : Namhae)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	410.000	5.112	18.439	3.607

Table 12. Basic statistic of daily rainfall(12 : Miryang)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	245.000	3.372	12.256	3.635

Table 13. Basic statistic of daily rainfall(13 : Sancheong)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	332.500	4.230	16.339	3.863

Table 14. Basic statistic of daily rainfall (14 : Jinju)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	318.000	4.158	14.876	3.577

Table 15. Basic statistic of daily rainfall(15 : Tongyeong)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	273.200	4.035	14.237	3.528

Table 16. Basic statistic of daily rainfall(16 : Hapcheon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	288.500	3.546	13.310	3.5754

Table 17. Basic statistic of daily rainfall(17 : Gumi)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	221.000	2.950	10.670	3.617

Table 18. Basic statistic of daily rainfall(18 : Mugyeong)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	173.300	3.448	11.905	3.453

Table 19. Basic statistic of daily rainfall(19 : Yeongdeok)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	296.000	2.915	11.049	3.790

Table 20. Basic statistic of daily rainfall(20 : Yeongju)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	259.500	3.532	12.734	3.606

Table 21. Basic statistic of daily rainfall(21 : Yeongcheon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	190.100	2.895	10.511	3.631

Table 22. Basic statistic of daily rainfall(22 : Uljin)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	279.000	3.082	11.280	3.660

Table 23. Basic statistic of daily rainfall(23 : Ulseong)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	215.500	2.758	9.995	3.624

Table 24. Basic statistic of daily rainfall(24 : Pohang)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	516.400	3.156	12.193	3.863

Table 25. Basic statistic of daily rainfall(25 : Goheung)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	487.100	3.978	15.588	3.919

Table 26. Basic statistic of daily rainfall(26 : Mokpo)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	394.700	3.202	11.688	3.650

Table 27. Basic statistic of daily rainfall(27 : Yeosu)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	308.900	3.984	14.518	3.644

Table 28. Basic statistic of daily rainfall(28 : Wando)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	414.300	4.197	15.483	3.689

Table 29. Basic statistic of daily rainfall(29 : Jangheung)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	547.400	4.069	15.429	3.807

Table 30. Basic statistic of daily rainfall(30 : Juam)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	254.500	3.500	13.839	3.954

Table 31. Basic statistic of daily rainfall(31 : Haenam)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	477.500	3.606	13.850	3.841

Table 32. Basic statistic of daily rainfall(32 : Gunsan)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	310.000	3.367	12.501	3.713

Table 33. Basic statistic of daily rainfall(33 : Namwon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	122.400	0.354	3.535	9.996

Table 34. Basic statistic of daily rainfall(34 : Buan)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	250.500	3.394	12.004	3.537

Table 35. Basic statistic of daily rainfall(35 : Imsil)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	234.000	3.703	12.250	3.308

Table 36. Basic statistic of daily rainfall(36 : Jeongju)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	249.500	3.544	11.845	3.343

Table 37. Basic statistic of daily rainfall(37 : Jeongeup)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	420.000	3.581	12.238	3.418

Table 38. Basic statistic of daily rainfall(38 : Geumsan)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	202.000	3.522	12.181	3.458

Table 39. Basic statistic of daily rainfall(39 : Boryeong)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	361.500	3.362	13.103	3.898

Table 40. Basic statistic of daily rainfall(40 : Buyeo)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	517.600	3.680	13.798	3.741

Table 41. Basic statistic of daily rainfall(41 : Seosan)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	274.500	3.454	13.034	3.774

Table 42. Basic statistic of daily rainfall(42 : Cheonan)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	273.500	3.357	12.447	3.707

Table 43. Basic statistic of daily rainfall(43 : Boeun)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	407.500	3.585	12.856	3.586

Table 44. Basic statistic of daily rainfall(44 : Jecheon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	276.500	3.765	13.713	3.642

Table 45. Basic statistic of daily rainfall(45 : Cehongju)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	293.000	3.409	12.399	3.637

Table 46. Basic statistic of daily rainfall(46 : Chupungyeong)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	280.000	3.235	11.224	3.469

