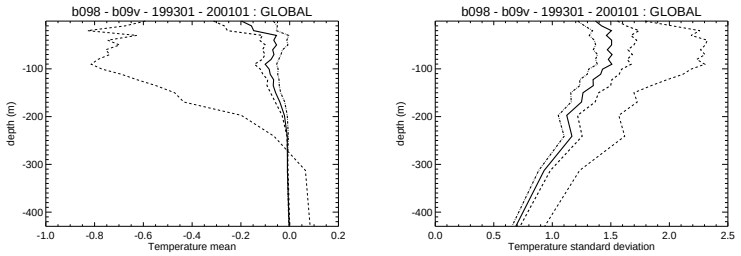
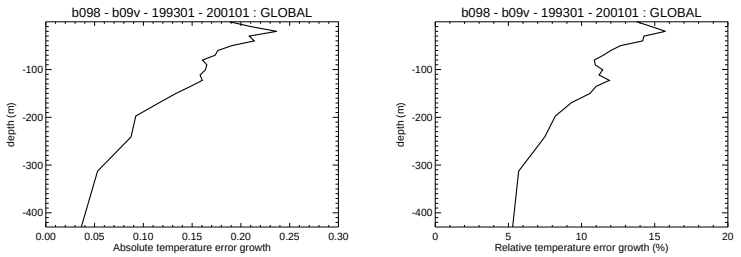


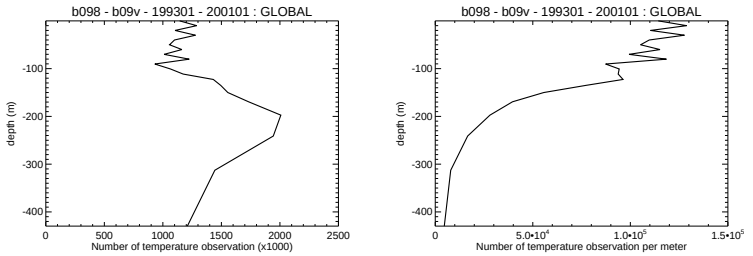
(a) Temperature mean (b) Temperature std dev

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



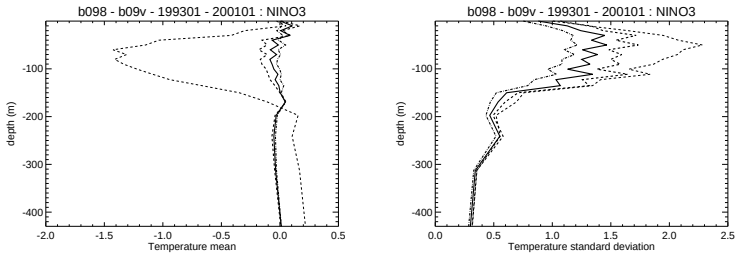
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 2 – Absolute and relative error growth in GLOBAL



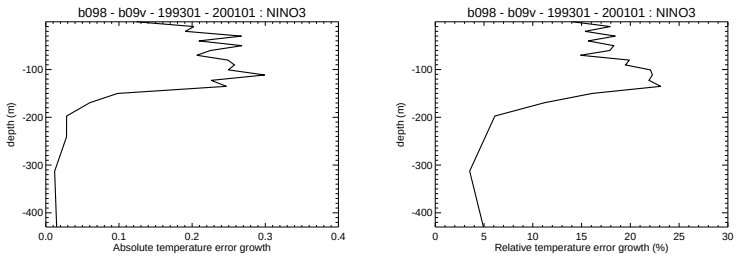
(a) Number of temperature observations (b) Density of temperature observations

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



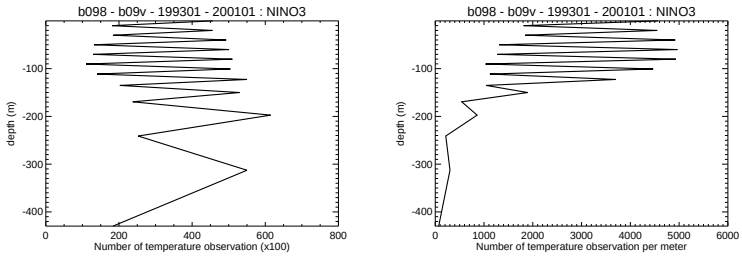
(a) Temperature mean (b) Temperature std dev

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



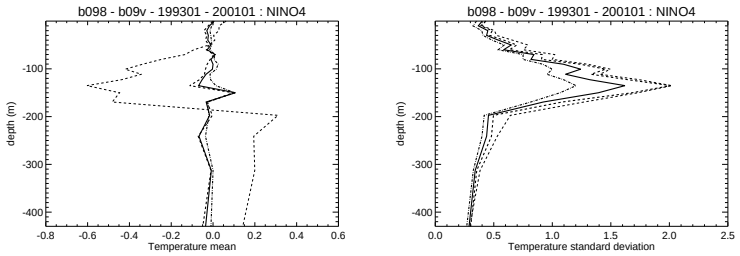
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 5 – Absolute and relative error growth in NINO3



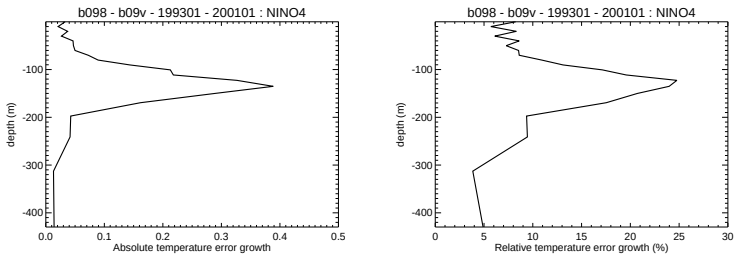
(a) Number of temperature observations (b) Density of temperature observations

FIG. 6 – Number and density of temperature observations in NINO3



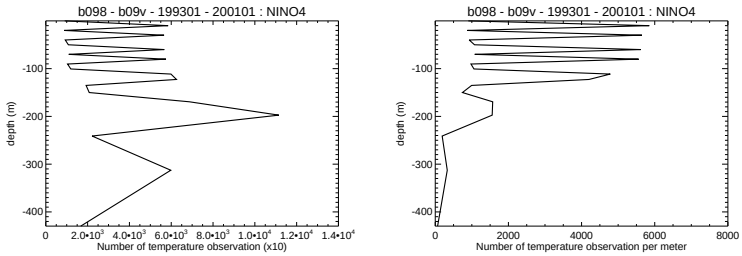
(a) Temperature mean (b) Temperature std dev

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



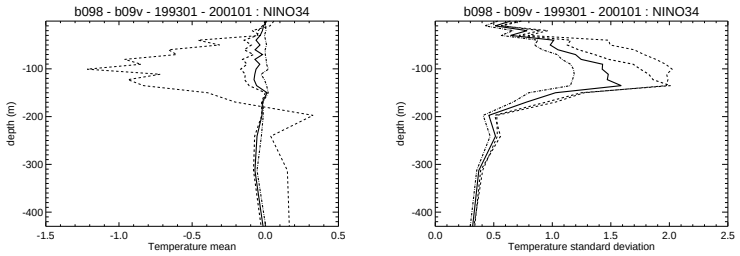
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 8 – Absolute and relative error growth in NINO4



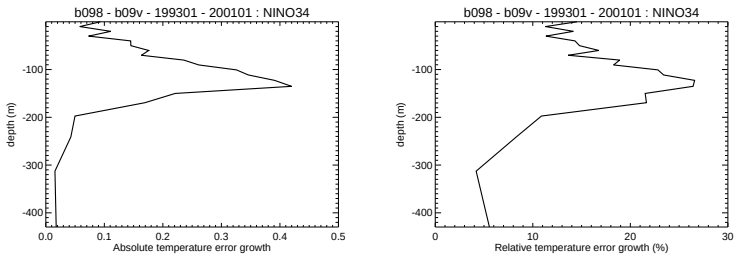
(a) Number of temperature observations (b) Density of temperature observations

