

U.S. Environmental Protection Agency, Region II
New York/New Jersey Harbor Estuary Program
Water Management Division
Surface Water Quality Branch

DEVELOPMENT OF TOTAL MAXIMUM DAILY
LOADS AND WASTELOAD ALLOCATIONS
FOR TOXIC METALS IN NY/NJ HARBOR

MODELING REPORT
APPENDICES

Job Number: TETRO103

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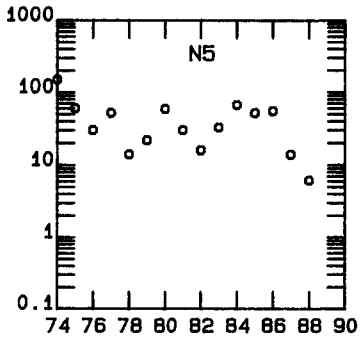
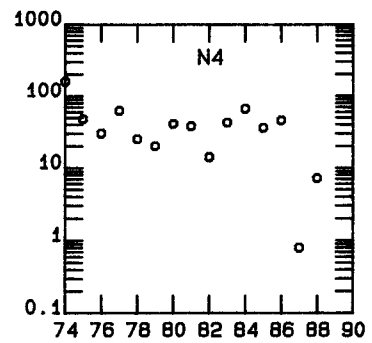
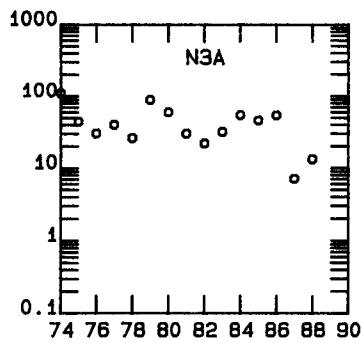
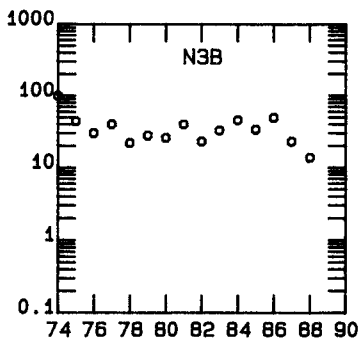
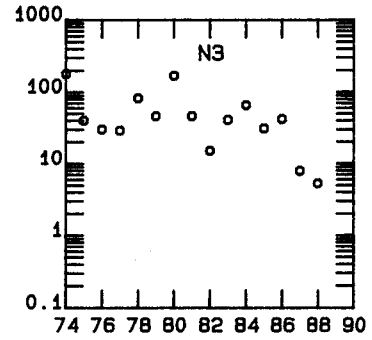
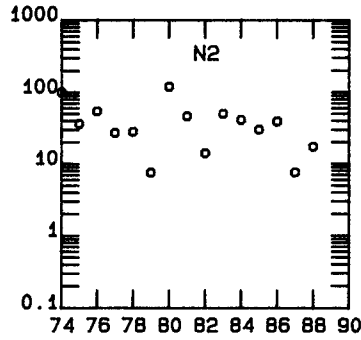
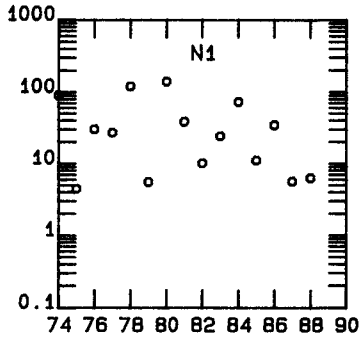
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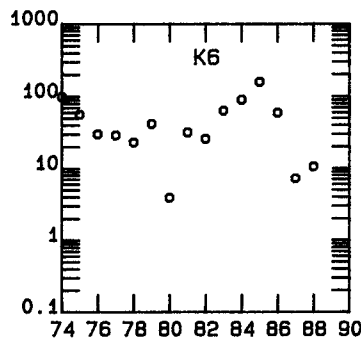
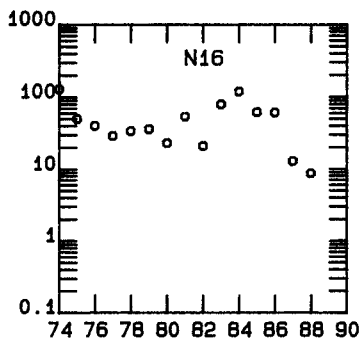
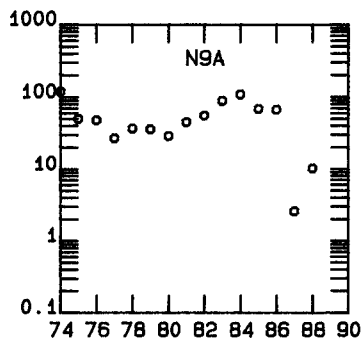
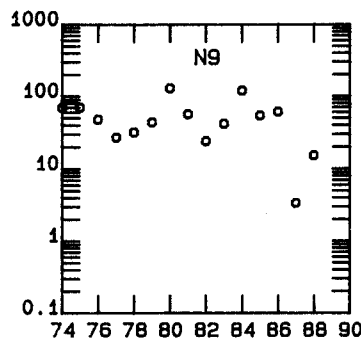
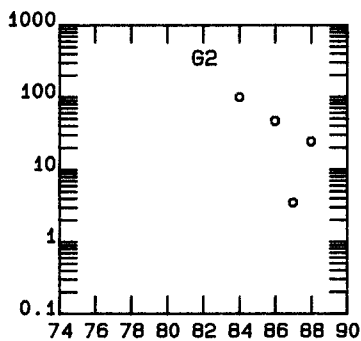
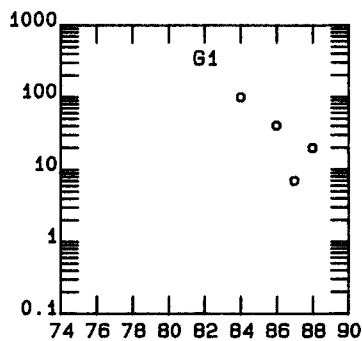
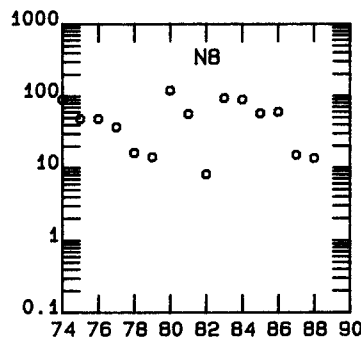
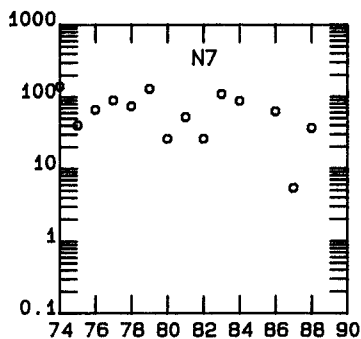
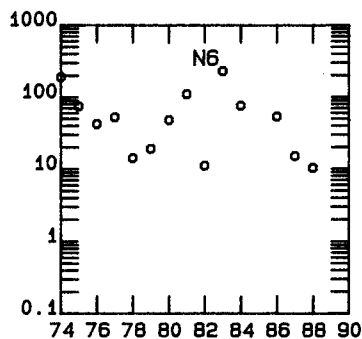
APPENDIX I

