h Results

S.No	Arch, LR, Batch, Split, Remarks	Pixel Acc	Mean CA	FreqW IoU	Mean IoU	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
1	**ResNet7, 1e-5, 16, Test**	0.4973	0.2336	0.3114	0.1375	0.6191	0.0577	0.7185	0	0	0.0064
	ResNet7, 1e-5, 16, Train	0.5550	0.2472	0.3381	0.1641	0.4567	0.1043	0.7134	0.0703	0.0922	0.0461
2	**ResNet7, 1e-3, 16, Test**	0.7809	0.5758	0.5722	0.4417	0.7928	0.8845	0.9282	0.5889	0.1239	0.1369
	ResNet7, 1e-3, 16, Train	0.9217	0.8182	0.8642	0.7057	0.8896	0.9336	0.9679	0.8249	0.6409	0.6525
3	**ResNet7, 1e-2, 32, Test**	0.8153	0.6049	0.6901	0.5040	0.9376	0.8338	0.9515	0.4954	0.1820	0.2291
	ResNet7, 1e-2, 32, Train	0.9664	0.9335	0.9363	0.8738	0.9880	0.9207	0.9842	0.8917	0.9025	0.9136
4	**ResNet9, 1e-5, 16, Test**	0.5393	0.2338	0.3491	0.1500	0.3241	0.1920	0.8868	0	0	0
	ResNet9, 1e-5, 16, Test	0.4896	0.2641	0.3239	0.1675	0.2643	0.2059	0.7258	0.0858	0.2242	0.0788
5	**ResNet9, 1e-3, 16, Test**	0.7924	0.6085	0.6682	0.4704	0.8315	0.8517	0.9392	0.5592	0.1046	0.3650
	ResNet9, 1e-3, 16, Train	0.9292	0.8480	0.8767	0.7238	0.9228	0.9237	0.9691	0.8075	0.6289	0.8361
6	**ResNet9, 1e-2, 32, Test**	0.7950	0.6477	0.6662	0.5122	0.9740	0.8555	0.8515	0.7079	0.3212	0.1762
	ResNet9, 1e-2, 32, Train	0.9692	0.9326	0.9410	0.8896	0.9885	0.9228	0.9835	0.9364	0.9329	0.8315
7	**ResNet9, 1e-2, 32, Test, MCA**	0.8448	0.7178	0.7451	0.5724	0.9151	0.8817	0.9552	0.6281	0.3496	0.5776
	ResNet9, 1e-2, 32, Train, MCA	0.9749	0.9515	0.9518	0.9131	0.9789	0.9443	0.9903	0.9357	0.9203	0.9399
8	**ResNet9, 1e-5, 32, Test, ADAM**	0.8472	0.7111	0.7419	0.5832	0.9286	0.8778	0.9583	0.6688	0.3050	0.5285
	ResNet9, 1e-5, 32, Train, ADAM	0.9836	0.9731	0.9681	0.9483	0.9892	0.9606	0.9919	0.9595	0.9574	0.9803

9	**ResNet9, 1e-5, 32, Test, ADAM, Scheduler**	0.8448 5	0.7016	0.74	0.5743	0.9328	0.8788	0.955	0.6534	0.324	0.4657
	ResNet9, 1e-5, 32, Train, ADAM, Scheduler	0.9835	0.9733	0.9678	0.9474	0.9906	0.9547	0.9918	0.9654	0.9585	0.9788
10	**ResNet9, 1e-3, 16, Test, MCA**	0.7489	0.6043	0.6281	0.4269	0.6770	0.7737	0.9175	0.5757	0.0941	0.5879
	ResNet9, 1e-3, 16, Train, MCA	0.8818	0.8065	0.8033	0.6425	0.7870	0.8748	0.9457	0.8244	0.6189	0.7880
11	**ResNet9, 0.001, 32, Test, ADAM Patch 40X40, Stride 30**	0.8642	0.7857	0.77015	0.6337	0.9541	0.8842	0.9396	0.7427	0.3856	0.8076
	ResNet9, 0.001, 32, Train, ADAM Patch 40X40, Stride 30	0.9895	0.9822	0.9794	0.9648	0.9925	0.9751	0.9943	0.9756	0.9682	0.9874

SeismicNet Results

S.No	Arch, LR, Batch, Split, Remarks	Pixel Acc	Mean CA	FreqW IoU	Mean IoU	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
1	**SeismicNet 5Encoder, 0.001, 32, test, ADAM**	0.8221	0.7573	0.7343	0.6024	0.9060	0.8610	0.9618	0.7001	0.2394	0.8574
	SeismicNet 5Encoder, 0.001, 32, train, ADAM	0.9766	0.9737	0.9545	0.9411	0.9553	0.9523	0.9901	0.9809	0.9715	0.9920
2	**SeismicNet 4Encoder, 0.001, 32, test, ADAM**	0.8464	0.6893	0.7404	0.5766	0.9593	0.8332	0.9406	0.6972	0.3144	0.3911
	SeismicNet 4Encoder, 0.001, 32, train, ADAM	0.9816	0.9668	0.9642	0.9359	0.9920	0.9473	0.9902	0.9748	0.9323	0.9643