FIG. 9 – Number and density of temperature observations in NINO4



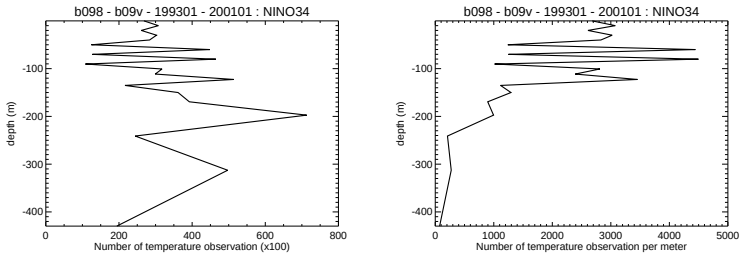
(a) Temperature mean (b) Temperature std dev

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



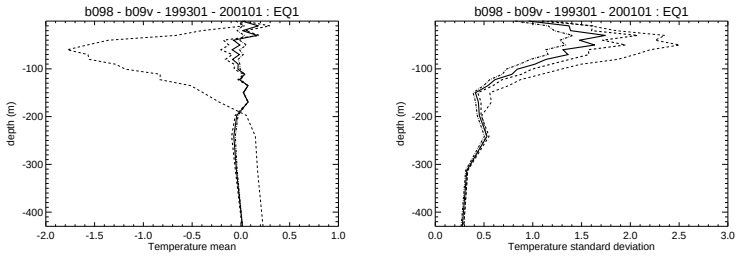
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 11 – Absolute and relative error growth in NINO34



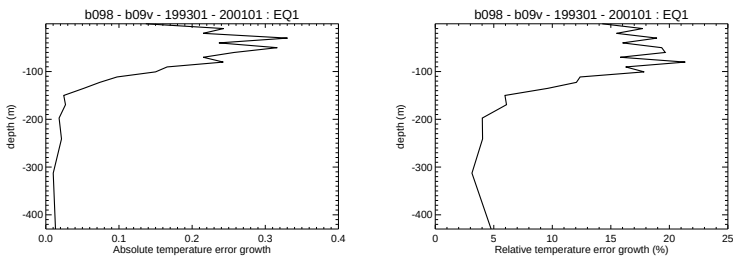
(a) Number of temperature observations (b) Density of temperature observations

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



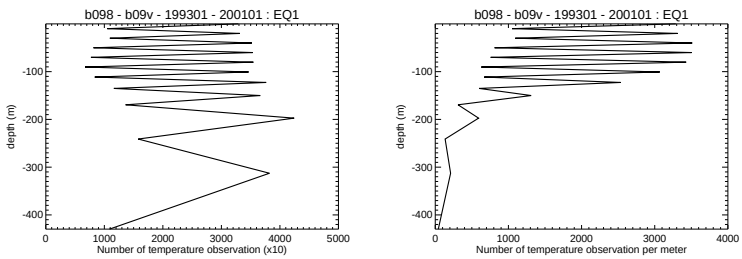
(a) Temperature mean (b) Temperature std dev

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



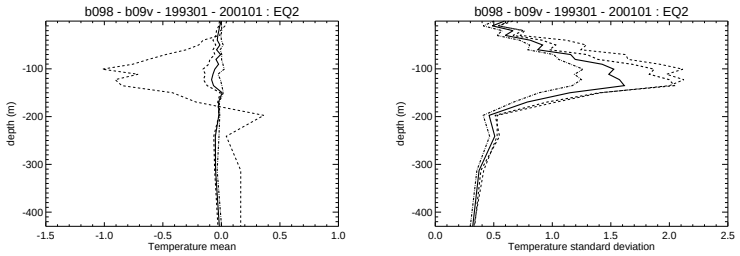
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 14 – Absolute and relative error growth in EQ1



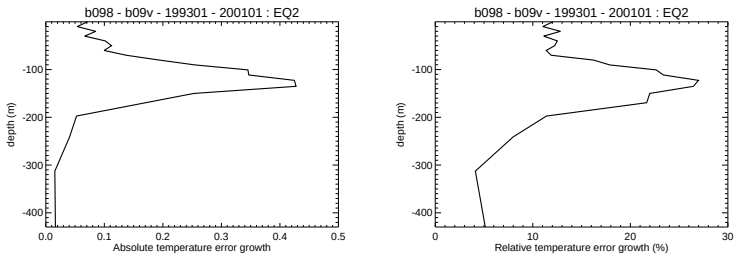
(a) Number of temperature observations (b) Density of temperature observations

FIG. 15 – Number and density of temperature observations in EQ1



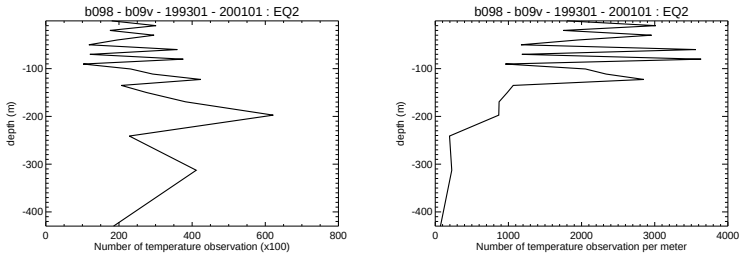
(a) Temperature mean (b) Temperature std dev

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



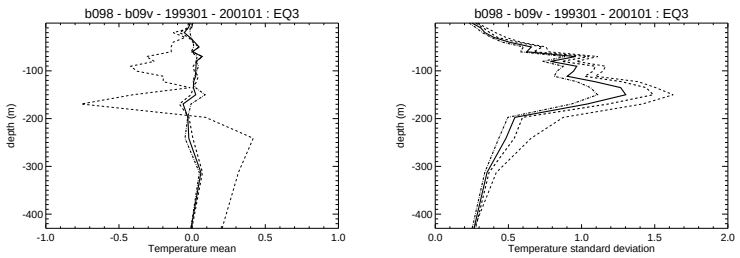
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 17 – Absolute and relative error growth in EQ2



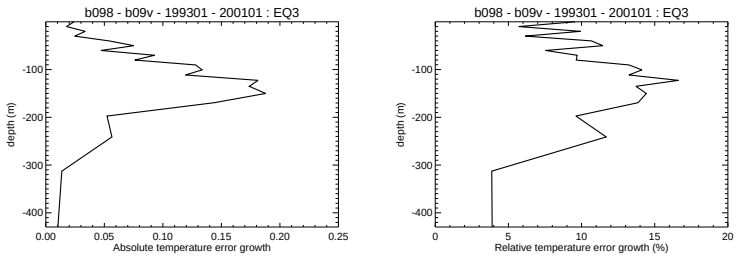
(a) Number of temperature observations (b) Density of temperature observations

FIG. 18 – Number and density of temperature observations in EQ2



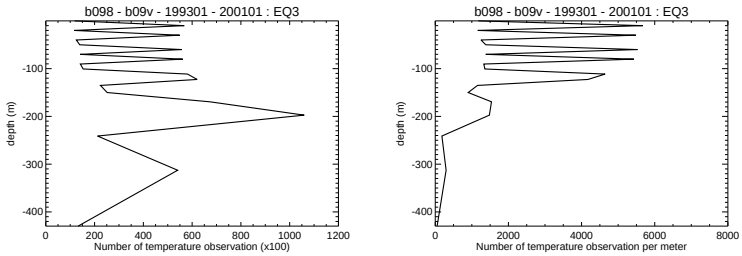
(a) Temperature mean (b) Temperature std dev

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



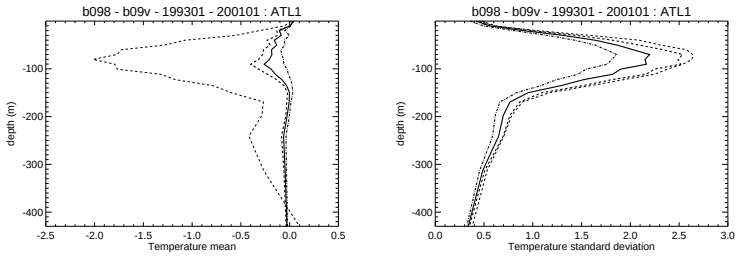
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 20 – Absolute and relative error growth in EQ3



