S O L A R R A D I O E M I S S I O N
Selected Fixed Frequency Events

OCTOBER 2003

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean	Int	Remarks
02	2695	LEAR	8	S	0652.0	0652.0	1.0	38.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0652.0	0653.0	2.0	220.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0652.0	0653.0	3.0	320.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0652.0	0652.0	2.0	49.0			QL=4 ST=2 TYP=3
03	2695	LEAR	8	S	0756.0	0756.0	U	46.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0756.0	0756.0	U	40.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0756.0	0756.0	U	58.0			QL=4 ST=2 TYP=3
04	8800	SGMR	8	S	1545.0	1546.0	2.0	80.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1546.0	1546.0	1.0	22.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1546.0	1546.0	1.0	23.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1546.0	1546.0	2.0	64.0			QL=4 ST=2 TYP=3
05	2695	SGMR	8	S	1322.0	1322.0	1.0	41.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1322.0	1322.0	1.0	52.0			QL=4 ST=2 TYP=3
18	8800	SGMR	4	S/F	1705.0	1706.0	5.0	53.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1706.0	1706.0	4.0	26.0			QL=4 ST=2 TYP=3
19	8800	SVTO	4	S/F	0612.0	0620.0	15.0	200.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0619.0	0620.0	3.0	130.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0620.0	0621.0	1.0	46.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0621.0	0621.0	U	37.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1633.0	1652.0	67.0	1100.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1634.0	1652.0	46.0	510.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1645.0	1652.0	21.0	660.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1649.0	1652.0	16.0	1000.0			QL=4 ST=2 TYP=8
20	8800	SVTO	48	C	0709.0	0711.0	16.0	180.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0710.0	0711.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1856.0	1857.0	1.0	91.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2200.0	2200.0	1.0	180.0			QL=4 ST=2 TYP=3
21	8800	LEAR	48	C	0326.0E	0338.0U	13.0D	91.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	0344.0	0345.0	7.0	150.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0344.0	0346.0	4.0	190.0			QL=4 ST=1 TYP=3
	8800	LEAR	8	S	0345.0	0345.0	1.0	42.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0823.0	0824.0	2.0	620.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	0823.0	0824.0	9.0	650.0			QL=4 ST=2 TYP=6
	2695	LEAR	8	S	0824.0	0824.0	U	48.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0824.0	0824.0	U	35.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2034.0	2039.0	21.0	270.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2037.0	2042.0	18.0	240.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2038.0	2042.0	15.0	370.0			QL=4 ST=2 TYP=3
22	8800	PALE	8	S	0324.0	0326.0	2.0	350.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0324.0	0326.0	4.0	330.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0327.0	0330.0	7.0	320.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0327.0	0330.0	7.0	480.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0427.0	0429.0	5.0	210.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0427.0	0429.0	12.0	170.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0942.0	0942.0	U	42.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1215.0	1215.0	1.0	66.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1509.0	1509.0	1.0	51.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1509.0	1509.0	2.0	67.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1600.0	1601.0	1.0	130.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1730.0	1730.0	U	54.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1731.0	1731.0	1.0	50.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	1945.0	2009.0	41.0	1500.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1946.0	2011.0	43.0	2400.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1950.0	2009.0	23.0	240.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1951.0	2011.0	38.0	250.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	2156.0	2157.0	1.0	68.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2244.0	2244.0	1.0	60.0			QL=4 ST=2 TYP=3
23	8800	LEAR	4	S/F	0115.0	0115.0	3.0	73.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0237.0	0237.0	U	54.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0238.0	0238.0	U	91.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Selected Fixed Frequency Events