Table 47. Basic statistic of daily rainfall(47 : Chungju)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	263.000	3.332	12.155	3.648

Table 48. Basic statistic of daily rainfall(48 : Ganghwa)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	481.000	3.554	15.157	4.264

Table 49. Basic statistic of daily rainfall(49 : Incheon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	302.500	3.291	13.297	4.040

Table 50. Basic statistic of daily rainfall(50 : Gwangju)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	335.600	3.780	13.138	3.475

Table 51. Basic statistic of daily rainfall(51 : Daegu)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	225.800	2.942	10.871	3.694

Table 52. Basic statistic of daily rainfall(52 : Daejeon)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	303.300	3.726	13.311	3.573

Table 53. Basic statistic of daily rainfall(53 : Busan)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	439.00	4.192	15.523	3.703

Table 54. Basic statistic of daily rainfall(54 : Seoul)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	332.800	3.858	15.226	3.947

Table 55. Basic statistic of daily rainfall(55 : Ulsan)

Statistics	Max(mm/day)	Mean(mm/day)	Standard deviation	Coefficient of variation
Value	417.800	2.995	12.404	4.141

Appendix B. Result of BDS statistics

Table 1. BDS statistic results of daily rainfall(01:Sokcho)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	28.5167	27.0377	25.628	24.6676	[-1.96, 1.96]
m = 3	25.3581	23.7877	22.5191	21.5227	[-1.96, 1.96]
m = 4	22.9454	21.2562	19.9793	19.1294	[-1.96, 1.96]
m = 5	20.6473	18.7644	17.6101	16.8831	[-1.96, 1.96]

Table 2. BDS statistic results of daily rainfall(02 :Wonju)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	25.2352	24.9396	24.7051	24.8817	[-1.96, 1.96]
m = 3	23.2225	23.6314	23.8193	23.9929	[-1.96, 1.96]
m = 4	25.4796	25.6969	25.7932	25.8515	[-1.96, 1.96]
m = 5	24.3735	24.185	23.8570	23.7304	[-1.96, 1.96]

Table 3. BDS statistic results of daily rainfall(03 : Inje)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	26.0117	25.1856	24.6249	24.5439	[-1.96, 1.96]
m = 3	23.4454	23.1489	22.7063	22.7263	[-1.96, 1.96]
m = 4	23.9937	23.8327	23.7322	23.7288	[-1.96, 1.96]
m = 5	23.0827	23.2678	23.0524	23.2308	[-1.96, 1.96]

Table 4. BDS statistic results of daily rainfall(04 : Chuncheon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	26.1784	25.2067	25.0546	25.0574	[-1.96, 1.96]
m = 3	25.6751	25.1993	24.7623	24.7581	[-1.96, 1.96]
m = 4	23.5923	23.1723	22.6145	22.8501	[-1.96, 1.96]
m = 5	22.4327	22.3572	21.8252	22.2823	[-1.96, 1.96]

Table 5. BDS statistic results of daily rainfall(05 : Hongcheon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.9225	24.3917	24.2269	24.3571	[-1.96, 1.96]
m = 3	23.4477	23.3447	22.9816	22.9484	[-1.96, 1.96]
m = 4	24.8068	24.5085	24.109	23.919	[-1.96, 1.96]
m = 5	24.3353	24.1711	23.8061	23.7527	[-1.96, 1.96]

Table 6. BDS statistic results of daily rainfall(06 : Suwon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.7345	21.7448	21.1144	21.2345	[-1.96, 1.96]
m = 3	20.3766	19.5171	19.24	19.3863	[-1.96, 1.96]
m = 4	20.9731	19.9362	19.896	20.1339	[-1.96, 1.96]
m = 5	19.9076	18.9251	18.8191	19.5173	[-1.96, 1.96]

Table 7. BDS statistic results of daily rainfall(07 : Yanpyeong)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	25.35	24.98	24.87	24.806	[-1.96, 1.96]
m = 3	23.617	23.486	23.469	23.659	[-1.96, 1.96]
m = 4	23.424	24.255	24.168	24.3	[-1.96, 1.96]
m = 5	23.569	23.854	23.2	23.039	[-1.96, 1.96]

