

Worksheet 2. Chlorofluorocarbon data

[Abbreviations: CFC, Chlorofluorocarbon; C, contamination; M, modern (within three years of sample collection); NP, not possible; PI, peak interference (cannot be quantified); pg/kg, picograms per kilogram.

CFC data: CFC concentrations, in pg/kg, were corrected. Model piston dates were corrected for excess air. Dual dates are possible.

Color indicators: Blue highlight, one replicate has inconsistent concentrations compared to two other replicates and other replicates have similar apparent recharge dates; pink highlight, all replicates have consistently high or increasing concentrations for one CFC, other CFCs have similar apparent recharge dates; light orange highlight, all replicates have consistently high concentrations for one or two CFCs, other CFCs do not have similar apparent recharge dates; yellow highlight, all replicates have inconsistent concentrations for one or more CFCs]

Station number	Date	Time	Replicate	Chlorofluorocarbon concentrations (pg/kg)			Model piston dates					
				CFC-11	CFC-12	CFC-113	CFC-11	CFC-11	CFC-12	CFC-12	CFC-113	CFC-113
352743114591901	10/07/03	1000	1	63.1	5.8	0.0	1968.5	NP	1955.0	NP	1953.0	NP
352743114591901	10/07/03	1000	2	567.6	7.2	5.7	C	C	1956.5	NP	1974.5	NP
352743114591901	10/07/03	1000	4	134.8	56.4	10.1	1973.5	NP	1972.5	NP	1978.5	NP
353114114524801	10/07/03	1330	1	3963.4	31.9	3.7	C	C	1964.0	NP	1967.0	NP
353114114524801	10/07/03	1330	3	565.9	129.7	4.5	1987.5	NP	1976.0	NP	1968.5	NP
353114114524801	10/07/03	1330	5	189.3	PI	4.7	1972.0	NP	PI	PI	1968.5	NP
355000115255301	09/16/03	1145	3	1287.2	138.6	17.6	C	C	1982.5	NP	1981.0	NP
355000115255301	09/16/03	1145	4	1264.3	138.5	19.4	C	C	1982.5	NP	1982.0	NP
360203115163201	10/09/03	1130	2	17.8	9.2	0.0	1961.0	NP	1957.5	NP	1953.0	NP
360203115163201	10/09/03	1130	4	154.7	12.2	1.3	1974.0	NP	1960.0	NP	1963.5	NP
360203115163201	10/09/03	1130	5	53.1	16.7	1.6	1967.0	NP	1962.5	NP	1964.5	NP
361044114505601	09/16/03	1600	3	108.6	93.8	18.6	1970.5	NP	1975.0	NP	1981.5	NP
361044114505601	09/16/03	1600	5	105.3	93.8	20.2	1970.5	NP	1975.0	NP	1982.0	NP
361156115570201	10/09/03	0	2	261.1	94.8	8.9	1977.0	NP	1974.5	NP	1975.0	NP
361156115570201	10/09/03	0	3	264.4	80.7	12.4	1977.0	NP	1973.0	NP	1977.5	NP
361313116013001	10/09/03	1645	1	433.5	226.1	53.5	1986.0	NP	1990.5	NP	1988.5	NP
361313116013001	10/09/03	1645	3	417.3	218.5	51.3	1985.0	NP	1989.0	NP	1988.5	NP
361440115174601	10/08/03	1045	2	204.6	39.4	3.9	1974.5	NP	1967.0	NP	1969.0	NP
361440115174601	10/08/03	1045	5	171.2	38.0	4.2	1973.0	NP	1966.5	NP	1969.5	NP
361928115160401	10/08/03	1730	1	35.0	5.8	0.0	1963.5	NP	1953.5	NP	1953.0	NP
361928115160401	10/08/03	1730	2	274.4	10.8	0.0	1978.5	NP	1957.5	NP	1953.0	NP
361928115160401	10/08/03	1730	4	1400.0	7.2	2.0	C	C	1955.0	NP	1964.5	NP
362531116214901	05/22/03	1830	2	63.9	333.5	61.8	1962.0	NP	1984.0	NP	1983.5	NP
362531116214901	05/22/03	1830	4	59.1	327.3	59.2	1961.5	NP	1983.5	NP	1983.0	NP

362531116214901	05/22/03	1830	5	59.1	344.3	61.0	1961.5	NP	1985.0	NP	1983.0	NP
362613115442401	09/15/03	1800	3	119.1	74.5	11.5	1968.5	NP	1970.0	NP	1974.5	NP
362613115442401	09/15/03	1800	5	126.0	72.6	11.9	1969.0	NP	1970.0	NP	1975.0	NP
364340114430301	09/17/03	1500	2	107.4	56.6	6.9	1974.0	NP	1974.5	NP	1978.0	NP
364340114430301	09/17/03	1500	3	85.9	49.0	5.0	1972.0	NP	1973.0	NP	1975.5	NP
