



CAMPAGNE DYNAPROC 2
DYNAmique des PROCessus rapides dans la colonne d'eau

Fascicule COPIE PLOT de DYNAPROC 2

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Descriptif des graphiques

Ce fascicule comprend les graphiques, fonction de la profondeur (0-200dbars), des données brutes lues par le programme Seasave. Les graphiques Seasave sont mis en copie d'écran dans une page Word transformée en pdf par impression dans Acrobat Distiller. Ensuite, toutes les stations dans l'ordre croissant sont assemblées dans un seul fichier pdf de Acrobat 5.0.

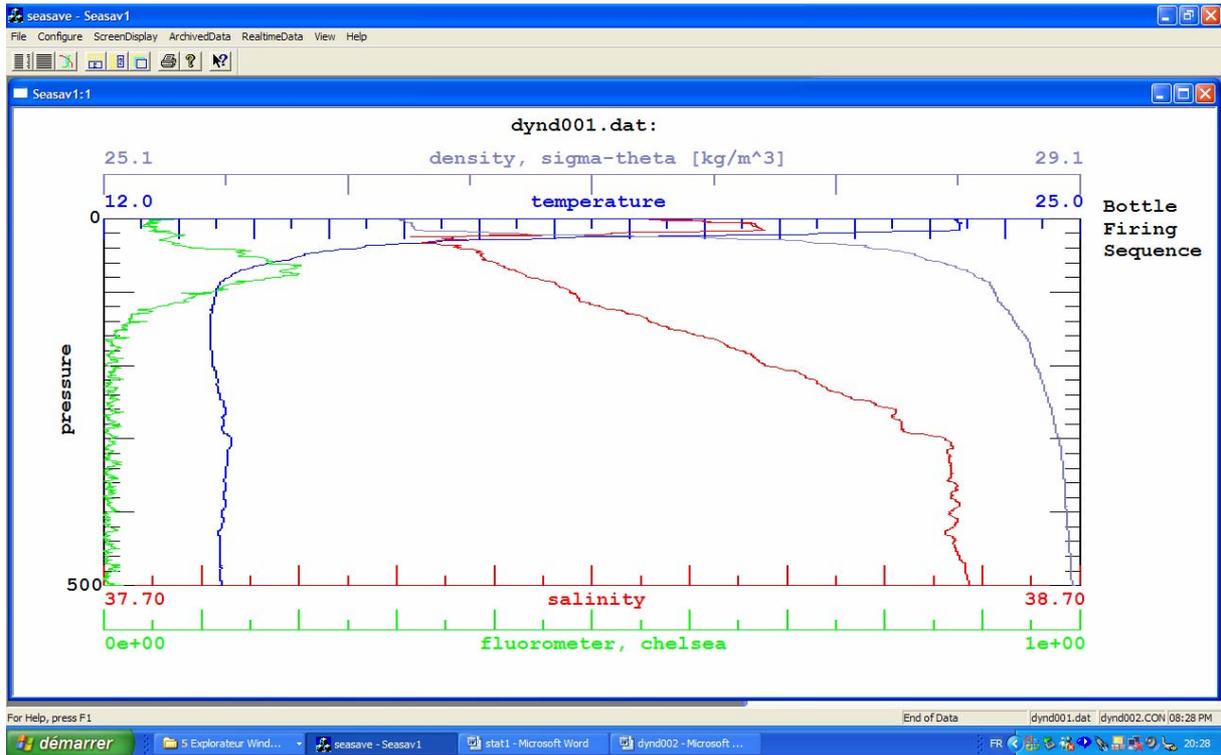
Chaque page est constituée d'un ensemble de deux graphiques pour une station. Sur le graphique de gauche sont portées les variables Température (°C), Salinité (PSU), Oxygène (ml/l) et fluorescence de la Chlorophylle *a* (unités relatives). Sur celui de droite sont portées : la densité potentielle en anomalie par rapport à 1000kg/m³ en bleu, la fluorescence (donc répétée en vert, échelle linéaire), la transmission (couleur brune, en % entre 80 et 90%) et l'éclairement scalaire (Cpar, unité relative en %, et échelle log) après avoir tenu compte des variations éventuelles d'éclairement en surface depuis le début de la station.

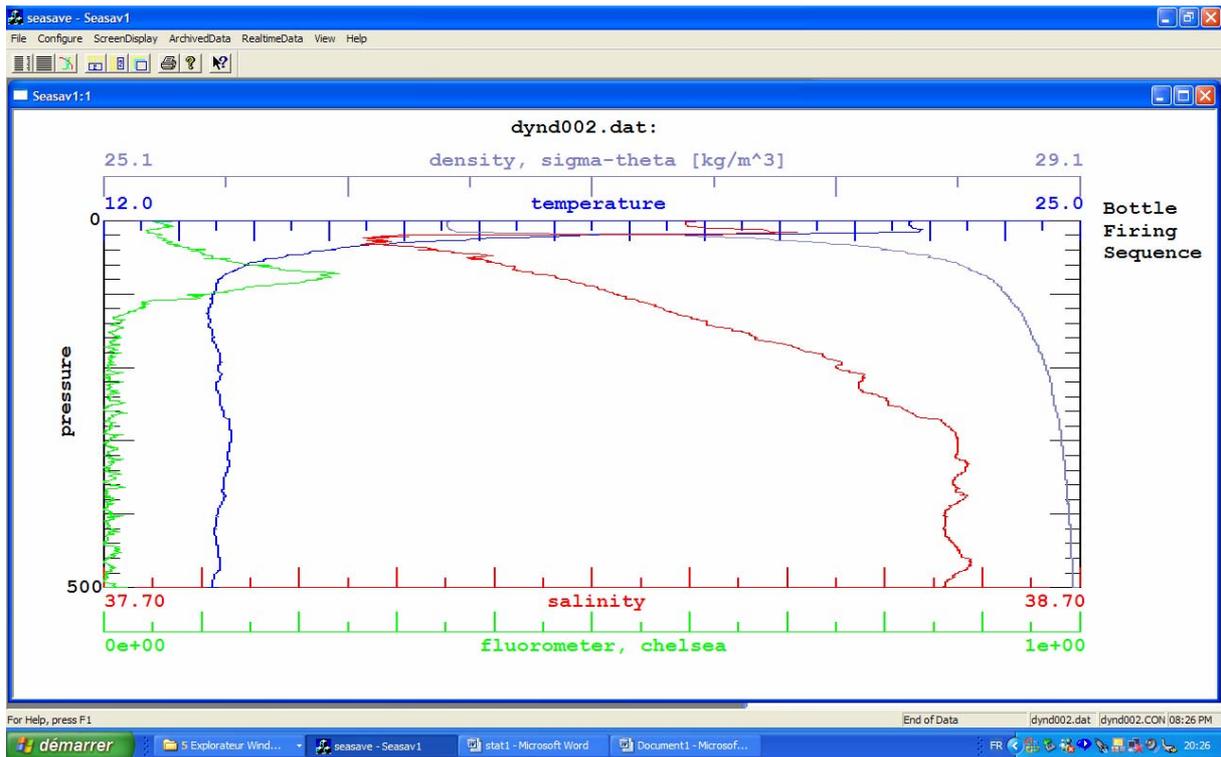
Remarques importantes

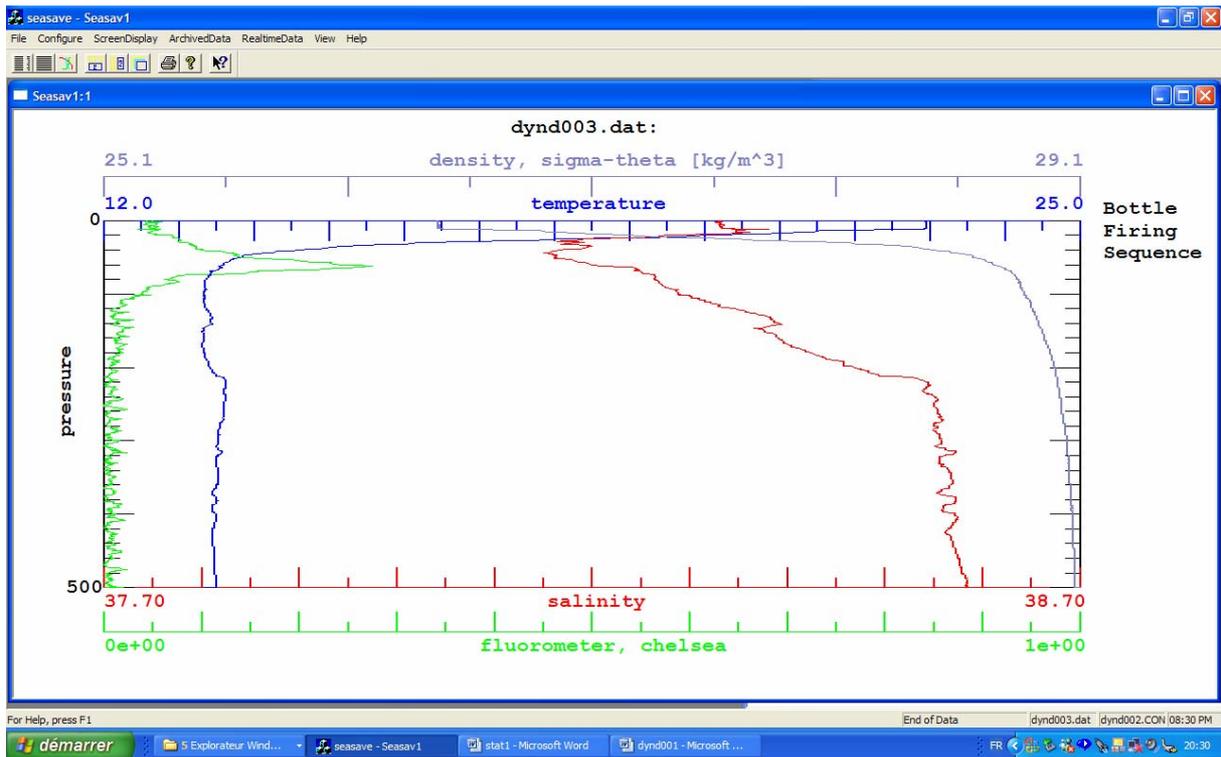
- 1.- Les données sont totalement brutes, sans correction aucune. Si des changements mineurs seront apportés aux valeurs et aux profils de température, salinité ou densité, il n'en sera sans doute pas de même pour l'oxygène, la fluorescence, l'éclairement et la transmission.
- 2.- Pour la salinité, un ajustement doit être fait pour éviter les bruits très visibles sur la salinité au franchissement de la thermocline.
- 3.- Pour l'oxygène, il est actuellement, d'après des premiers tests de comparaison avec les données de dosage de D. Lefèvre, sous-estimé de l'ordre de 0.15 ml/l (à confirmer). Cependant comme il n'est pas tenu compte dans ce traitement brut du décalage de 8 secondes environ entre le signal du capteur d'oxygène SBE 43 et la mesure de pression, température et de salinité, des modifications très sensibles interviendront sur le profil notamment dans les forts gradients.
- 4.- Pour la Fluorescence – indication de la biomasse Chla – certains pics étroits sont sans doute fortuits. Par ailleurs, une calibration d'ensemble sera effectuée.
- 5.- Pour la transmission – indication de la teneur en particules – le zéro, en fait 100%, doit être trouvé. Sans doute peu de décalage avec la profondeur.
- 6.- Pour l'éclairement, les valeurs pseudo-constantes en profondeur dénotent un manque de sensibilité du capteur, évidemment la nuit mais aussi le jour. Seules les parties de la courbe qui présentent une décroissance log avec la profondeur sont significatives. Ces courbes brutes ne peuvent guère être utilisées sans avis d'un spécialiste et à titre indicatif pour obtenir les niveaux lumineux (1%,3% etc...).
- 7.- En Conclusion, aucun fichier de valeur ne peut être transmis avant un traitement complet standard. Ce fascicule de travail préliminaire au traitement n'est fourni qu'à titre indicatif et non pour une utilisation scientifique.

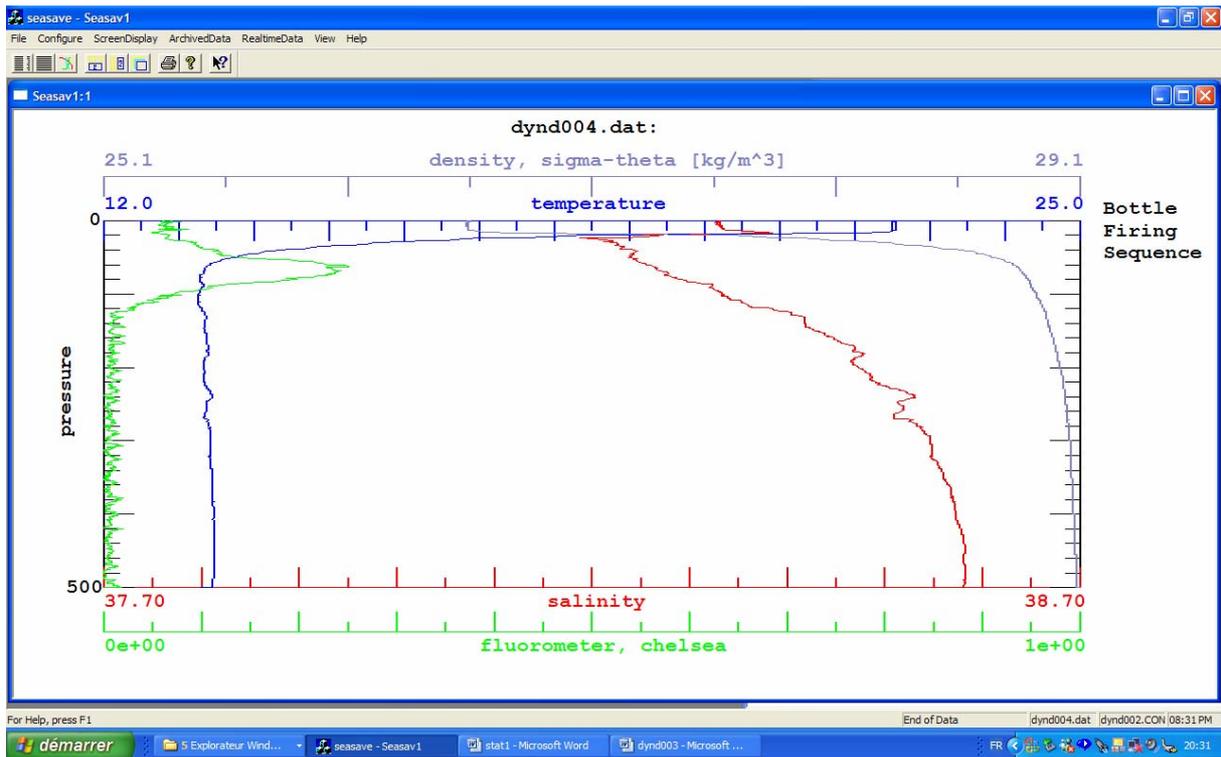
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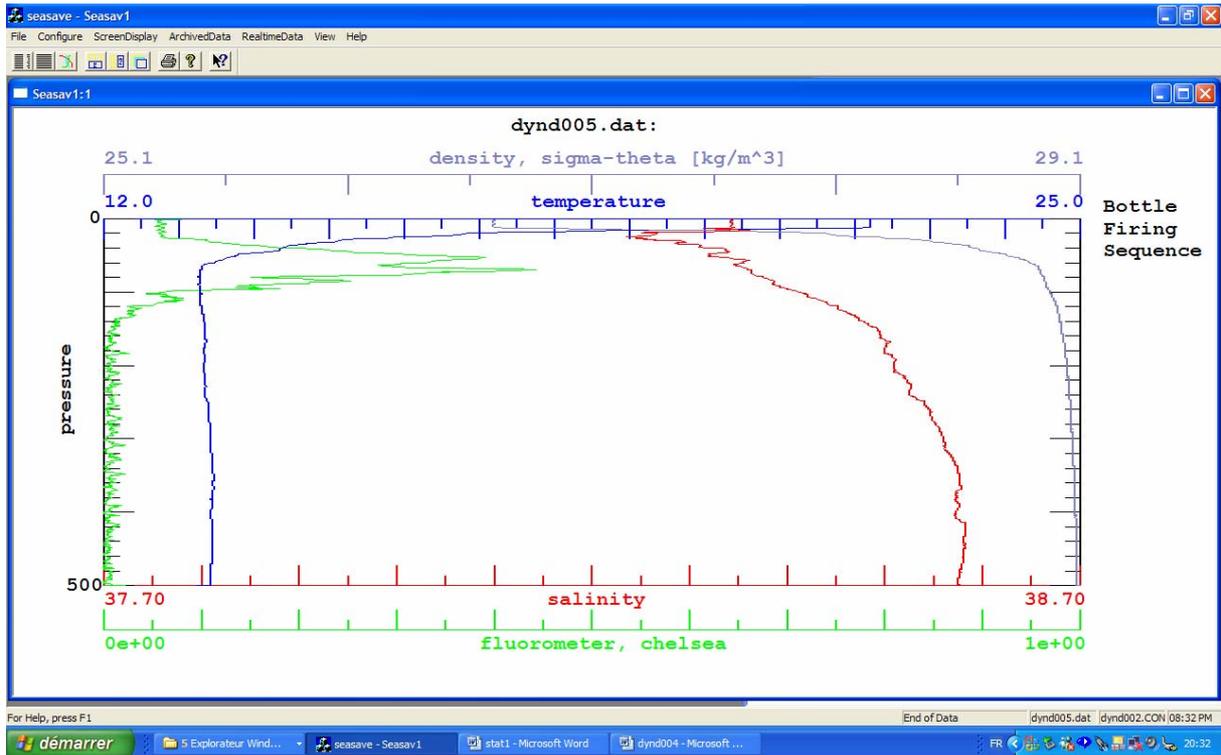
CTD SBE 911Plus, avec capteur d'oxygène SBE43 (le dernier), le transmissiomètre CST718DR..., le fluorimètre Chelsea Aquatracka 3 et les capteurs Par sphérique de Licor.

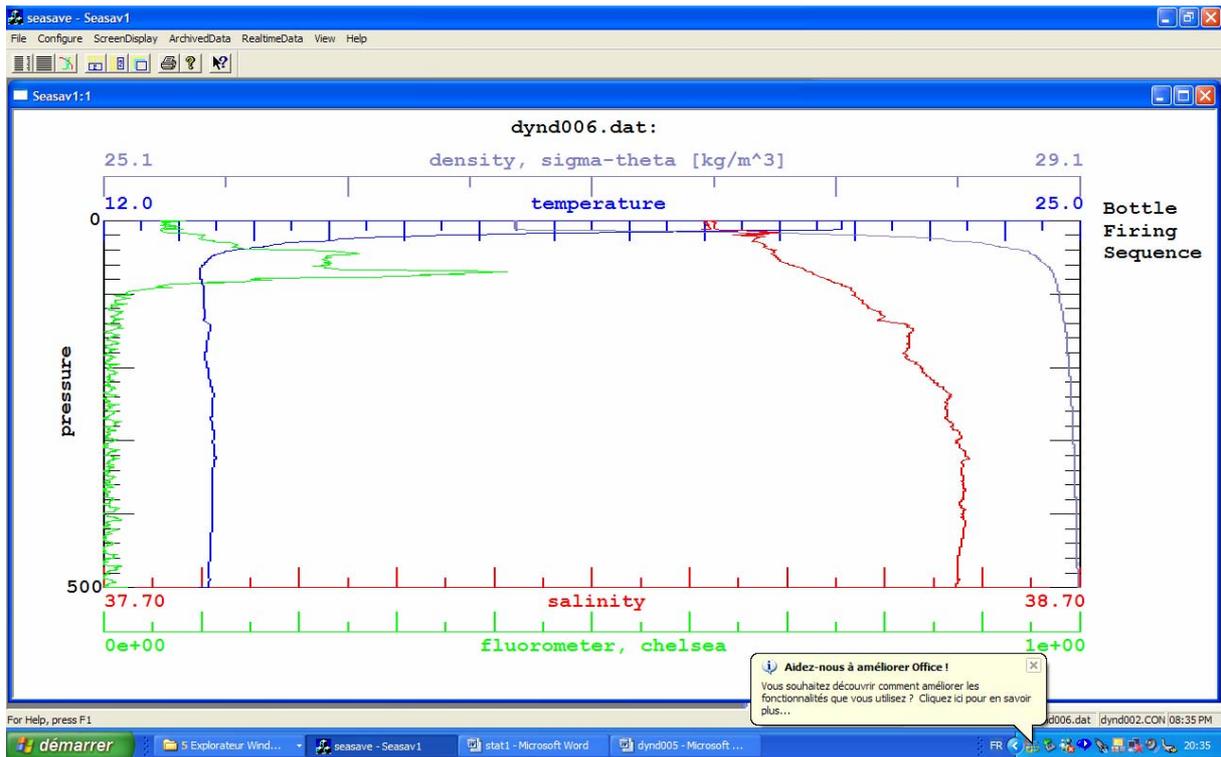


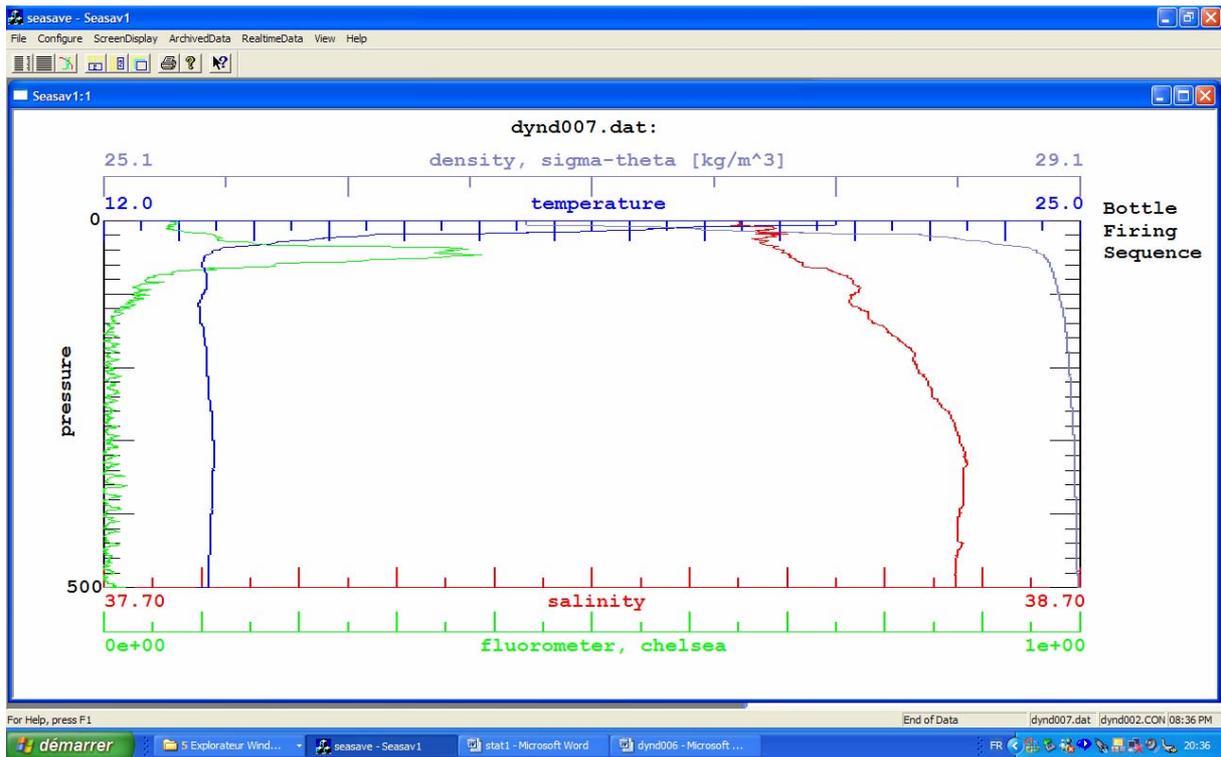


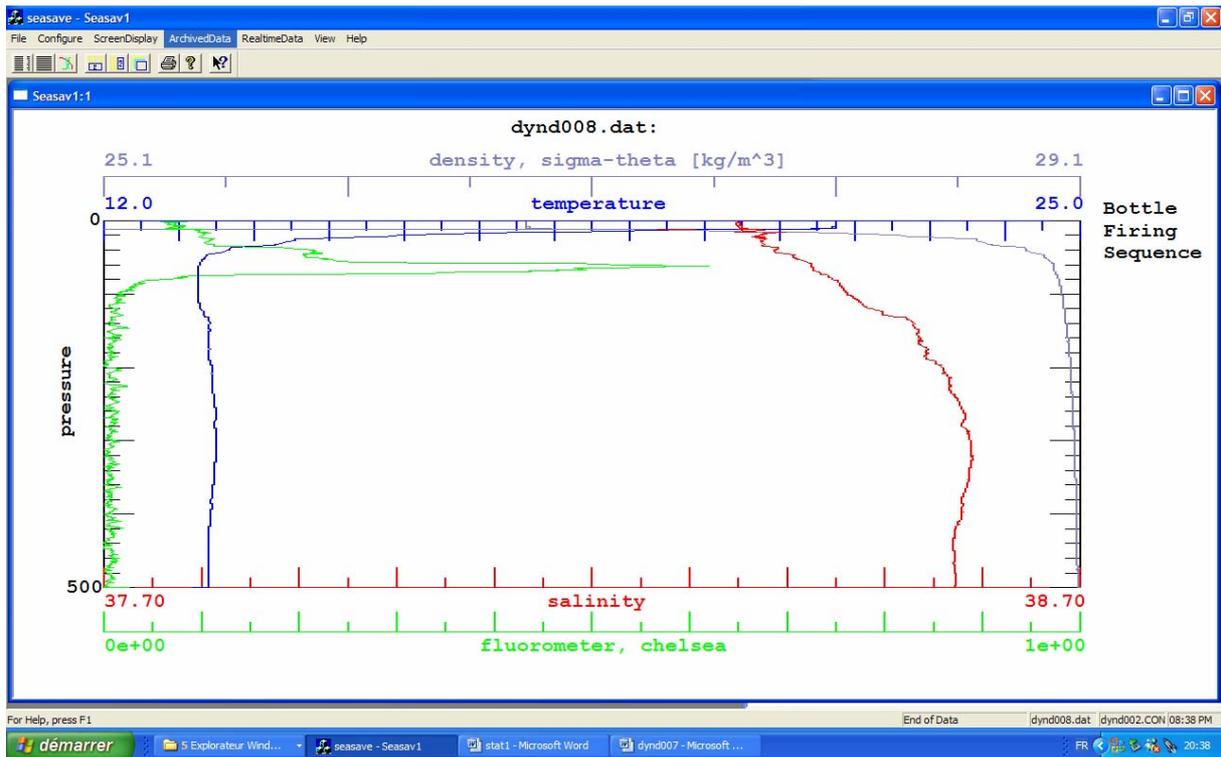


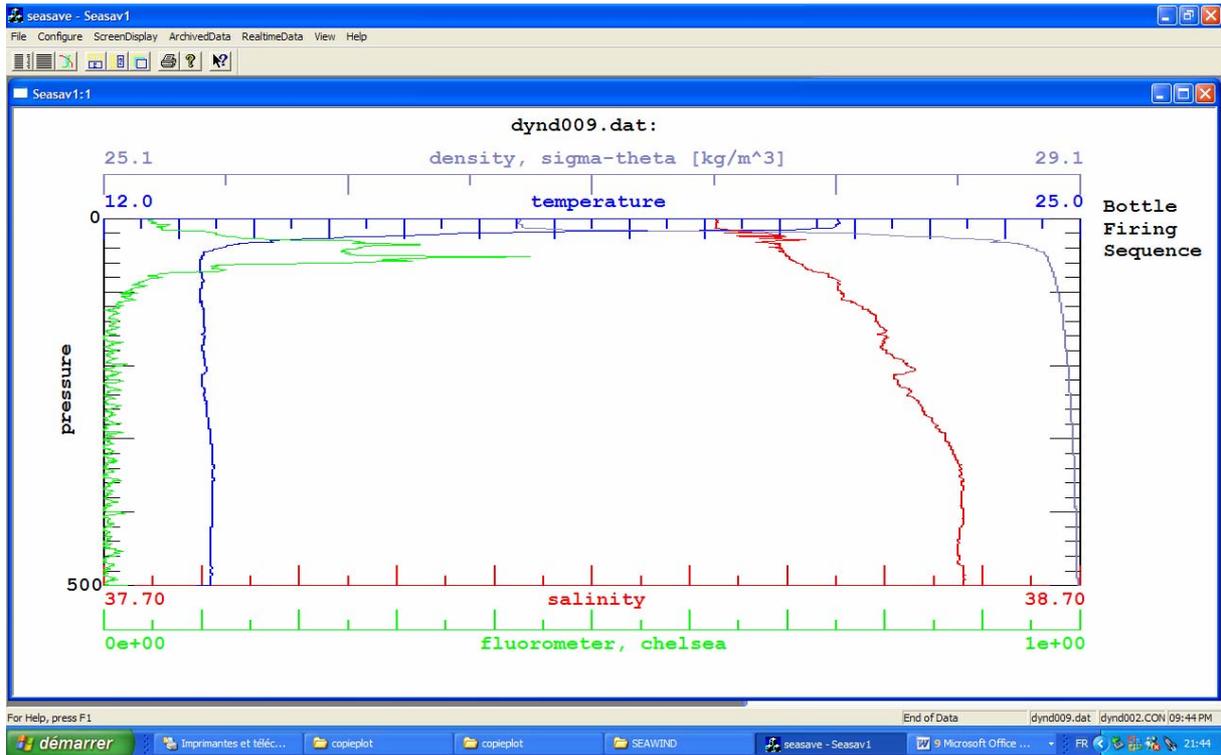


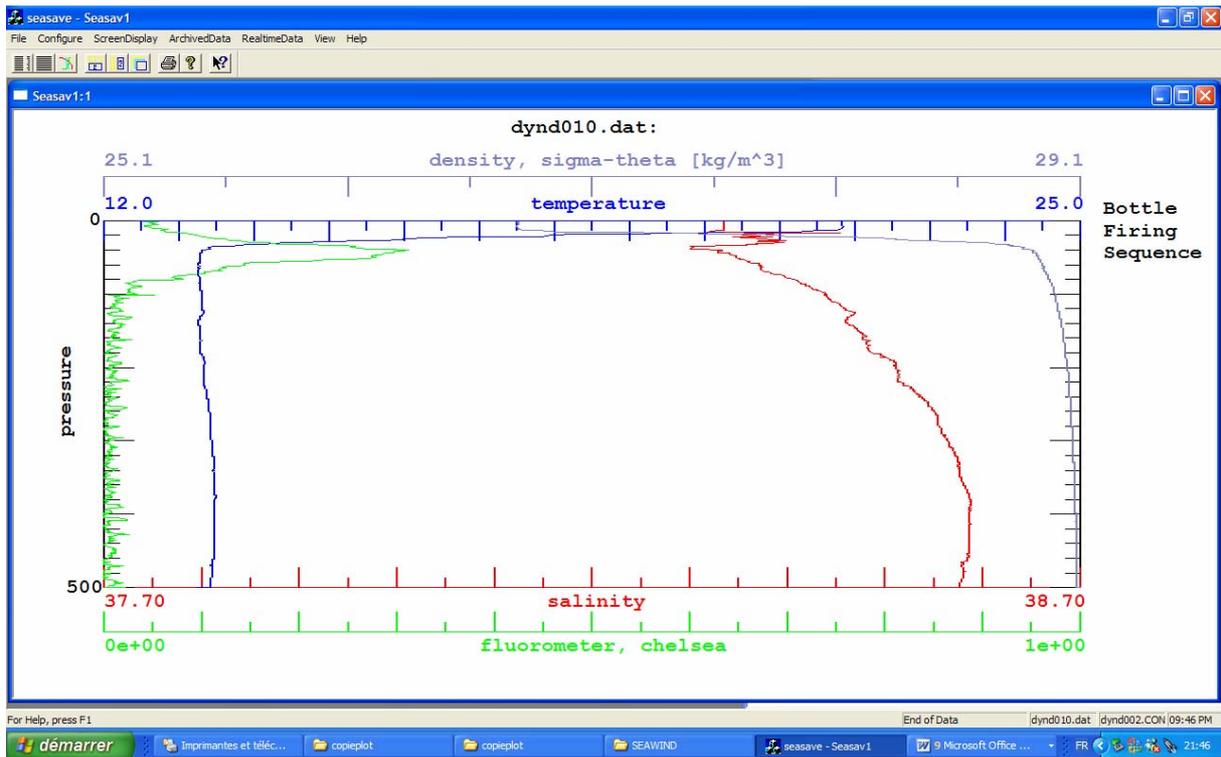


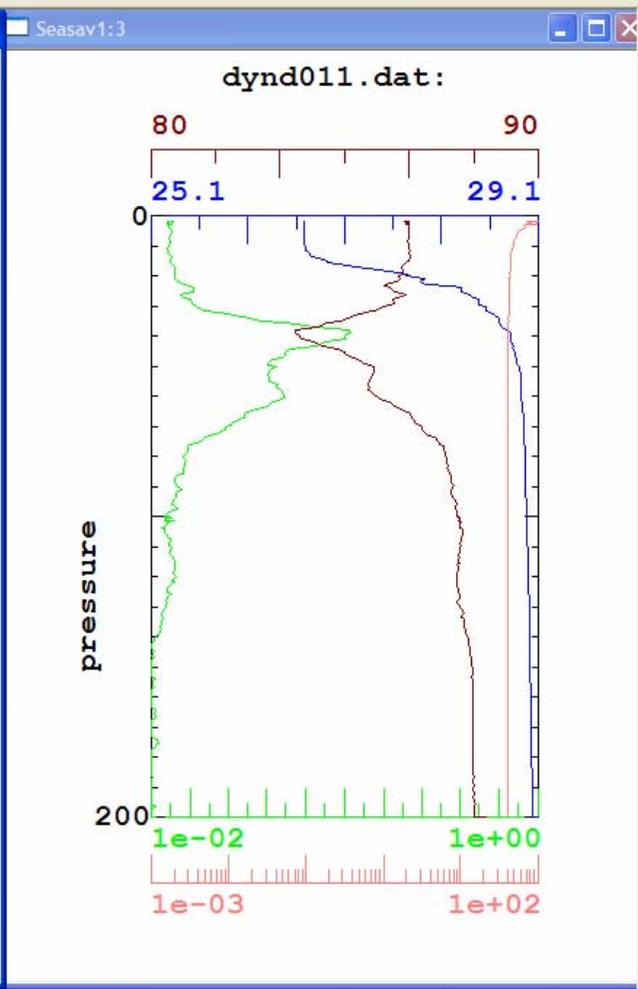
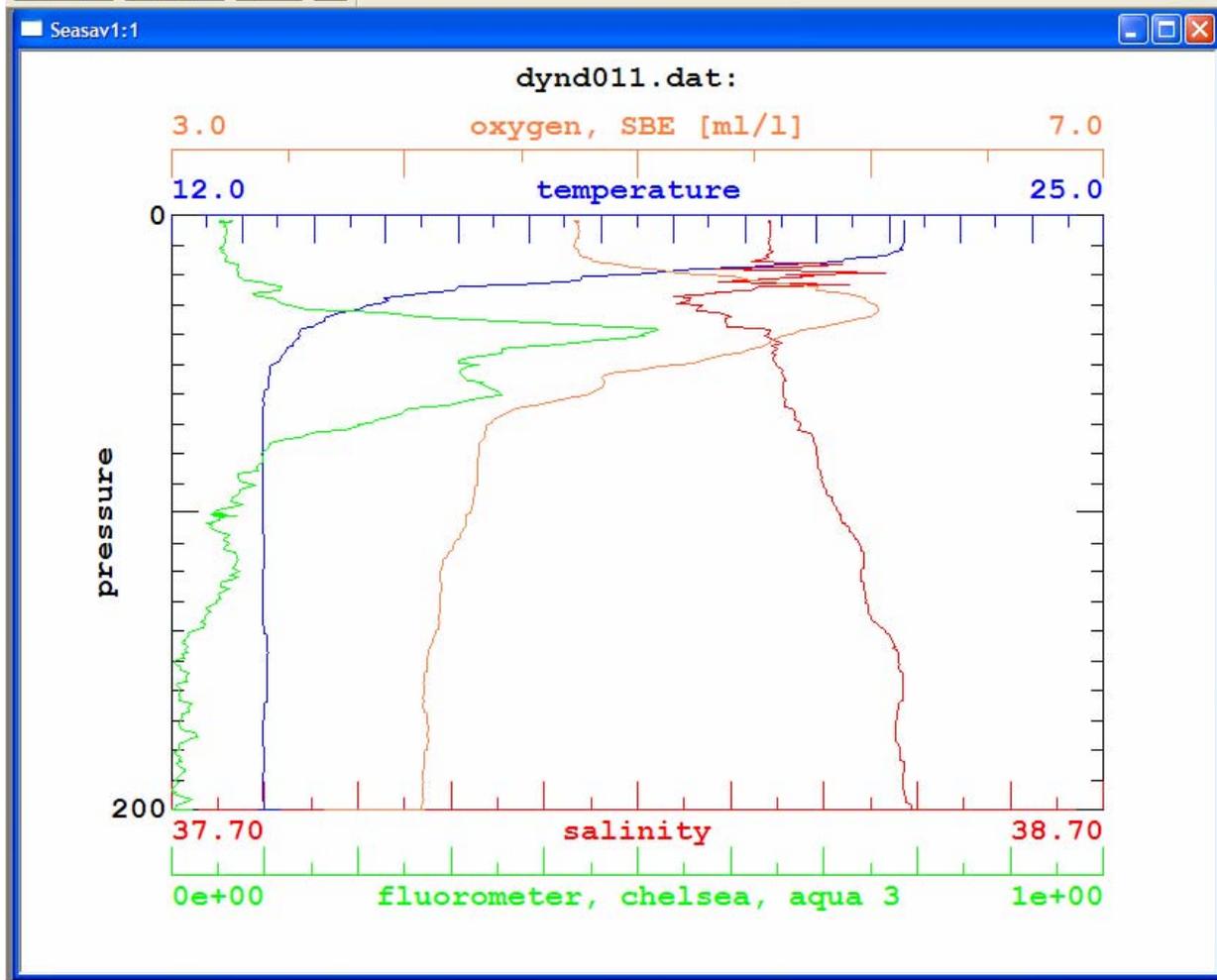


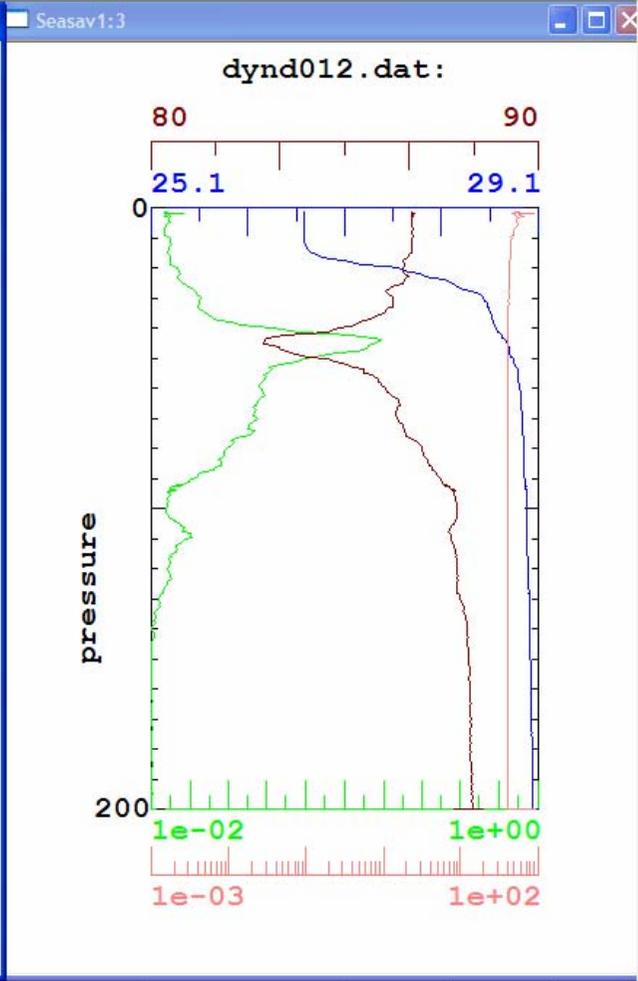
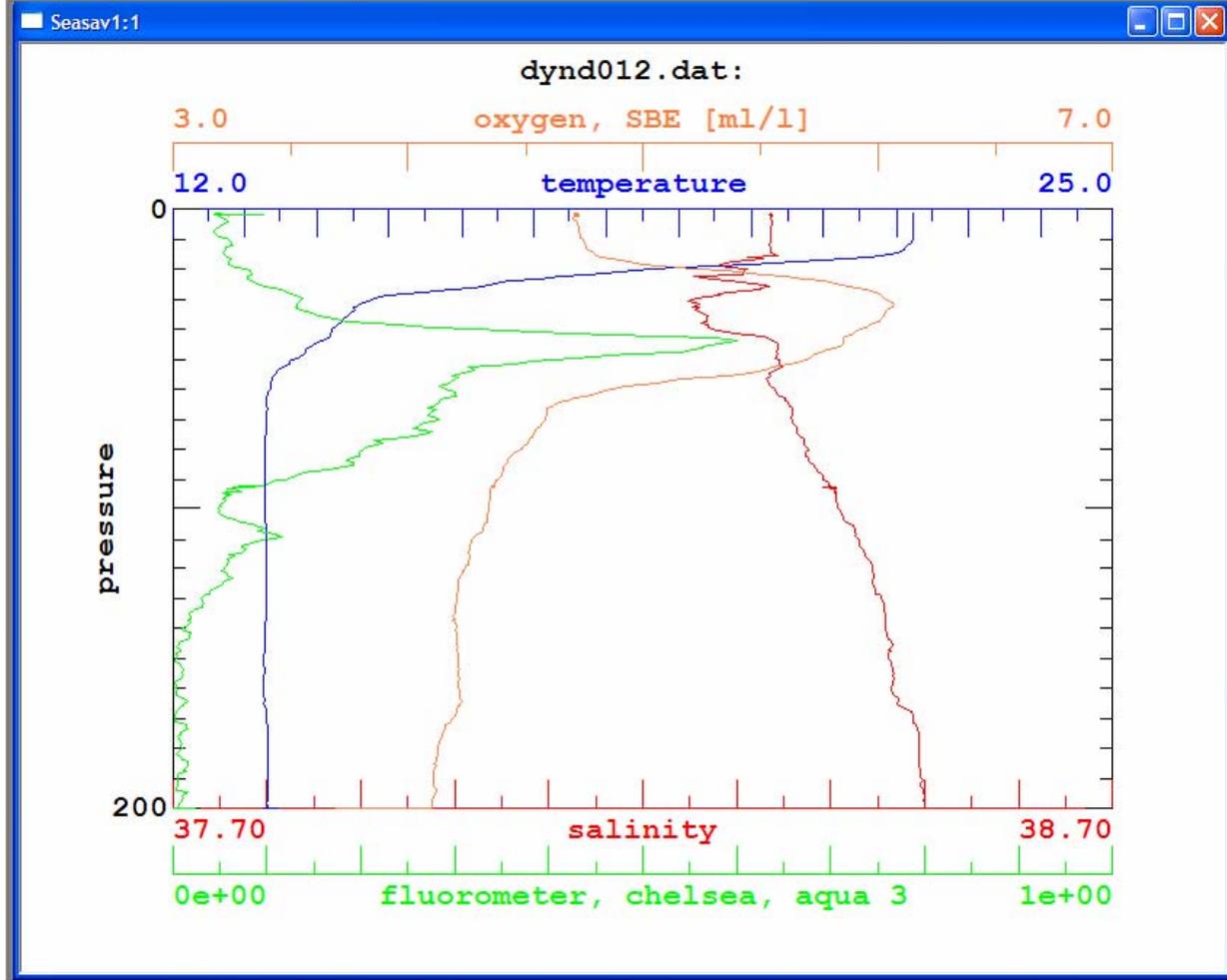


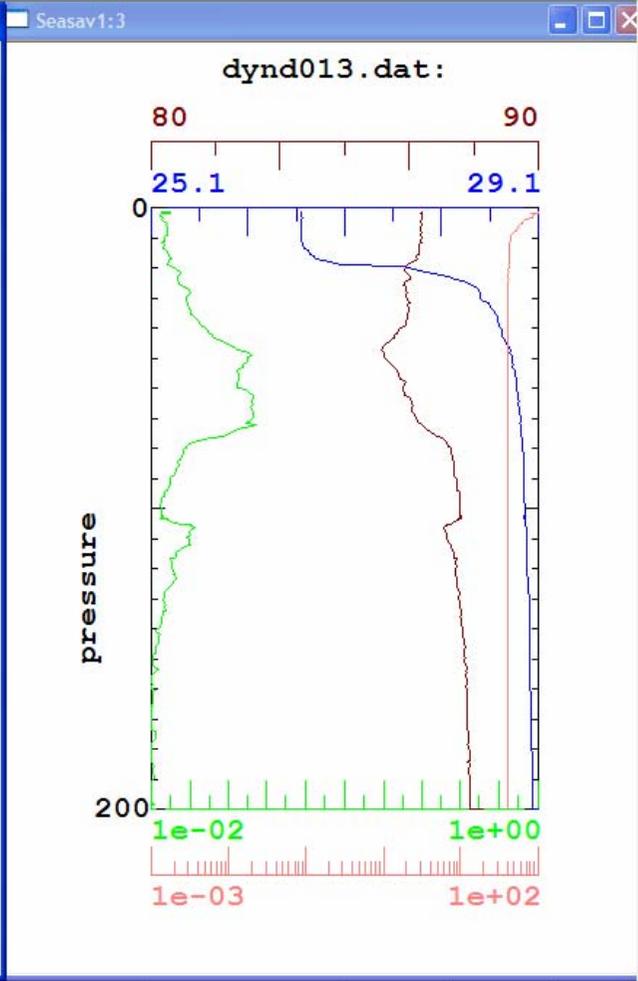
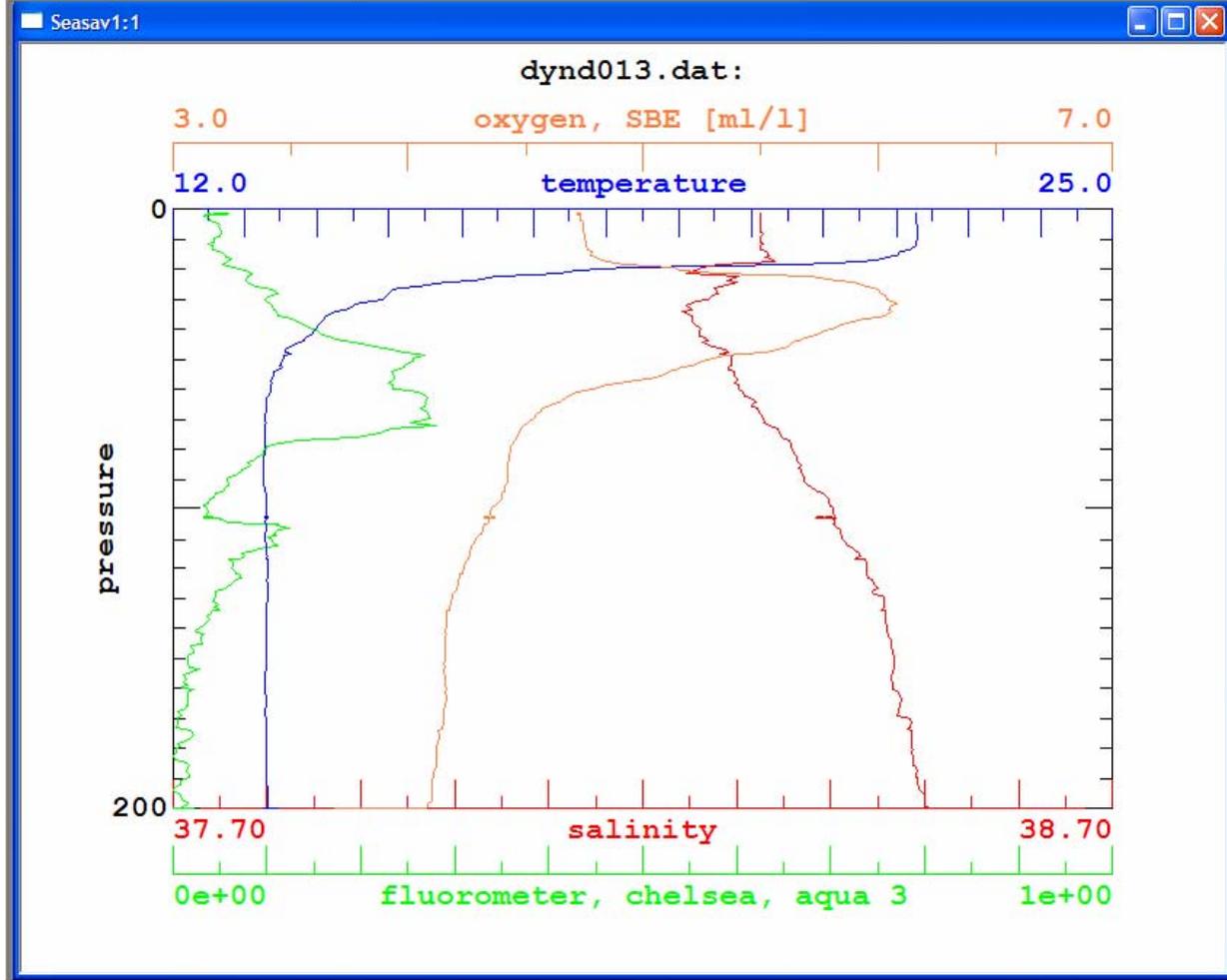


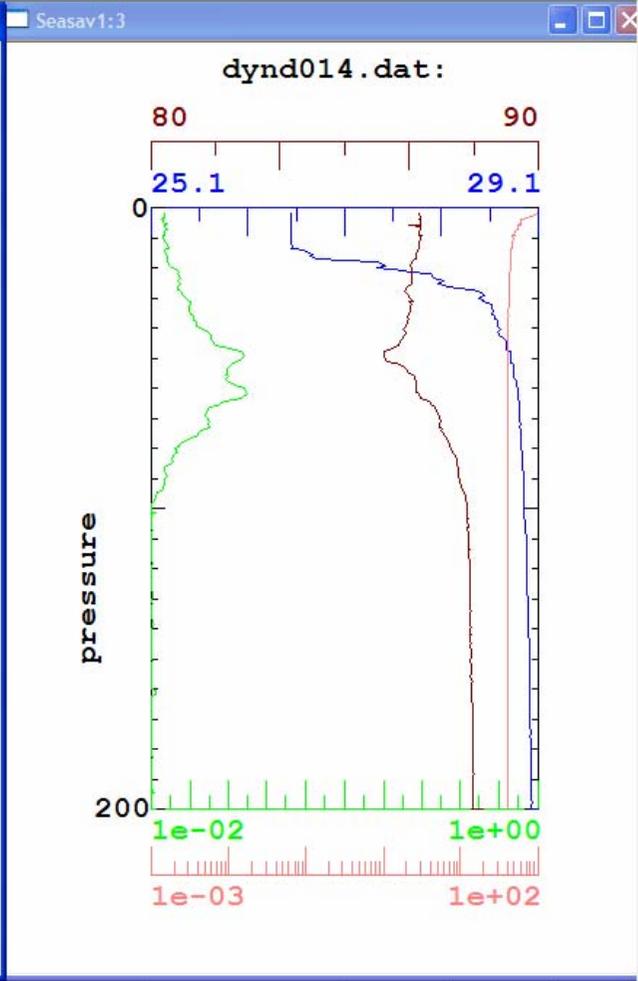
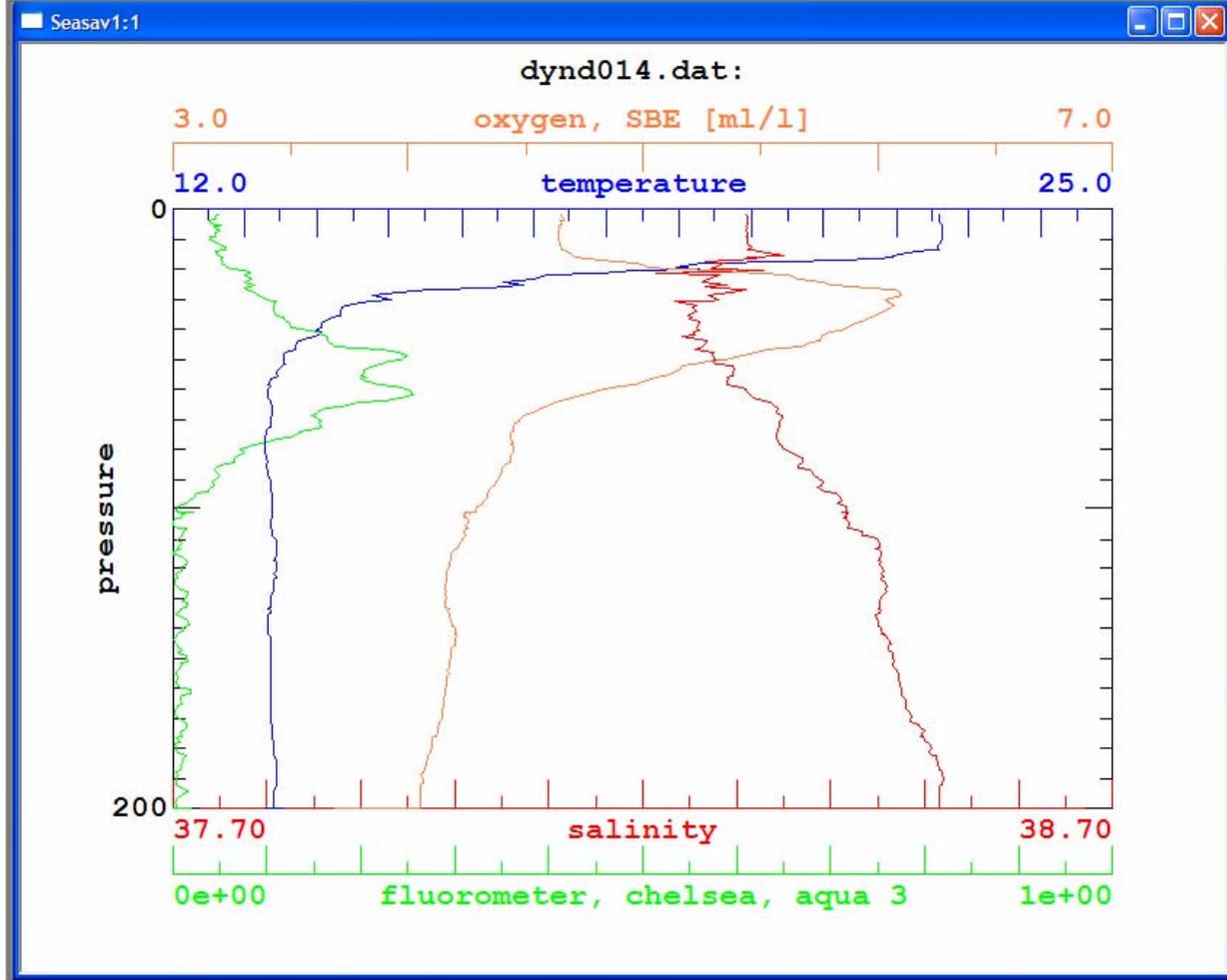


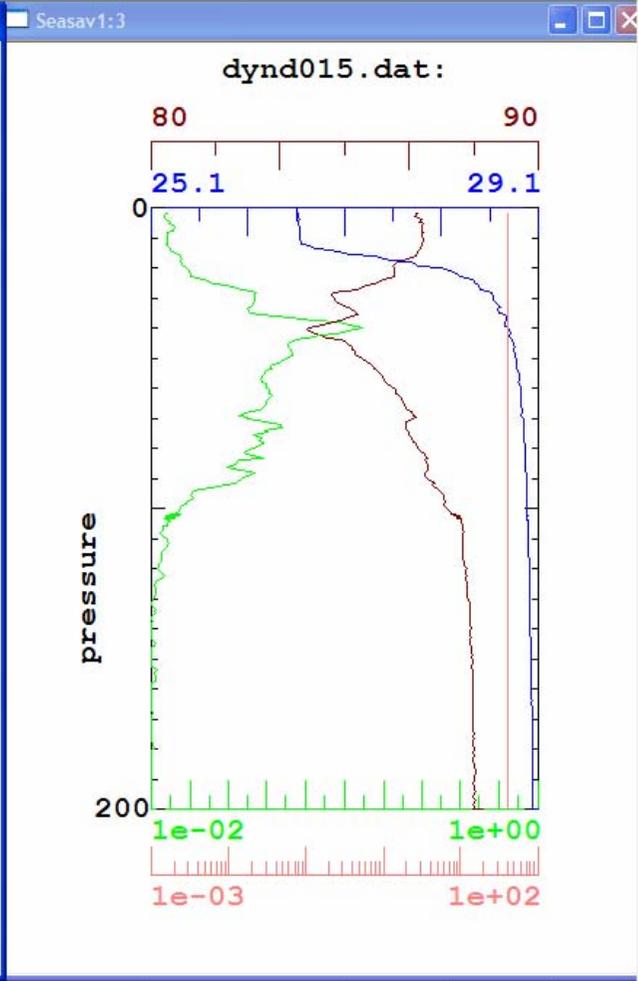
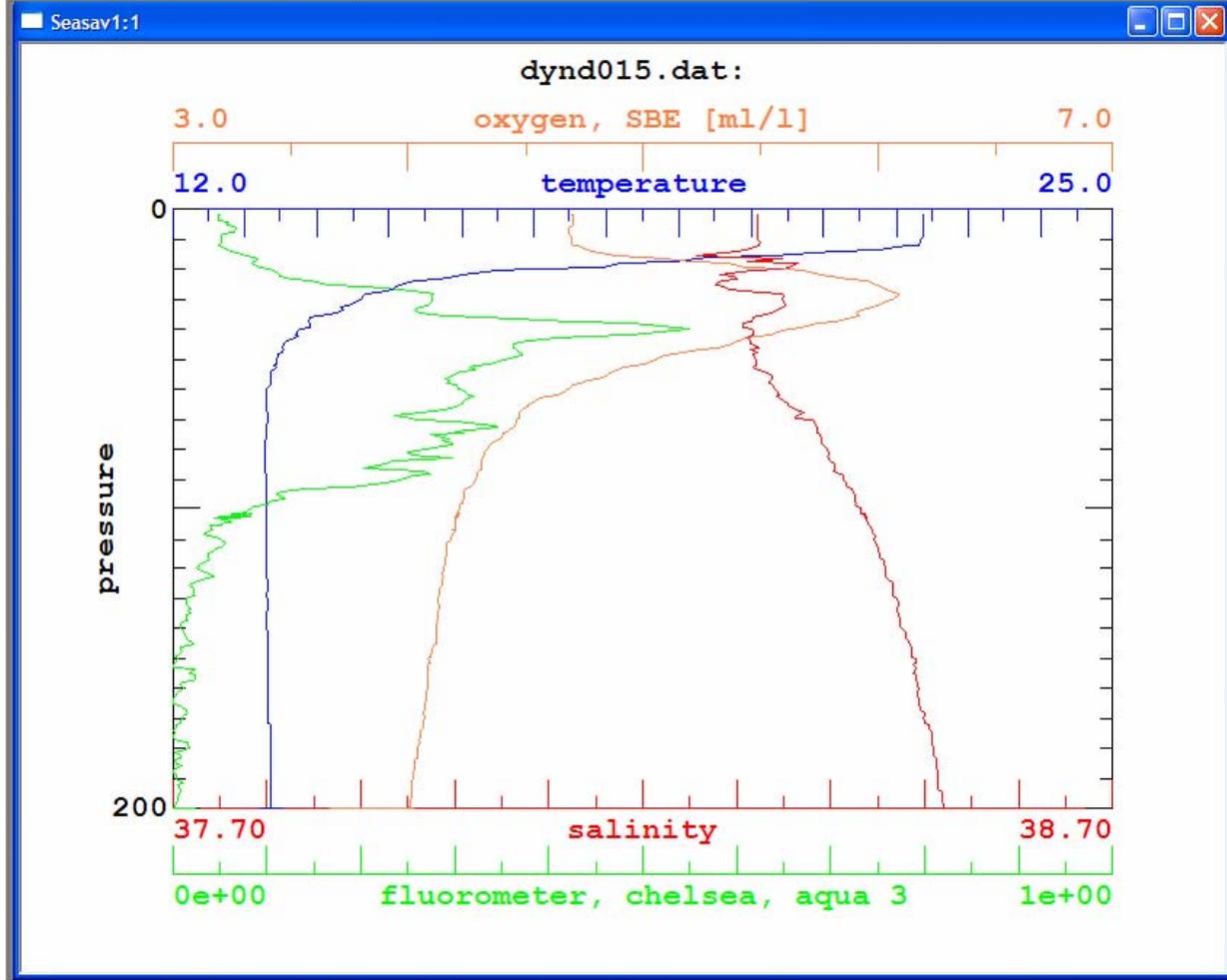


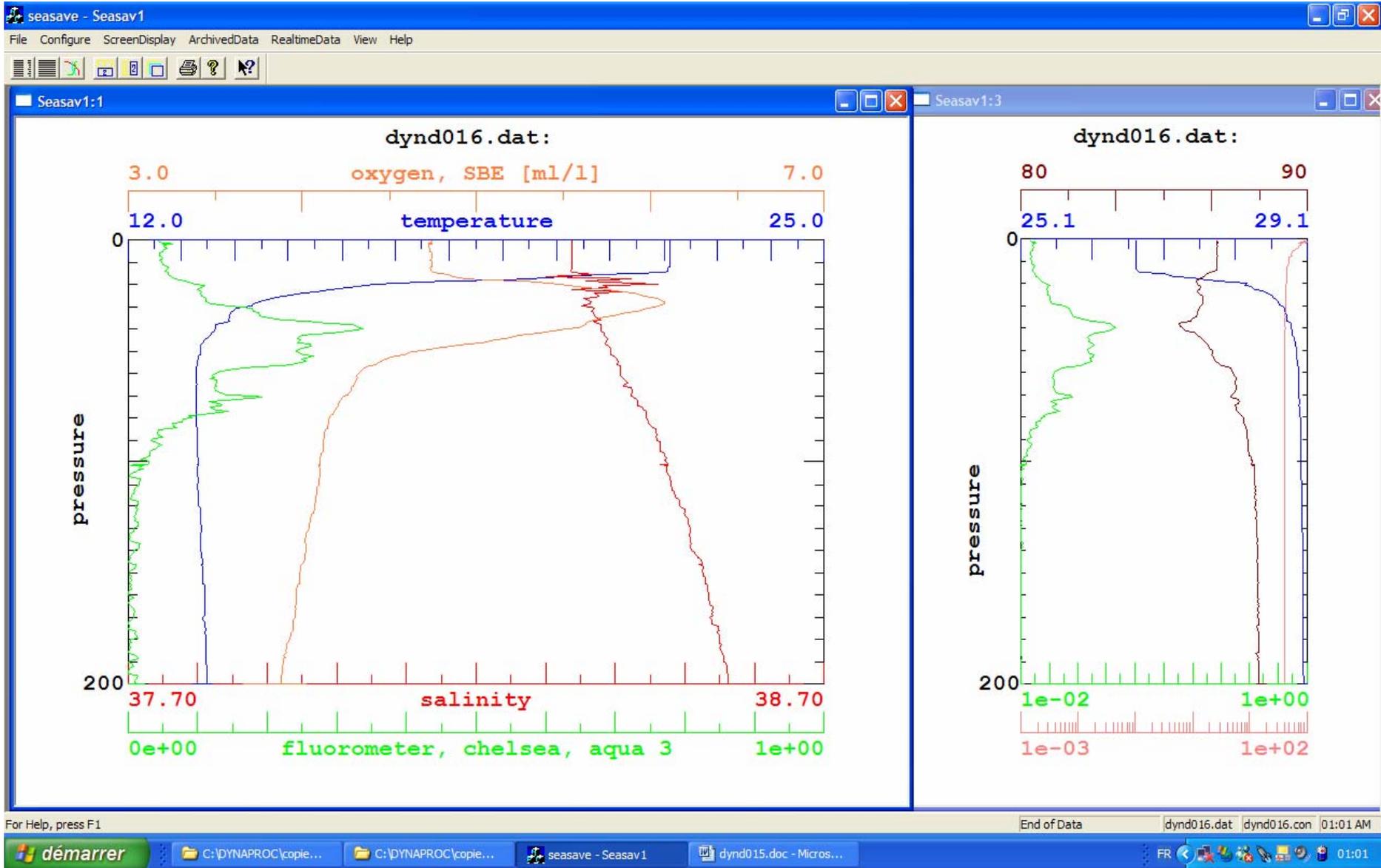


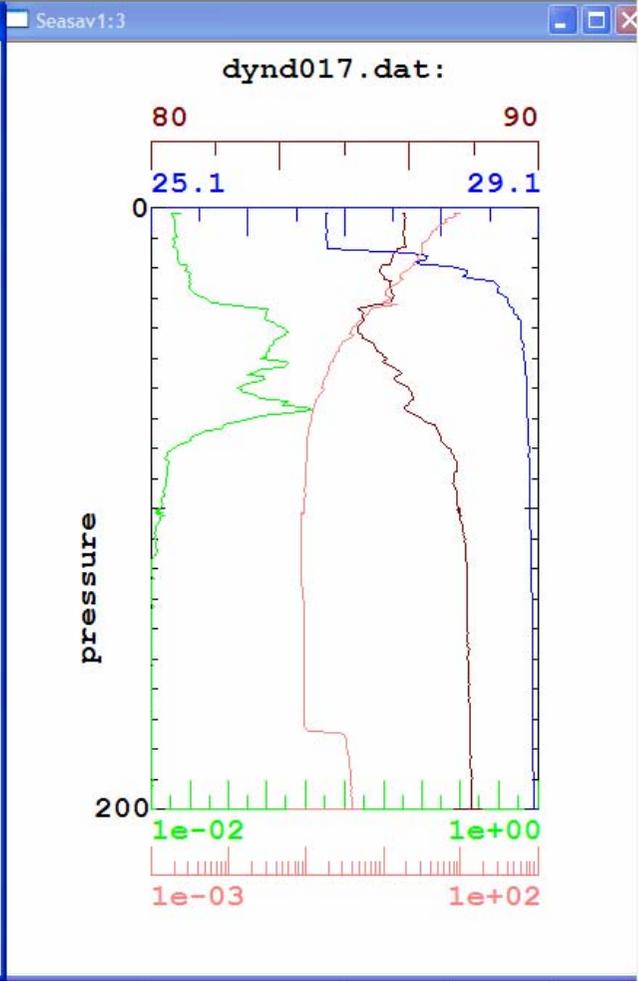
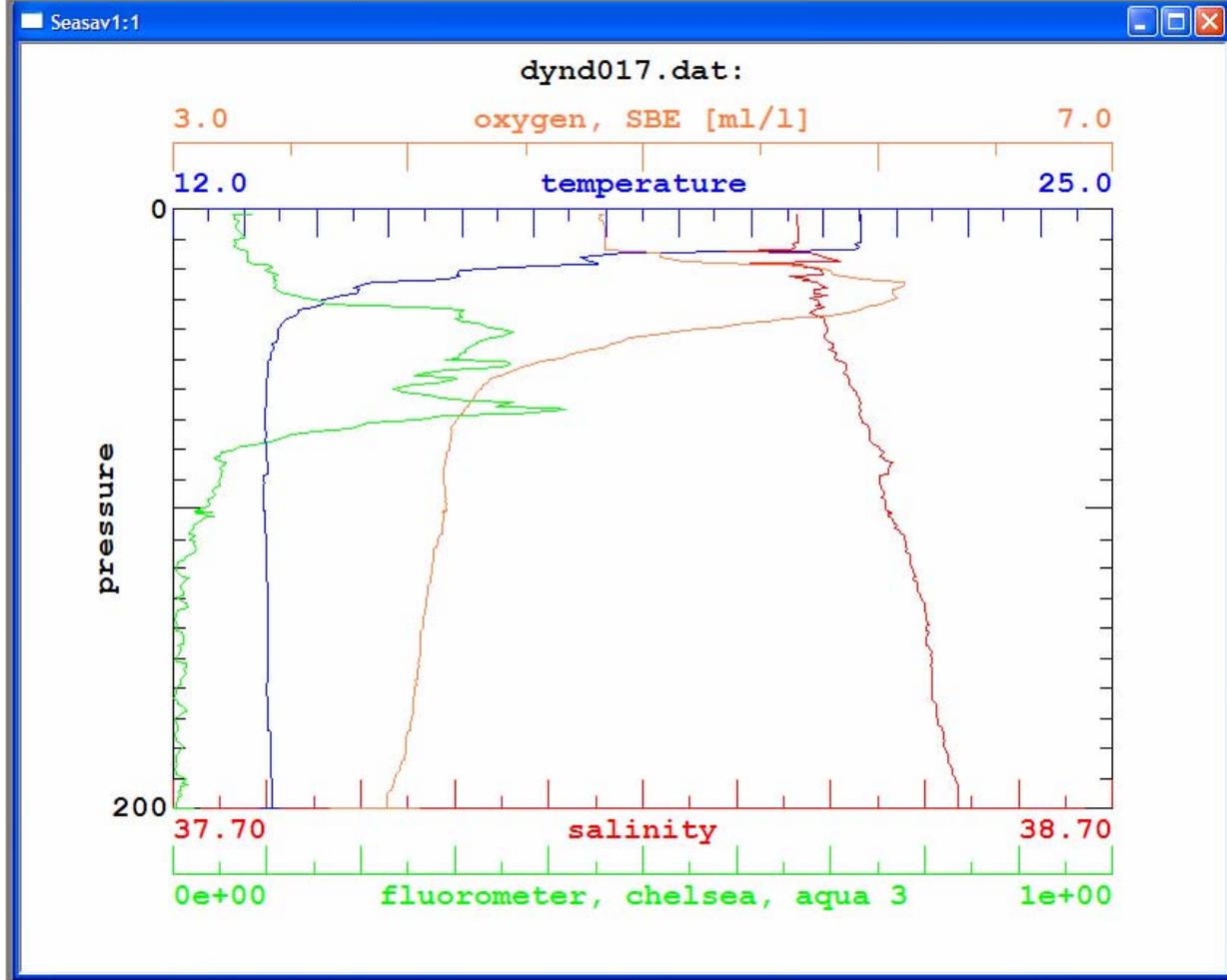


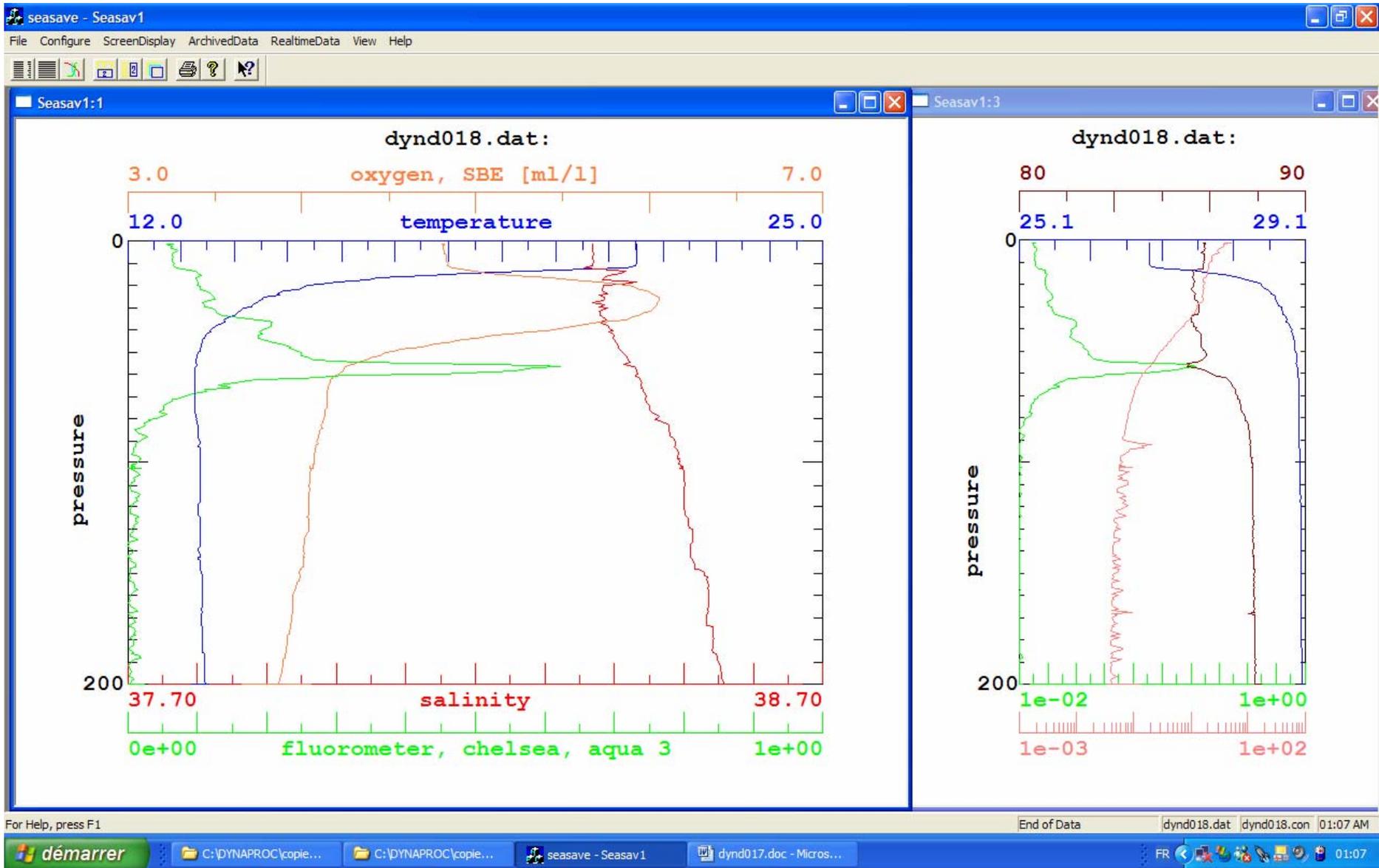


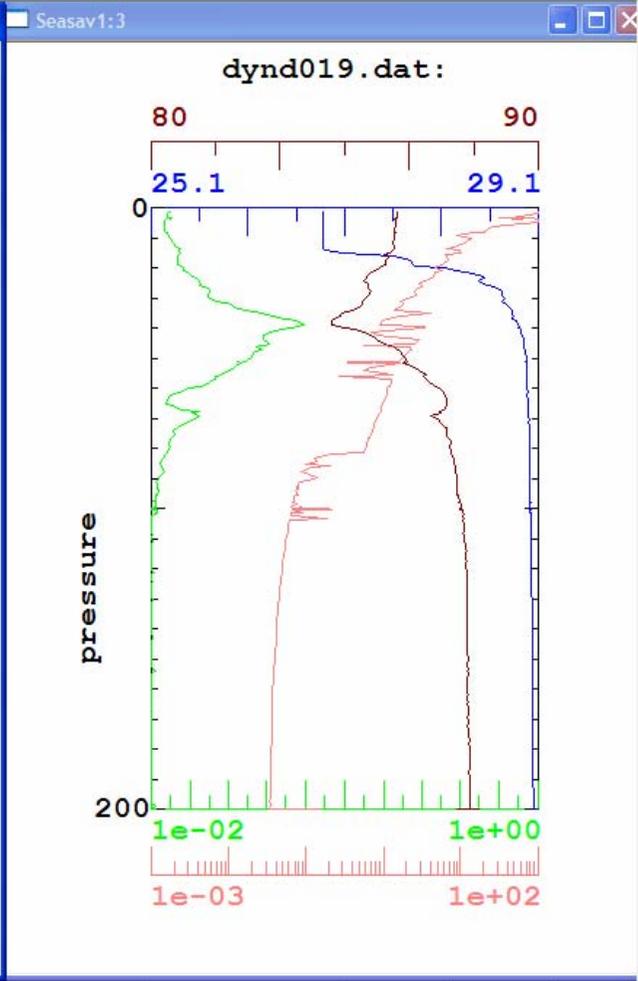
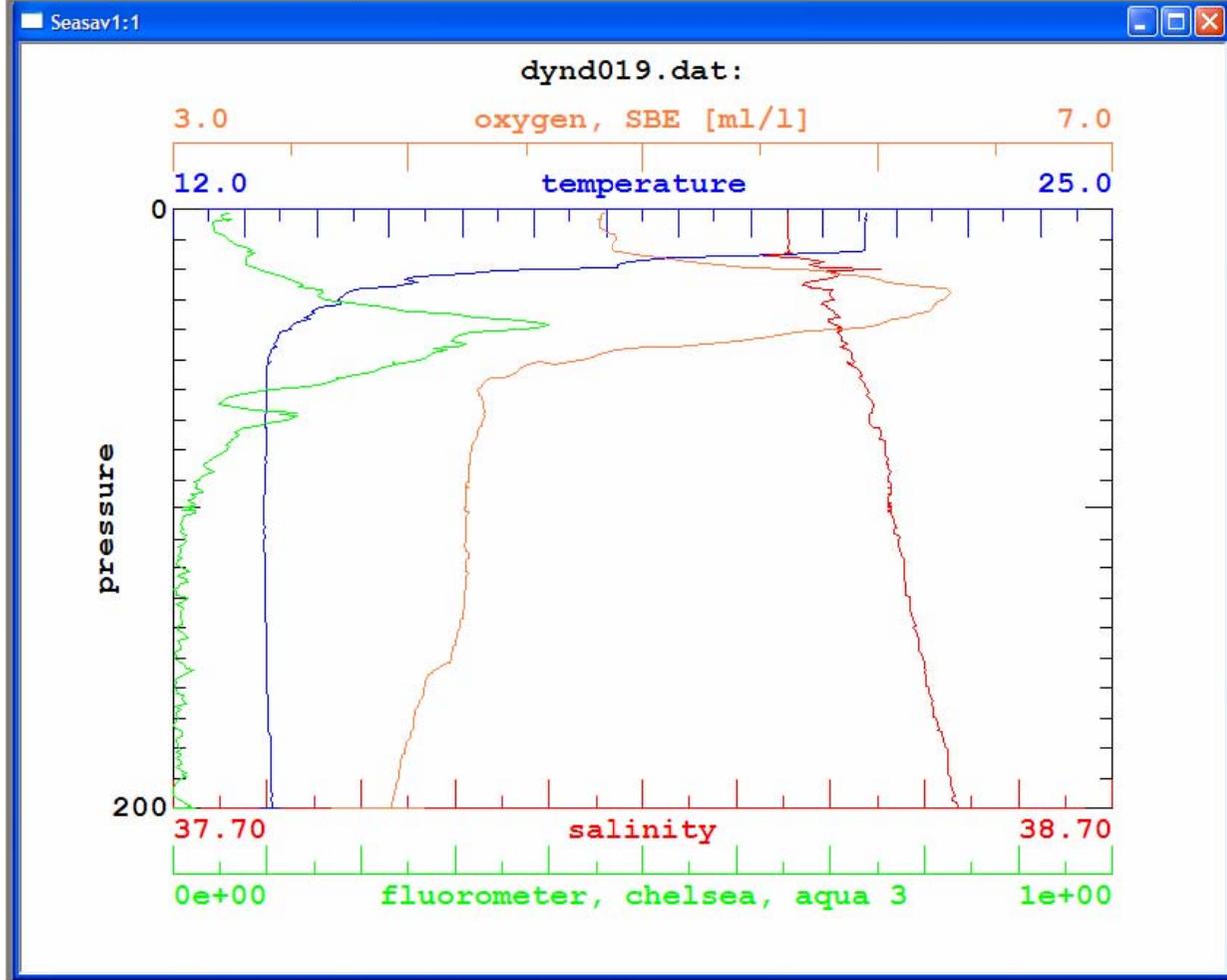


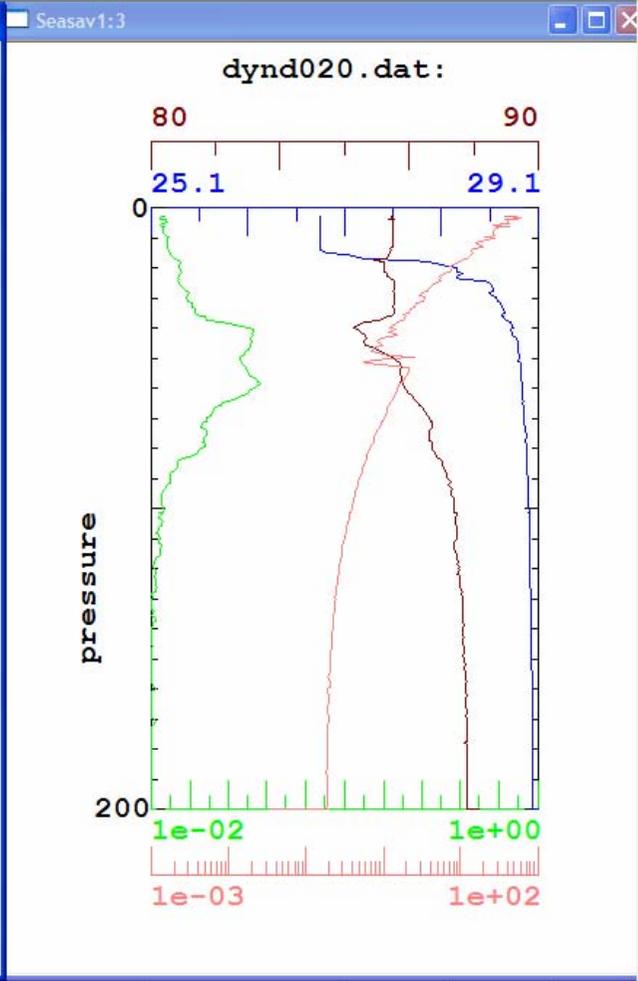
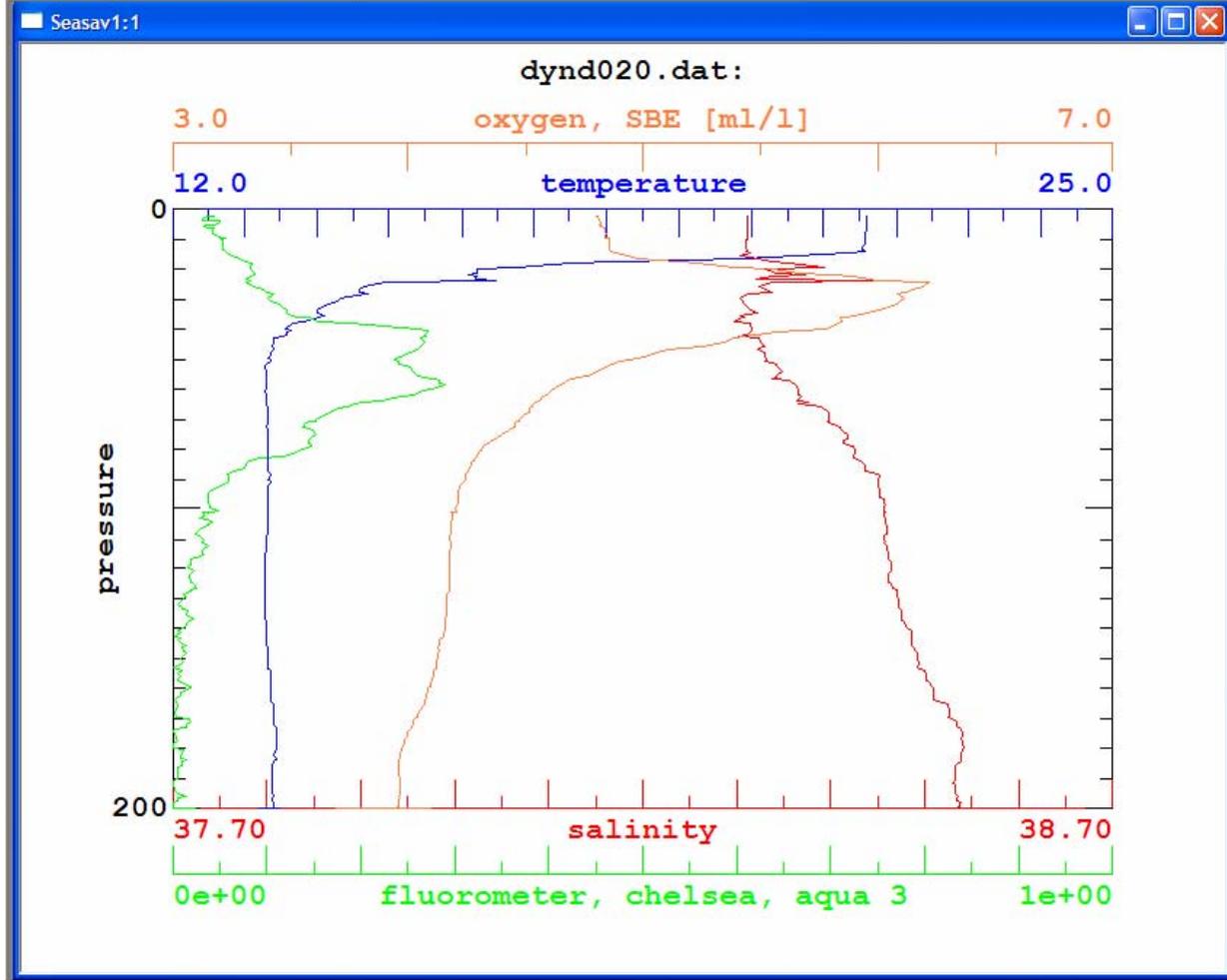


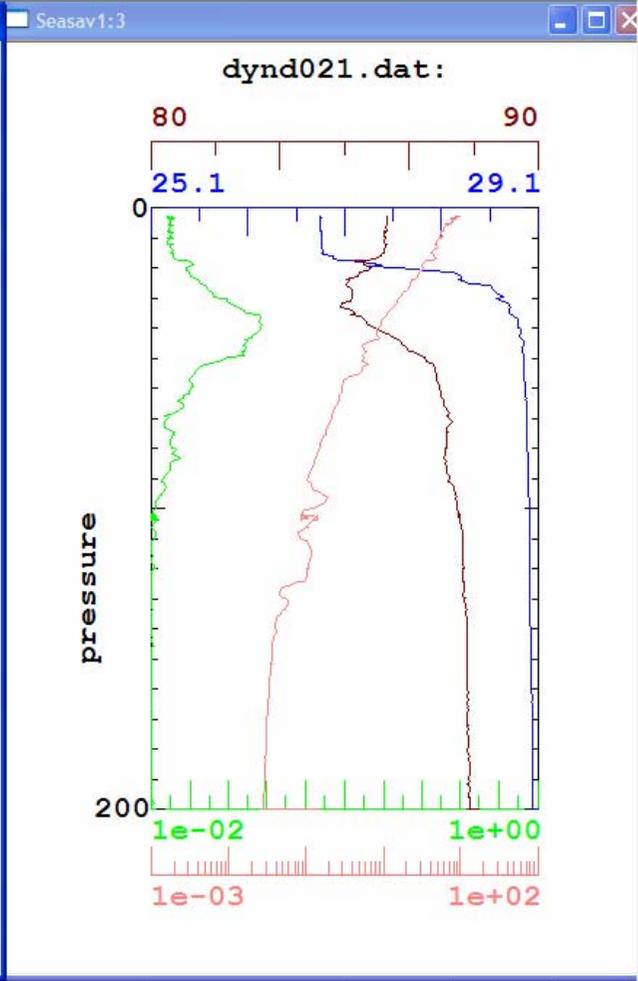
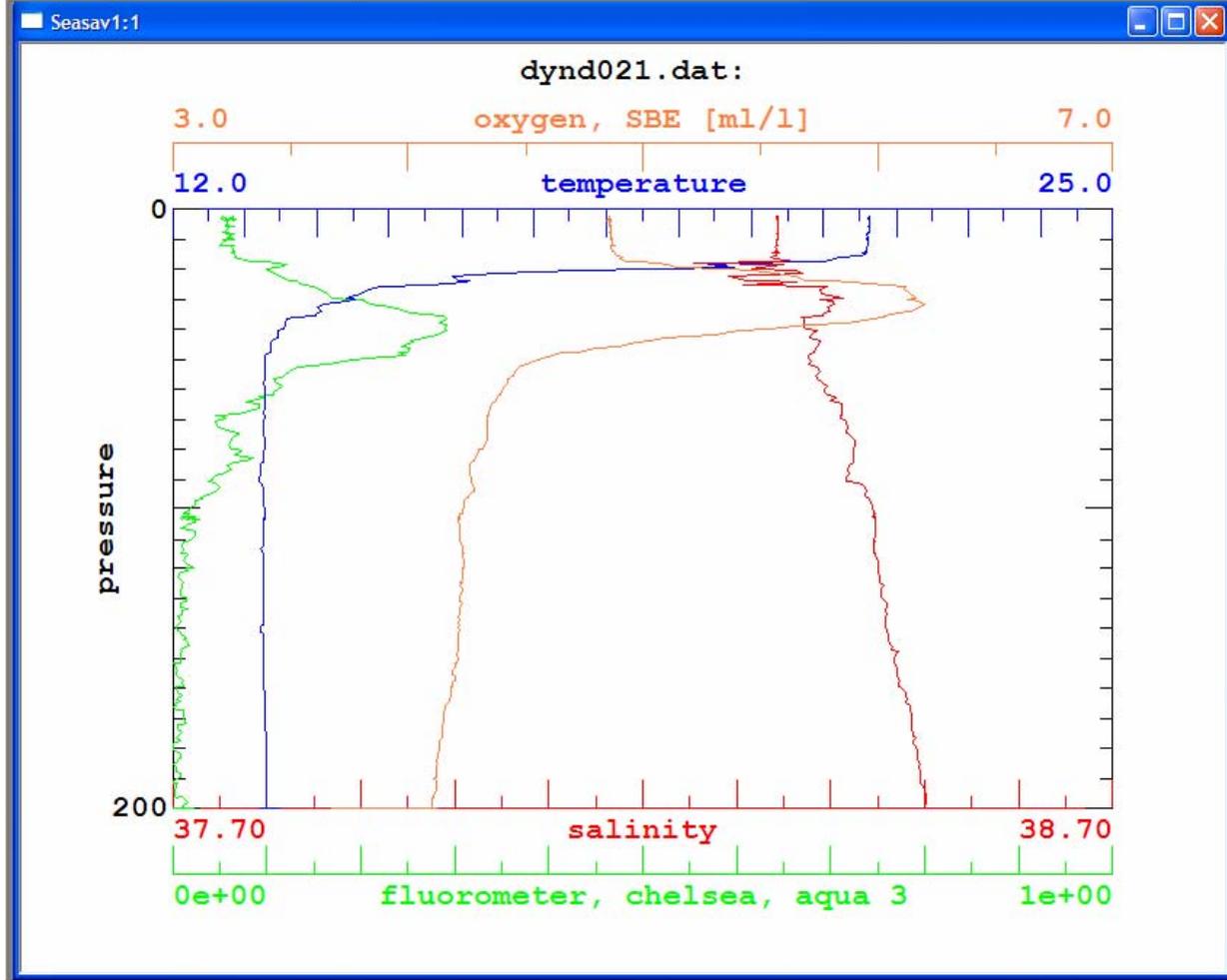


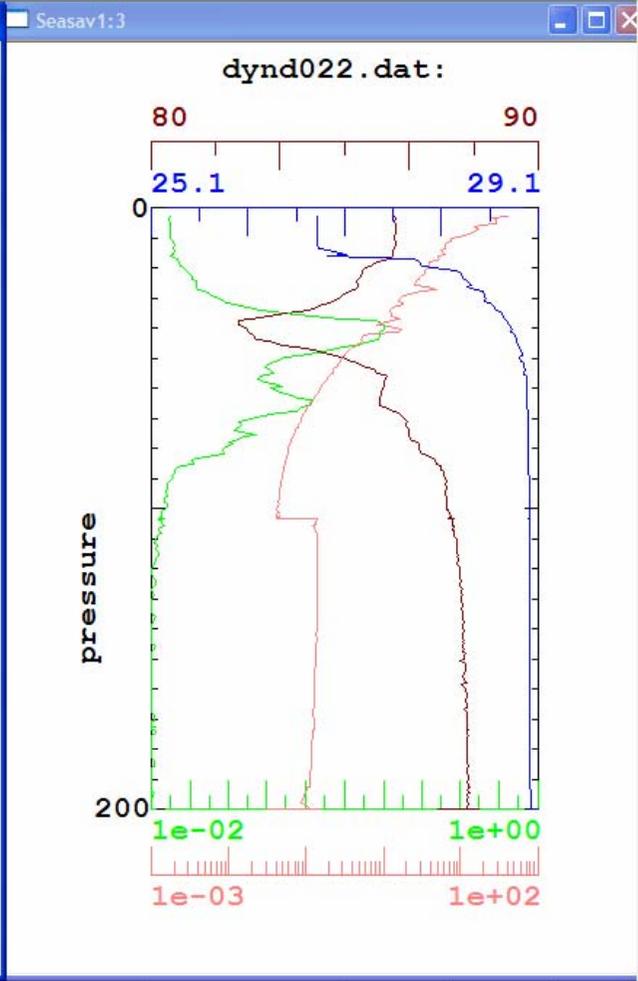
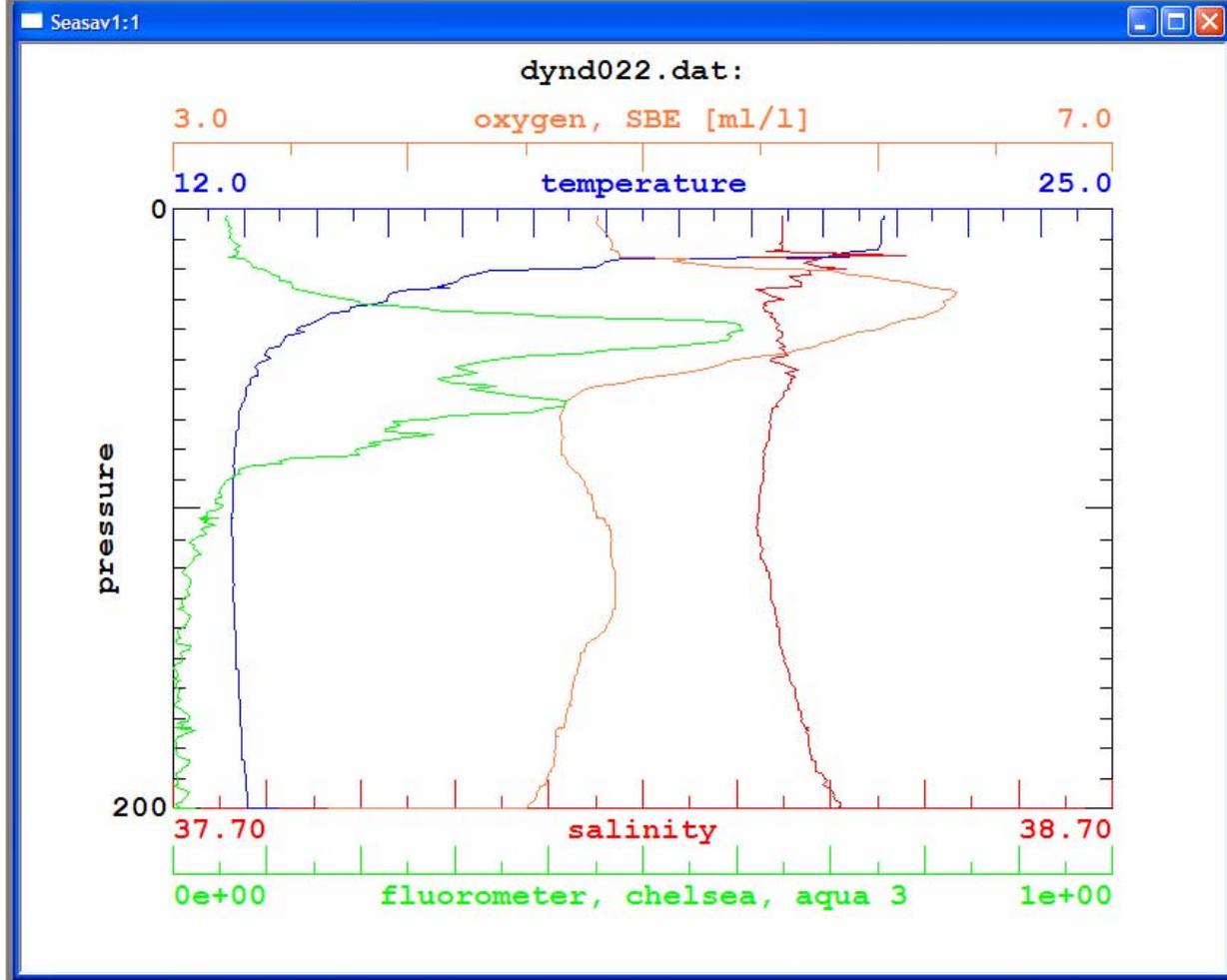


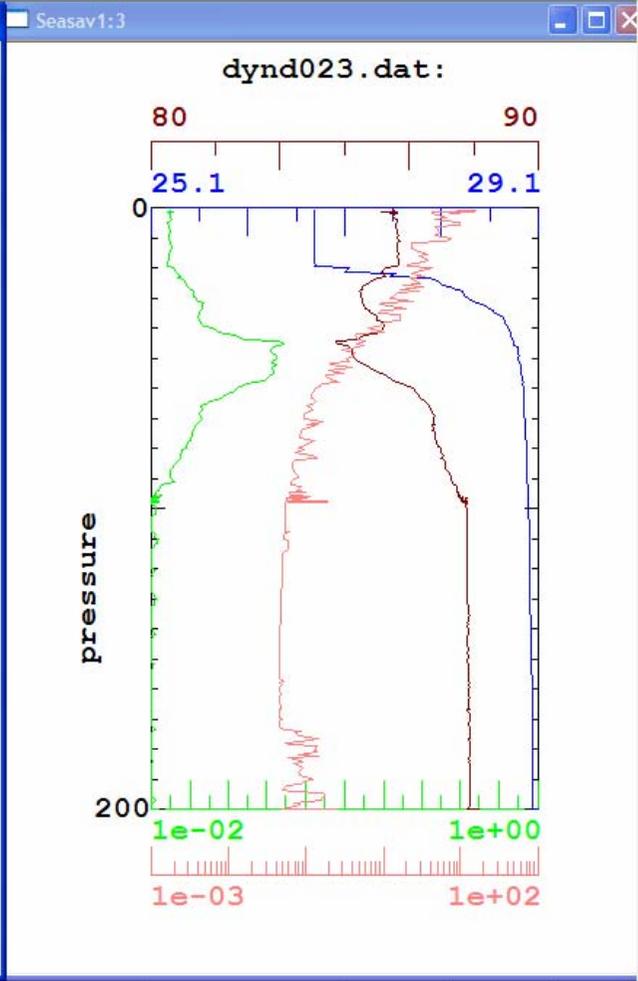
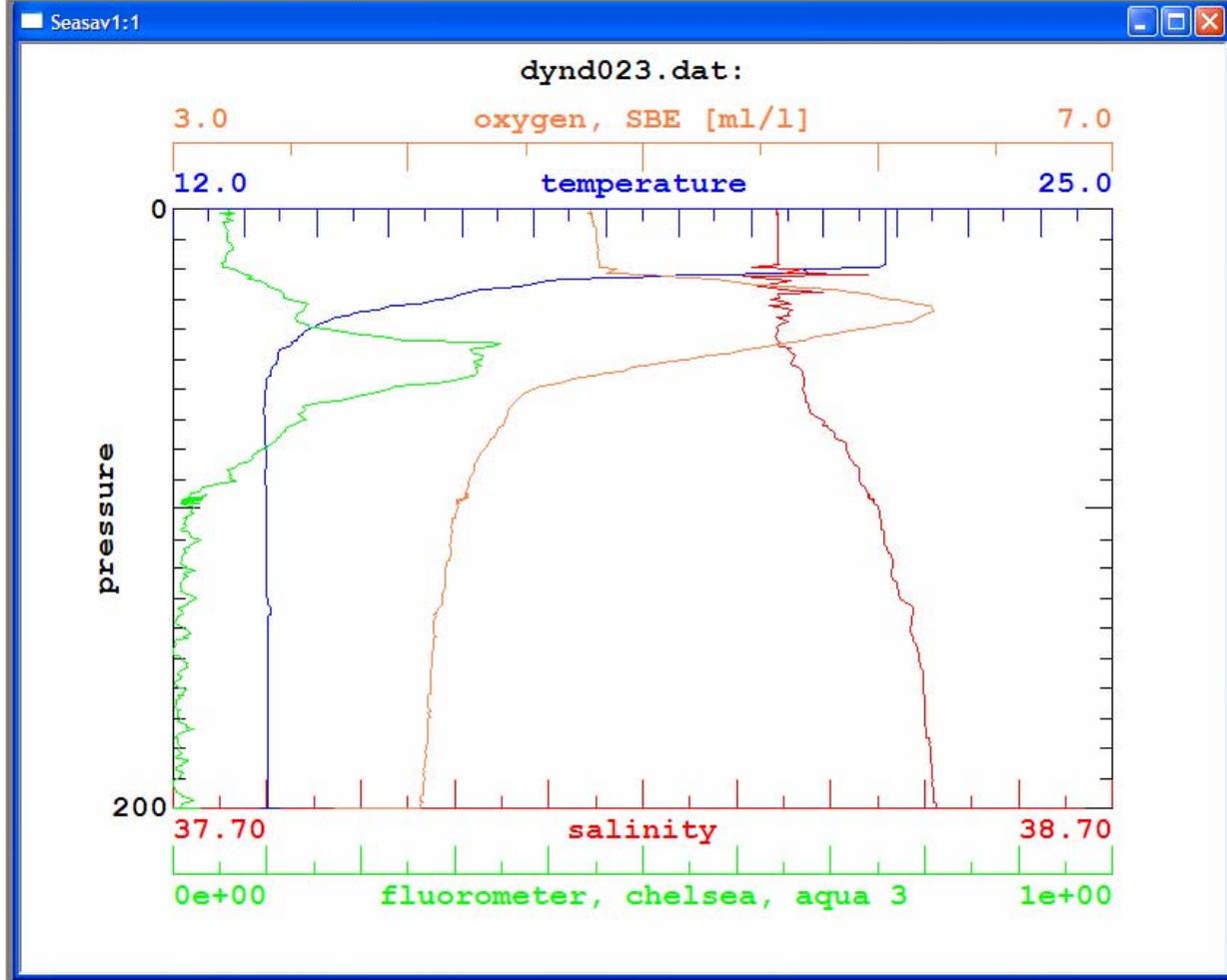


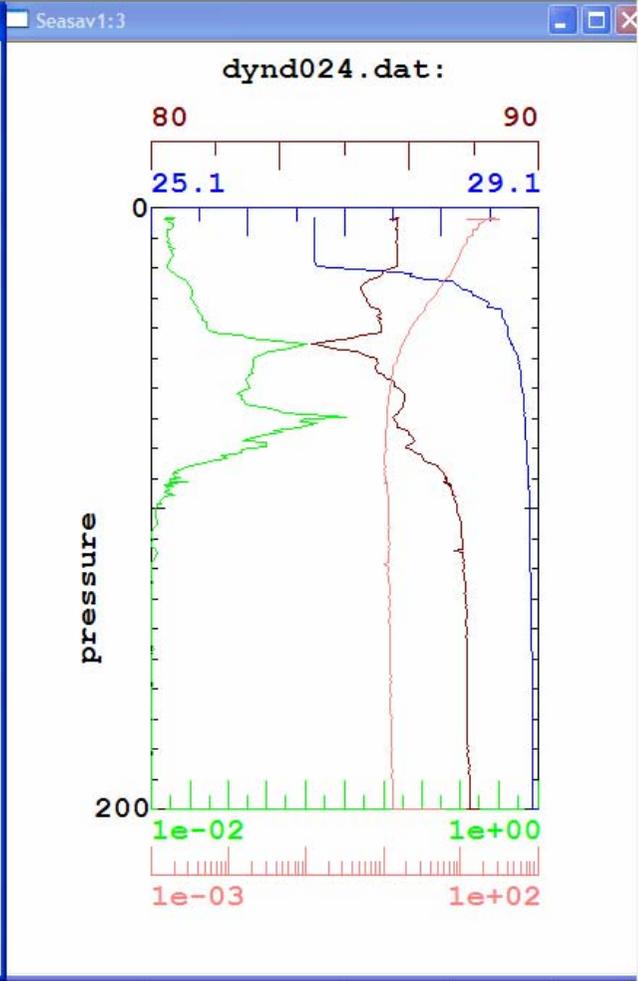
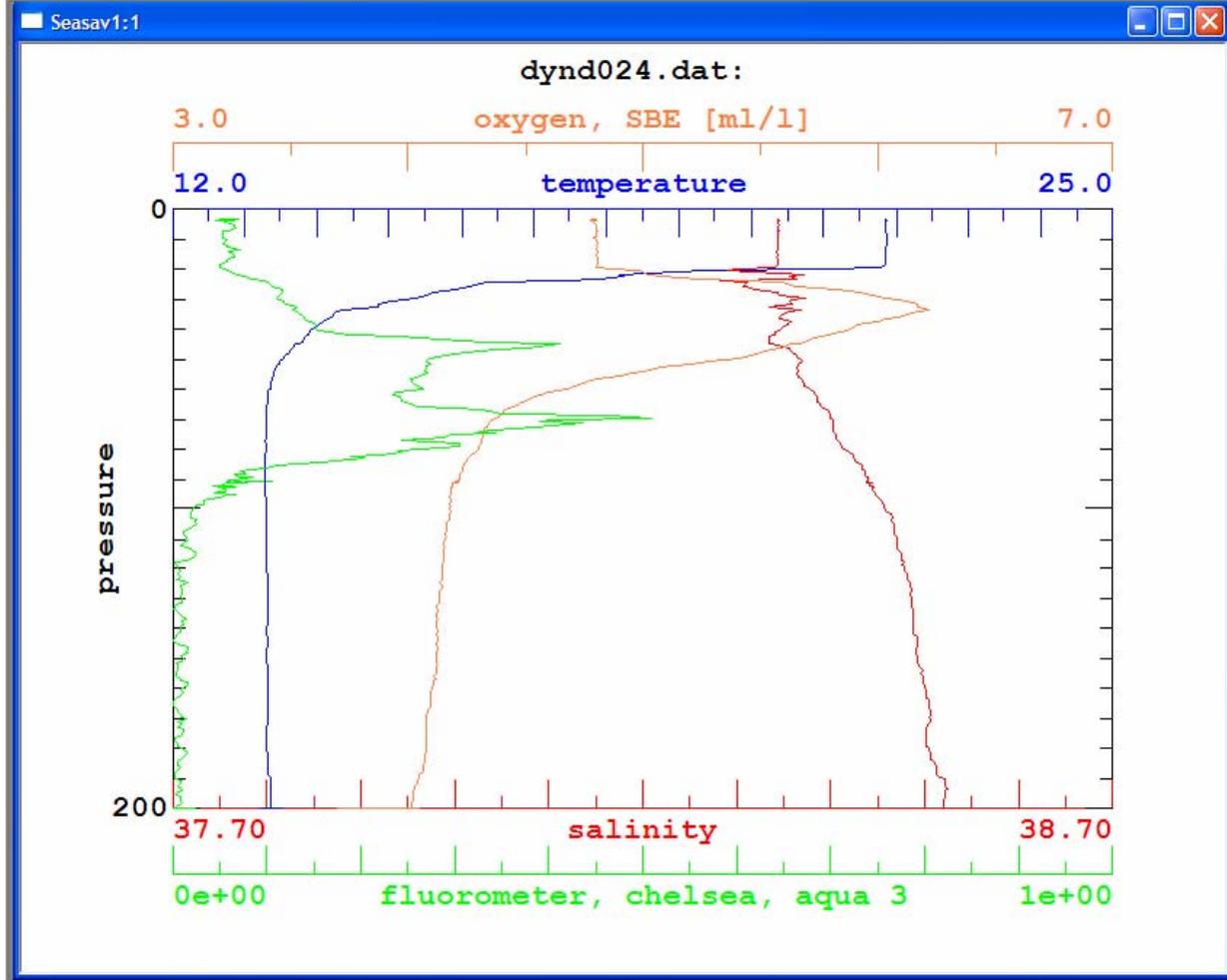


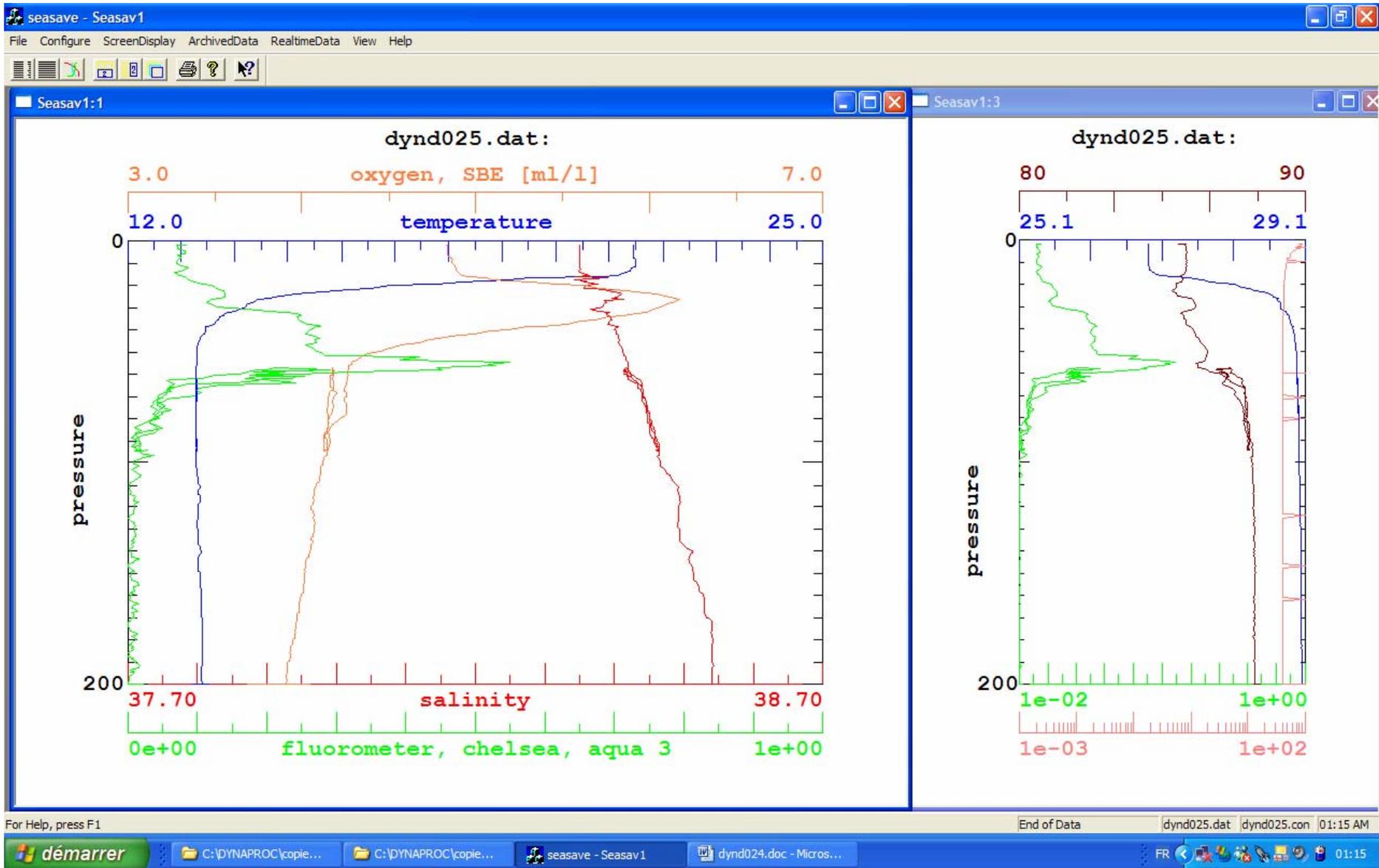


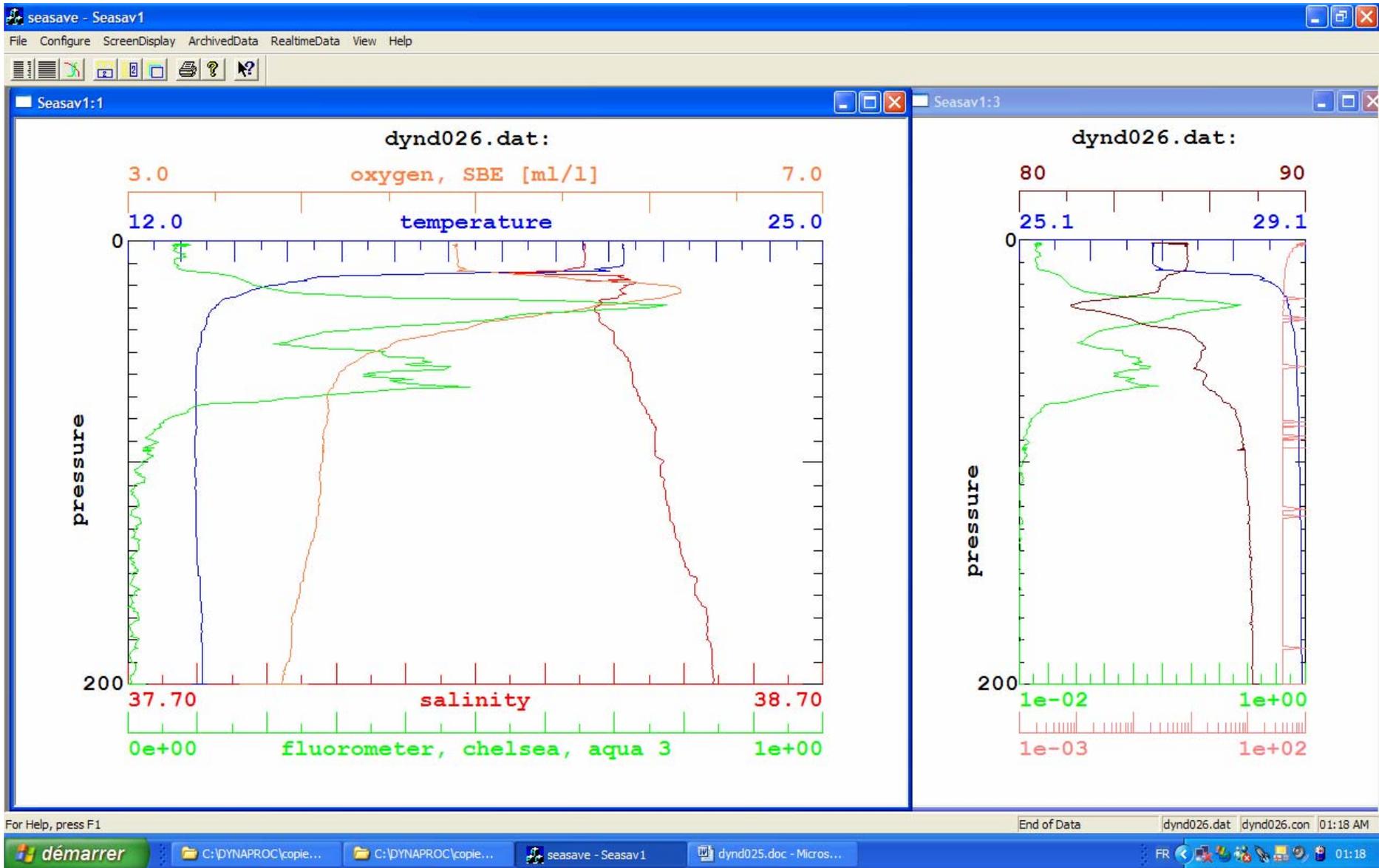


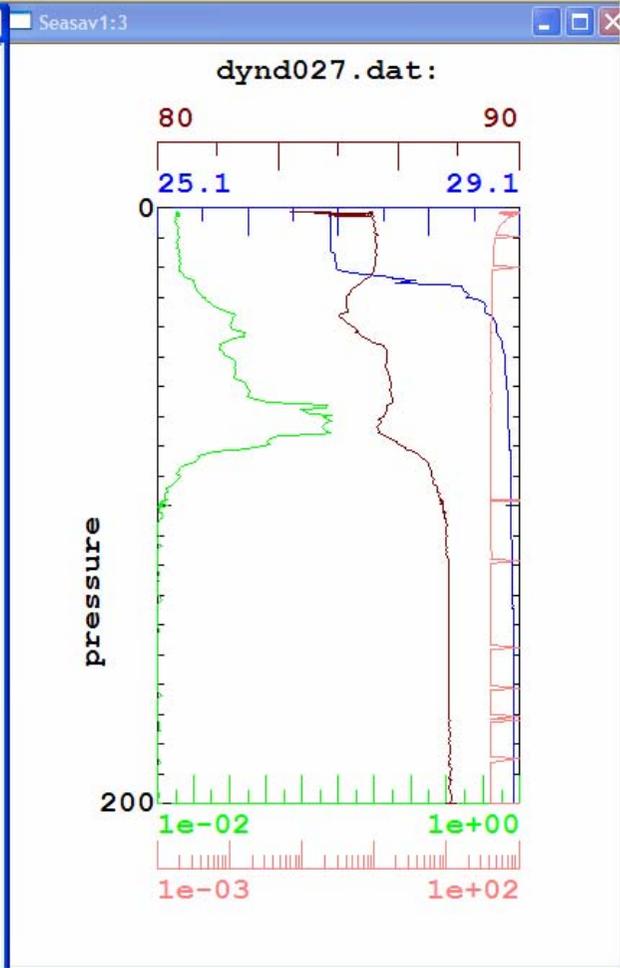
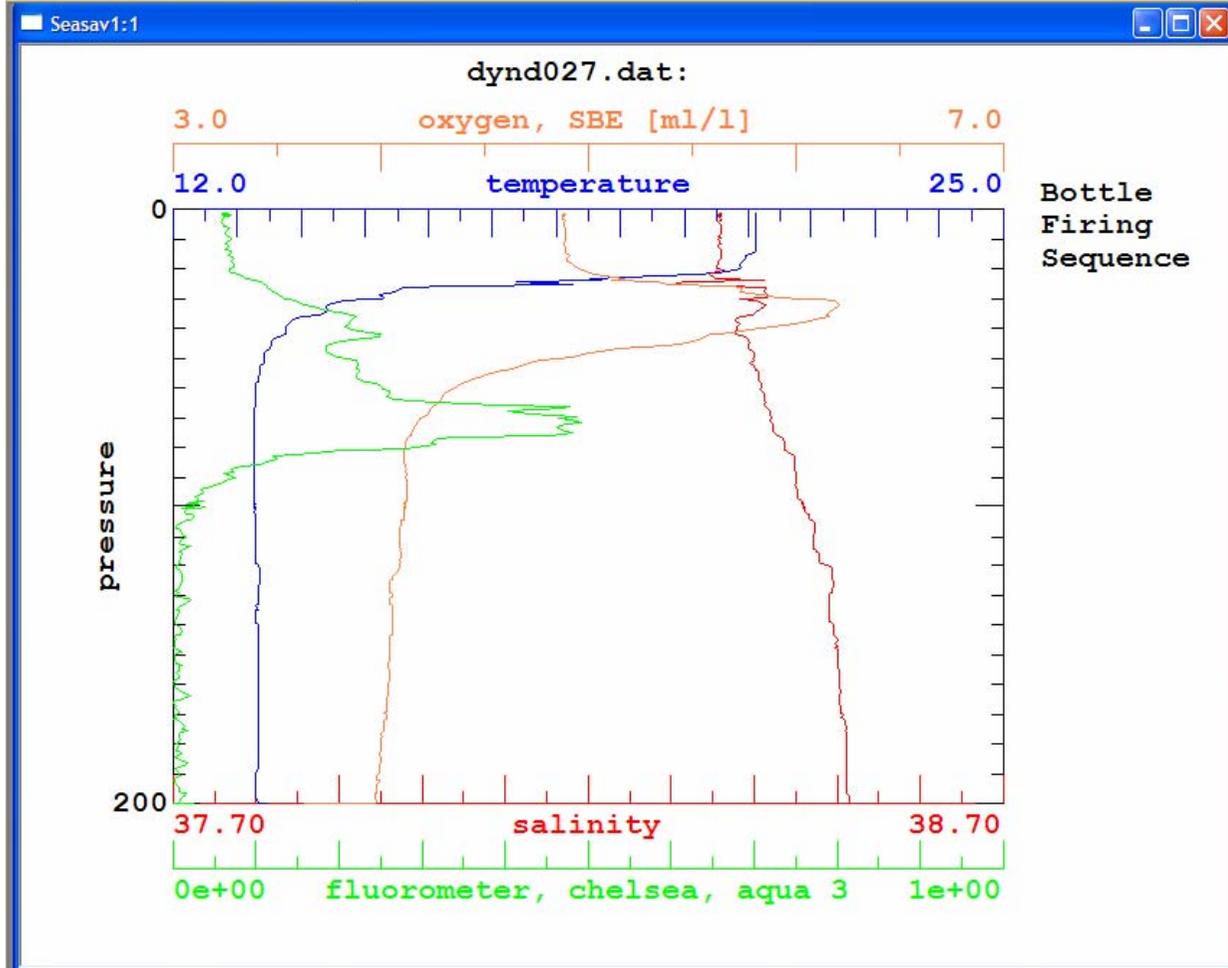


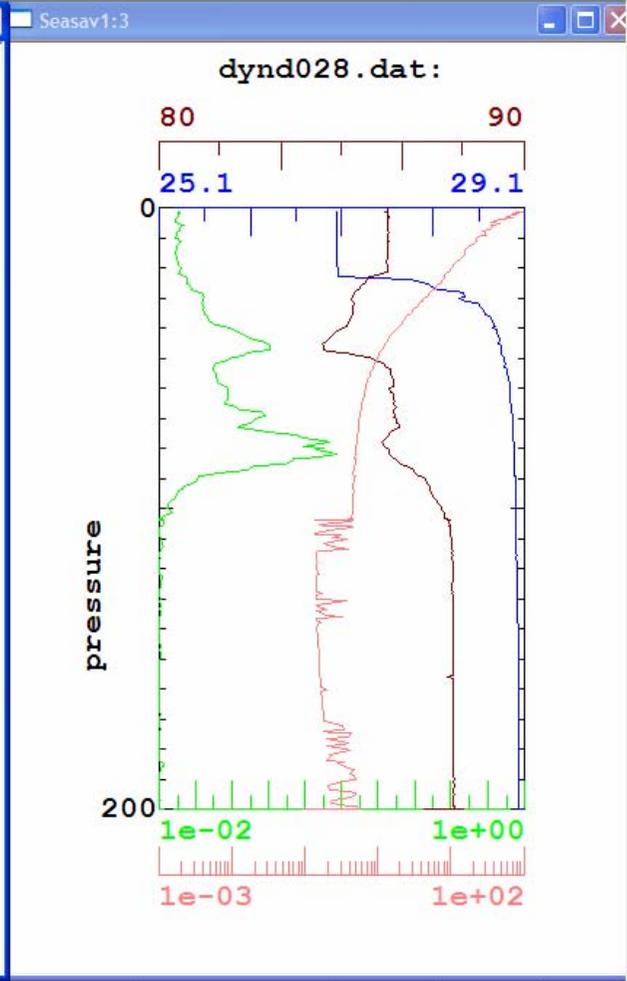
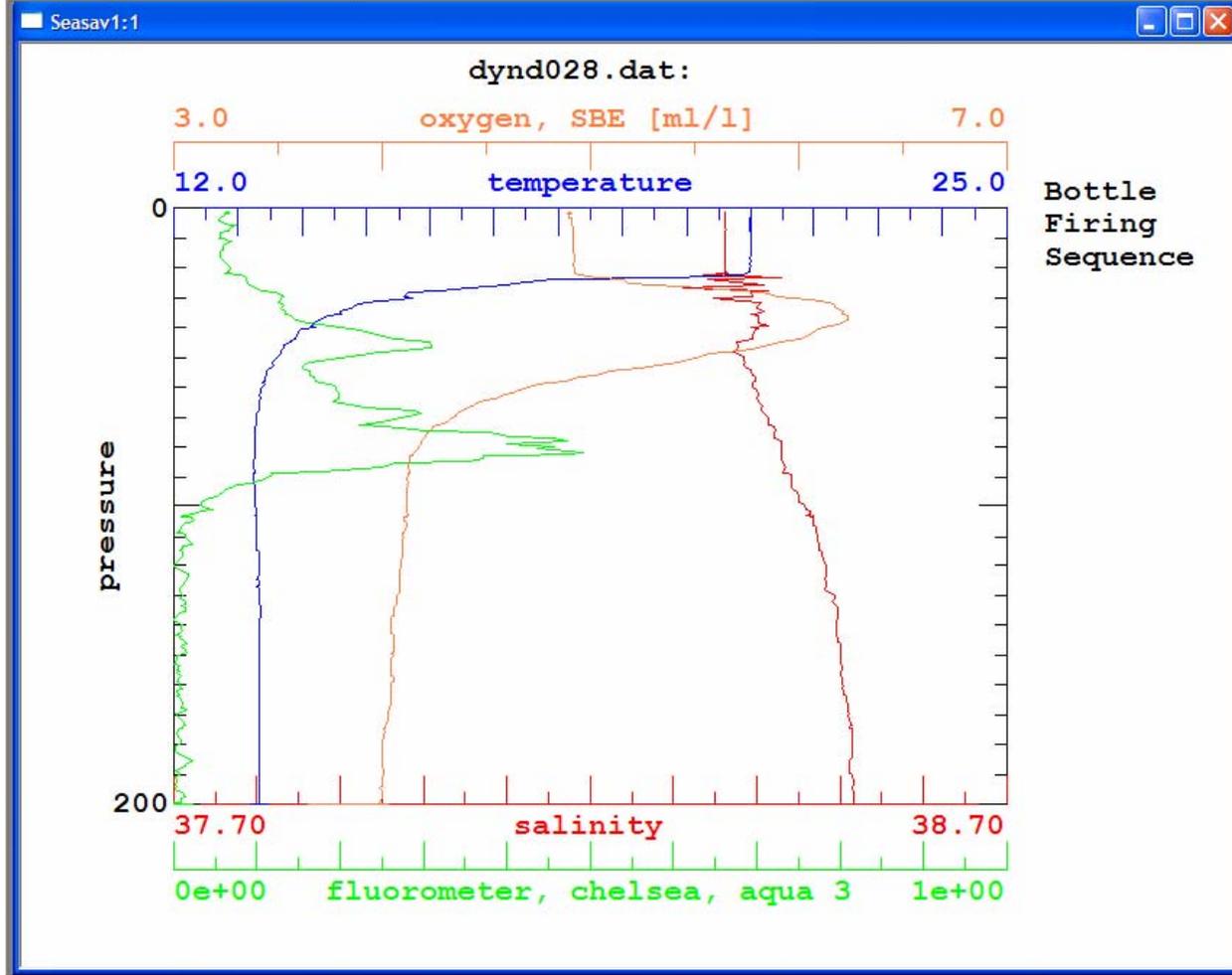


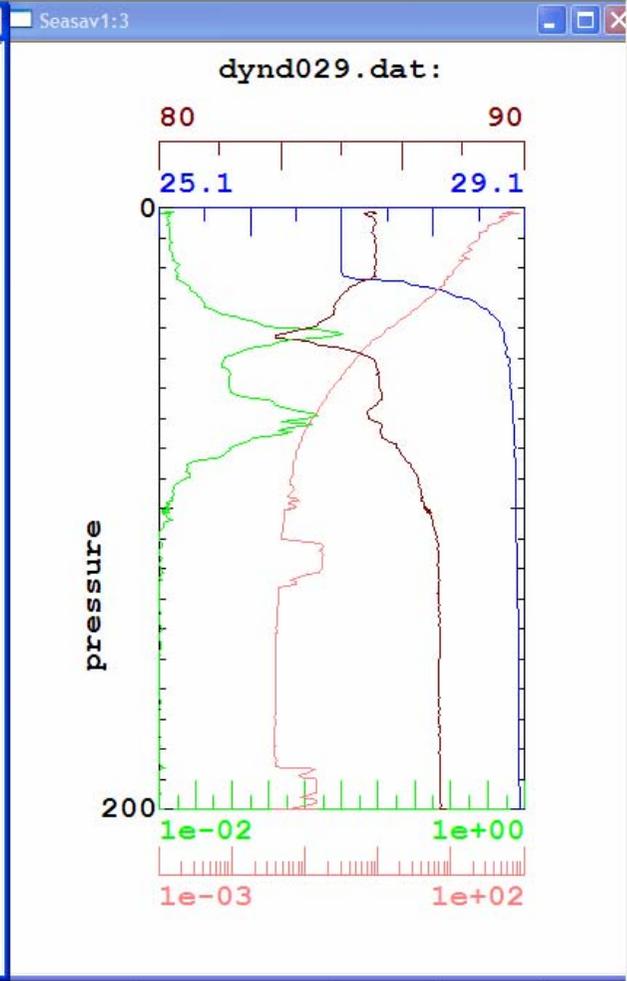
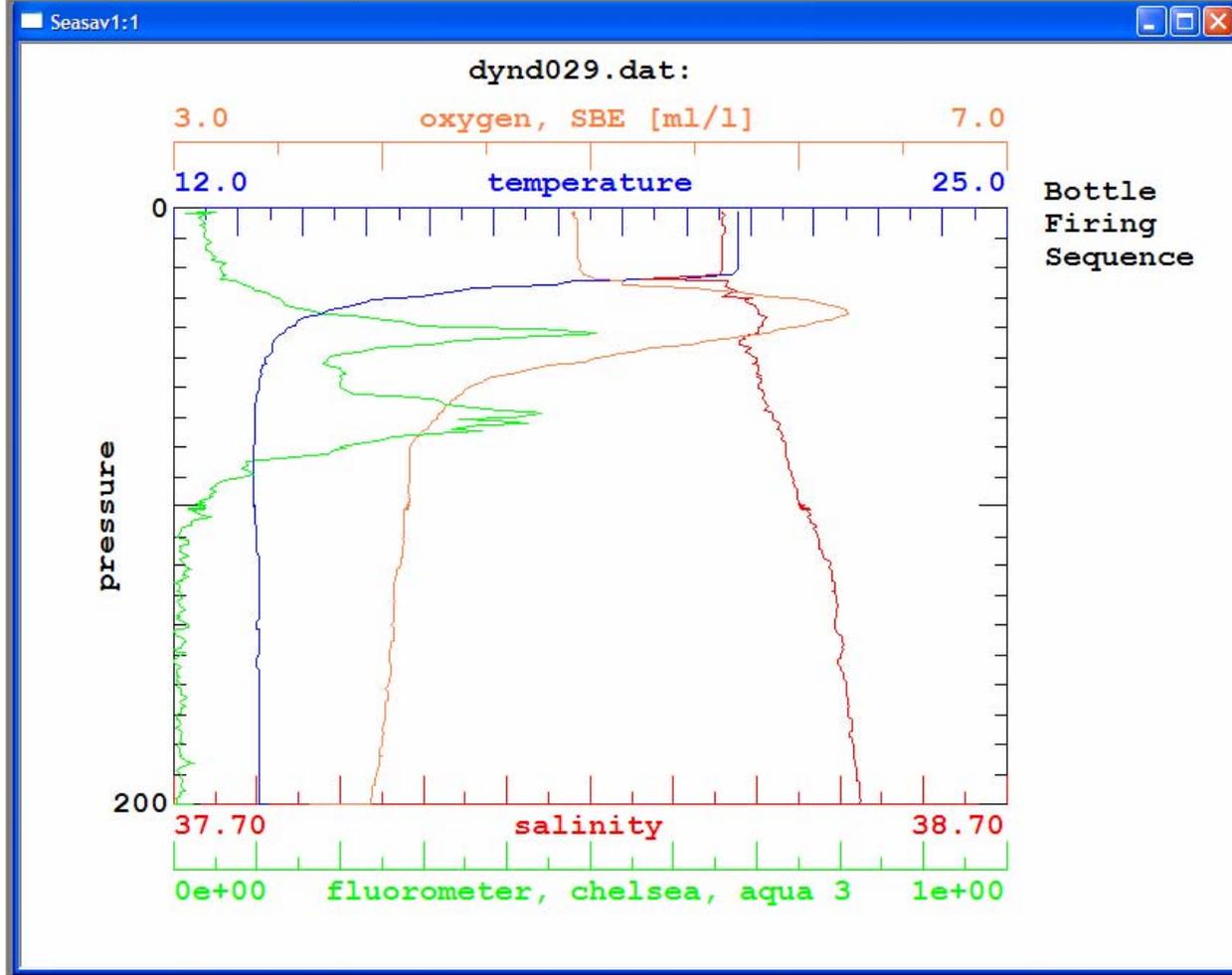


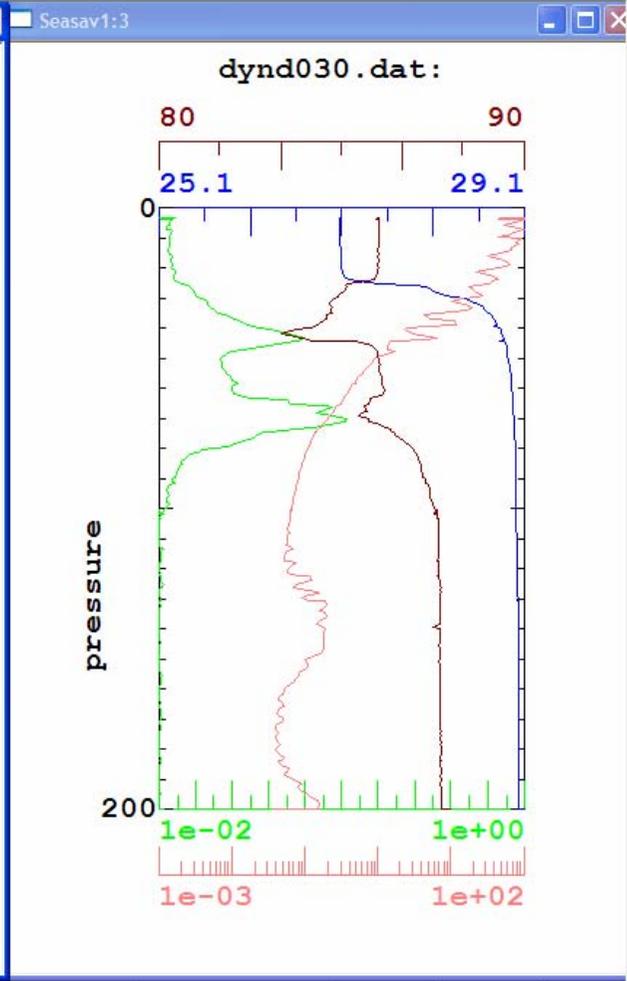
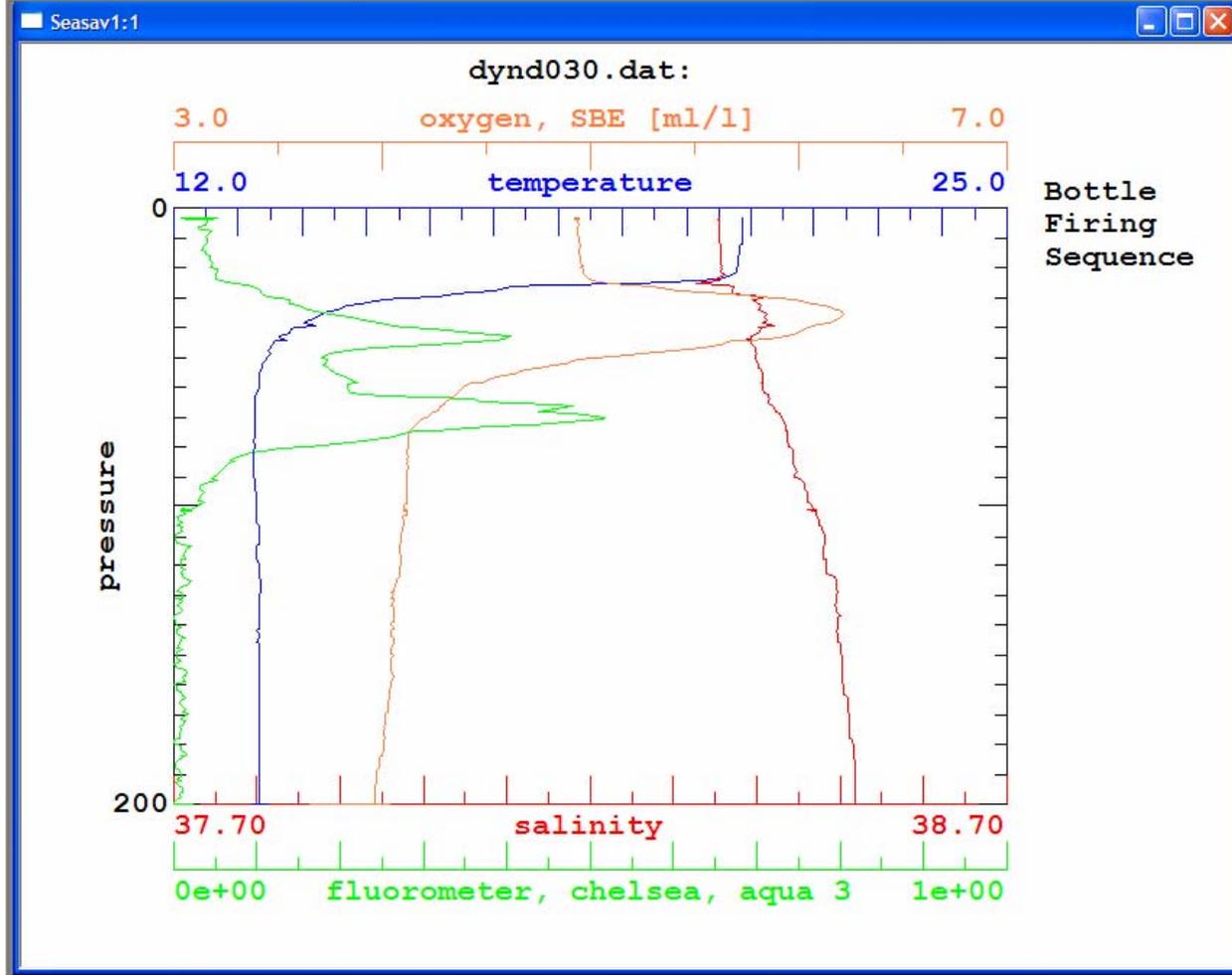


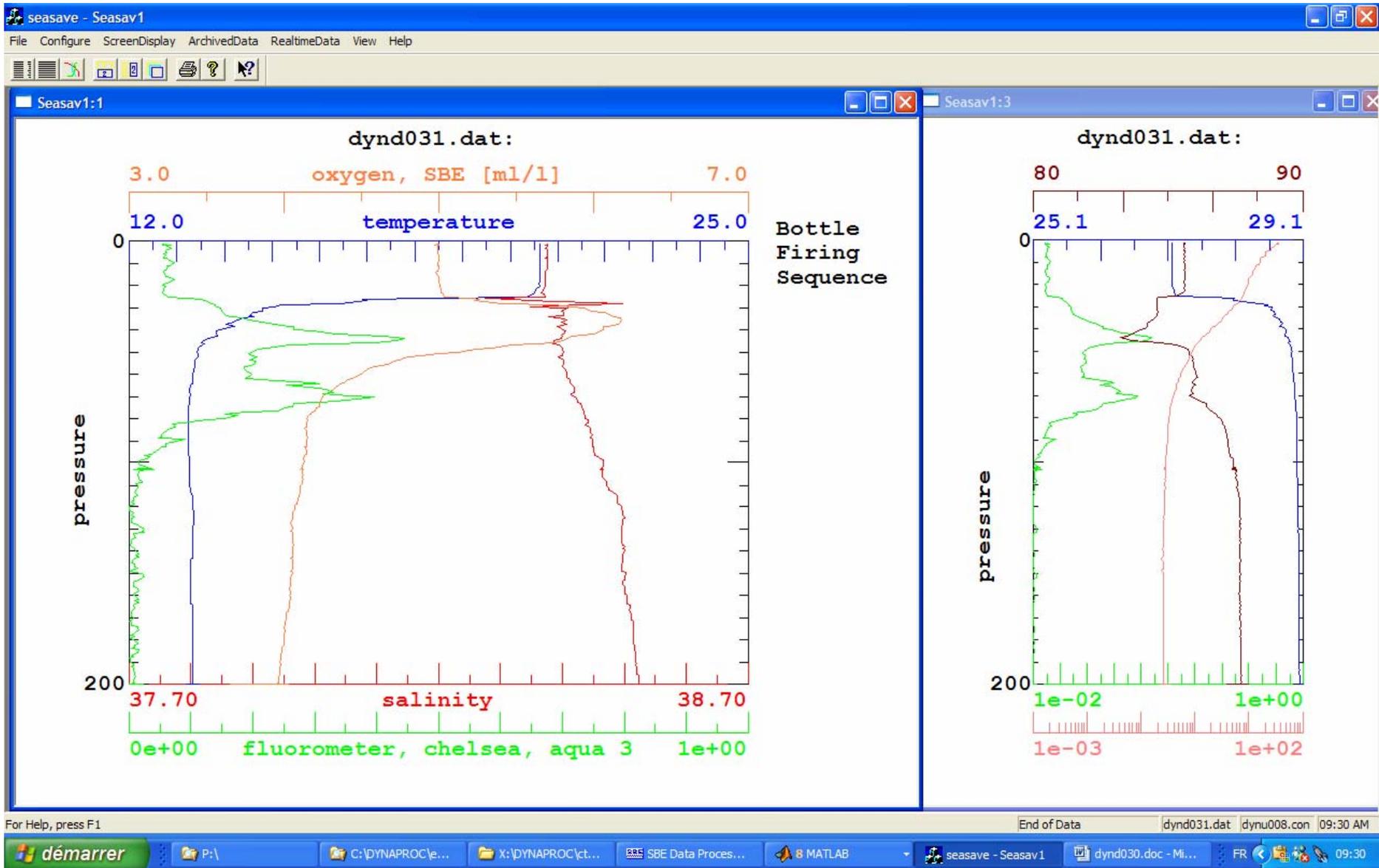


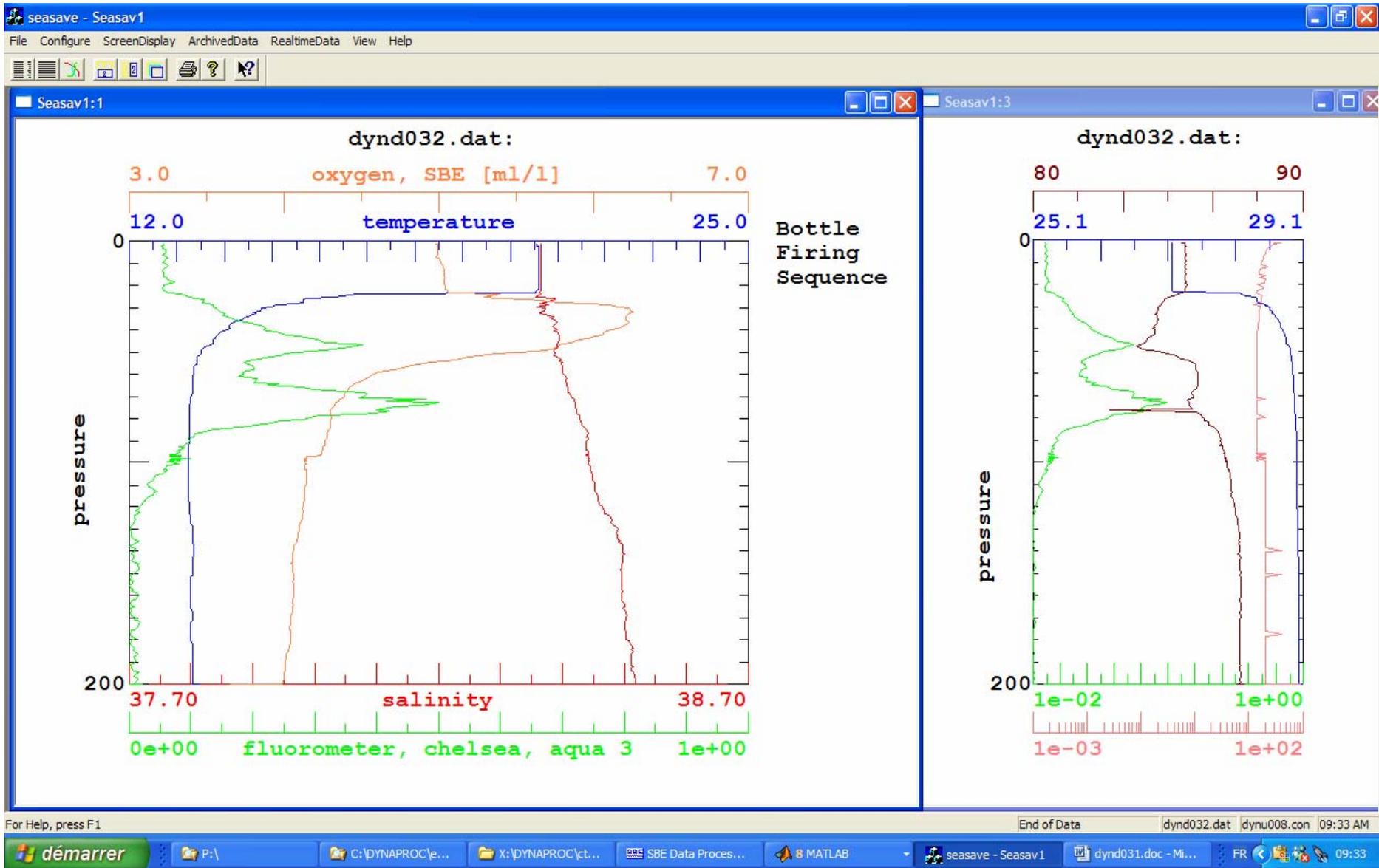


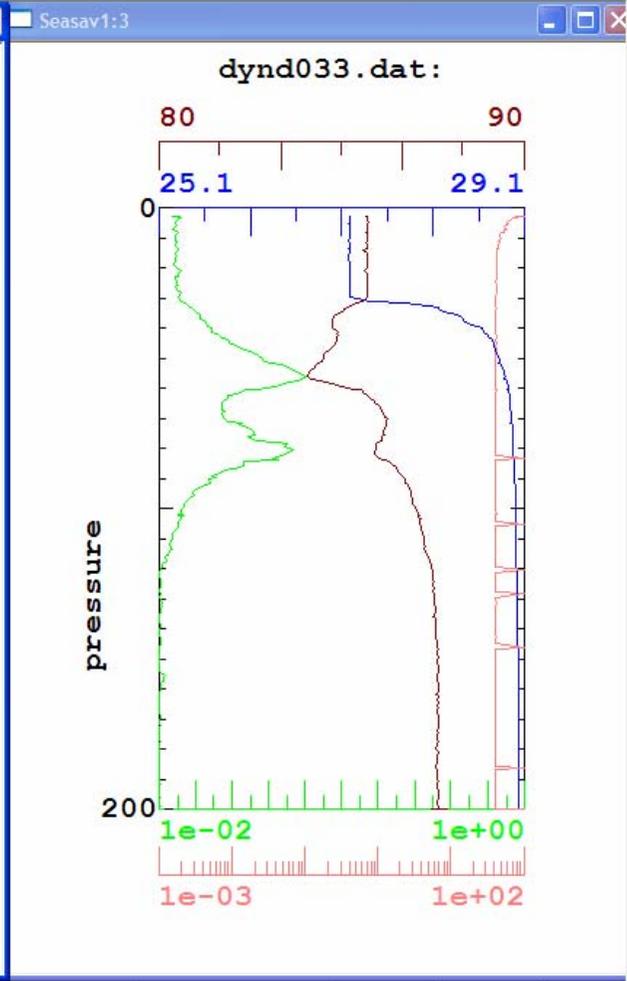
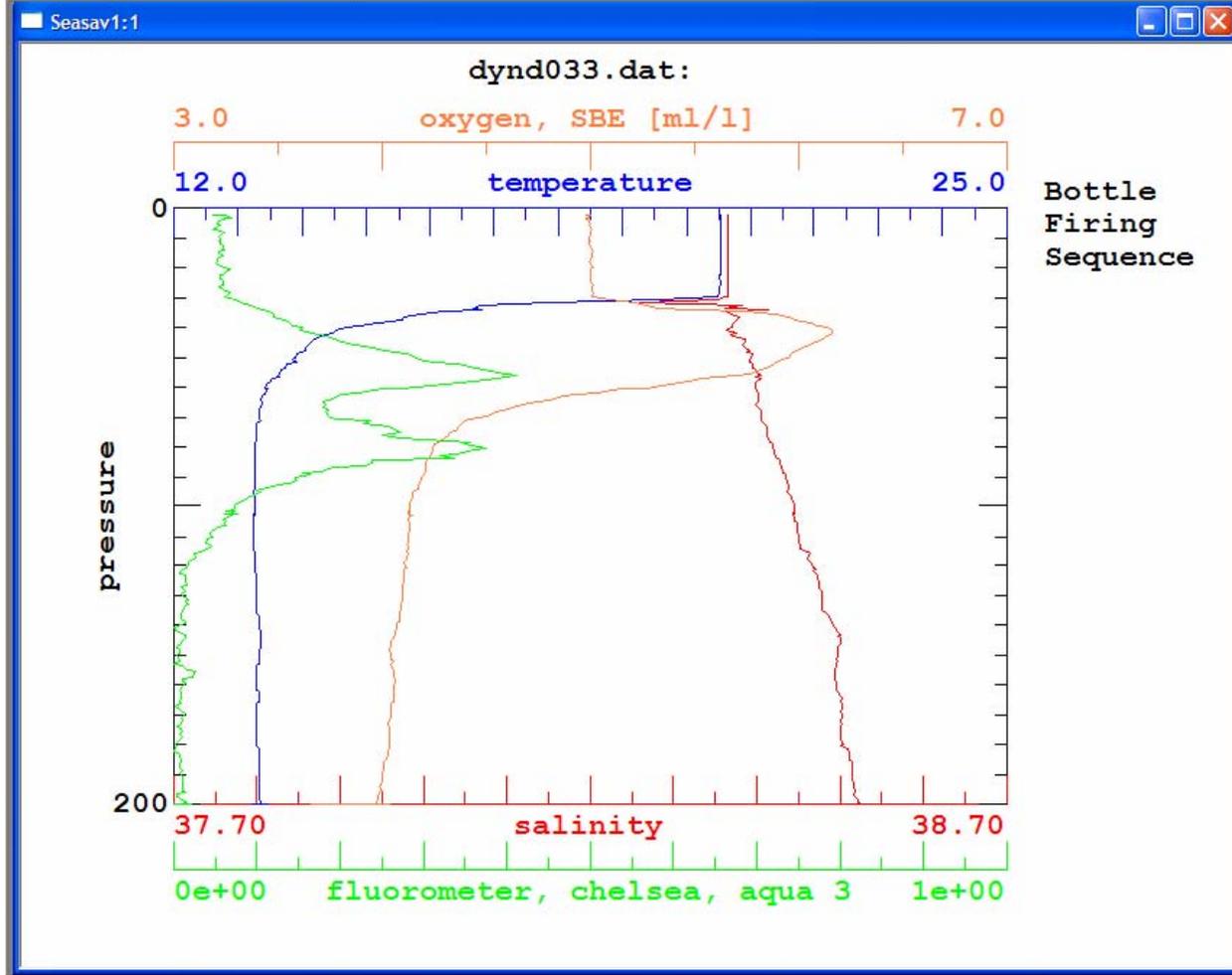


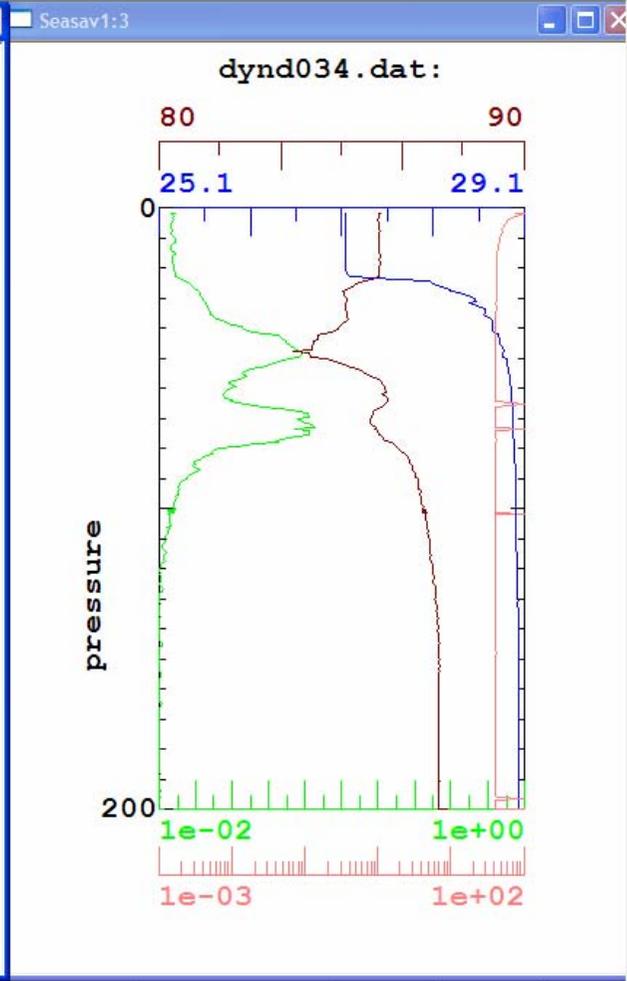
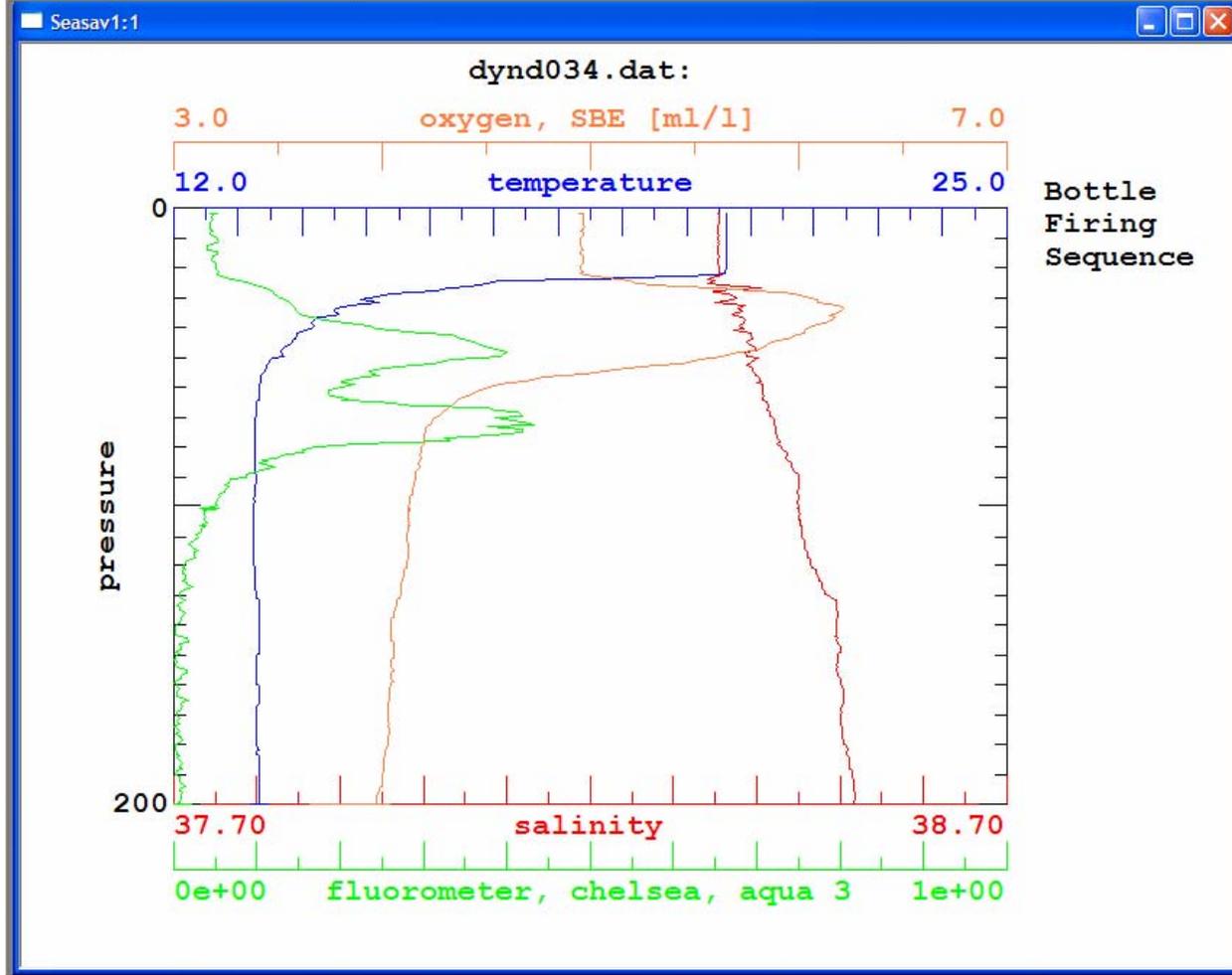