Table 8. BDS statistic results of daily rainfall(08 : Icheon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.9472	22.4841	22.0212	22.2391	[-1.96, 1.96]
m = 3	21.3406	21.2188	21.2227	21.4963	[-1.96, 1.96]
m = 4	20.5619	20.4994	20.7515	21.1906	[-1.96, 1.96]
m = 5	21.9362	21.0529	21.3521	21.5262	[-1.96, 1.96]

Table 9. BDS statistic results of daily rainfall(09 : Geoje)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.9776	21.5802	20.4294	20.4061	[-1.96, 1.96]
m = 3	18.0914	17.1927	16.3346	16.2536	[-1.96, 1.96]
m = 4	15.5594	14.1148	13.3638	13.3178	[-1.96, 1.96]
m = 5	14.7403	13.52	13.0707	12.9557	[-1.96, 1.96]

Table 10. BDS statistic results of daily rainfall(10 : Geochang)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	25.2331	24.6556	23.681	23.7988	[-1.96, 1.96]
m = 3	21.6366	21.3032	21.0295	21.1194	[-1.96, 1.96]
m = 4	19.6597	19.4611	19.1889	19.2773	[-1.96, 1.96]
m = 5	21.4396	21.0383	20.7309	20.8331	[-1.96, 1.96]

Table 11. BDS statistic results of daily rainfall(11 : Namhae)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.9499	23.649	22.7722	22.4435	[-1.96, 1.96]
m = 3	19.4503	18.6299	18.1407	18.312	[-1.96, 1.96]
m = 4	16.1395	15.3417	14.9269	14.9917	[-1.96, 1.96]
m = 5	13.5396	12.7719	12.105	12.1947	[-1.96, 1.96]

Table 12. BDS statistic results of daily rainfall(12 : Miryang)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.4941	21.4865	20.8794	21.0334	[-1.96, 1.96]
m = 3	19.9129	18.9745	18.5476	18.7584	[-1.96, 1.96]
m = 4	17.2599	16.6486	16.6242	16.7211	[-1.96, 1.96]
m = 5	14.8872	14.2871	14.3524	14.7607	[-1.96, 1.96]

Table 13. BDS statistic results of daily rainfall(13 : Sancheong)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.8059	23.0229	22.5115	22.693	[-1.96, 1.96]
m = 3	20.5477	19.5472	19.1168	19.3404	[-1.96, 1.96]
m = 4	20.3692	19.8828	19.4144	19.3983	[-1.96, 1.96]
m = 5	21.7293	21.4597	21.4971	21.308	[-1.96, 1.96]

Table 14. BDS statistic results of daily rainfall(14 : Jinju)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.8205	23.8565	23.004	22.8882	[-1.96, 1.96]
m = 3	18.6141	17.5524	16.9941	17.2049	[-1.96, 1.96]
m = 4	17.2103	16.2117	15.7655	15.9027	[-1.96, 1.96]
m = 5	16.5188	15.9812	15.7115	15.9957	[-1.96, 1.96]

Table 15. BDS statistic results of daily rainfall(15 : Tongyeong)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	21.6931	20.9368	20.0079	19.9319	[-1.96, 1.96]
m = 3	17.5475	17.2973	16.7046	16.6026	[-1.96, 1.96]
m = 4	14.6608	14.546	14.4154	14.5441	[-1.96, 1.96]
m = 5	13.9712	13.1702	12.9873	12.9957	[-1.96, 1.96]

Table 16. BDS statistic results of daily rainfall(16 : Hapcheon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	26.0024	25.0715	24.503	24.7578	[-1.96, 1.96]
m = 3	20.4628	20.2401	20.1992	20.5749	[-1.96, 1.96]
m = 4	18.6811	17.9047	17.6233	17.956	[-1.96, 1.96]
m = 5	19.5981	19.0637	18.6169	18.4279	[-1.96, 1.96]

Table 17. BDS statistic results of daily rainfall(17 : Gumi)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.8819	24.7178	24.2047	24.237	[-1.96, 1.96]
m = 3	20.0799	20.6416	20.5847	20.5151	[-1.96, 1.96]
m = 4	17.6893	18.6254	18.5759	18.8313	[-1.96, 1.96]
m = 5	16.5572	17.3473	17.2825	17.3659	[-1.96, 1.96]