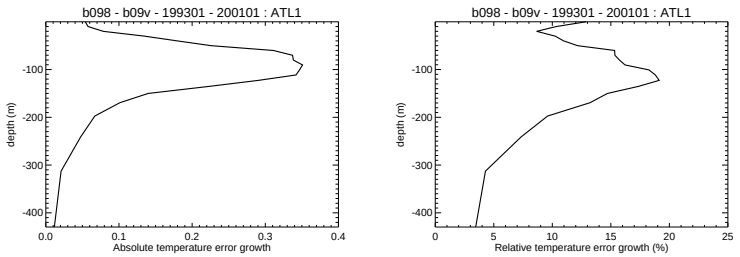
(a) Number of temperature observations (b) Density of temperature observations

FIG. 21 – Number and density of temperature observations in EQ3



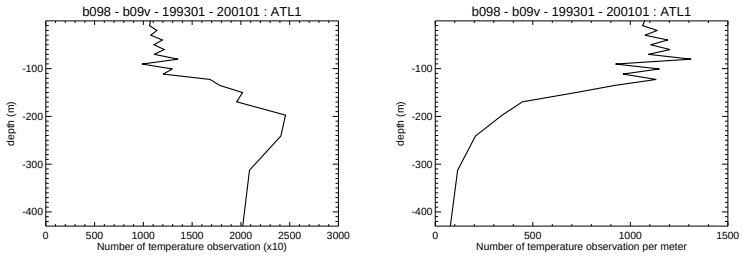
(a) Temperature mean (b) Temperature std dev

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



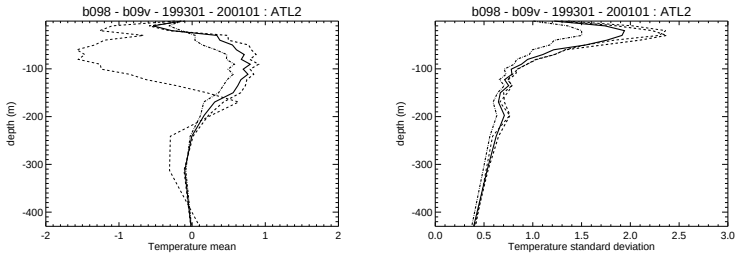
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 23 – Absolute and relative error growth in ATL1



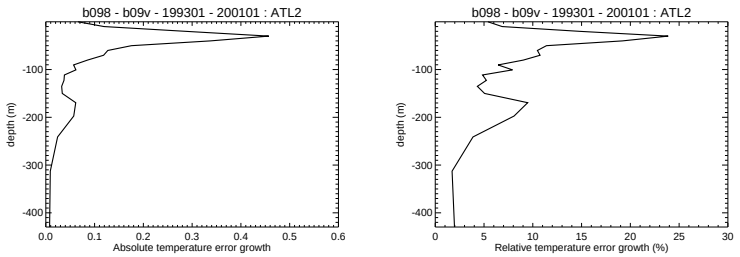
(a) Number of temperature observations (b) Density of temperature observations

FIG. 24 – Number and density of temperature observations in ATL1



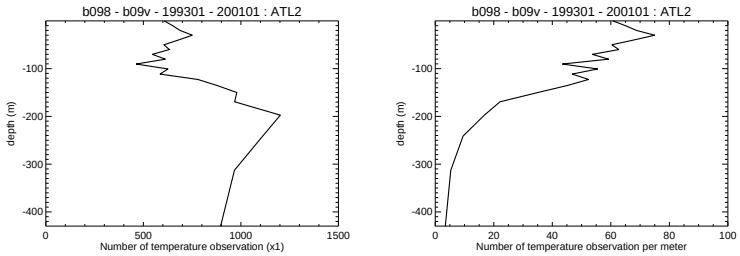
(a) Temperature mean (b) Temperature std dev

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



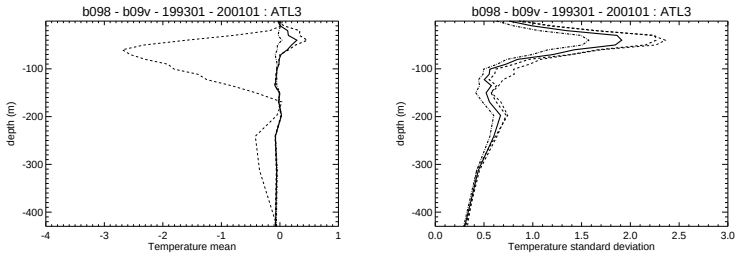
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 26 – Absolute and relative error growth in ATL2



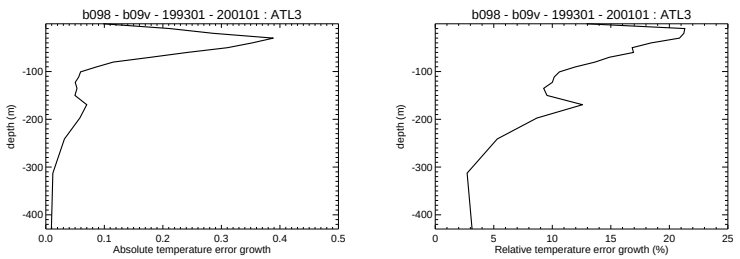
(a) Number of temperature observations (b) Density of temperature observations

FIG. 27 – Number and density of temperature observations in ATL2



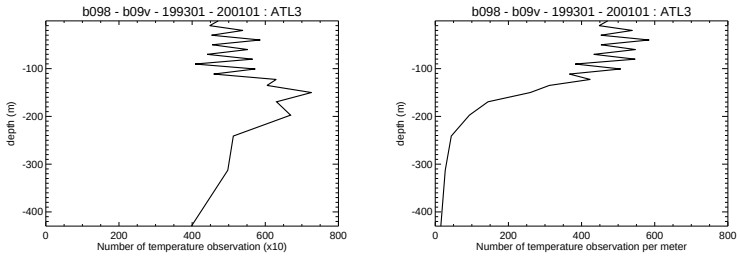
(a) Temperature mean (b) Temperature std dev

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



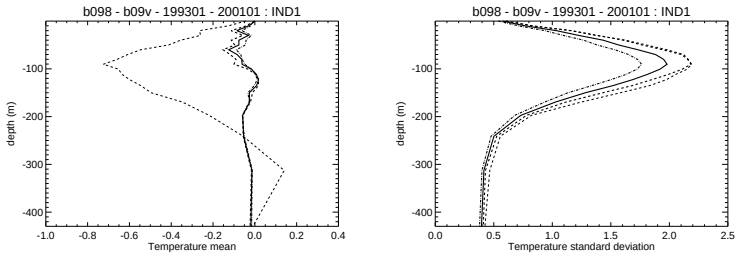
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 29 – Absolute and relative error growth in ATL3



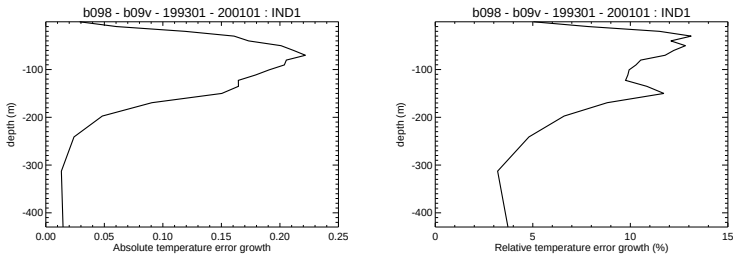
(a) Number of temperature observations (b) Density of temperature observations

FIG. 30 – Number and density of temperature observations in ATL3



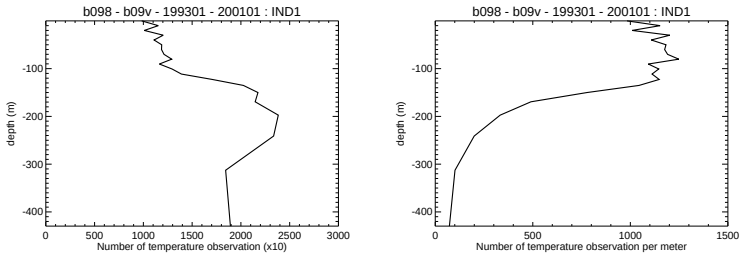
(a) Temperature mean (b) Temperature std dev