OCTOBER 2003

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
23	8800	LEAR	8	S	0239.0	0239.0	1.0	86.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0523.0	0523.0	U	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0705.0	0706.0	1.0	150.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0705.0	0706.0	2.0	390.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0705.0	0706.0	1.0	160.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0705.0	0705.0	1.0	280.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0817.0	0840.0	93.0	6600.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0817.0	0840.0	106.0	6200.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0823.0	0904.0	105.0	1500.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0824.0	0903.0	86.0	1500.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	1032.0	1044.0	26.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1036.0	1042.0	17.0	74.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1953.0	1957.0	21.0	610.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1953.0	2159.0	127.0	290.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1953.0	1955.0	127.0	77.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1954.0	1957.0	18.0	65.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2021.0	2023.0	12.0	55.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2022.0	2023.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2306.0	2307.0	1.0	100.0			QL=4 ST=2 TYP=3
24	8800	LEAR	8	S	0053.0	0053.0	U	100.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0136.0	0136.0	1.0	110.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	0136.0	0250.0	102.0	3800.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0138.0	0138.0	1.0	82.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0157.0	0157.0	U	69.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0224.0	0252.0	58.0	3800.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0228.0	0251.0	47.0	630.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0230.0	0254.0	47.0	490.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	0507.0	0509.0	3.0	91.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0507.0	0508.0	3.0	310.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0604.0	0605.0	2.0	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0605.0	0605.0	U	180.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0837.0	0837.0	1.0	39.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0953.0	0954.0	3.0	31.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	1034.0	1034.0	1.0	93.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1034.0	1034.0	U	28.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1530.0	1536.0	29.0	260.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1534.0E	1536.0	2.0D	270.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1534.0E	1536.0	2.0D	380.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1535.0	1536.0	24.0	510.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	1658.0	1658.0	U	140.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1658.0	1658.0	U	62.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	1738.0	1842.0	64.0	71.0			QL=4 ST=2 TYP=8
	8800	SGMR	8	S	1842.0	1842.0	U	85.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	2020.0	2023.0	4.0	220.0			QL=4 ST=2 TYP=8
	8800	SGMR	8	S	2023.0	2023.0	U	110.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	2131.0	2139.0	9.0	520.0			QL=4 ST=2 TYP=8
25	8800	LEAR	8	S	0019.0	0019.0	U	63.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0204.0	0205.0	2.0	53.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0205.0	0205.0	U	56.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0333.0	0333.0	U	43.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0422.0	0424.0	11.0	64.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0537.0	0548.0	34.0	220.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0538.0	0548.0	23.0	150.0			QL=2 ST=2 TYP=8
	2695	SVTO	48	C	0541.0	0547.0	7.0	100.0			QL=2 ST=2 TYP=8
	2695	LEAR	4	S/F	0545.0	0547.0	12.0	130.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1028.0	1029.0	10.0	220.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	1028.0	1030.0	17.0	1200.0			QL=4 ST=2 TYP=6
	8800	SGMR	8	S	1216.0	1216.0	1.0	52.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1439.0	1440.0	1.0	66.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1445.0	1446.0	3.0	56.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2037.0	2037.0	U	56.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2231.0	2231.0	U	110.0			QL=4 ST=2 TYP=3
26	8800	PALE	8	S	0031.0	0032.0	1.0	55.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0045.0	0046.0	5.0	120.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0114.0	0116.0	3.0	68.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0116.0	0117.0	1.0	60.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
Selected Fixed Frequency Events

OCTOBER 2003

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean	Int	Remarks
26	2695	LEAR	8	S	0508.0	0508.0	1.0	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0508.0	0508.0	1.0	56.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0608.0	0729.0	149.0	6600.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0609.0	0729.0	137.0	8200.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0610.0	0730.0	184.0	4000.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0610.0	0729.0	180.0	4400.0			QL=4 ST=2 TYP=8
	2695	SVTO	20	GRF	0959.0	1004.0	26.0	94.0			QL=4 ST=2 TYP=2
	8800	SVTO	4	S/F	1003.0	1004.0	6.0	24.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1336.0	1336.0	U	33.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1336.0	1336.0	U	23.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1417.0	1417.0	1.0	82.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1417.0	1417.0	3.0	96.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1618.0	1618.0	1.0	55.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	1715.0	1731.0	113.0	4500.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1715.0	1731.0	125.0	2500.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1717.0	1731.0	104.0	2000.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1717.0	1730.0	104.0	4100.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	2125.0	2125.0	1.0	84.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	2137.0	2138.0	3.0	1000.0			QL=4 ST=2 TYP=6
	2695	PALE	8	S	2138.0	2138.0	U	57.0			QL=4 ST=2 TYP=3
27	8800	LEAR	8	S	0016.0	0017.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0017.0	0017.0	U	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0135.0	0135.0	6.0	170.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0135.0	0136.0	2.0	340.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0608.0	0608.0	U	56.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0613.0	0614.0	11.0	570.0			QL=4 ST=2 TYP=6
	8800	SVTO	4	S/F	0614.0	0614.0	3.0	490.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0756.0	0821.0	54.0	710.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0758.0	0821.0	54.0	720.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0800.0	0821.0	52.0	1100.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0800.0	0821.0	60.0	1000.0			QL=4 ST=2 TYP=8
	8800	LEAR	49	GB	0905.0	0923.0	33.0	2800.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	0922.0	0923.0	6.0	2600.0			QL=4 ST=2 TYP=6
	2695	LEAR	8	S	0923.0	0923.0	1.0	65.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1229.0	1229.0	1.0	59.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1229.0	1229.0	26.0	1200.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1229.0	1229.0	30.0	1300.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1231.0	1231.0	24.0	58.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	2347.0	2348.0	4.0	850.0			QL=4 ST=2 TYP=6
	8800	PALE	49	GB	2348.0	2348.0	3.0	920.0			QL=4 ST=2 TYP=6
	8800	LEAR	8	S	2356.0	2356.0	U	53.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2356.0	2356.0	1.0	68.0			QL=4 ST=2 TYP=3
28	8800	PALE	4	S/F	0004.0	0006.0	4.0	69.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0058.0	0058.0	1.0	190.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0058.0	0058.0	1.0	240.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0058.0	0058.0	1.0	60.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0132.0	0132.0	4.0	140.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	0132.0	0132.0	5.0	150.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0203.0	0203.0	2.0	73.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0456.0	0510.0	17.0	100.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0510.0	0510.0	U	62.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0816.0	0817.0	15.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	0816.0	0817.0	25.0	200.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0846.0	0849.0	20.0	120.0			QL=4 ST=2 TYP=8
	8800	SVTO	4	S/F	0846.0	0849.0	25.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	0953.0	0954.0	3.0	650.0			QL=4 ST=2 TYP=6
	2695	SVTO	8	S	0954.0	0954.0	U	84.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	1003.0	1107.0	293.0	70000.0			QL=2 ST=2 TYP=6
	2695	SVTO	48	C	1014.0	1114.0	285.0	13000.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1131.0	1159.0	221.0	1500.0			QL=2 ST=2 TYP=8
	8800	SGMR	48	C	1138.0	1203.0	214.0	910.0			QL=2 ST=2 TYP=8
	2695	SVTO	8	S	1530.0E	1531.0	1.0D	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1530.0	1530.0	84.0	290.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1530.0	1609.0	84.0	440.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	1950.0	1950.0	1.0	79.0			QL=4 ST=3 TYP=3
	8800	PALE	8	S	2302.0	2302.0	2.0	63.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Selected Fixed Frequency Events