364340114430301	09/17/03	1500	5	73.4	45.4	5.7	1971.0	NP	1972.5	NP	1976.5	NP
364624114031301	09/17/03	1100	3	12.5	4.4	0.0	1956.5	NP	1950.5	NP	1953.0	NP
364624114031301	09/17/03	1100	5	6.1	1.7	0.0	1954.0	NP	1947.0	NP	1953.0	NP
364627114074401	09/17/03	1230	3	8.2	8.1	0.0	1955.5	NP	1955.5	NP	1953.0	NP
364627114074401	09/17/03	1230	4	5.5	7.4	0.0	1954.0	NP	1954.5	NP	1953.0	NP
365834114590001	09/18/03	845	2	168.9	95.9	11.0	1972.0	NP	1973.5	NP	1975.5	NP
365834114590001	09/18/03	845	5	115.3	78.4	7.6	1969.5	NP	1972.0	NP	1973.0	NP
370246116461901	05/20/03	1900	2	29.0	22.0	13.2	1964.0	NP	1965.5	NP	1981.5	NP
370246116461901	05/20/03	1900	4	26.9	25.4	12.3	1964.0	NP	1966.5	NP	1981.0	NP
370246116461901	05/20/03	1900	5	32.4	28.3	33.8	1965.0	NP	1967.5	NP	1989.0	NP
370504116404903	05/21/03	1130	2	155.8	95.5	36.9	1977.0	NP	1982.5	NP	M	M
370504116404903	05/21/03	1130	4	164.3	112.4	38.5	1978.0	NP	1986.0	NP	M	M
370504116404903	05/21/03	1130	5	156.0	106.2	36.1	1977.0	NP	1984.5	NP	1995.5	1995.5
371647117015201	08/27/03	1030	2	41.1	18078.5	6.4	1967.0	NP	C	C	1977.0	NP
371647117015201	08/27/03	1030	3	69.6	14900.1	7.6	1970.5	NP	C	C	1978.5	NP
371647117015201	08/27/03	1030	4	93.6	16184.5	8.8	1972.5	NP	C	C	1979.5	NP
372431115110901	09/10/03	1000	2	72.0	22.3	2.3	1967.5	NP	1963.0	NP	1965.5	NP
372431115110901	09/10/03	1000	3	67.8	17.1	2.6	1967.0	NP	1961.0	NP	1966.5	NP
372431115110901	09/10/03	1000	5	71.7	20.3	2.9	1967.5	NP	1962.5	NP	1967.0	NP
373708114320701	09/10/03	1245	2	55.0	32.0	5.7	1966.0	NP	1966.0	NP	1972.5	NP
373708114320701	09/10/03	1245	3	56.0	32.7	6.3	1966.0	NP	1966.0	NP	1973.0	NP
373840115445201	09/09/03	1845	1	102.4	40.0	6.6	1970.0	NP	1968.0	NP	1973.5	NP
373840115445201	09/09/03	1845	5	90.2	39.7	5.7	1969.5	NP	1968.0	NP	1972.5	NP
374124114270001	09/10/03	1430	2	79.8	53.1	4.6	1967.5	NP	1968.5	NP	1969.5	NP
374124114270001	09/10/03	1430	5	79.0	46.4	5.4	1967.0	NP	1967.5	NP	1970.5	NP
374219118050901	08/26/03	1800	2	52.4	87.4	6.2	1962.0	NP	1969.0	NP	1967.0	NP
374219118050901	08/26/03	1800	4	36.8	83.8	3.7	1960.0	NP	1968.5	NP	1963.5	NP
374422117393001	08/27/03	1630	2	37.6	22.7	3.1	1964.5	NP	1964.0	NP	1969.0	NP
374422117393001	08/27/03	1630	5	31.0	27.3	2.5	1963.5	NP	1965.5	NP	1967.0	NP
375224117145401	10/06/03	1530	2	8.7	3.5	0.0	1957.5	NP	1952.5	NP	1953.0	NP
375224117145401	10/06/03	1530	5	17.1	1.3	0.0	1961.5	NP	1947.5	NP	1953.0	NP
375404114175301	09/10/03	1730	2	4326.4	242.2	61.1	C	C	2001.0	2001.0	1991.0	2005.0

375404114175301	09/10/03	1730	4	7227.8	224.9	59.7	C	C	1991.5	NP	1990.5	NP
375837118190501	08/26/03	1500	1	251.3	126.7	23.5	1976.5	NP	1979.5	NP	1982.5	NP
375837118190501	08/26/03	1500	2	240.3	146.2	21.0	1976.0	NP	1982.0	NP	1981.5	NP
380120114120701	09/11/03	1100	3	6.1	10.9	0.0	1953.0	NP	1954.5	NP	1953.0	NP
380120114120701	09/11/03	1100	4	5.6	10.9	0.0	1953.0	NP	1954.5	NP	1953.0	NP
381227116381001	08/27/03	1015	2	296.4	160.6	40.9	1976.5	NP	1981.0	NP	1985.5	NP
381227116381001	08/27/03	1015	5	297.0	157.3	40.3	1976.5	NP	1981.0	NP	1985.0	NP
381908114385701	09/11/03	1730	2	347.1	237.4	45.8	1976.5	NP	1986.0	NP	1984.5	NP
381908114385701	09/11/03	1730	4	305.5	235.6	49.3	1975.0	NP	1985.5	NP	1985.5	NP
381941114362801	09/11/03	1515	1	56.8	37.8	3.5	1965.5	NP	1966.5	NP	1967.5	NP
381941114362801	09/11/03	1515	3	52.6	38.1	3.2	1965.0	NP	1966.5	NP	1967.0	NP
381947114331201	09/11/03	1345	3	224.3	167.5	11.0	1973.0	NP	1979.5	NP	1974.5	NP