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



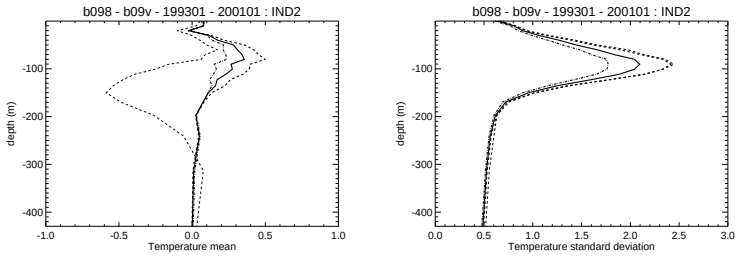
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 32 – Absolute and relative error growth in IND1



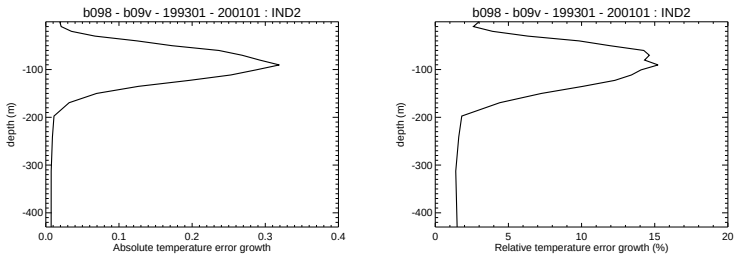
(a) Number of temperature observations (b) Density of temperature observations

FIG. 33 – Number and density of temperature observations in IND1



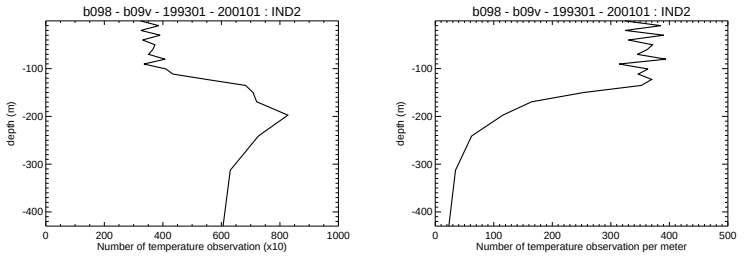
(a) Temperature mean (b) Temperature std dev

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



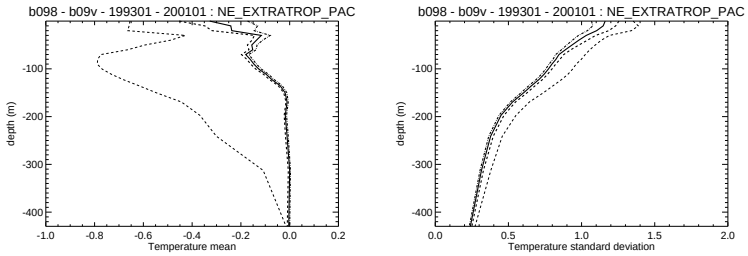
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 35 – Absolute and relative error growth in IND2



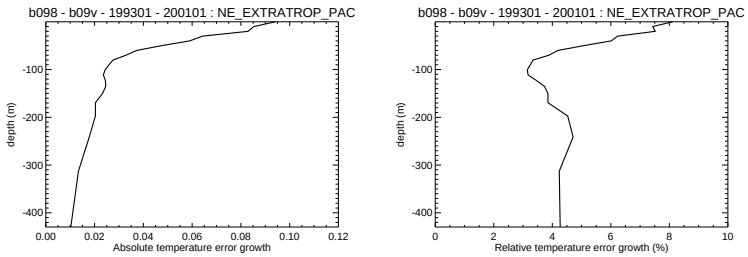
(a) Number of temperature observations (b) Density of temperature observations

FIG. 36 – Number and density of temperature observations in IND2



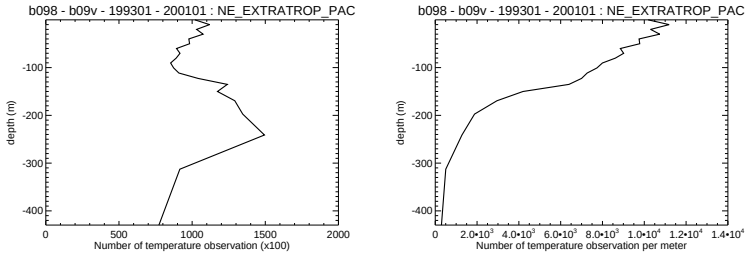
(a) Temperature mean (b) Temperature std dev

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



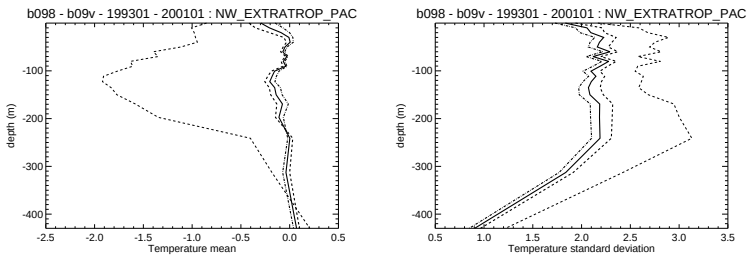
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 38 – Absolute and relative error growth in NE_EXTRATROP_PAC



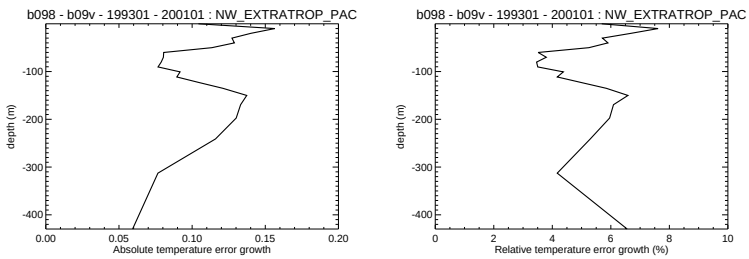
(a) Number of temperature observations (b) Density of temperature observations

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



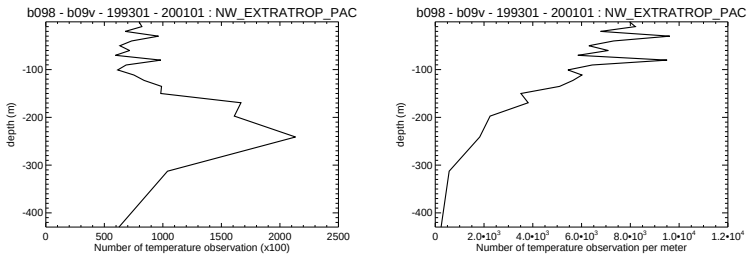
(a) Temperature mean (b) Temperature std dev

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



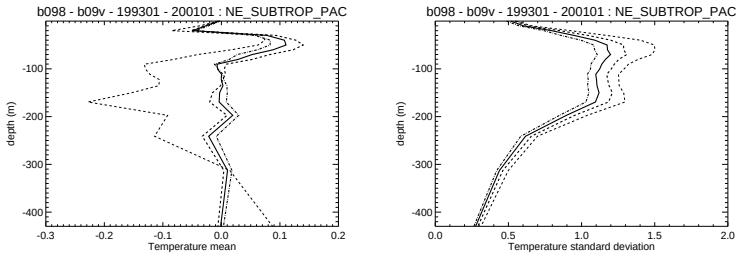
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 41 – Absolute and relative error growth in NW_EXTRATROP_PAC



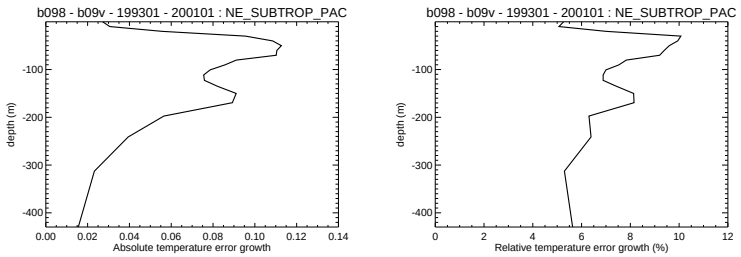
(a) Number of temperature observations (b) Density of temperature observations