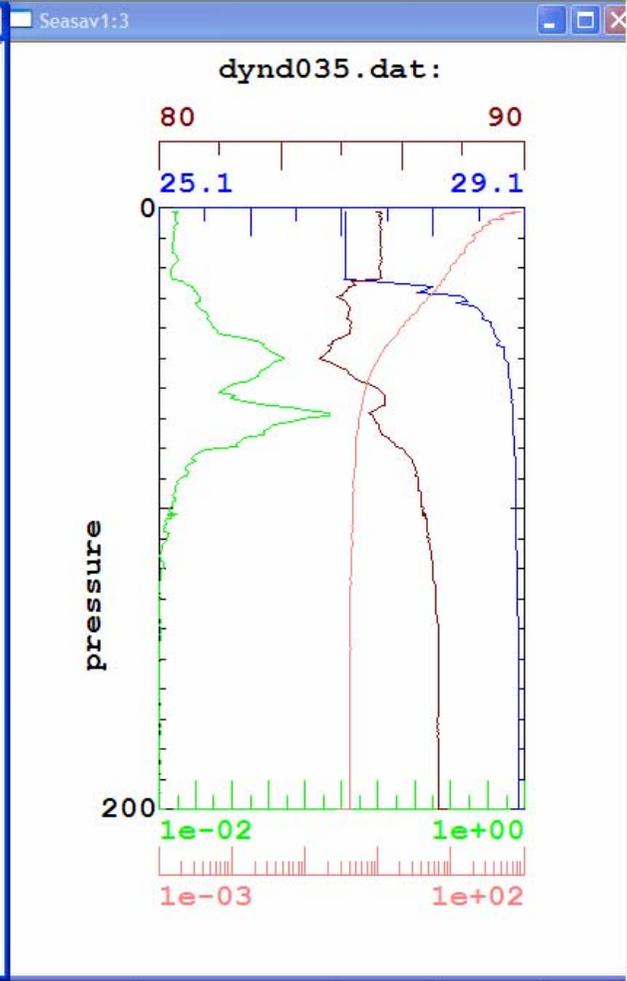
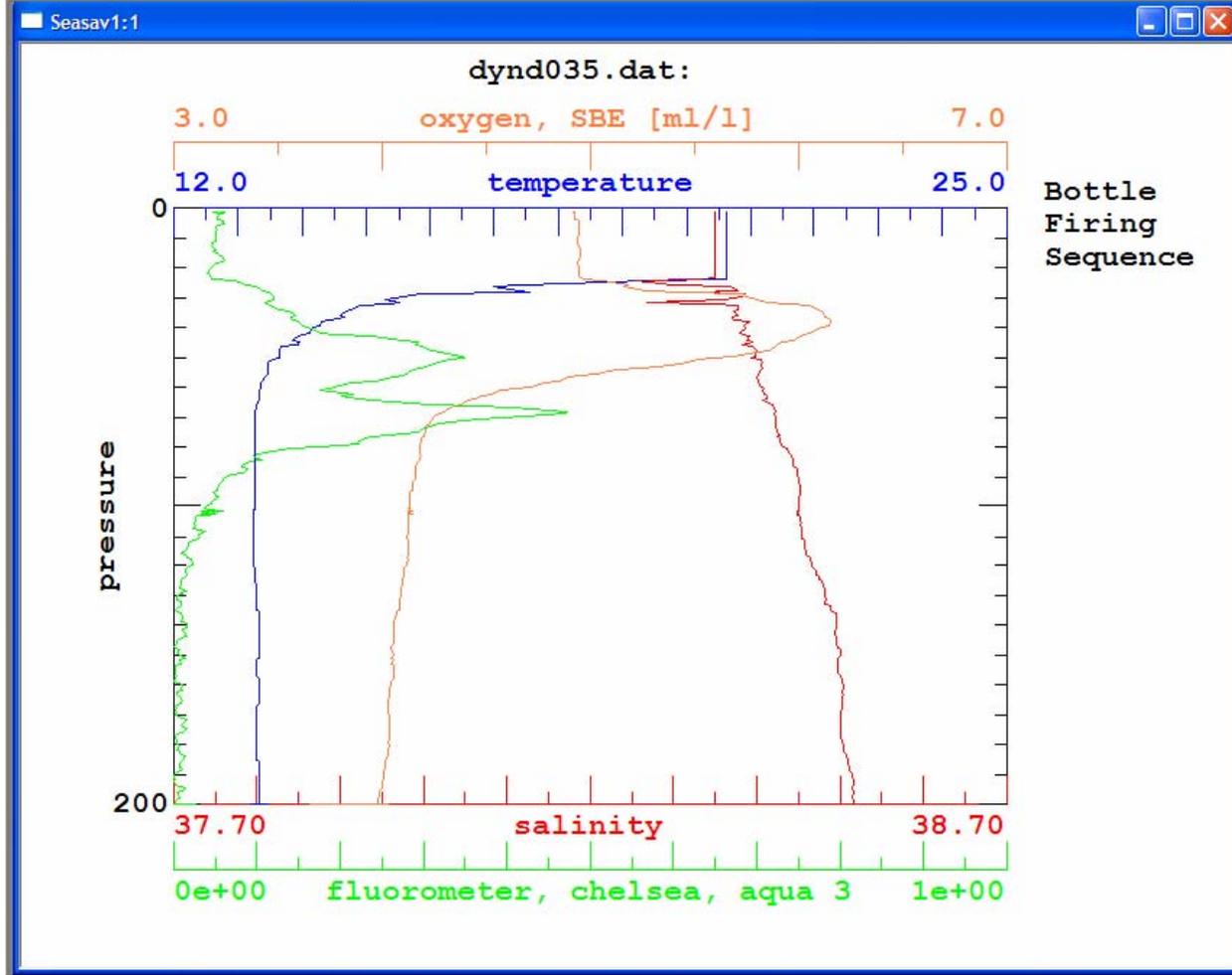


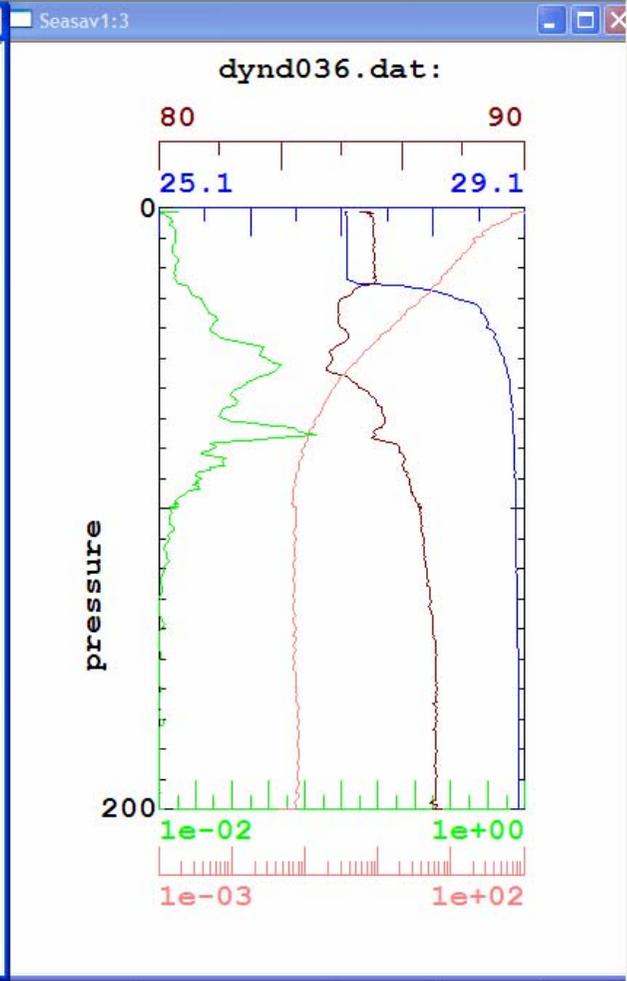
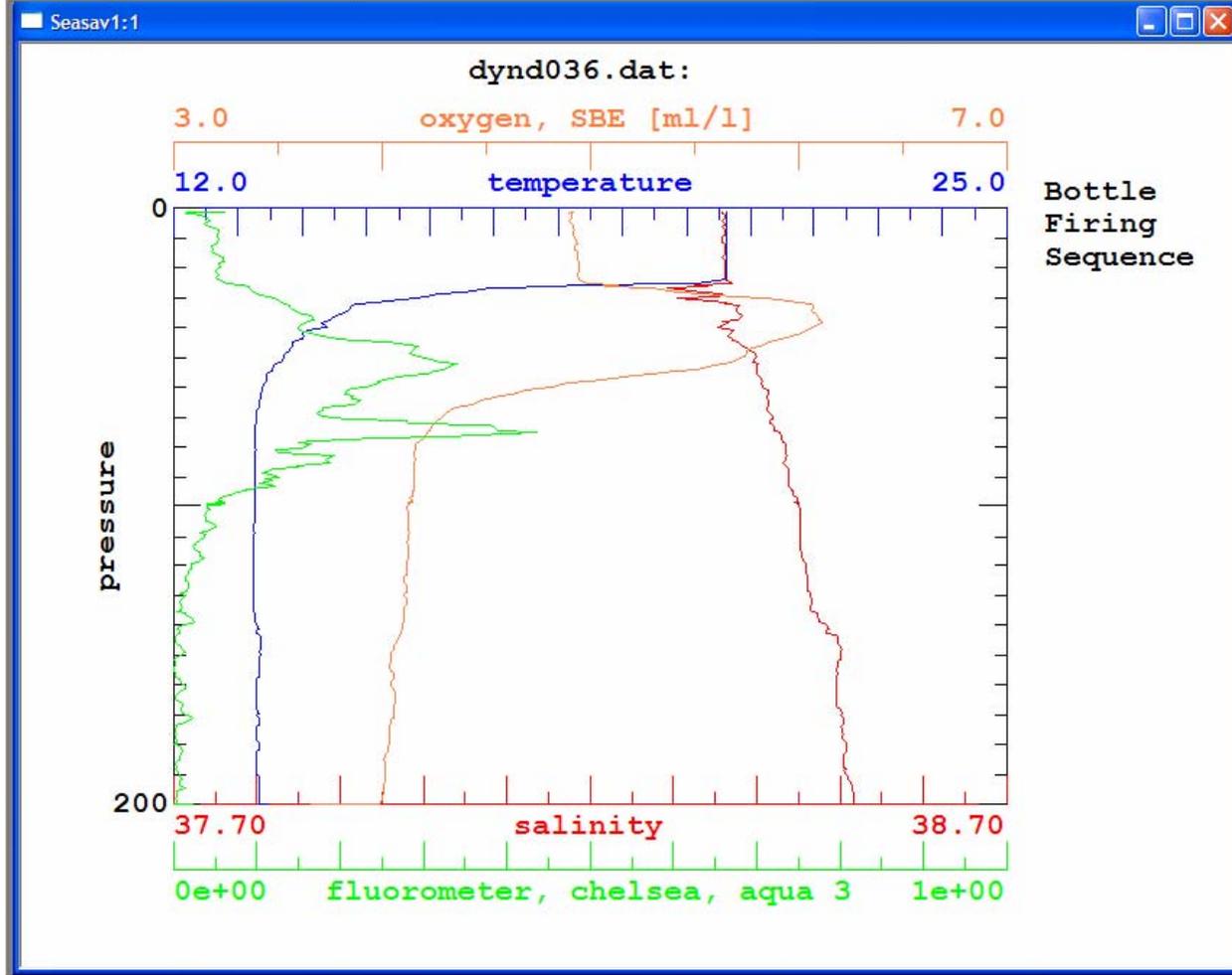


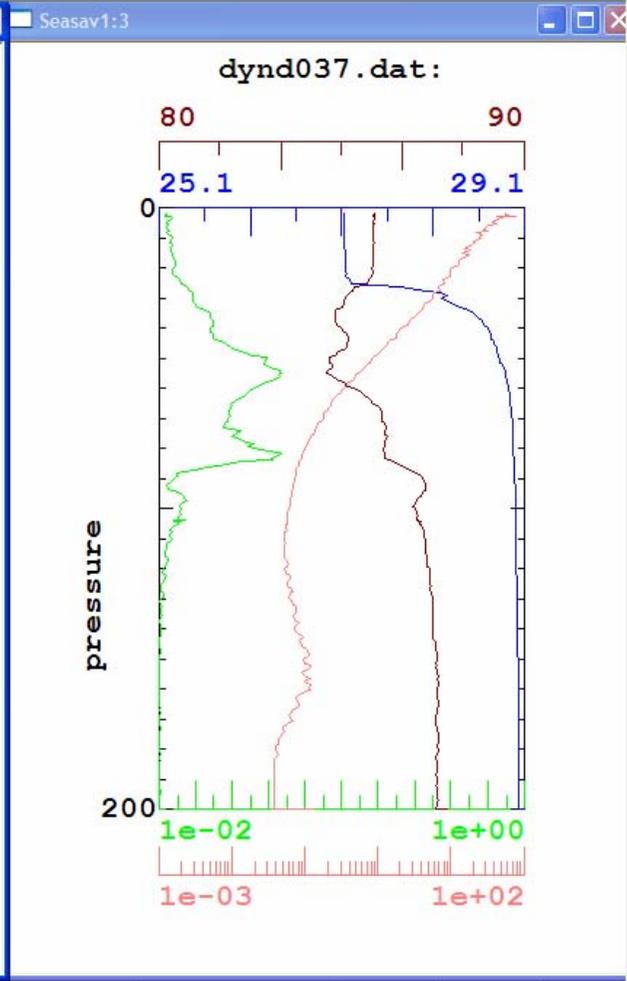
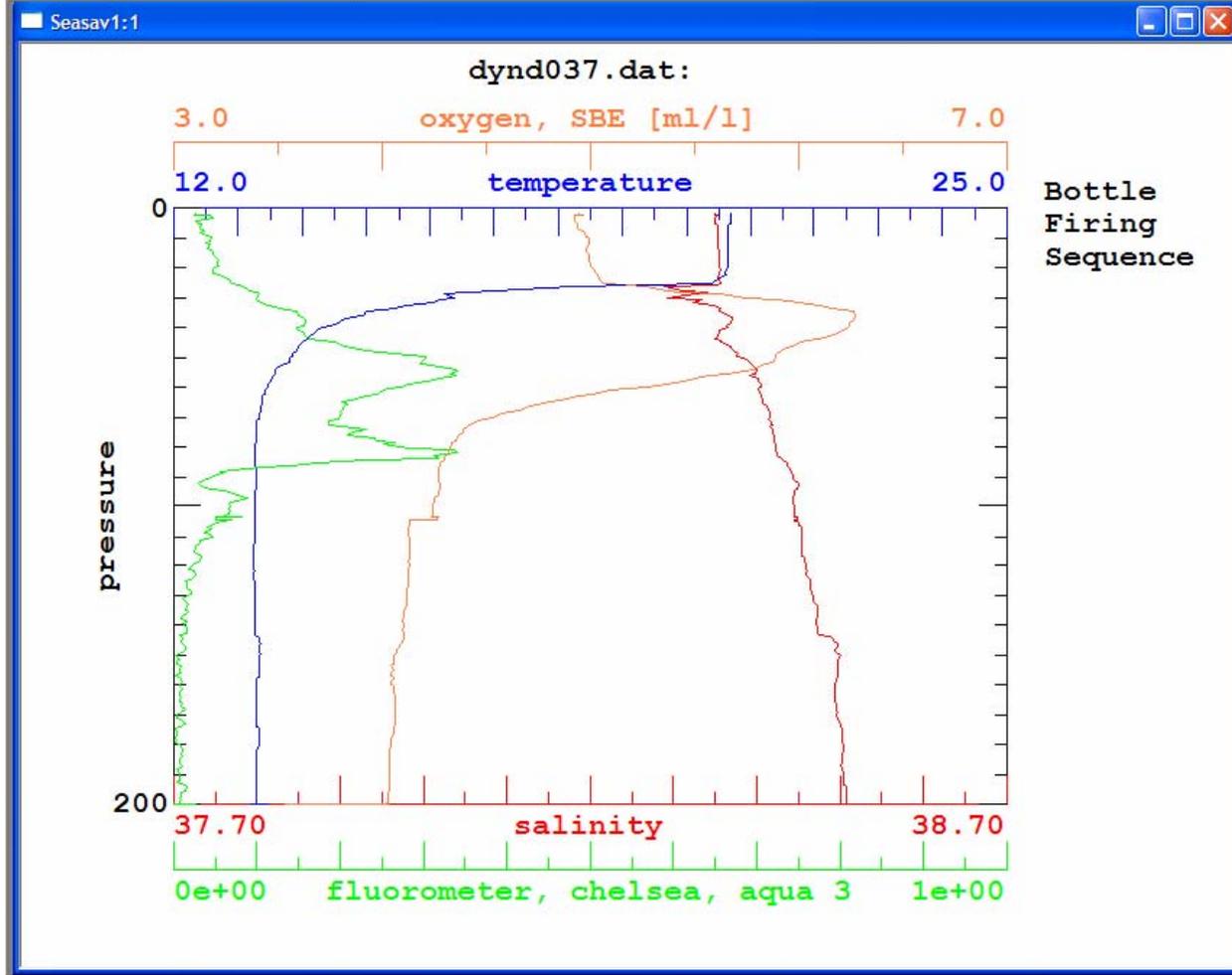


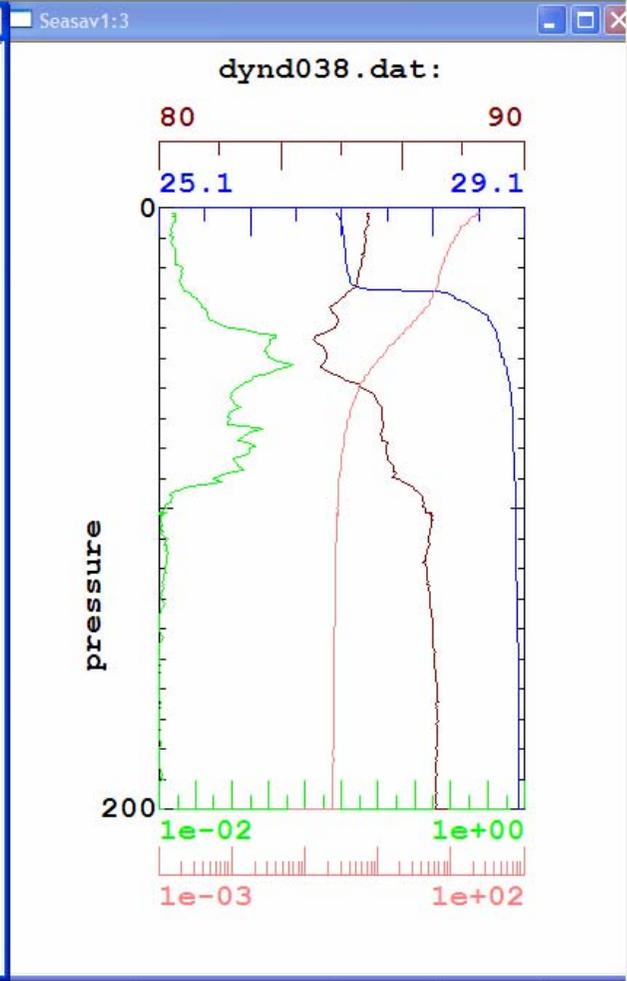
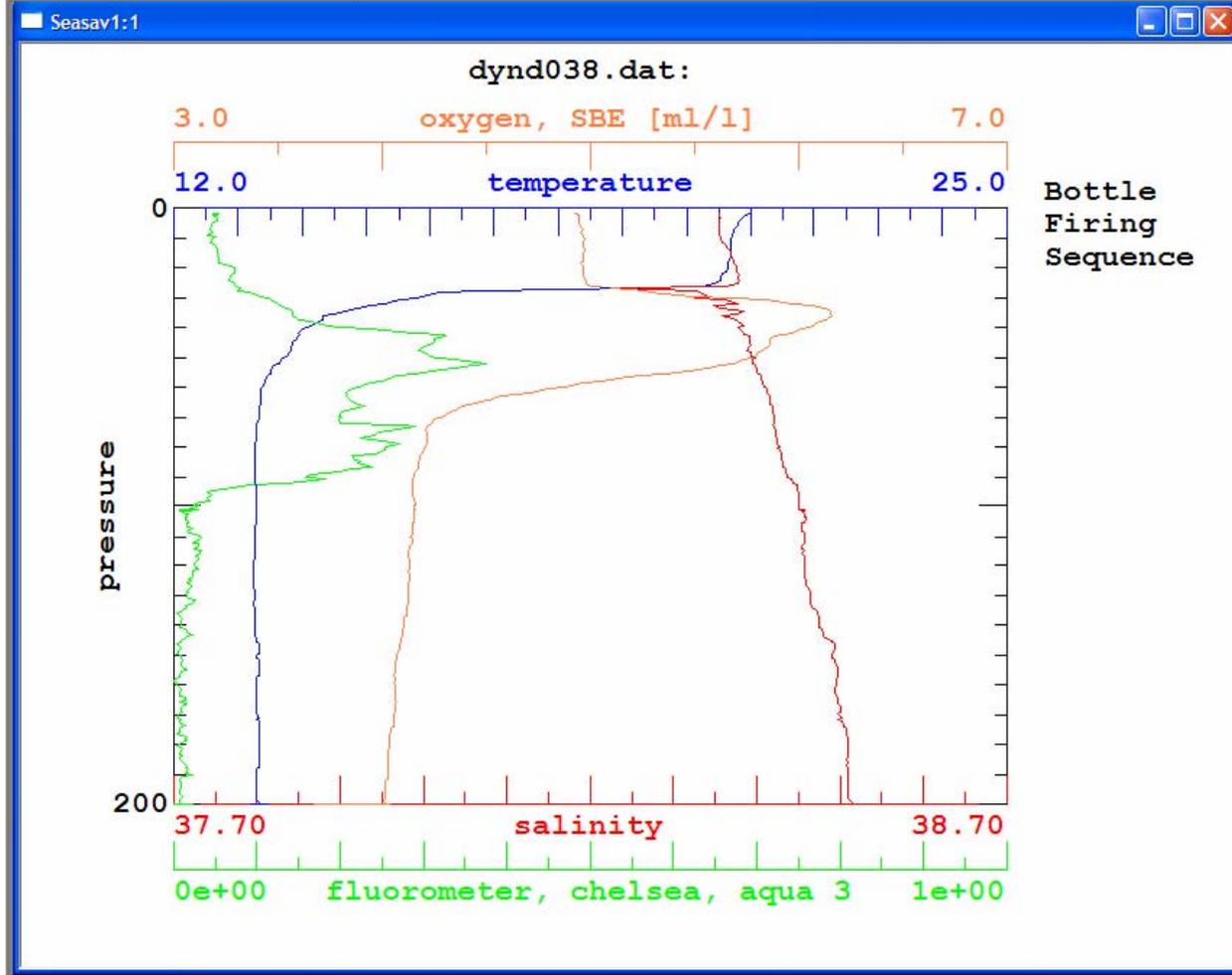


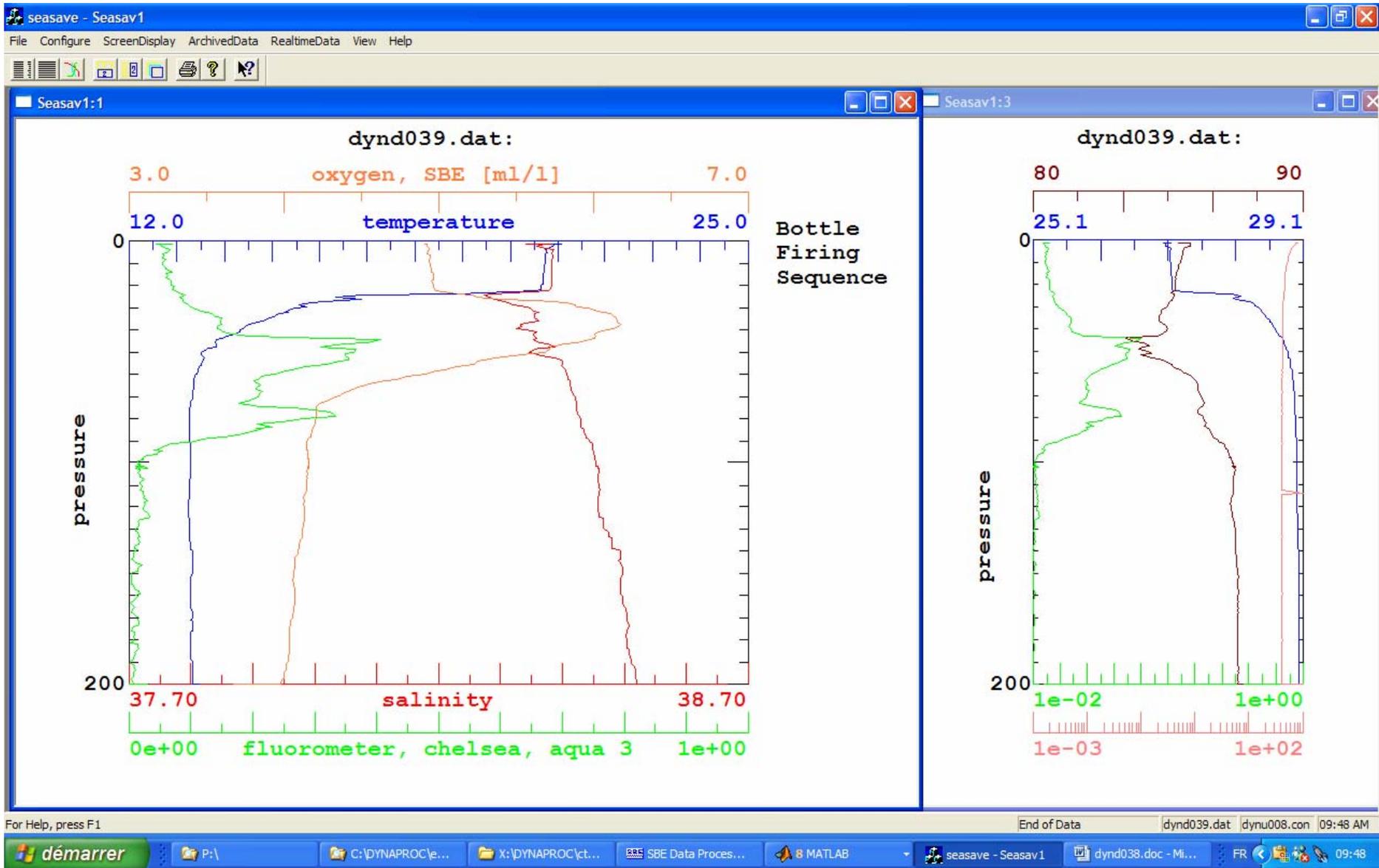


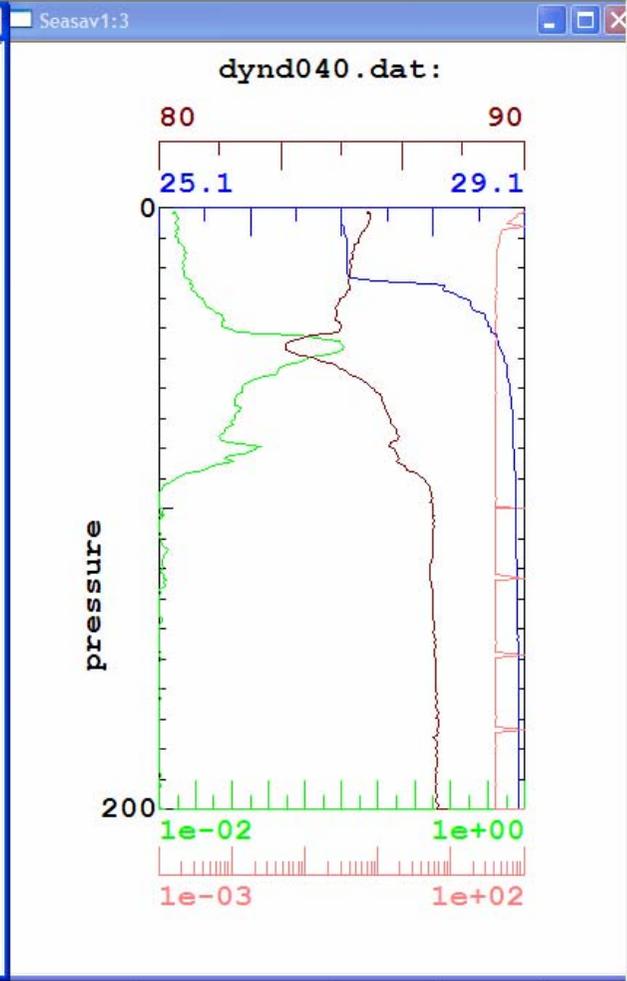
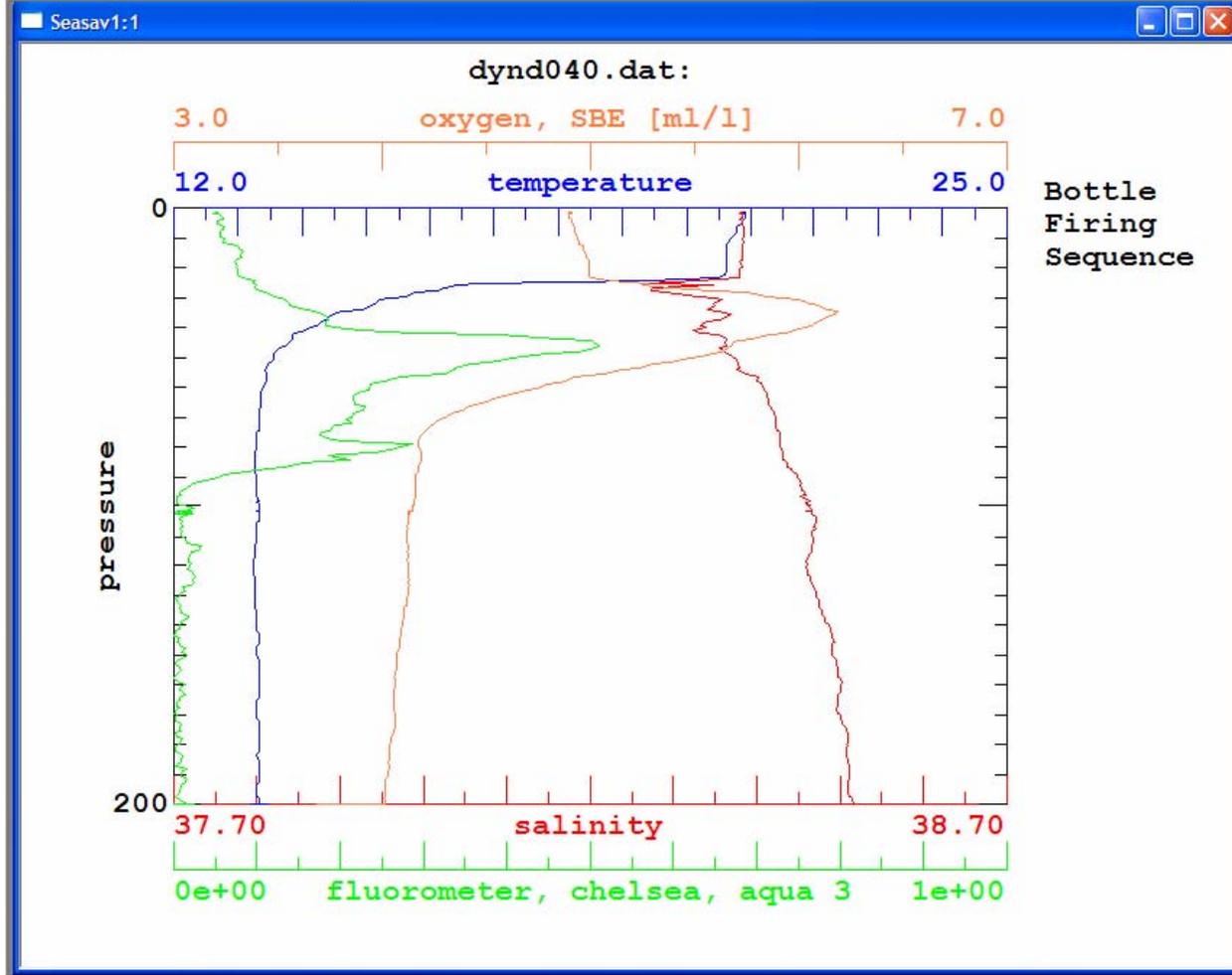


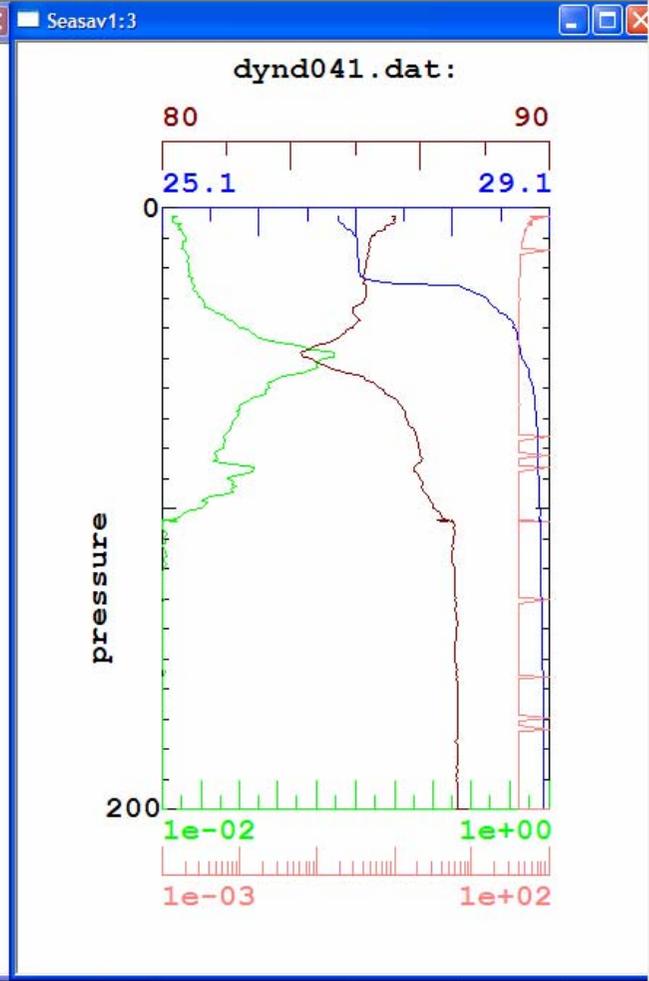
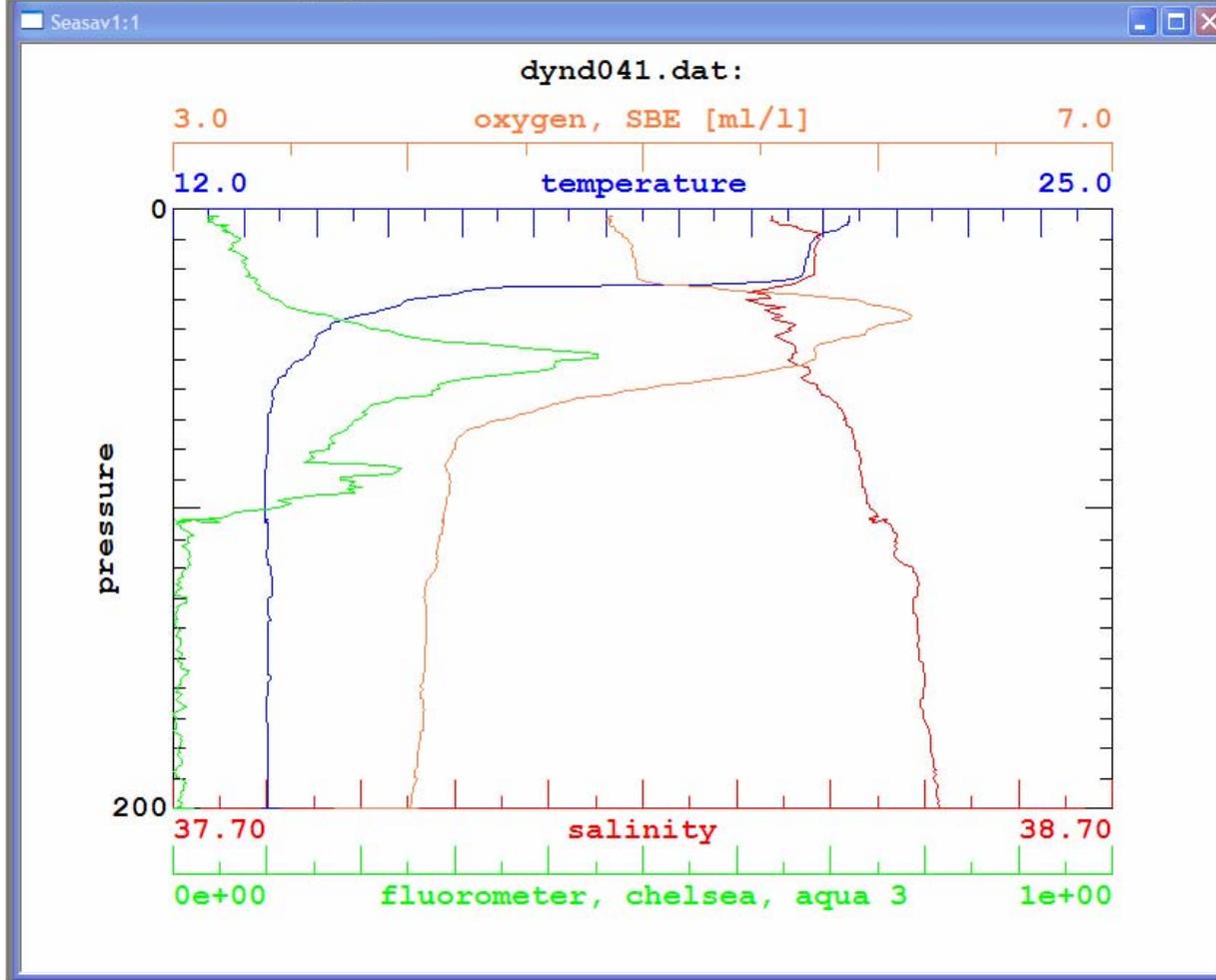


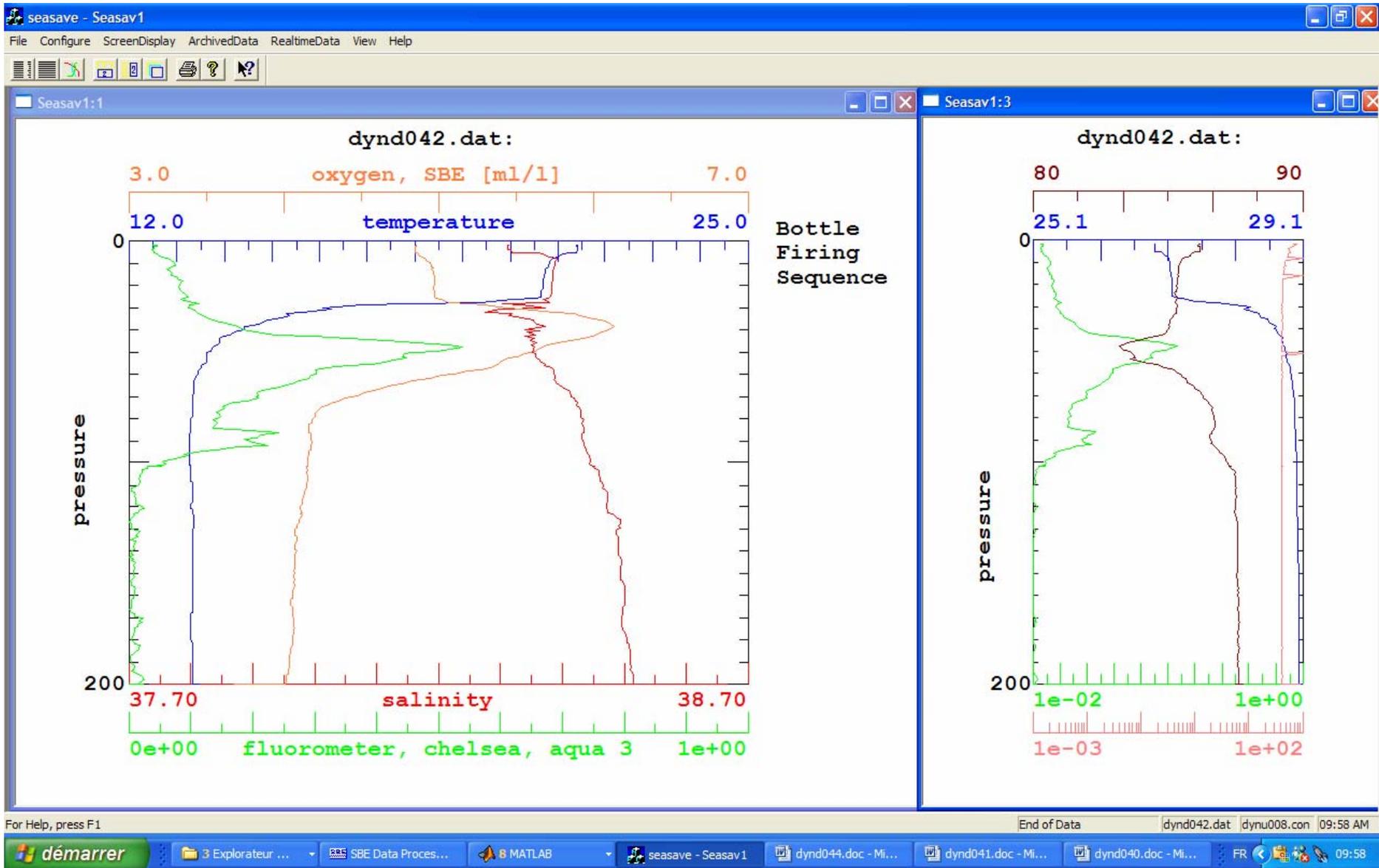


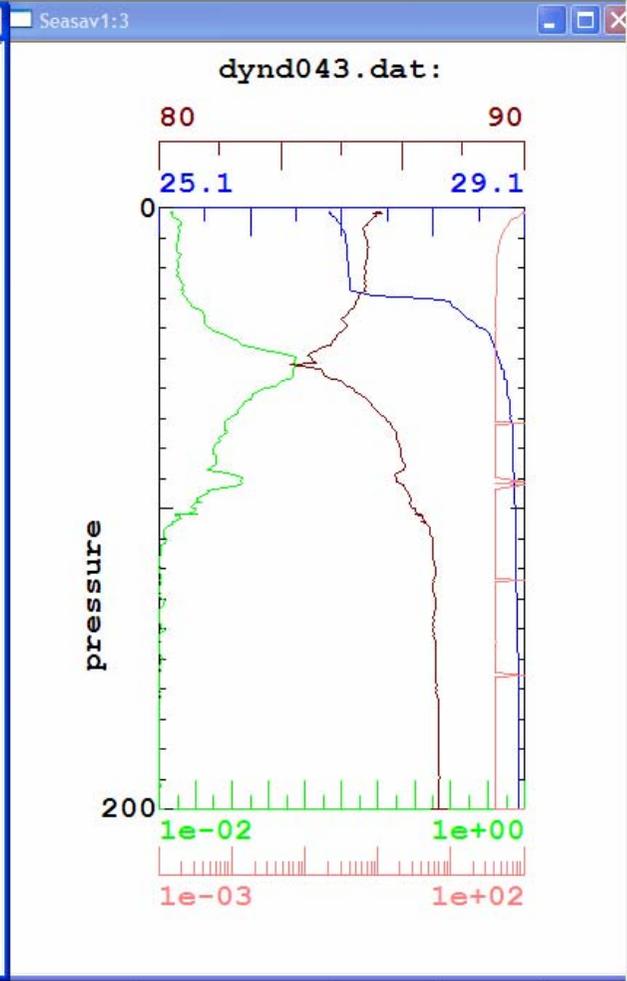
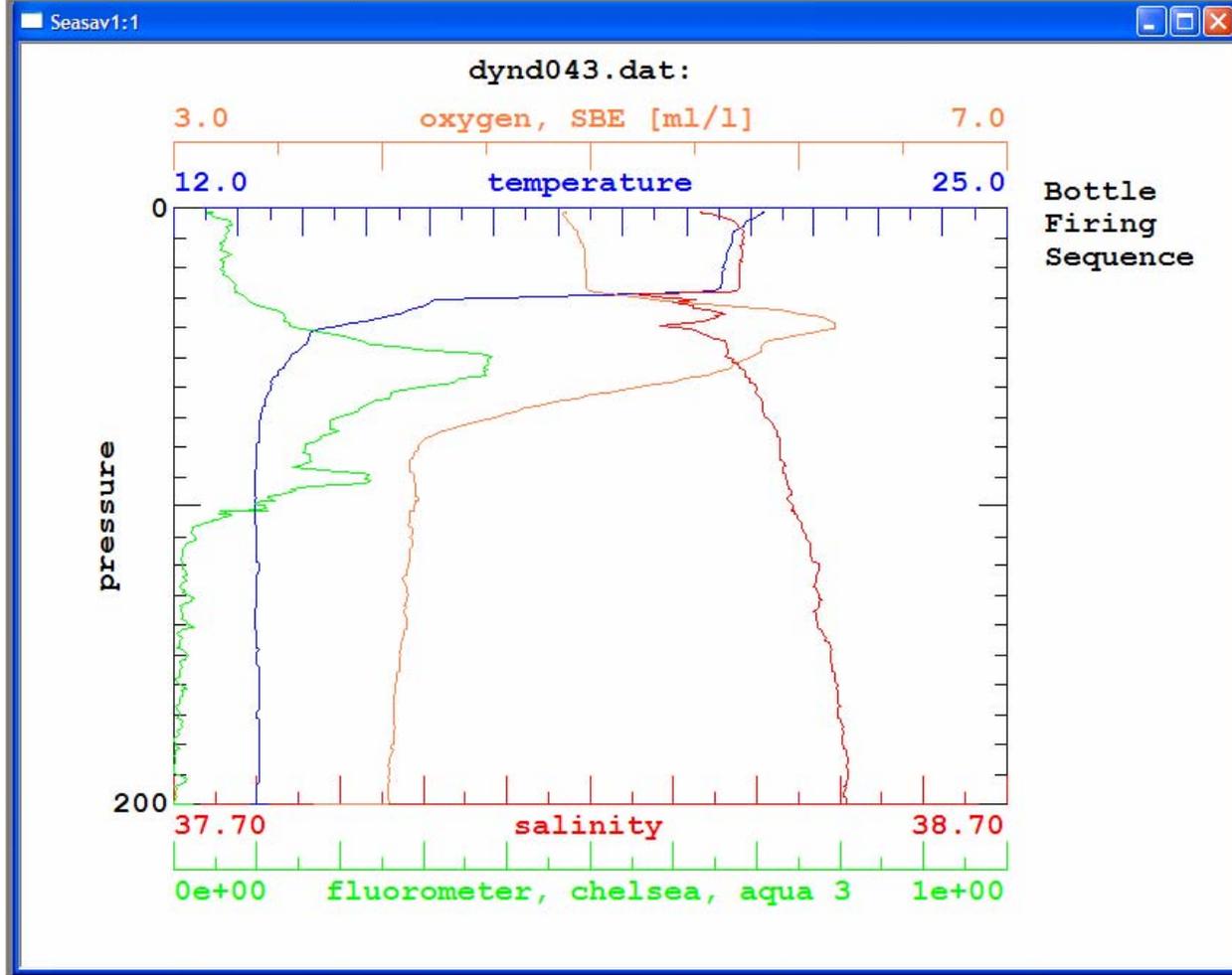


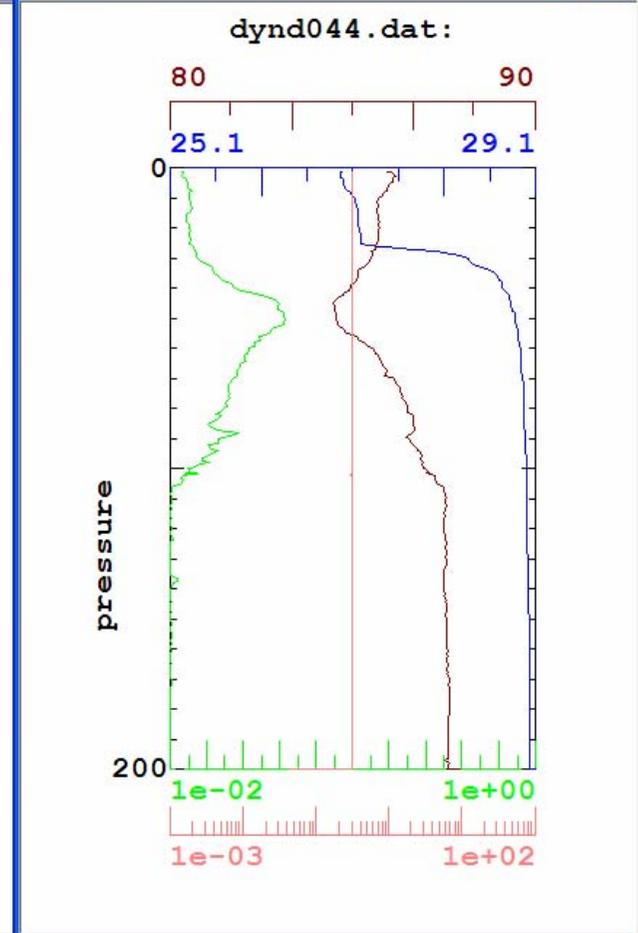
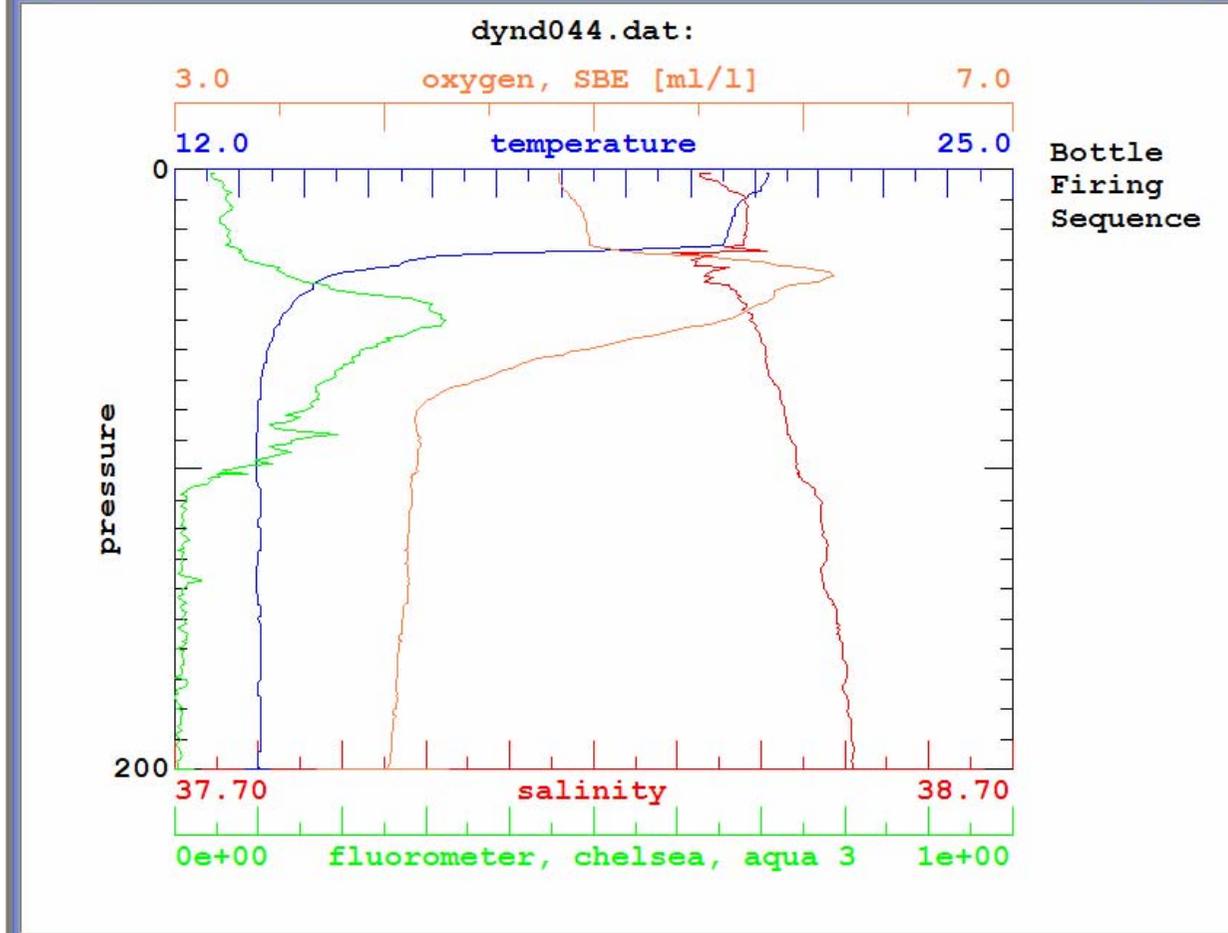


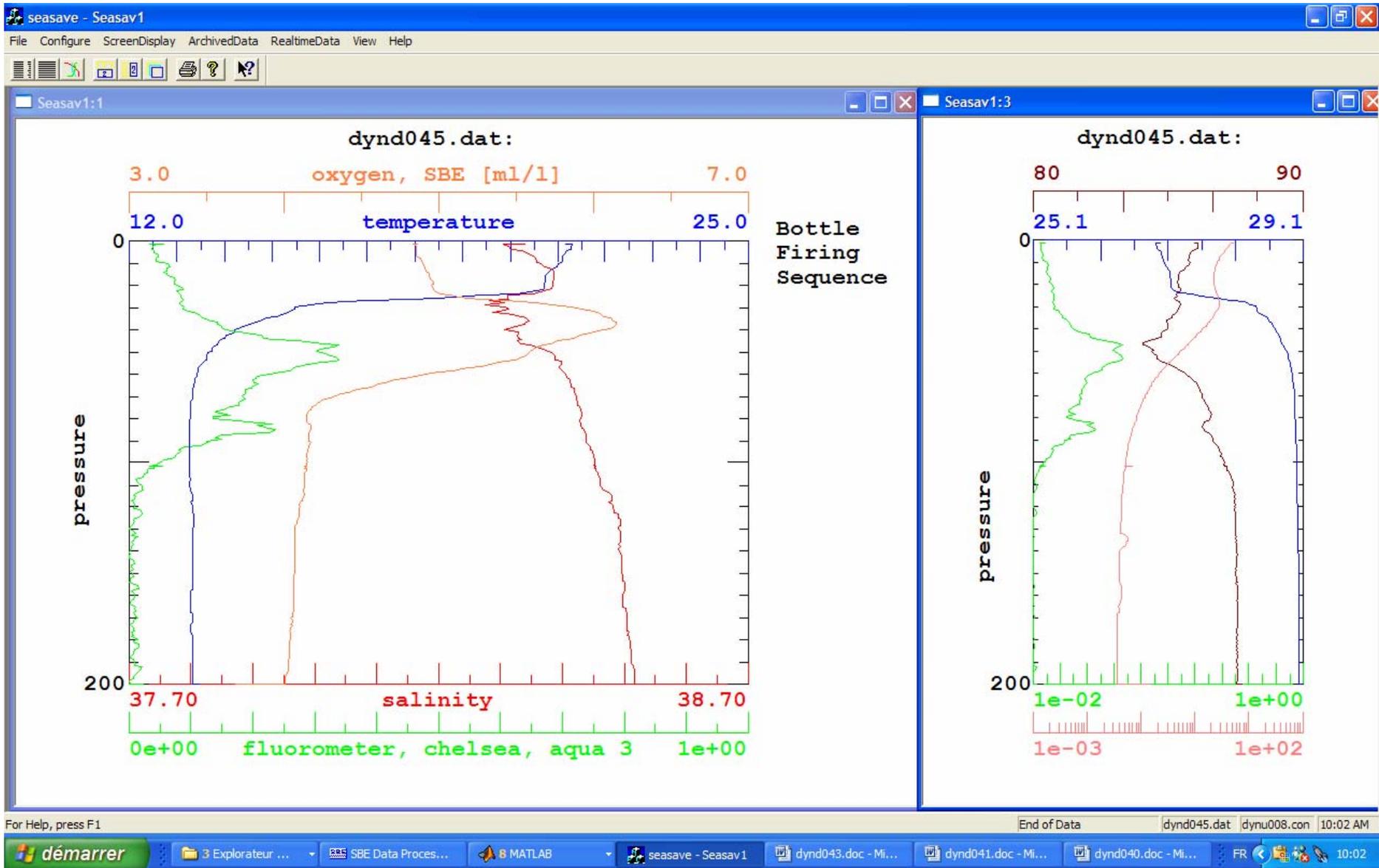


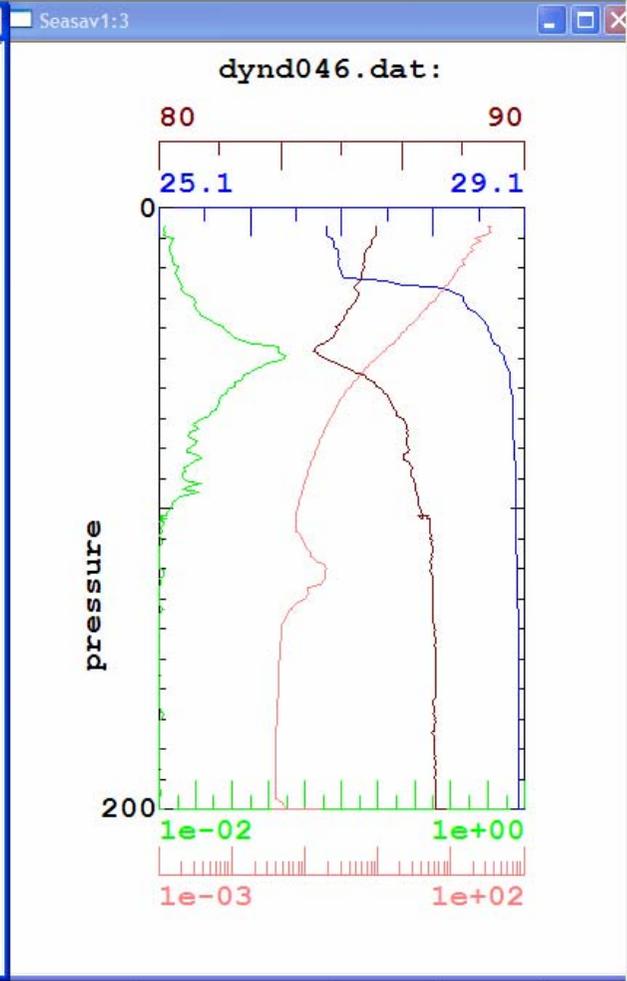
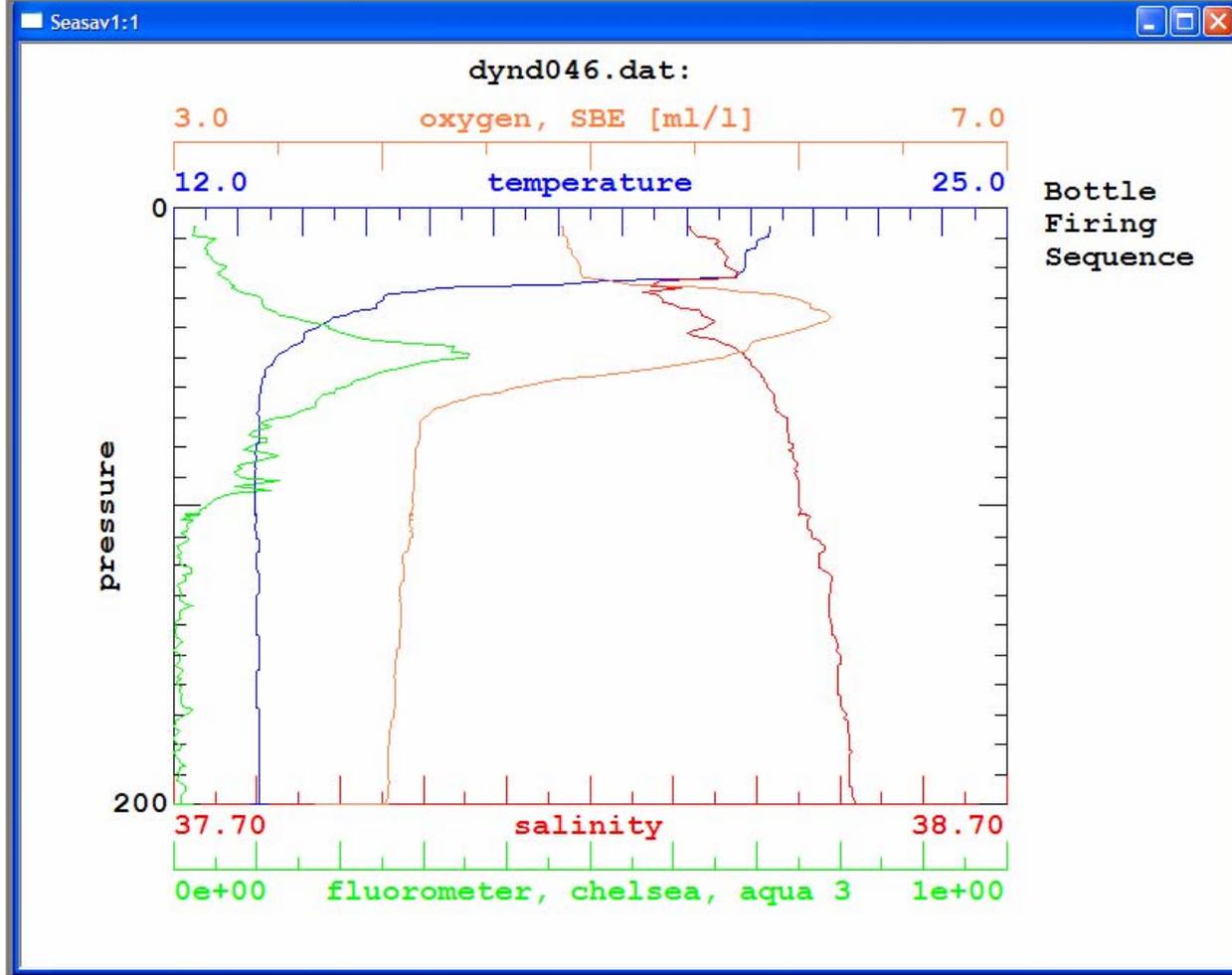


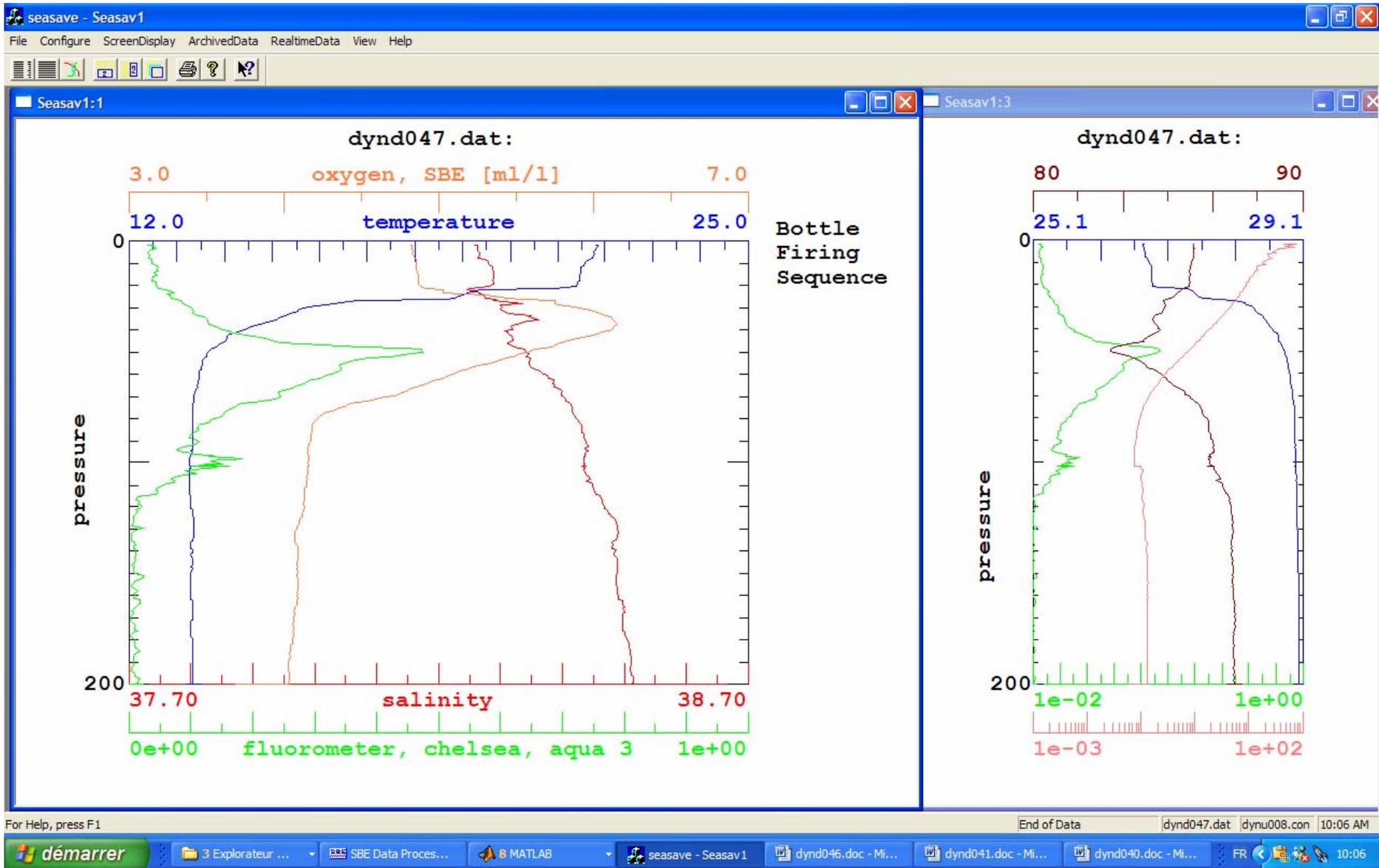


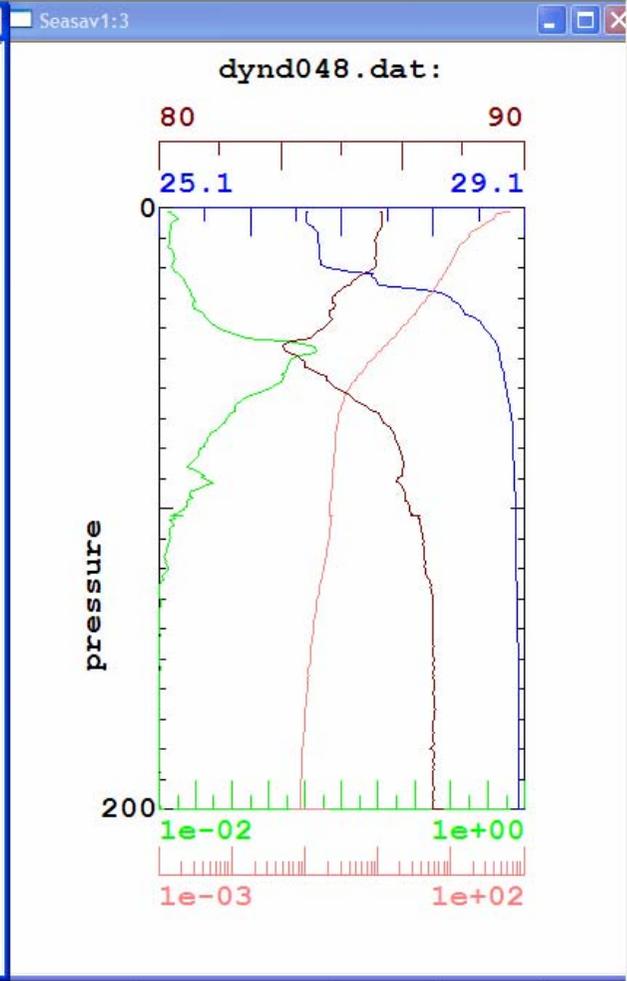
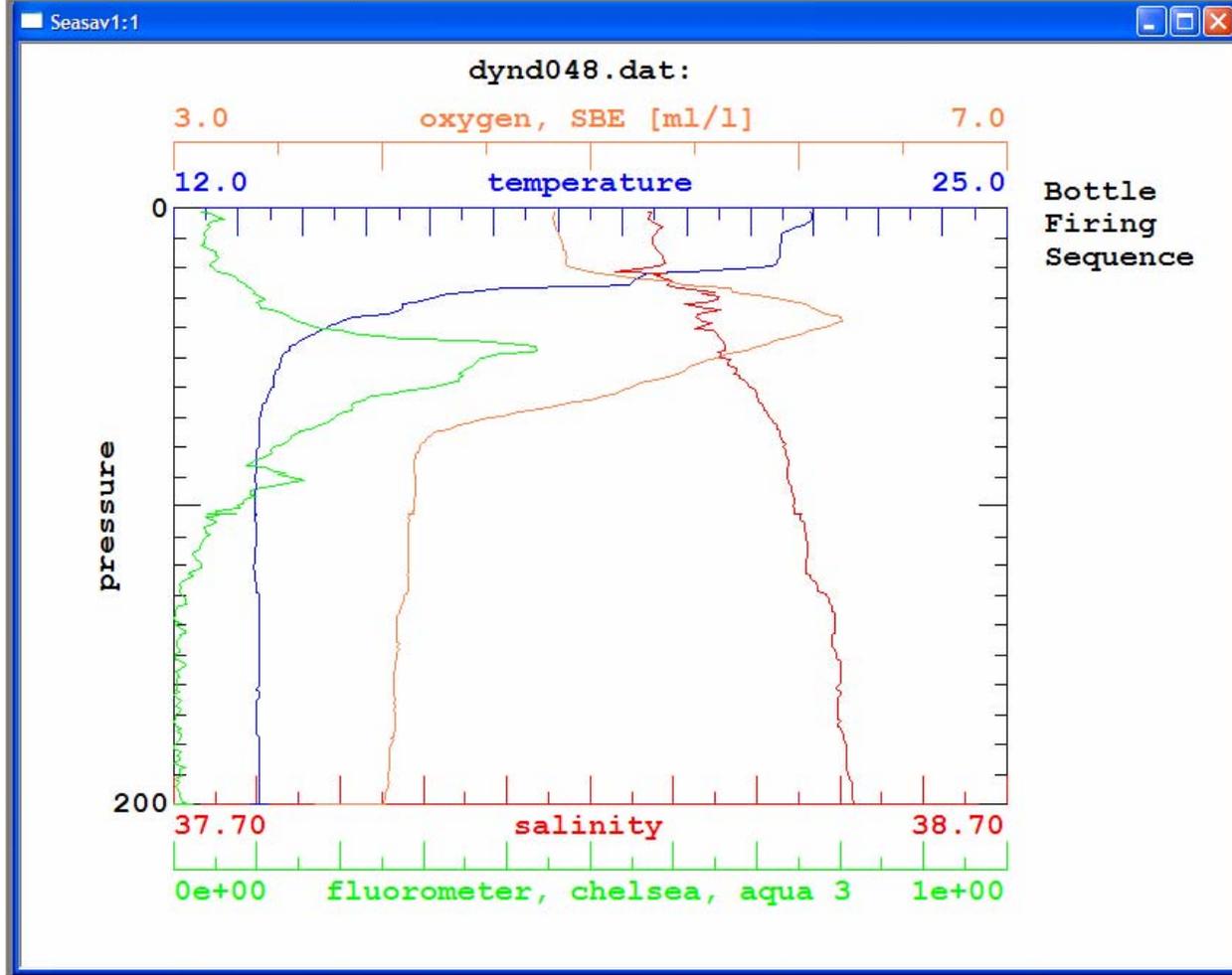


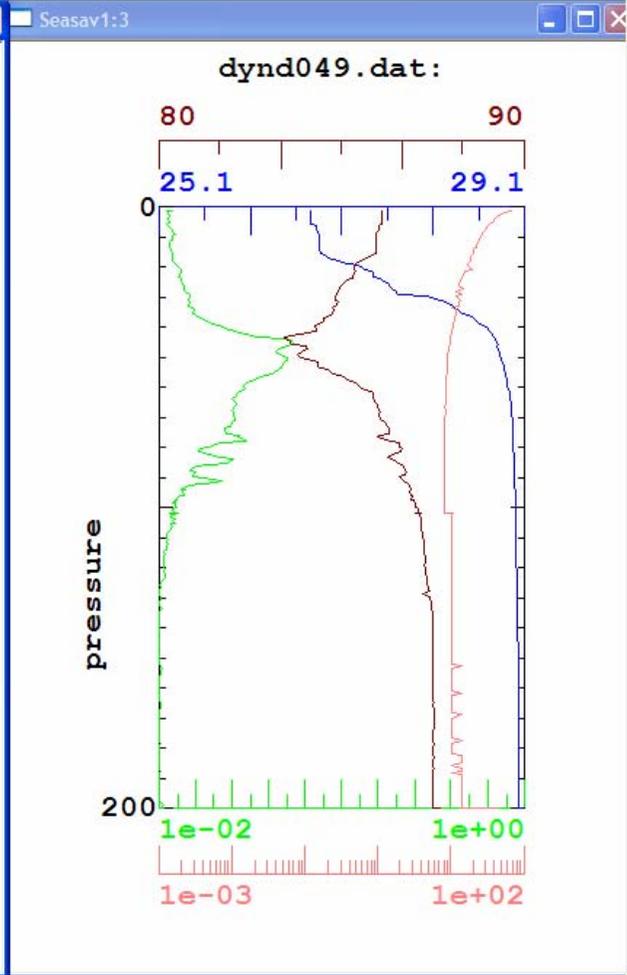
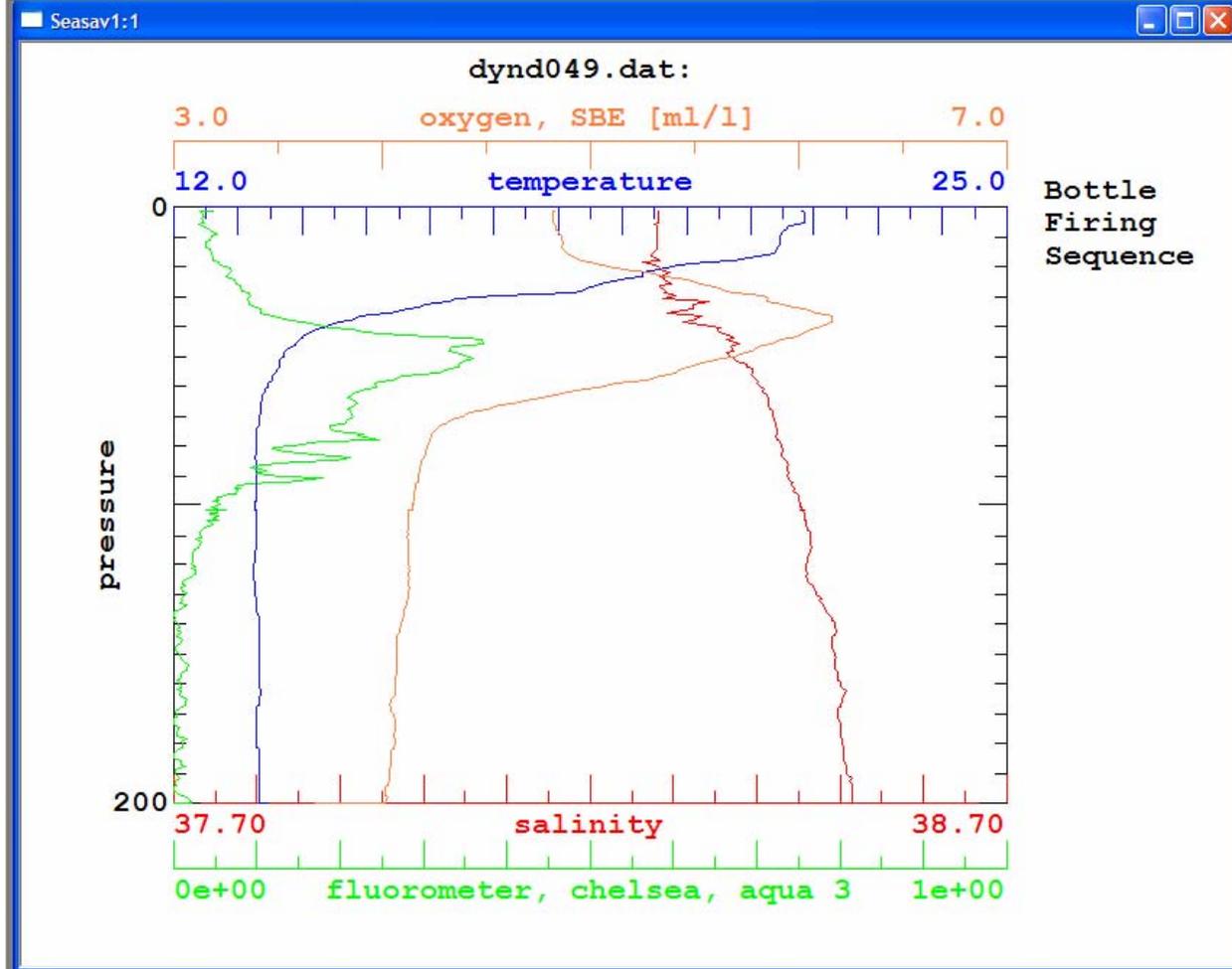


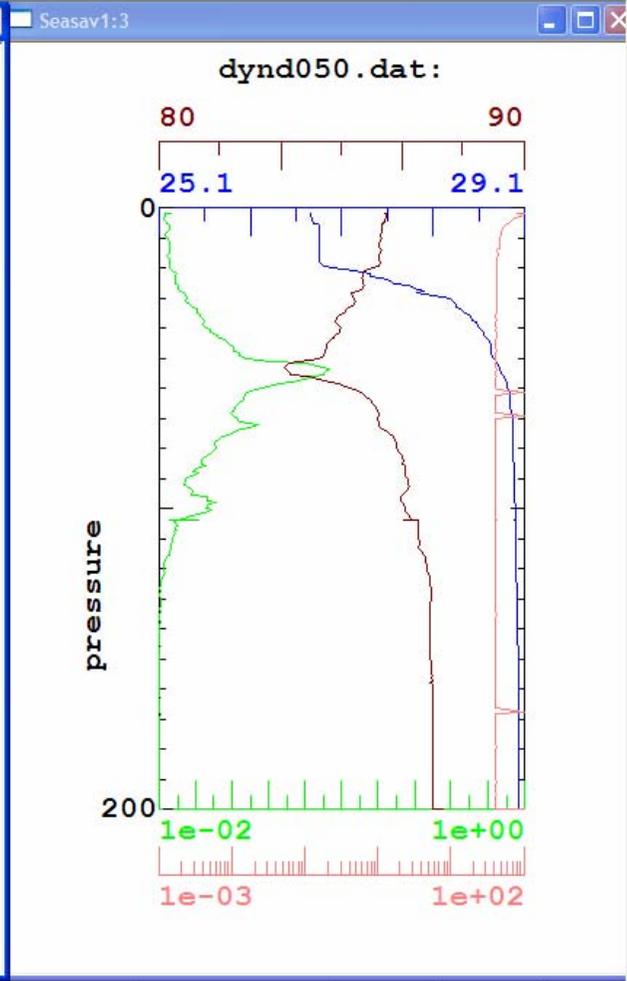
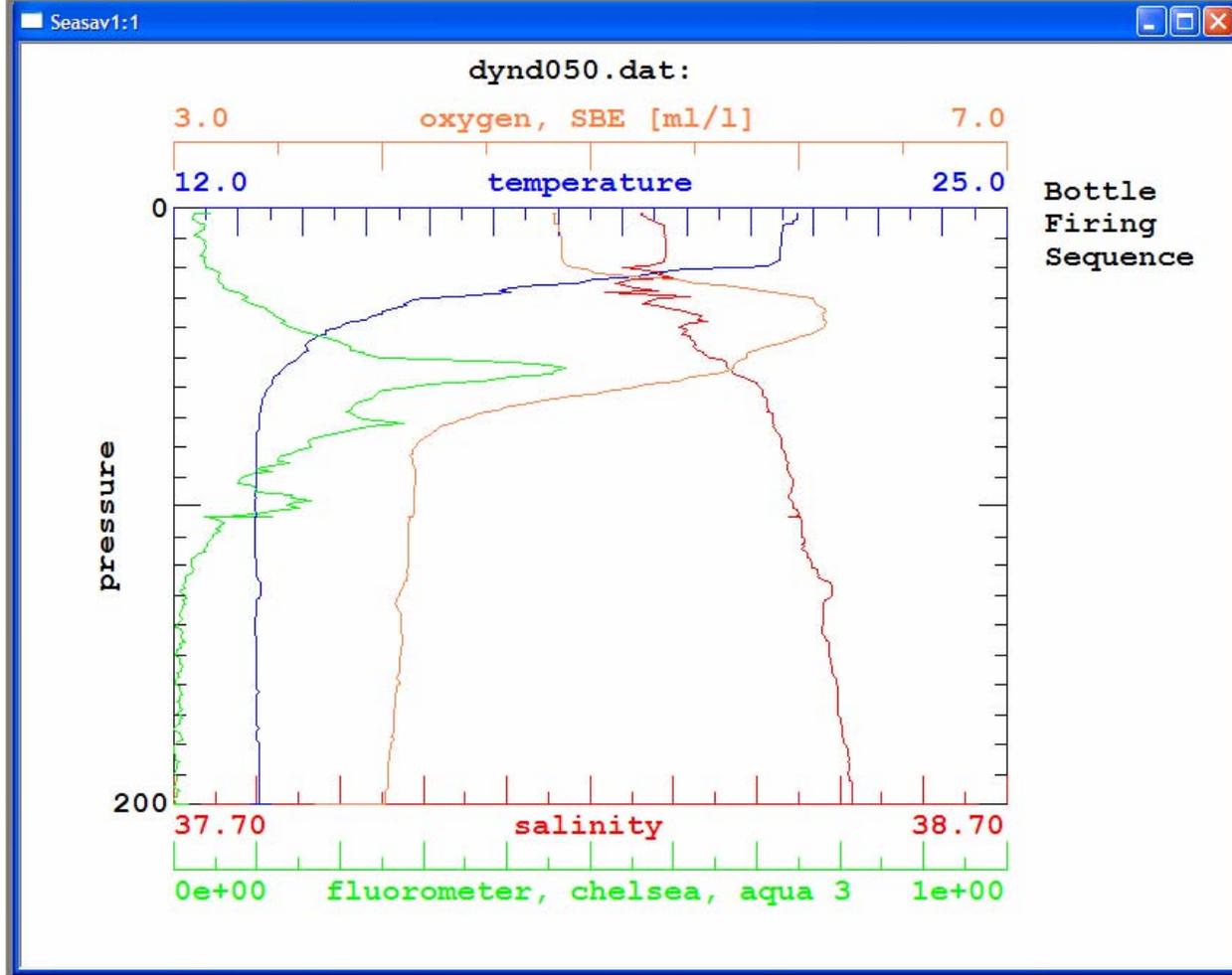


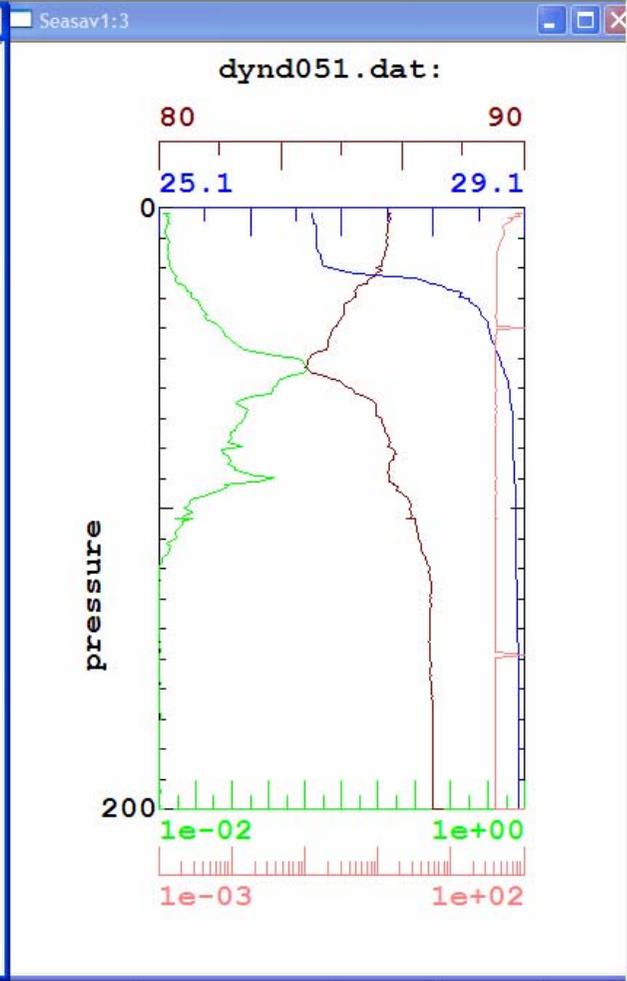
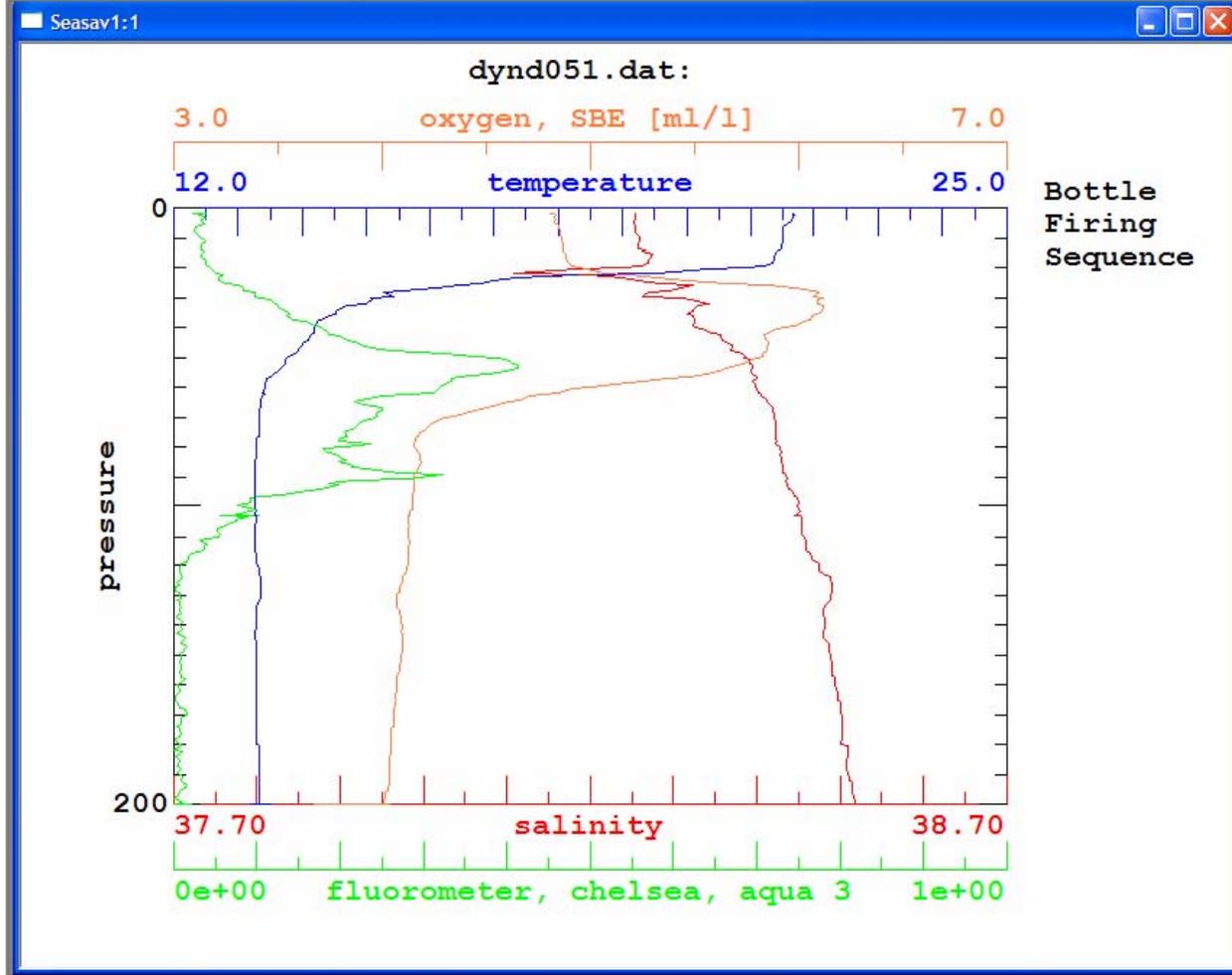


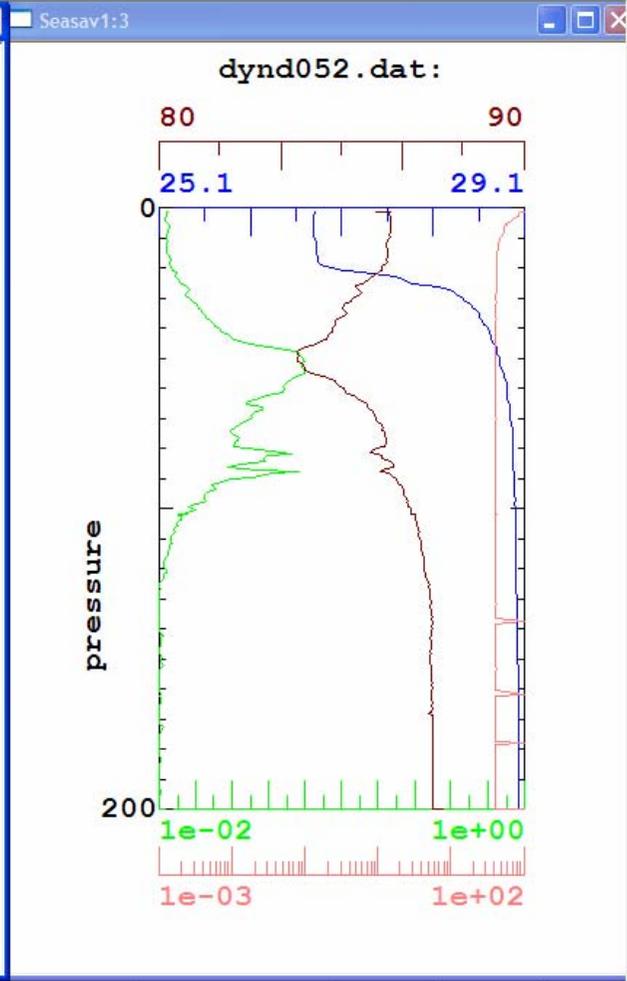
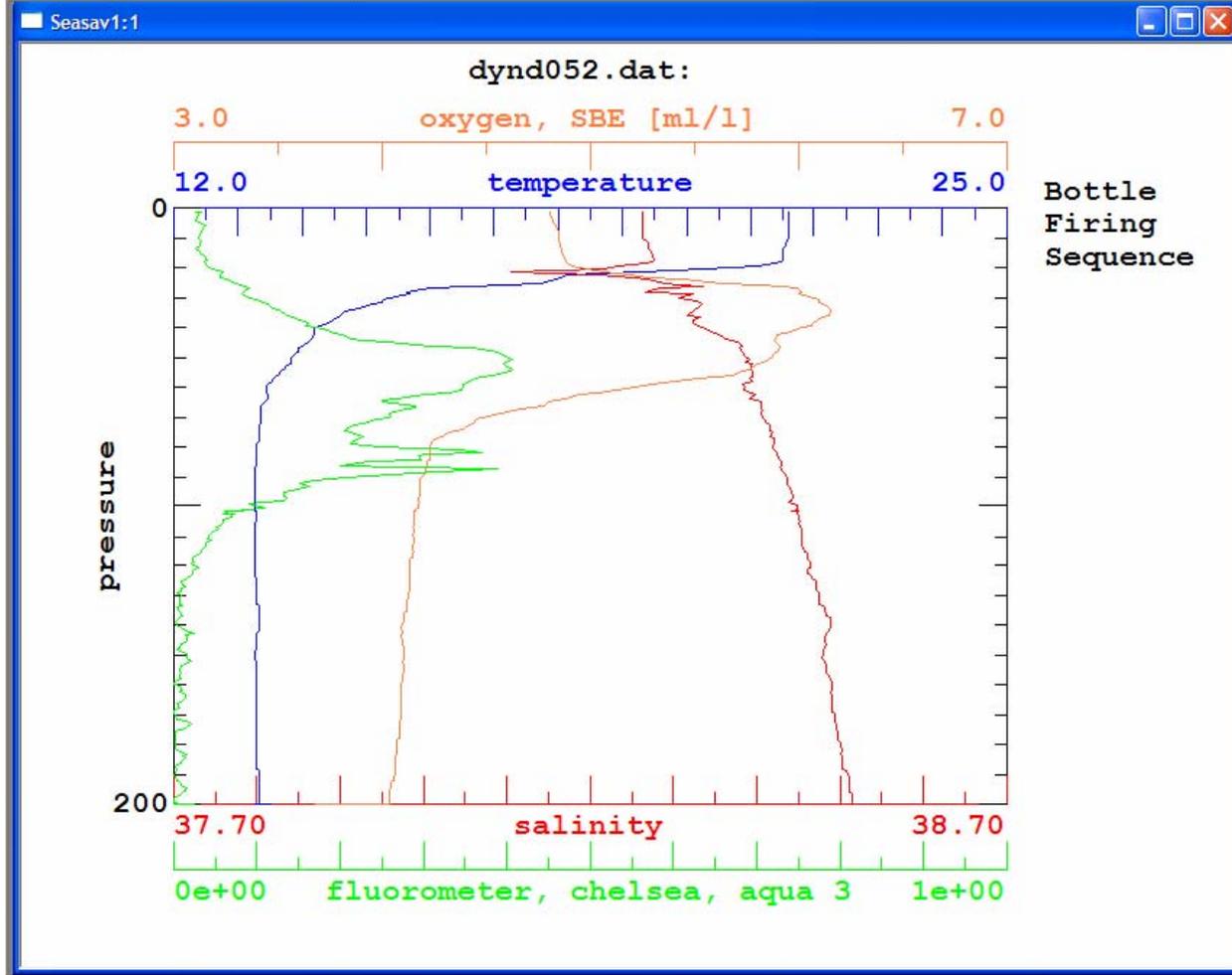


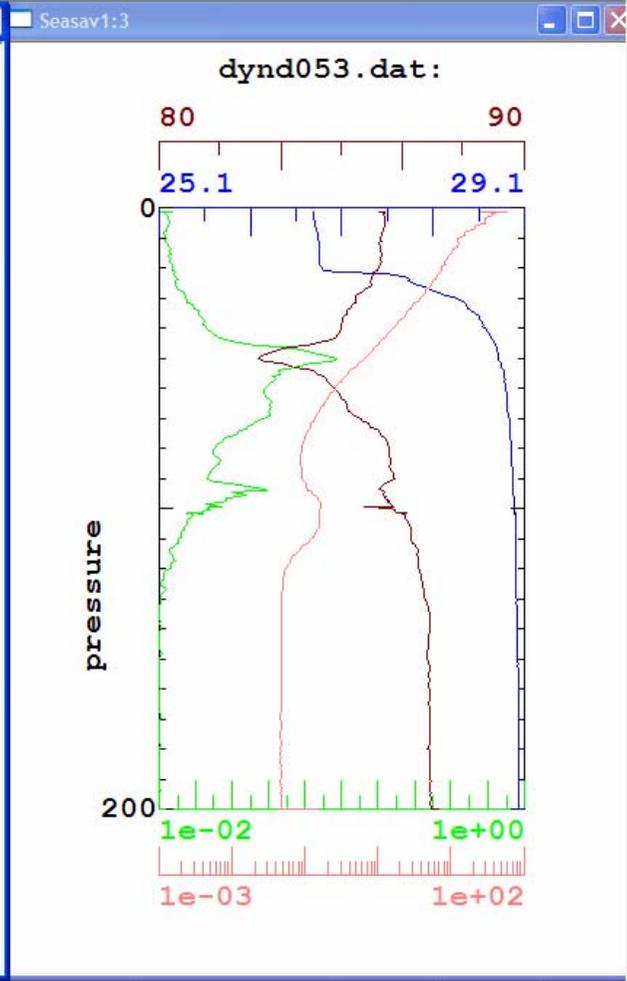
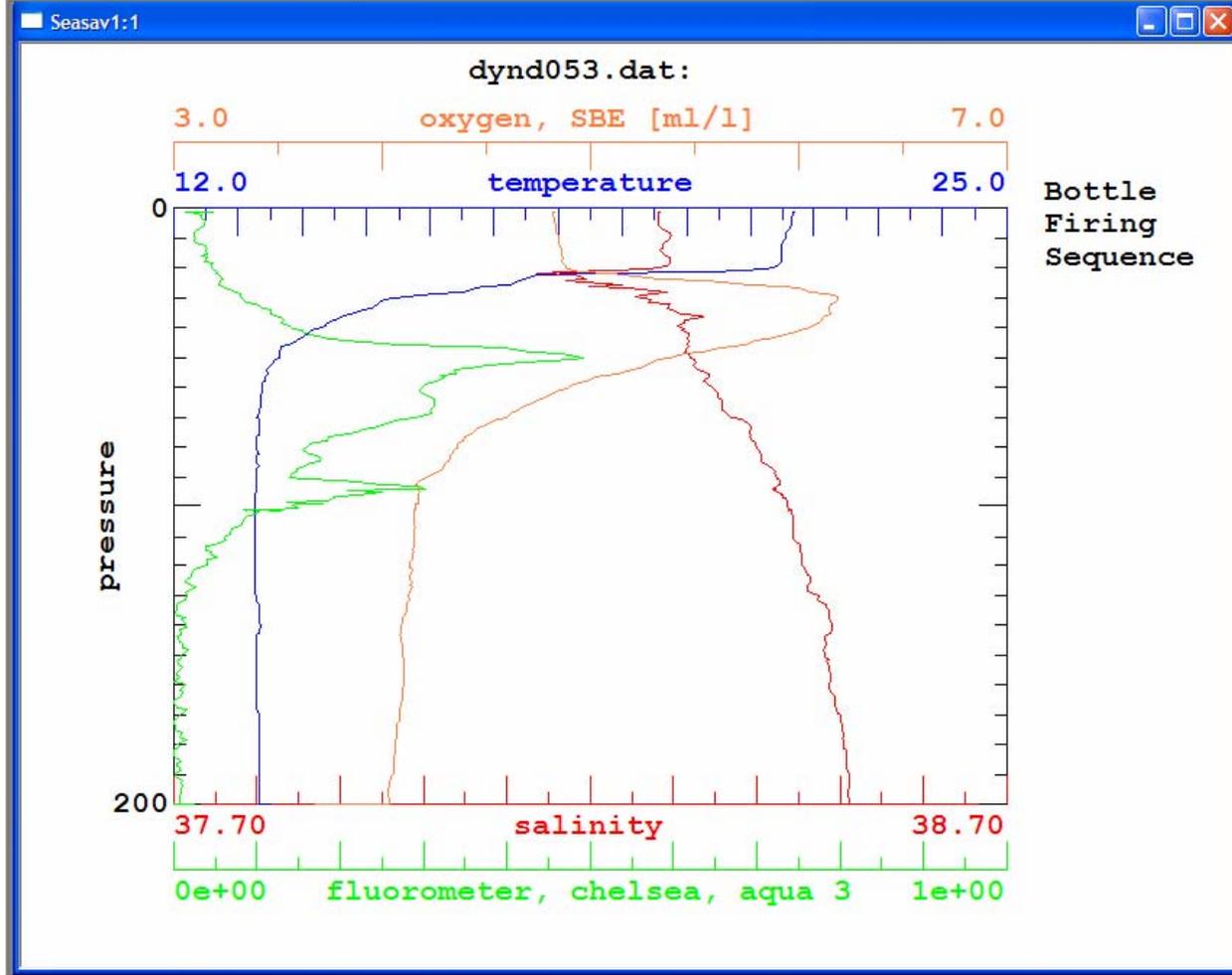


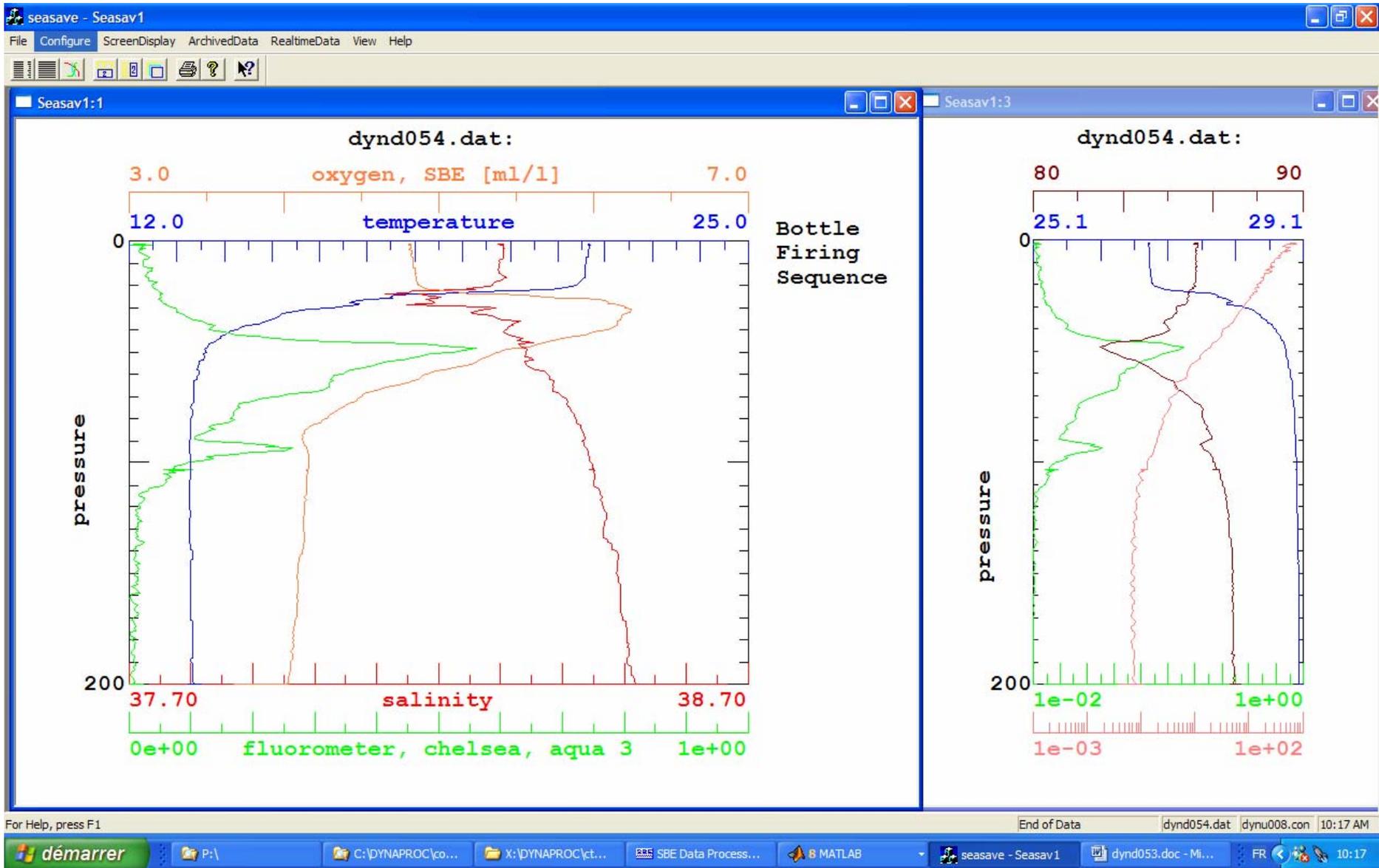


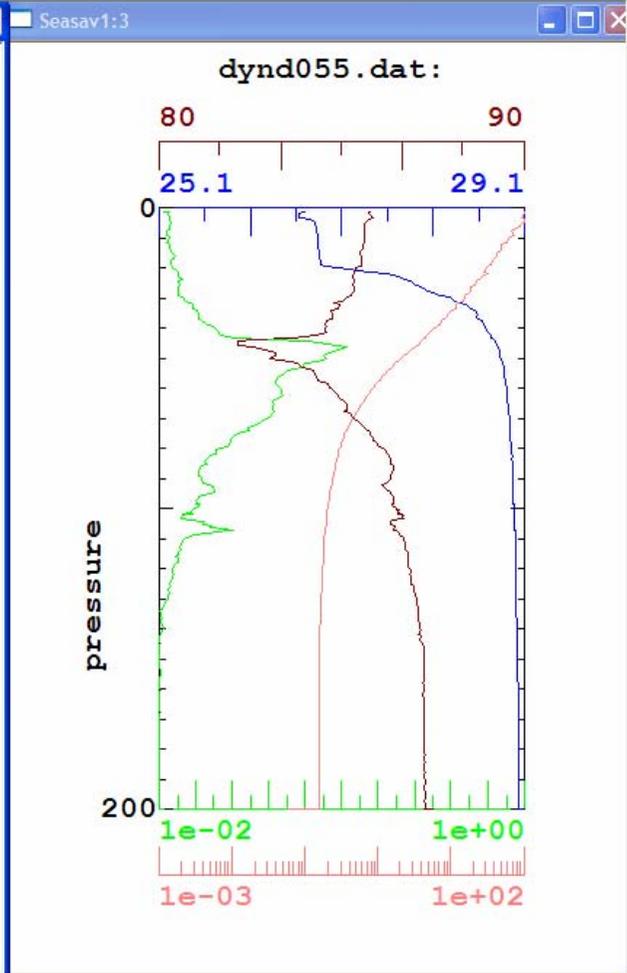
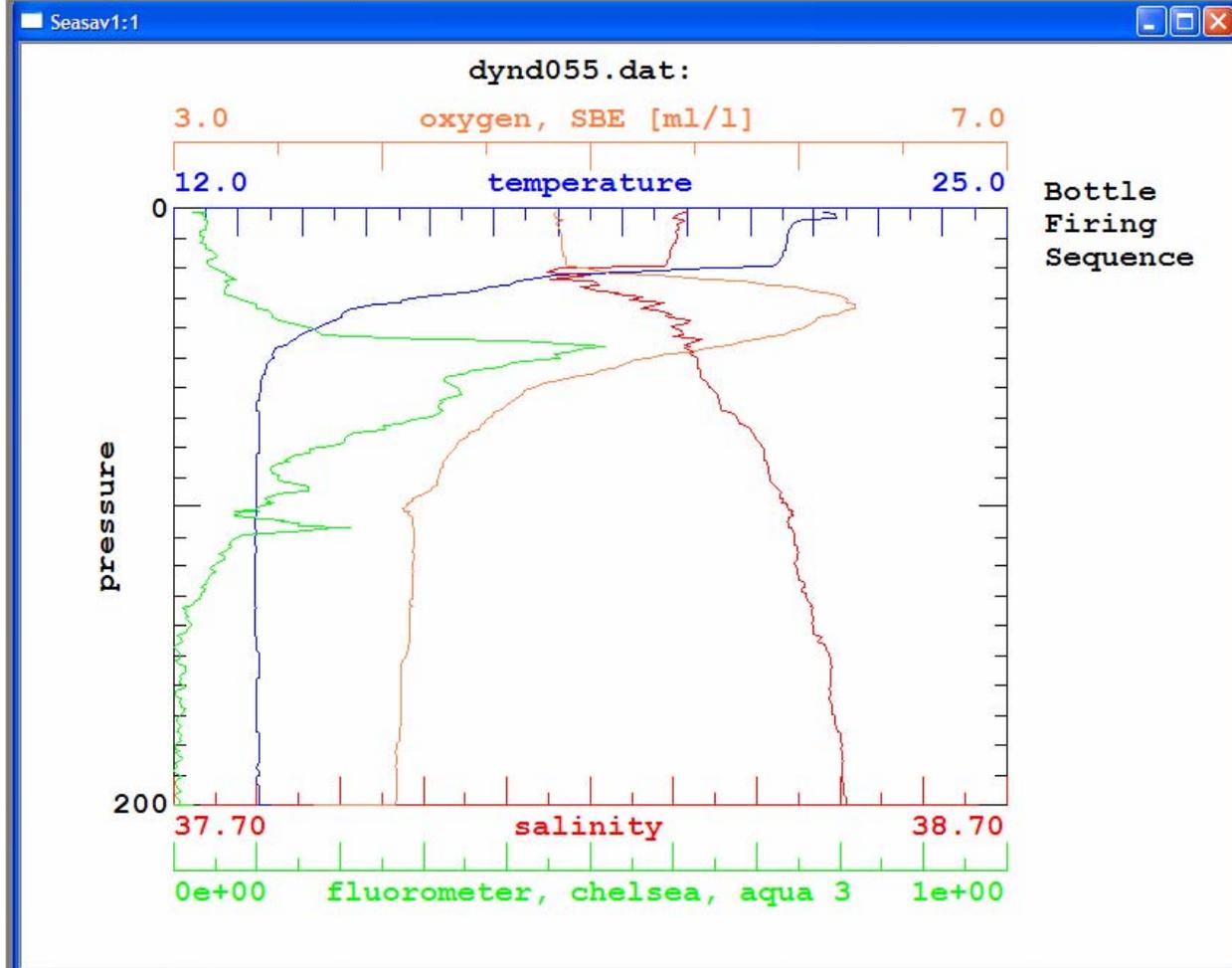


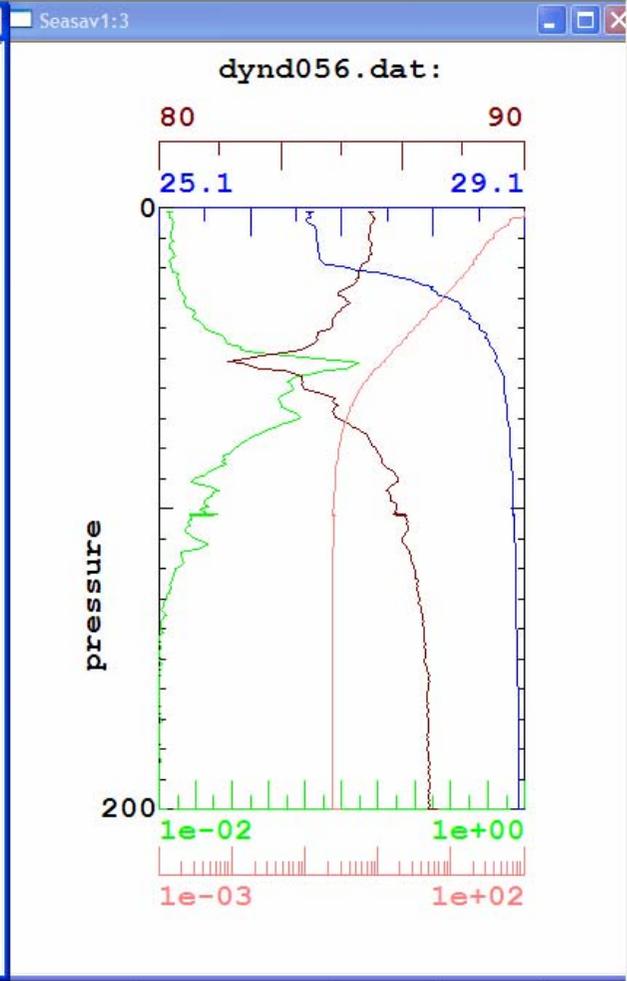
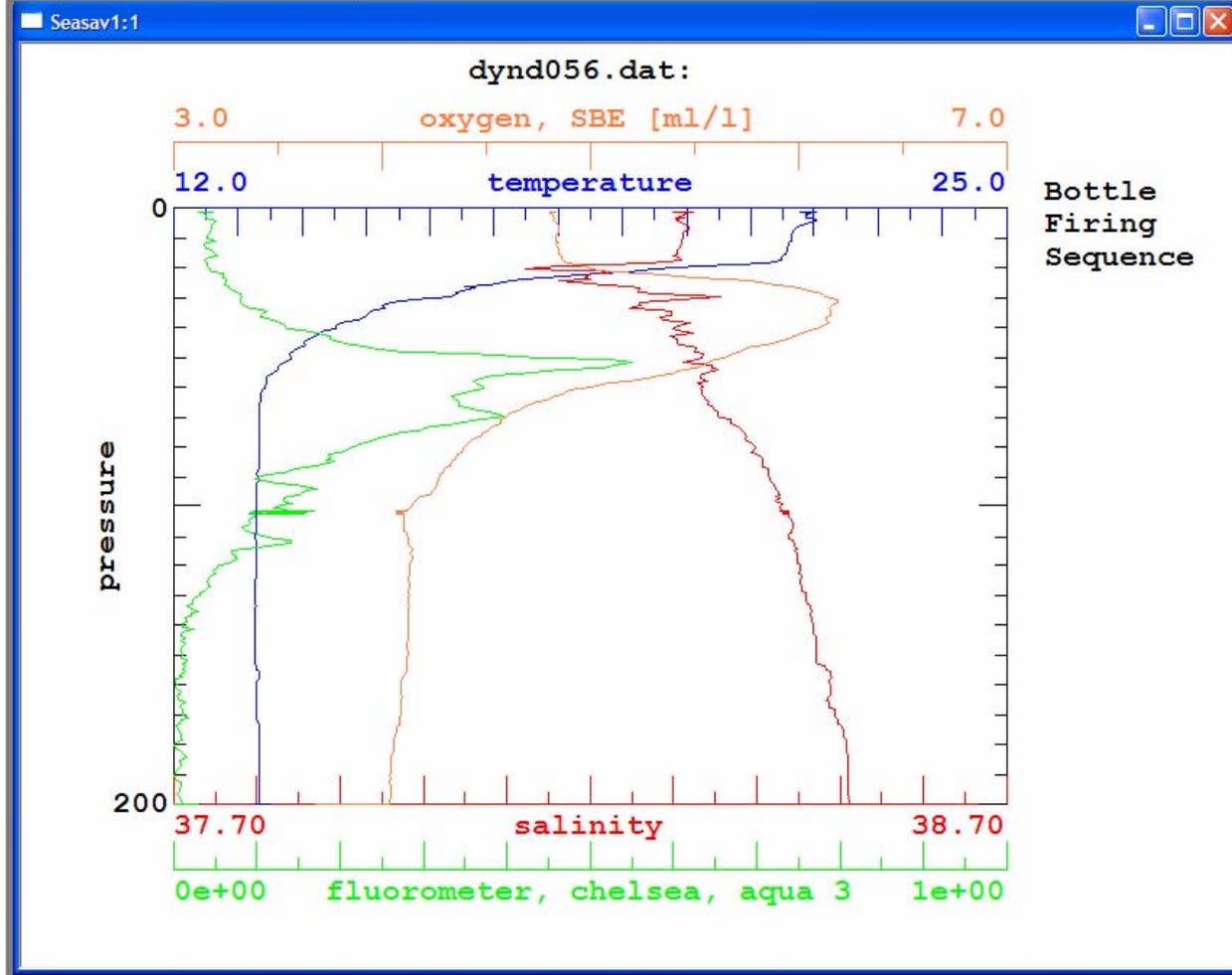


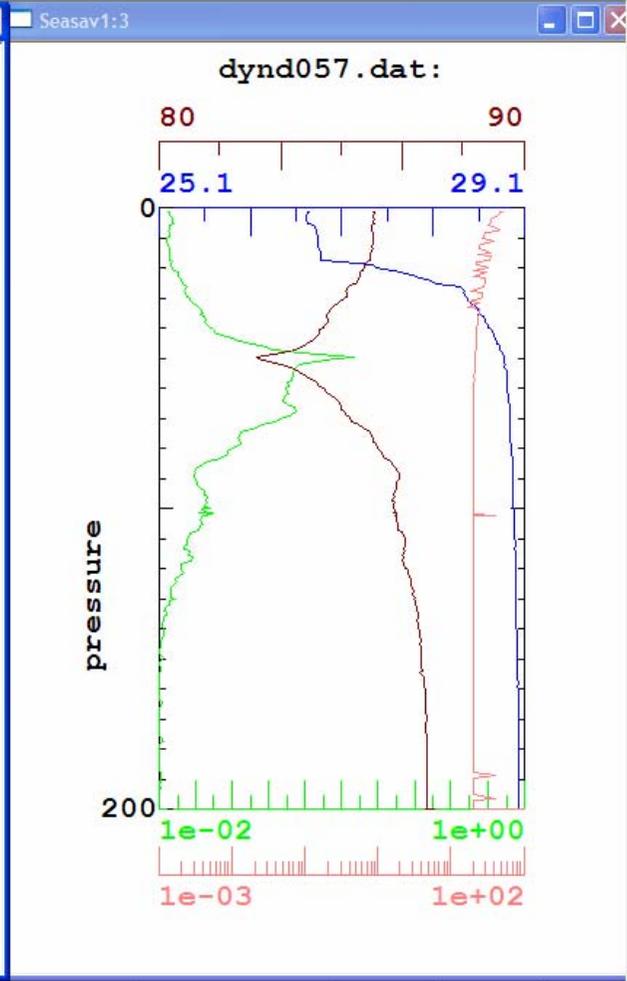
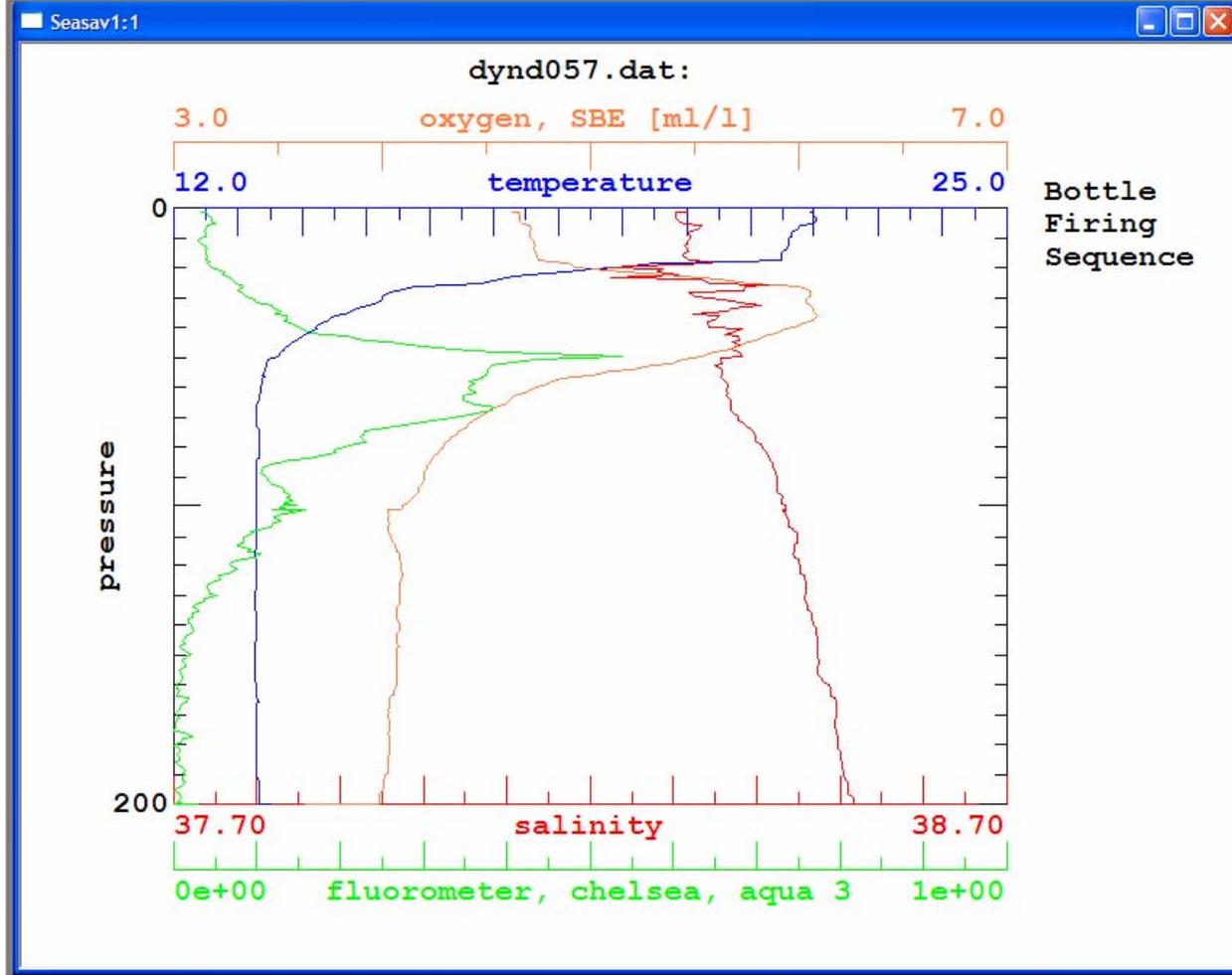


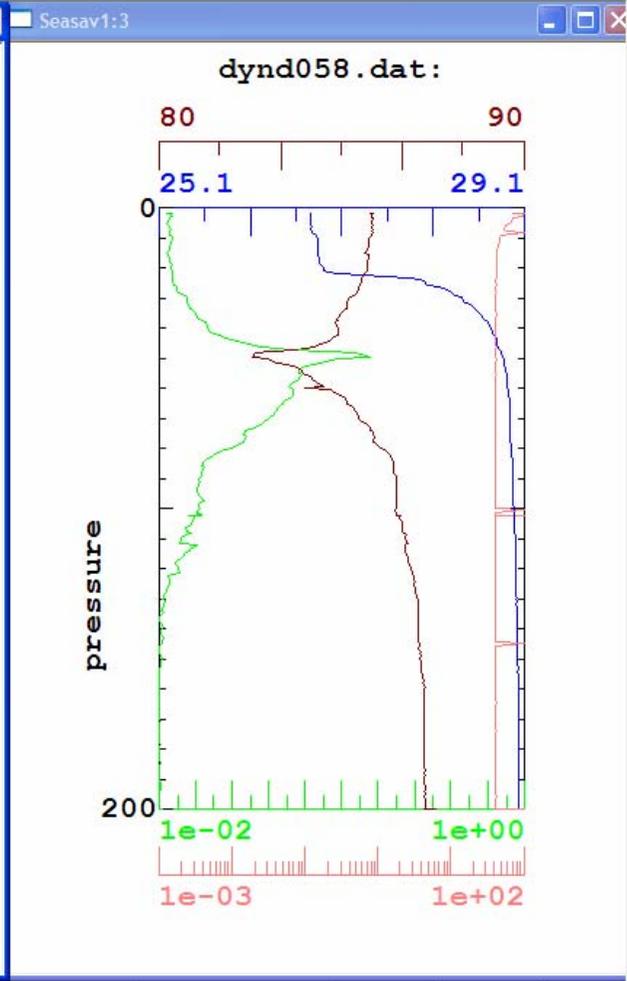
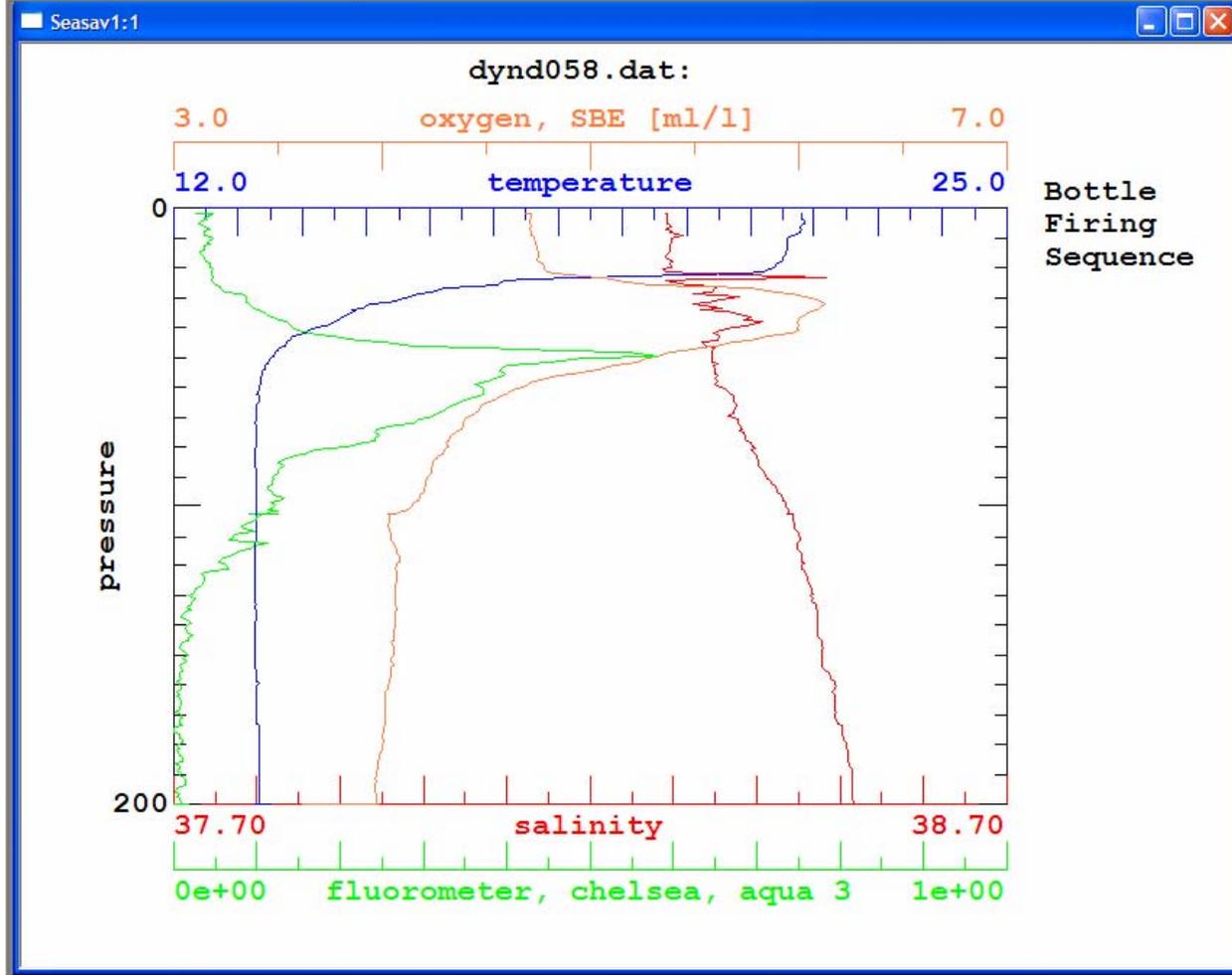


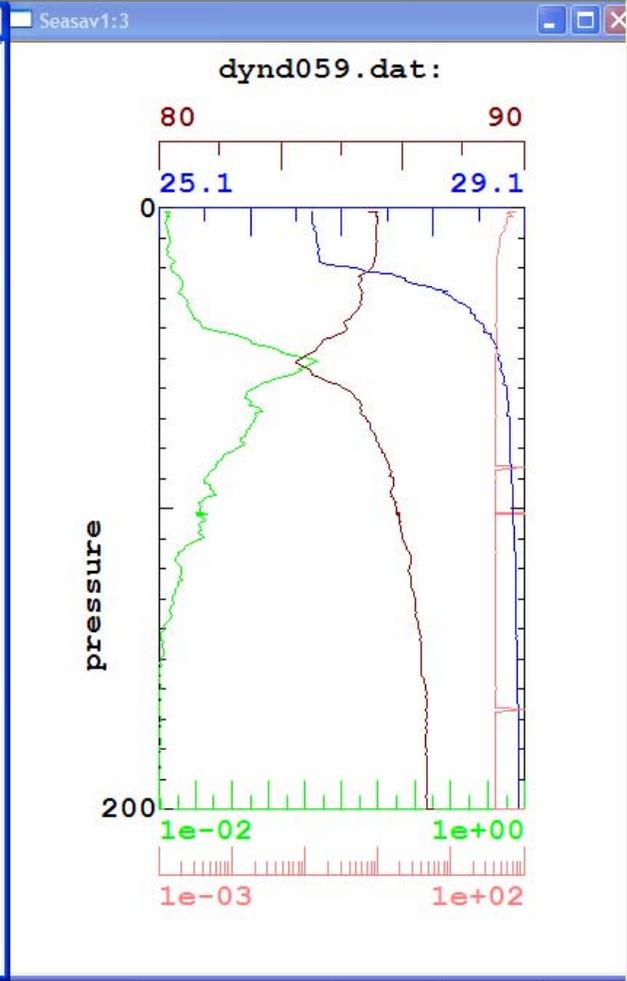
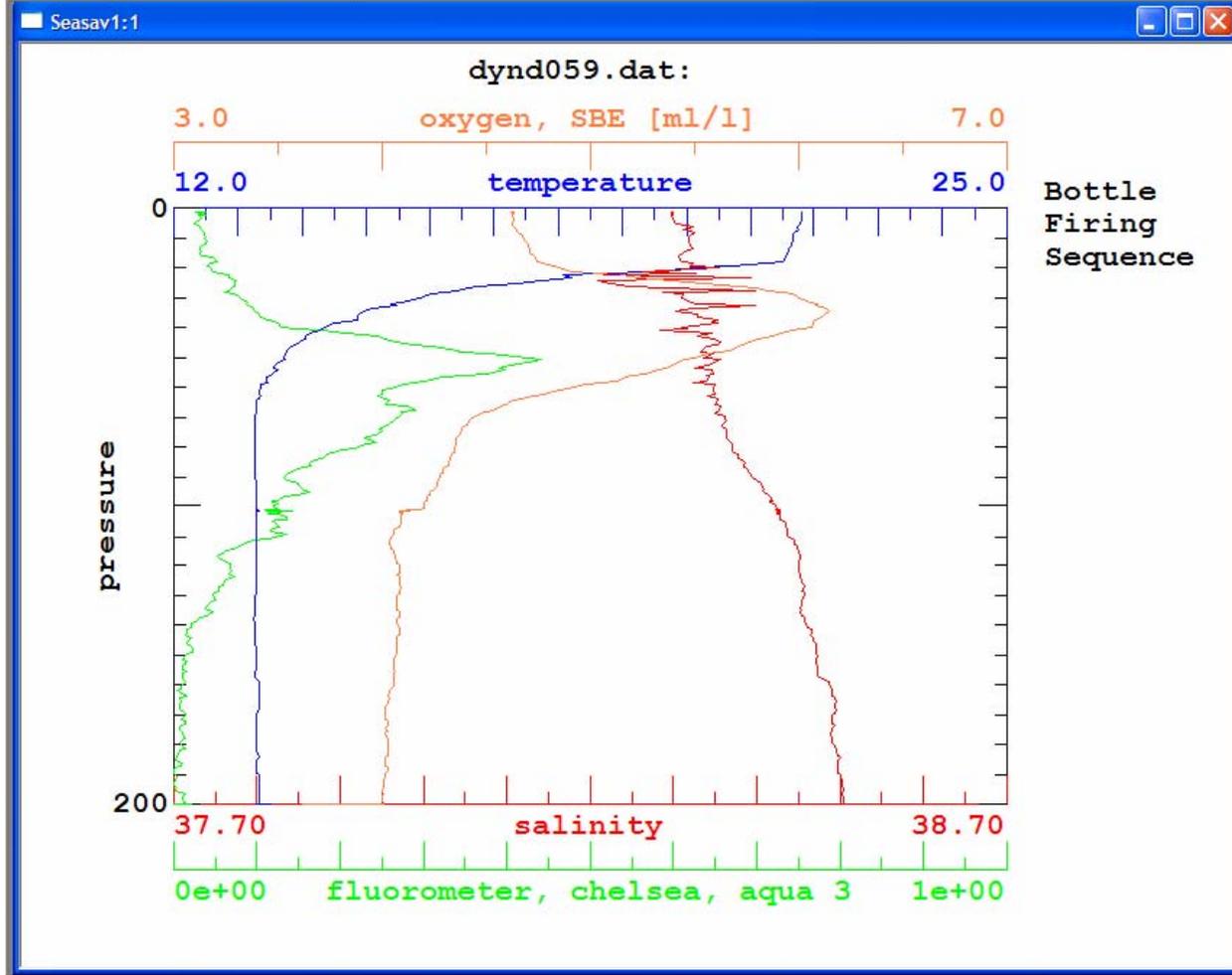


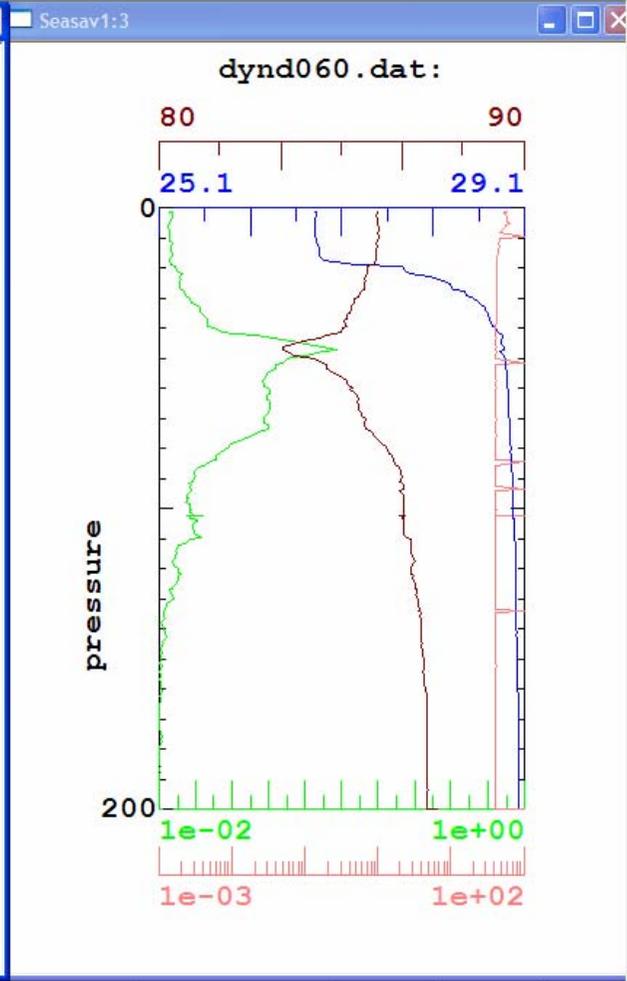
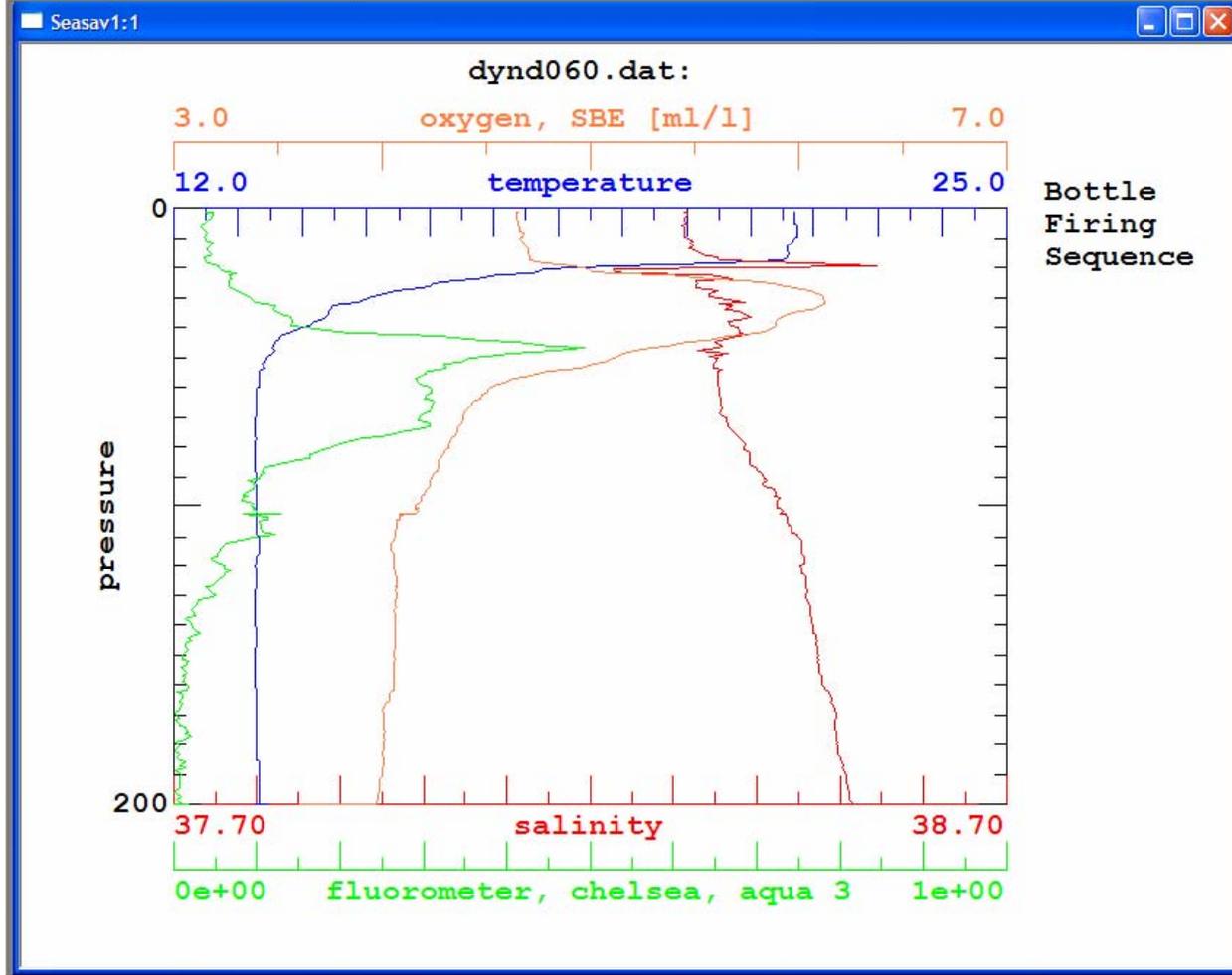


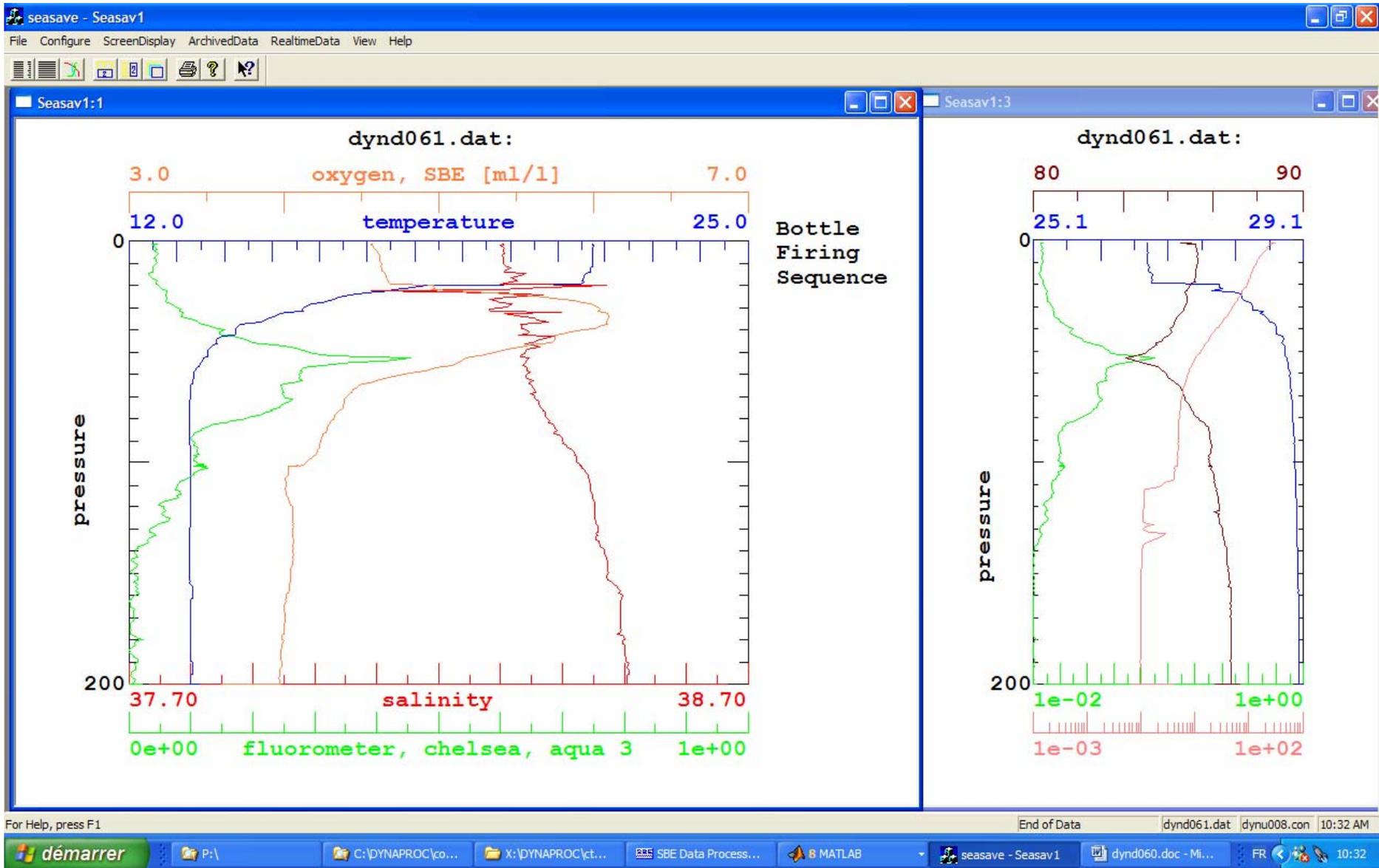


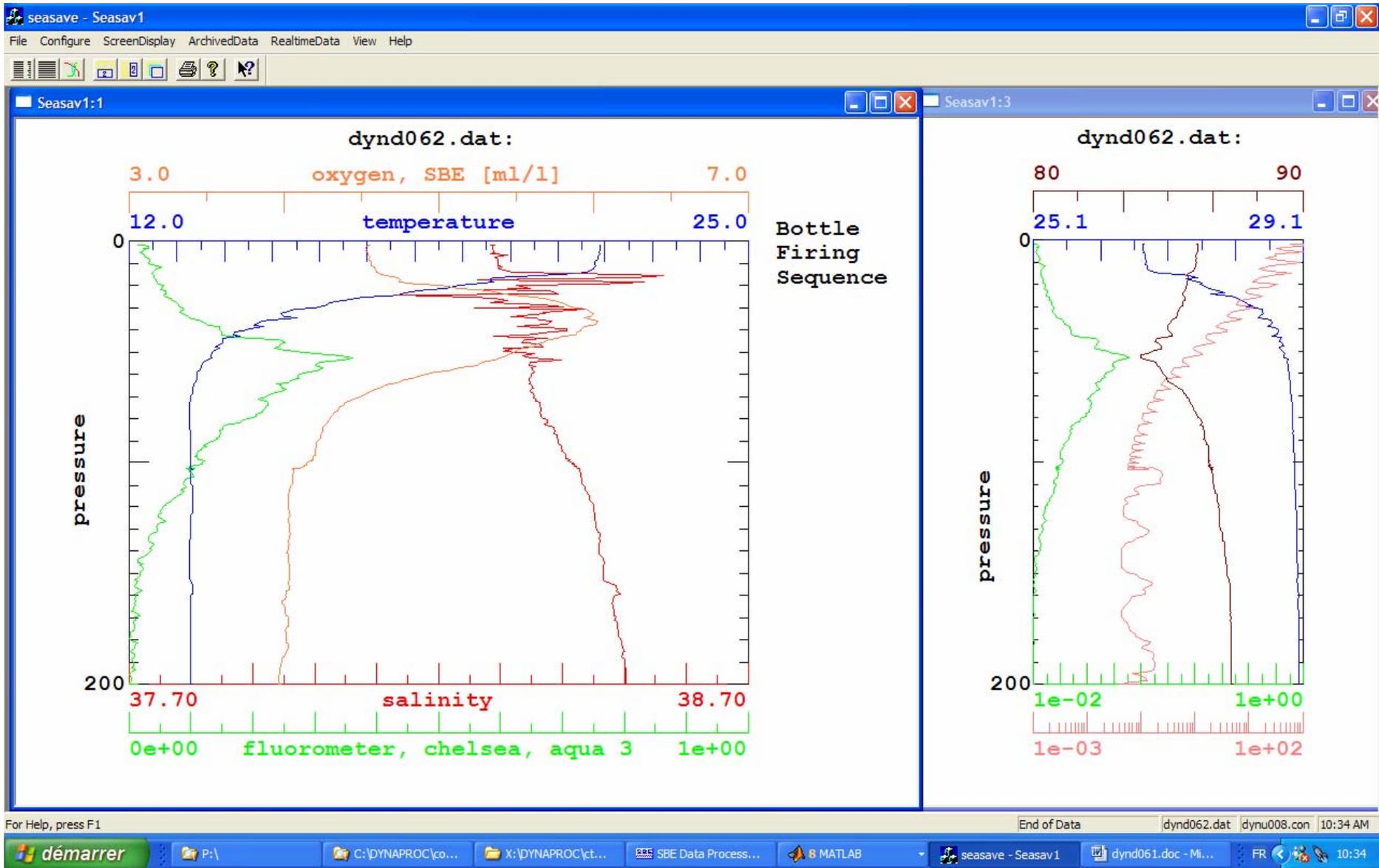


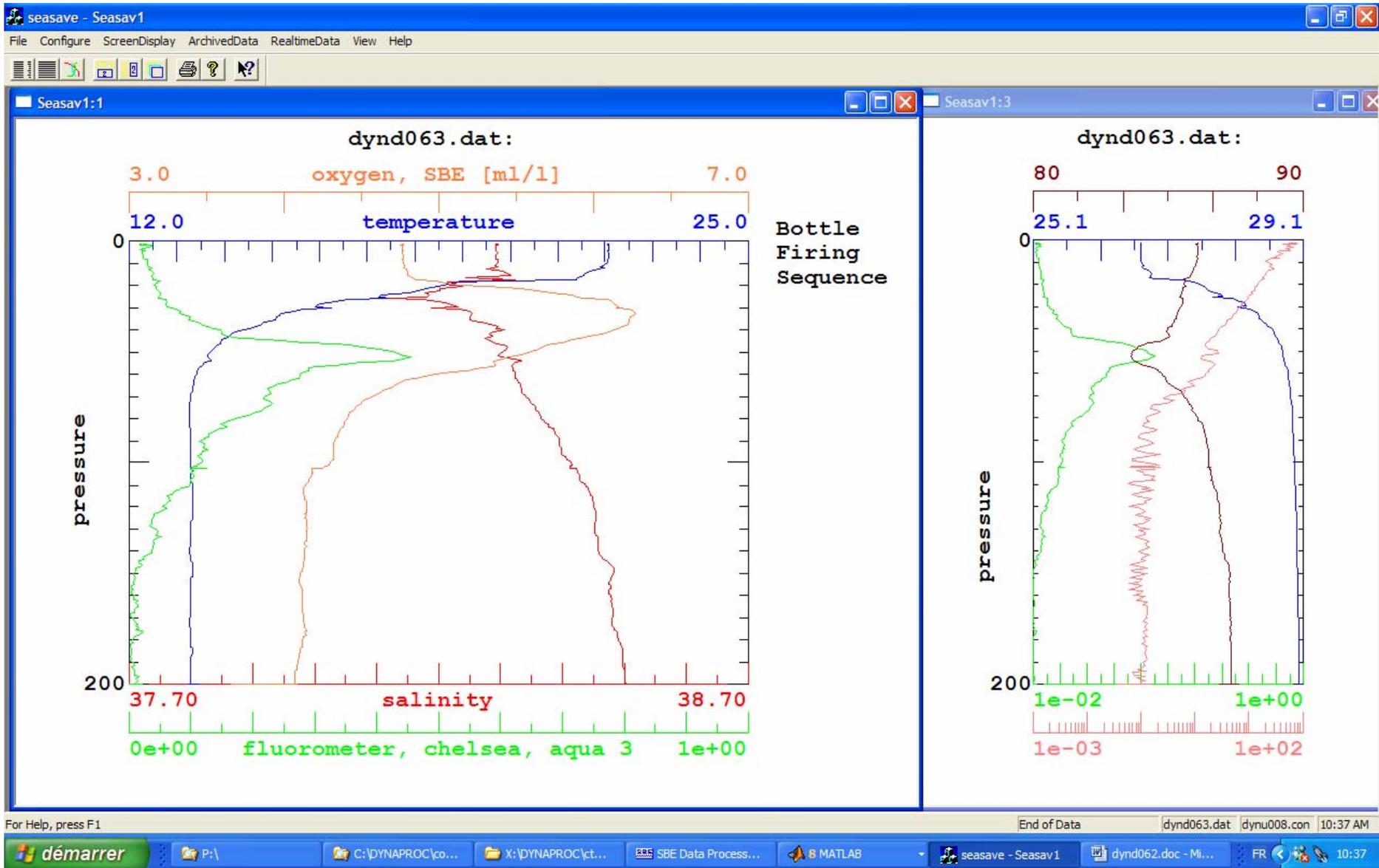


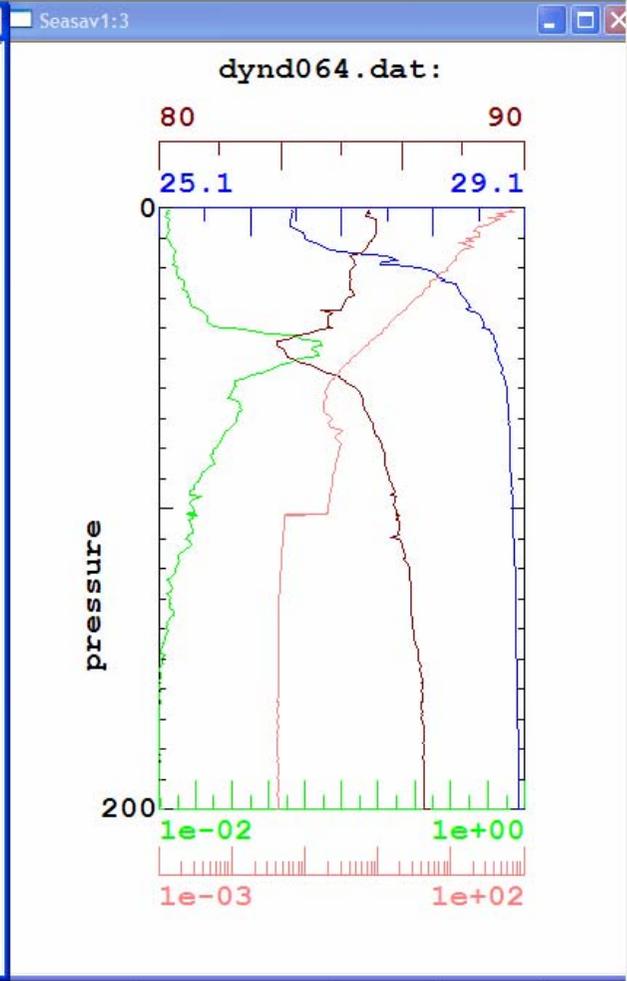
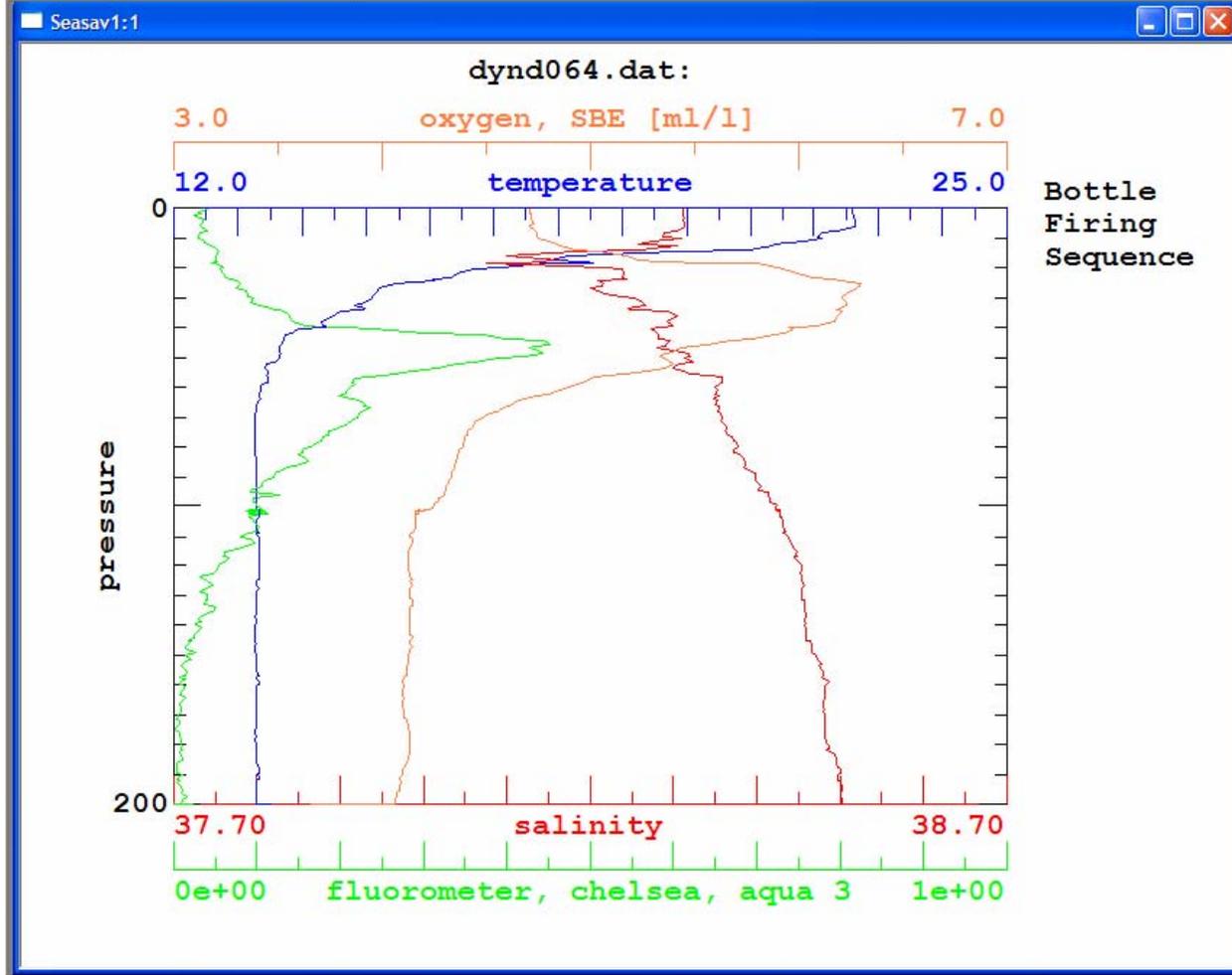