381947114331201	09/11/03	1345	5	223.5	164.4	10.0	1973.0	NP	1979.5	NP	1974.0	NP
382212116235101	08/28/03	1230	3	28.6	51.7	5.8	1961.5	NP	1968.5	NP	1971.0	NP
382212116235101	08/28/03	1230	5	27.7	59.1	5.4	1961.5	NP	1969.5	NP	1970.5	NP
382328117262501	08/26/03	1100	2	67.1	23.8	3.6	1967.0	NP	1963.5	NP	1968.5	NP
382328117262501	08/26/03	1100	4	78.7	23.9	4.5	1968.0	NP	1963.5	NP	1970.5	NP
382328117262501	10/06/03	1315	3	9.8	4.3	0.0	1957.0	NP	1952.0	NP	1953.0	NP
382328117262501	10/06/03	1315	4	9.7	5.1	0.0	1957.0	NP	1953.5	NP	1953.0	NP
382825118393801	09/09/03	1315	3	307.0	110.9	17.7	1977.0	NP	1975.0	NP	1979.0	NP
382825118393801	09/09/03	1315	5	272.2	112.1	19.5	1975.5	NP	1975.0	NP	1979.5	NP
382829115465201	04/08/03	1500	2	17.0	24.3	1.7	1957.5	NP	1962.0	NP	1961.5	NP
382829115465201	04/08/03	1500	4	18.0	26.8	3.8	1958.0	NP	1962.5	NP	1967.0	NP
382829115465201	04/08/03	1500	5	11.4	7.6	0.0	1956.0	NP	1953.5	NP	1953.0	NP
383011115462301	04/08/03	1200	2	550.1	162.1	34.1	1987.0	NP	1979.5	NP	1983.5	NP
383011115462301	04/08/03	1200	4	143.2	94.2	23.2	1970.0	NP	1972.5	NP	1980.0	NP
383011115462301	04/08/03	1200	5	141.5	89.7	17.3	1970.0	NP	1972.0	NP	1978.0	NP
383902118451301	09/15/03	1100	4	244.1	121.9	PI	1974.5	NP	1975.5	NP	PI	PI
383902118451301	09/15/03	1100	5	205.7	113.7	22.1	1973.0	NP	1974.5	NP	1980.0	NP
384631115250701	09/04/03	1345	3	2333.4	241.3	57.9	C	C	1991.5	NP	1988.5	NP
384631115250701	09/04/03	1345	5	2371.2	246.0	56.0	C	C	1992.5	NP	1988.5	NP
384706115241301	09/04/03	1500	2	249.8	223.1	41.3	1974.5	NP	1987.0	NP	1985.0	NP
384706115241301	09/04/03	1500	4	270.7	224.7	40.4	1975.5	NP	1987.0	NP	1985.0	NP
384837117580801	08/25/03	1900	1	66.4	29.6	4.4	1967.5	NP	1966.0	NP	1970.5	NP
384837117580801	08/25/03	1900	4	92.5	35.3	4.4	1969.5	NP	1967.0	NP	1971.0	NP
385231119252101	07/14/03	1000	2	352.4	177.1	30.1	1975.5	NP	1977.5	NP	1980.5	NP
385231119252101	07/14/03	1000	4	348.4	164.3	29.4	1975.0	NP	1976.5	NP	1980.0	NP

385231119252101	07/14/03	1000	5	412.1	177.0	29.4	1977.0	NP	1977.5	NP	1980.0	NP
385238117350301	08/25/03	1600	4	1096.2	267.4	70.3	C	C	1989.0	NP	1988.5	NP
385238117350301	08/25/03	1600	5	1151.4	259.4	66.3	C	C	1988.0	NP	1988.0	NP
385304119460601	05/30/03	1245	2	952.8	238.7	55.1	C	C	1982.0	NP	1984.5	NP
385304119460601	05/30/03	1245	4	436.7	176.7	42.4	1976.5	NP	1976.5	NP	1982.5	NP
385304119460601	05/30/03	1245	5	764.6	213.2	47.8	1987.5	NP	1980.0	NP	1983.5	NP
385348115015001	09/04/03	1000	2	335.3	177.6	42.8	1978.0	NP	1982.5	NP	1985.5	NP
385348115015001	09/04/03	1000	4	324.1	173.8	41.9	1977.5	NP	1982.0	NP	1985.5	NP
385606119412201	07/15/03	850	5	155.6	3.1	0.0	1969.0	NP	1948.0	NP	1953.0	NP
385612115025601	09/12/03	830	4	70.2	59.0	7.8	1966.0	NP	1969.0	NP	1972.5	NP
385612115025601	09/12/03	830	5	79.0	57.8	7.5	1966.5	NP	1968.5	NP	1972.5	NP
385612119464101	05/30/03	1030	2	903.9	230.9	54.4	C	C	1985.0	NP	1986.0	NP
385612119464101	05/30/03	1030	4	652.5	195.3	44.5	1988.0	2006.0	1981.5	NP	1984.0	NP
385612119464101	05/30/03	1030	5	1001.9	242.2	52.4	C	C	1986.0	NP	1985.5	NP
385655119413101	07/09/03	1045	2	25.0	8.9	0.0	1960.5	NP	1955.5	NP	1953.0	NP
385655119413101	07/09/03	1045	4	26.4	35.1	0.0	1961.0	NP	1965.5	NP	1953.0	NP
385655119413101	07/09/03	1045	5	57.3	9.7	0.0	1965.0	NP	1956.0	NP	1953.0	NP
385815119500301	05/01/03	1320	2	23.6	54.1	23.0	1959.5	NP	1968.0	NP	1980.0	NP
385815119500301	05/01/03	1320	3	24.3	58.3	18.1	1960.0	NP	1968.5	NP	1978.5	NP