Table 18. BDS statistic results of daily rainfall(18 : Mugyeong)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	26.6877	26.555	25.9121	26.1751	[-1.96, 1.96]
m = 3	21.7287	22.1433	21.8842	22.2038	[-1.96, 1.96]
m = 4	16.8946	17.9291	18.0526	18.377	[-1.96, 1.96]
m = 5	15.8638	16.773	16.9006	17.3109	[-1.96, 1.96]

Table 19. BDS statistic results of daily rainfall(19 : Yeongdeok)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.8452	21.2667	19.8484	19.4153	[-1.96, 1.96]
m = 3	19.1526	17.9649	16.8948	16.3637	[-1.96, 1.96]
m = 4	15.4316	13.9162	13.1053	12.66	[-1.96, 1.96]
m = 5	14.6991	12.9443	11.7352	11.1525	[-1.96, 1.96]

Table 20. BDS statistic results of daily rainfall(20 : Yeongju)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	26.7404	26.0846	25.7331	25.871	[-1.96, 1.96]
m = 3	21.2499	20.5613	20.334	20.5187	[-1.96, 1.96]
m = 4	17.4312	17.1089	16.919	16.9882	[-1.96, 1.96]
m = 5	16.3276	15.6931	15.3359	15.5686	[-1.96, 1.96]

Table 21. BDS statistic results of daily rainfall(21 : Yeongcheon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.34506	21.3236	20.41797	20.48872	[-1.96, 1.96]
m = 3	18.72876	18.55359	18.09673	18.1687	[-1.96, 1.96]
m = 4	17.46823	16.83335	16.24933	16.19694	[-1.96, 1.96]
m = 5	17.82231	17.77011	17.10341	17.07216	[-1.96, 1.96]

Table 22. BDS statistic results of daily rainfall(22 : Uljin)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.705	21.358	19.918	19.17	[-1.96, 1.96]
m = 3	19.401	18.177	17.22	16.46	[-1.96, 1.96]
m = 4	15.376	14.176	13.383	12.734	[-1.96, 1.96]
m = 5	14.913	13.579	12.658	11.778	[-1.96, 1.96]

Table 23. BDS statistic results of daily rainfall(23 : Ulseong)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.683	22.362	21.642	21.774	[-1.96, 1.96]
m = 3	18.953	18.526	17.919	18.09	[-1.96, 1.96]
m = 4	16.286	16.097	15.988	16.292	[-1.96, 1.96]
m = 5	15.348	15.885	16.178	16.555	[-1.96, 1.96]

Table 24. BDS statistic results of daily rainfall(24 : Pohang)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.2037	21.7743	20.7901	20.7183	[-1.96, 1.96]
m = 3	17.154	17.0561	16.316	16.305	[-1.96, 1.96]
m = 4	15.6163	15.4561	14.6881	14.6095	[-1.96, 1.96]
m = 5	14.5647	14.372	13.745	13.4822	[-1.96, 1.96]

Table 25. BDS statistic results of daily rainfall(25 : Goheung)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.3476	23.1182	22.7072	22.5451	[-1.96, 1.96]
m = 3	17.9009	17.422	17.324	17.8078	[-1.96, 1.96]
m = 4	14.1299	13.8087	13.915	14.4965	[-1.96, 1.96]
m = 5	12.2347	12.1431	12.1139	12.2226	[-1.96, 1.96]

Table 26. BDS statistic results of daily rainfall(26 : Mokpo)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	21.0292	20.0217	19.5329	19.5219	[-1.96, 1.96]
m = 3	19.0581	18.5632	18.4335	18.3542	[-1.96, 1.96]
m = 4	17.2493	17.1283	17.0954	17.1993	[-1.96, 1.96]
m = 5	13.164	13.2854	13.6783	14.054	[-1.96, 1.96]

