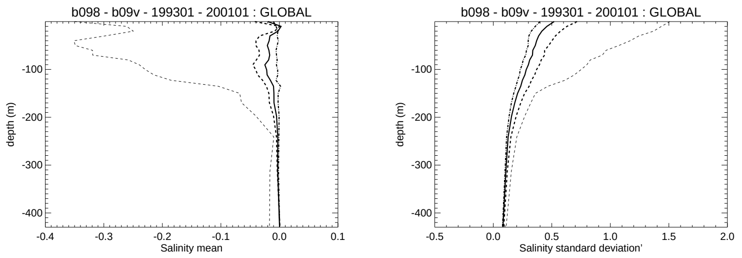
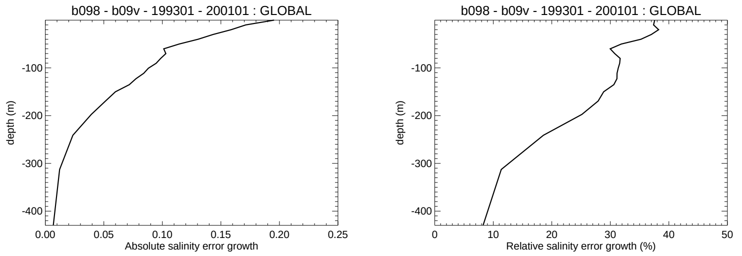


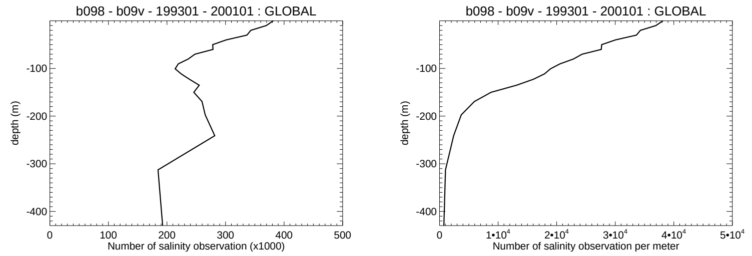
(a) Salinity mean (b) Salinity std dev

FIG. 1 – Salinity mean and standard deviation in GLOBAL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



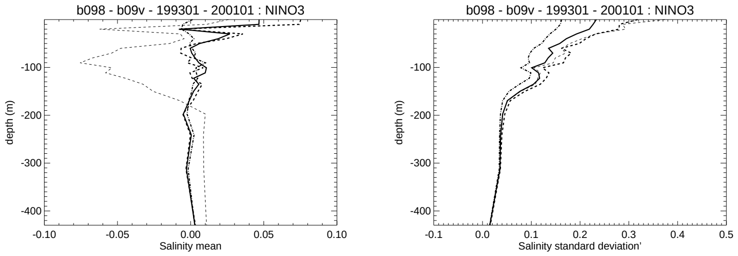
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 2 – Absolute and relative error growth in GLOBAL



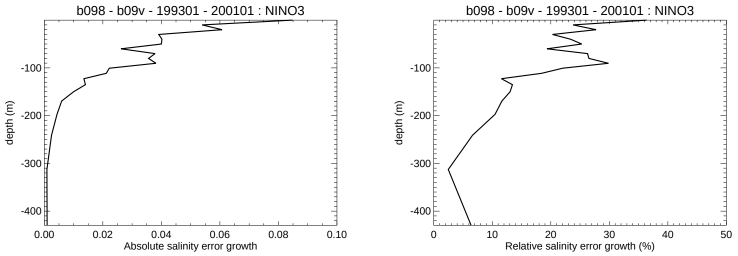
(a) Number of salinity observations (b) Density of salinity observations

FIG. 3 – Number and density of salinity observations in GLOBAL



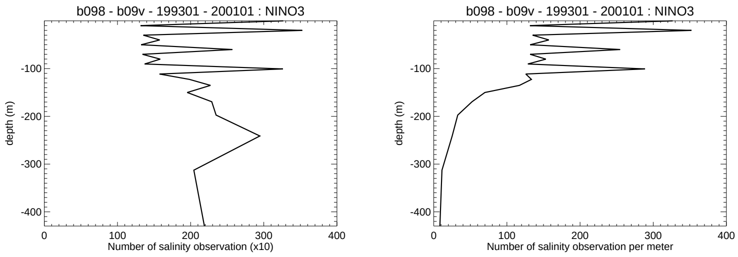
(a) Salinity mean (b) Salinity std dev

Fig. 4 – Salinity mean and standard deviation in NINO3 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



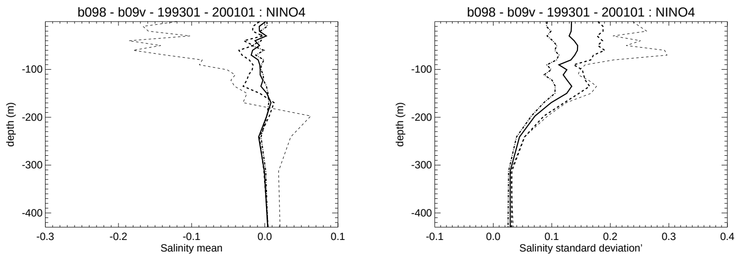
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 5 – Absolute and relative error growth in NINO3



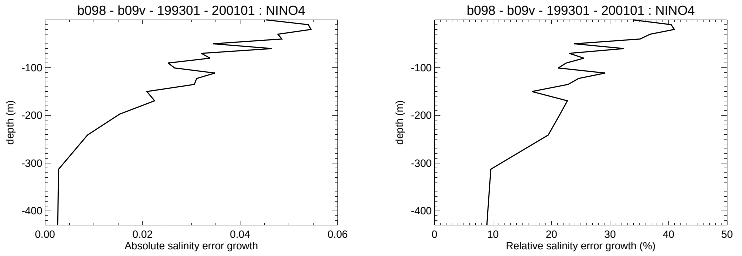
(a) Number of salinity observations (b) Density of salinity observations

Fig. 6 – Number and density of salinity observations in NINO3



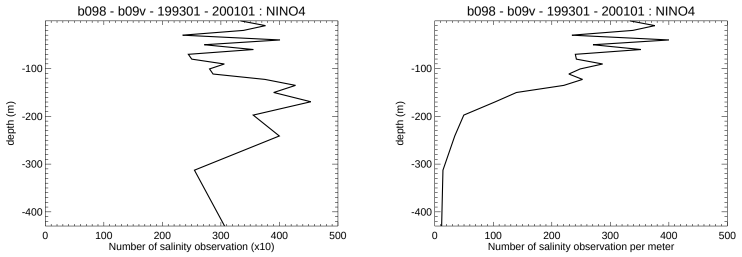
(a) Salinity mean (b) Salinity std dev

Fig. 7 – Salinity mean and standard deviation in NINO4 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



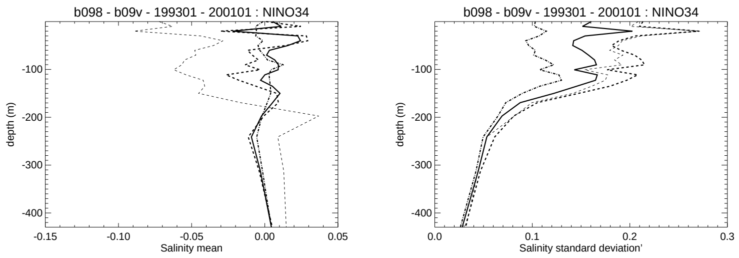
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 8 – Absolute and relative error growth in NINO4



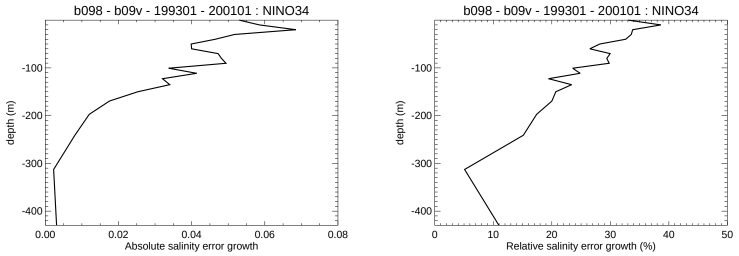
(a) Number of salinity observations (b) Density of salinity observations