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



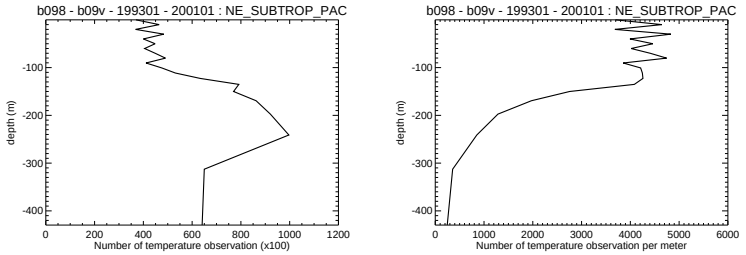
(a) Temperature mean (b) Temperature std dev

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



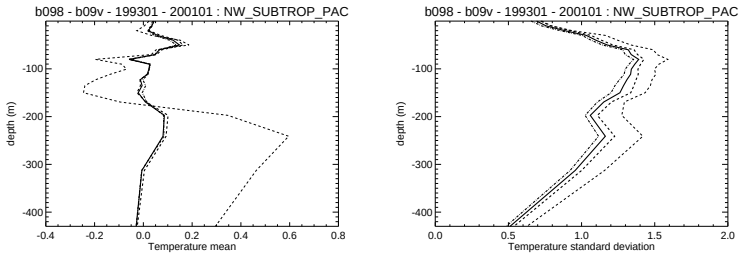
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 44 – Absolute and relative error growth in NE_SUBTROP_PAC



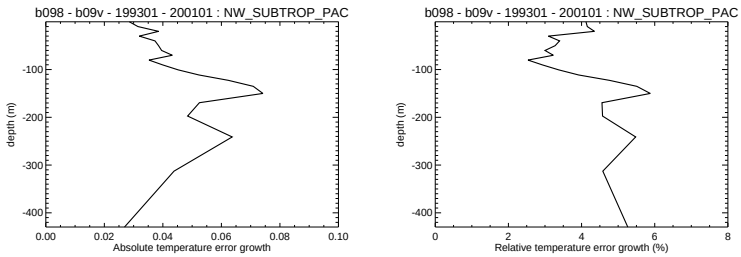
(a) Number of temperature observations (b) Density of temperature observations

FIG. 45 – Number and density of temperature observations in NE_SUBTROP_PAC



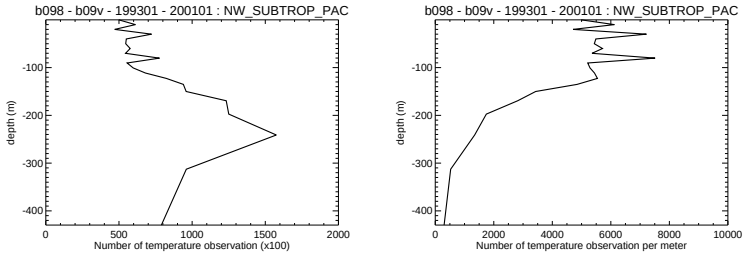
(a) Temperature mean (b) Temperature std dev

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



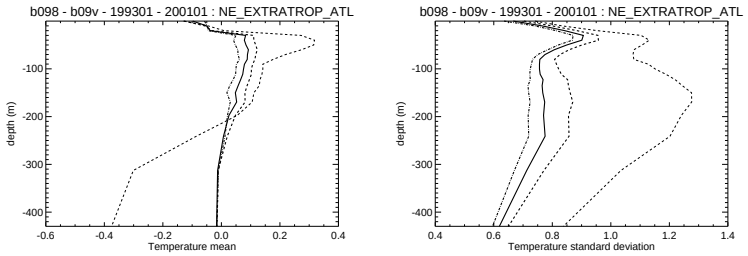
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 47 – Absolute and relative error growth in NW_SUBTROP_PAC



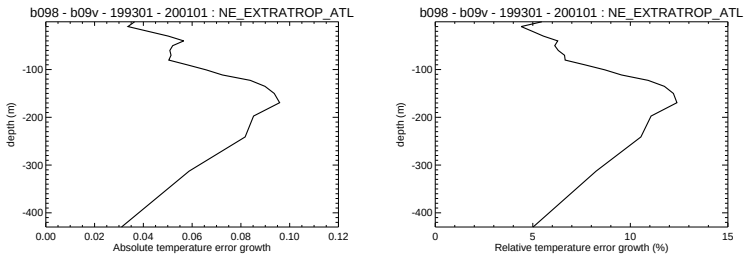
(a) Number of temperature observations (b) Density of temperature observations

FIG. 48 – Number and density of temperature observations in NW_SUBTROP_PAC



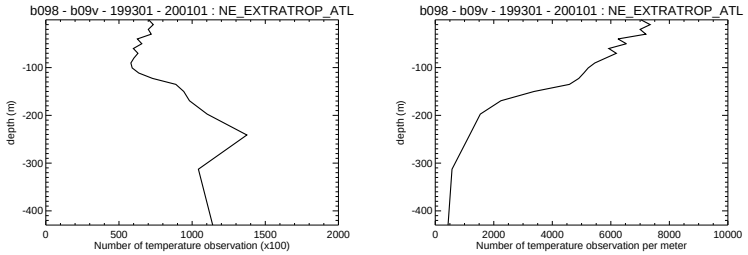
(a) Temperature mean (b) Temperature std dev

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



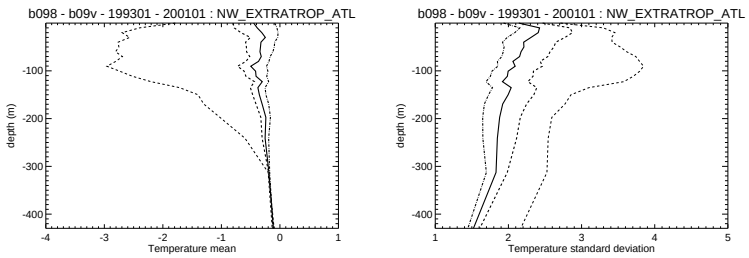
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 50 – Absolute and relative error growth in NE_EXTRATROP_ATL



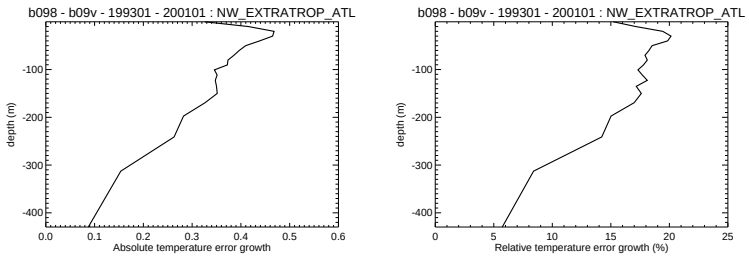
(a) Number of temperature observations (b) Density of temperature observations

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



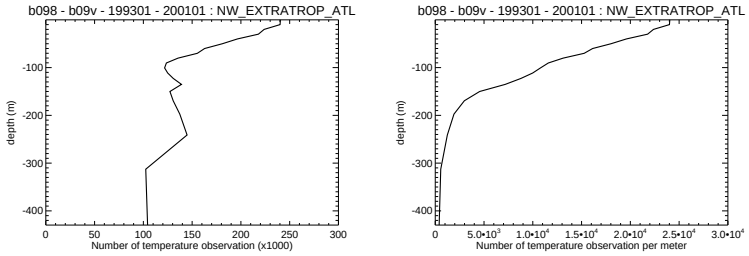
(a) Temperature mean (b) Temperature std dev

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



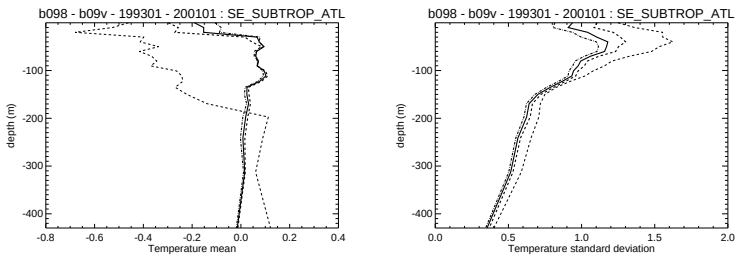
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 53 – Absolute and relative error growth in NW_EXTRATROP_ATL