3	**SeismicNet 4Encoder ASPP, 0.001, 32, test, ADAM**	0.8531	0.7747	0.7742	0.6163	0.9496	0.8386	0.9392	0.7330	0.3480	0.8393
	SeismicNet 4Encoder ASPP, 0.001, 32, train, ADAM	0.9832	0.9795	0.9674	0.9368	0.9884	0.9557	0.9882	0.9825	0.9783	0.9842
4	**SeismicNet 4Encoder, 1e-5, 32, test, ADAM, BNadded**	0.0858	0.2765	0.03075	0.04205	0.0044	0.0794	0.035	0.582	0.028	0.9304
	SeismicNet 4Encoder, 1e-5, 32, train, ADAM, BNadded	0.1041	0.3119	0.0409	0.0523	4.000e-04	8.080e-02	3.920e-02	8.066e-01	6.690e-02	8.773e-01
5	**SeismicNet 4Encoder, 0.001, 32, test, ADAM, BNadded**	0.8117	0.65795	0.70295	0.508	0.895	0.7969	0.9084	0.848	0.253	0.2464
	SeismicNet 4Encoder, 0.001, 32, train, ADAM, BNadded	0.9357	0.8802	0.8833	0.7985	0.9081	0.8731	0.9709	0.9719	0.7759	0.7809
6											
7	**SeismicNet 4Encoder, 0.1, 32, test, AdaDelta, BNadded**	0.854449999999999	0.7623	0.758699999999999	0.599299999999999	0.9307	0.8831	0.9405	0.7581	0.4295	0.6318
	SeismicNet 4Encoder, 0.1, 32, train, AdaDelta, BNadded	0.9814	0.9677	0.964	0.9393	0.9846	0.9566	0.9899	0.9736	0.956	0.9455
8	**SeismicNet 4Encoder, 1.0, 32, test, AdaDelta, BNadded**	0.8479	0.67915	0.7398	0.57825	0.967	0.842	0.9486	0.664	0.2866	0.3667
	SeismicNet	0.9891	0.9843	0.9785	0.9647	0.992	0.9756	0.9937	0.9734	0.9803	0.9906

	4Encoder, 1.0, 32, train, AdaDelta, BNadded										
9	**SeismicNet 3Encoder, 0.001, 32, test, ADAM**	0.8302	0.7166	0.7328	0.5502	0.9349	0.8874	0.8957	0.7267	0.3100	0.5452
	SeismicNet 3Encoder, 0.001, 32, train, ADAM	0.9775	0.9570	0.9567	0.9147	0.9892	0.9553	0.9842	0.9697	0.9235	0.9200
10	**SeismicNet 3Encoder, 0.001, 16, test, ADAM**	0.7918	0.5433	0.6490	0.4513	0.9646	0.7620	0.9385	0.4678	0.0894	0.0373
	SeismicNet 3Encoder, 0.001, 16, train, ADAM	0.9375	0.7879	0.8833	0.7354	0.9804	0.9130	0.9776	0.7960	0.6443	0.4164
11	**SeismicNet 3Encoder, 1e-5, 32, test, ADAM**	0.0362	0.1855	0.0114	0.0187	0.0035	0	0.012	0.1002	0.0001	0.9972
	SeismicNet 3Encoder, 1e-5, 32, train, ADAM	0.0494	0.2165	0.0262	0.0491	0	0.0003	0.0170	0.3530	0.0525	0.8757
12	**SeismicNet 3Encoder, 1e-5, 16, test, ADAM**	0.5005	0.1912	0.2914	0.09995	0.0034	0	0.9562	0.0112	0.0037	0.1723
	SeismicNet 3Encoder, 1e-5, 16, train, ADAM	0.4932	0.2439	0.2967	0.107	0	0	0.8931	0.0057	0.0519	0.5129
13	**SeismicNet 3Encoder ASPP, 0.001, 32, test, ADAM**	0.5366	0.3048	0.3218	0.1682	0.0034	0.0008	0.9278	0.6457	0.0567	0.194
	SeismicNet 3Encoder ASPP, 0.001, 32, train, ADAM	0.5177	0.4181	0.3179	0.1976	0	0.0143	0.8117	0.8772	0.174	0.6315
14	**SeismicNet 3Encoder,**	0.0458	0.2129 5	0.011	0.02035	0.0034	0.0	0.0038	0.2413	0.0408	0.9882

	1e-5, 32, test, ADAM, BNadded										
	SeismicNet 3Encoder, 1e-5, 32, train, ADAM, BNadded	0.0659	0.2429	0.0257	0.0424	0.	0.0013	0.0237	0.5276	0.1215	0.7833
15	**SeismicNet 3Encoder, 0.001, 32, test, ADAM, BNadded**	0.66855	0.405950000000003	0.50105	0.30000000000000004	0.4635	0.7051	0.9172	0.1968	0.148	0.0051
	SeismicNet 3Encoder, 0.001, 32, train, ADAM, BNadded	0.7294	0.53	0.5726	0.3872	0.4548	0.768	0.9117	0.2137	0.6839	0.148
16	**SeismicNet 3Encoder, 0.001, 32, test, SGD, BNadded**	0.5156	0.1669	0.27305	0.087	0.0034	0.0	0.996	0.0022	0.0	0.0
	SeismicNet 3Encoder, 0.001, 32, train, SGD, BNadded	0.5283	0.183	0.2936	0.1048	0.000e+00	0.000e+00	9.596e-01	1.236e-01	1.470e-02	1.000e-04