Fig. 9 – Number and density of salinity observations in NINO4



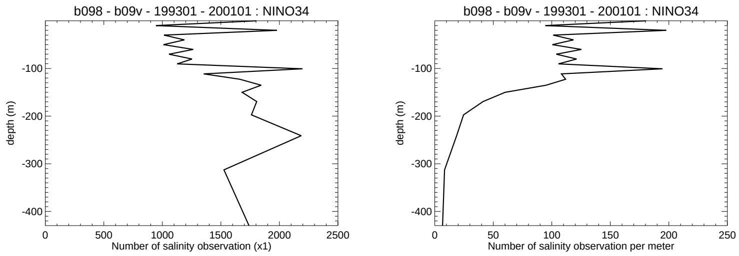
(a) Salinity mean (b) Salinity std dev

FIG. 10 – Salinity mean and standard deviation in NINO34 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



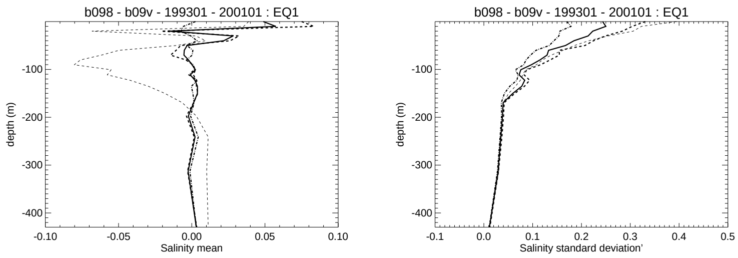
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 11 – Absolute and relative error growth in NINO34



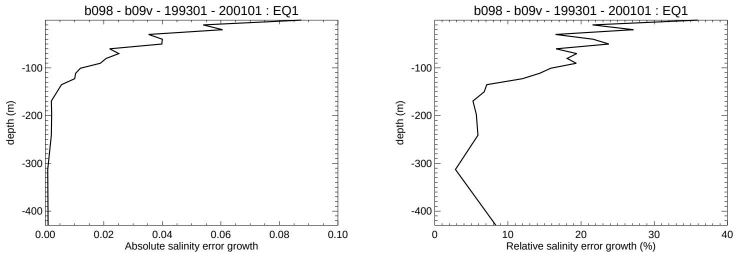
(a) Number of salinity observations (b) Density of salinity observations

FIG. 12 – Number and density of salinity observations in NINO34



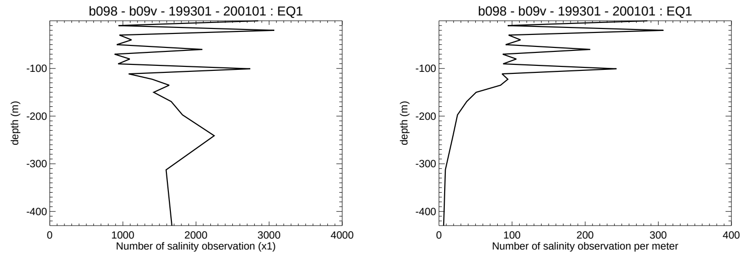
(a) Salinity mean (b) Salinity std dev

Fig. 13 – Salinity mean and standard deviation in EQ1 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



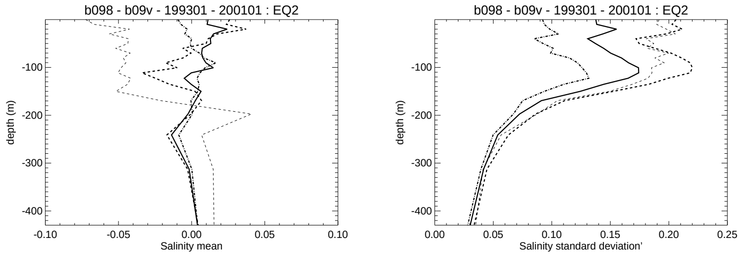
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 14 – Absolute and relative error growth in EQ1



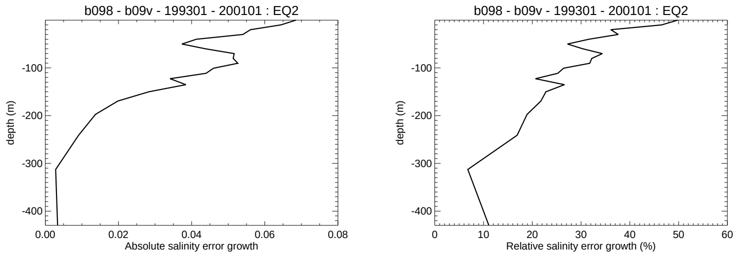
(a) Number of salinity observations (b) Density of salinity observations

Fig. 15 – Number and density of salinity observations in EQ1



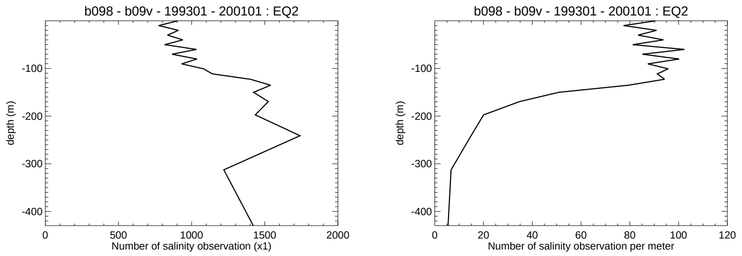
(a) Salinity mean (b) Salinity std dev

Fig. 16 – Salinity mean and standard deviation in EQ2 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



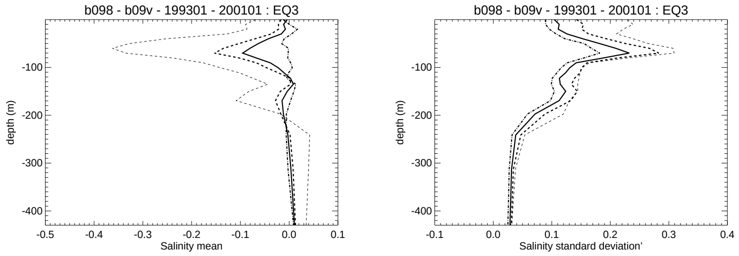
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 17 – Absolute and relative error growth in EQ2



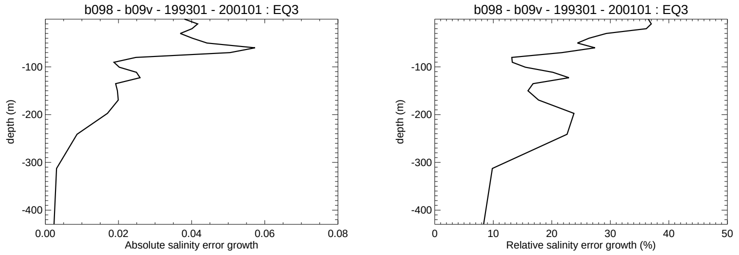
(a) Number of salinity observations (b) Density of salinity observations

Fig. 18 – Number and density of salinity observations in EQ2



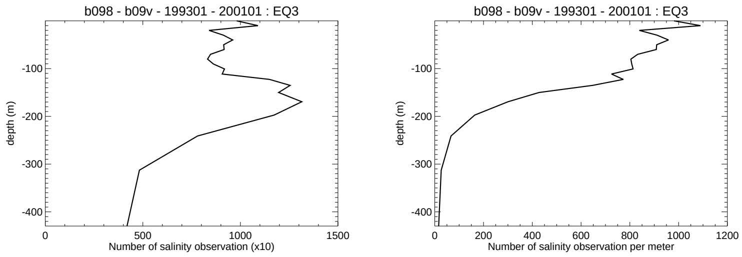
(a) Salinity mean (b) Salinity std dev

Fig. 19 – Salinity mean and standard deviation in EQ3 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



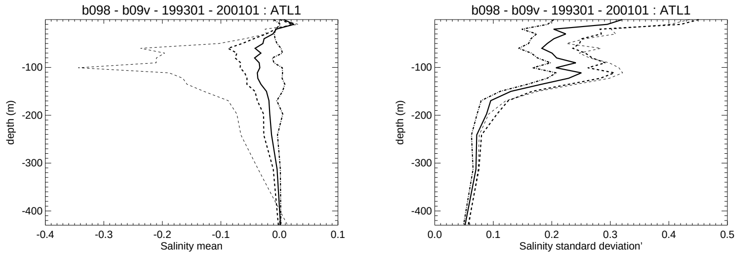
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 20 – Absolute and relative error growth in EQ3



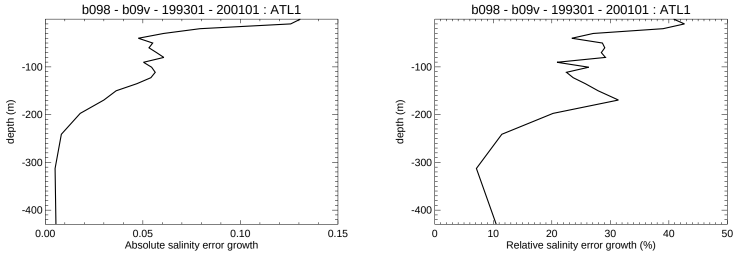
(a) Number of salinity observations (b) Density of salinity observations