**SPATIAL AND TEMPORAL ANALYSES
OF NYCDEP HARBOR SURVEY
HISTORICAL METALS DATA**

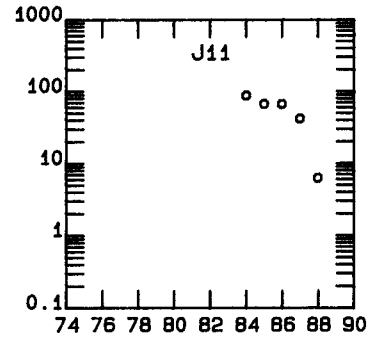
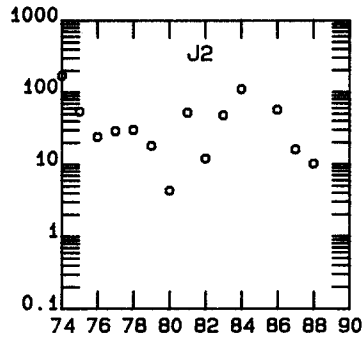
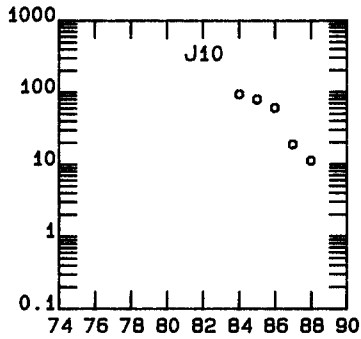
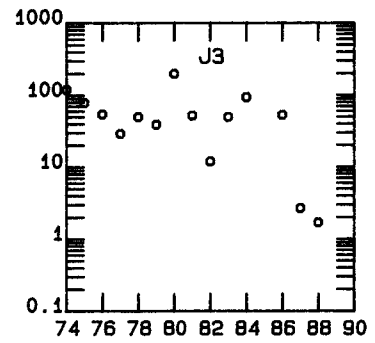
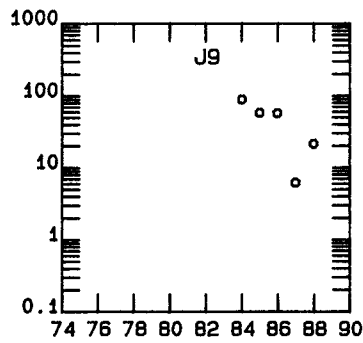
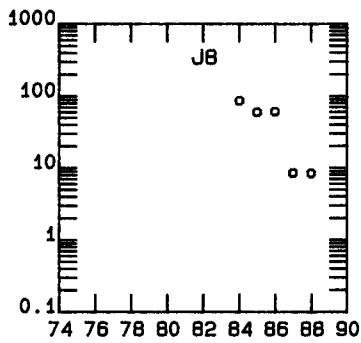
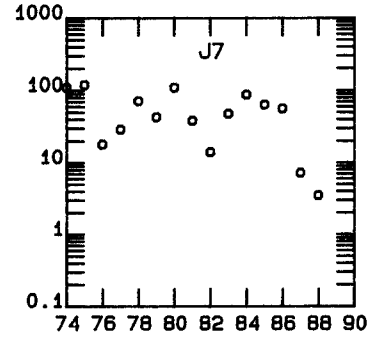
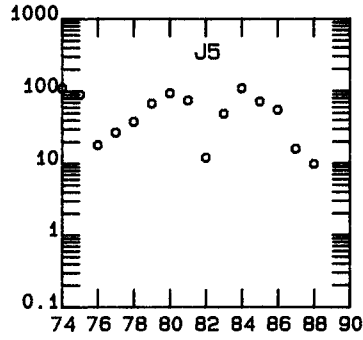
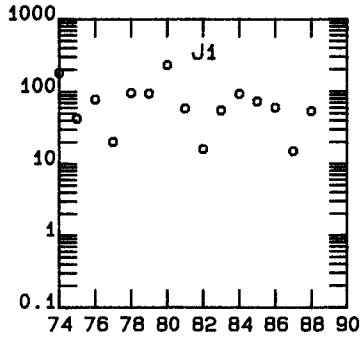
Hudson River Water Column Copper (ug/l)
NYC DEP Harbor Survey 1974-1988



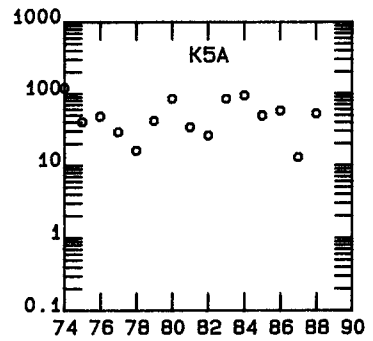
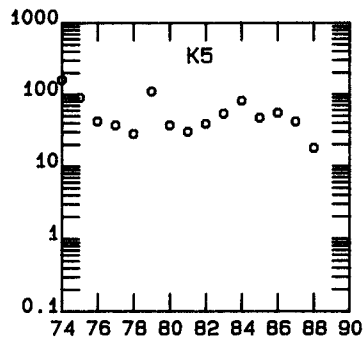
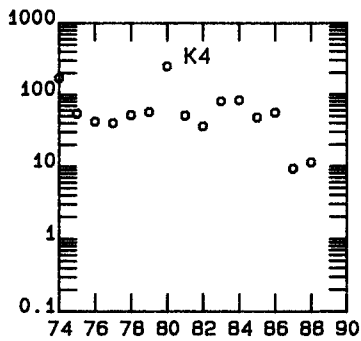
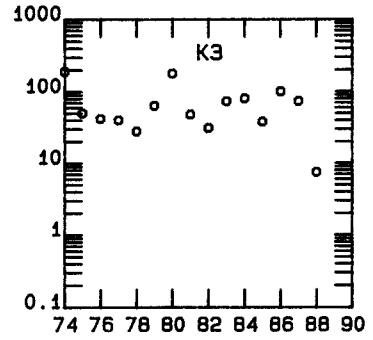
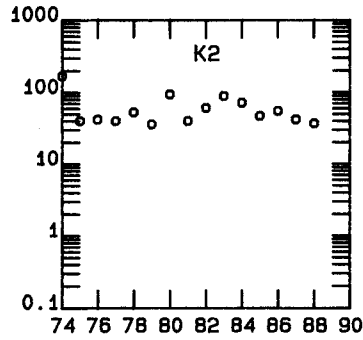
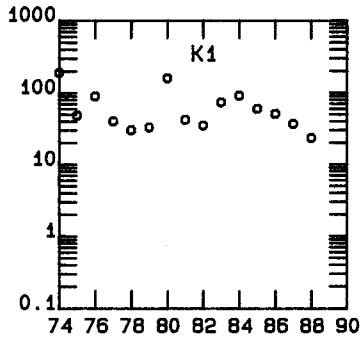
Inner and Outer Harbor Water Column Copper (ug/l) NYC DEP Harbor Survey 1974-1988



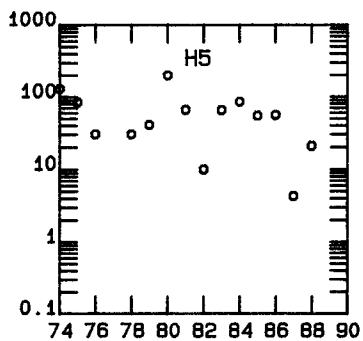
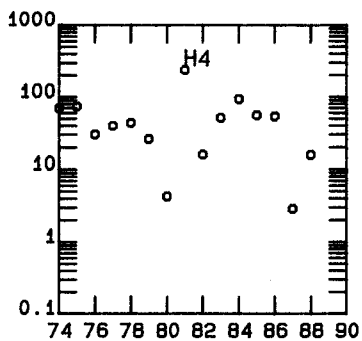
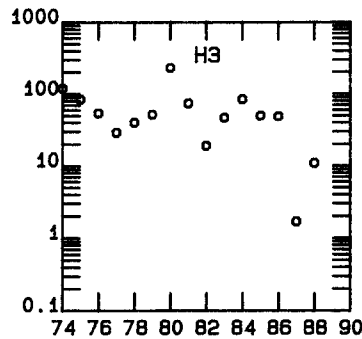
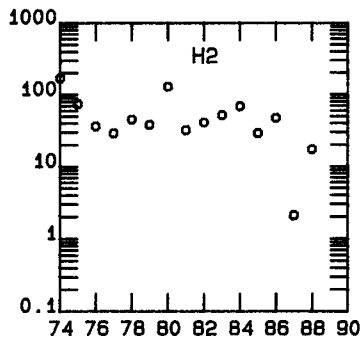
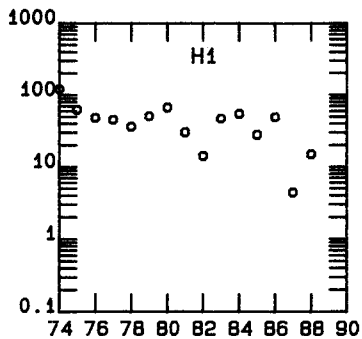
Jamaica Bay Water Column Copper (ug/l)
NYC DEP Harbor Survey 1974-1988