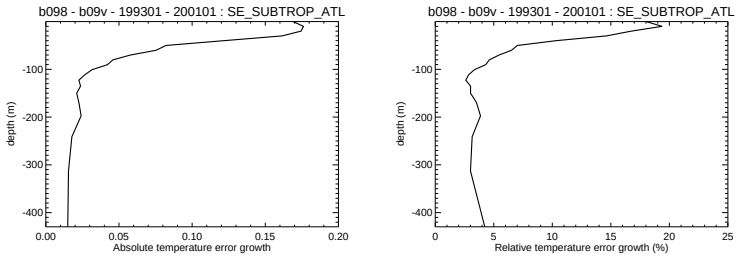
(a) Number of temperature observations (b) Density of temperature observations

FIG. 54 – Number and density of temperature observations in NW_EXTRATROP_ATL



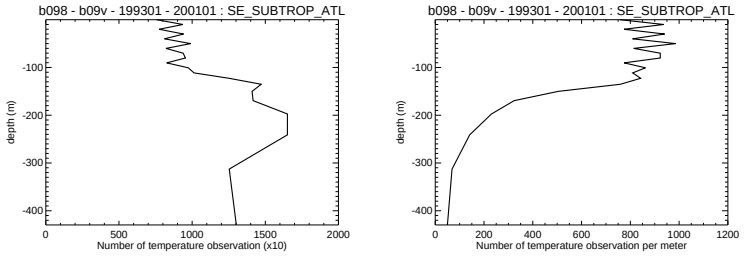
(a) Temperature mean (b) Temperature std dev

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



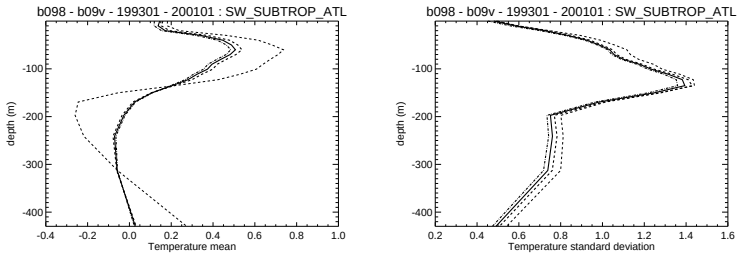
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 56 – Absolute and relative error growth in SE_SUBTROP_ATL



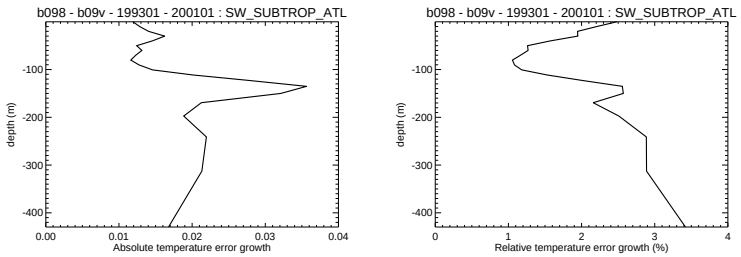
(a) Number of temperature observations (b) Density of temperature observations

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



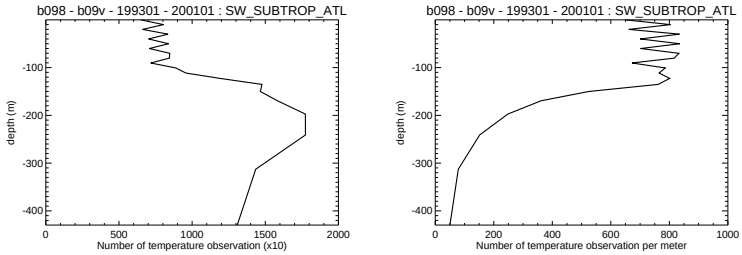
(a) Temperature mean (b) Temperature std dev

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



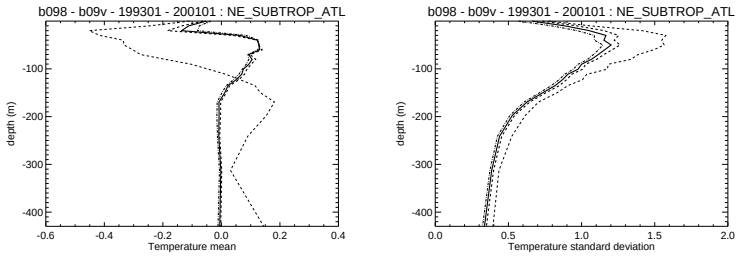
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 59 – Absolute and relative error growth in SW_SUBTROP_ATL



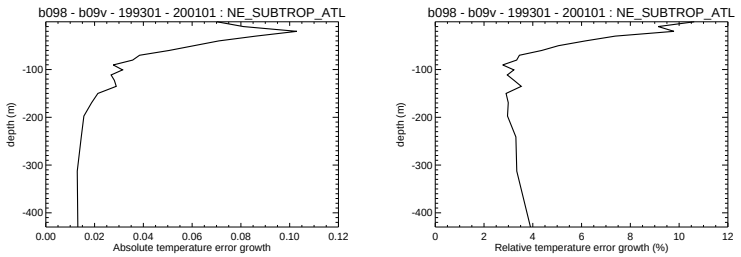
(a) Number of temperature observations (b) Density of temperature observations

FIG. 60 – Number and density of temperature observations in SW_SUBTROP_ATL



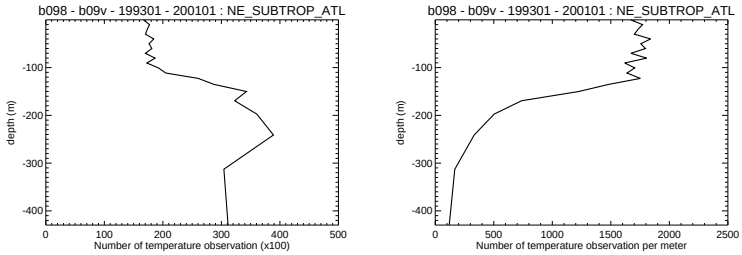
(a) Temperature mean (b) Temperature std dev

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



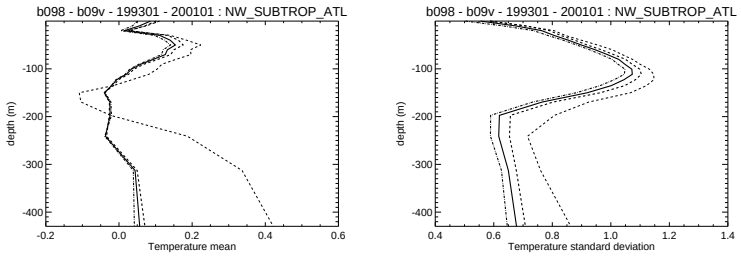
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 62 – Absolute and relative error growth in NE_SUBTROP_ATL



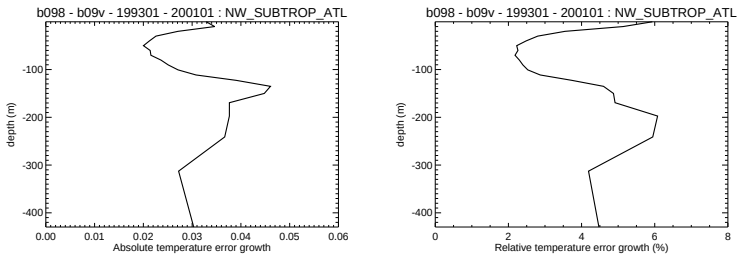
(a) Number of temperature observations (b) Density of temperature observations

FIG. 63 – Number and density of temperature observations in NE_SUBTROP_ATL



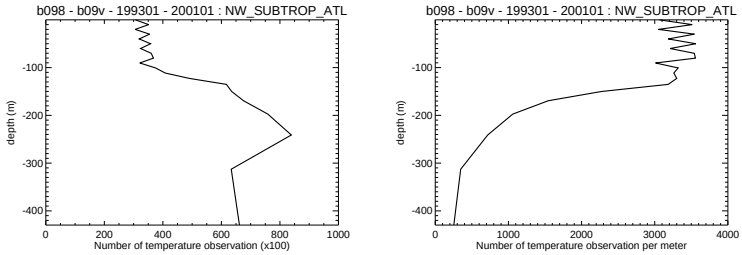
(a) Temperature mean (b) Temperature std dev