385815119500301	05/01/03	1320	4	15.9	53.4	18.7	1957.5	NP	1968.0	NP	1978.5	NP
385816119482401	05/02/03	1100	2	20.7	29.1	29.0	1957.5	NP	1962.0	NP	1980.0	NP
385816119482401	05/02/03	1100	4	12.2	9.8	30.1	1955.5	NP	1954.0	NP	1980.5	NP
385816119482401	05/02/03	1100	5	17.8	20.6	30.9	1957.0	NP	1959.5	NP	1980.5	NP
390028114110401	09/03/03	1145	2	552.6	288.1	74.5	1980.0	NP	1985.5	NP	1986.5	NP
390028114110401	09/03/03	1145	5	564.0	291.3	81.6	1980.5	NP	1985.5	NP	1987.0	NP
390148119564101	08/08/03	1000	2	8803.1	230.4	31.5	C	C	1980.5	NP	1979.5	NP
390148119564101	08/08/03	1000	4	9561.8	221.7	30.0	C	C	1979.5	NP	1979.0	NP
390148119564101	08/08/03	1000	5	3008.1	220.2	29.6	C	C	1979.5	NP	1979.0	NP
390315119403201	07/15/03	1045	2	105.8	92.2	18.3	1969.0	NP	1973.5	NP	1979.0	NP
390315119403201	07/15/03	1045	4	115.2	86.1	19.0	1969.5	NP	1972.5	NP	1979.5	NP
390553119543001	08/08/03	1230	2	90.8	131.5	3.7	1965.0	NP	1973.0	NP	1964.0	NP
390553119543001	08/08/03	1230	4	72.8	130.1	4.1	1964.0	NP	1972.5	NP	1965.0	NP
390553119543001	08/08/03	1230	5	73.5	127.6	3.8	1964.0	NP	1972.5	NP	1964.0	NP
390637119472301	07/02/03	1330	1	37.7	4.0	0.0	1961.5	NP	1949.5	NP	1953.0	NP
390637119472301	07/02/03	1330	4	26.1	5.5	0.0	1959.5	NP	1951.0	NP	1953.0	NP
390637119472301	07/02/03	1330	5	48.4	10.7	0.0	1963.0	NP	1955.0	NP	1953.0	NP
390637119472303	07/02/03	1020	2	23.1	2.3	0.0	1959.5	NP	1947.5	NP	1953.0	NP

390637119472303	07/02/03	1020	4	8.8	1.0	0.0	1955.0	NP	1945.0	NP	1953.0	NP
390637119472303	07/02/03	1020	5	54.0	127.7	0.0	1964.0	NP	1975.0	NP	1953.0	NP
390657119492101	08/08/03	1500	2	5476.3	378.4	36.5	C	C	C	C	1982.5	NP
390657119492101	08/08/03	1500	4	5326.1	372.0	36.0	C	C	C	C	1982.0	NP
390657119492101	08/08/03	1500	5	5370.4	373.5	35.7	C	C	C	C	1982.0	NP
390843119462601	06/27/03	1315	2	435.7	9.4	0.0	1978.5	NP	1954.0	NP	1953.0	NP
390843119462601	06/27/03	1315	4	596.1	11.5	0.0	1985.5	NP	1955.5	NP	1953.0	NP
390843119462601	06/27/03	1315	5	473.3	7.5	0.0	1980.5	NP	1952.5	NP	1953.0	NP
390917119430701	03/31/03	1030	2	12.7	123.6	6.2	1956.5	NP	1975.5	NP	1970.5	NP
390917119430701	03/31/03	1030	3	17.2	124.5	4.4	1958.0	NP	1975.5	NP	1968.0	NP
390917119430701	03/31/03	1030	5	629.5	210.9	39.0	1994.5	1994.0	1985.0	NP	1984.5	NP
390952114214401	09/03/03	1430	3	612.2	228.6	57.1	M	M	1988.0	NP	1988.0	NP
390952114214401	09/03/03	1430	5	220.7	241.7	56.8	1974.0	NP	1989.5	NP	1988.0	NP
390955119481001	07/08/03	1145	2	129.5	9.2	0.0	1968.0	NP	1953.5	NP	1953.0	NP
390955119481001	07/08/03	1145	4	66.1	3.9	0.0	1964.0	NP	1949.0	NP	1953.0	NP
390955119481001	07/08/03	1145	5	57.0	4.1	0.0	1963.0	NP	1949.0	NP	1953.0	NP
390955119481002	07/08/03	1315	2	39.5	5.9	0.0	1961.5	NP	1951.0	NP	1953.0	NP
390955119481002	07/08/03	1315	4	39.2	3.8	0.0	1961.5	NP	1949.0	NP	1953.0	NP
390955119481002	07/08/03	1315	5	25.2	4.3	0.0	1959.0	NP	1949.5	NP	1953.0	NP
391111119481901	07/07/03	1030	2	7593.8	2338.8	50.7	C	C	C	C	1987.0	NP
391111119481901	07/07/03	1030	4	7566.8	2353.6	51.5	C	C	C	C	1987.0	NP
391111119481901	07/07/03	1030	5	7527.7	2327.7	51.3	C	C	C	C	1987.0	NP
391126119441902	04/23/03	1230	2	100.9	336.4	100.0	1967.5	NP	C	C	C	C
391126119441902	04/23/03	1230	4	168.0	315.3	60.9	1971.0	NP	C	C	1987.5	NP
391126119441902	04/23/03	1230	5	98.5	311.5	41.9	1967.5	NP	C	C	1984.5	NP
391127119442501	05/30/03	1500	2	285.9	176.7	43.9	1975.5	NP	1981.5	NP	1985.0	NP
