Distance (m)	signal	noise	SNR (dB)	Smoothed Y1	signal	noise	SNR (dB)	signal	noise	SNR (dB)	Smoothed Y2	signal	noise	SNR (dB)	Smoothed Y3	signal	noise	SNR (dB)	Smoothed Y4	signal	noise	SNR (dB)	signal	noise	SNR (dB)
				2 pulse light rain	2 pulse light rain_		2 pulse moderate rain			2 pulse heavy rain	2 pulse heavy rain			3 pulse light rain	3 pulse light rain			3 pulse moderate rain	3 pulse moderate rain			3 pulse heavy rain			3 pulse heavy rain_2
			$10*log(col(B)/col(C))$				$10*log(col(E)/col(F))$			$10*log(col(H)/col(I))$				$10*log(col(K)/col(L))$				$10*log(col(N)/col(O))$				$10*log(col(Q)/col(R))$			$10*log(col(X)/col(Y))$
0	3.3914E-8	6.286E-15	67.32005	67.37188	3.5184E-8	6.445E-15	67.37122	3.4954E-8	6.226E-15	67.49288	68.25385	5.80773E-10	3.216E-15	52.5669	53.09152	2.48603E-10	3.218E-15	48.8792	48.13209	5.41142E-10	3.204E-15	52.27619	5.34178E-10	3.245E-15	52.16471
400	4.148E-9	6.67E-15	57.93713	58.05892	1.695E-9	6.34E-15	54.2708	4.98009E-10	6.415E-15	48.90041	47.11554	1.20321E-10	3.178E-15	45.78188	44.07526	1.2396E-11	3.205E-15	35.87454	38.1674	9.472E-12	3.228E-15	34.67508	4.54E-12	3.175E-15	31.55312
800	8.5834E-10	6.296E-15	51.34595	50.66954	2E-10	6.36E-15	44.97573	8.63E-12	6.738E-15	31.0748	31.86356	8.563E-12	3.201E-15	34.2734	36.24555	4.515E-12	3.227E-15	31.45859	29.98148	4.35652E-13	3.228E-15	21.30206	4.02372E-13	3.188E-15	21.01109
1200	1.74824E-10	6.313E-15	44.42365	46.07739	5.0583E-11	6.317E-15	39.03494	9.73005E-13	6.481E-15	21.76473	22.55593	3.625E-12	3.212E-15	30.52532	29.304	1.033E-12	3.199E-15	25.09086	23.57434	1.5065E-13	3.237E-15	16.67826	1.14638E-13	3.187E-15	15.55947
1600	9.8764E-11	6.32E-15	41.93882	39.13531	6.583E-12	6.464E-15	30.07923	5.6463E-13	6.311E-15	19.51666	17.84026	7.93625E-13	3.15E-15	24.01305	24.11578	1.7E-13	3.198E-15	17.2557	18.94598	1.32665E-13	3.203E-15	16.17199	9.2127E-14	3.188E-15	14.60869
2000	5.462E-12	6.32E-15	29.36635	31.96683	5.51112E-13	6.464E-15	19.30739	1.50643E-13	6.506E-15	13.64635	14.40186	2.21E-13	3.15E-15	18.46082	19.64232	1.27372E-13	3.199E-15	16.0006	16.0964	1.17367E-13	3.224E-15	15.61151	9.0429E-14	3.156E-15	14.57171
2400	1.948E-12	6.32E-15	24.88872	24.05573	1.11112E-13	6.464E-15	12.3526	1.30639E-13	6.506E-15	13.02759	12.92923	1.37323E-13	3.15E-15	16.39433	15.78646	1.1E-13	3.199E-15	15.36378	15.02559	4.08753E-13	3.118E-15	21.17585	9.0041E-14	3.203E-15	14.48883