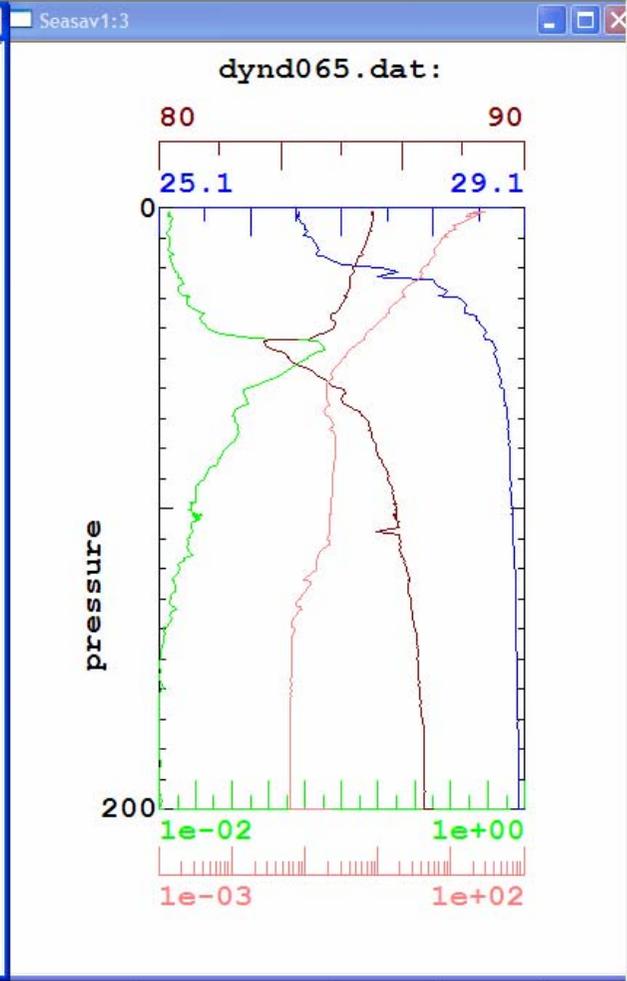
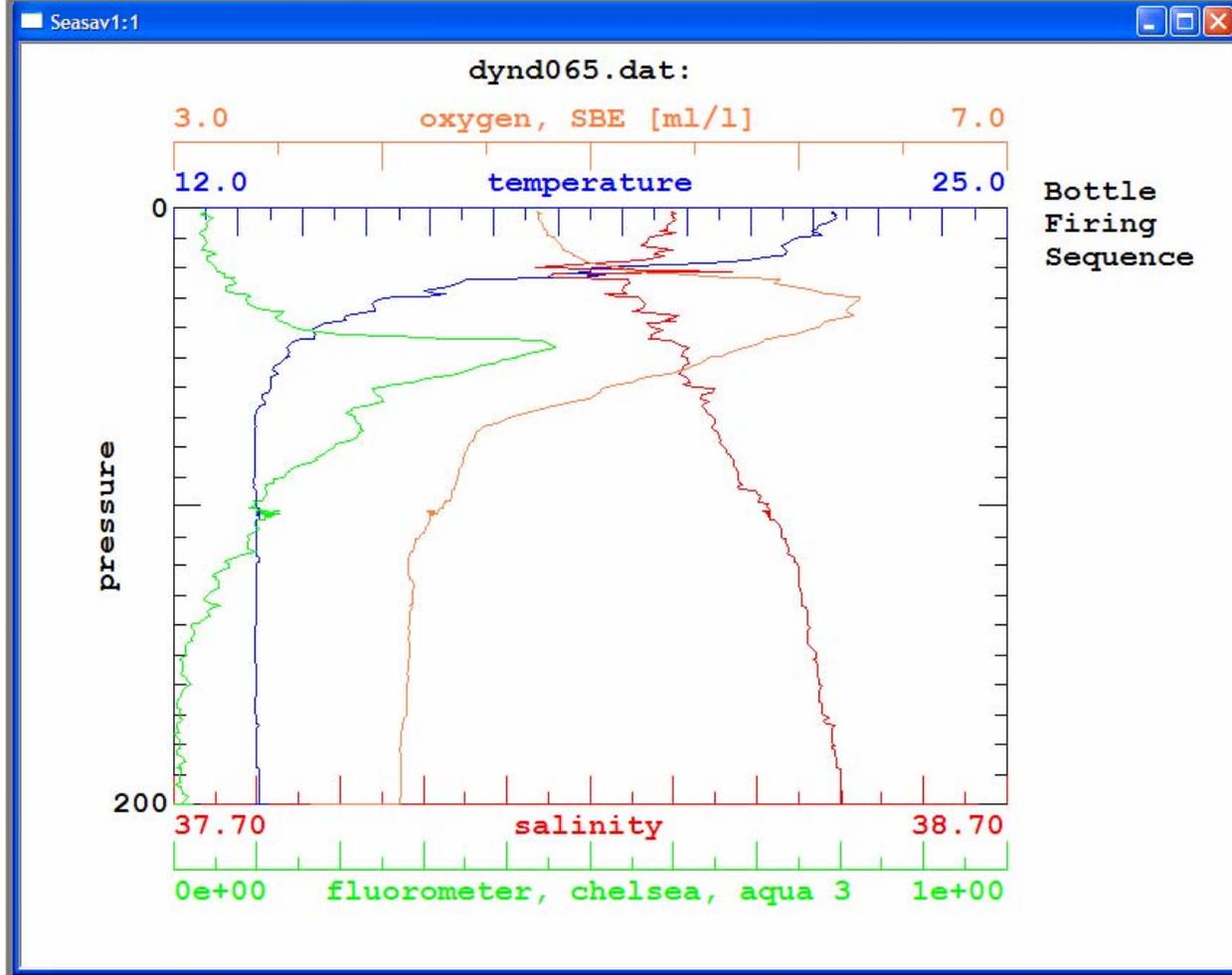


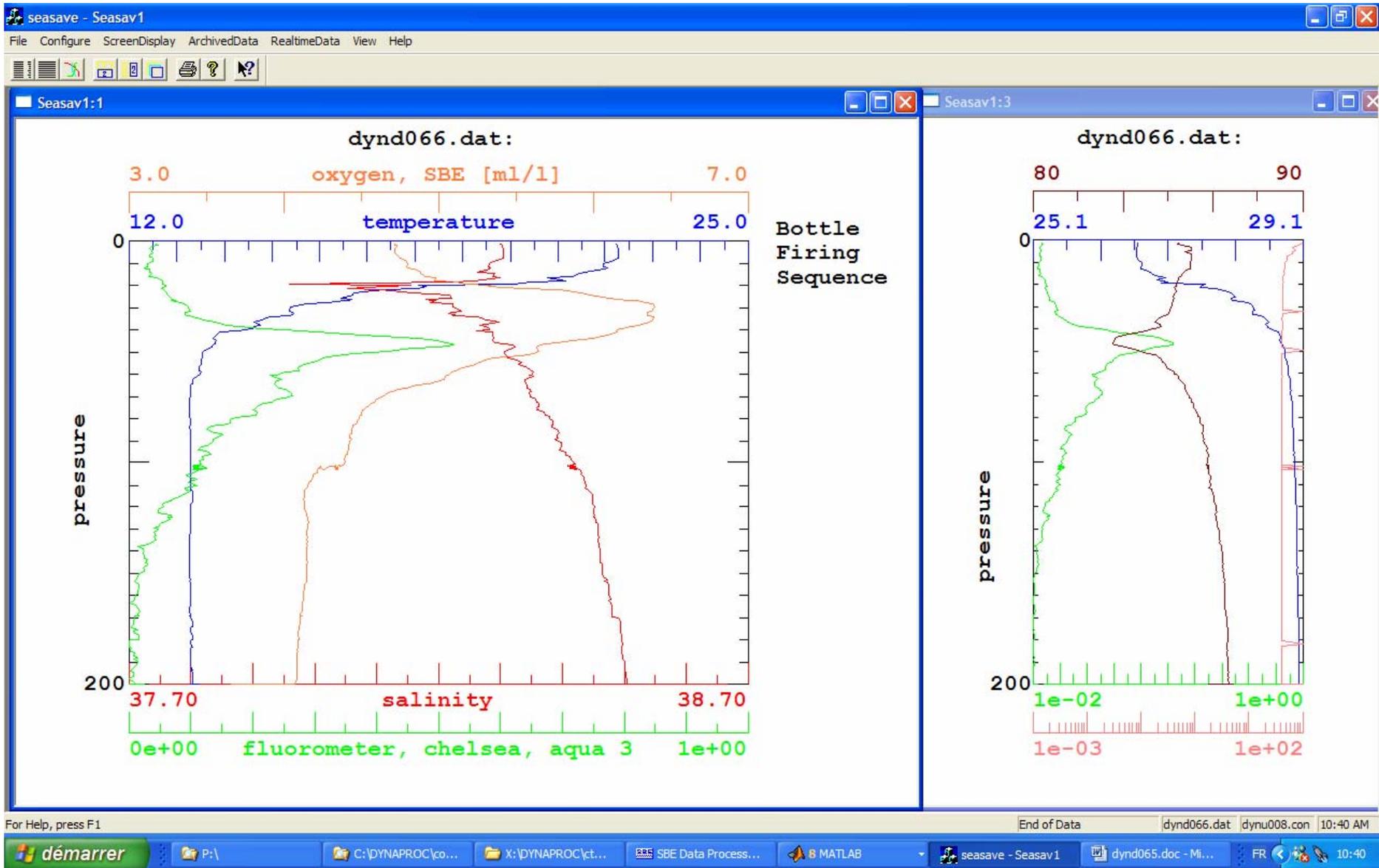


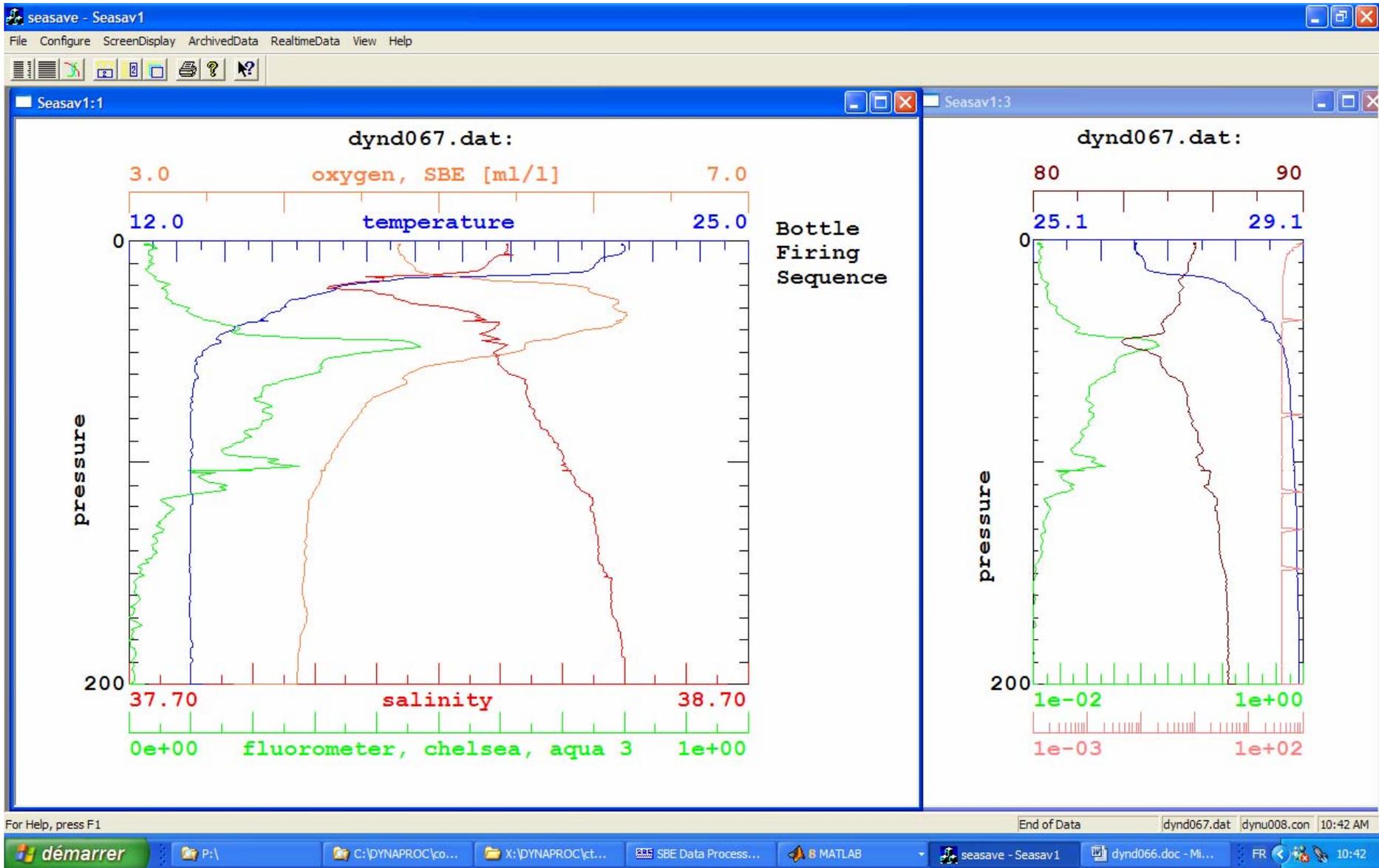


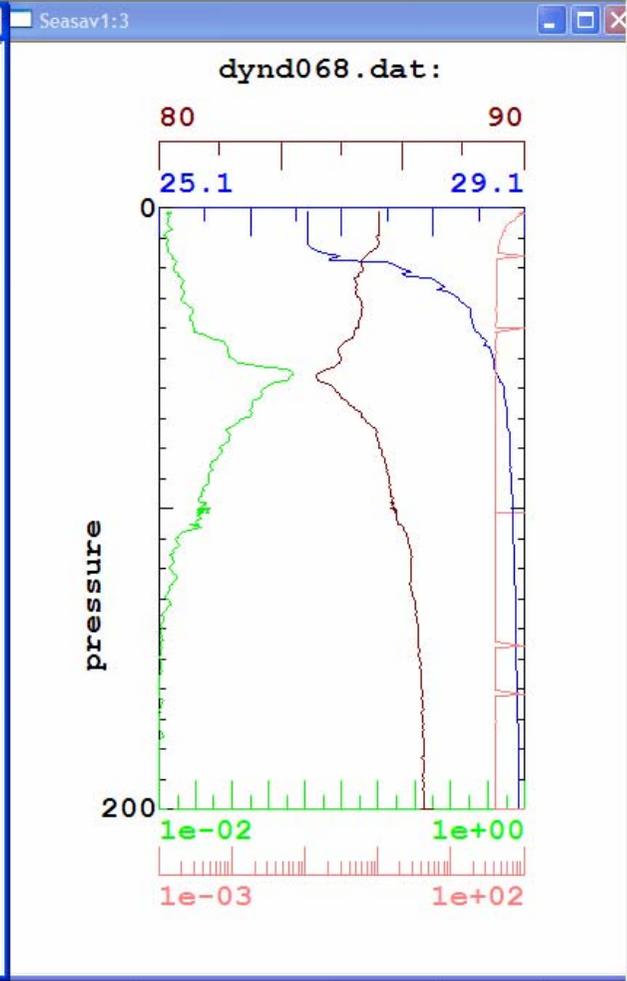
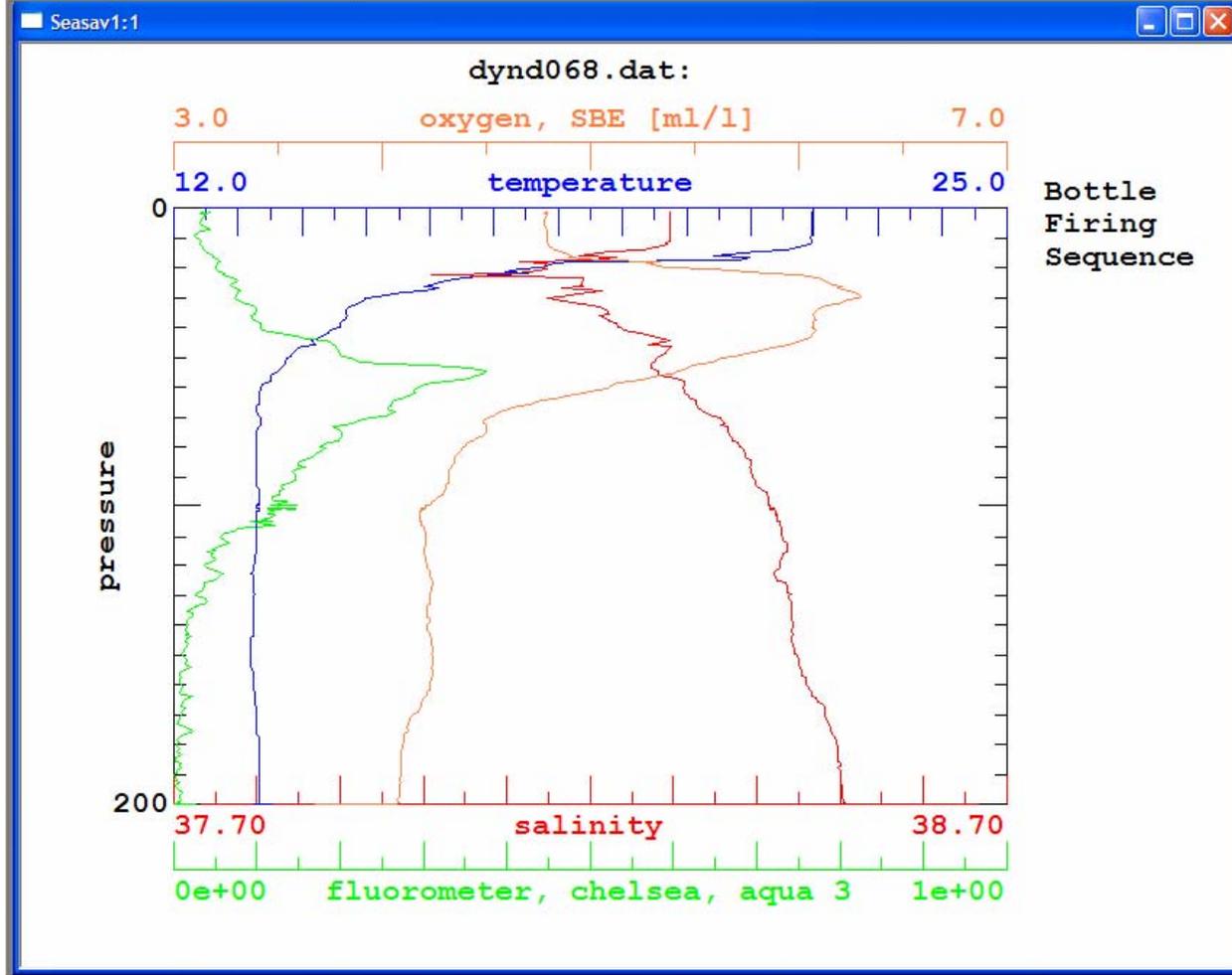


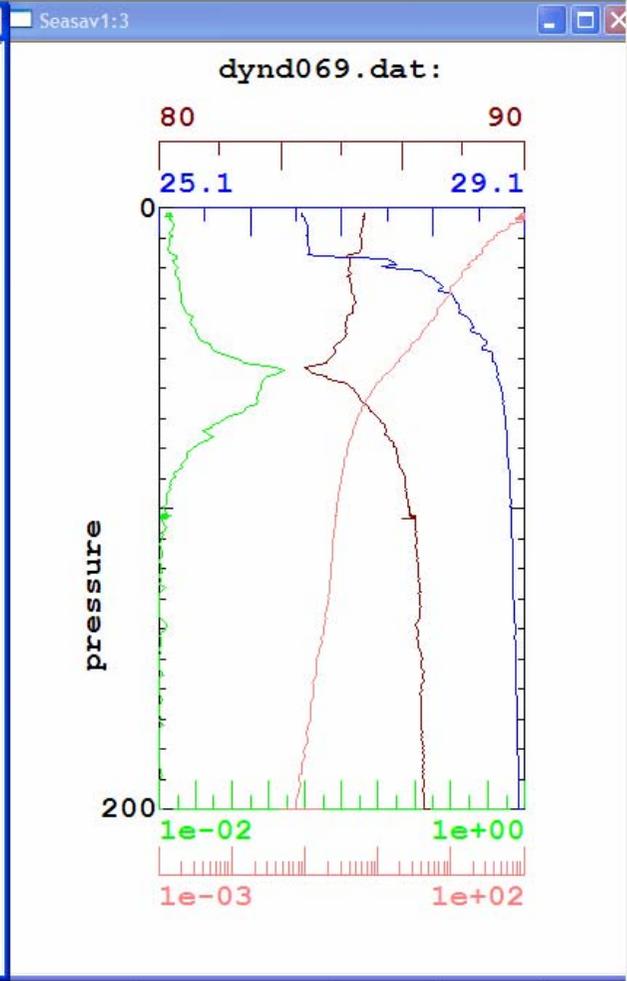
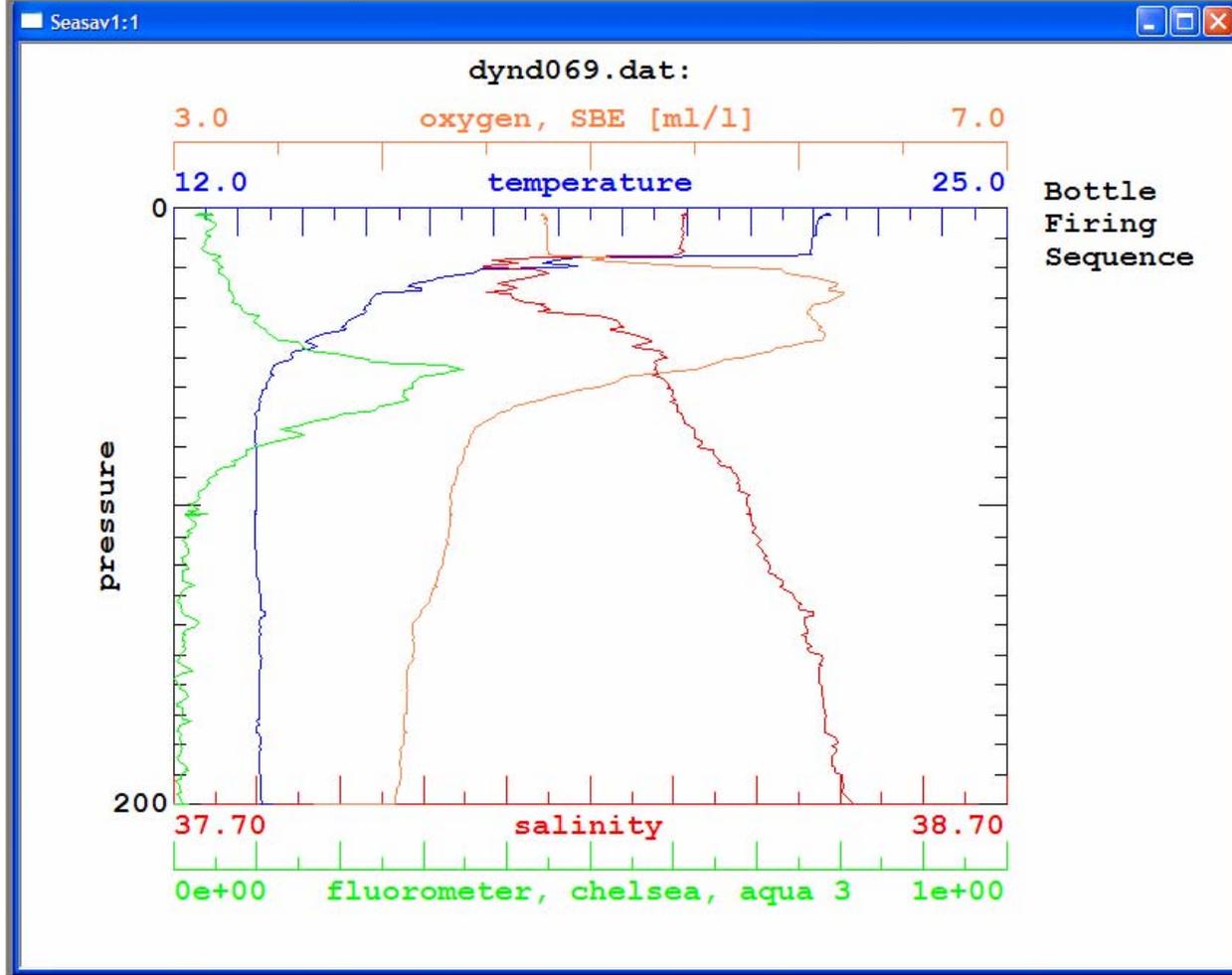


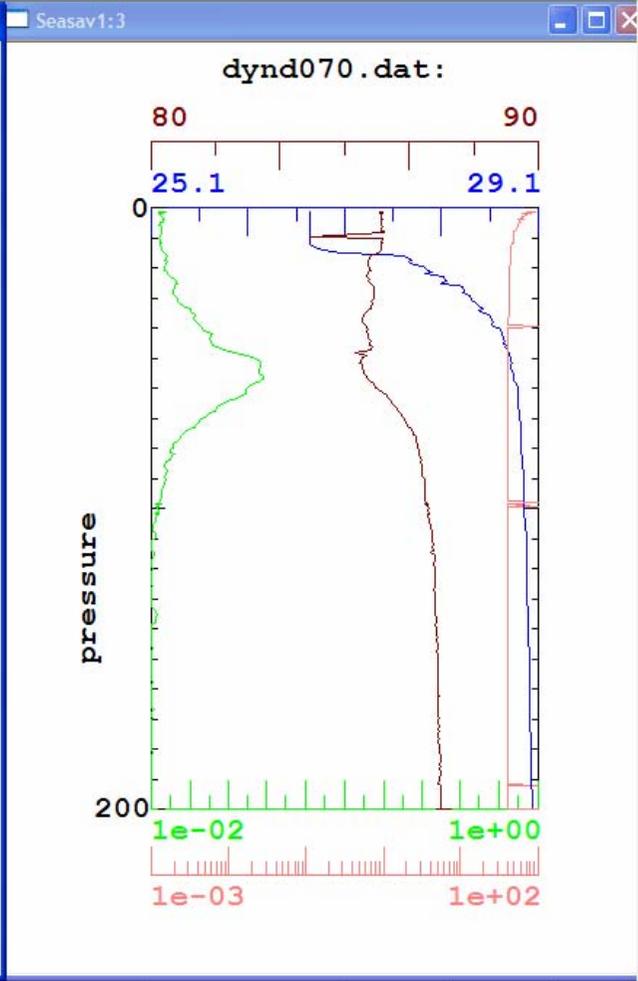
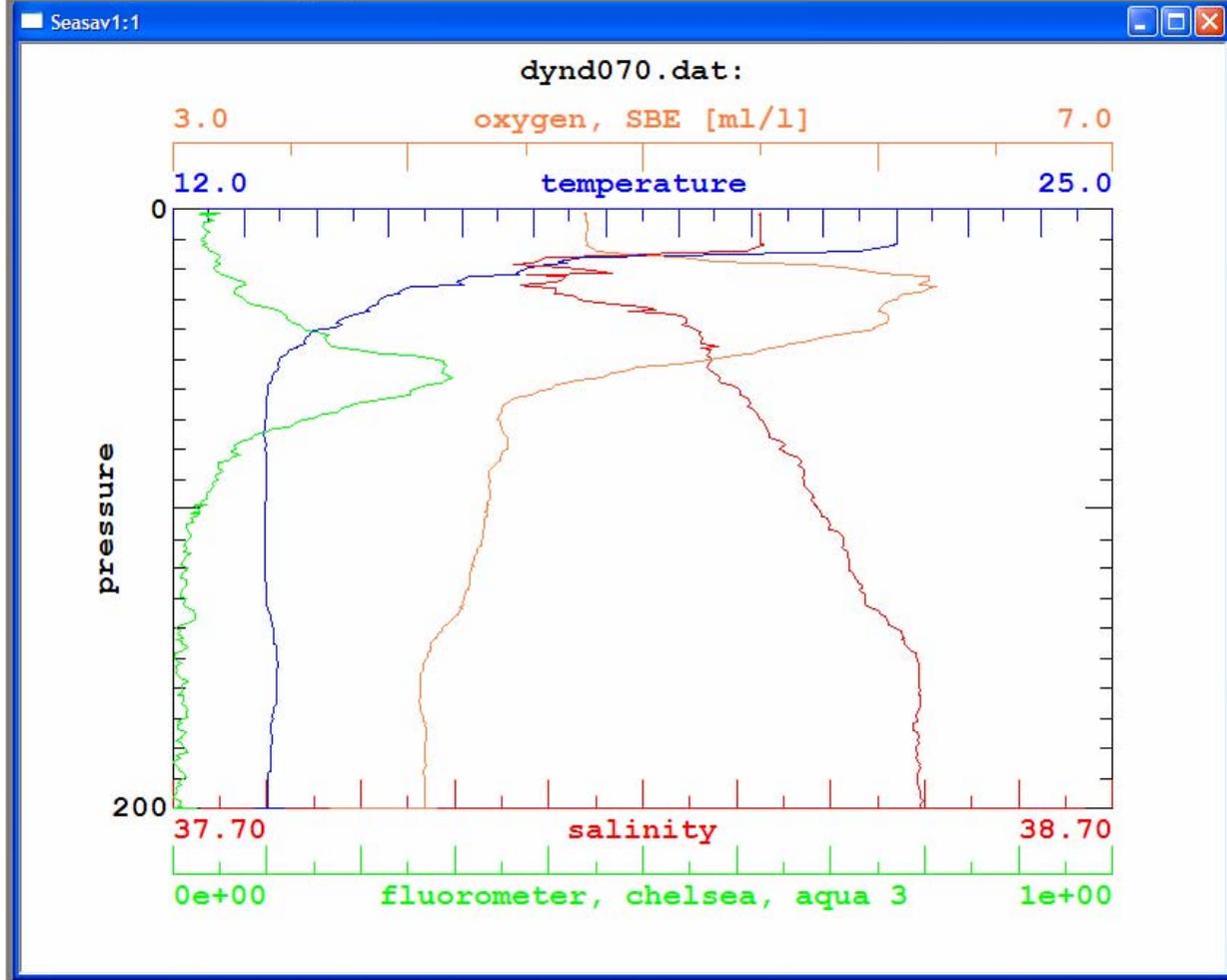


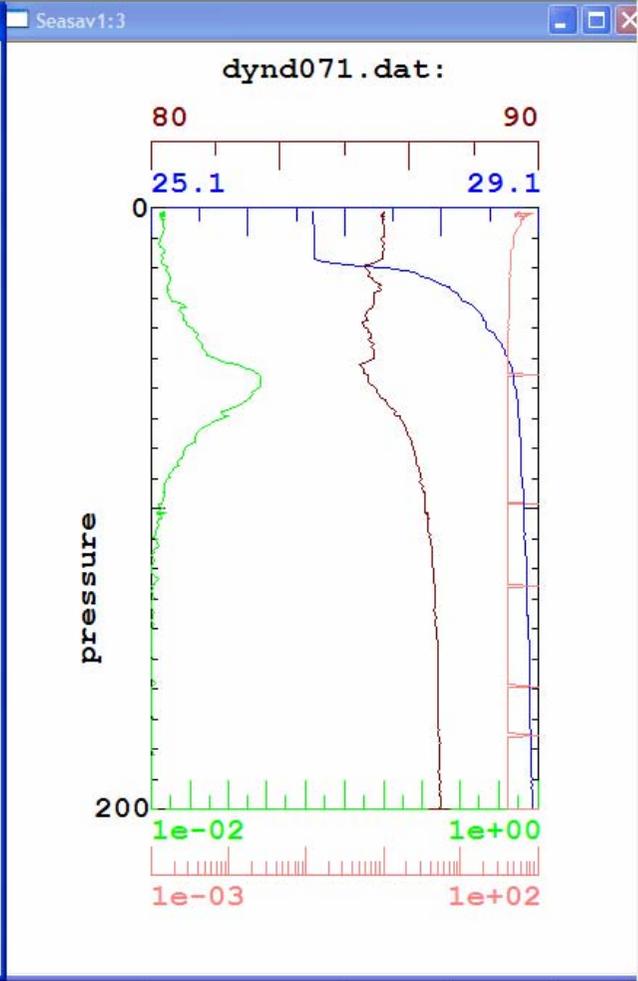
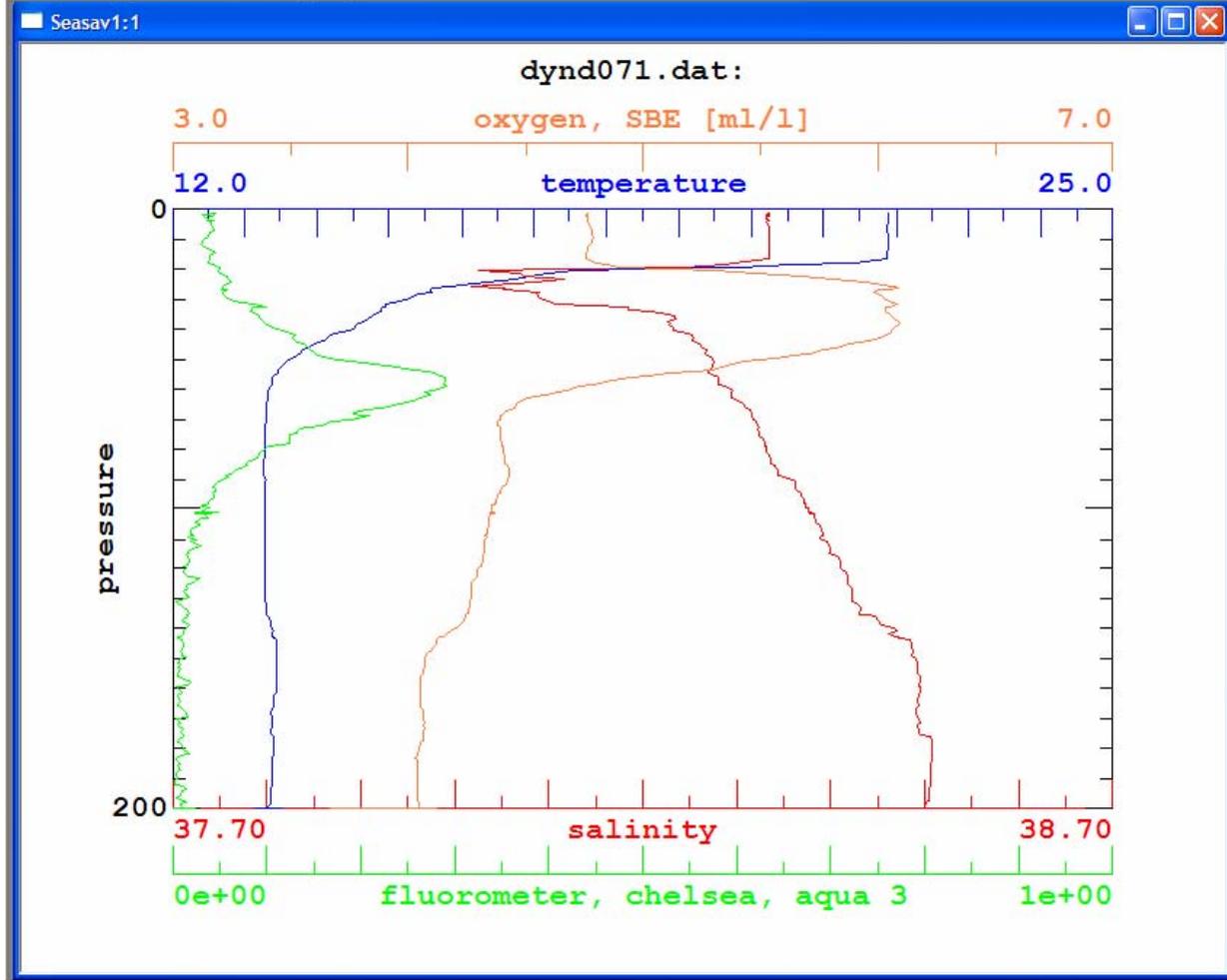


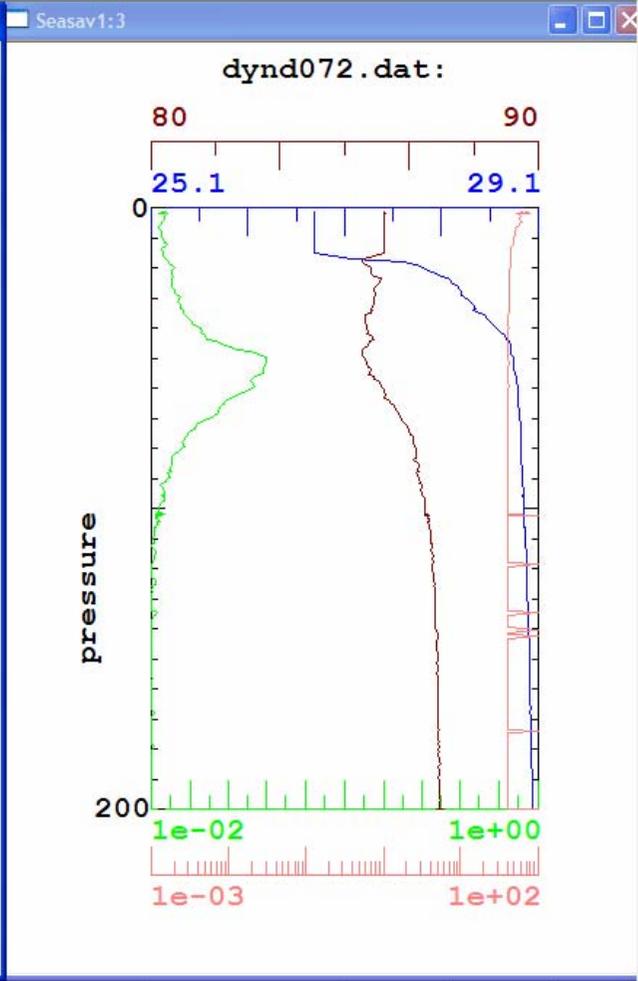
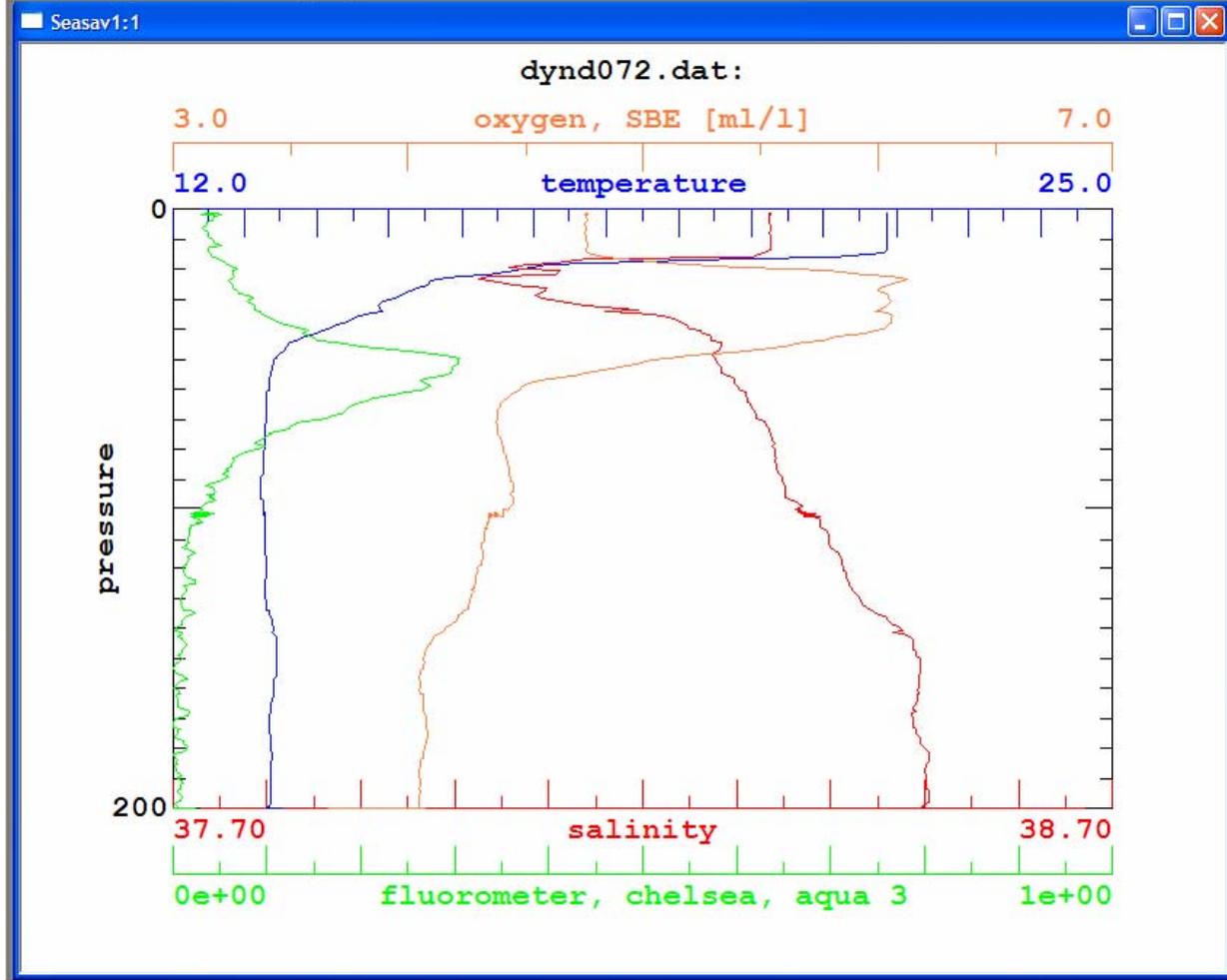


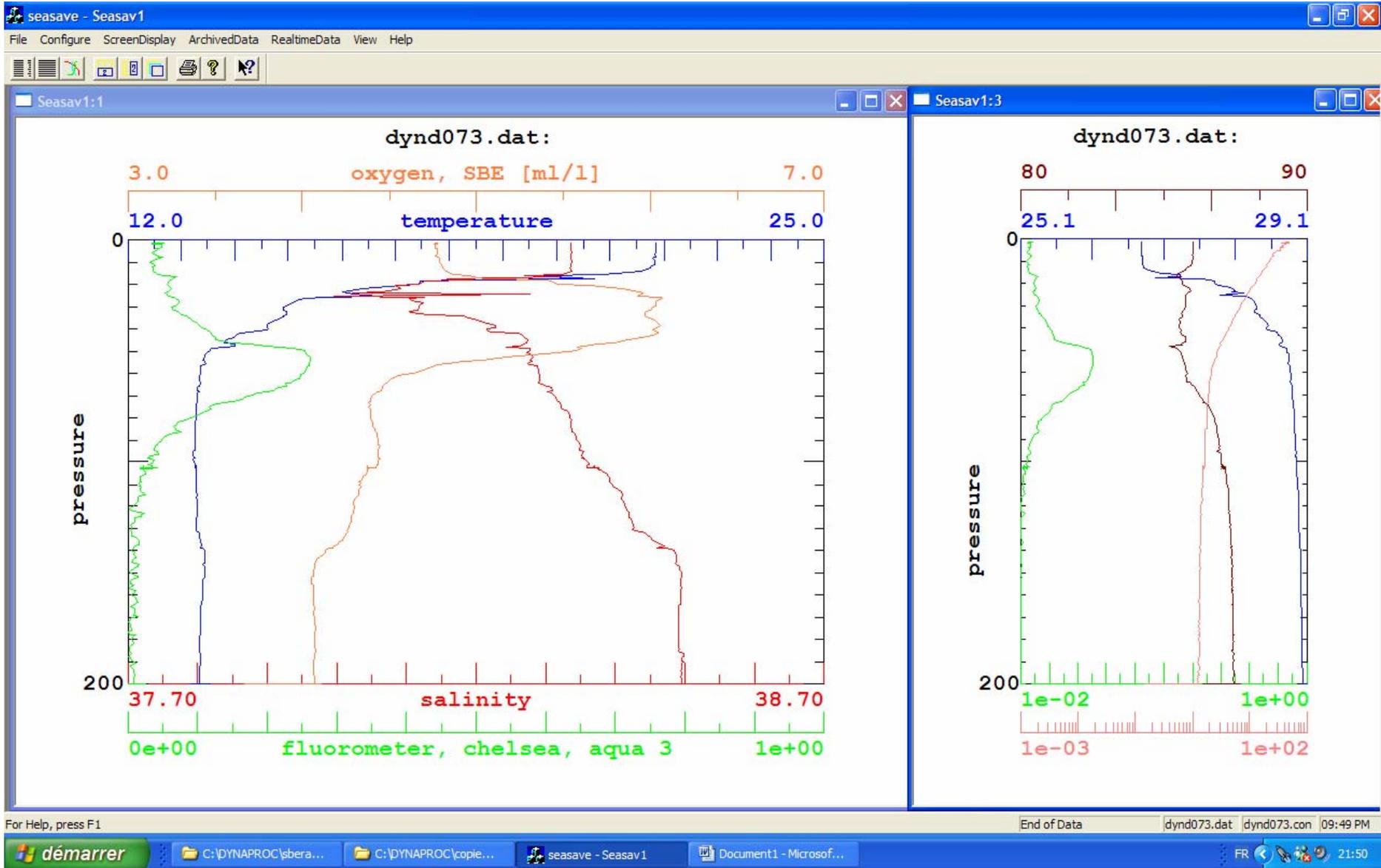


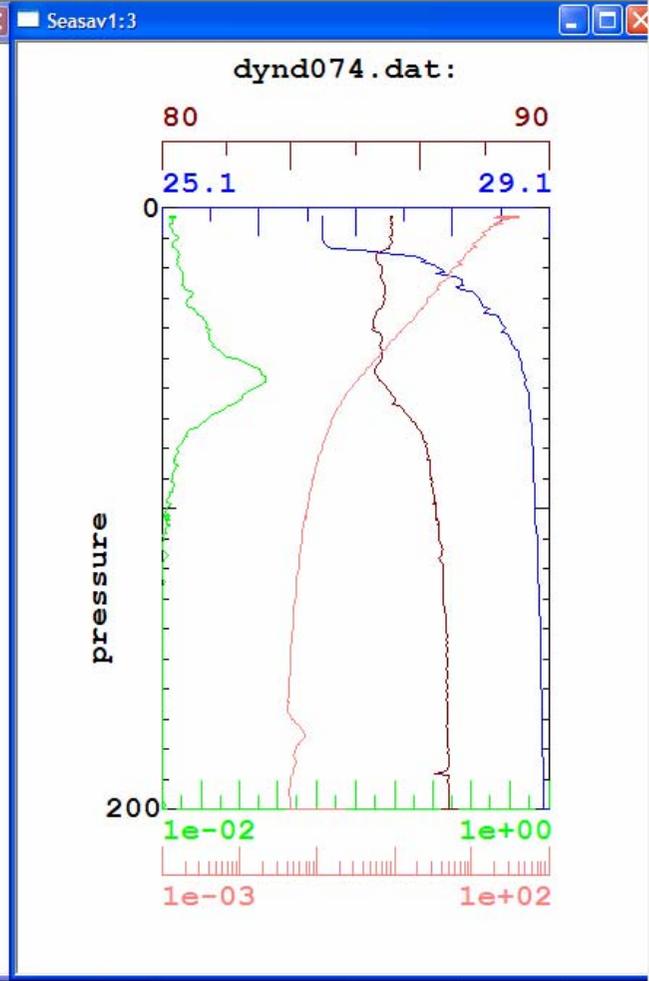
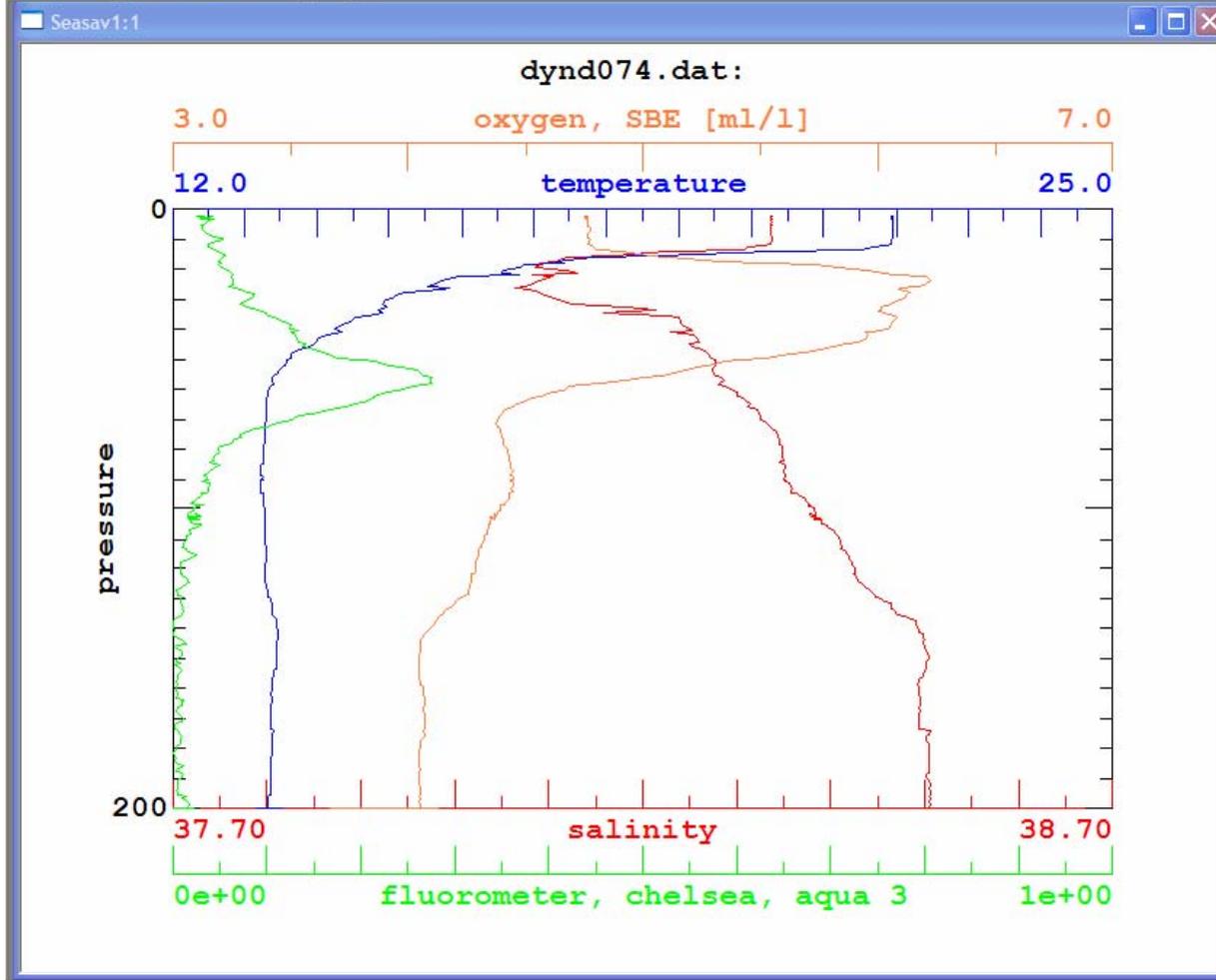


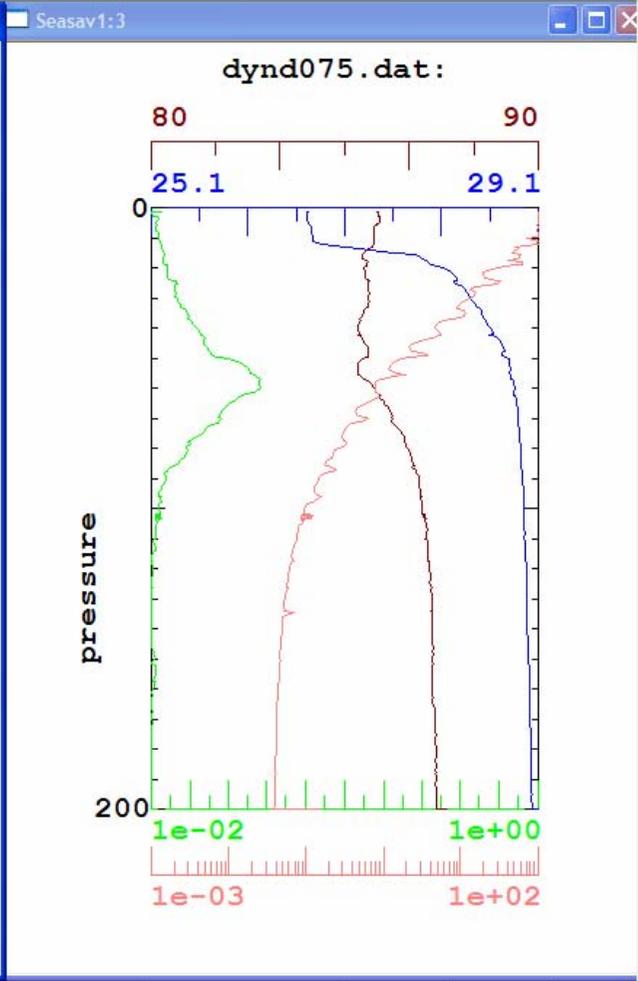
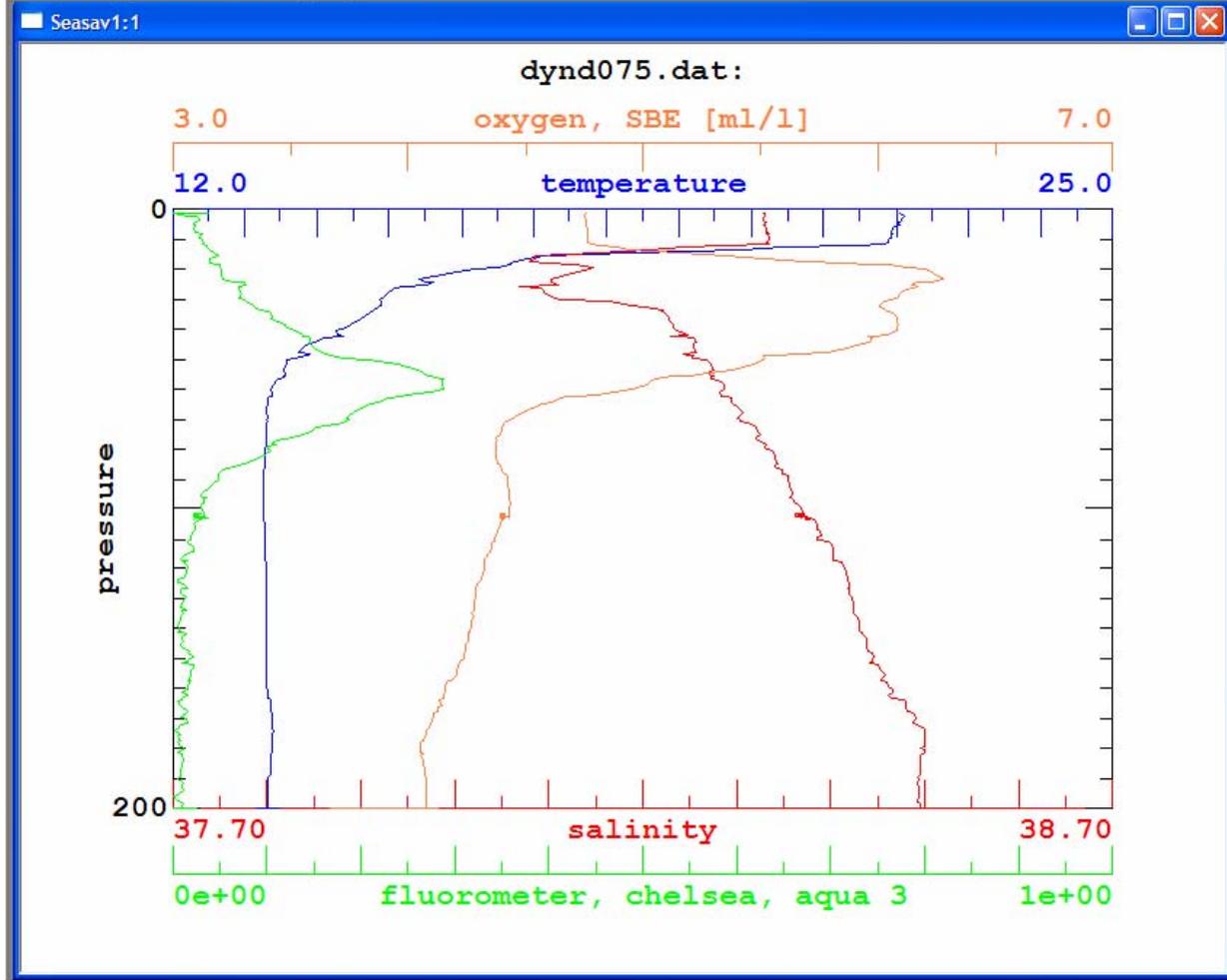


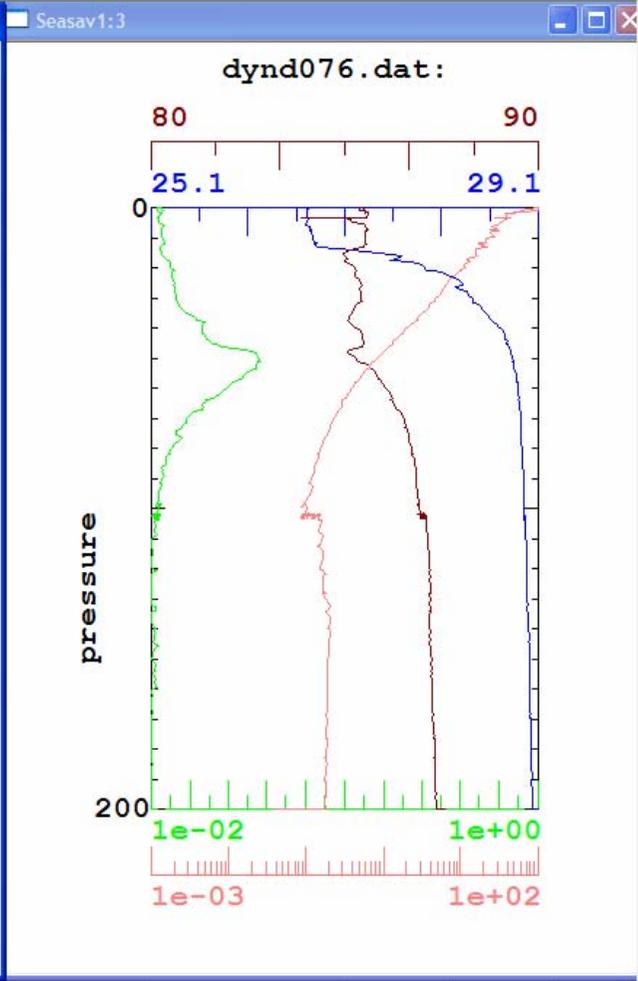
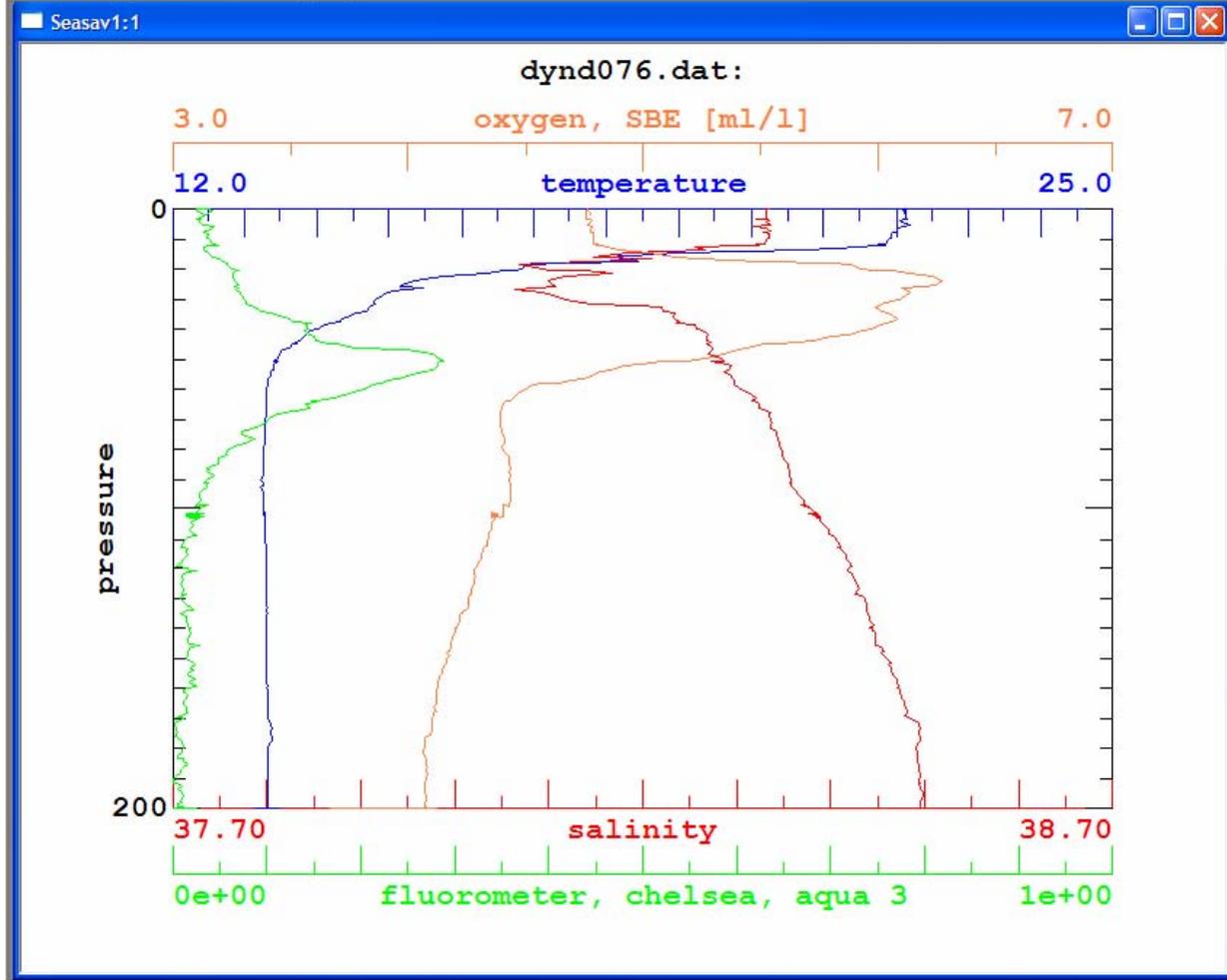


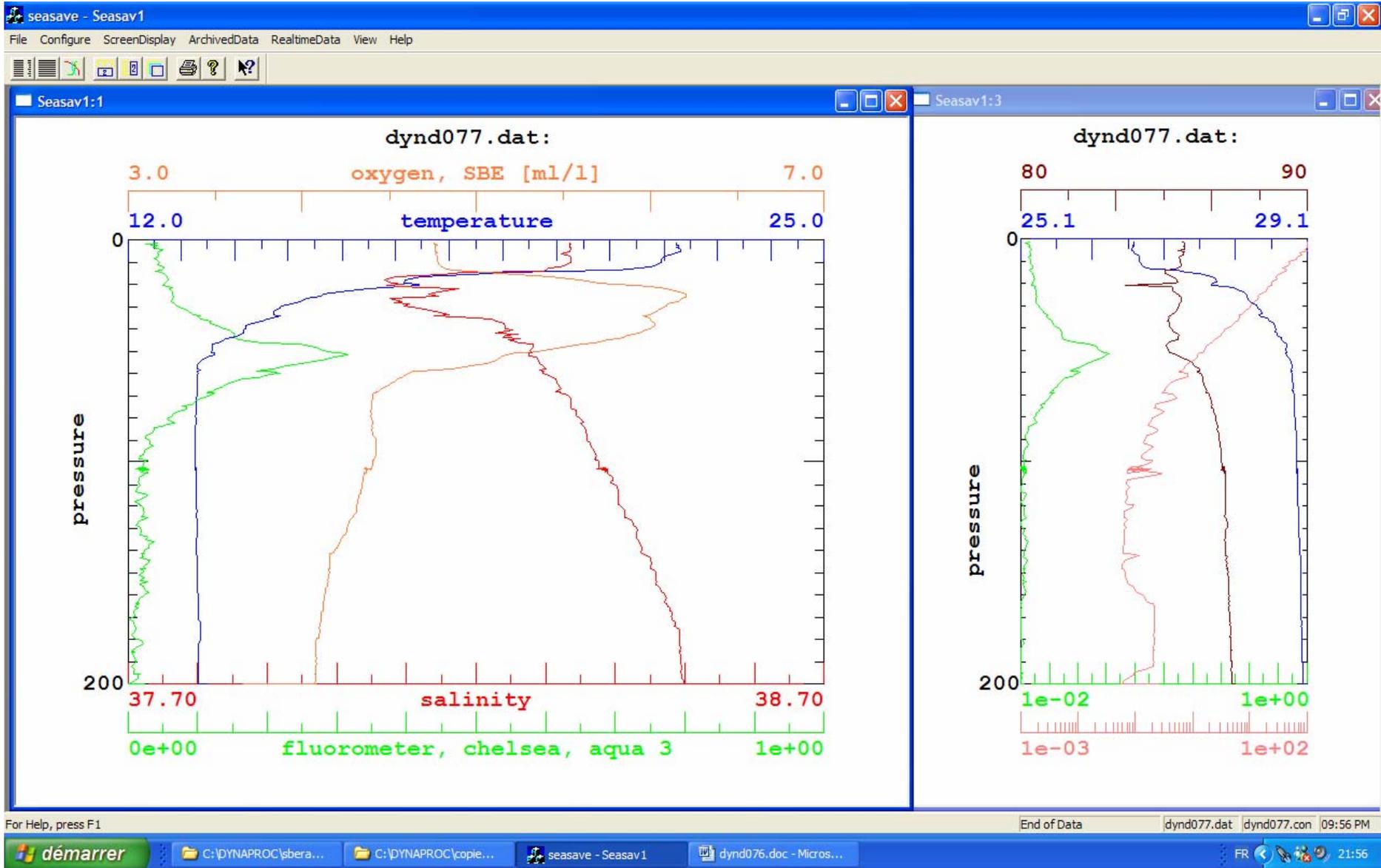


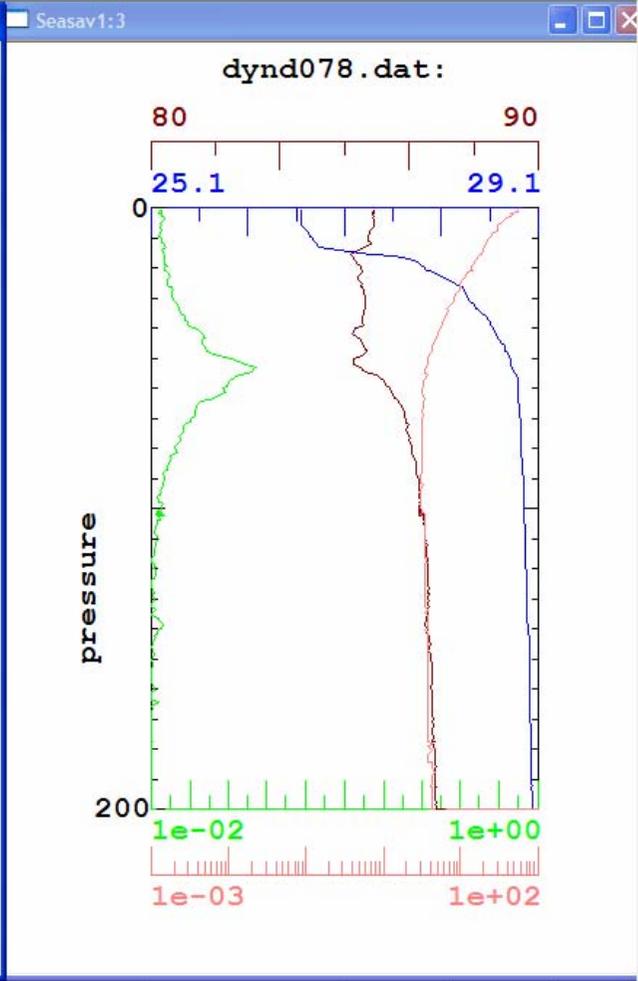
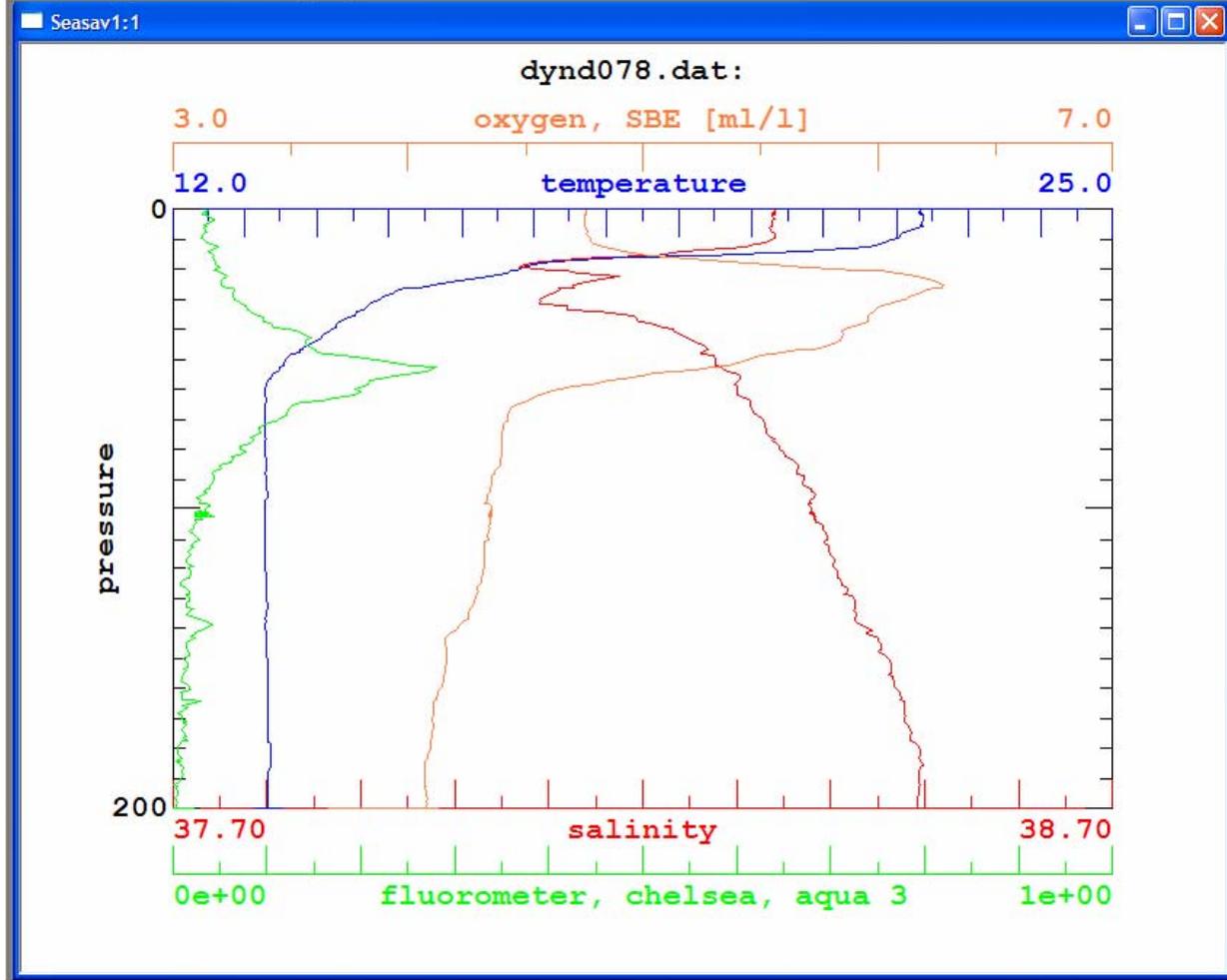


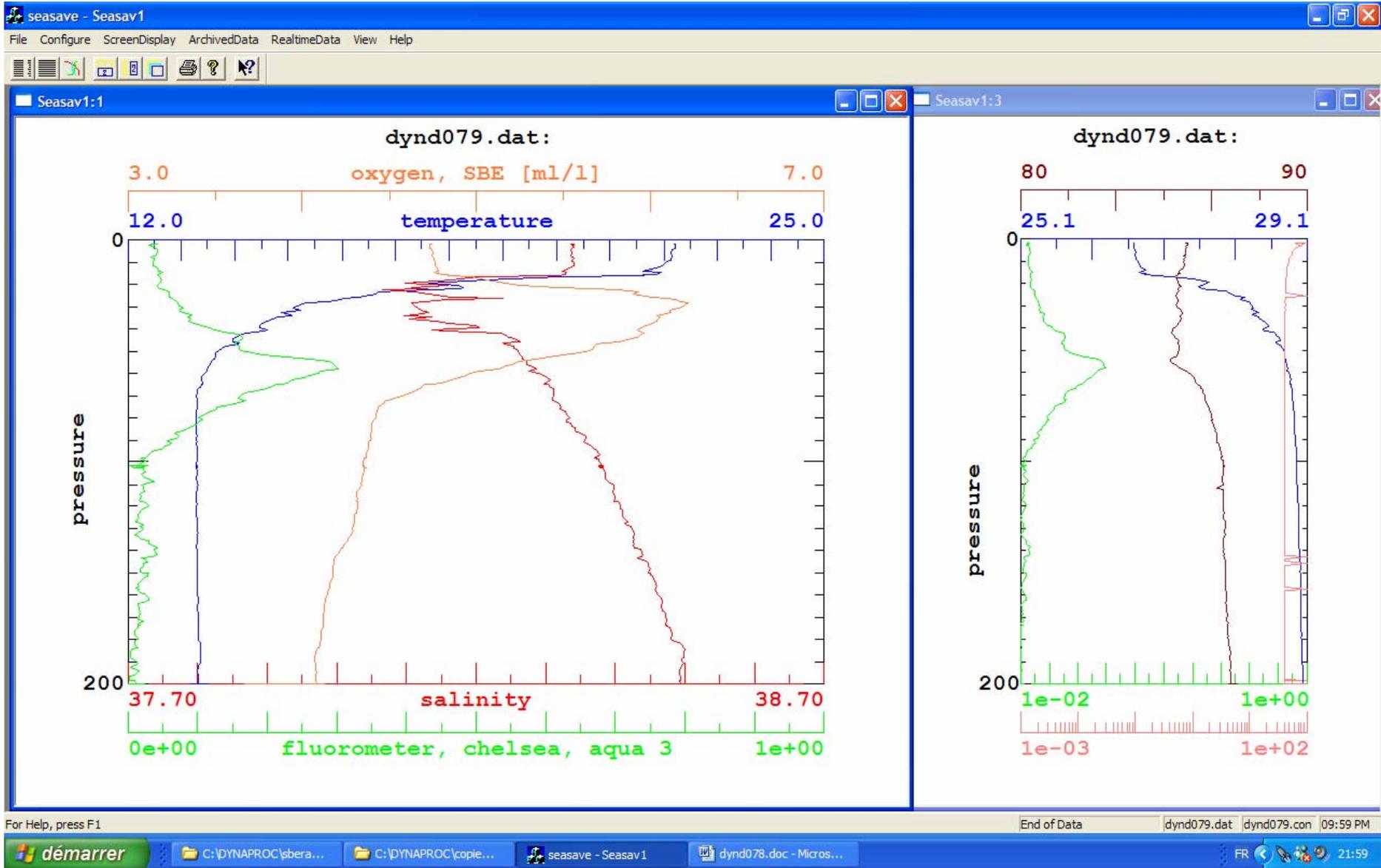


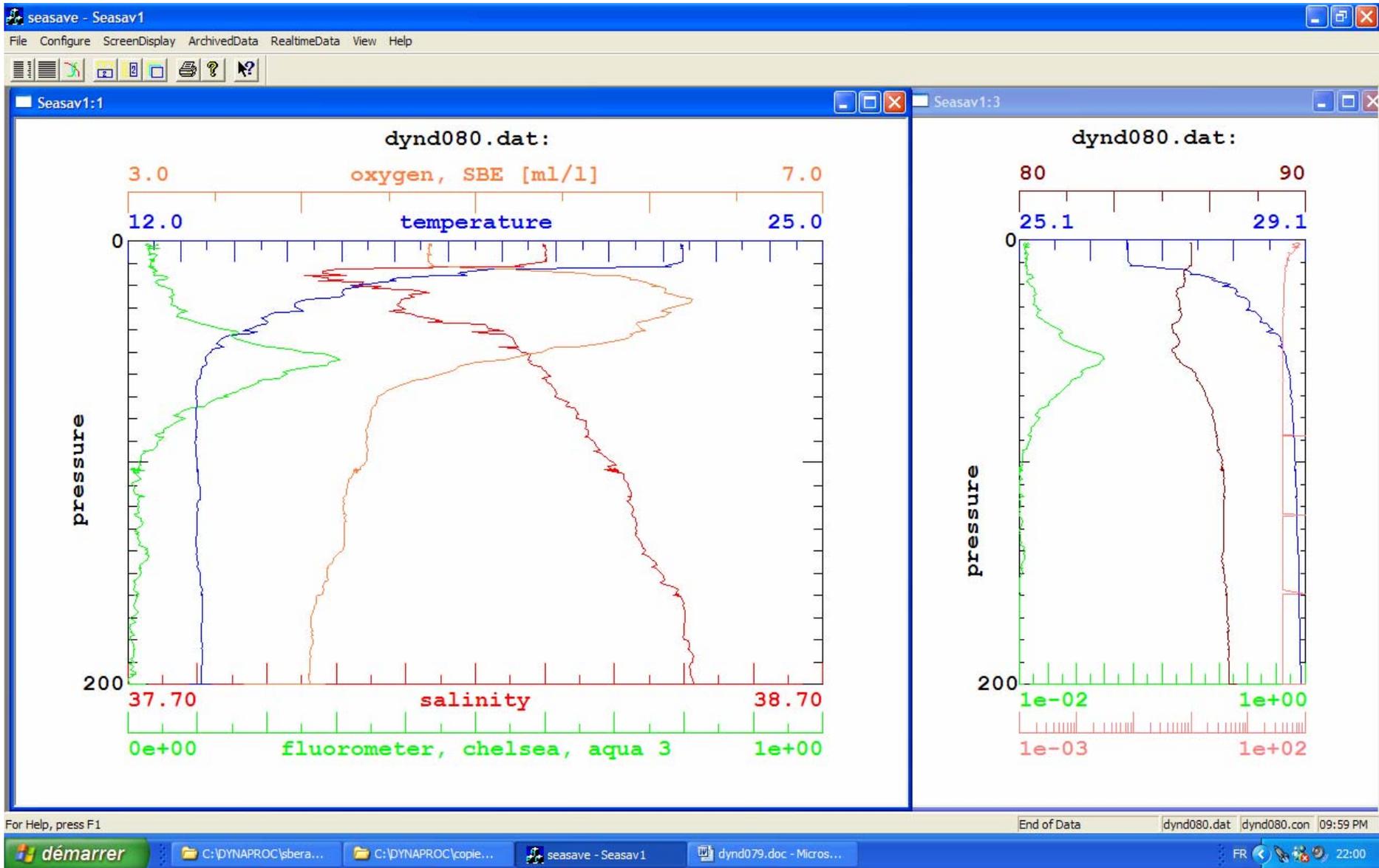


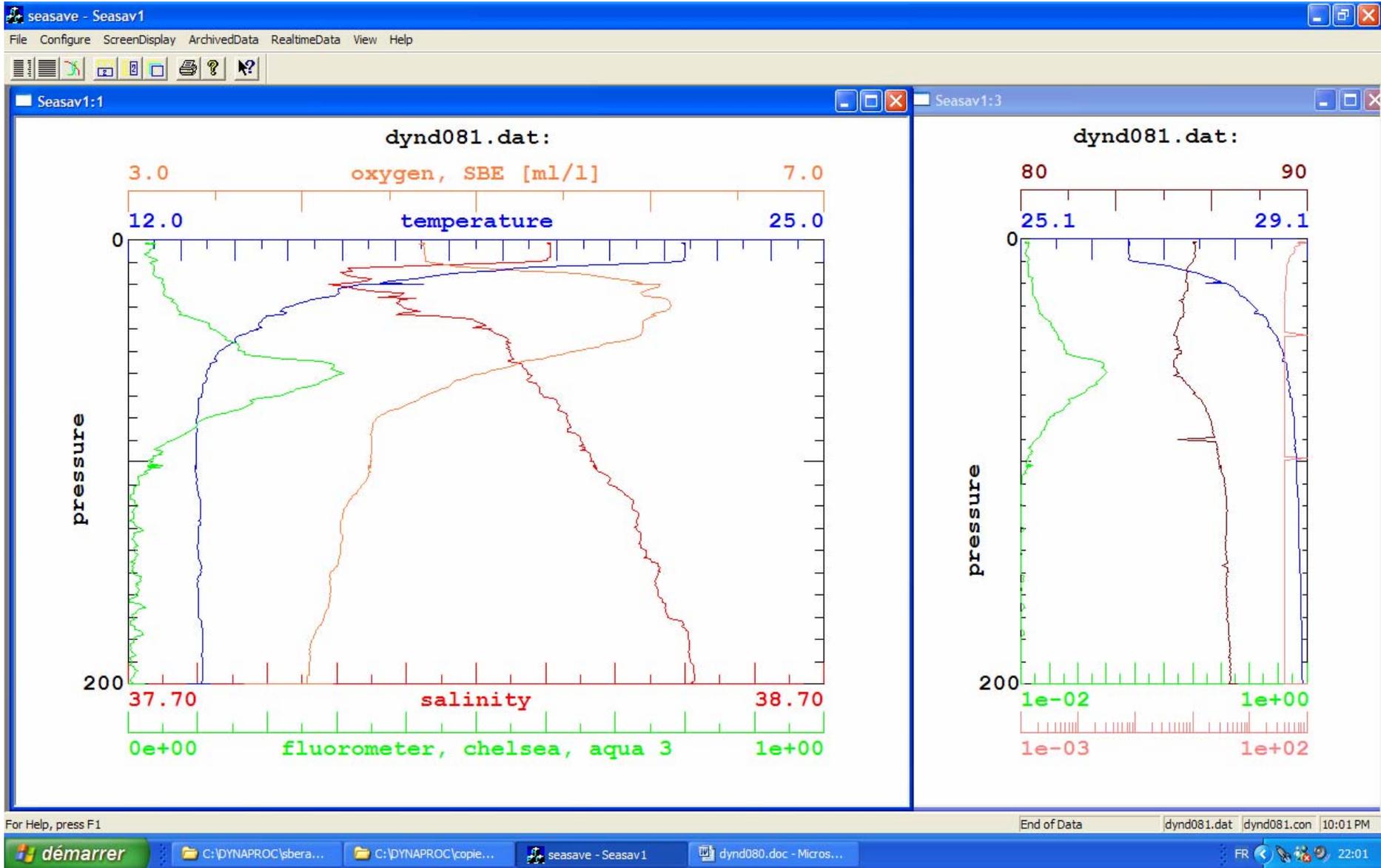


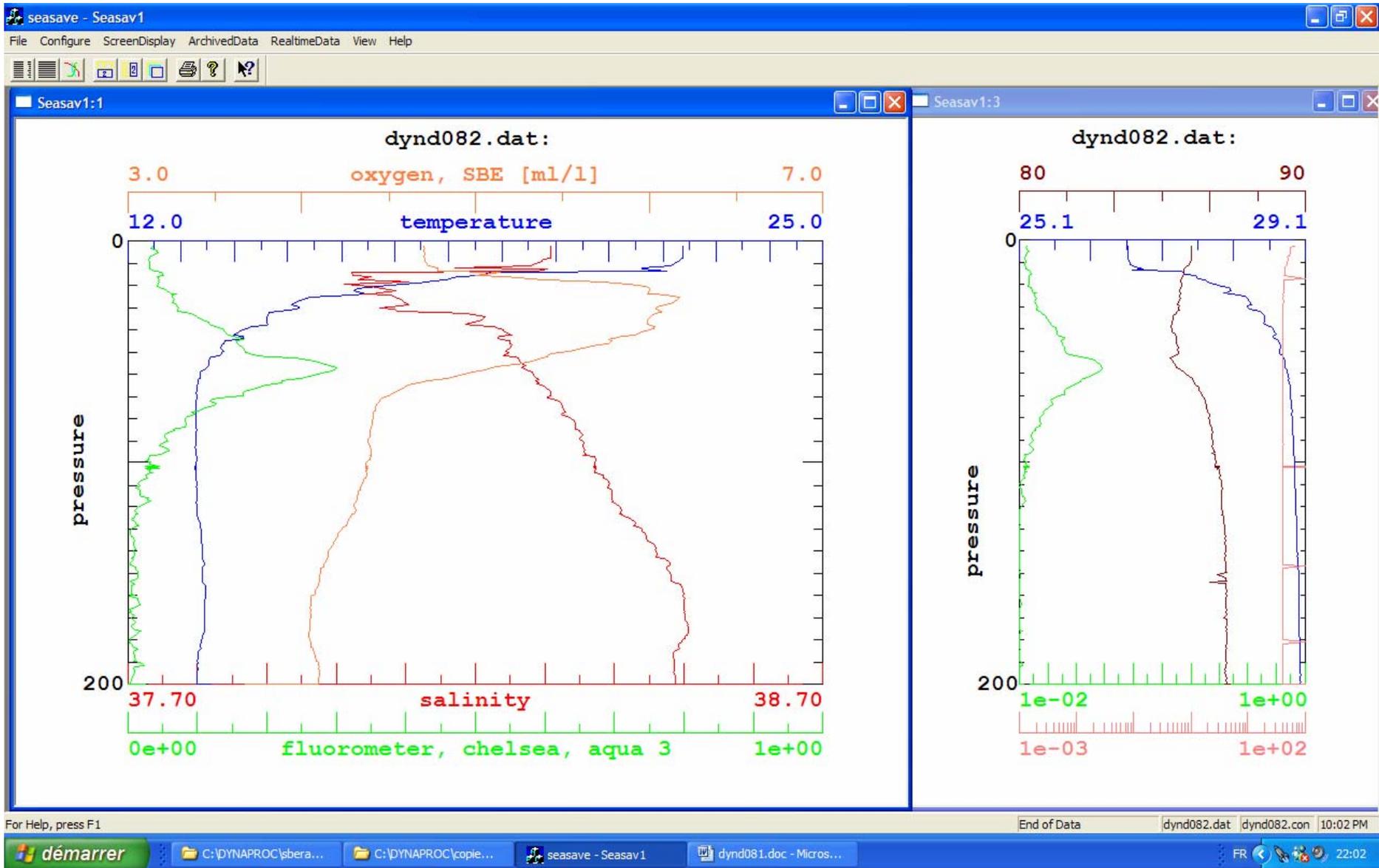


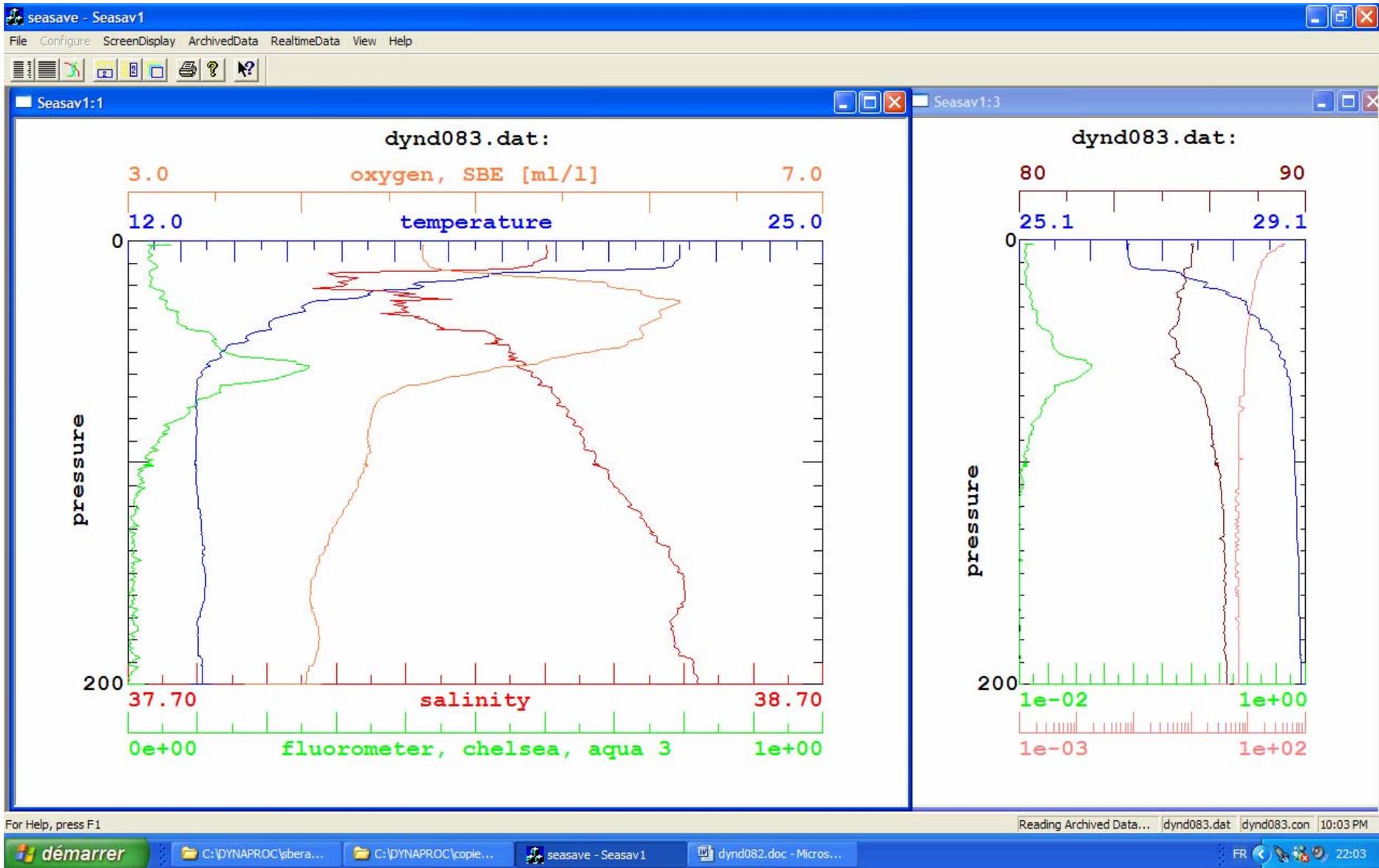


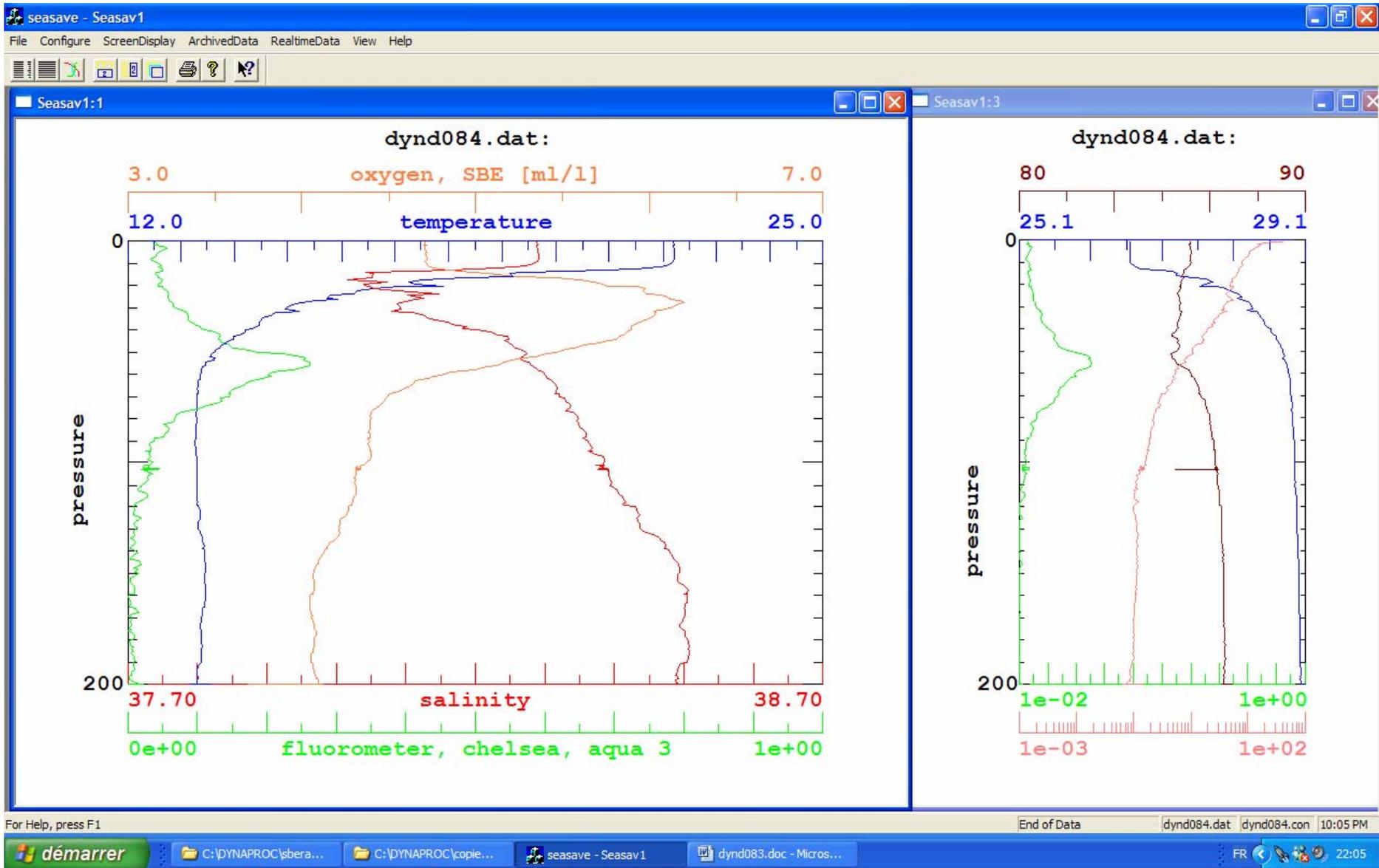


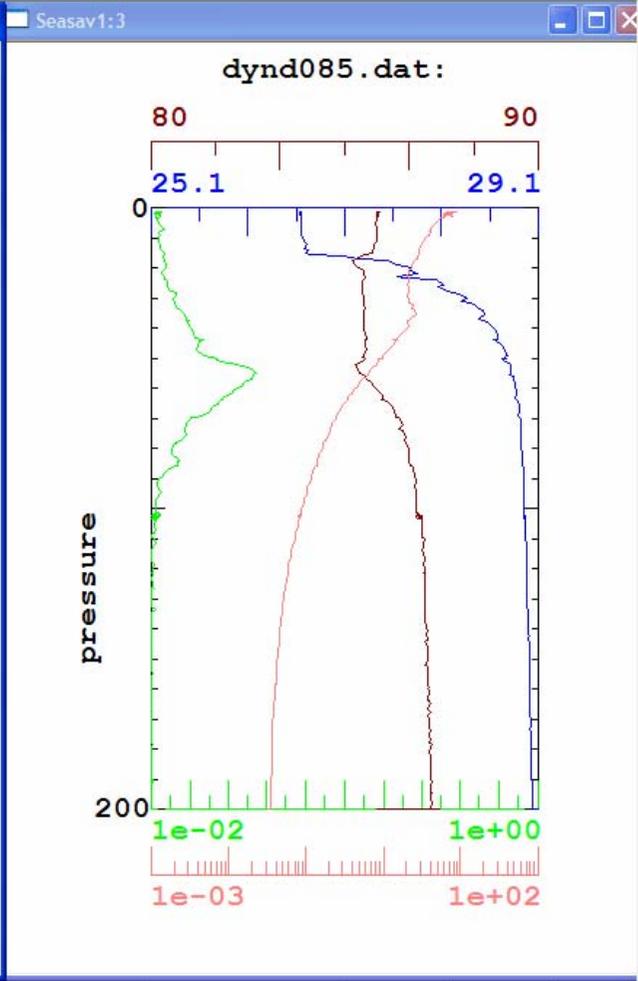
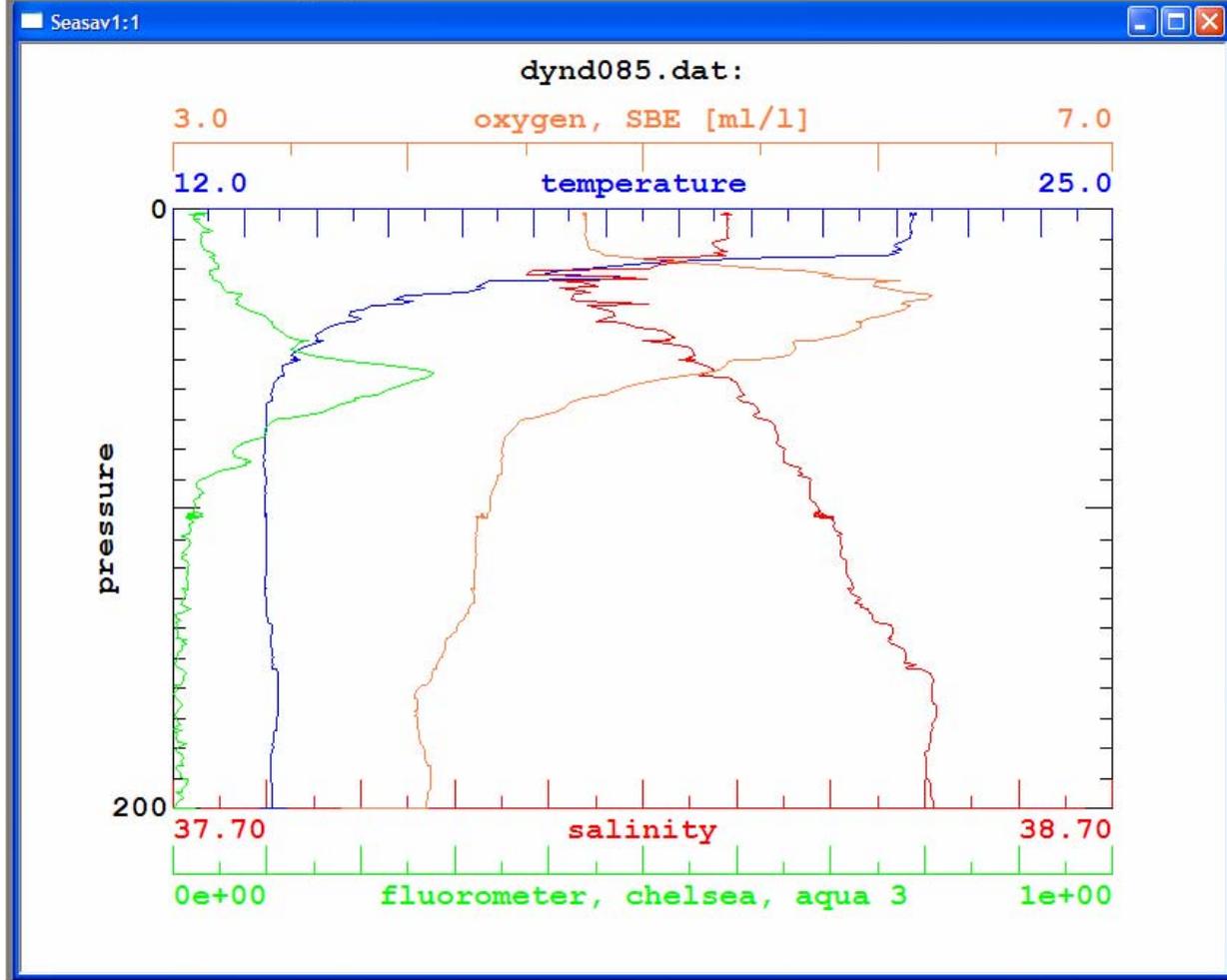


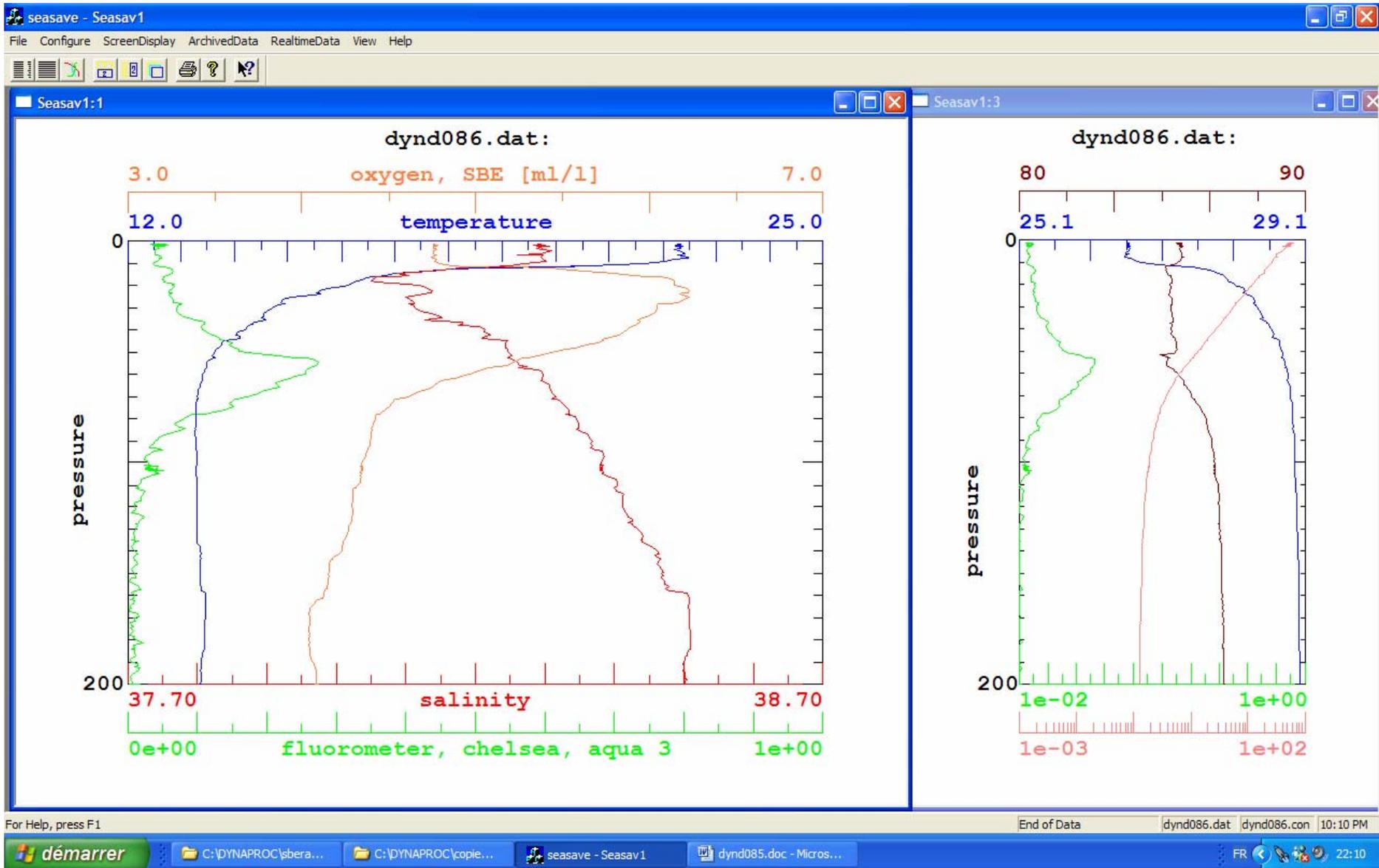


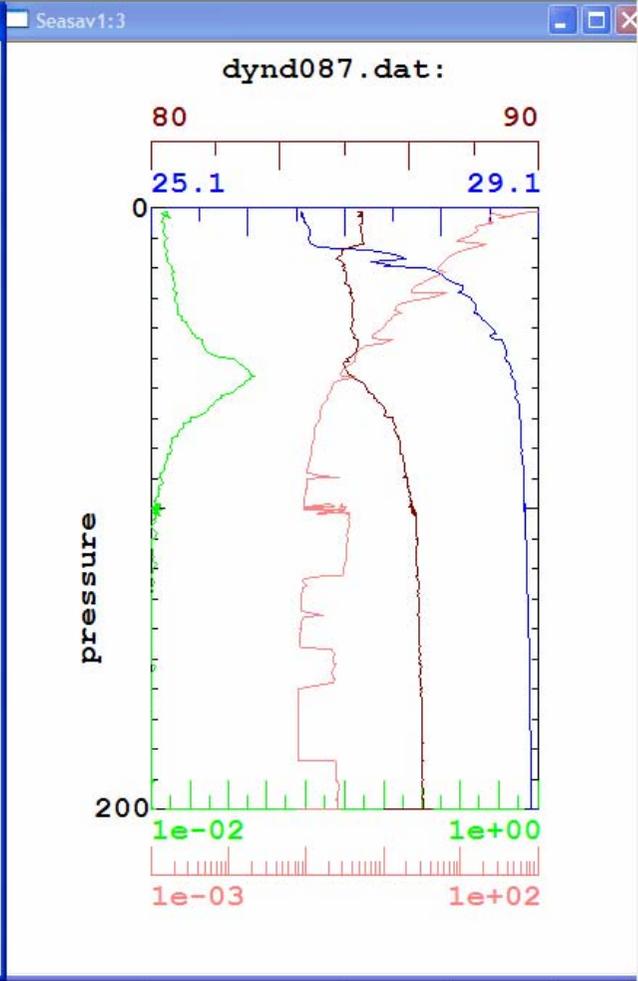
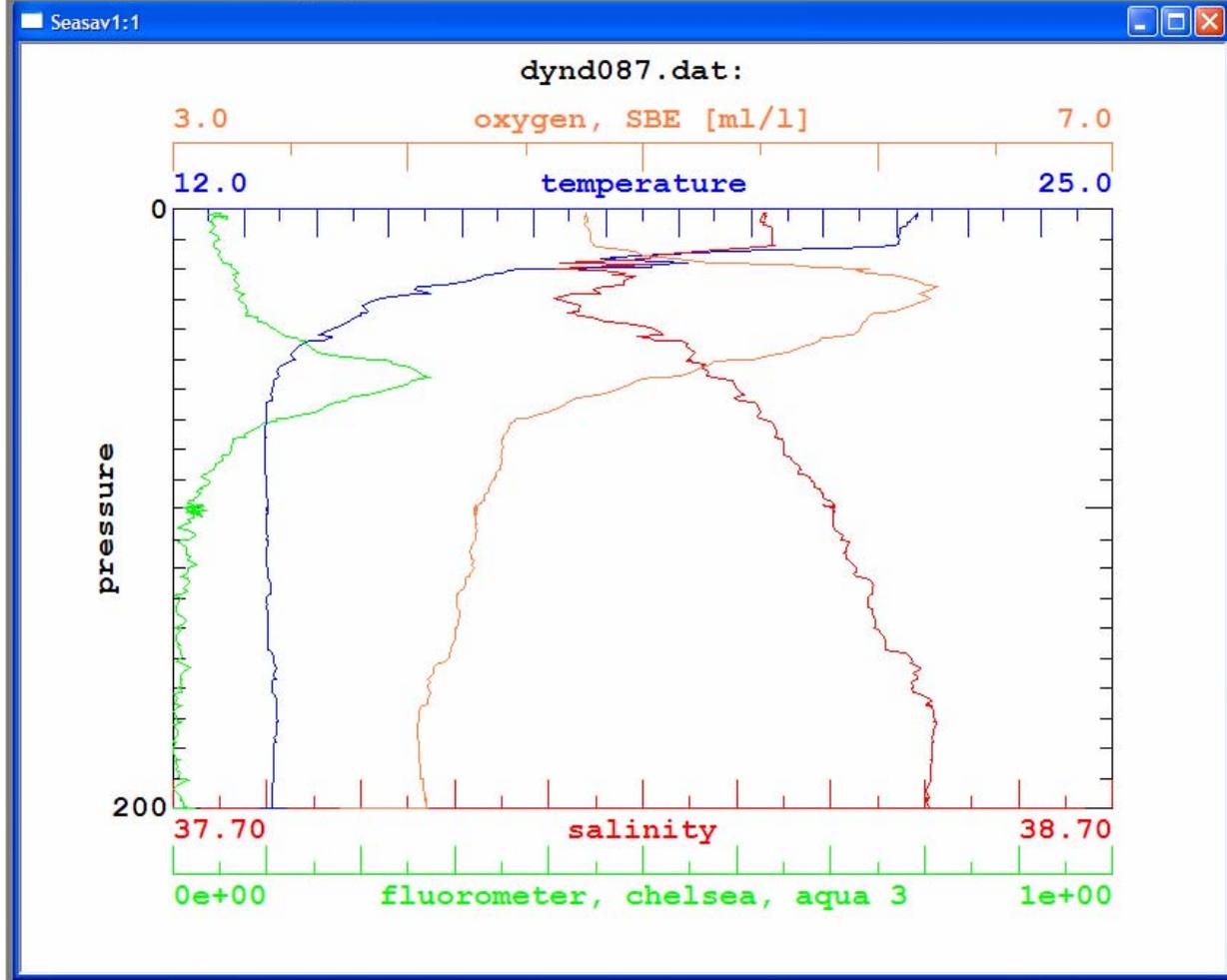


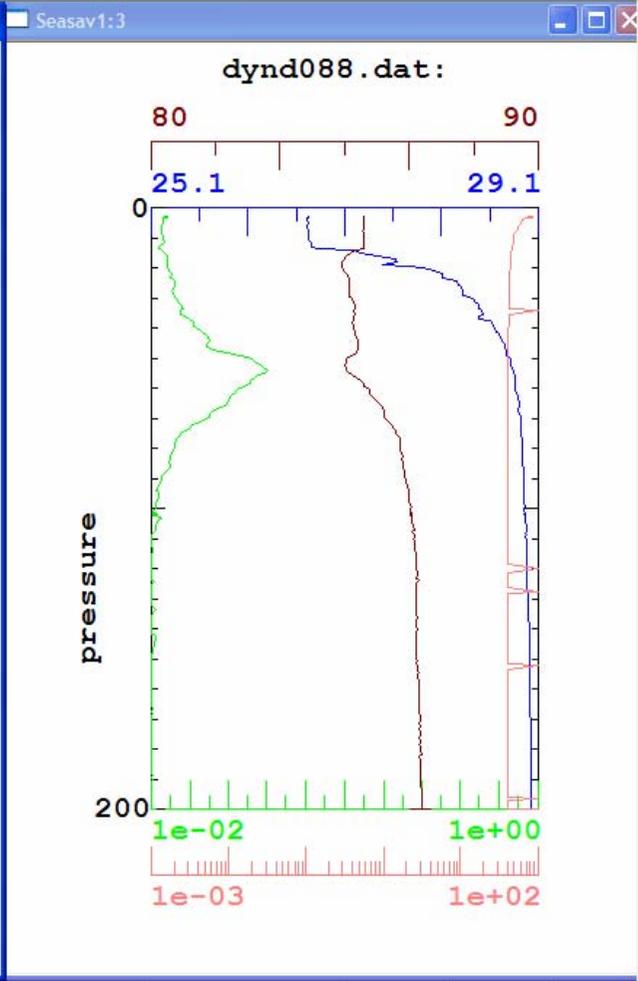
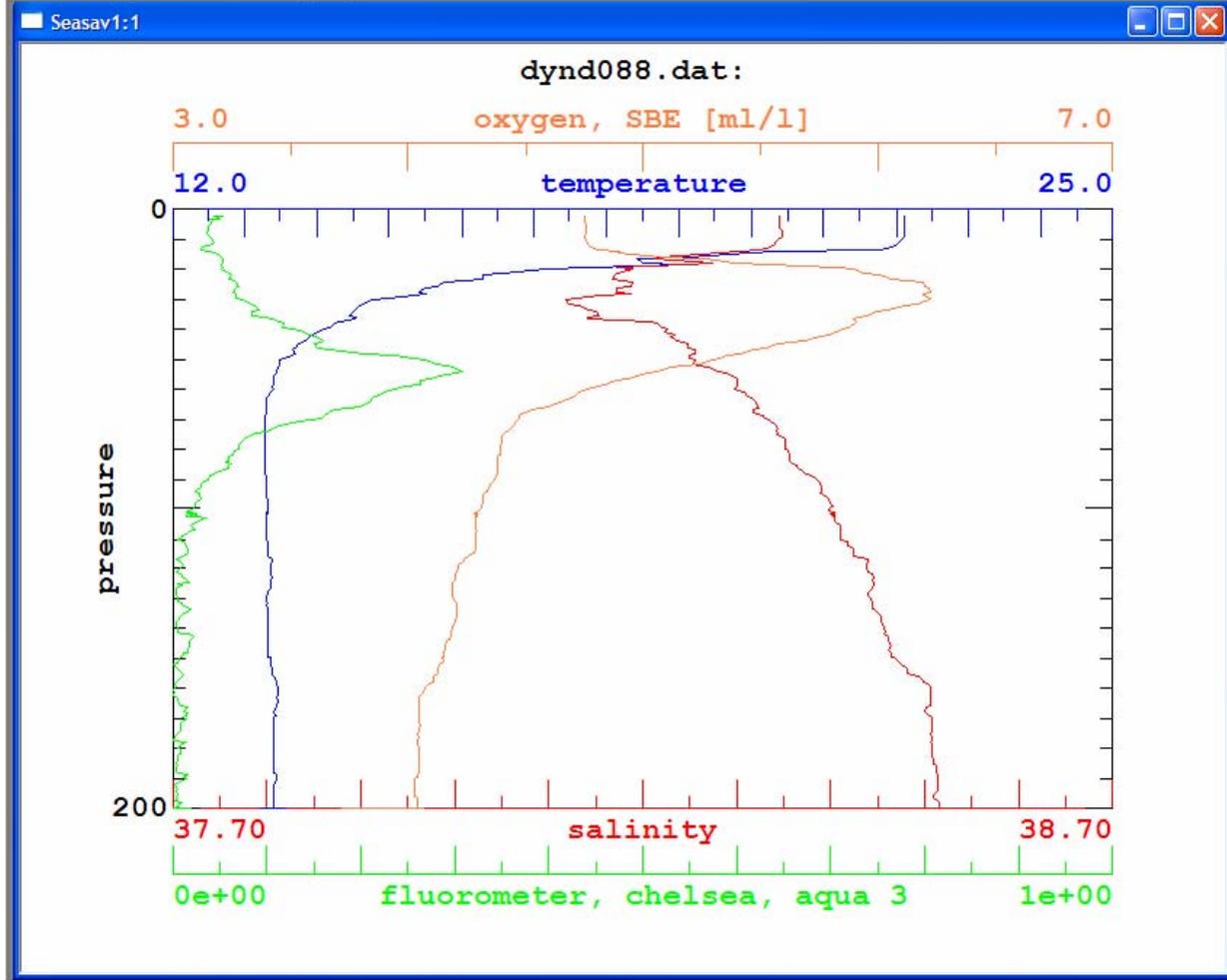


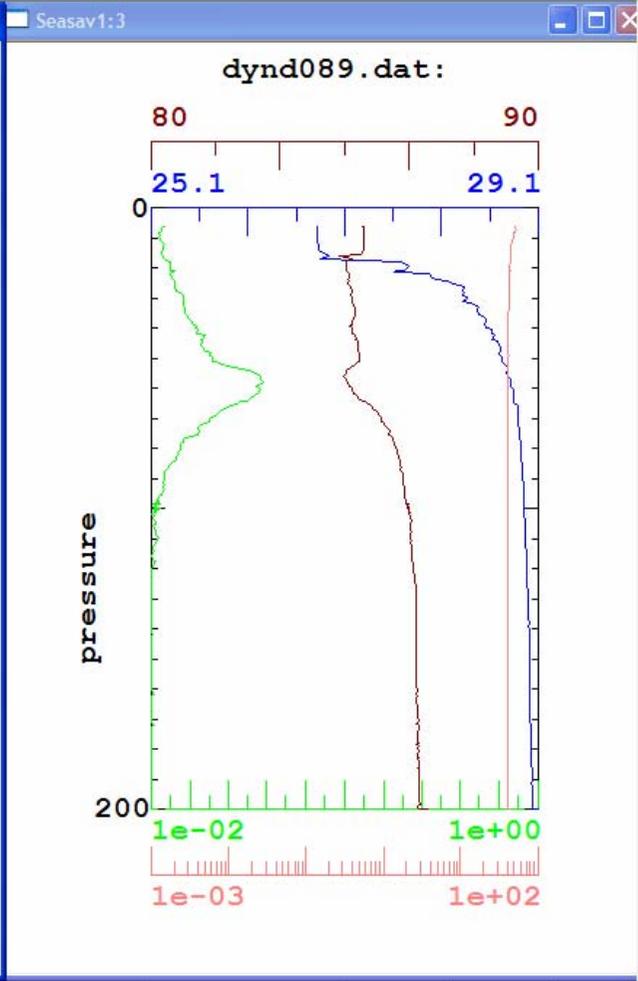
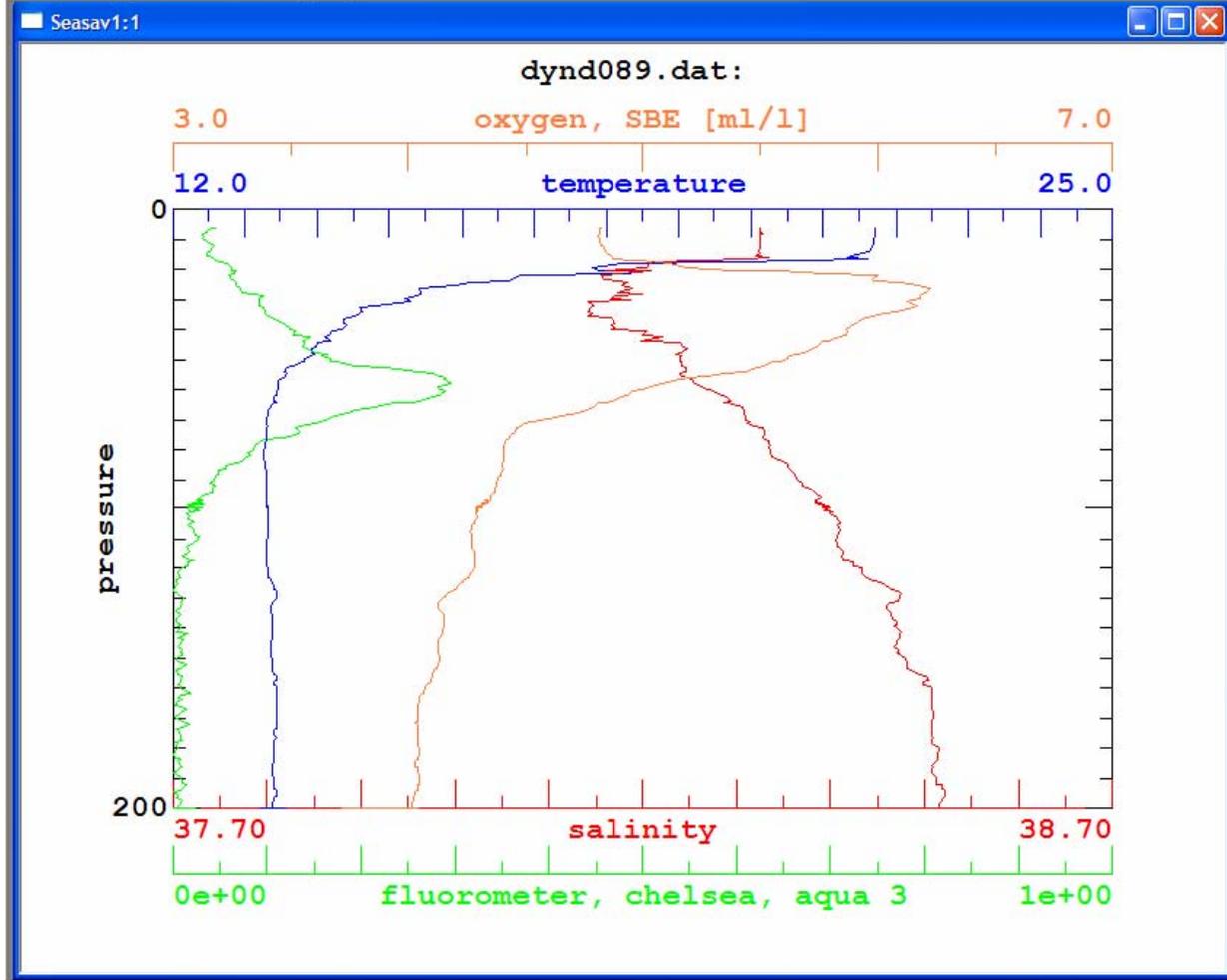


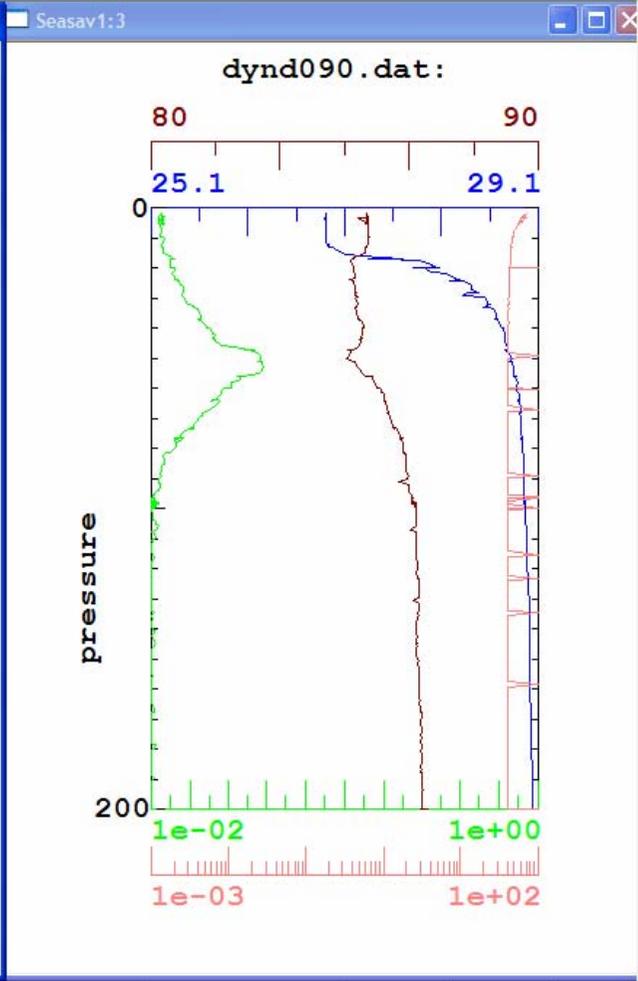
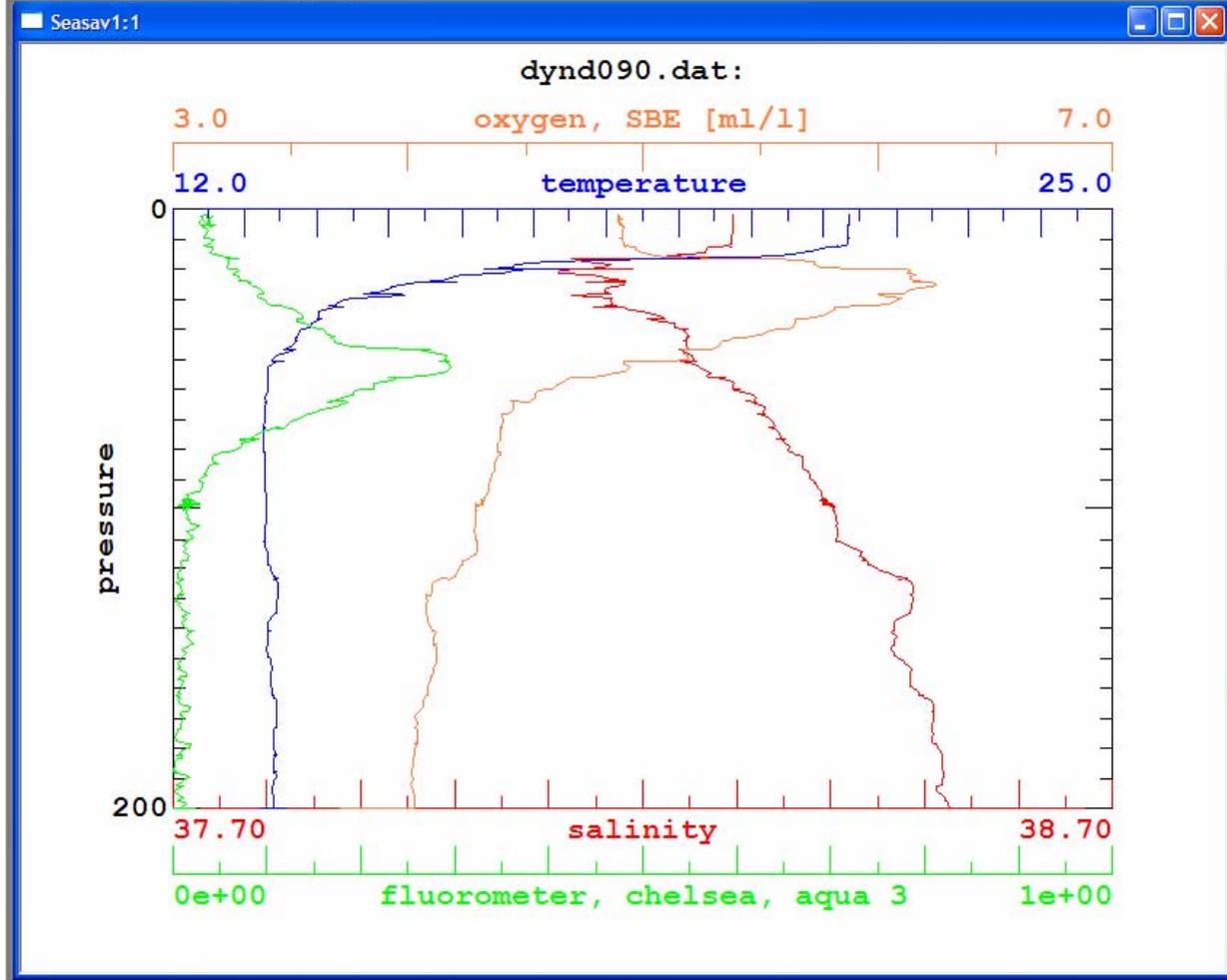


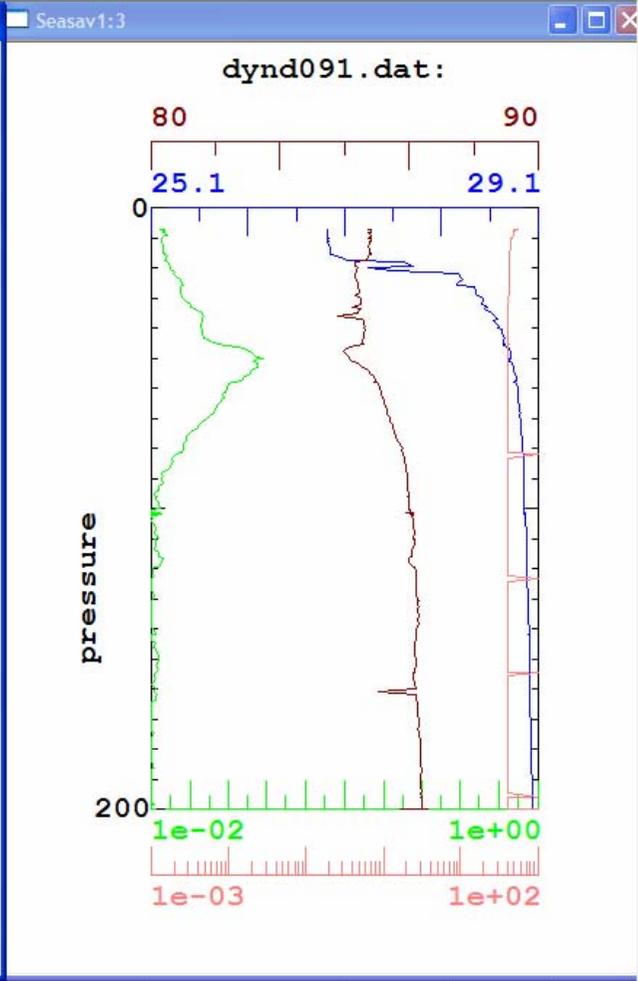
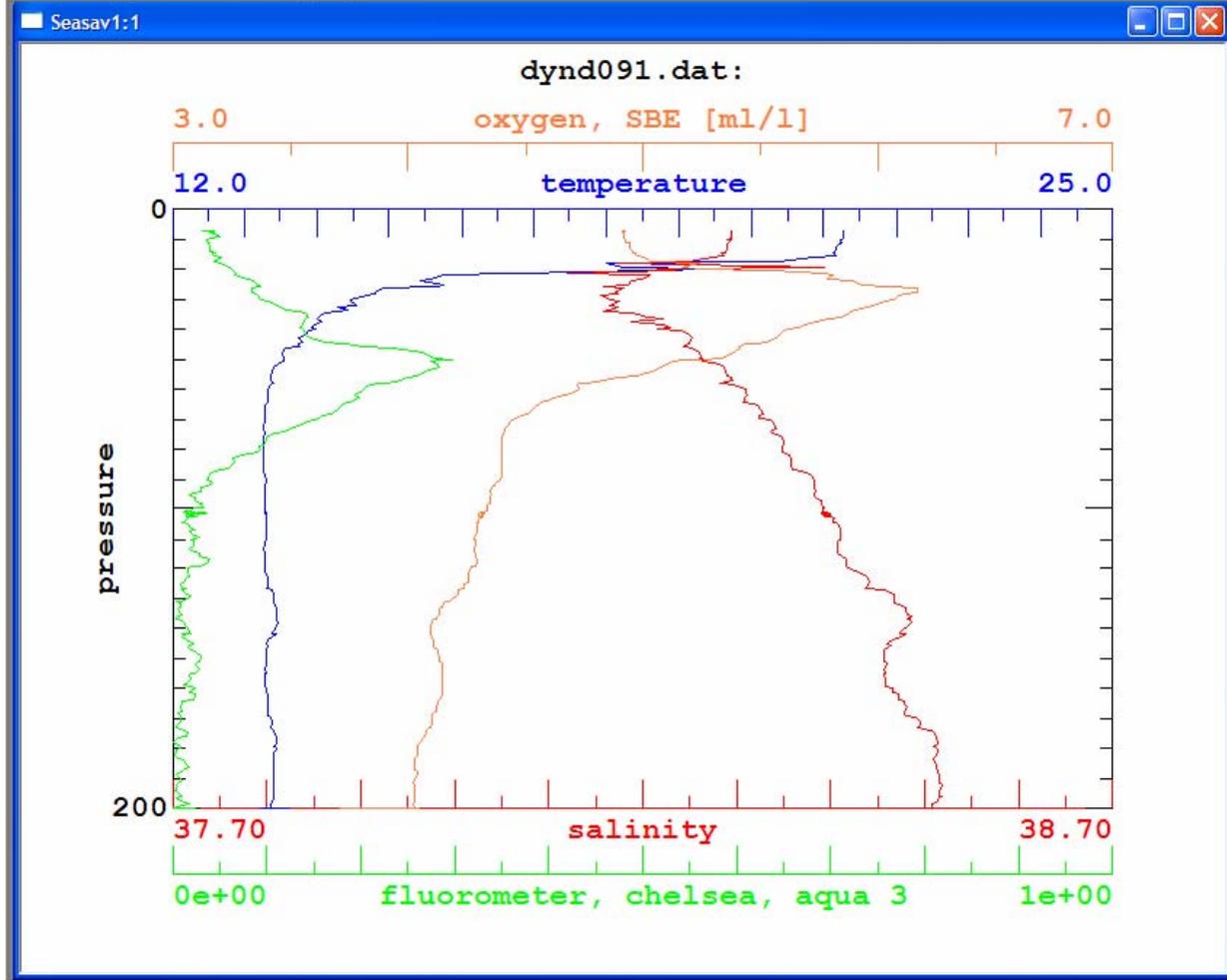


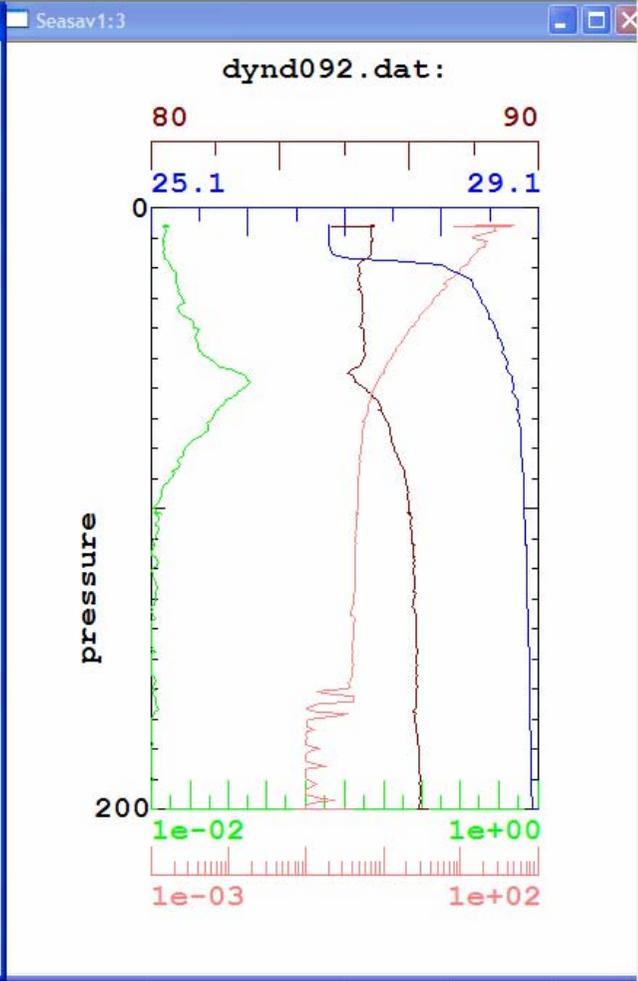
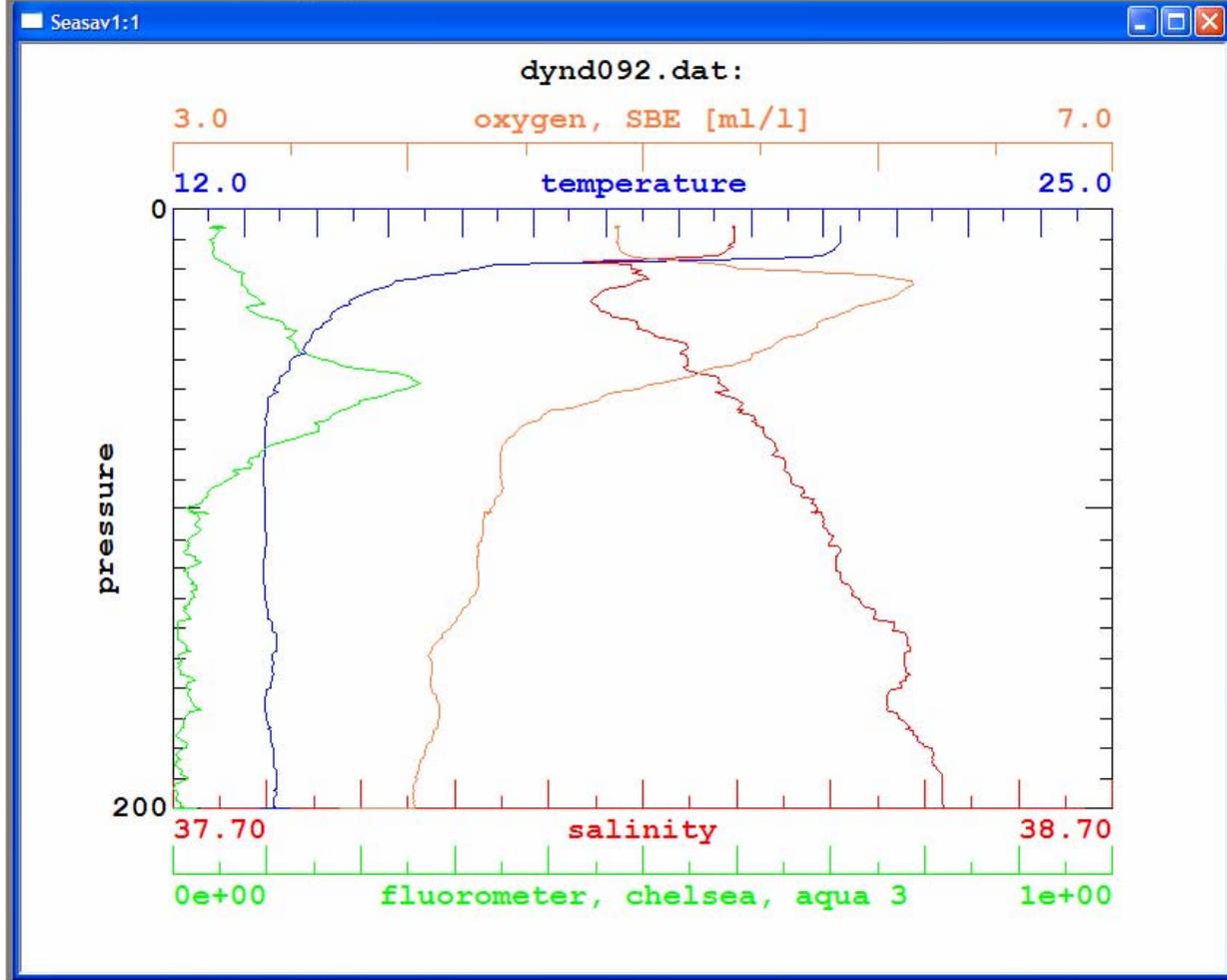


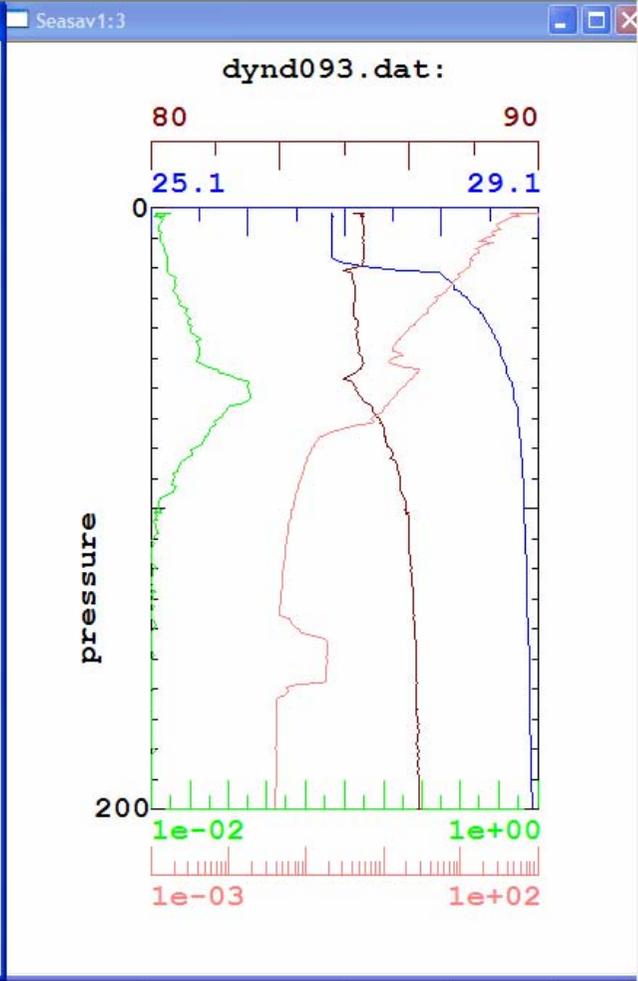
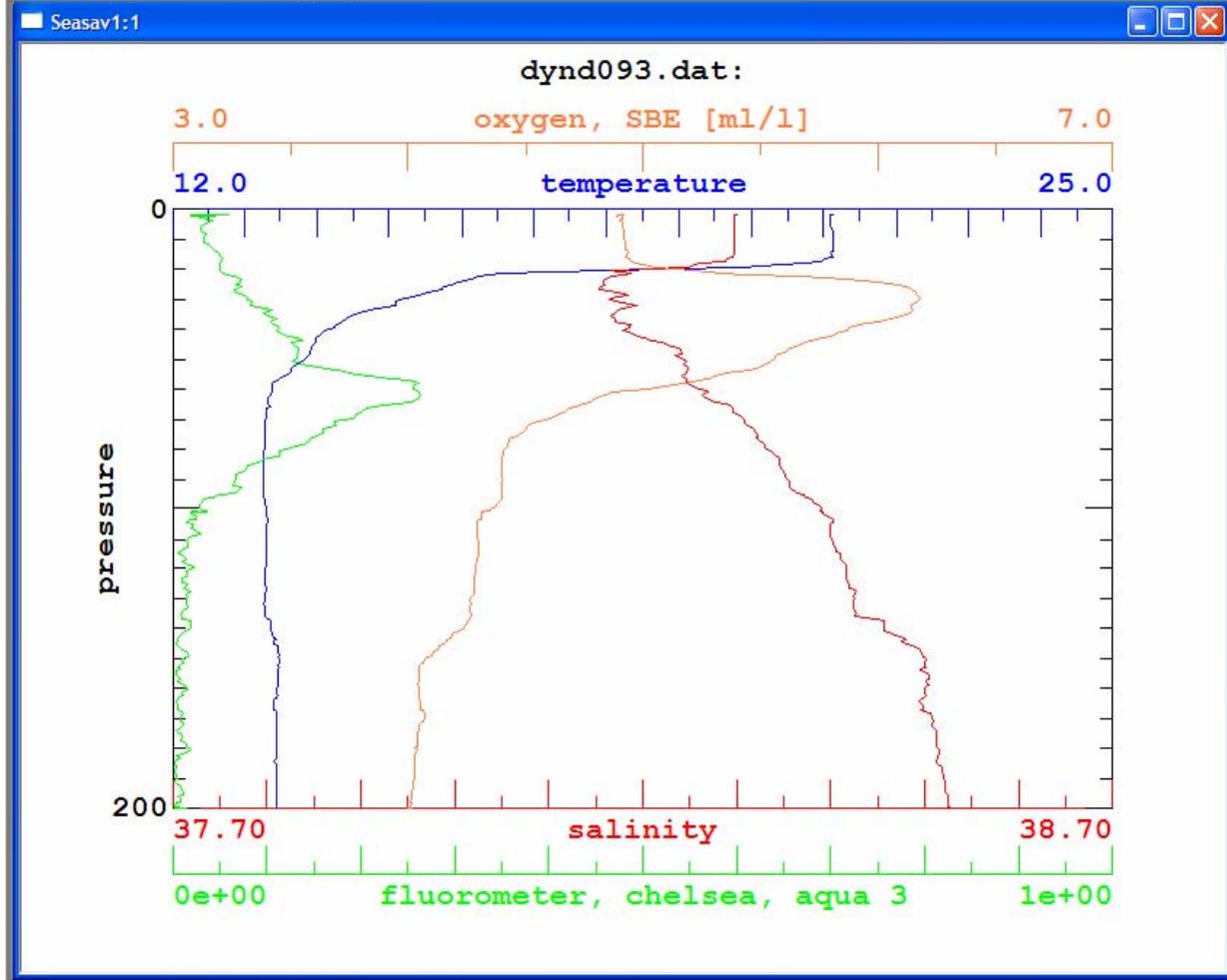


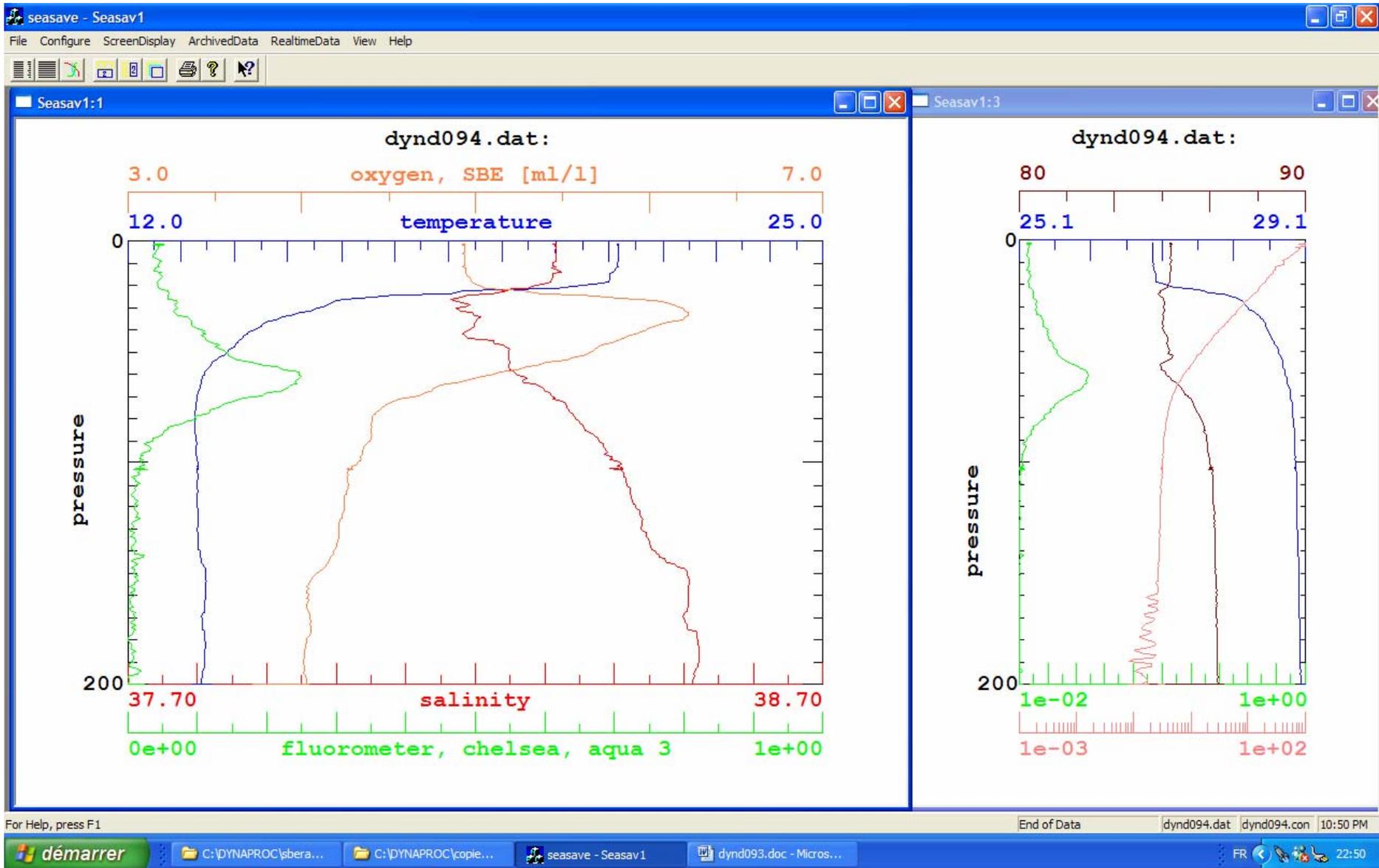


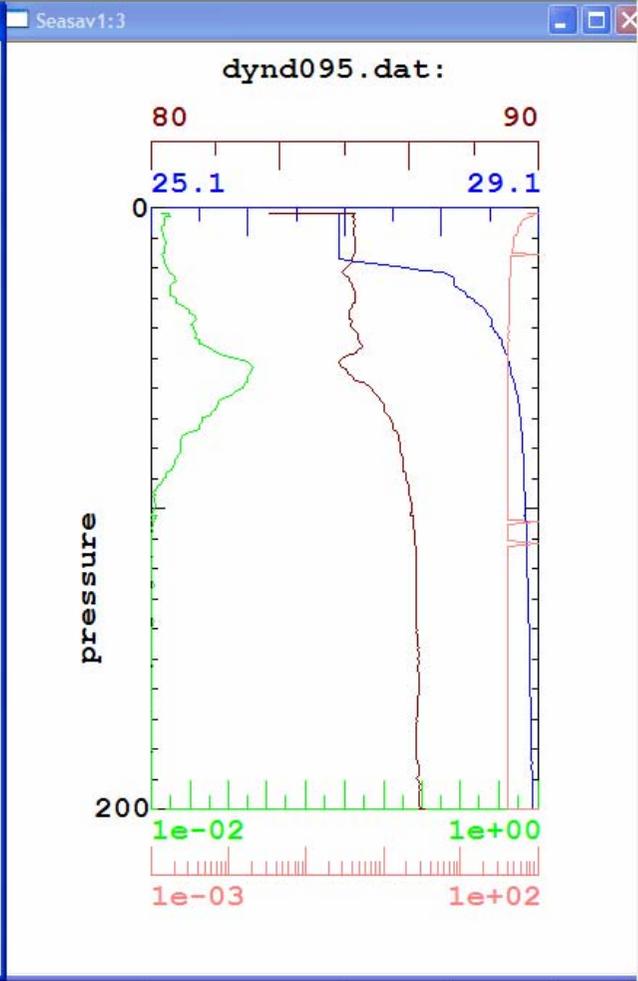
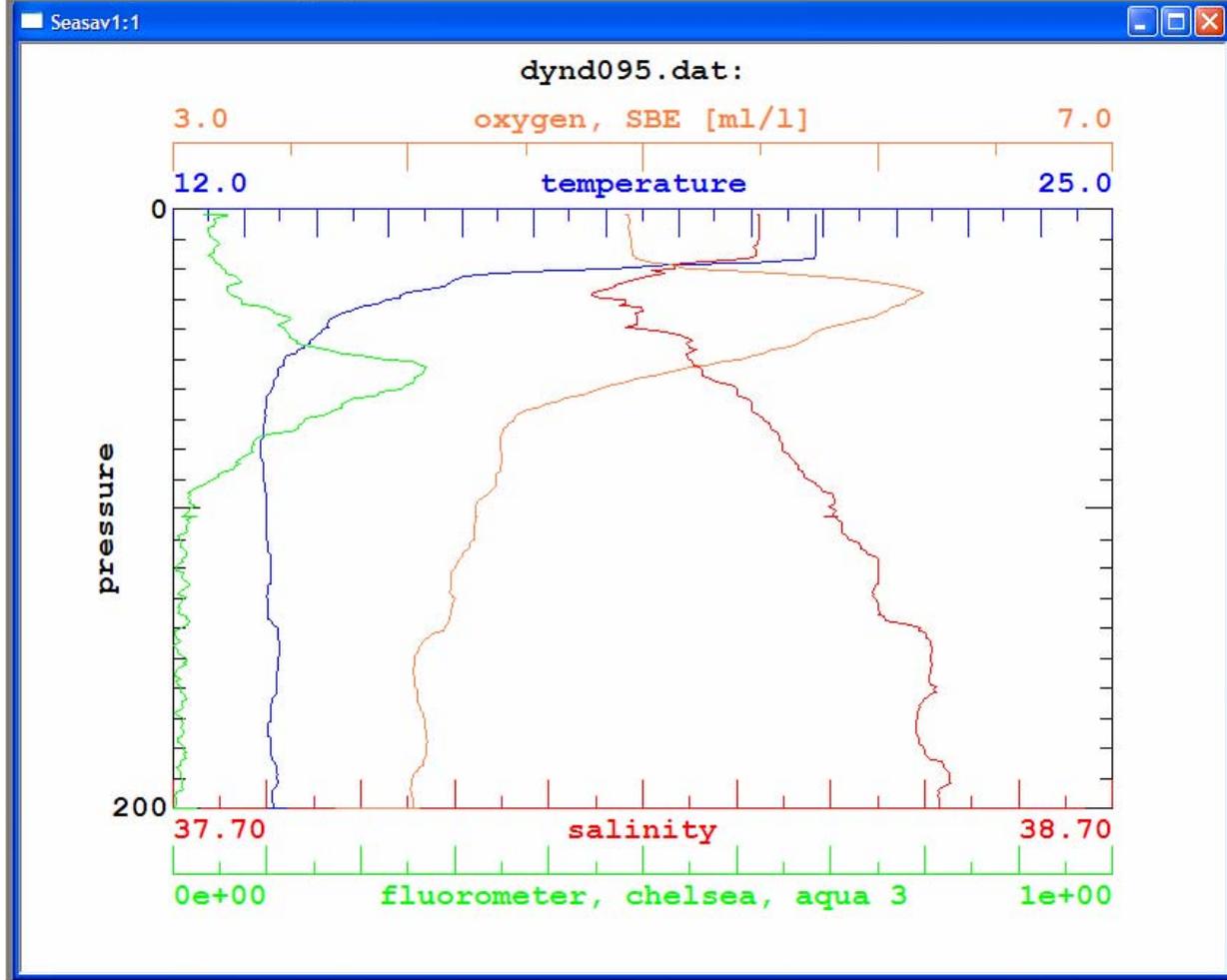