391127119442501	05/30/03	1500	4	550.8	212.0	49.3	1987.0	NP	1985.5	NP	1986.0	NP
391127119442501	05/30/03	1500	5	274.0	179.2	45.6	1975.0	NP	1982.0	NP	1985.5	NP
391158119555001	08/07/03	1130	2	54.0	35.9	5.5	1962.5	NP	1963.0	NP	1967.5	NP
391158119555001	08/07/03	1130	3	50.7	36.7	5.4	1962.5	NP	1963.0	NP	1967.5	NP
391158119555001	08/07/03	1130	4	49.9	35.5	5.1	1962.0	NP	1963.0	NP	1967.0	NP
391201119421501	07/15/03	1410	2	282.1	122.6	26.5	1977.5	NP	1977.5	NP	1983.0	NP
391201119421501	07/15/03	1410	4	423.0	118.0	25.8	1985.5	NP	1977.0	NP	1983.0	NP
391201119421501	07/15/03	1410	5	227.5	121.0	26.6	1975.0	NP	1977.0	NP	1983.0	NP
391301114515701	09/02/03	915	2	18.1	2.5	0.0	1958.5	NP	1948.0	NP	1953.0	NP
391301114515701	09/02/03	915	4	9.3	2.0	0.0	1955.5	NP	1947.5	NP	1953.0	NP
391949114525001	09/02/03	1300	1	117.9	241.3	9.2	1969.5	NP	1990.5	NP	1974.0	NP

391949114525001	09/02/03	1300	5	118.0	235.8	8.4	1969.5	NP	1989.5	NP	1973.5	NP
392028114290301	09/02/03	1900	3	20.3	6.3	0.0	1959.0	NP	1952.5	NP	1953.0	NP
392028114290301	09/02/03	1900	4	18.5	6.4	0.0	1958.5	NP	1953.0	NP	1953.0	NP
392145116541302	06/04/03	1530	2	163.3	83.3	41.9	1973.0	NP	1974.0	NP	1987.5	NP
392145116541302	06/04/03	1530	4	42.6	33.6	35.3	1964.5	NP	1966.5	NP	1986.0	NP
392145116541302	06/04/03	1530	5	46.1	33.7	35.9	1965.0	NP	1966.5	NP	1986.0	NP
392308116553401	06/03/03	1530	2	853.5	210.6	48.7	C	C	C	C	M	M
392308116553401	06/03/03	1530	4	30.8	10.5	3.6	1964.0	NP	1959.0	NP	1970.5	NP
392308116553401	06/03/03	1530	5	49.7	25.0	6.5	1966.5	NP	1965.5	NP	1975.0	NP
392327118425401	01/30/03	1330	2	20.4	111.1	3.6	1960.0	NP	1976.0		1968.0	NP
392327118425401	01/30/03	1330	4	22.8	90.8	2.8	1960.5	NP	1974.0		1966.5	NP
392327118425401	01/30/03	1330	5	24.2	100.1	2.8	1961.0	NP	1975.0		1966.5	NP
392410119041201	07/17/03	1130	2	153.2	573.4	23.6	1975.5	NP	C	C	1986.0	NP
392410119041201	07/17/03	1130	4	137.7	567.2	23.0	1974.5	NP	C	C	1986.0	NP
392410119041201	07/17/03	1130	5	146.1	546.8	20.9	1975.0	NP	C	C	1985.0	NP
392507119032001	07/17/03	940	2	126.9	75.9	14.8	1975.5	NP	1978.5	NP	1984.0	NP
392507119032001	07/17/03	940	4	128.8	71.4	20.0	1975.5	NP	1977.5	NP	1986.0	NP
392507119032001	07/17/03	940	5	292.4	78.8	22.1	1994.5	1994.0	1979.5	NP	1987.0	NP
392622117171301	08/18/03	1730	1	25.1	8.0	2.0	1959.5	NP	1953.5	NP	1962.0	NP
392622117171301	08/18/03	1730	3	9.9	2.5	0.0	1955.0	NP	1948.0	NP	1953.0	NP
392733118463801	06/11/03	1015	2	372.0	227.4	59.4	1979.5	NP	1987.5	NP	1988.0	NP
392733118463801	06/11/03	1015	4	370.3	235.6	58.5	1979.5	NP	1988.0	NP	1988.0	NP
392733118463801	06/11/03	1015	5	374.5	222.7	63.3	1980.0	NP	1987.0	NP	1988.5	NP
392829118520001	06/11/03	1300	2	537.8	268.9	114.7	1983.5	NP	1987.0	NP	C	C
392829118520001	06/11/03	1300	4	539.0	282.2	110.0	1983.5	NP	1988.5	NP	C	C
392829118520001	06/11/03	1300	5	537.3	274.2	109.8	1983.5	NP	1987.5	NP	C	C
393004118514201	01/29/03	1330	2	369.0	224.9	52.6	1987.0	NP	C		1992.0	1998.5
393004118514201	01/29/03	1330	4	372.4	214.0	53.0	1987.0	NP	M		1992.5	1997.5
393004118514201	01/29/03	1330	5	364.5	209.1	50.9	1986.5	NP	M		1991.0	2003.5
393006118515101	01/29/03	1135	1	358.9	224.1	54.2	1985.0	NP	M		1990.5	NP
393006118515101	01/29/03	1135	2	349.5	212.2	48.0	1984.5	NP	1995.0		1989.0	NP
393006118515101	01/29/03	1135	4	356.9	214.7	52.0	1985.0	NP	1997.5		1990.0	NP
393051119431601	04/17/03	1120	2	13.3	2384.7	29813.6	1957.0	NP	C	C	C	C
393051119431601	04/17/03	1120	4	17.3	2344.9	28135.7	1958.0	NP	C	C	C	C