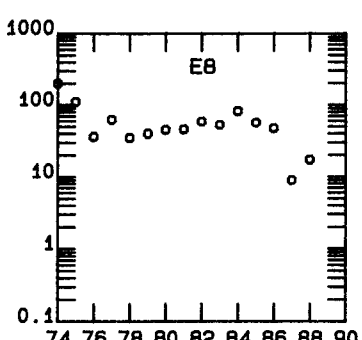
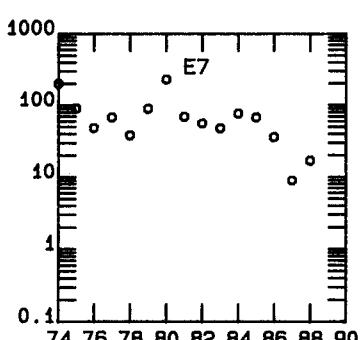
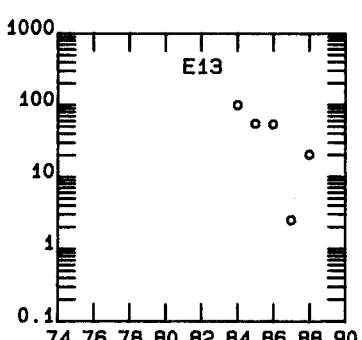
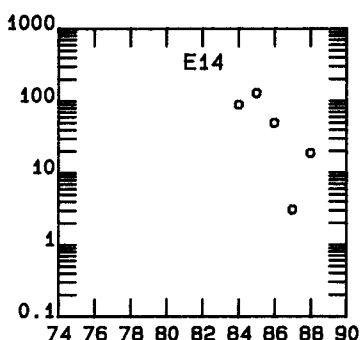
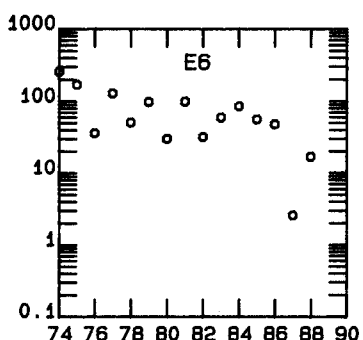
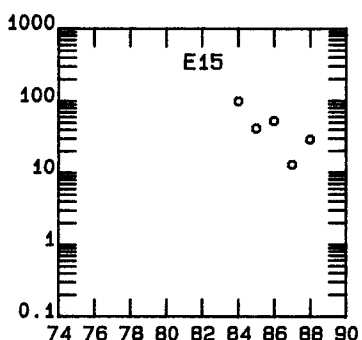
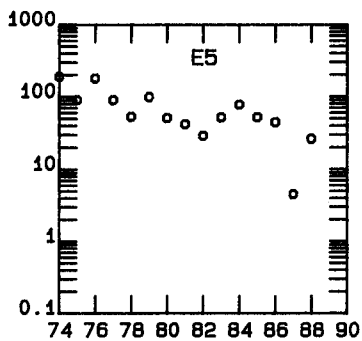
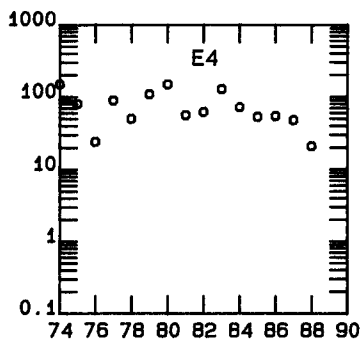
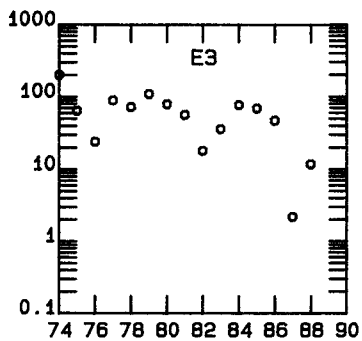
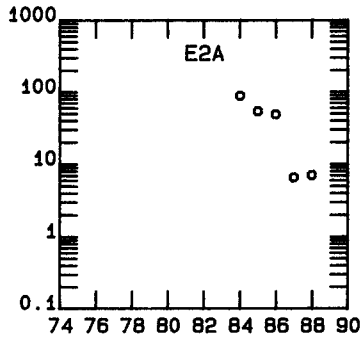
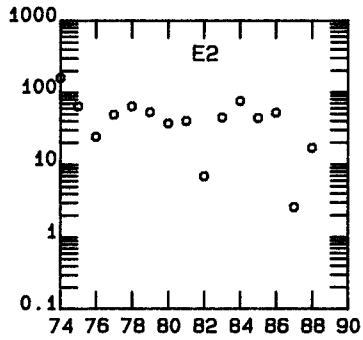
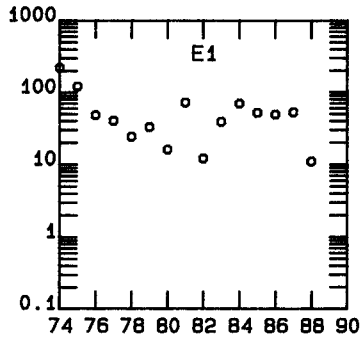
Kills - Raritan Bay Water Column Copper (ug/l)
NYC DEP Harbor Survey 1974-1988



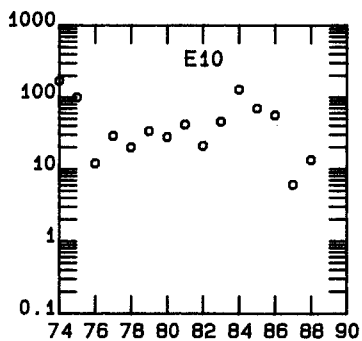
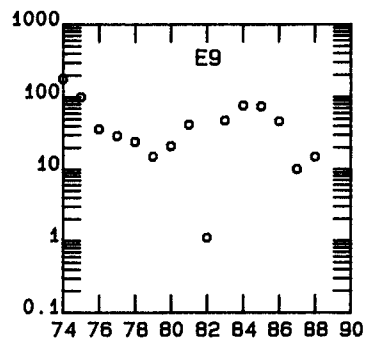
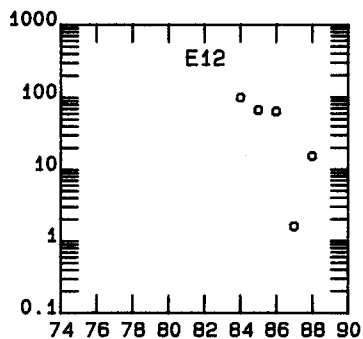
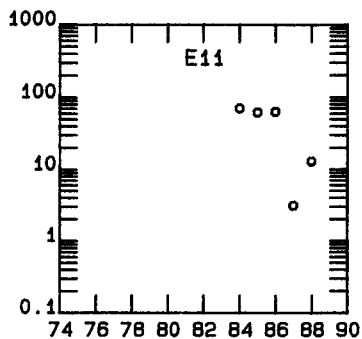
Harlem River Water Column Copper (ug/l)
NYC DEP Harbor Survey 1974-1988



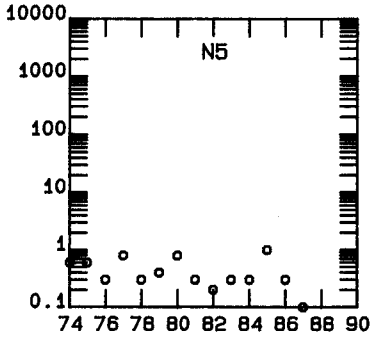
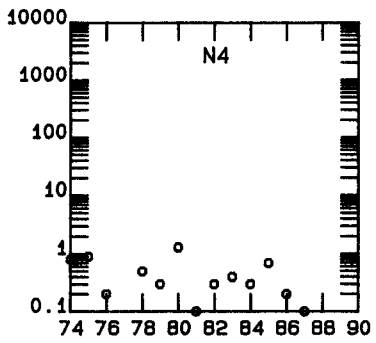
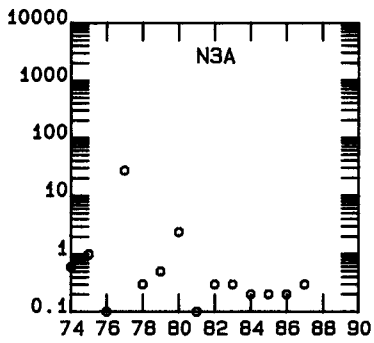
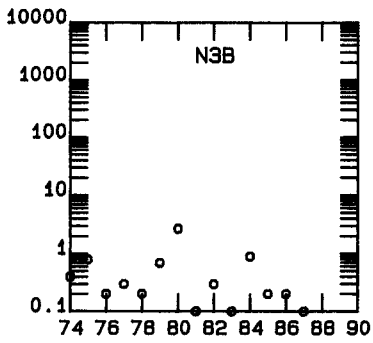
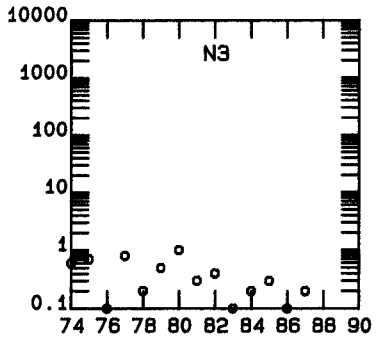
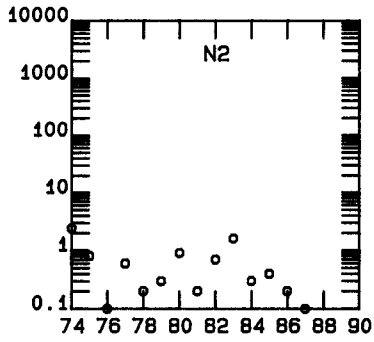
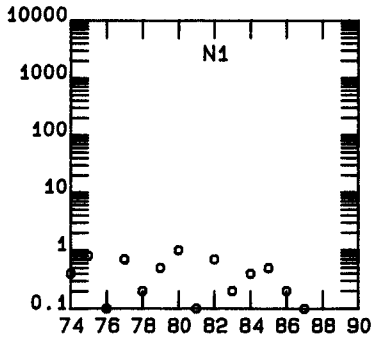
East River Water Column Copper (ug/l)
NYC DEP Harbor Survey 1974-1988