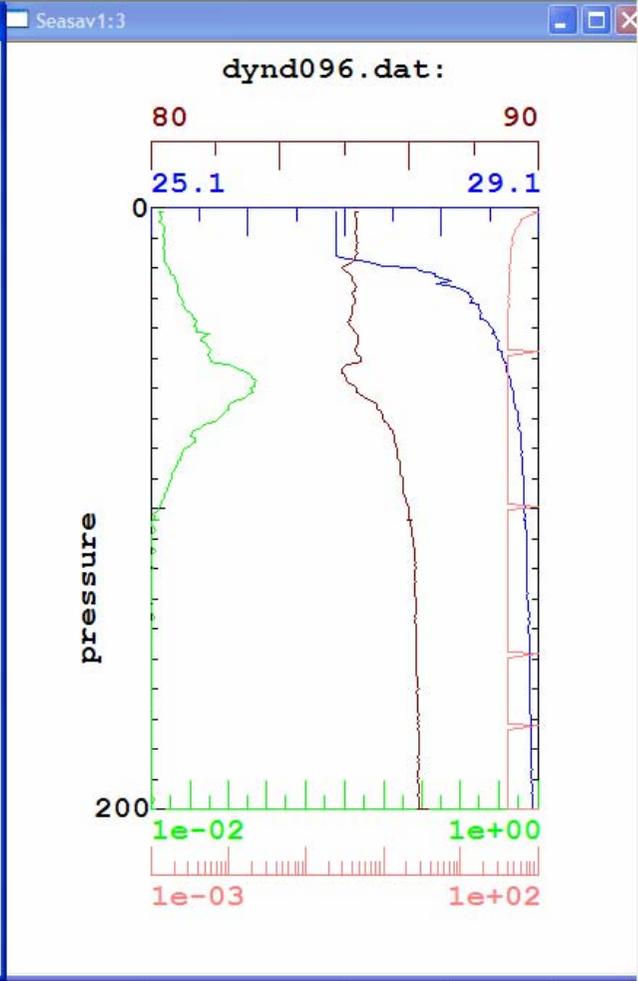
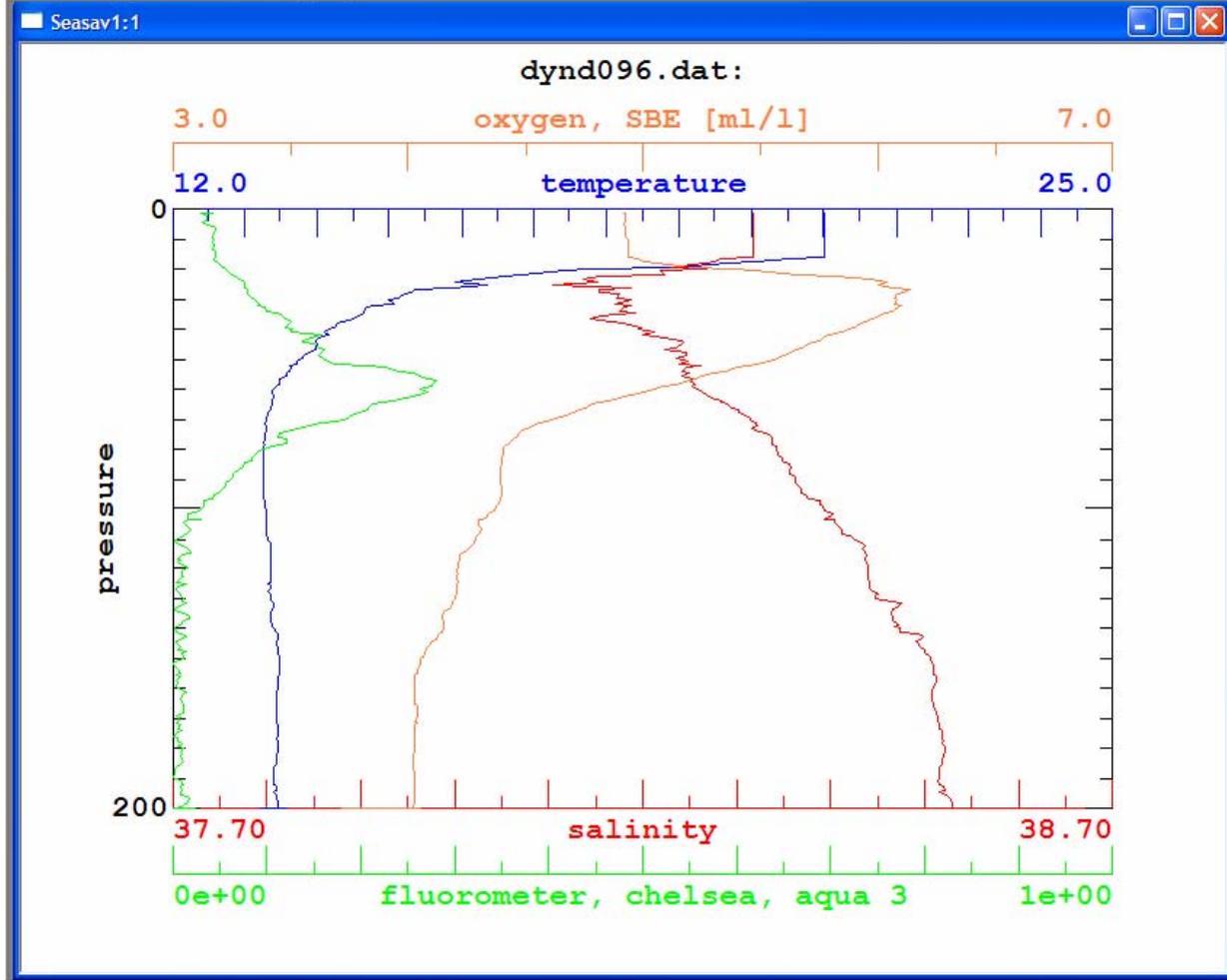


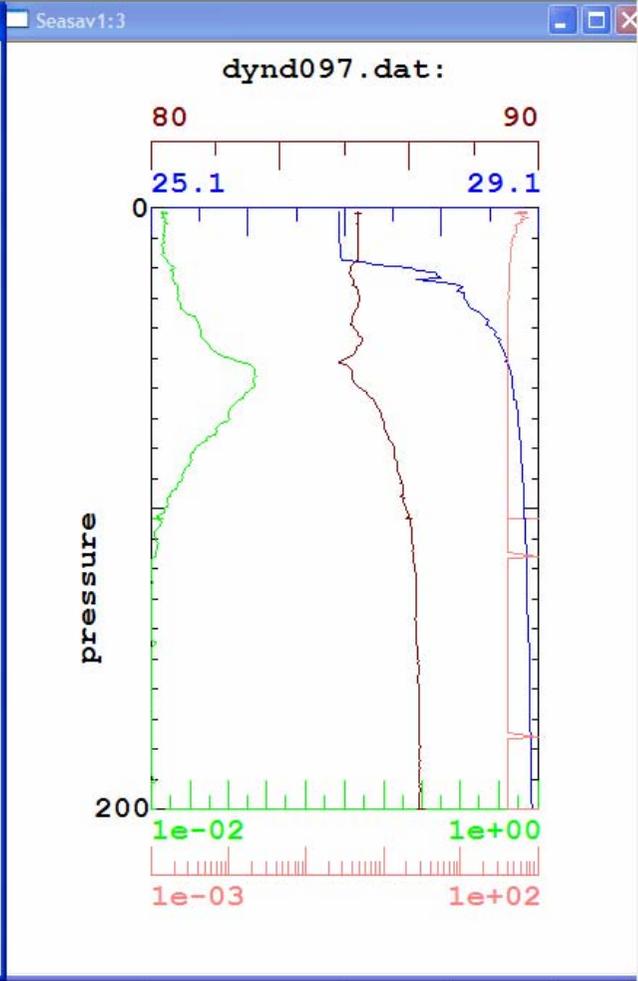
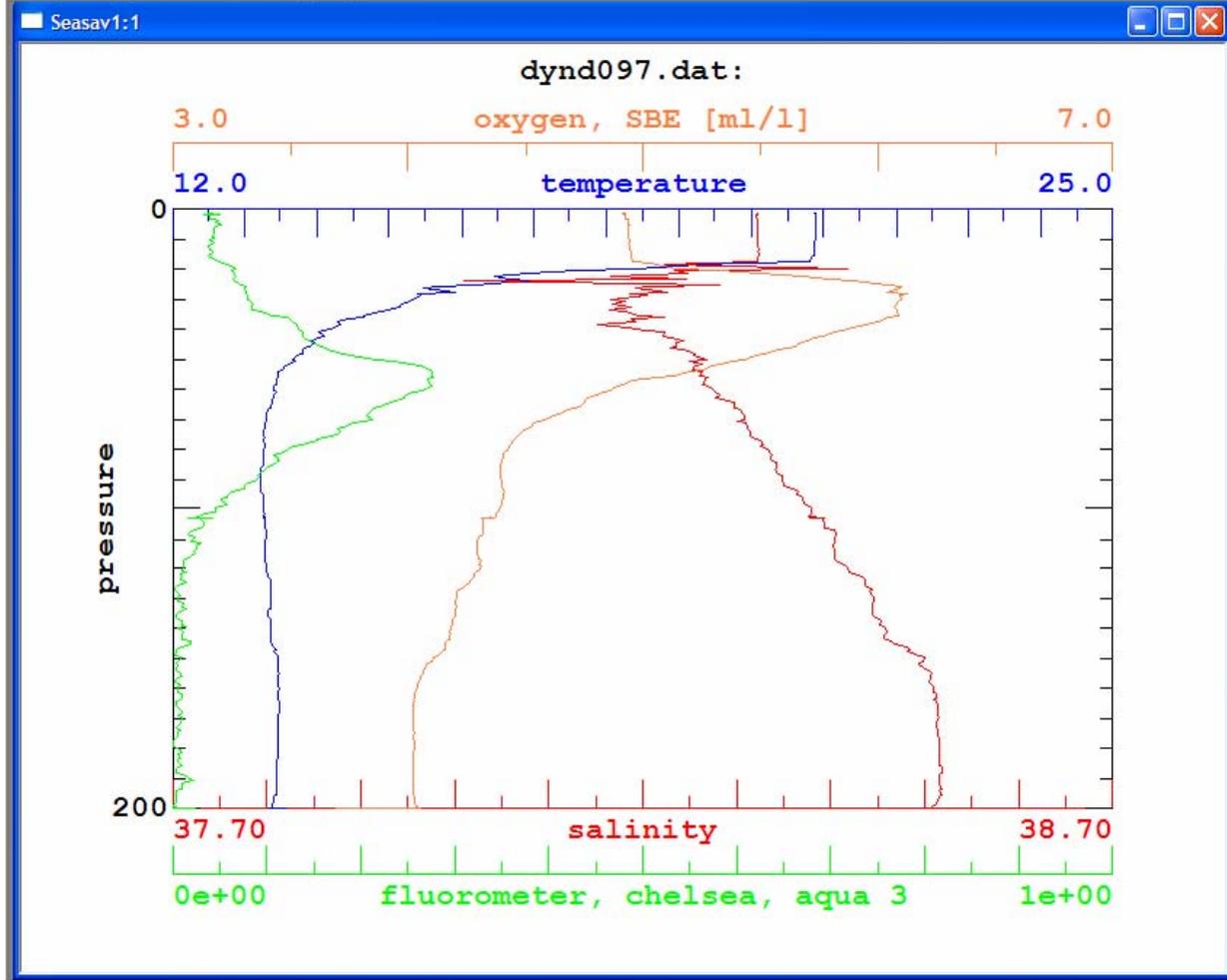


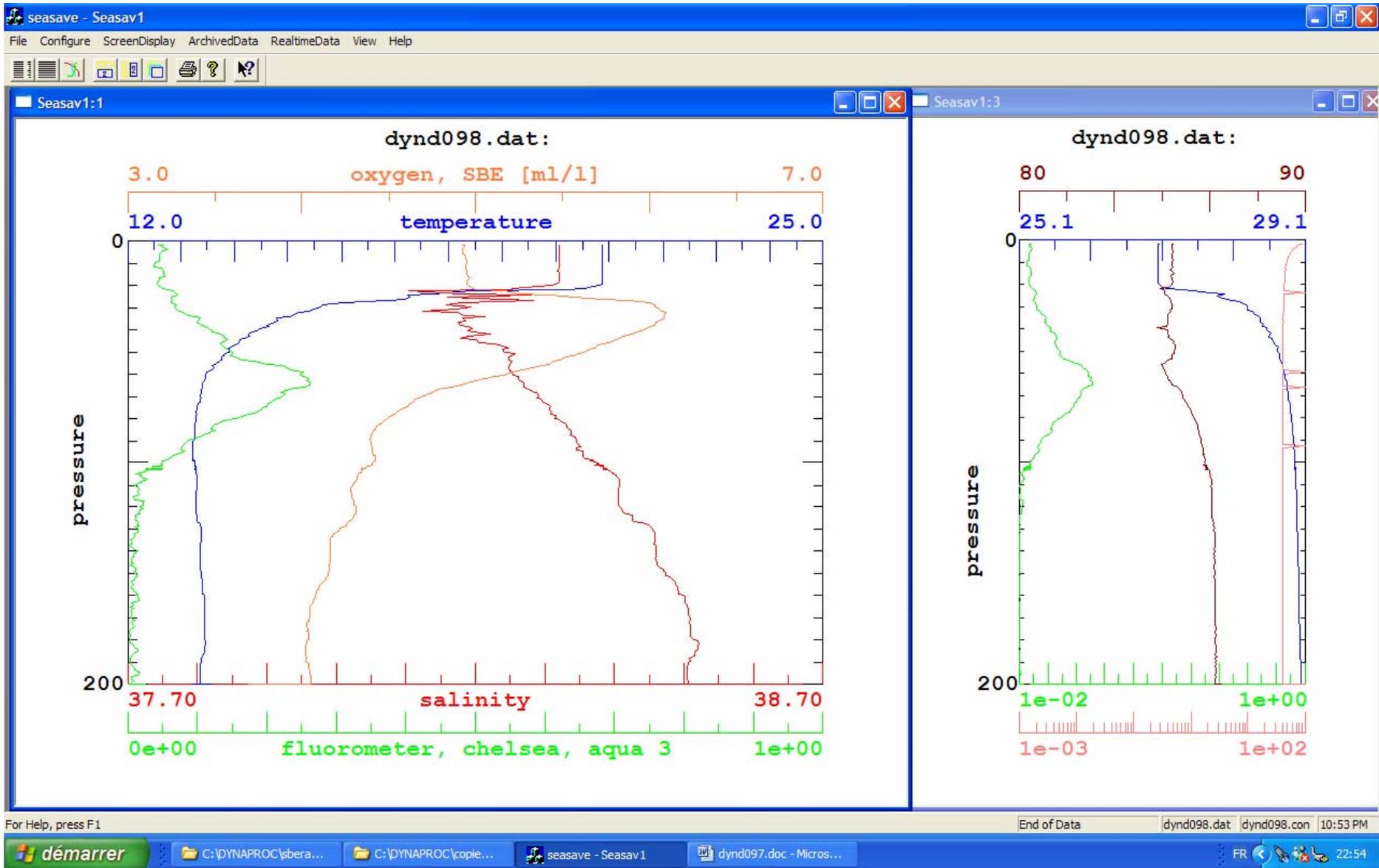


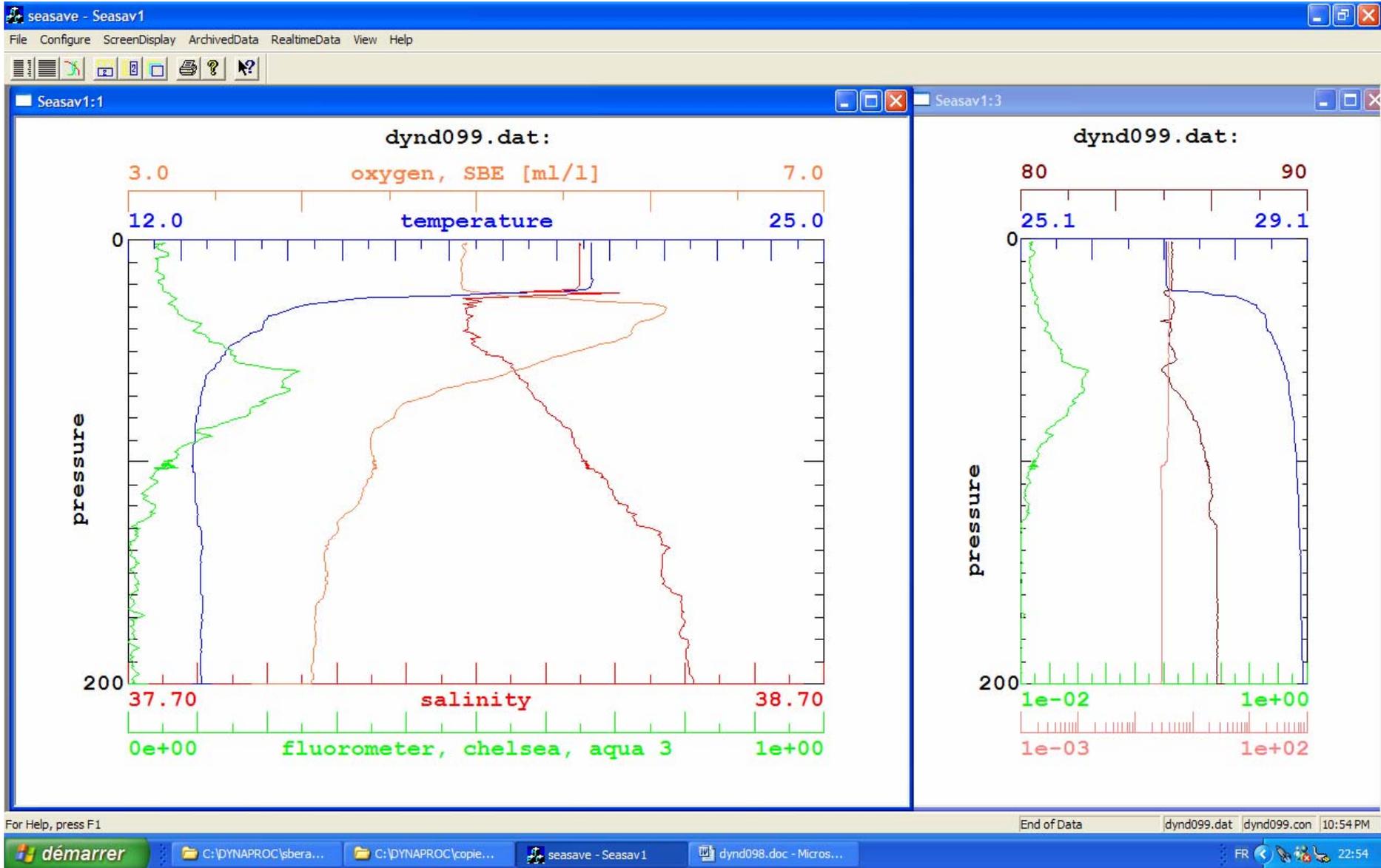


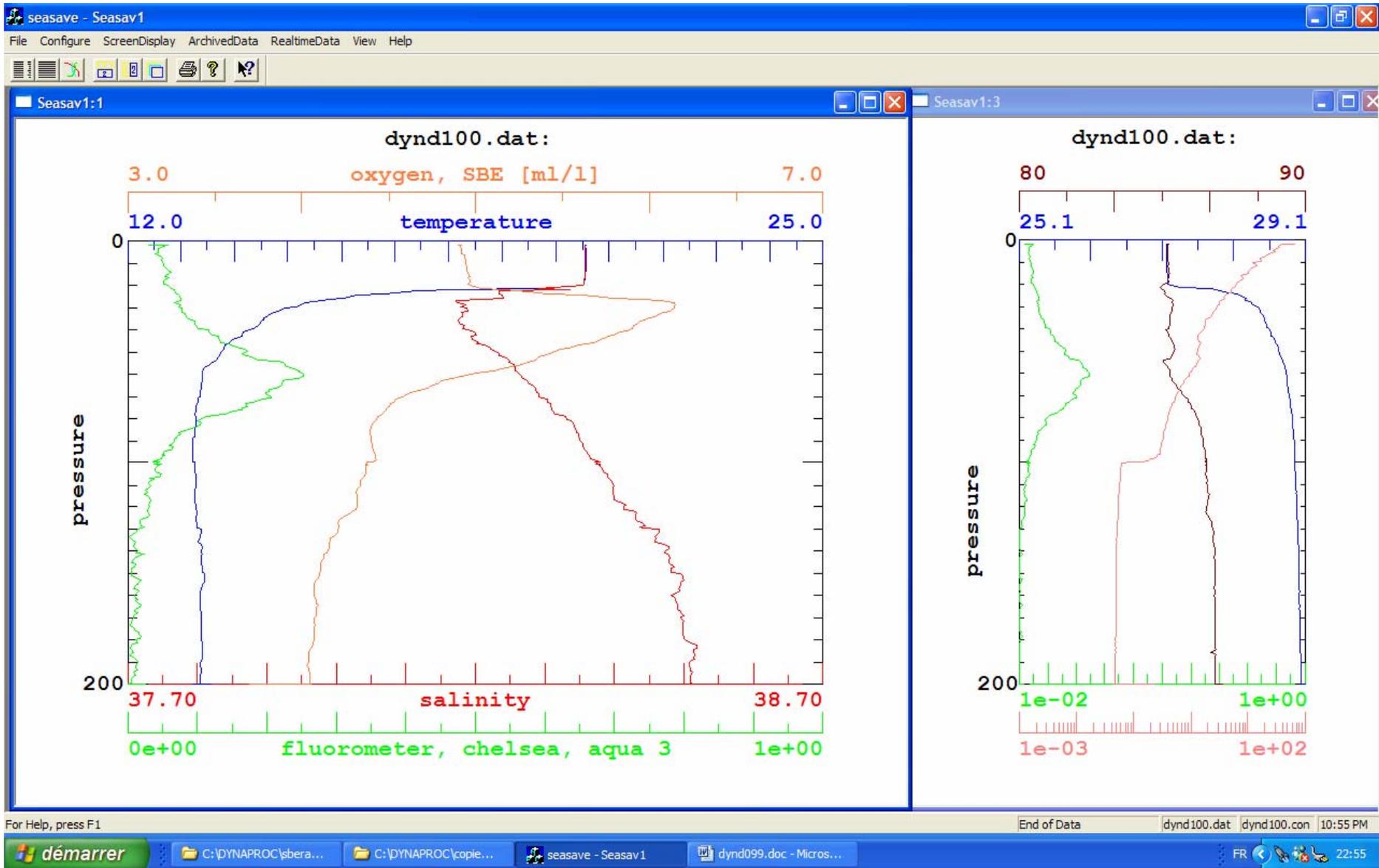


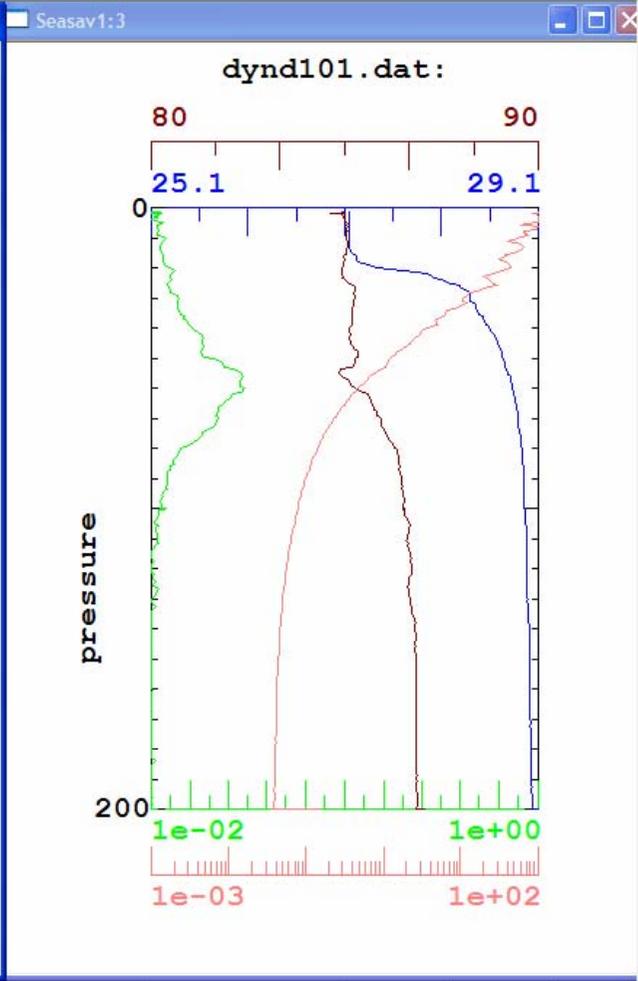
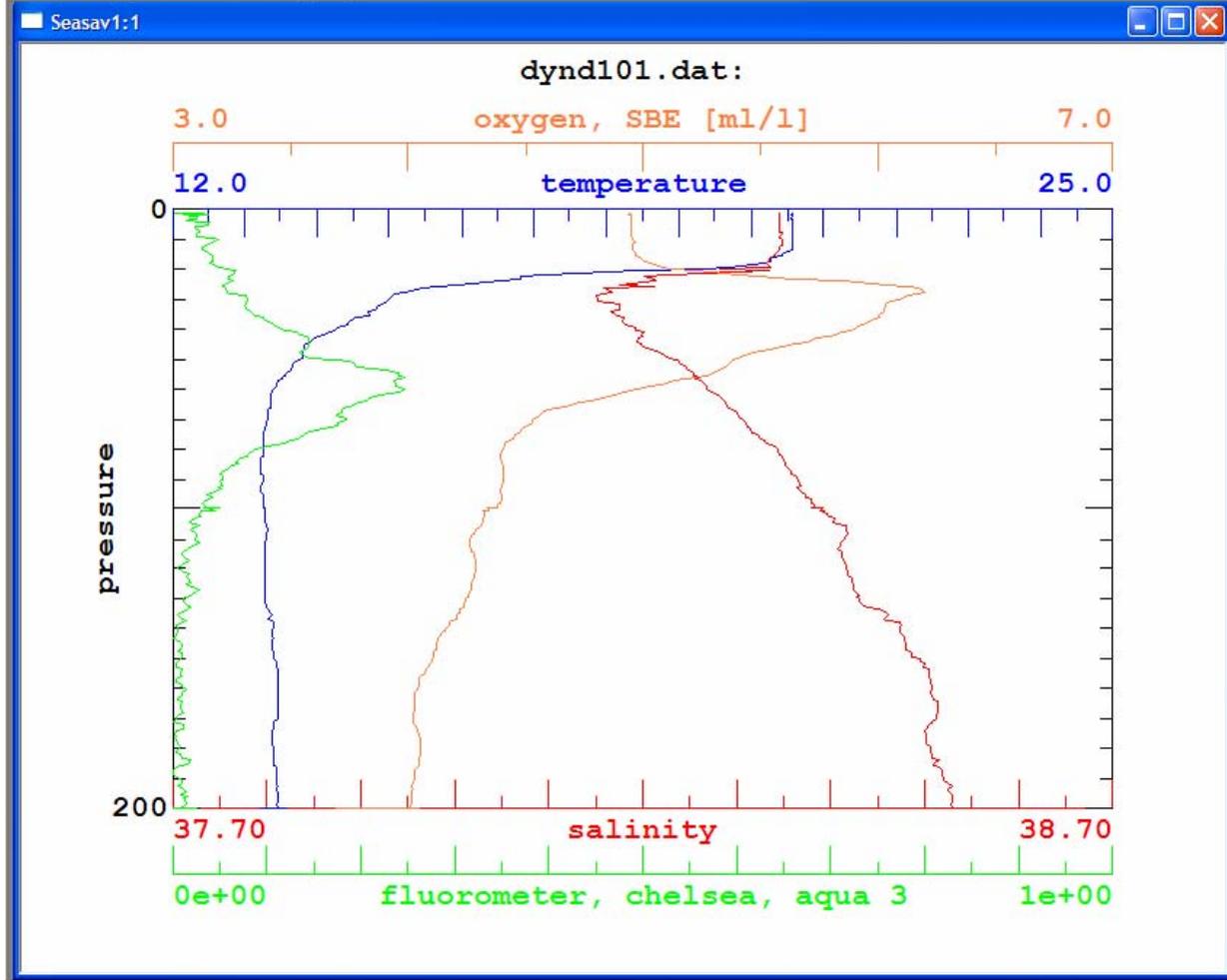


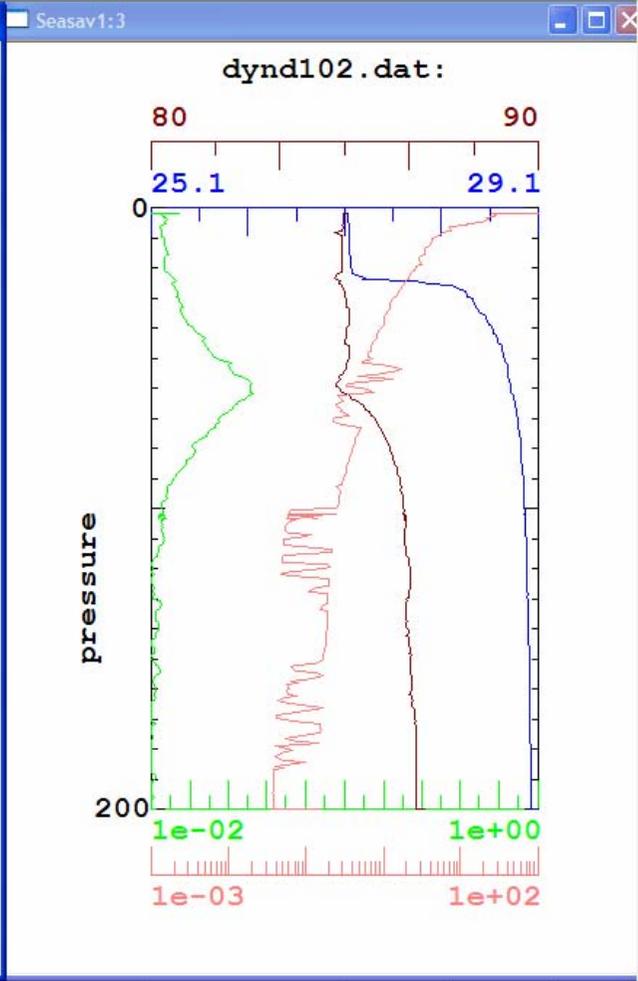
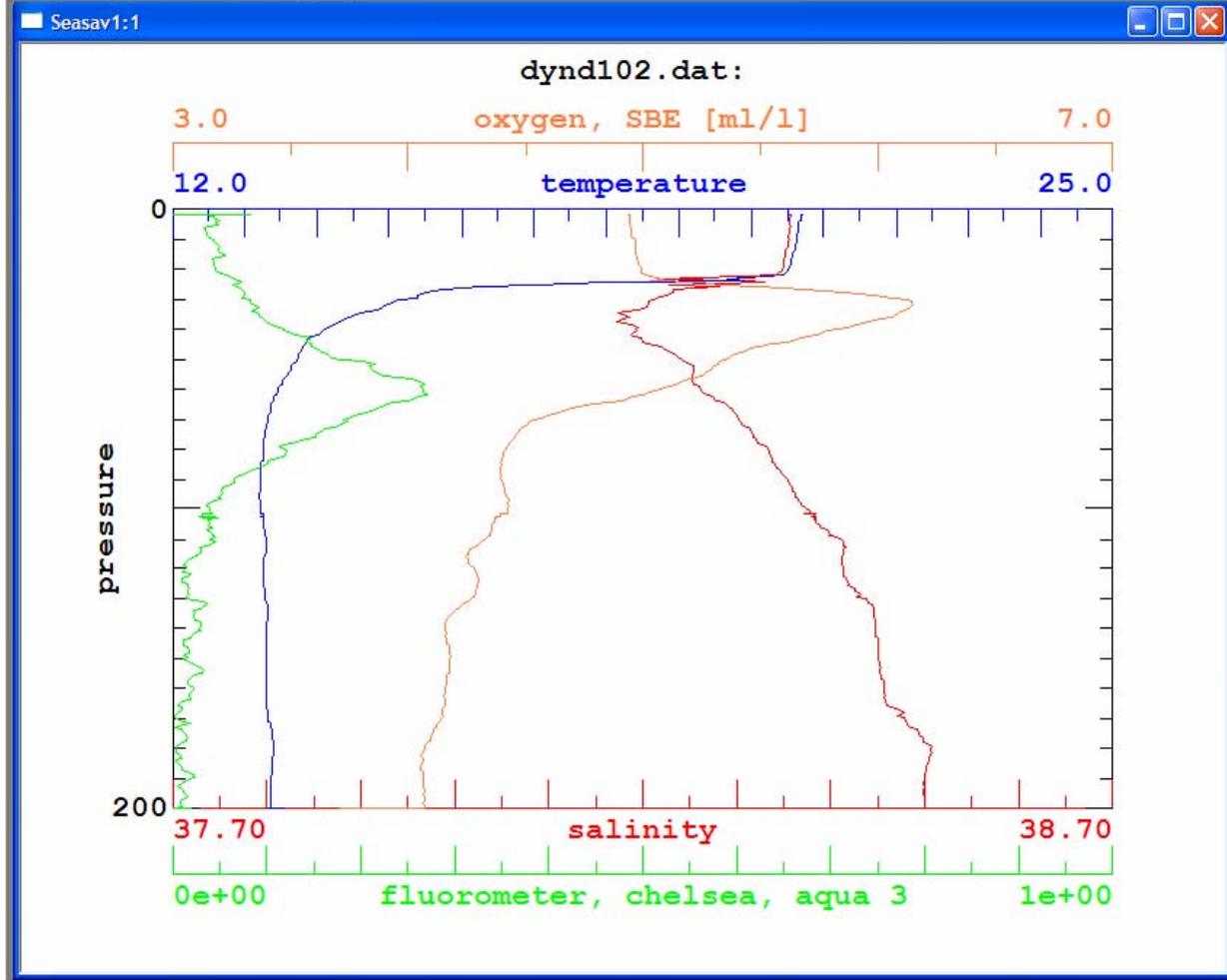


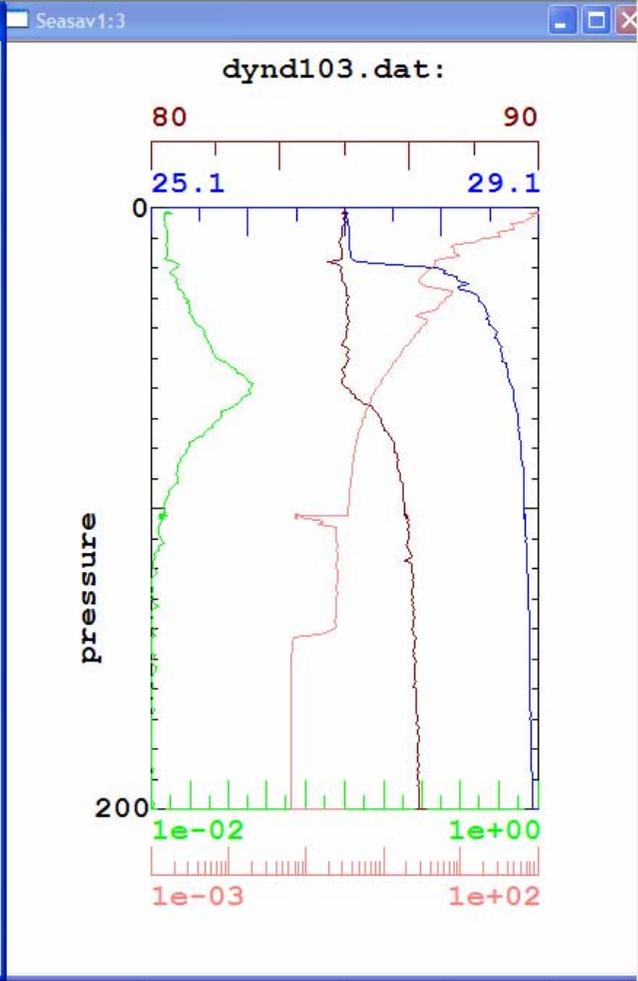
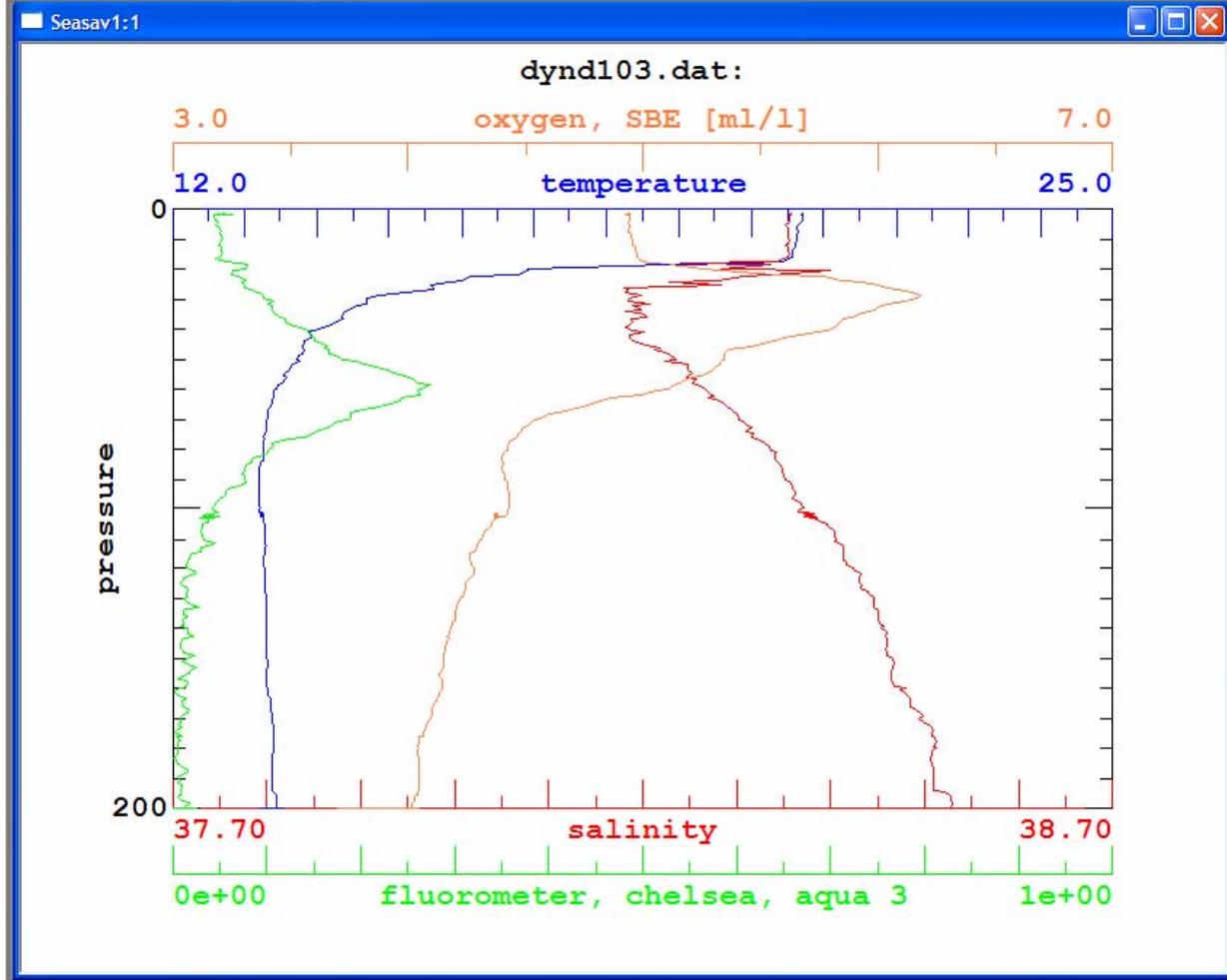


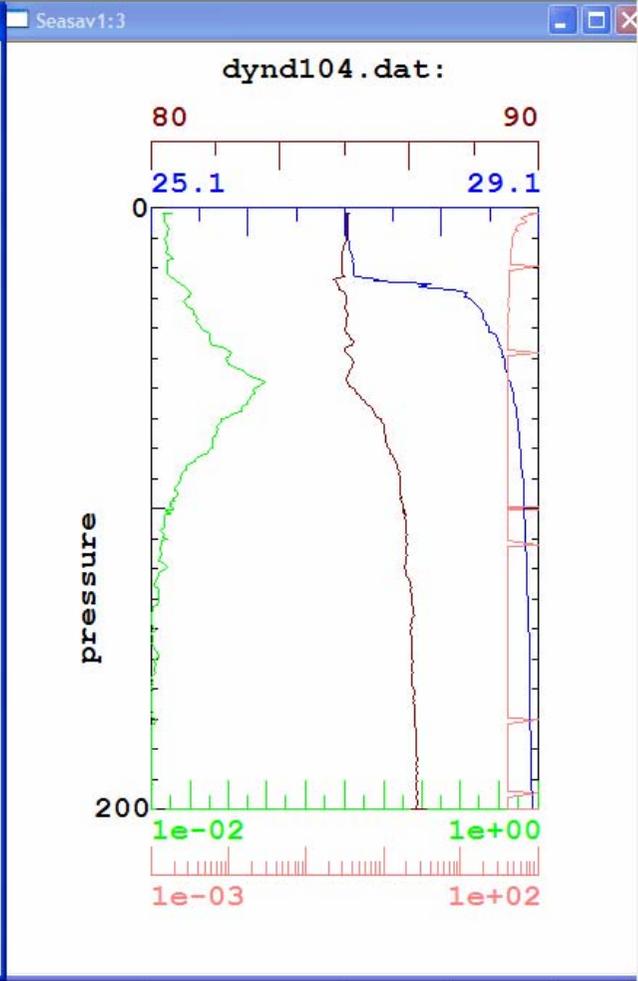
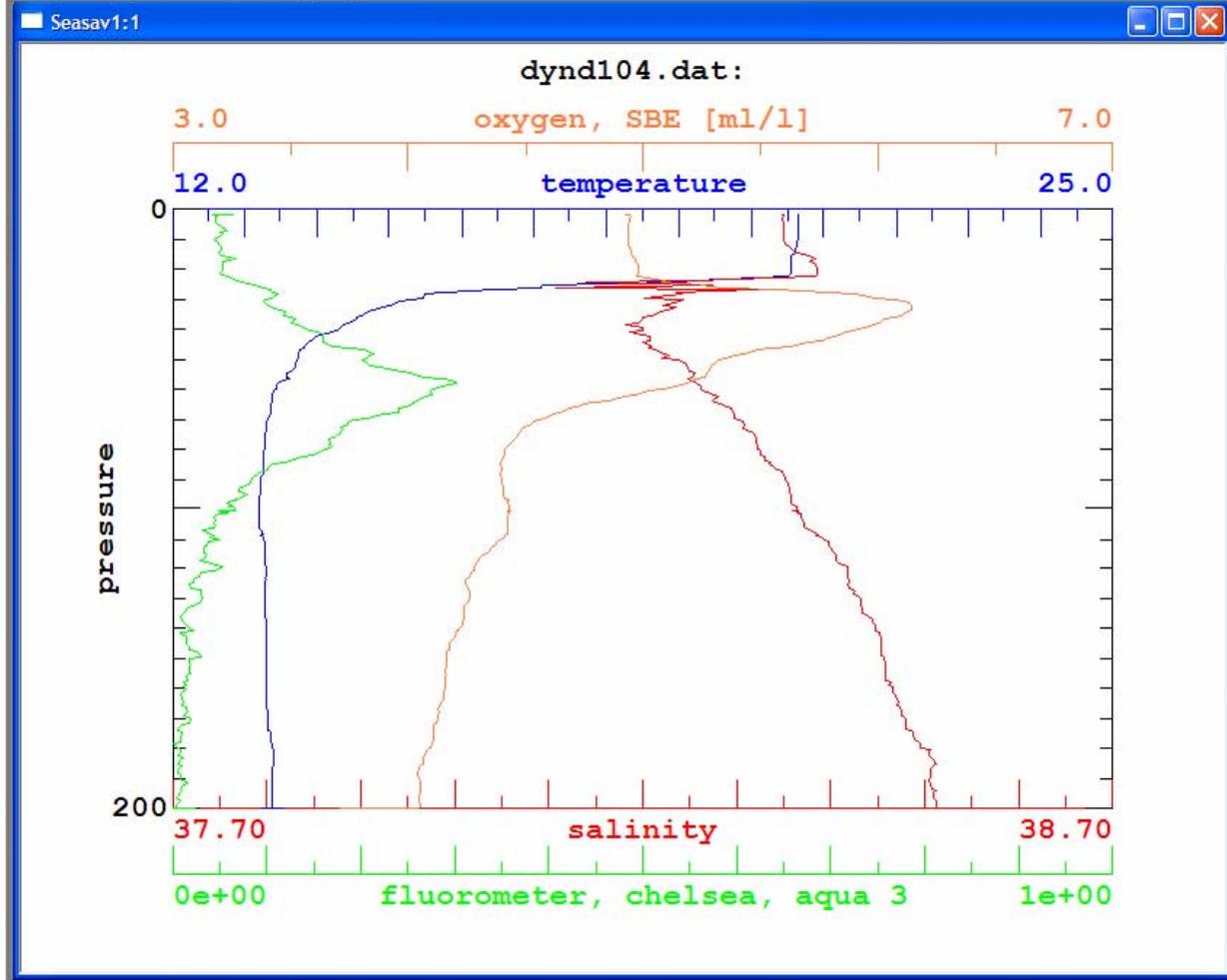


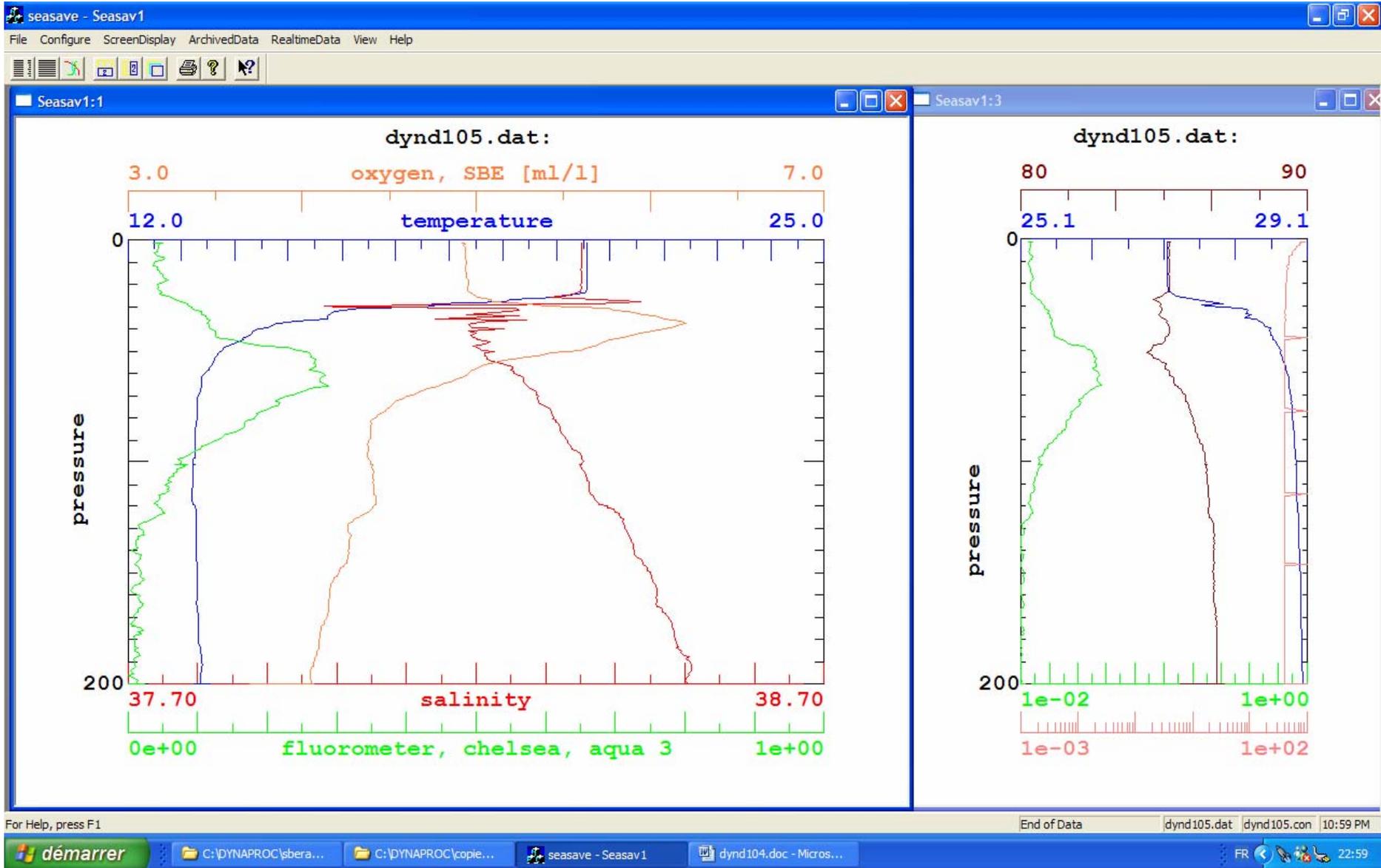


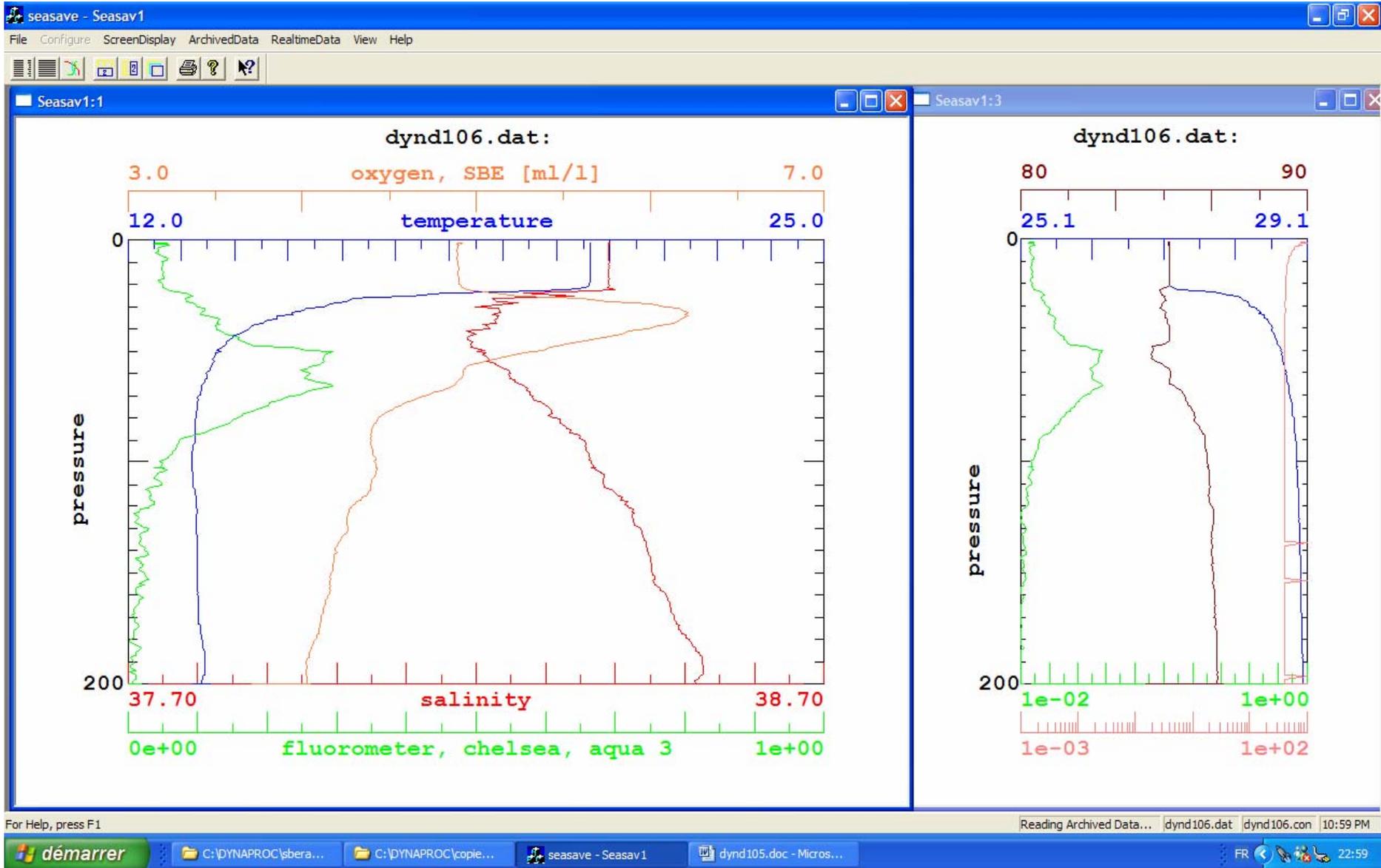


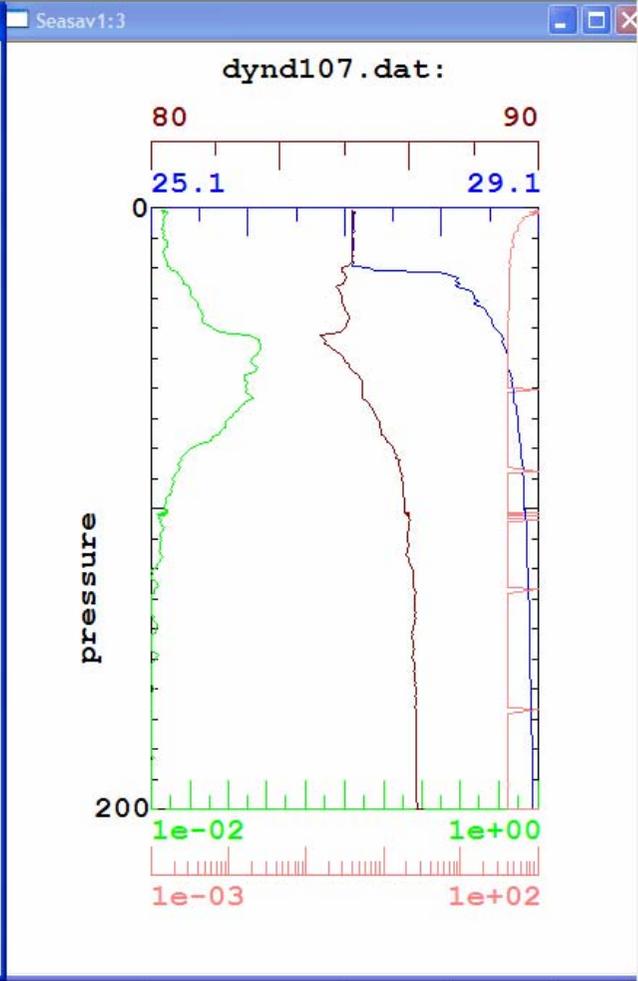
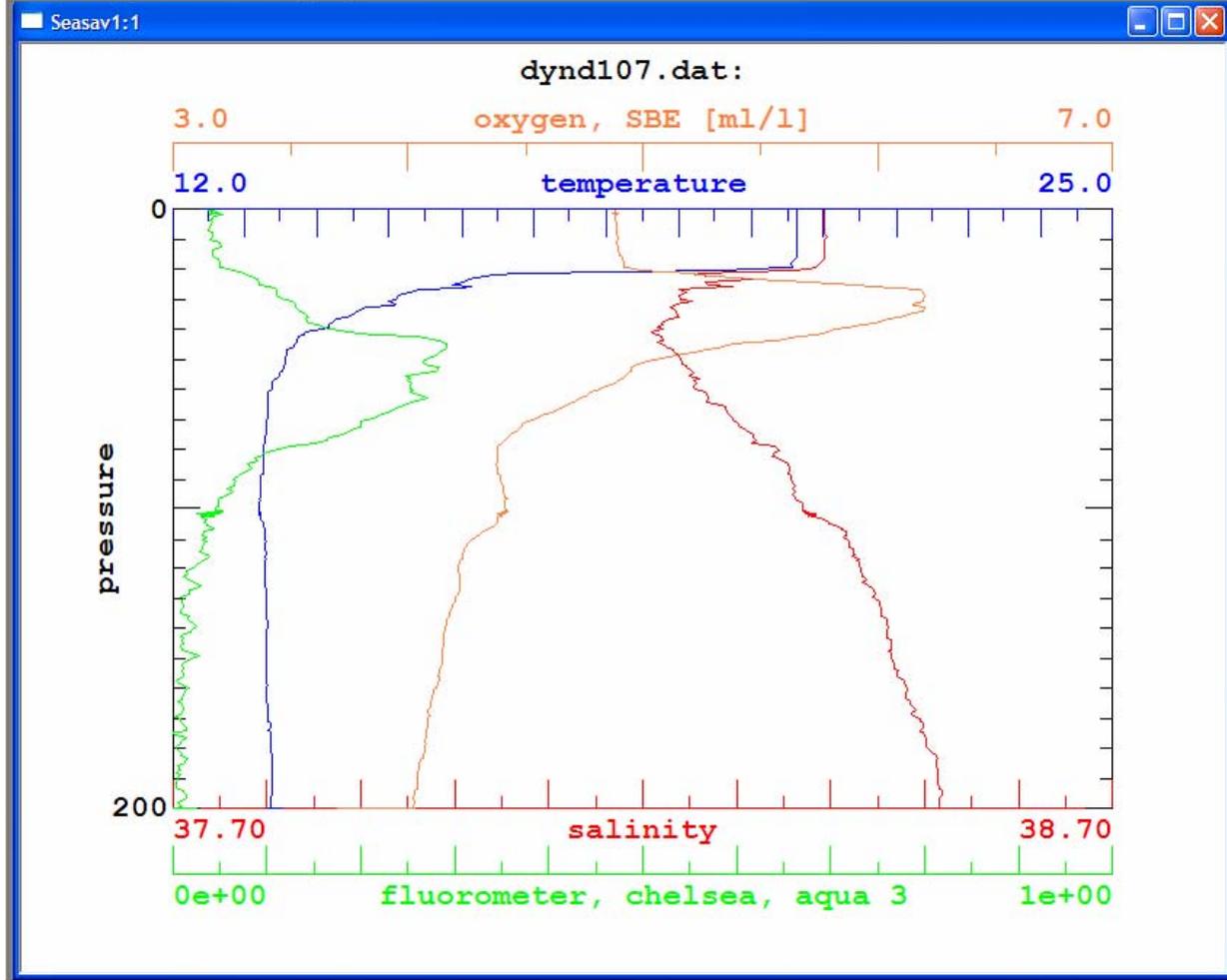


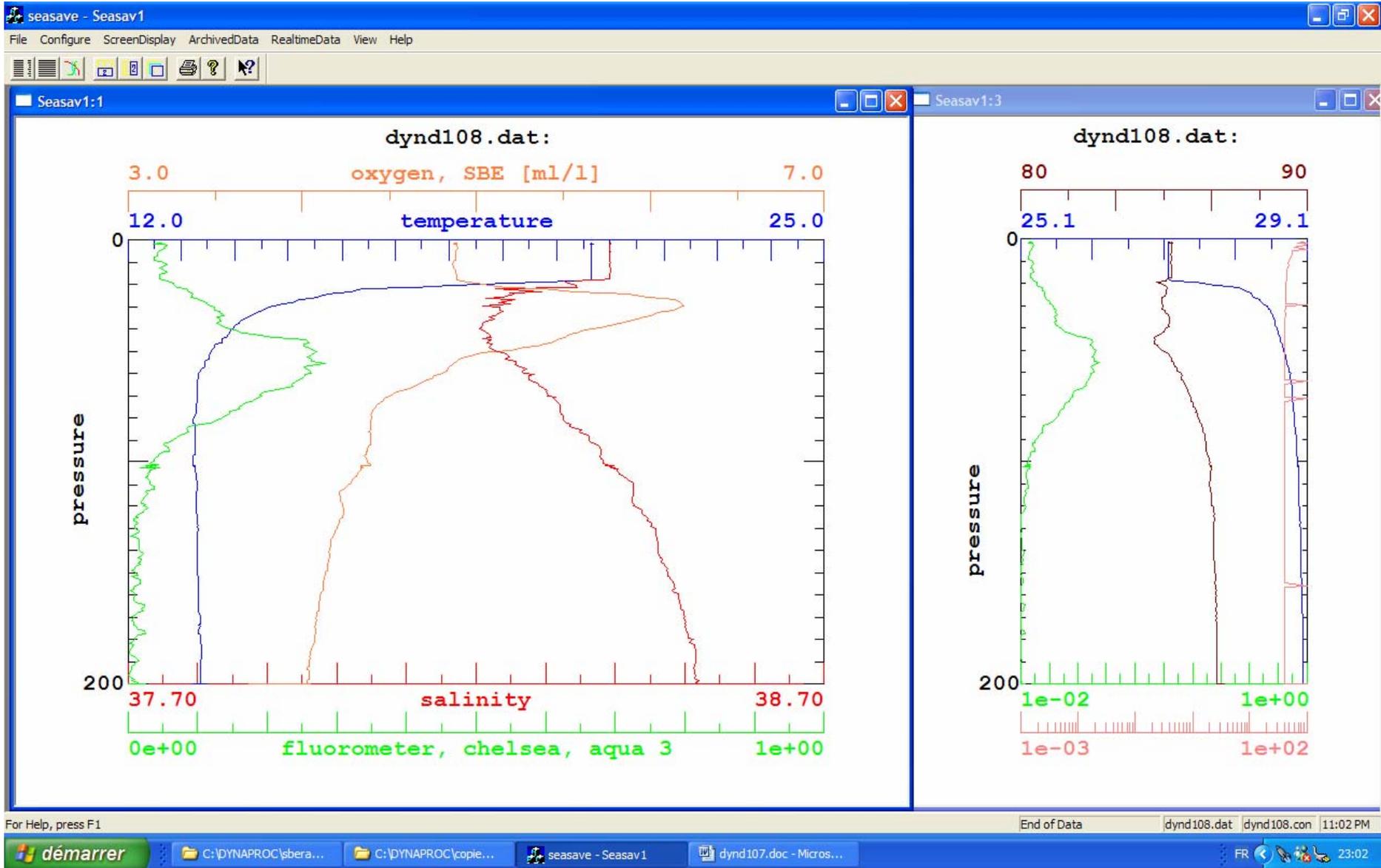


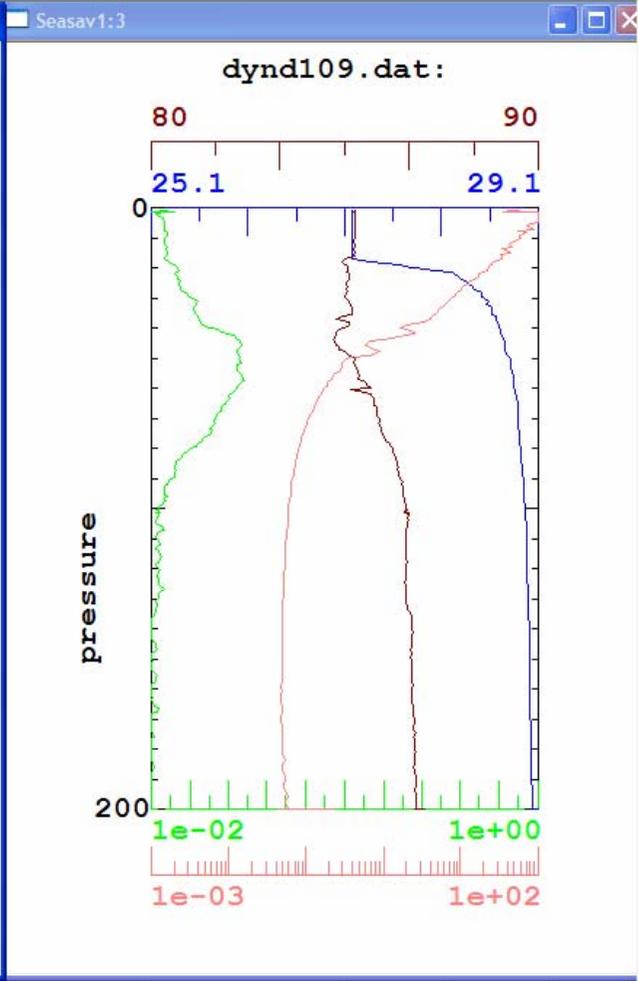
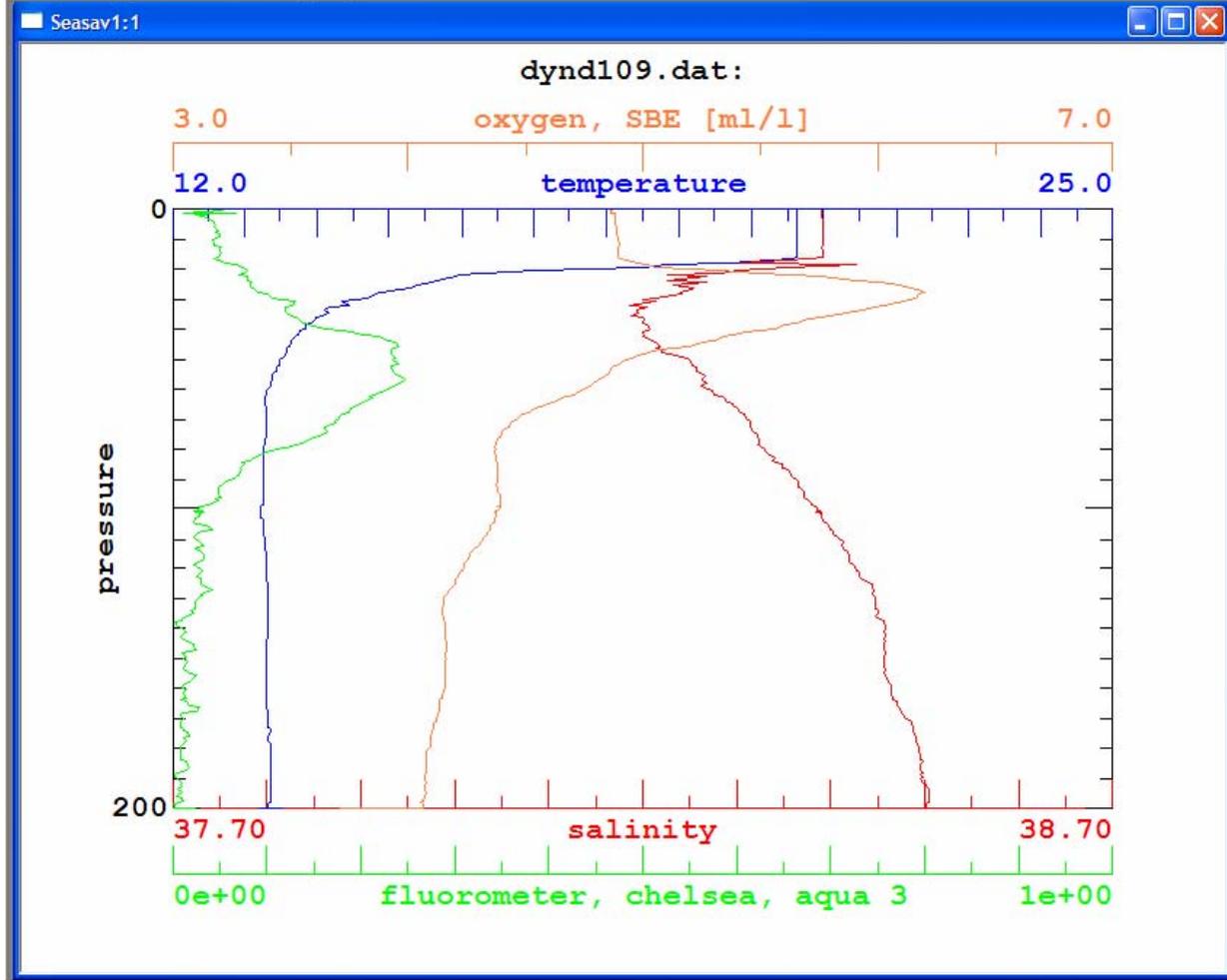


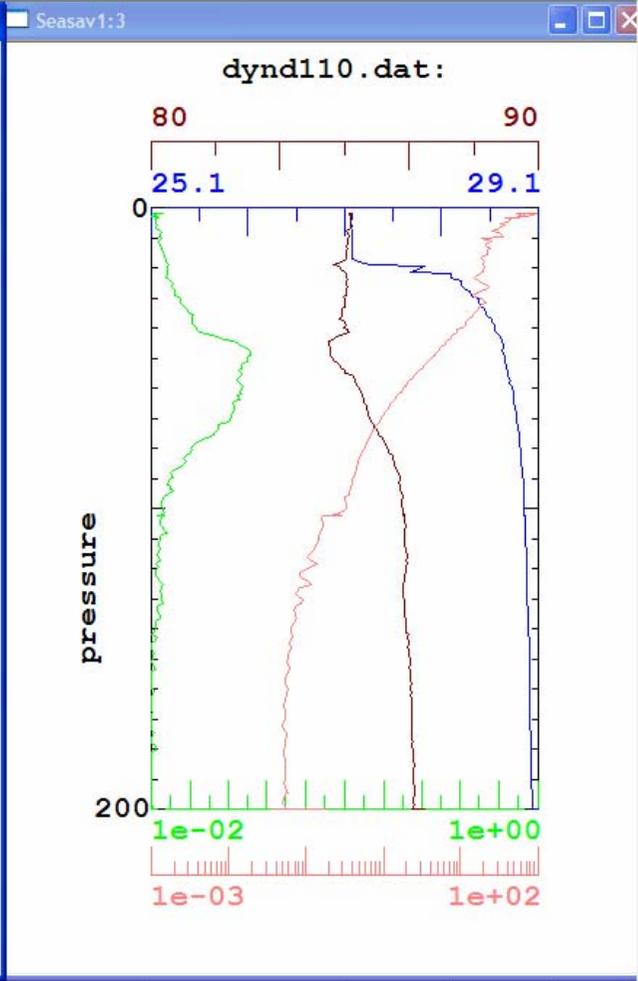
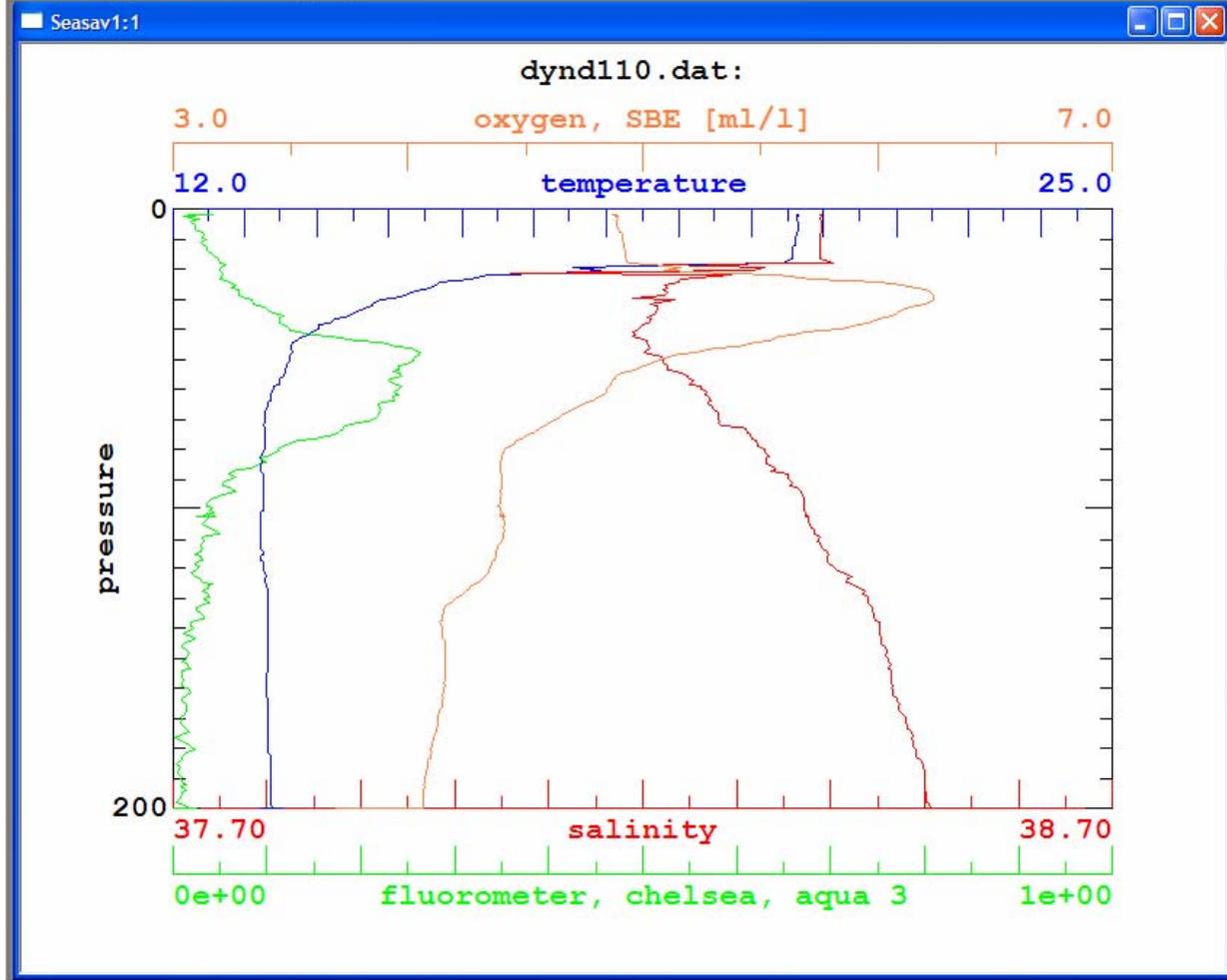


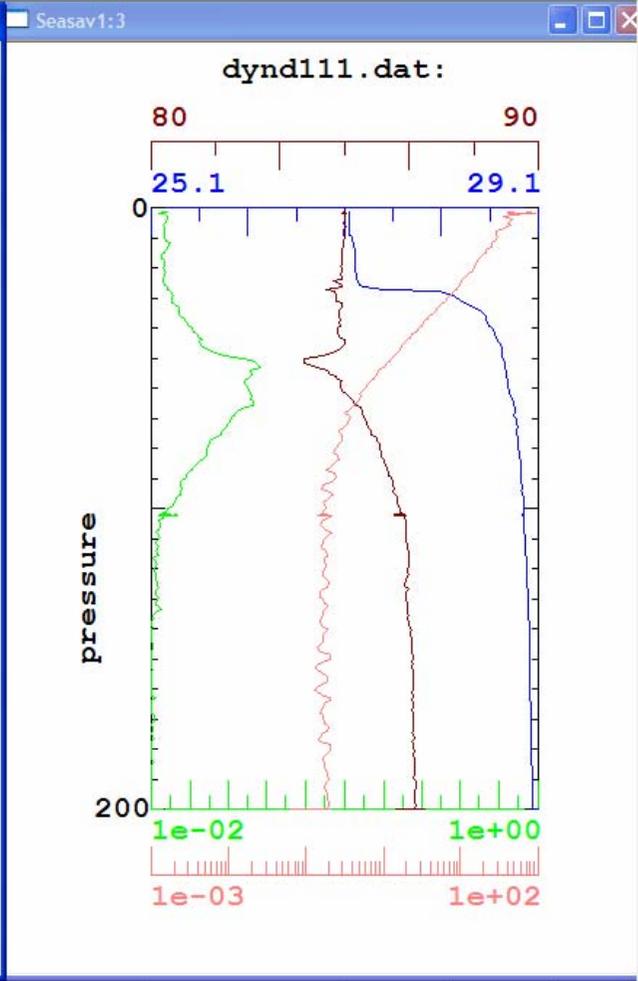
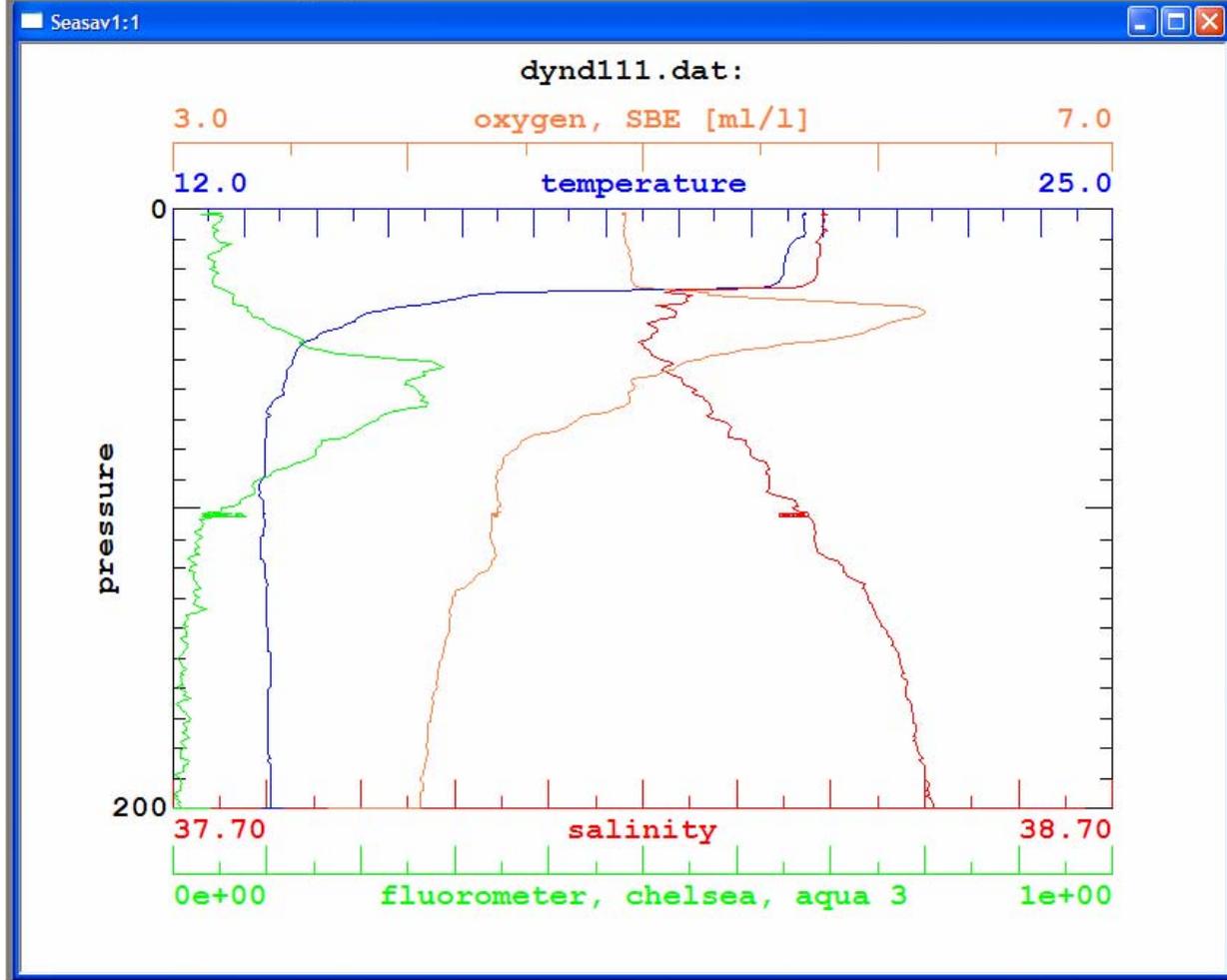


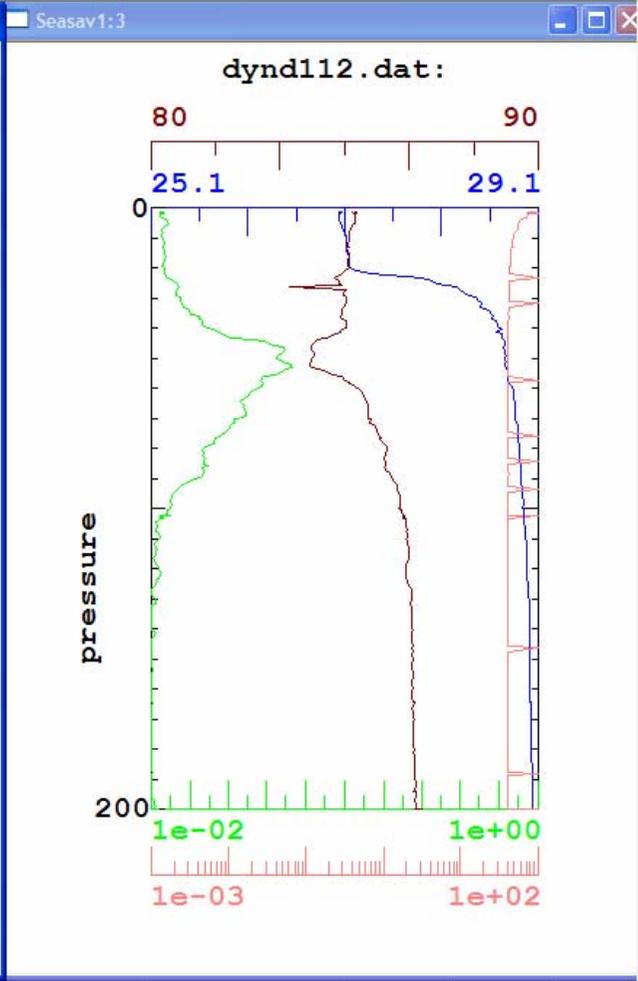
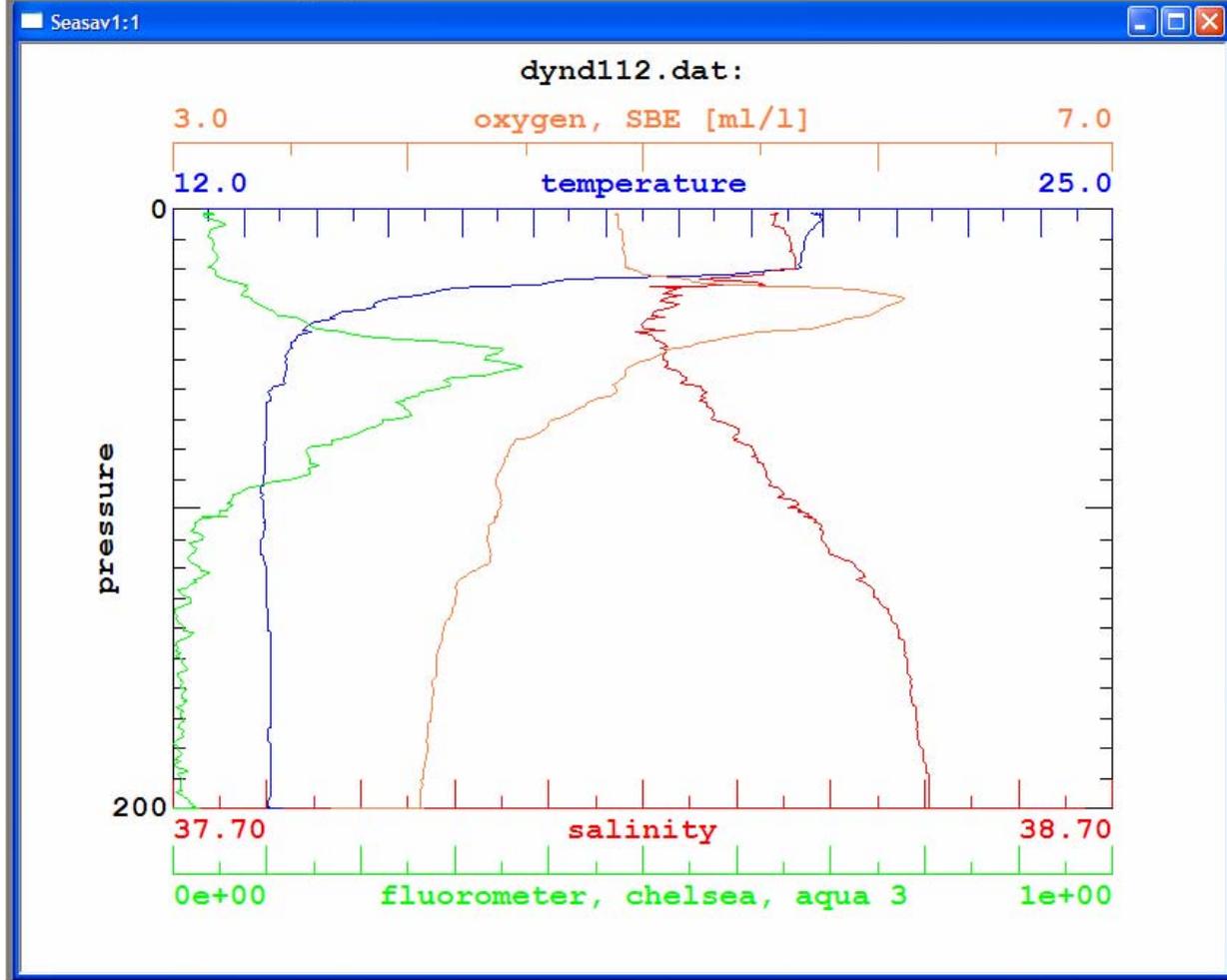


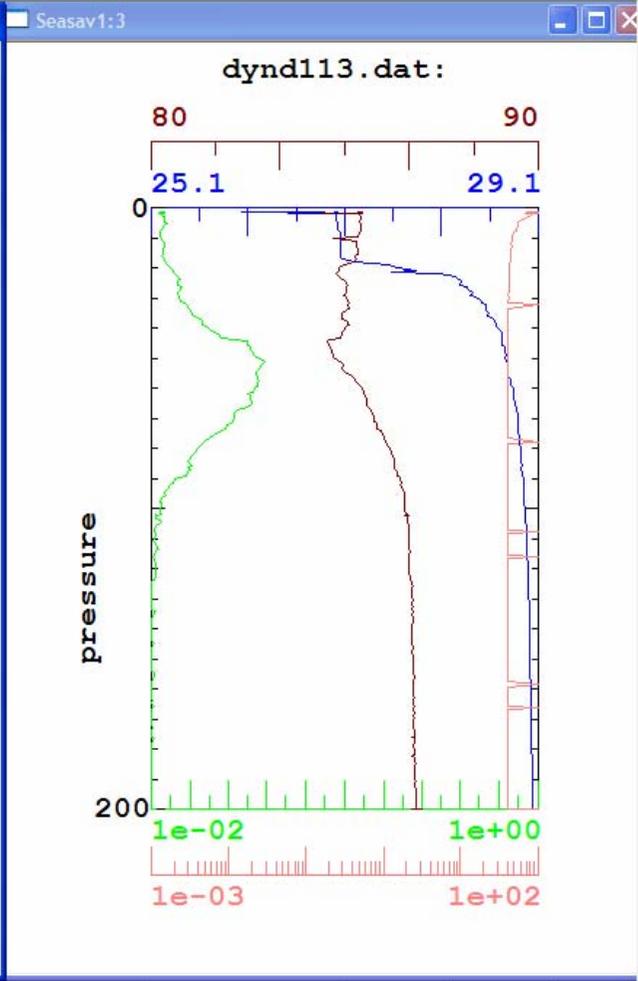
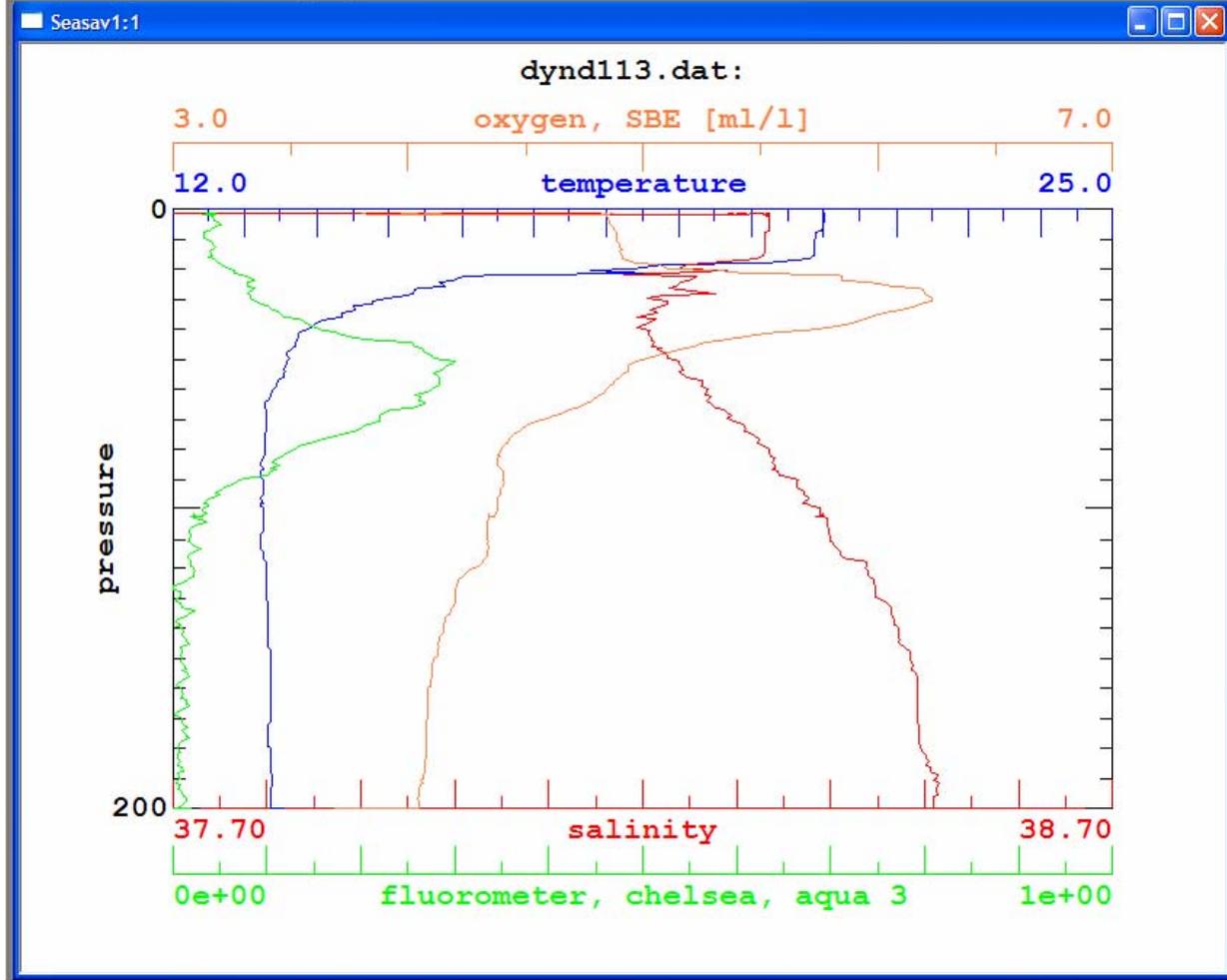


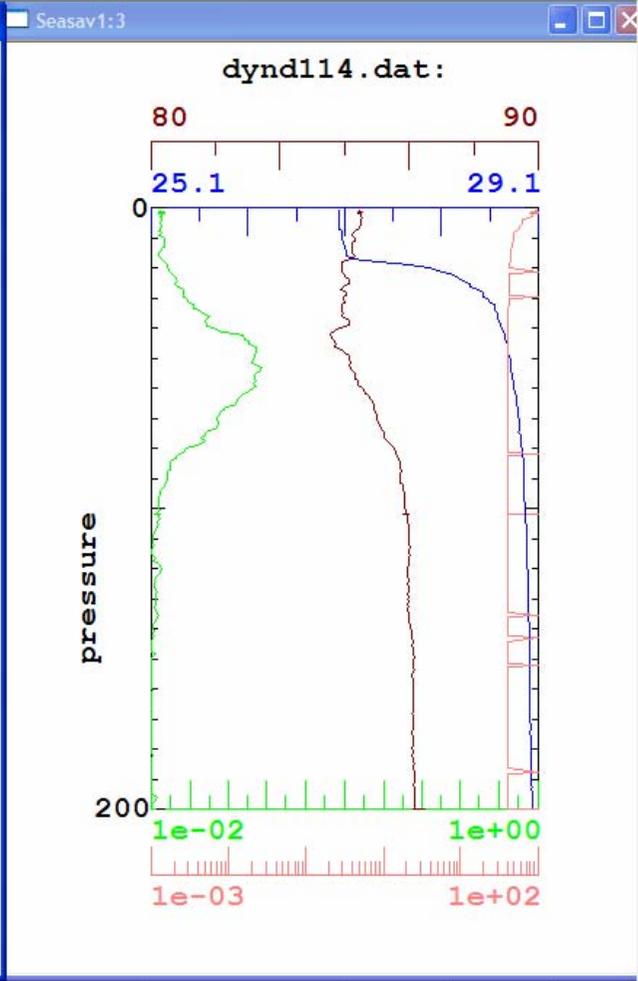
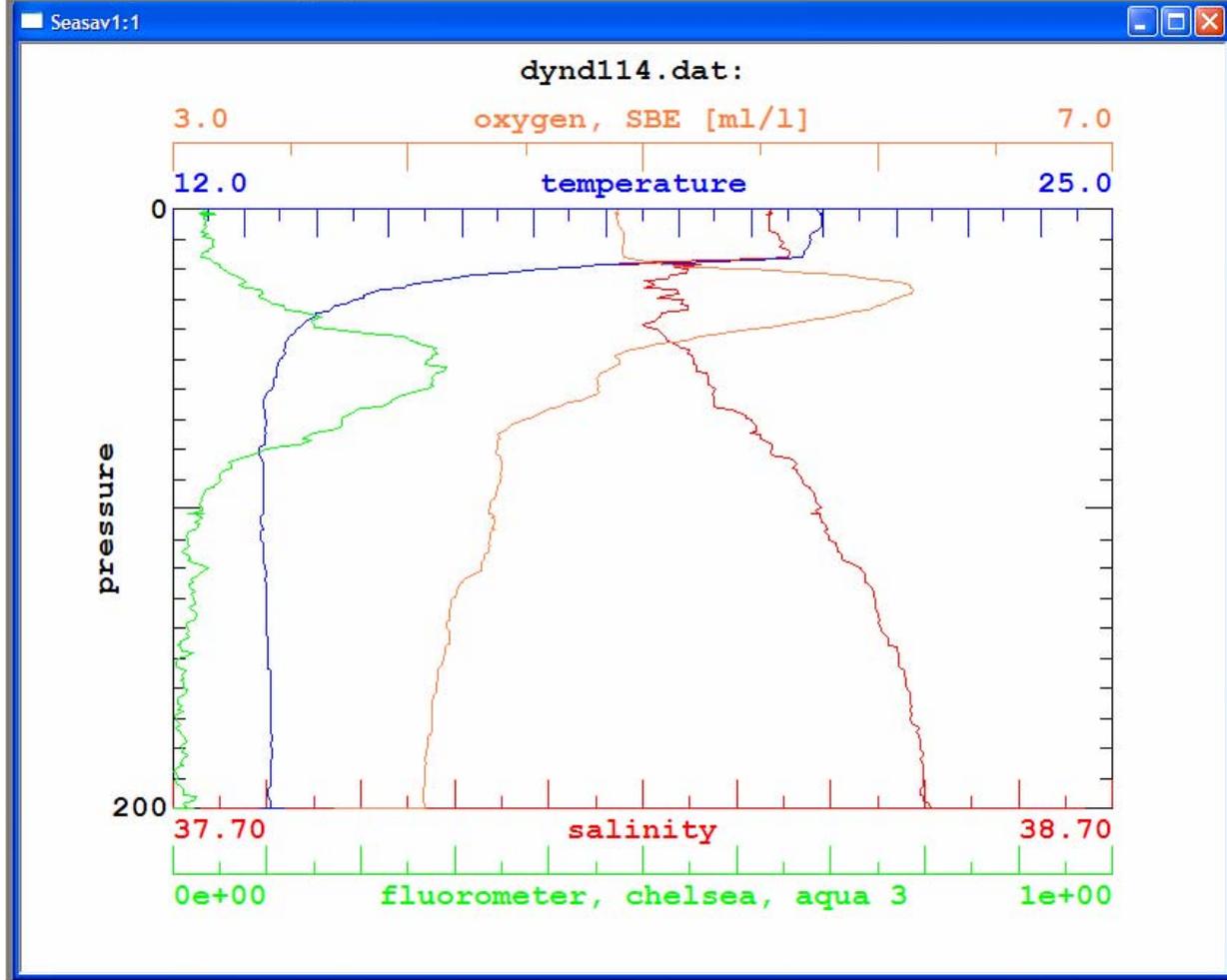


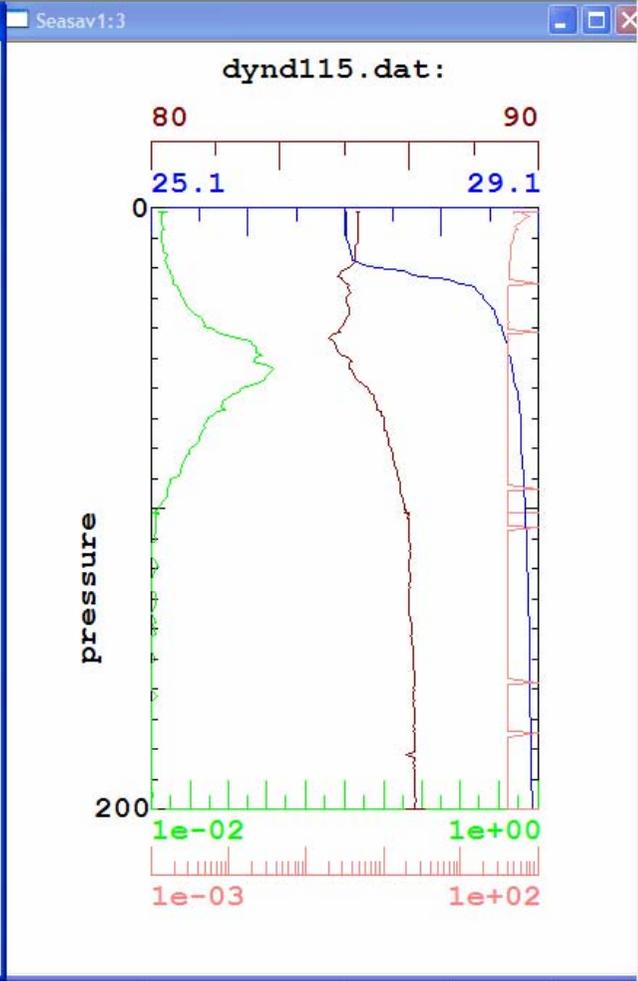
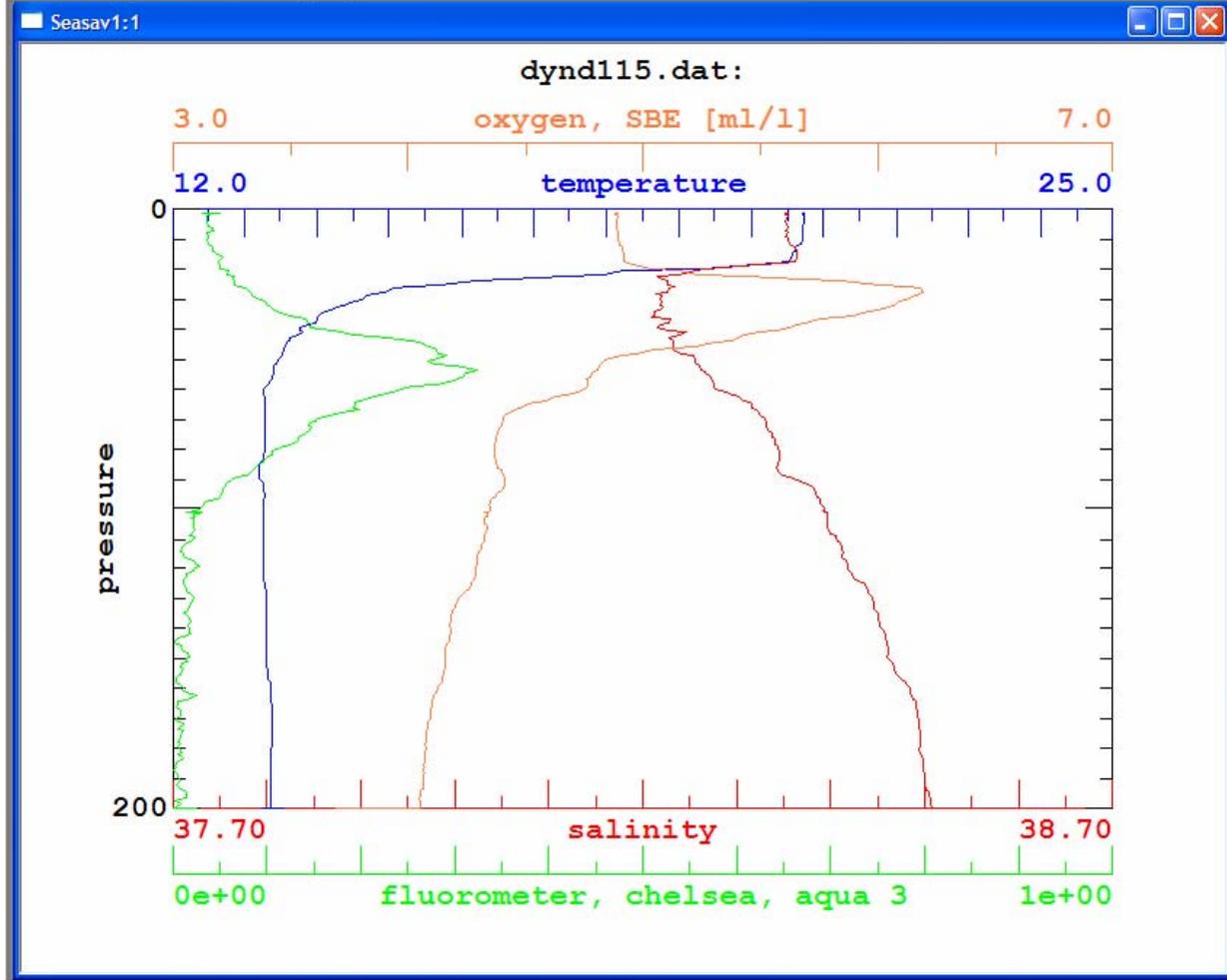


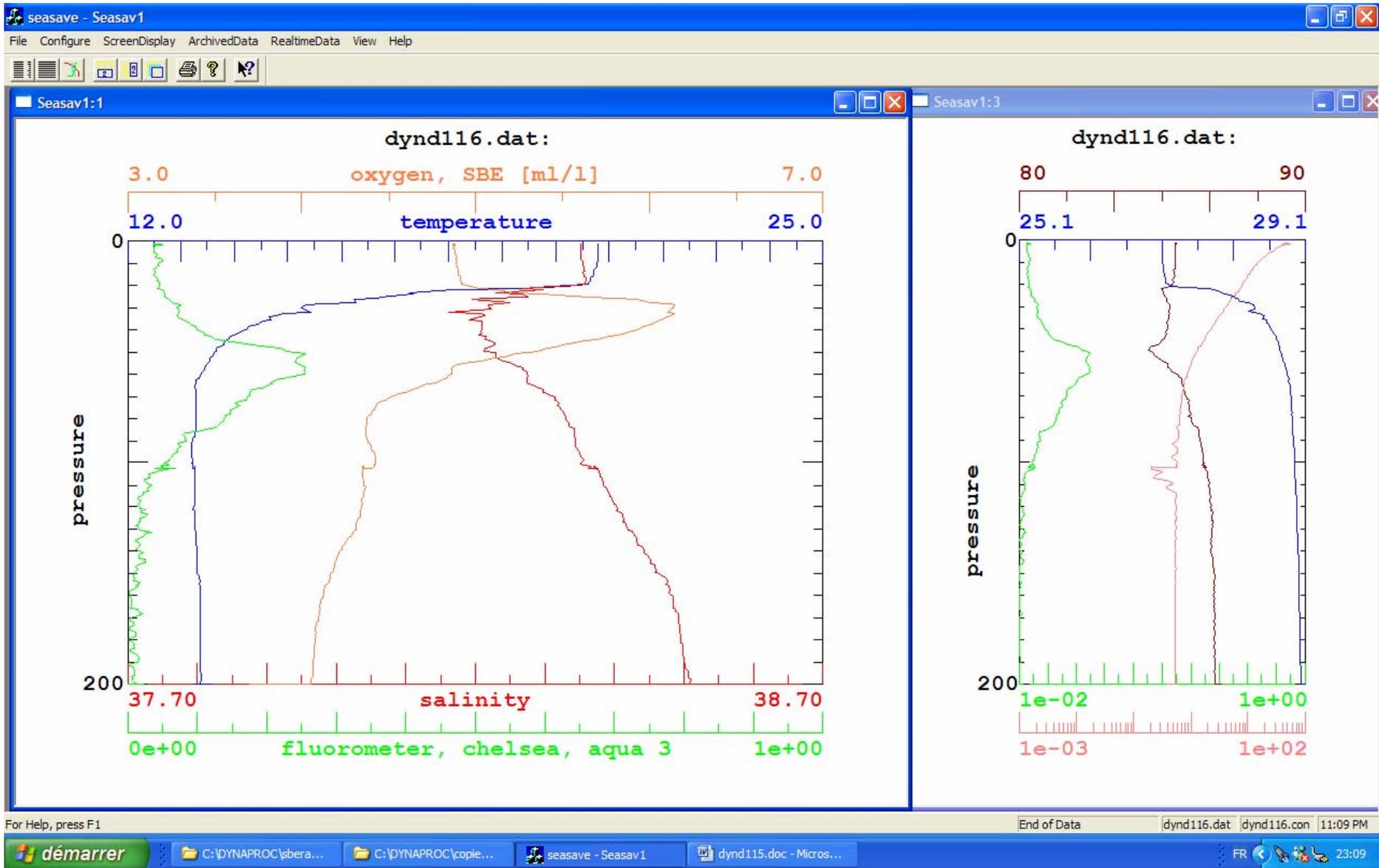


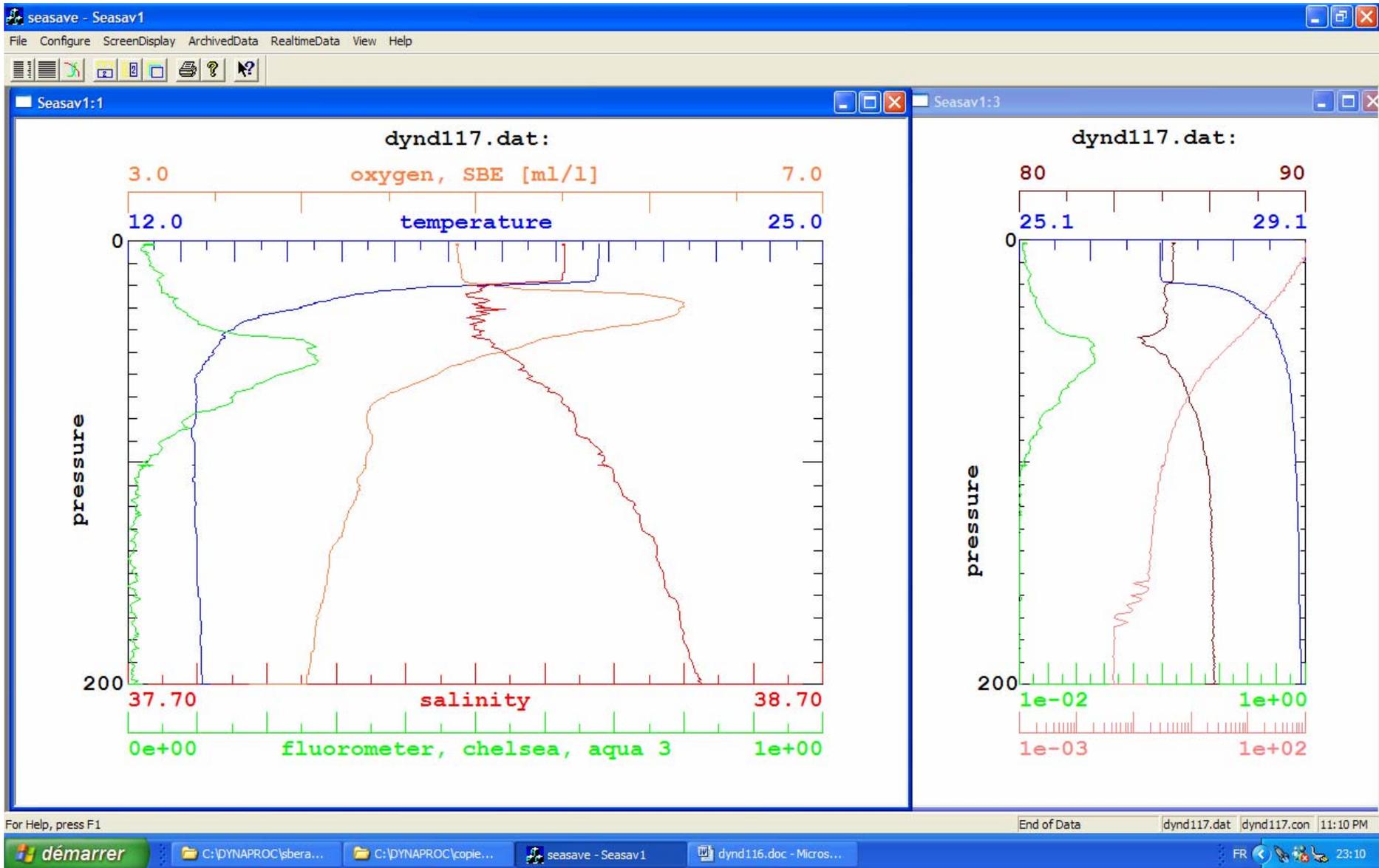


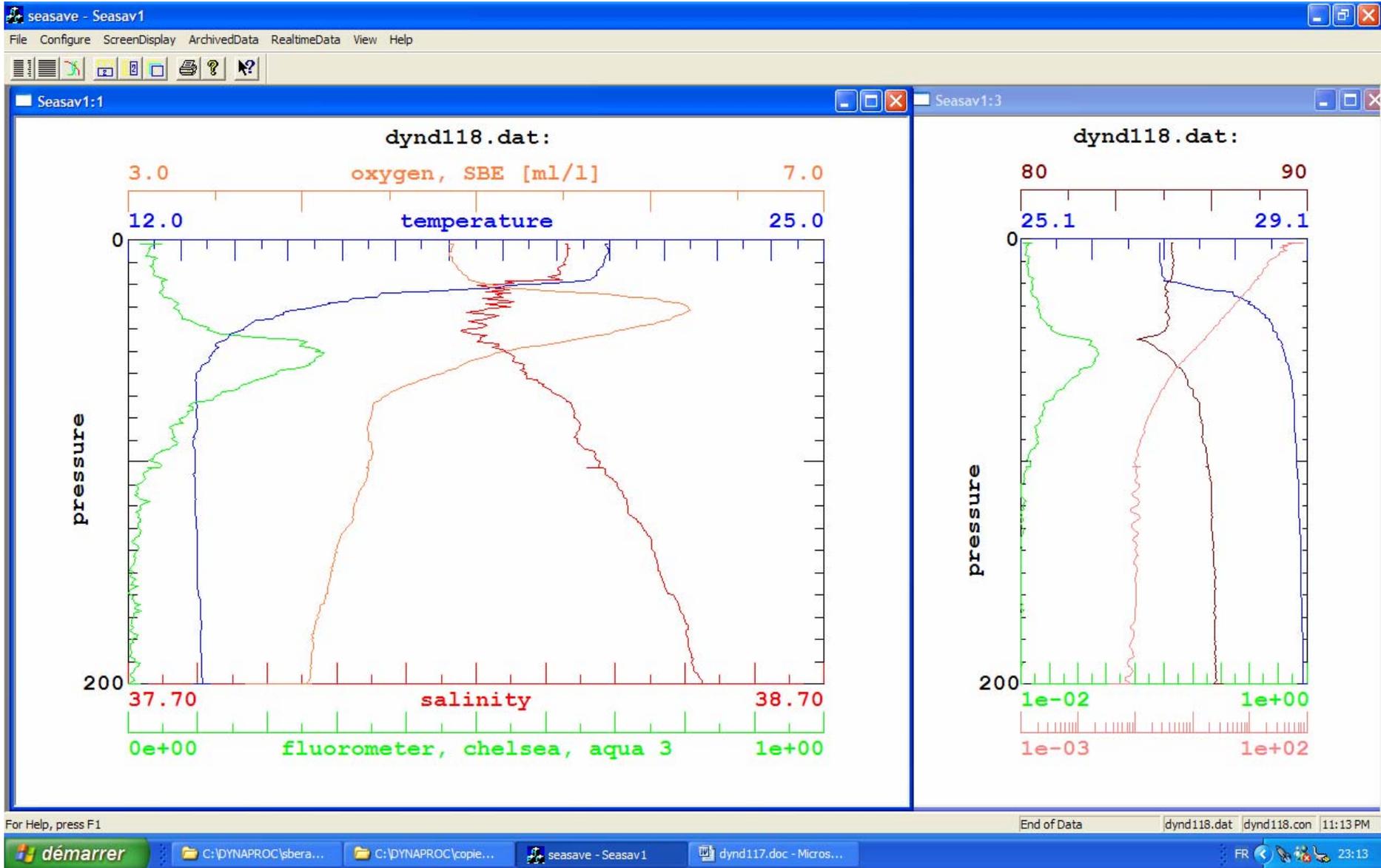


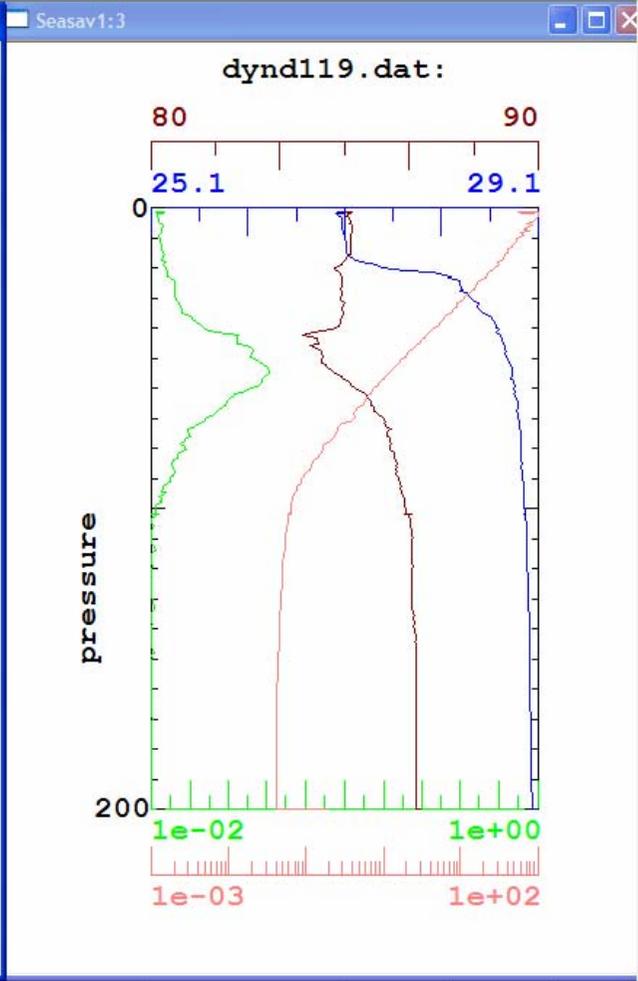
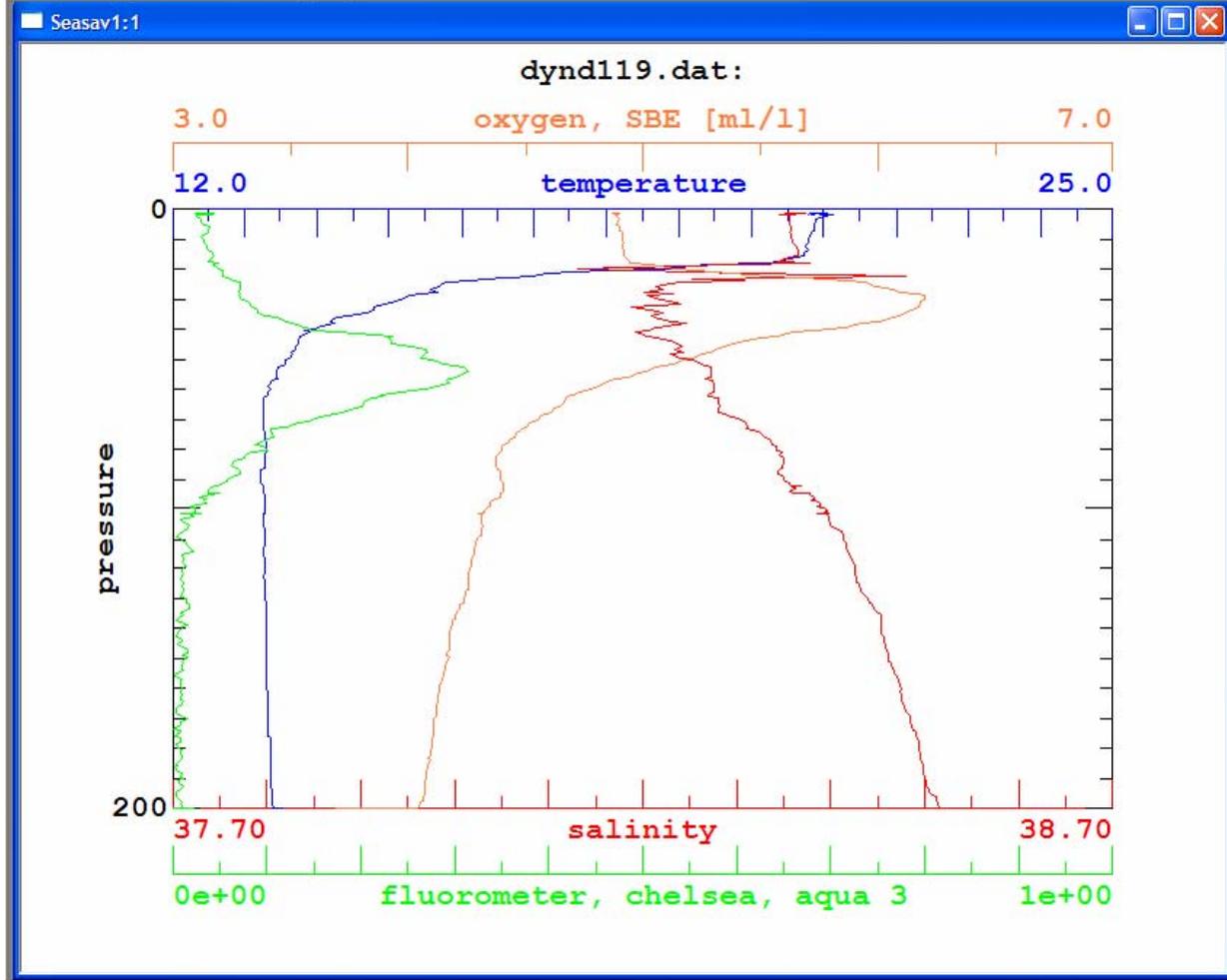


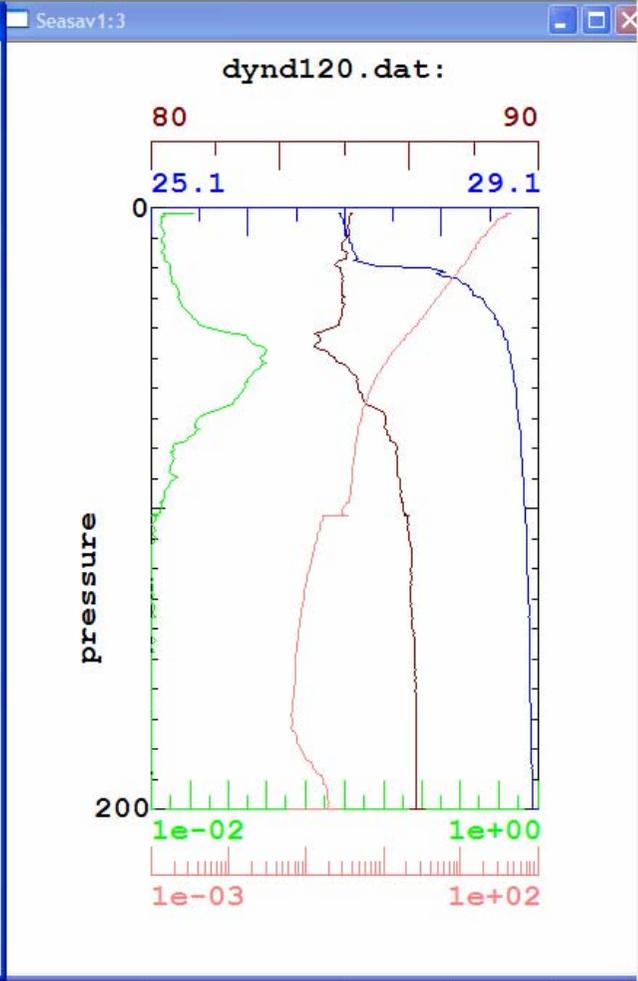
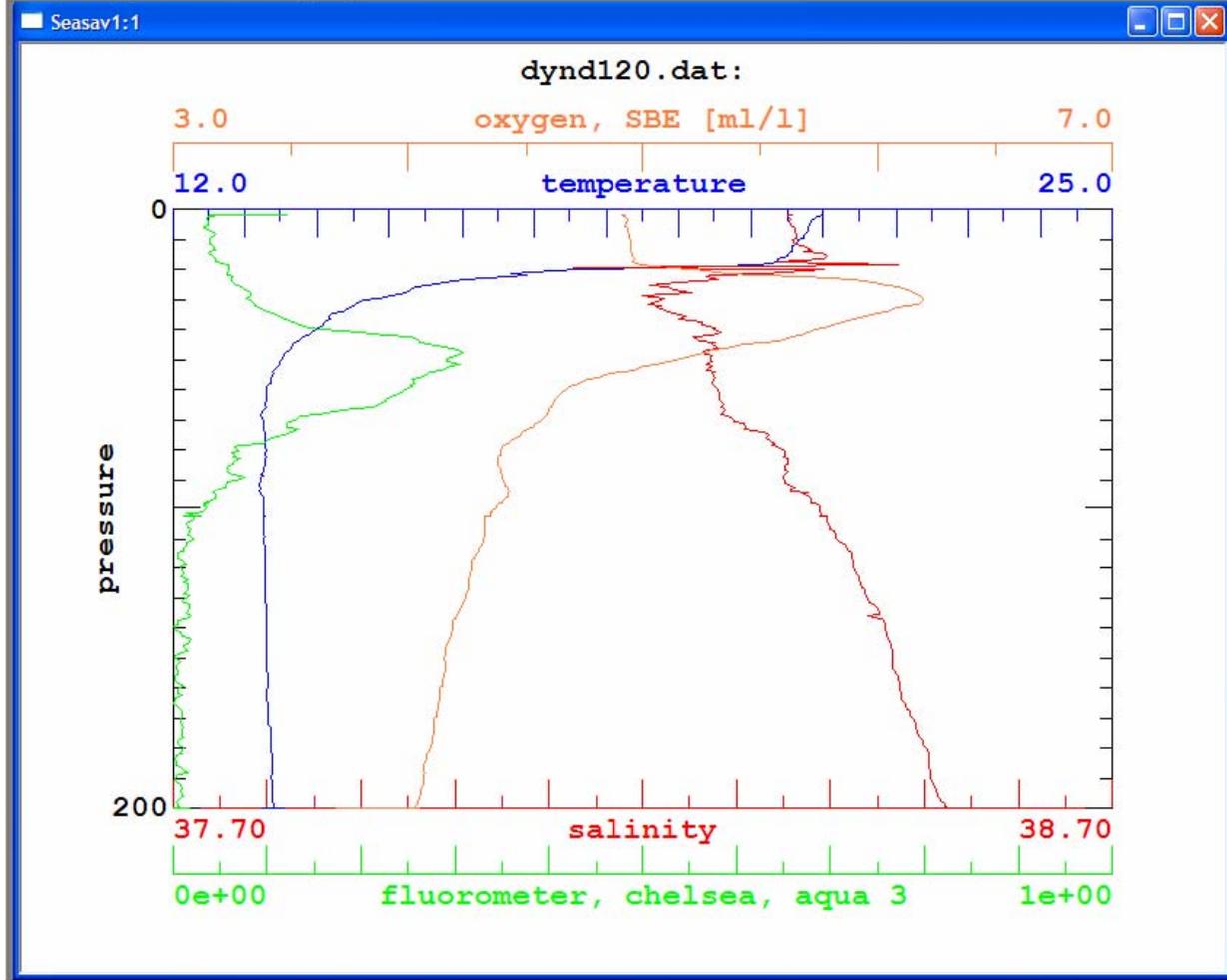


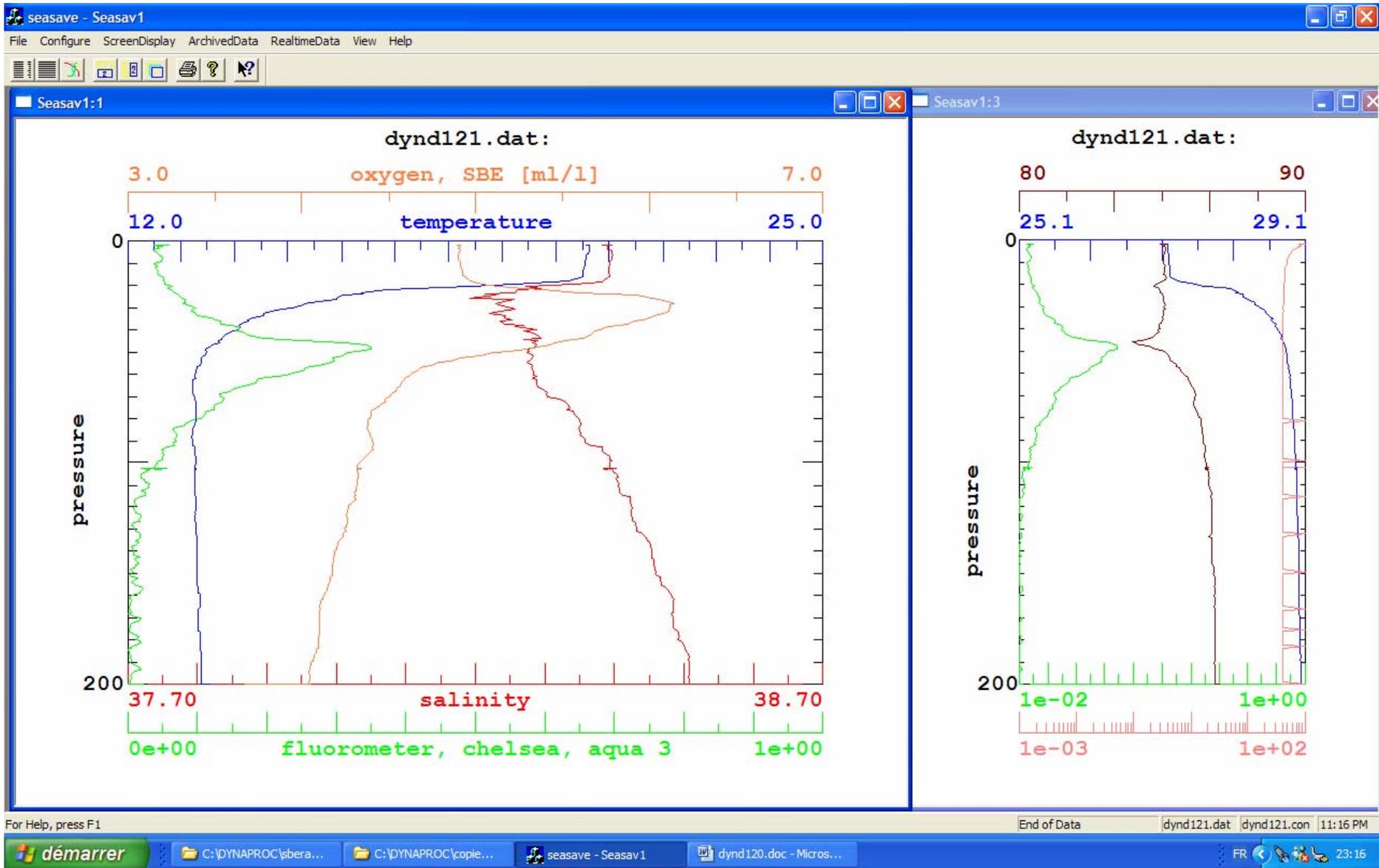


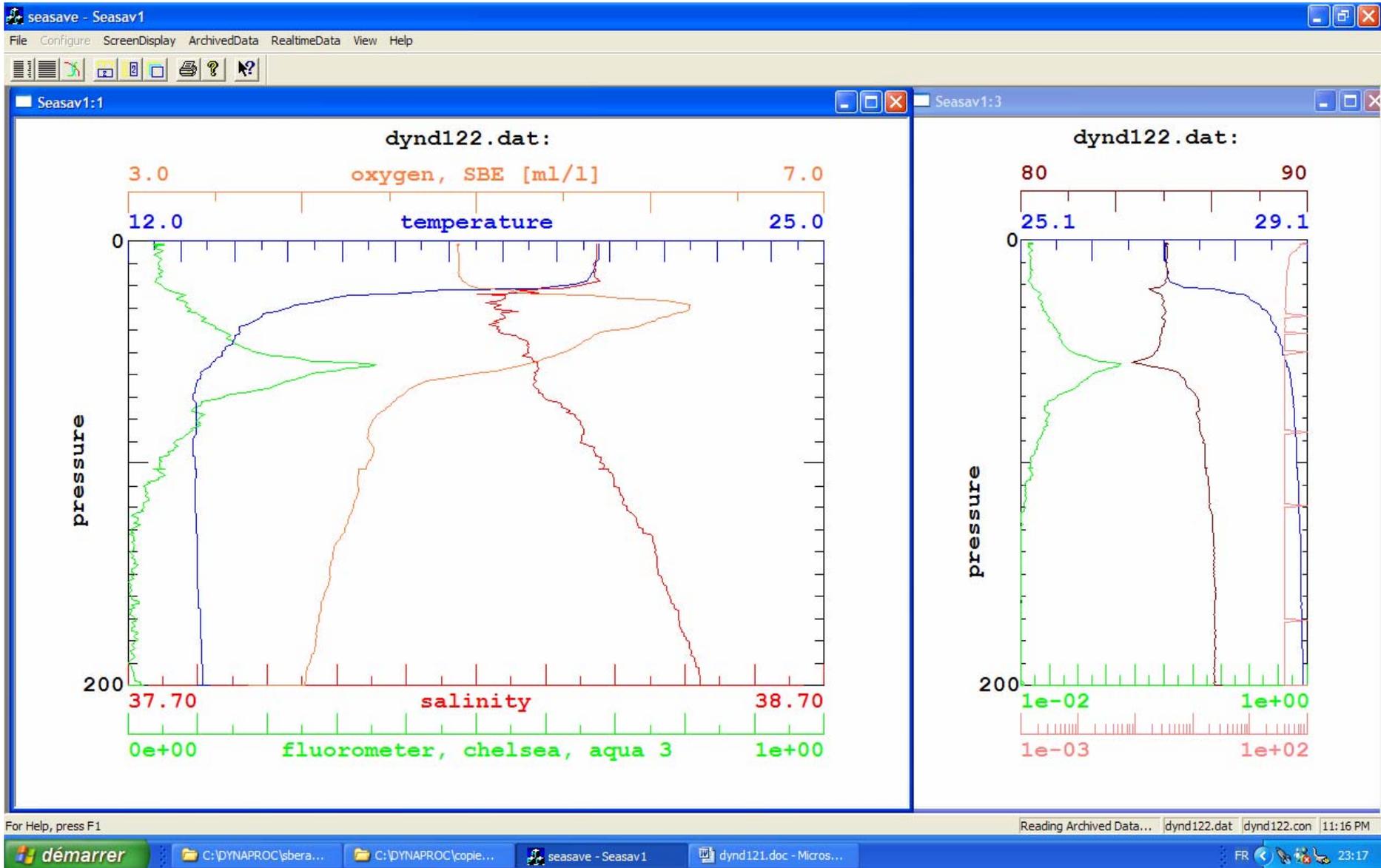


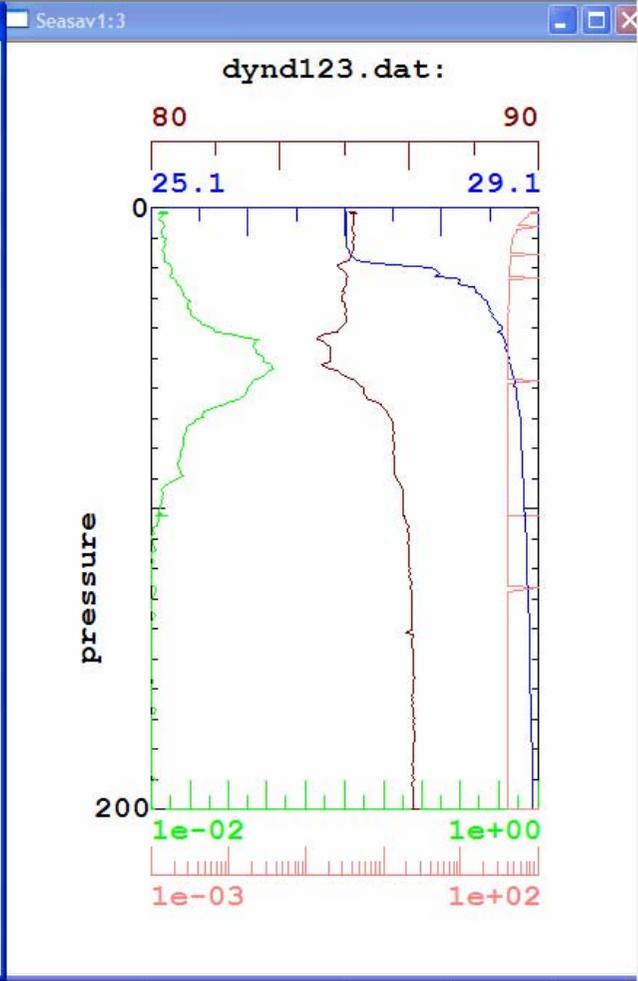
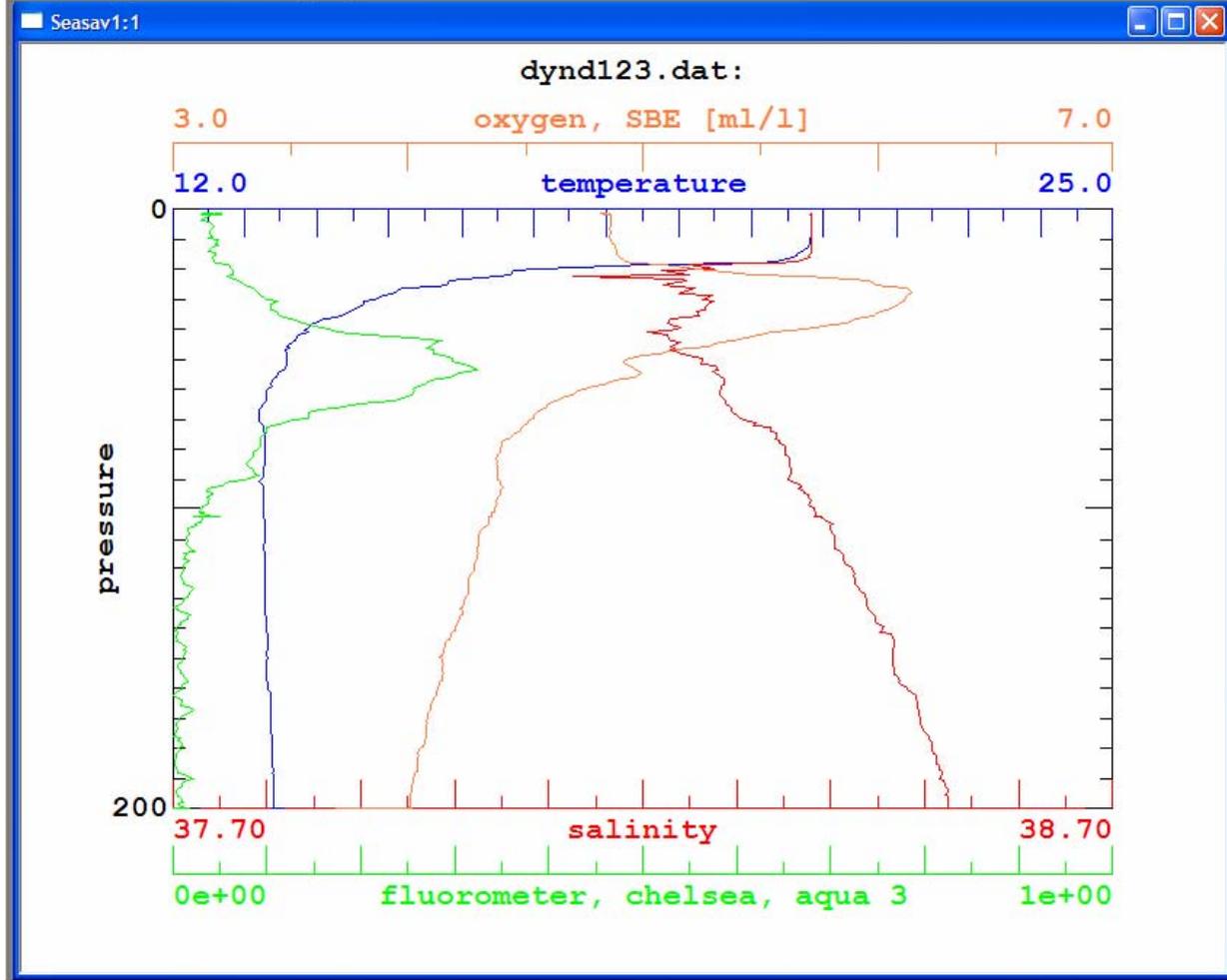


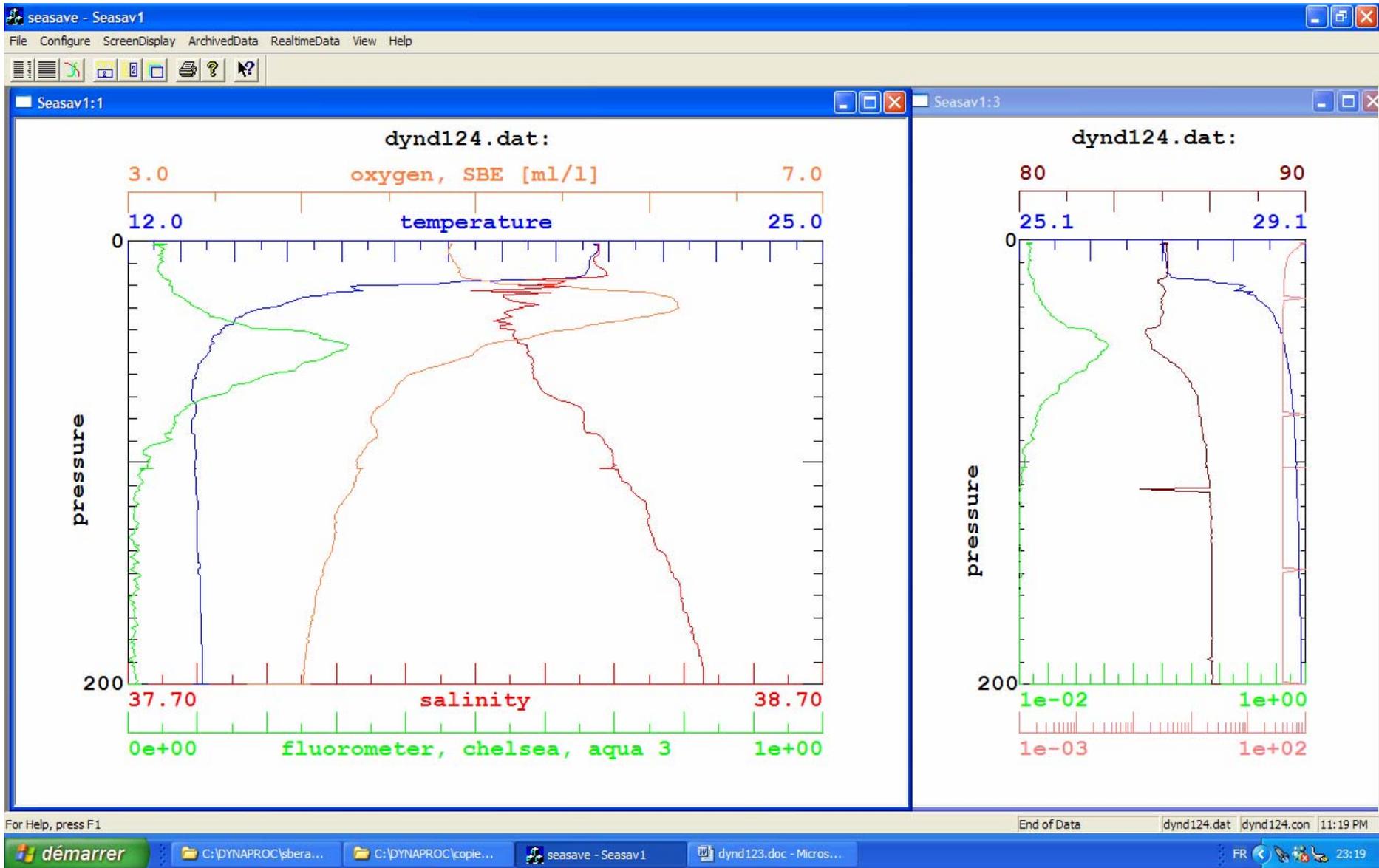


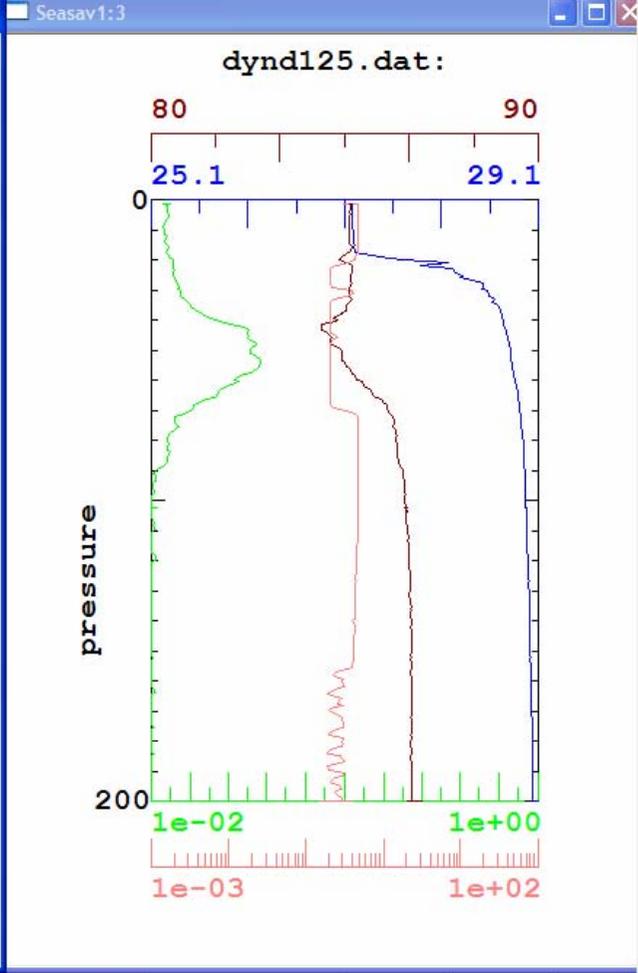
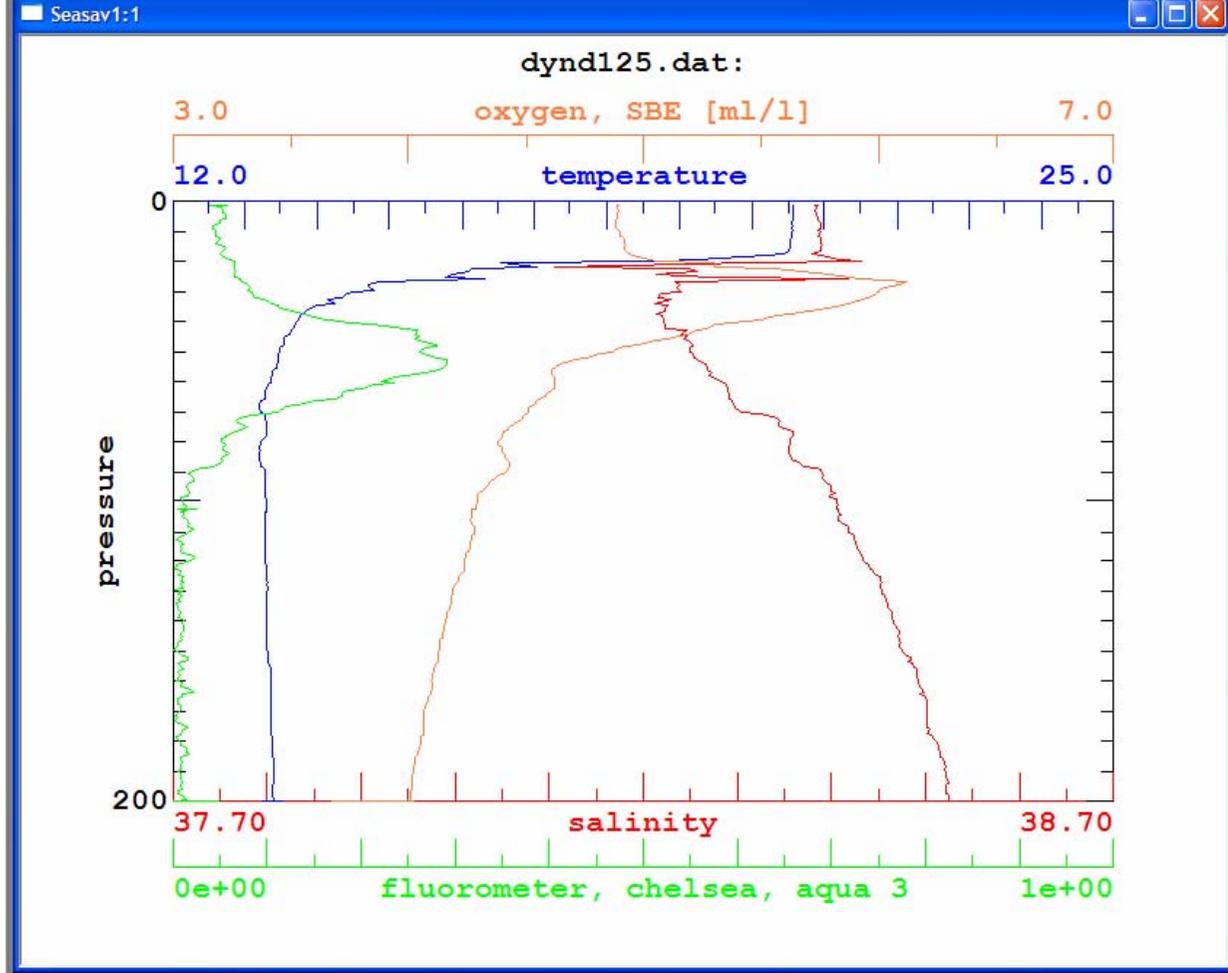


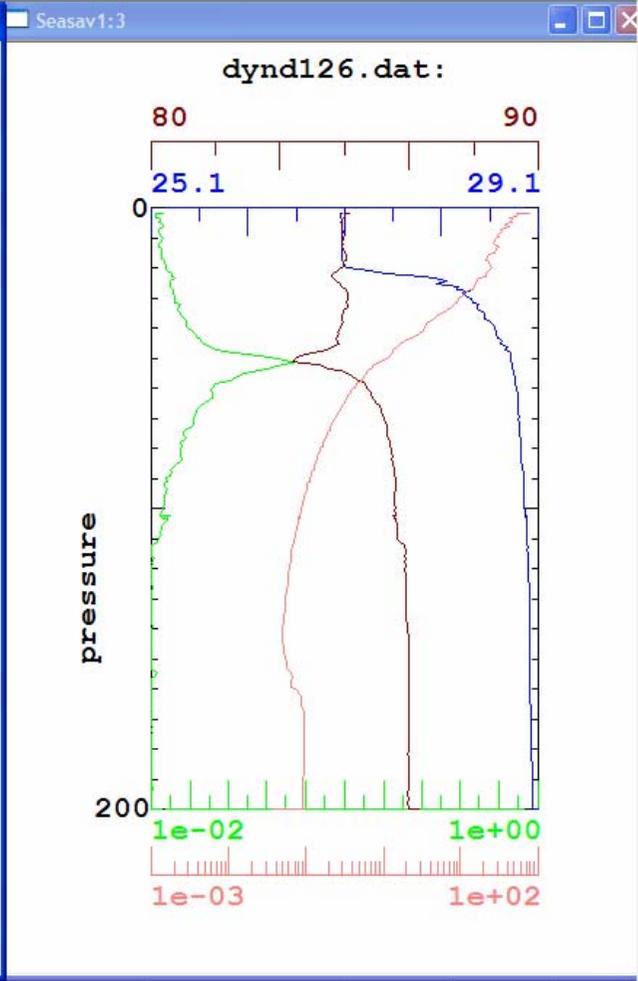
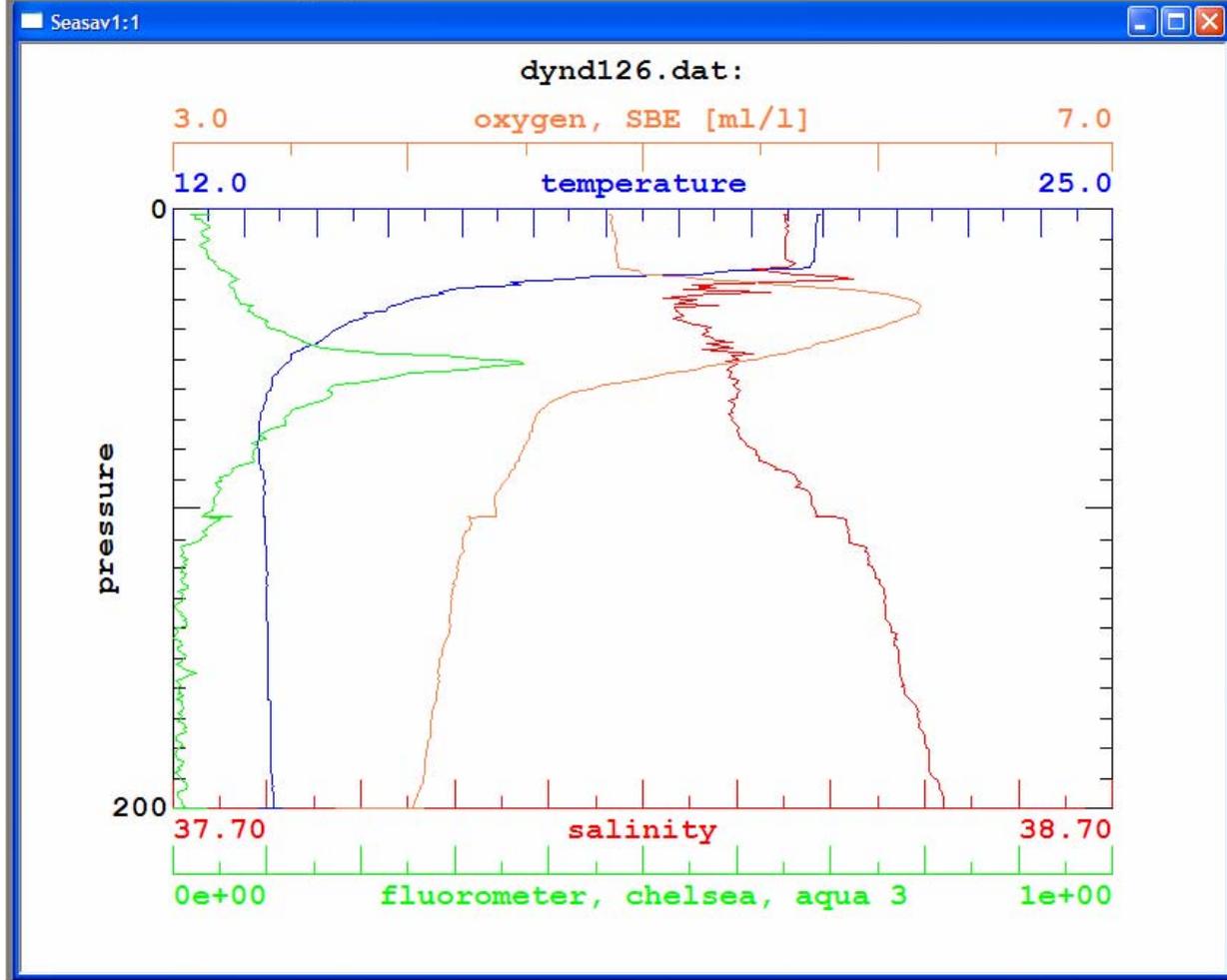