Table 27. BDS statistic results of daily rainfall(27 : Yeosu)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.7754	21.9536	21.5018	21.4468	[-1.96, 1.96]
m = 3	17.9176	17.7998	17.3787	17.5247	[-1.96, 1.96]
m = 4	15.7671	15.5163	15.664	16.0805	[-1.96, 1.96]
m = 5	13.8776	13.5068	13.2689	13.4849	[-1.96, 1.96]

Table 28. BDS statistic results of daily rainfall(28 : Wando)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	21.061	19.68	19.393	19.226	[-1.96, 1.96]
m = 3	17.299	16.76	16.664	16.76	[-1.96, 1.96]
m = 4	14.139	13.268	13.373	13.689	[-1.96, 1.96]
m = 5	11.662	11.499	11.73	12.032	[-1.96, 1.96]

Table 29. BDS statistic results of daily rainfall(29 : Jangheung)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	26.7198	26.1141	26.0473	26.2643	[-1.96, 1.96]
m = 3	21.9189	22.2377	22.6488	23.0359	[-1.96, 1.96]
m = 4	18.5553	19.3599	19.8417	20.3801	[-1.96, 1.96]
m = 5	19.1371	19.8837	20.6964	21.2076	[-1.96, 1.96]

Table 30. BDS statistic results of daily rainfall(30 : Juam)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.8452	21.2667	19.8484	19.4153	[-1.96, 1.96]
m = 3	19.1526	17.9649	16.8948	16.3637	[-1.96, 1.96]
m = 4	15.4316	13.9162	13.1053	12.6600	[-1.96, 1.96]
m = 5	14.6991	12.9443	11.7352	11.1525	[-1.96, 1.96]

Table 31. BDS statistic results of daily rainfall(31 : Haenam)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	19.7528	18.877	18.5157	18.4108	[-1.96, 1.96]
m = 3	16.5279	15.651	15.6253	15.8452	[-1.96, 1.96]
m = 4	15.1294	14.3767	14.4139	14.8028	[-1.96, 1.96]
m = 5	13.7971	13.1939	13.0559	13.5162	[-1.96, 1.96]

Table 32. BDS statistic results of daily rainfall(32 : Gunsan)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.3172	23.2687	22.4752	22.0749	[-1.96, 1.96]
m = 3	17.5494	17.9413	17.9257	18.3579	[-1.96, 1.96]
m = 4	14.4674	15.6207	15.9615	16.2304	[-1.96, 1.96]
m = 5	12.6142	13.9997	14.6579	15.1106	[-1.96, 1.96]

Table 33. BDS statistic results of daily rainfall(33 : Namwon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	41.2072	42.2374	42.6837	43.2225	[-1.96, 1.96]
m = 3	37.0356	38.5332	38.8485	39.0007	[-1.96, 1.96]
m = 4	31.8247	33.3775	34.3097	35.0255	[-1.96, 1.96]
m = 5	28.2038	30.0558	31.39	32.2554	[-1.96, 1.96]

Table 34. BDS statistic results of daily rainfall(34 : Buan)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	21.5408	20.2166	18.7723	18.5094	[-1.96, 1.96]
m = 3	16.8101	16.0982	14.8953	14.6118	[-1.96, 1.96]
m = 4	13.961	13.6505	12.6566	12.3813	[-1.96, 1.96]
m = 5	12.4271	12.5726	12.1772	12.1766	[-1.96, 1.96]

Table 35. BDS statistic results of daily rainfall(35 : Imsil)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.7489	24.1326	23.299	23.3448	[-1.96, 1.96]
m = 3	21.0694	21.0738	20.6445	21.0626	[-1.96, 1.96]
m = 4	20.358	20.8561	20.623	21.1636	[-1.96, 1.96]
m = 5	19.3653	20.4556	20.4091	20.8525	[-1.96, 1.96]

Table 36. BDS statistic results of daily rainfall(36 : Yeongju)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	26.7404	26.0846	25.7331	25.871	[-1.96, 1.96]
m = 3	21.2499	20.5613	20.334	20.5187	[-1.96, 1.96]
m = 4	17.4312	17.1089	16.919	16.9882	[-1.96, 1.96]
m = 5	16.3276	15.6931	15.3359	15.5686	[-1.96, 1.96]