393051119431601	04/17/03	1120	5	138.0	2186.3	27218.6	1970.5	NP	C	C	C	C
393109117462601	09/05/03	1130	4	62.1	47.9	3.6	1964.5	NP	1966.0	NP	1965.5	NP
393109117462601	09/05/03	1130	5	45.2	43.7	2.4	1962.5	NP	1965.5	NP	1963.0	NP

393243119340901	12/12/02	1315	2	457.0	251.2	100.4	1986.0	NP	1995.5		C	C
393243119340901	12/12/02	1315	4	459.5	265.5	102.6	1986.0	NP	M		C	C
393243119340901	12/12/02	1315	5	453.0	256.9	101.5	1986.0	NP	2001.5		C	C
393358116003101	08/21/03	900	2	41.6	23.2	2.5	1963.0	NP	1962.0	NP	1964.0	NP
393358116003101	08/21/03	900	4	22.8	21.7	1.3	1960.0	NP	1961.5	NP	1960.0	NP
393535116012001	08/21/03	1100	2	90.4	67.7	4.6	1967.5	NP	1970.0	NP	1968.5	NP
393535116012001	08/21/03	1100	4	94.8	71.5	4.6	1967.5	NP	1970.5	NP	1969.0	NP
393718119170201	12/11/02	1215	2	203.8	136.0	33.7	1972.0	NP	1975.5		1982.0	NP
393718119170201	12/11/02	1215	3	204.6	149.7	37.2	1972.0	NP	1976.5		1983.0	NP
393718119170201	12/11/02	1215	4	198.8	136.6	33.2	1972.0	NP	1975.5		1982.0	NP
393718119170201	12/11/02	1215	5	1126.4	308.7	70.2		C	C	1996.5	1988.0	NP
393858118453702	06/11/03	1400	2	4.3	4.7	7.3	1954.5	NP	1954.0	NP	1977.0	NP
393858118453702	06/11/03	1400	4	3.2	3.9	5.6	1953.5	NP	1953.0	NP	1974.5	NP
393858118453702	06/11/03	1400	5	5.7	7.9	7.4	1955.5	NP	1957.5	NP	1977.0	NP
394505119401201	09/20/03	1345	1	205.4	101.0	19.0	1975.0	NP	1976.0	NP	1981.5	NP
394505119401201	09/20/03	1345	2	167.9	102.2	20.0	1973.5	NP	1976.5	NP	1981.5	NP
394505119401201	09/20/03	1345	3	112.7	106.1	20.2	1970.5	NP	1977.0	NP	1982.0	NP
395102115444201	08/20/03	1500	1	442.5	201.7	100.3	1983.0	NP	1984.5	NP	C	C
395102115444201	08/20/03	1500	2	415.1	195.7	53.0	1982.0	NP	1984.0	NP	1987.0	NP
395657119571601	06/25/03	1000	2	473.4	265.7	64.4	1982.0	NP	1988.0	NP	1987.5	NP
395657119571601	06/25/03	1000	4	433.3	260.2	64.4	1980.0	NP	1987.5	NP	1987.5	NP
395657119571601	06/25/03	1000	5	502.5	273.3	65.2	1983.0	NP	1989.0	NP	1987.5	NP
395734119595503	05/07/03	1130	1	89.0	45.4	61.5	1967.0	NP	1966.5	NP	1987.5	NP
395734119595503	05/07/03	1130	3	85.0	36.4	53.2	1966.5	NP	1964.5	NP	1986.5	NP
395734119595503	05/07/03	1130	5	85.4	38.1	56.9	1966.5	NP	1965.0	NP	1987.0	NP
395737119595501	05/14/03	1245	1	86.5	44.3	57.4	1966.0	NP	1965.5	NP	1986.5	NP
395737119595501	05/14/03	1245	3	57.5	33.4	33.6	1964.0	NP	1963.5	NP	1982.0	NP
400119115274801	08/20/02	1300	1	44.7	28.8	20.6	1962.5	NP	1963.0	NP	1978.5	NP
400119115274801	08/20/02	1300	4	43.5	27.3	46.2	1962.5	NP	1962.5	NP	1985.0	NP
400119115274801	08/20/02	1300	5	53.6	534.1	50.5	1963.5	NP	C	NP	1985.5	NP
400119115274802	08/20/02	1500	2	49.5	38.9	146.8	1964.0	NP	1966.0	NP	C	C
400119115274802	08/20/02	1500	4	226.3	243.5	82.9	1974.0	NP	1991.0	NP	C	C
400119115274802	08/20/02	1500	5	45.3	29.1	105.2	1963.5	NP	1964.0	NP	C	C
400131115254501	08/21/02	1000	2	115.4	81.6	124.6	1969.5	NP	1972.0	NP	C	C
400131115254501	08/21/02	1000	4	119.9	79.1	120.7	1969.5	NP	1972.0	NP	C	C
400131115254501	08/02/02	1000	5	243.8	187.5	77.1	1974.5	NP	1984.5	NP	1995.0	1995.0
400223117154201	08/19/03	1200	2	8.6	3.4	0.0	1955.0	NP	1949.5	NP	1953.0	NP



400223117154201	08/19/03	1200	4	10.4	1.5	0.0	1955.5	NP	1946.5	NP	1953.0	NP
400605117110401	08/19/03	1000	2	750.2	221.1	55.1	C	C	1991.5	NP	1989.5	NP
400605117110401	08/19/03	1000	4	709.4	224.9	55.4	C	C	1992.5	NP	1989.5	NP
400849119485301	06/18/03	1615	2	49.4	38.5	35.5	1967.5	NP	1969.5	NP	1989.5	NP