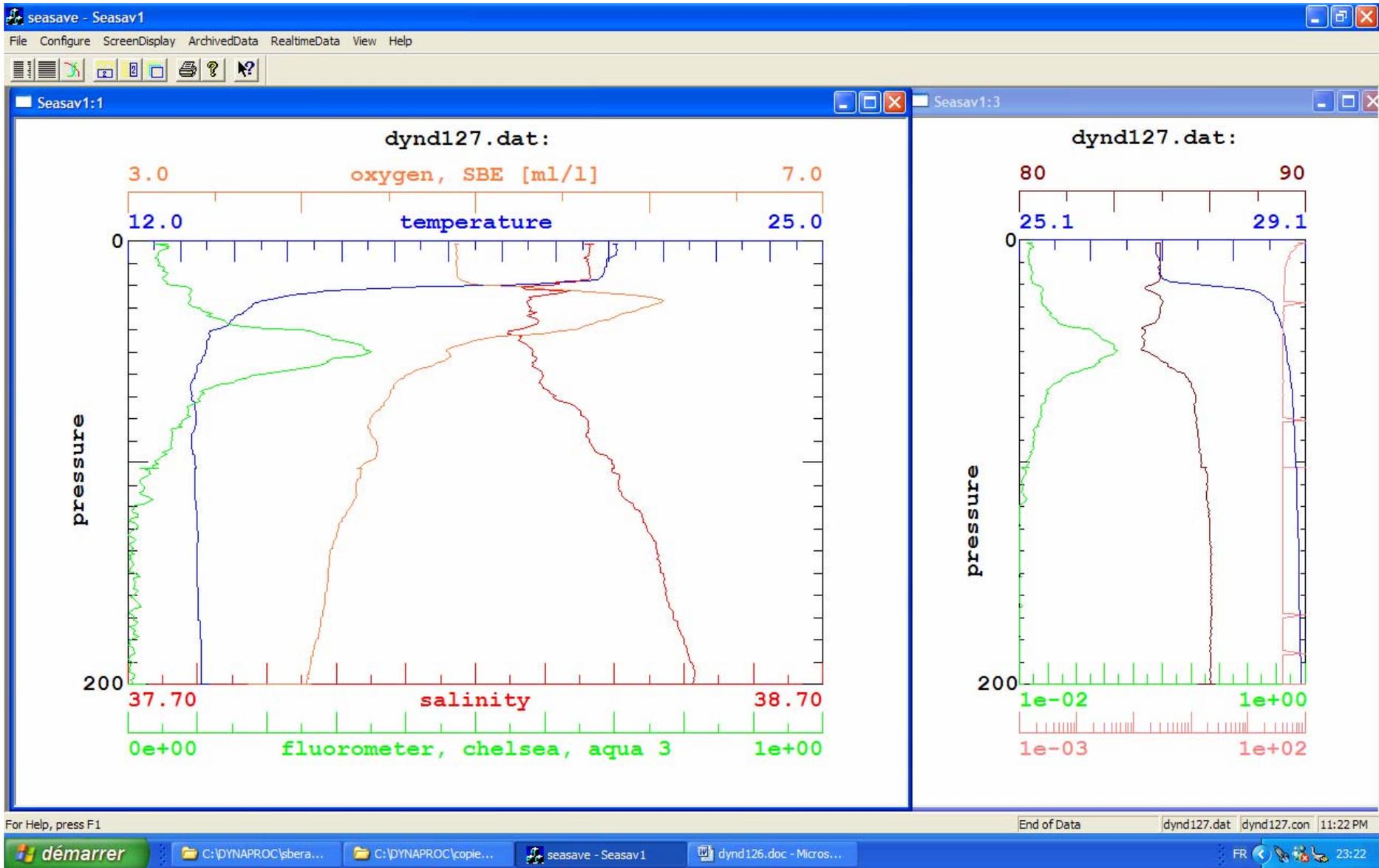


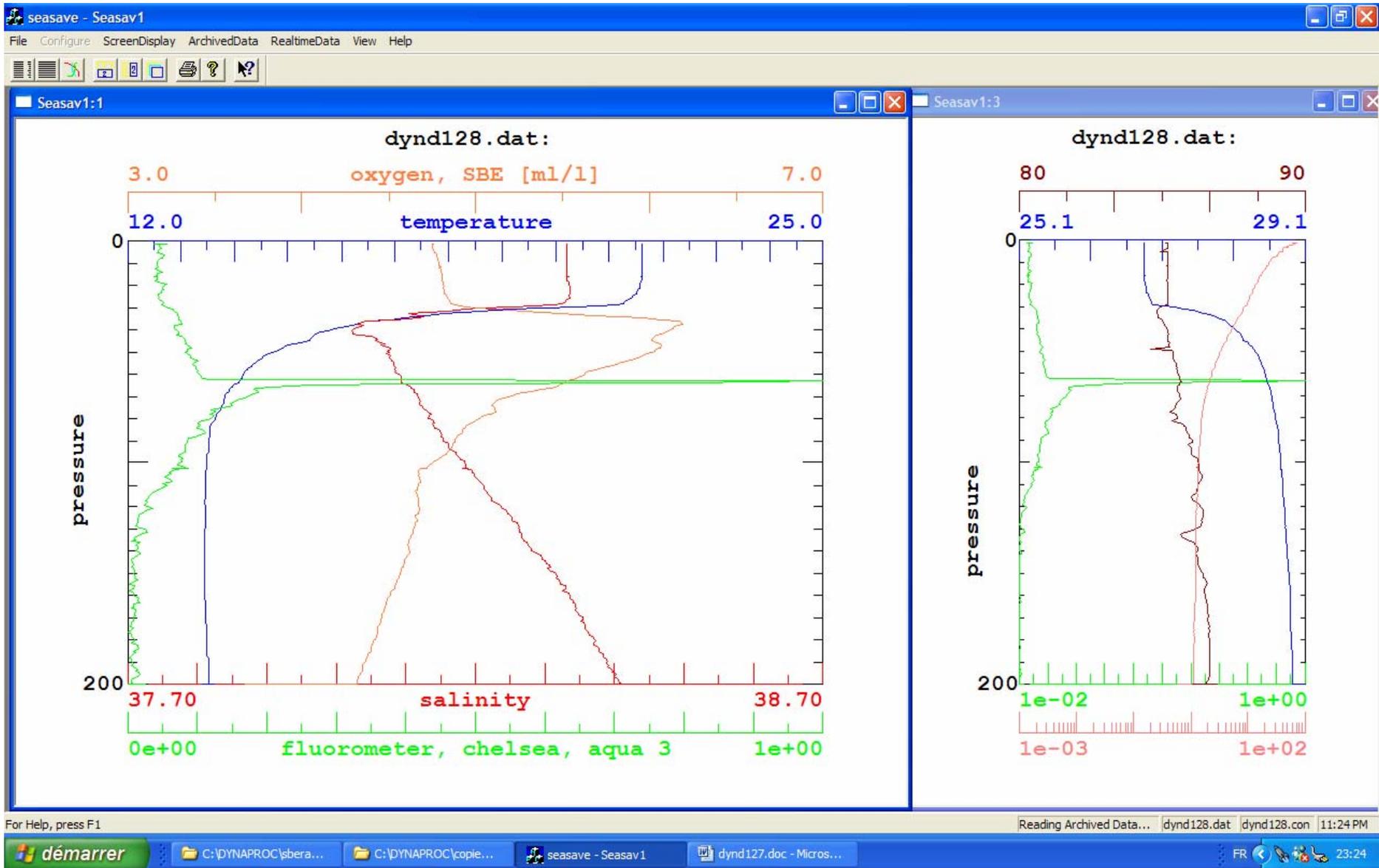


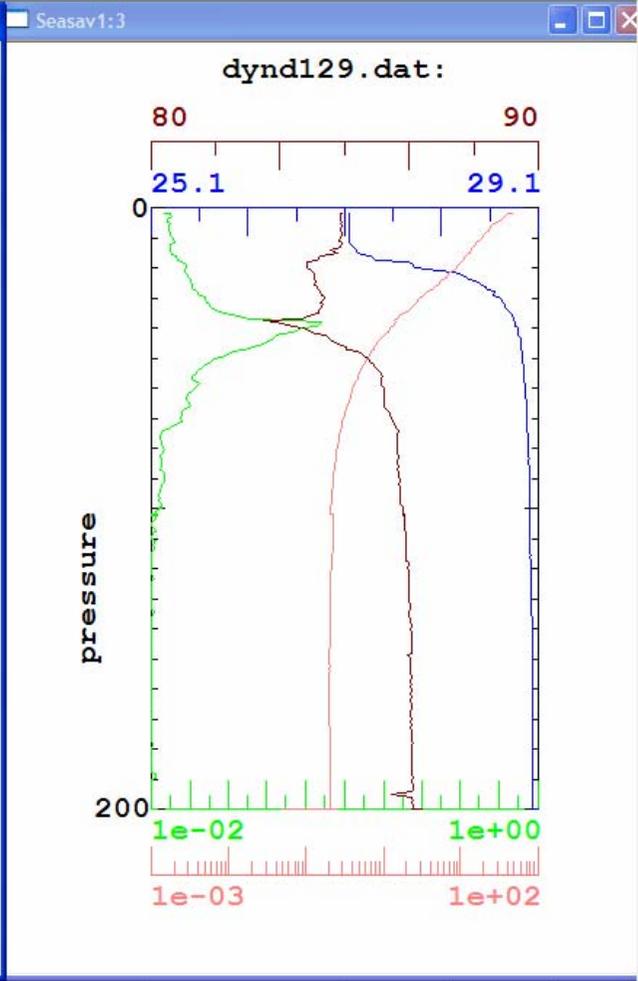
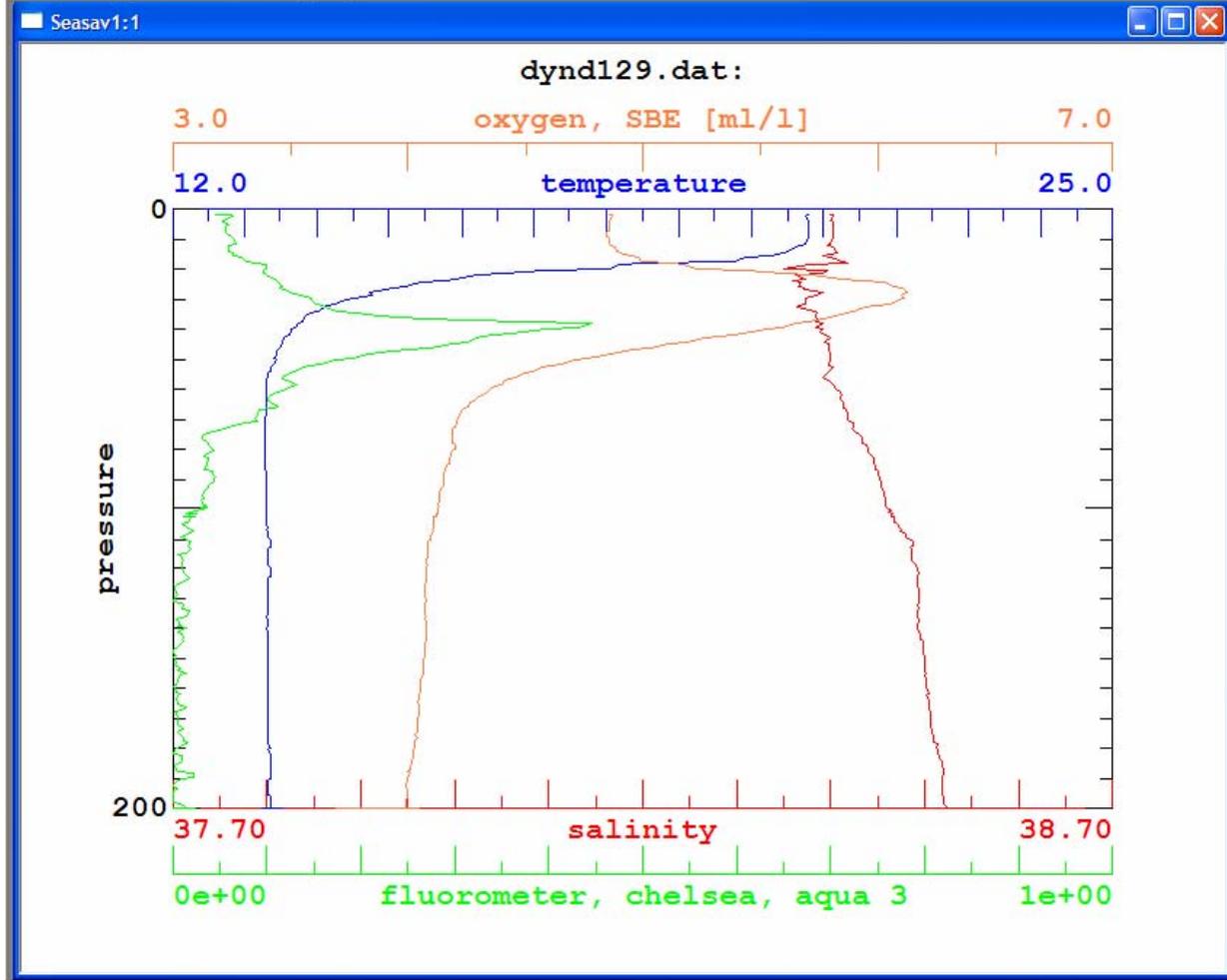


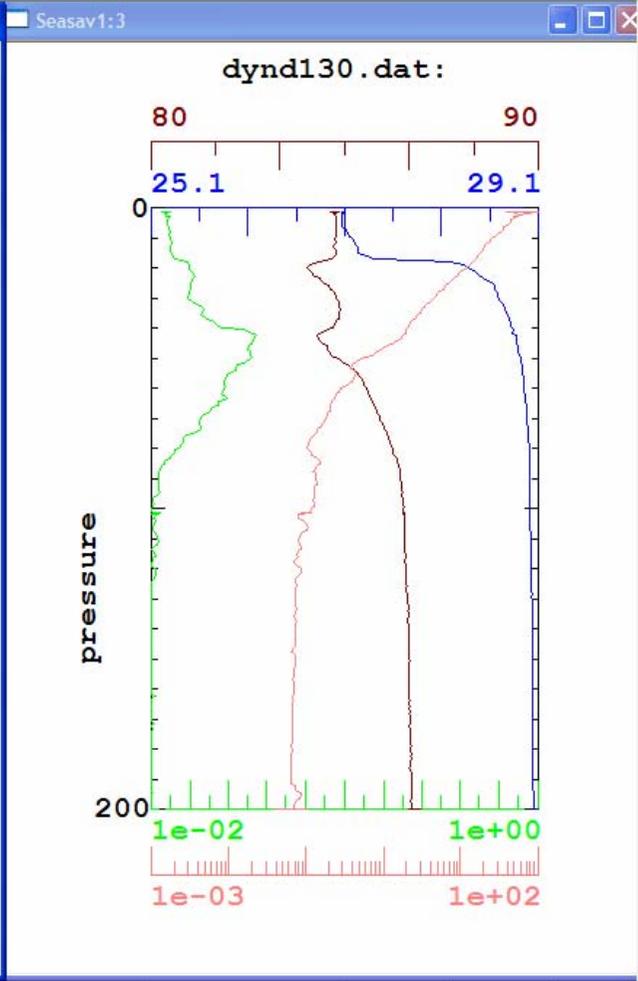
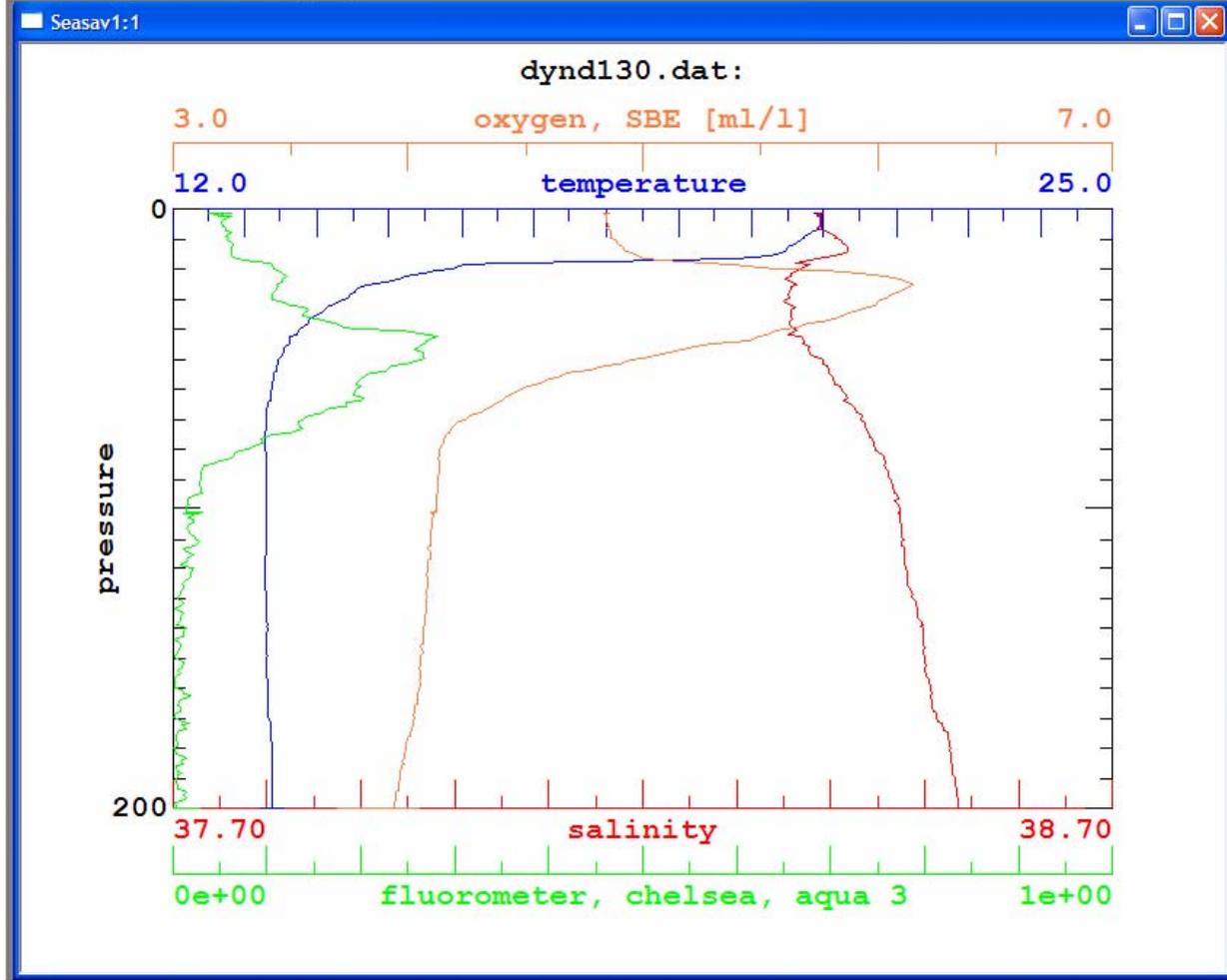


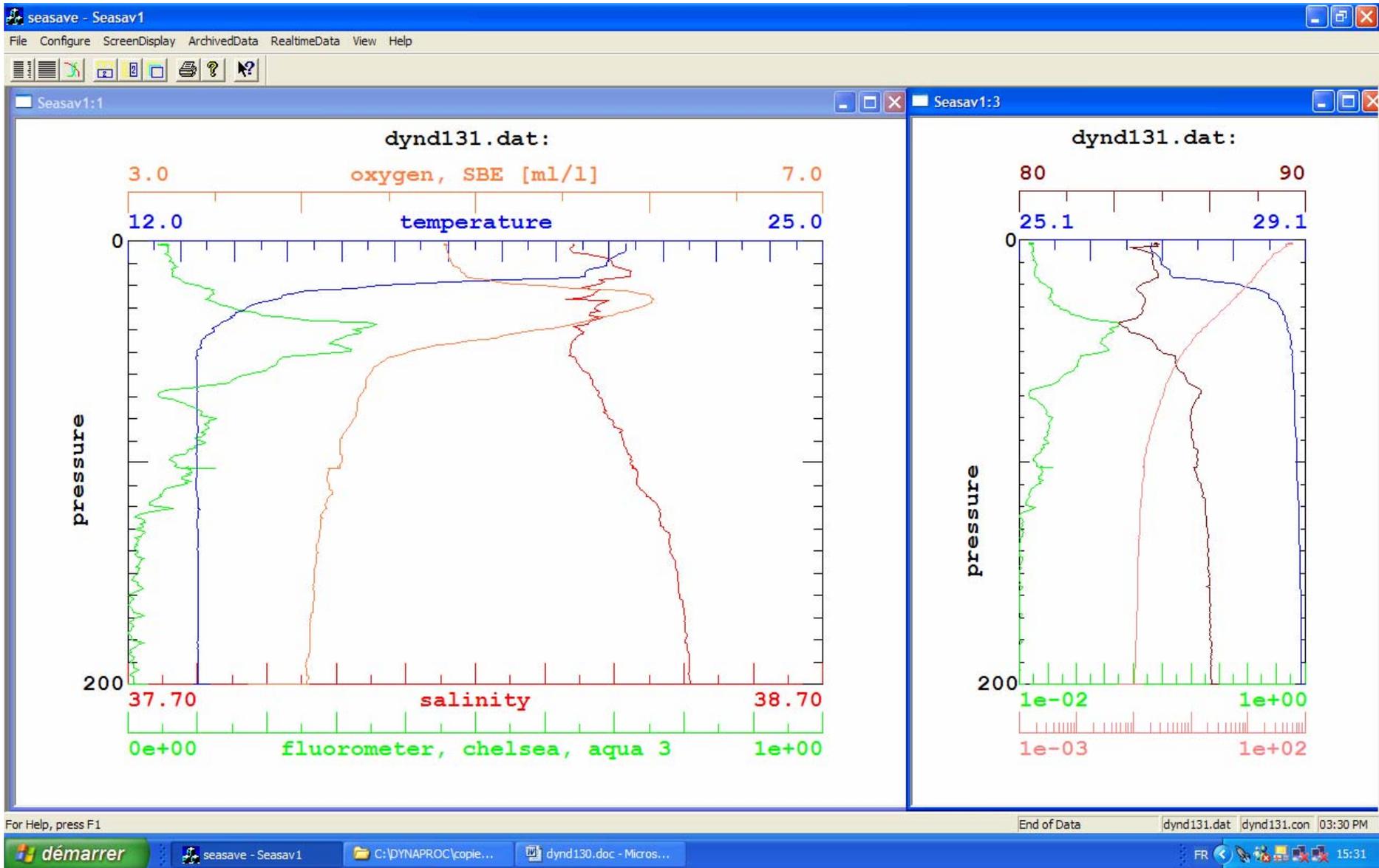


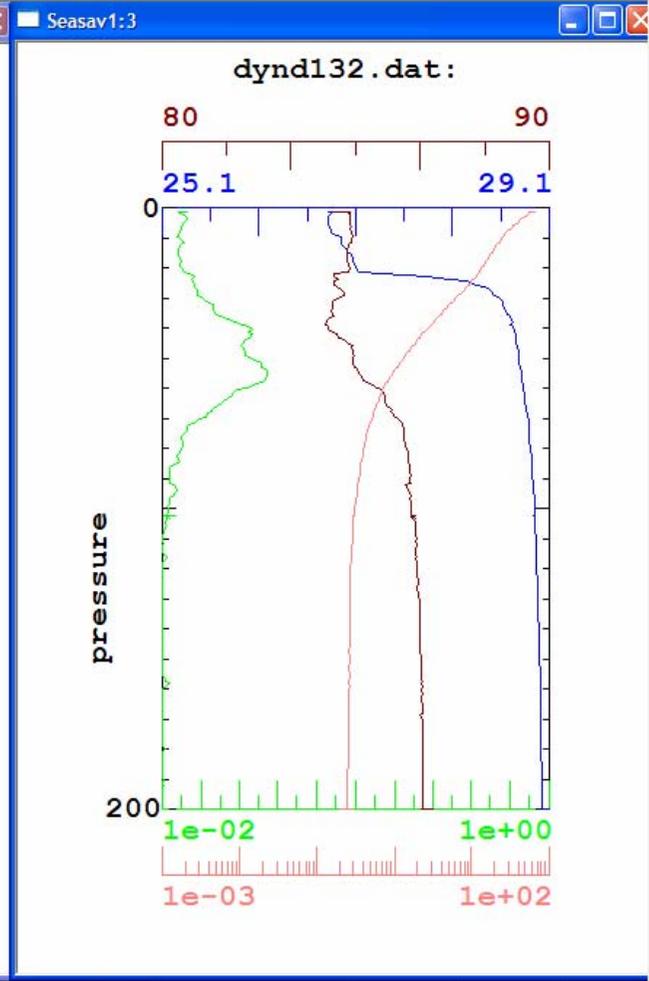
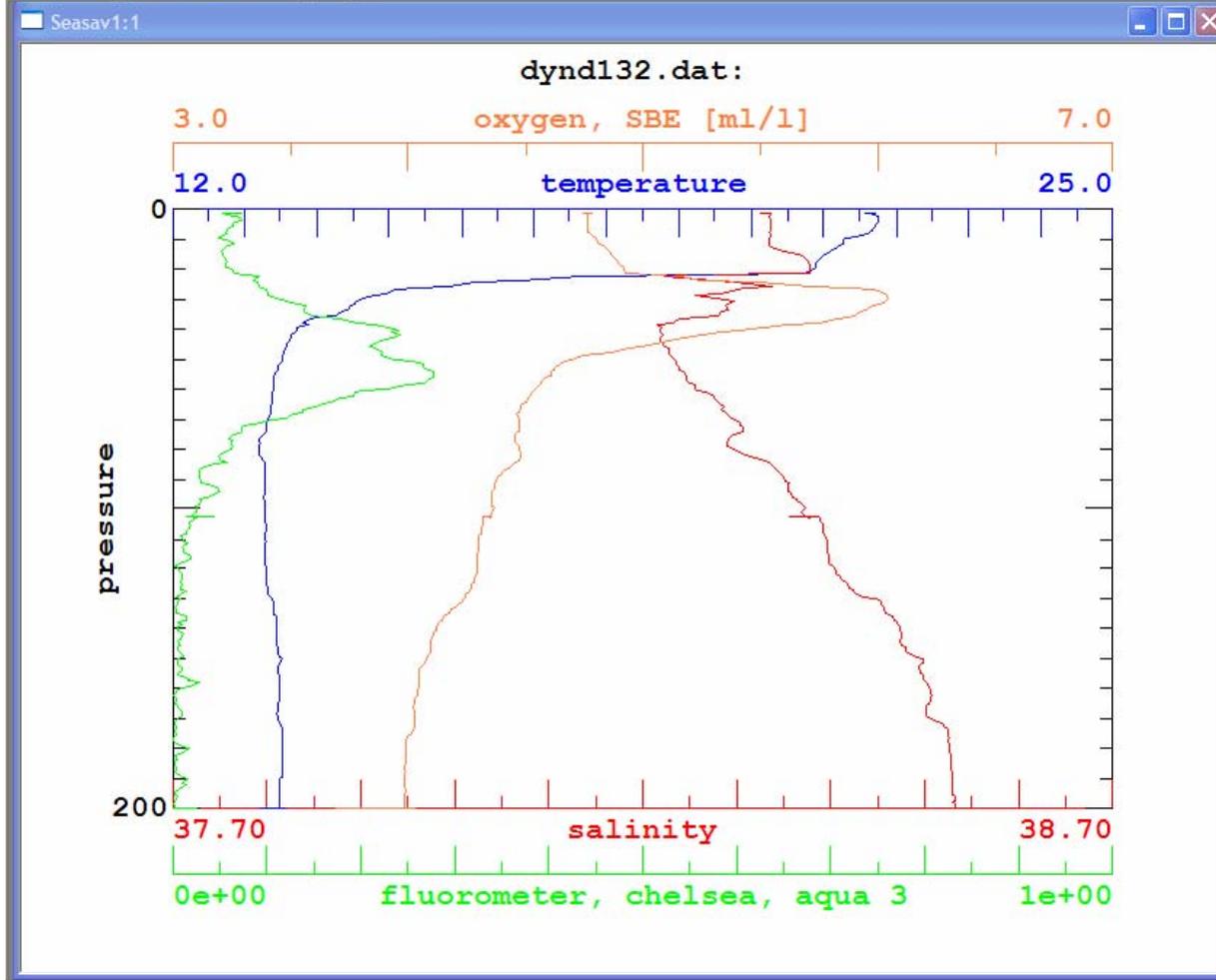


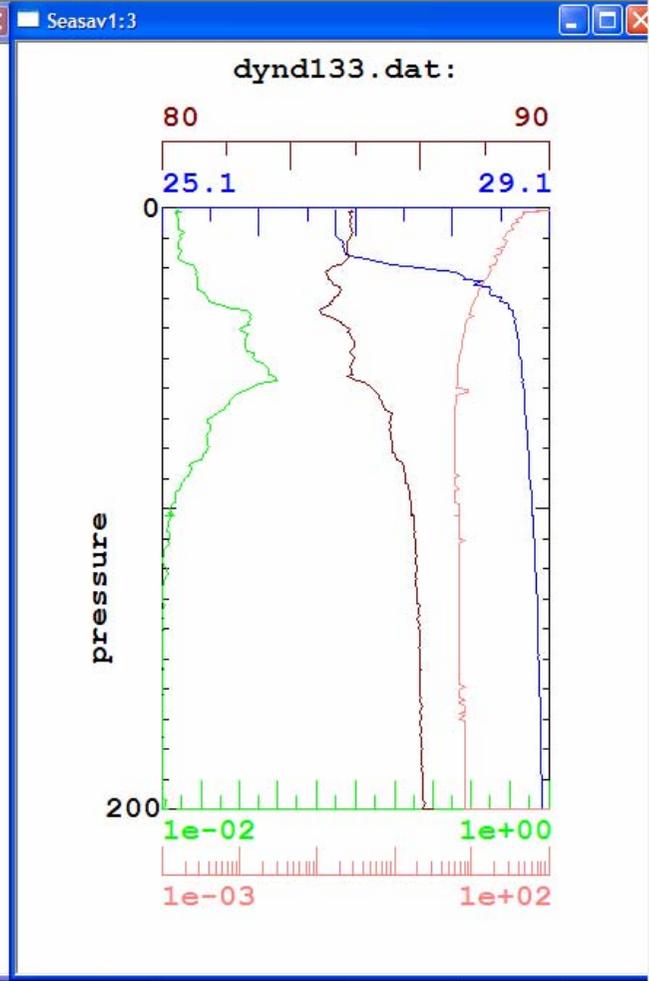
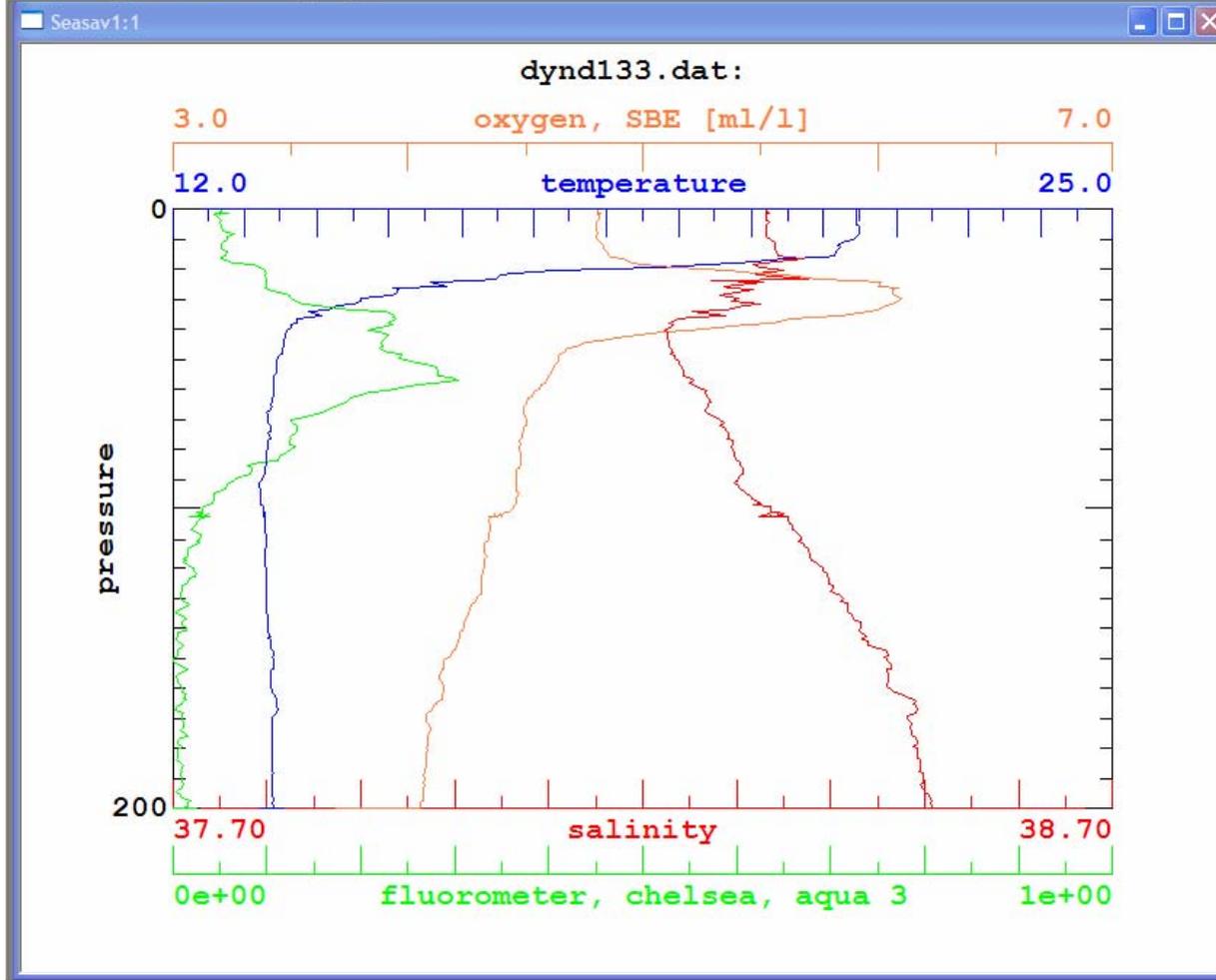






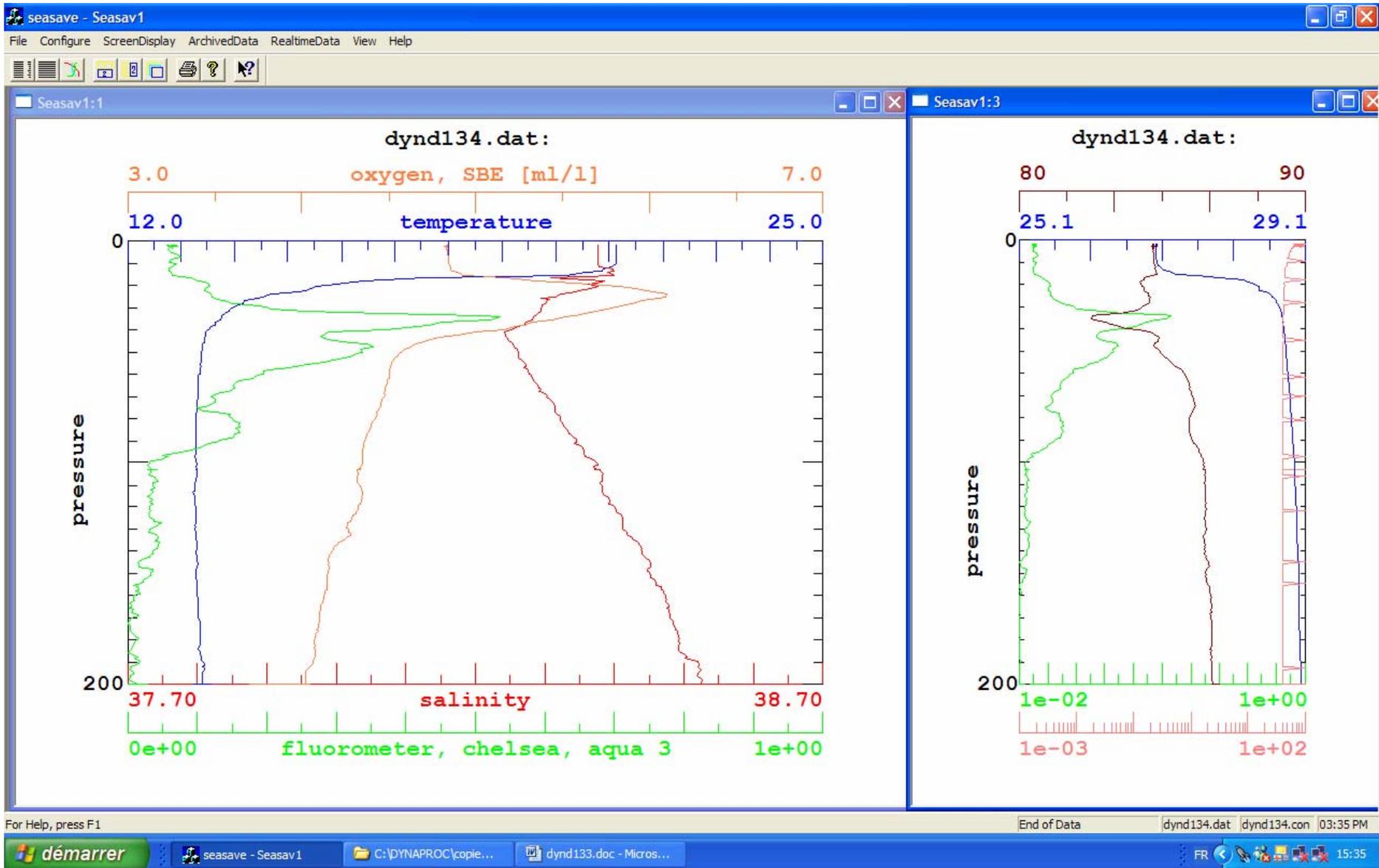


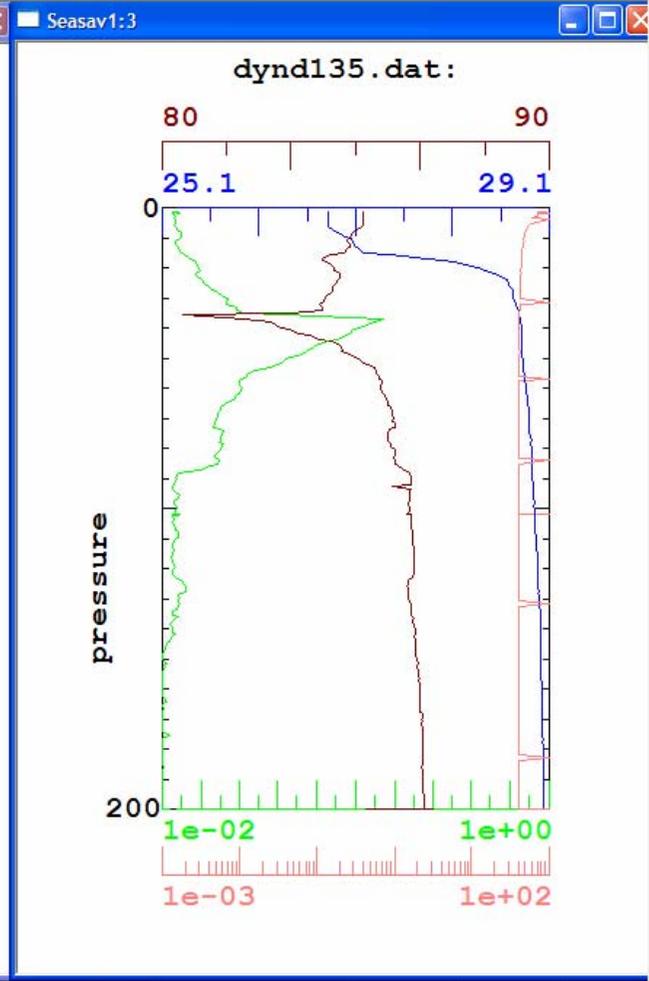
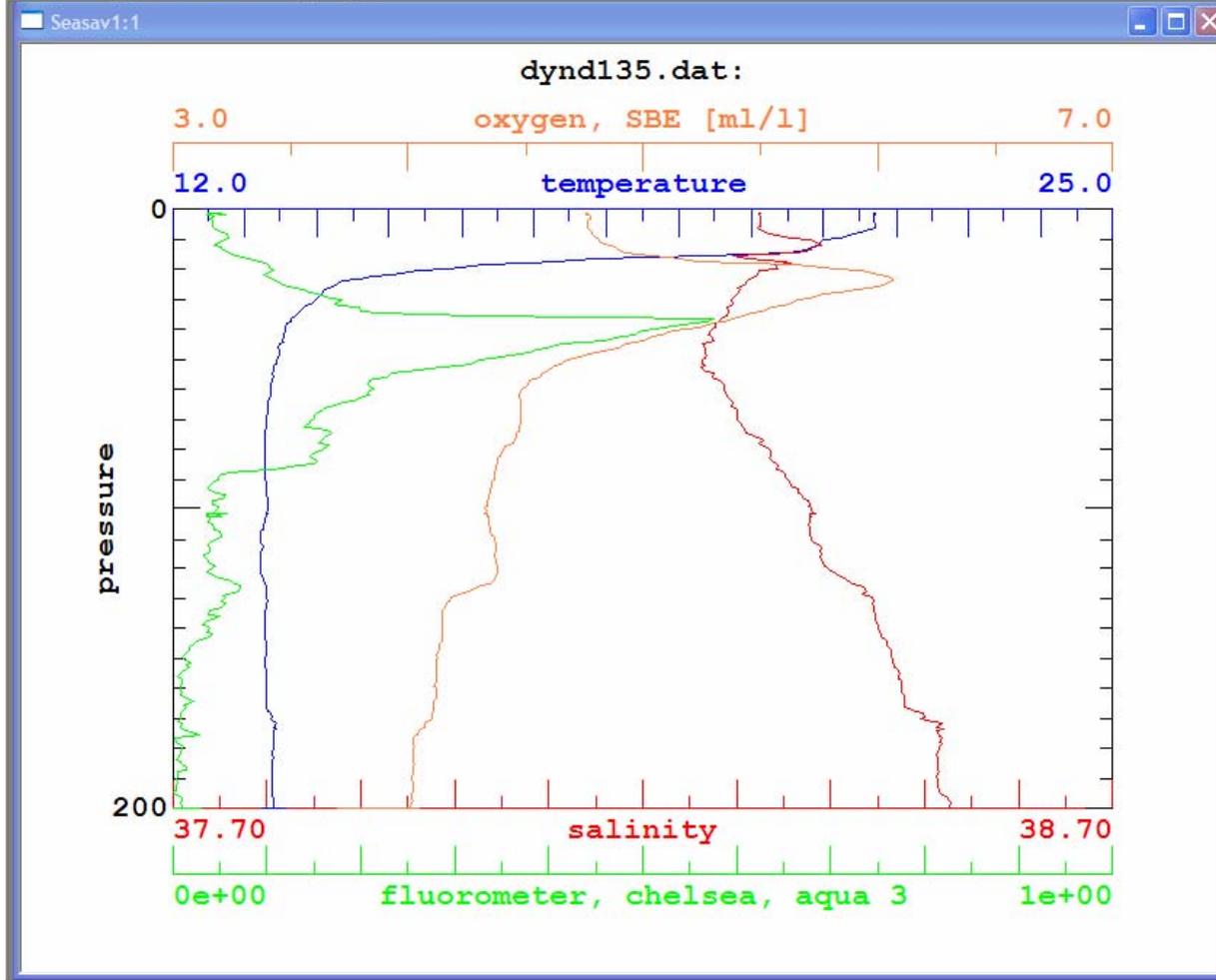


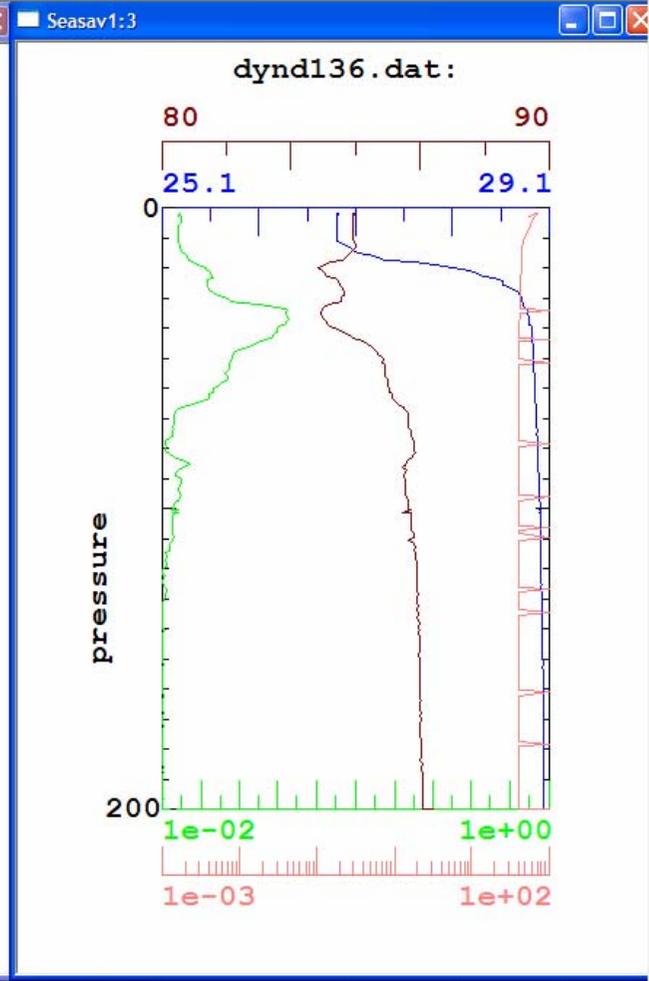
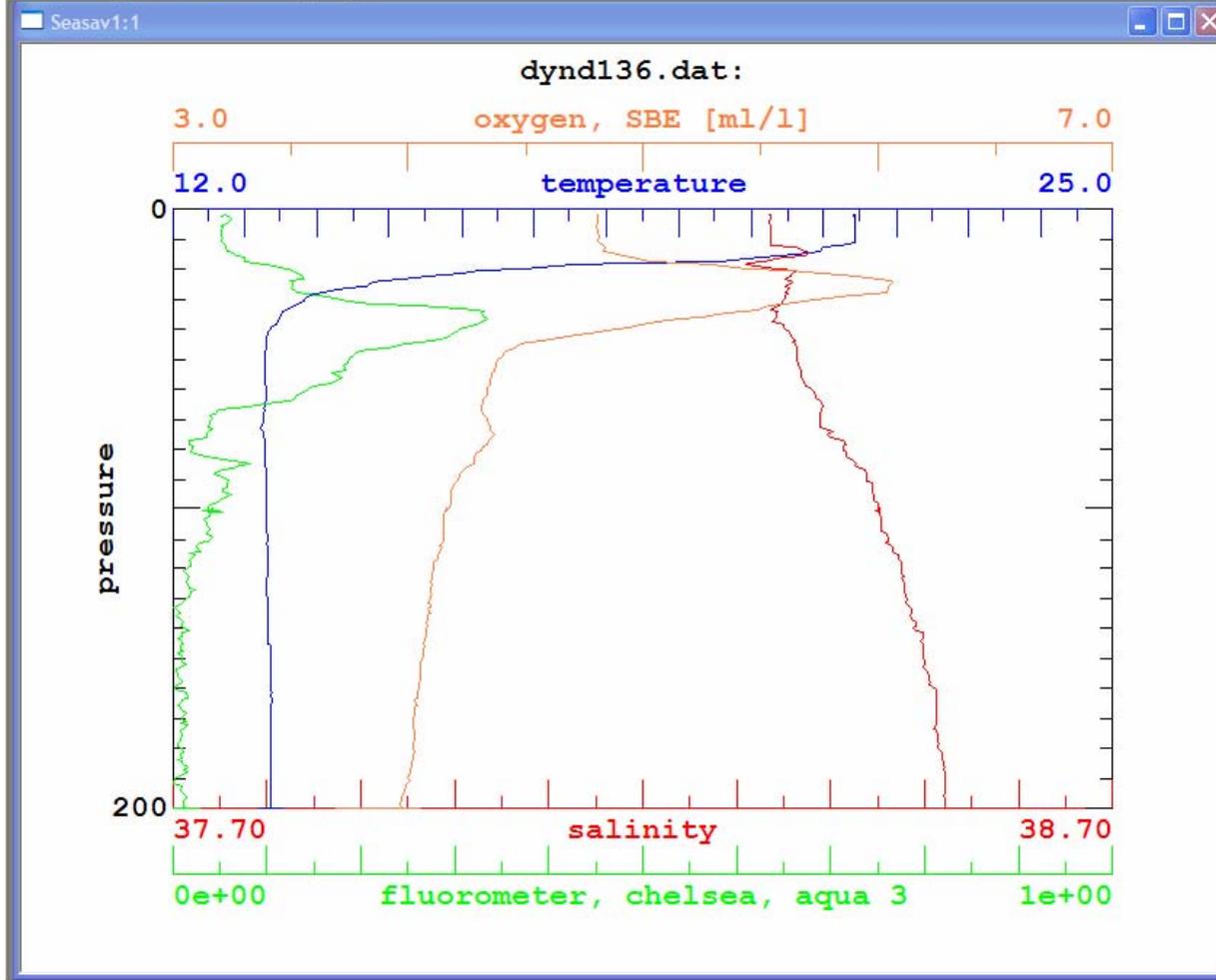


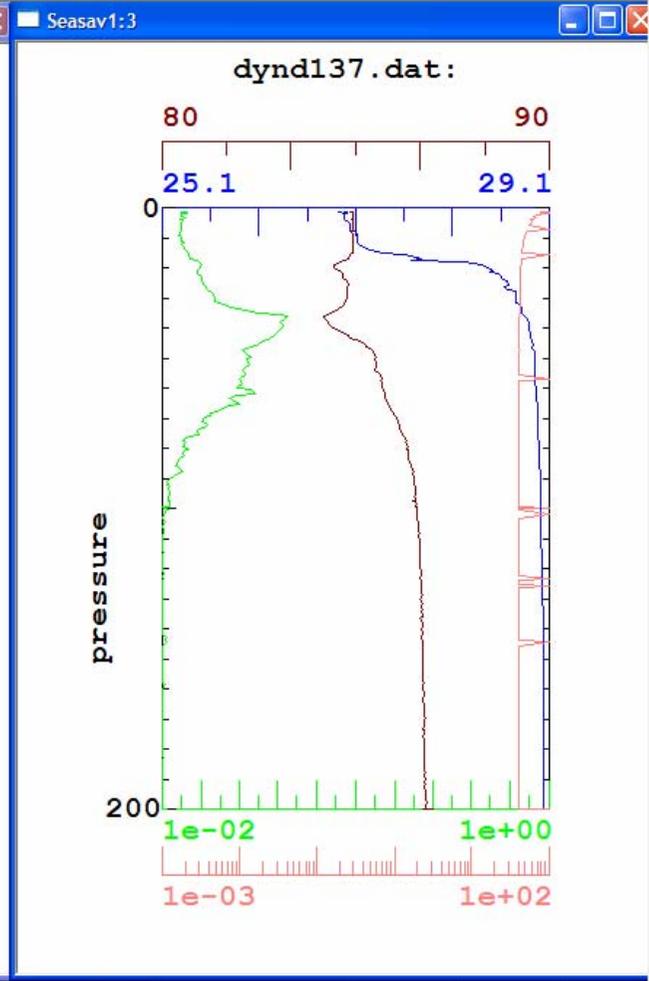
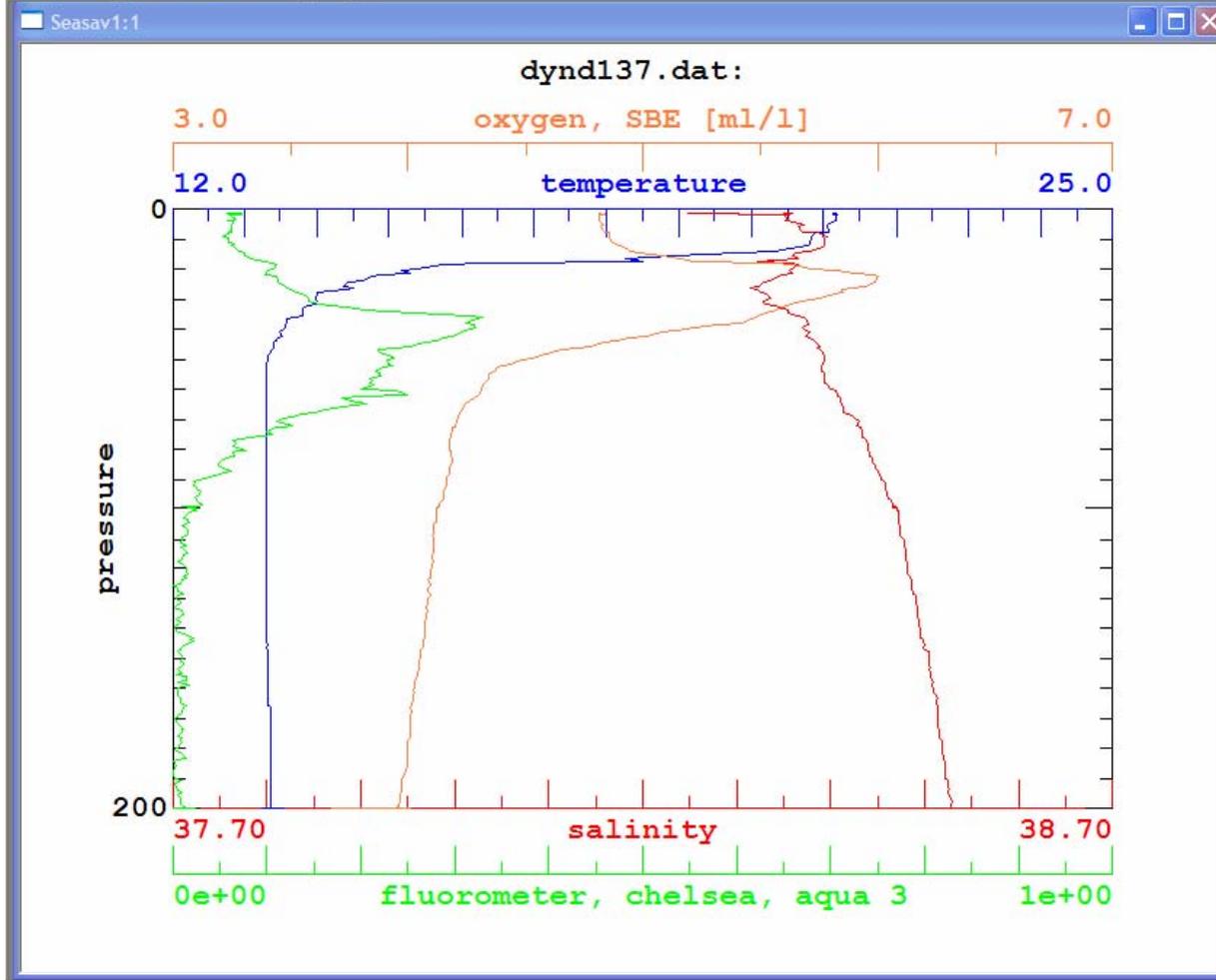
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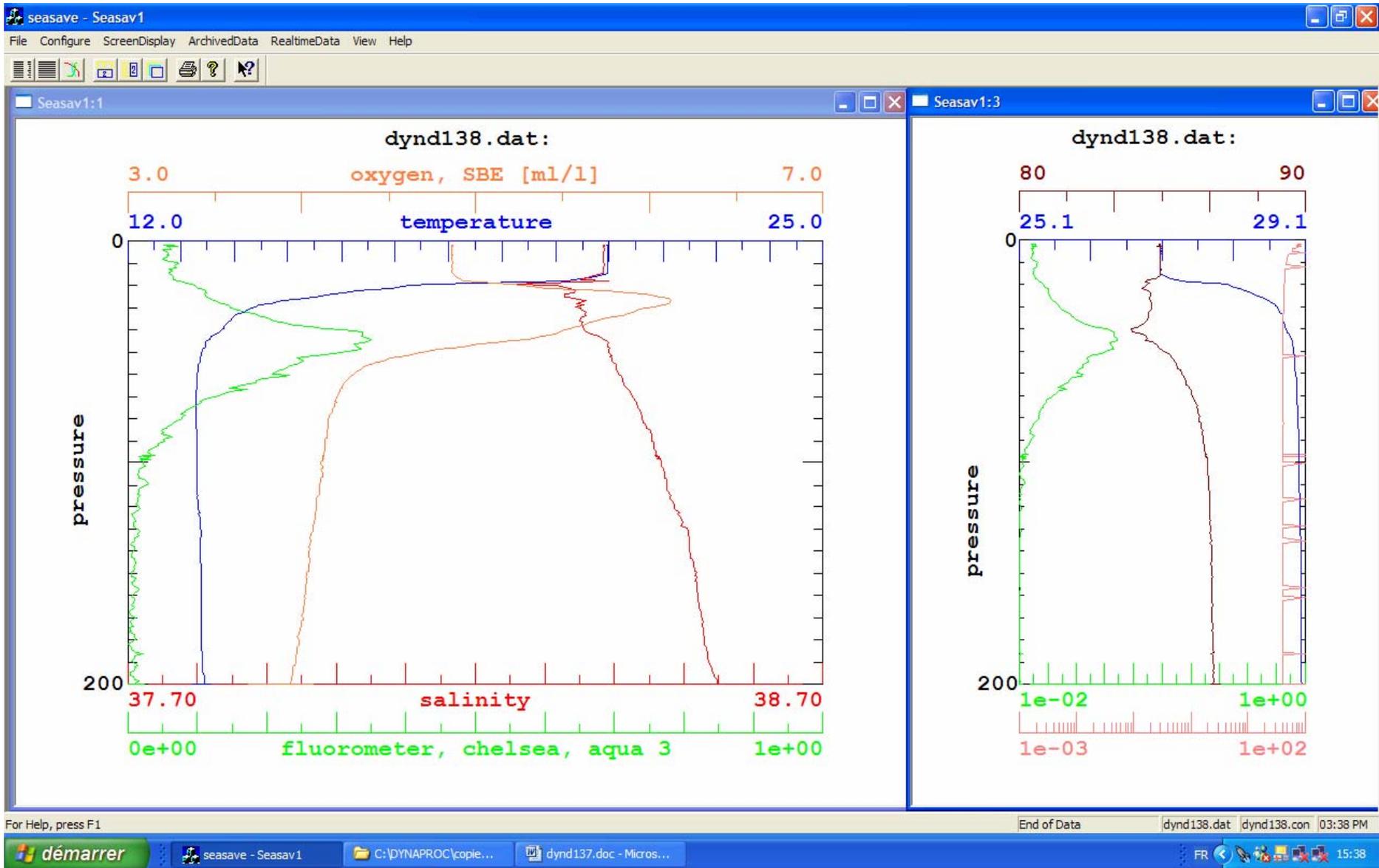
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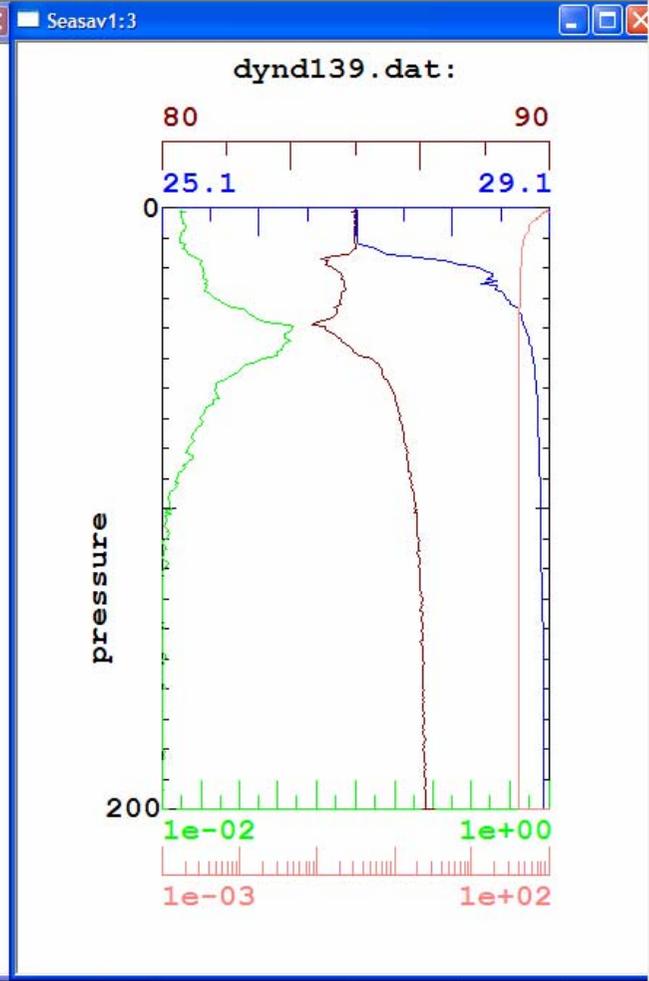
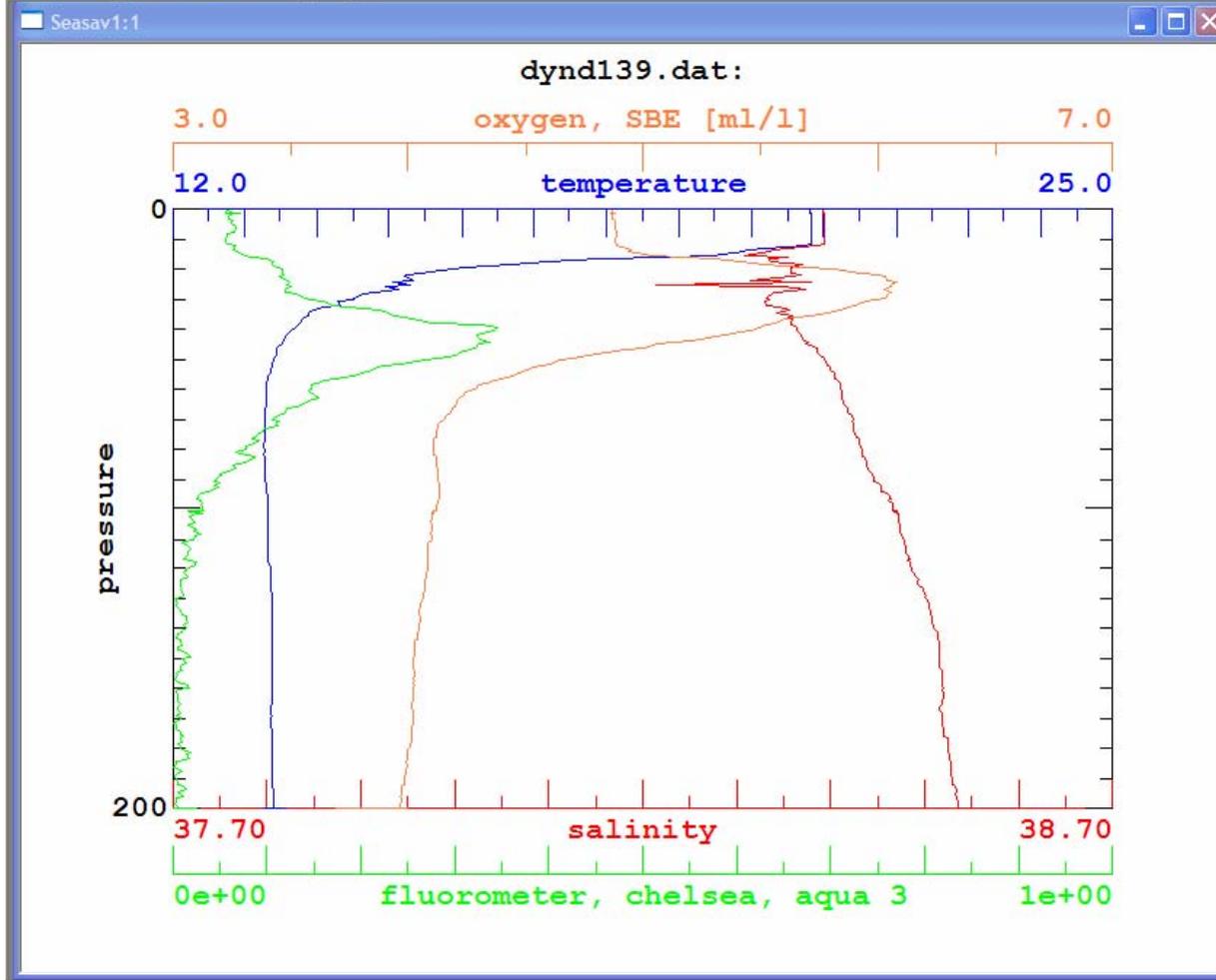


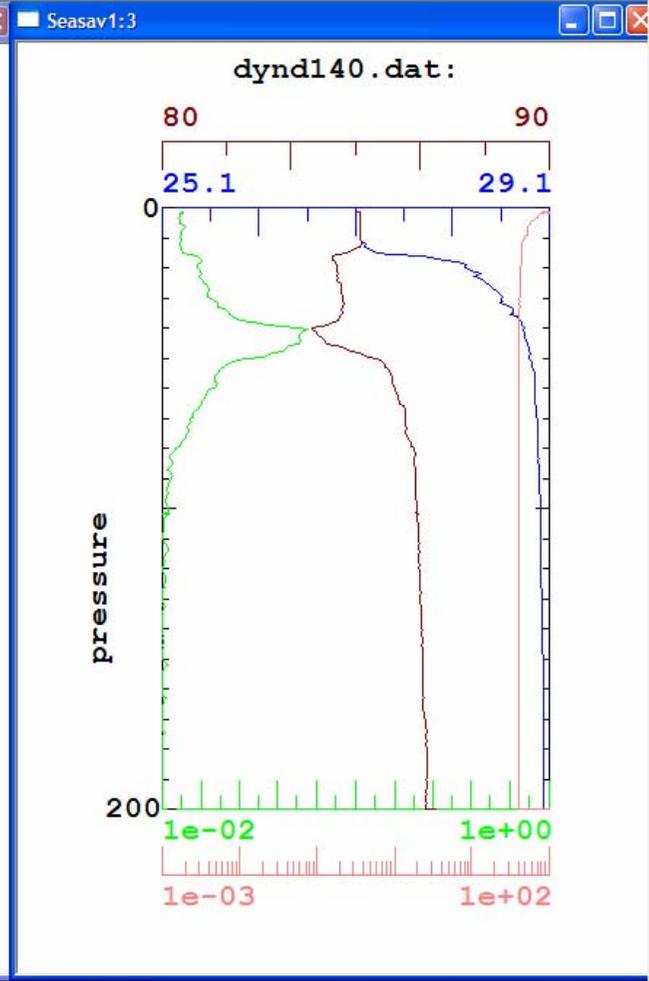
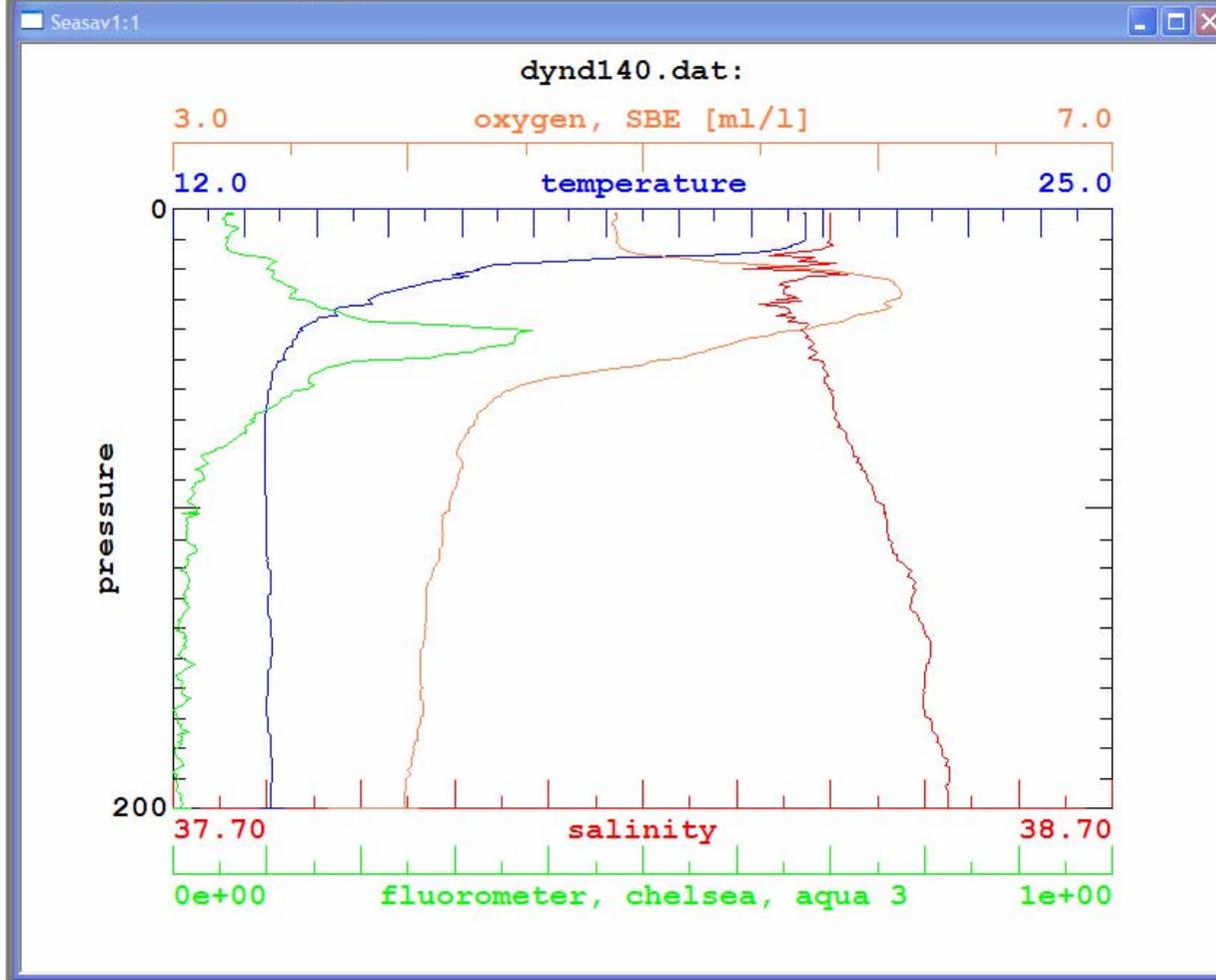


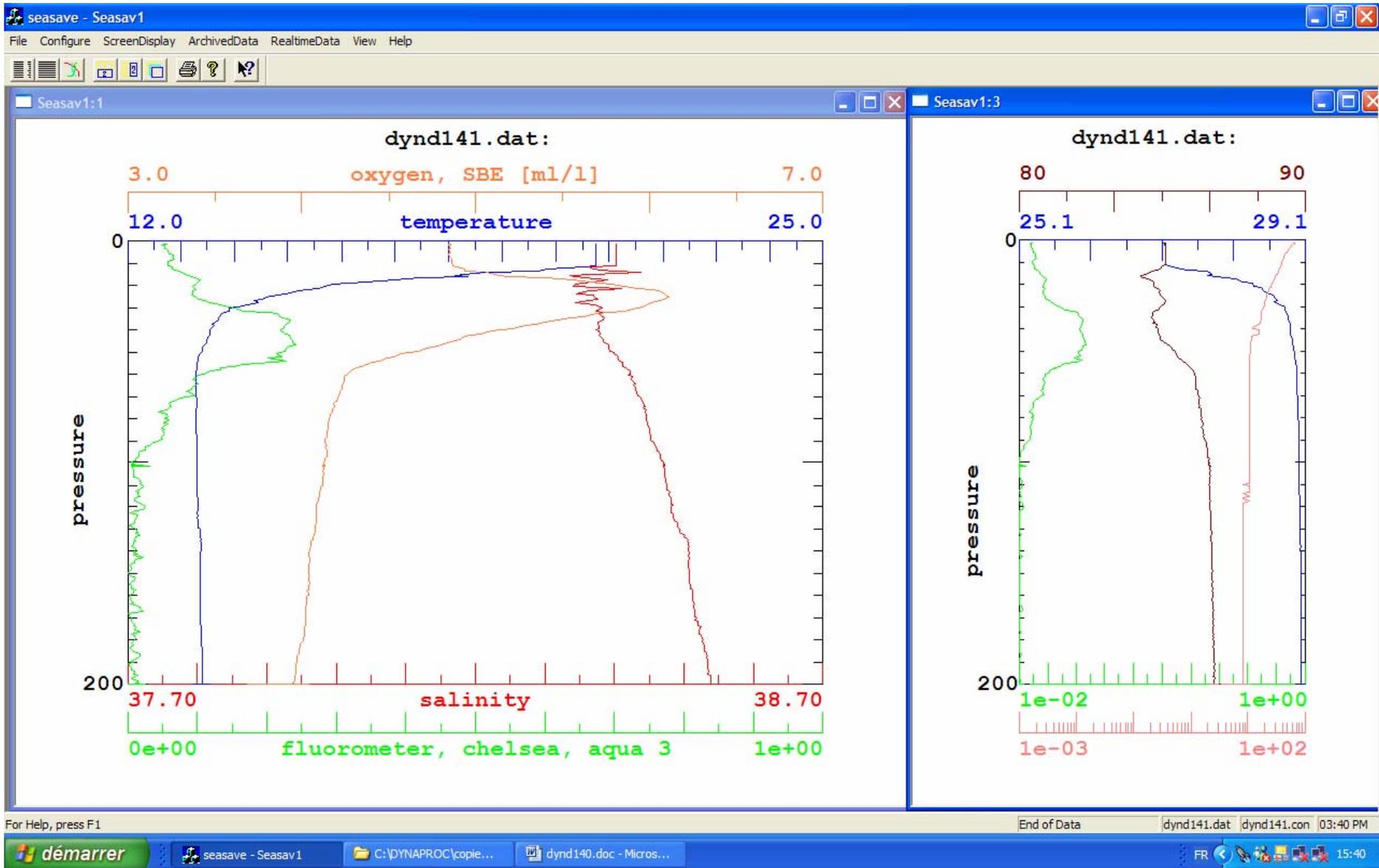


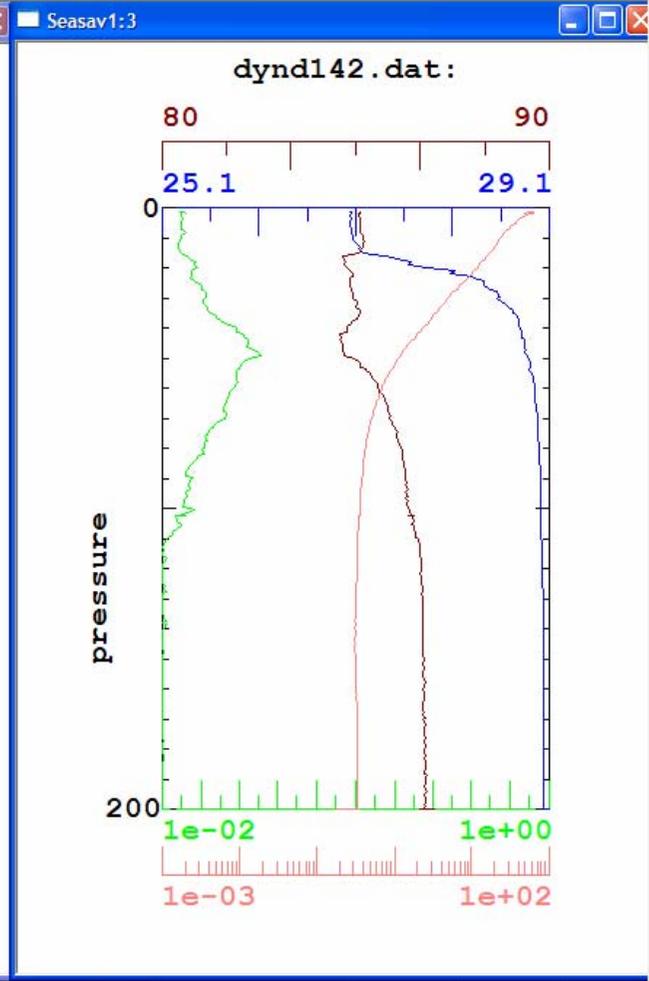
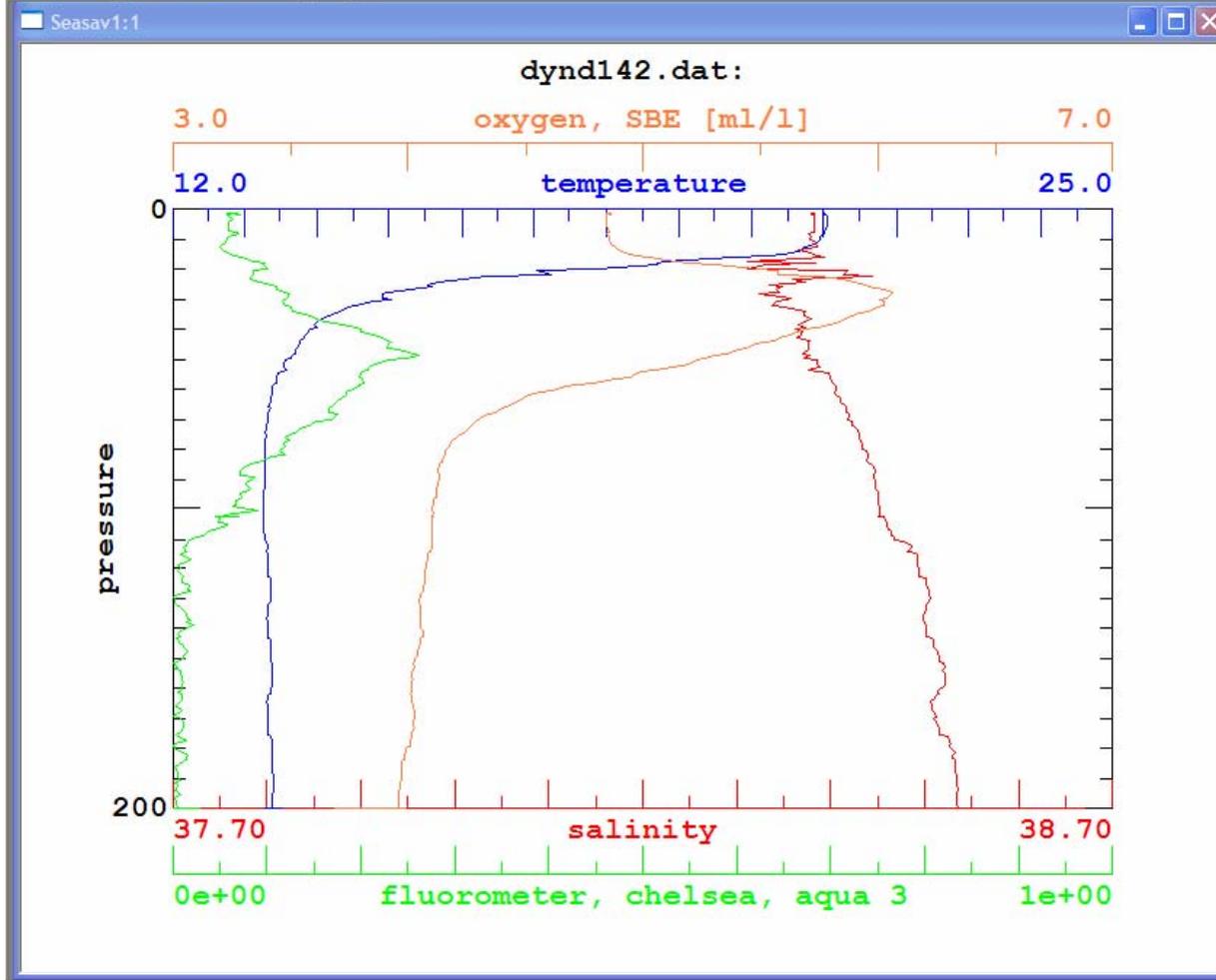


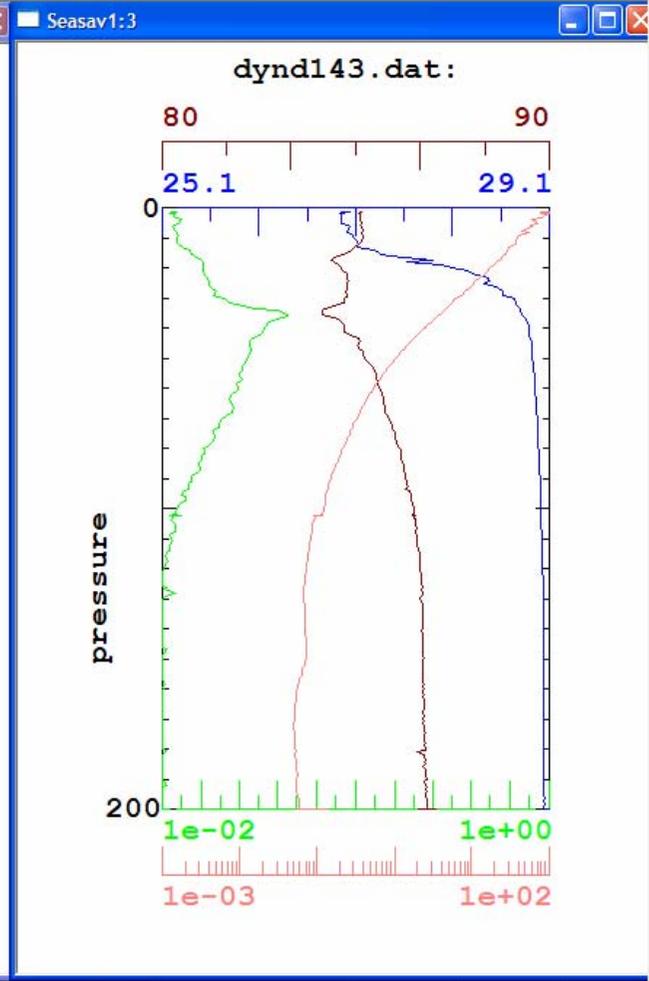
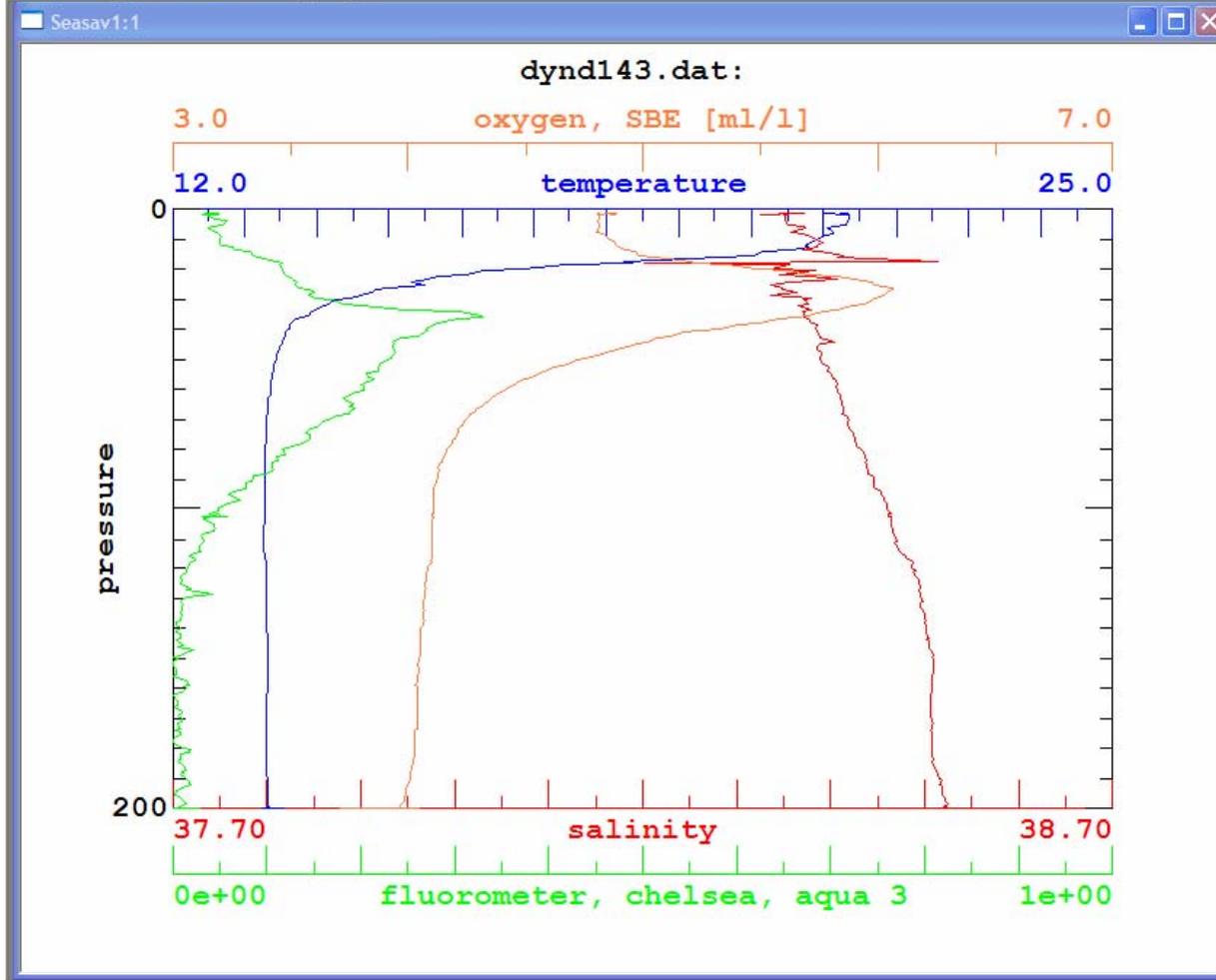


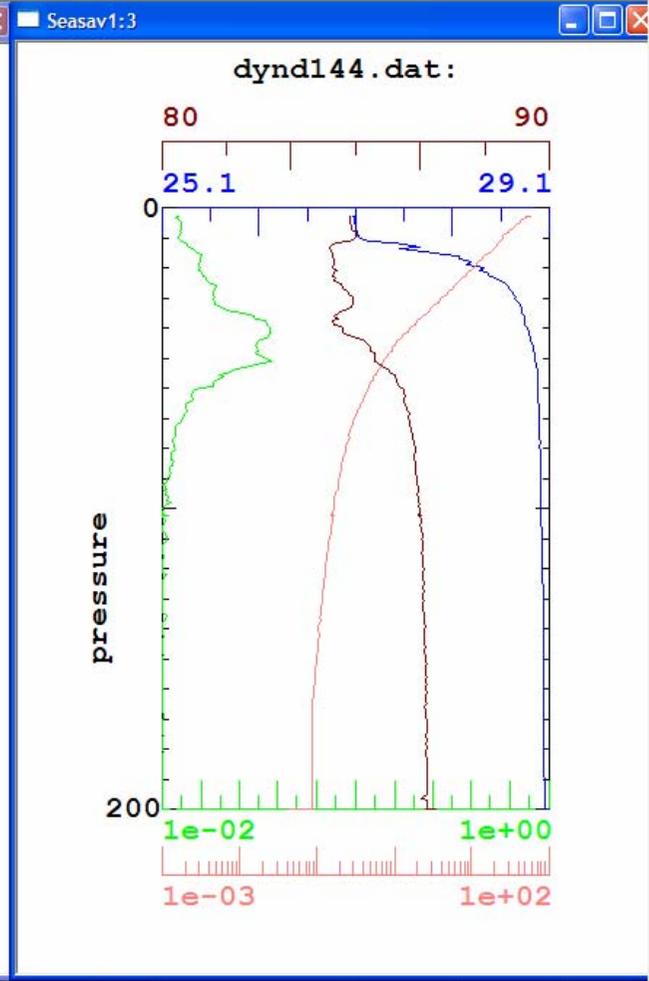
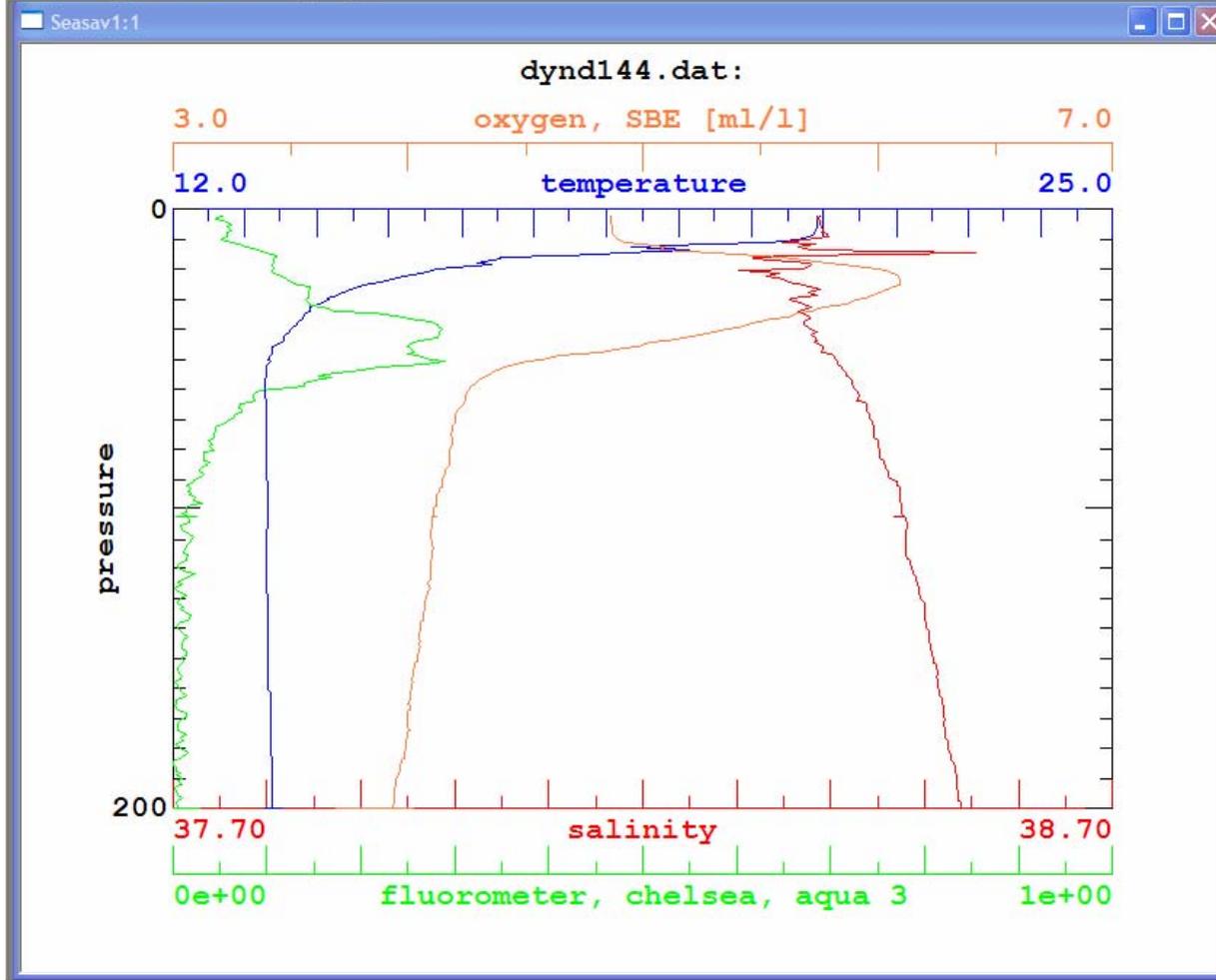




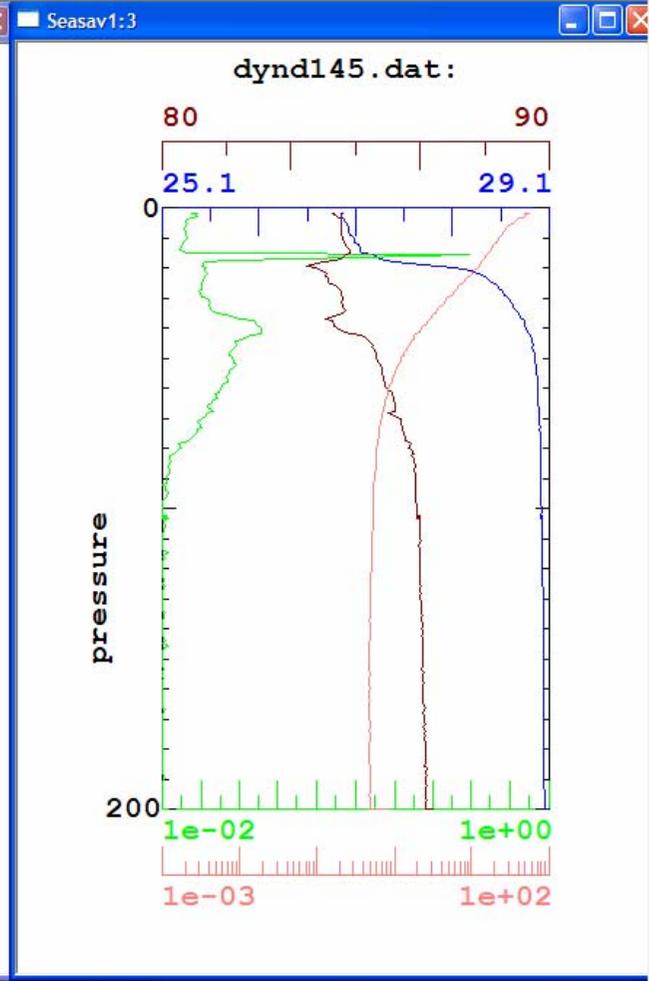
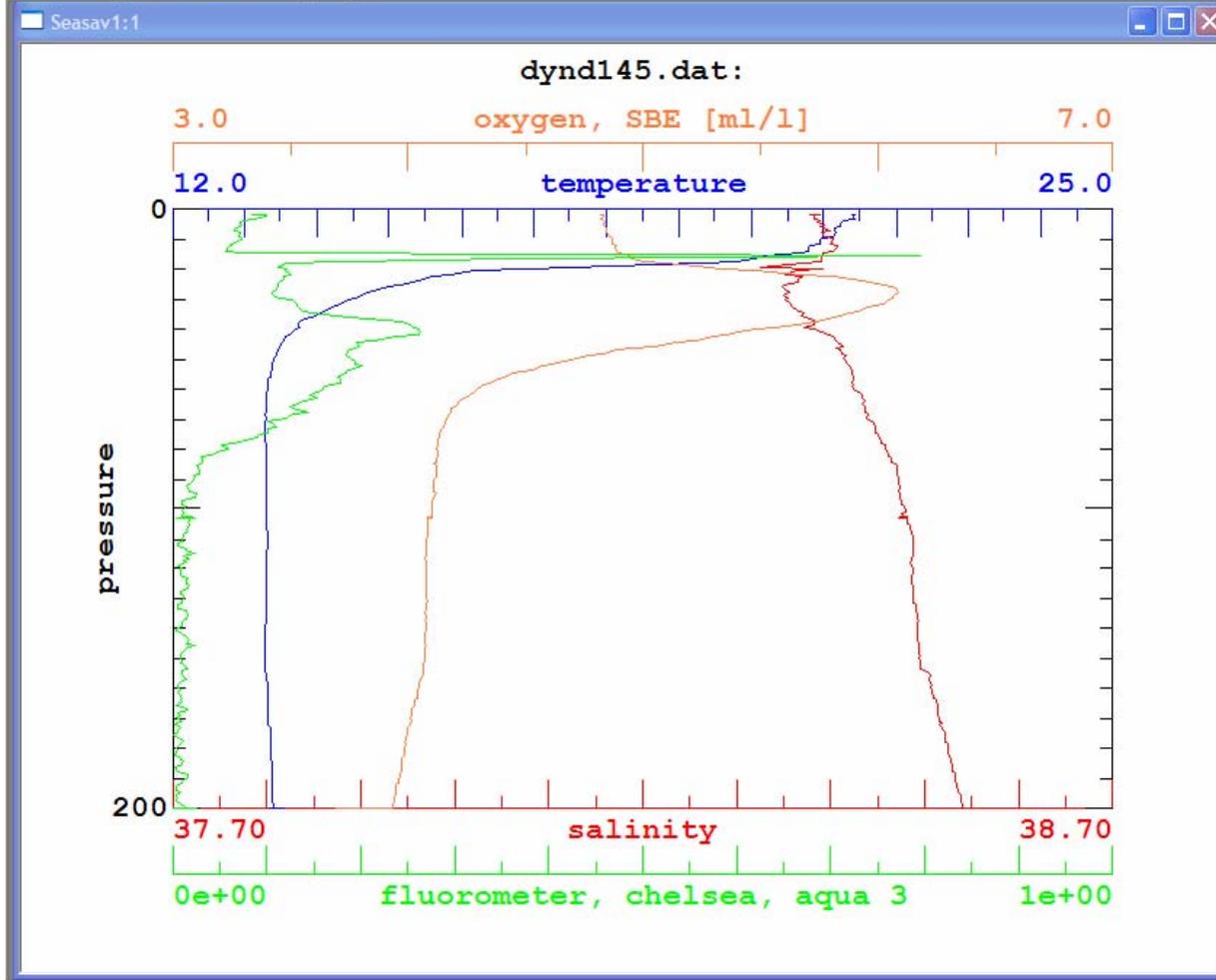


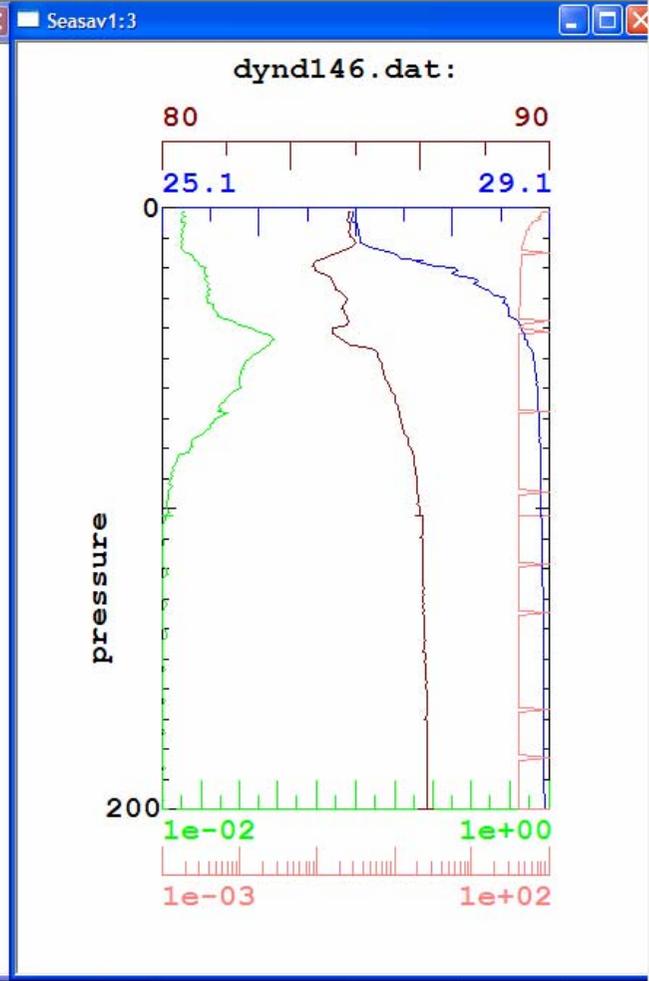
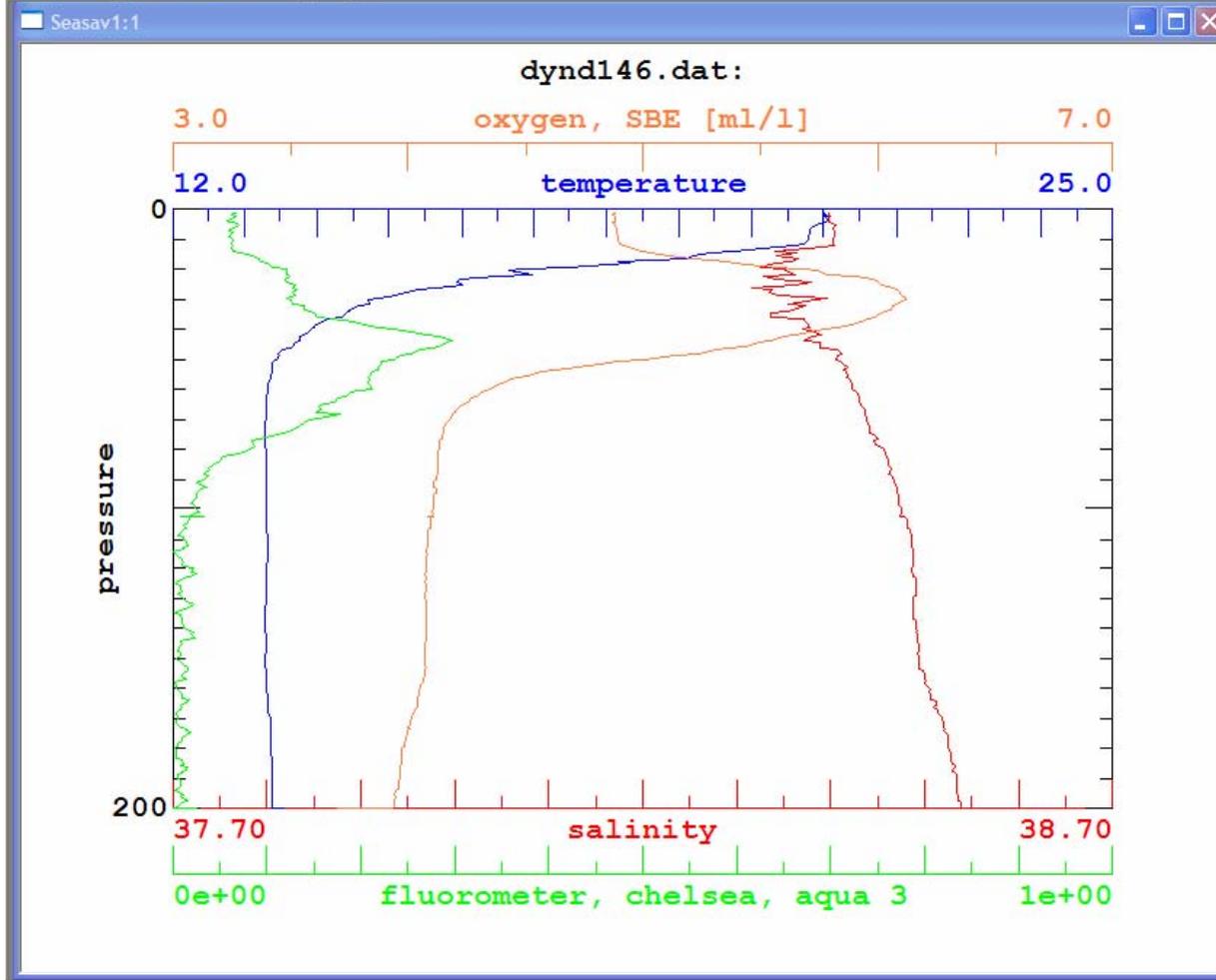






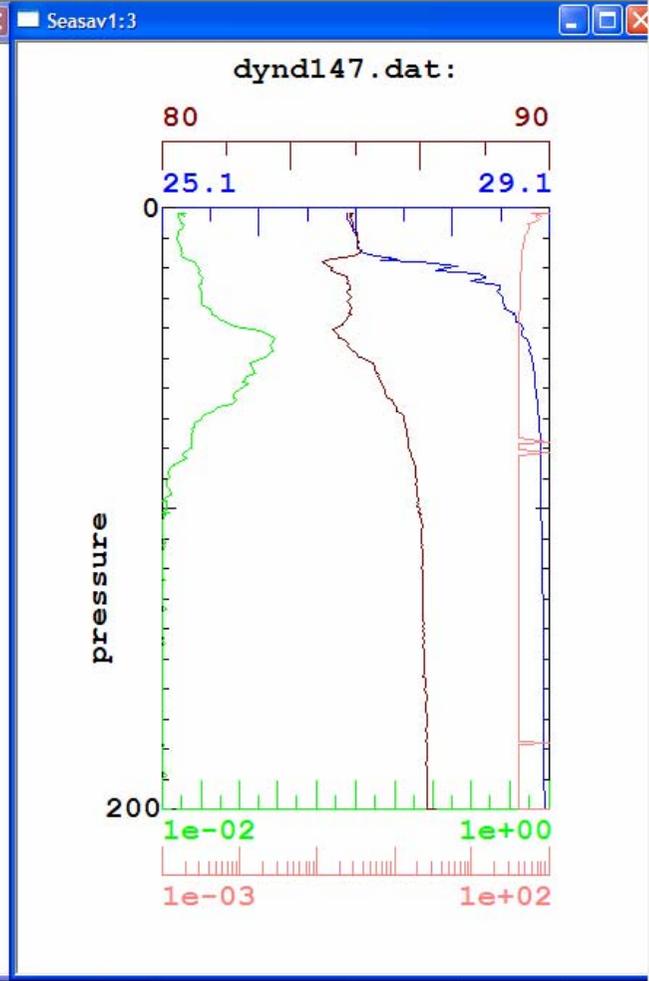
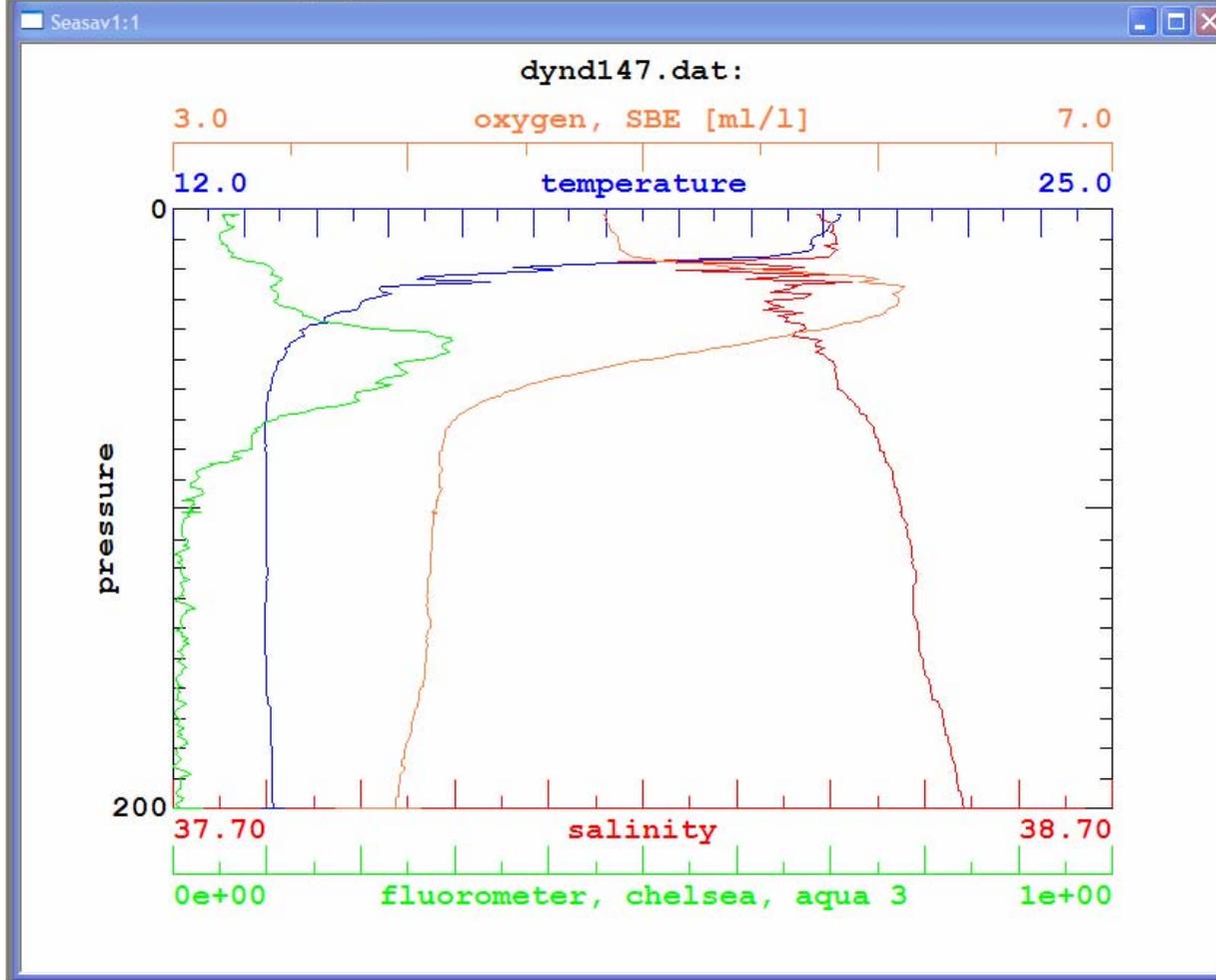
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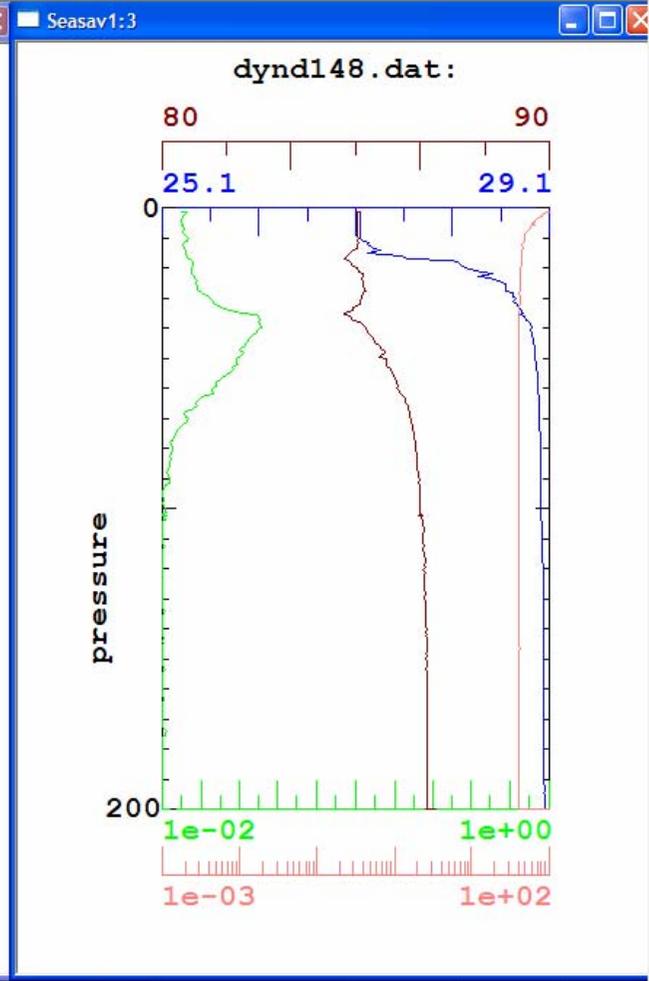
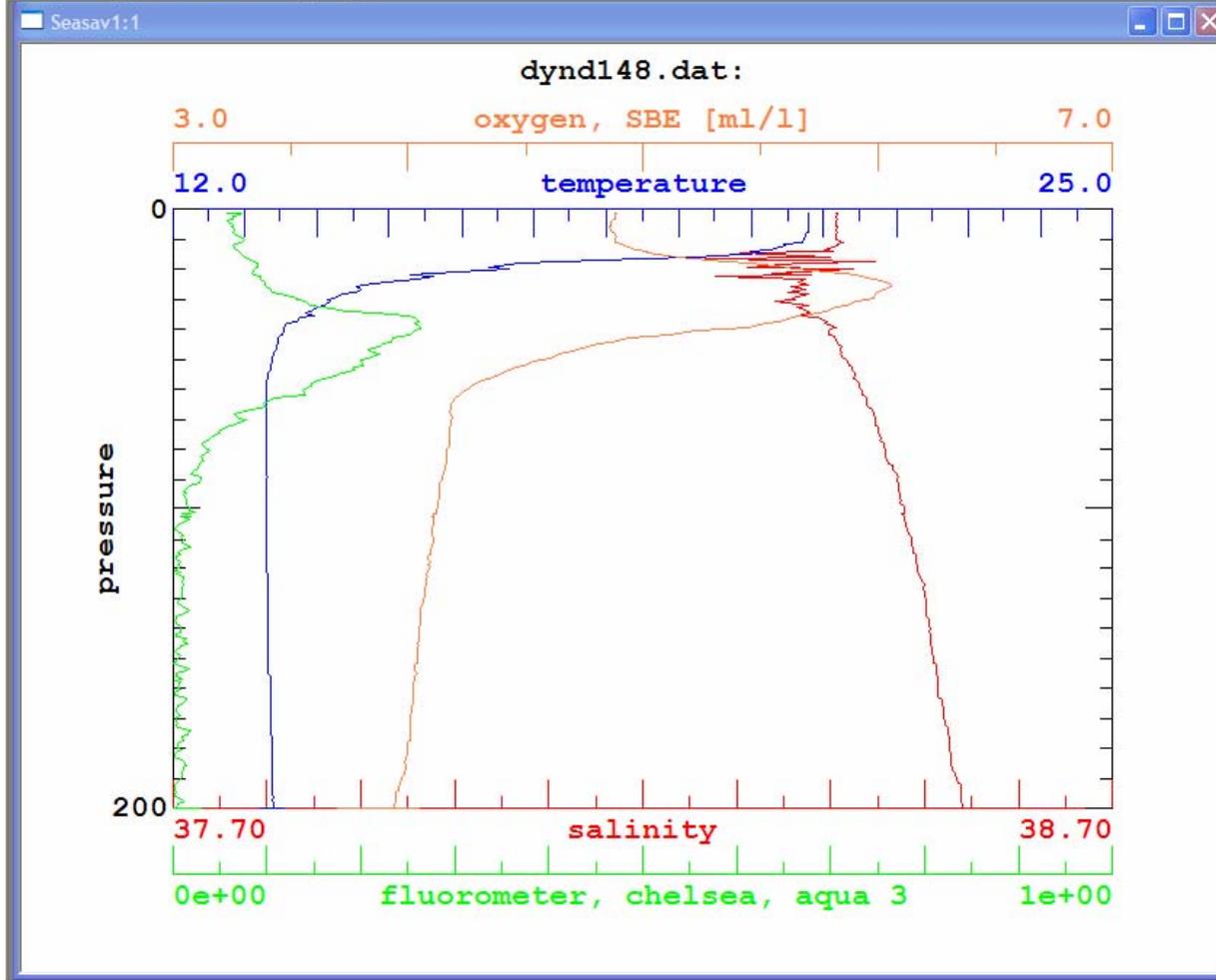




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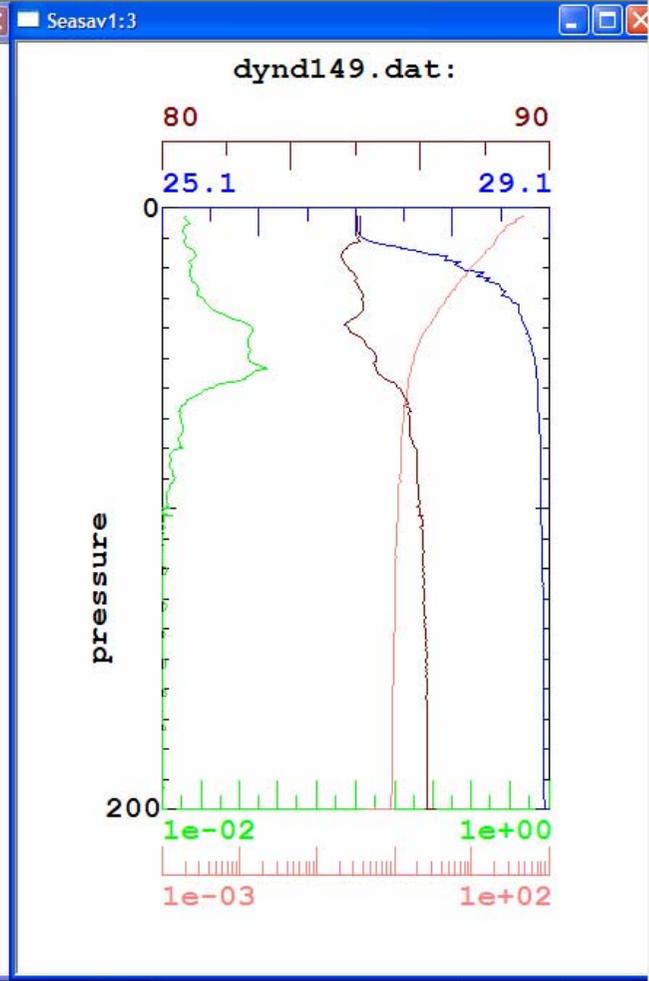
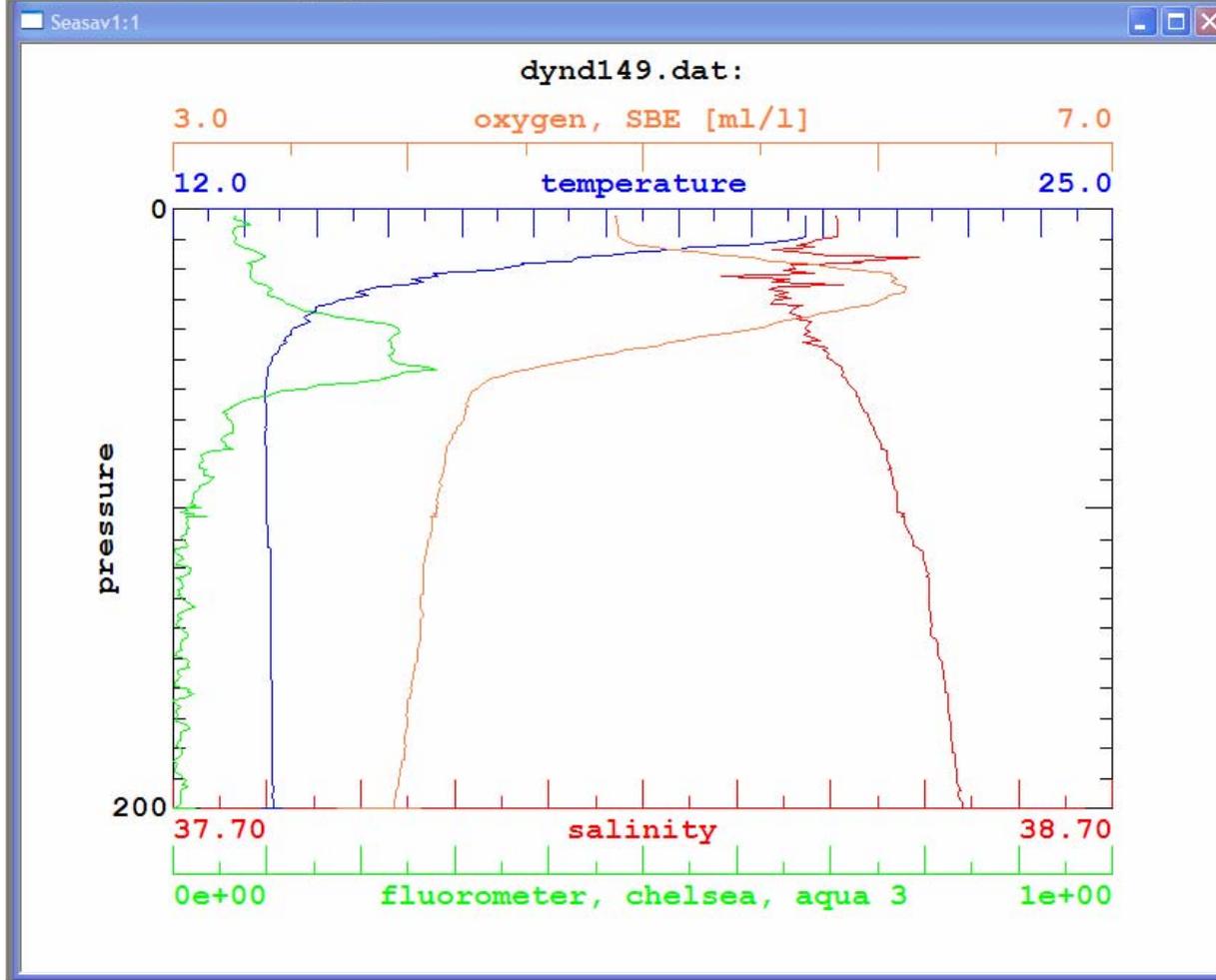
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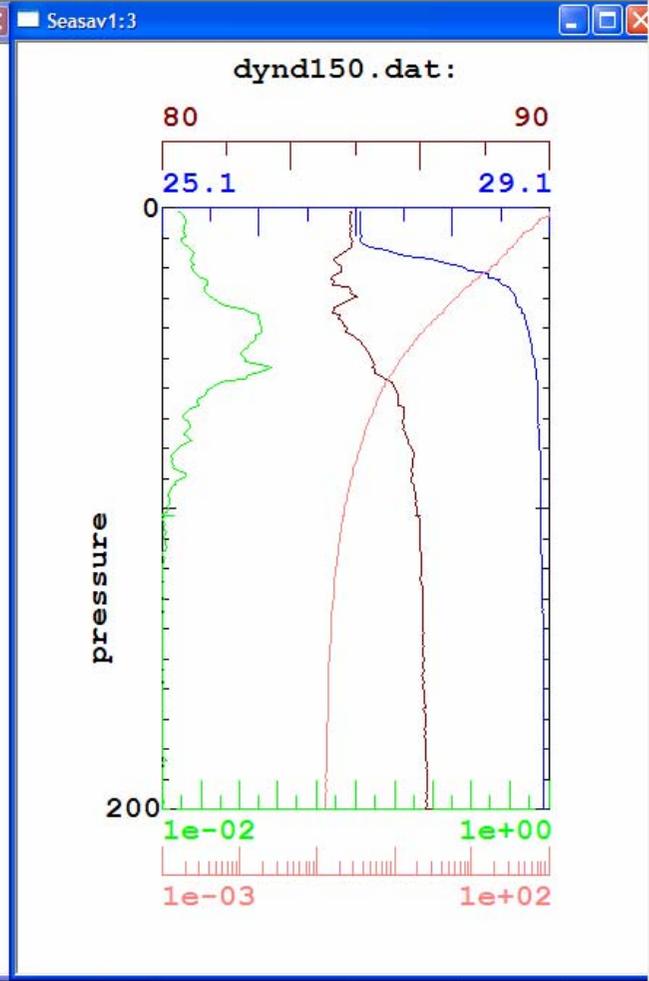
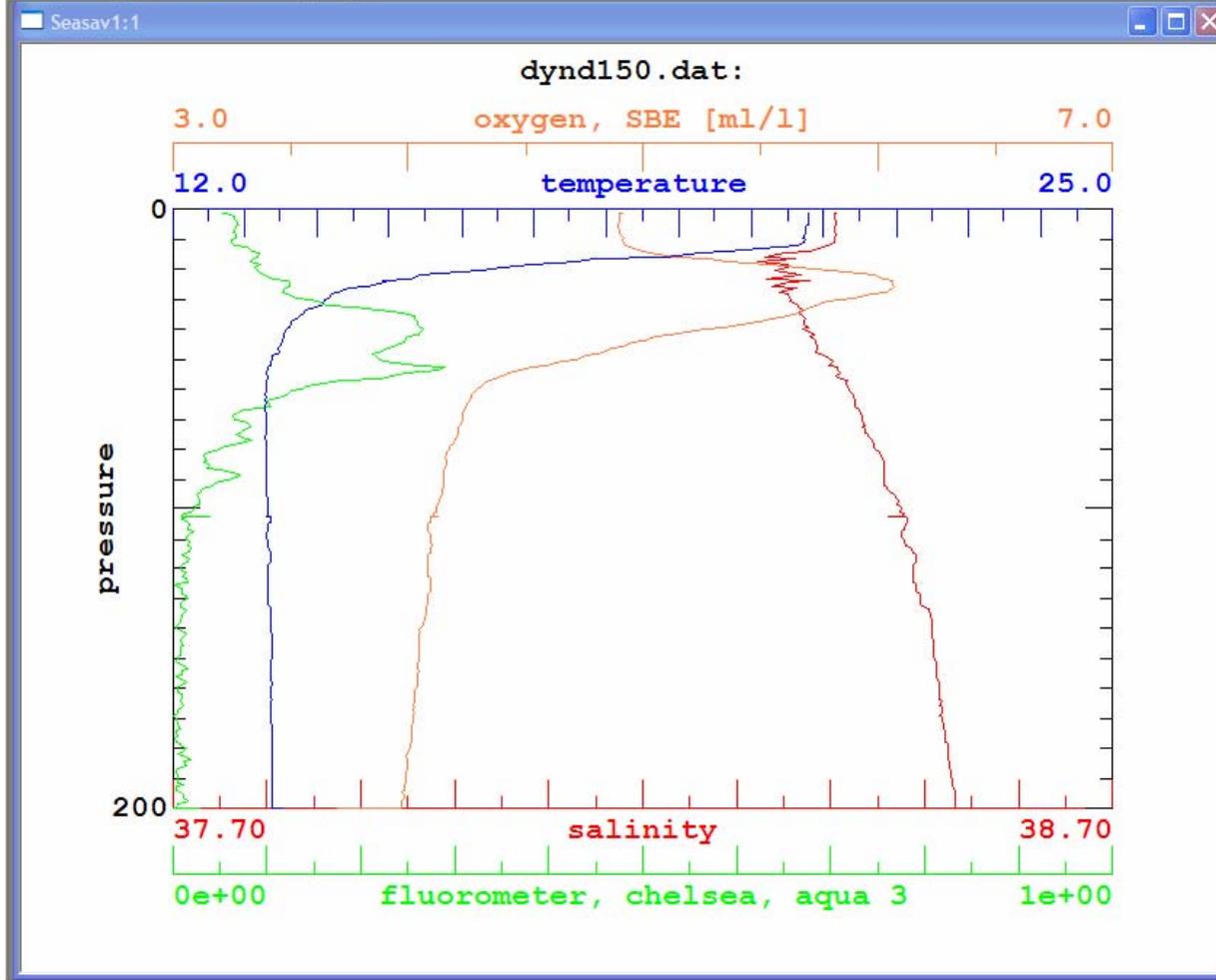
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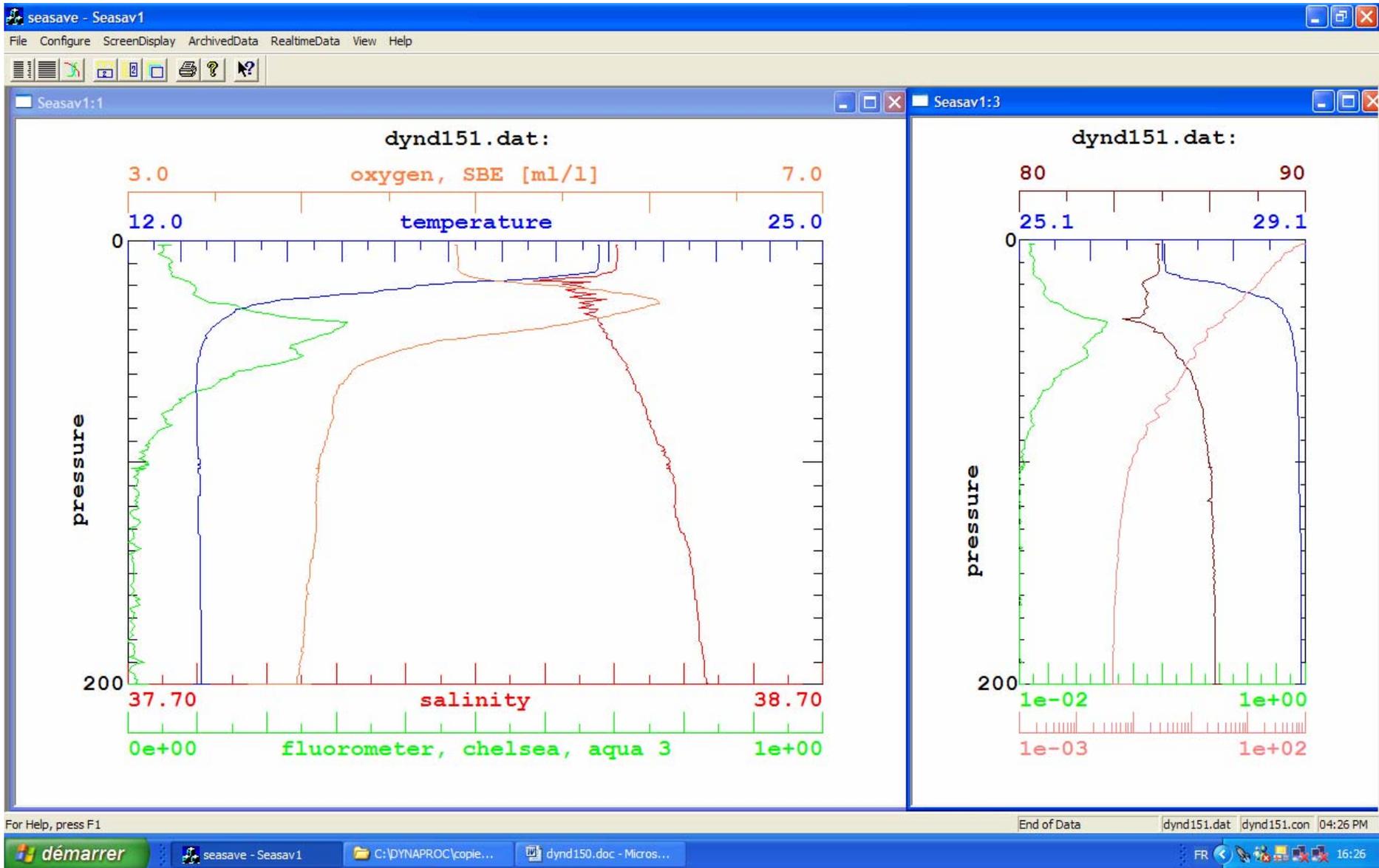
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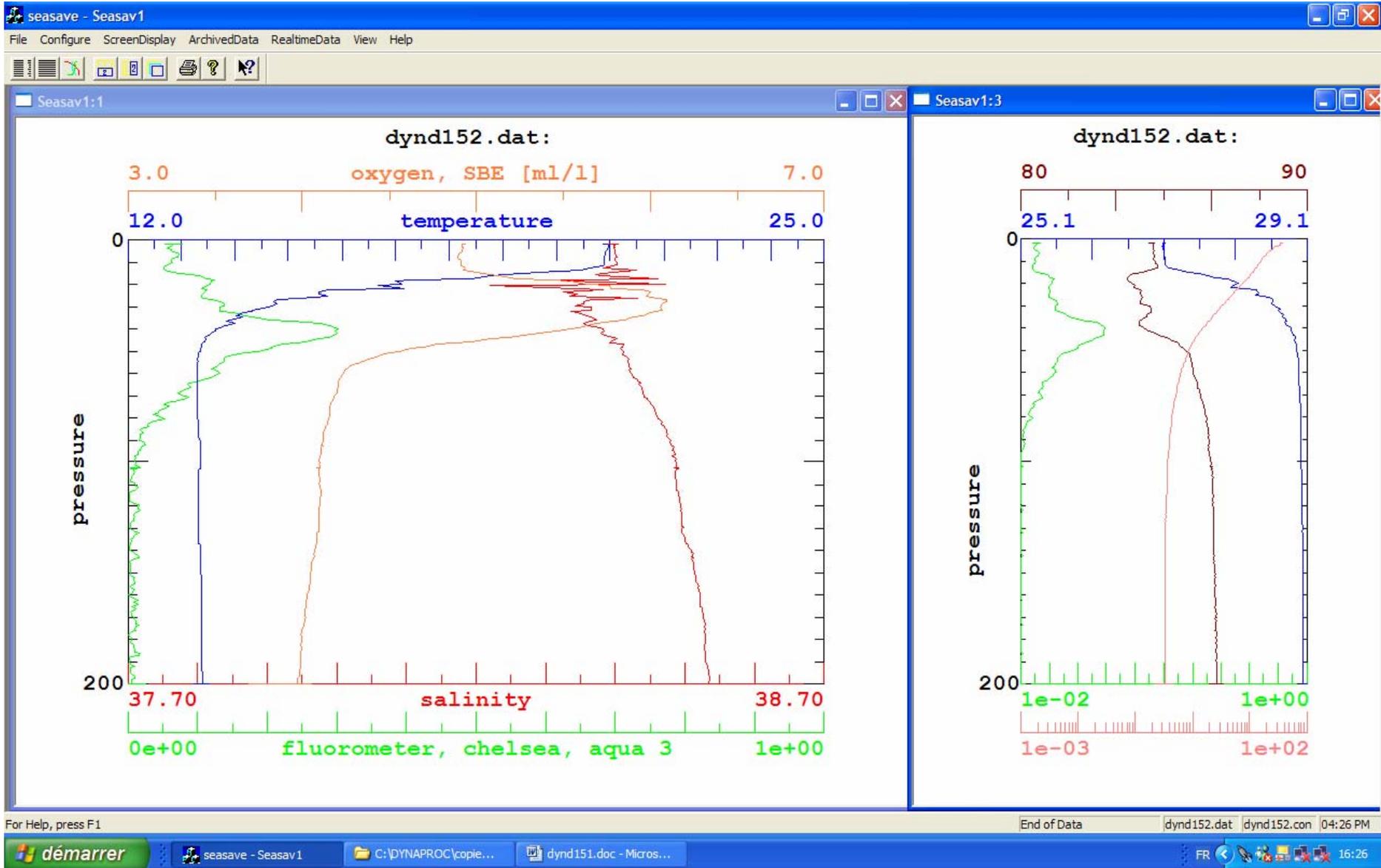


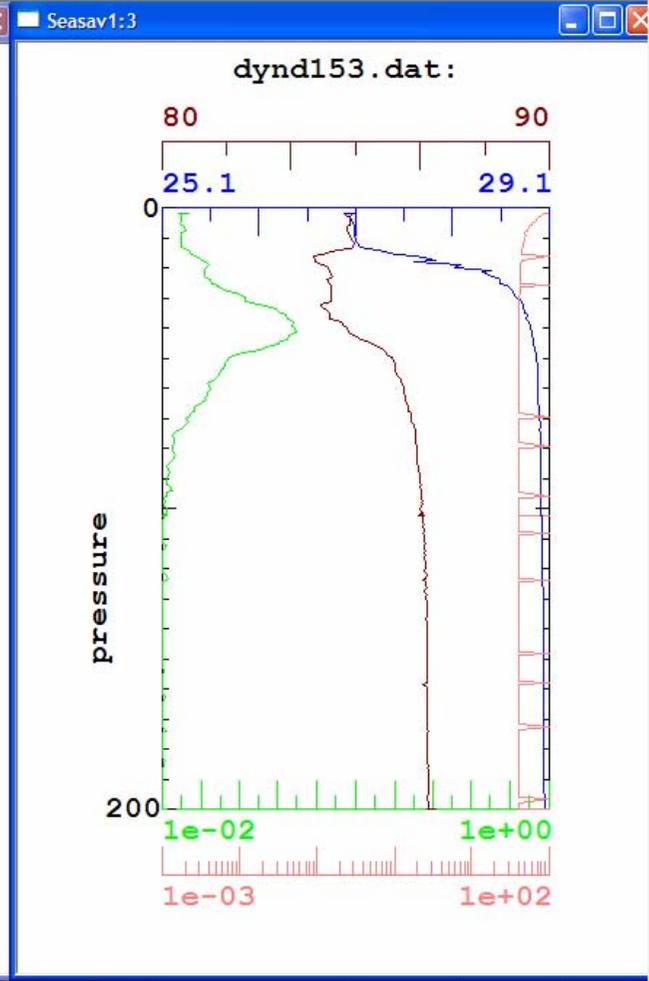
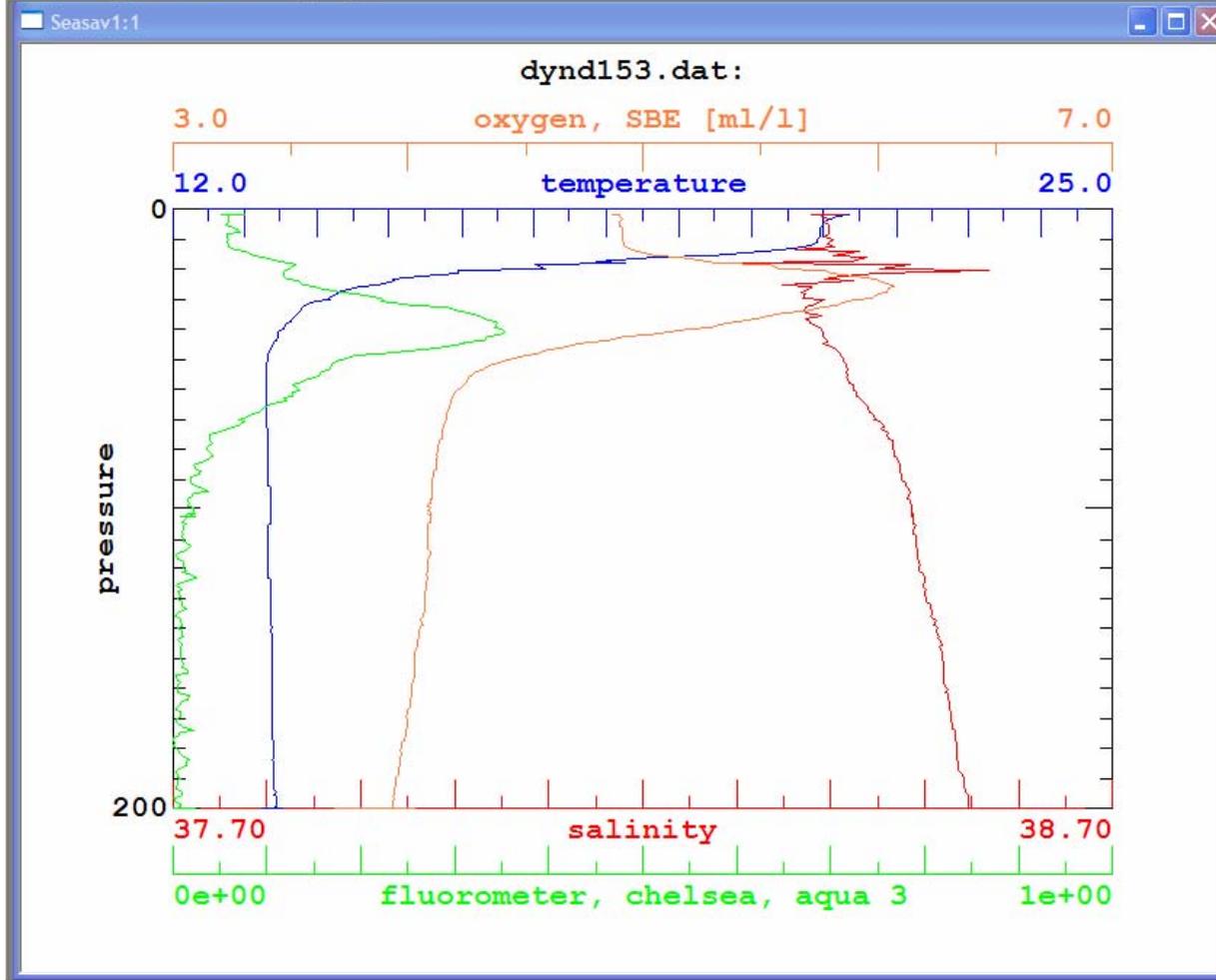
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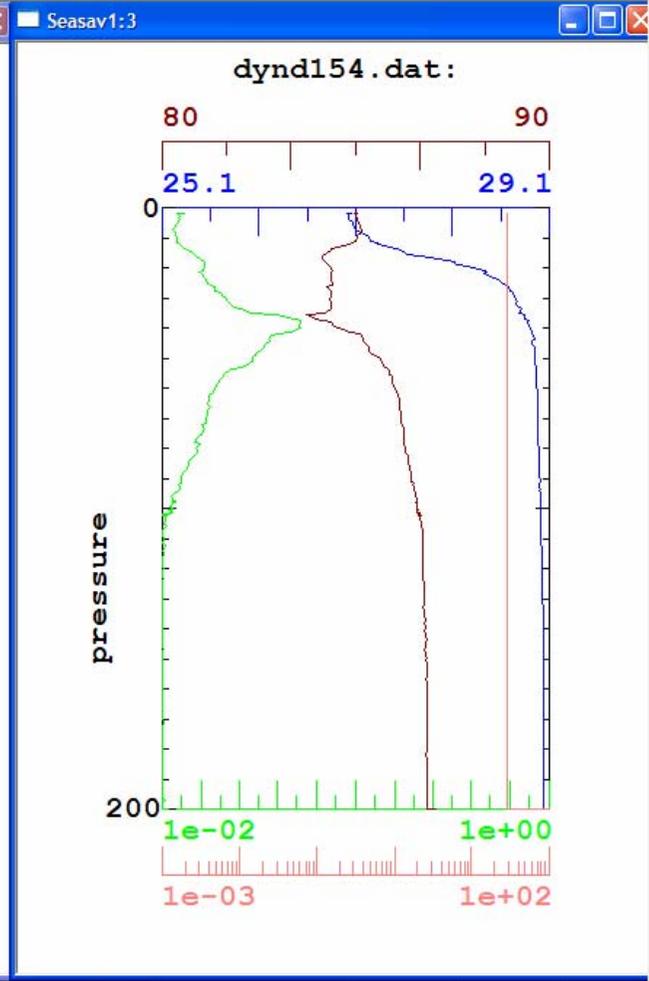
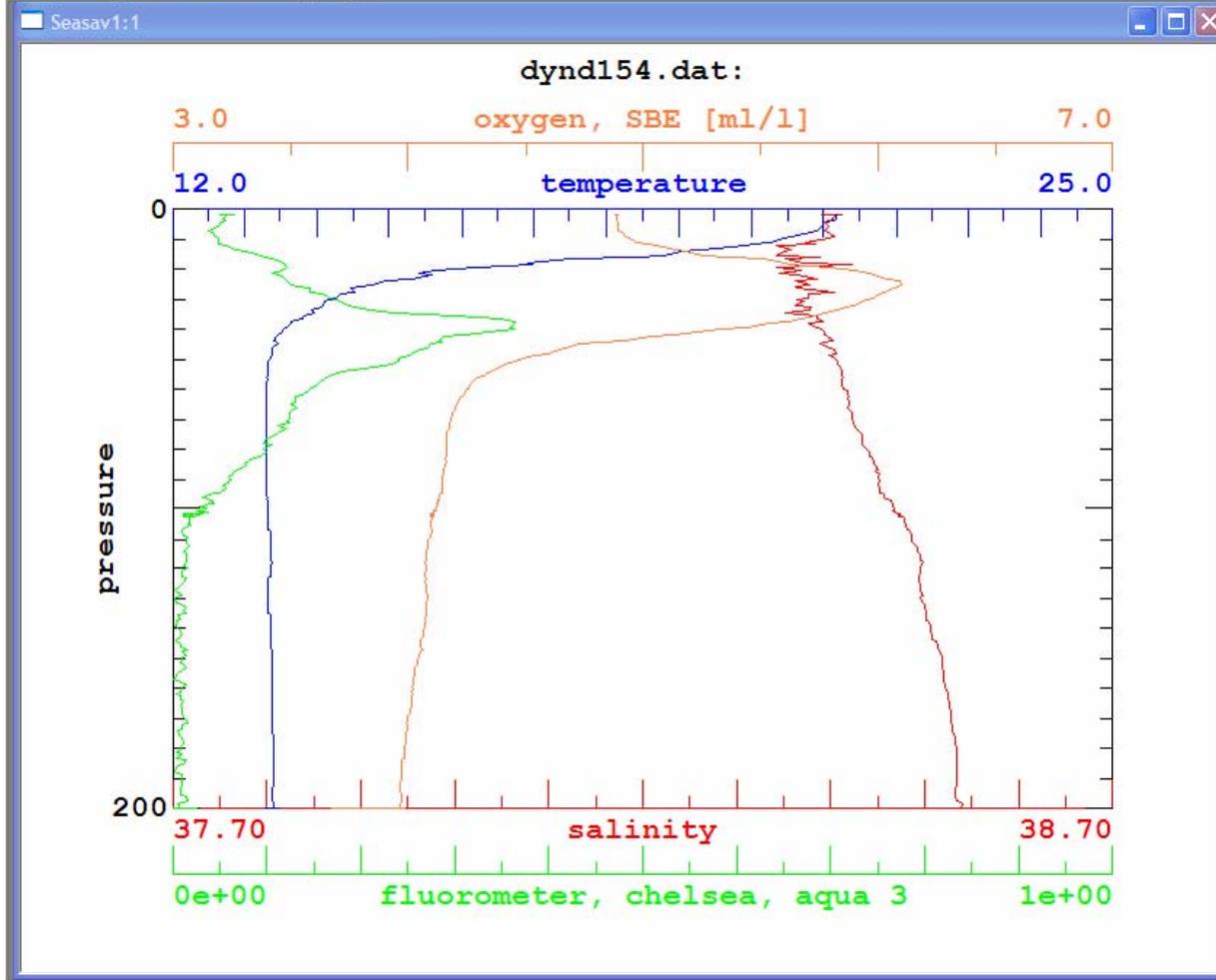
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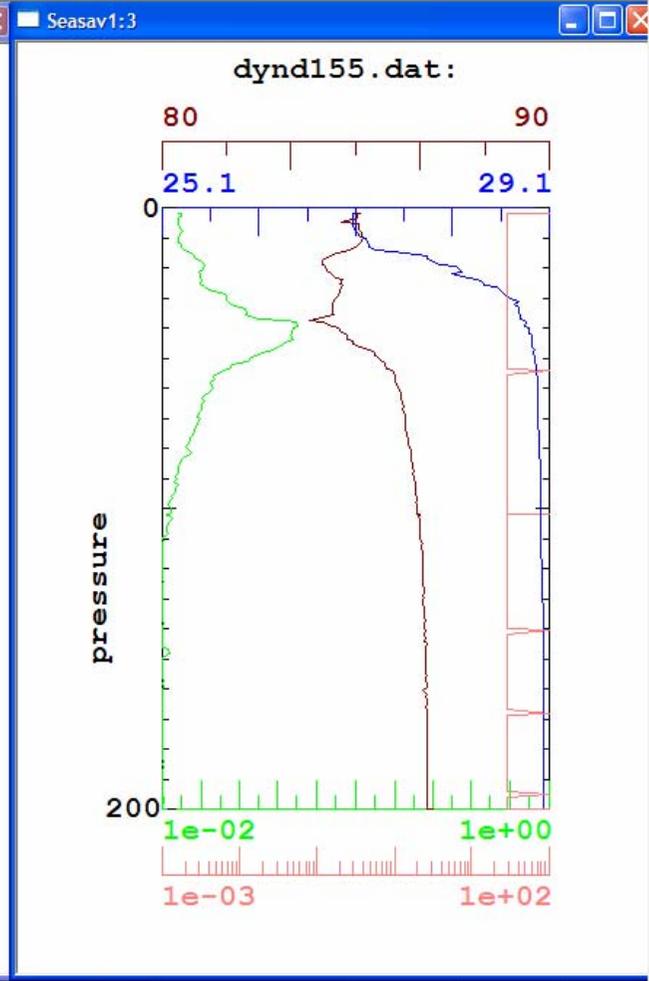
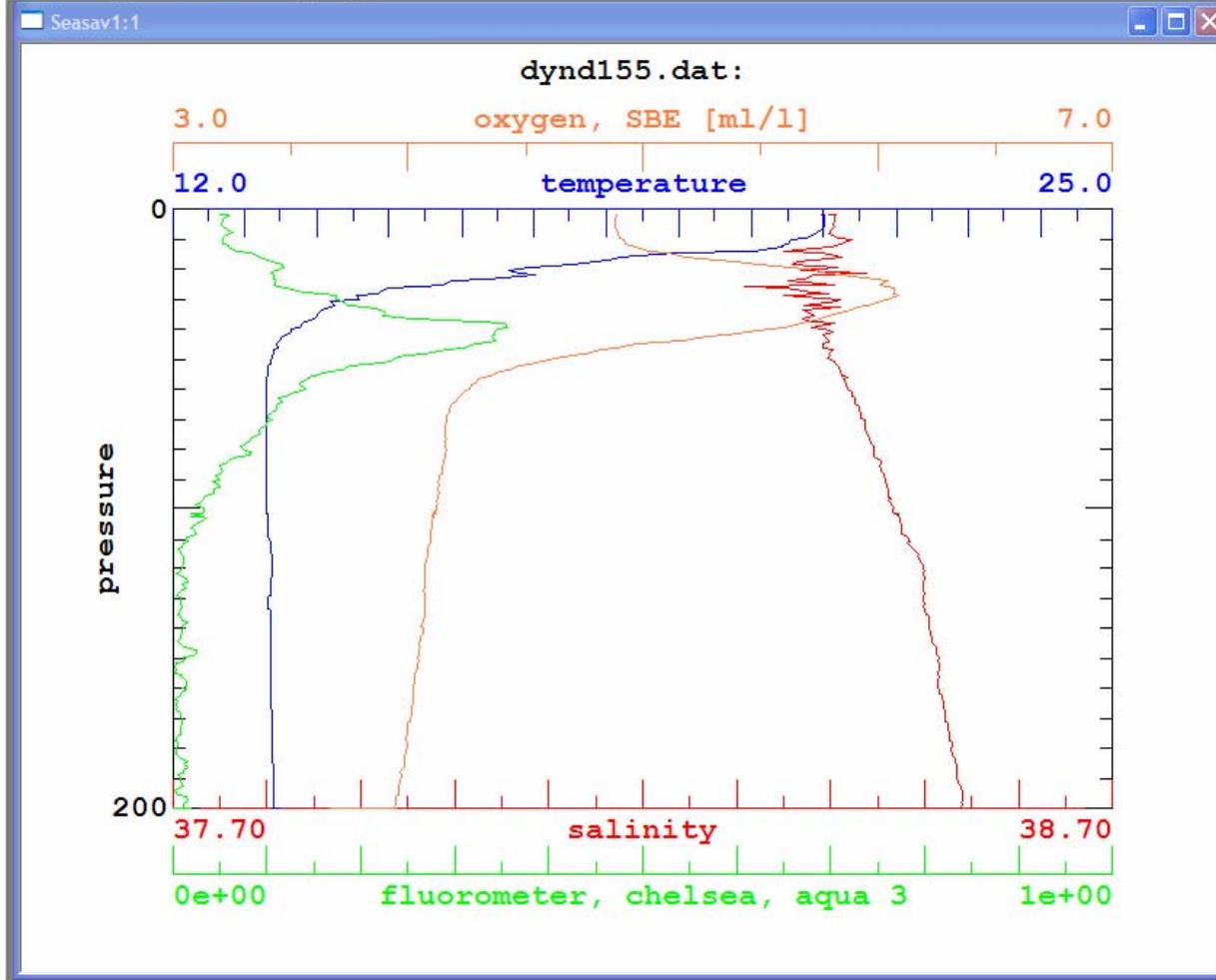


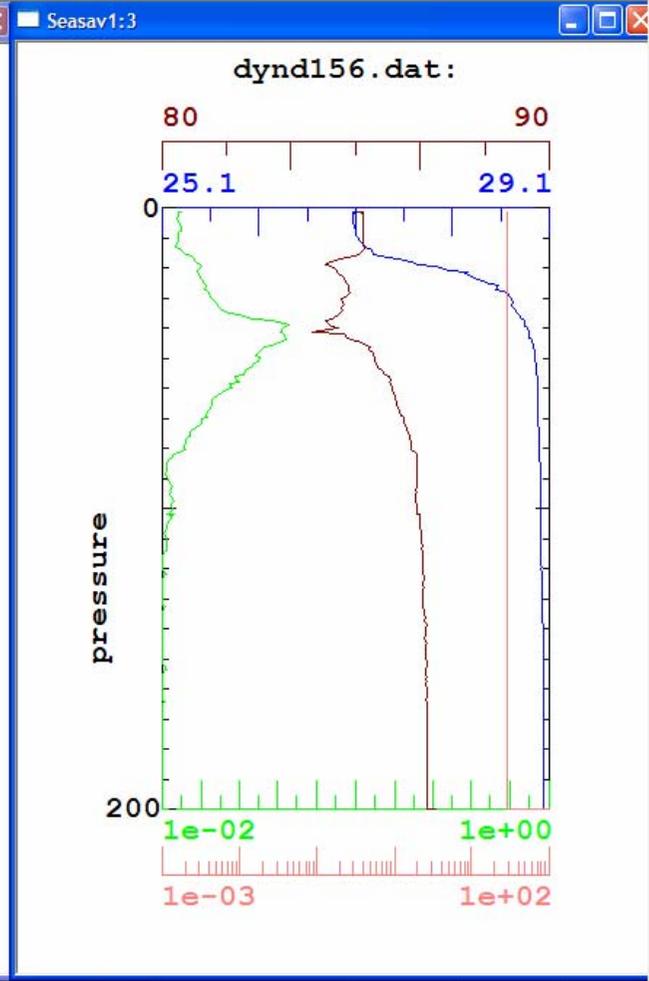
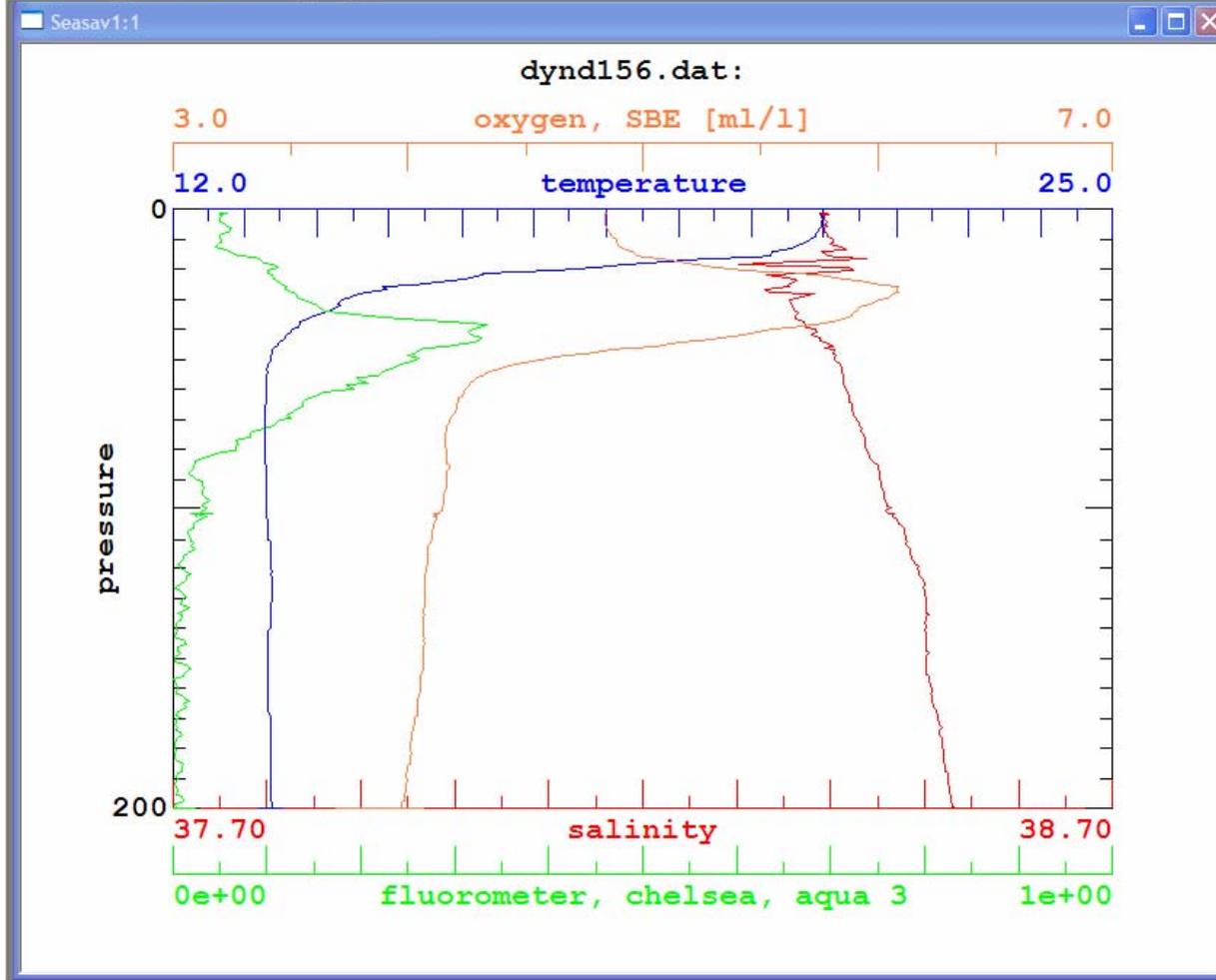