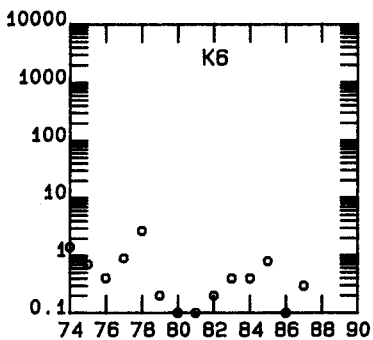
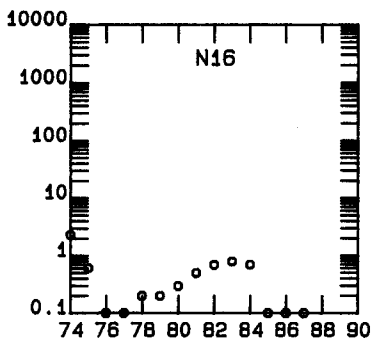
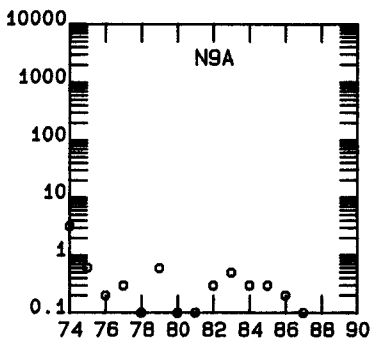
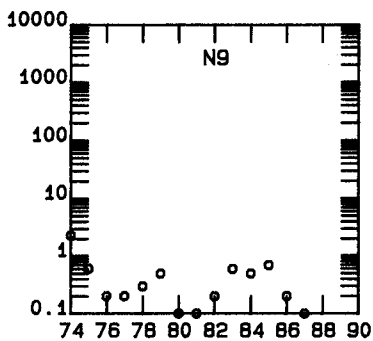
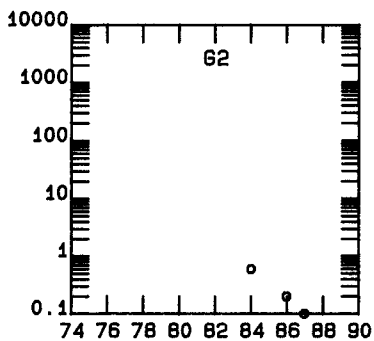
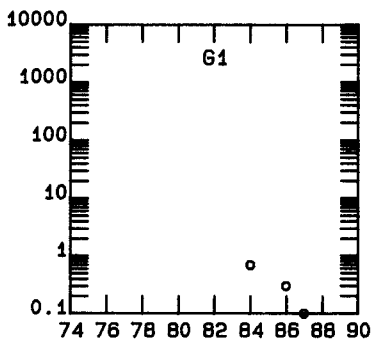
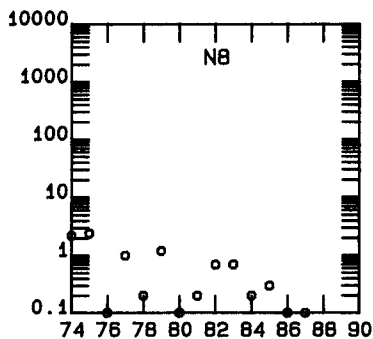
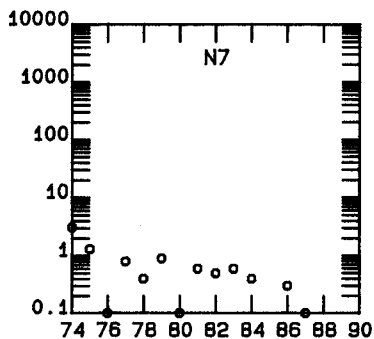
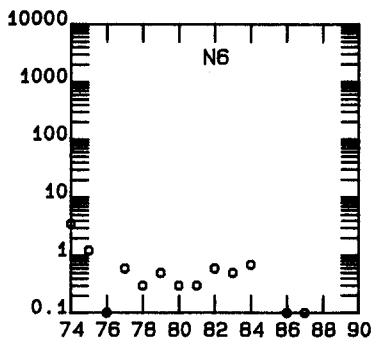
Outer East River Water Column Copper (ug/l)
NYC DEP Harbor Survey 1974-1988



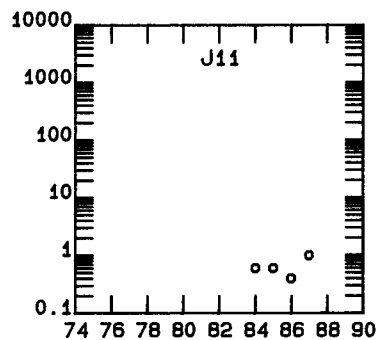
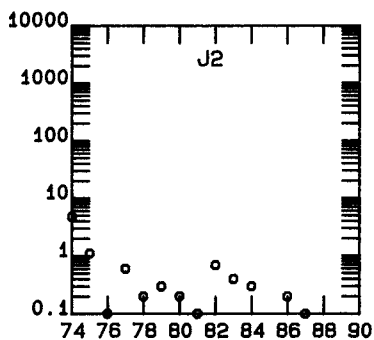
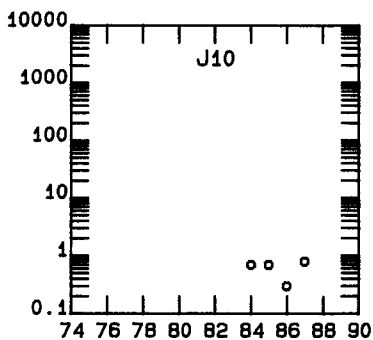
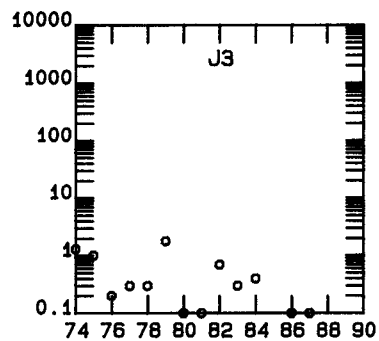
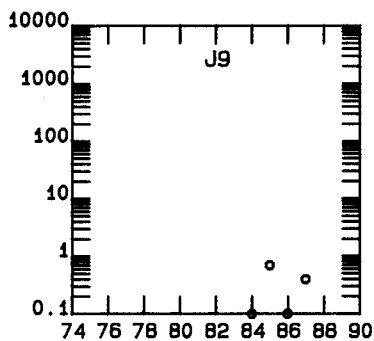
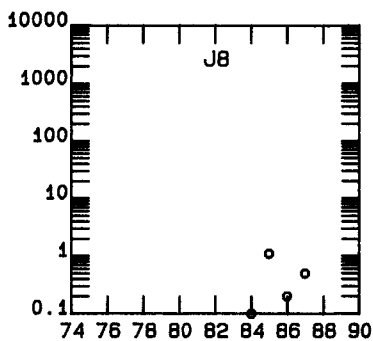
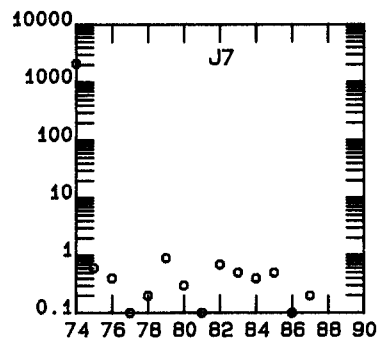
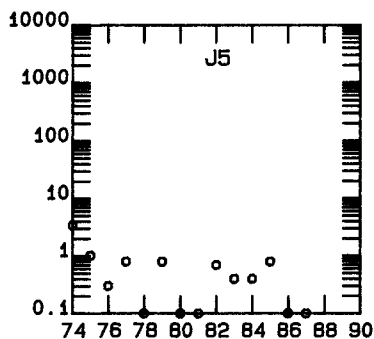
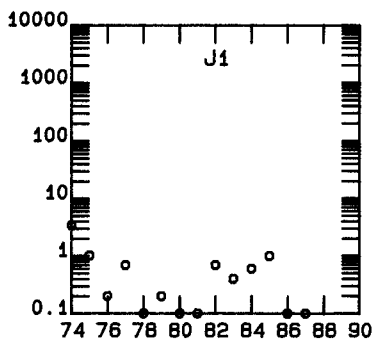
Hudson River Water Column Mercury (ug/l)
NYC DEP Harbor Survey 1974-1988