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



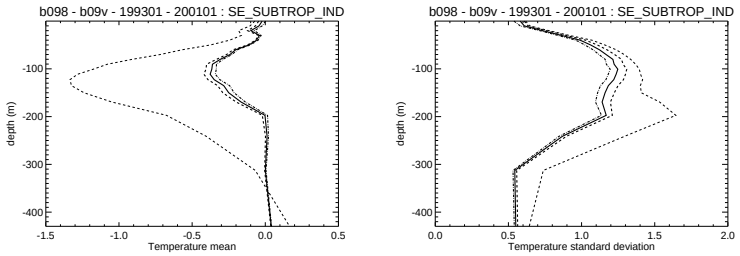
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 65 – Absolute and relative error growth in NW_SUBTROP_ATL



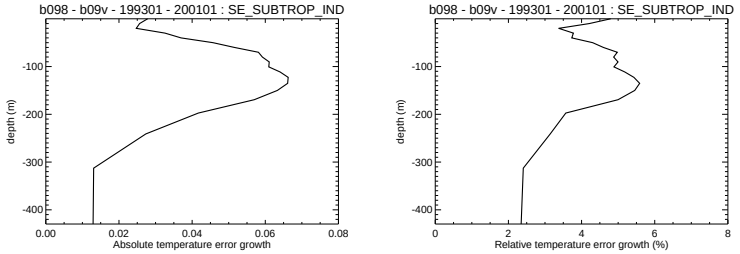
(a) Number of temperature observations (b) Density of temperature observations

FIG. 66 – Number and density of temperature observations in NW_SUBTROP_ATL



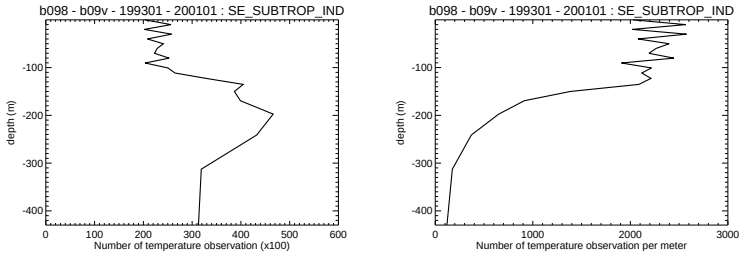
(a) Temperature mean (b) Temperature std dev

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



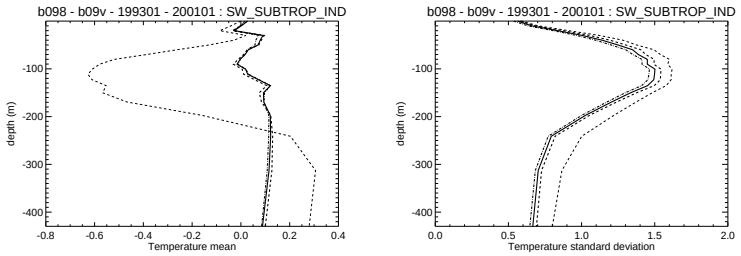
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 68 – Absolute and relative error growth in SE_SUBTROP_IND



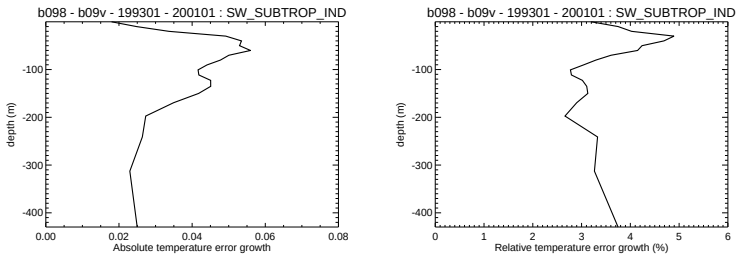
(a) Number of temperature observations (b) Density of temperature observations

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



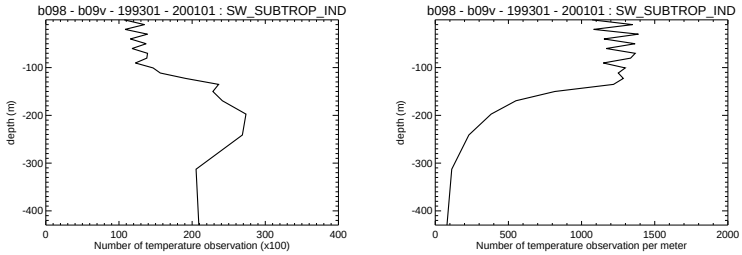
(a) Temperature mean (b) Temperature std dev

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



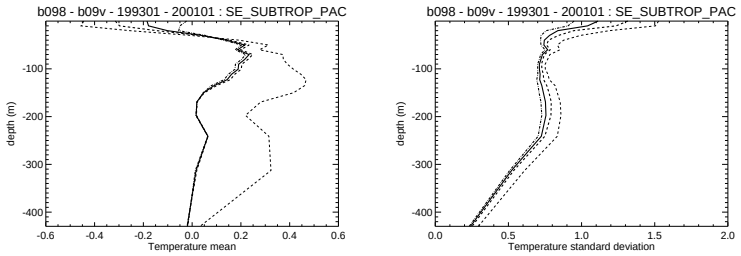
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 71 – Absolute and relative error growth in SW_SUBTROP_IND



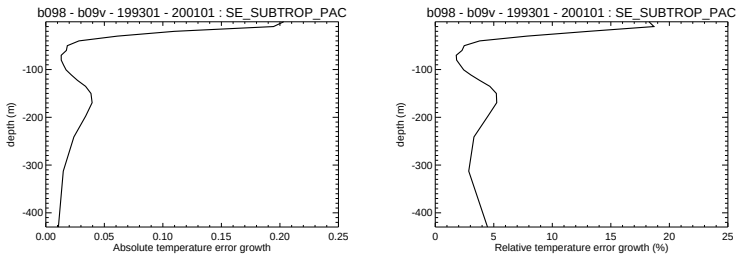
(a) Number of temperature observations (b) Density of temperature observations

FIG. 72 – Number and density of temperature observations in SW_SUBTROP_IND



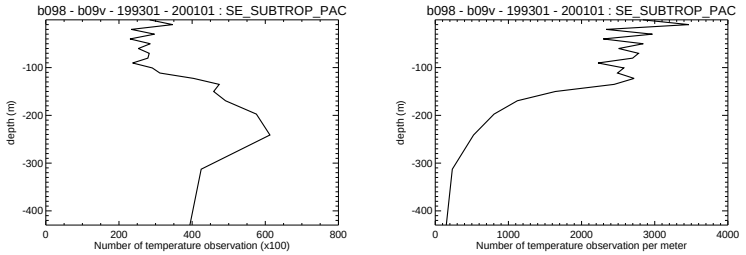
(a) Temperature mean (b) Temperature std dev

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



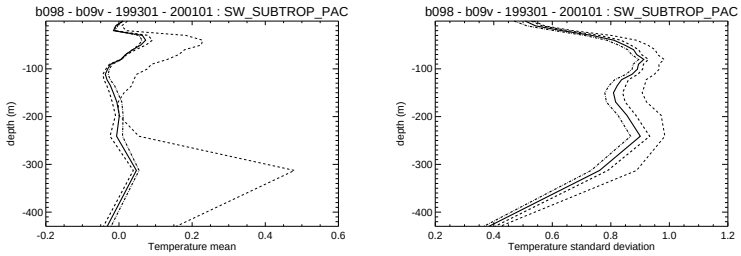
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 74 – Absolute and relative error growth in SE_SUBTROP_PAC



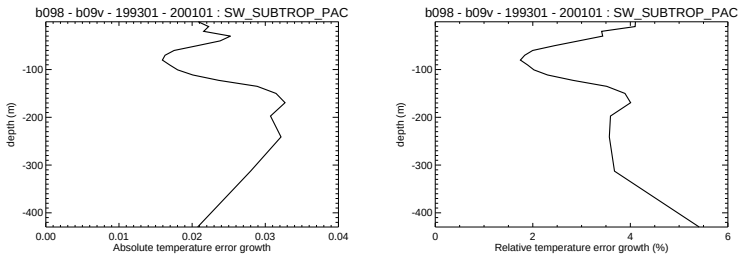
(a) Number of temperature observations (b) Density of temperature observations