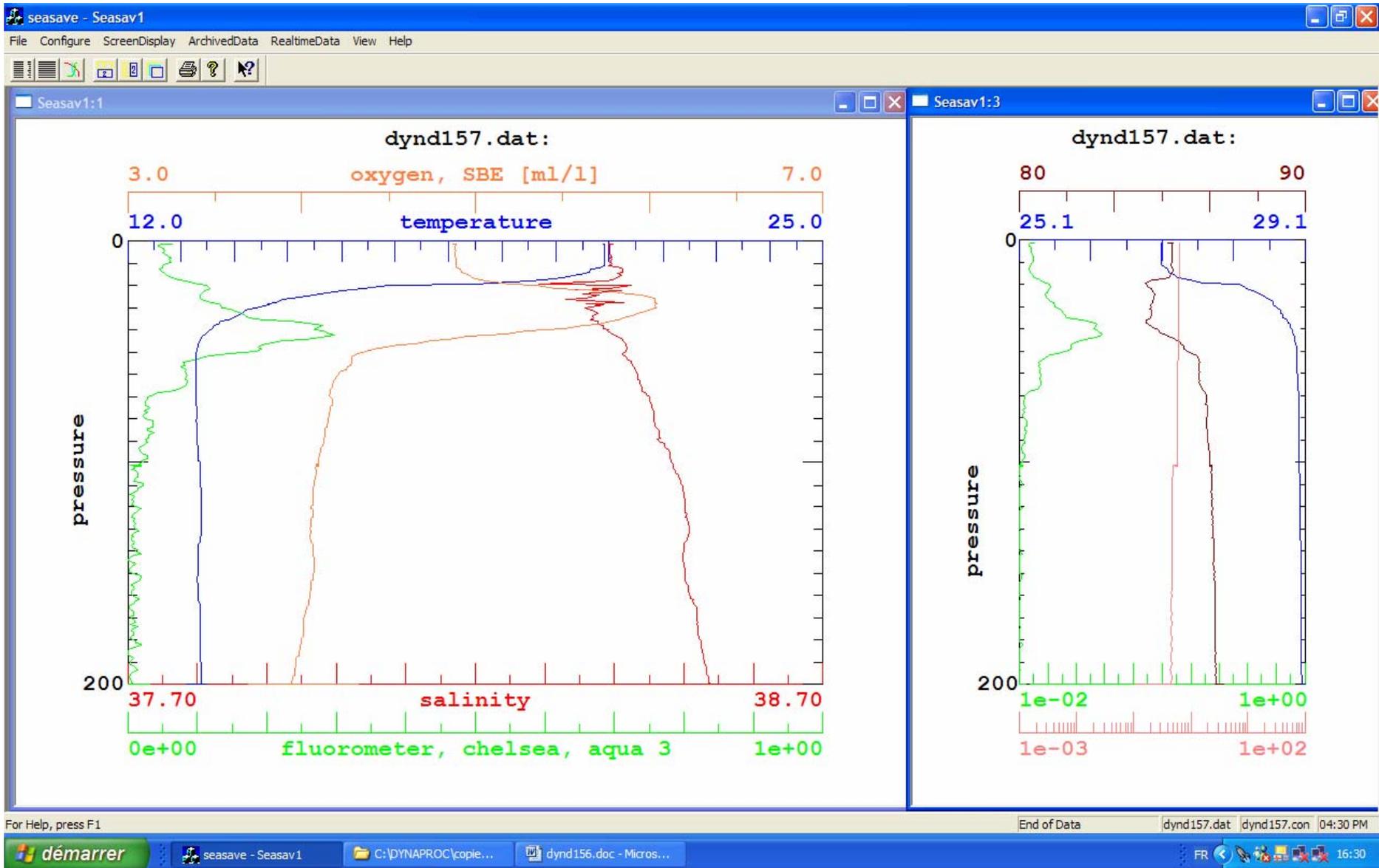


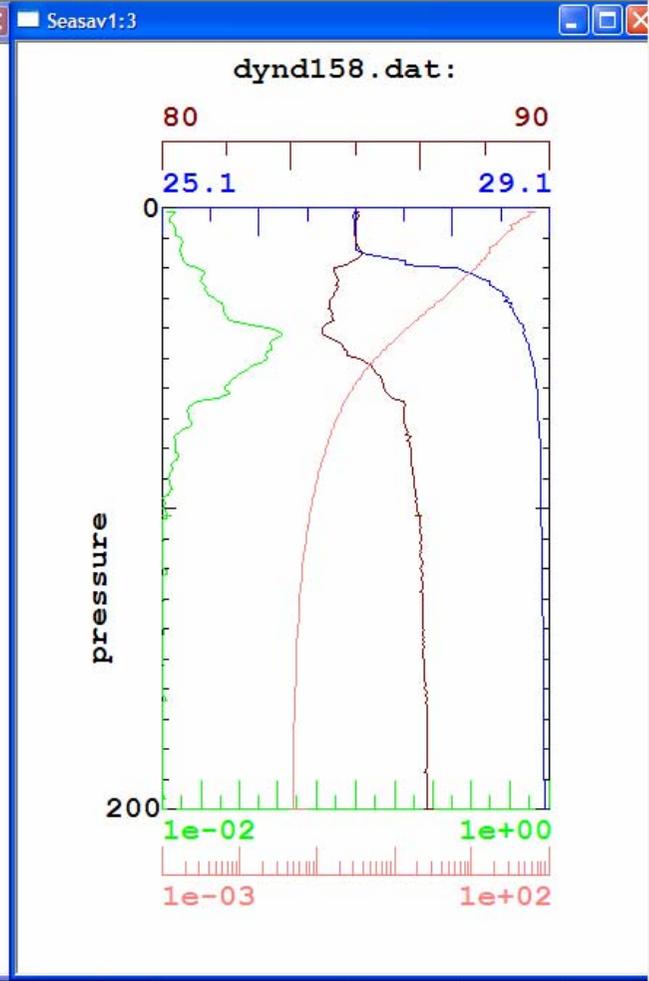
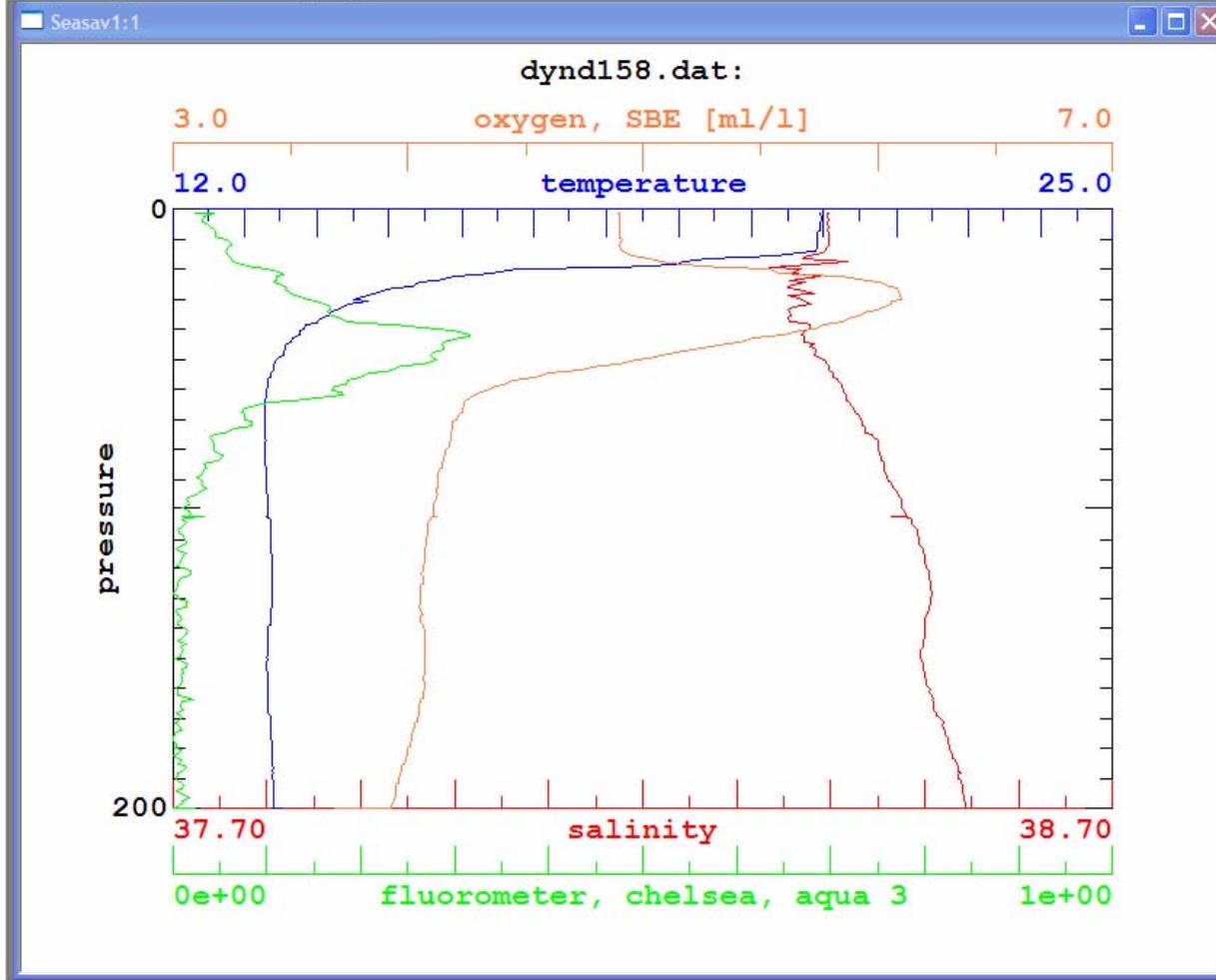


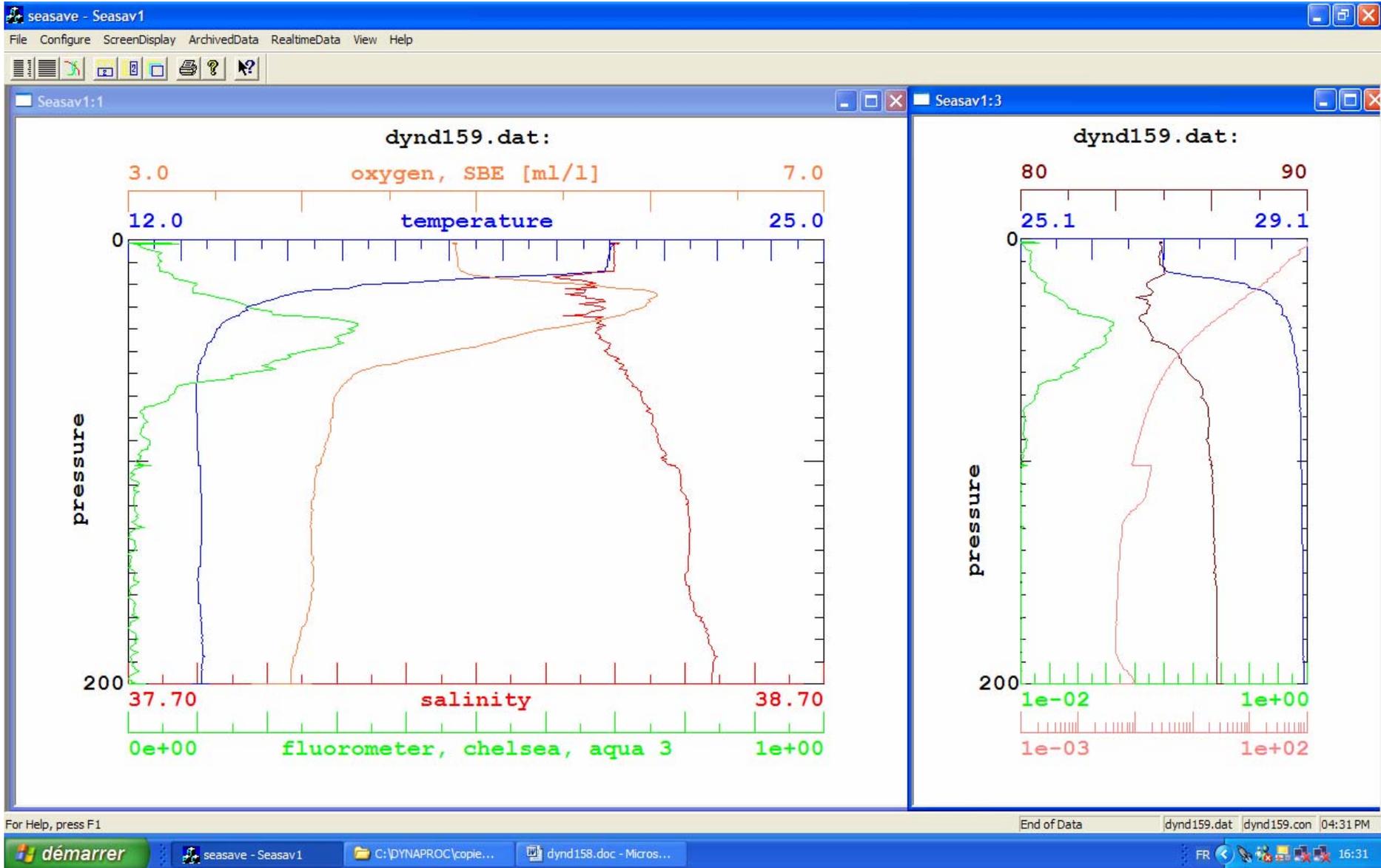


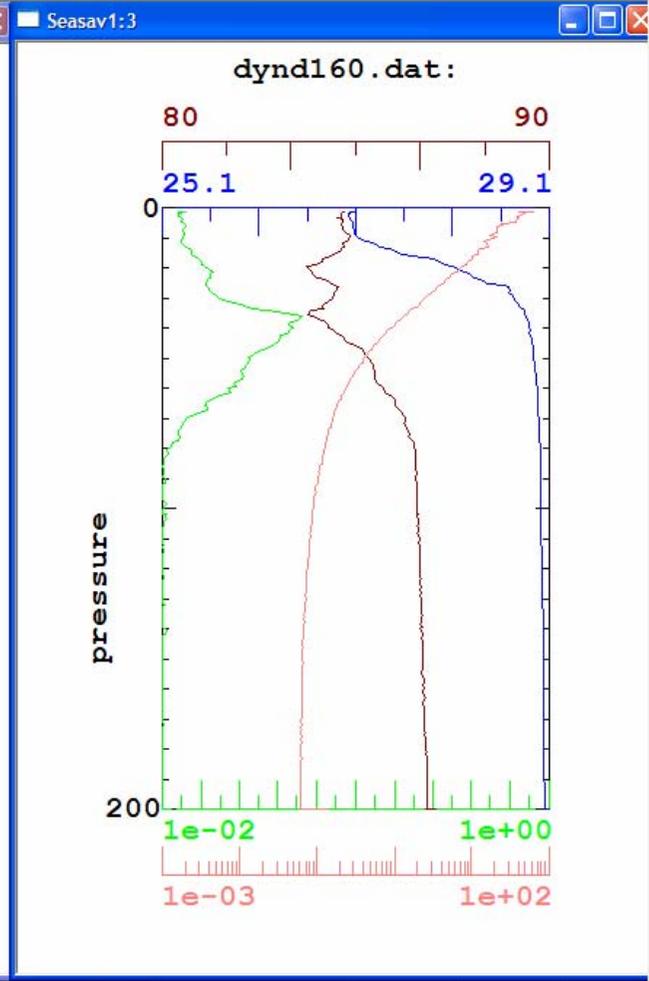
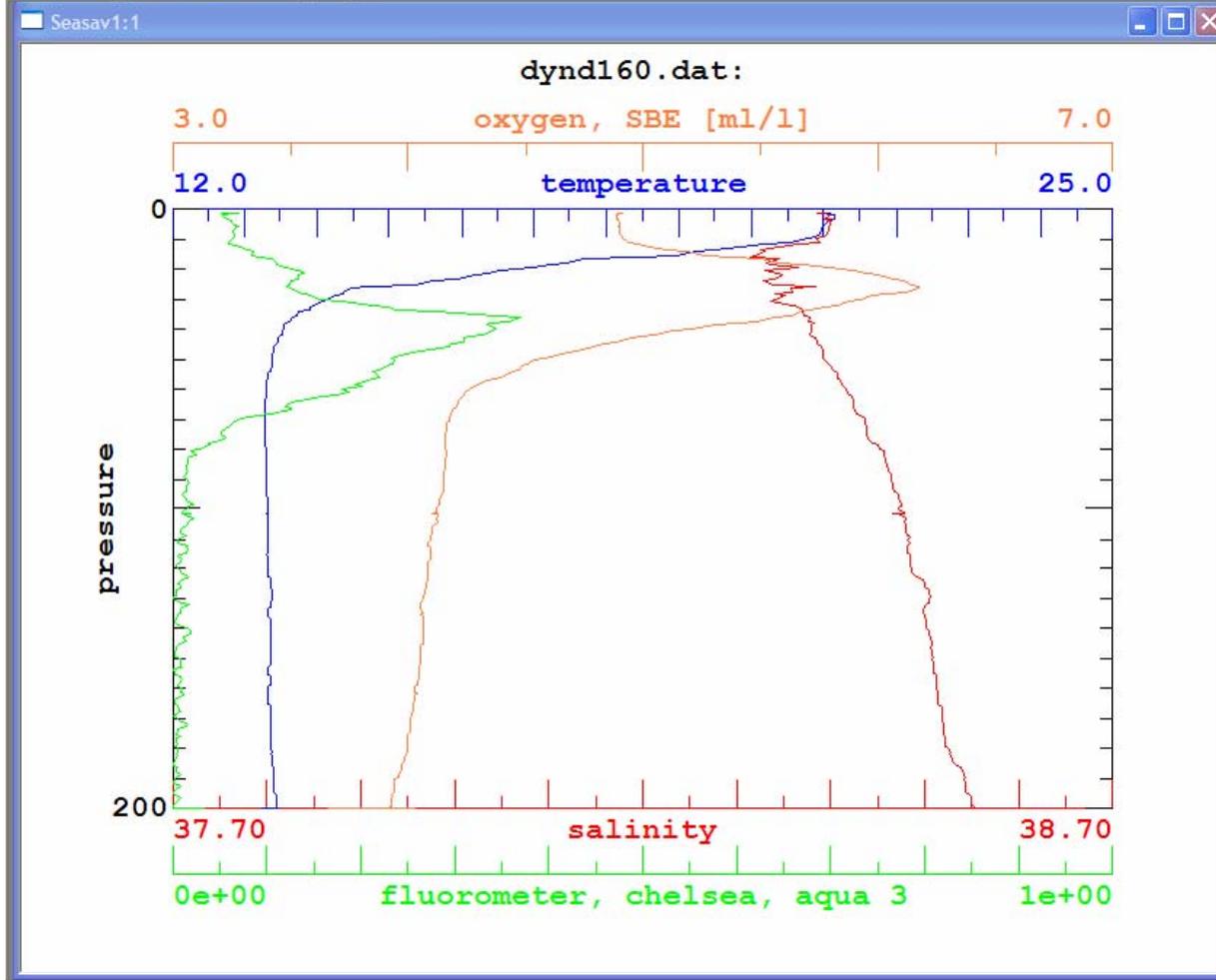
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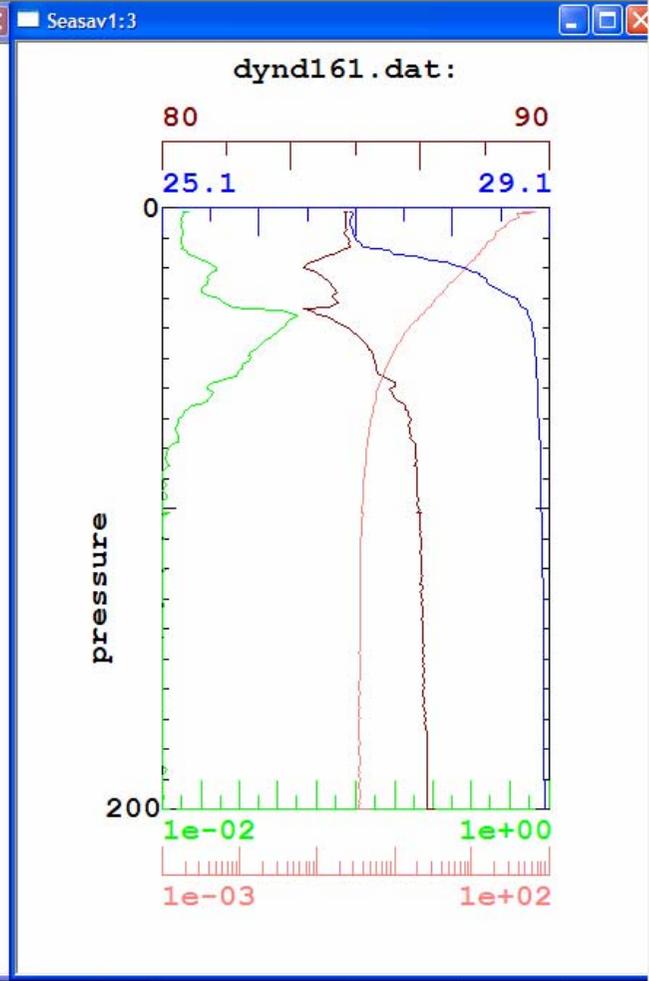
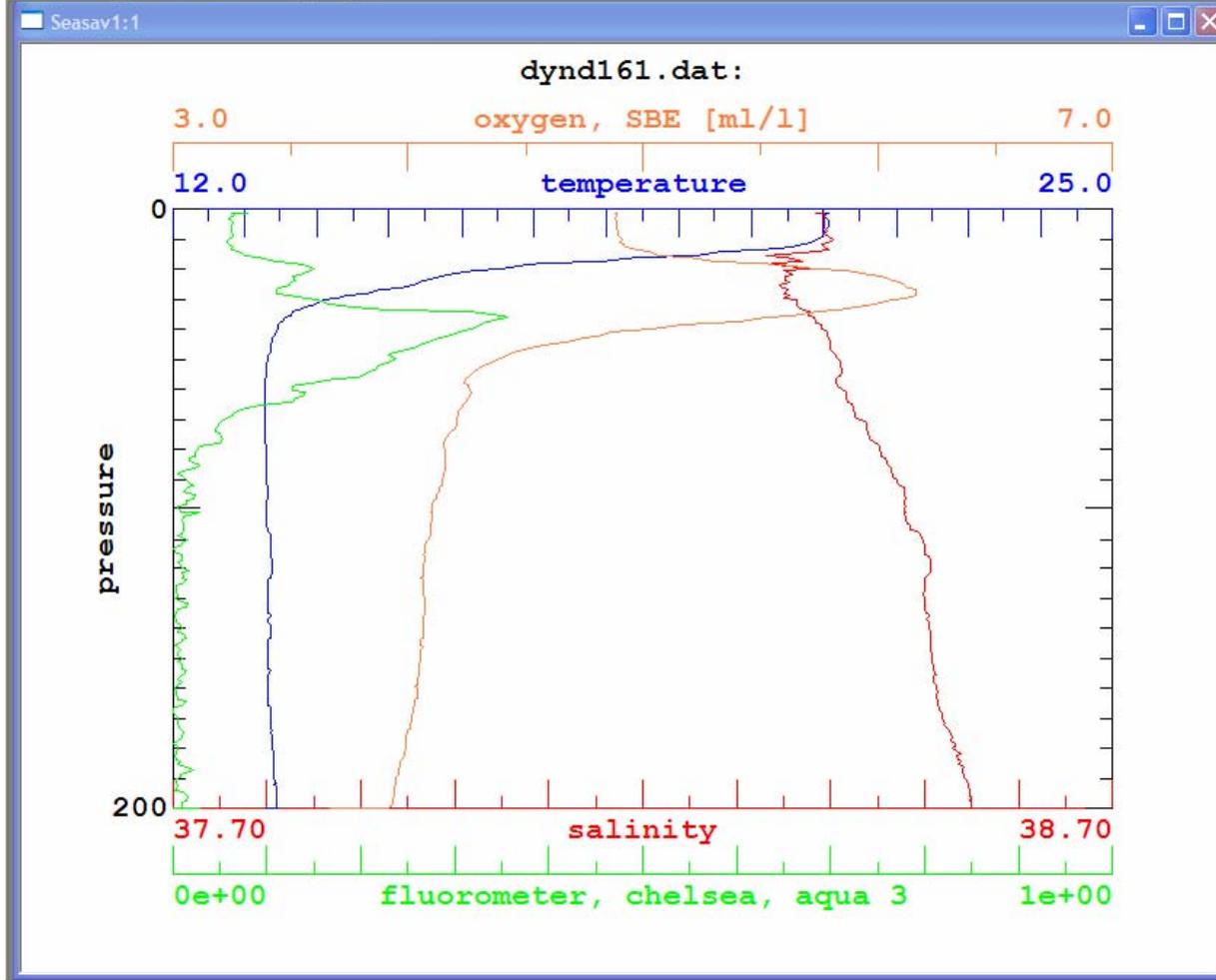
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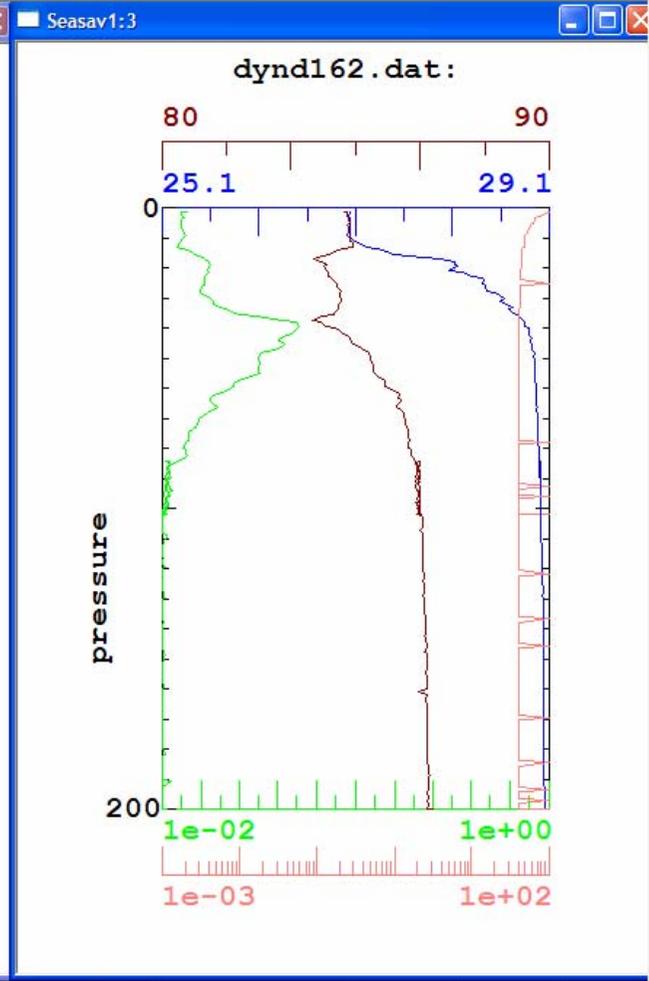
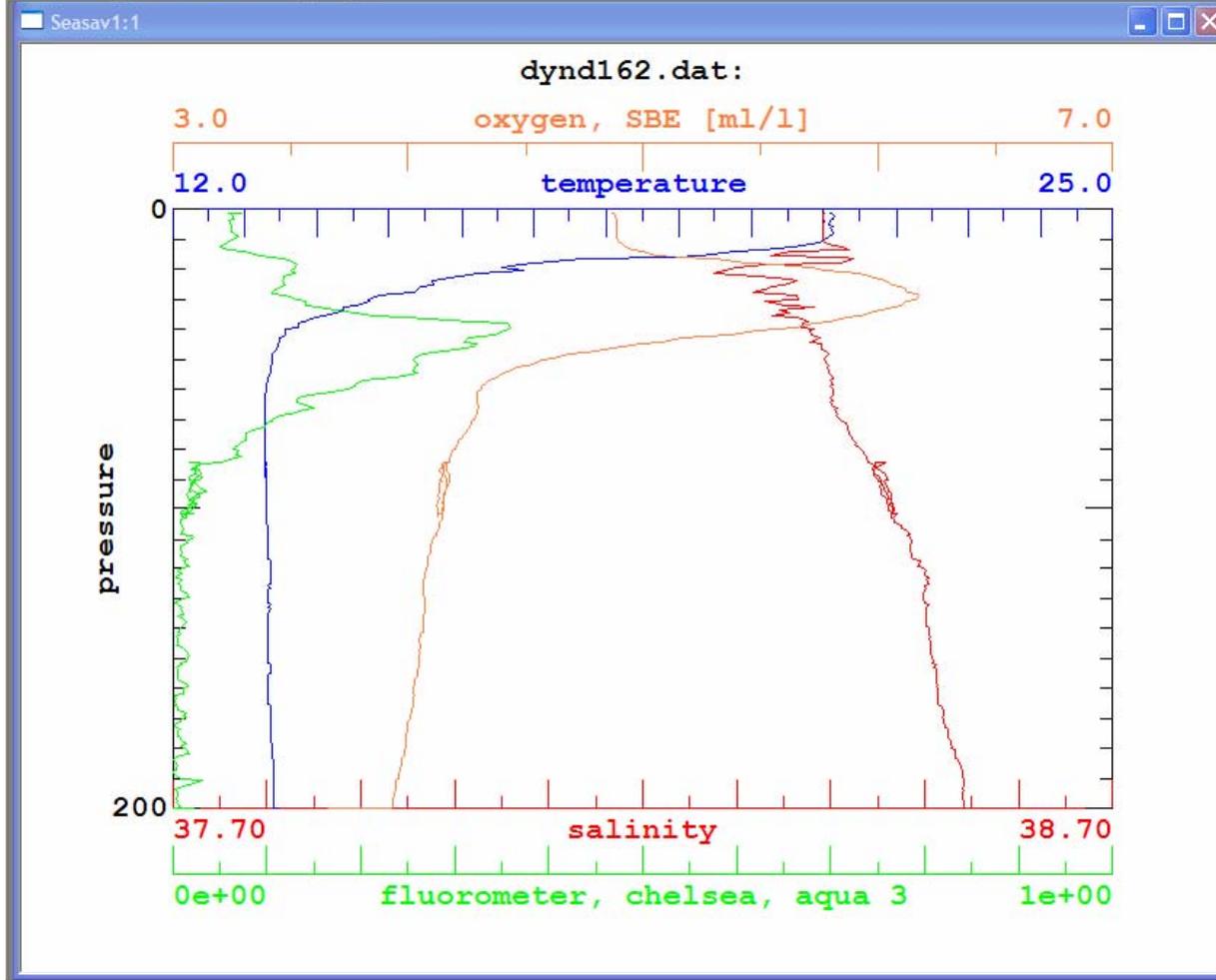


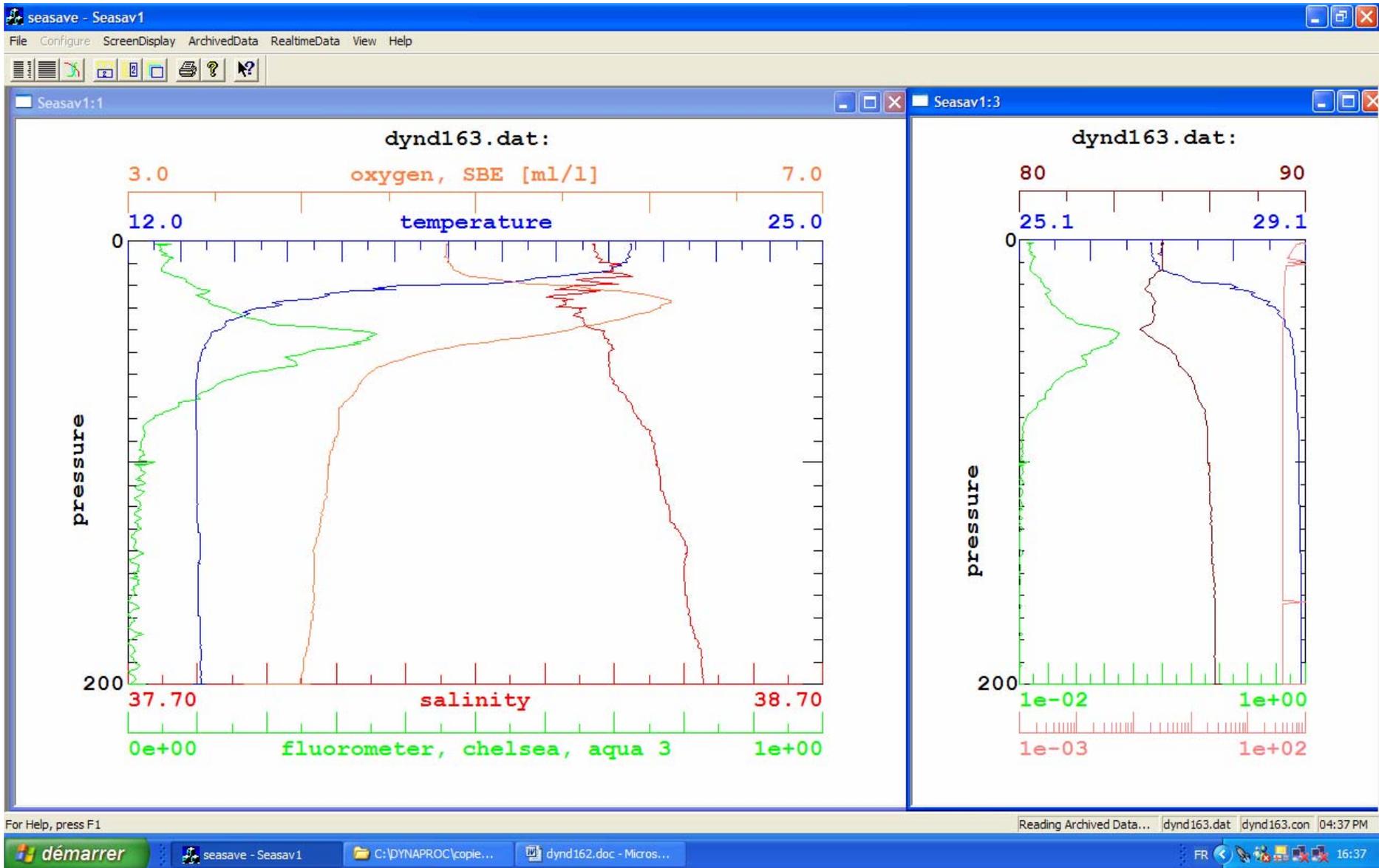


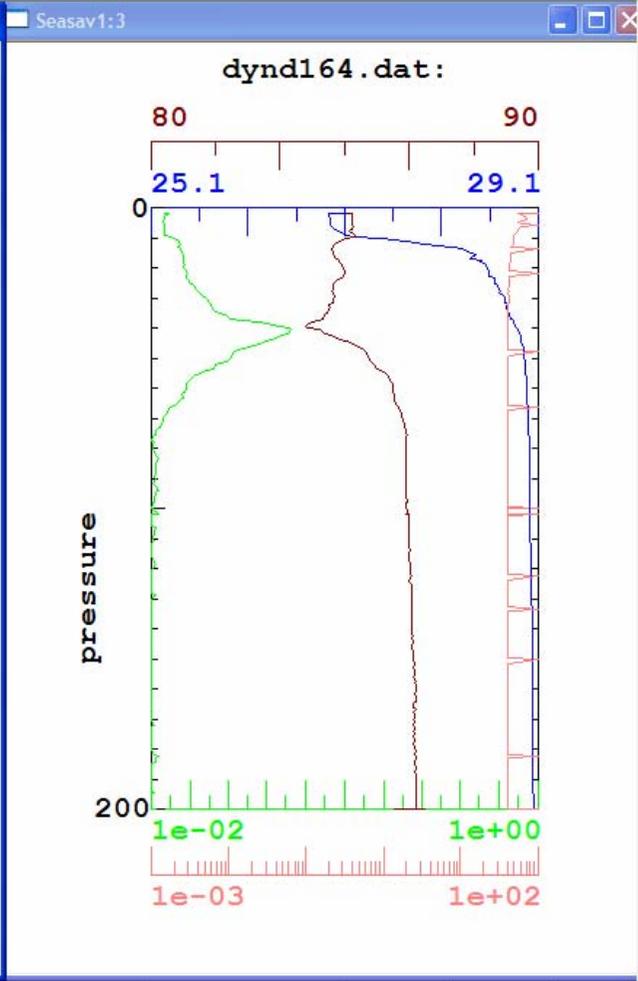
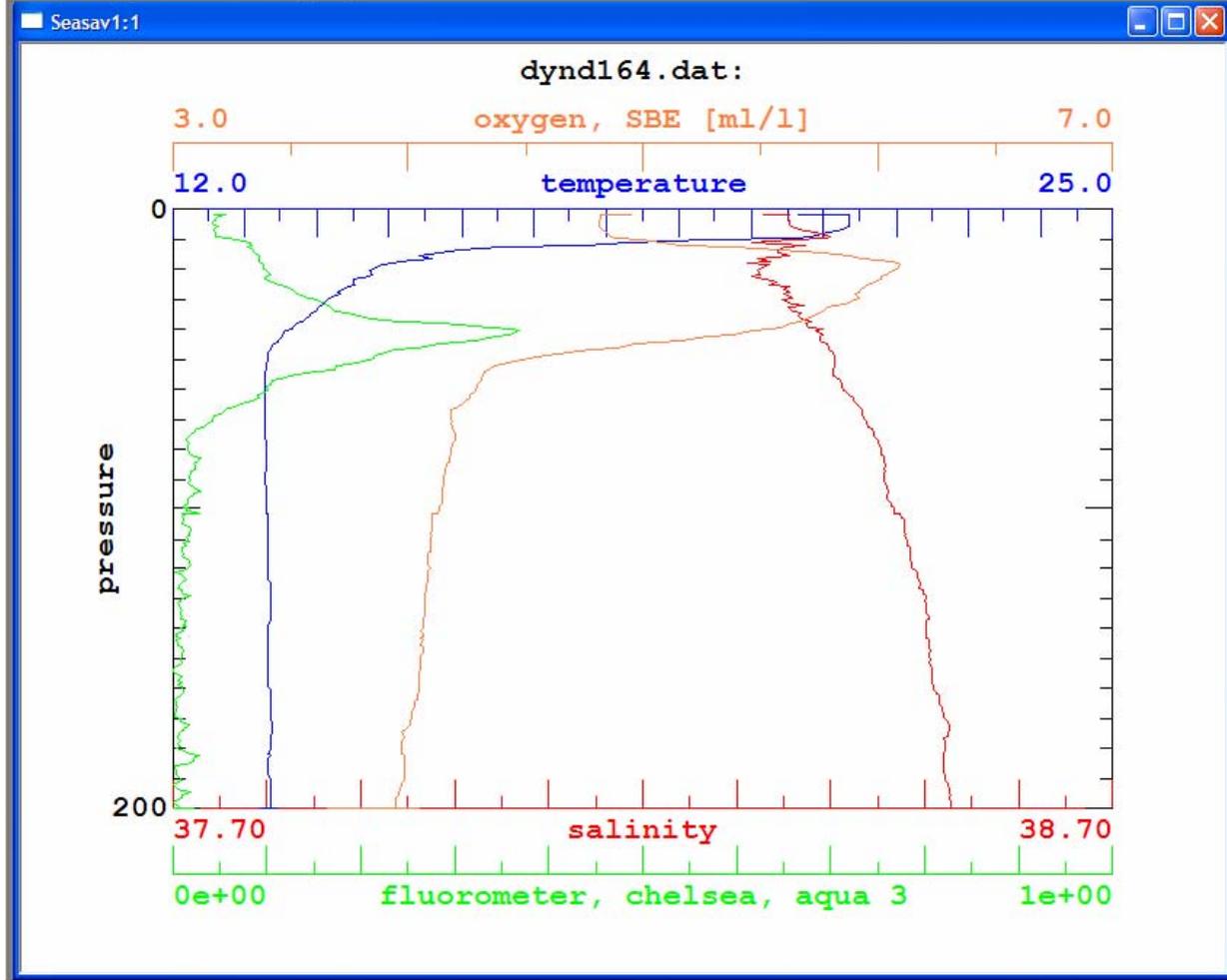


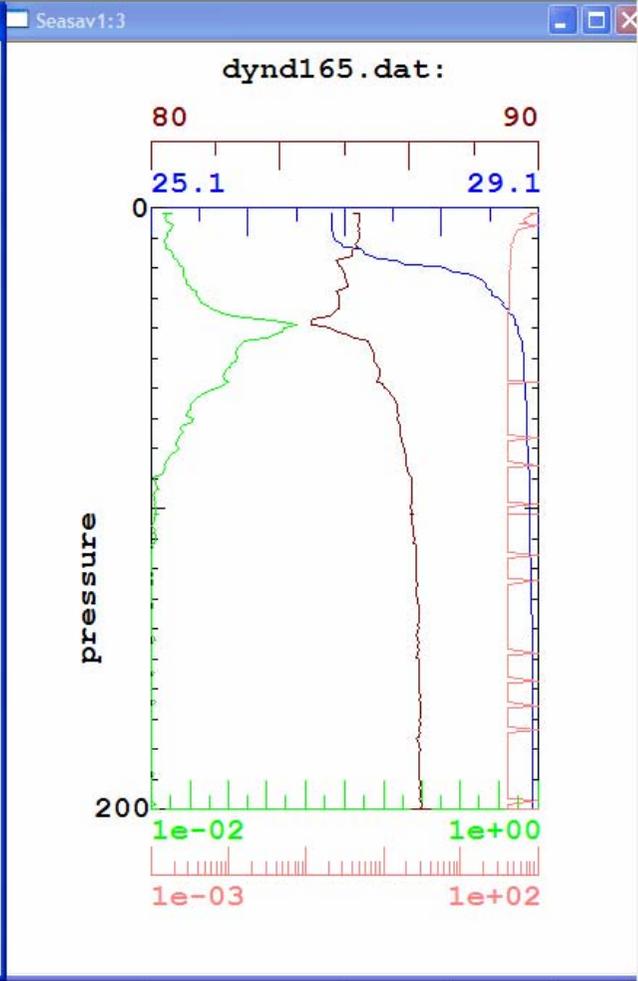
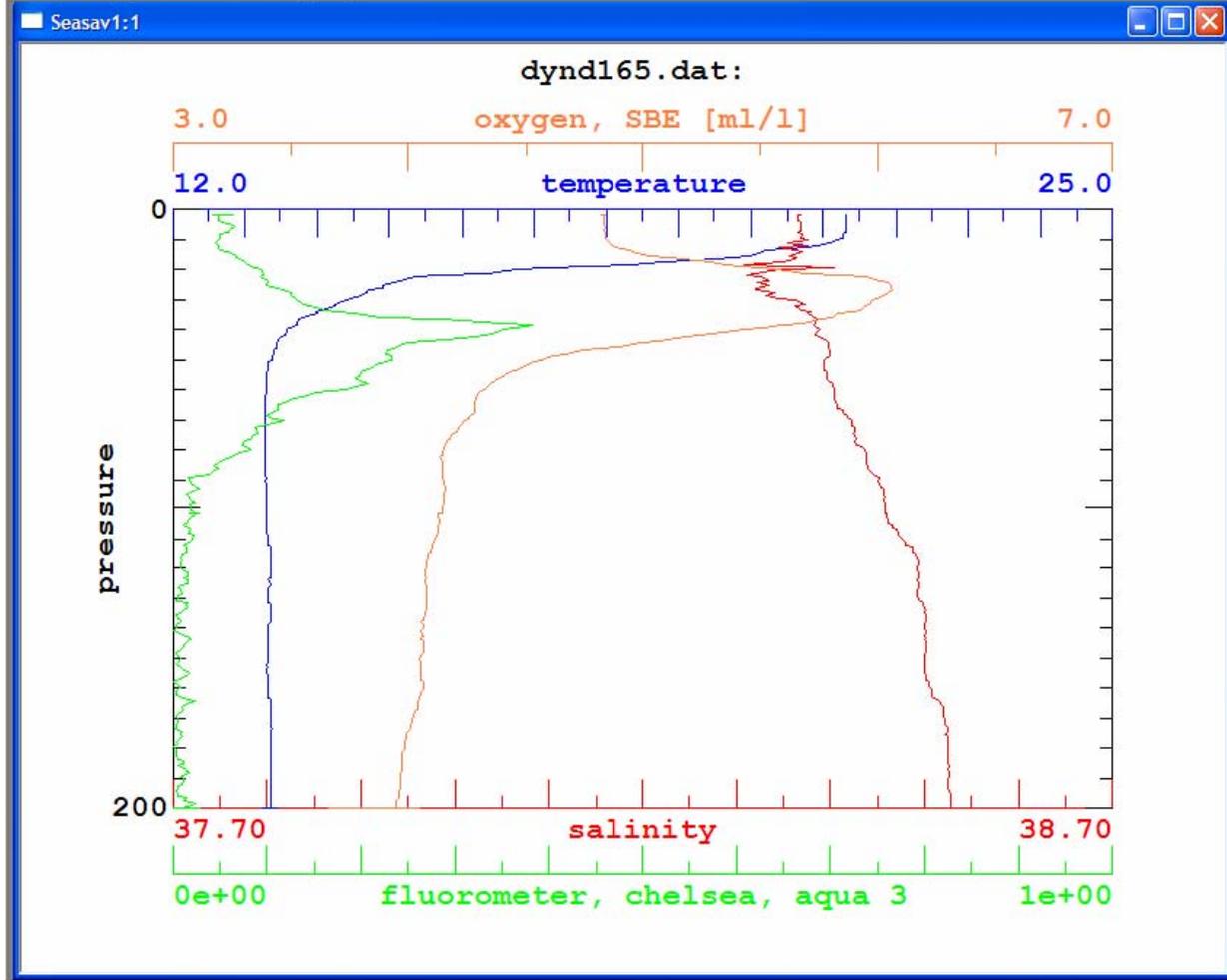


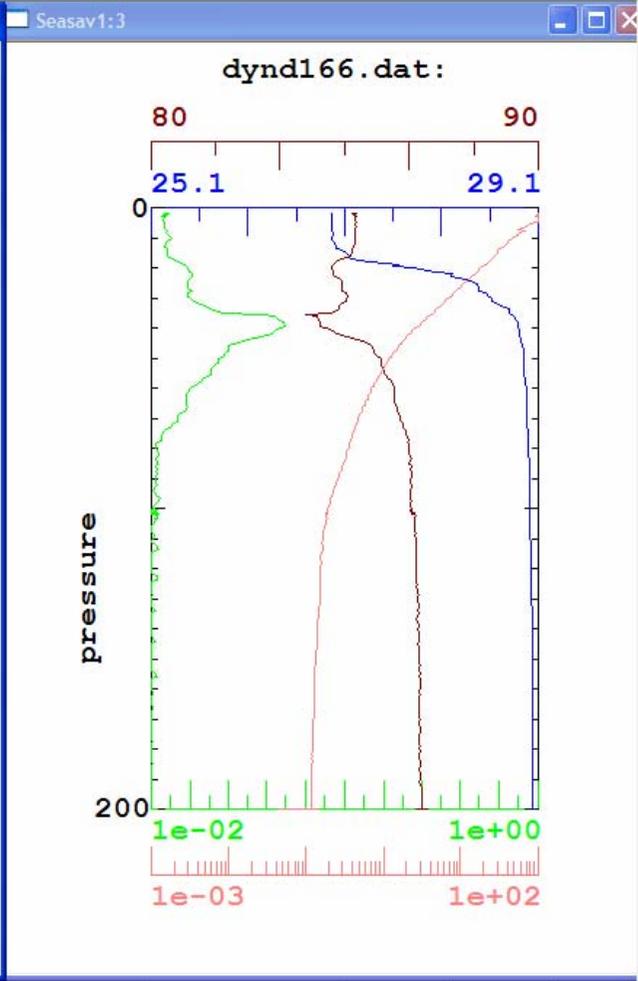
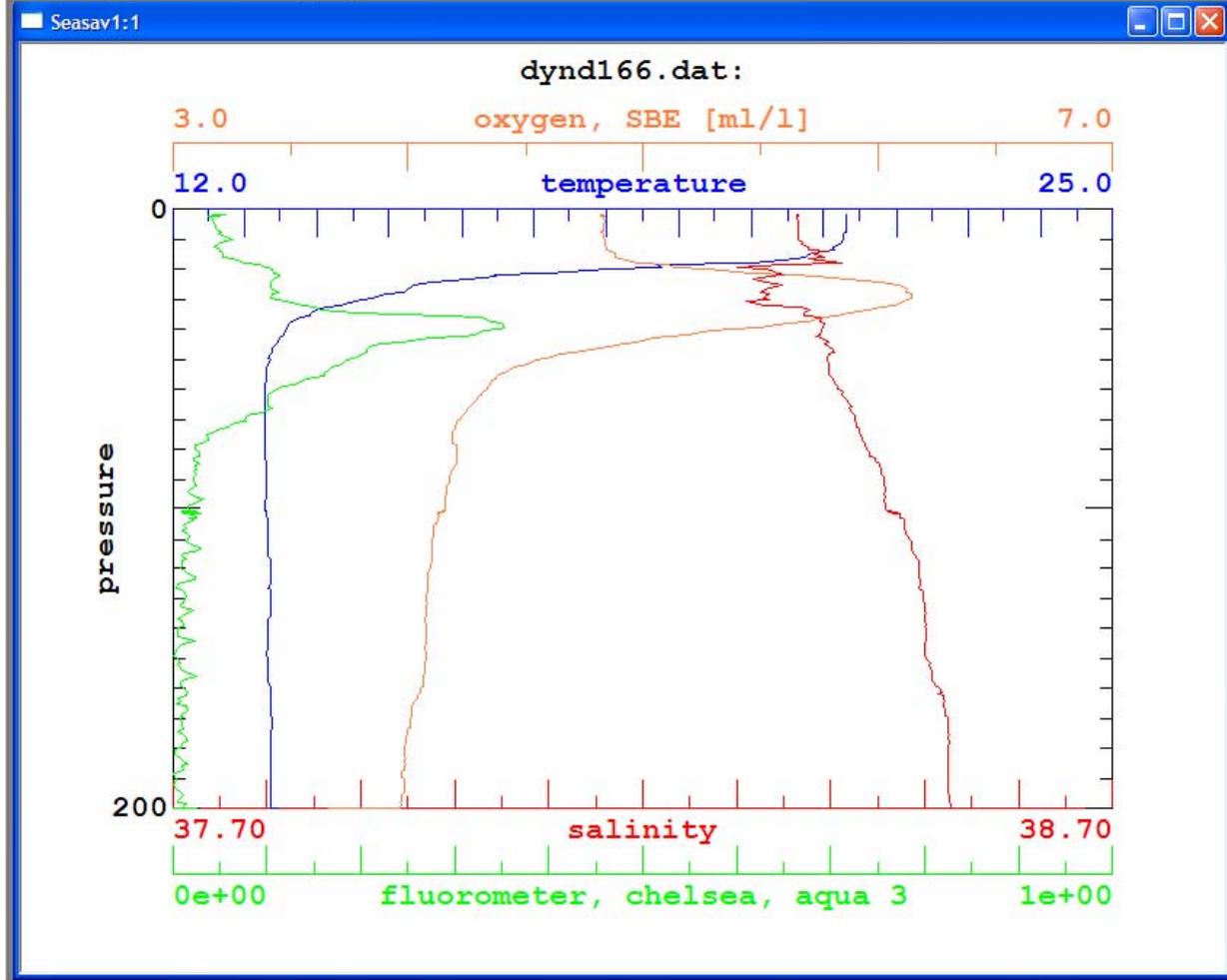


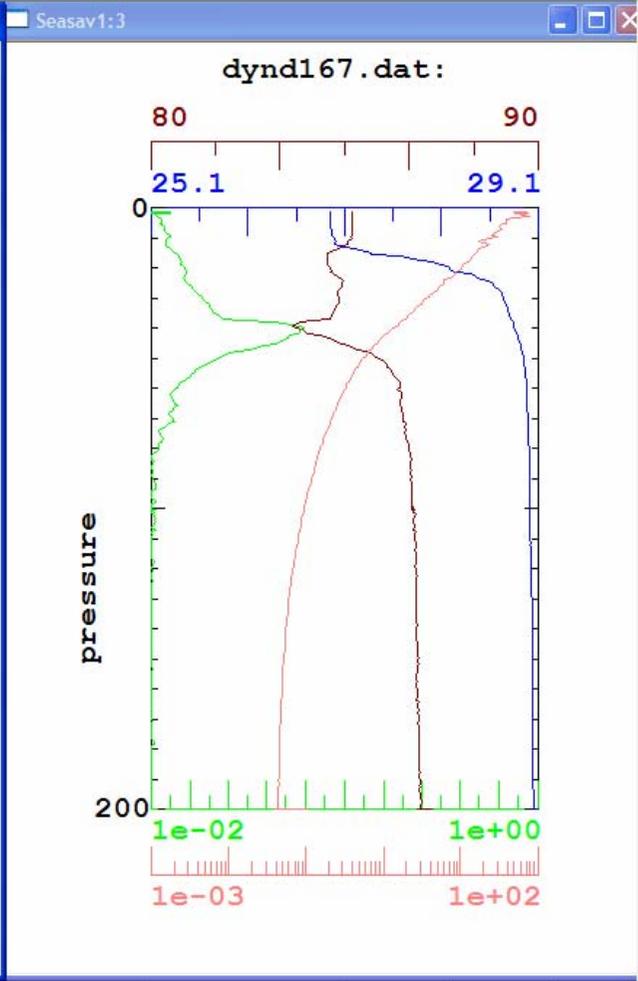
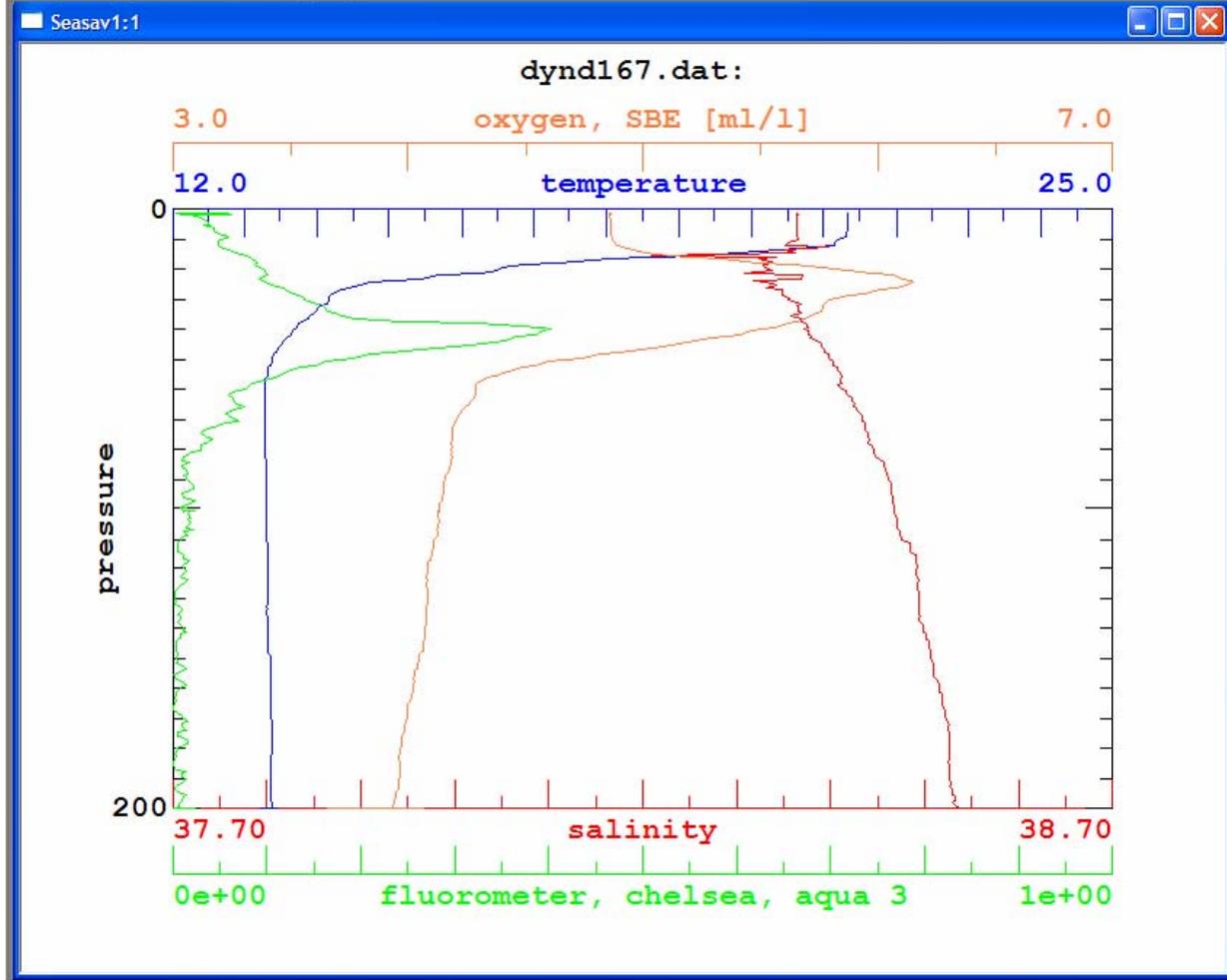


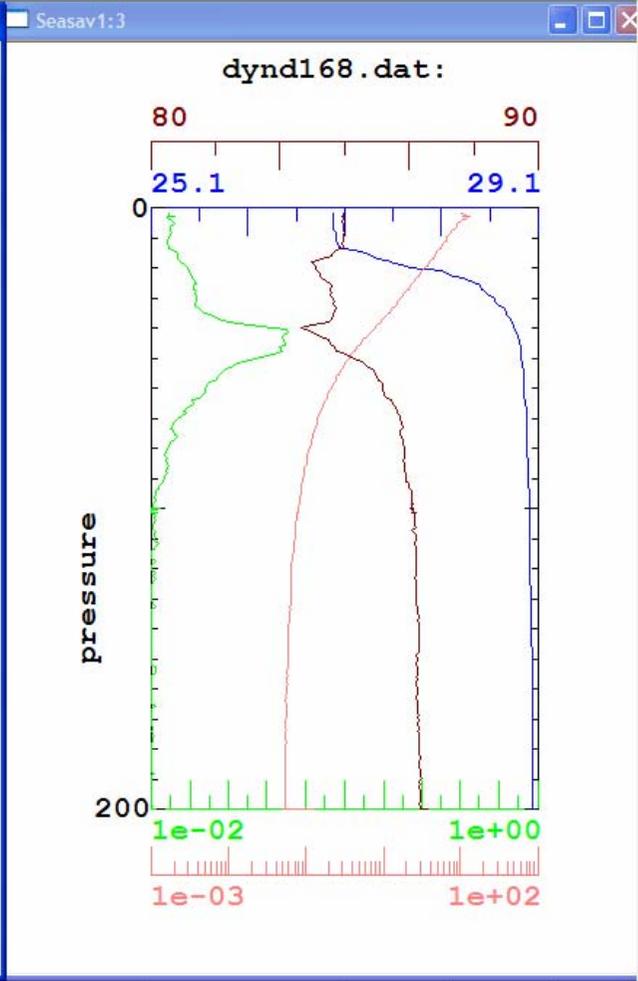
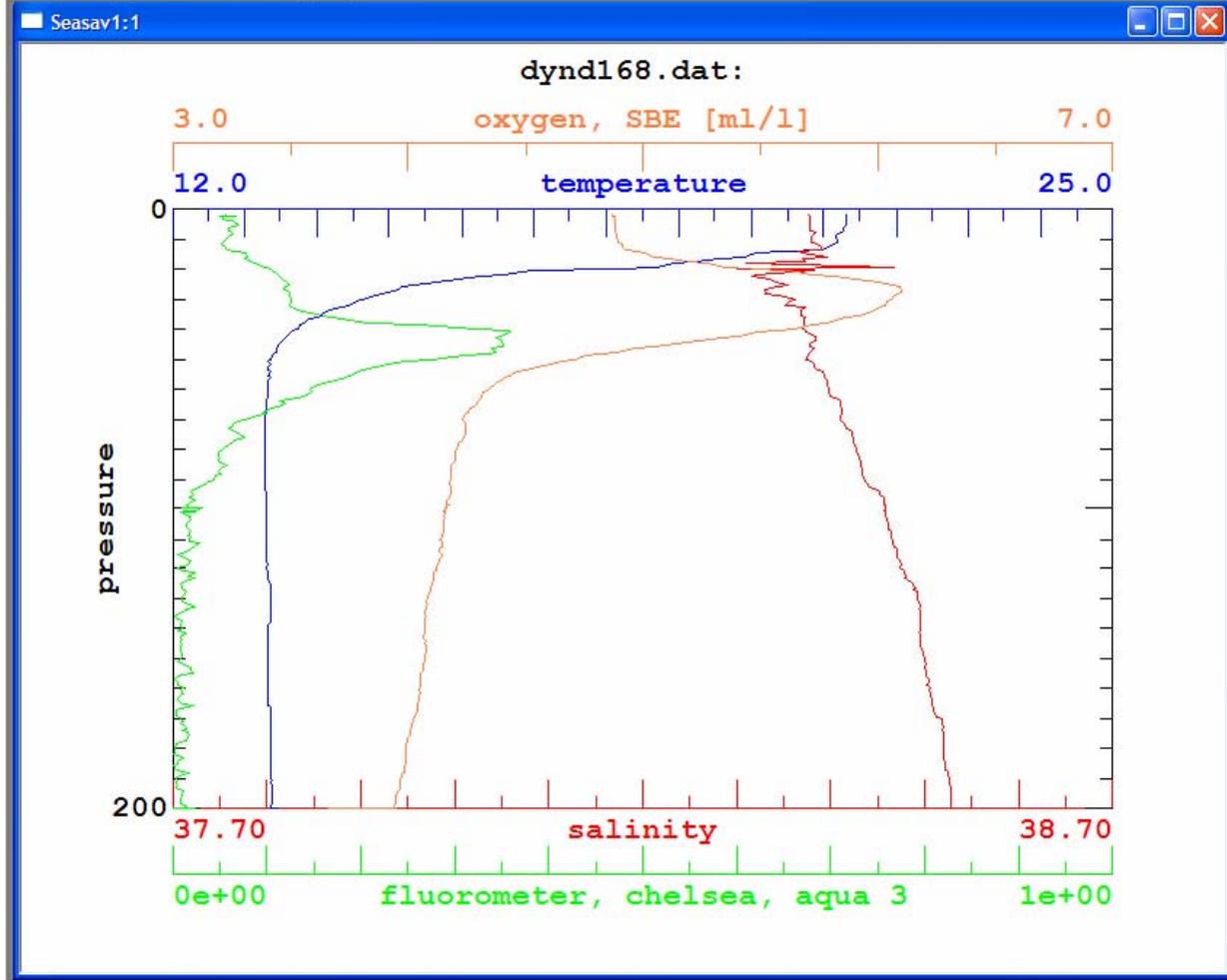


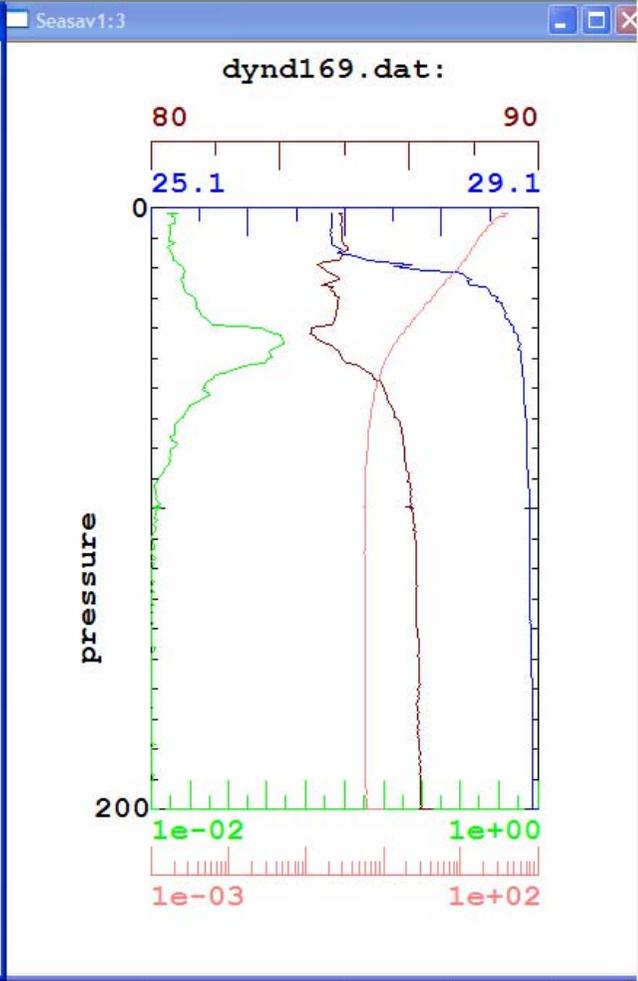
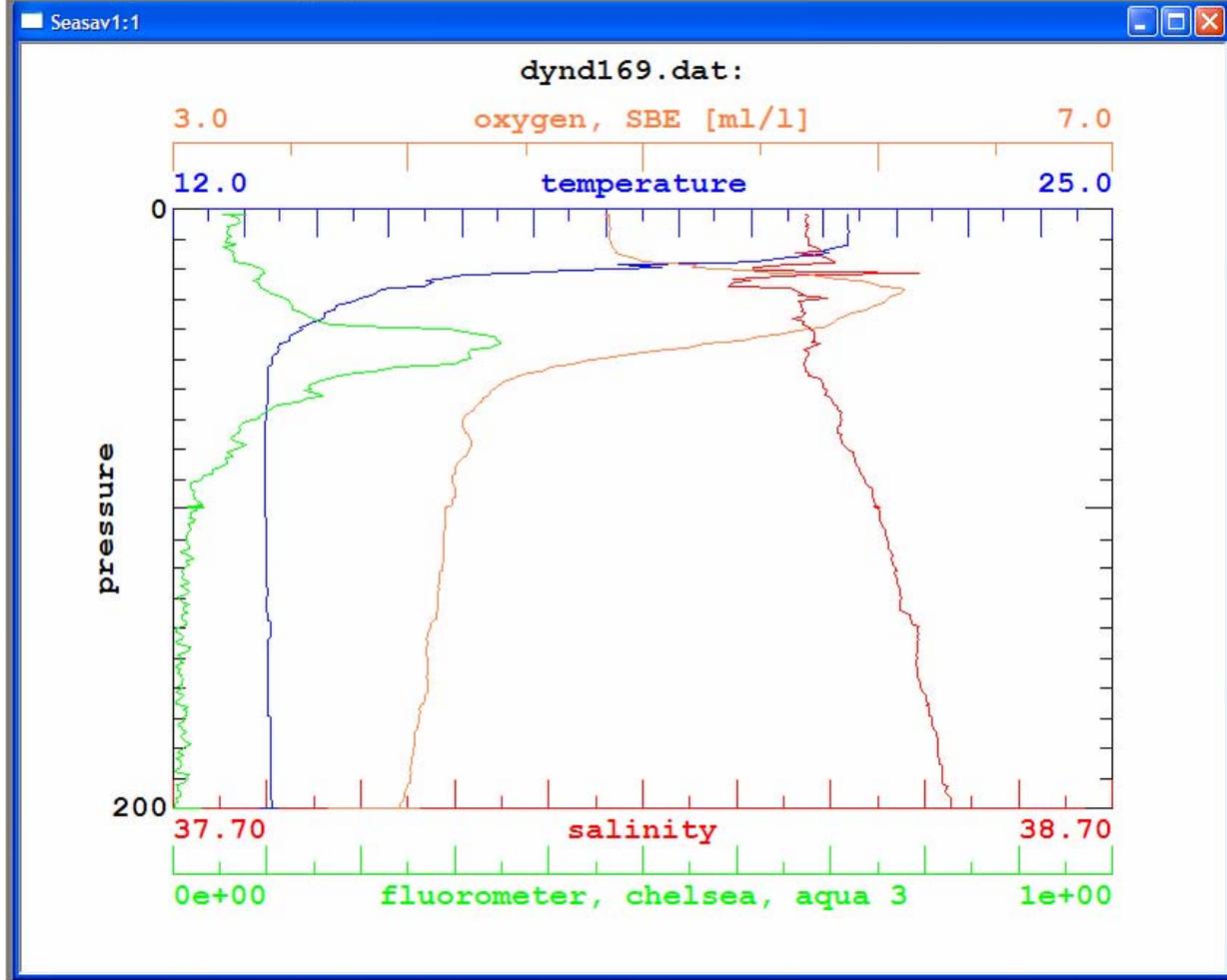


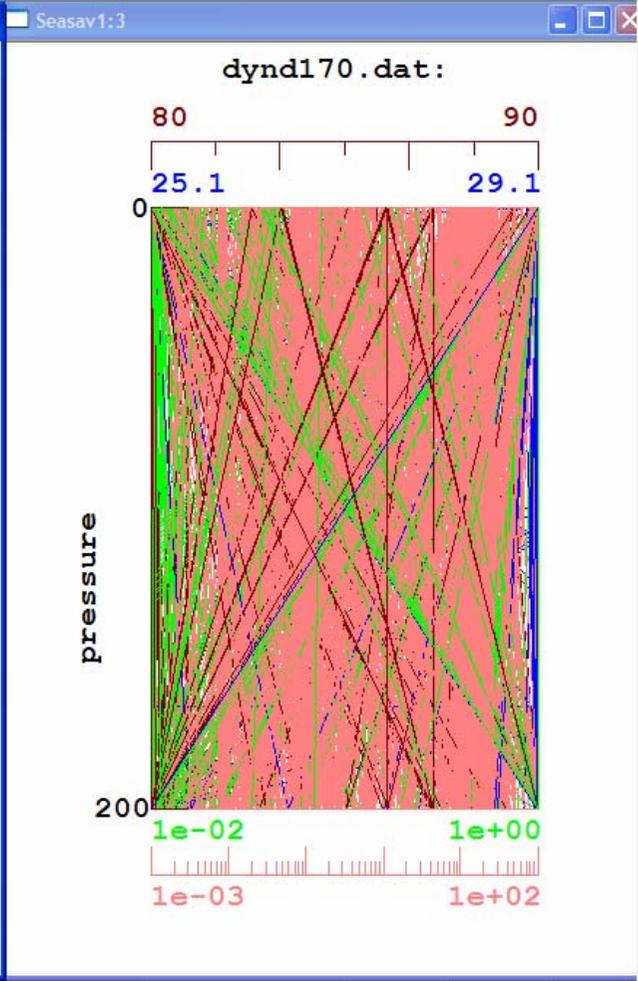
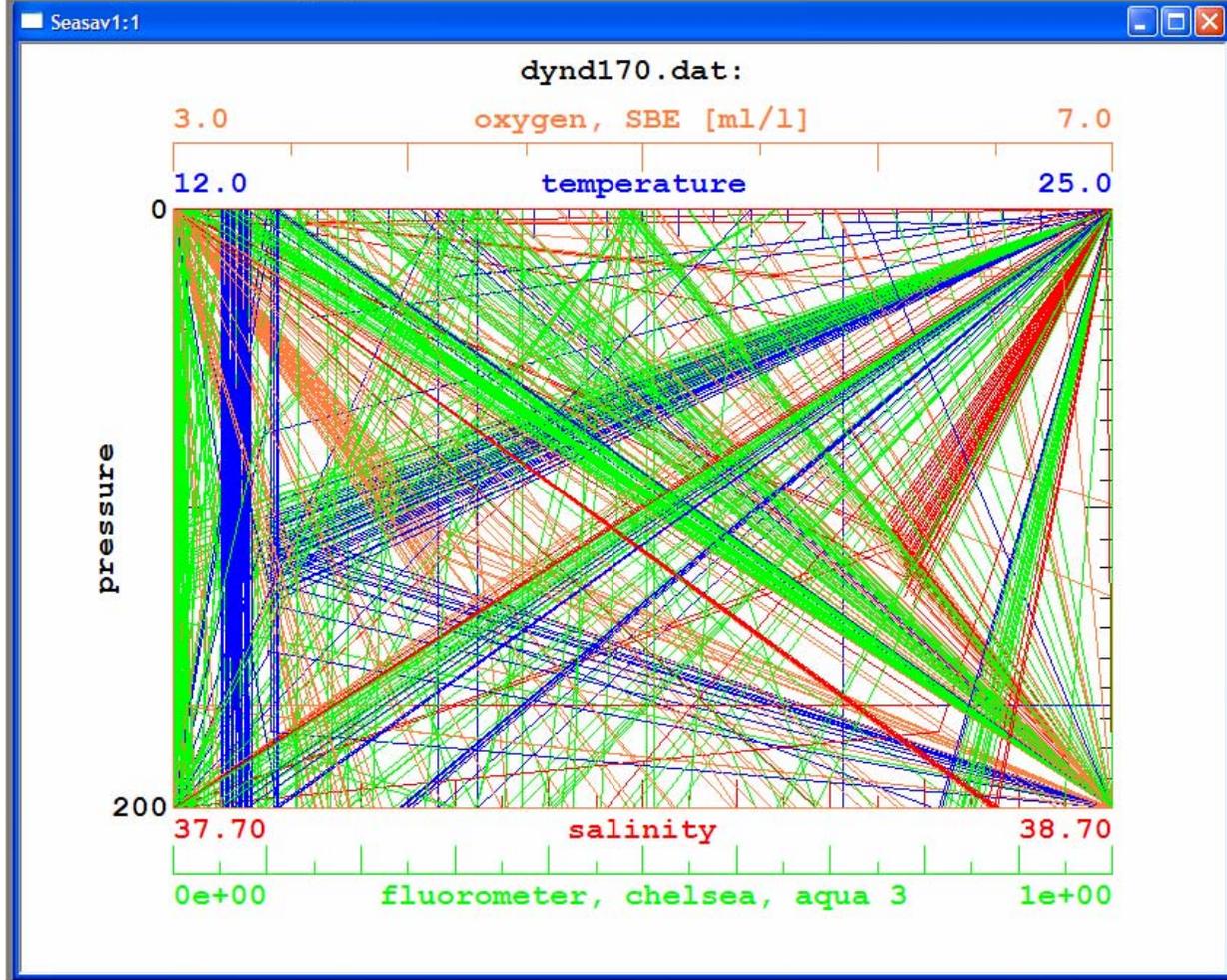


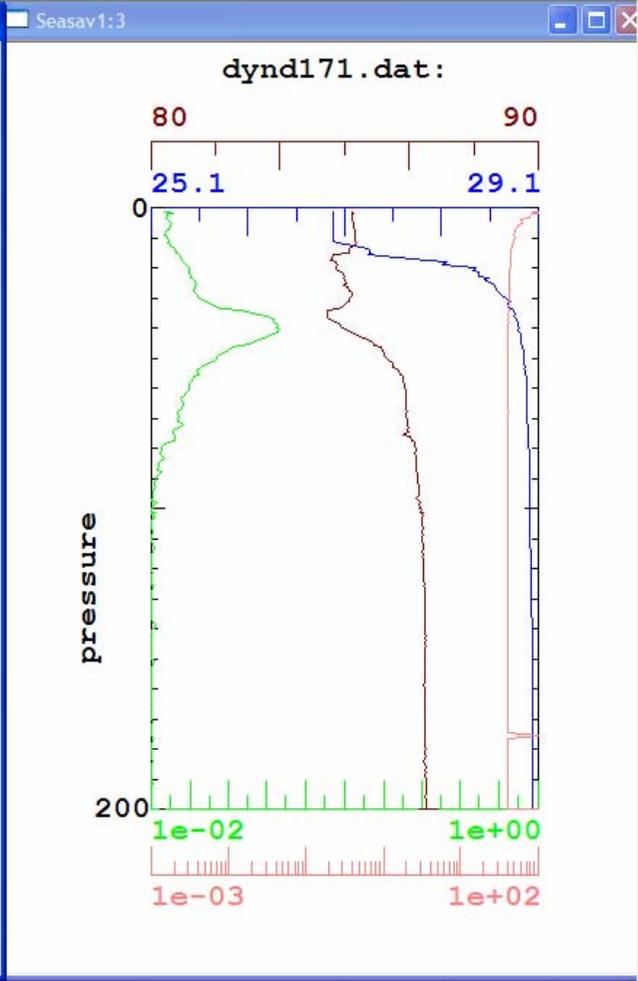
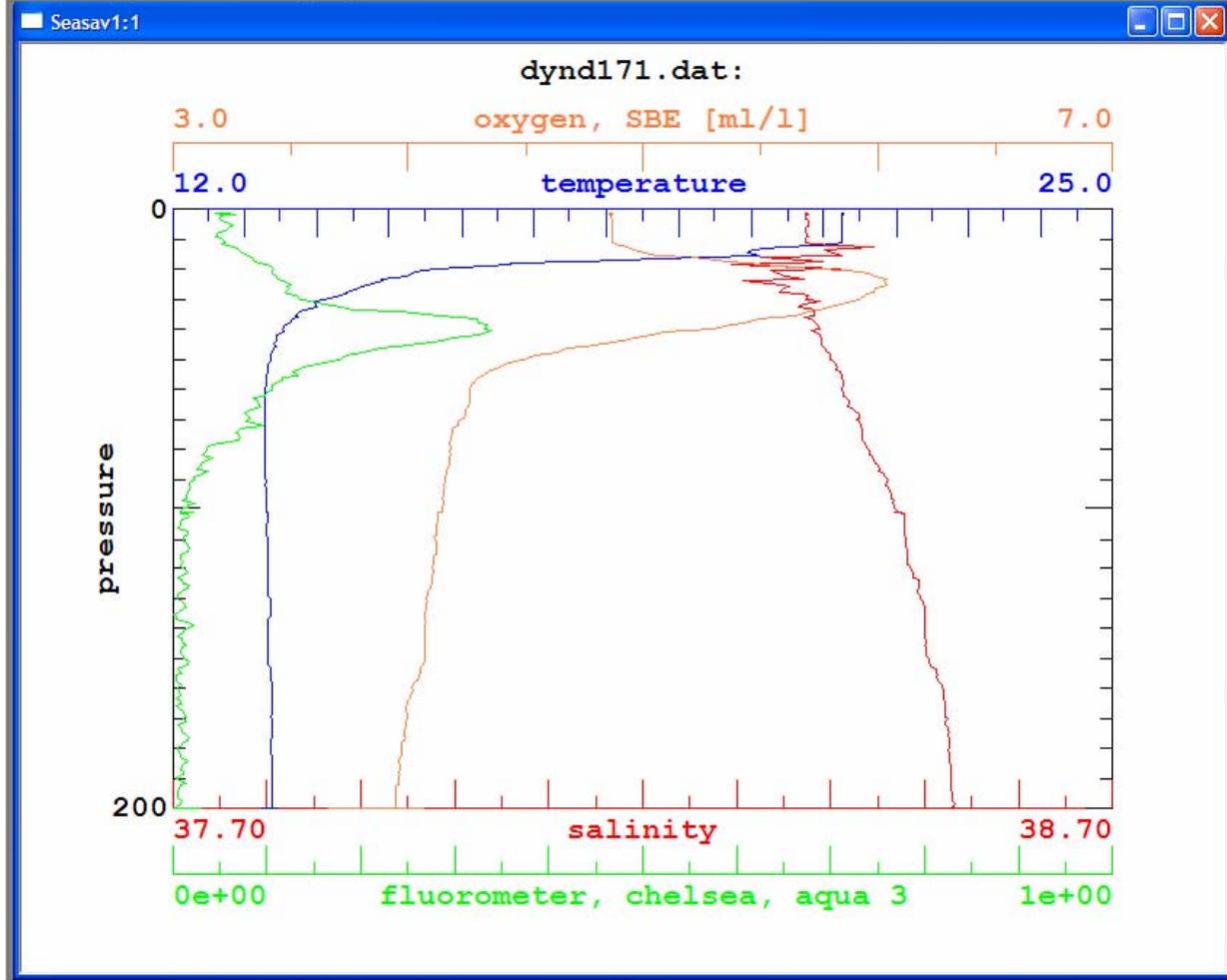


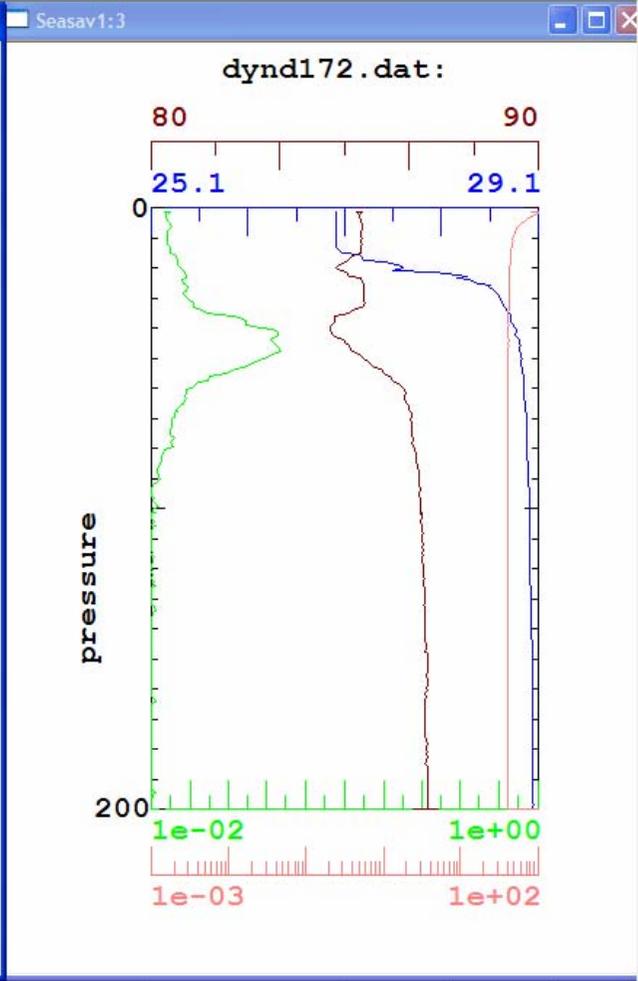
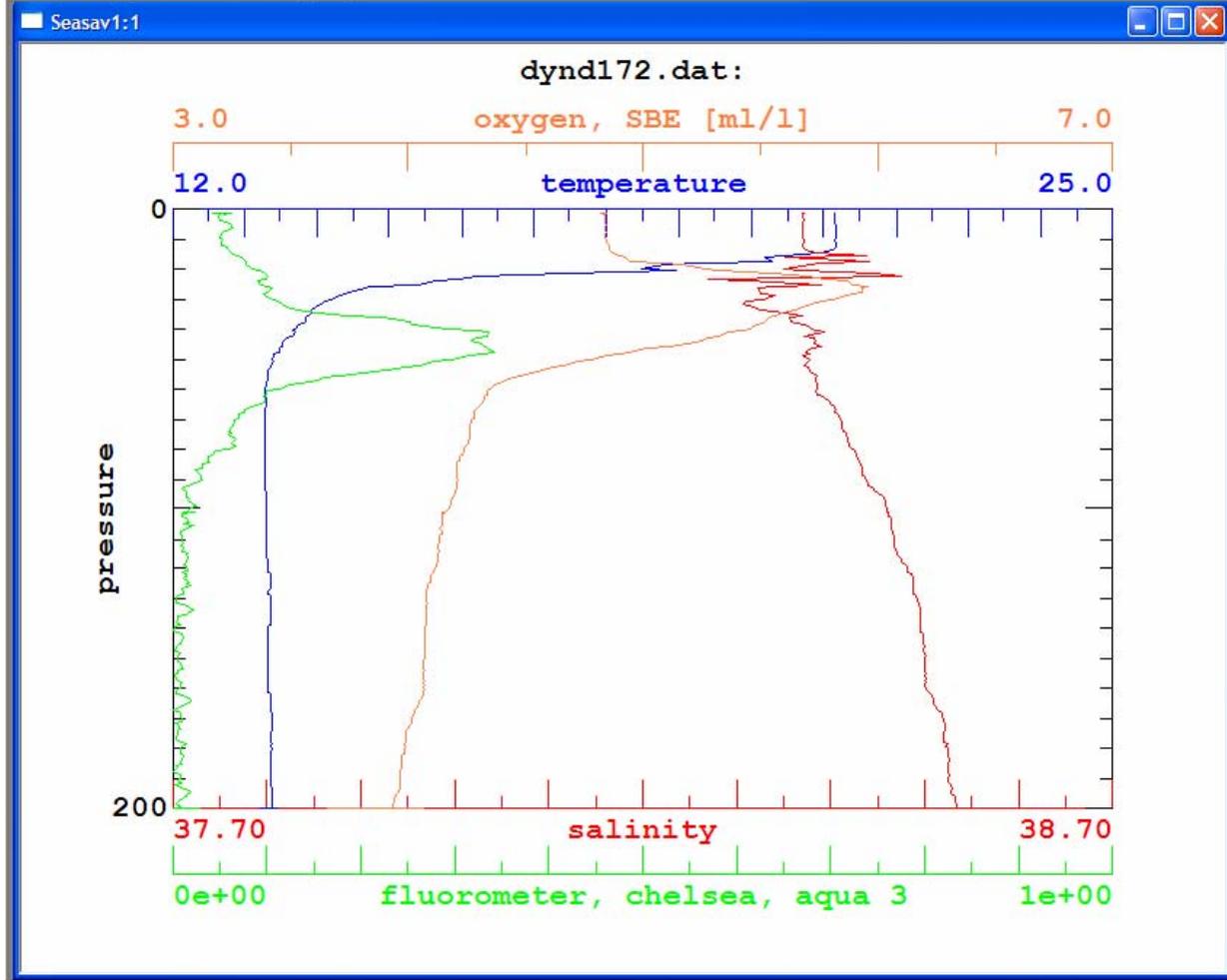


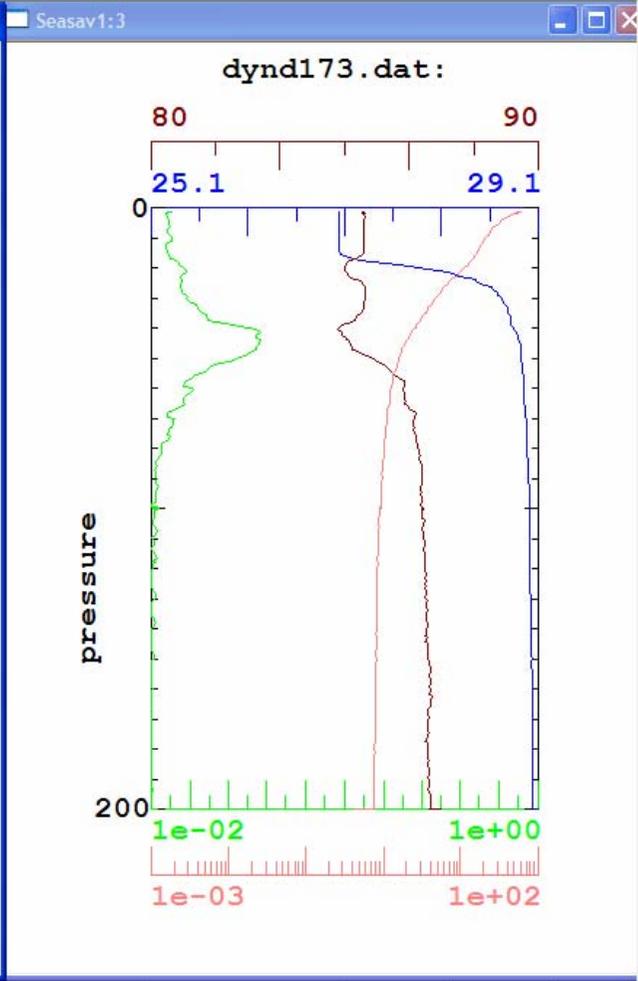
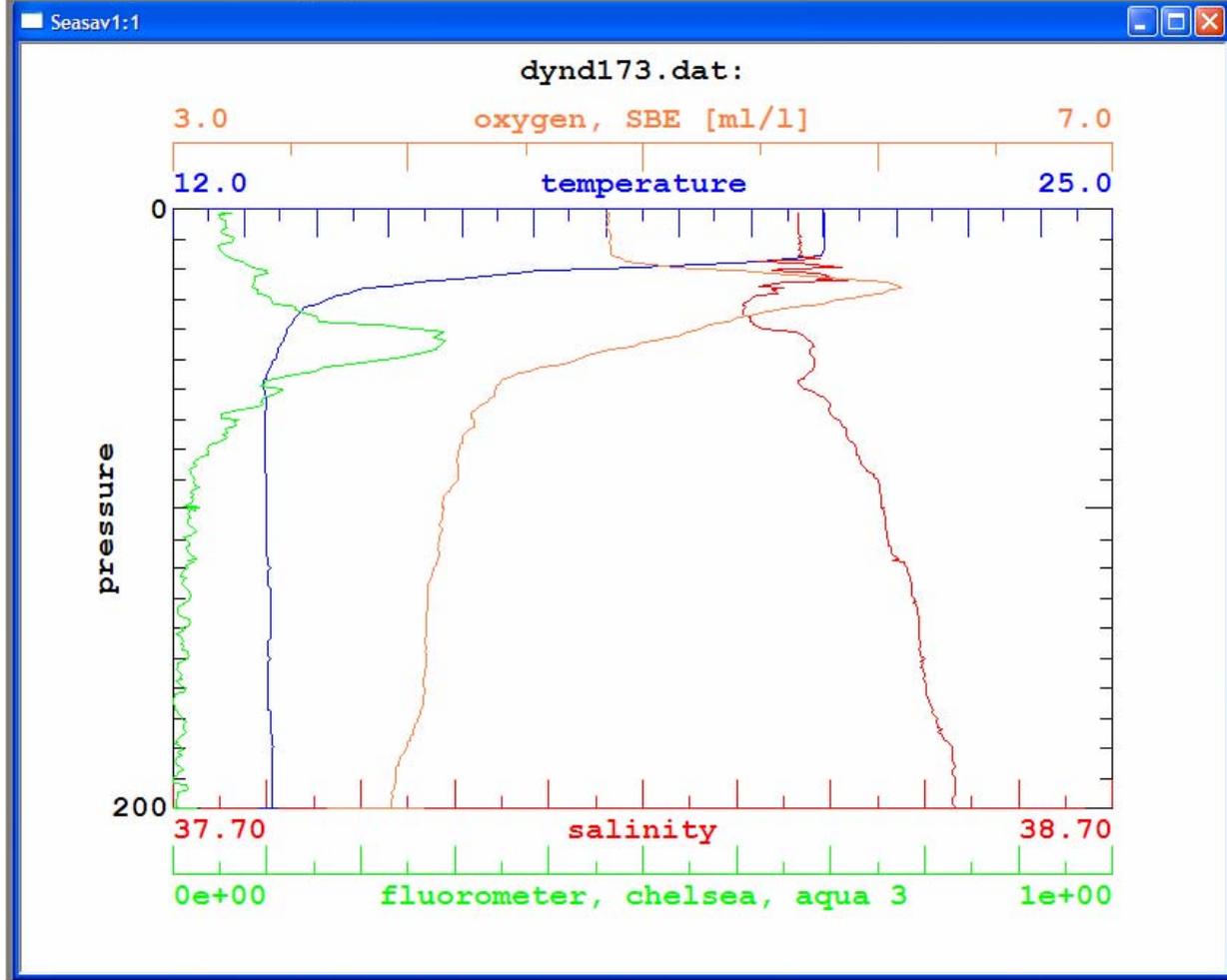


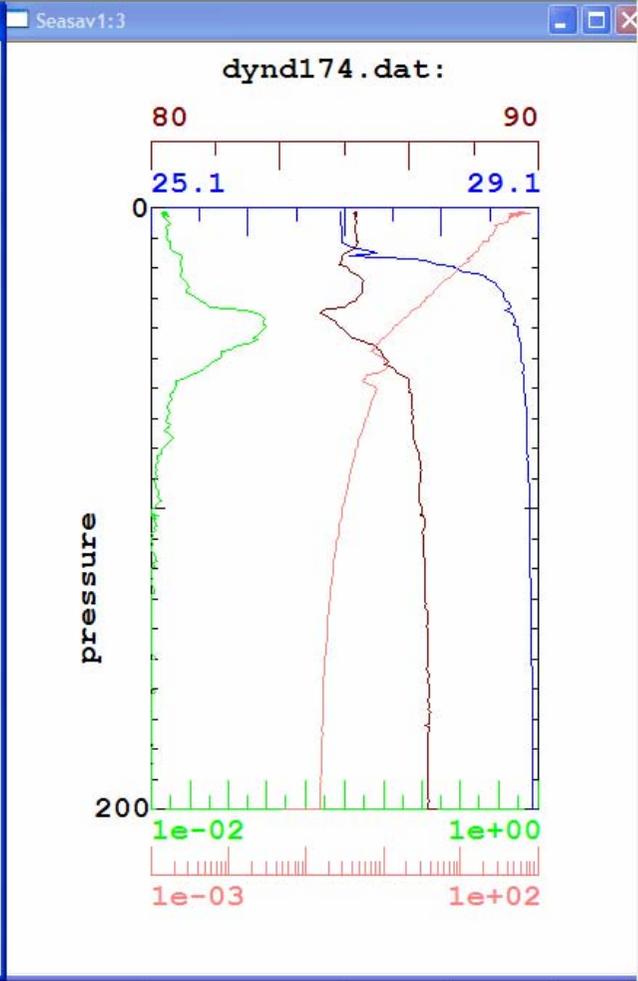
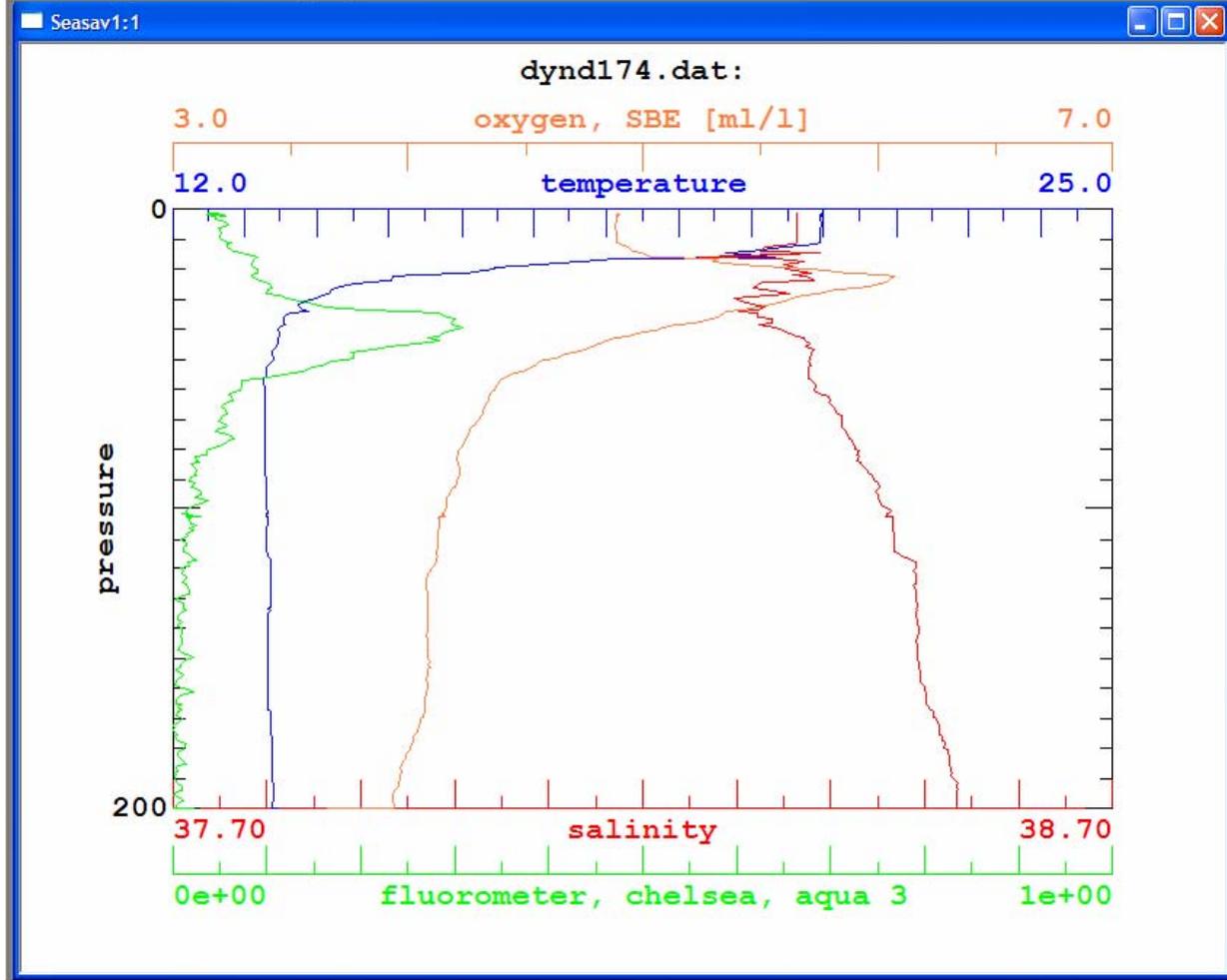


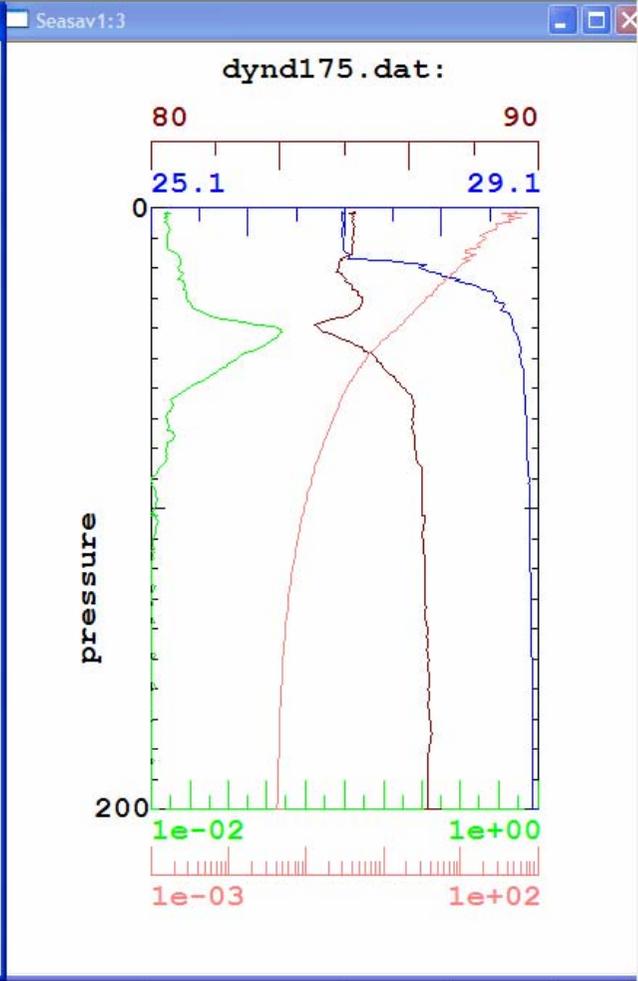
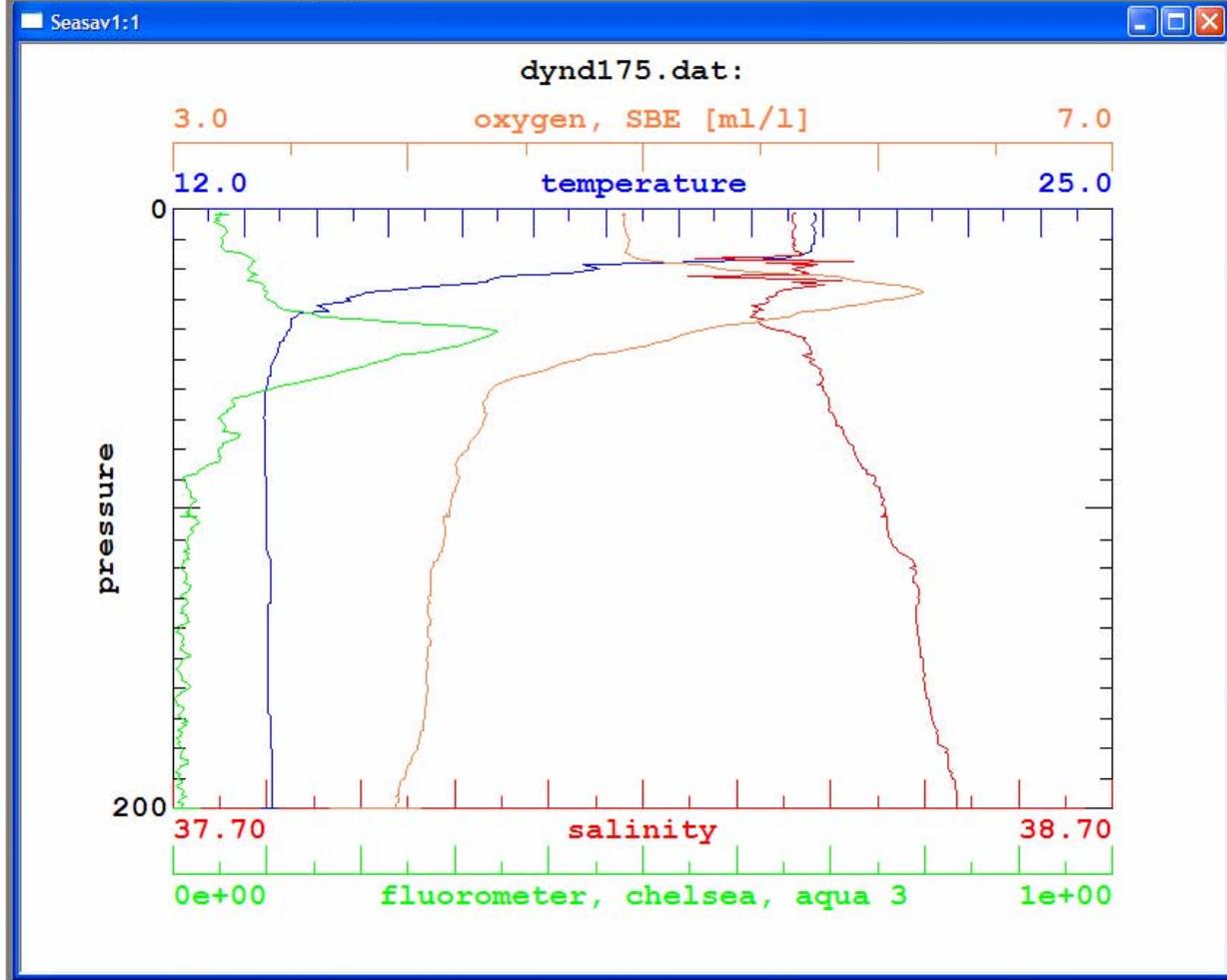


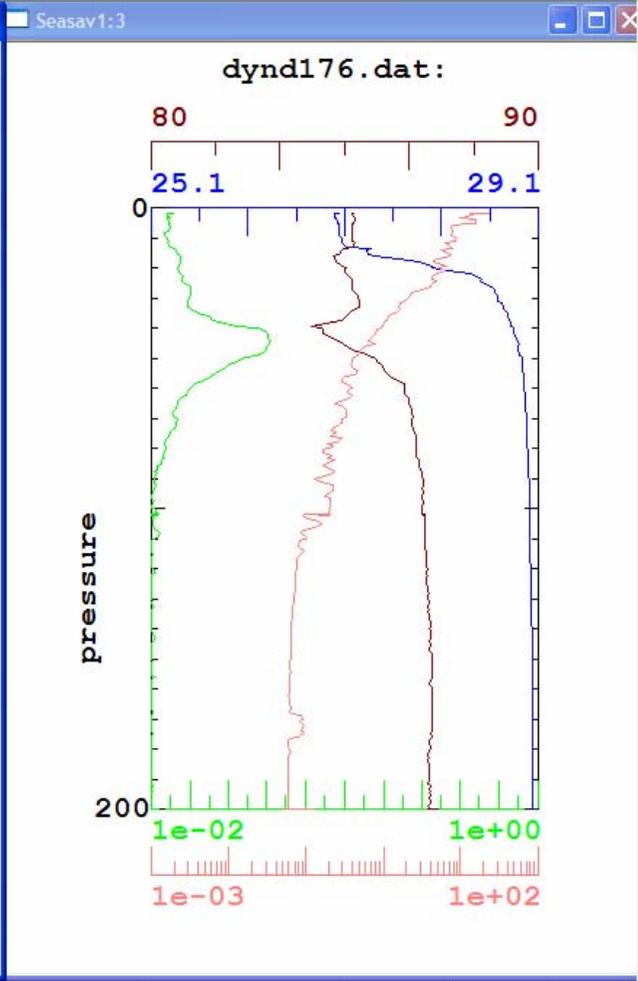
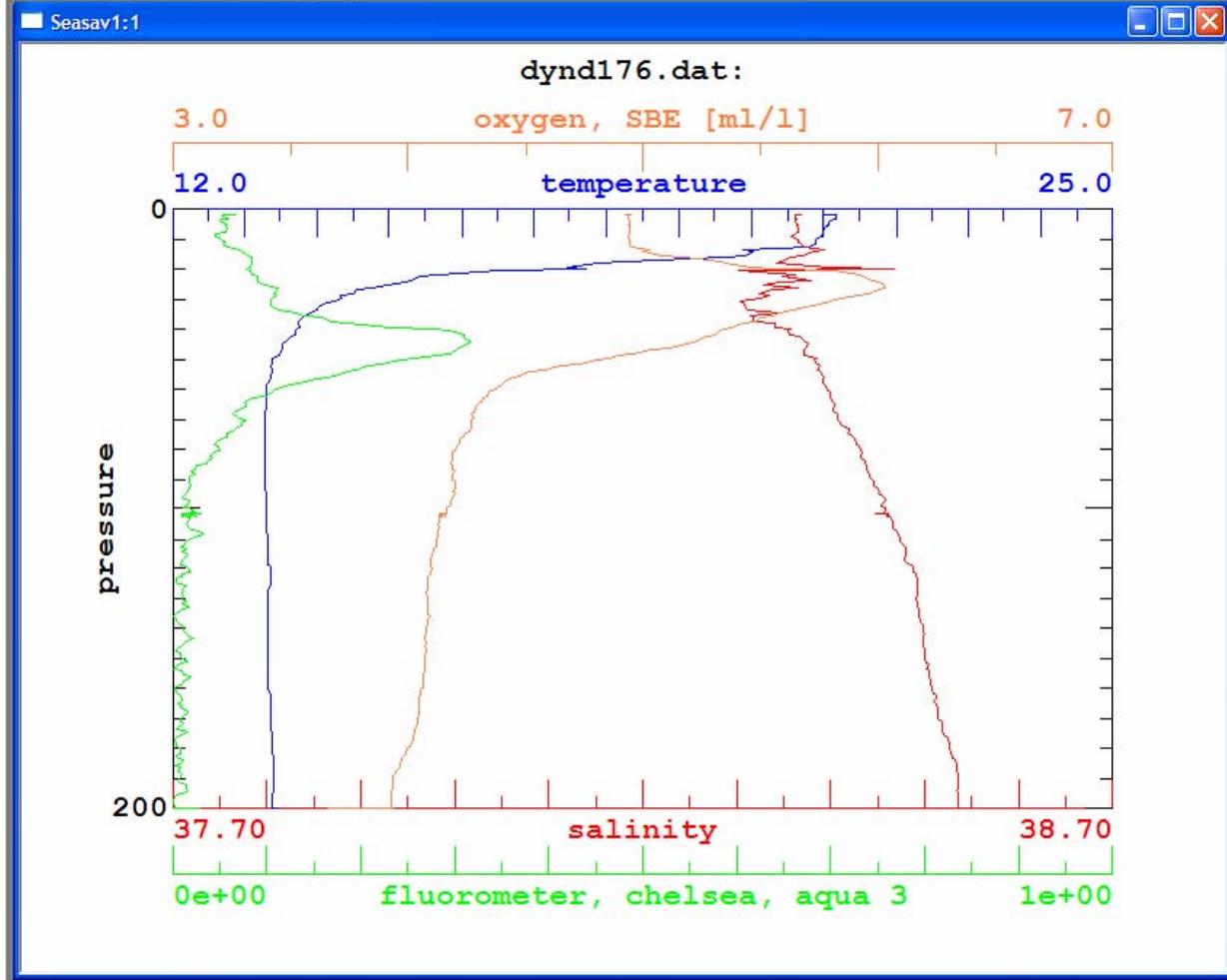


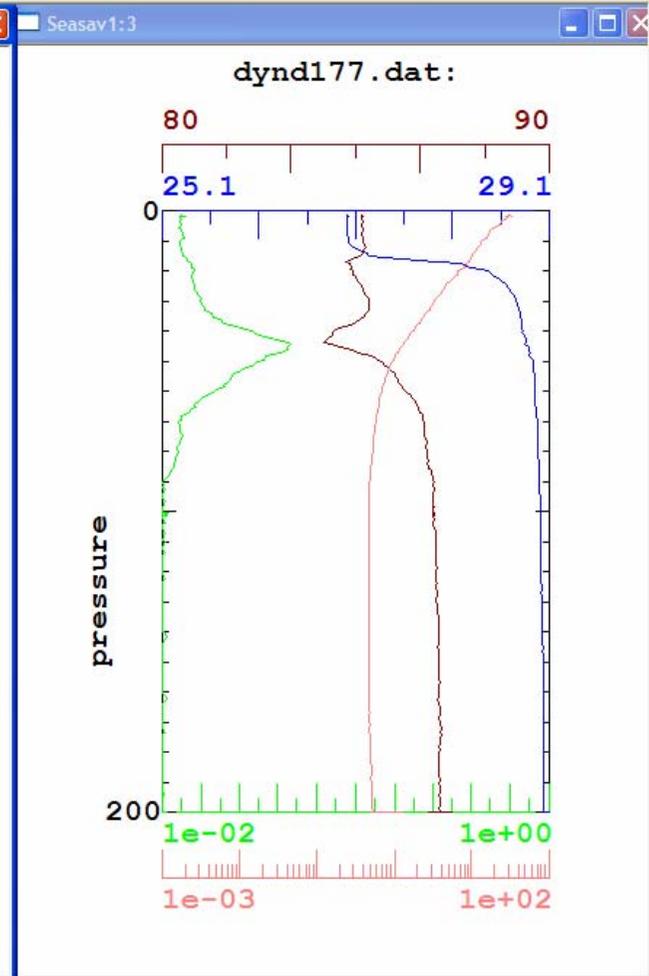
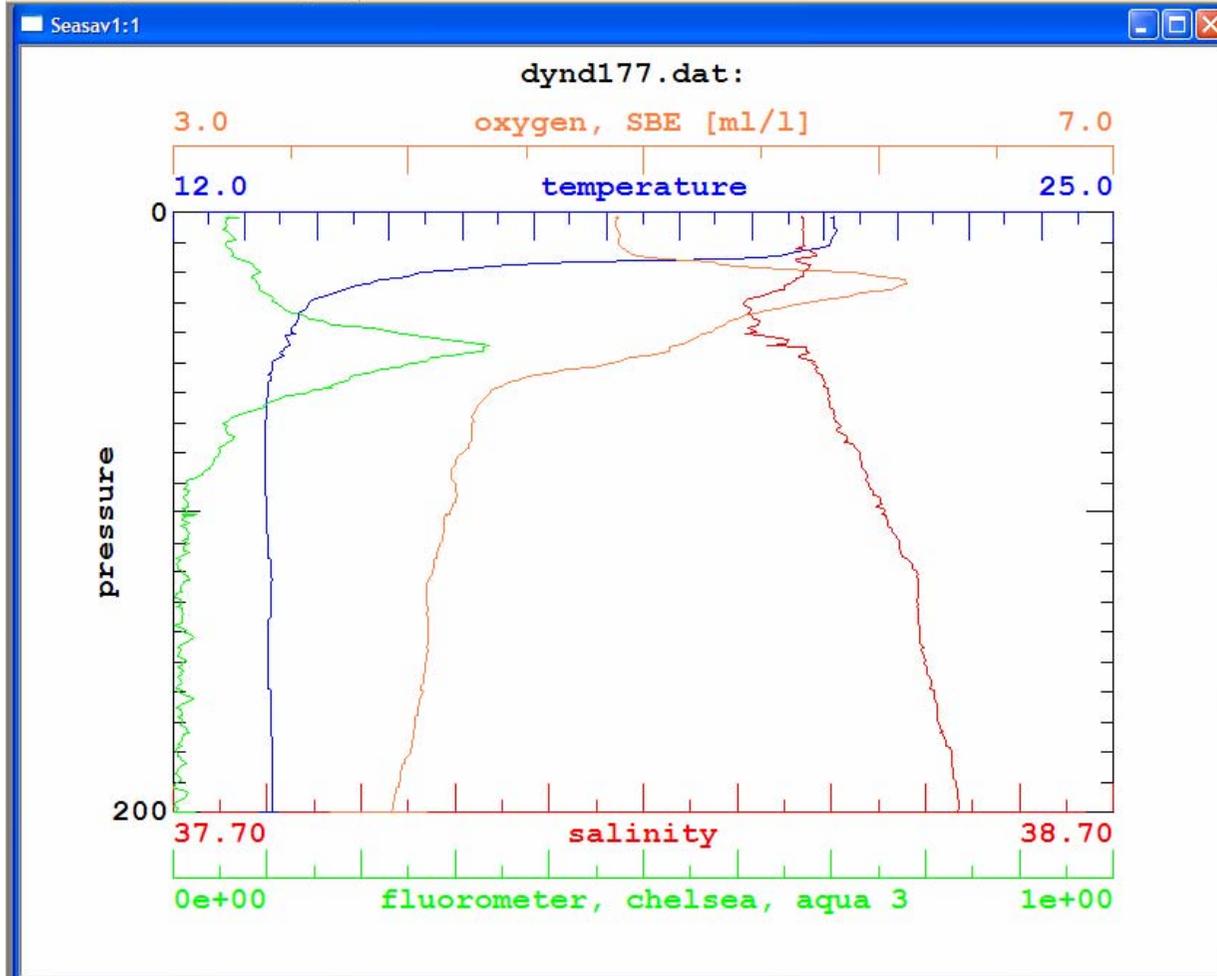


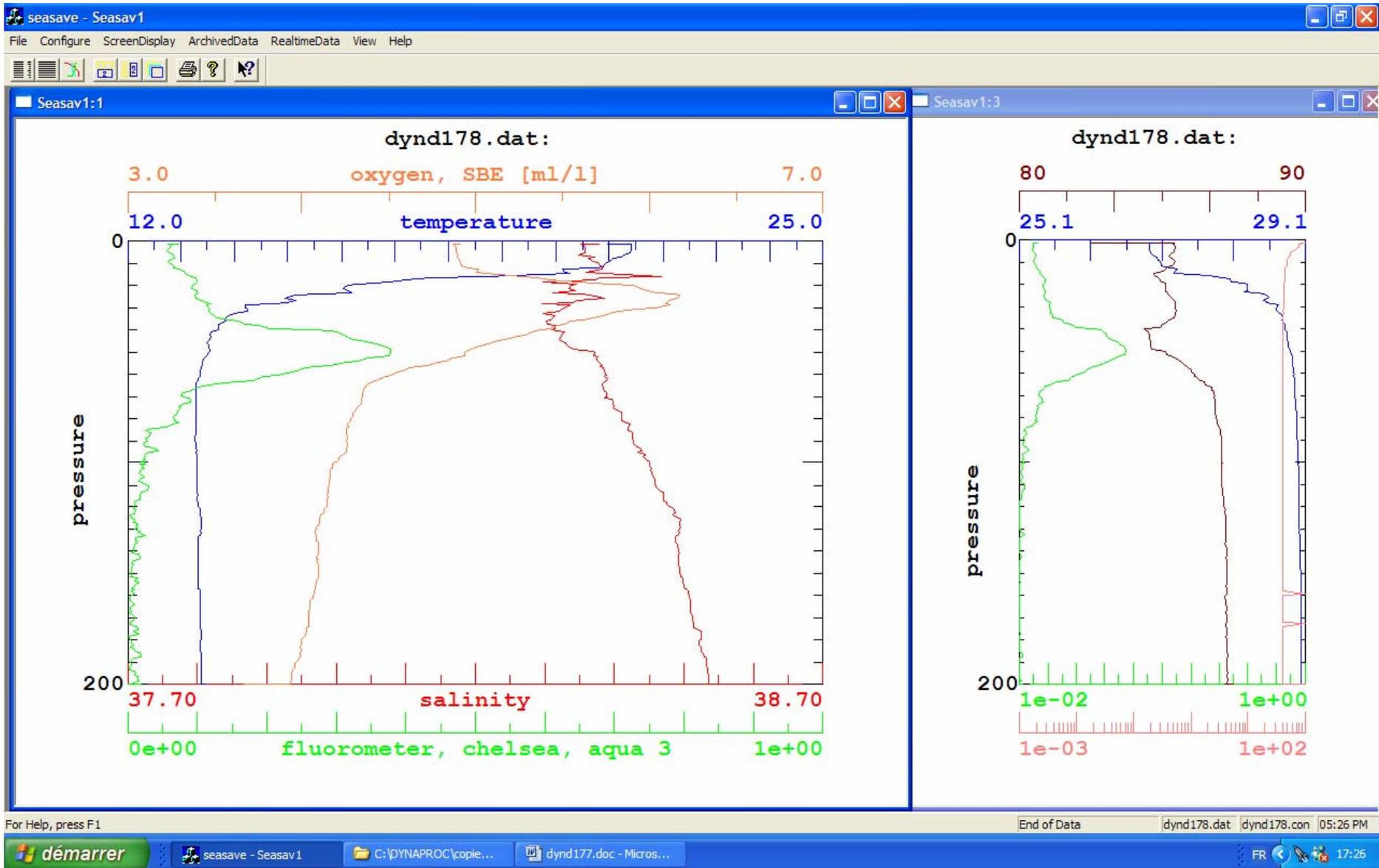


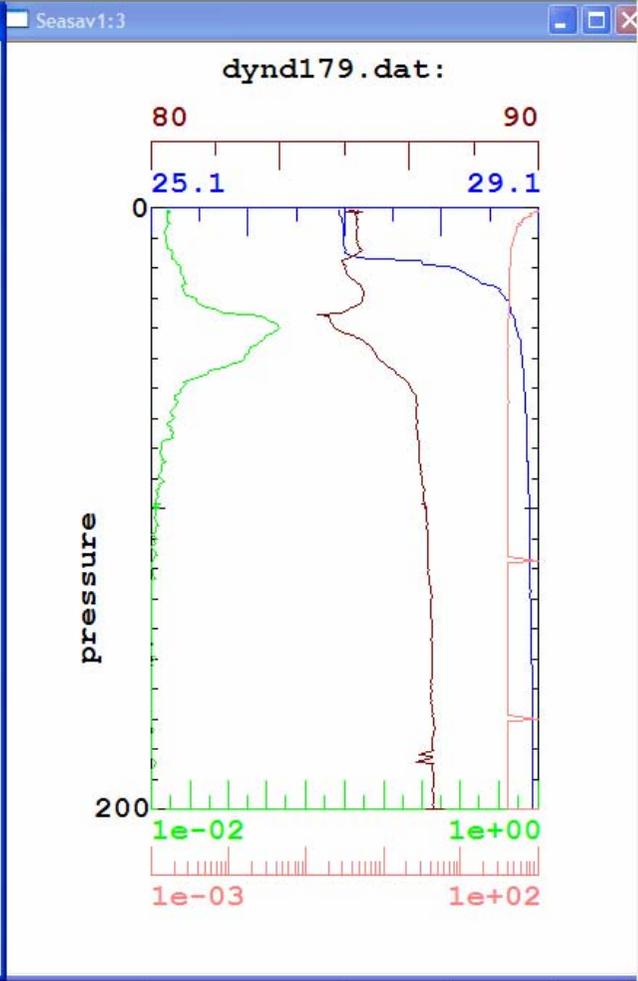
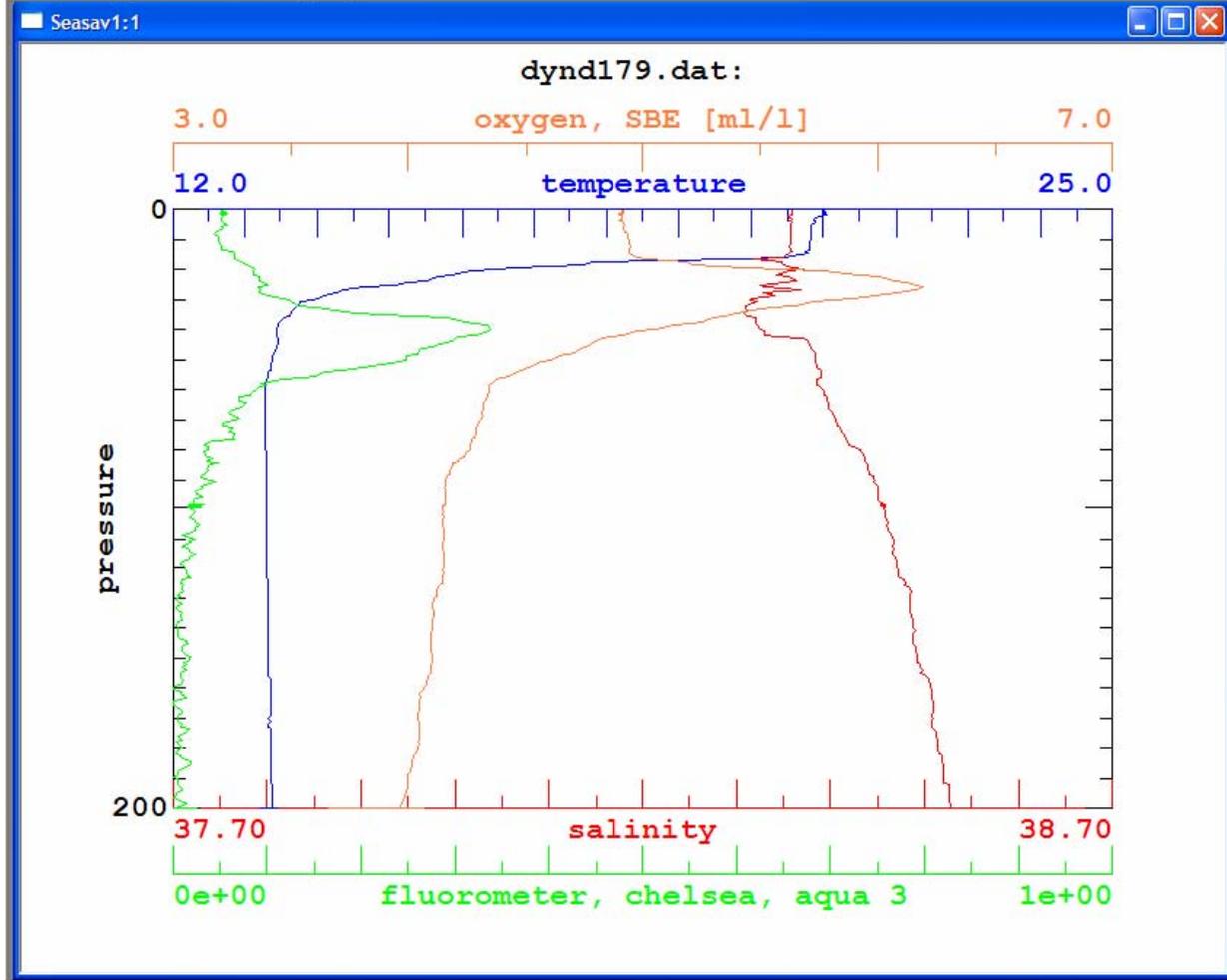


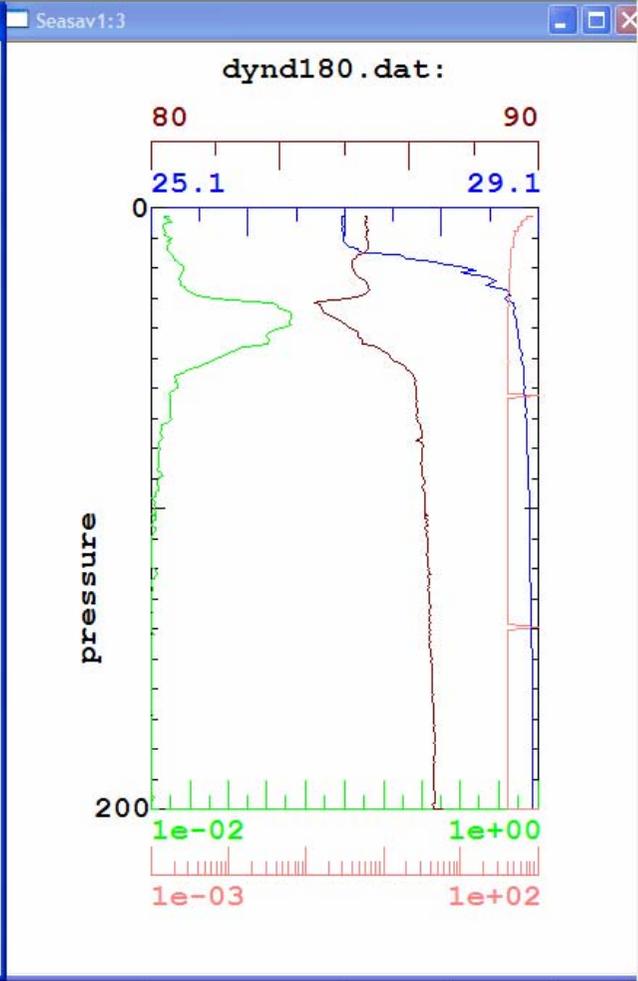
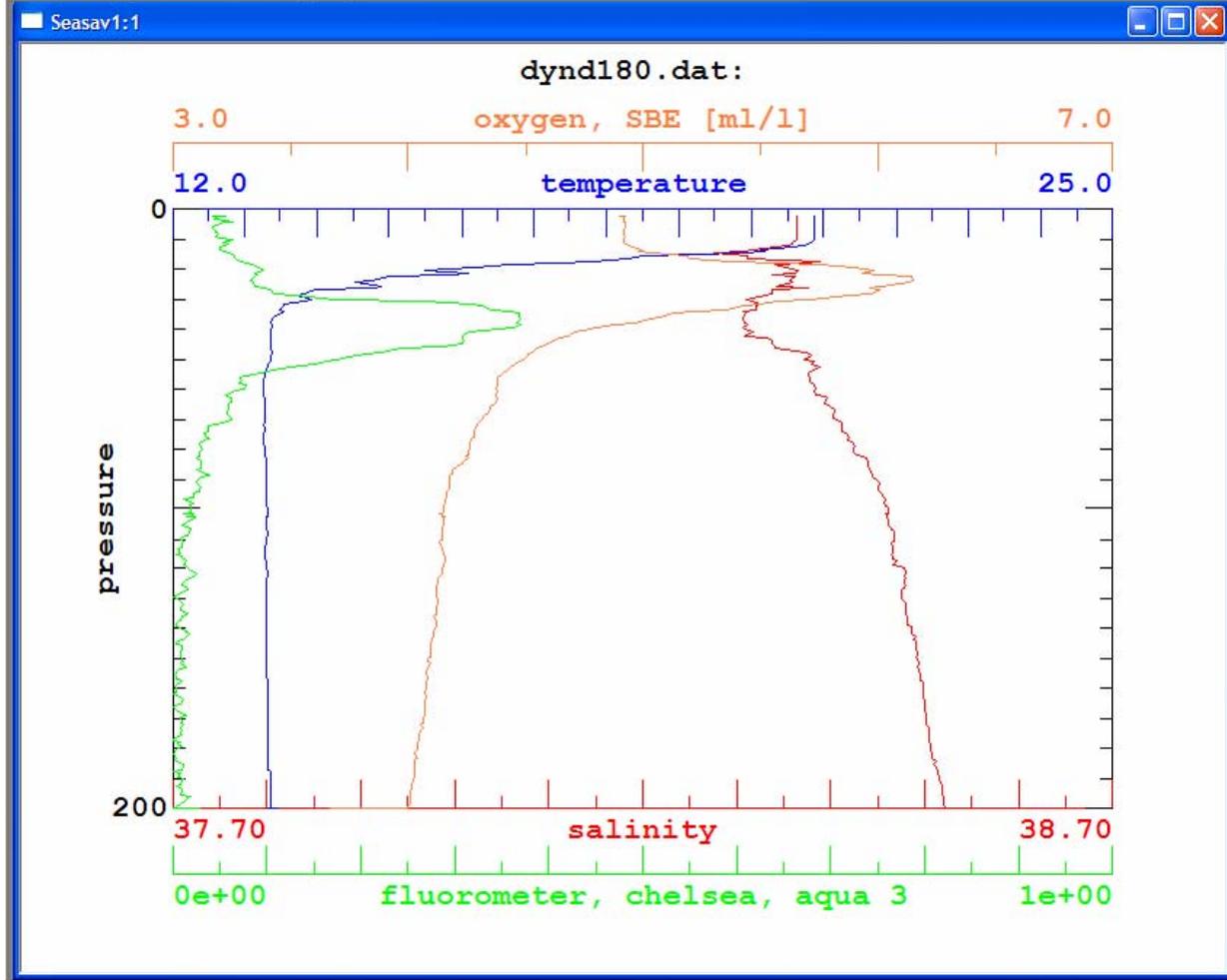


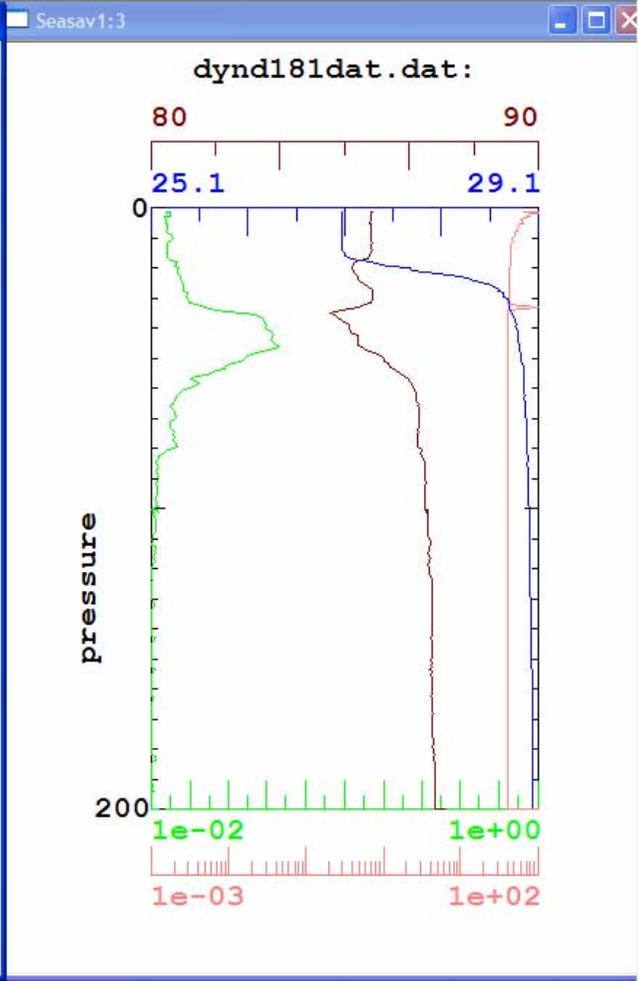
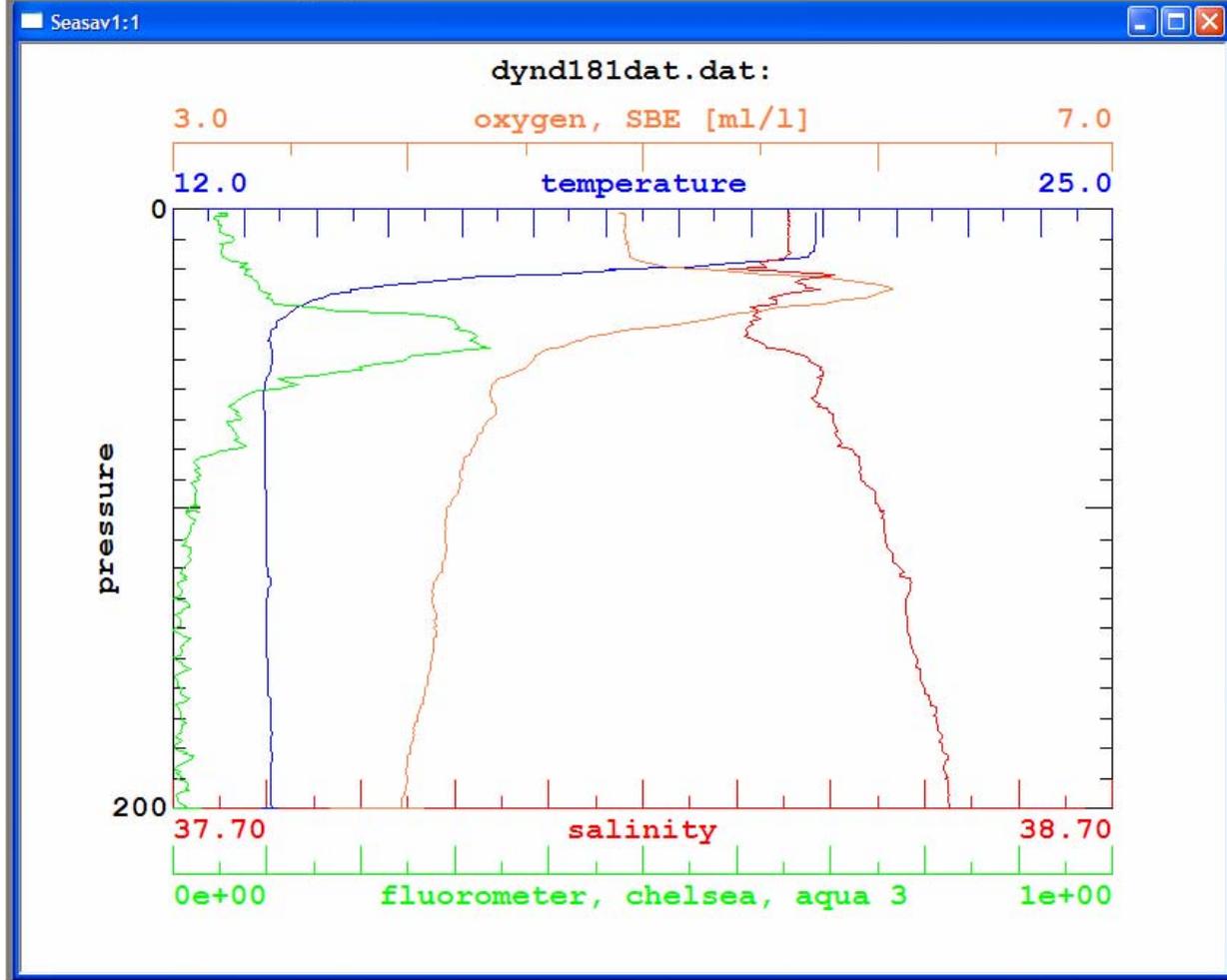


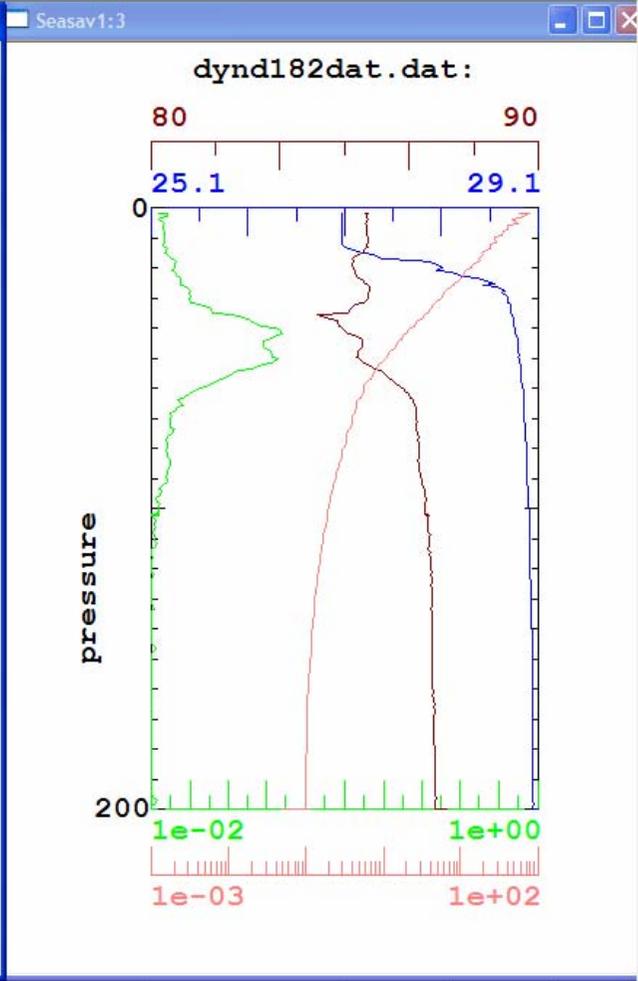
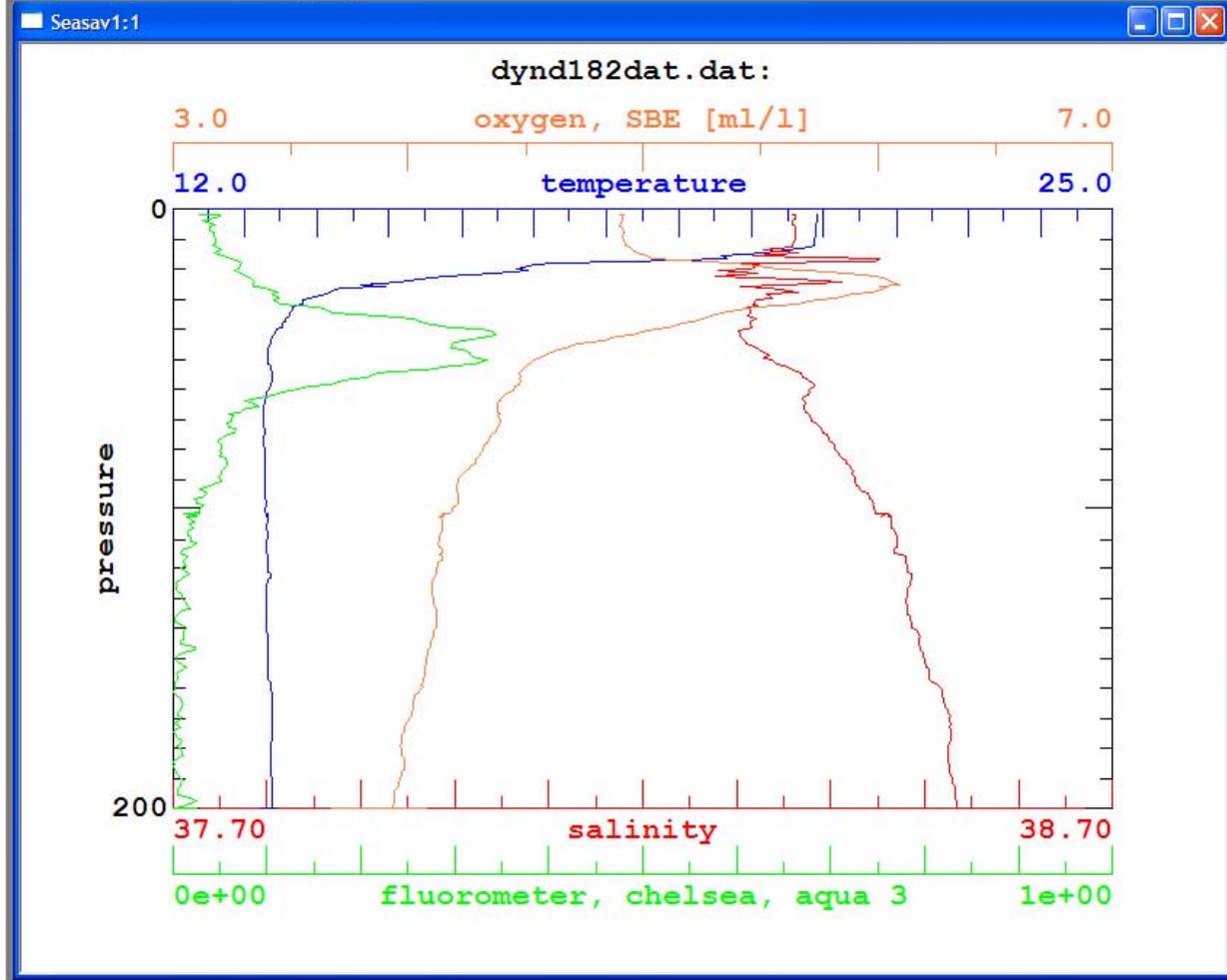


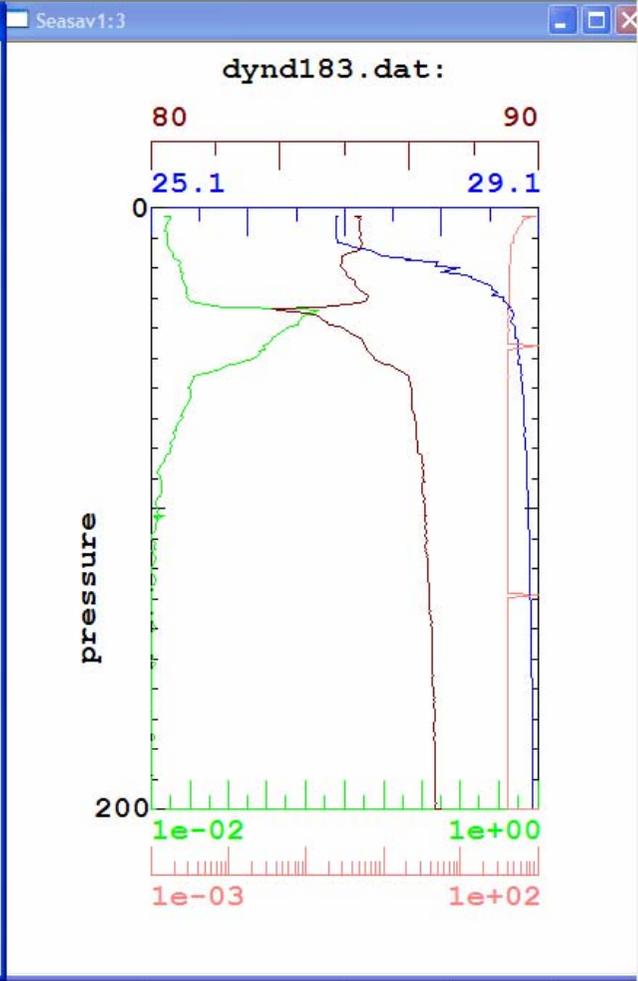
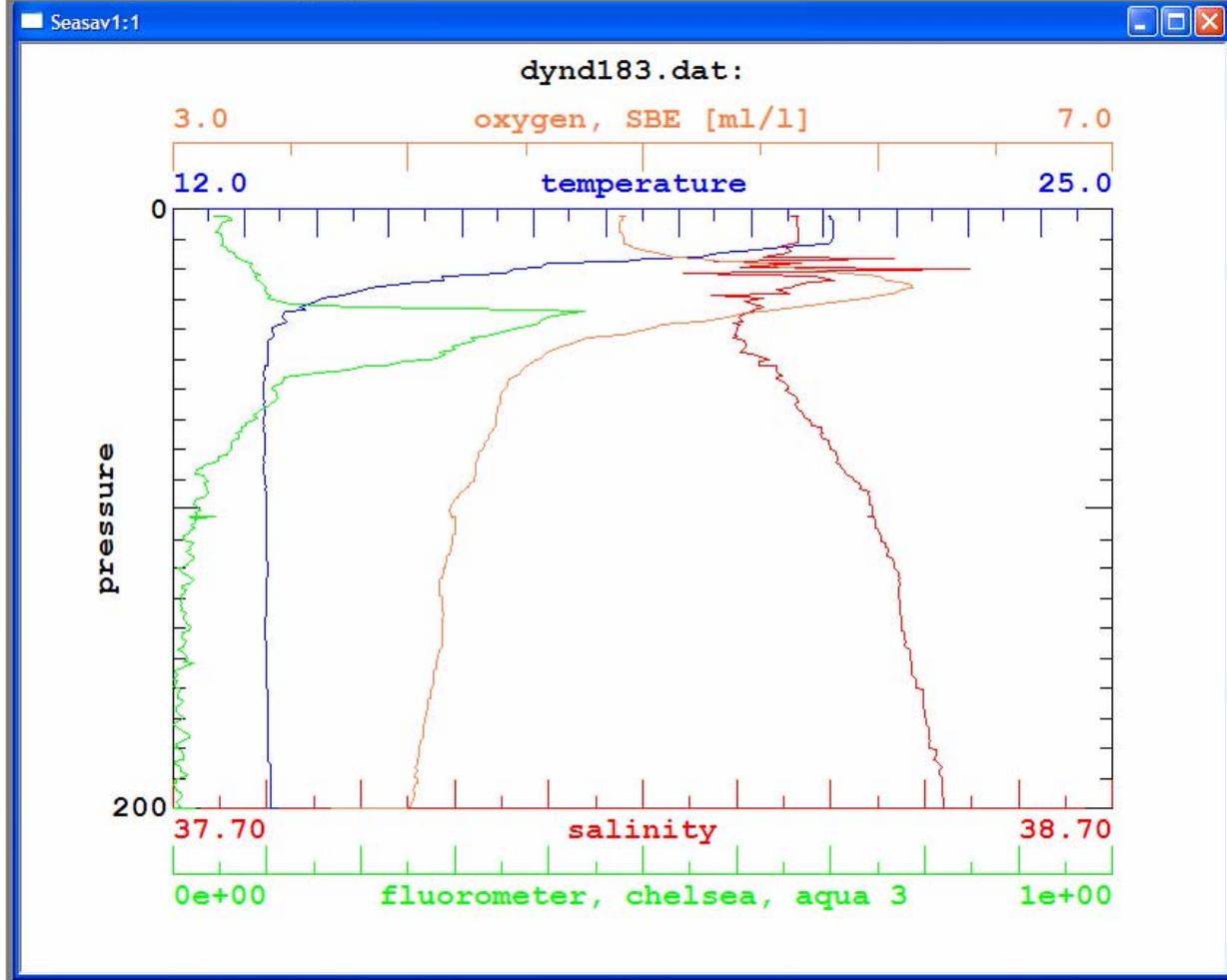


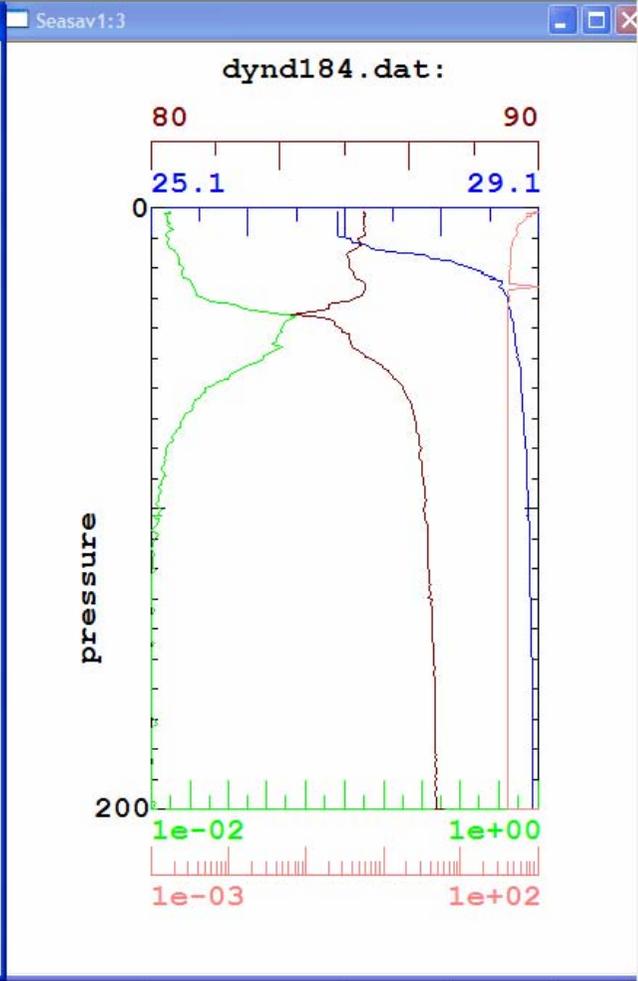
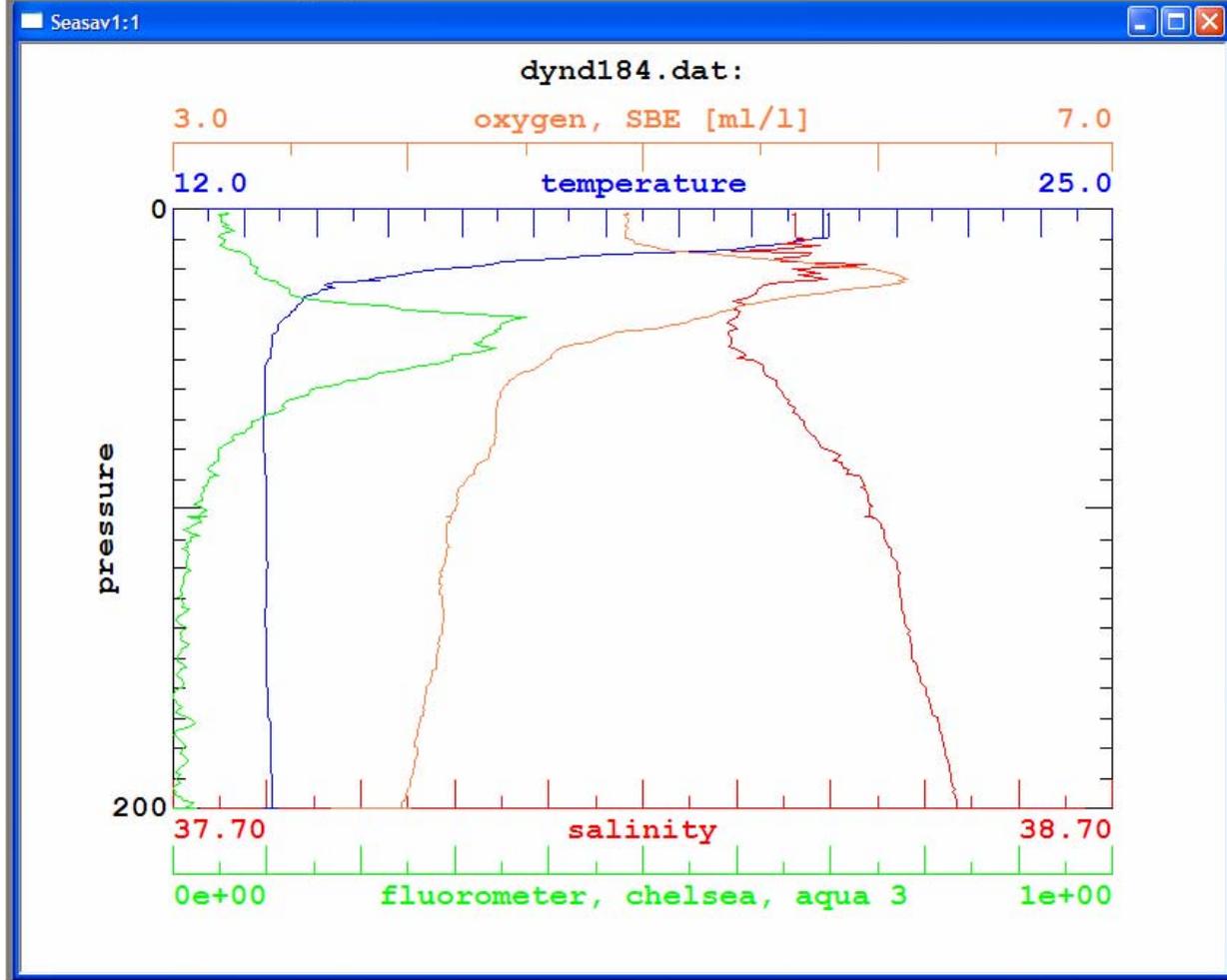