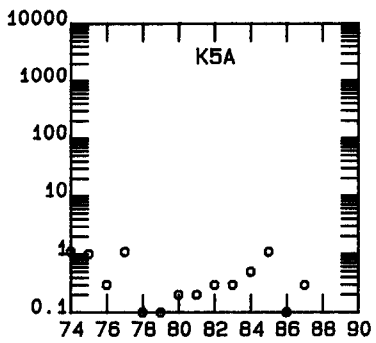
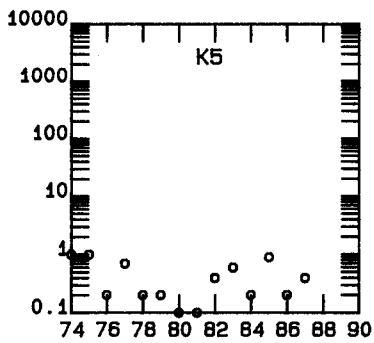
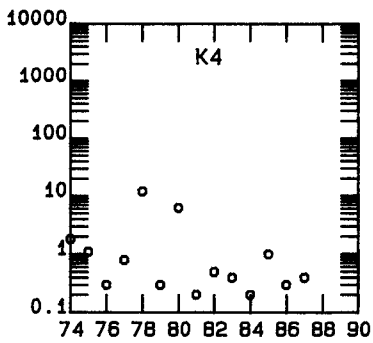
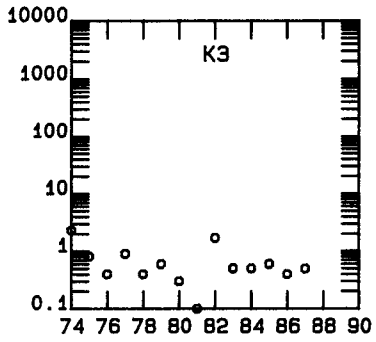
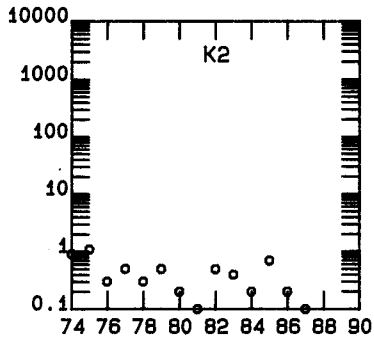
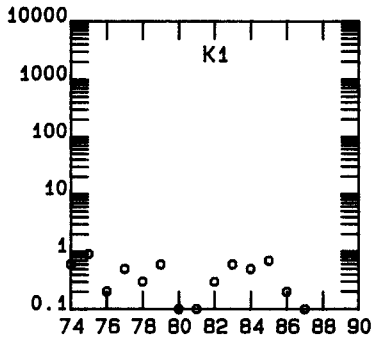
Inner and Outer Harbor Water Column Mercury (ug/l)
NYC DEP Harbor Survey 1974-1988



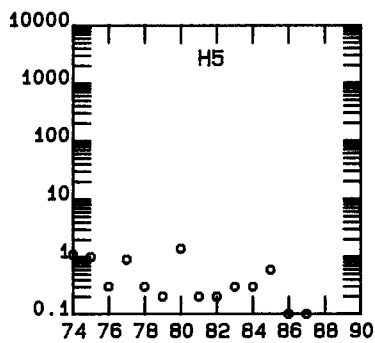
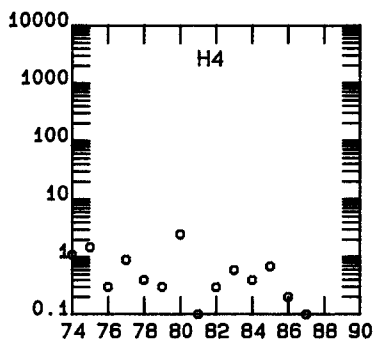
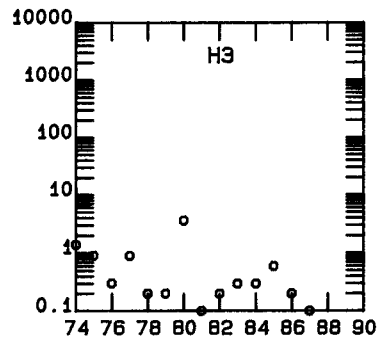
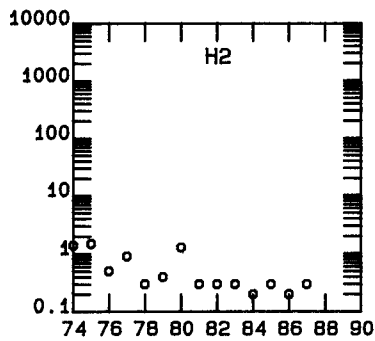
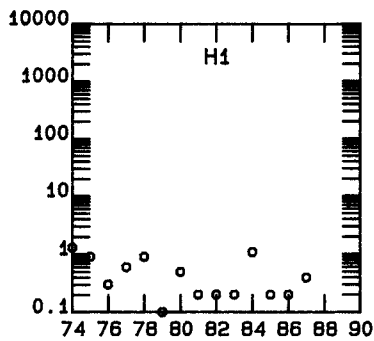
Jamaica Bay Water Column Mercury (ug/l)
NYC DEP Harbor Survey 1974-1988



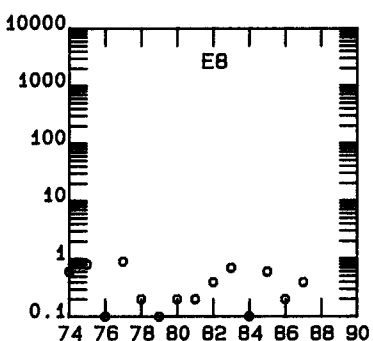
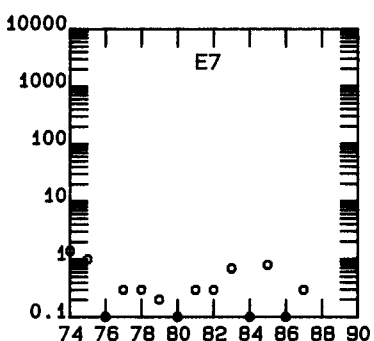
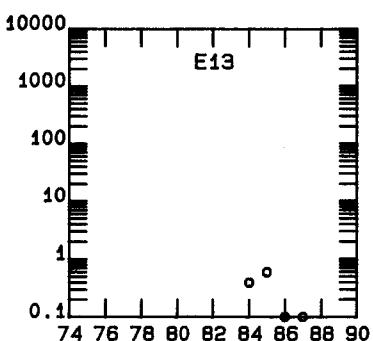
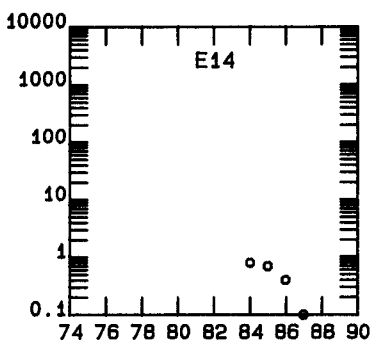
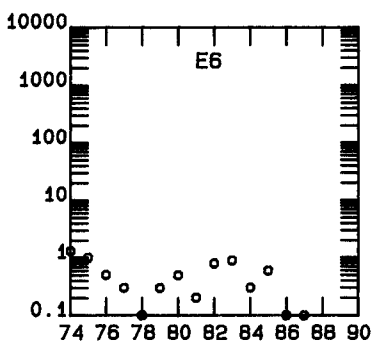
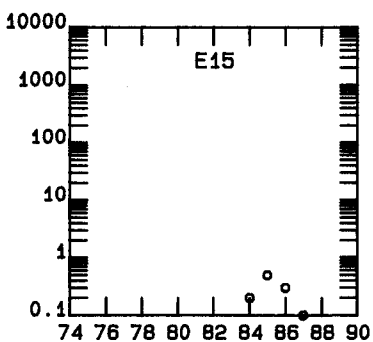
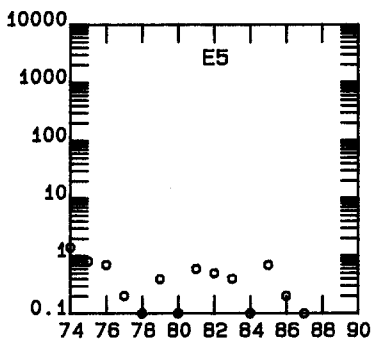
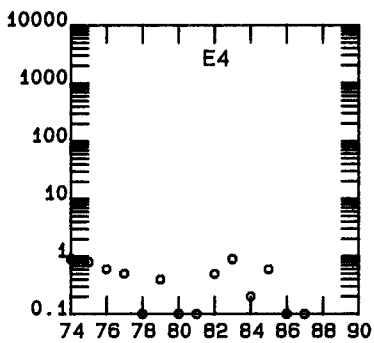
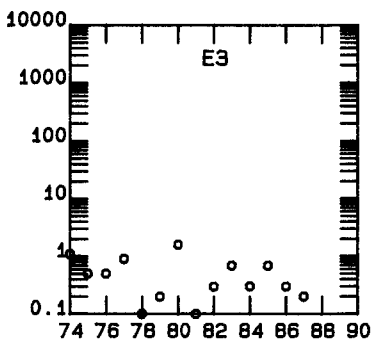
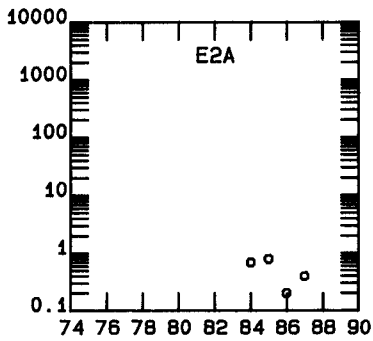
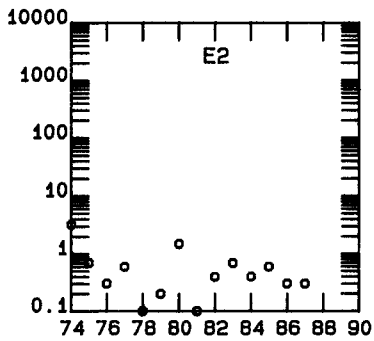
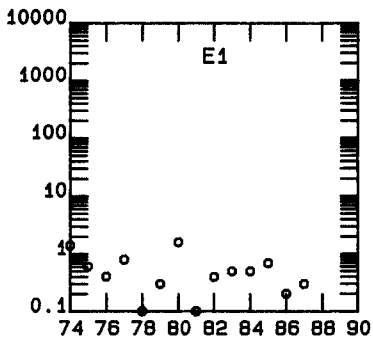
Kills - Raritan Bay Water Column Mercury (ug/l)
NYC DEP Harbor Survey 1974-1988