Fig. 21 – Number and density of salinity observations in EQ3



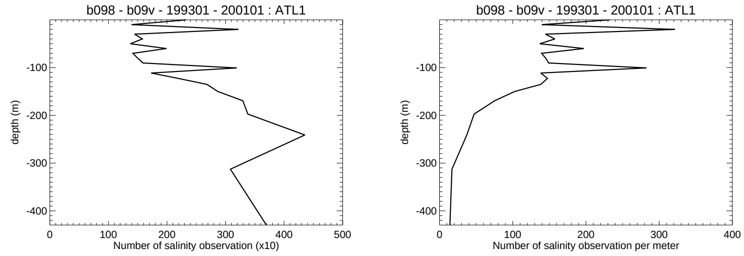
(a) Salinity mean (b) Salinity std dev

Fig. 22 – Salinity mean and standard deviation in ATL1 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



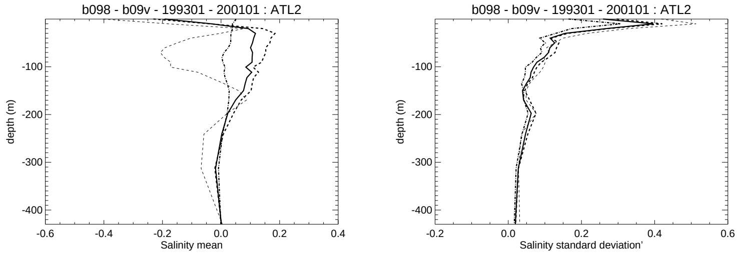
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 23 – Absolute and relative error growth in ATL1



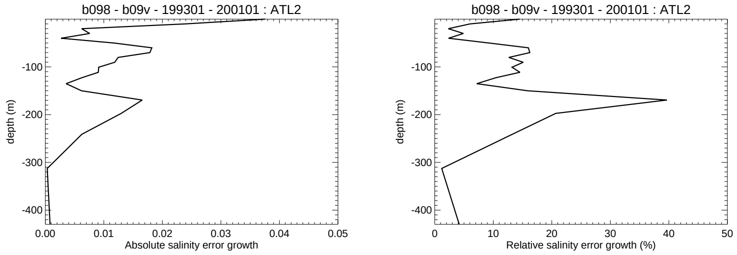
(a) Number of salinity observations (b) Density of salinity observations

Fig. 24 – Number and density of salinity observations in ATL1



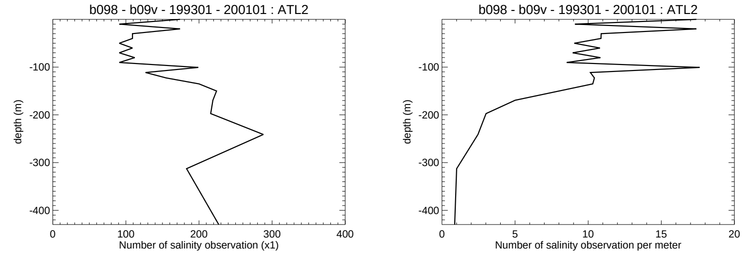
(a) Salinity mean (b) Salinity std dev

Fig. 25 – Salinity mean and standard deviation in ATL2 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



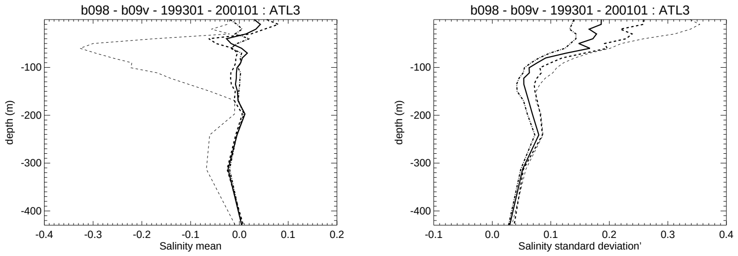
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 26 – Absolute and relative error growth in ATL2



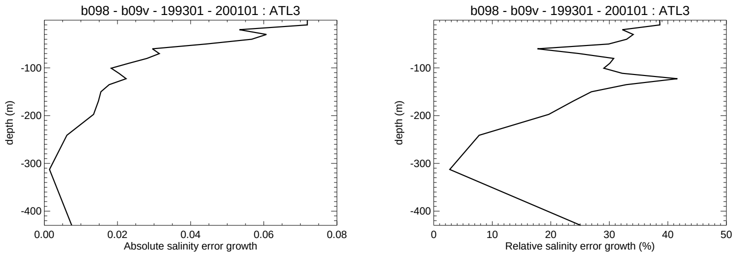
(a) Number of salinity observations (b) Density of salinity observations

Fig. 27 – Number and density of salinity observations in ATL2



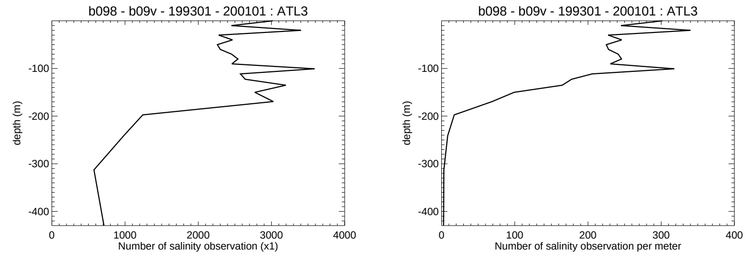
(a) Salinity mean (b) Salinity std dev

Fig. 28 – Salinity mean and standard deviation in ATL3 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



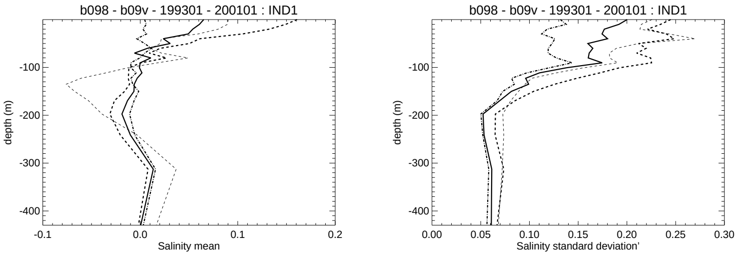
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 29 – Absolute and relative error growth in ATL3



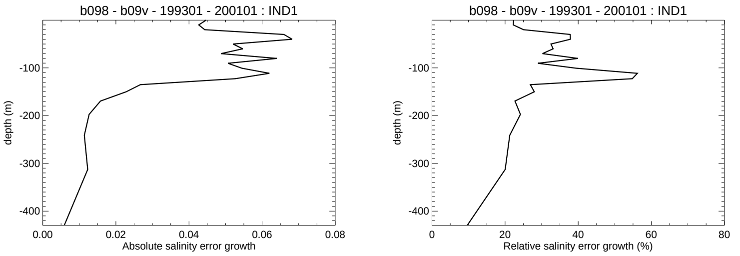
(a) Number of salinity observations (b) Density of salinity observations

Fig. 30 – Number and density of salinity observations in ATL3



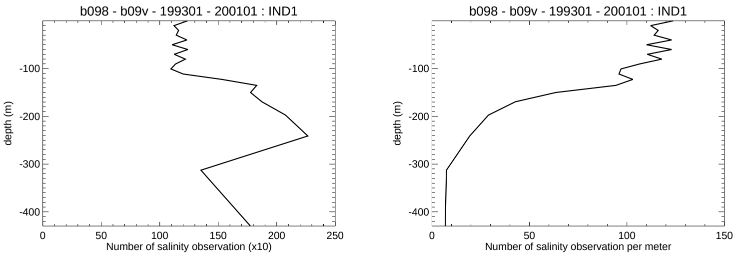
(a) Salinity mean (b) Salinity std dev

Fig. 31 – Salinity mean and standard deviation in IND1 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



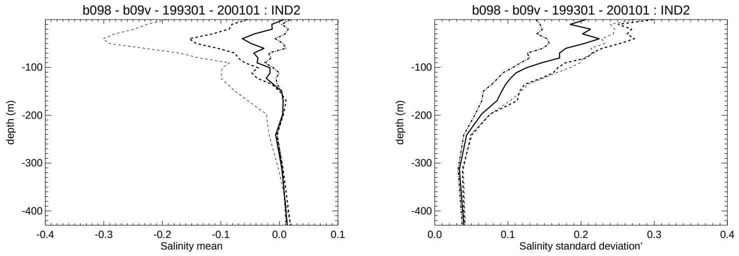
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 32 – Absolute and relative error growth in IND1