400849119485301	06/18/03	1615	4	44.2	52.9	40.6	1966.5	NP	1972.5	NP	1995.5	1995.5
400849119485301	06/18/03	1615	5	44.5	40.3	38.6	1966.5	NP	1970.0	NP	1991.0	2004.0
401235119491601	06/18/03	1820	2	7.7	11.1	5.1	1954.5	NP	1956.0	NP	1969.0	NP
401235119491601	06/18/03	1820	4	7.2	9.7	5.0	1954.5	NP	1955.5	NP	1969.0	NP
401235119491601	06/18/03	1820	5	5.0	9.3	2.5	1953.0	NP	1955.0	NP	1964.0	NP
401913115265701	10/08/02	1100	2	510.0	240.9	67.9	1981.0	NP	1984.5		1987.0	NP
401913115265701	10/08/02	1100	4	525.4	242.4	71.2	1982.0	NP	1984.5		1987.0	NP
401913115265701	10/08/02	1100	5	535.7	256.8	74.6	1982.0	NP	1986.0		1987.5	NP
401950118185201	08/14/03	1000	1	40.1	5.3	0.0	1962.5	NP	1951.5	NP	1953.0	NP
401950118185201	08/14/03	1000	2	95.1	20.2	3.2	1967.5	NP	1960.5	NP	1966.0	NP
401950118185201	08/14/03	1000	5	96.0	9.2	0.0	1967.5	NP	1955.0	NP	1953.0	NP
402360115190101	10/10/02	1245	2	14.3	126.9	13.5	1956.0	NP	1974.0	NP	1974.5	NP
402360115190101	10/10/02	1245	4	27.5	344.3	12.4	1959.5	NP	2005.0	NP	1974.0	NP
402360115190101	10/10/02	1245	5	618.0	219.7	52.0	1985.0	NP	1982.5	NP	1984.5	NP
402555114591801	10/09/02	1530	2	32.8	29.4	2.6	1960.5	NP	1962	NP	1962.5	NP
402555114591801	10/09/02	1530	4	35.5	32.0	4.9	1961	NP	1963	NP	1967.0	NP
402555114591801	10/09/02	1530	5	35.1	25.6	0.0	1961	NP	1961	NP	1955.0	NP
402639119274301	09/24/03	1045	1	104.1	46.4	5.4	1970.0	NP	1968.5	NP	1971.5	NP
402639119274301	09/24/03	1045	3	108.1	46.1	9.8	1970.0	NP	1968.5	NP	1976.0	NP
403334115155101	10/09/02	1000	2	37.9	100.4	3.4	1961.0	NP	1971.5	NP	1964.5	NP
403334115155101	10/09/02	1000	4	42.2	100.5	4.2	1961.5	NP	1971.5	NP	1966.0	NP
403334115155101	10/09/02	1000	5	44.9	107.3	5.1	1962.0	NP	1972.5	NP	1967.5	NP
403435116530601	08/19/03	1600	2	61.0	25.3	3.7	1964.5	NP	1962.0	NP	1966.5	NP
403435116530601	08/19/03	1600	4	58.1	25.5	4.1	1964.5	NP	1962.0	NP	1967.0	NP
403614119445401	09/20/03	1748	2	14.8	22.4	0.0	1959.0	NP	1963.5	NP	1953.0	NP
403614119445401	09/20/03	1748	5	6.2	18.8	0.0	1955.0	NP	1962.5	NP	1953.0	NP
403634117390201	07/31/03	1600	2	31.9	8.4	0.0	1964.5	NP	1958.0	NP	1953.0	NP
403634117390201	07/31/03	1600	4	20.6	1.4	0.0	1962.5	NP	1948.0	NP	1953.0	NP
403634117390201	07/31/03	1600	5	14.7	1.4	0.0	1960.5	NP	1948.0	NP	1953.0	NP
404229119275401	09/23/03	1000	1	6.5	2.5	0.0	1955.5	NP	1949.5	NP	1953.0	NP
404229119275401	09/23/03	1000	4	3.5	7.2	0.0	1953.5	NP	1956.0	NP	1953.0	NP
404345116142701	07/30/03	1630	2	126.6	7.0	0.0	1969.0	NP	1953.0	NP	1953.0	NP
404345116142701	07/30/03	1630	4	19.5	6.9	0.0	1958.0	NP	1952.5	NP	1953.0	NP



404345116142701	07/30/03	1630	5	58.2	7.1	0.0	1964.0	NP	1953.0	NP	1953.0	NP
404605116074901	07/21/03	900	2	259.8	141.9	32.7	1974.0	NP	1976.5	NP	1982.5	NP
404605116074901	07/21/03	900	4	308.9	139.2	31.6	1975.5	NP	1976.0	NP	1982.0	NP
404605116074901	07/21/03	900	5	287.4	137.6	32.2	1975.0	NP	1976.0	NP	1982.5	NP
404756116155101	07/23/03	1530	2	16.6	1.6	0.0	1956.5	NP	1946.0	NP	1953.0	NP
404757116155101	07/23/03	1530	4	23.3	1.1	0.0	1958.5	NP	1945.5	NP	1953.0	NP
404757116155101	07/23/03	1530	5	6.3	1.4	0.0	1953.5	NP	1946.0	NP	1953.0	NP
404759116115401	07/22/03	1120	2	38.2	19.2	2.9	1964.0	NP	1962.5	NP	1968.0	NP
404759116115401	07/22/03	1120	4	51.7	17.8	2.8	1966.0	NP	1962.0	NP	1967.5	NP
404759116115401	07/22/03	1120	5	66.5	23.1	4.5	1967.5	NP	1964.0	NP	1971.0	NP
404803116062601	07/22/03	1630	2	13.9	2.5	0.0	1957.5	NP	1948.5	NP	1953.0	NP