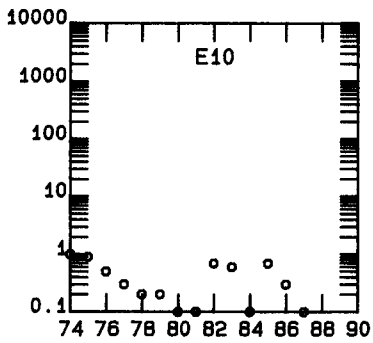
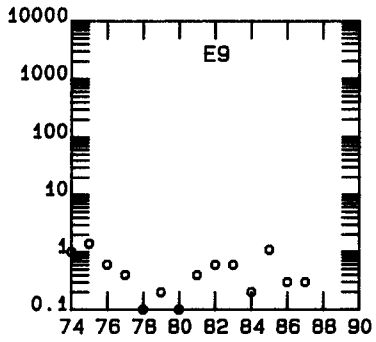
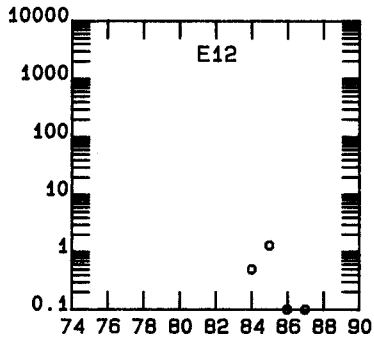
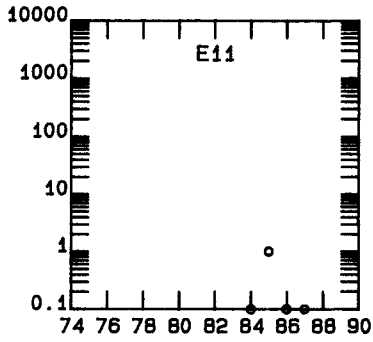
Harlem River Water Column Mercury (ug/l) NYC DEP Harbor Survey 1974-1988



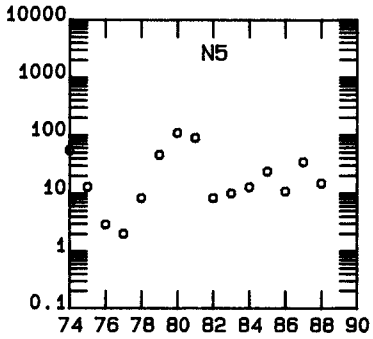
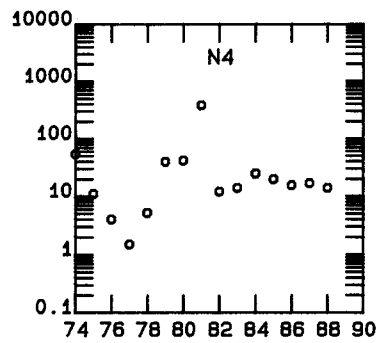
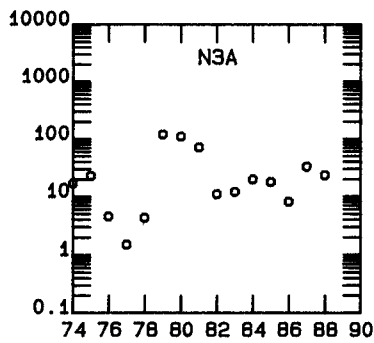
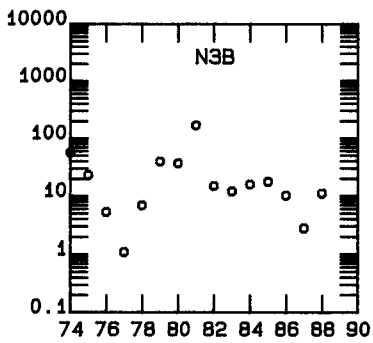
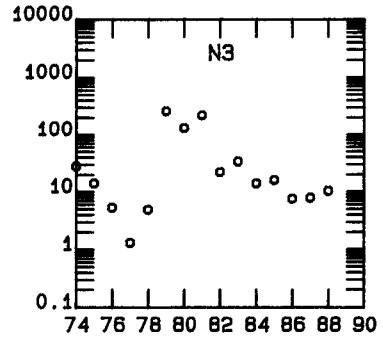
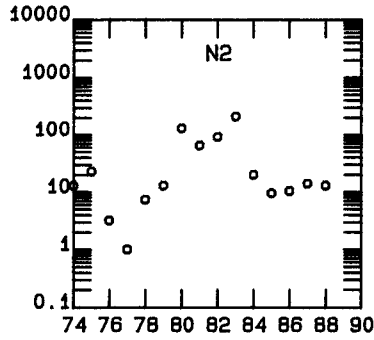
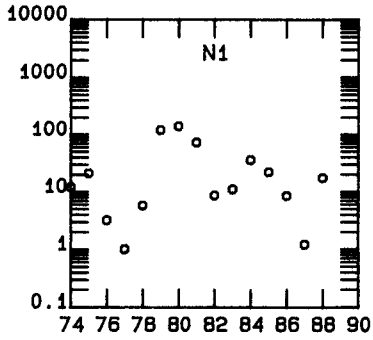
East River Water Column Mercury (ug/l)
NYC DEP Harbor Survey 1974-1988



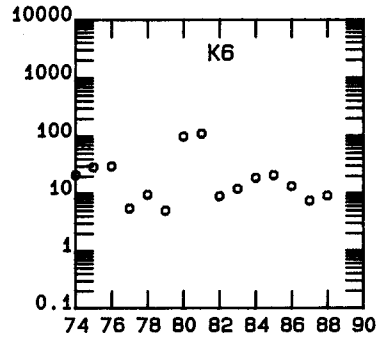
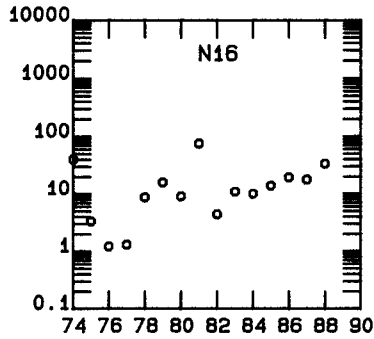
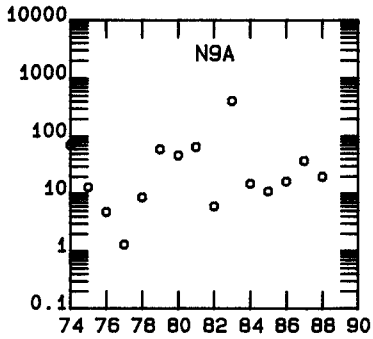
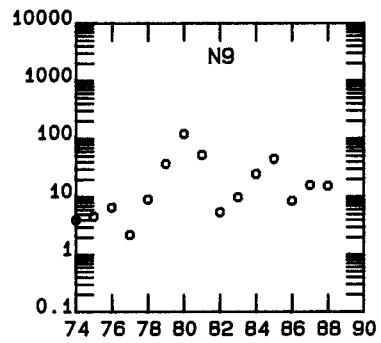
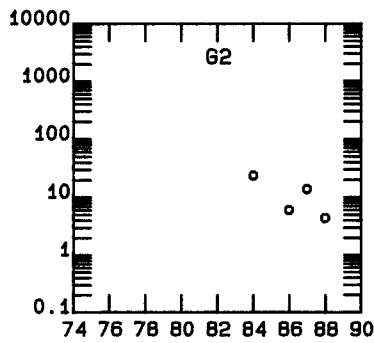
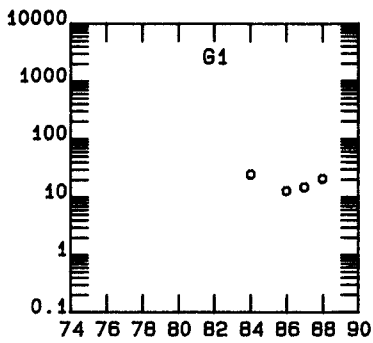
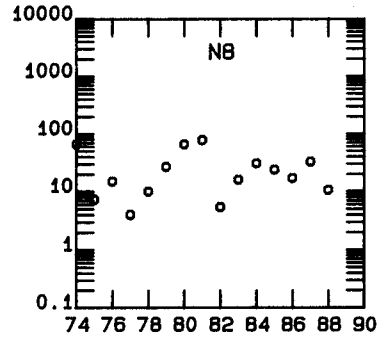
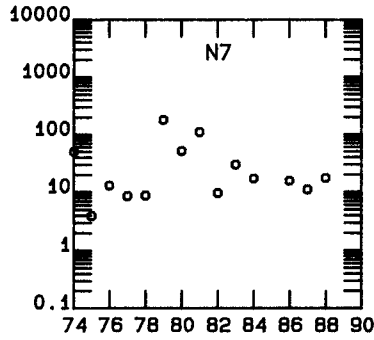
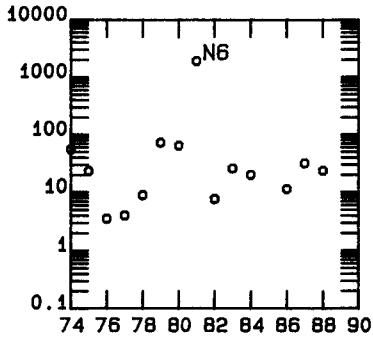
Outer East River Water Column Mercury (ug/l)
NYC DEP Harbor Survey 1974-1988