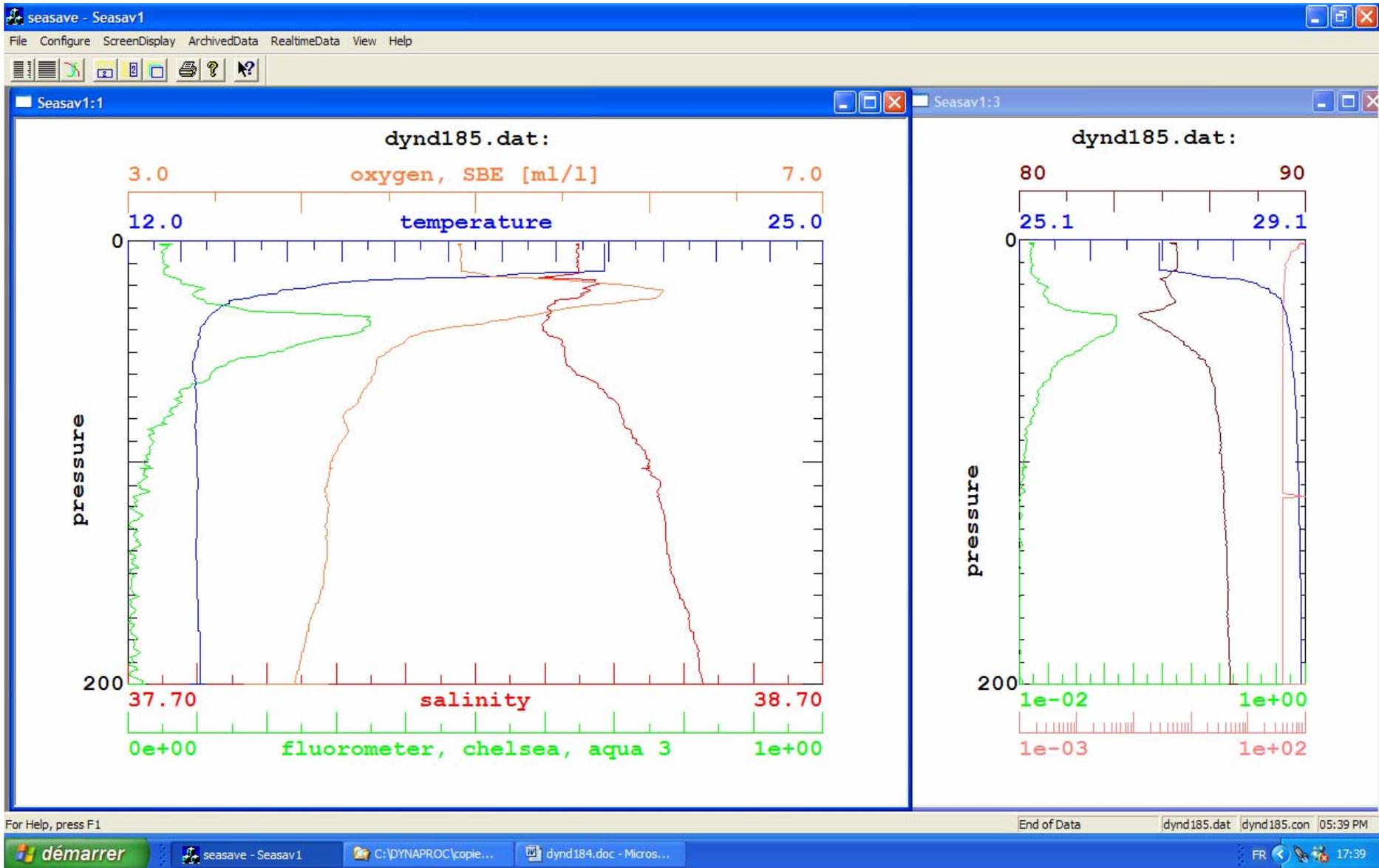


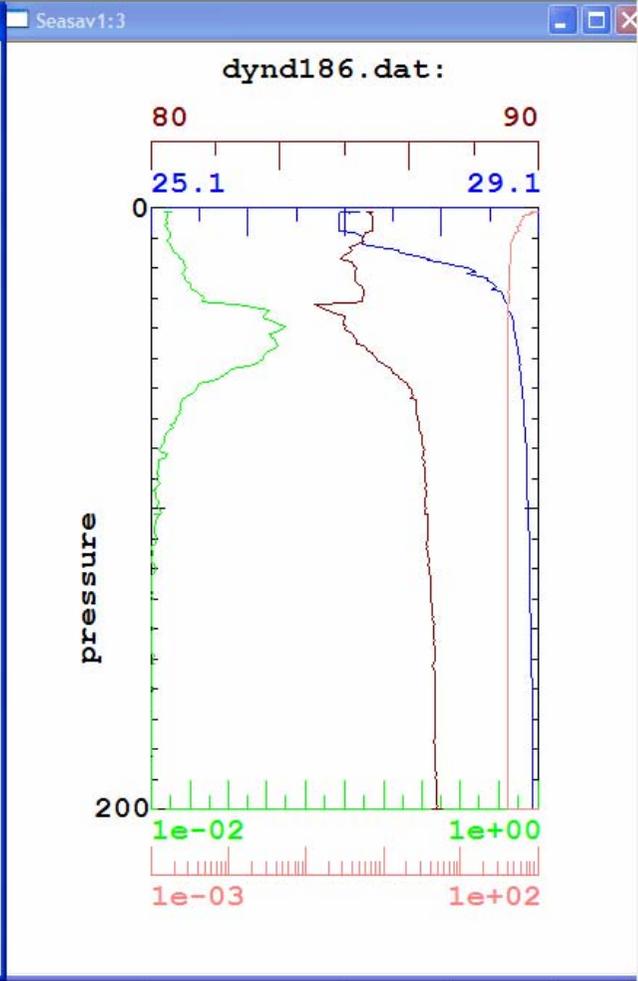
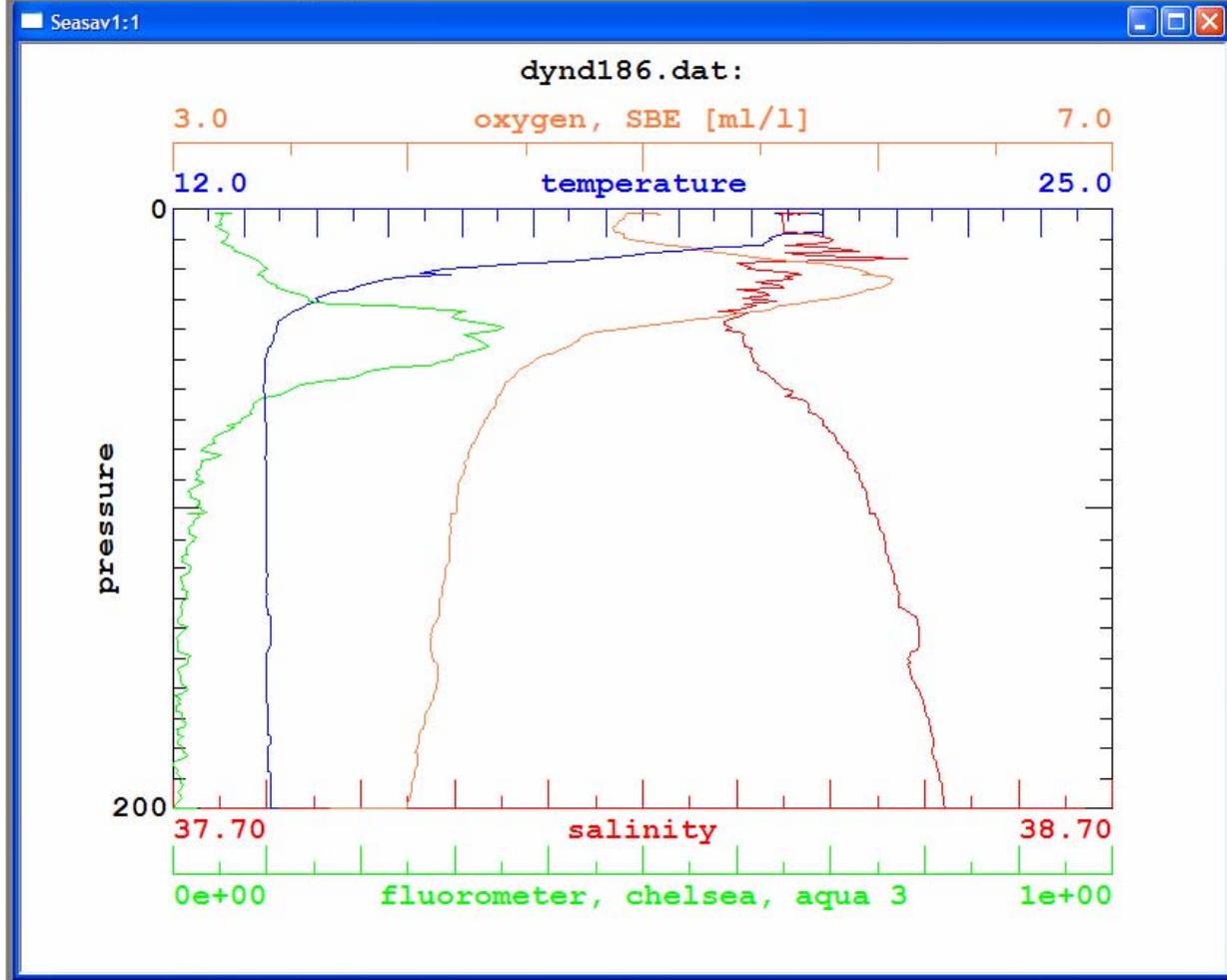


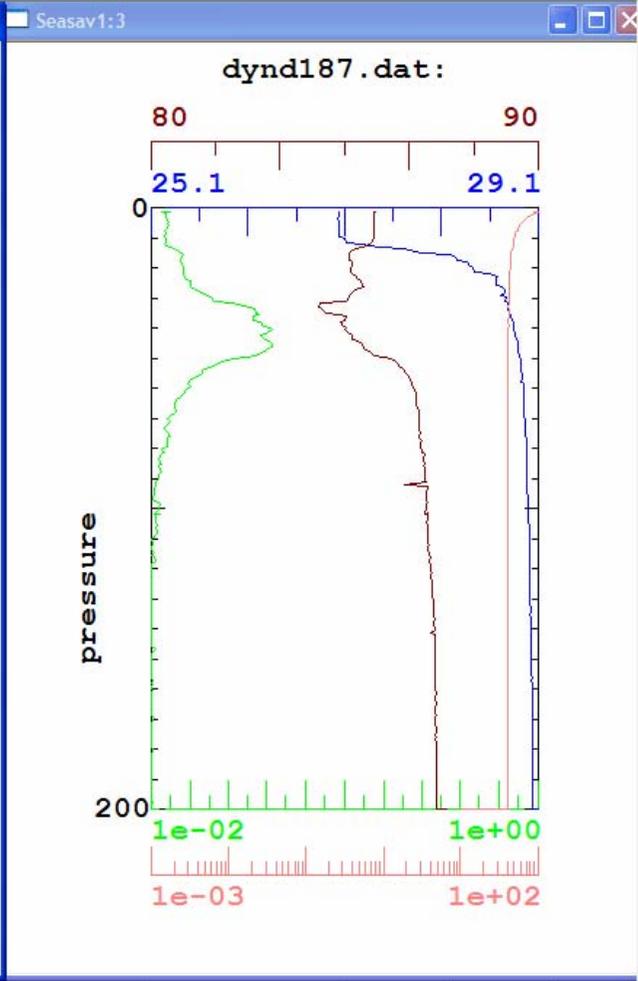
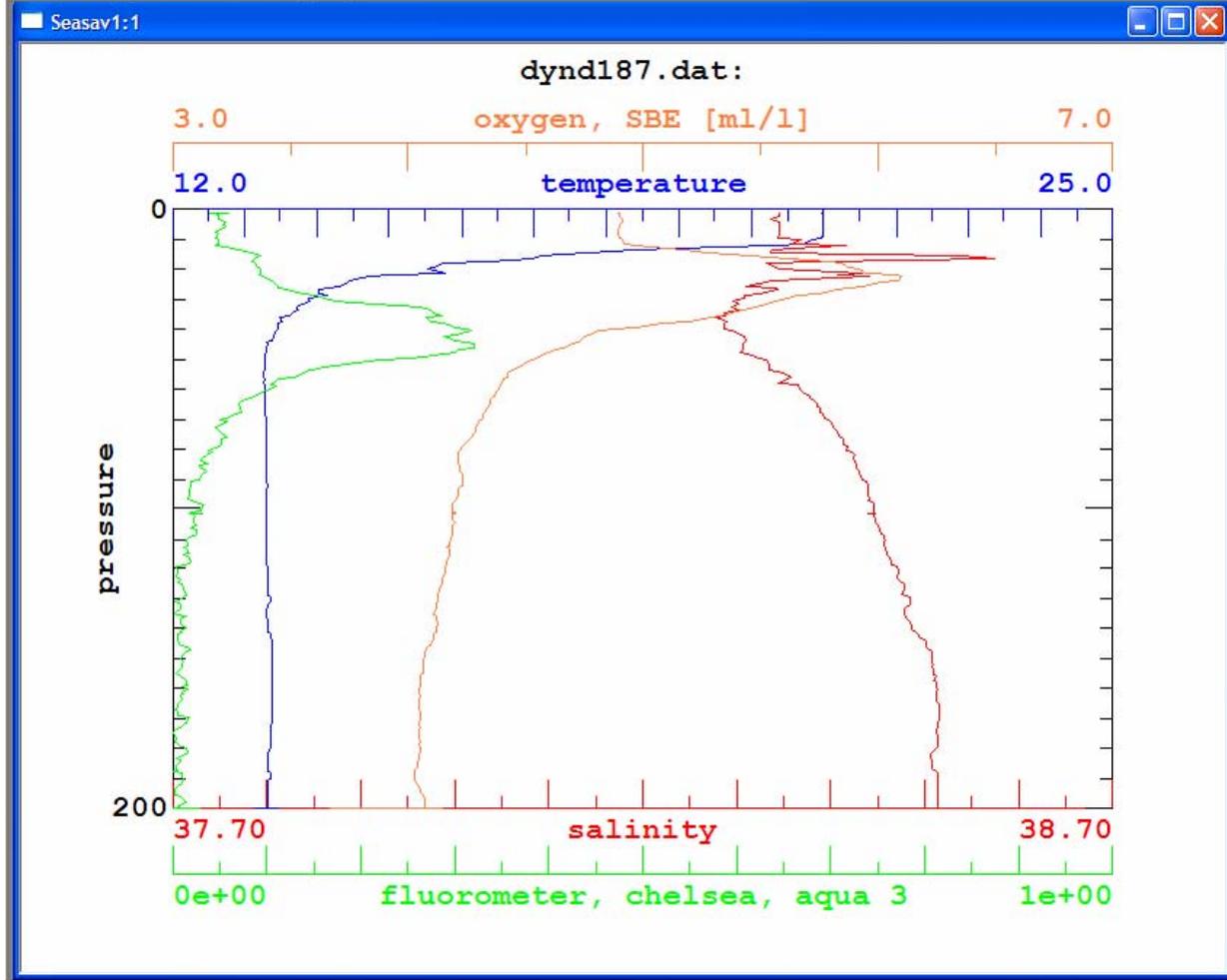


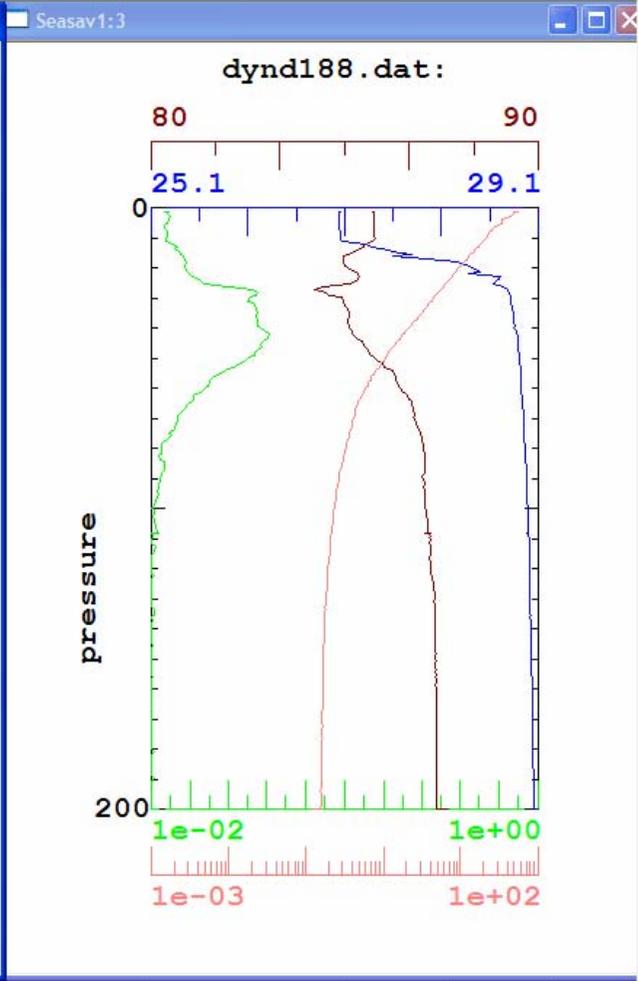
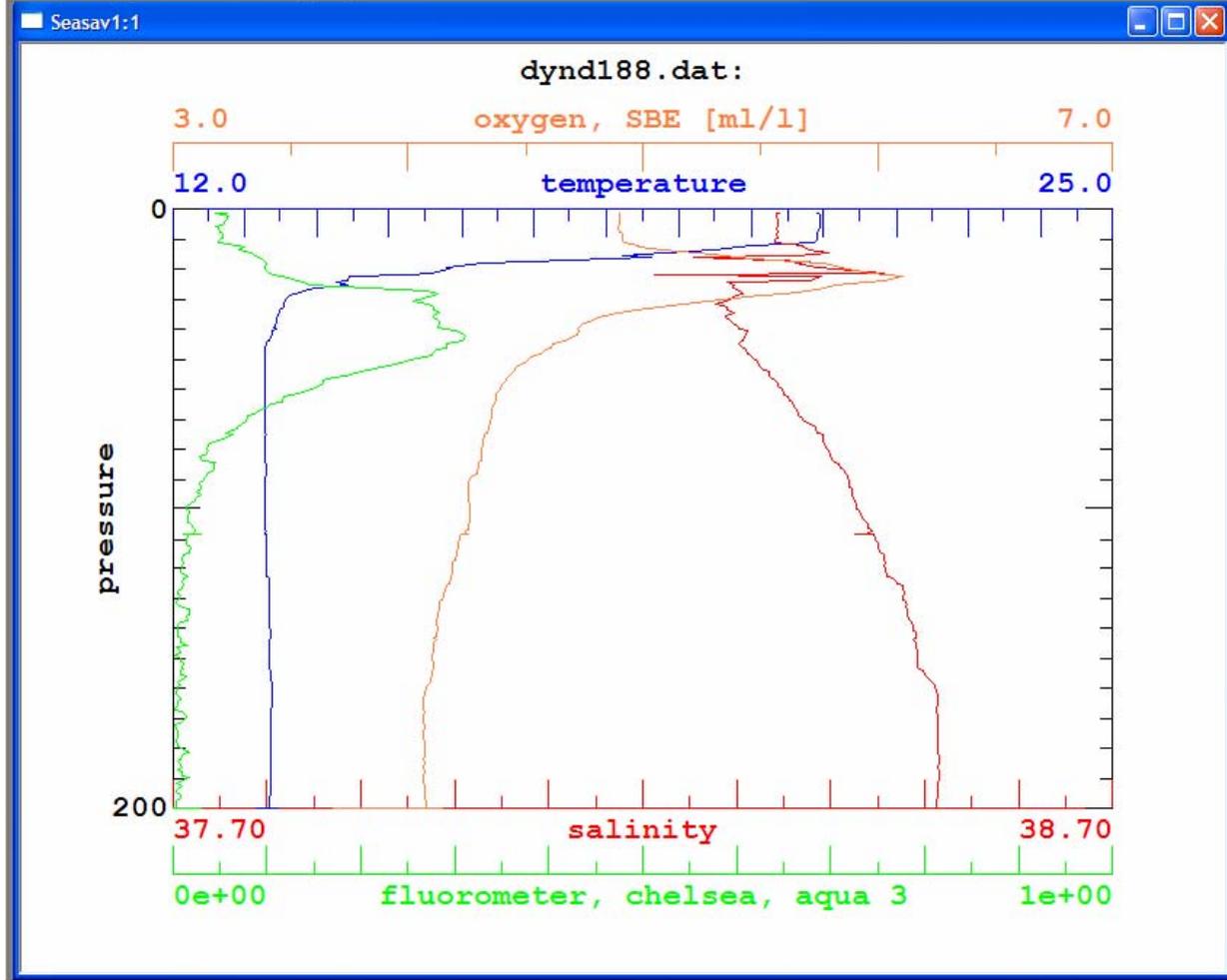


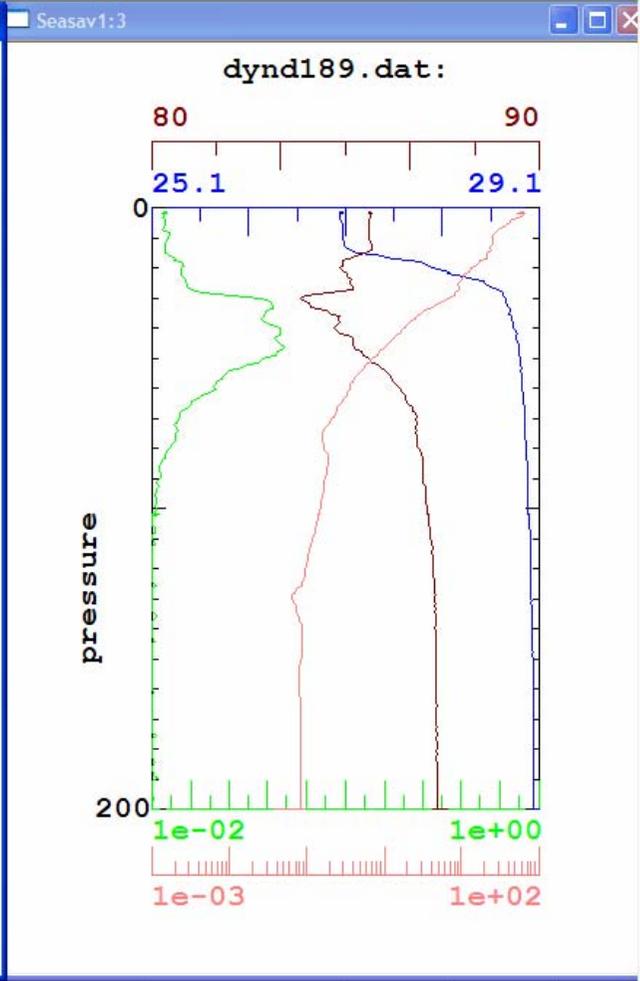
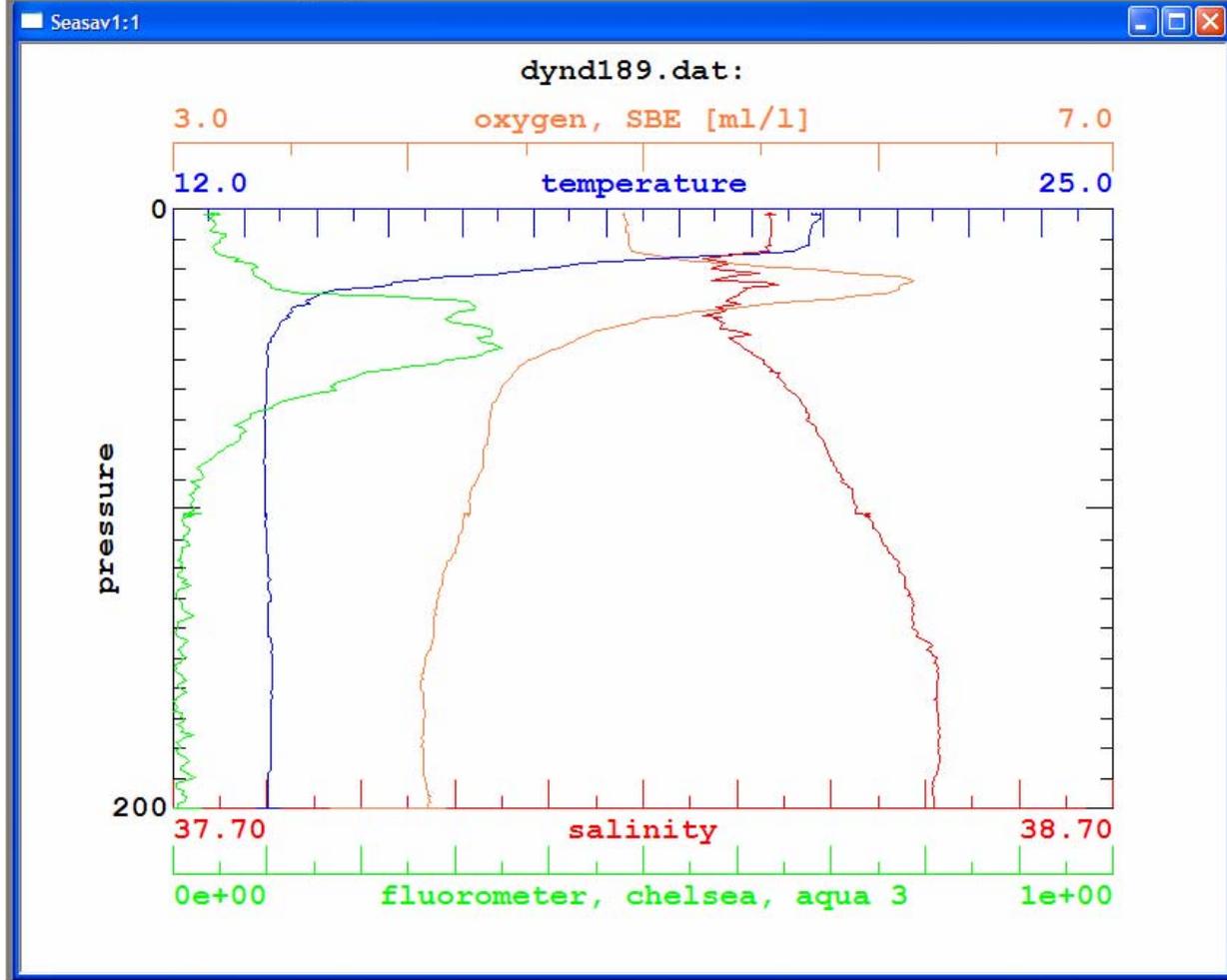


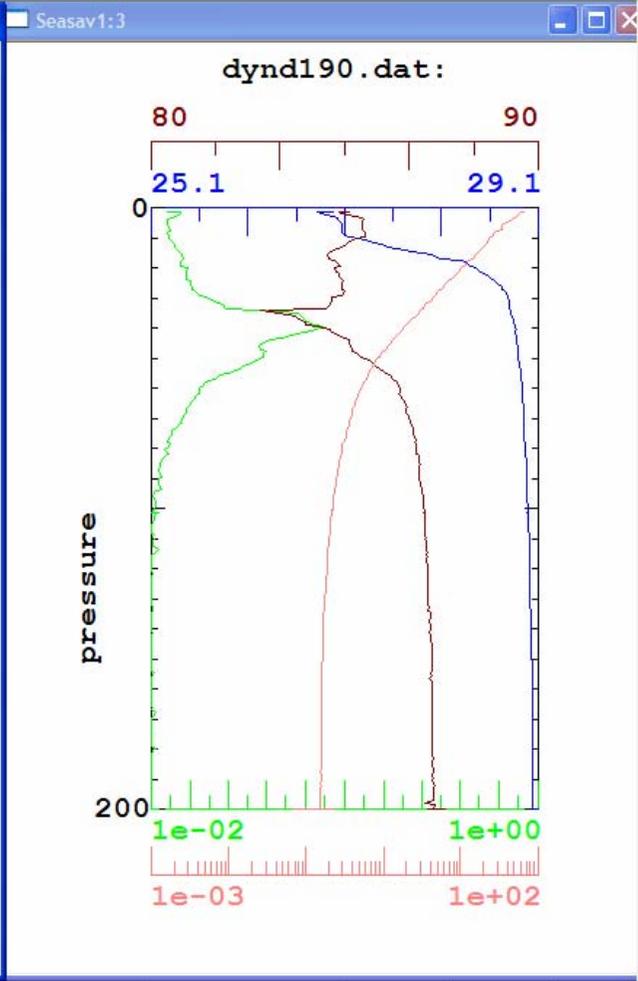
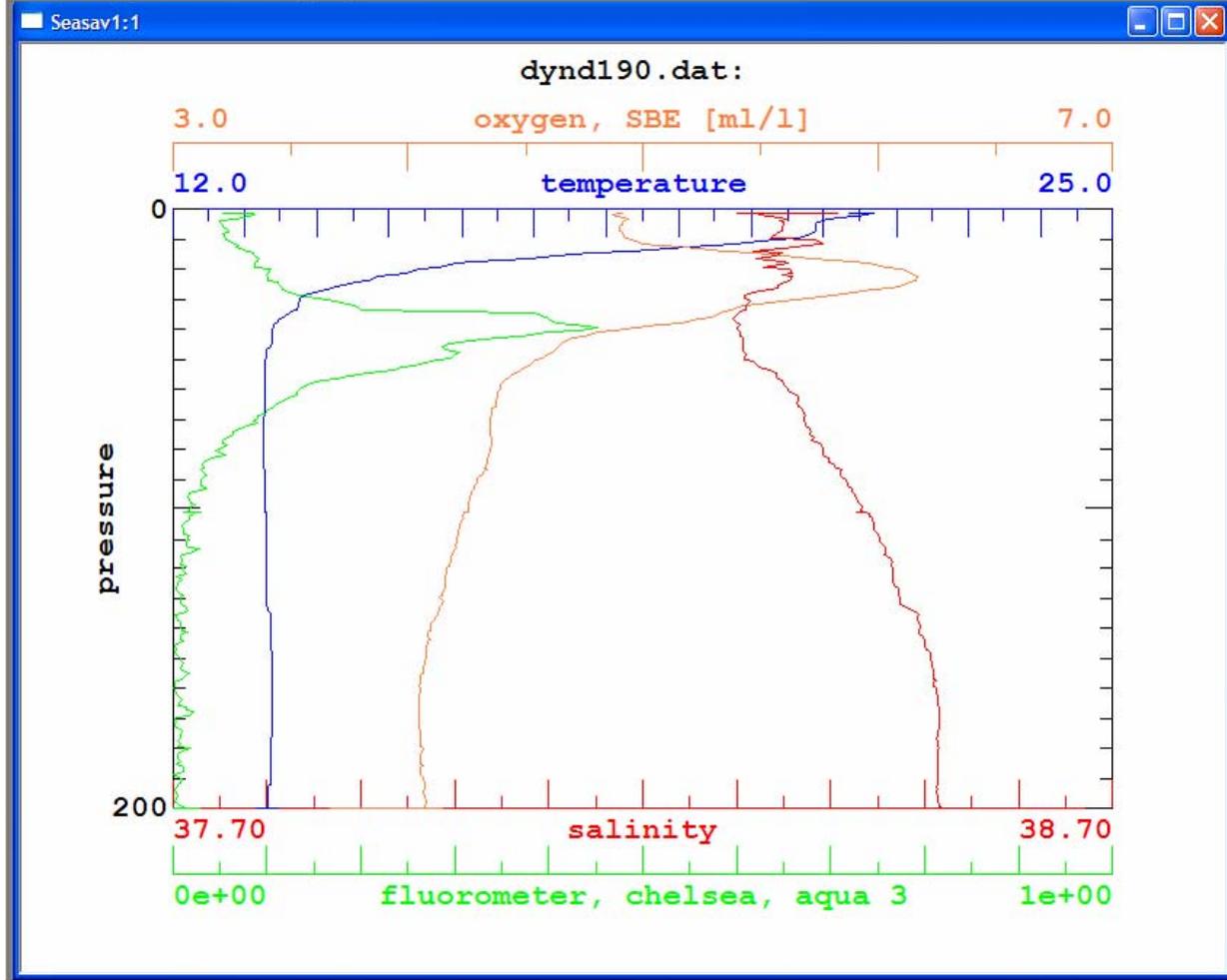


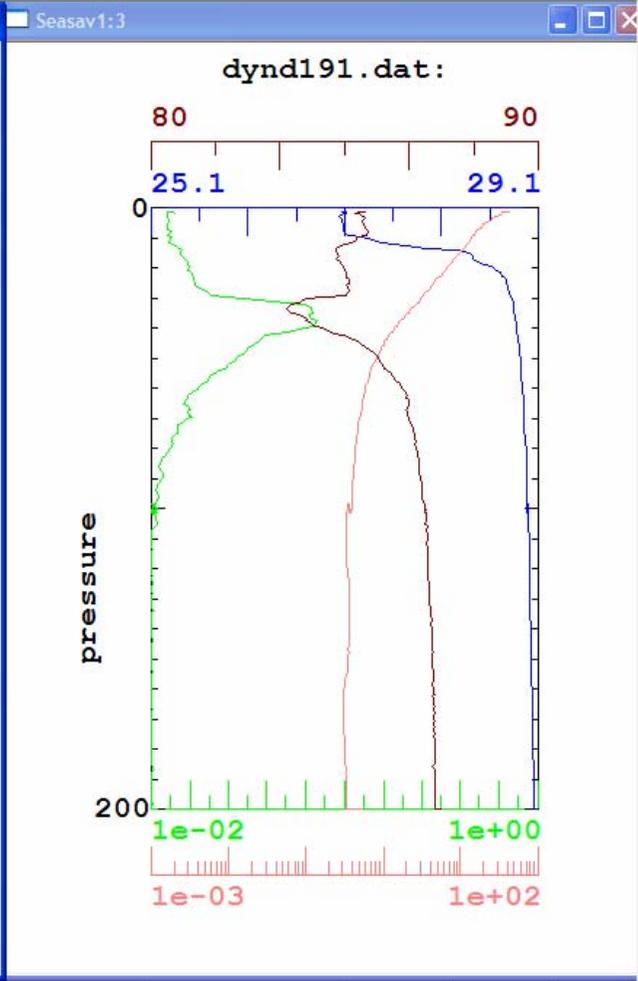
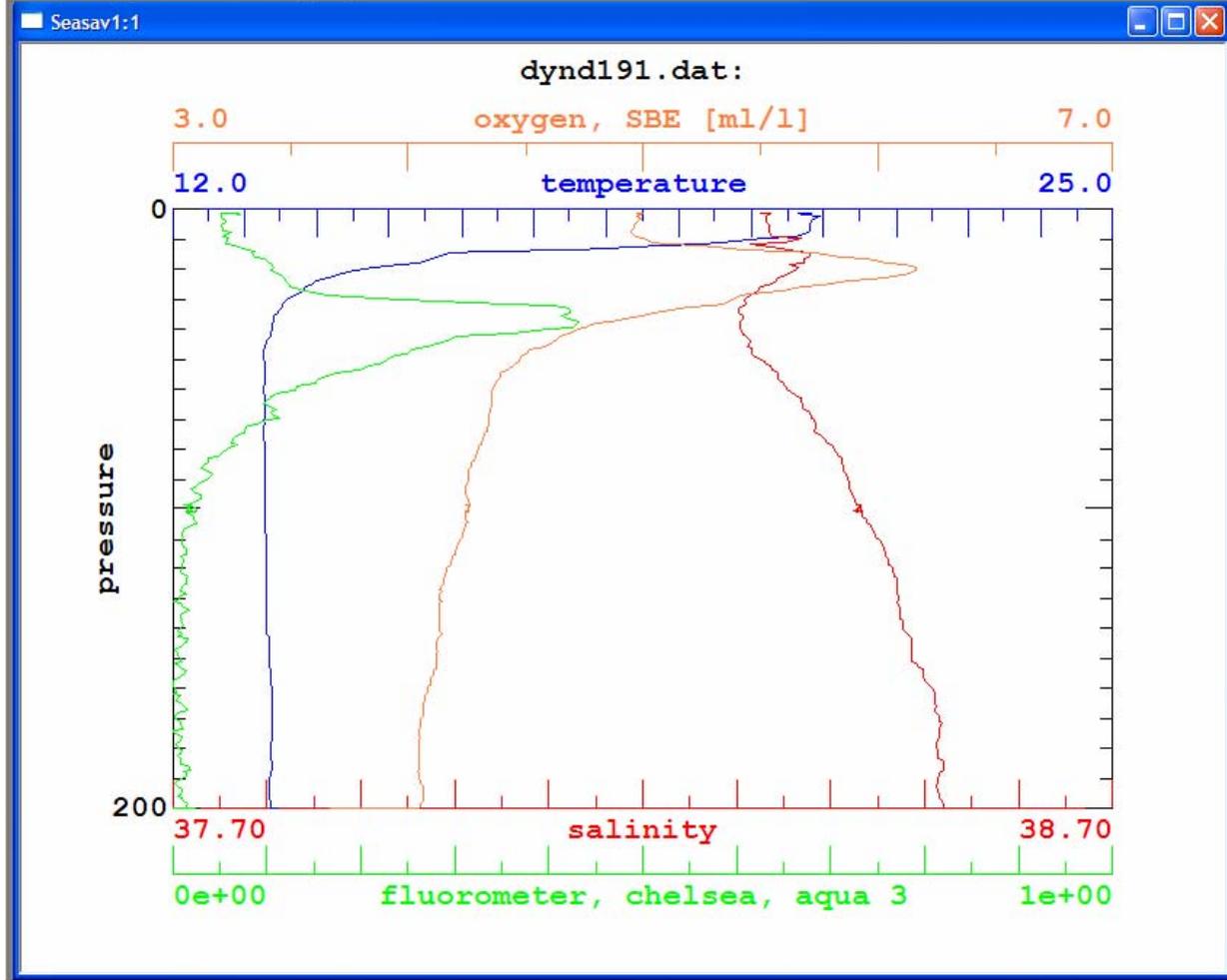


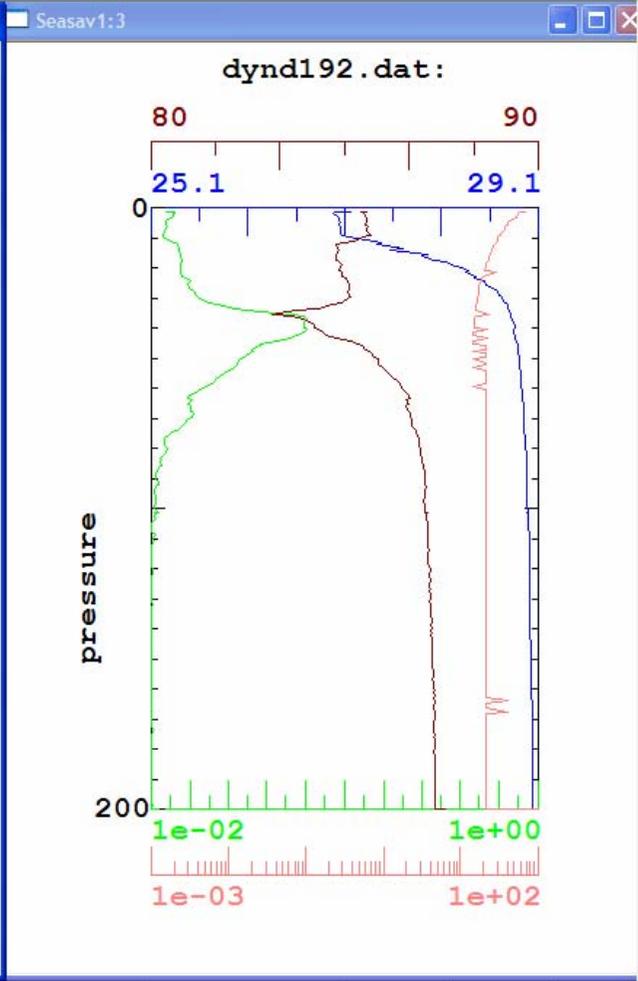
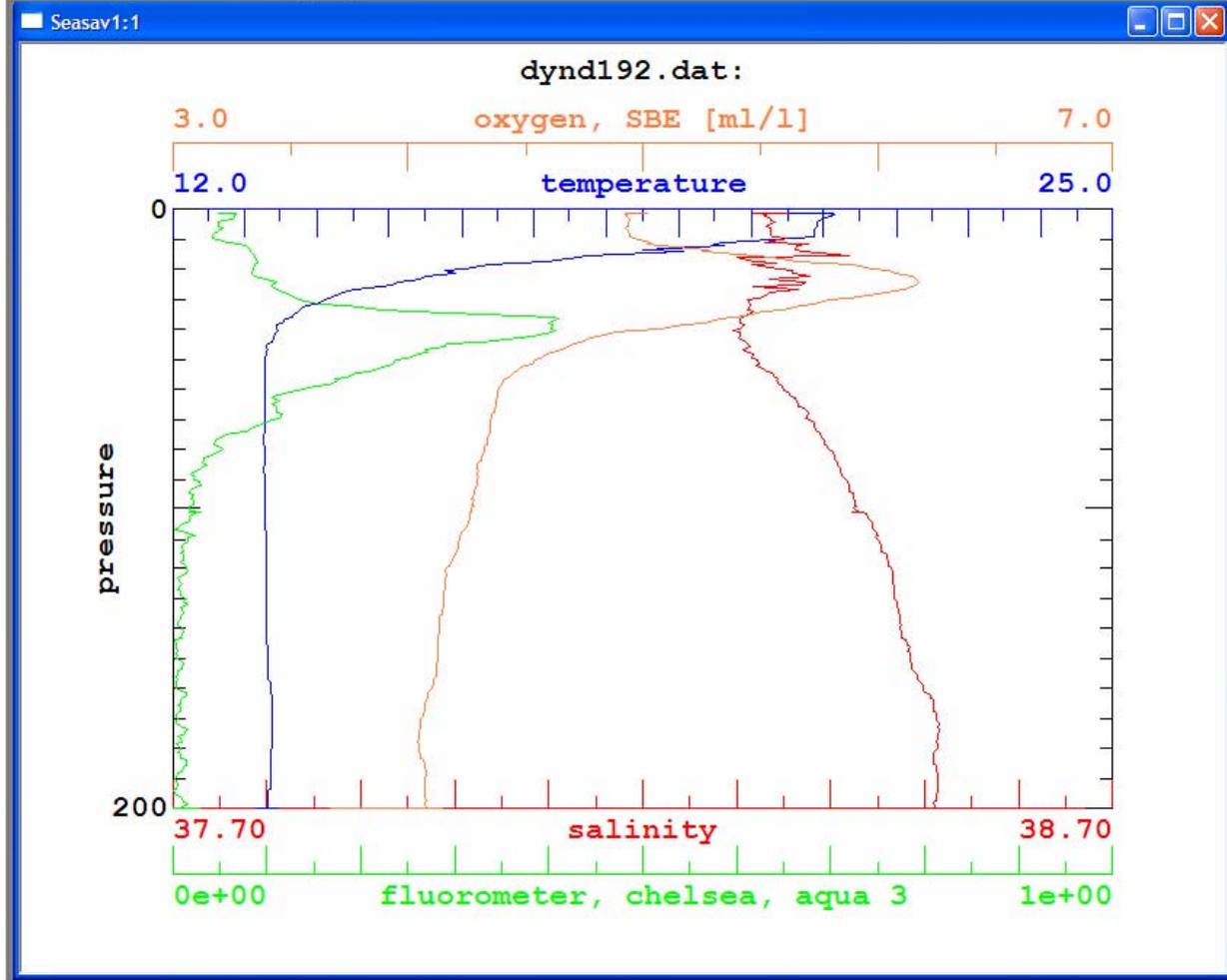


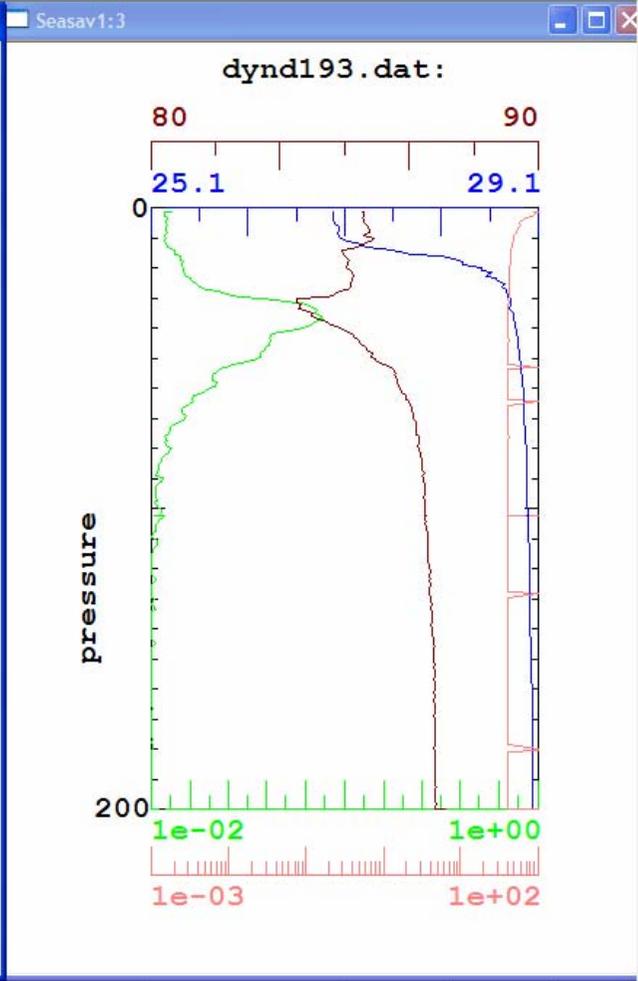
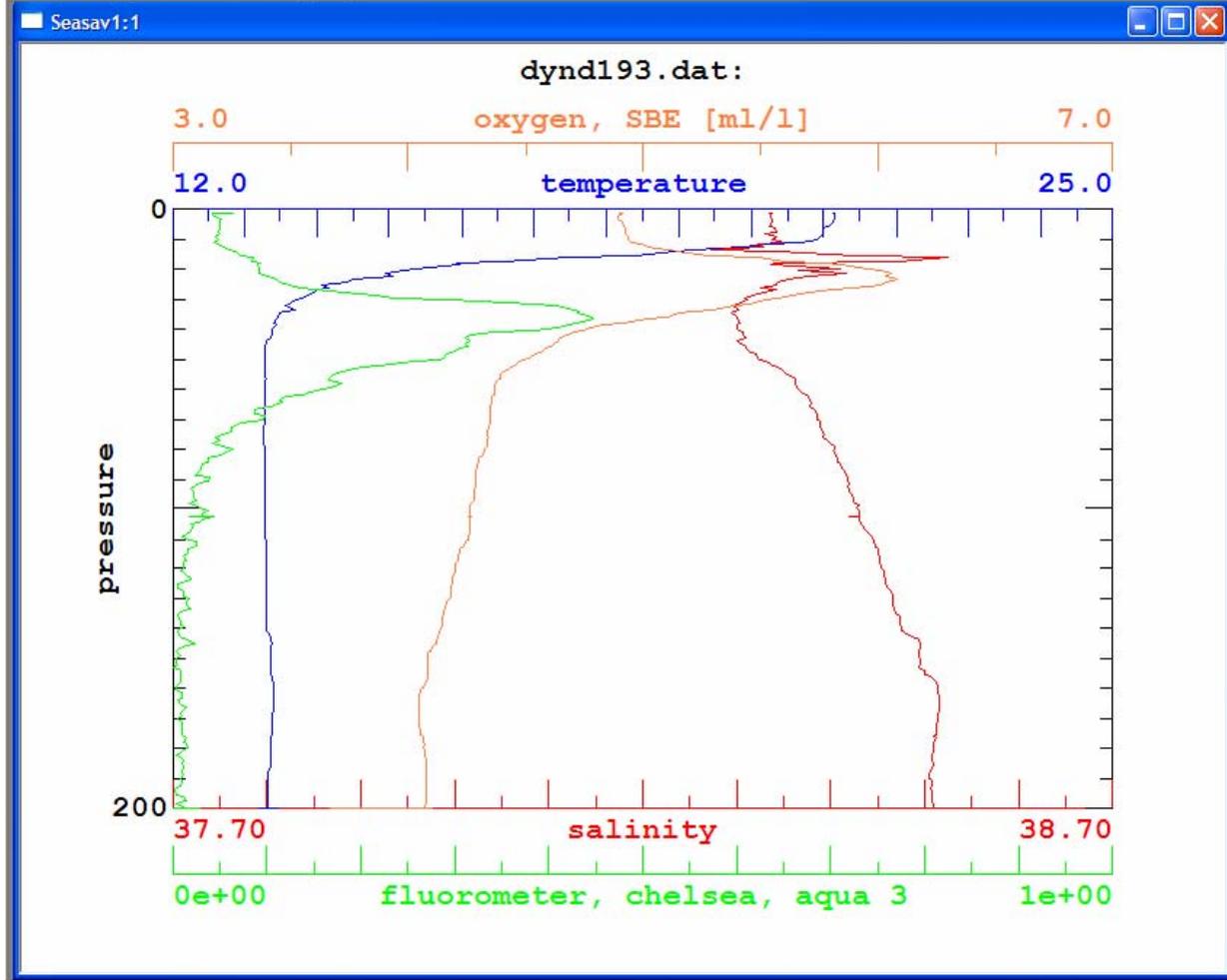


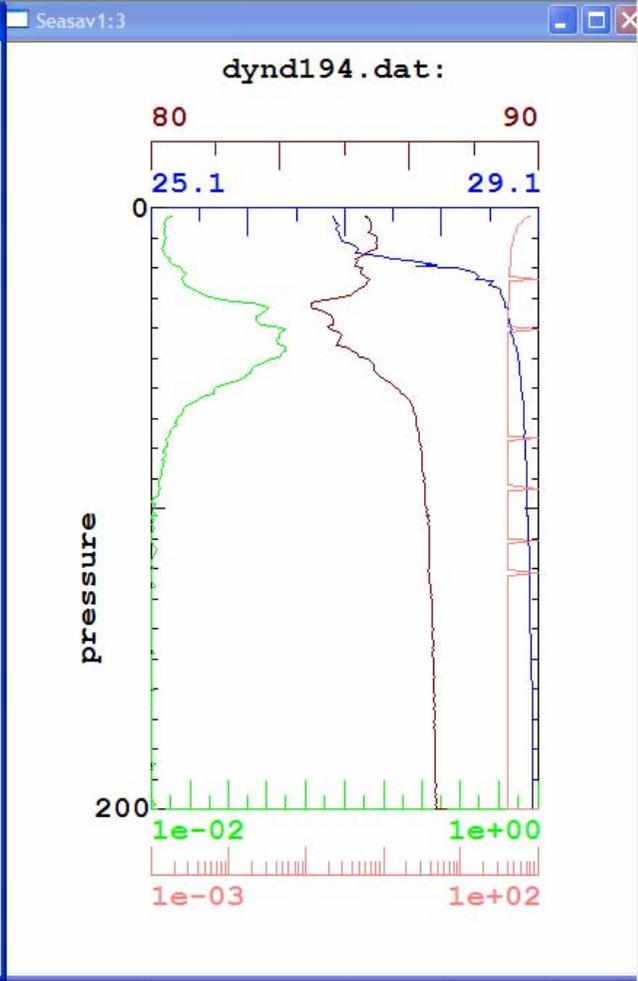
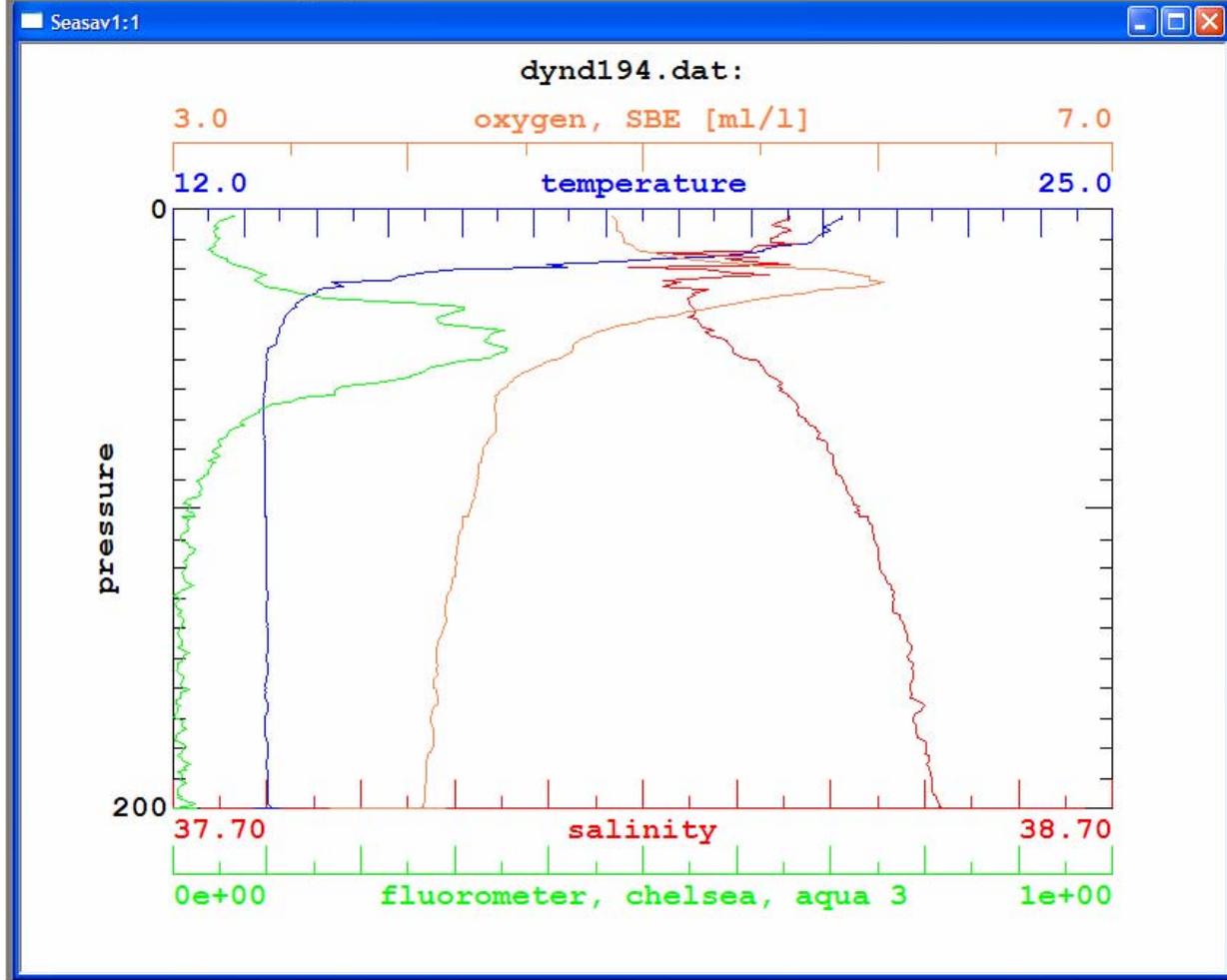


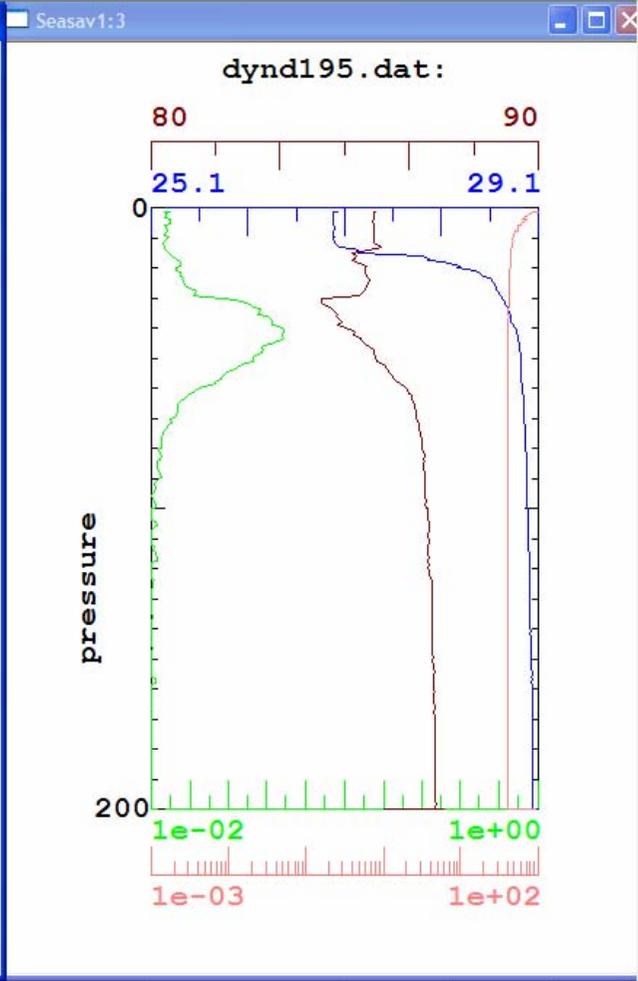
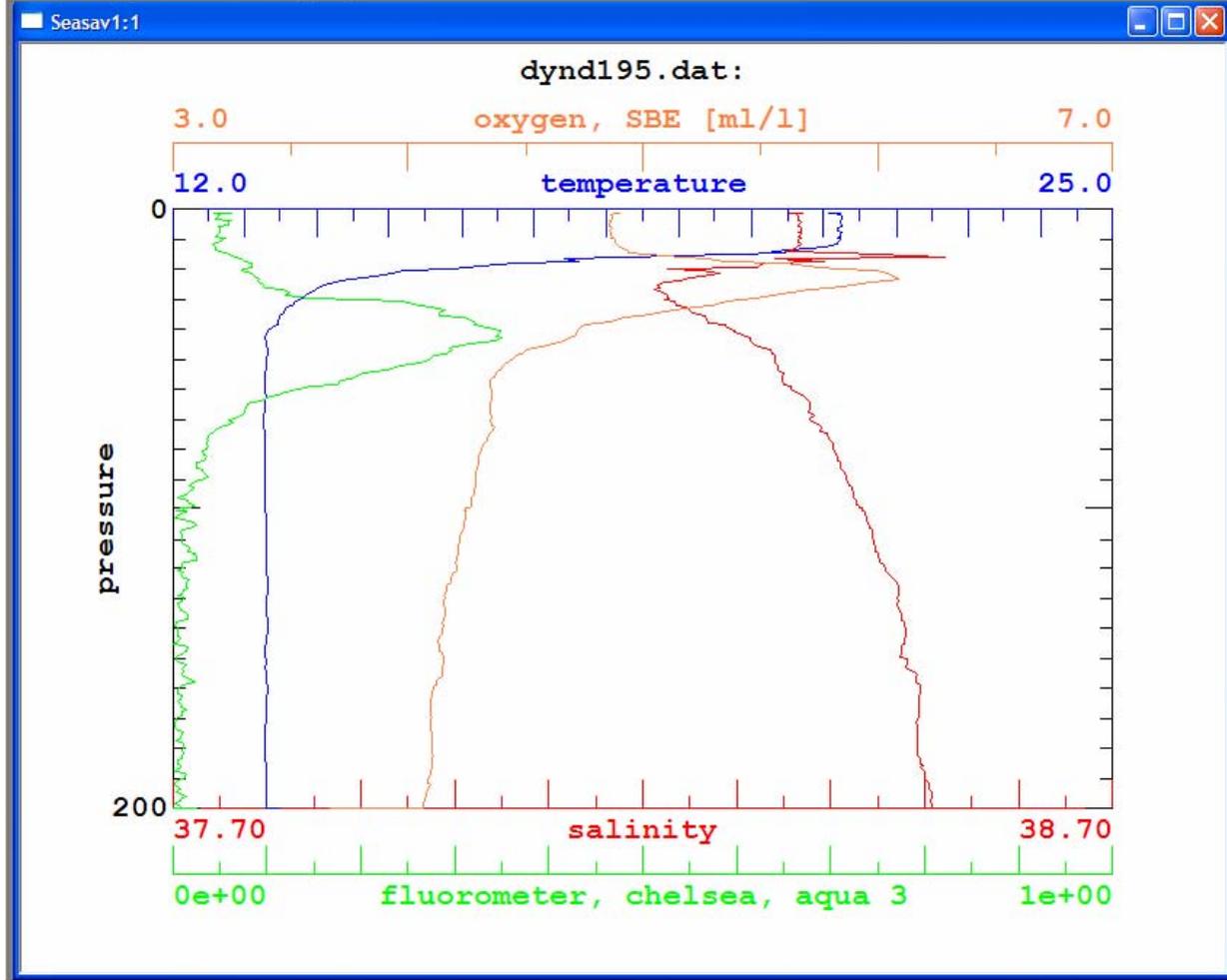


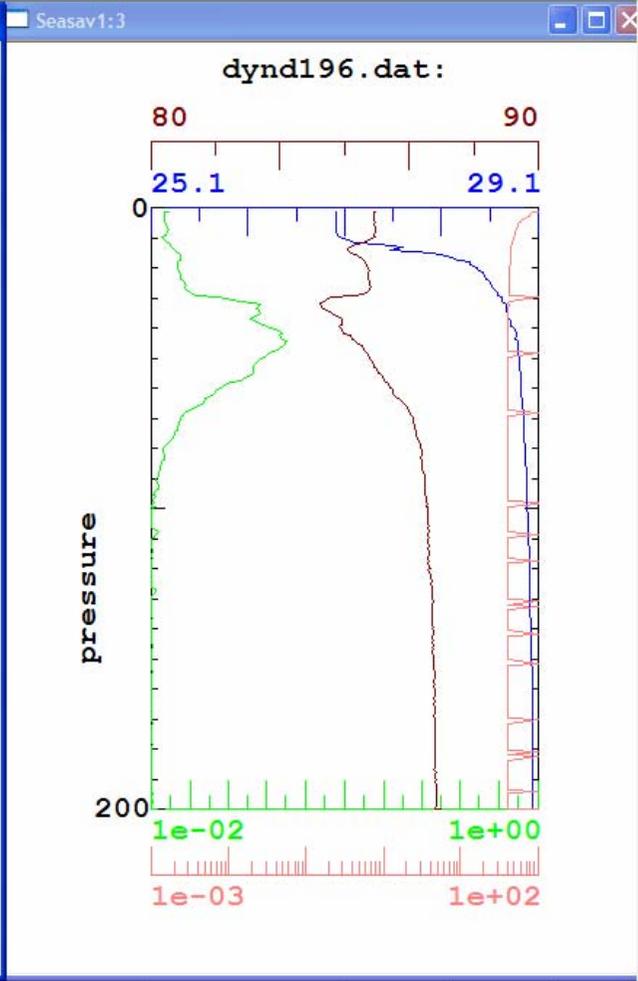
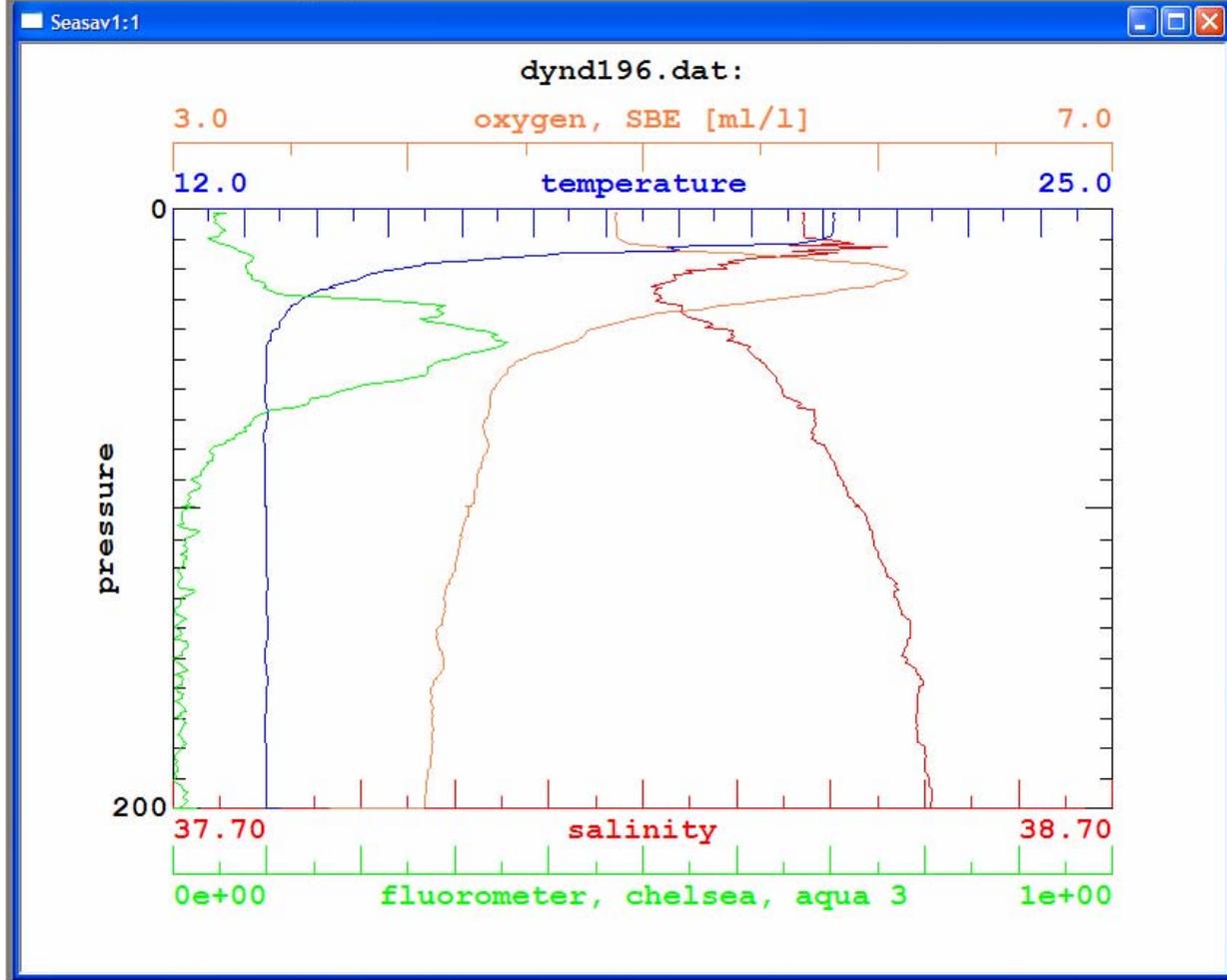


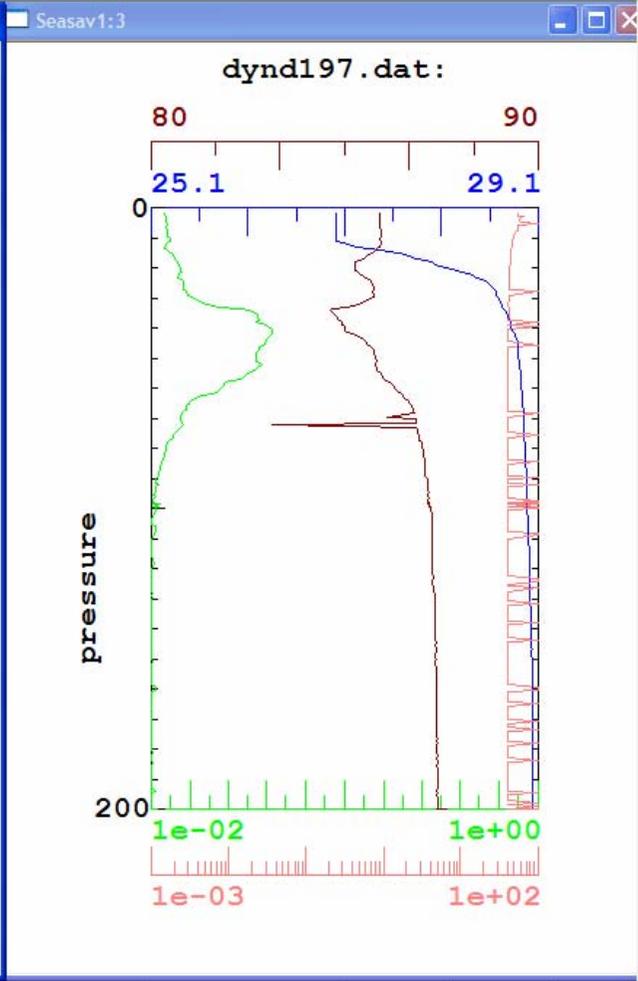
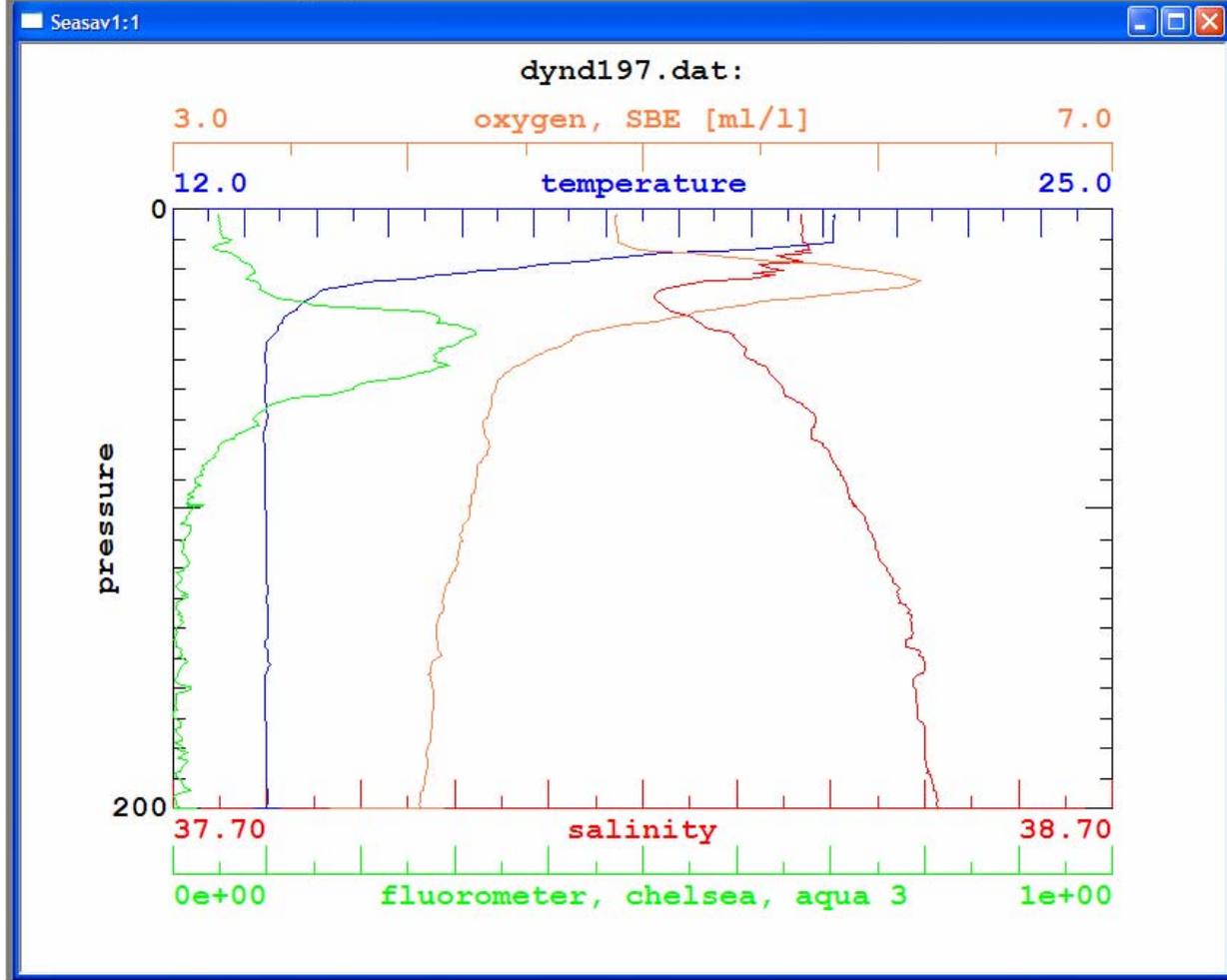


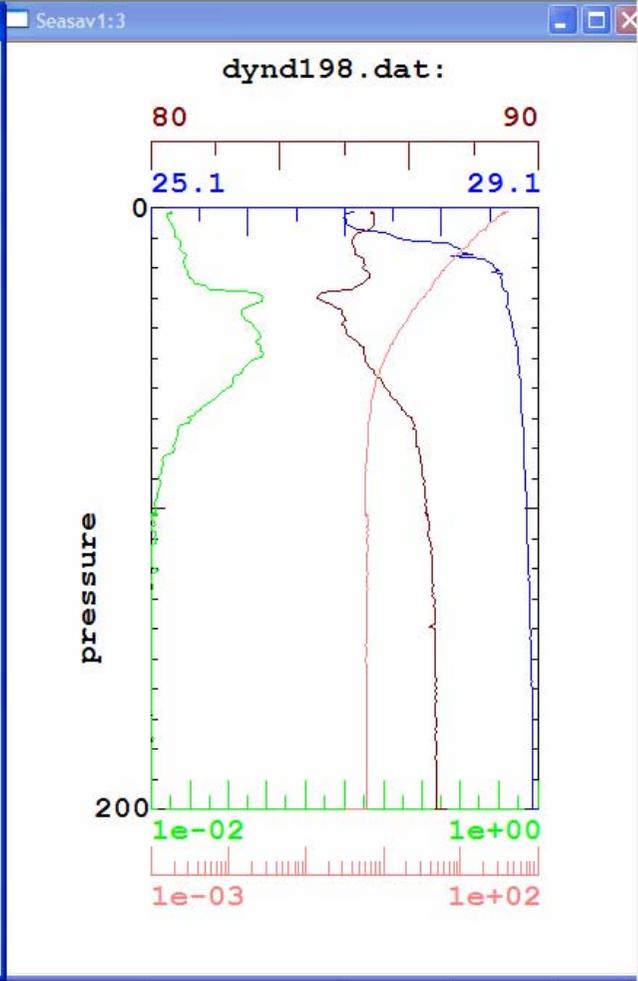
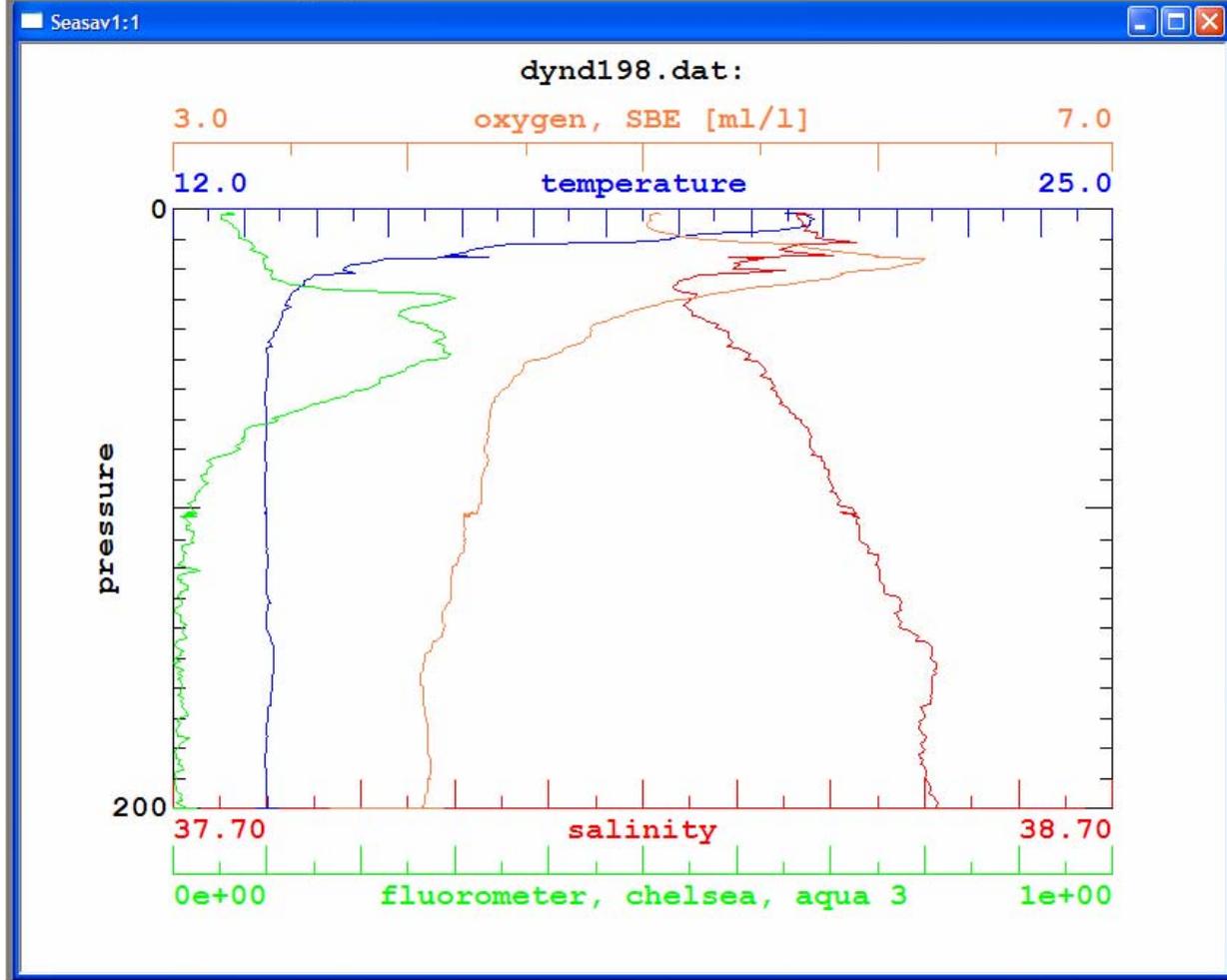


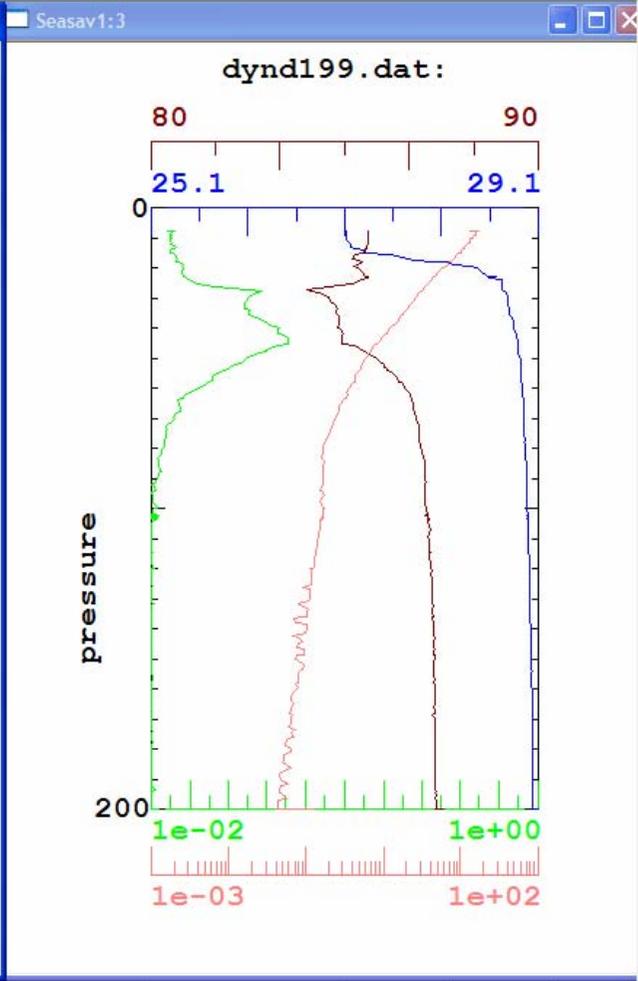
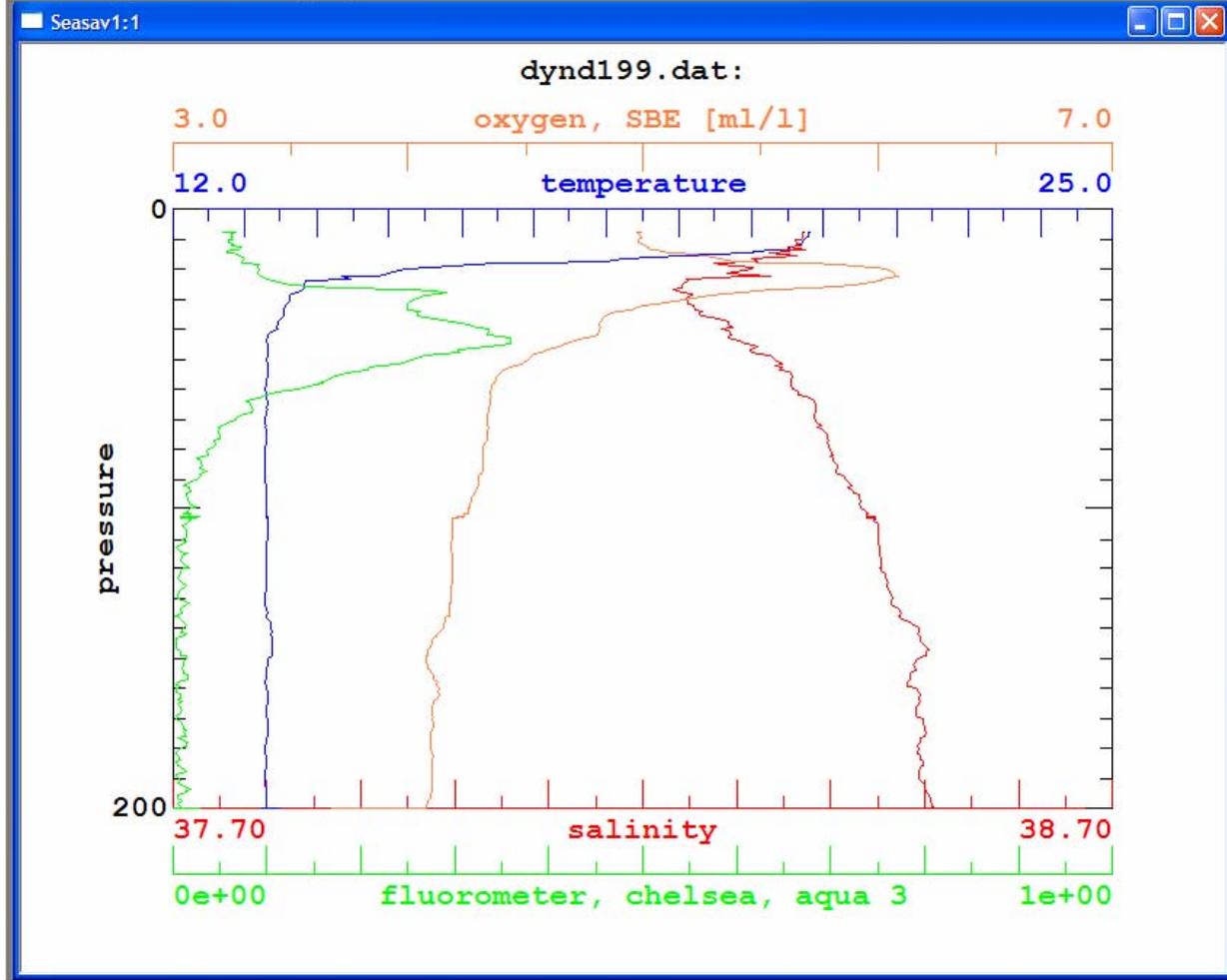


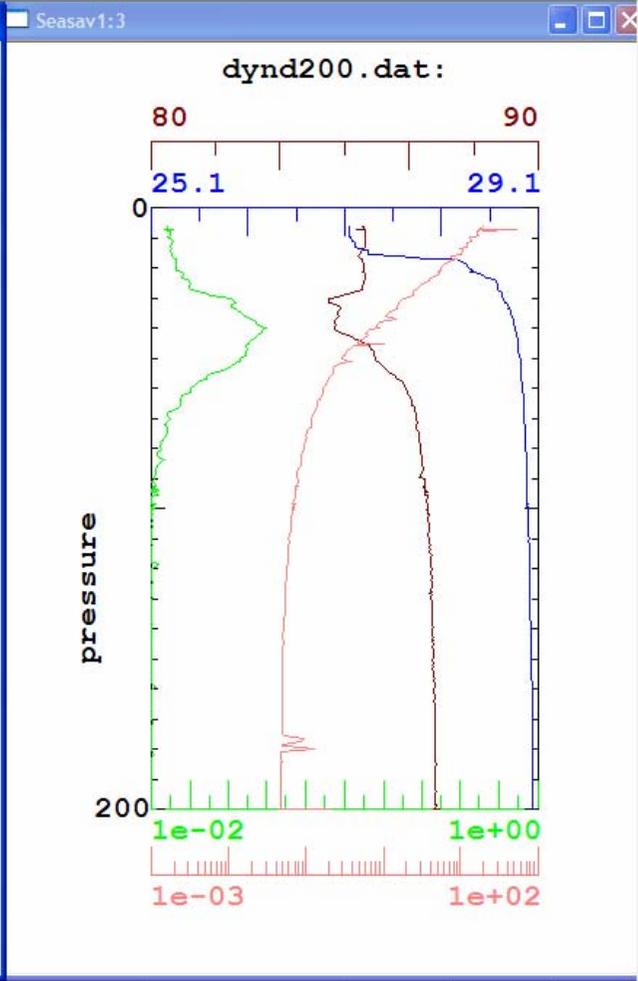
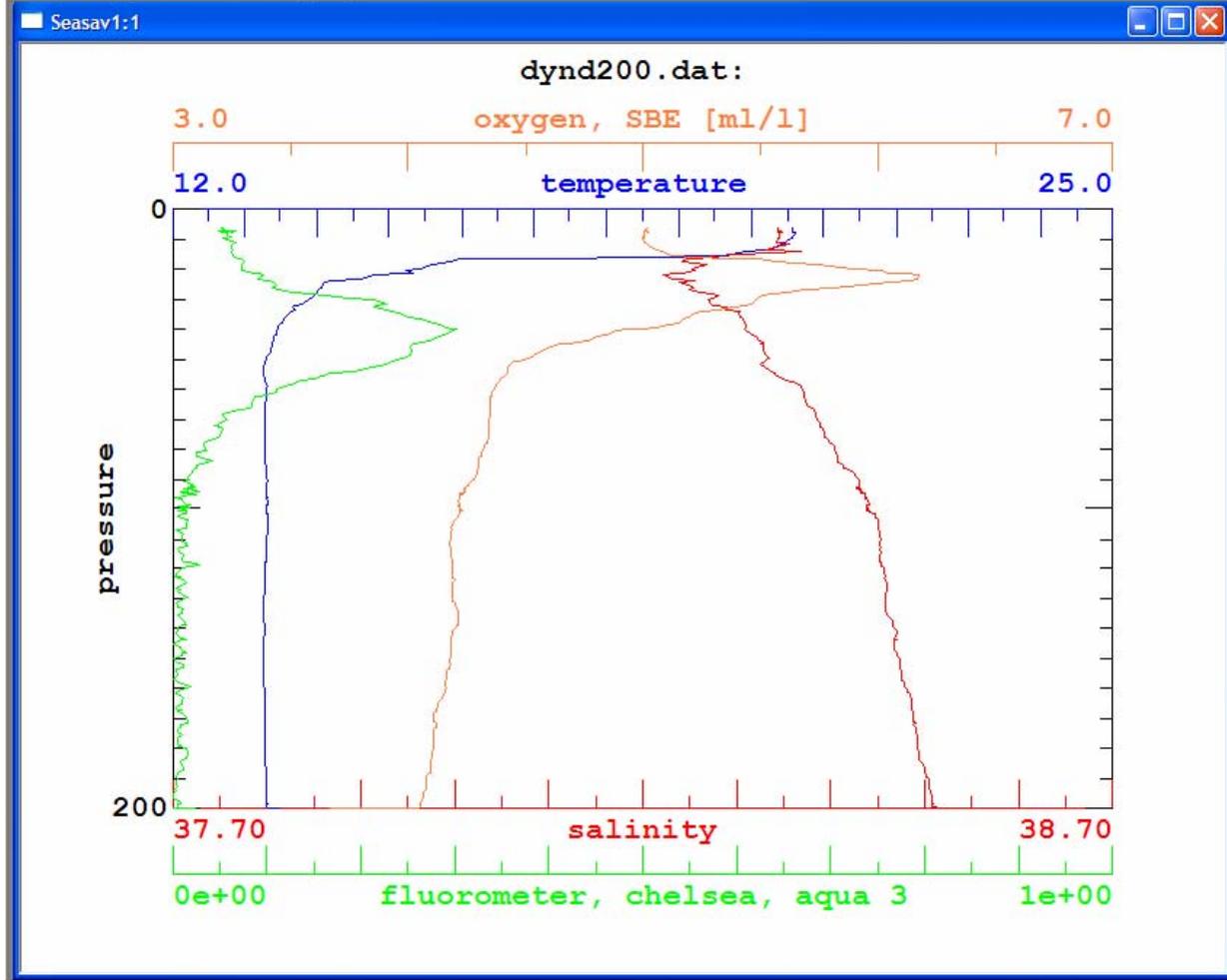


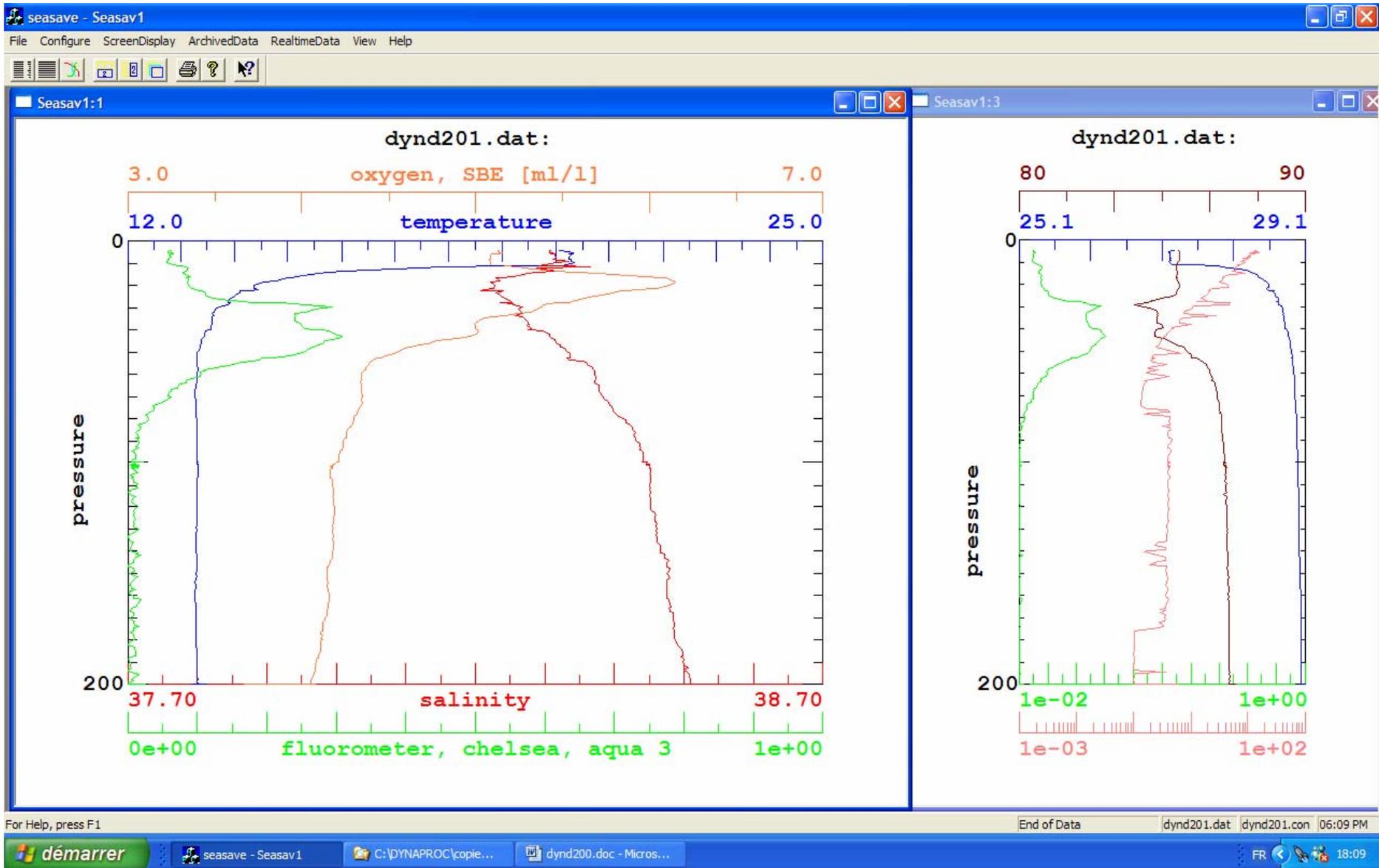


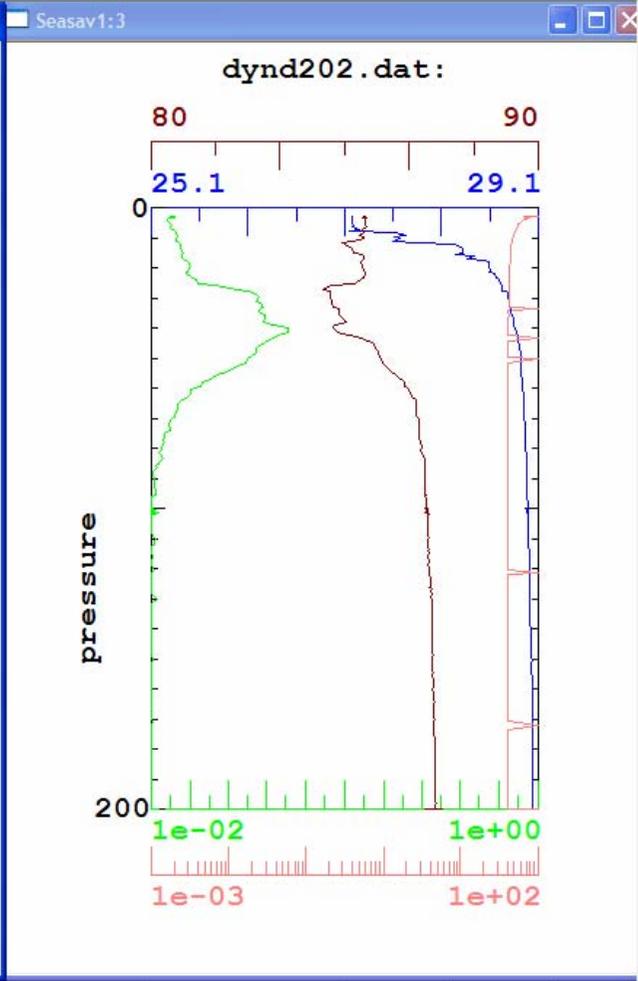
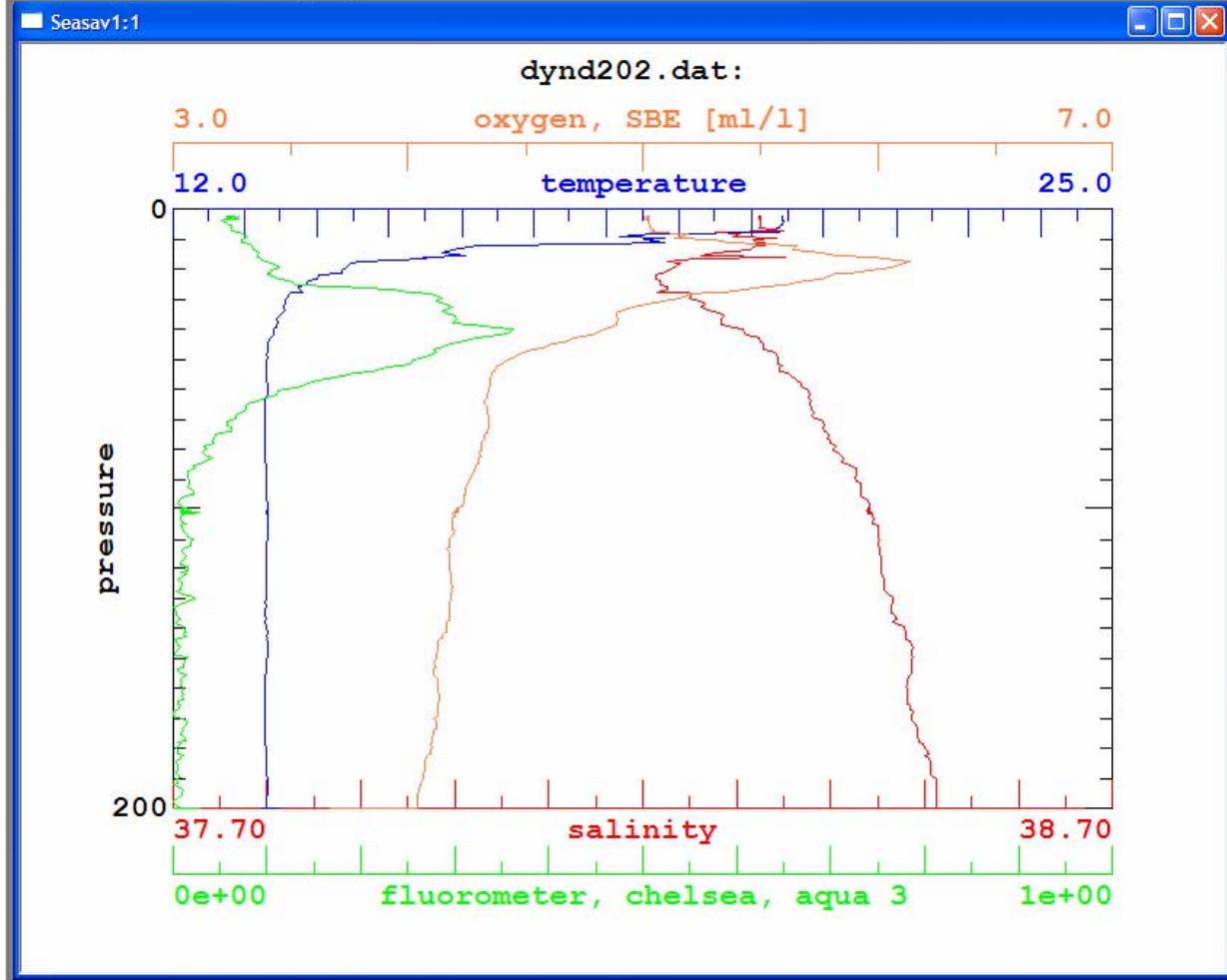


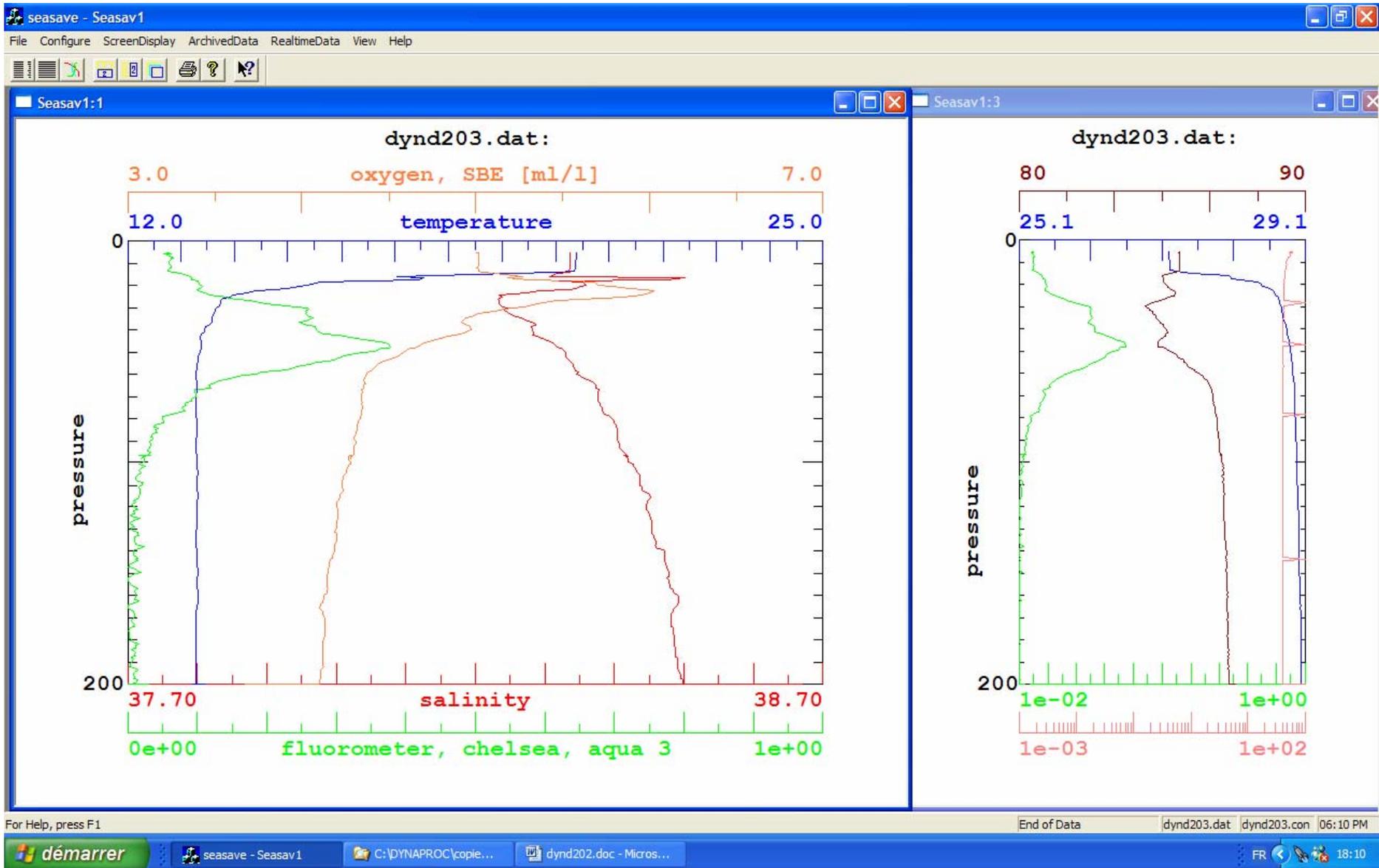


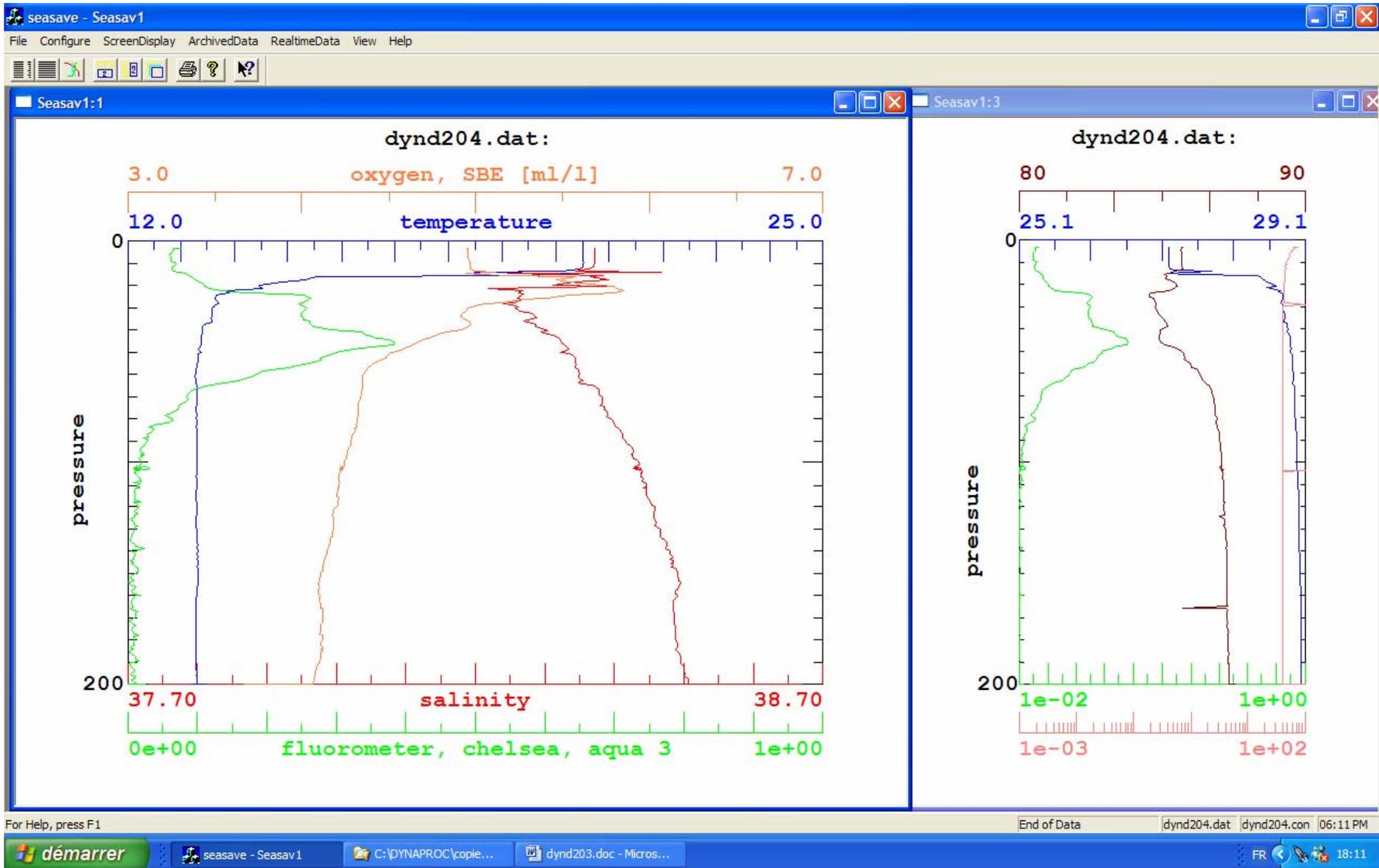


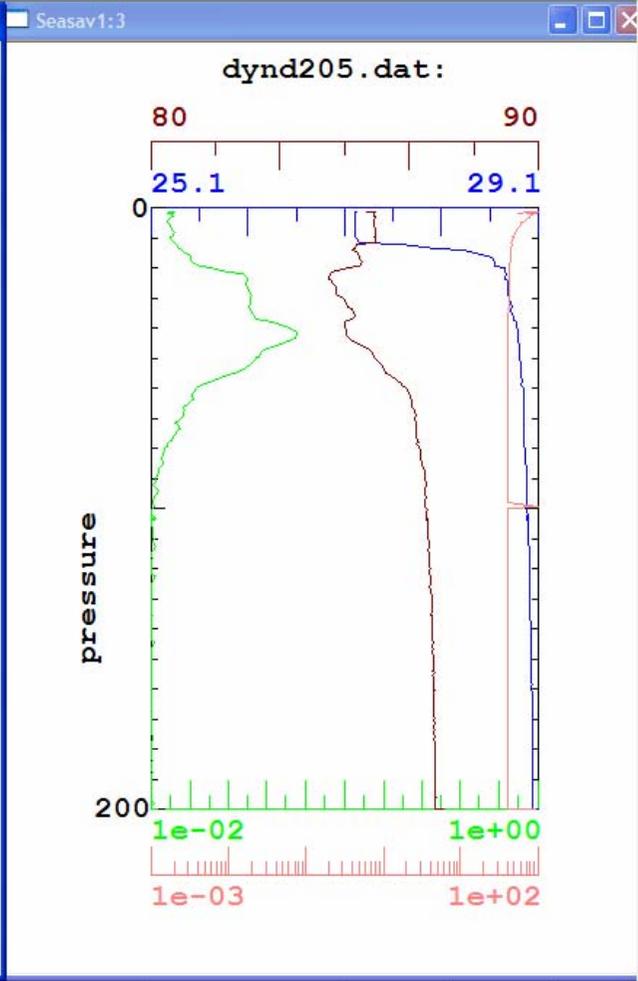
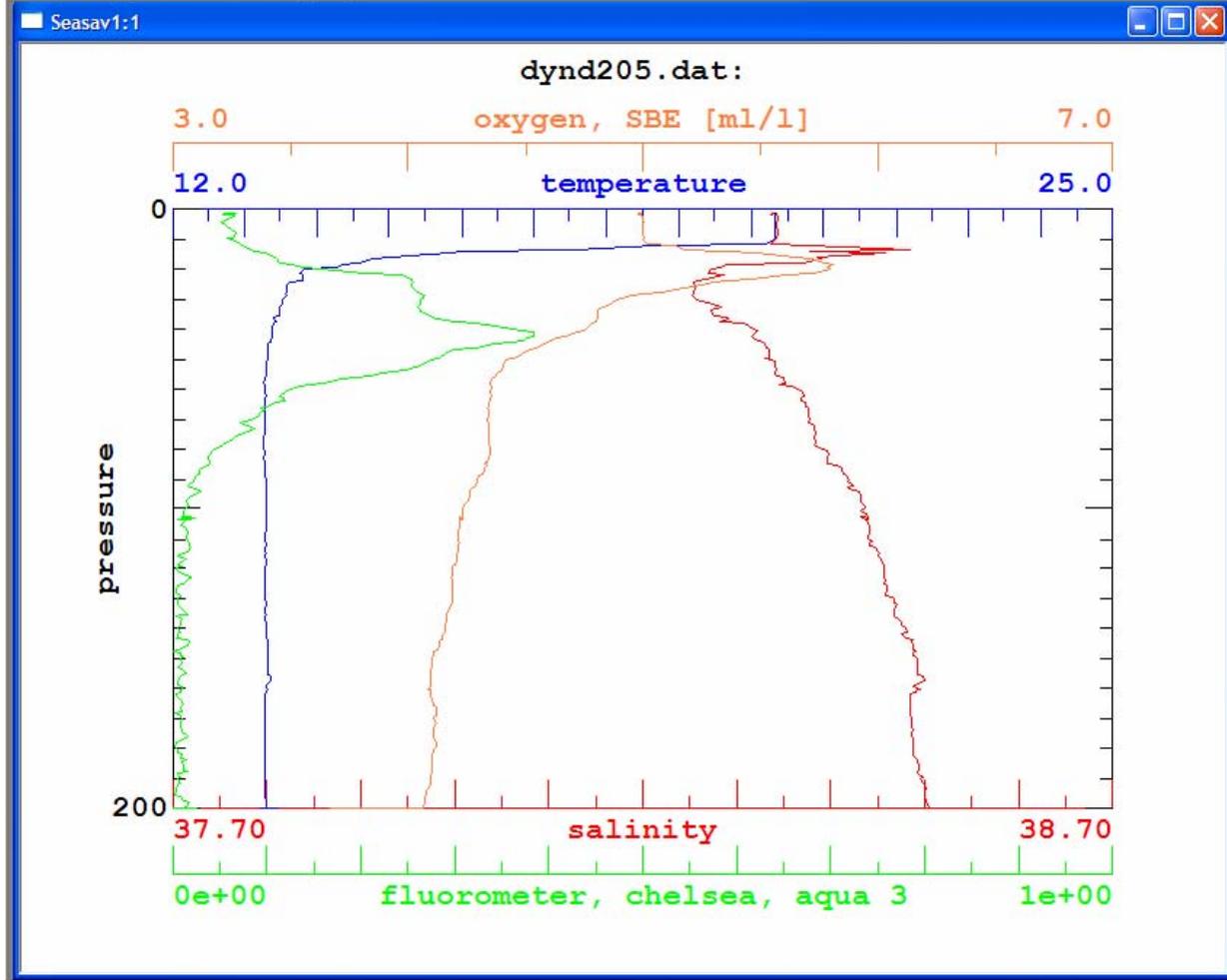


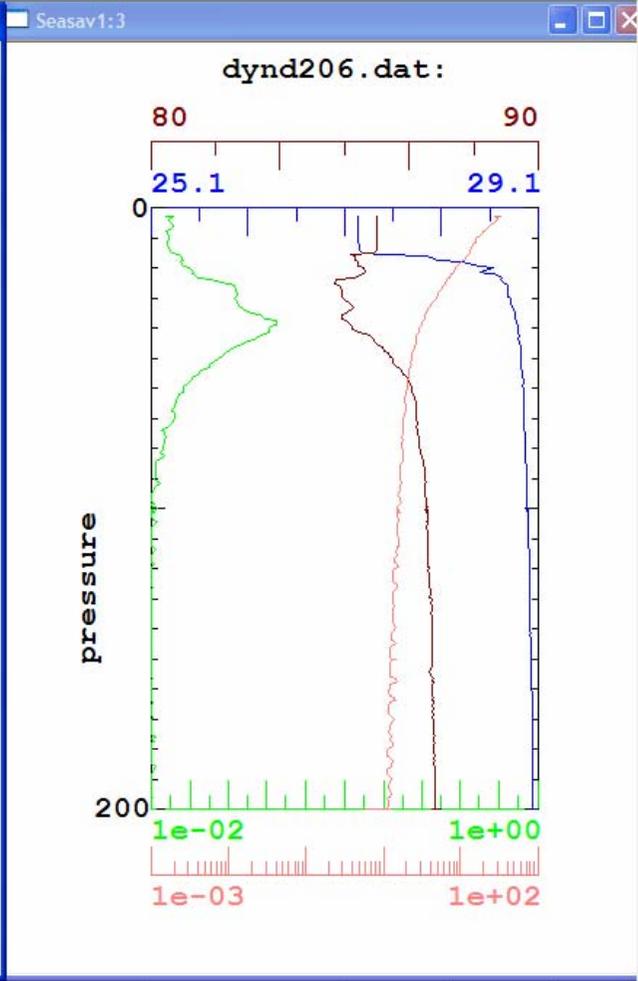
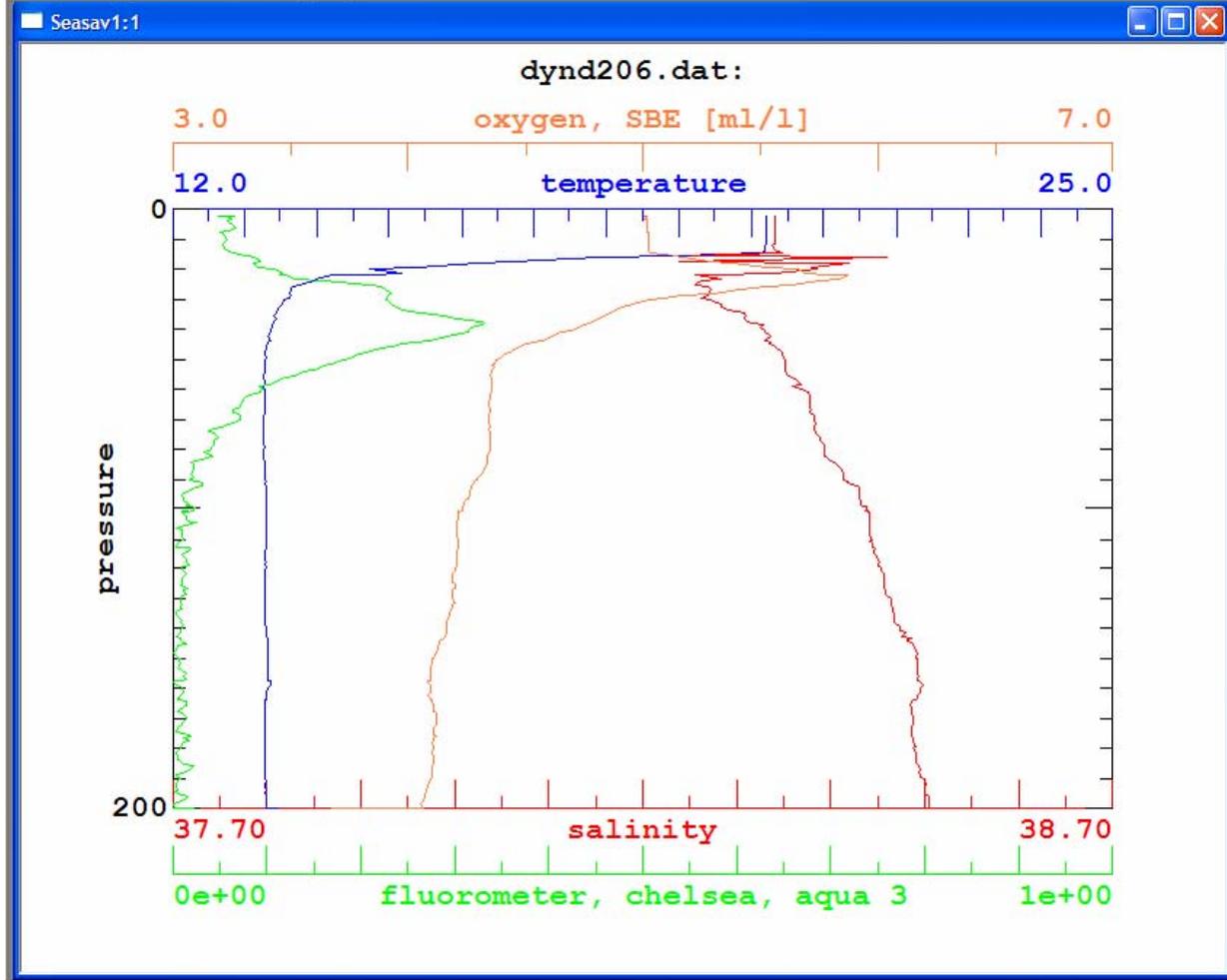


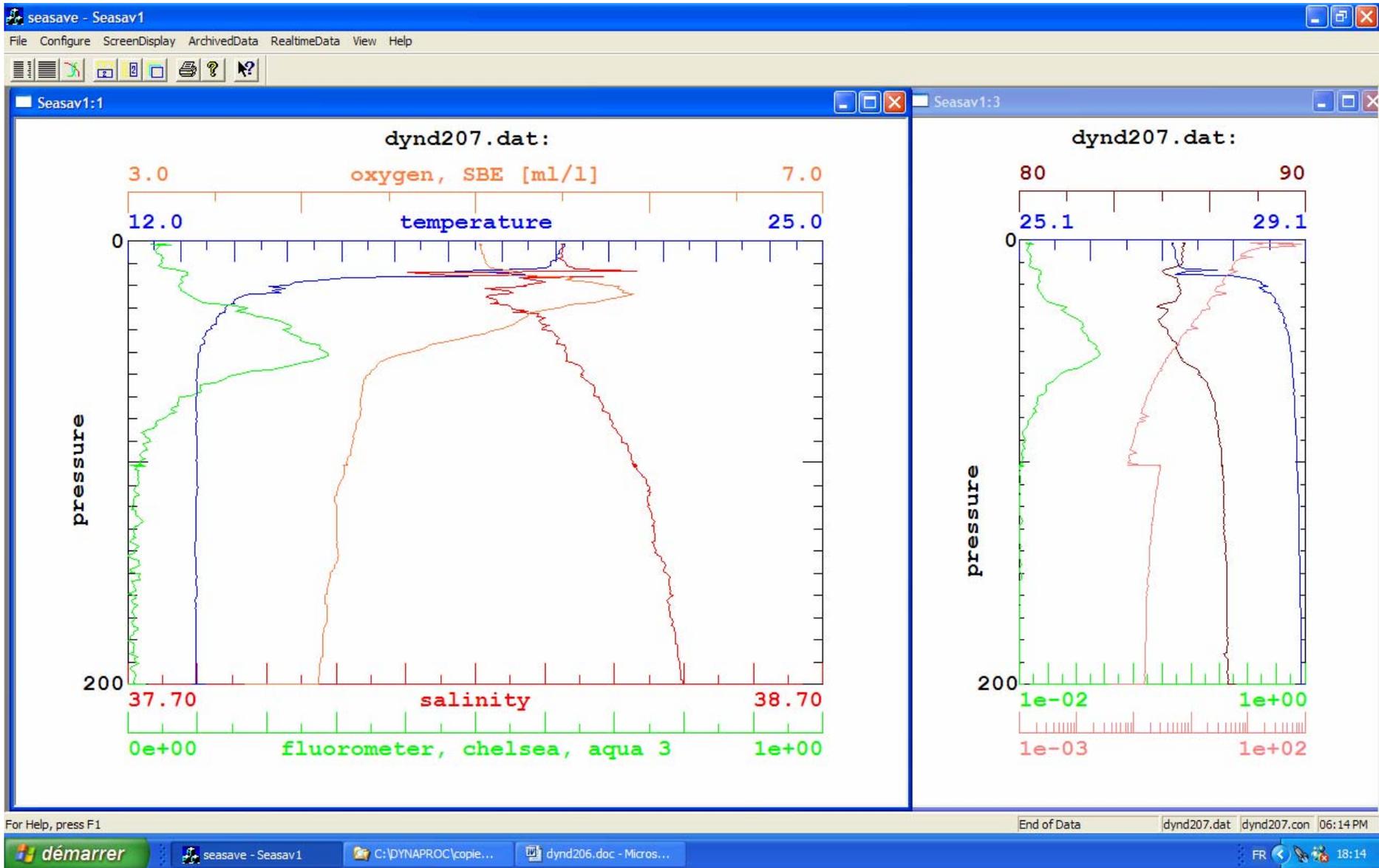


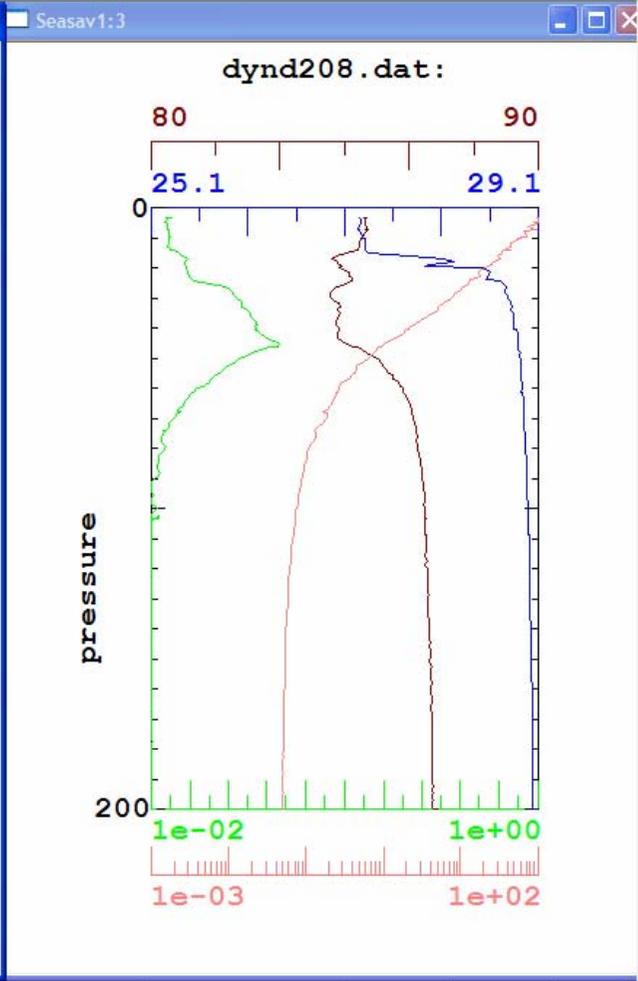
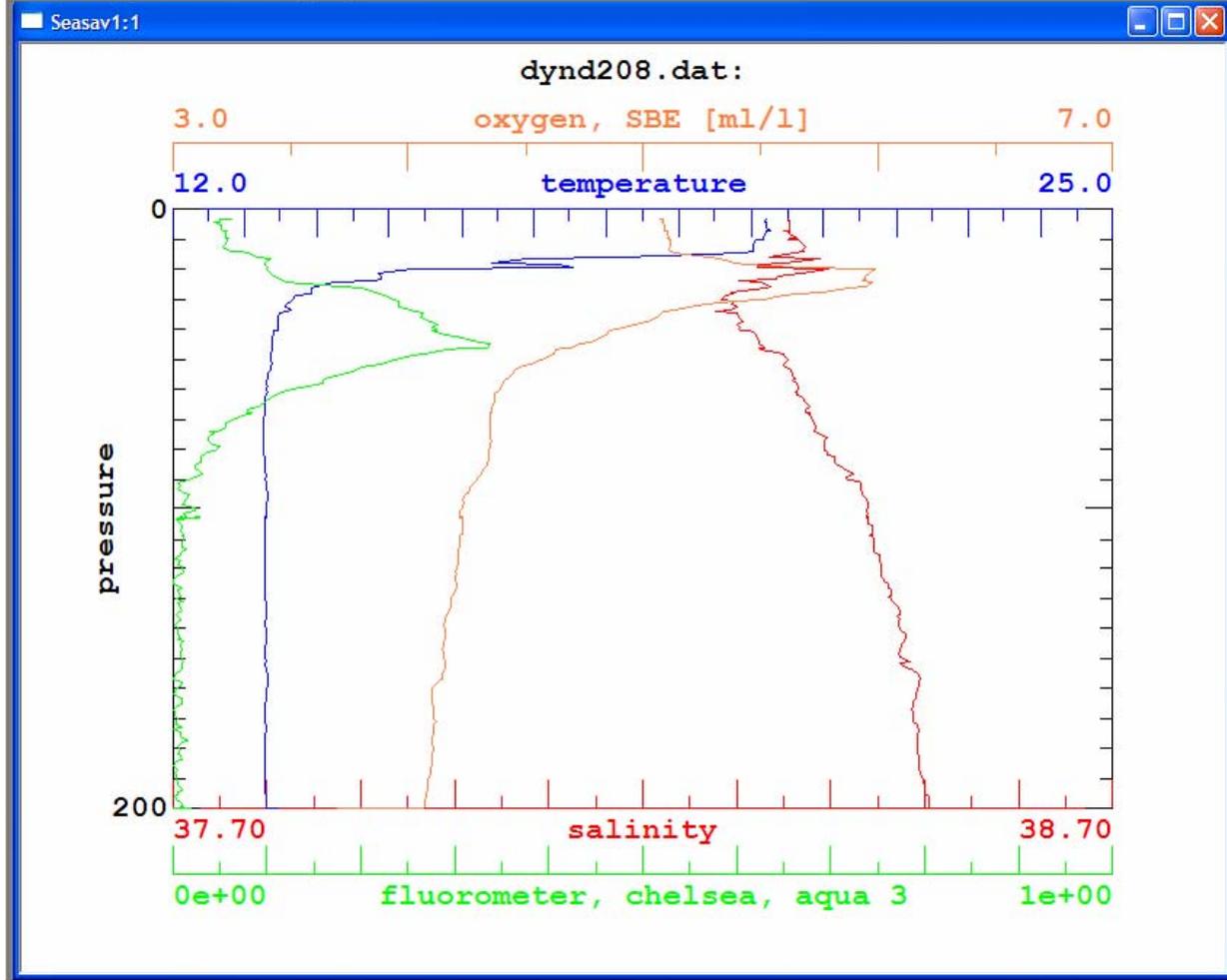


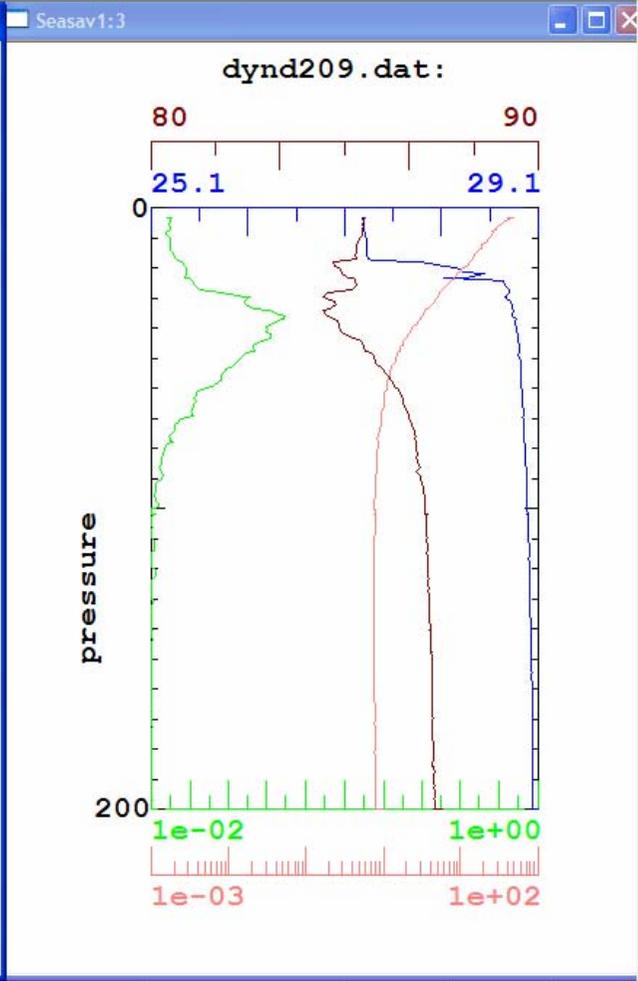
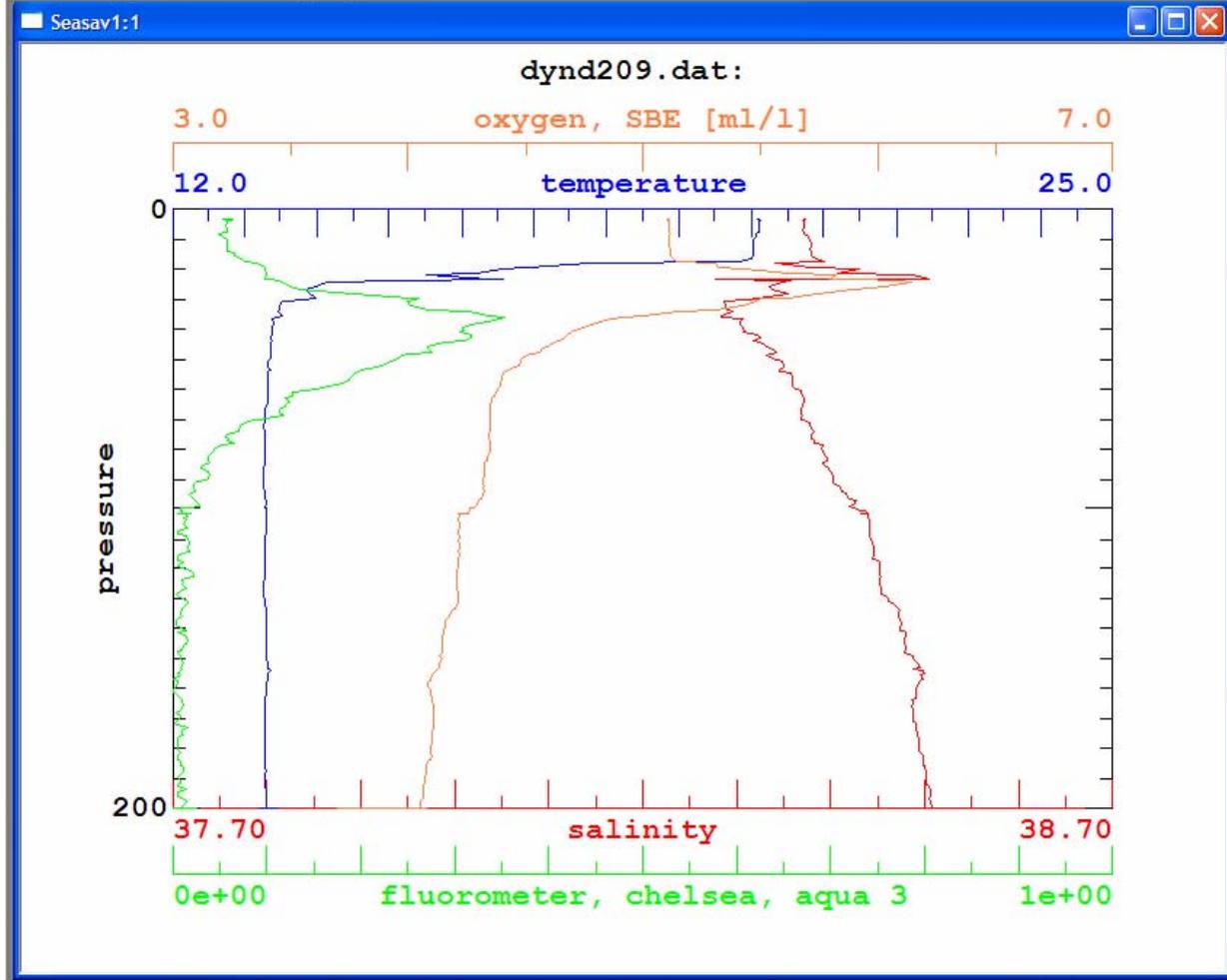


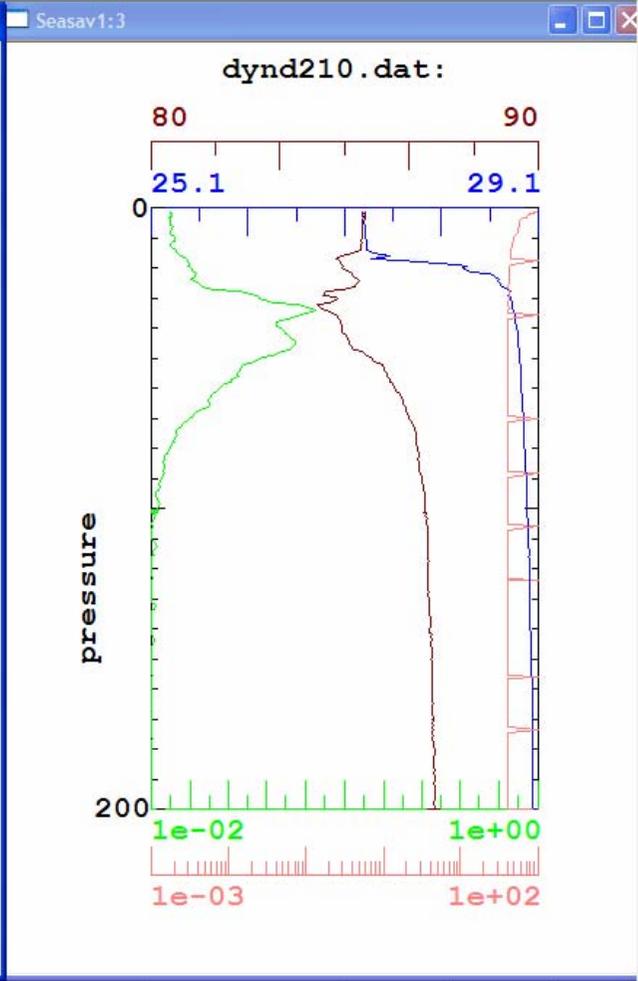
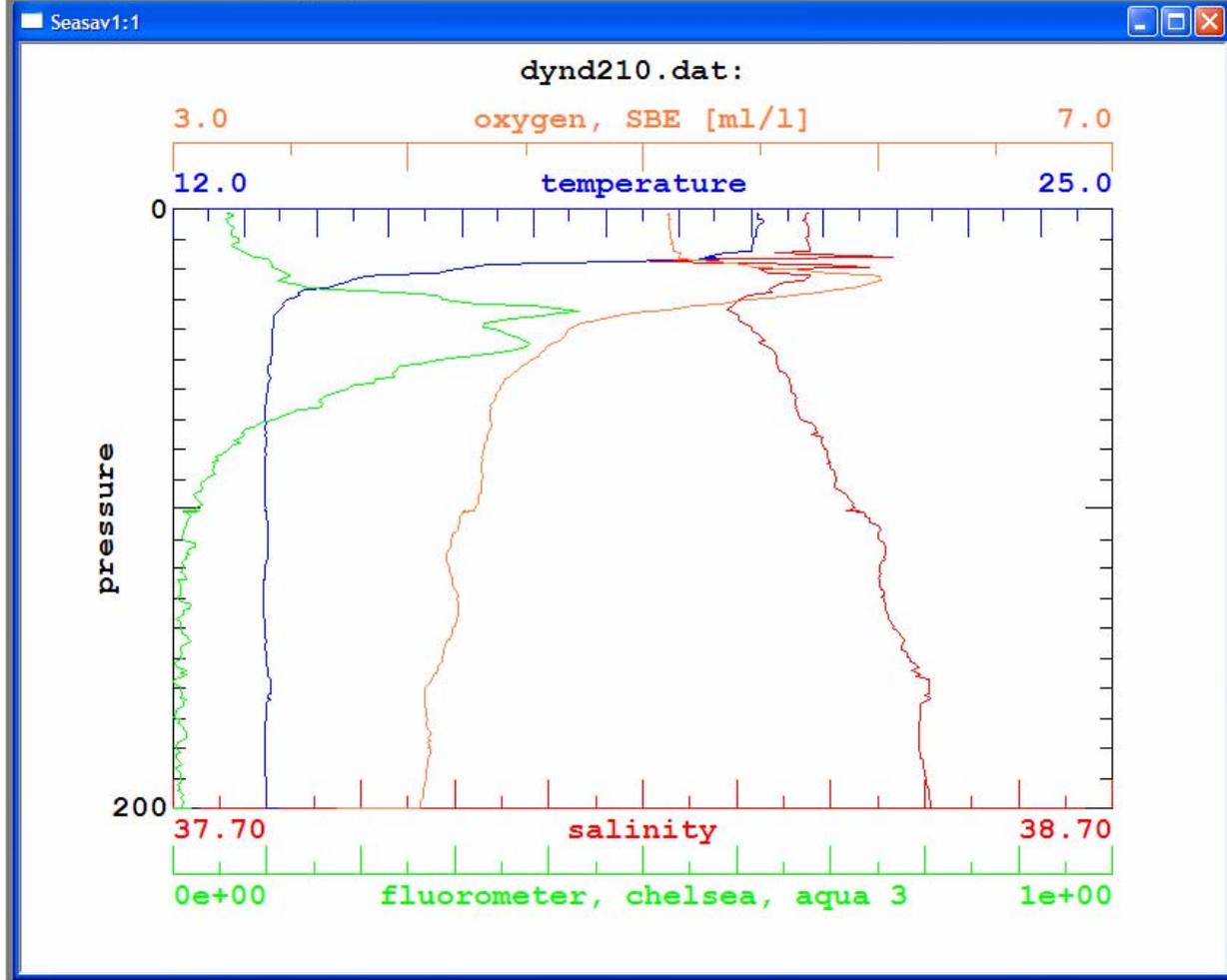


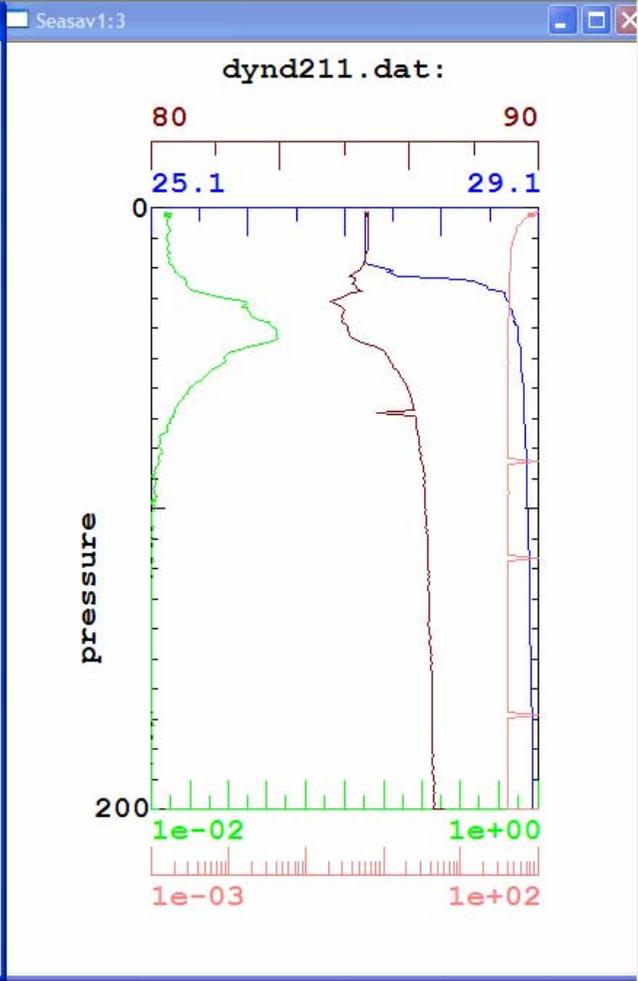
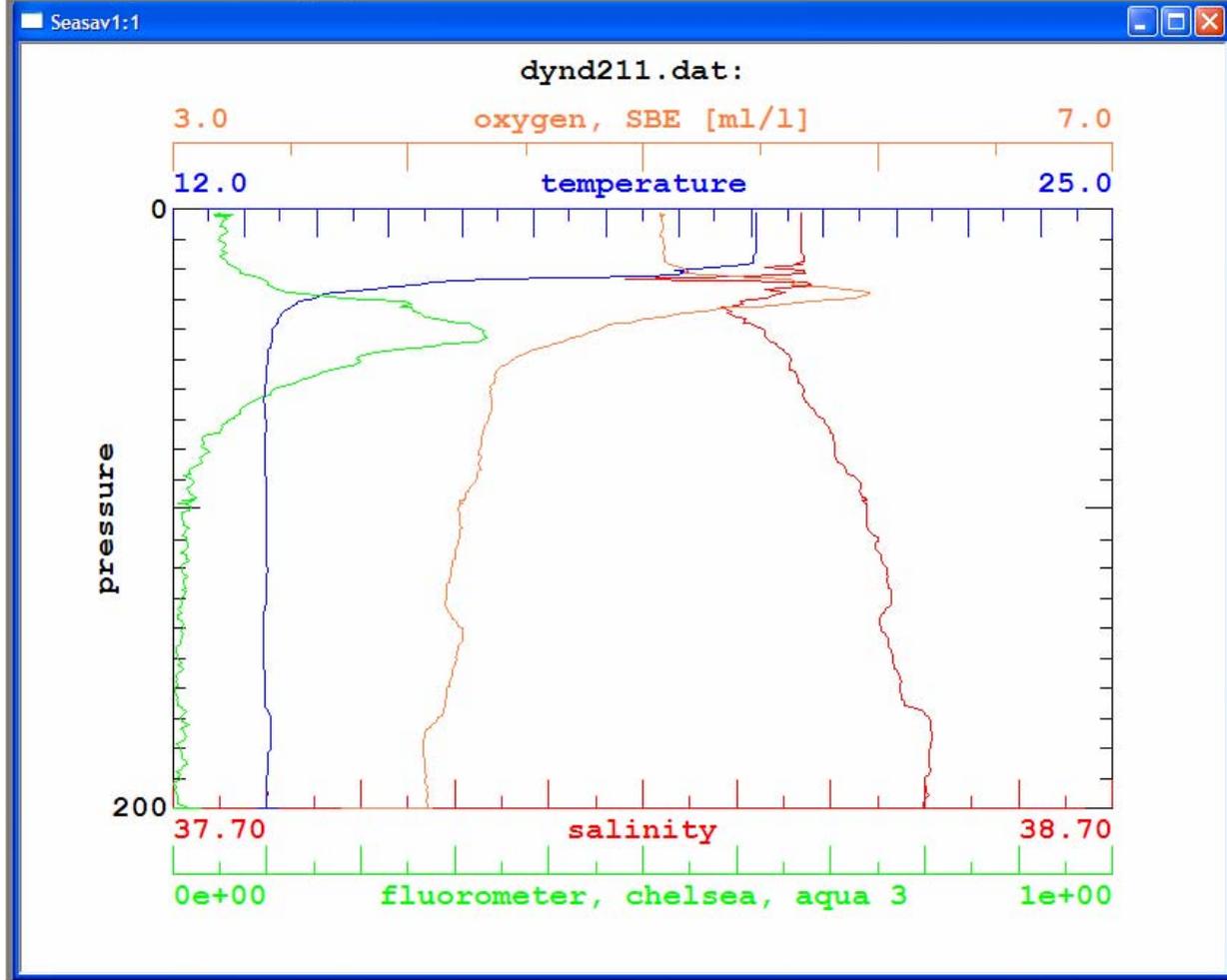


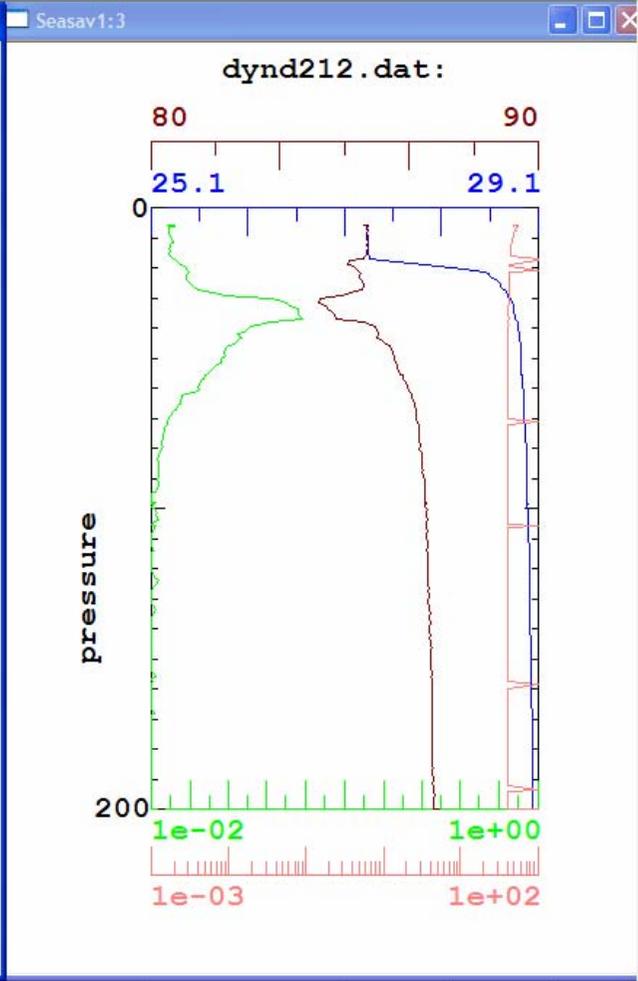
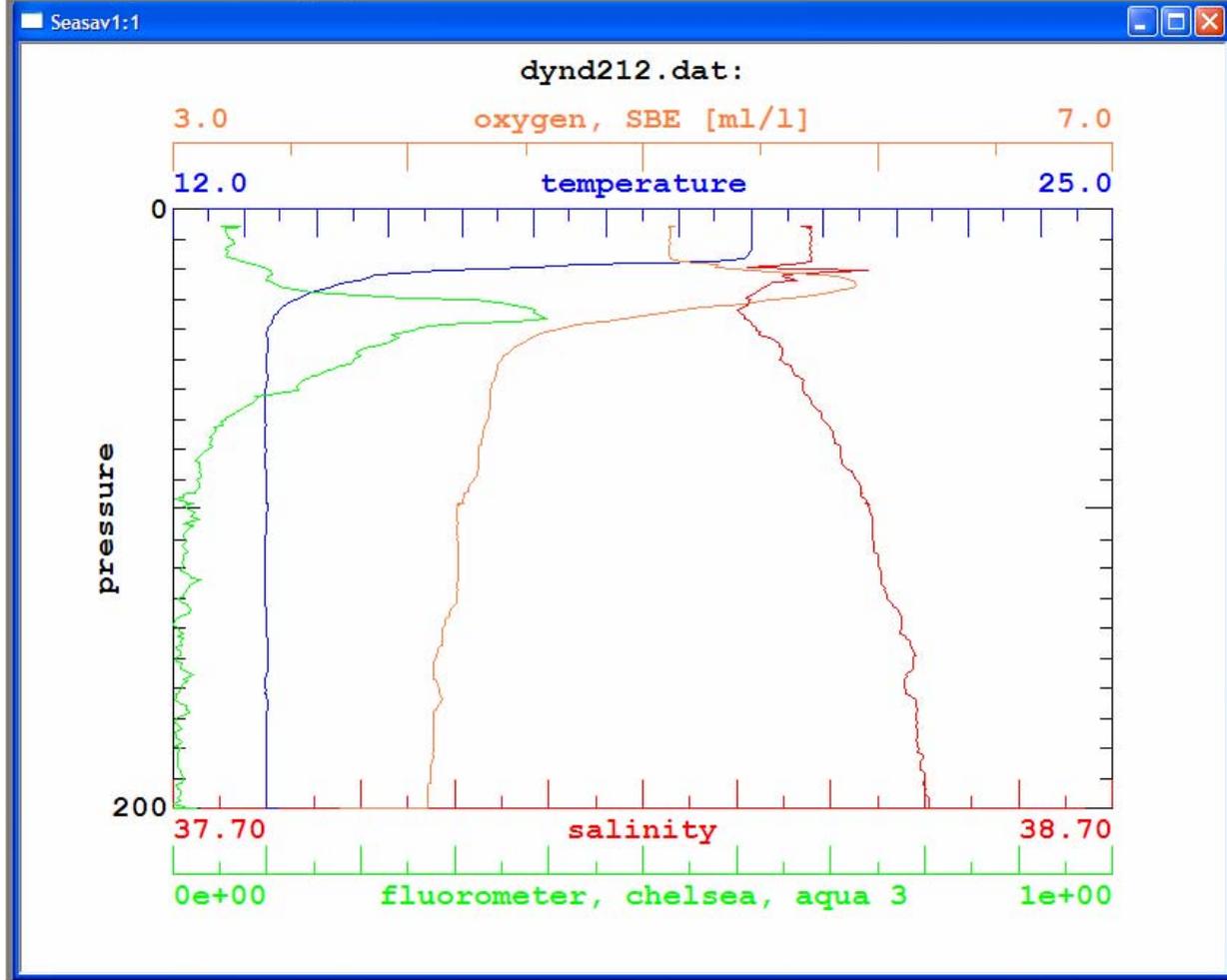


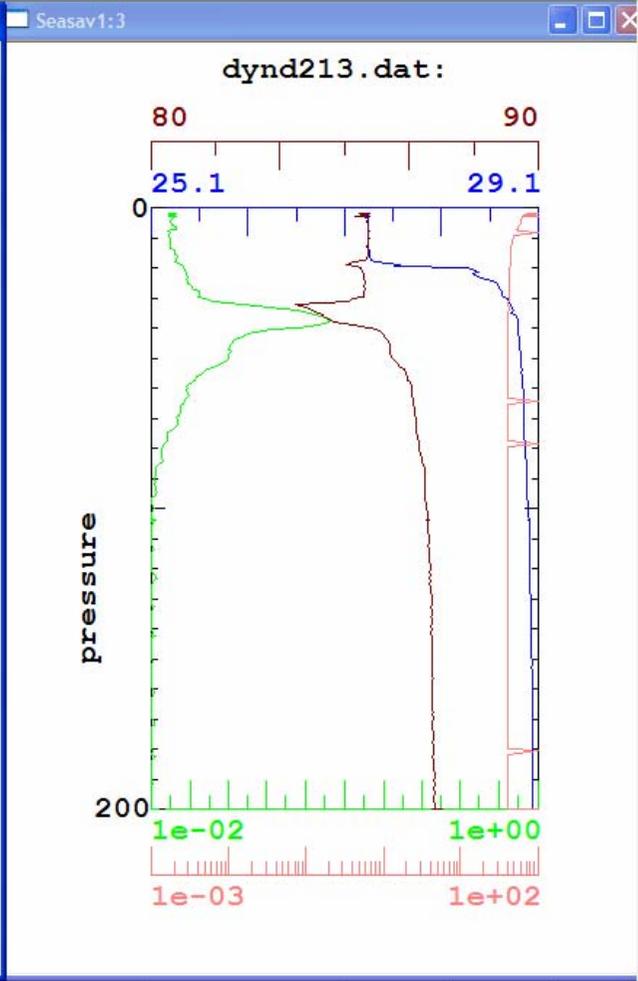
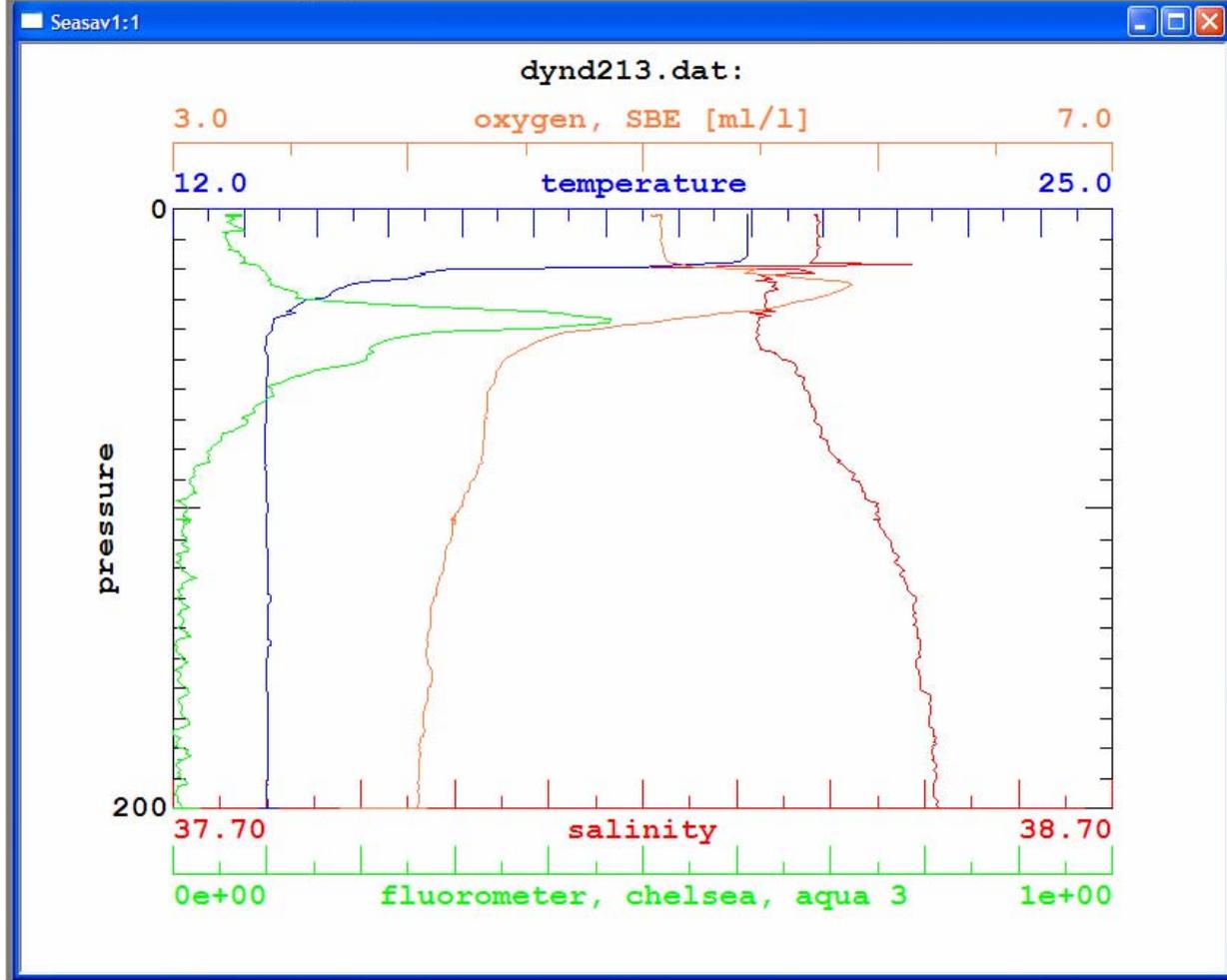


