

# SOS Dataset Results

## 1.1 ResNet encoder

### 1.1.1 Metric: recall, step: test

Models	ResNet34	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR+DAL	+MR+DAL	+MR+DAL	+MR+DAL
Models	ResNet34	(add)	(cat)	(max)	(rand)	(alpha)	(alpha+pos)	(MLP)	(CNN)	(Channel)	(Spatial)	(Gated)	(Multi)
UNet	0.872894	0.855034	0.871916	0.862826	0.887002	0.875059	0.869107	0.888769	0.870077	0.823328	0.881179	0.832727	0.870077
UNet++	0.860253	0.869473	0.842291	0.875151	0.873273	0.868081	0.798946	0.892199	0.885457	0.841016	0.894275	0.838073	0.842785
UNet3p	0.859218	0.833496	0.862223	0.854468	NA	NA	NA	NA	NA	NA	NA	NA	NA
LinkNet	0.876183	0.828251	0.836124	0.852823	0.850448	0.868025	0.830713	0.859897	0.865414	0.852967	0.860197	0.860654	0.888002
PSPNet	0.860511	0.864710	0.868137	0.861308	0.874142	0.832997	0.845774	0.872181	0.862886	0.839192	0.864025	0.854378	0.847898
FPN	0.861582	0.870806	0.841985	0.842413	0.868835	0.851418	0.829827	0.857850	0.855990	0.822008	0.845196	0.825444	0.823576
DeepLabV3+	0.857618	0.864672	0.888295	0.864237	0.864861	0.858381	0.842033	0.862416	0.877785	0.837114	0.877141	0.865288	0.887186
MA-Net	0.910706	0.886123	0.887512	0.830574	0.902189	0.864404	0.851625	0.839417	0.845932	0.834415	0.860666	0.897949	0.845068

### 1.1.2 Metric: precision, step: test

Models	ResNet34	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR+DAL	+MR+DAL	+MR+DAL	+MR+DAL
Models	ResNet34	(add)	(cat)	(max)	(rand)	(alpha)	(alpha+pos)	(MLP)	(CNN)	(Channel)	(Spatial)	(Gated)	(Multi)
UNet	0.840213	0.835184	0.829460	0.813924	0.834129	0.819322	0.810777	0.820185	0.829153	0.818009	0.817187	0.822487	0.753173
UNet++	0.847025	0.831264	0.855951	0.828374	0.841313	0.831068	0.839058	0.833257	0.826782	0.823364	0.794669	0.821490	0.801187
UNet3p	0.830980	0.840981	0.835586	0.840637	NA	NA	NA	NA	NA	NA	NA	NA	NA
LinkNet	0.821743	0.836121	0.847283	0.827802	0.844417	0.821637	0.810563	0.832886	0.832359	0.822371	0.833380	0.830720	0.751250
PSPNet	0.819596	0.827815	0.828020	0.821835	0.829457	0.845230	0.818335	0.839552	0.833085	0.834243	0.829208	0.831828	0.830903
FPN	0.826531	0.814829	0.841207	0.826805	0.836185	0.831913	0.832536	0.841092	0.832990	0.834365	0.845951	0.847993	0.825827
DeepLabV3+	0.839929	0.835414	0.814274	0.836748	0.852173	0.840259	0.837169	0.834040	0.829497	0.830092	0.826216	0.840066	0.775951
MA-Net	0.772170	0.806453	0.848199	0.830843	0.816445	0.850131	0.833059	0.863117	0.871429	0.786053	0.849970	0.839752	0.810995

### 1.1.3 Metric: flscore, step: test

Models	ResNet34	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR+DAL	+MR+DAL	+MR+DAL	+MR+DAL
Models	ResNet34	(add)	(cat)	(max)	(rand)	(alpha)	(alpha+pos)	(MLP)	(CNN)	(Channel)	(Spatial)	(Gated)	(Multi)
UNet	0.856242	0.844992	0.850159	0.837662	0.859754	0.846274	0.838930	0.853101	0.849122	0.820660	0.847978	0.827575	0.807415
UNet++	0.853588	0.849939	0.849066	0.851120	0.856995	0.849171	0.818511	0.861721	0.855114	0.832097	0.841535	0.829698	0.821460
UNet3p	0.844863	0.837222	0.848695	0.847496	NA	NA	NA	NA	NA	NA	NA	NA	NA
LinkNet	0.848090	0.832167	0.841666	0.840126	0.847422	0.844194	0.820514	0.846176	0.848565	0.837389	0.846576	0.845422	0.813922
PSPNet	0.839555	0.845860	0.847604	0.841109	0.851213	0.839069	0.831828	0.855555	0.847724	0.836710	0.846259	0.842952	0.839314
FPN	0.843693	0.841888	0.841596	0.834536	0.852197	0.841552	0.831179	0.849388	0.844334	0.828140	0.845573	0.836567	0.824700
DeepLabV3+	0.848681	0.849791	0.849675	0.850270	0.858470	0.849224	0.839594	0.847991	0.852958	0.833589	0.850917	0.852491	0.827848
MA-Net	0.835736	0.844413	0.867410	0.830709	0.857178	0.857208	0.842240	0.851102	0.858491	0.809512	0.855285	0.867876	0.827681

1.1.4 Metric: m\_iou, step: test

Models	ResNet34	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR	+MR+DAL	+MR+DAL	+MR+DAL	+MR+DAL
Models	ResNet34	(add)	(cat)	(max)	(rand)	(alpha)	(alpha+pos)	(MLP)	(CNN)	(Channel)	(Spatial)	(Gated)	(Multi)
UNet	0.801297	0.788341	0.793161	0.777443	0.804407	0.787480	0.778298	0.795063	0.791987	0.760454	0.789009	0.768192	0.735267
UNet++	0.799234	0.793170	0.795384	0.794061	0.802274	0.792306	0.761268	0.806499	0.798235	0.773010	0.778412	0.770241	0.758597
UNet3p	0.787627	0.780828	0.792403	0.791770	NA	NA	NA	NA	NA	NA	NA	NA	NA
LinkNet	0.789806	0.774876	0.786356	0.782110	0.792177	0.785576	0.759159	0.789306	0.791823	0.778424	0.789806	0.788194	0.741205
PSPNet	0.780311	0.788261	0.790178	0.782298	0.794313	0.783333	0.771986	0.800451	0.791009	0.779385	0.788887	0.785691	0.781682
FPN	0.785743	0.782081	0.785500	0.776060	0.796308	0.784205	0.773357	0.793884	0.787334	0.770459	0.790376	0.781040	0.765722
DeepLabV3+	0.792963	0.793573	0.790418	0.794274	0.805265	0.793596	0.782834	0.791429	0.796235	0.775531	0.793534	0.797141	0.760559
MA-Net	0.768021	0.783479	0.814848	0.772632	0.799027	0.803616	0.785097	0.798436	0.807485	0.744010	0.801467	0.814329	0.766556