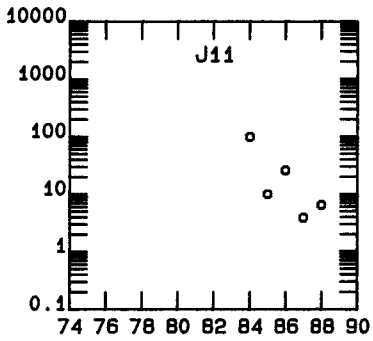
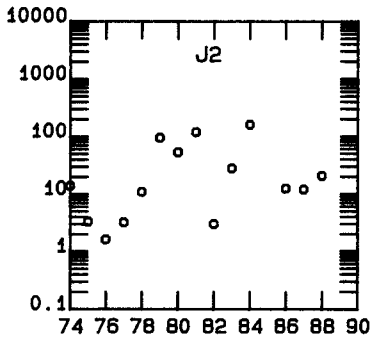
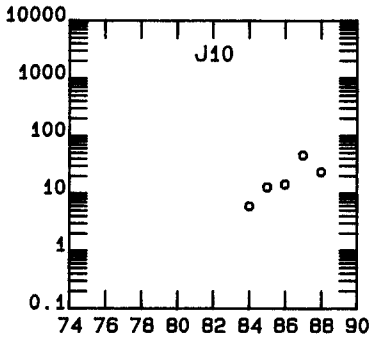
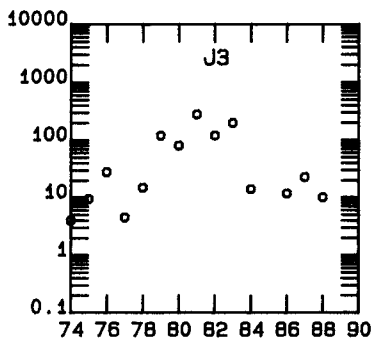
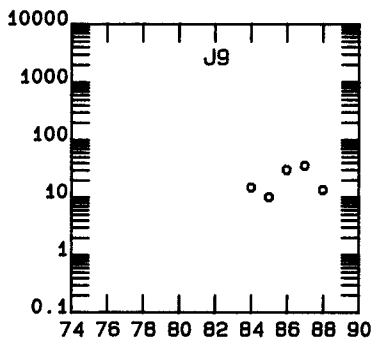
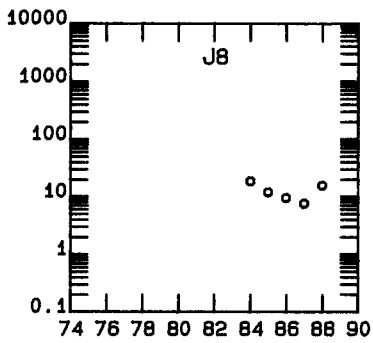
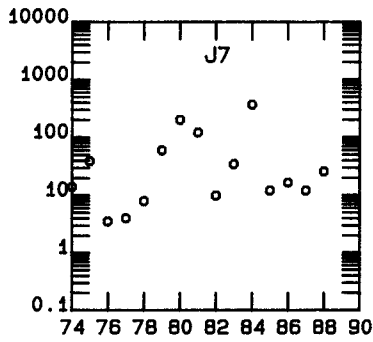
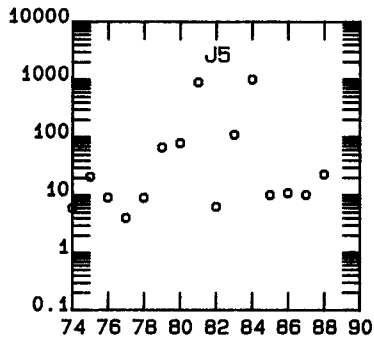
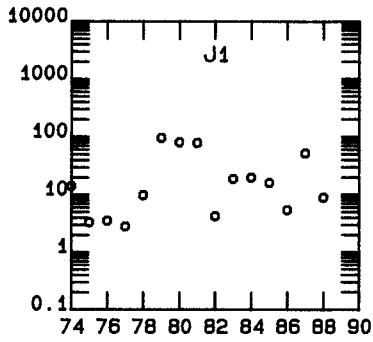
Hudson River Water Column Nickel (ug/l)
NYC DEP Harbor Survey 1974-1988



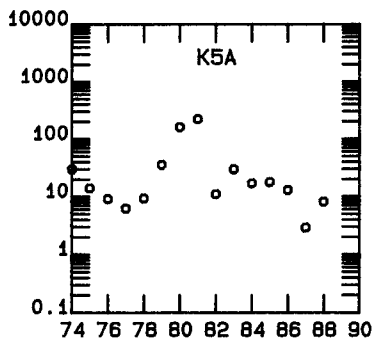
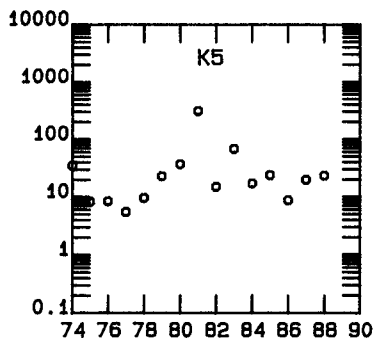
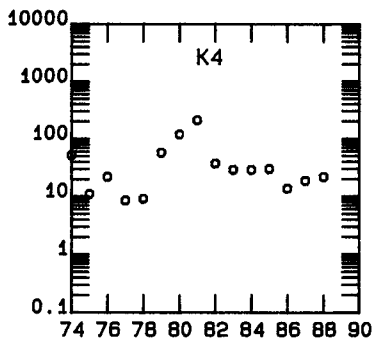
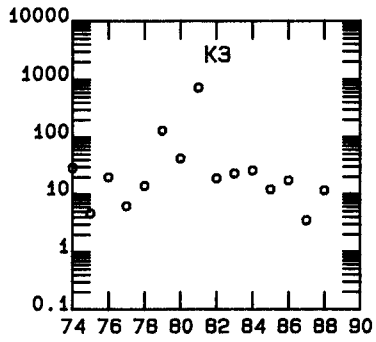
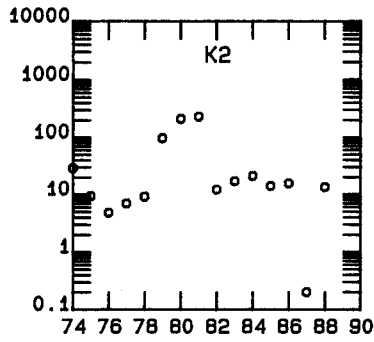
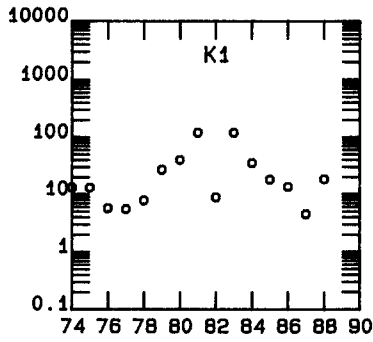
Inner and Outer Harbor Water Column Nickel (ug/l)
NYC DEP Harbor Survey 1974-1988