FIG. 75 – Number and density of temperature observations in SE_SUBTROP_PAC



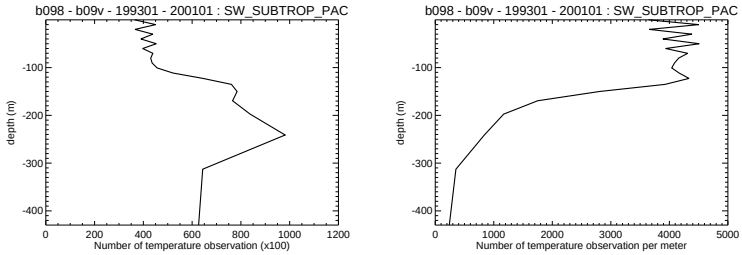
(a) Temperature mean (b) Temperature std dev

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



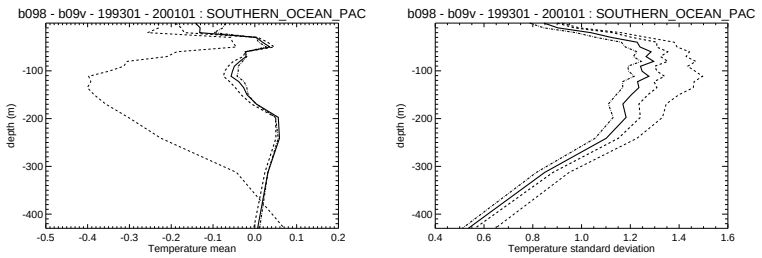
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 77 – Absolute and relative error growth in SW_SUBTROP_PAC



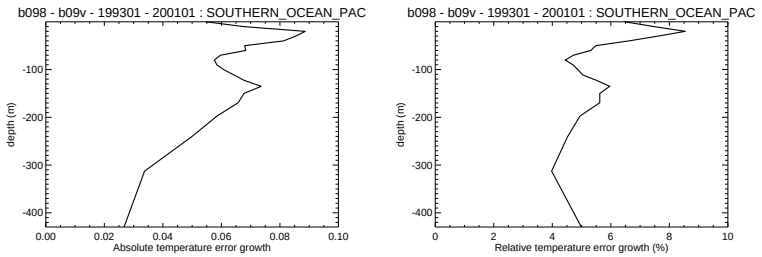
(a) Number of temperature observations (b) Density of temperature observations

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



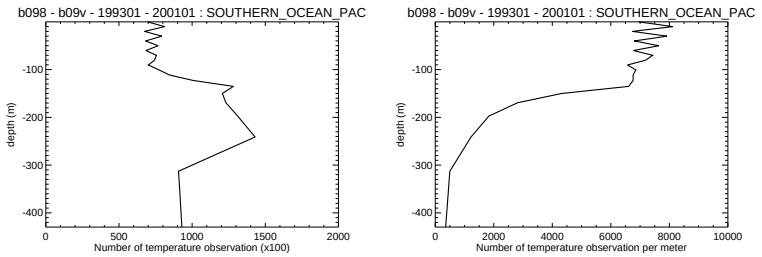
(a) Temperature mean (b) Temperature std dev

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



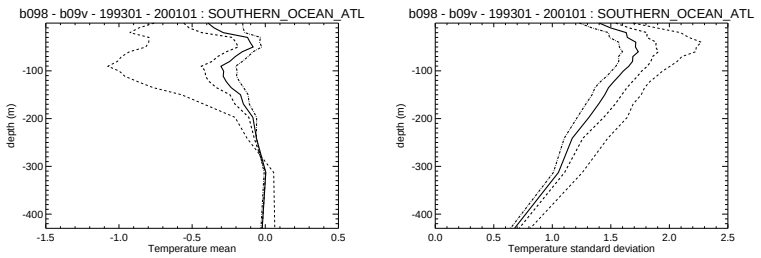
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 80 – Absolute and relative error growth in SOUTHERN_OCEAN_PAC



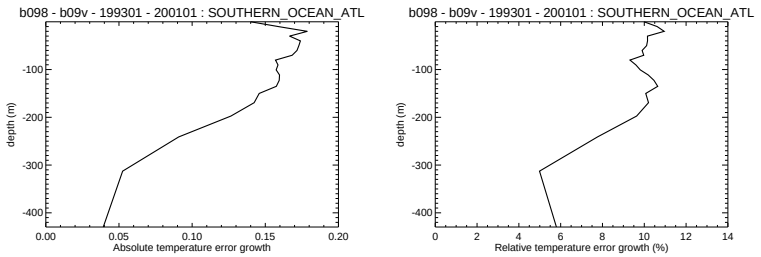
(a) Number of temperature observations (b) Density of temperature observations

FIG. 81 – Number and density of temperature observations in SOUTHERN_OCEAN_PAC



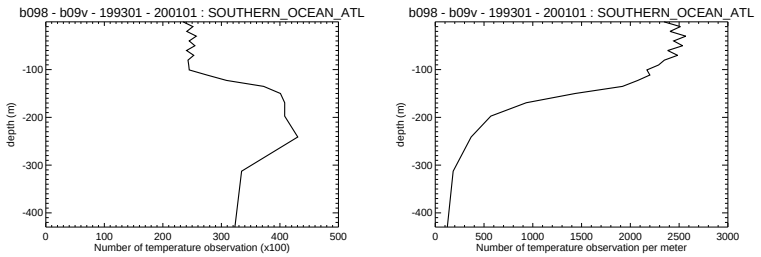
(a) Temperature mean (b) Temperature std dev

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



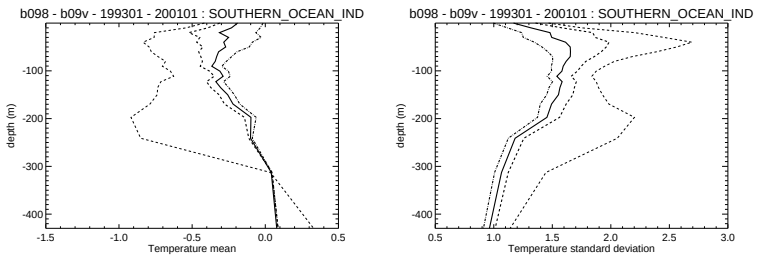
(a) Absolute temperature error growth (b) Relative temperature error growth (%)

FIG. 83 – Absolute and relative error growth in SOUTHERN_OCEAN_ATL



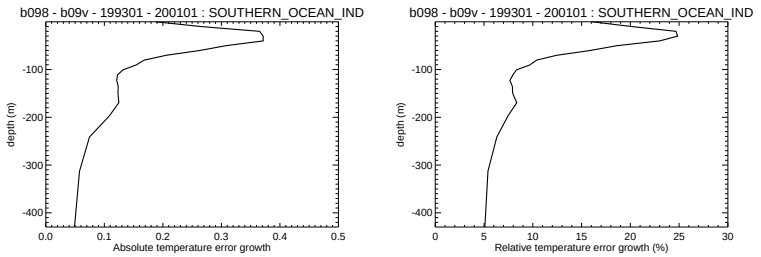
(a) Number of temperature observations (b) Density of temperature observations

FIG. 84 – Number and density of temperature observations in SOUTHERN_OCEAN_ATL



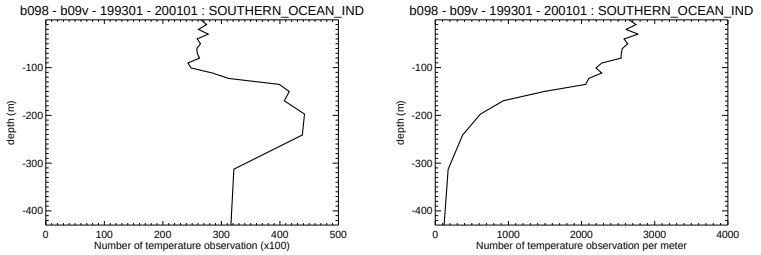
(a) Temperature mean (b) Temperature std dev

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



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

FIG. 86 – Absolute and relative error growth in SOUTHERN_OCEAN_IND



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

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