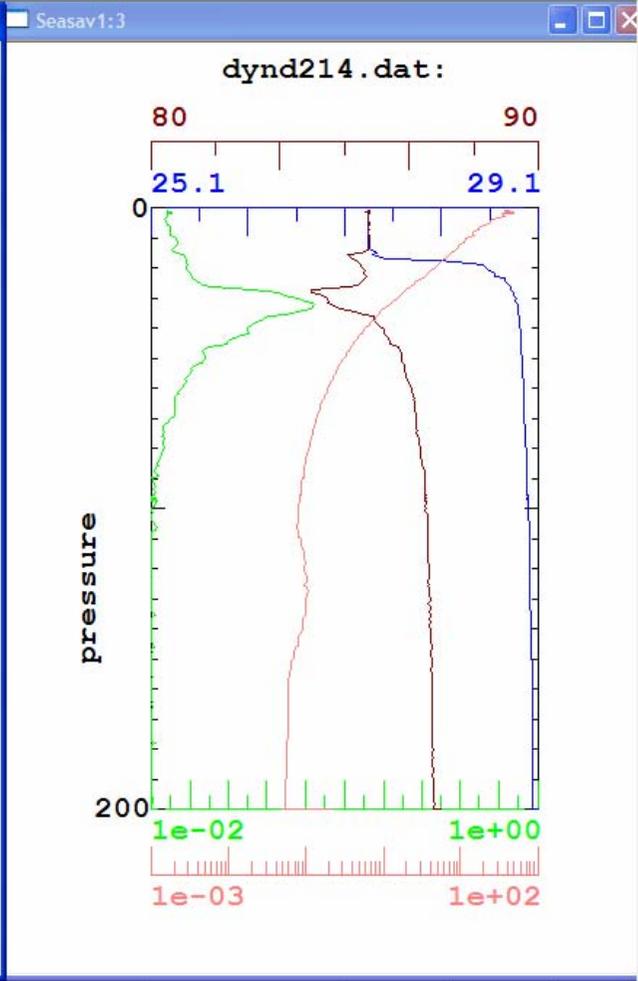
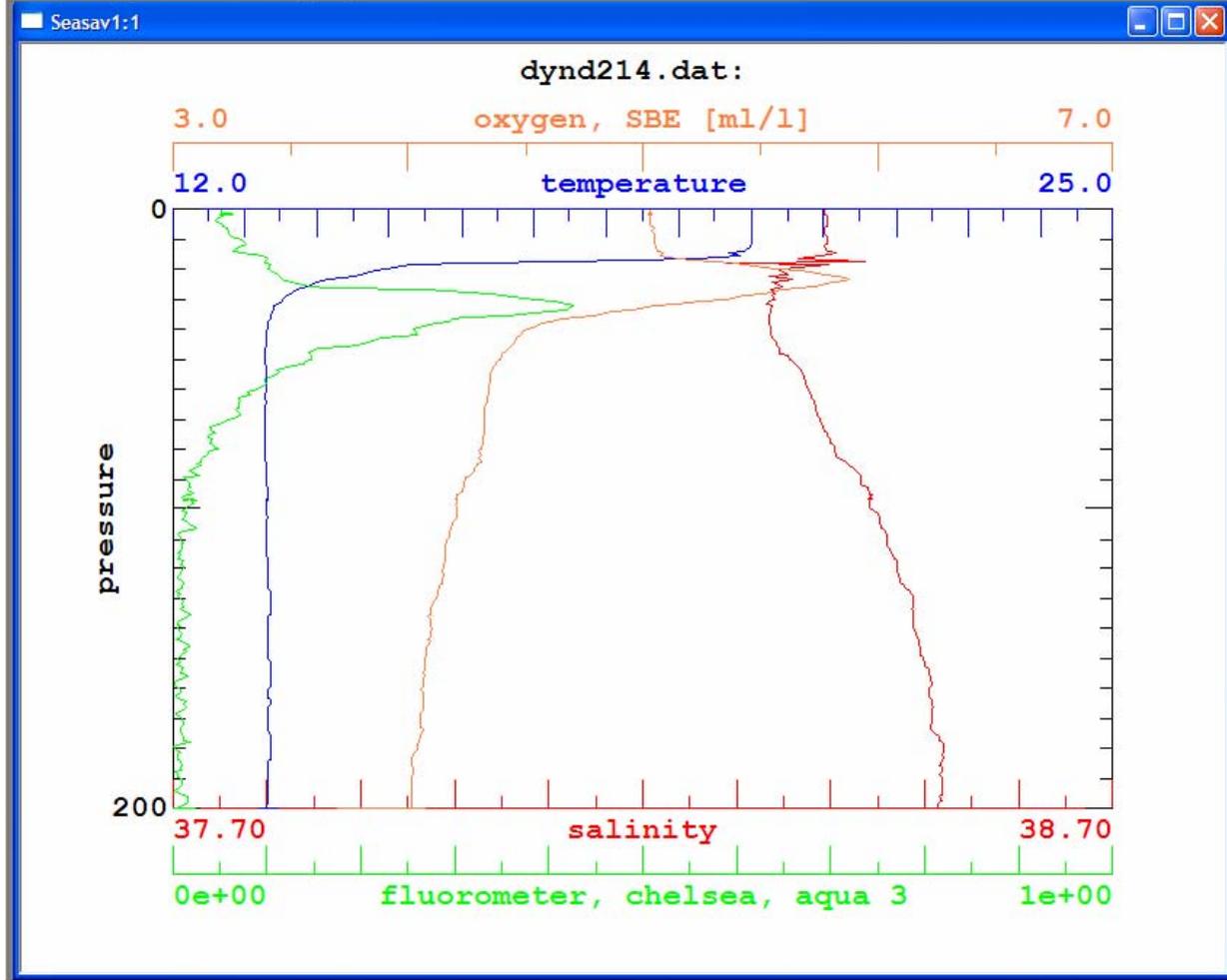


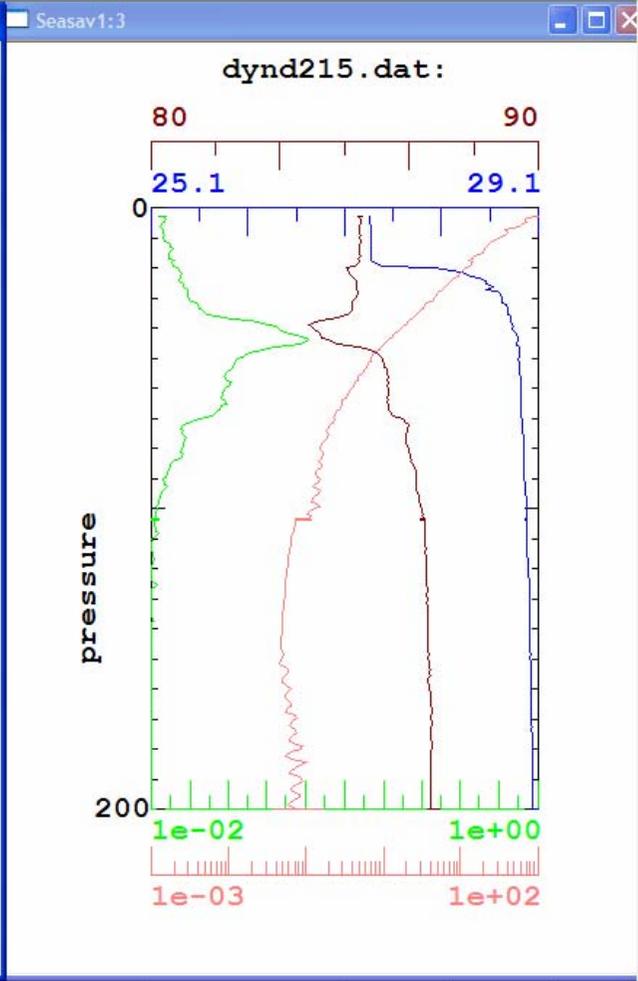
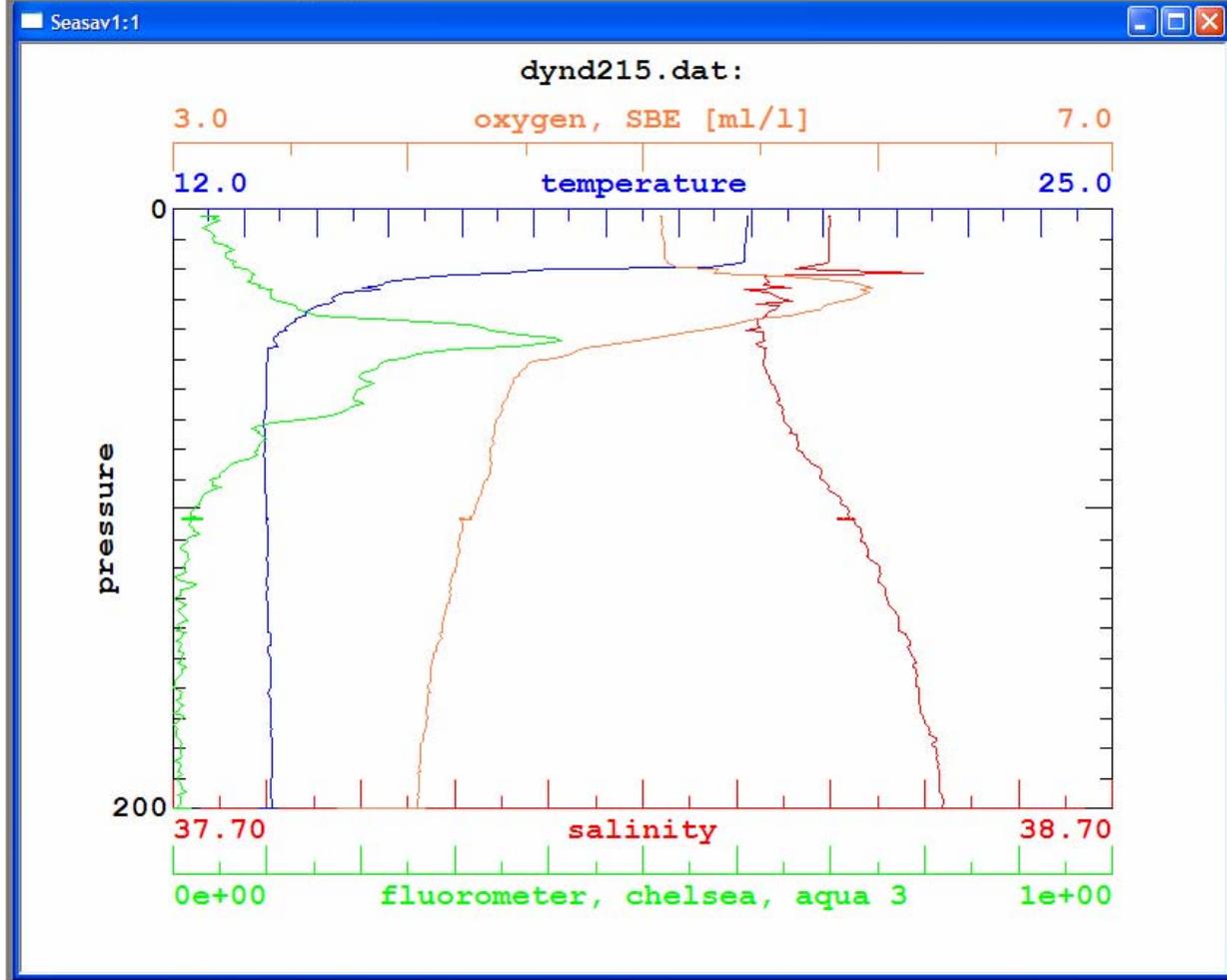


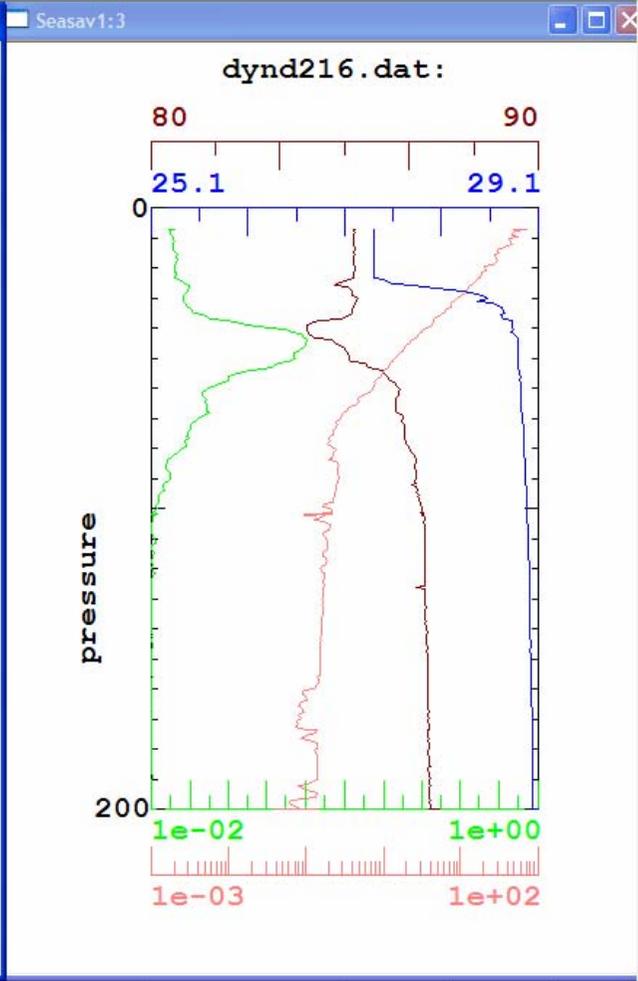
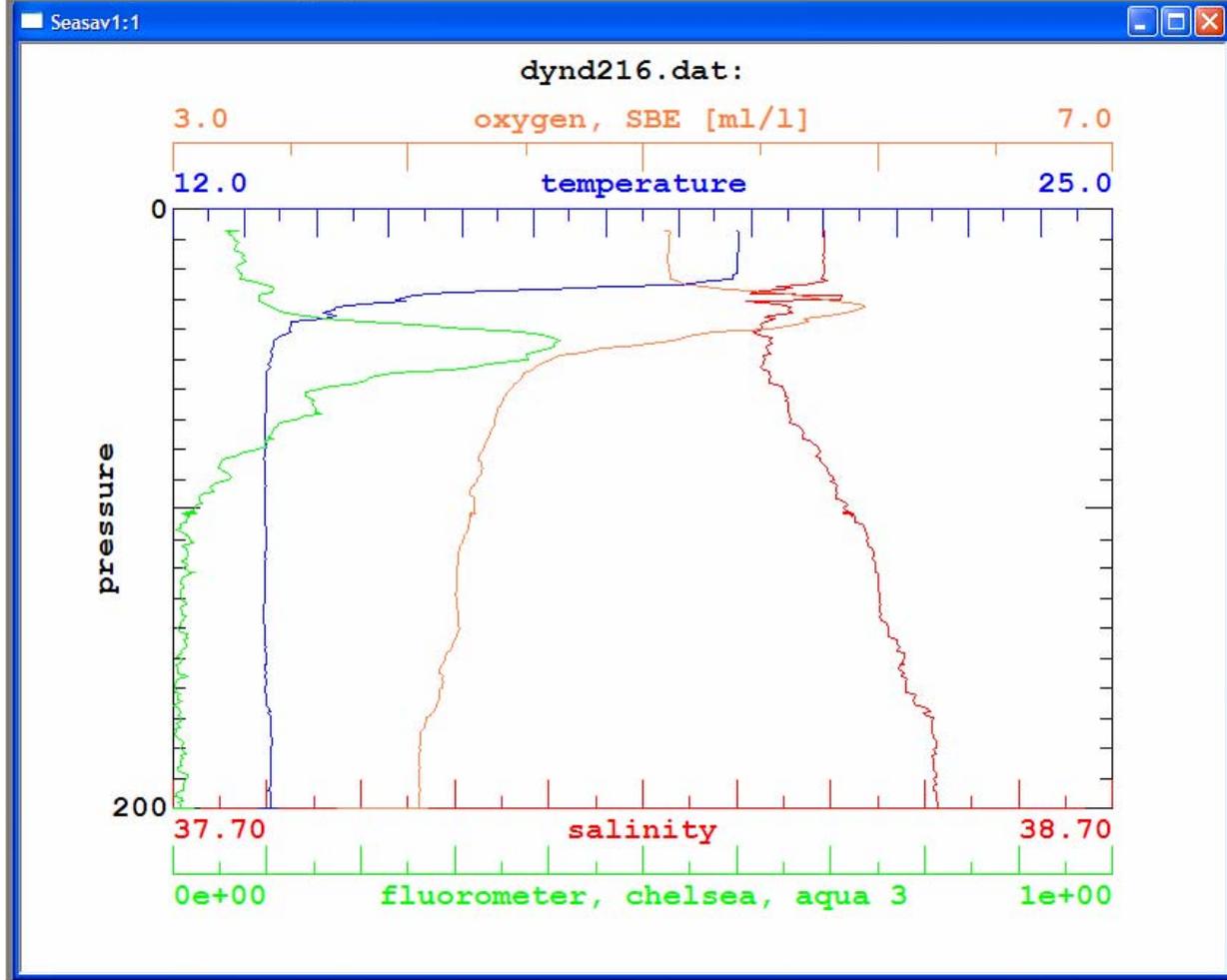


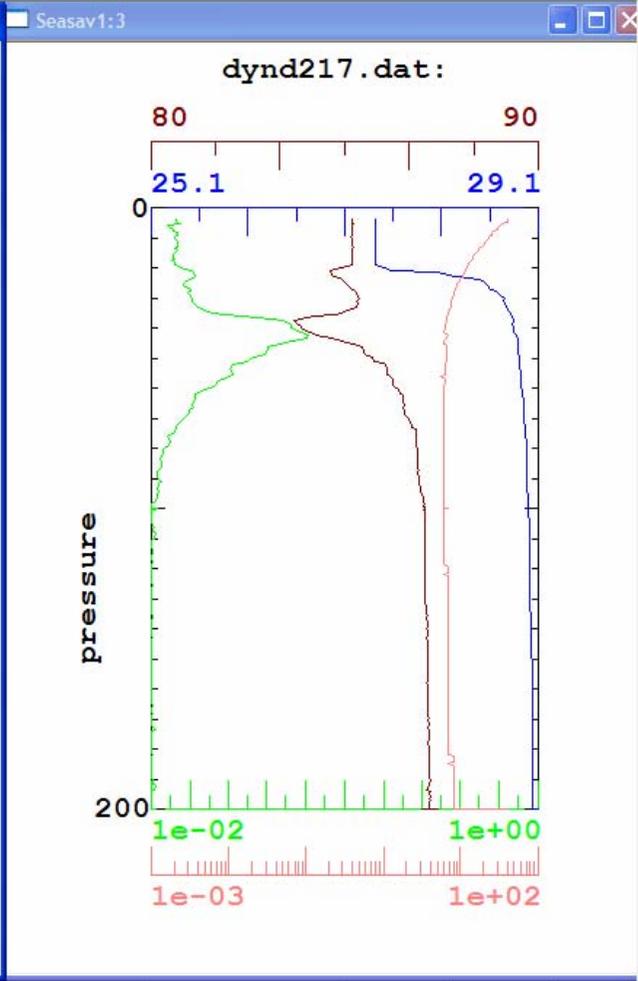
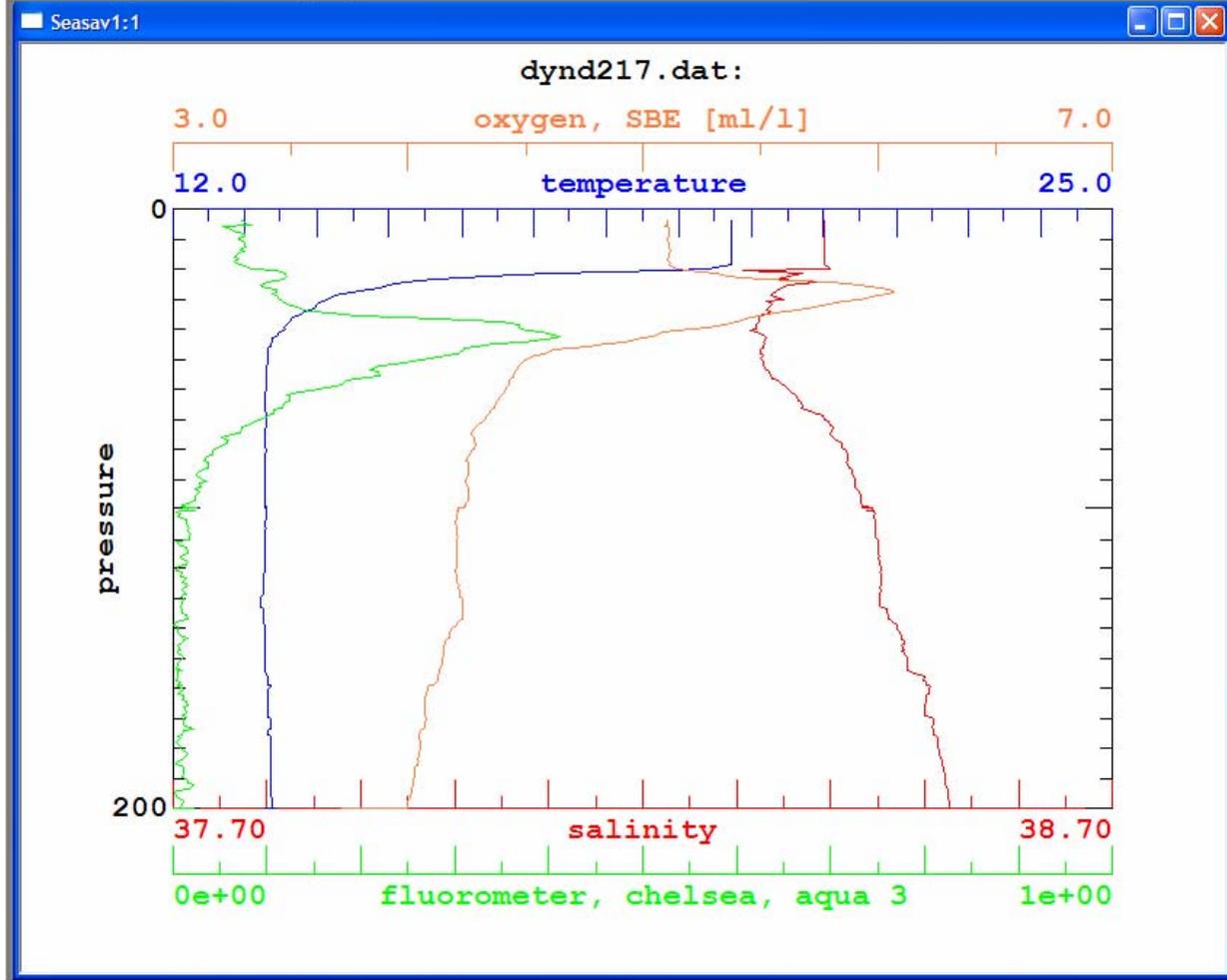


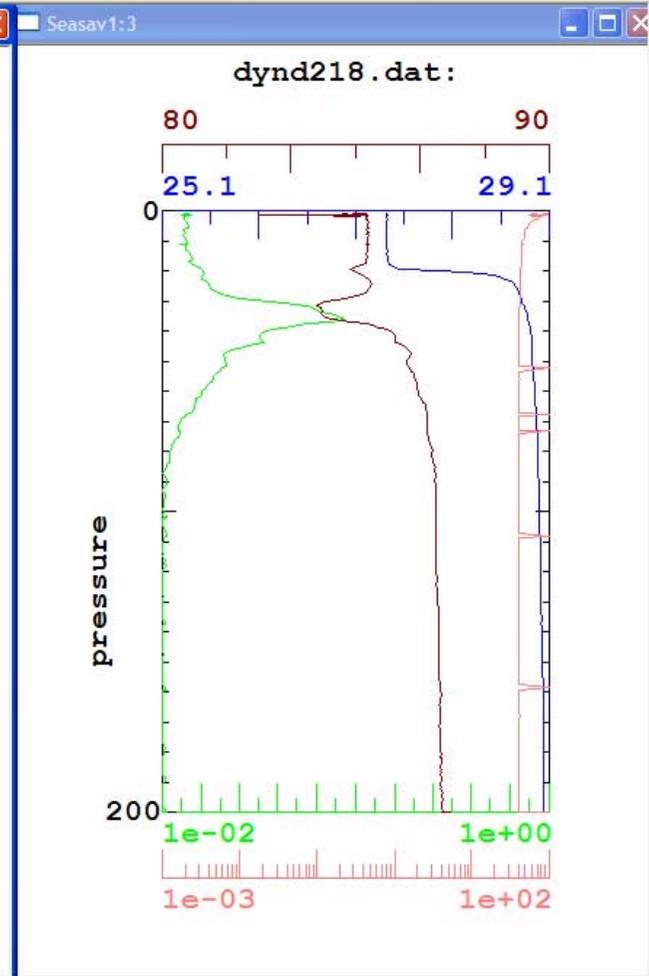
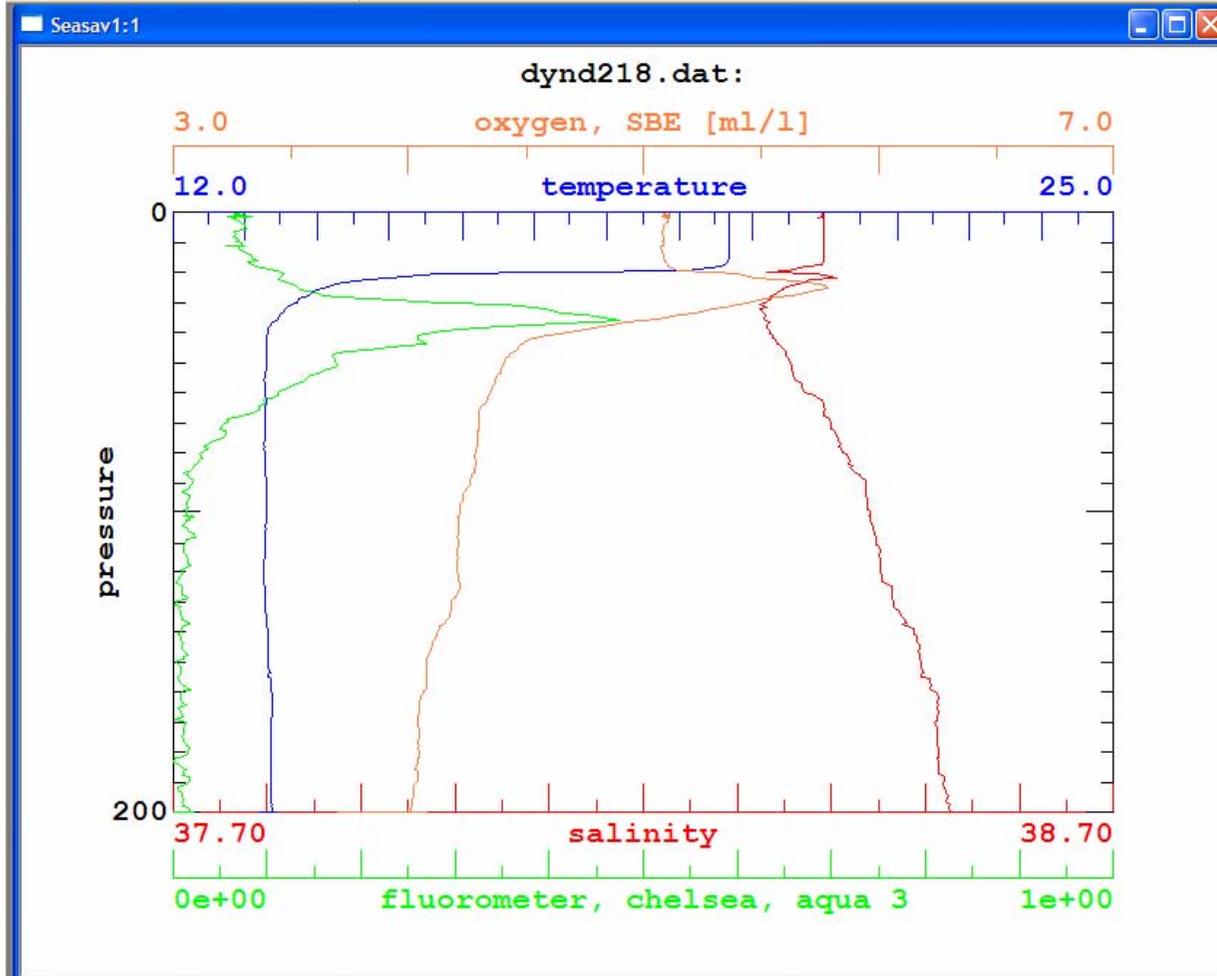






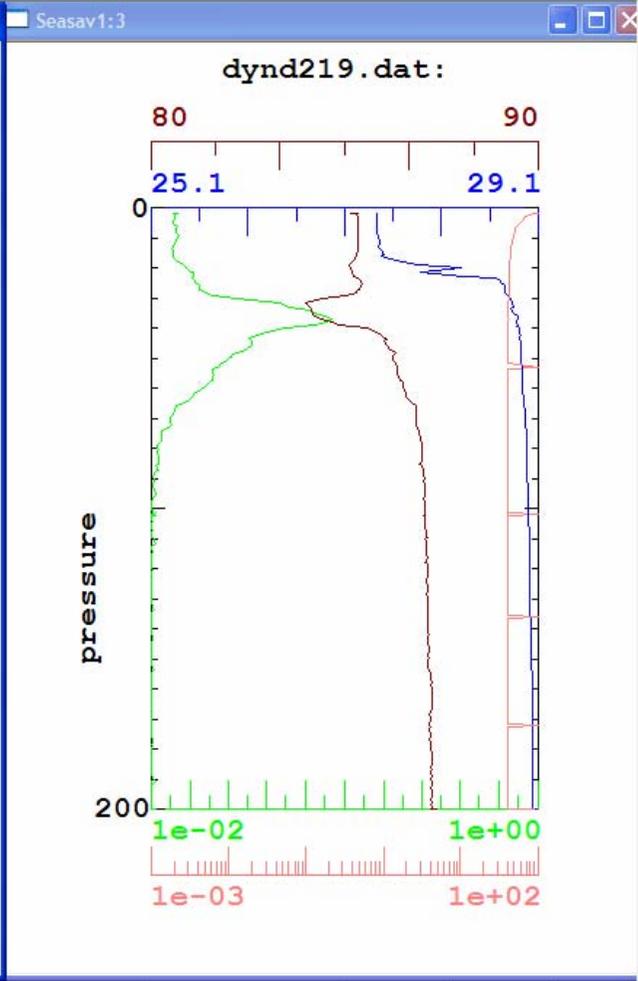
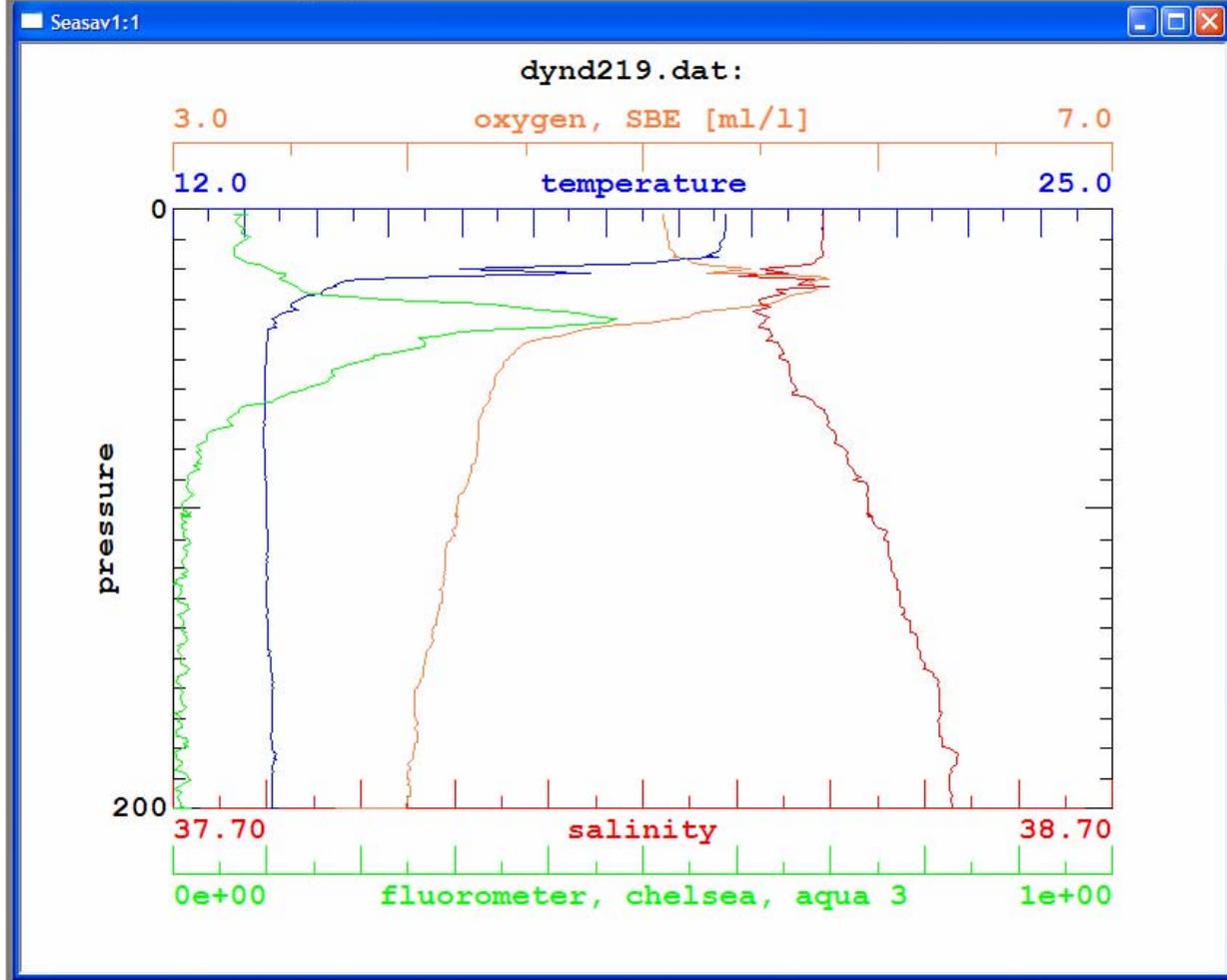


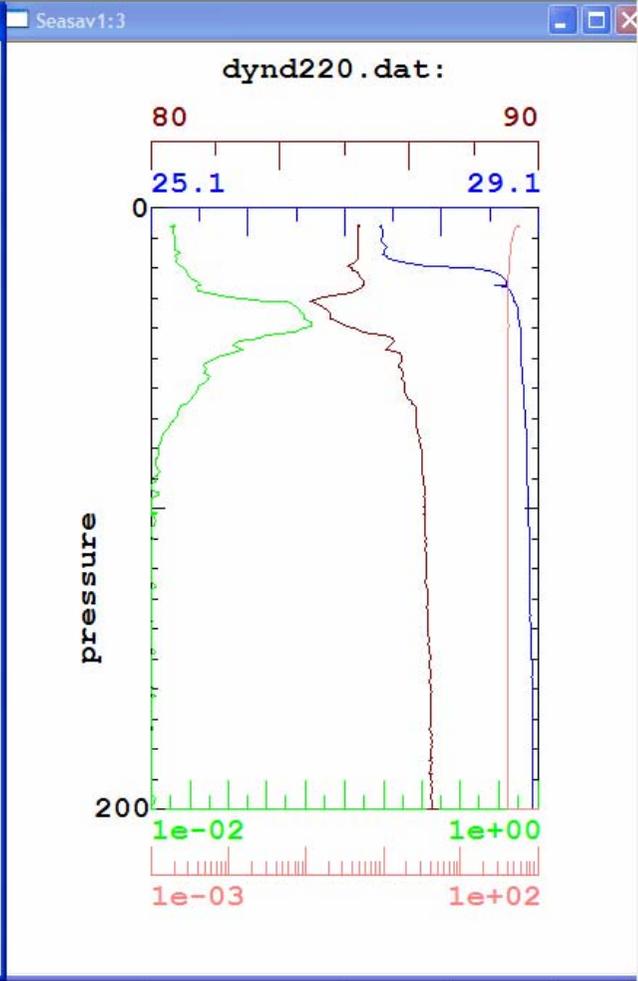
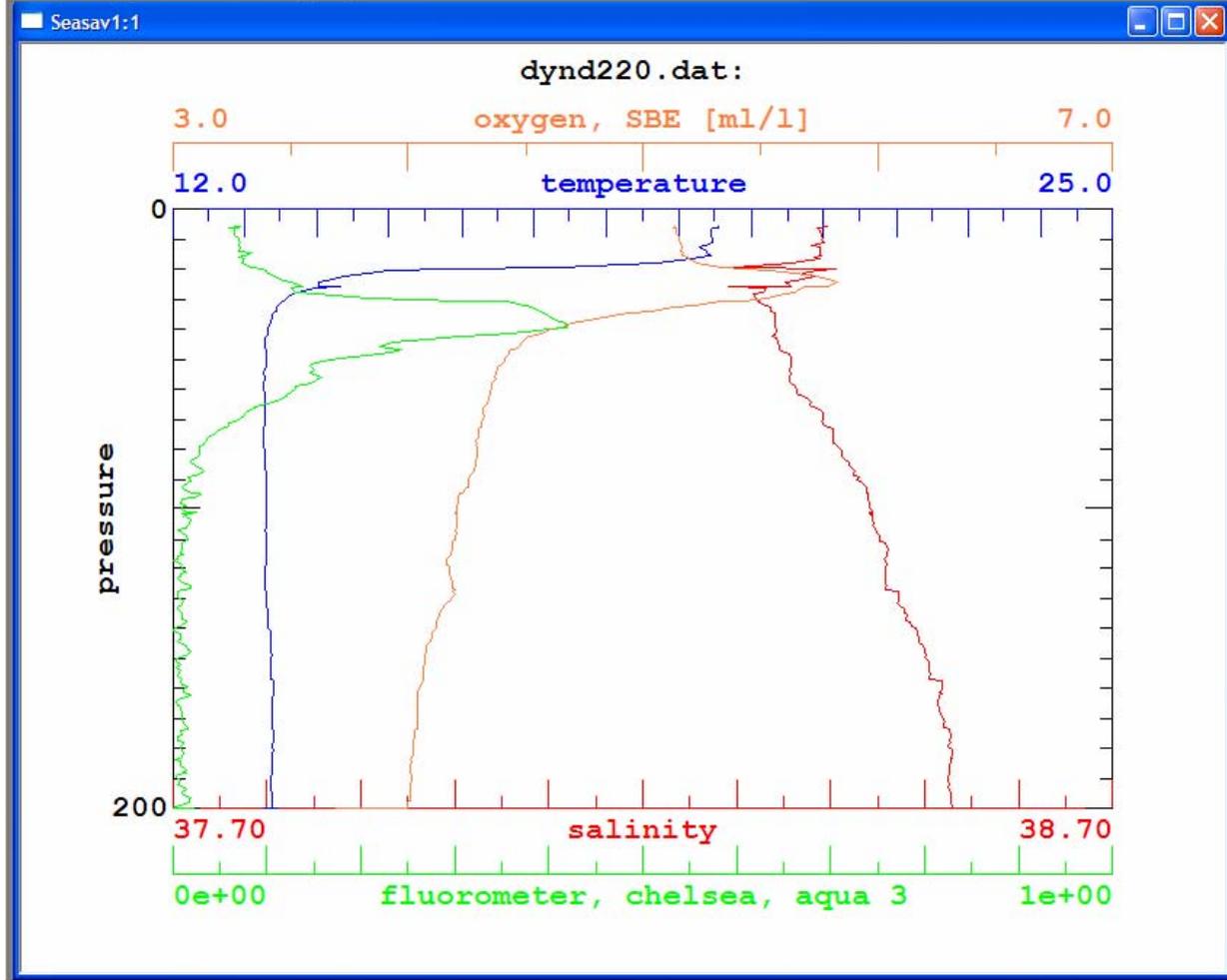


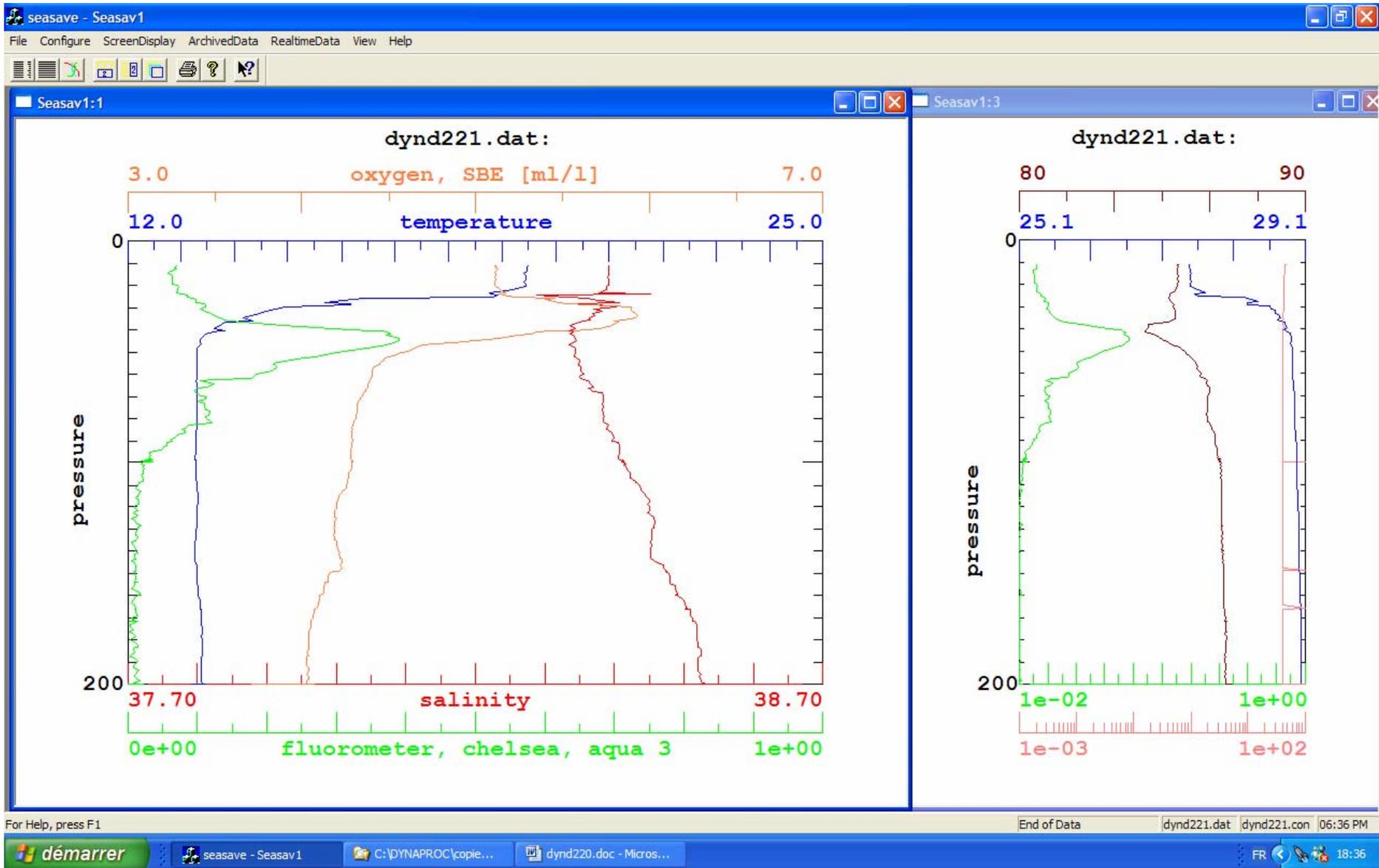


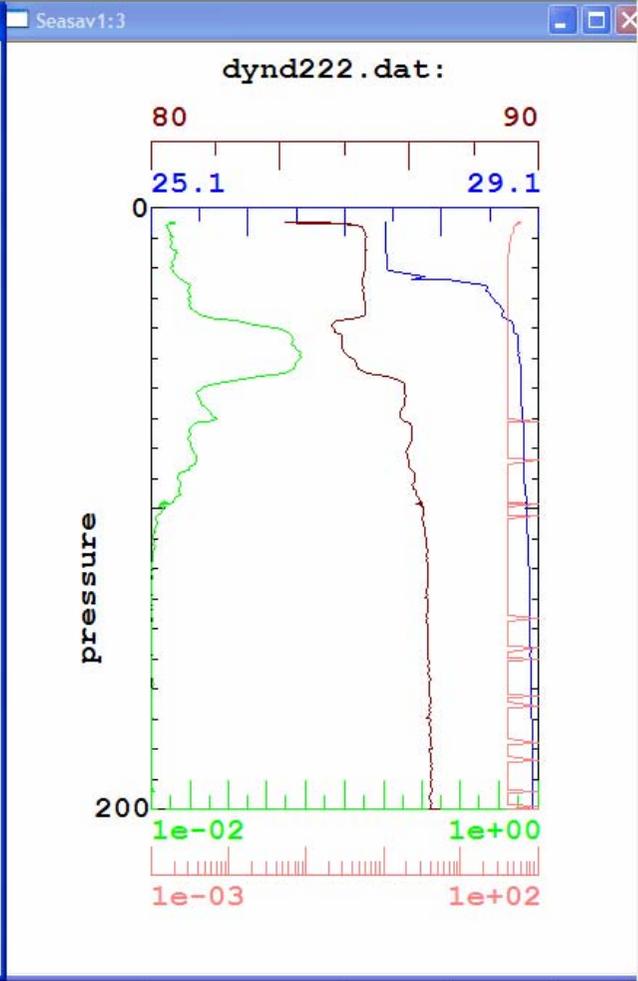
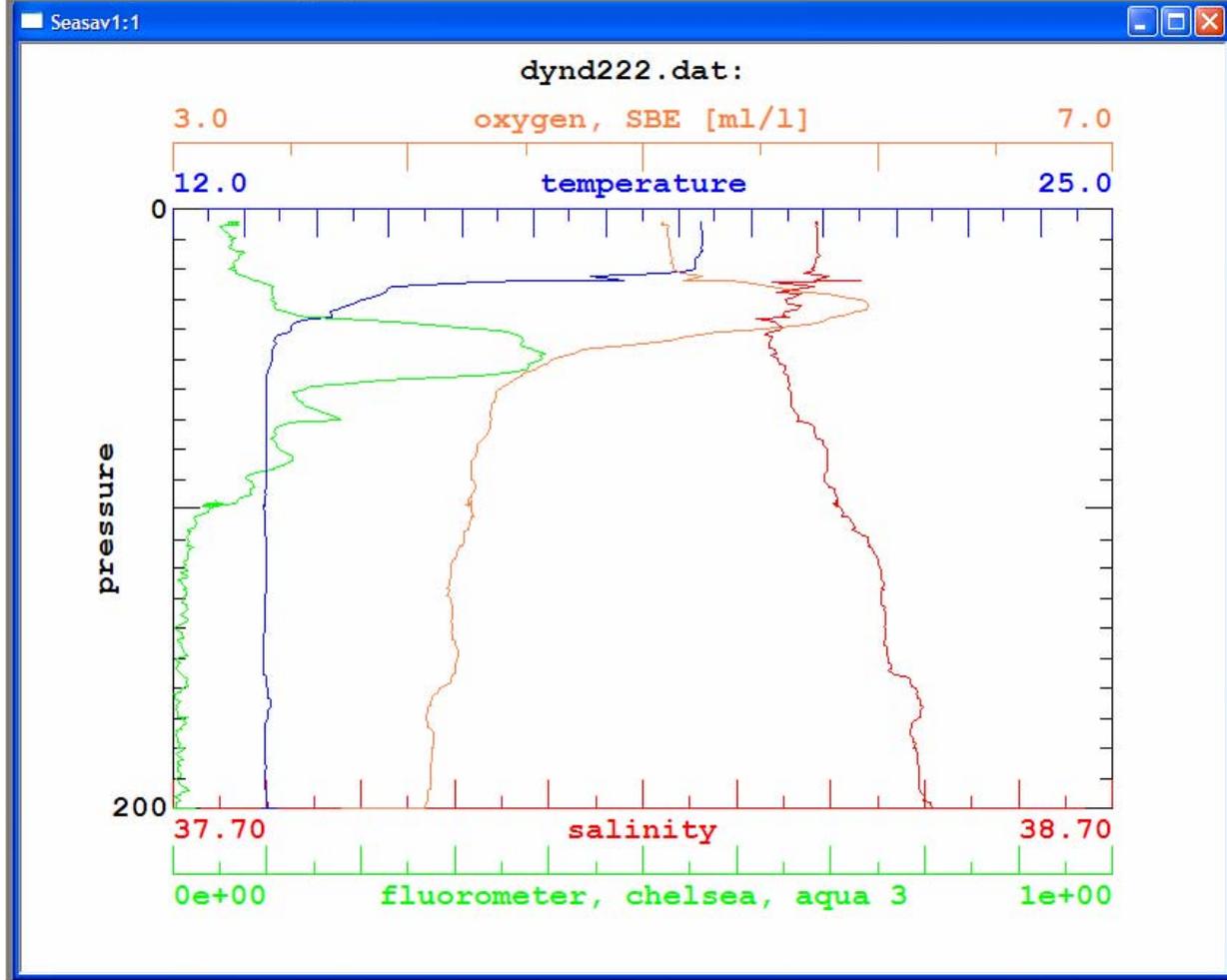
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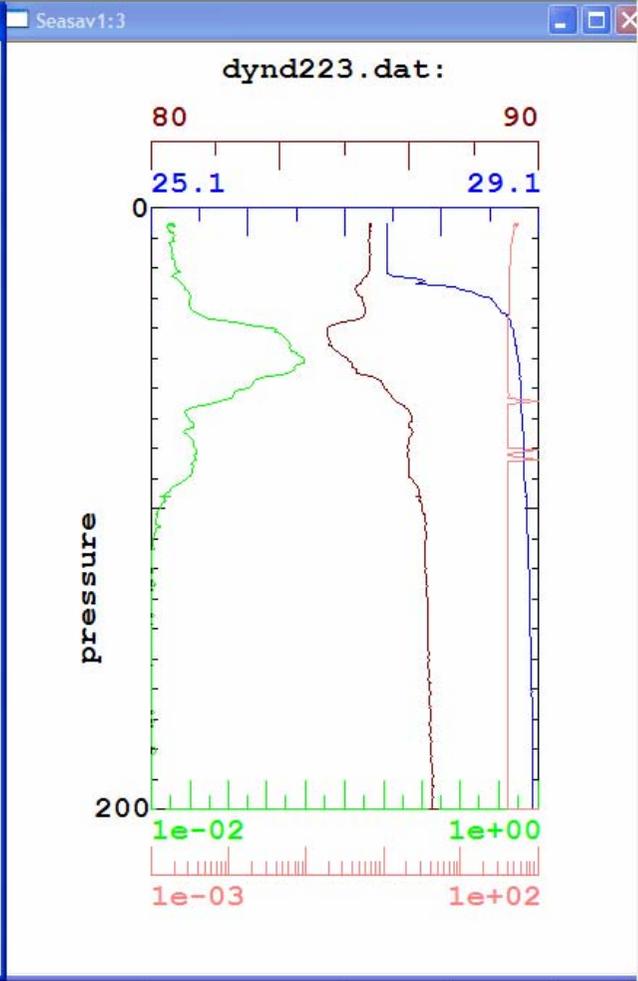
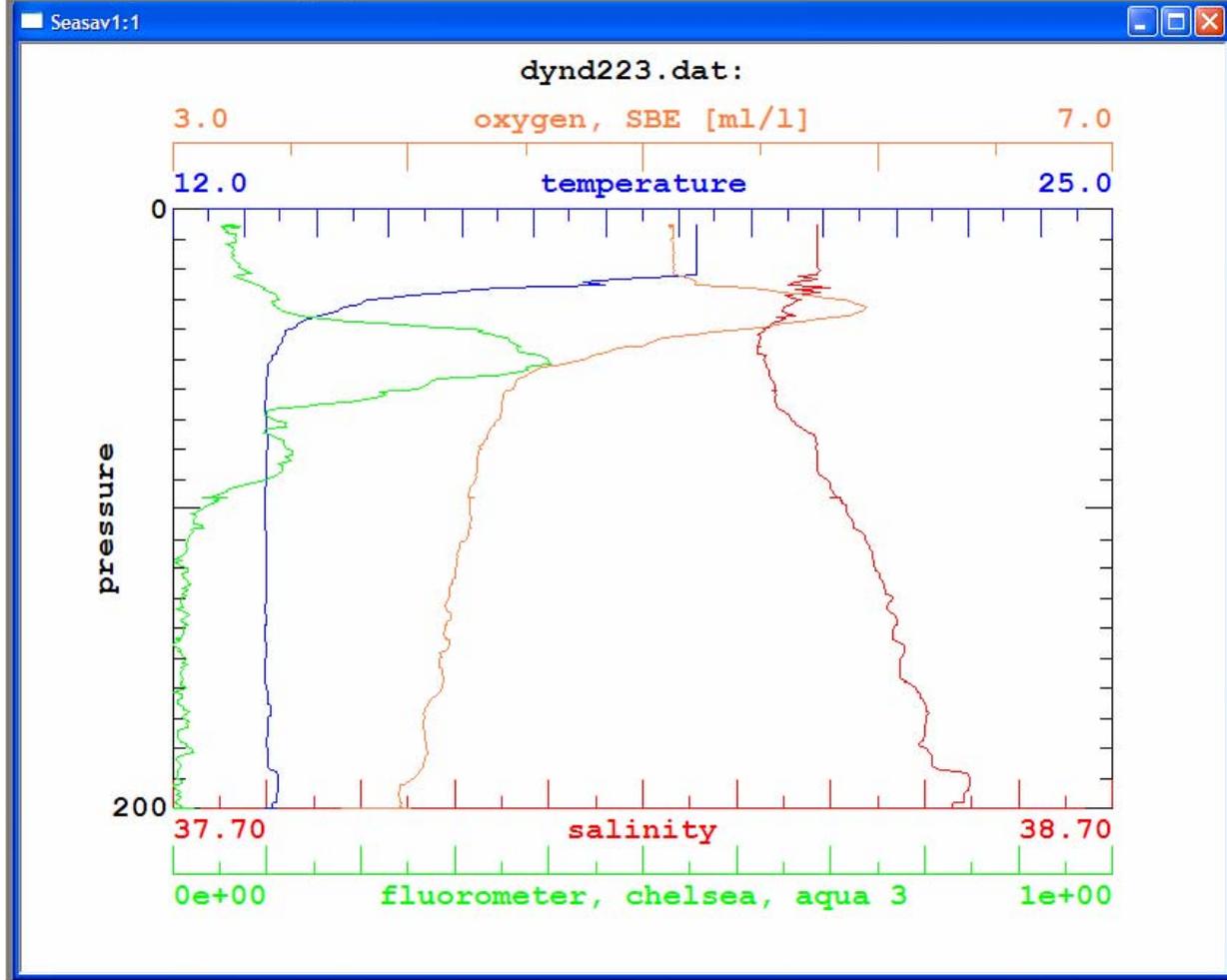
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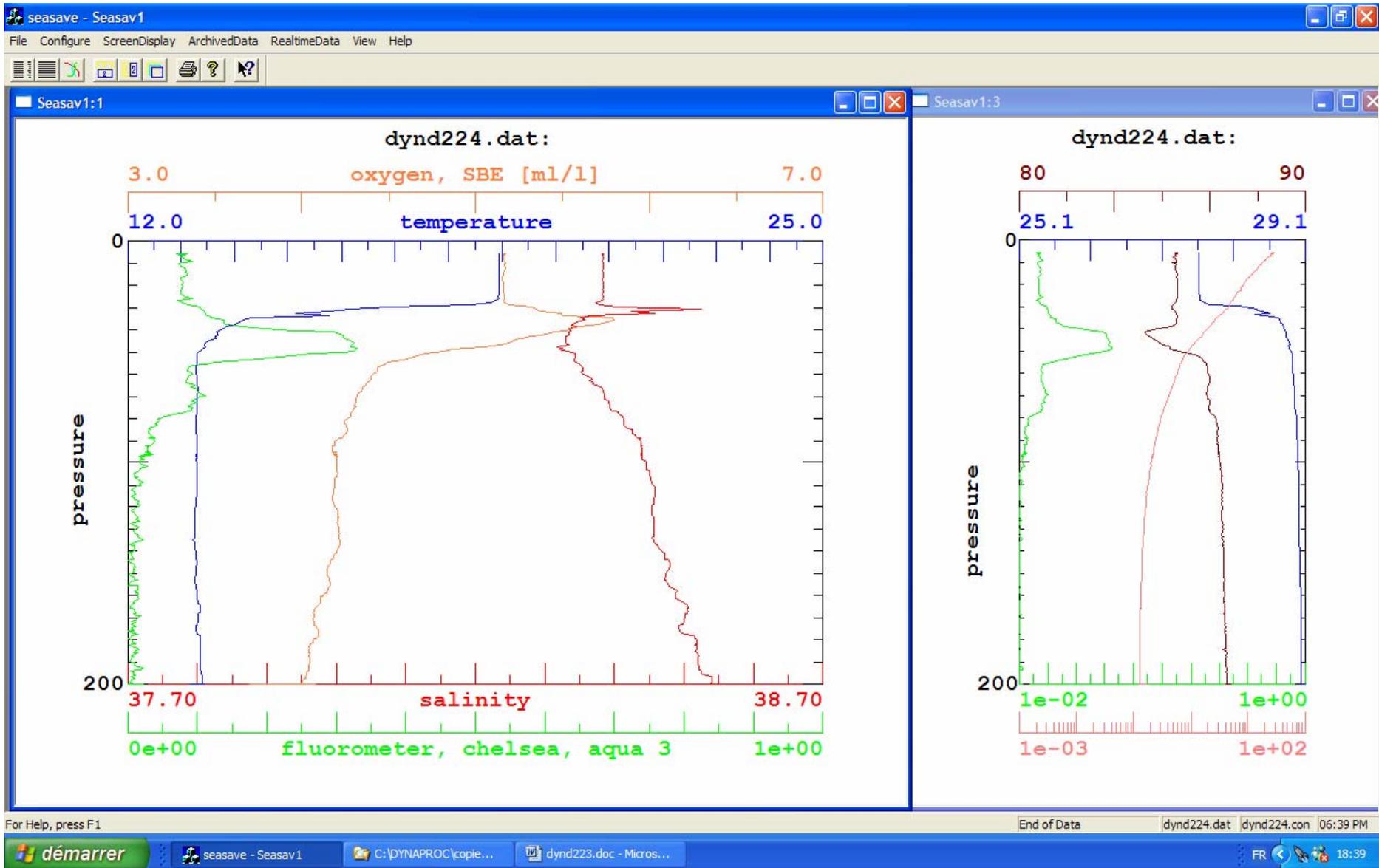


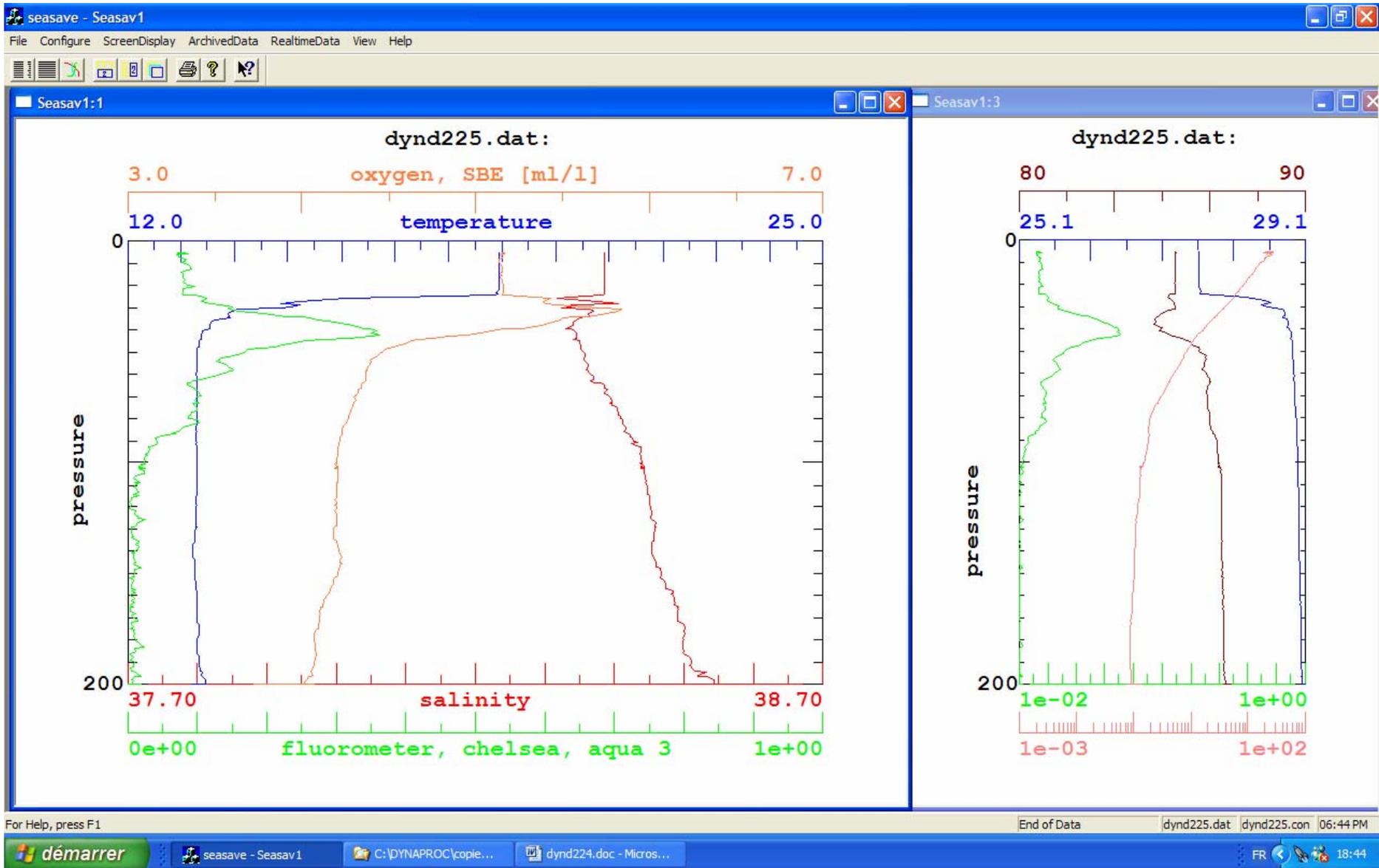


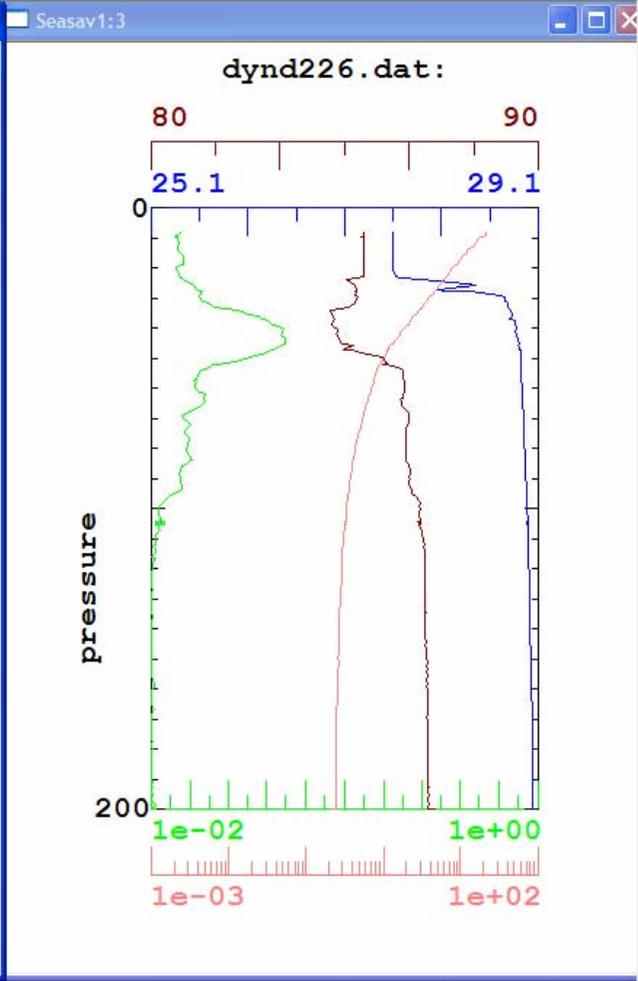
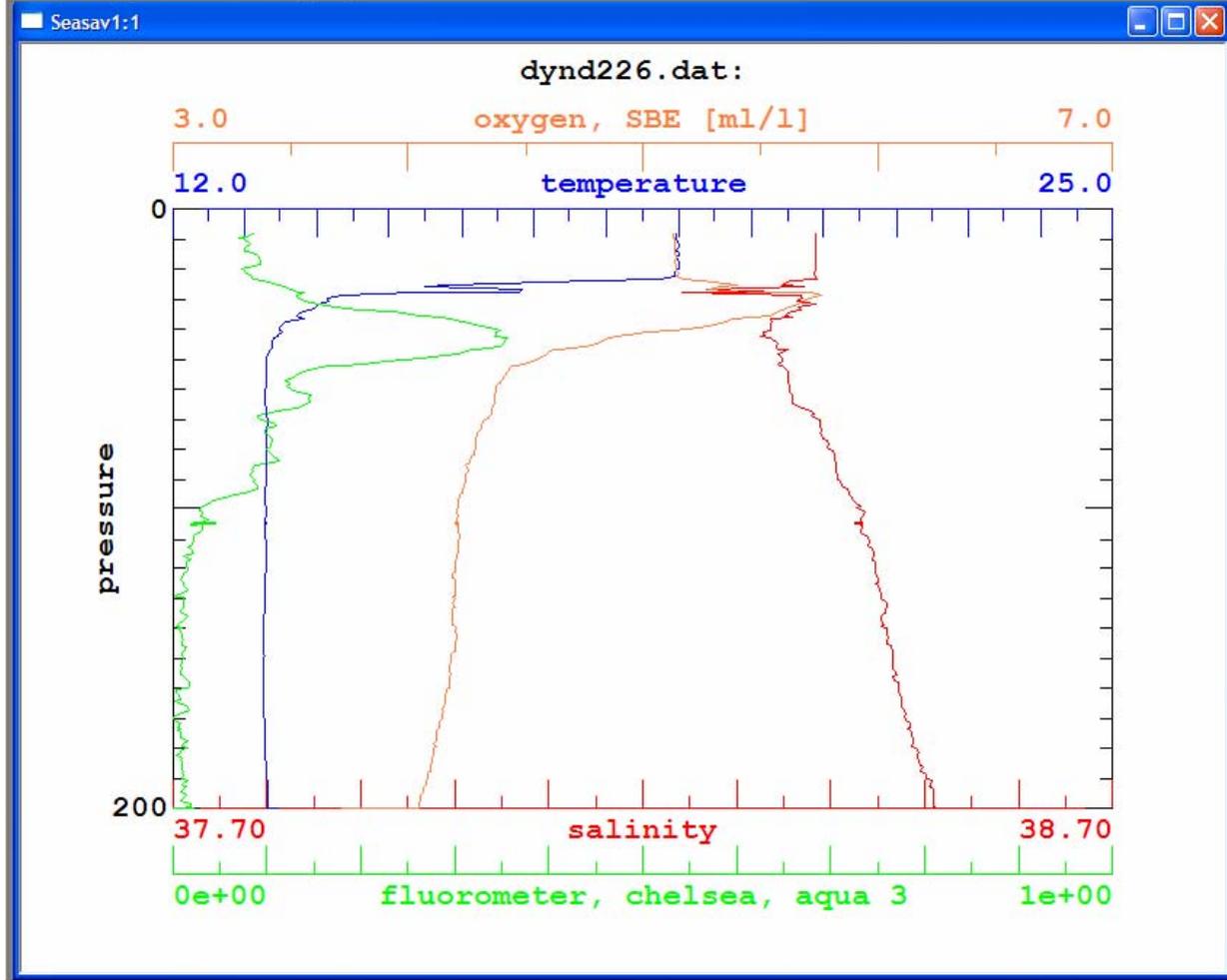


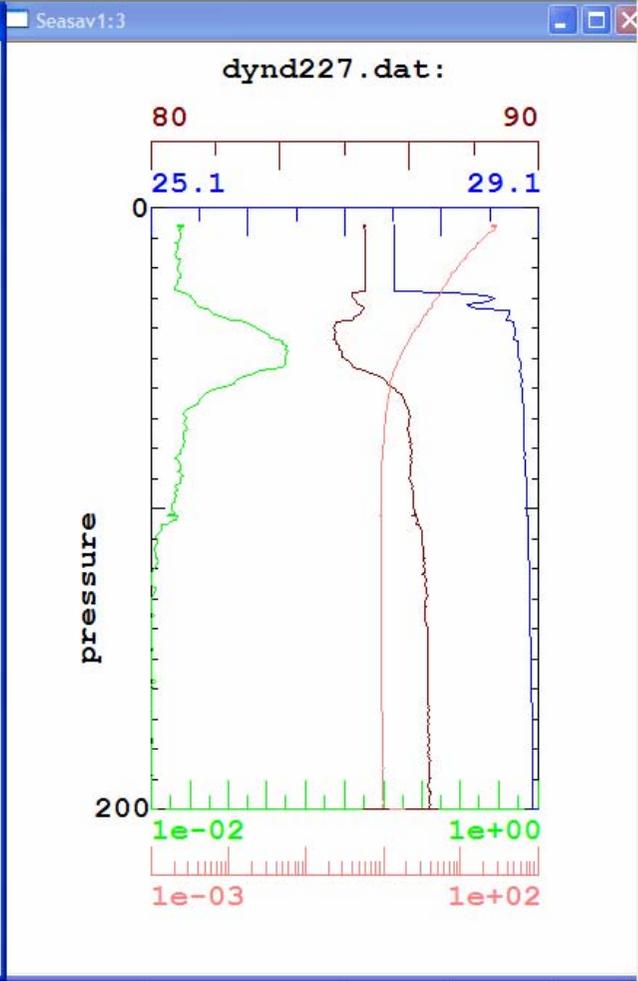
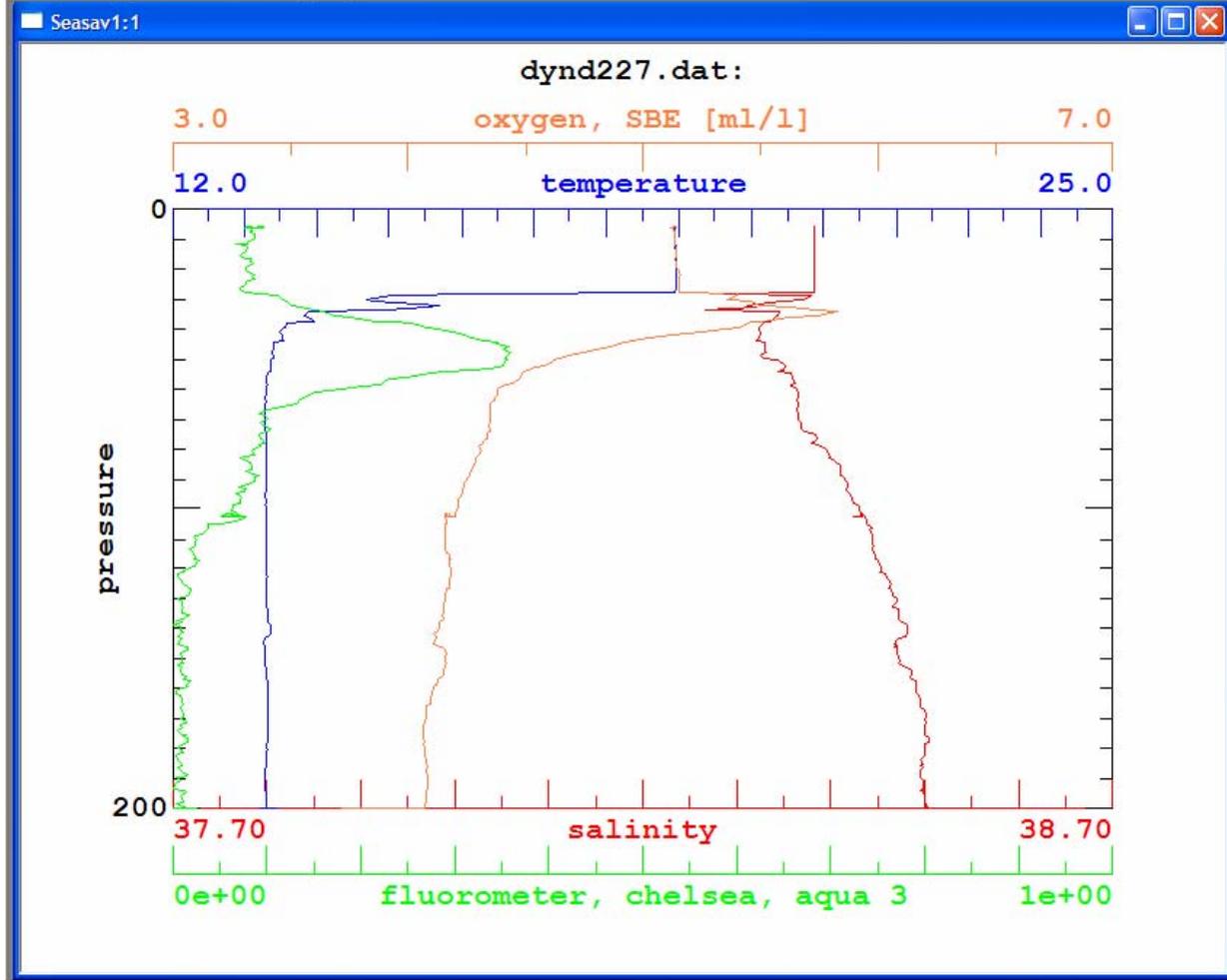


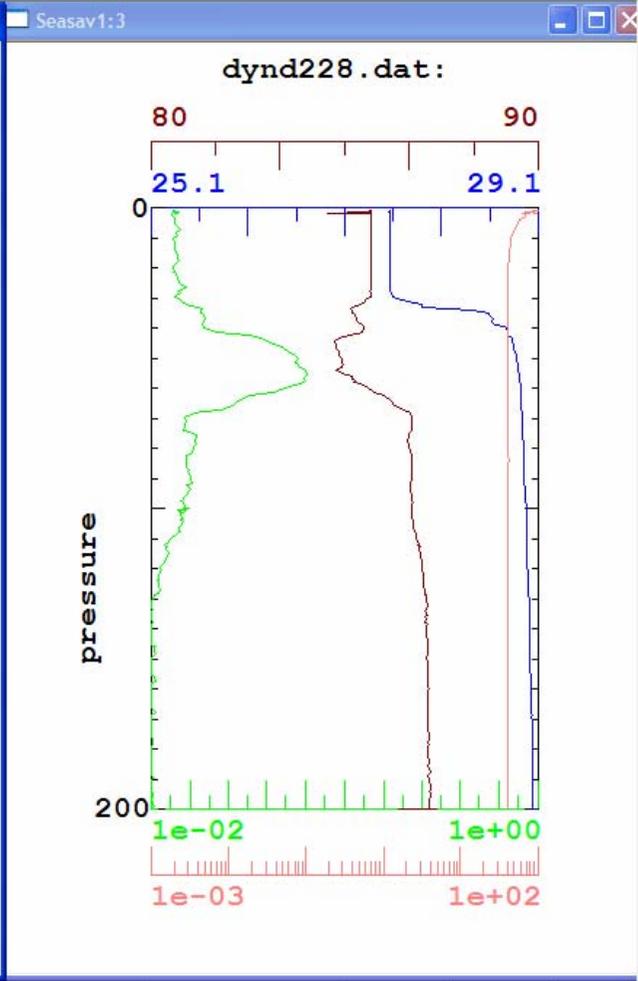
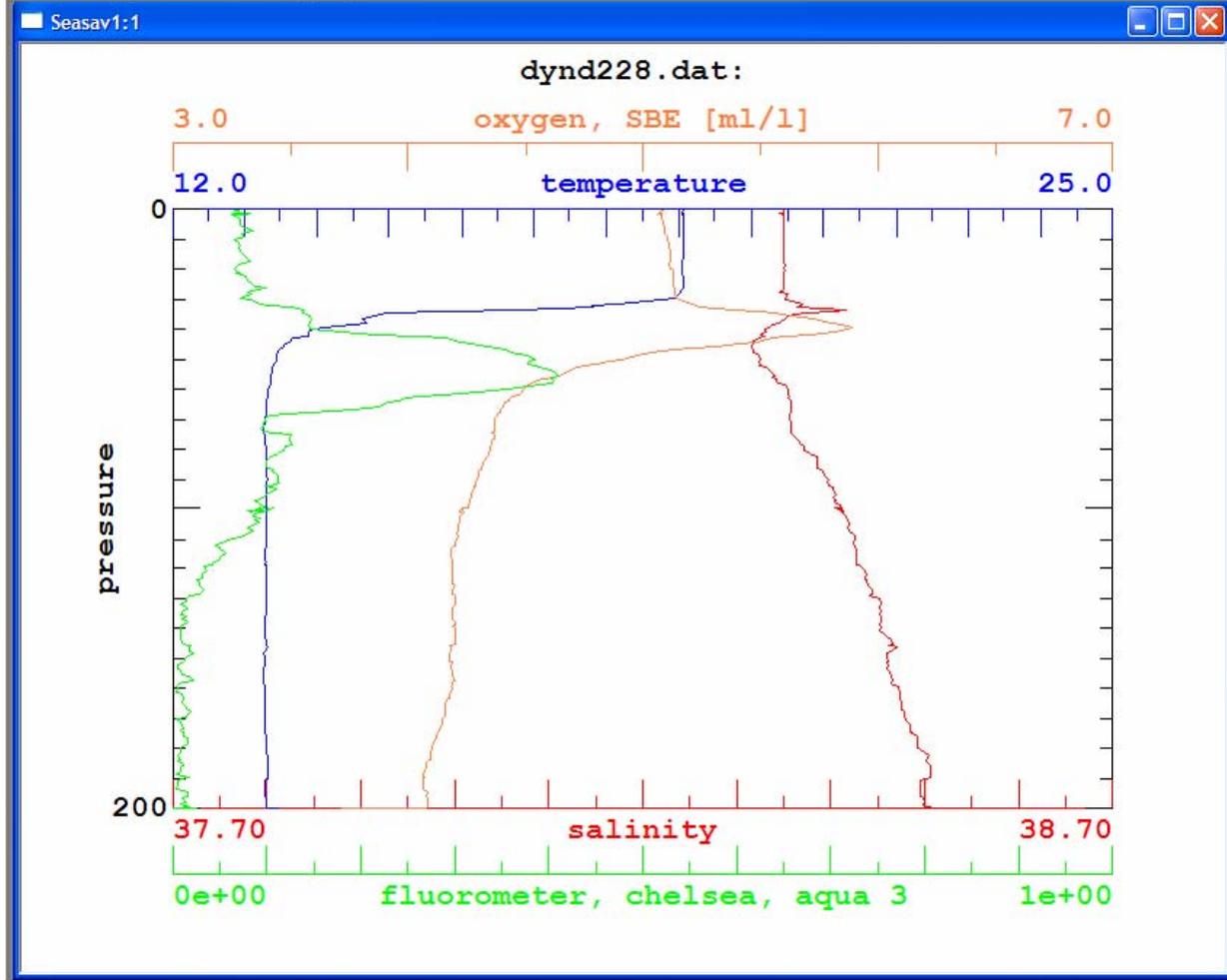


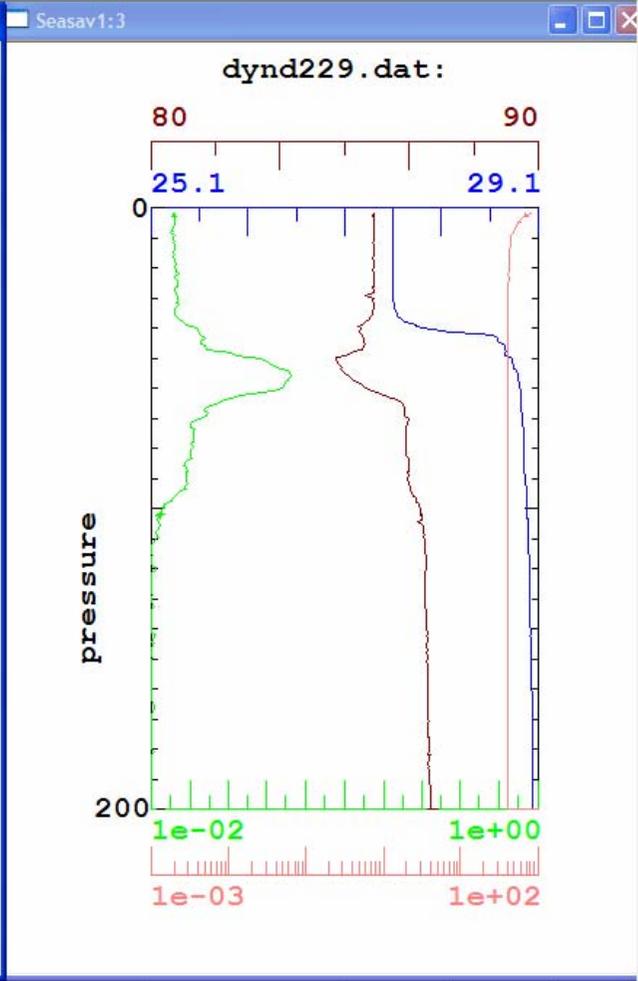
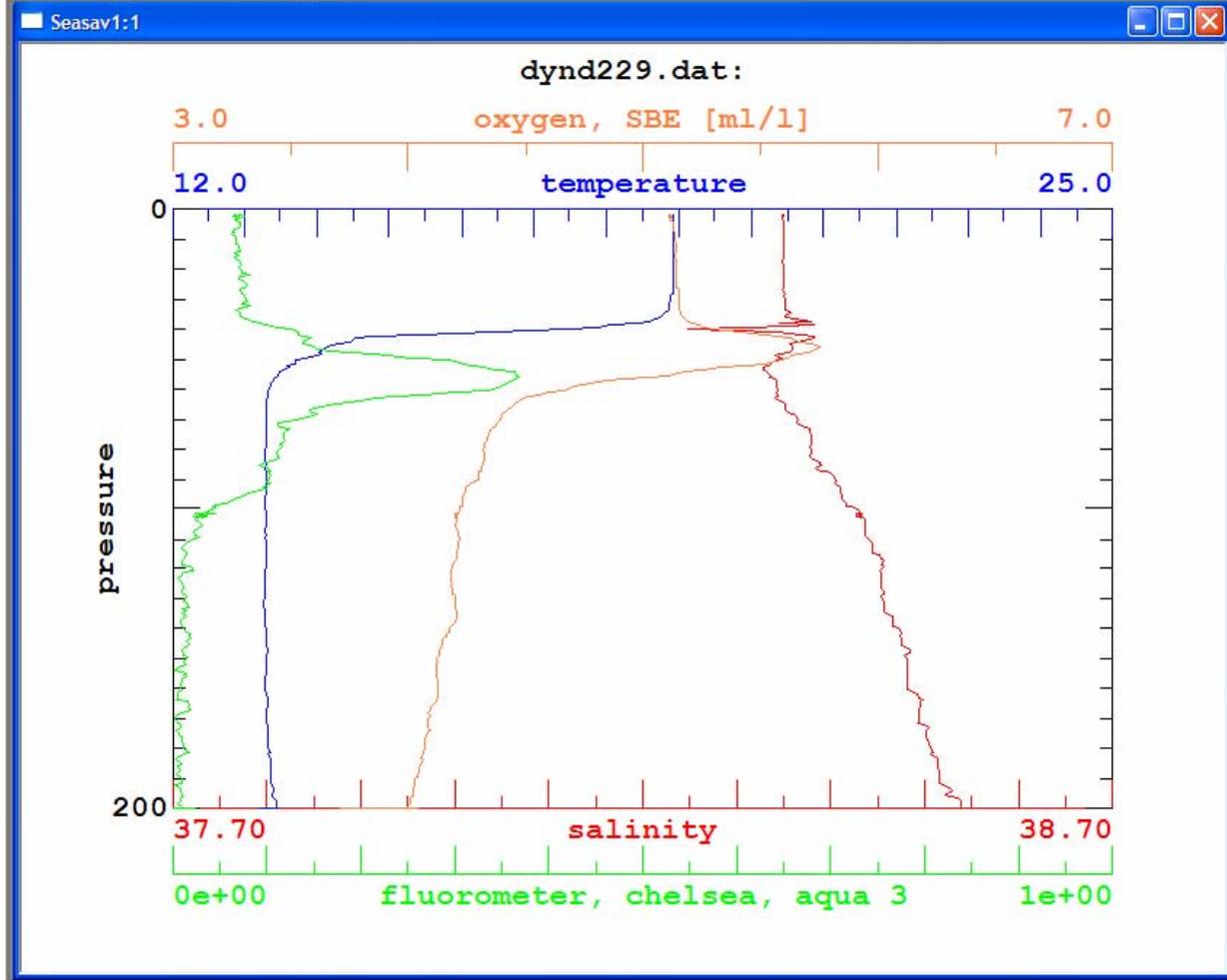


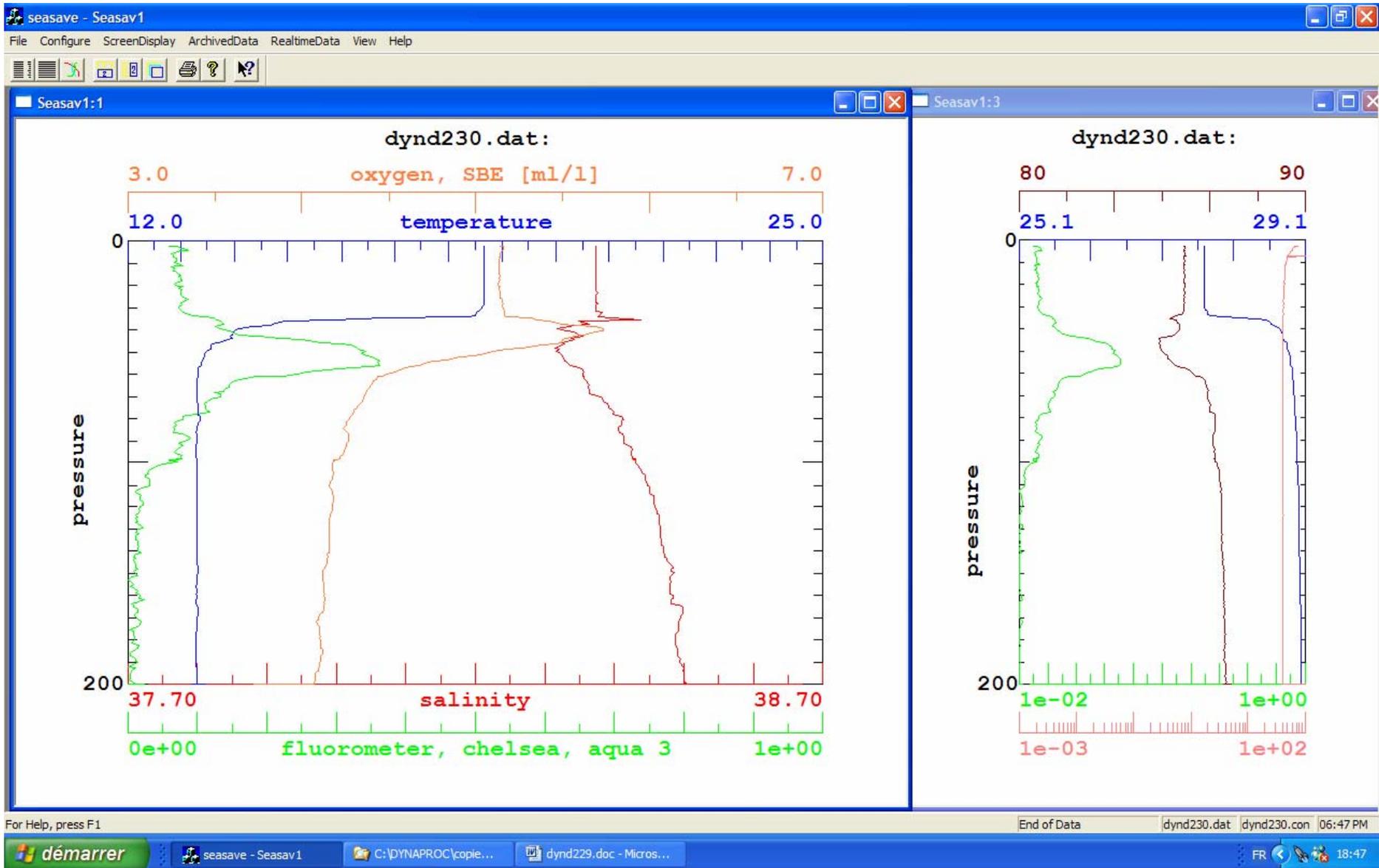


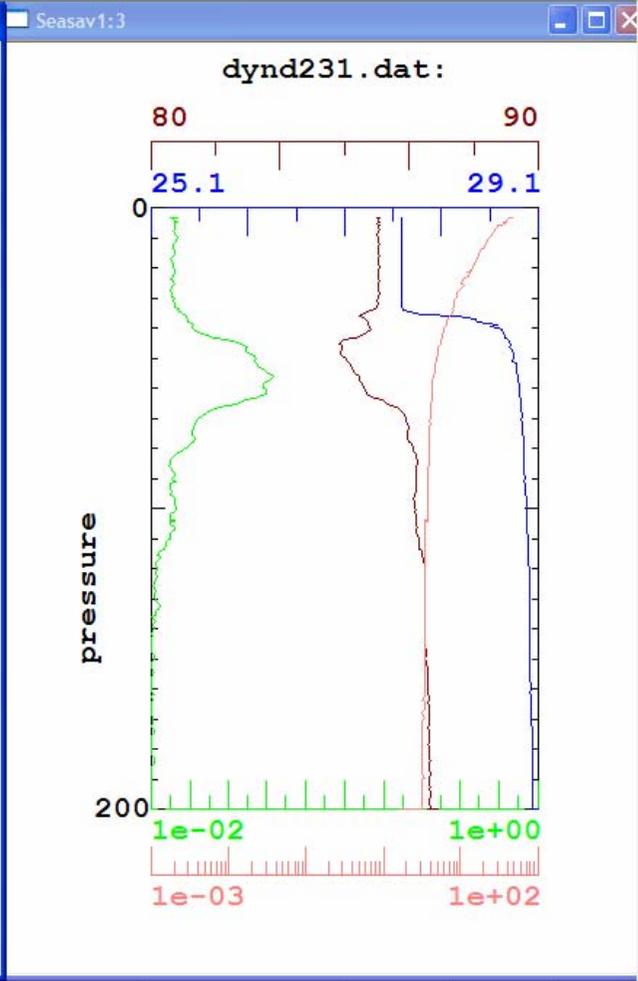
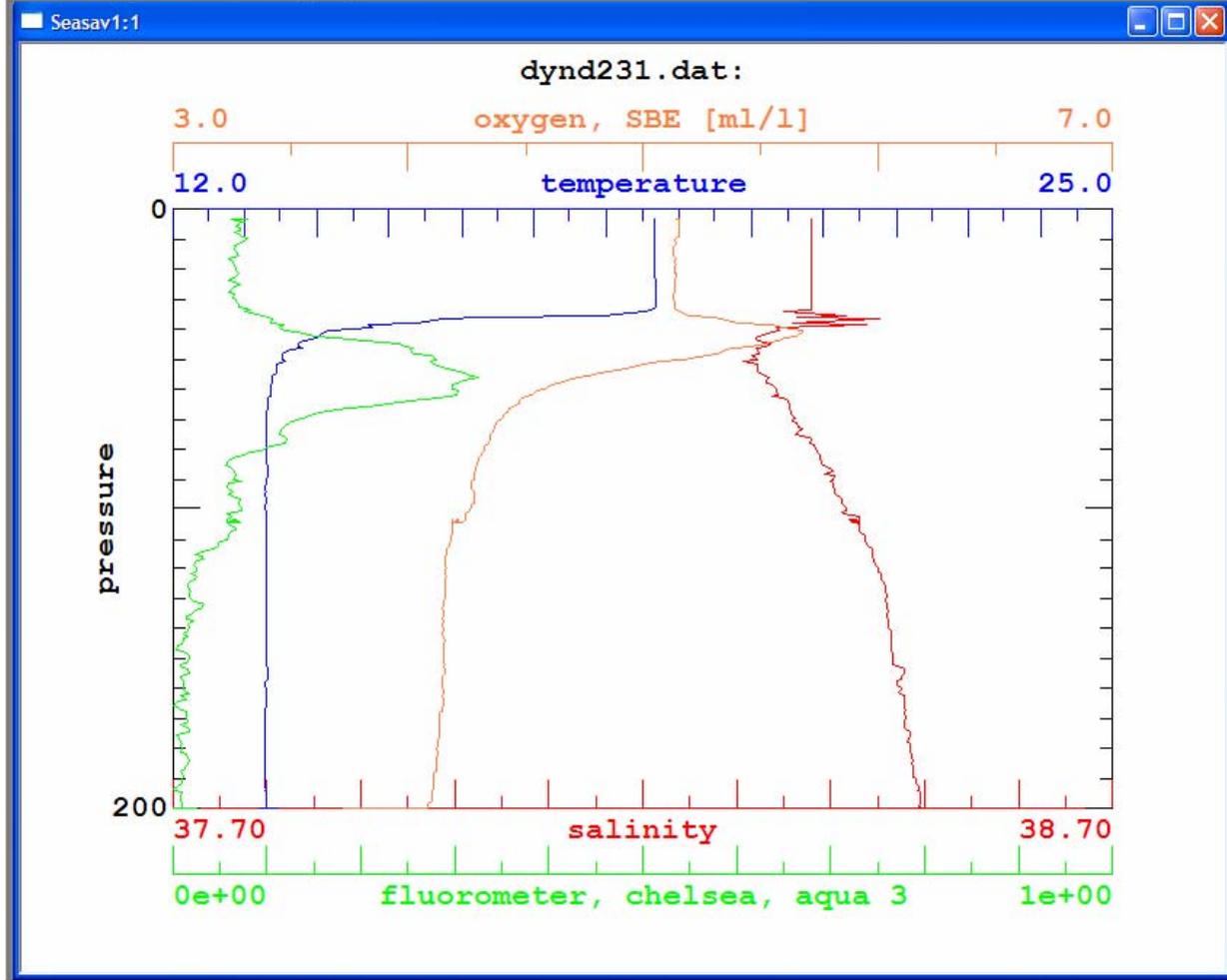


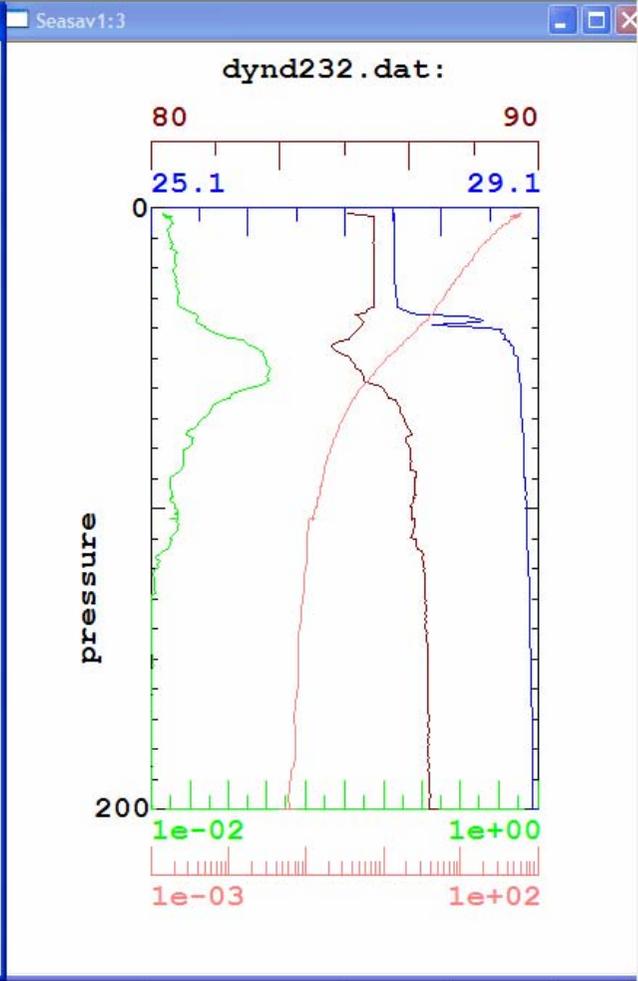
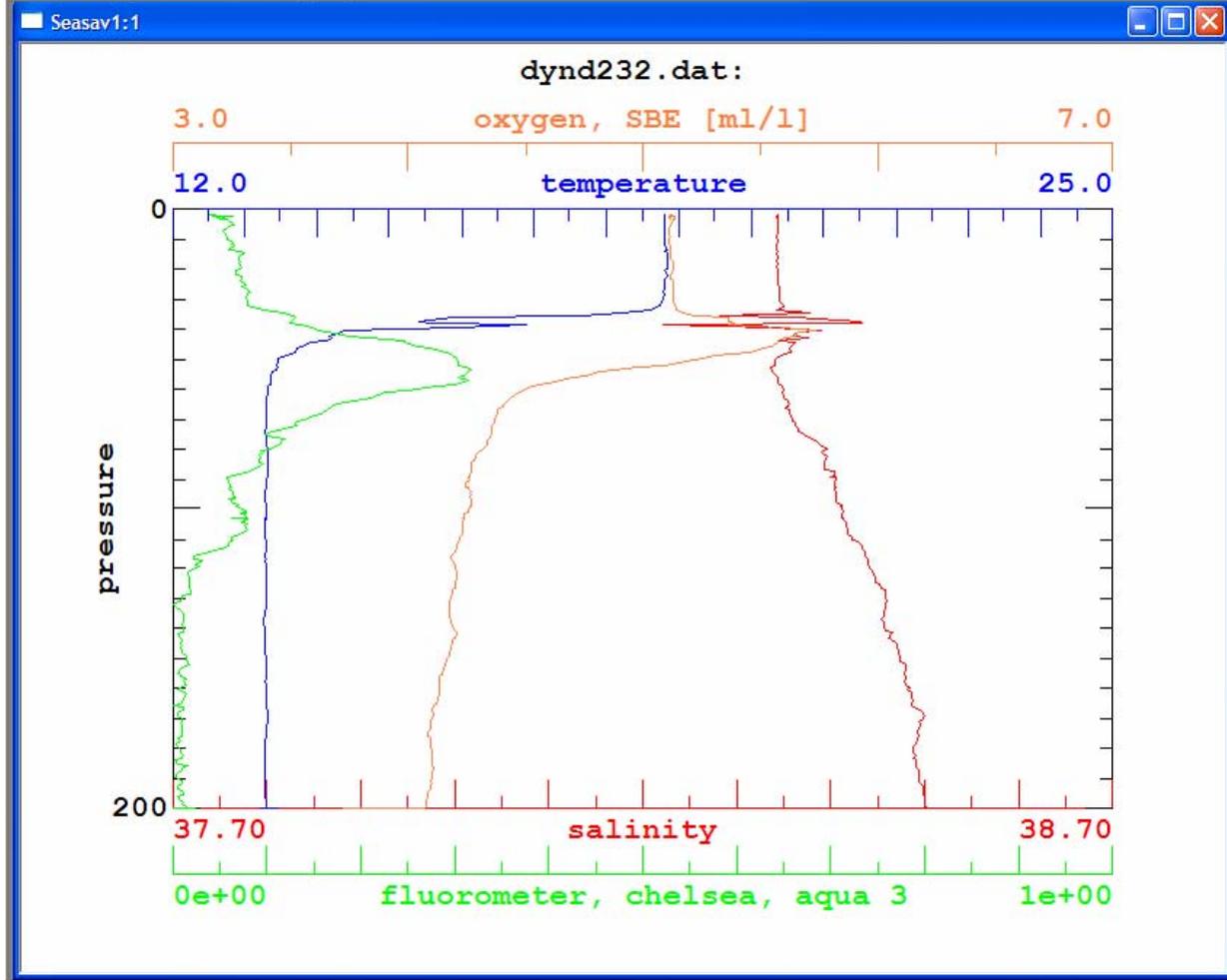


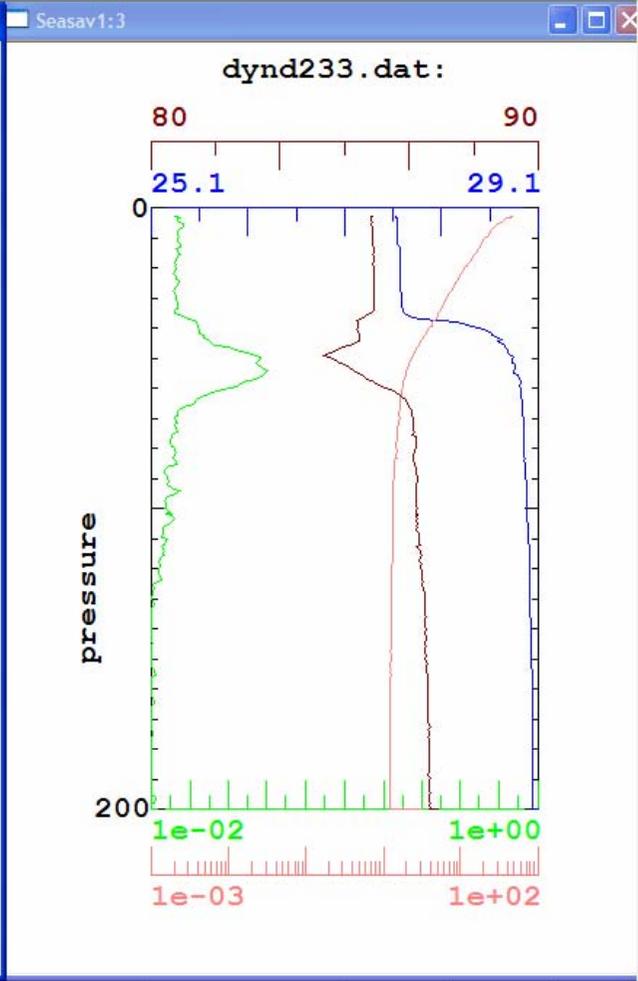
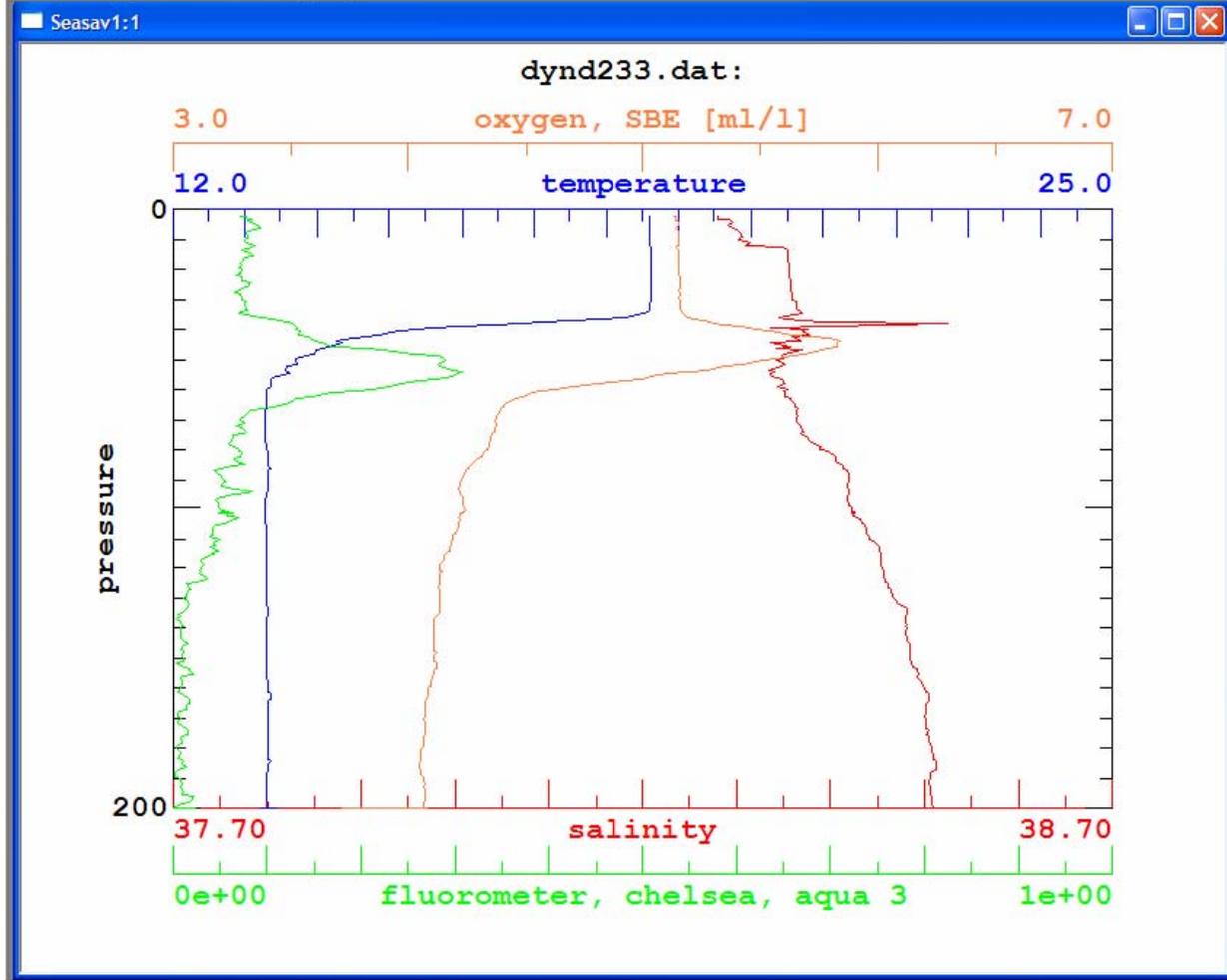


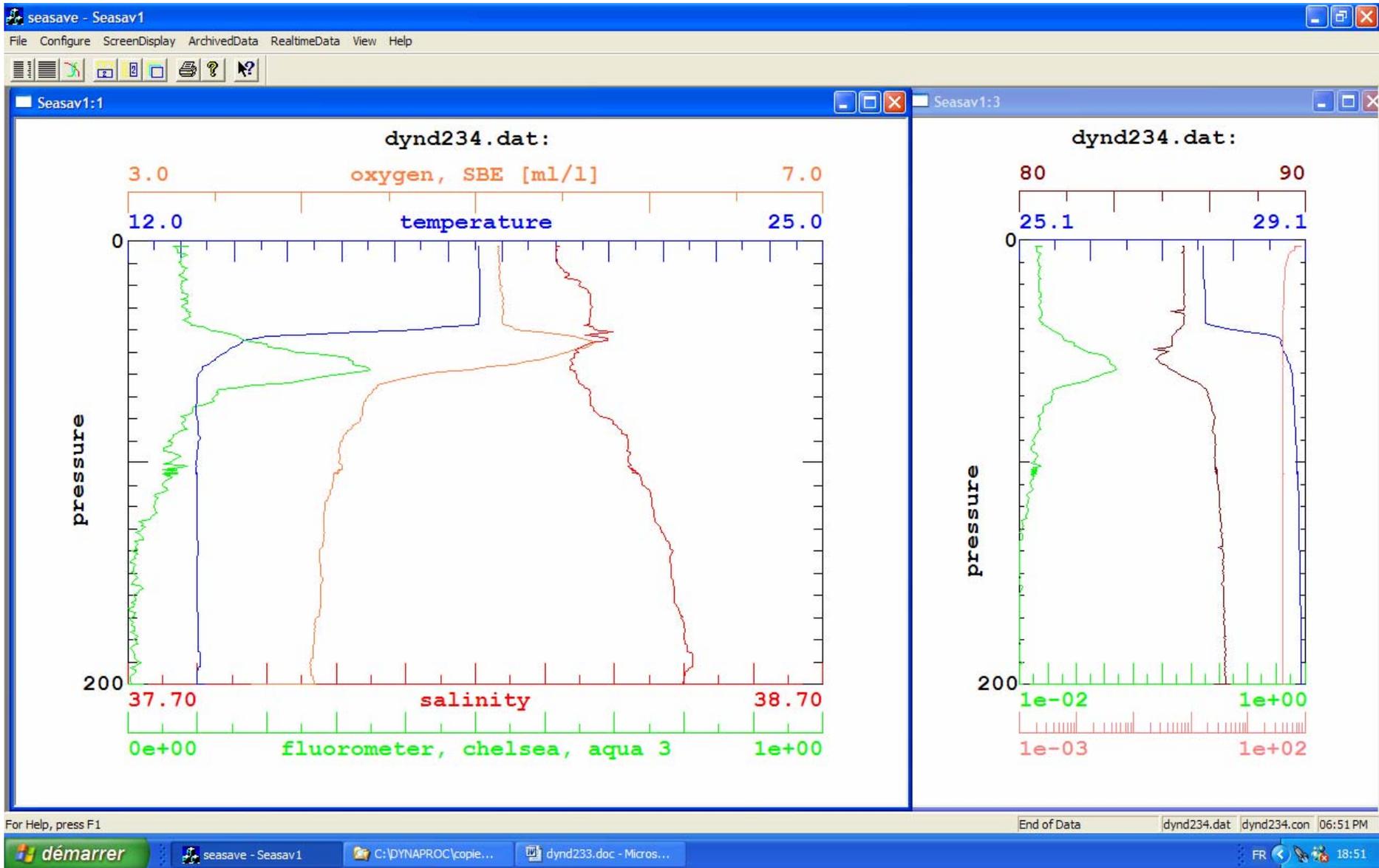


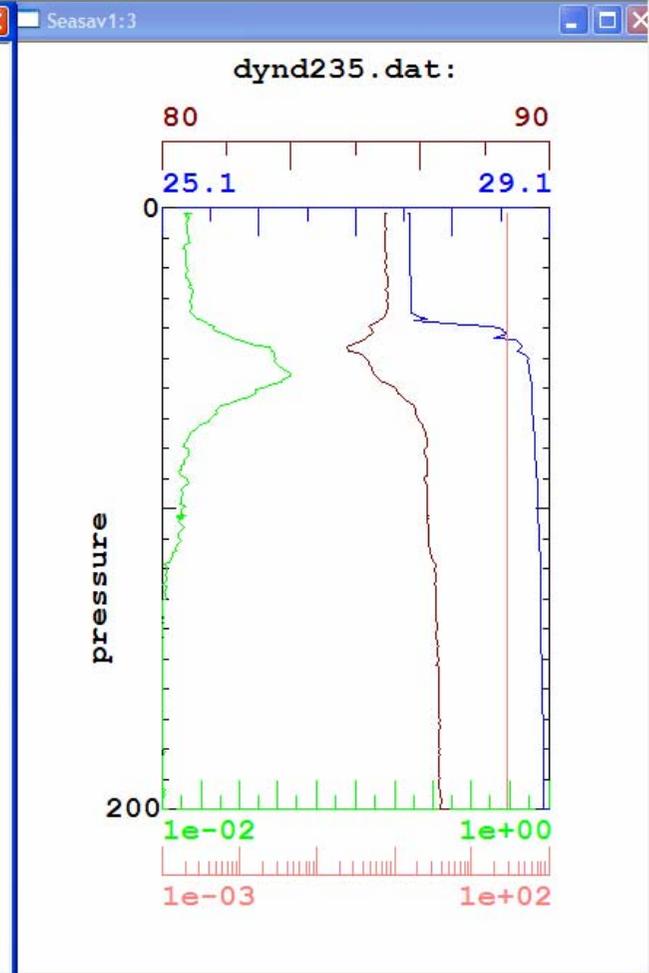
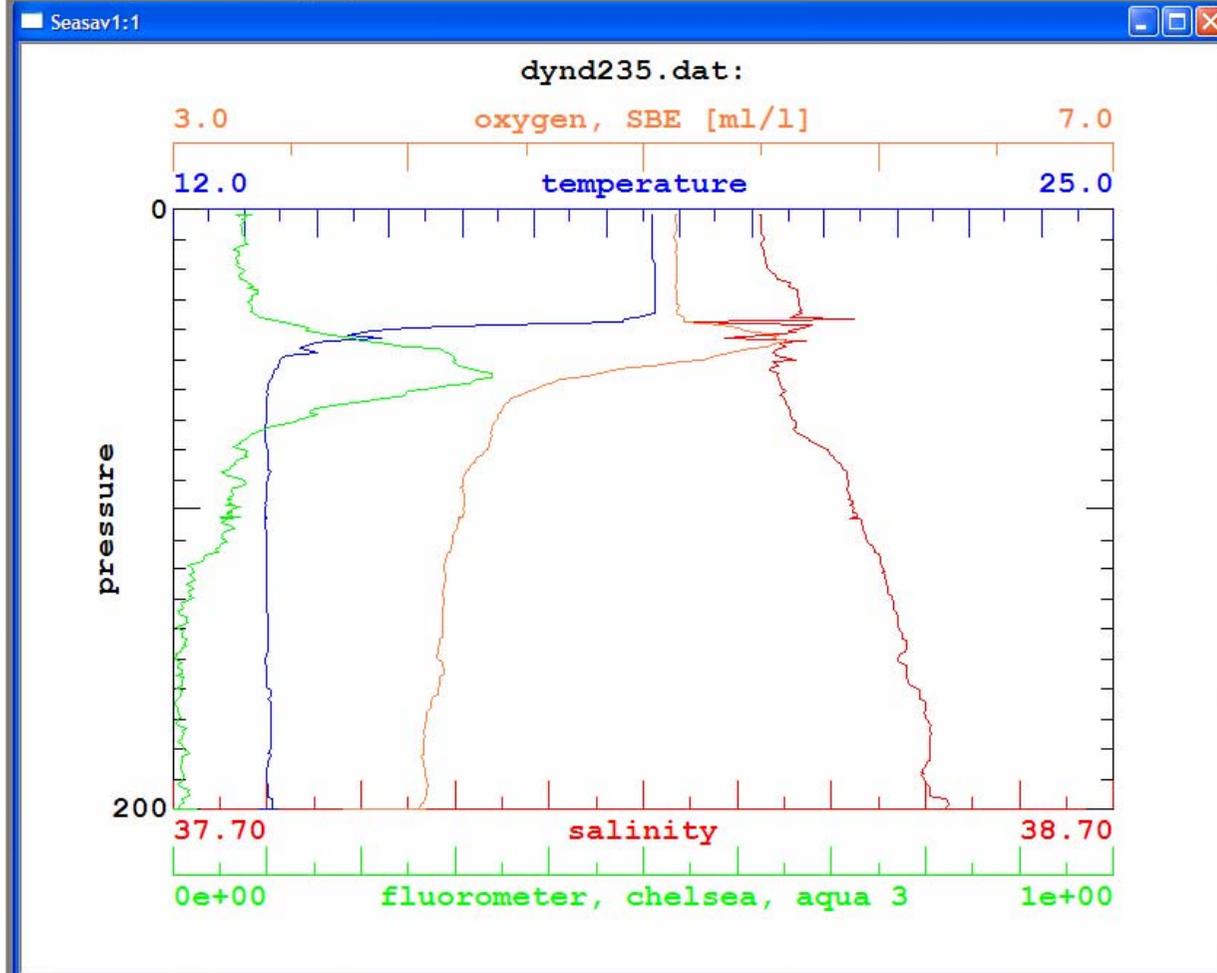






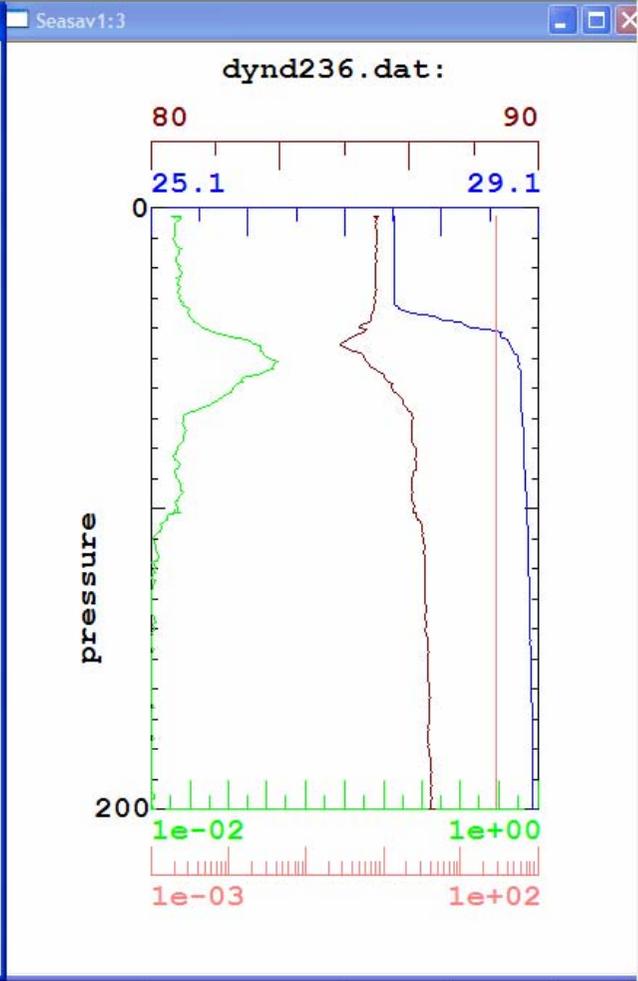
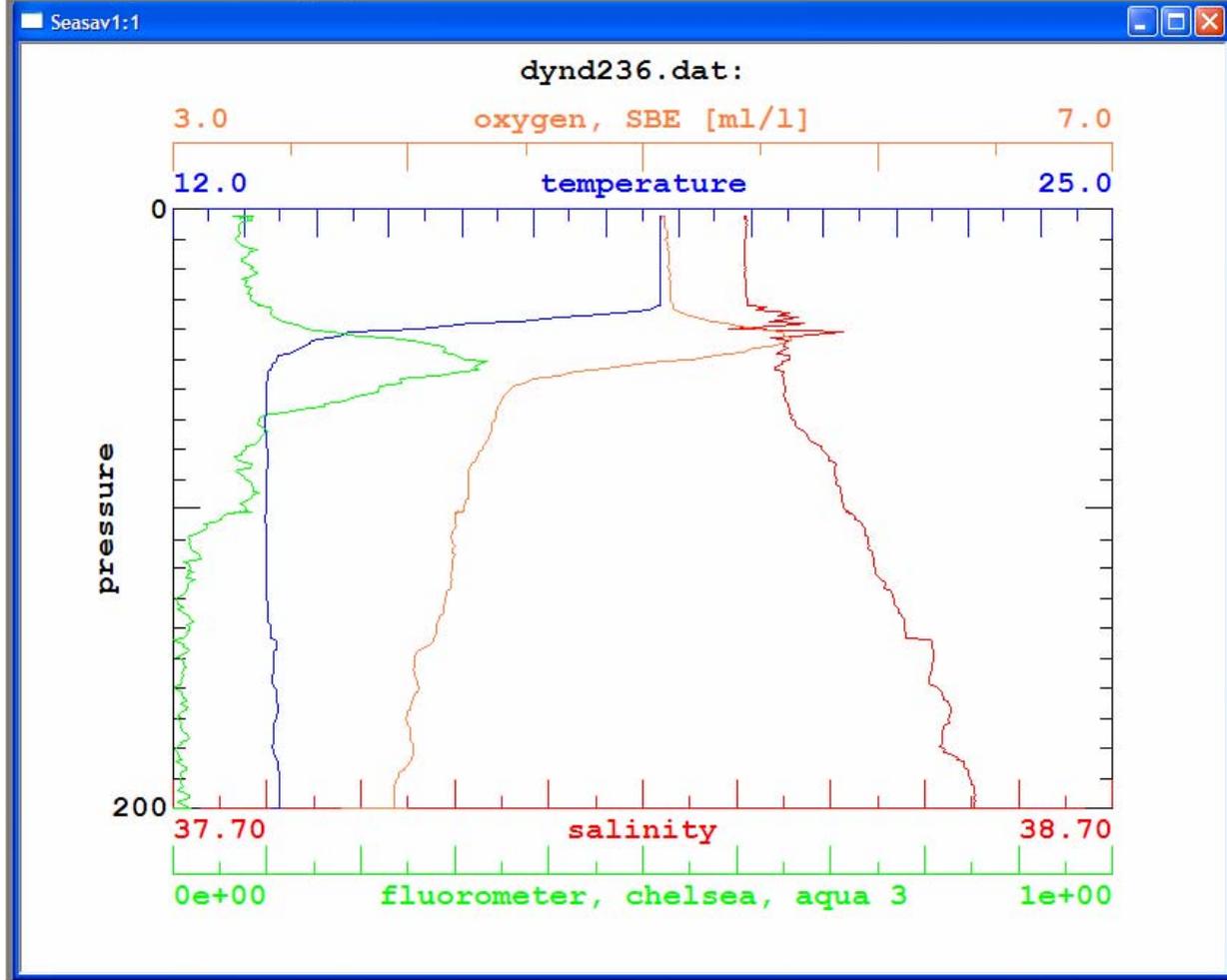


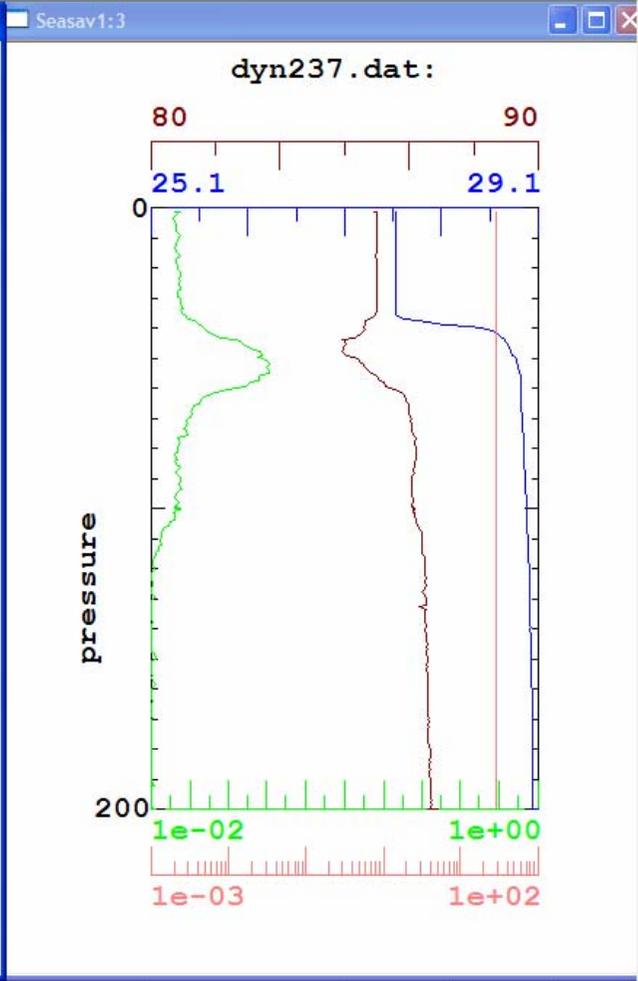
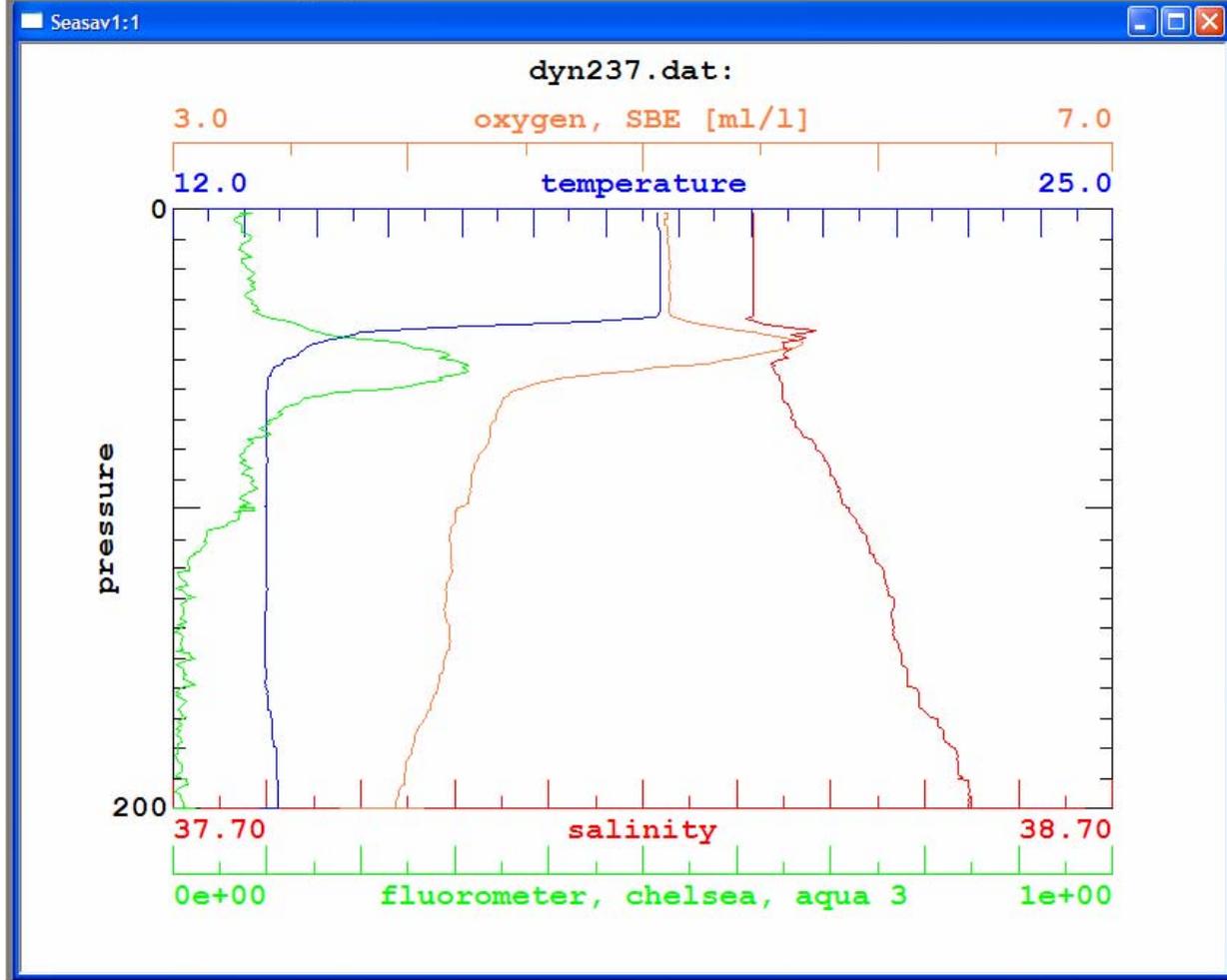


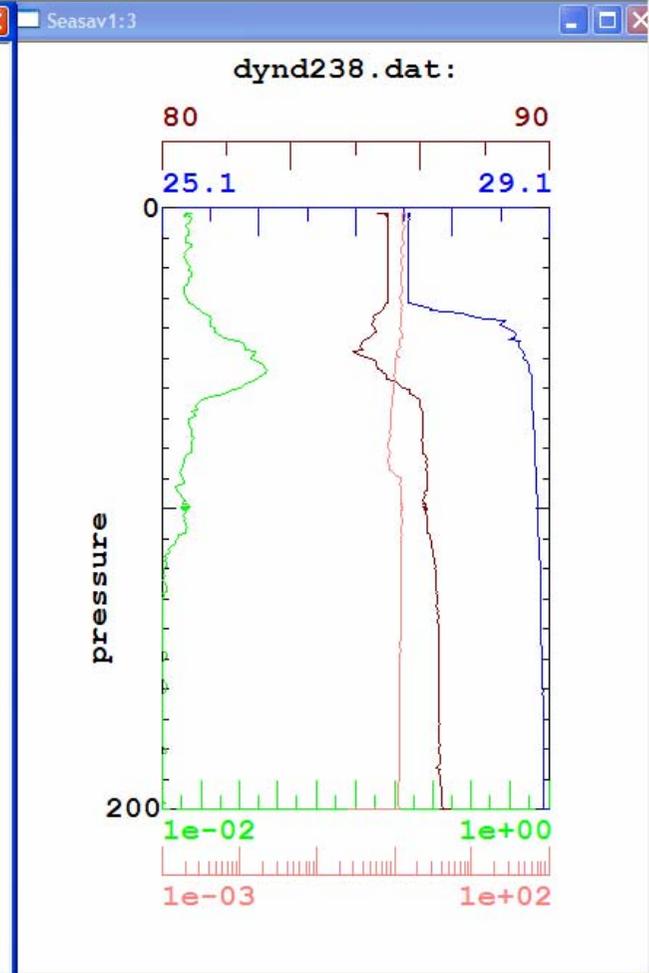
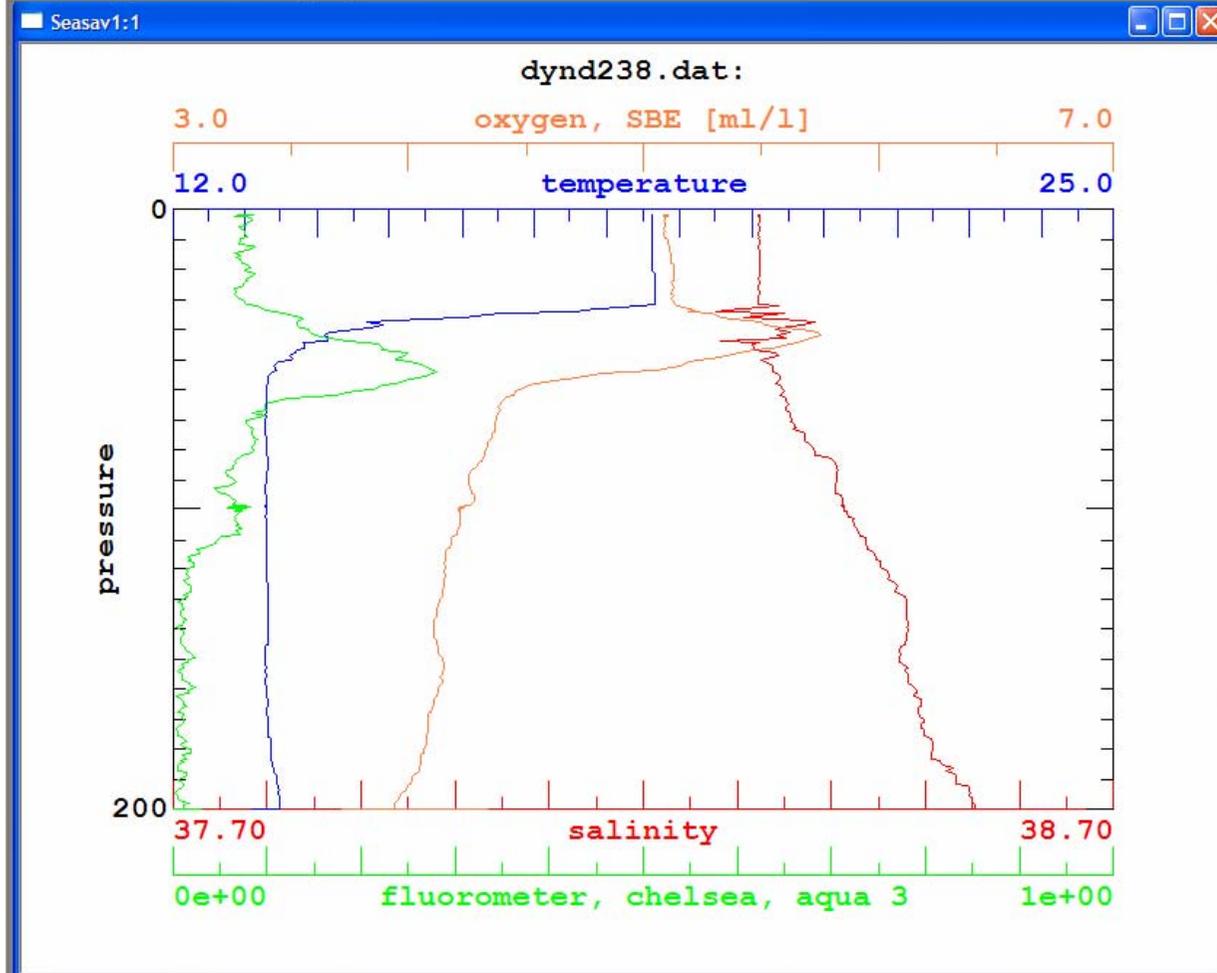


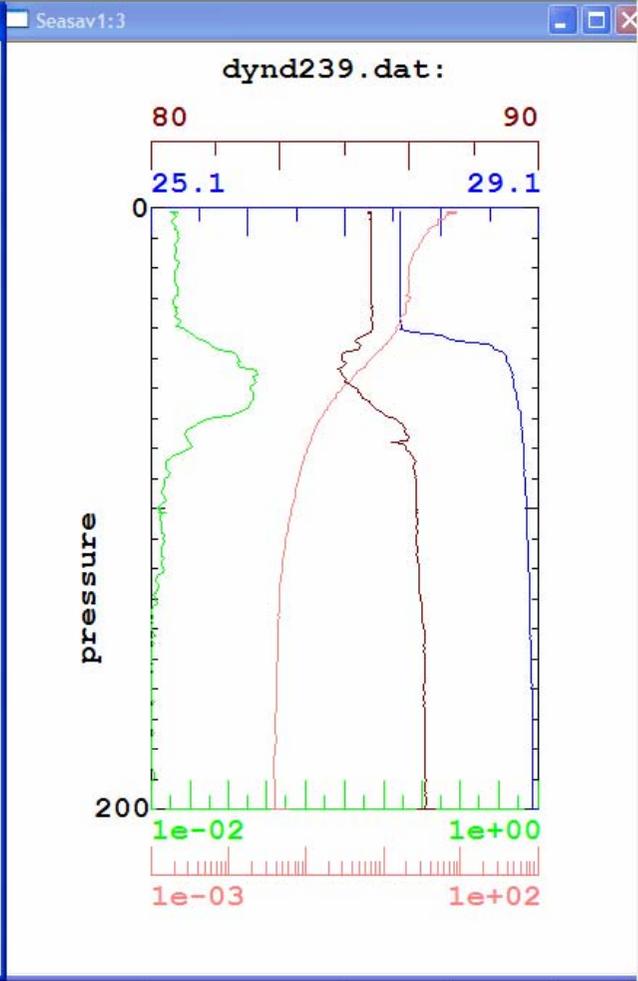
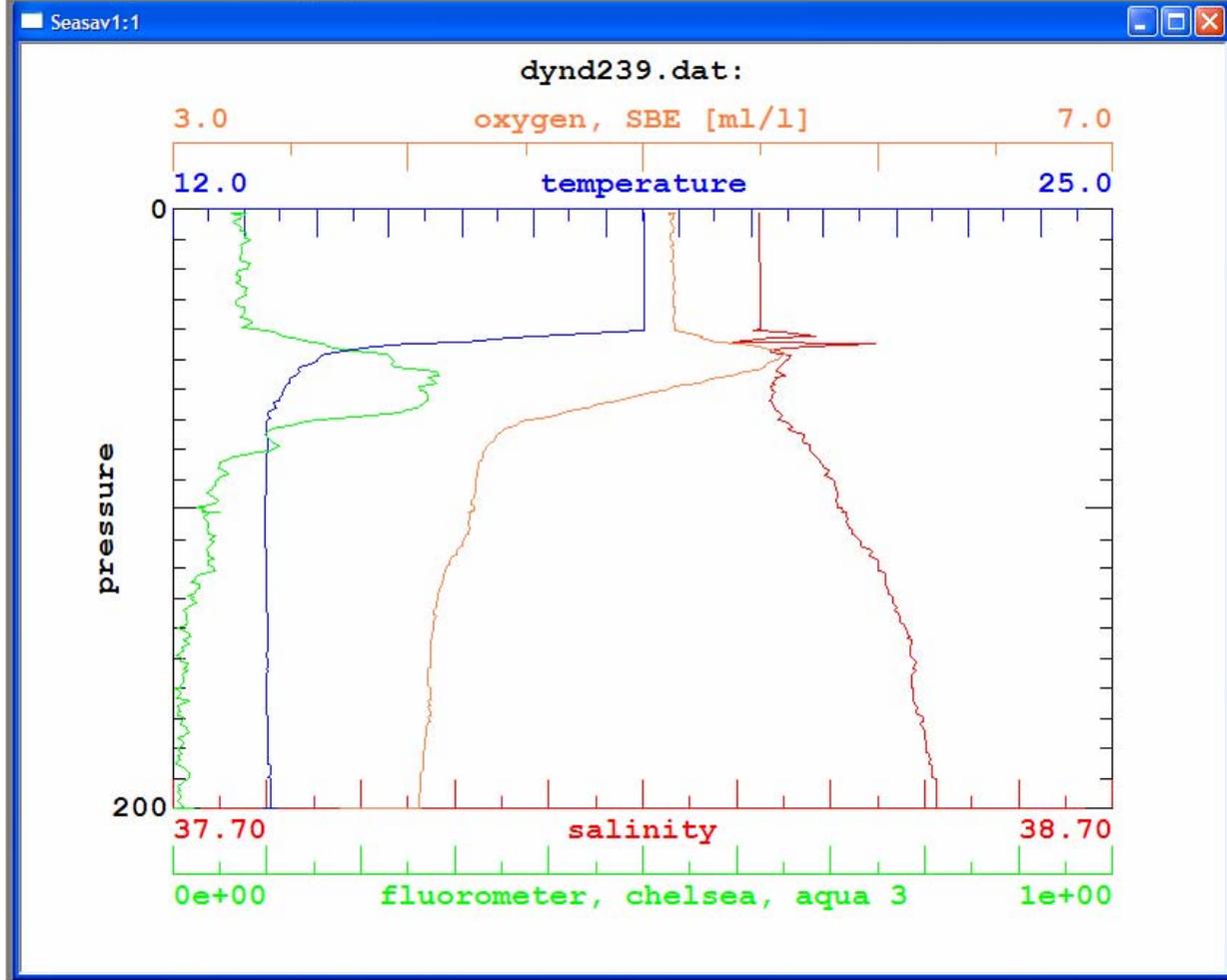
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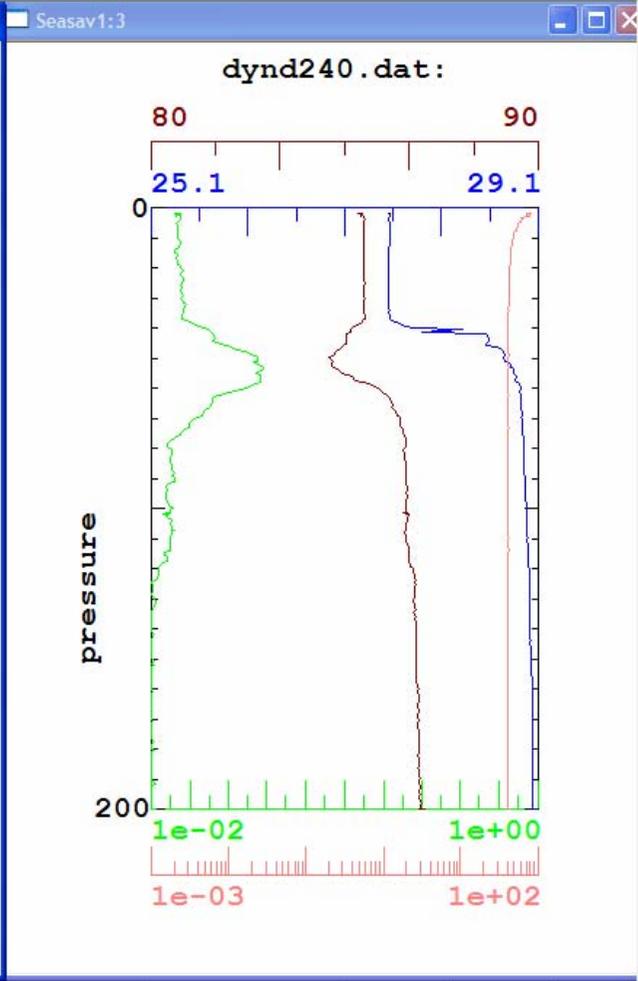
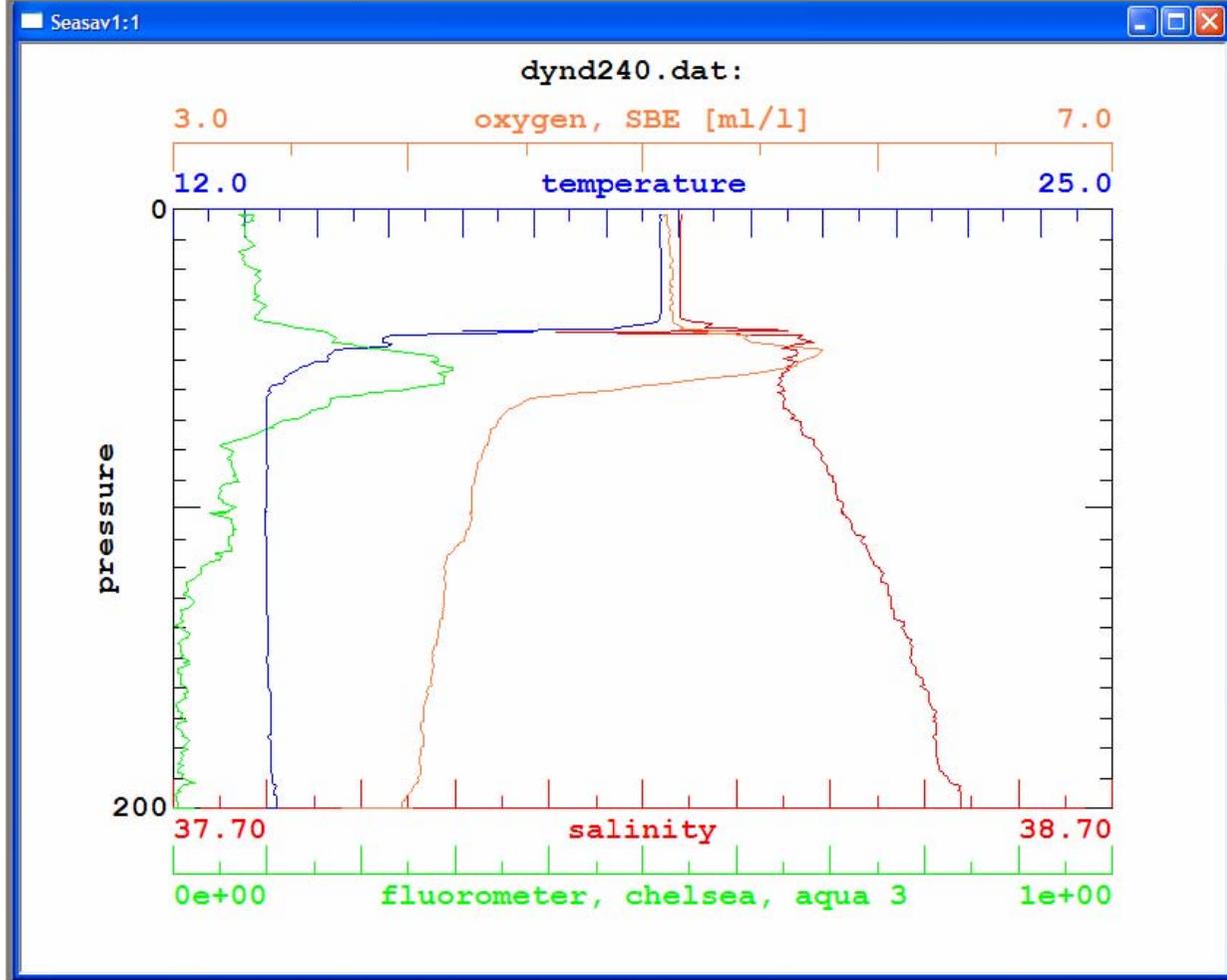
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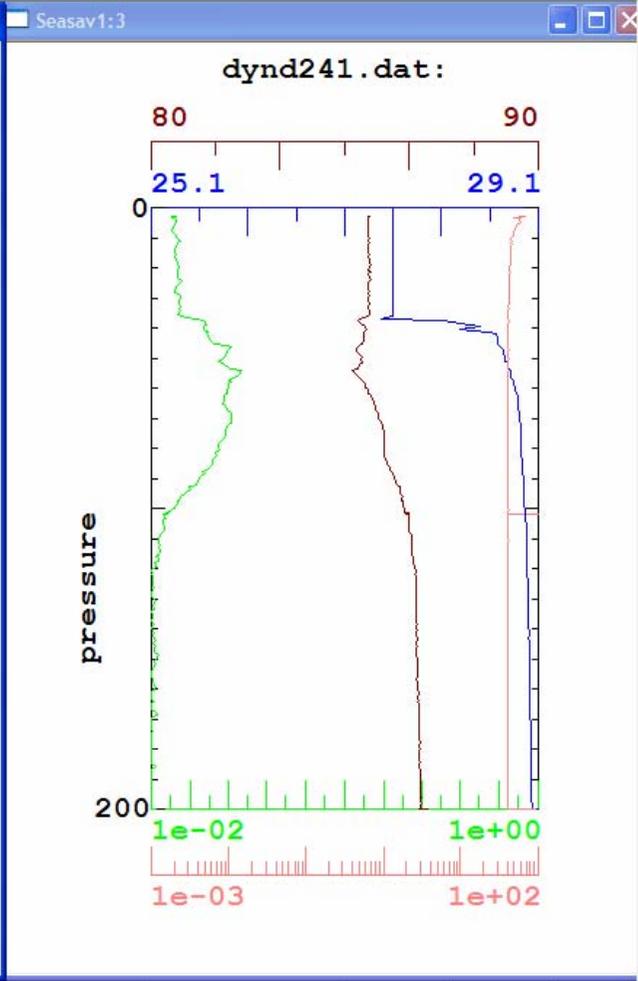
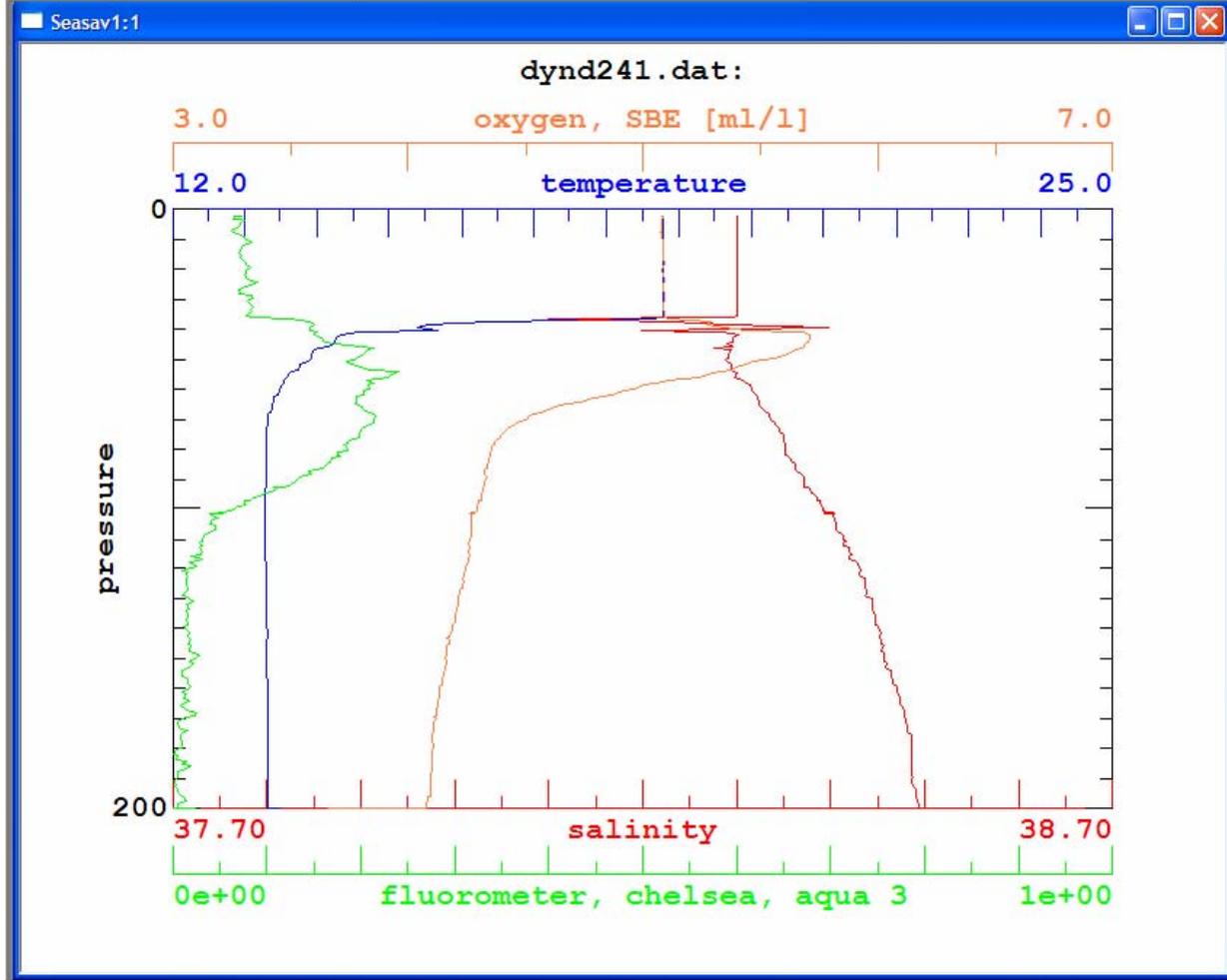


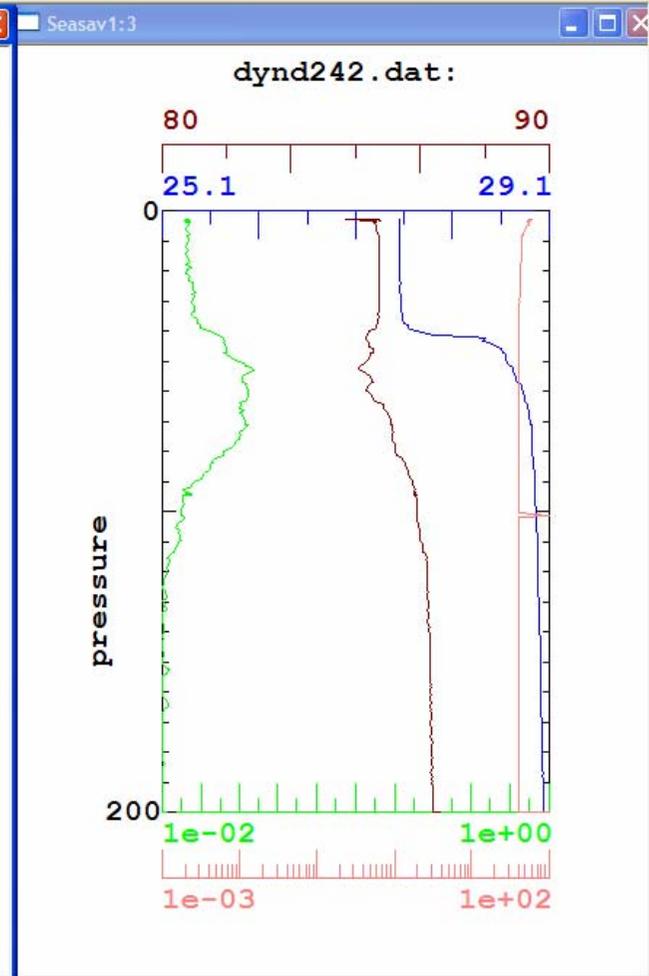
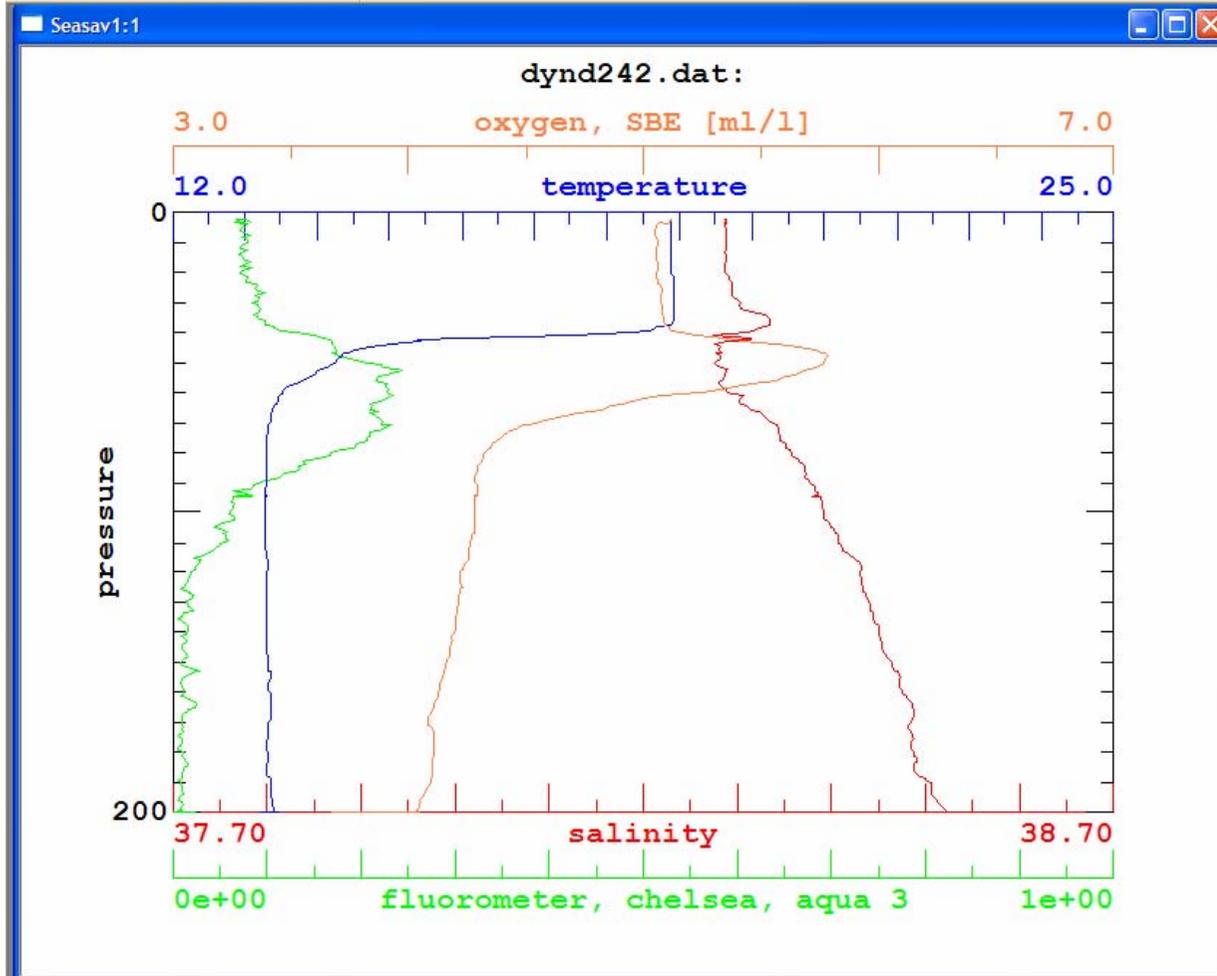












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