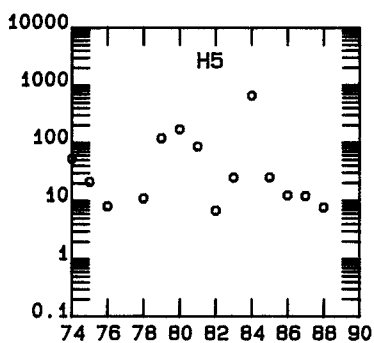
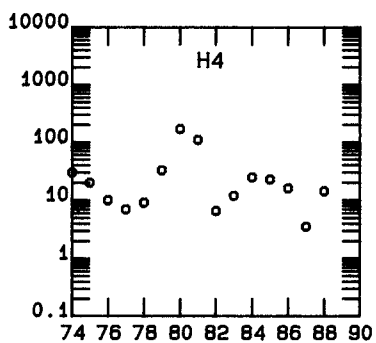
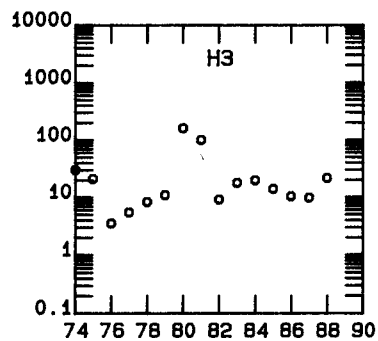
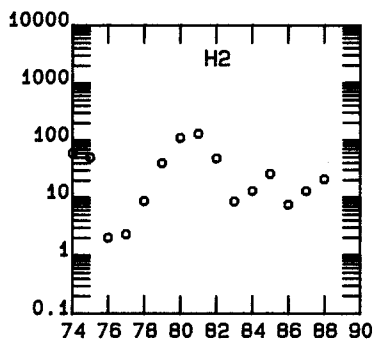
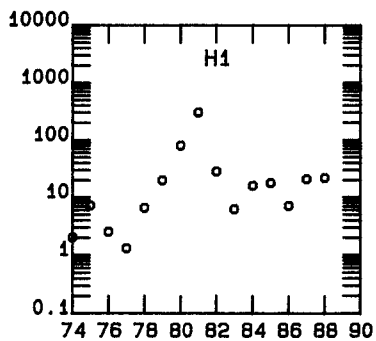
Jamaica Bay Water Column Nickel (ug/l)
NYC DEP Harbor Survey 1974-1988



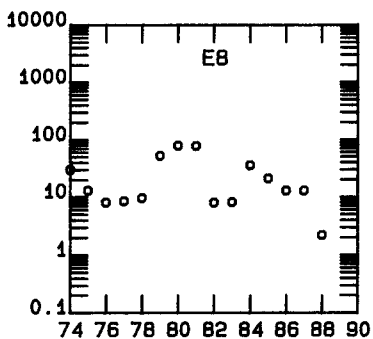
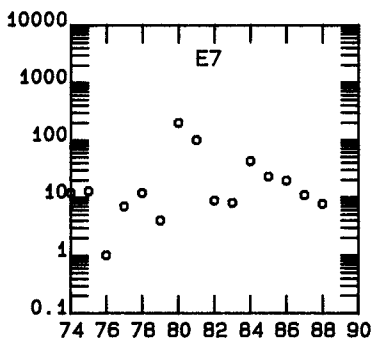
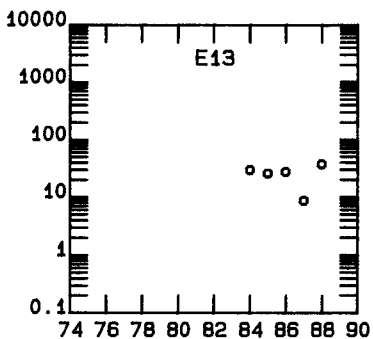
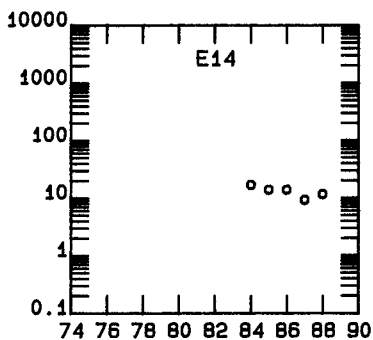
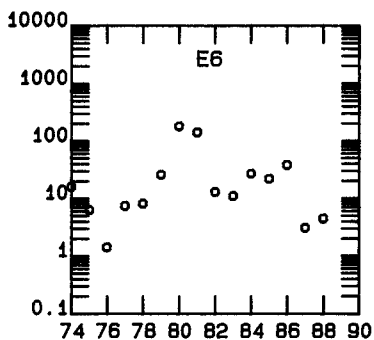
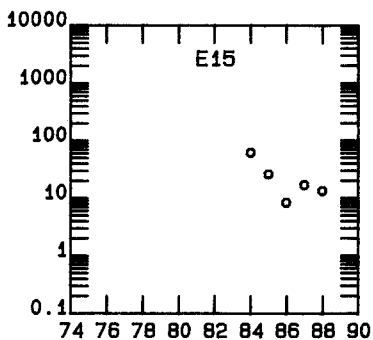
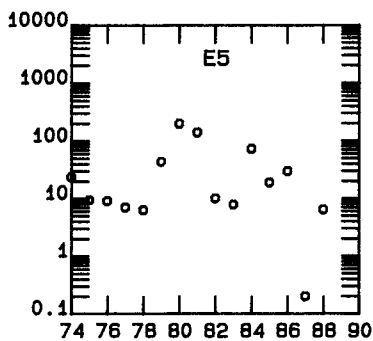
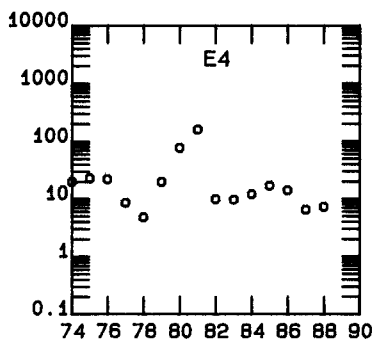
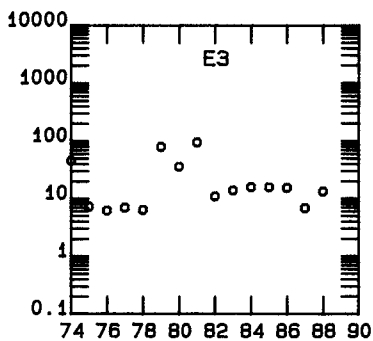
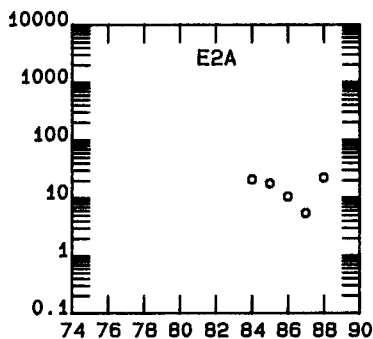
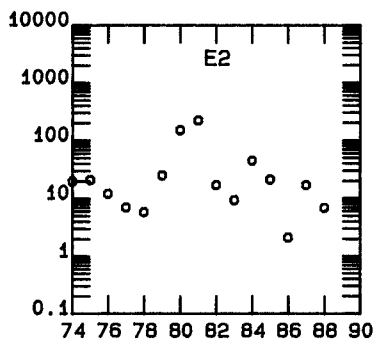
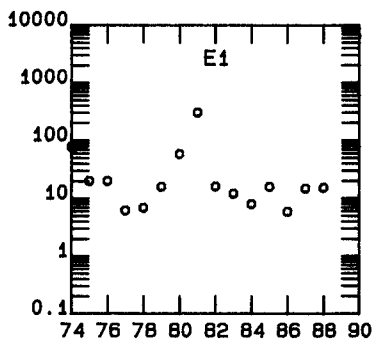
Kills - Raritan Bay Water Column Nickel (ug/l)
NYC DEP Harbor Survey 1974-1988



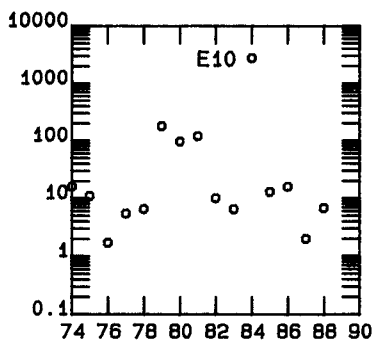
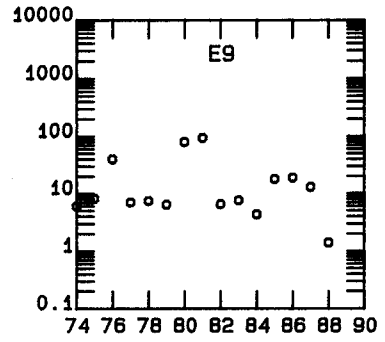
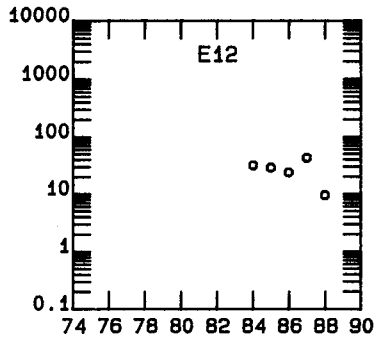
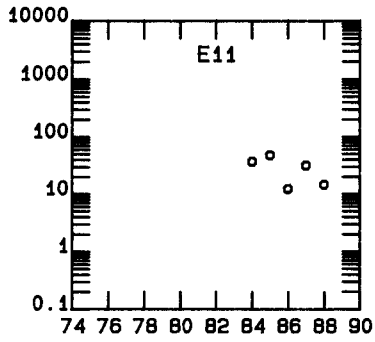
Harlem River Water Column Nickel (ug/l) NYC DEP Harbor Survey 1974-1988



East River Water Column Nickel (ug/l)
NYC DEP Harbor Survey 1974-1988



Outer East River Water Column Nickel (ug/l)
NYC DEP Harbor Survey 1974-1988



Hudson River Water Column Lead (ug/l)
NYC DEP Harbor Survey 1974-1988