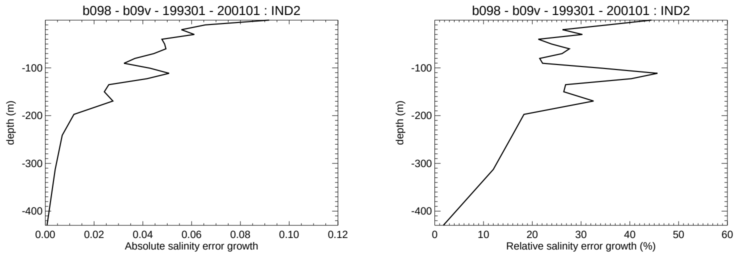
(a) Number of salinity observations (b) Density of salinity observations

Fig. 33 – Number and density of salinity observations in IND1



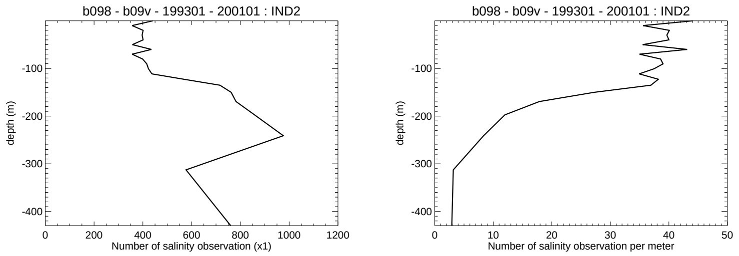
(a) Salinity mean (b) Salinity std dev

Fig. 34 – Salinity mean and standard deviation in IND2 (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



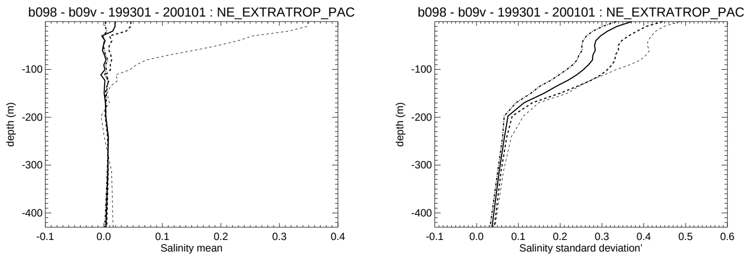
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 35 – Absolute and relative error growth in IND2



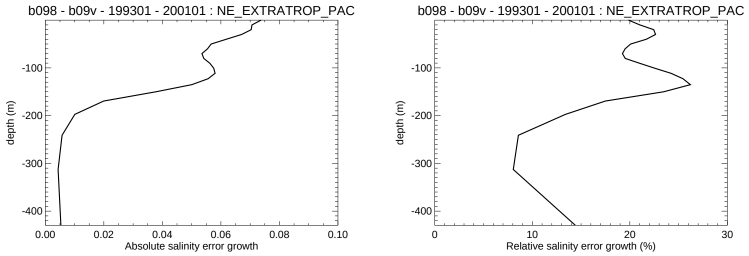
(a) Number of salinity observations (b) Density of salinity observations

Fig. 36 – Number and density of salinity observations in IND2



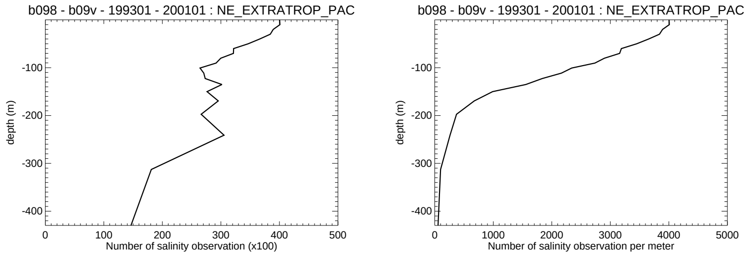
(a) Salinity mean (b) Salinity std dev

FIG. 37 – Salinity mean and standard deviation in NE_EXTRATROP_PAC (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



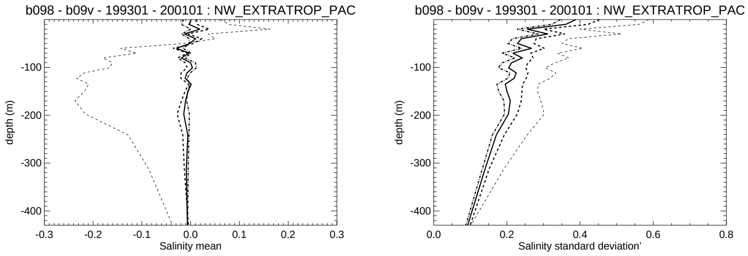
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 38 – Absolute and relative error growth in NE_EXTRATROP_PAC



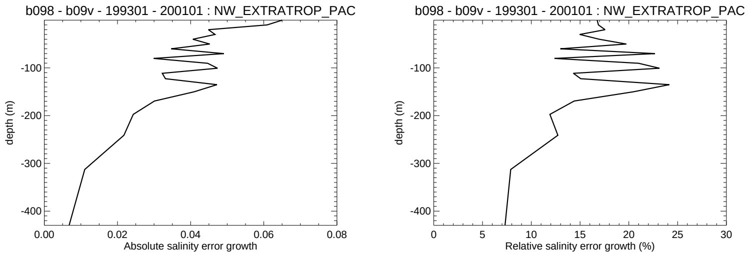
(a) Number of salinity observations (b) Density of salinity observations

FIG. 39 – Number and density of salinity observations in NE_EXTRATROP_PAC



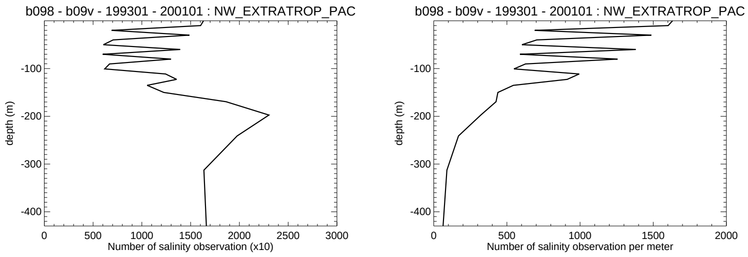
(a) Salinity mean (b) Salinity std dev

FIG. 40 – Salinity mean and standard deviation in NW_EXTRATROP_PAC (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



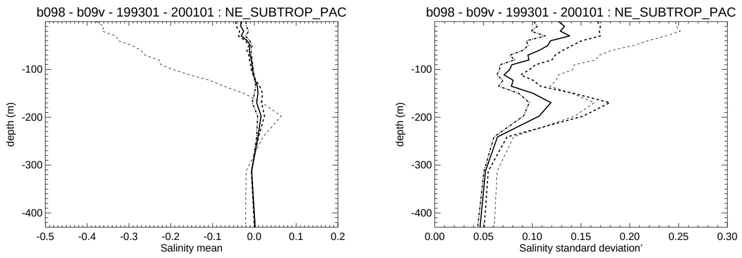
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 41 – Absolute and relative error growth in NW_EXTRATROP_PAC



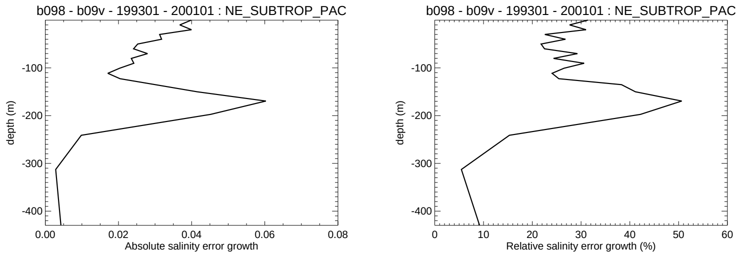
(a) Number of salinity observations (b) Density of salinity observations

FIG. 42 – Number and density of salinity observations in NW_EXTRATROP_PAC



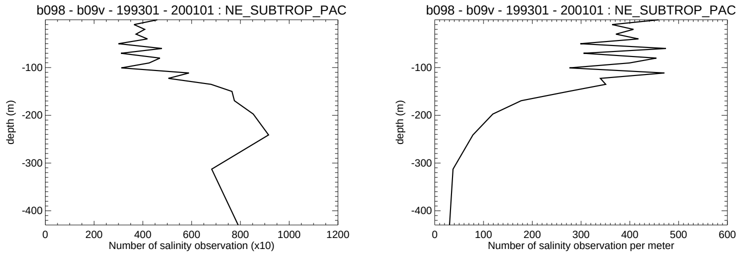
(a) Salinity mean (b) Salinity std dev

Fig. 43 – Salinity mean and standard deviation in NE_SUBTROP_PAC (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