OCTOBER 2003

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean	Int	Remarks
29	8800	PALE	48	C	0026.0	0029.0	51.0	250.0			QL=4 ST=2 TYP=8
	8800	LEAR	4	S/F	0027.0	0029.0	50.0	170.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0041.0	0042.0	6.0	63.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	0041.0	0042.0	9.0	82.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0146.0	0147.0	2.0	78.0			QL=4 ST=2 TYP=3
	2695	LEAR	48	C	0440.0	0456.0	39.0	610.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0453.0	0500.0	60.0	330.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0820.0	0820.0	U	72.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0820.0	0821.0	8.0	75.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0929.0	0931.0	3.0	93.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0931.0	0931.0	U	64.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1421.0	1421.0	U	50.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1421.0	1421.0	U	69.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1426.0	1427.0	2.0	51.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1456.0	1456.0	U	63.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1505.0	1505.0	U	64.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1525.0	1525.0	U	56.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1731.0	1733.0	9.0	100.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1733.0	1733.0	U	51.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1811.0	1811.0	U	62.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1811.0	1811.0	3.0	150.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1821.0	1821.0	U	53.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2000.0	2000.0	U	51.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	2039.0	2041.0	16.0	2500.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	2039.0	2043.0	13.0	11000.0			QL=4 ST=2 TYP=6
30	8800	LEAR	8	S	0156.0	0157.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0156.0	0157.0	2.0	160.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0214.0	0215.0	3.0	110.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0214.0	0215.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0214.0	0214.0	U	61.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1221.0	1222.0	7.0	70.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1222.0	1222.0	1.0	77.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1222.0	1222.0	U	22.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1504.0	1504.0	U	22.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1517.0	1517.0	6.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	1517.0	1517.0	4.0	100.0			QL=2 ST=2 TYP=8
	2695	SVTO	8	S	1518.0	1518.0	U	29.0			QL=2 ST=2 TYP=3
	8800	SGMR	8	S	1906.0	1906.0	1.0	140.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1906.0	1906.0	2.0	100.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1907.0	1907.0	U	150.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1907.0	1907.0	1.0	110.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	2035.0	2045.0	179.0	15000.0			QL=4 ST=2 TYP=6
	2695	PALE	48	C	2036.0	2051.0	194.0	5300.0			QL=4 ST=2 TYP=8
31	8800	LEAR	8	S	0429.0	0429.0	U	190.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0429.0	0429.0	U	67.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1121.0	1121.0	2.0	210.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1121.0	1122.0	4.0	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1701.0	1702.0	1.0	61.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1704.0	1704.0	U	67.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1736.0	1736.0	U	98.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1736.0	1736.0	U	37.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1736.0	1736.0	U	85.0			QL=4 ST=2 TYP=3