Table 37. BDS statistic results of daily rainfall(37 : Jeongeup)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.3631	21.2129	20.0728	19.8187	[-1.96, 1.96]
m = 3	20.5743	20.7927	20.4213	20.4122	[-1.96, 1.96]
m = 4	18.6582	19.8877	20.3923	20.6557	[-1.96, 1.96]
m = 5	15.5472	17.5546	18.0765	18.3741	[-1.96, 1.96]

Table 38. BDS statistic results of daily rainfall(38 : Geumsan)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.6009	23.2573	22.9874	22.8955	[-1.96, 1.96]
m = 3	22.3132	21.8723	21.4214	21.3802	[-1.96, 1.96]
m = 4	19.8085	20.6599	20.7871	20.9235	[-1.96, 1.96]
m = 5	16.4702	17.843	18.0599	18.2174	[-1.96, 1.96]

Table 39. BDS statistic results of daily rainfall(39 : Boryeong)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	20.025	19.6896	19.2208	19.2869	[-1.96, 1.96]
m = 3	16.275	16.499	16.7737	17.2764	[-1.96, 1.96]
m = 4	13.4623	13.9356	14.1088	14.6885	[-1.96, 1.96]
m = 5	12.3465	12.8542	13.4062	14.2365	[-1.96, 1.96]

Table 40. BDS statistic results of daily rainfall(40 : Buyeo)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.4099	22.055	21.6483	21.5029	[-1.96, 1.96]
m = 3	17.6281	18.5684	18.9771	19.4572	[-1.96, 1.96]
m = 4	15.5171	16.0516	16.1802	16.7584	[-1.96, 1.96]
m = 5	14.8872	15.0379	14.9444	15.3648	[-1.96, 1.96]

Table 41. BDS statistic results of daily rainfall(41 : Seosan)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	20.5617	19.7588	18.8543	18.7837	[-1.96, 1.96]
m = 3	18.2284	17.443	17.0835	17.1427	[-1.96, 1.96]
m = 4	17.0626	16.5366	16.1788	16.4183	[-1.96, 1.96]
m = 5	14.7873	14.2017	13.6488	13.9773	[-1.96, 1.96]

Table 42. BDS statistic results of daily rainfall(42 : Cheonan)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.3592	22.7222	22.6876	22.9853	[-1.96, 1.96]
m = 3	19.022	18.4213	18.6135	18.8912	[-1.96, 1.96]
m = 4	16.8915	17.136	17.6758	18.2909	[-1.96, 1.96]
m = 5	15.8228	15.9458	16.6875	17.4076	[-1.96, 1.96]

Table 43. BDS statistic results of daily rainfall(43 : Boeun)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.6424	24.5003	24.2722	24.2439	[-1.96, 1.96]
m = 3	20.3537	21.2114	21.82	22.5116	[-1.96, 1.96]
m = 4	20.8617	21.3934	21.4146	21.964	[-1.96, 1.96]
m = 5	20.9669	22.1663	21.8573	22.0916	[-1.96, 1.96]

Table 44. BDS statistic results of daily rainfall(44 : Jechoen)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	25.3542	25.0938	24.6629	24.8069	[-1.96, 1.96]
m = 3	20.9500	21.8499	22.018	22.3852	[-1.96, 1.96]
m = 4	20.3524	20.8502	21.2983	21.3973	[-1.96, 1.96]
m = 5	19.5249	20.2799	20.7137	21.0253	[-1.96, 1.96]

Table 45. BDS statistic results of daily rainfall(45 : Cehongju)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.6959	22.7536	22.3198	22.1467	[-1.96, 1.96]
m = 3	19.0630	19.4147	19.5917	19.8901	[-1.96, 1.96]
m = 4	18.9811	18.9974	19.3449	19.6768	[-1.96, 1.96]
m = 5	17.9944	18.1654	18.7573	19.0654	[-1.96, 1.96]

Table 46. BDS statistic results of daily rainfall(46 : Chupungyeong)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.4349	24.2553	23.9049	23.841	[-1.96, 1.96]
m = 3	20.4686	21.3146	21.3267	21.557	[-1.96, 1.96]
m = 4	17.4575	18.6534	18.7478	19.1628	[-1.96, 1.96]
m = 5	18.3635	19.7618	19.7519	19.9005	[-1.96, 1.96]