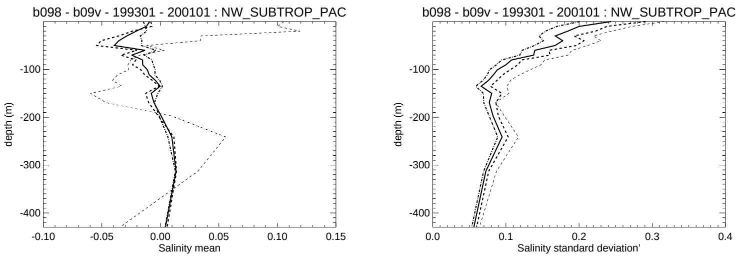
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 44 – Absolute and relative error growth in NE_SUBTROP_PAC



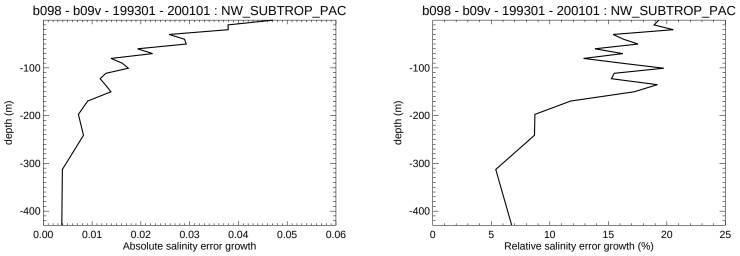
(a) Number of salinity observations (b) Density of salinity observations

Fig. 45 – Number and density of salinity observations in NE_SUBTROP_PAC



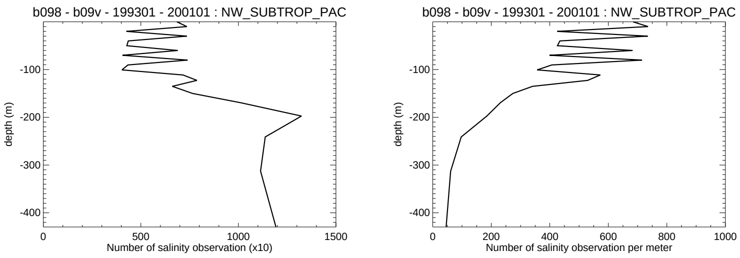
(a) Salinity mean (b) Salinity std dev

Fig. 46 – Salinity mean and standard deviation in NW_SUBTROP_PAC (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



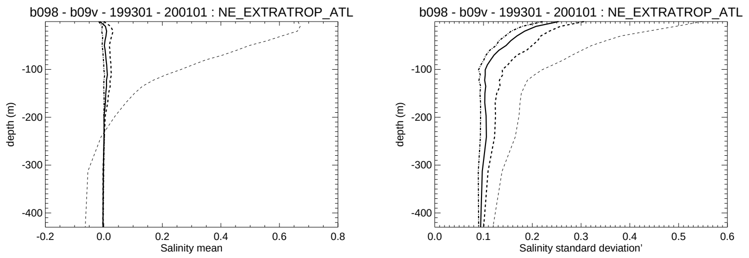
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 47 – Absolute and relative error growth in NW_SUBTROP_PAC



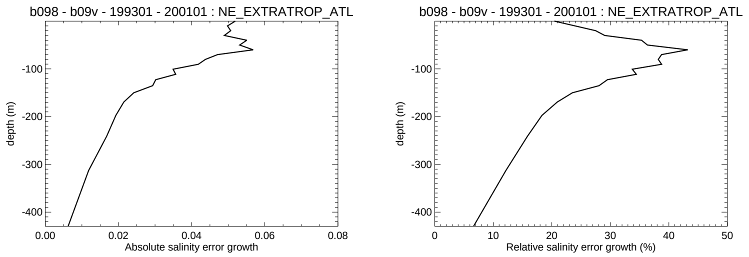
(a) Number of salinity observations (b) Density of salinity observations

Fig. 48 – Number and density of salinity observations in NW_SUBTROP_PAC



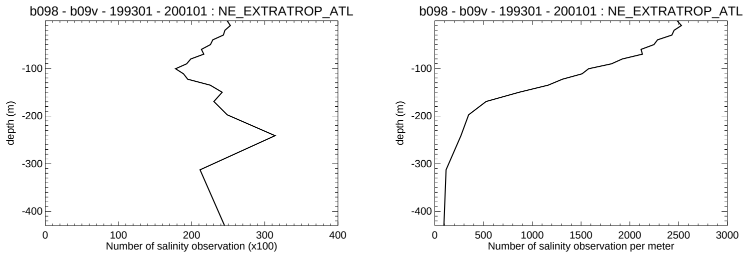
(a) Salinity mean (b) Salinity std dev

FIG. 49 – Salinity mean and standard deviation in NE_EXTRATROP_ATL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



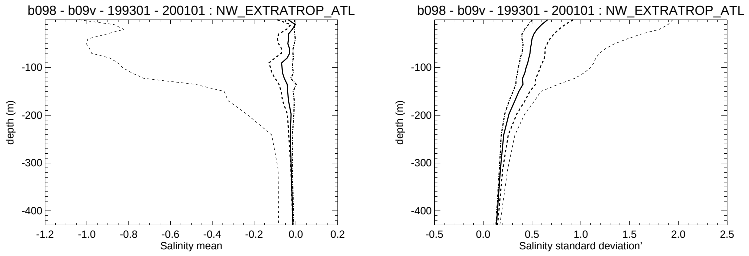
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 50 – Absolute and relative error growth in NE_EXTRATROP_ATL



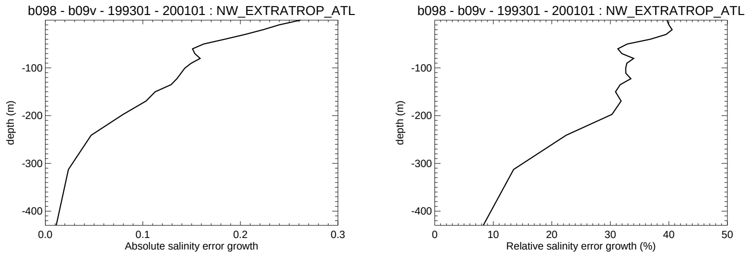
(a) Number of salinity observations (b) Density of salinity observations

FIG. 51 – Number and density of salinity observations in NE_EXTRATROP_ATL



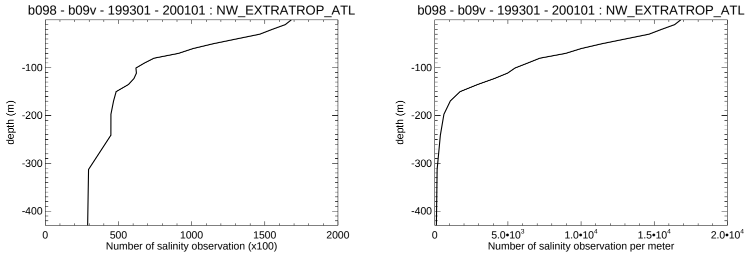
(a) Salinity mean (b) Salinity std dev

Fig. 52 – Salinity mean and standard deviation in NW_EXTRATROP_ATL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



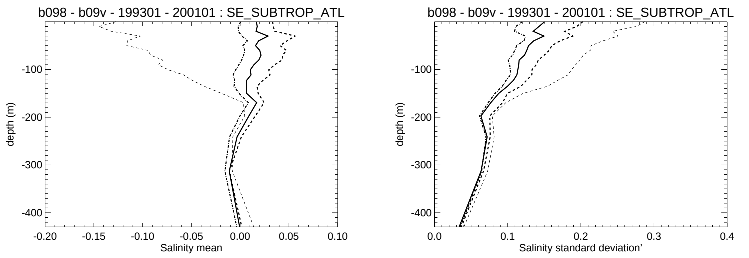
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 53 – Absolute and relative error growth in NW_EXTRATROP_ATL



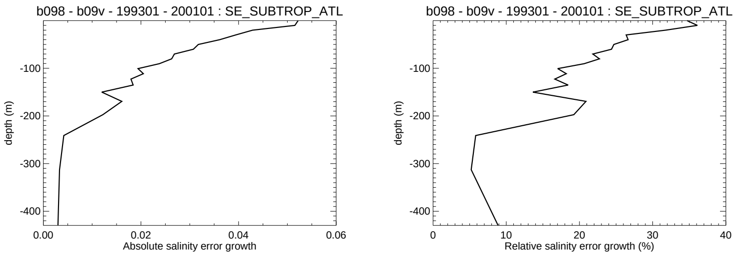
(a) Number of salinity observations (b) Density of salinity observations