404803116062601	07/22/03	1630	4	31.5	8.9	0.0	1962.0	NP	1955.5	NP	1953.0	NP
404803116062601	07/22/03	1630	5	13.5	4.2	0.0	1957.0	NP	1951.0	NP	1953.0	NP
404809119303301	09/24/03	1330	2	378.9	209.3	52.9	1981.5	NP	1987.0	NP	1988.0	NP
404809119303301	09/24/03	1330	3	380.3	203.1	53.3	1981.5	NP	1986.0	NP	1988.0	NP
404809119303301	09/24/03	1330	5	378.5	198.3	53.0	1981.5	NP	1985.5	NP	1988.0	NP
405258119193701	09/23/03	1400	1	71.0	60.2	9.6	1968.0	NP	1971.5	NP	1976.5	NP
405258119193701	09/23/03	1400	4	33.0	50.3	6.0	1963.5	NP	1970.0	NP	1973.0	NP
405258119193701	09/23/03	1400	5	72.2	48.9	14.7	1968.0	NP	1969.5	NP	1979.5	NP
405558116204901	06/05/03	945	2	41.8	40.2	6.3	1963.0	NP	1965.5	NP	1970.5	NP
405558116204901	06/05/03	945	4	1067.5	247.6	56.6	C	C	1988.5	NP	1987.5	NP
405558116204901	06/05/03	945	5	164.0	113.5	24.4	1971.0	NP	1974.5	NP	1980.5	NP
405832116164401	07/31/03	1030	2	24.8	2.0	0.0	1957.0	NP	1946.0	NP	1953.0	NP
405832116164401	07/31/03	1030	4	83.5	2.5	0.0	1964.0	NP	1946.5	NP	1953.0	NP
405832116164401	07/31/03	1030	5	38.0	3.2	0.0	1959.5	NP	1947.5	NP	1953.0	NP
405921116152101	07/23/03	1245	2	38.6	6.1	3.6	1960.5	NP	1950.5	NP	1964.0	NP
405921116152101	07/23/03	1245	4	33.0	3.6	0.0	1959.5	NP	1948.0	NP	1953.0	NP
405921116152101	07/23/03	1245	5	12.8	6.8	0.0	1955.0	NP	1951.0	NP	1953.0	NP
410030115003401	10/21/03	930	2	727.7	333.7	90.9	1986.0	NP	1988.5	NP	1988.0	NP
410030115003402	10/21/03	930	4	759.6	361.3	94.2	1987.0	NP	1991.5	NP	1988.5	NP
410213115143701	10/20/03	1315	4	61.7	49.6	8.1	1967.5	NP	1970.0	NP	1975.5	NP
410213115143701	10/20/03	1315	5	65.1	49.0	8.1	1967.5	NP	1970.0	NP	1975.5	NP
410541114420401	10/23/03	1200	1	94.2	72.7	8.7	1967.5	NP	1970.5	NP	1973.0	NP
410541114420401	10/23/03	1200	2	92.7	74.6	7.6	1967.5	NP	1970.5	NP	1972.0	NP
410541114420401	10/23/03	1200	5	92.6	72.4	7.4	1967.5	NP	1970.5	NP	1972.0	NP
410652114553401	10/20/03	1530	2	12.4	29.0	3.2	1956.5	NP	1964.0	NP	1966.5	NP
410652114553401	10/20/03	1530	4	17.3	26.9	2.2	1958.5	NP	1963.5	NP	1964.0	NP

410657114464901	10/23/03	1000	4	6.4	5.6	0.0	1954.0	NP	1952.0	NP	1953.0	NP
413043117505201	08/01/03	830	2	811.1	155.2	29.3	C	C	1980.0	NP	1983.0	NP
413043117505201	08/01/03	830	4	775.9	161.3	31.4	C	C	1981.0	NP	1983.5	NP
413043117505201	08/01/03	830	5	803.0	162.7	30.5	C	C	1981.0	NP	1983.0	NP
414250118305801	08/14/03	1400	3	197.6	98.5	18.4	1977.5	NP	1979.5	NP	1983.0	NP
414250118305801	08/14/03	1400	5	182.3	94.9	15.8	1976.5	NP	1978.0	NP	1982.0	NP
415410118570001	08/14/03	1815	3	1674.4	53.9	18.4	C	C	1969.0	NP	1980.0	NP
415410118570001	08/14/03	1815	5	2222.6	52.4	22.5	C	C	1969.0	NP	1981.5	NP
415621118365701	08/14/03	1600	2	387.5	197.6	49.2	1982.0	NP	1985.5	NP	1987.0	NP
415621118365701	08/14/03	1600	3	491.4	212.6	54.9	1987.0	NP	1987.0	NP	1988.0	NP
415644116114501	09/25/02	1010	2	839.5	295.0	47.4	M	M	1987.5		1983.5	NP
415644116114501	09/25/02	1010	4	559.1	300.2	34.0	1983.0	NP	1988.0		1981.0	NP
415644116114501	09/25/02	1010	5	572.2	351.9	26.0	1983.5	NP	1998.5		1979.0	NP
415916114402001	10/21/03	1515	2	80.1	65.7	0.0	1967.5	NP	1971.0	NP	1953.0	NP
415916114402001	10/21/03	1515	5	73.7	59.1	2.2	1967.0	NP	1970.0	NP	1964.5	NP
415926116105001	09/25/02	1030	2	33.1	40.2	4.1	1961.0	NP	1965.0		1967.0	NP
415926116105001	09/25/02	1030	3	22.6	26.6	1.8	1959.0	NP	1962.0		1961.0	NP
415926116105001	09/25/02	1030	4	28.1	29.8	1.6	1960.0	NP	1963.0		1960.0	NP