Table 47. BDS statistic results of daily rainfall(47 : Chungju)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.8460	23.5059	23.2243	23.0662	[-1.96, 1.96]
m = 3	20.9195	21.3074	21.6122	21.7967	[-1.96, 1.96]
m = 4	20.7824	21.3426	21.4686	21.3755	[-1.96, 1.96]
m = 5	20.5351	20.955	21.1657	20.972	[-1.96, 1.96]

Table 48. BDS statistic results of daily rainfall(48 : Ganghwa)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	24.6523	23.8116	23.4285	23.4081	[-1.96, 1.96]
m = 3	23.8054	23.1632	22.7352	22.8128	[-1.96, 1.96]
m = 4	22.4729	21.9718	21.7561	21.8562	[-1.96, 1.96]
m = 5	21.0642	19.9316	19.228	19.219	[-1.96, 1.96]

Table 49. BDS statistic results of daily rainfall(49 : Incheon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.7003	21.9719	21.399	21.2583	[-1.96, 1.96]
m = 3	20.0557	19.5866	19.1922	19.1457	[-1.96, 1.96]
m = 4	20.3016	19.9688	19.8219	19.9576	[-1.96, 1.96]
m = 5	19.6772	18.7477	18.6472	18.7517	[-1.96, 1.96]

Table 50. BDS statistic results of daily rainfall(50 : Gwangju)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	21.3686	20.6299	20.5563	20.7307	[-1.96, 1.96]
m = 3	18.3768	18.6654	18.626	19.0164	[-1.96, 1.96]
m = 4	15.7136	16.7762	17.6307	18.0011	[-1.96, 1.96]
m = 5	16.7275	17.4040	17.9184	18.2367	[-1.96, 1.96]

Table 51. BDS statistic results of daily rainfall(51 : Daegu)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.2108	22.4697	21.5245	21.4005	[-1.96, 1.96]
m = 3	19.2055	18.8923	18.0644	18.0481	[-1.96, 1.96]
m = 4	18.5409	17.9936	17.6119	17.465	[-1.96, 1.96]
m = 5	19.2836	18.9301	18.6309	18.5025	[-1.96, 1.96]

Table 52. BDS statistic results of daily rainfall(52 : Daejeon)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.1413	23.3247	23.1242	23.3388	[-1.96, 1.96]
m = 3	19.4035	19.9921	20.0759	20.4002	[-1.96, 1.96]
m = 4	18.7677	19.5131	19.696	19.7935	[-1.96, 1.96]
m = 5	17.5787	18.5561	18.4767	18.8271	[-1.96, 1.96]

Table 53. BDS statistic results of daily rainfall(53 : Busan)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.0398	22.9659	22.2452	21.9735	[-1.96, 1.96]
m = 3	16.7995	18.1613	18.4448	18.5958	[-1.96, 1.96]
m = 4	15.9574	17.4031	17.4937	17.8016	[-1.96, 1.96]
m = 5	13.5764	14.3287	14.3267	14.7029	[-1.96, 1.96]

Table 54. BDS statistic results of daily rainfall(54 : Seoul)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	23.4914	22.5182	22.4727	22.5975	[-1.96, 1.96]
m = 3	20.8234	20.4096	20.513	20.7658	[-1.96, 1.96]
m = 4	22.3081	21.6534	21.6065	22.0250	[-1.96, 1.96]
m = 5	21.3374	21.3777	21.2002	21.6694	[-1.96, 1.96]

Table 55. BDS statistic results of daily rainfall(55 : Ulsan)

	r = 0.5s	r = 1.0s	r = 1.5s	r = 2.0s	C.L
m = 2	22.8733	21.7343	21.42	21.3051	[-1.96, 1.96]
m = 3	18.1781	17.5146	16.9722	16.7856	[-1.96, 1.96]
m = 4	15.1023	14.5877	14.3096	14.2363	[-1.96, 1.96]
m = 5	13.9779	13.986	13.4707	13.3655	[-1.96, 1.96]