Fig. 54 – Number and density of salinity observations in NW_EXTRATROP_ATL



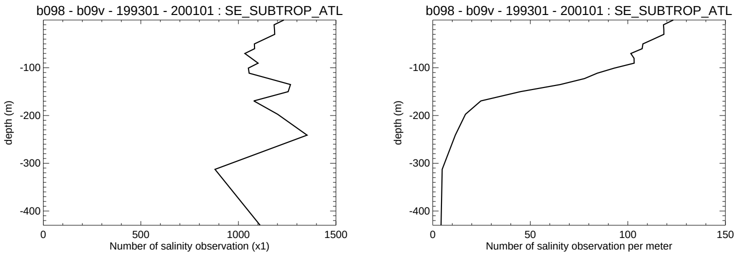
(a) Salinity mean (b) Salinity std dev

Fig. 55 – Salinity mean and standard deviation in SE_SUBTROP_ATL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



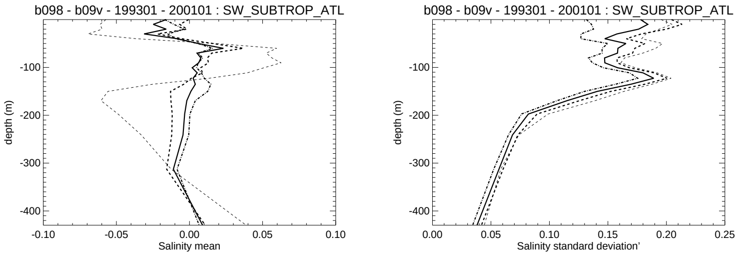
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 56 – Absolute and relative error growth in SE_SUBTROP_ATL



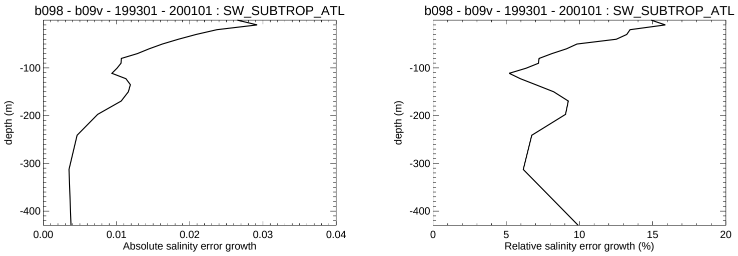
(a) Number of salinity observations (b) Density of salinity observations

FIG. 57 – Number and density of salinity observations in SE_SUBTROP_ATL



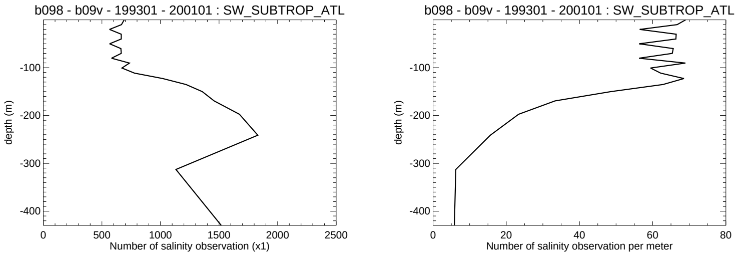
(a) Salinity mean (b) Salinity std dev

Fig. 58 – Salinity mean and standard deviation in SW_SUBTROP_ATL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



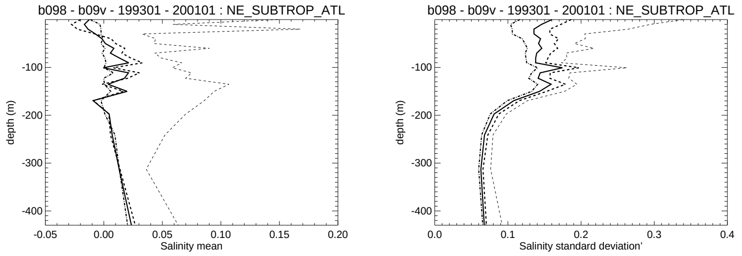
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 59 – Absolute and relative error growth in SW_SUBTROP_ATL



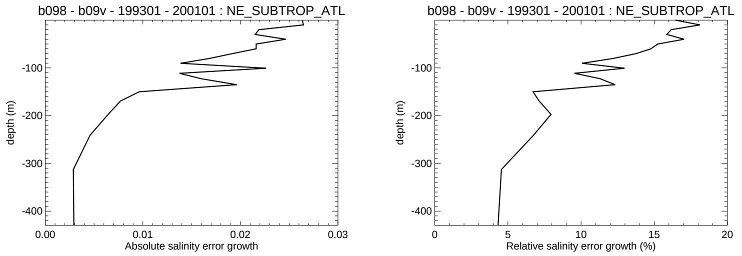
(a) Number of salinity observations (b) Density of salinity observations

Fig. 60 – Number and density of salinity observations in SW_SUBTROP_ATL



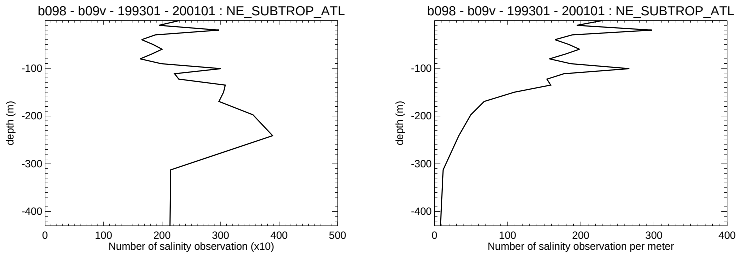
(a) Salinity mean (b) Salinity std dev

Fig. 61 – Salinity mean and standard deviation in NE_SUBTROP_ATL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



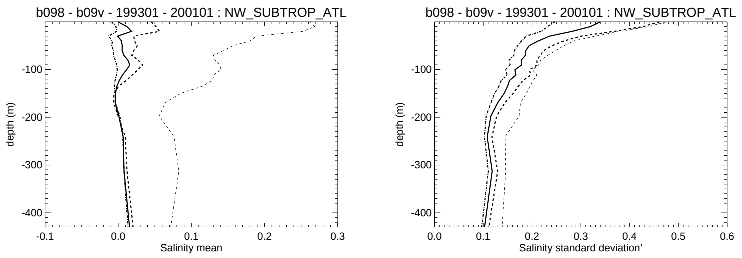
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 62 – Absolute and relative error growth in NE_SUBTROP_ATL



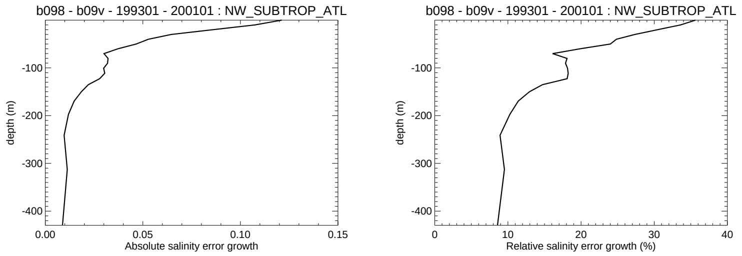
(a) Number of salinity observations (b) Density of salinity observations

Fig. 63 – Number and density of salinity observations in NE_SUBTROP_ATL



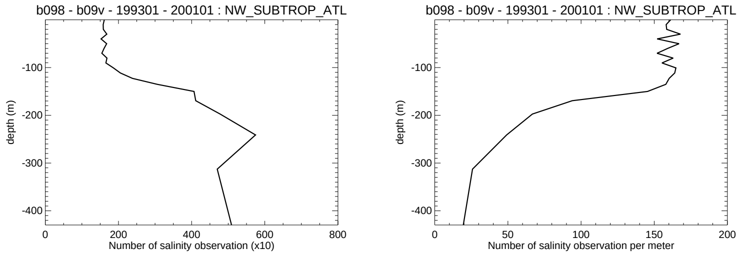
(a) Salinity mean (b) Salinity std dev

Fig. 64 – Salinity mean and standard deviation in NW_SUBTROP_ATL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



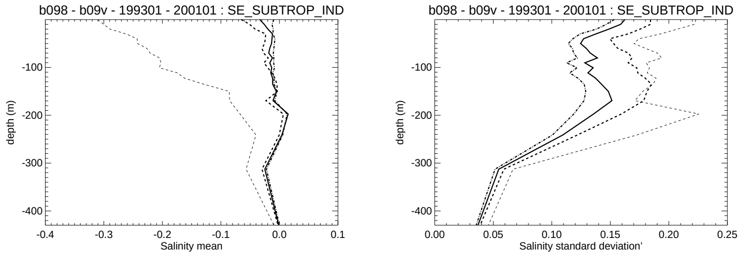
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 65 – Absolute and relative error growth in NW_SUBTROP_ATL



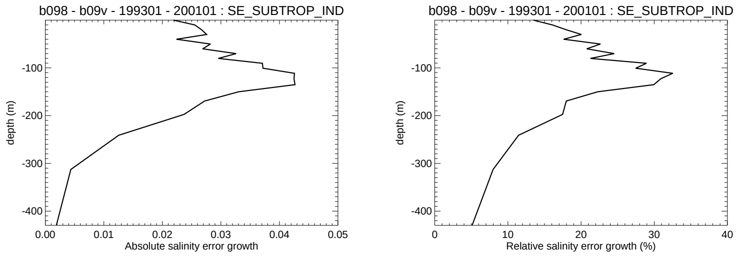
(a) Number of salinity observations (b) Density of salinity observations

Fig. 66 – Number and density of salinity observations in NW_SUBTROP_ATL



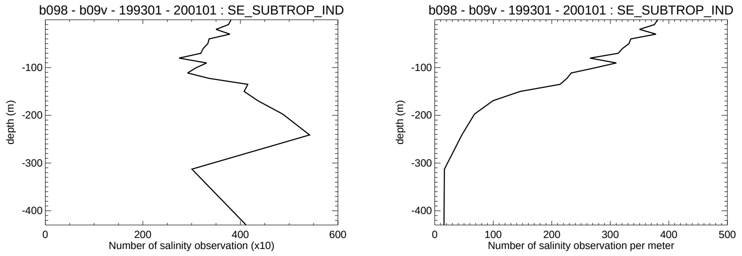
(a) Salinity mean (b) Salinity std dev

FIG. 67 – Salinity mean and standard deviation in SE_SUBTROP_IND (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



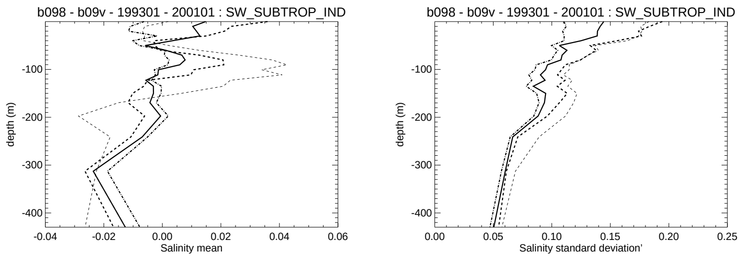
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 68 – Absolute and relative error growth in SE_SUBTROP_IND



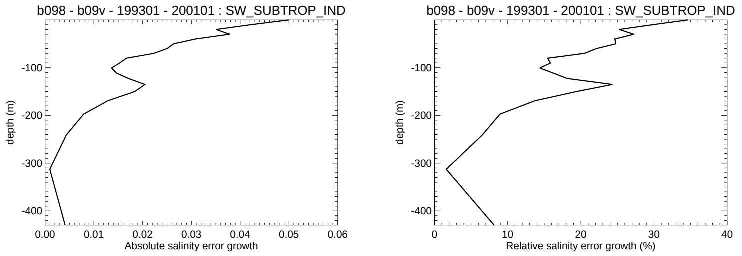
(a) Number of salinity observations (b) Density of salinity observations

FIG. 69 – Number and density of salinity observations in SE_SUBTROP_IND



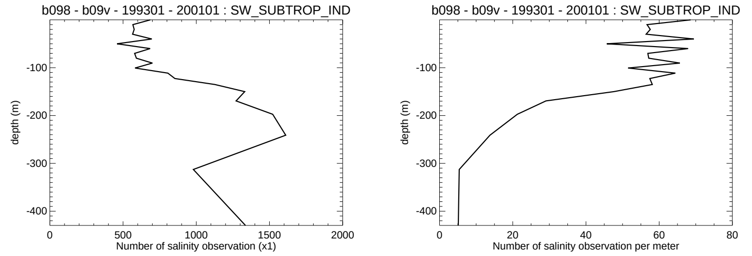
(a) Salinity mean (b) Salinity std dev

Fig. 70 – Salinity mean and standard deviation in SW_SUBTROP_IND (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



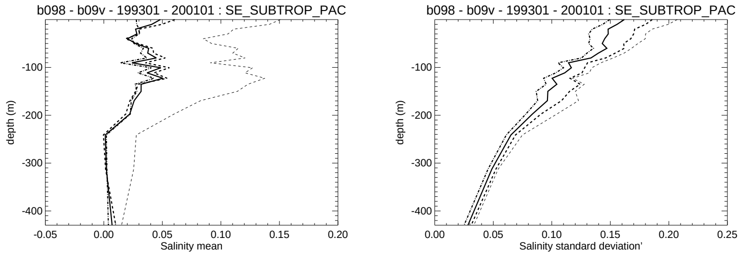
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 71 – Absolute and relative error growth in SW_SUBTROP_IND



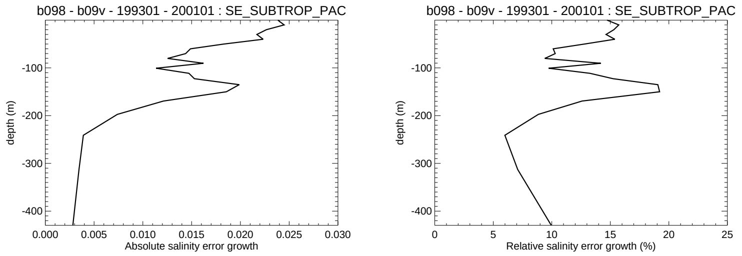
(a) Number of salinity observations (b) Density of salinity observations

Fig. 72 – Number and density of salinity observations in SW_SUBTROP_IND



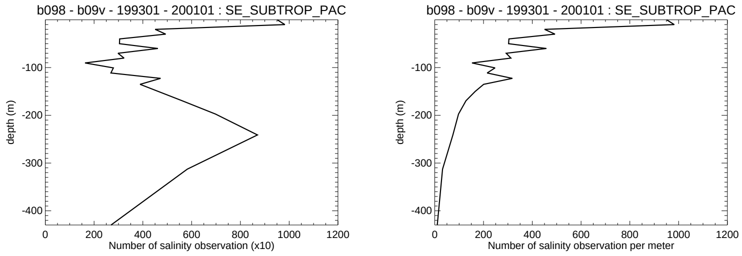
(a) Salinity mean (b) Salinity std dev

Fig. 73 – Salinity mean and standard deviation in SE_SUBTROP_PAC (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



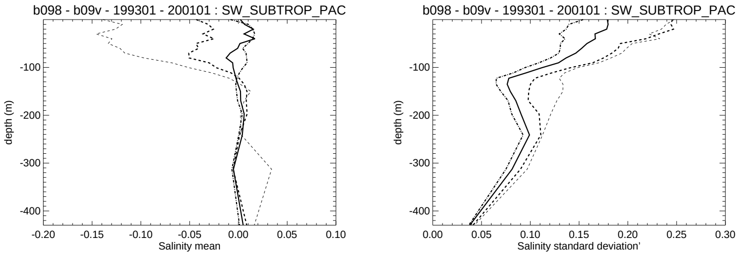
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 74 – Absolute and relative error growth in SE_SUBTROP_PAC



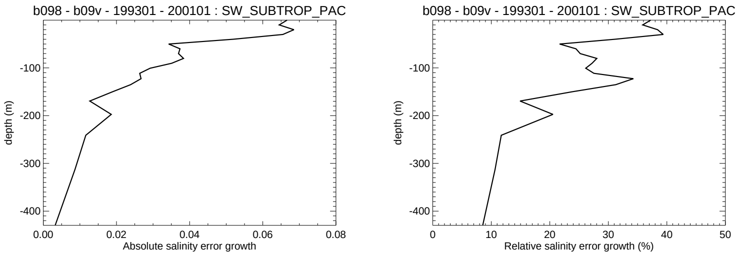
(a) Number of salinity observations (b) Density of salinity observations

Fig. 75 – Number and density of salinity observations in SE_SUBTROP_PAC



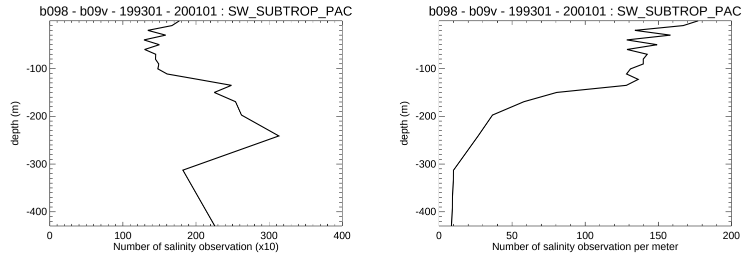
(a) Salinity mean (b) Salinity std dev

FIG. 76 – Salinity mean and standard deviation in SW_SUBTROP_PAC (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



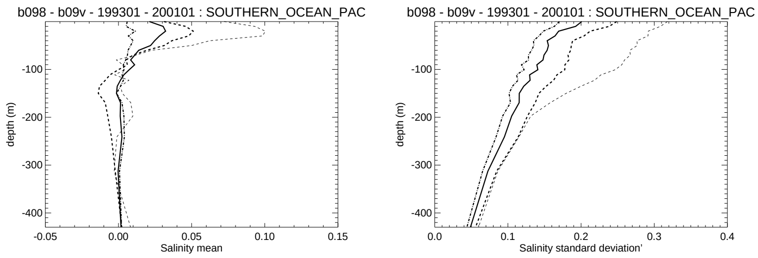
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 77 – Absolute and relative error growth in SW_SUBTROP_PAC



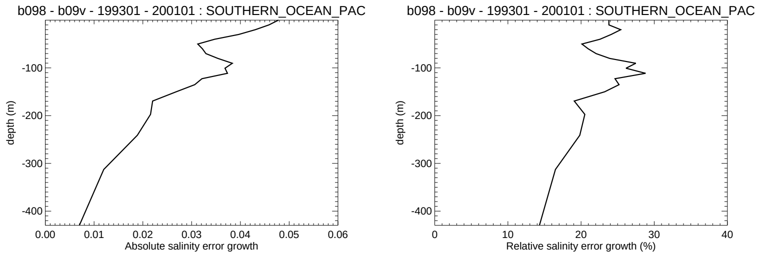
(a) Number of salinity observations (b) Density of salinity observations

FIG. 78 – Number and density of salinity observations in SW_SUBTROP_PAC



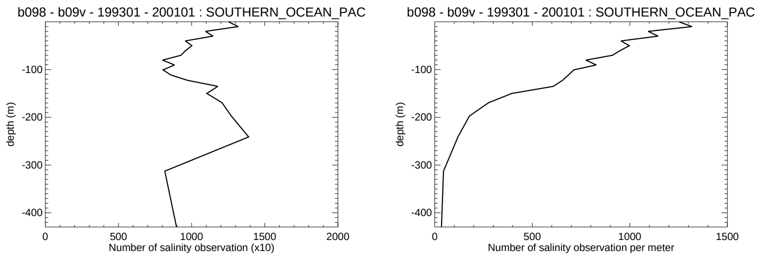
(a) Salinity mean (b) Salinity std dev

Fig. 79 – Salinity mean and standard deviation in SOUTHERN_OCEAN_PAC (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



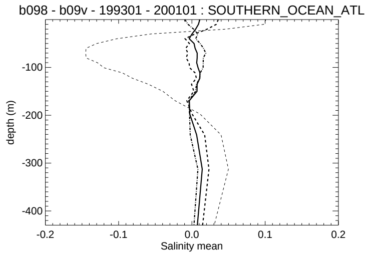
(a) Absolute salinity error growth (b) Relative salinity error growth (%)

Fig. 80 – Absolute and relative error growth in SOUTHERN_OCEAN_PAC

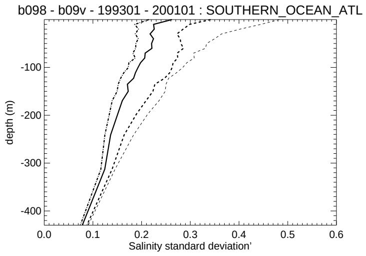


(a) Number of salinity observations (b) Density of salinity observations

Fig. 81 – Number and density of salinity observations in SOUTHERN_OCEAN_PAC

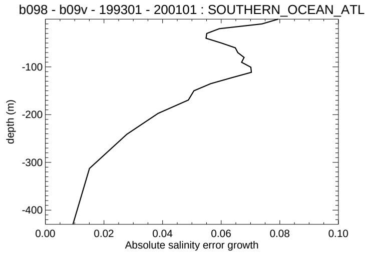


(a) Salinity mean

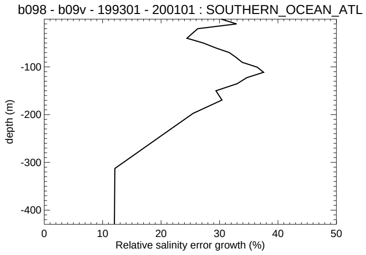


(b) Salinity std dev

Fig. 82 – Salinity mean and standard deviation in SOUTHERN_OCEAN_ATL (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)

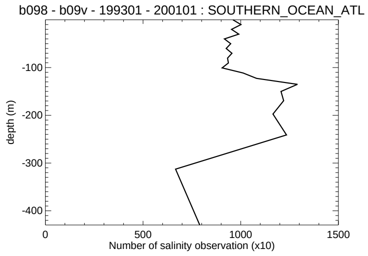


(a) Absolute salinity error growth

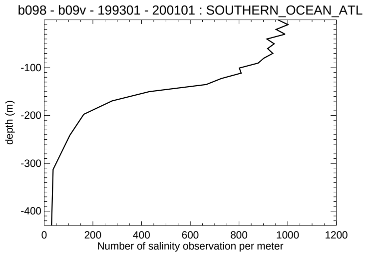


(b) Relative salinity error growth (%)

Fig. 83 – Absolute and relative error growth in SOUTHERN_OCEAN_ATL

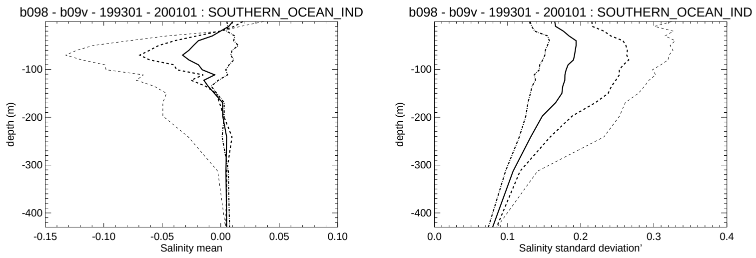


(a) Number of salinity observations



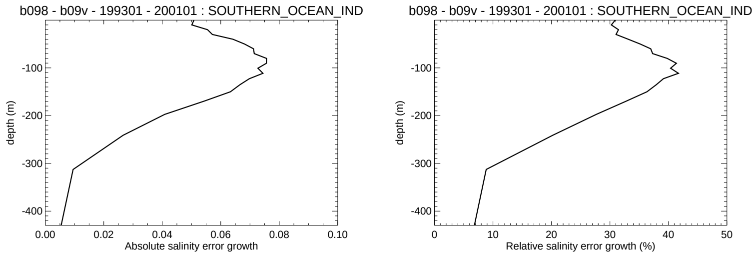
(b) Density of salinity observations

Fig. 84 – Number and density of salinity observations in SOUTHERN_OCEAN_ATL



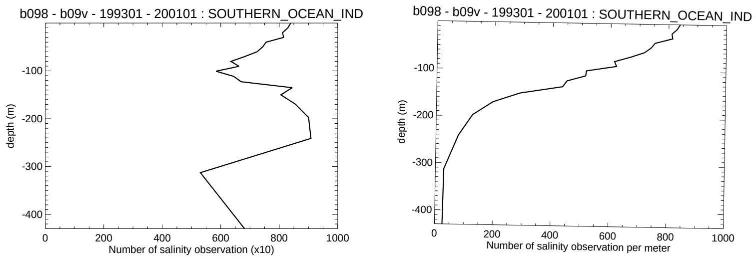
(a) Salinity mean (b) Salinity std dev

FIG. 85 – Salinity mean and standard deviation in SOUTHERN_OCEAN_IND (thin : control b098 ; bold : assim b09v ; dashed : OmB ; solid : OmA ; dashed_dotted : OmA_inc)



(a) Absolute salinity error growth (b) Relative salinity error growth (%)

FIG. 86 – Absolute and relative error growth in SOUTHERN_OCEAN_IND



(a) Number of salinity observations (b) Density of salinity observations

FIG. 87 – Number and density of salinity observations in SOUTHERN_OCEAN_IND